

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062017\
 Data File : BF096057.D
 Acq On : 20 Jun 2017 21:52
 Operator : SJ/MA
 Sample : I3759-01MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061617MSD

Manual Integrations
 APPROVED

Quant Time: Jun 21 01:59:21 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 16:05:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.29	152	67231	20.00	ng	0.00
21) Naphthalene-d8	9.33	136	260569	20.00	ng	0.00
38) Acenaphthene-d10	12.15	164	101036	20.00	ng	0.00
63) Phenanthrene-d10	14.54	188	159636	20.00	ng	0.00
75) Chrysene-d12	18.29	240	103804	20.00	ng	0.01
86) Perylene-d12	19.96	264	84789	20.00	ng	0.02

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System Monitoring Compounds

5) 2-Fluorophenol	5.20	112	624462	148.00	ng	0.02
7) Phenol-d6	6.89	99	697871	138.16	ng	0.01
23) Nitrobenzene-d5	8.22	82	408953	97.47	ng	0.00
41) 2,4,6-Tribromophenol	13.45	330	112502	125.85	ng	0.00
44) 2-Fluorobiphenyl	11.11	172	736394	101.42	ng	0.00
78) Terphenyl-d14	16.93	244	505681	120.90	ng	0.00

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Target Compounds

						Qvalue
2) 1,4-Dioxane	1.66	88	76750	38.24	ng	92
3) Pyridine	2.20	79	202407	42.91	ng	99
4) n-Nitrosodimethylamine	2.17	42	86958	48.49	ng	80
6) Aniline	6.80	93	164561	24.90	ng	96
8) 2-Chlorophenol	6.99	128	218000	48.59	ng	96
9) Benzaldehyde	6.60	77	57794	16.96	ng	96
10) Phenol	6.90	94	270347	51.60	ng	90
11) bis(2-Chloroethyl)ether	6.95	93	200063	48.20	ng	98
12) 1,3-Dichlorobenzene	7.19	146	232096	45.71	ng	98
13) 1,4-Dichlorobenzene	7.32	146	235648	45.76	ng	97
14) 1,2-Dichlorobenzene	7.56	146	222864	46.95	ng	95
15) Benzyl Alcohol	7.61	79	167036	48.18	ng	94
16) 2,2'-oxybis(1-Chloropropan	7.80	45	276732	47.45	ng	97
17) 2-Methylphenol	7.85	107	177976	47.27	ng	93
18) Hexachloroethane	8.07	117	57979	34.09	ng	# 87
19) n-Nitroso-di-n-propylamine	8.04	70	150823	47.12	ng	95
20) 3+4-Methylphenols	8.13	107	237711	49.74	ng	# 60
22) Acetophenone	7.99	105	302529	49.60	ng	# 83
24) Nitrobenzene	8.25	77	207240	46.24	ng	93
25) Isophorone	8.65	82	364740	46.56	ng	97
26) 2-Nitrophenol	8.76	139	103503	44.10	ng	96
27) 2,4-Dimethylphenol	8.92	122	185162	50.84	ng	99
28) bis(2-Chloroethoxy)methane	9.03	93	248267	48.08	ng	100
29) 2,4-Dichlorophenol	9.22	162	169486	48.32	ng	93
30) 1,2,4-Trichlorobenzene	9.26	180	167816	45.98	ng	98
31) Naphthalene	9.36	128	623586	47.69	ng	99
32) Benzoic acid	9.29	122	73948	34.14	ng	97
33) 4-Chloroaniline	9.53	127	91829	17.97	ng	98
34) Hexachlorobutadiene	9.58	225	86091	45.65	ng	98
35) Caprolactam	10.16	113	49752m	47.67	ng	
36) 4-Chloro-3-methylphenol	10.42	107	166606	45.37	ng	94
37) 2-Methylnaphthalene	10.49	142	404565	45.79	ng	97
39) 1,2,4,5-Tetrachlorobenzene	10.77	216	148942	49.26	ng	98
40) Hexachlorocyclopentadiene	10.73	237	1090	12.23	ng	90

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 Misc :
 ALS Vial : 16 Sample Multiplier: 1

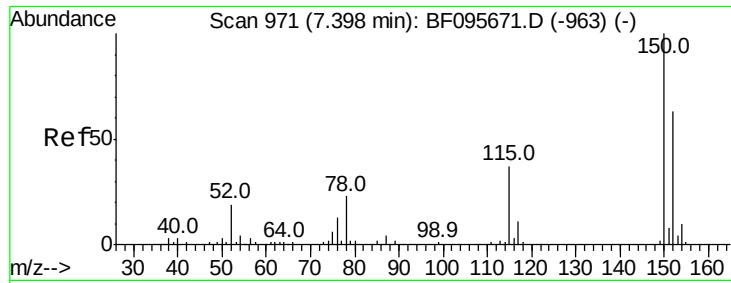
Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061617MSD

Manual Integrations
 APPROVED

Quant Time: Jun 21 01:59:21 2017
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	11.01	196	100749	51.82	nq	98
43) 2,4,5-Trichlorophenol	11.11	196	95313	46.09	nq	94
45) 1,1'-Biphenyl	11.26	154	422469	50.73	nq	97
46) 2-Chloronaphthalene	11.27	162	313404	48.17	nq	96
47) 2-Nitroaniline	11.50	65	97043	50.97	nq	# 80
48) Acenaphthylene	11.93	152	786495	70.69	nq	99
49) Dimethylphthalate	11.82	163	486544	63.42	nq	98
50) 2,6-Dinitrotoluene	11.92	165	66153	39.54	nq	# 62
51) Acenaphthene	12.20	154	323364	50.32	nq	100
52) 3-Nitroaniline	12.18	138	73045	37.47	nq	89
54) Dibenzofuran	12.49	168	460730	50.95	nq	97
55) 4-Nitrophenol	12.62	139	95127	83.37	nq	# 73
56) 2,4-Dinitrotoluene	12.59	165	86803	38.41	nq	# 93
57) Fluorene	13.04	166	393690	50.02	nq	100
58) 2,3,4,6-Tetrachlorophenol	12.75	232	67701	47.85	nq	92
59) Diethylphthalate	12.96	149	360464	48.83	nq	99
60) 4-Chlorophenyl-phenylether	13.07	204	151396	44.24	nq	90
61) 4-Nitroaniline	13.19	138	83793	46.03	nq	93
62) Azobenzene	13.33	77	299717	44.79	nq	94
64) 4,6-Dinitro-2-methylphenol	13.29	198	8757	8.35	nq	# 1
65) n-Nitrosodiphenylamine	13.29	169	283898	49.49	nq	96
66) 4-Bromophenyl-phenylether	13.85	248	80976	48.81	nq	99
67) Hexachlorobenzene	13.94	284	75950	46.46	nq	# 84
68) Atrazine	14.22	200	78072	48.90	nq	95
69) Pentachlorophenol	14.32	266	48241	78.00	nq	99
70) Phenanthrene	14.59	178	896432	97.32	nq	98
71) Anthracene	14.67	178	689512	71.70	nq	98
72) Carbazole	14.97	167	418620	44.67	nq	97
73) Di-n-butylphthalate	15.57	149	515769	51.73	nq	98
74) Fluoranthene	16.39	202	1238914	135.90	nq	99
76) Benzidine	16.62	184	73032	18.32	nq	# 92
77) Pyrene	16.70	202	1446061	186.70	nq	99
79) Butylbenzylphthalate	17.60	149	205971	60.89	nq	# 86
80) Benzo(a)anthracene	18.28	228	739366	122.51	nq	95
81) 3,3'-Dichlorobenzidine	18.26	252	85905	40.04	nq	96
82) Chrysene	18.33	228	700342	116.12	nq	97
83) Bis(2-ethylhexyl)phthalate	18.36	149	286554	60.05	nq	# 98
84) Di-n-octyl phthalate	19.13	149	445605	56.67	nq	97
85) Indeno(1,2,3-cd)pyrene	21.12	276	370860	71.87	nq	97
87) Benzo(b)fluoranthene	19.56	252	594301	111.94	nq	# 97
88) Benzo(k)fluoranthene	19.58	252	334186m	65.85	nq	
89) Benzo(a)pyrene	19.90	252	507024	103.90	nq	96
90) Dibenzo(a,h)anthracene	21.11	278	221415	53.49	nq	96
91) Benzo(g,h,i)perylene	21.44	276	345332	81.83	nq	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

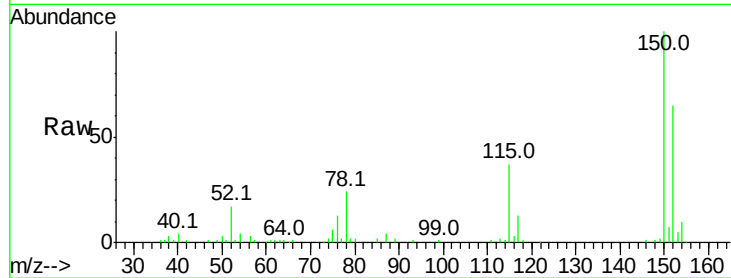


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.29 min Scan# 987
 Delta R.T. 0.00 min
 Lab File: BF096057.D
 Acq: 20 Jun 2017 21:52

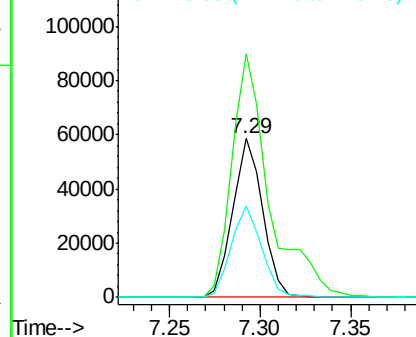
Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061617MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	126.2	189.2
115	57.4	52.2	78.2

Manual Integrations
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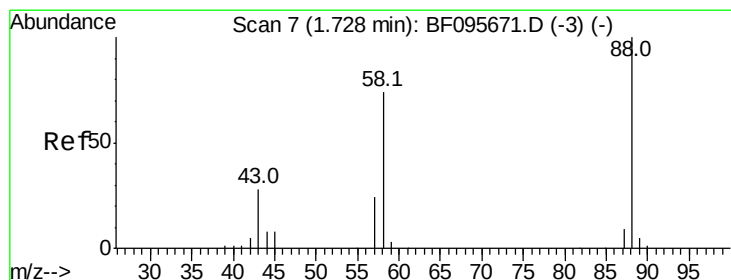
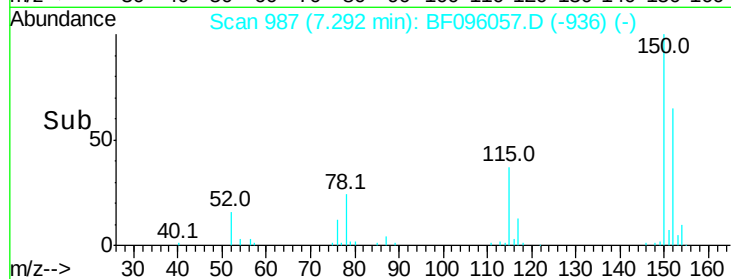


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



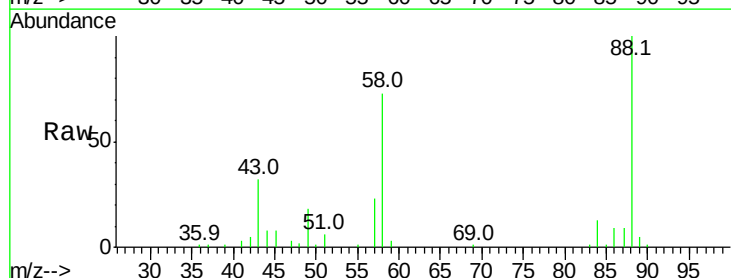
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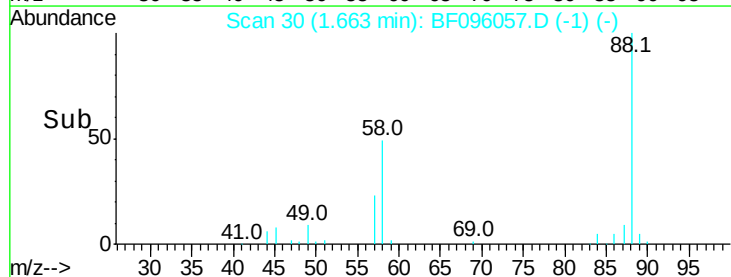
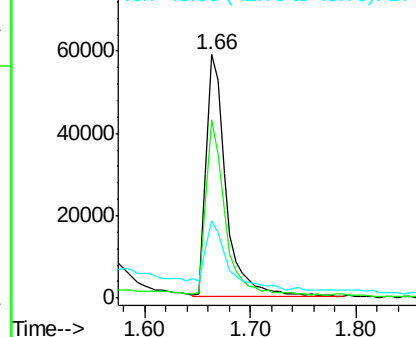


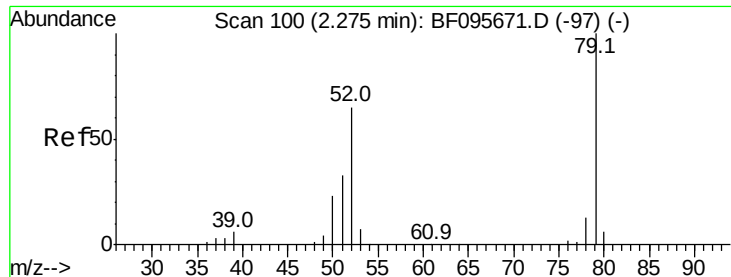
#2
 1,4-Dioxane
 Concen: 38.24 ng
 RT: 1.66 min Scan# 30
 Delta R.T. 0.05 min
 Lab File: BF096057.D
 Acq: 20 Jun 2017 21:52

Tgt Ion	Ratio	Lower	Upper
88	100		
58	69.3	61.4	92.0
43	32.0	23.4	35.0



Abundance Ion 88.00 (87.70 to 88.70): BF0
 Ion 58.00 (57.70 to 58.70): BF0
 Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 42.91 ng

RT: 2.20 min Scan# 121

Delta R.T. 0.06 min

Lab File: BF096057.D

Acq: 20 Jun 2017 21:52

Instrument :

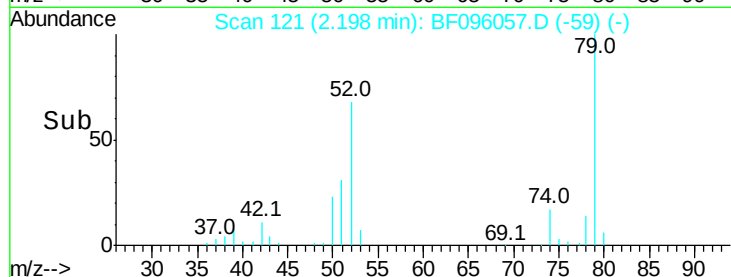
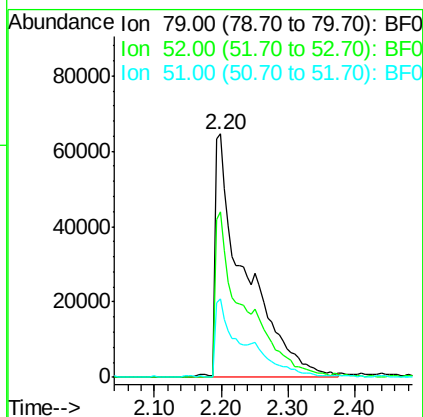
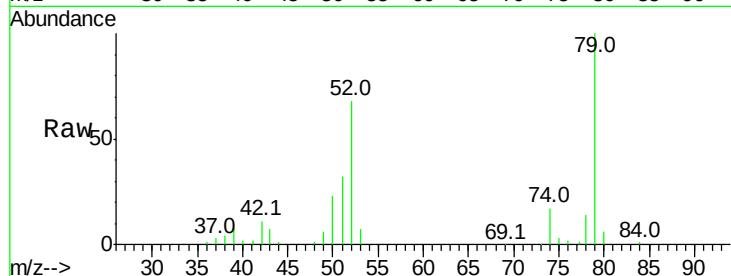
BNA_F

ClientSampleId :

SU-02-061617MSD

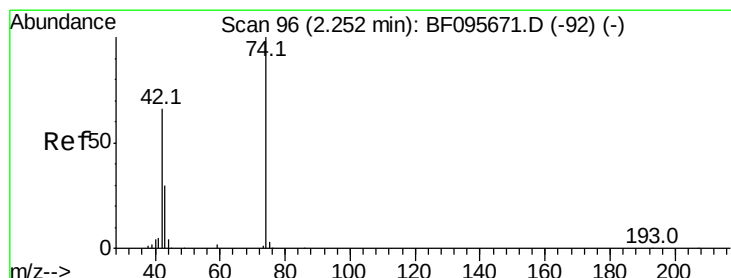
Tot Ion:	79	Resp:	202407
Ion Ratio	Lower	Upper	
79	100		
52	67.8	54.8	82.2
51	32.3	27.0	40.4

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#4

n-Nitrosodimethylamine

Concen: 48.49 ng

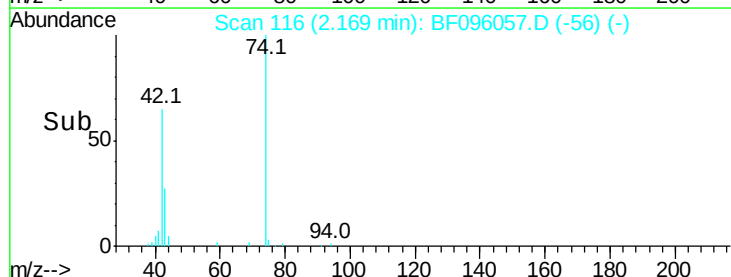
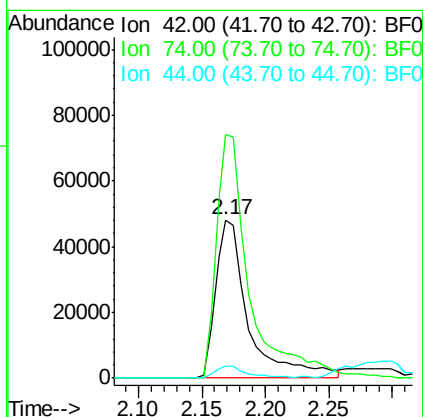
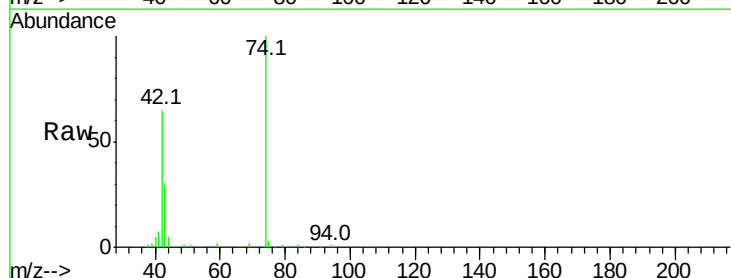
RT: 2.17 min Scan# 116

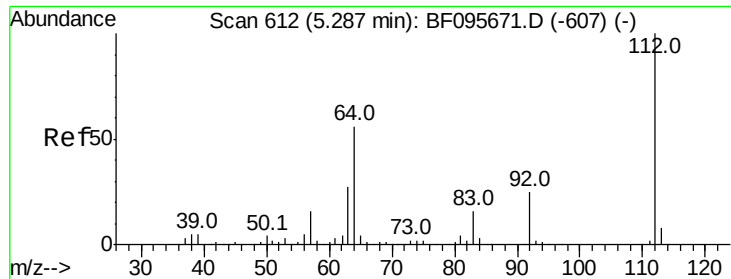
Delta R.T. 0.05 min

Lab File: BF096057.D

Acq: 20 Jun 2017 21:52

Tgt Ion:	42	Resp:	86958
Ion Ratio	Lower	Upper	
42	100		
74	153.9	103.9	155.9
44	7.2	5.7	8.5





#5

2-Fluorophenol

Concen: 148.00 ng

RT: 5.20 min Scan# 631

Delta R.T. 0.02 min

Lab File: BF096057.D

Acq: 20 Jun 2017 21:52

Instrument :

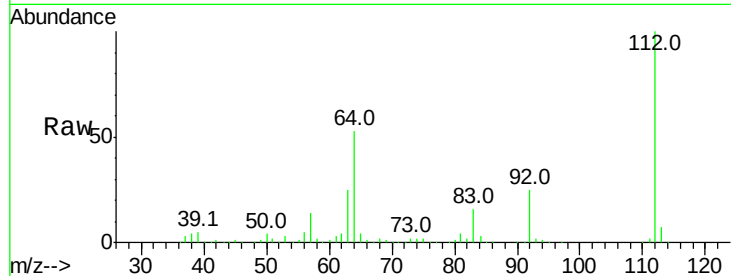
BNA_F

ClientSampleId :

SU-02-061617MSD

Tot Ion:	112	Resp:	624462
Ion Ratio	Lower	Upper	
112	100		
64	52.9	46.0	69.0
63	25.0	23.4	35.0

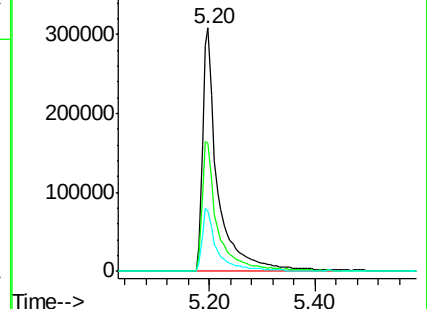
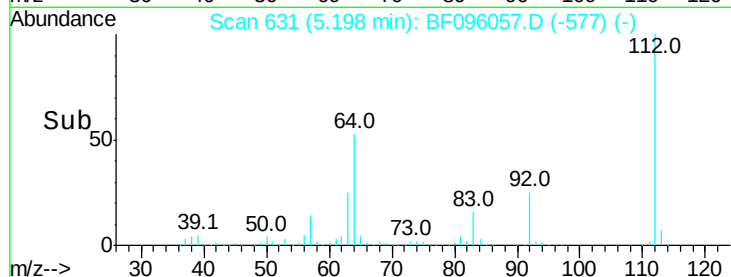
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Abundance Ion 112.00 (111.70 to 112.70): E

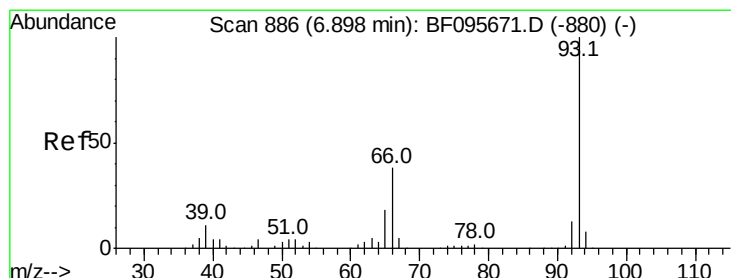
Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



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#6

Aniline

Concen: 24.90 ng

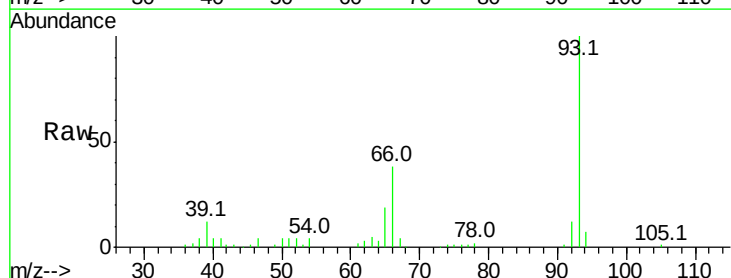
RT: 6.80 min Scan# 903

Delta R.T. 0.01 min

Lab File: BF096057.D

Acq: 20 Jun 2017 21:52

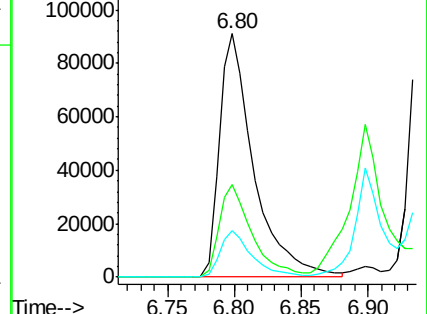
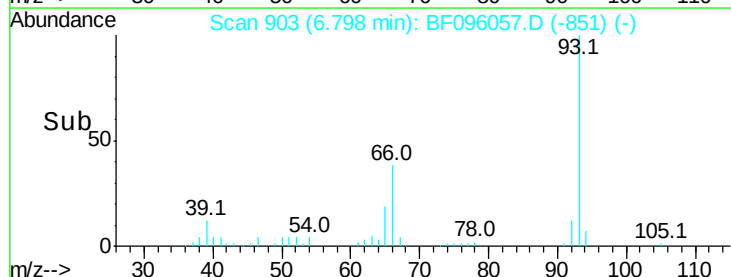
Tgt Ion:	93	Resp:	164561
Ion Ratio	Lower	Upper	
93	100		
66	38.3	32.9	49.3
65	19.1	16.0	24.0

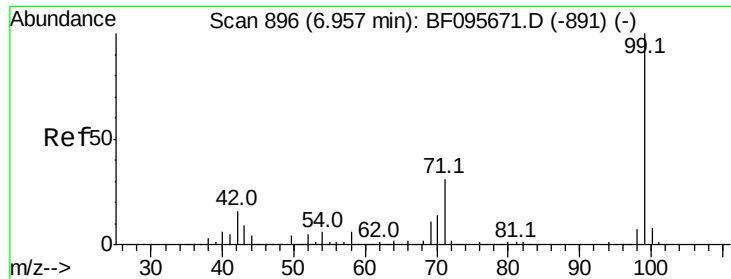


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 138.16 ng

RT: 6.89 min Scan# 918

Delta R.T. 0.01 min

Lab File: BF096057.D

Acq: 20 Jun 2017 21:52

Instrument :

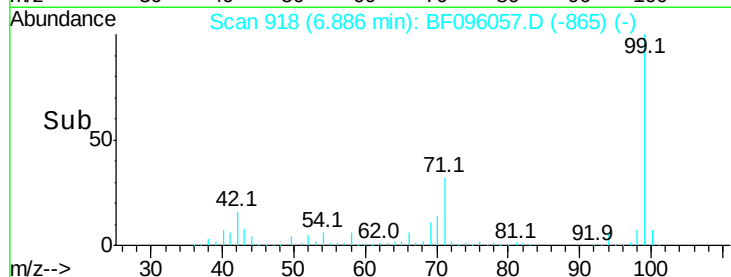
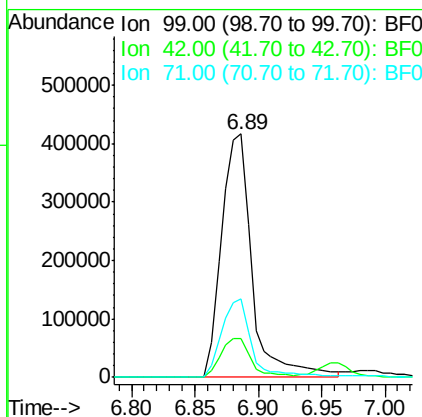
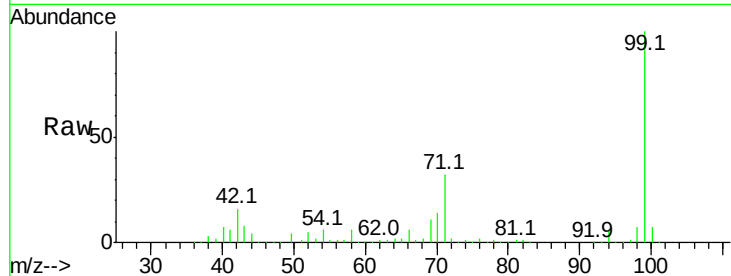
BNA_F

ClientSampleId :

SU-02-061617MSD

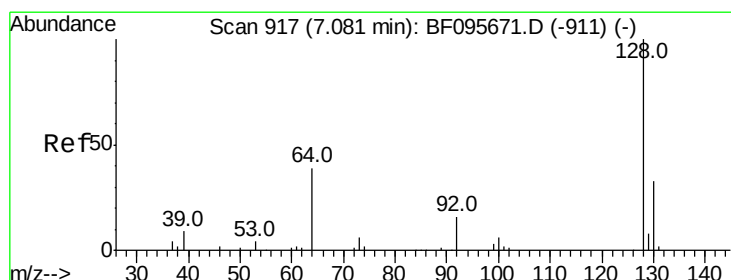
Tot Ion:	99	Resp:	697871
Ion Ratio	Lower	Upper	
99	100		
42	16.0	13.5	20.3
71	32.1	24.5	36.7

Manual Integrations
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#8

2-Chlorophenol

Concen: 48.59 ng

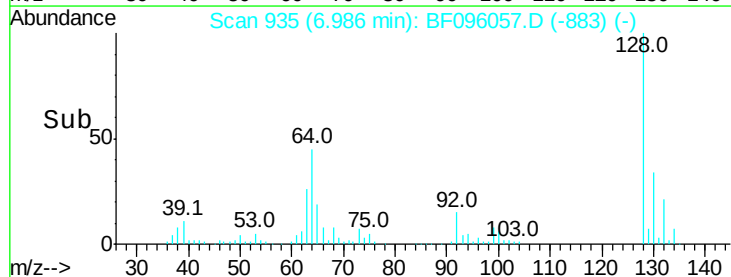
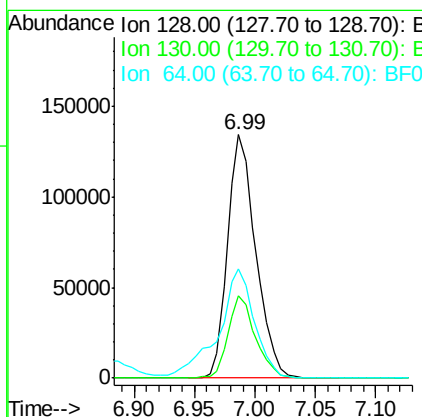
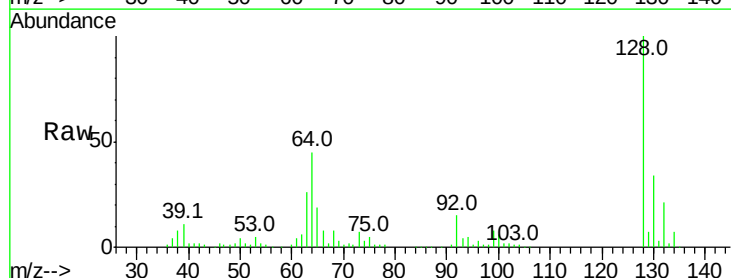
RT: 6.99 min Scan# 935

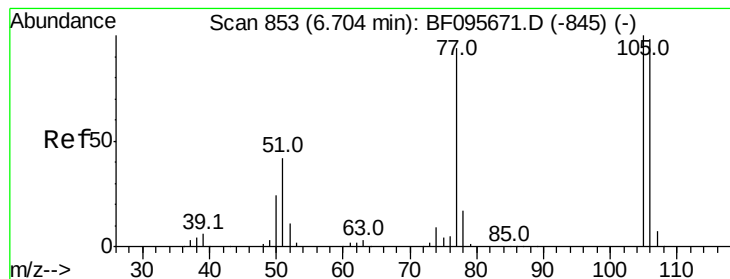
Delta R.T. 0.01 min

Lab File: BF096057.D

Acq: 20 Jun 2017 21:52

Tgt Ion:	128	Resp:	218000
Ion Ratio	Lower	Upper	
128	100		
130	33.6	12.9	52.9
64	44.8	28.4	68.4





#9

Benzaldehyde

Concen: 16.96 ng

RT: 6.60 min Scan# 870

Delta R.T. 0.01 min

Lab File: BF096057.D

Acq: 20 Jun 2017 21:52

Instrument :

BNA_F

ClientSampleId :

SU-02-061617MSD

Tot Ion: 77 Resp: 57794

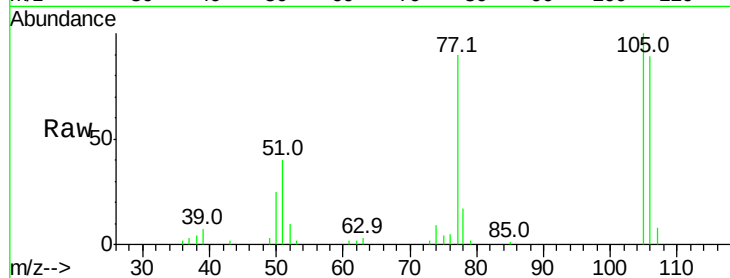
Ion Ratio Lower Upper

77 100

105 110.9 83.8 123.8

106 99.1 79.1 119.1

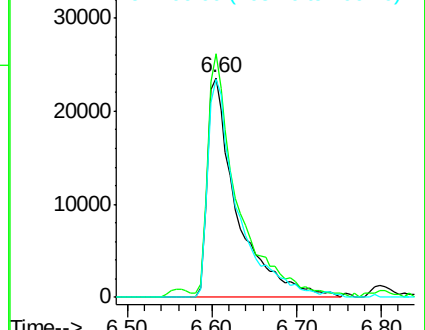
Manual Integrations
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Abundance Ion 77.00 (76.70 to 77.70): BF0

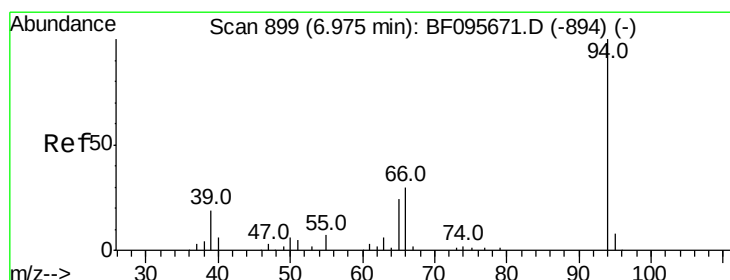
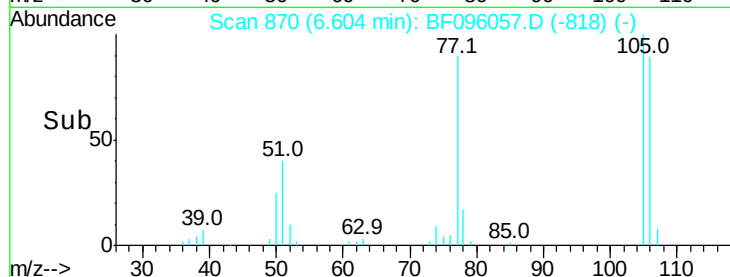
Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



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#10

Phenol

Concen: 51.60 ng

RT: 6.90 min Scan# 920

Delta R.T. 0.01 min

Lab File: BF096057.D

Acq: 20 Jun 2017 21:52

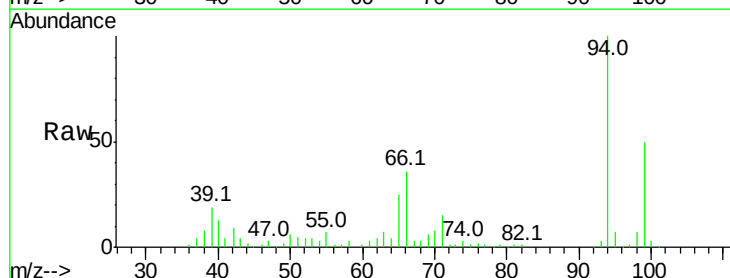
Tgt Ion: 94 Resp: 270347

Ion Ratio Lower Upper

94 100

65 25.4 9.9 49.9

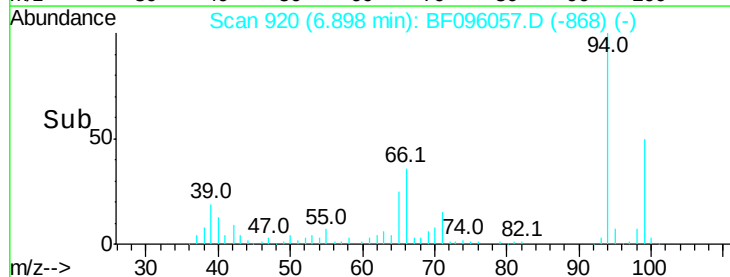
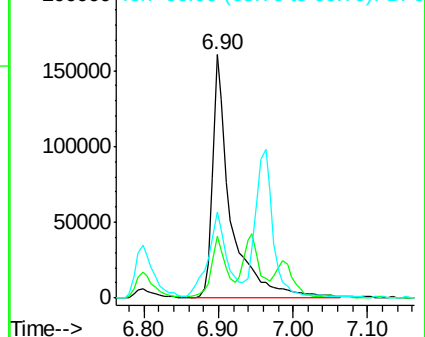
66 35.6 23.1 63.1

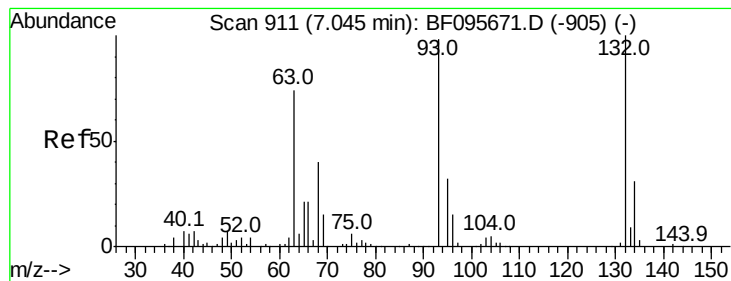


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



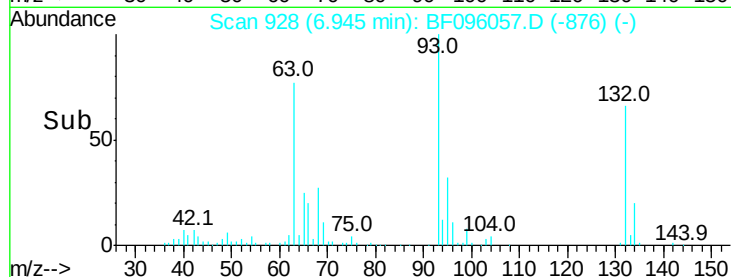
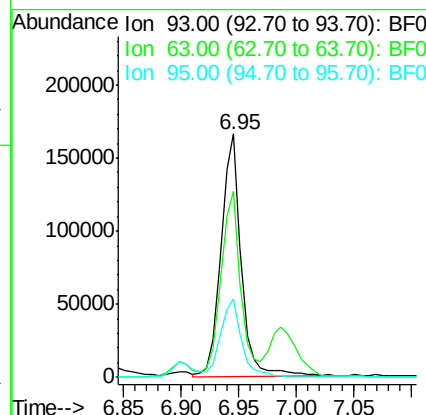
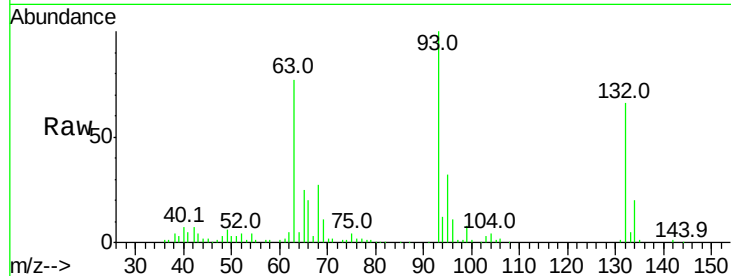


#11
bis(2-Chloroethyl)ether
Concen: 48.20 ng
RT: 6.95 min Scan# 928
Delta R.T. 0.01 min
Lab File: BF096057.D
Acq: 20 Jun 2017 21:52

Instrument :
BNA_F
ClientSampleId :
SU-02-061617MSD

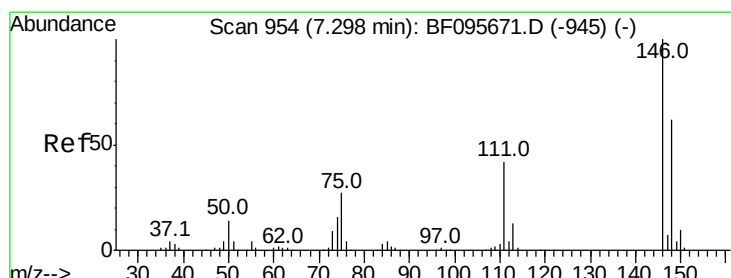
Tot Ion	93	Resp	200063
Ion Ratio	Lower	Upper	
93	100		
63	76.5	59.2	99.2
95	32.3	12.8	52.8

Manual Integrations
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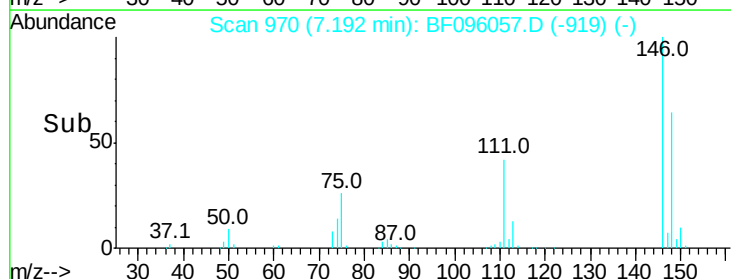
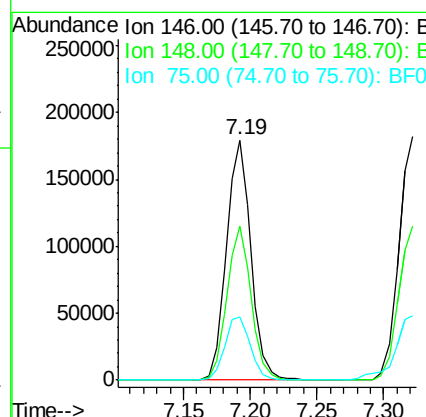
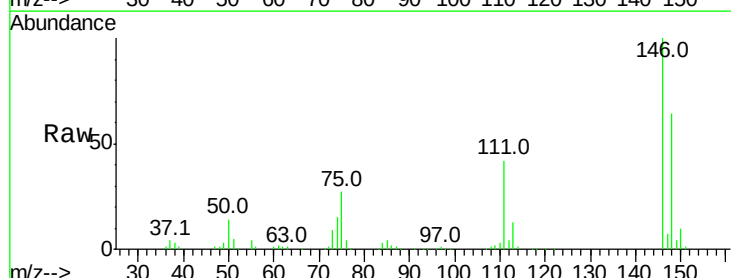
mohammad

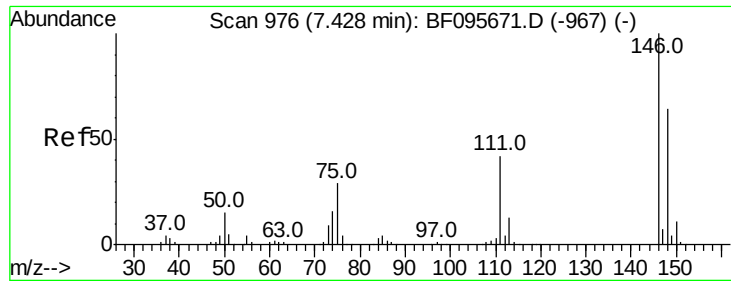
6/21/2017 2:16:54 PM



#12
1,3-Dichlorobenzene
Concen: 45.71 ng
RT: 7.19 min Scan# 970
Delta R.T. 0.00 min
Lab File: BF096057.D
Acq: 20 Jun 2017 21:52

Tgt Ion	146	Resp	232096
Ion Ratio	Lower	Upper	
146	100		
148	64.3	51.8	77.6
75	26.5	23.1	34.7



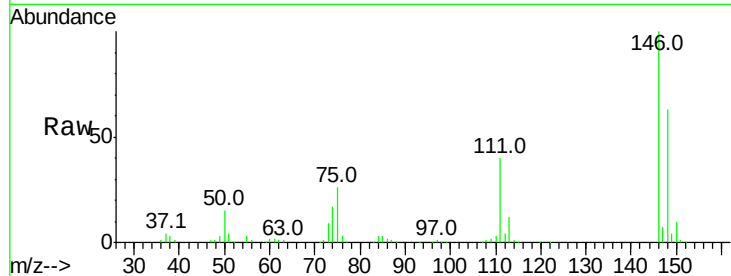


#13
 1,4-Dichlorobenzene
 Concen: 45.76 ng
 RT: 7.32 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: BF096057.D
 Acq: 20 Jun 2017 21:52

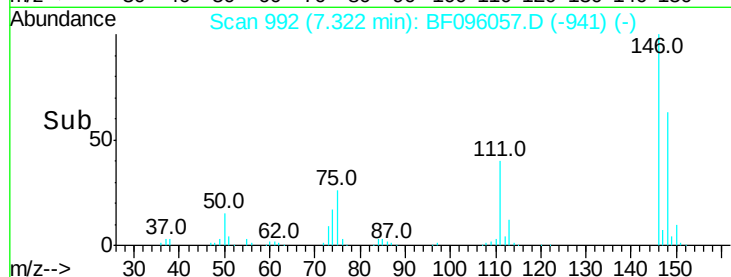
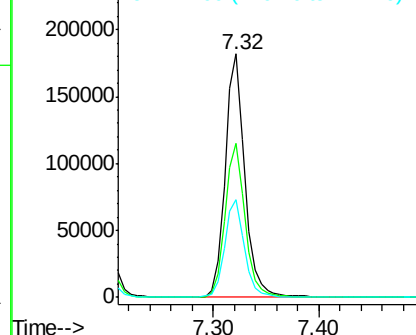
Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061617MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.4	52.2	78.2
111	40.0	30.3	45.5

Manual Integrations
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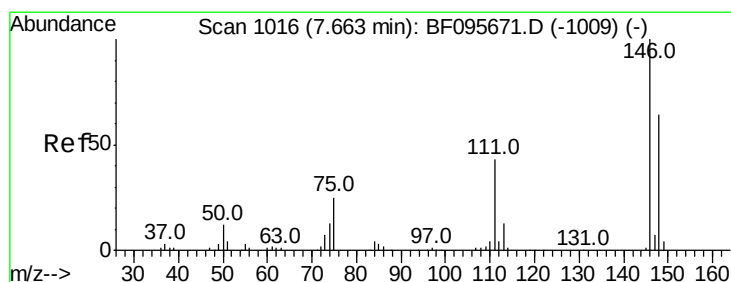


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E



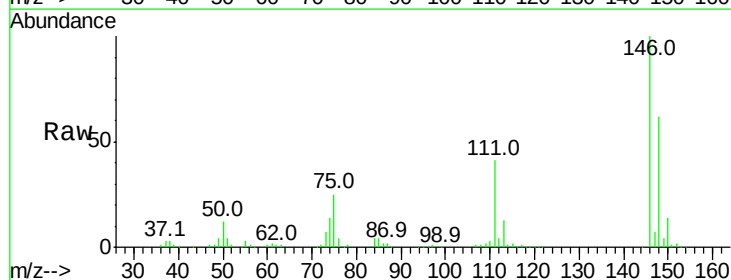
mohammad

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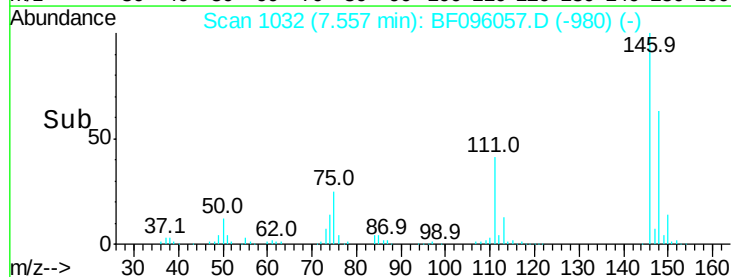
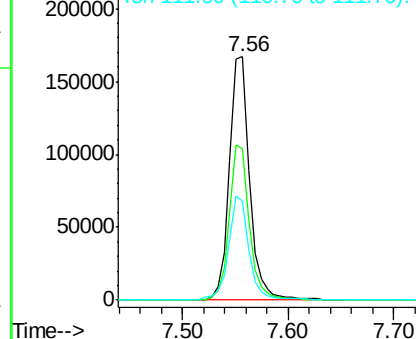


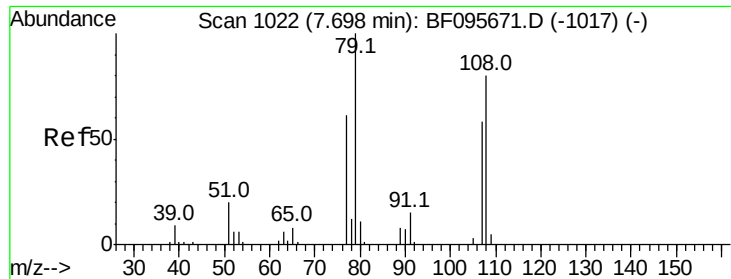
#14
 1,2-Dichlorobenzene
 Concen: 46.95 ng
 RT: 7.56 min Scan# 1032
 Delta R.T. 0.01 min
 Lab File: BF096057.D
 Acq: 20 Jun 2017 21:52

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.4	50.4	75.6
111	40.7	38.2	57.4



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 48.18 ng

RT: 7.61 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BF096057.D

Acq: 20 Jun 2017 21:52

Instrument :

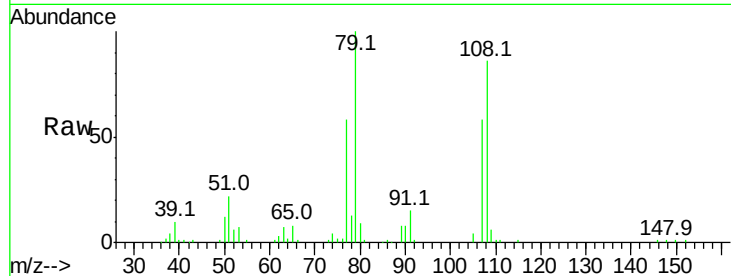
BNA_F

ClientSampleId :

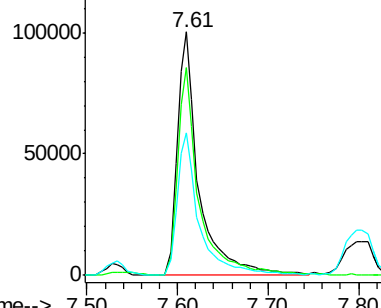
SU-02-061617MSD

Tot Ion:	79	Resp:	167036
Ion Ratio	Lower	Upper	
79	100		
108	85.5	63.4	95.0
77	58.5	49.2	73.8

Manual Integrations
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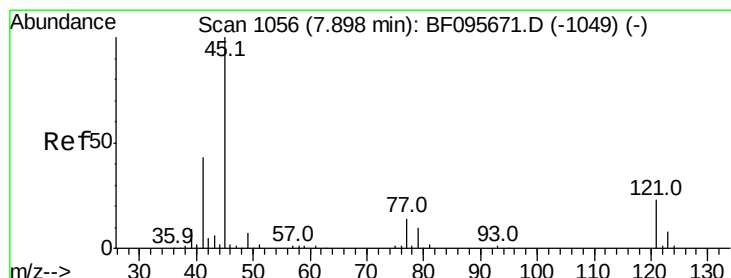
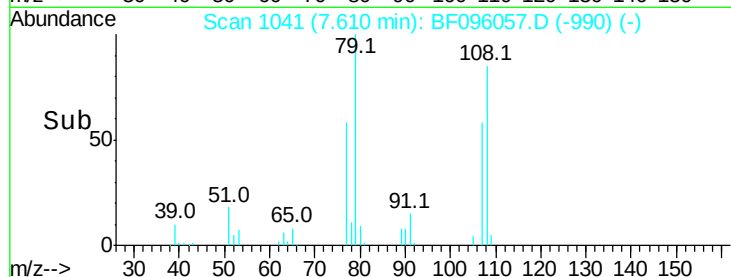


Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): BF0
Ion 77.00 (76.70 to 77.70): BF0



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#16

2,2'-oxybis(1-chloropropane)

Concen: 47.45 ng

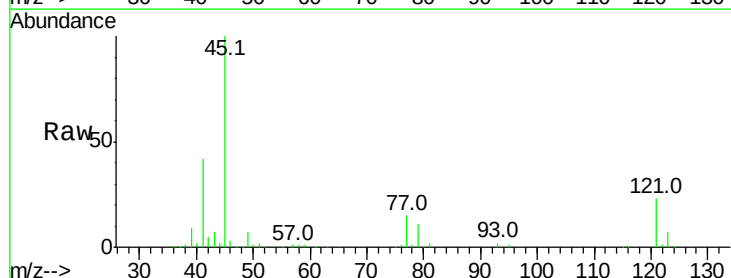
RT: 7.80 min Scan# 1074

Delta R.T. 0.01 min

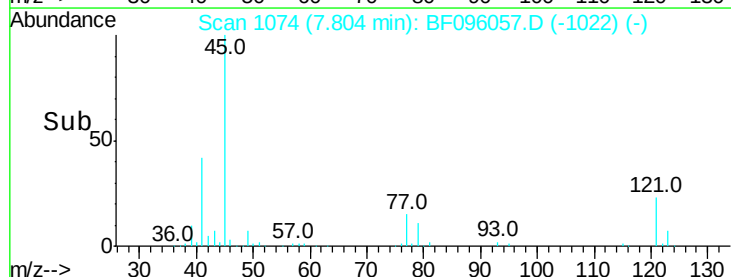
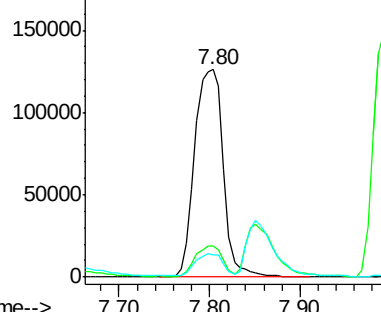
Lab File: BF096057.D

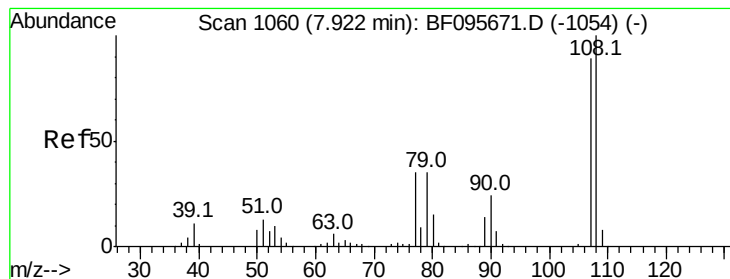
Acq: 20 Jun 2017 21:52

Tgt Ion:	45	Resp:	276732
Ion Ratio	Lower	Upper	
45	100		
77	14.8	0.0	33.2
79	10.9	0.0	30.0



Abundance Ion 45.00 (44.70 to 45.70): BF0
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0



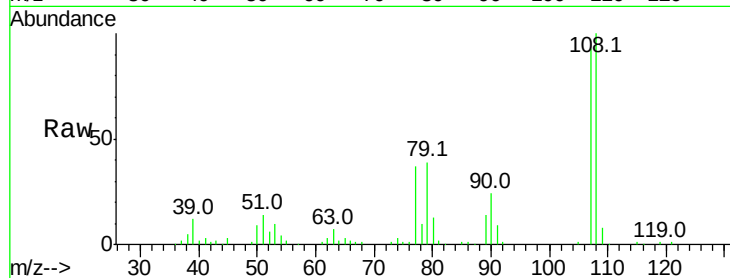


#17
2-Methylphenol
Concen: 47.27 ng
RT: 7.85 min Scan# 1082
Delta R.T. 0.01 min
Lab File: BF096057.D
Acq: 20 Jun 2017 21:52

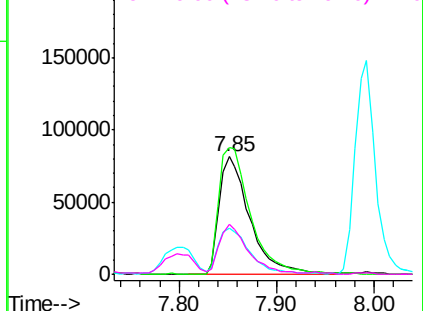
Instrument :
BNA_F
ClientSampleId :
SU-02-061617MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	108.1	93.4	140.0	
77	39.6	35.8	53.6	
79	42.3	34.8	52.2	

Manual Integrations
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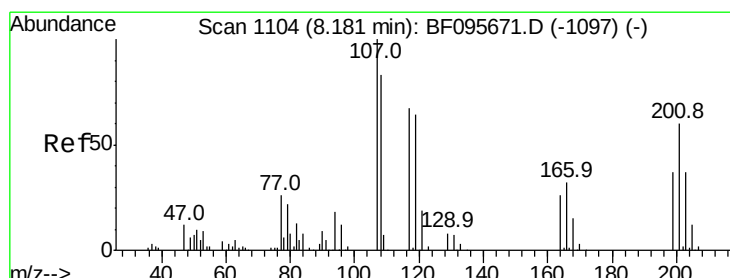
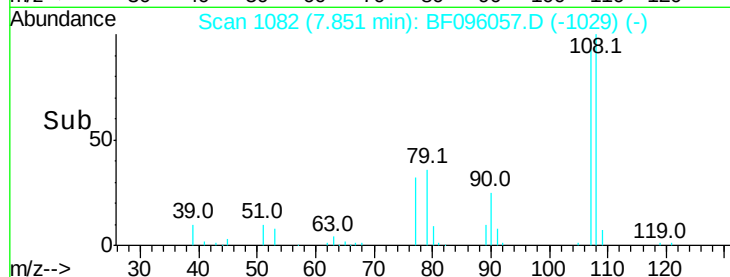


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0



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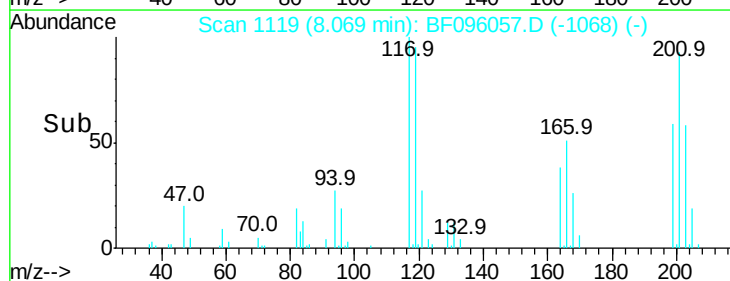
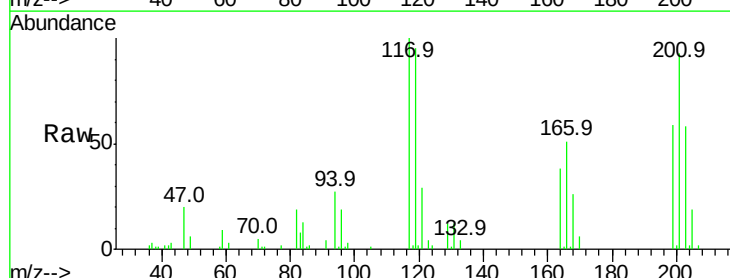
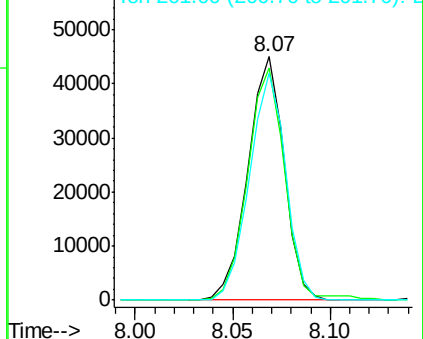
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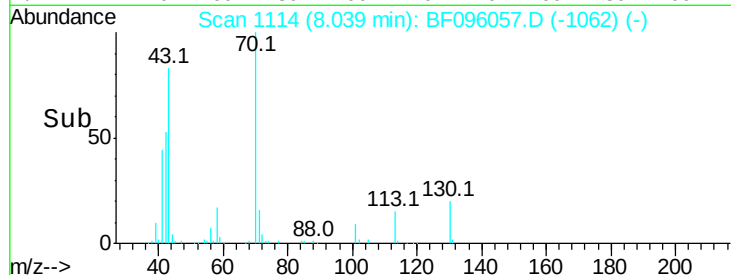
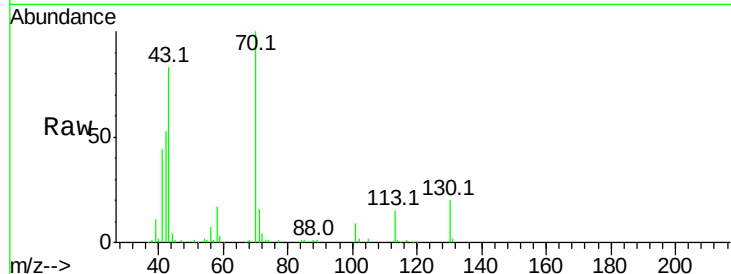
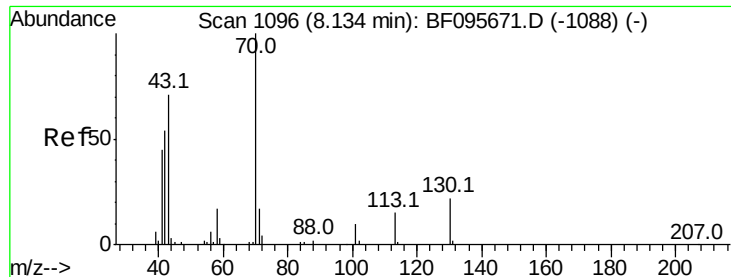


#18
Hexachloroethane
Concen: 34.09 ng
RT: 8.07 min Scan# 1119
Delta R.T. 0.00 min
Lab File: BF096057.D
Acq: 20 Jun 2017 21:52

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.4	77.4	116.0	
201	93.3	94.6	141.8#	

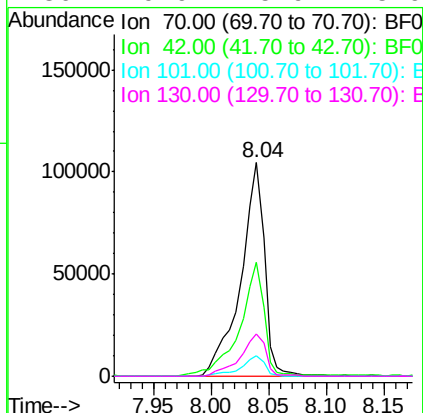
Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#19
n-Nitroso-di-n-propylamine
Concen: 47.12 ng
RT: 8.04 min Scan# 1114
Delta R.T. 0.01 min
Lab File: BF096057.D
Acq: 20 Jun 2017 21:52

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	53.2	47.2	70.8	
101	9.4	7.2	10.8	
130	19.9	15.9	23.9	

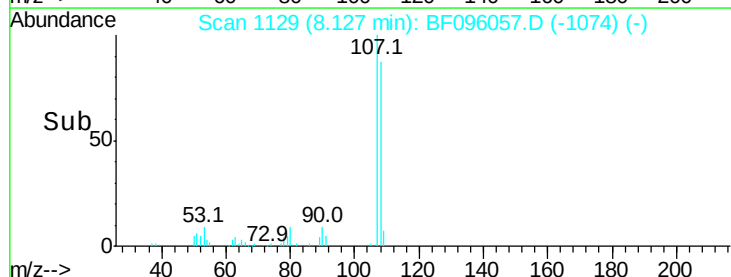
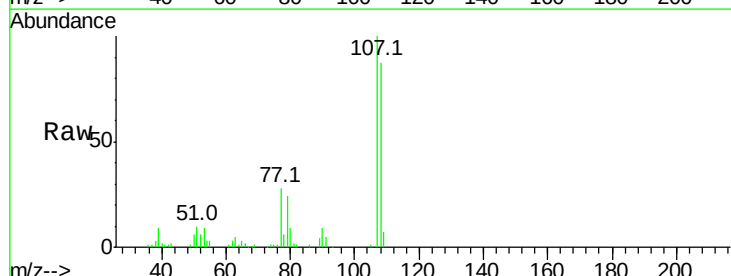
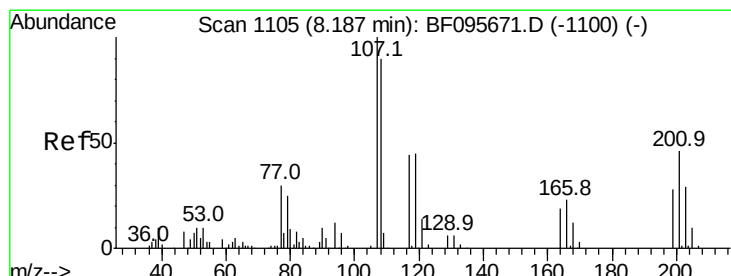


Instrument :
BNA_F
ClientSampleId :
SU-02-061617MSD

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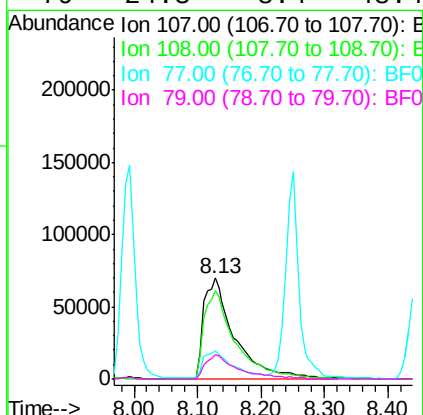
mohammad

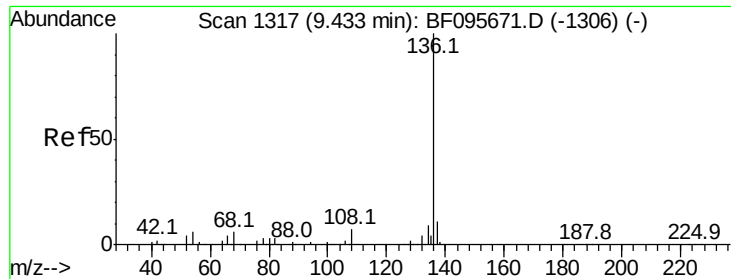
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#20
3+4-Methylphenols
Concen: 49.74 ng
RT: 8.13 min Scan# 1129
Delta R.T. 0.02 min
Lab File: BF096057.D
Acq: 20 Jun 2017 21:52

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	87.3	71.0	111.0	
77	27.9	90.5	130.5#	
79	24.3	8.4	48.4	



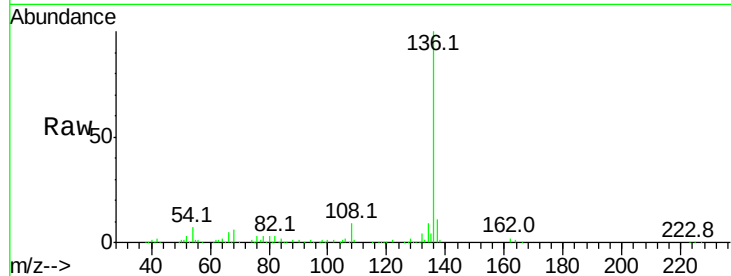


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.33 min Scan# 1333
Delta R.T. 0.00 min
Lab File: BF096057.D
Acq: 20 Jun 2017 21:52

Instrument :
BNA_F
ClientSampleId :
SU-02-061617MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.6	8.5	12.7	
54	7.0	4.9	7.3	
68	5.7	4.1	6.1	

Manual Integrations
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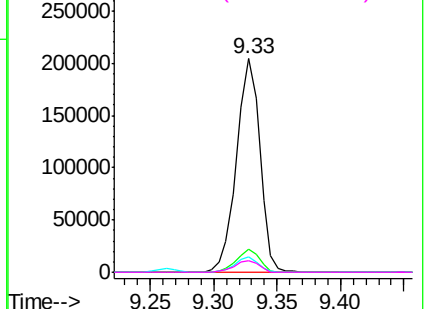
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

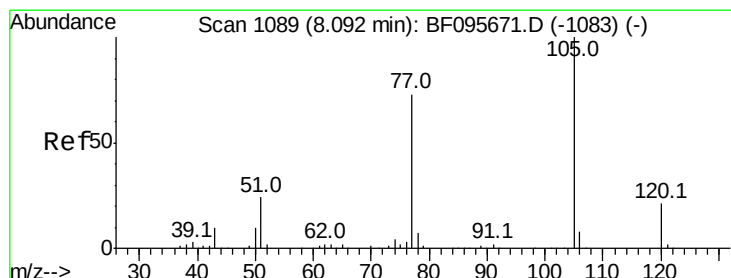
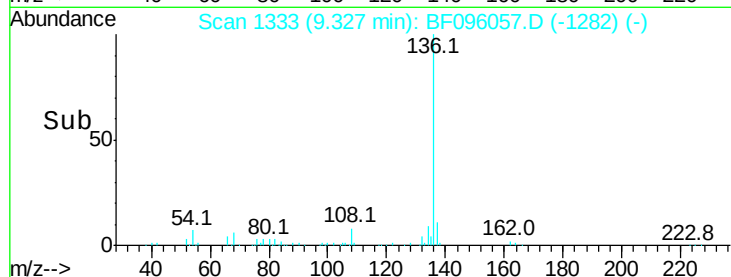
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



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#22
Acetophenone
Concen: 49.60 ng
RT: 7.99 min Scan# 1106
Delta R.T. 0.00 min
Lab File: BF096057.D
Acq: 20 Jun 2017 21:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	0.1	2.8	4.2#	
51	22.8	30.7	46.1#	
120	20.7	17.4	26.0	

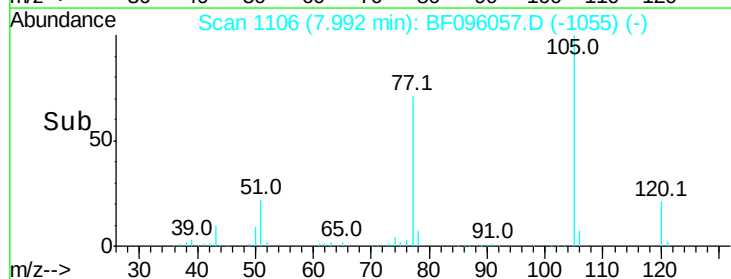
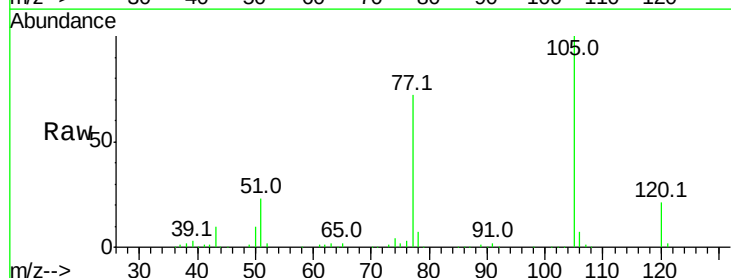
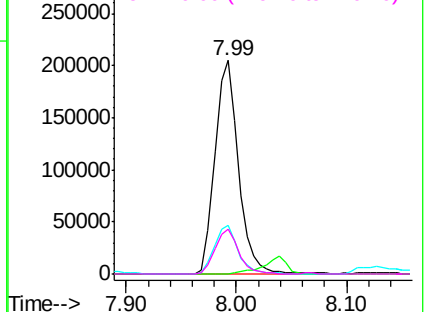
Abundance

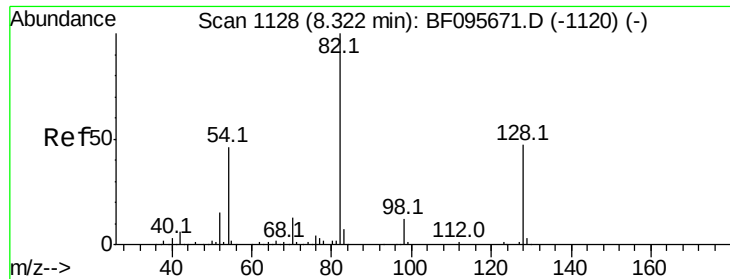
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



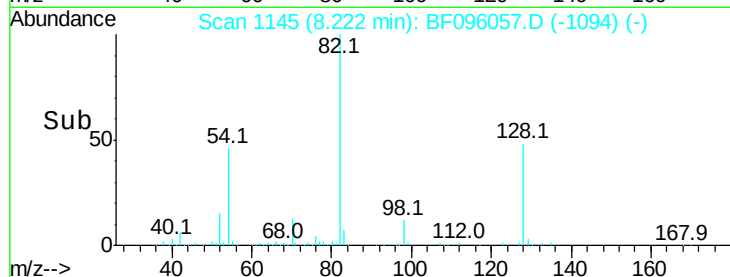
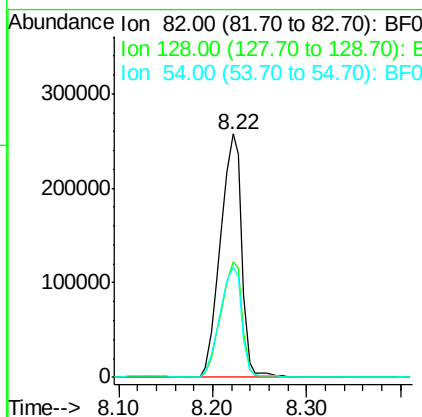
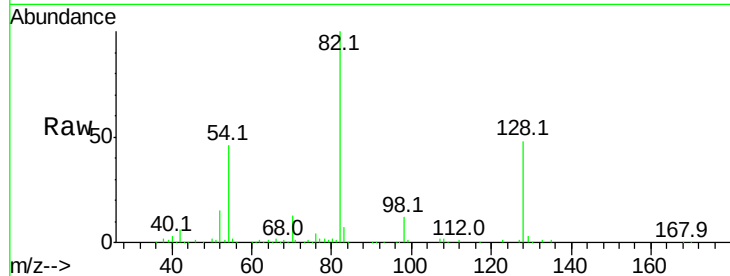


#23
 Nitrobenzene-d5
 Concen: 97.47 ng
 RT: 8.22 min Scan# 1145
 Delta R.T. 0.00 min
 Lab File: BF096057.D
 Acq: 20 Jun 2017 21:52

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061617MSD

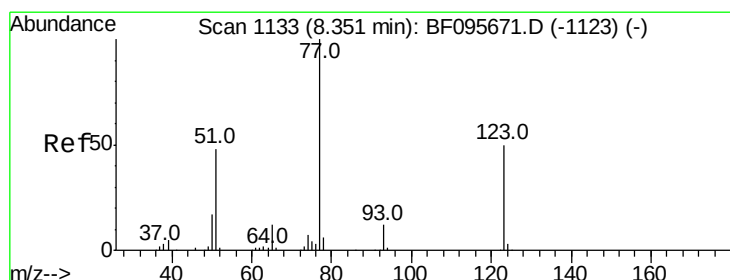
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.6	34.0	51.0	
54	45.6	42.2	63.2	

Manual Integrations
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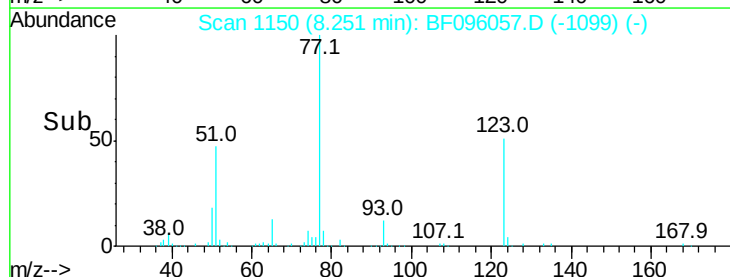
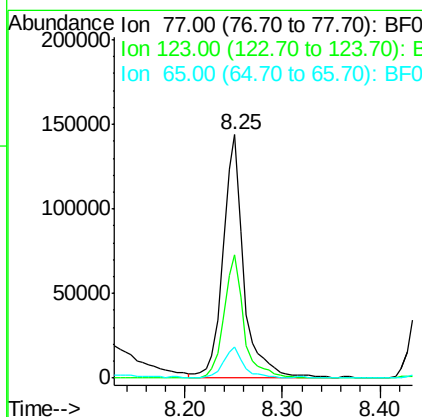
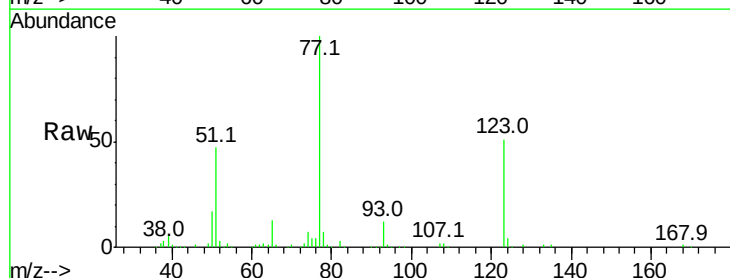
mohammad

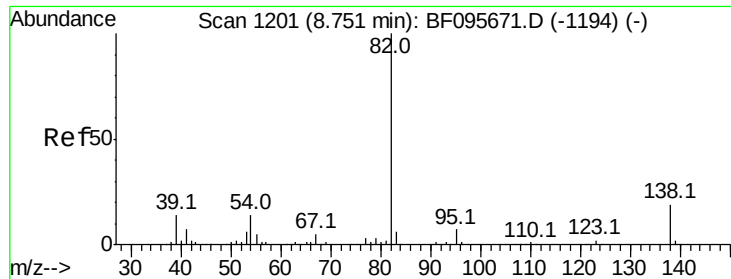
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#24
 Nitrobenzene
 Concen: 46.24 ng
 RT: 8.25 min Scan# 1150
 Delta R.T. 0.00 min
 Lab File: BF096057.D
 Acq: 20 Jun 2017 21:52

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	50.7	35.8	53.8	
65	13.0	10.6	15.8	





#25

Isophorone

Concen: 46.56 ng

RT: 8.65 min Scan# 1218

Delta R.T. 0.00 min

Lab File: BF096057.D

Acq: 20 Jun 2017 21:52

Instrument :

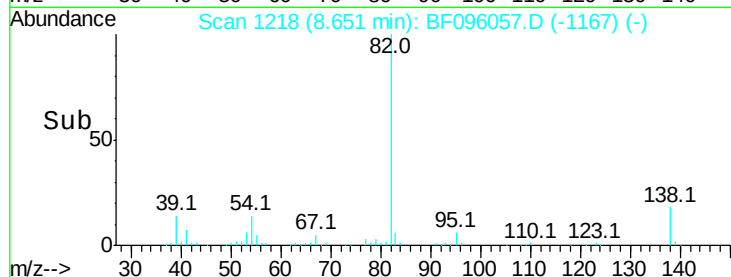
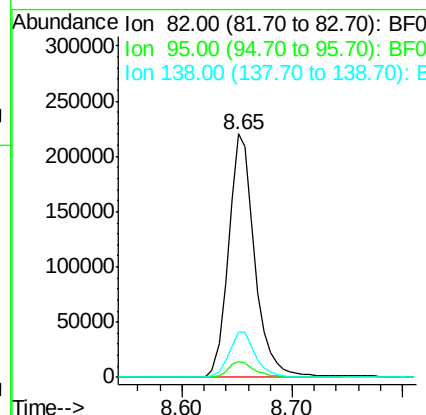
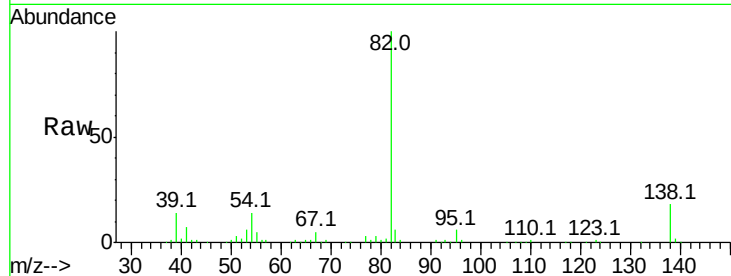
BNA_F

ClientSampleId :

SU-02-061617MSD

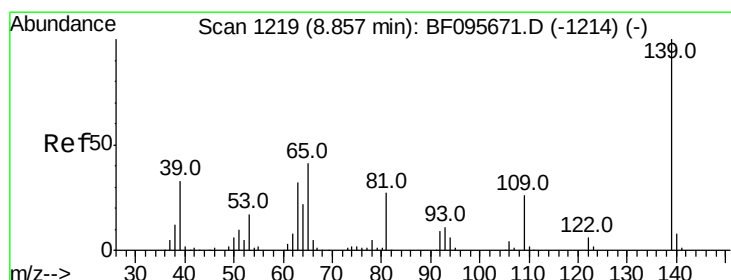
Tot Ion:	82	Resp:	364740
Ion Ratio		Lower	Upper
82	100		
95	6.5	5.3	7.9
138	18.4	13.1	19.7

Manual Integrations
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#26

2-Nitrophenol

Concen: 44.10 ng

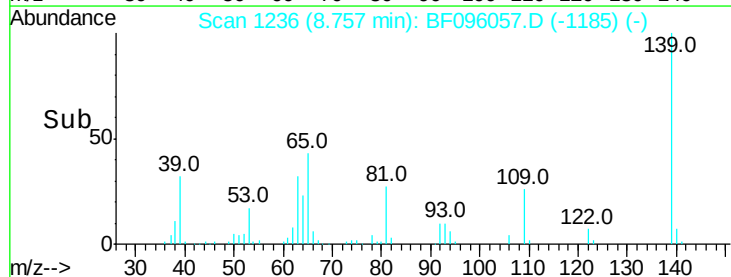
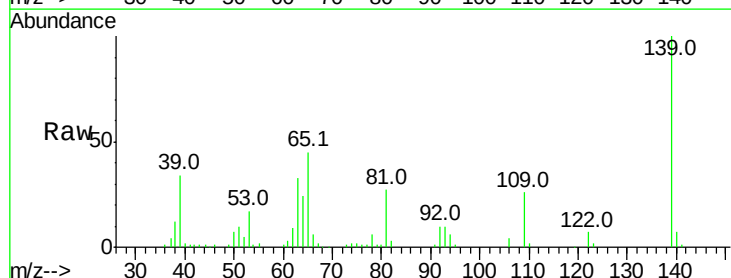
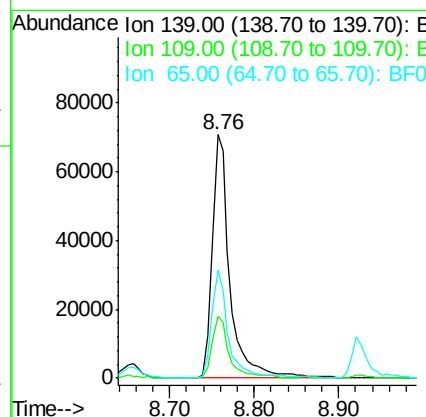
RT: 8.76 min Scan# 1236

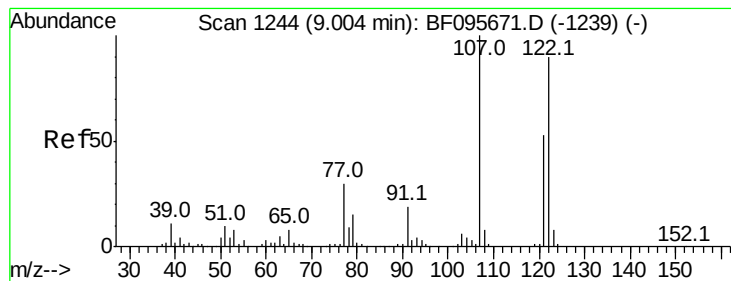
Delta R.T. 0.00 min

Lab File: BF096057.D

Acq: 20 Jun 2017 21:52

Tgt Ion:	139	Resp:	103503
Ion Ratio		Lower	Upper
139	100		
109	25.6	21.0	31.6
65	44.6	33.0	49.6





#27

2,4-Dimethylphenol

Concen: 50.84 ng

RT: 8.92 min Scan# 1264

Delta R.T. 0.01 min

Lab File: BF096057.D

Acq: 20 Jun 2017 21:52

Instrument :

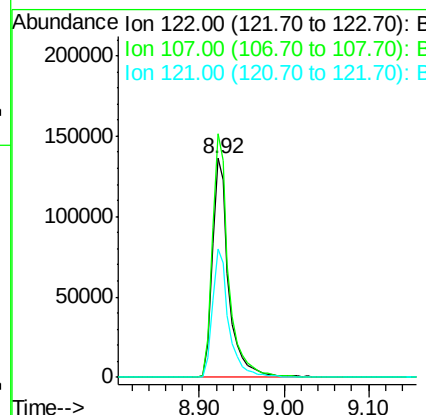
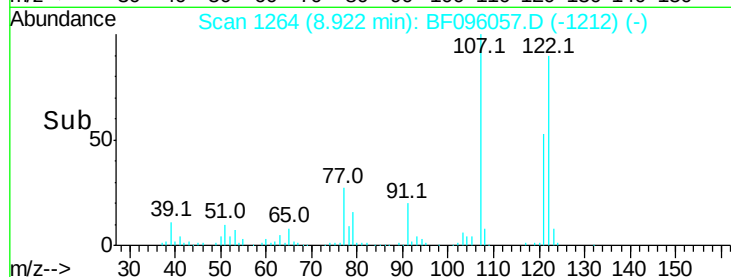
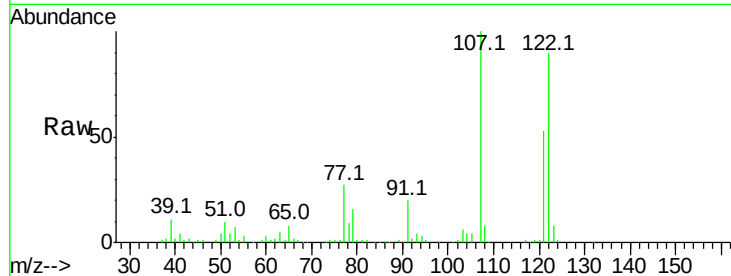
BNA_F

ClientSampleId :

SU-02-061617MSD

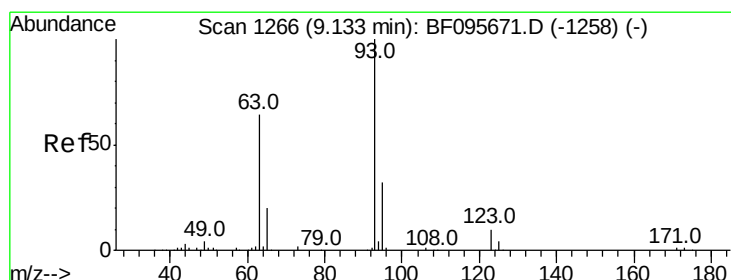
Tot Ion:	122	Resp:	185162
Ion Ratio	Lower	Upper	
122	100		
107	111.1	89.2	133.8
121	58.6	45.2	67.8

Manual Integrations
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#28

bis(2-Chloroethoxy)methane

Concen: 48.08 ng

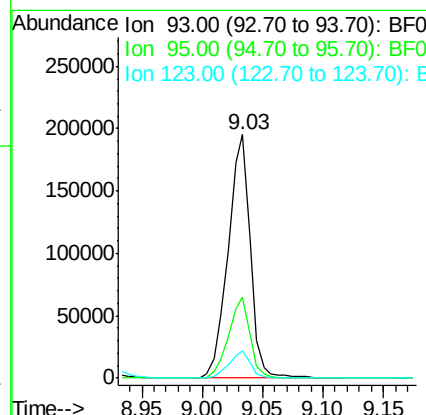
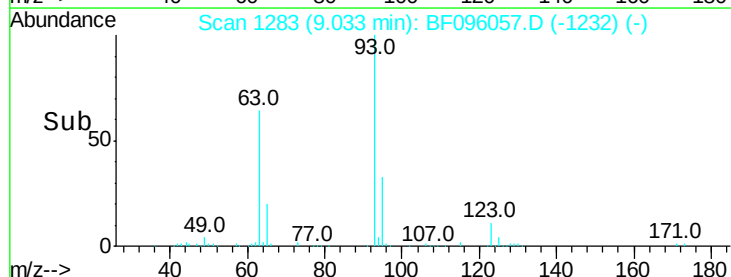
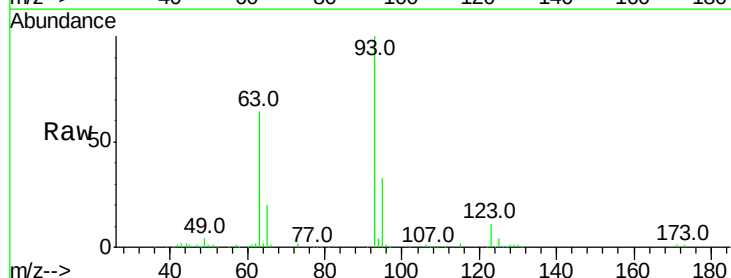
RT: 9.03 min Scan# 1283

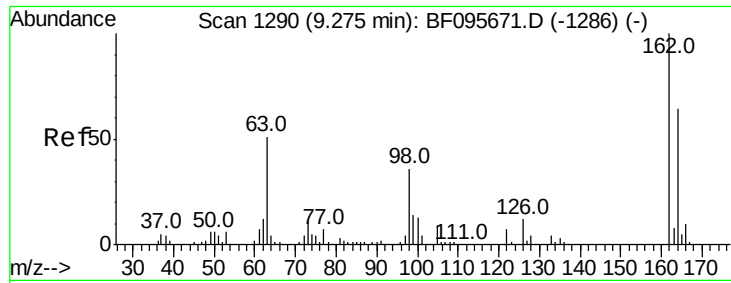
Delta R.T. 0.00 min

Lab File: BF096057.D

Acq: 20 Jun 2017 21:52

Tgt Ion:	93	Resp:	248267
Ion Ratio	Lower	Upper	
93	100		
95	33.3	26.5	39.7
123	11.2	9.0	13.4



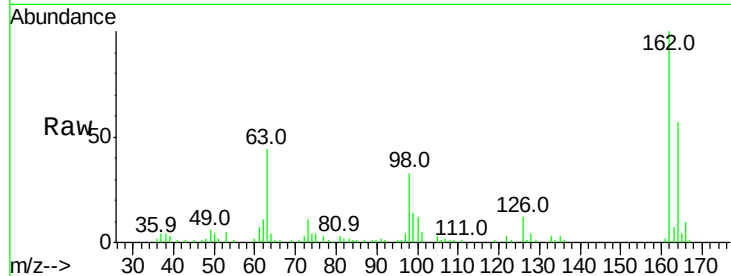


#29
2,4-Dichlorophenol
Concen: 48.32 ng
RT: 9.22 min Scan# 1314
Delta R.T. 0.02 min
Lab File: BF096057.D
Acq: 20 Jun 2017 21:52

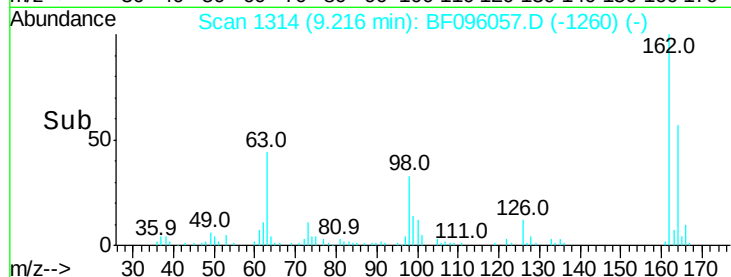
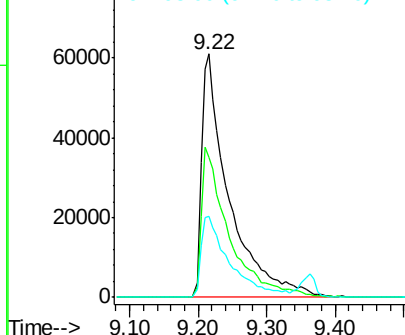
Instrument :
BNA_F
ClientSampleId :
SU-02-061617MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	57.5	44.6	84.6
98	33.4	14.8	54.8

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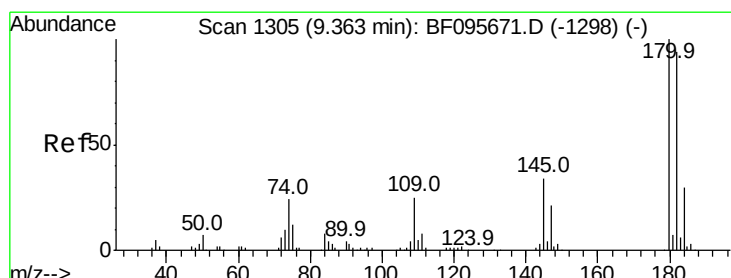


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF0



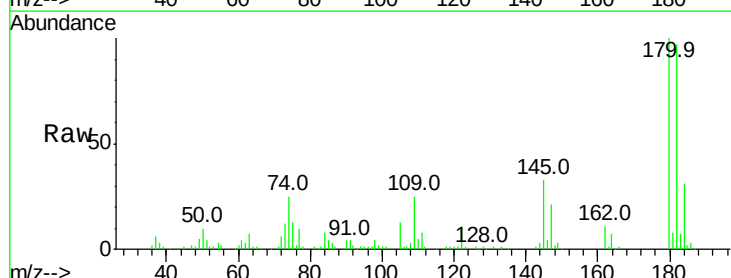
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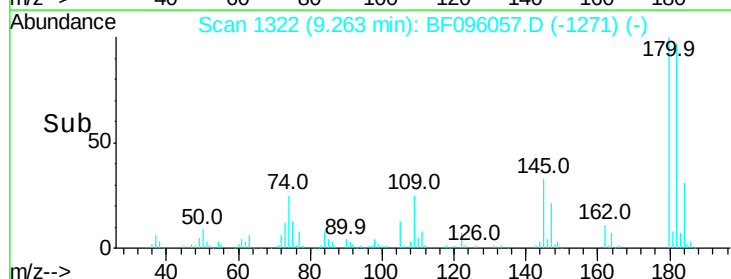
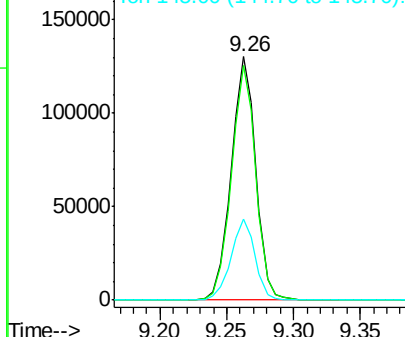


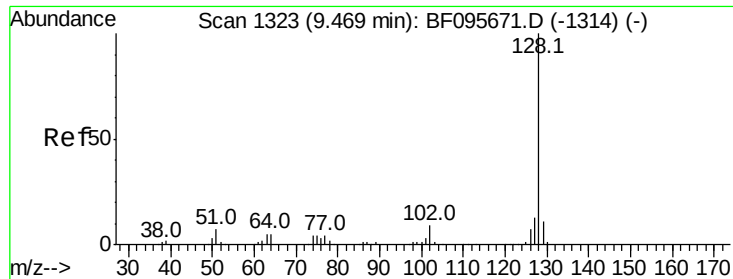
#30
1,2,4-Trichlorobenzene
Concen: 45.98 ng
RT: 9.26 min Scan# 1322
Delta R.T. 0.00 min
Lab File: BF096057.D
Acq: 20 Jun 2017 21:52

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	96.6	75.8	113.6
145	33.3	25.3	37.9



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E



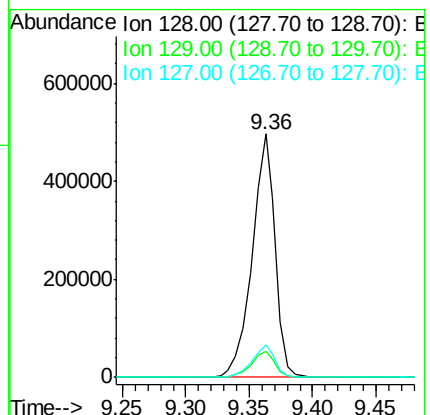
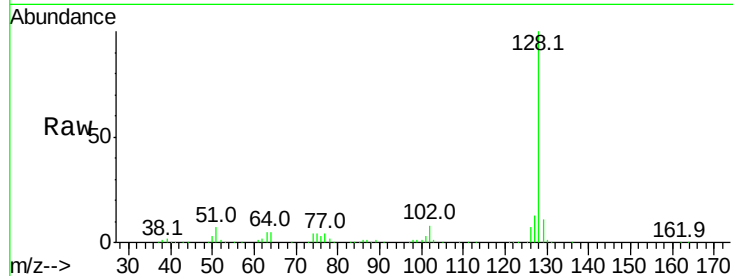


#31
Naphthalene
Concen: 47.69 ng
RT: 9.36 min Scan# 1339
Delta R.T. 0.00 min
Lab File: BF096057.D
Acq: 20 Jun 2017 21:52

Instrument :
BNA_F
ClientSampleId :
SU-02-061617MSD

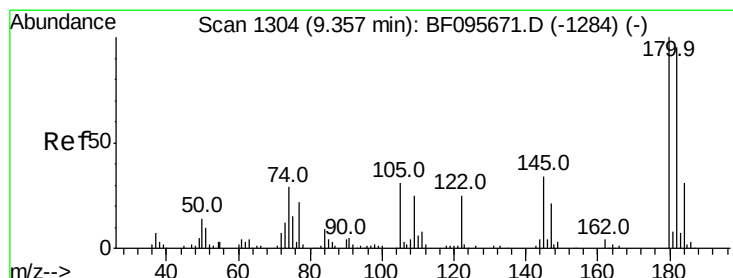
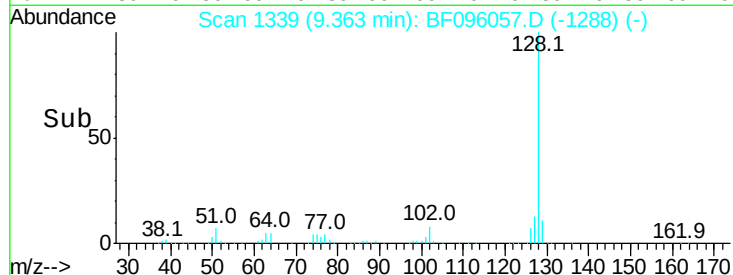
Tot Ion	Ratio	Lower	Upper
128	100		
129	10.6	9.0	13.6
127	13.4	10.8	16.2

Manual Integrations
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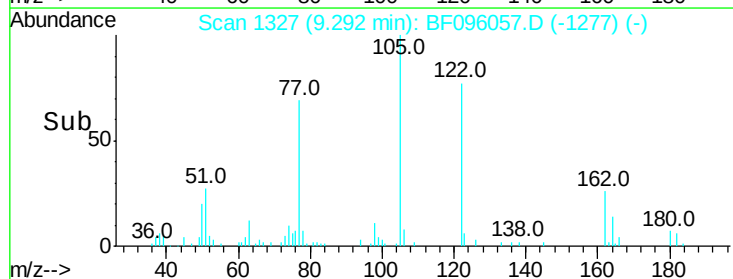
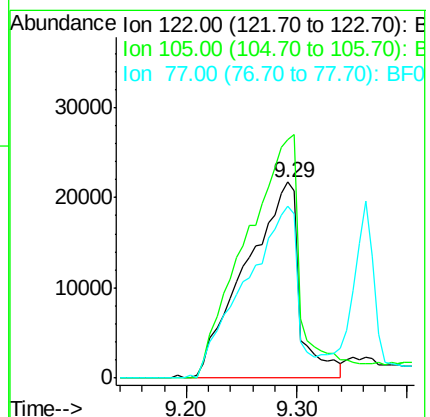
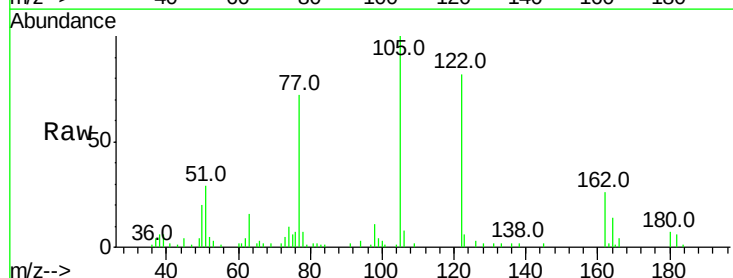
mohammad

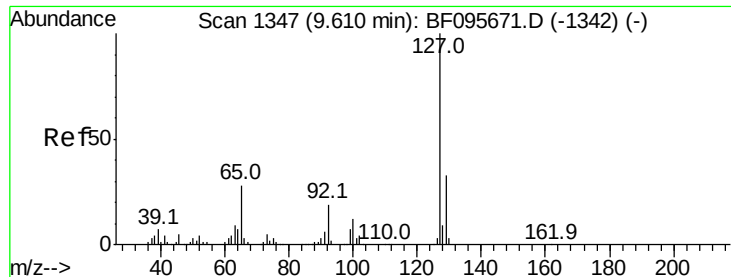
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#32
Benzoic acid
Concen: 34.14 ng
RT: 9.29 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF096057.D
Acq: 20 Jun 2017 21:52

Tgt Ion	Ratio	Lower	Upper
122	100		
105	122.0	103.3	143.3
77	87.9	73.7	113.7



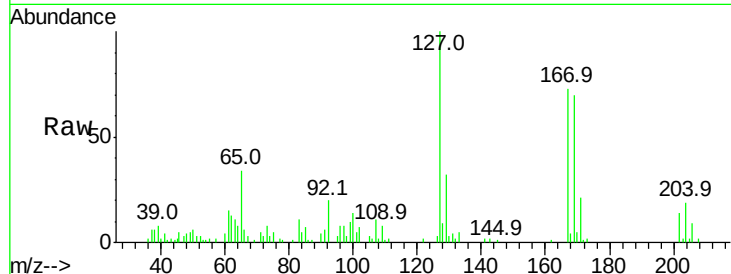


#33
4-Chloroaniline
Concen: 17.97 ng
RT: 9.53 min Scan# 1368
Delta R.T. 0.02 min
Lab File: BF096057.D
Acq: 20 Jun 2017 21:52

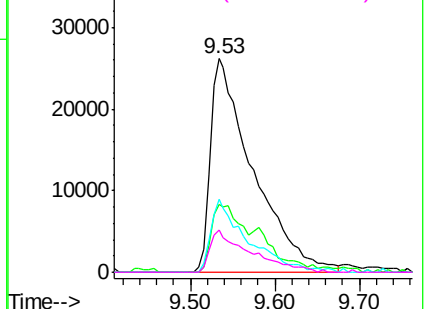
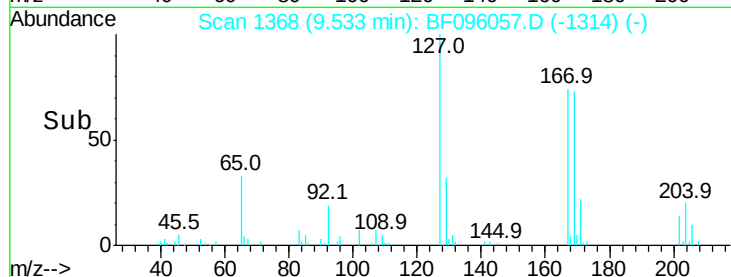
Instrument :
BNA_F
ClientSampleId :
SU-02-061617MSD

Tot Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.2	39.2
65	34.0	27.8	41.8
92	19.9	16.8	25.2

Manual Integrations
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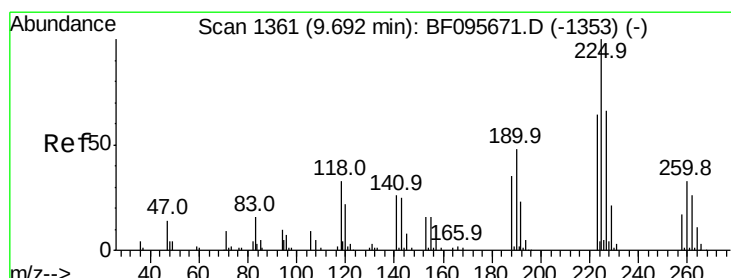


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0



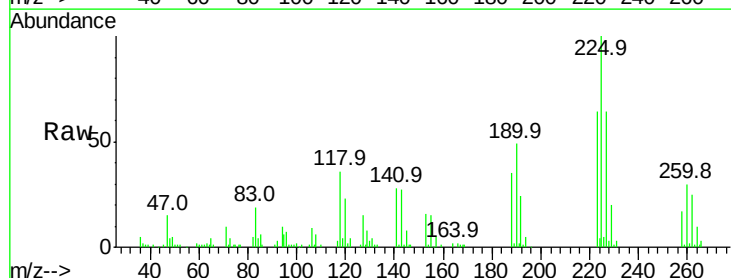
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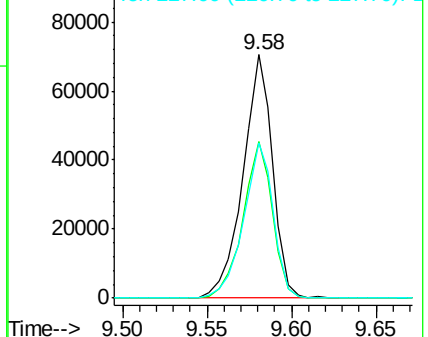
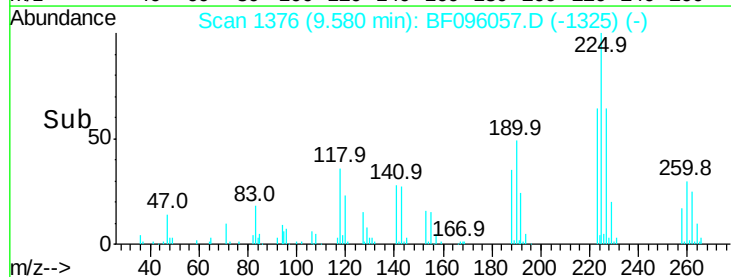


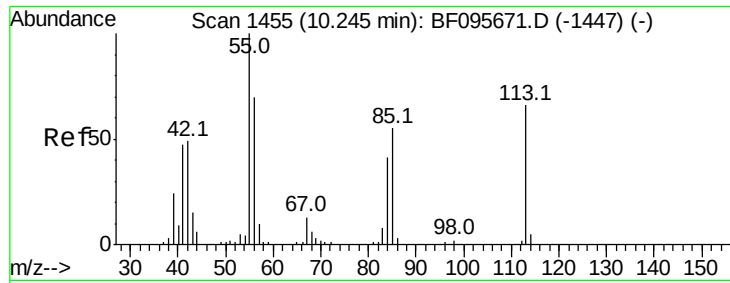
#34
Hexachlorobutadiene
Concen: 45.65 ng
RT: 9.58 min Scan# 1376
Delta R.T. 0.00 min
Lab File: BF096057.D
Acq: 20 Jun 2017 21:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	48.8	73.2
227	63.6	51.1	76.7



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 47.67 ng/ml

RT: 10.16 min Scan# 1474

Delta R.T. -0.01 min

Lab File: BF096057.D

Acq: 20 Jun 2017 21:52

Instrument :

BNA_F

ClientSampleId :

SU-02-061617MSD

Tot Ion:113 Resp: 49752

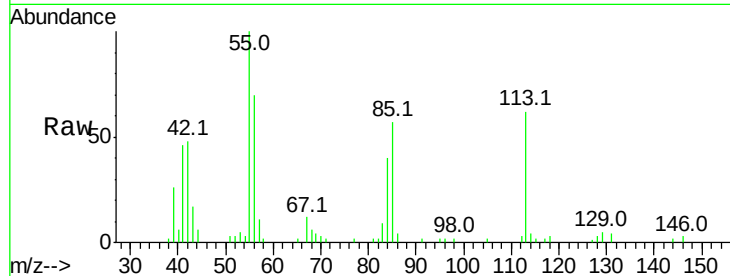
Ion Ratio Lower Upper

113 100

55 161.6 150.2 190.2

56 112.8 107.8 147.8

Manual Integrations
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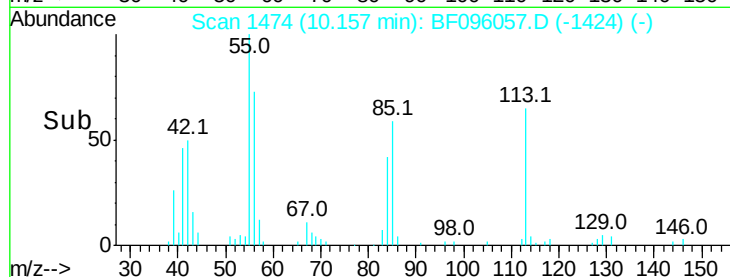


Abundance Ion 113.00 (112.70 to 113.70): E

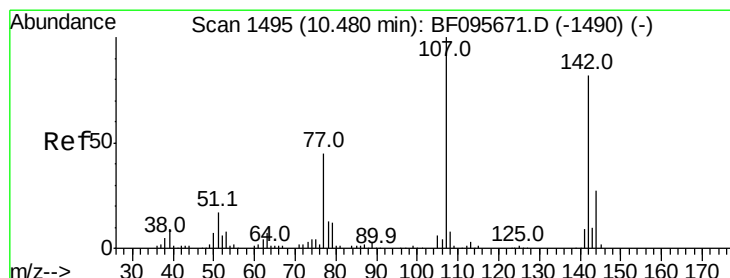
Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0

Time-->



Time-->



#36

4-Chloro-3-methylphenol

Concen: 45.37 ng/ml

RT: 10.42 min Scan# 1518

Delta R.T. 0.01 min

Lab File: BF096057.D

Acq: 20 Jun 2017 21:52

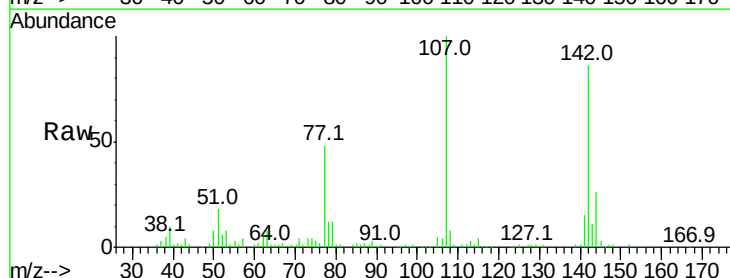
Tgt Ion:107 Resp: 166606

Ion Ratio Lower Upper

107 100

144 26.0 24.2 36.4

142 86.1 73.4 110.0

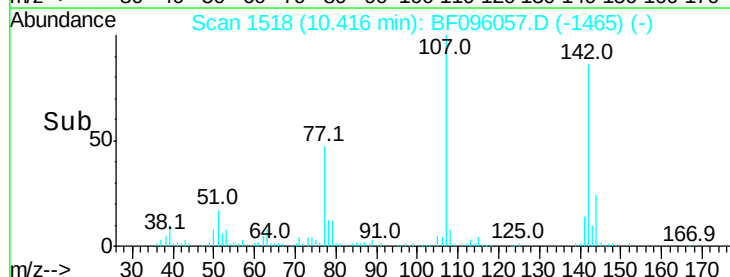


Abundance Ion 107.00 (106.70 to 107.70): E

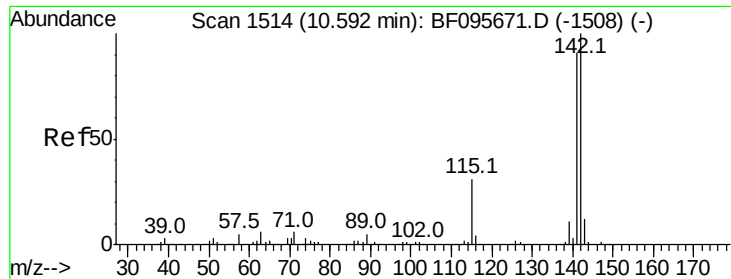
Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

Time-->



Time-->

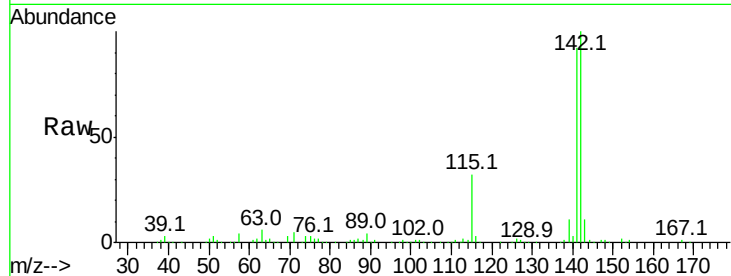


#37
2-Methylnaphthalene
Concen: 45.79 ng
RT: 10.49 min Scan# 1531
Delta R.T. 0.01 min
Lab File: BF096057.D
Acq: 20 Jun 2017 21:52

Instrument :
BNA_F
ClientSampleId :
SU-02-061617MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.0	71.3	106.9
115	31.8	27.1	40.7

Manual Integrations
APPROVED

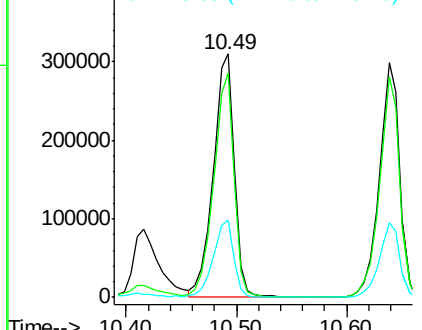


Abundance

Ion 142.00 (141.70 to 142.70): E

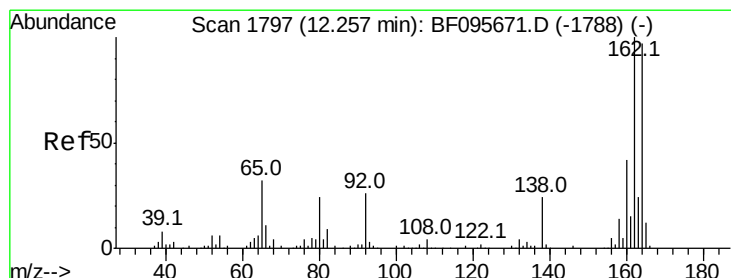
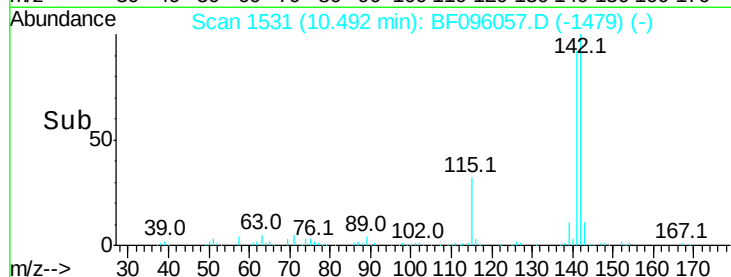
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



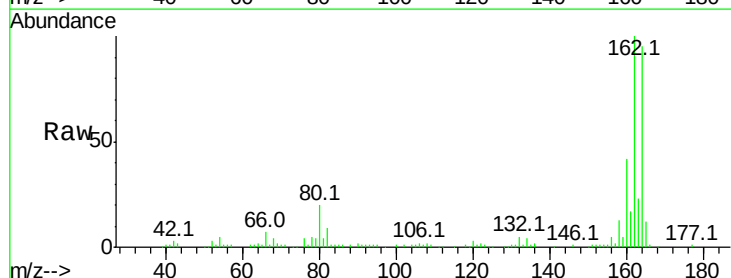
mohammad

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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.15 min Scan# 1813
Delta R.T. 0.00 min
Lab File: BF096057.D
Acq: 20 Jun 2017 21:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.5	82.6	123.8
160	44.4	36.2	54.2

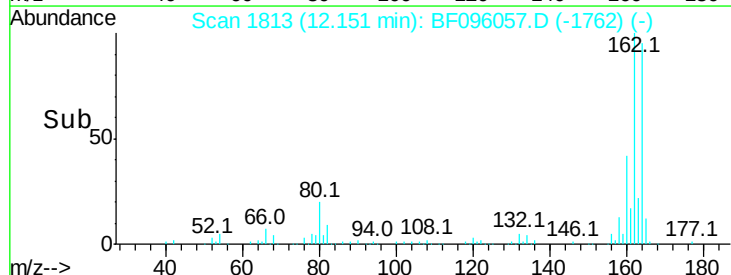
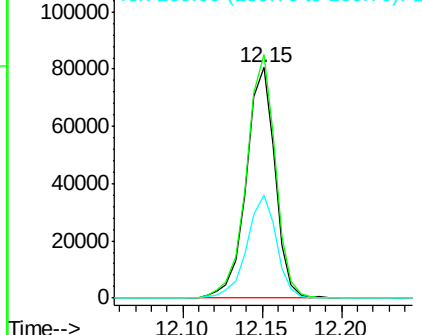


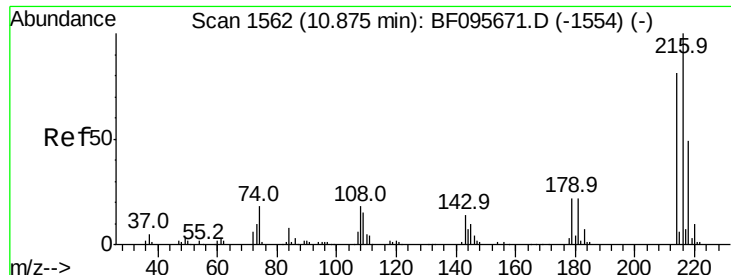
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



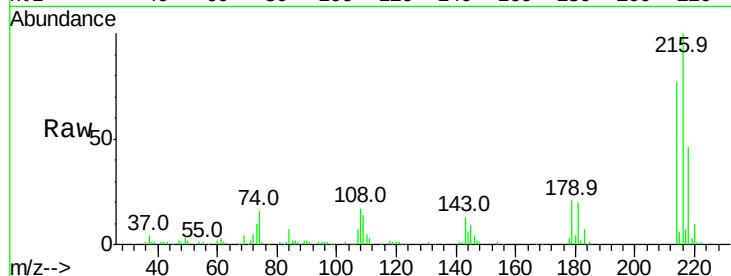


#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 49.26 ng
 RT: 10.77 min Scan# 1579
 Delta R.T. 0.01 min
 Lab File: BF096057.D
 Acq: 20 Jun 2017 21:52

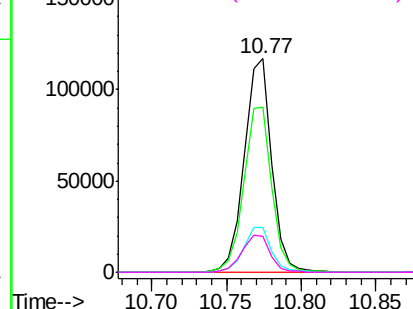
Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061617MSD

Tot Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.4	95.2
179	21.5	17.9	26.9
108	18.1	16.5	24.7

Manual Integrations
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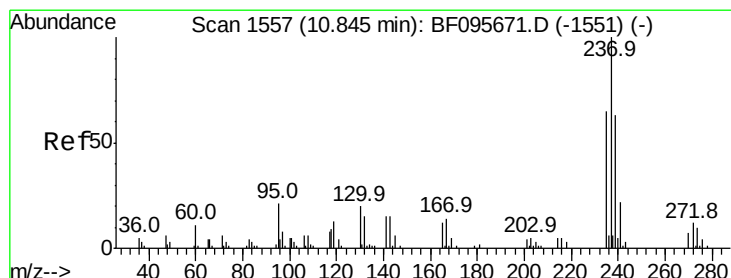
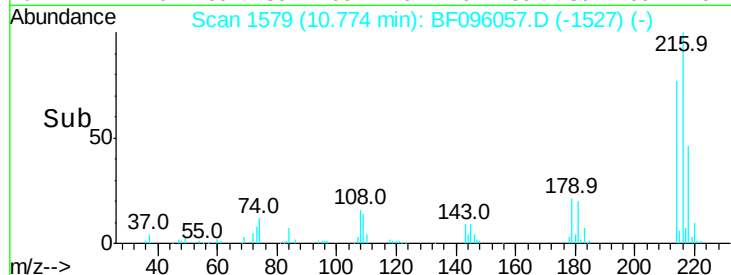


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E



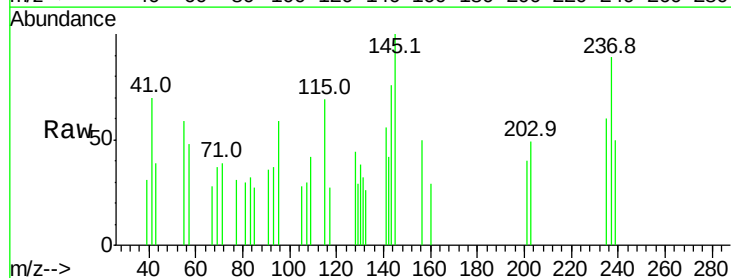
mohammad

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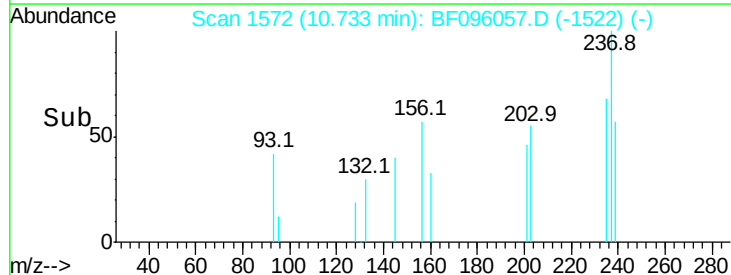
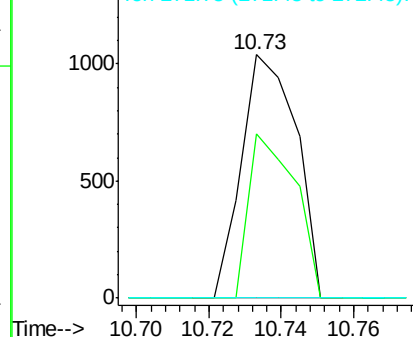


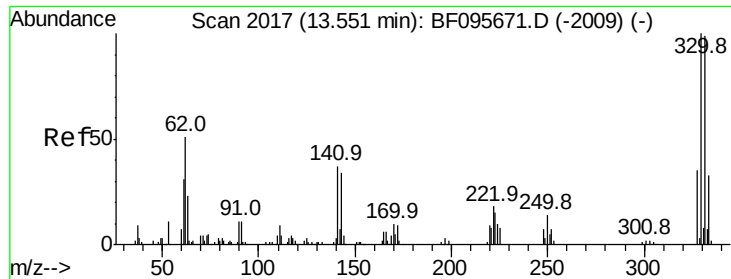
#40
 Hexachlorocyclopentadiene
 Concen: 12.23 ng
 RT: 10.73 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF096057.D
 Acq: 20 Jun 2017 21:52

Tgt Ion	Ratio	Lower	Upper
237	100		
235	67.5	42.6	82.6
272	0.0	0.0	31.9



Abundance Ion 236.80 (236.50 to 237.50): E
 Ion 234.90 (234.60 to 235.60): E
 Ion 271.75 (271.45 to 272.45): E





#41

2,4,6-Tribromophenol

Concen: 125.85 ng

RT: 13.45 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BF096057.D

Acq: 20 Jun 2017 21:52

Instrument :

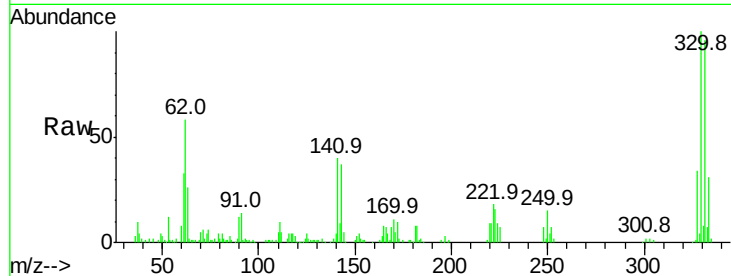
BNA_F

ClientSampleId :

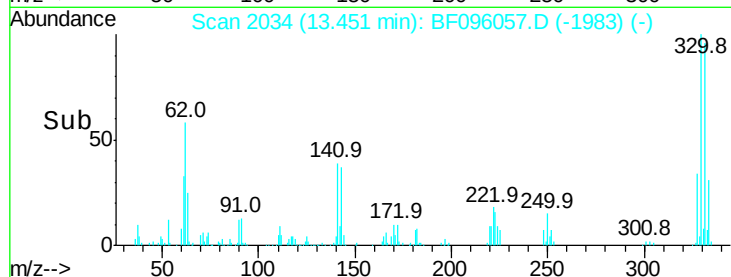
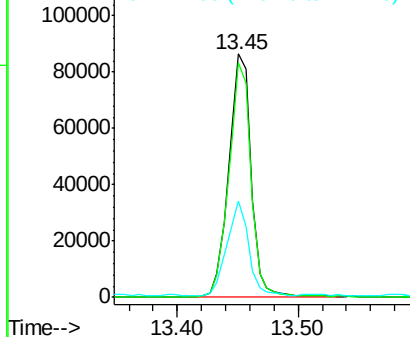
SU-02-061617MSD

Tot Ion:	330	Resp:	112502
Ion Ratio	Lower	Upper	
330	100		
332	95.8	76.6	115.0
141	37.7	31.4	47.2

Manual Integrations
APPROVED

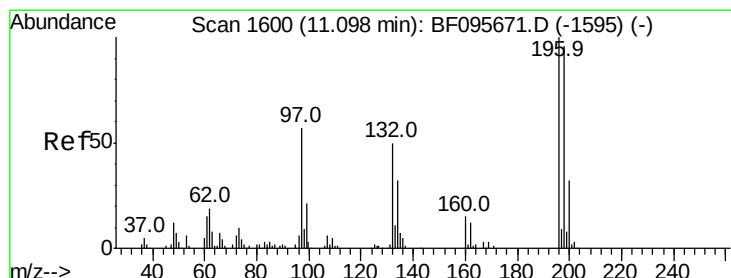


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



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#42

2,4,6-Trichlorophenol

Concen: 51.82 ng

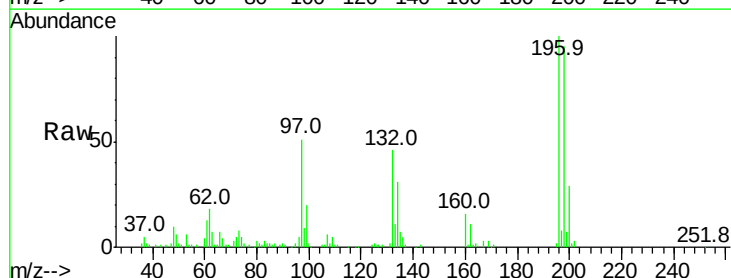
RT: 11.01 min Scan# 1619

Delta R.T. 0.01 min

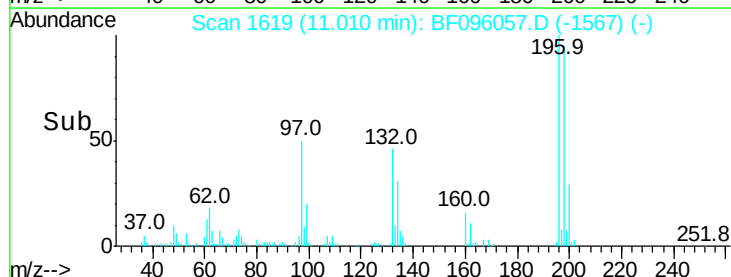
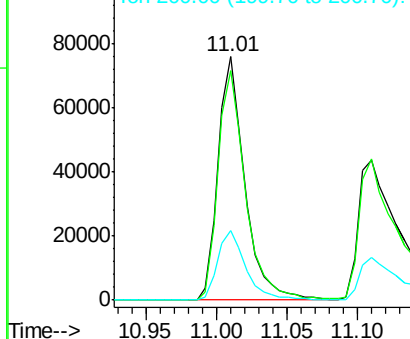
Lab File: BF096057.D

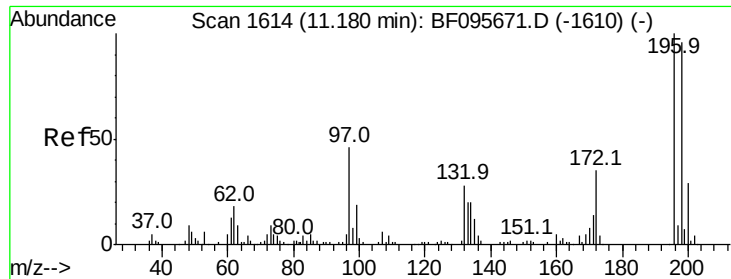
Acq: 20 Jun 2017 21:52

Tgt Ion:	196	Resp:	100749
Ion Ratio	Lower	Upper	
196	100		
198	94.5	74.2	111.4
200	28.6	24.0	36.0



Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 200.00 (199.70 to 200.70): E



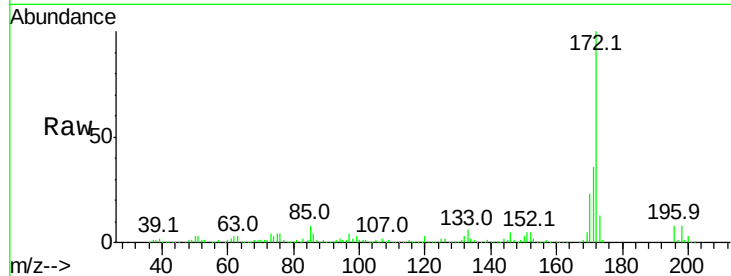


#43
 2,4,5-Trichlorophenol
 Concen: 46.09 ng
 RT: 11.11 min Scan# 1636
 Delta R.T. 0.01 min
 Lab File: BF096057.D
 Acq: 20 Jun 2017 21:52

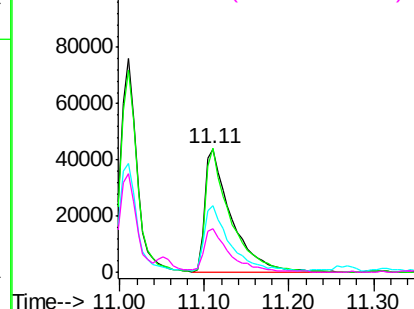
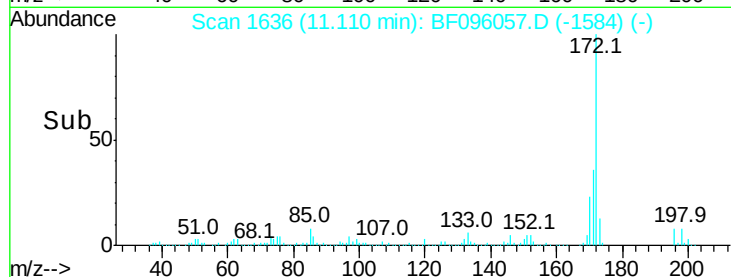
Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061617MSD

Tot Ion:	196	Resp:	95313
Ion Ratio	Lower	Upper	
196	100		
198	101.0	75.7	113.5
97	53.7	47.7	71.5
132	35.7	28.0	42.0

Manual Integrations
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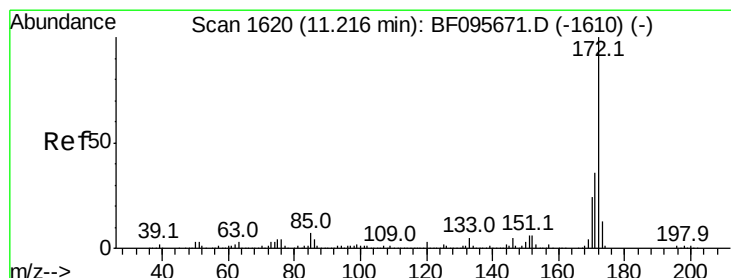


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E



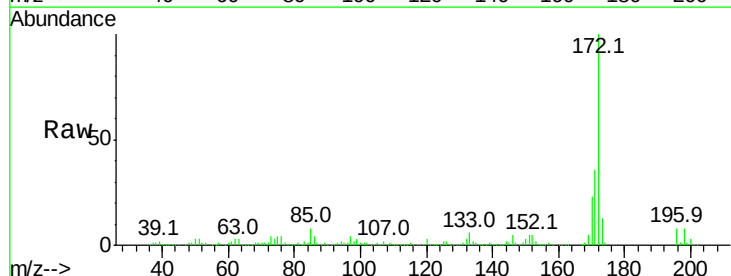
mohammad

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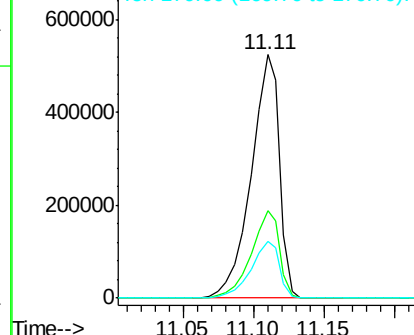
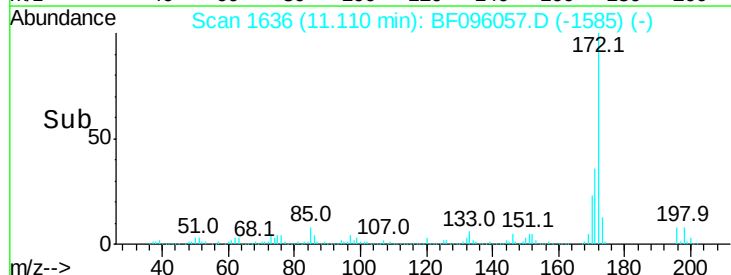


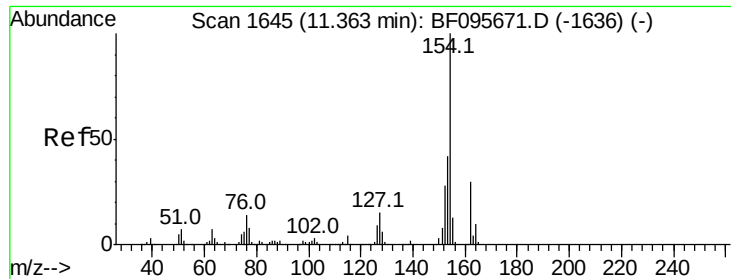
#44
 2-Fluorobiphenyl
 Concen: 101.42 ng
 RT: 11.11 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: BF096057.D
 Acq: 20 Jun 2017 21:52

Tgt Ion:	172	Resp:	736394
Ion Ratio	Lower	Upper	
172	100		
171	35.9	29.6	44.4
170	23.3	19.8	29.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



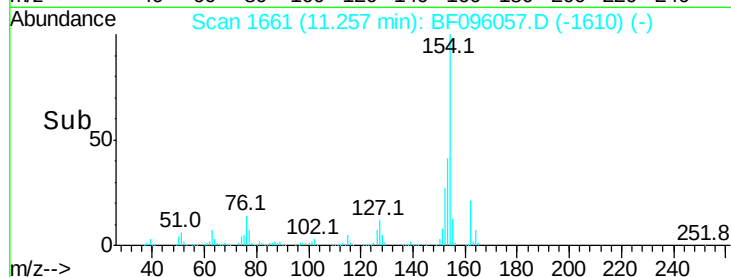
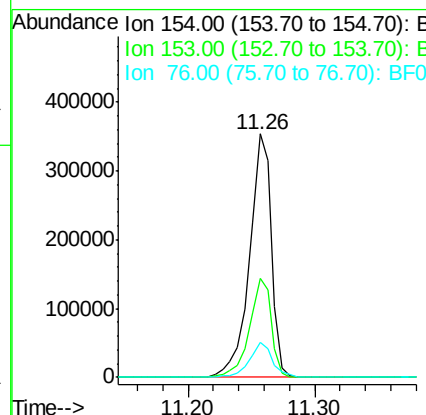
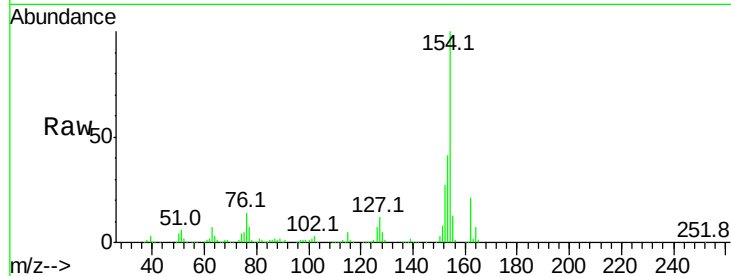


#45
1,1'-Biphenyl
Concen: 50.73 ng
RT: 11.26 min Scan# 1661
Delta R.T. 0.00 min
Lab File: BF096057.D
Acq: 20 Jun 2017 21:52

Instrument :
BNA_F
ClientSampleId :
SU-02-061617MSD

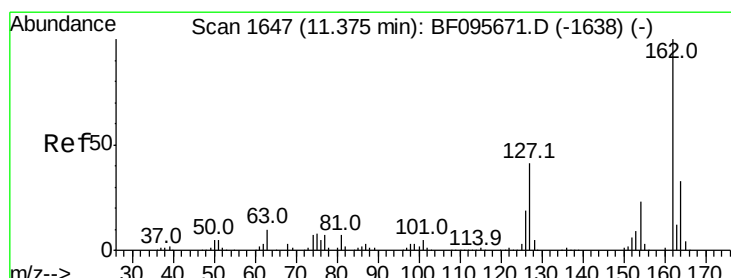
Tot Ion	Ratio	Lower	Upper
154	100		
153	40.7	21.2	61.2
76	14.1	0.0	29.9

Manual Integrations
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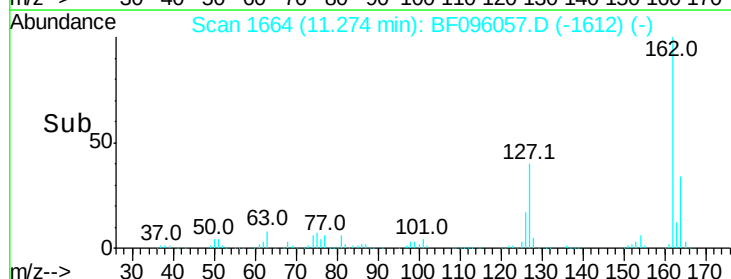
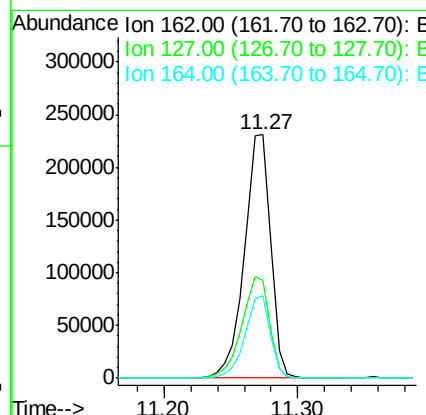
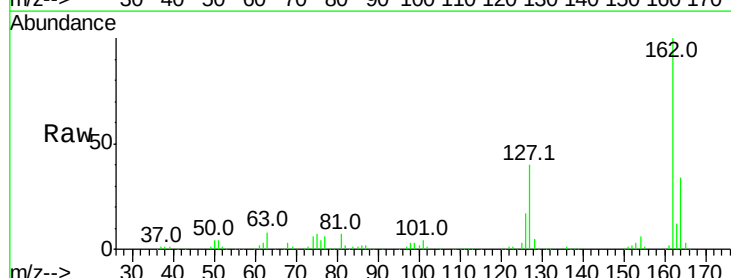
mohammad

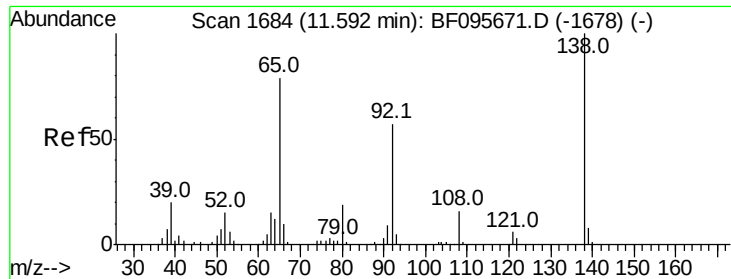
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#46
2-Chloronaphthalene
Concen: 48.17 ng
RT: 11.27 min Scan# 1664
Delta R.T. 0.01 min
Lab File: BF096057.D
Acq: 20 Jun 2017 21:52

Tgt Ion	Ratio	Lower	Upper
162	100		
127	40.3	28.3	42.5
164	33.6	27.0	40.4



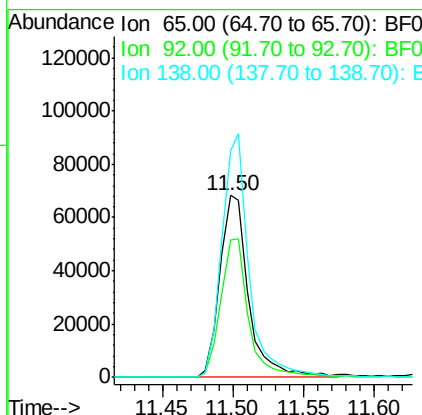
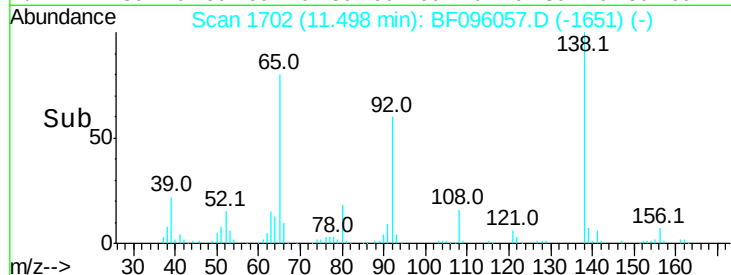
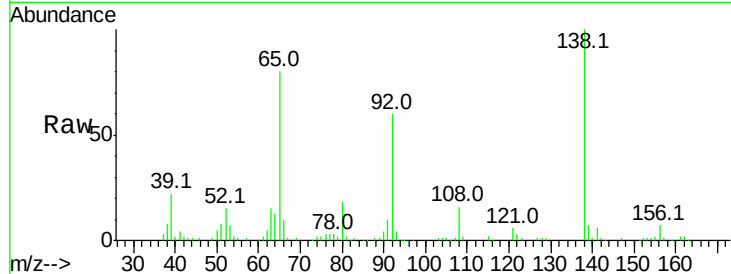


#47
 2-Nitroaniline
 Concen: 50.97 ng
 RT: 11.50 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: BF096057.D
 Acq: 20 Jun 2017 21:52

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061617MSD

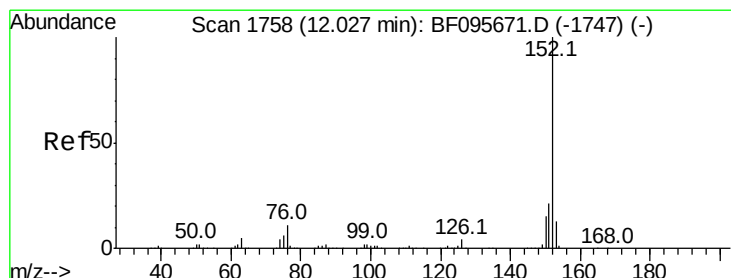
Tot Ion:	65	Resp:	97043
Ion Ratio	Lower	Upper	
65	100		
92	75.6	53.9	80.9
138	125.0	78.8	118.2

Manual Integrations
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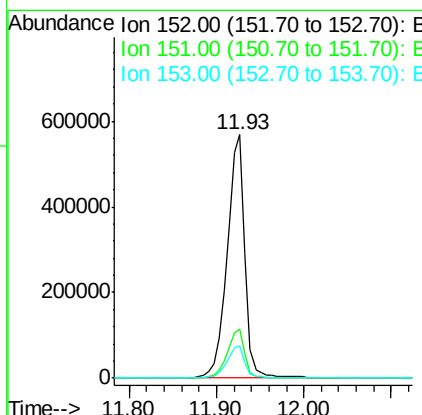
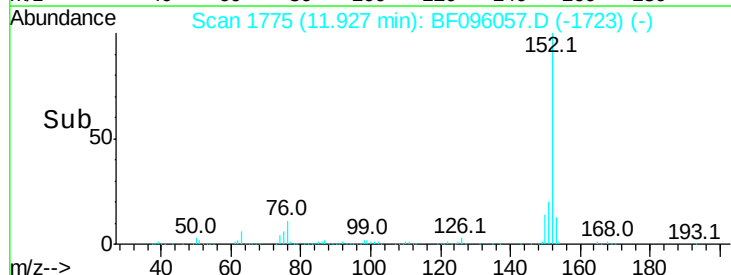
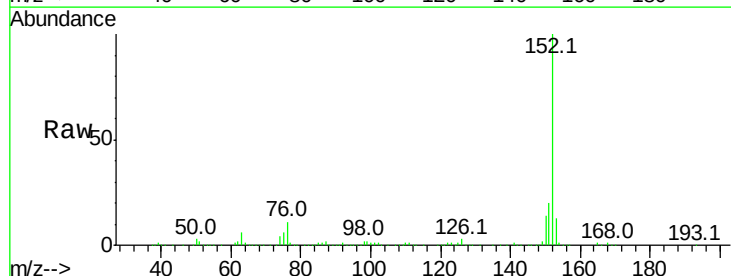
mohammad

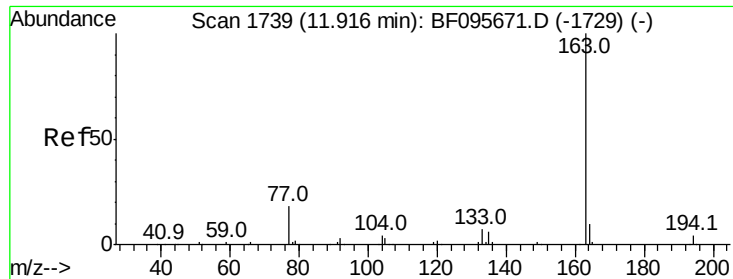
6/21/2017 2:16:54 PM



#48
 Acenaphthylene
 Concen: 70.69 ng
 RT: 11.93 min Scan# 1775
 Delta R.T. 0.01 min
 Lab File: BF096057.D
 Acq: 20 Jun 2017 21:52

Tgt Ion:	152	Resp:	786495
Ion Ratio	Lower	Upper	
152	100		
151	20.2	16.8	25.2
153	13.2	10.8	16.2





#49

Dimethylphthalate

Concen: 63.42 ng

RT: 11.82 min Scan# 1757

Delta R.T. 0.00 min

Lab File: BF096057.D

Acq: 20 Jun 2017 21:52

Instrument :

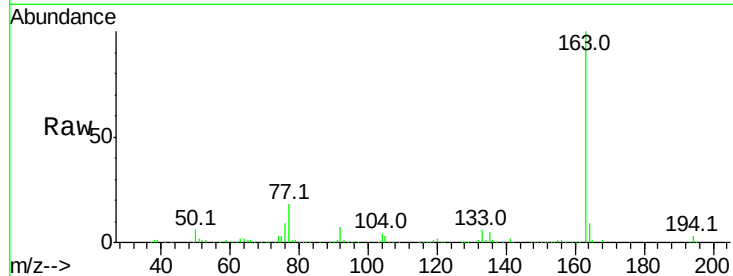
BNA_F

ClientSampleId :

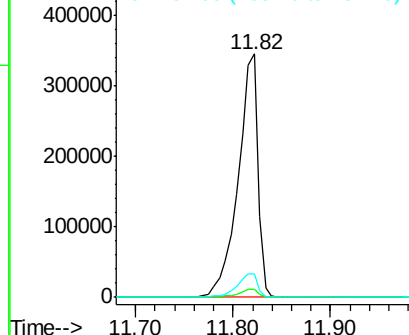
SU-02-061617MSD

Tot Ion:	163	Resp:	486544
Ion Ratio	Lower	Upper	
163	100		
194	3.4	2.6	4.0
164	9.5	8.4	12.6

Manual Integrations
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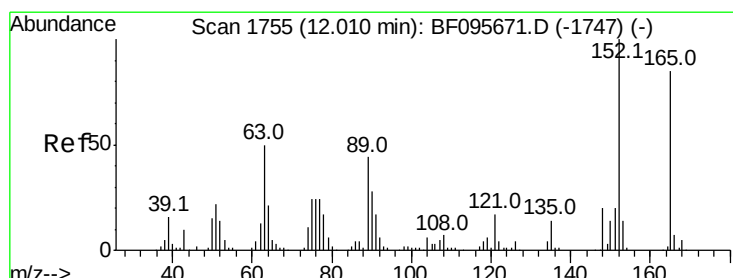
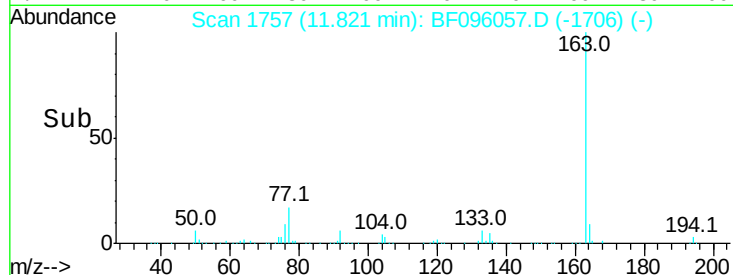


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



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#50

2,6-Dinitrotoluene

Concen: 39.54 ng

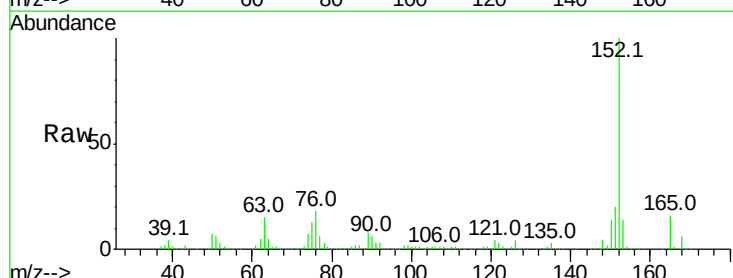
RT: 11.92 min Scan# 1773

Delta R.T. 0.00 min

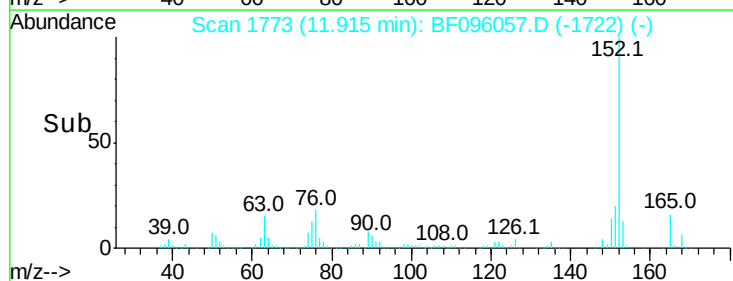
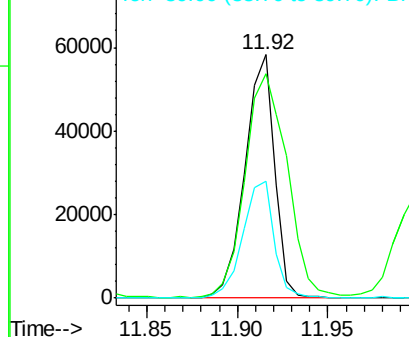
Lab File: BF096057.D

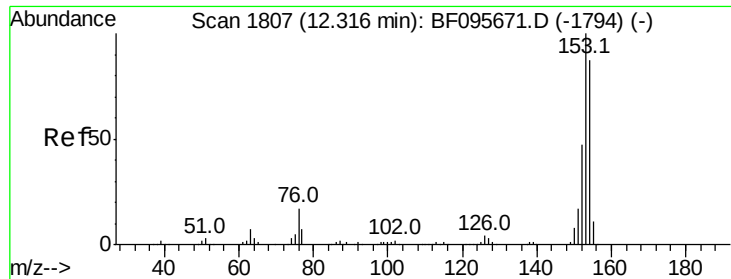
Acq: 20 Jun 2017 21:52

Tgt Ion:	165	Resp:	66153
Ion Ratio	Lower	Upper	
165	100		
63	92.1	34.3	51.5#
89	48.1	37.1	55.7



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 50.32 ng

RT: 12.20 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BF096057.D

Acq: 20 Jun 2017 21:52

Instrument :

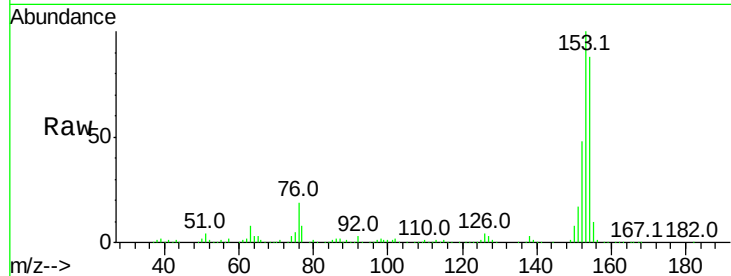
BNA_F

ClientSampleId :

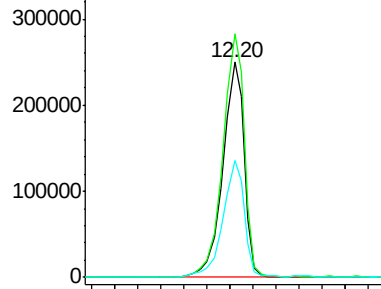
SU-02-061617MSD

Tot Ion:	154	Resp:	323364
Ion Ratio	Lower	Upper	
154	100		
153	113.2	90.5	135.7
152	54.3	43.6	65.4

Manual Integrations
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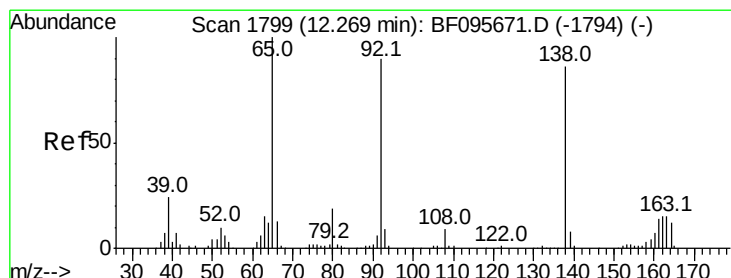
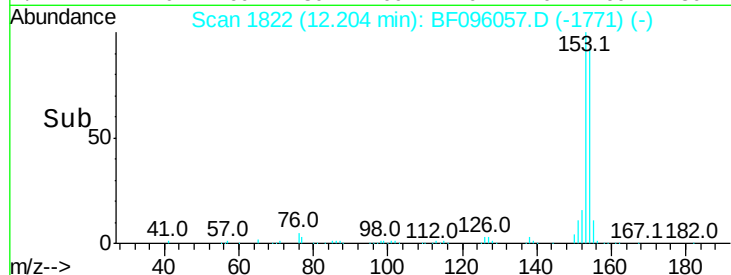


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



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#52

3-Nitroaniline

Concen: 37.47 ng

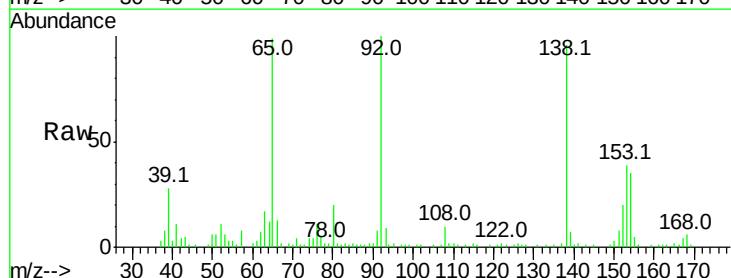
RT: 12.18 min Scan# 1818

Delta R.T. 0.00 min

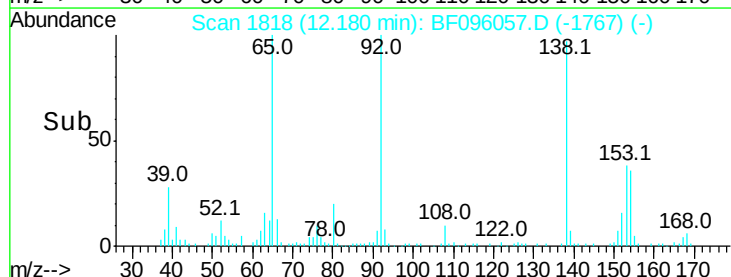
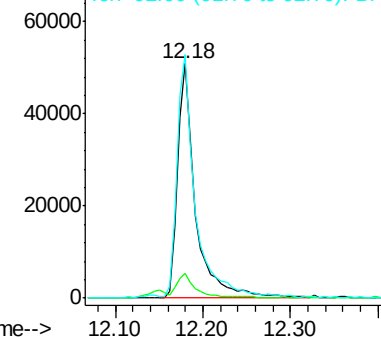
Lab File: BF096057.D

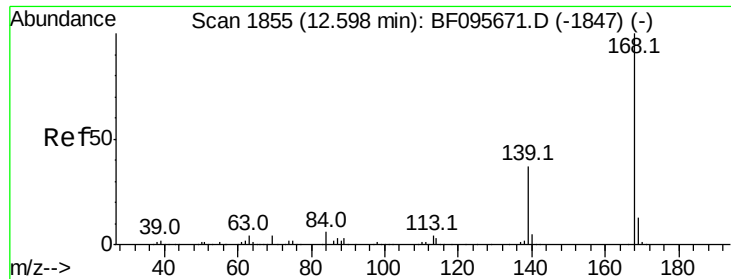
Acq: 20 Jun 2017 21:52

Tgt Ion:	138	Resp:	73045
Ion Ratio	Lower	Upper	
138	100		
108	10.5	9.1	13.7
92	103.8	93.8	140.6



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF0



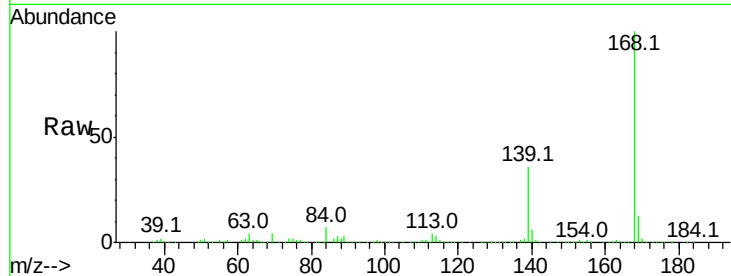


#54
Dibenzenofuran
Concen: 50.95 ng
RT: 12.49 min Scan# 1871
Delta R.T. 0.00 min
Lab File: BF096057.D
Acq: 20 Jun 2017 21:52

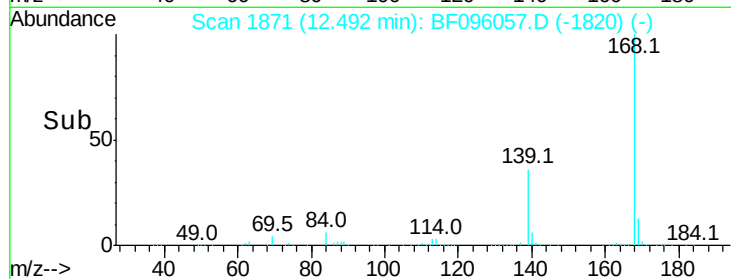
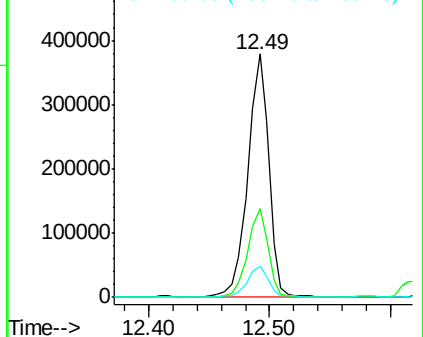
Instrument :
BNA_F
ClientSampleId :
SU-02-061617MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.2	30.6	45.8
169	12.8	10.8	16.2

Manual Integrations
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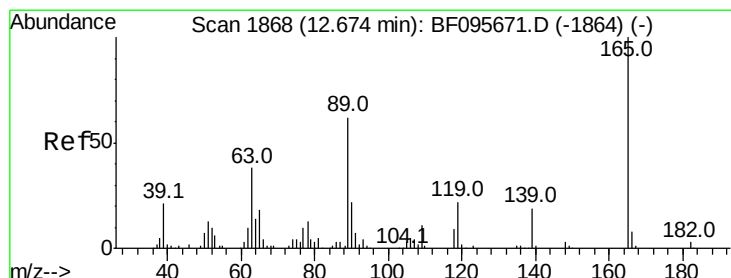


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E



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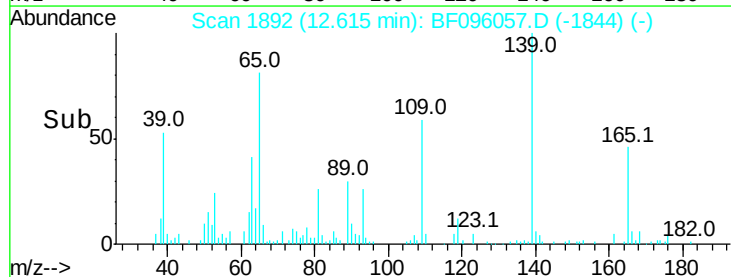
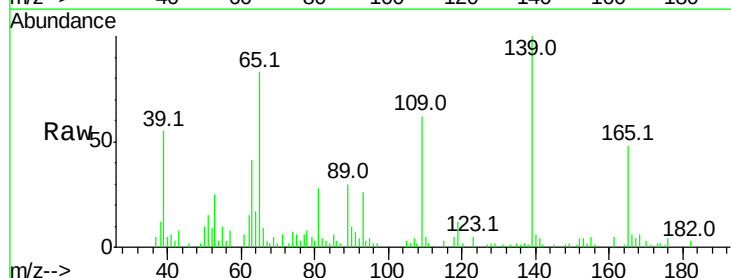
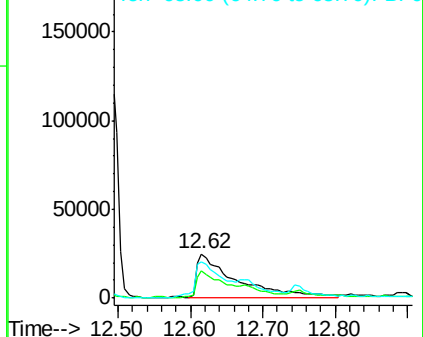
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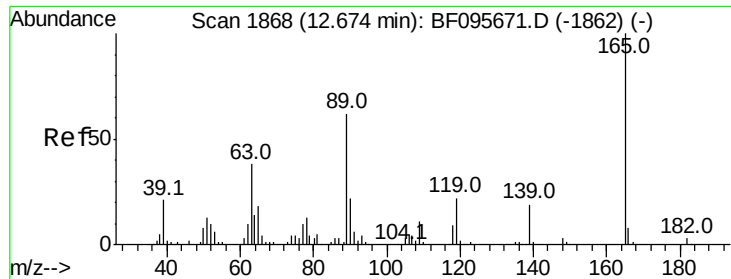


#55
4-Nitrophenol
Concen: 83.37 ng
RT: 12.62 min Scan# 1892
Delta R.T. -0.02 min
Lab File: BF096057.D
Acq: 20 Jun 2017 21:52

Tgt Ion	Ratio	Lower	Upper
139	100		
109	61.7	34.1	74.1
65	82.7	31.4	71.4#

Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0



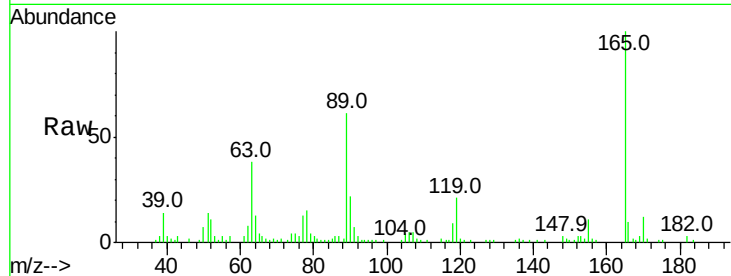


#56
2,4-Dinitrotoluene
Concen: 38.41 ng
RT: 12.59 min Scan# 1888
Delta R.T. 0.01 min
Lab File: BF096057.D
Acq: 20 Jun 2017 21:52

Instrument :
BNA_F
ClientSampleId :
SU-02-061617MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	38.2	25.4	38.0#	
89	60.9	46.4	69.6	
182	2.7	1.8	2.6#	

Manual Integrations
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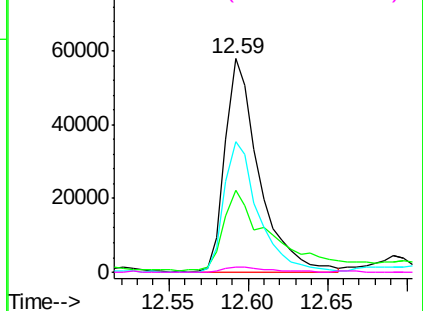
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

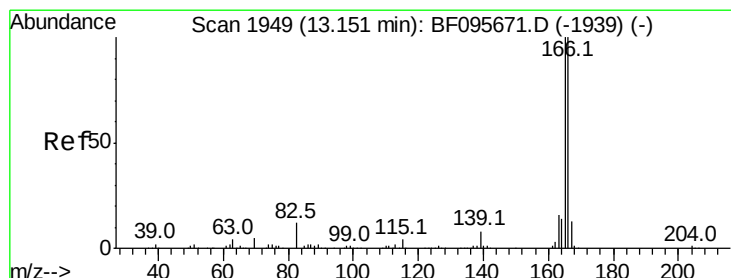
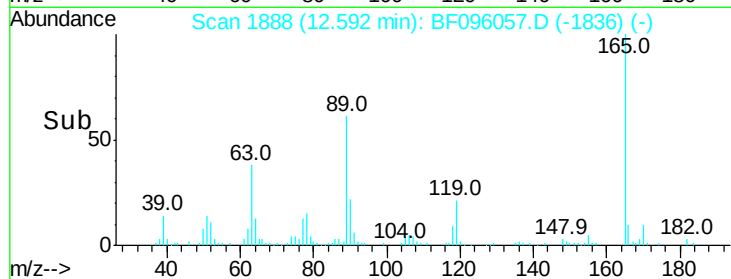
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



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#57
Fluorene
Concen: 50.02 ng
RT: 13.04 min Scan# 1965
Delta R.T. 0.00 min
Lab File: BF096057.D
Acq: 20 Jun 2017 21:52

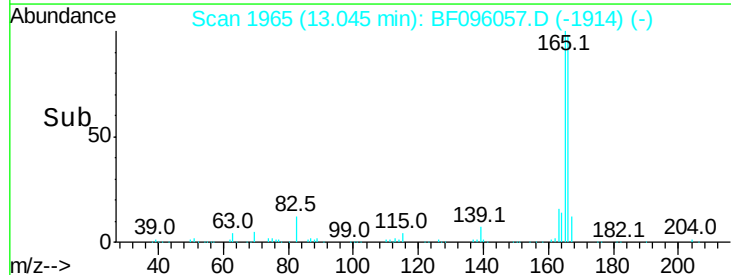
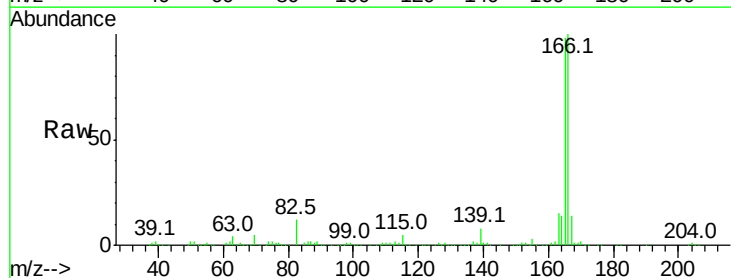
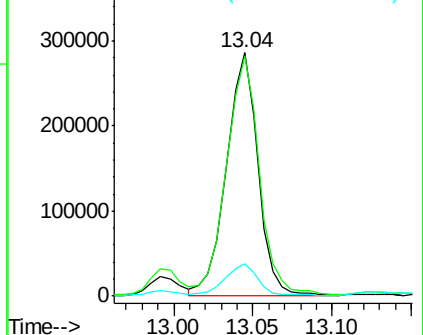
Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	98.5	78.8	118.2	
167	13.6	10.6	16.0	

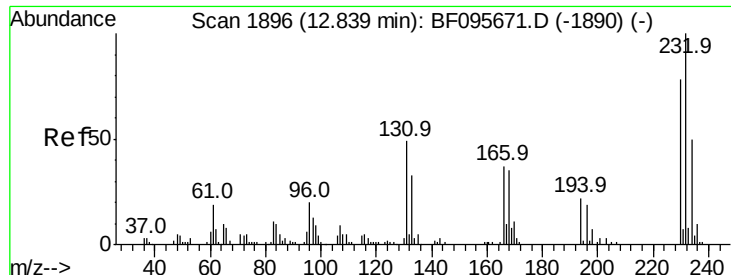
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#58

2,3,4,6-Tetrachlorophenol

Concen: 47.85 ng

RT: 12.75 min Scan# 1915

Delta R.T. 0.01 min

Lab File: BF096057.D

Acq: 20 Jun 2017 21:52

Instrument :

BNA_F

ClientSampleId :

SU-02-061617MSD

Tot Ion:232 Resp: 67701

Ion Ratio Lower Upper

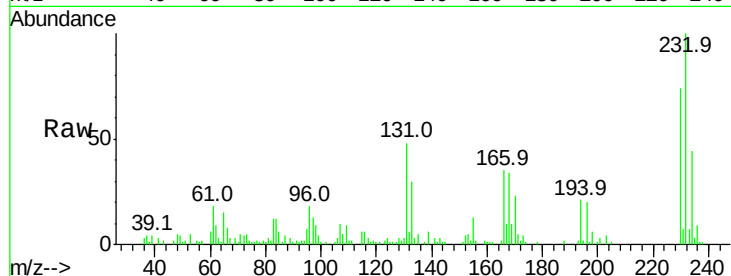
232 100

131 49.0 44.8 67.2

130 2.9 2.3 3.5

166 33.1 29.0 43.4

Manual Integrations
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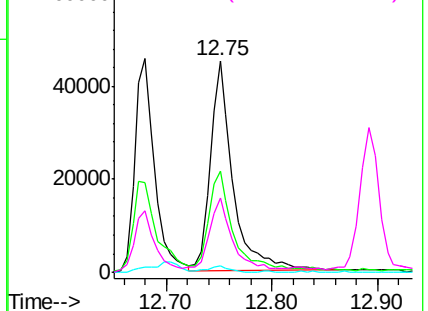


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

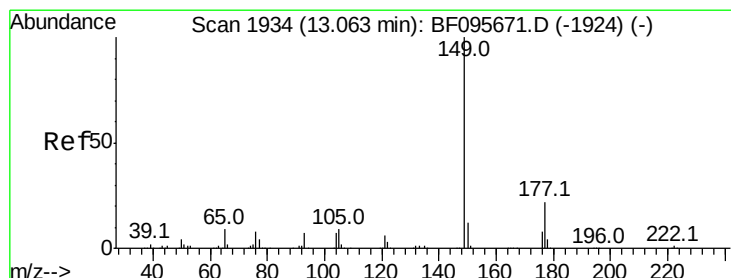
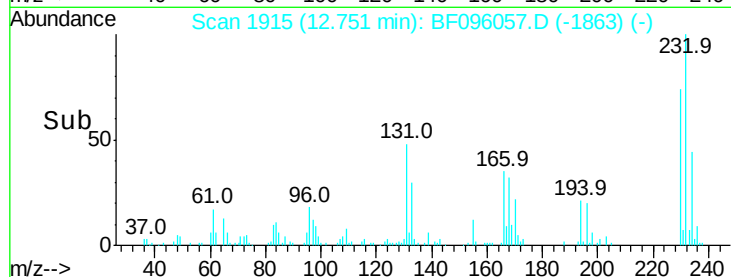
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



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#59

Diethylphthalate

Concen: 48.83 ng

RT: 12.96 min Scan# 1951

Delta R.T. 0.01 min

Lab File: BF096057.D

Acq: 20 Jun 2017 21:52

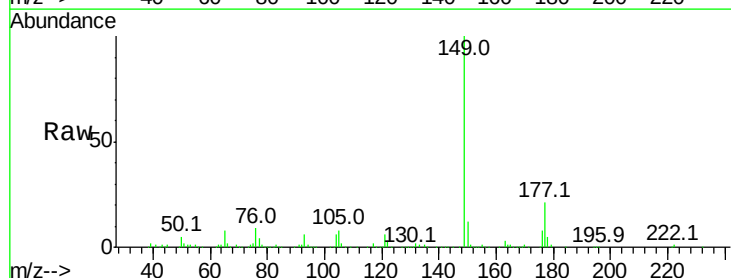
Tgt Ion:149 Resp: 360464

Ion Ratio Lower Upper

149 100

177 21.1 16.7 25.1

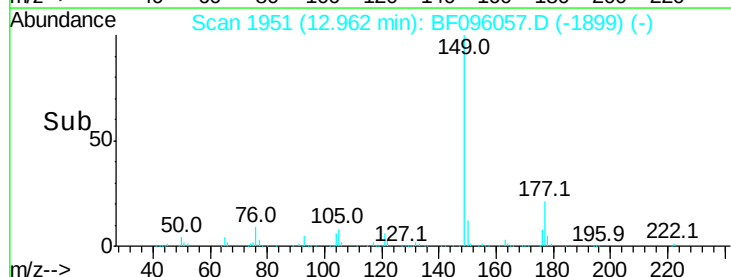
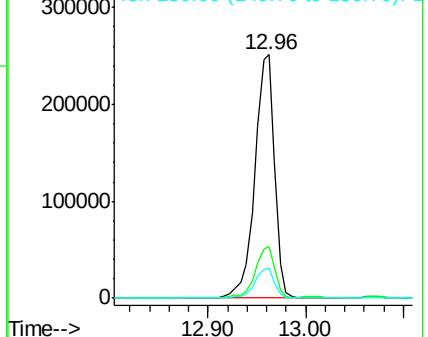
150 12.0 10.2 15.2

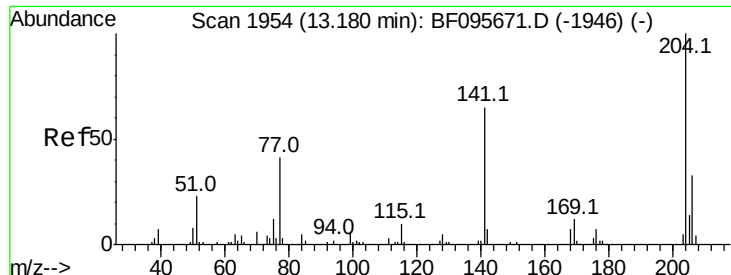


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



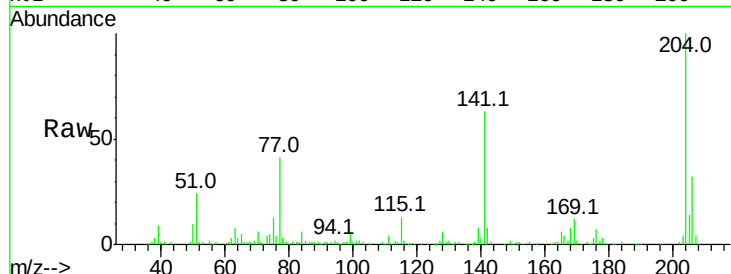


#60
4-Chlorophenyl-phenylether
Concen: 44.24 ng
RT: 13.07 min Scan# 1970
Delta R.T. 0.01 min
Lab File: BF096057.D
Acq: 20 Jun 2017 21:52

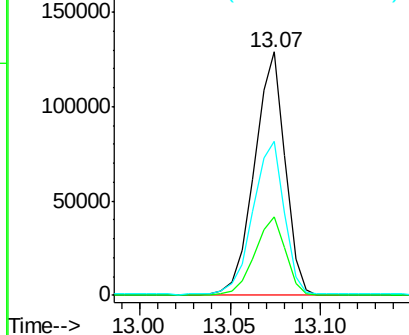
Instrument :
BNA_F
ClientSampleId :
SU-02-061617MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.3	26.2	39.2
141	63.4	60.8	91.2

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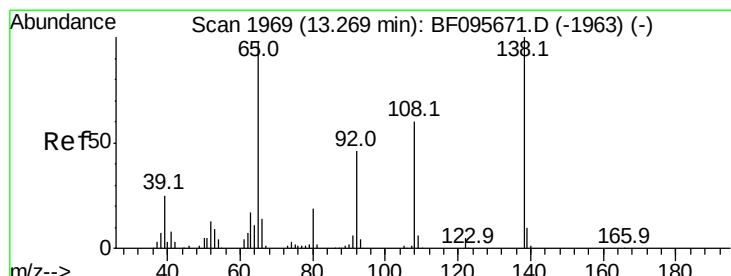
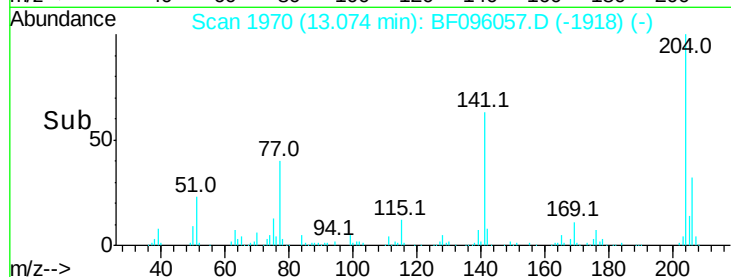


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E



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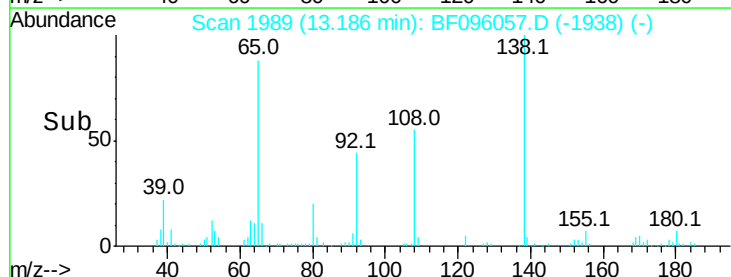
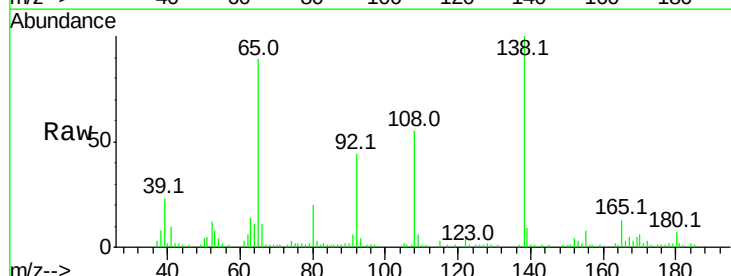
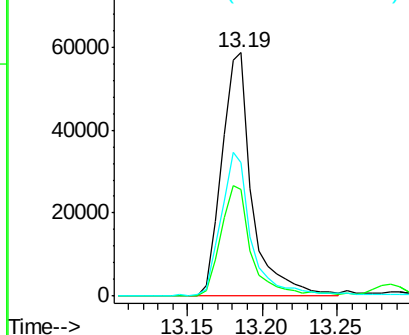
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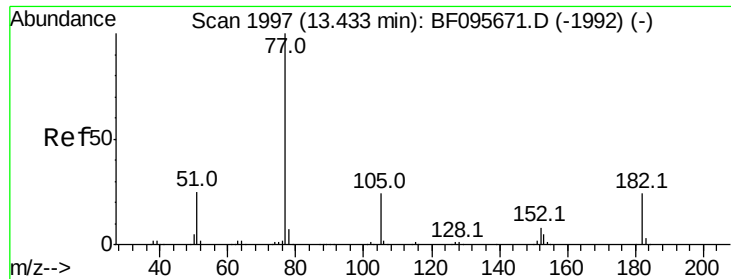


#61
4-Nitroaniline
Concen: 46.03 ng
RT: 13.19 min Scan# 1989
Delta R.T. 0.00 min
Lab File: BF096057.D
Acq: 20 Jun 2017 21:52

Tgt Ion	Ratio	Lower	Upper
138	100		
92	43.9	21.8	61.8
108	55.1	42.3	82.3

Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF0
Ion 108.00 (107.70 to 108.70): E



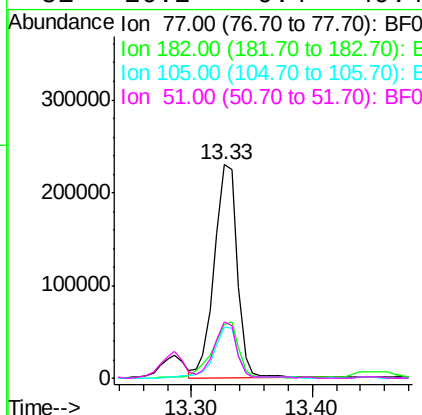
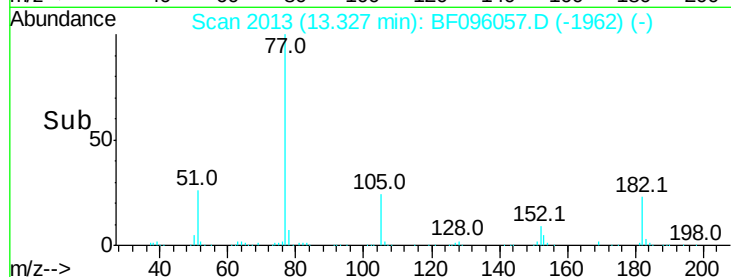
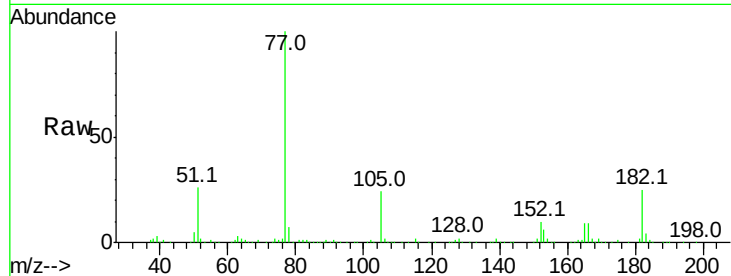


#62
Azobenzene
Concen: 44.79 ng
RT: 13.33 min Scan# 2013
Delta R.T. 0.00 min
Lab File: BF096057.D
Acq: 20 Jun 2017 21:52

Instrument :
BNA_F
ClientSampleId :
SU-02-061617MSD

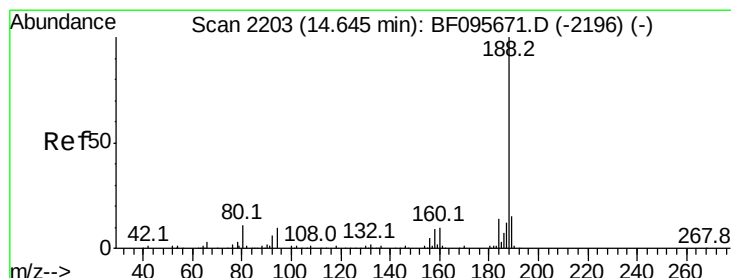
Tot Ion	Ratio	Resp	Lower	Upper
77	100	299717		
182	25.3	0.1	40.1	
105	23.8	3.6	43.6	
51	26.2	9.4	49.4	

Manual Integrations
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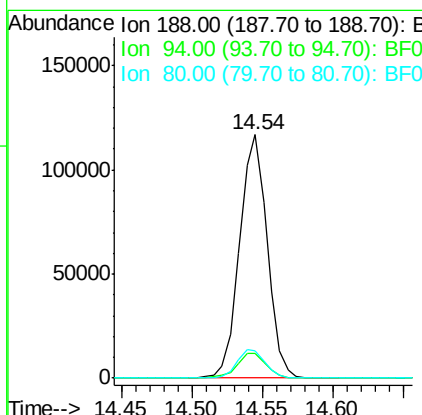
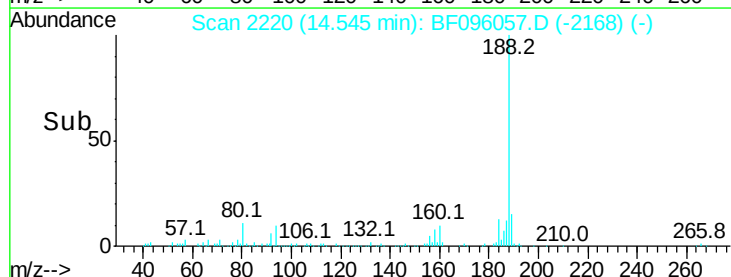
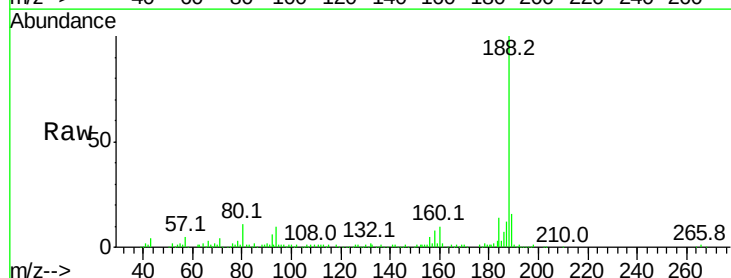
mohammad

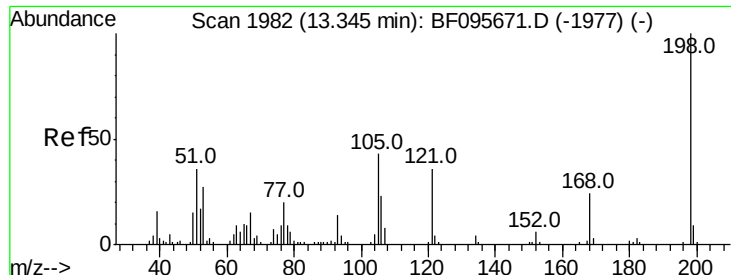
6/21/2017 2:16:54 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.54 min Scan# 2220
Delta R.T. 0.01 min
Lab File: BF096057.D
Acq: 20 Jun 2017 21:52

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	159636		
94	10.4	9.4	14.2	
80	11.3	10.2	15.2	





#64

4,6-Dinitro-2-methylphenol

Concen: 8.35 ng

RT: 13.29 min Scan# 2007

Delta R.T. 0.03 min

Lab File: BF096057.D

Acq: 20 Jun 2017 21:52

Instrument :

BNA_F

ClientSampleId :

SU-02-061617MSD

Tot Ion:198 Resp: 8757

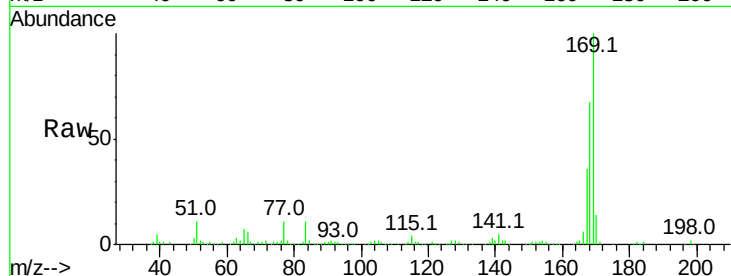
Ion Ratio Lower Upper

198 100

51 499.1 53.2 93.2#

105 69.2 45.8 85.8

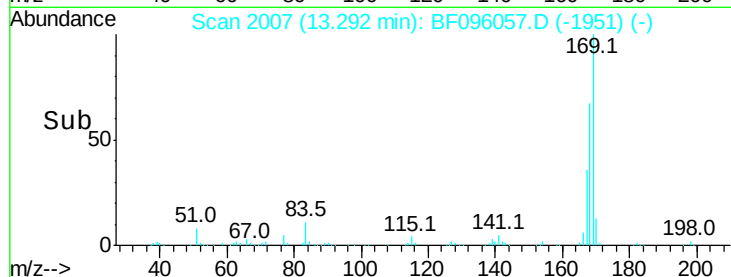
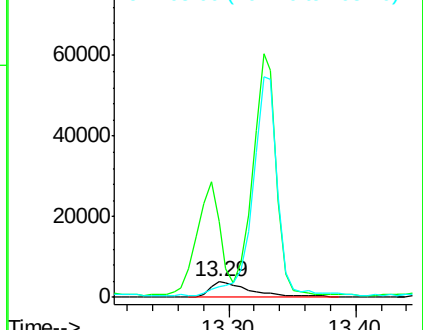
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Abundance Ion 198.00 (197.70 to 198.70): E

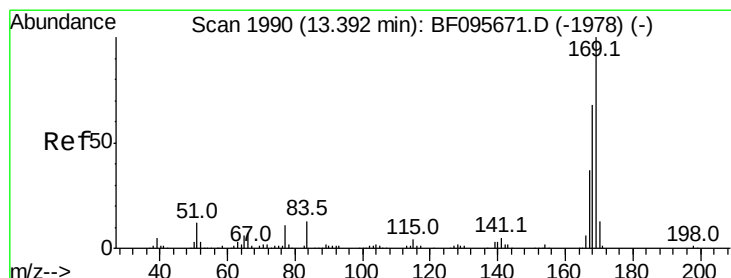
Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



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#65

n-Nitrosodiphenylamine

Concen: 49.49 ng

RT: 13.29 min Scan# 2006

Delta R.T. 0.00 min

Lab File: BF096057.D

Acq: 20 Jun 2017 21:52

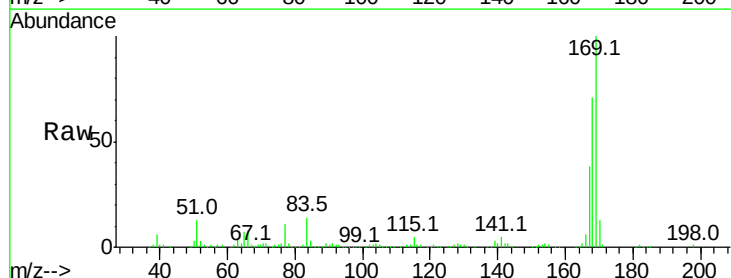
Tgt Ion:169 Resp: 283898

Ion Ratio Lower Upper

169 100

168 70.6 53.2 79.8

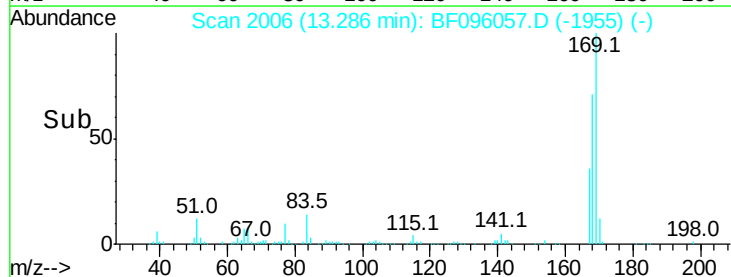
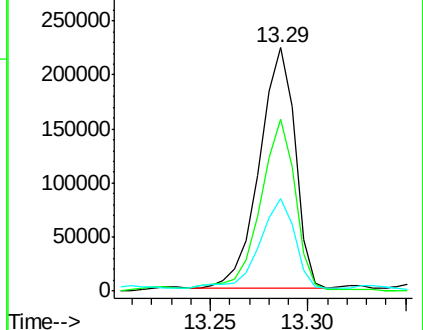
167 37.9 29.5 44.3

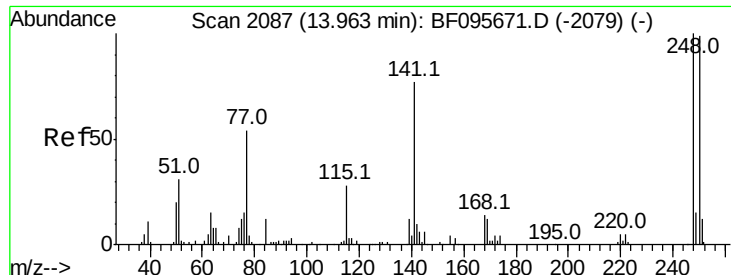


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



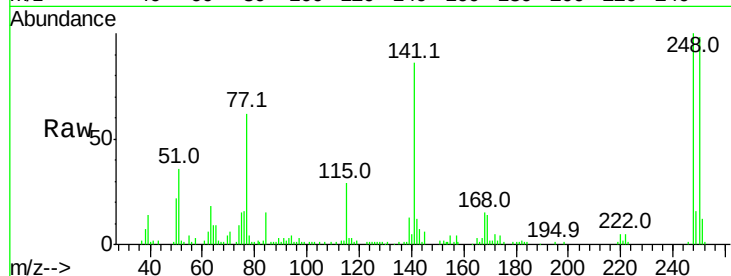


#66
4-Bromophenyl-phenylether
Concen: 48.81 ng
RT: 13.85 min Scan# 2102
Delta R.T. 0.00 min
Lab File: BF096057.D
Acq: 20 Jun 2017 21:52

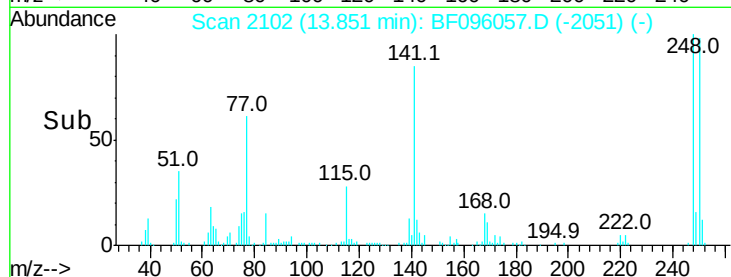
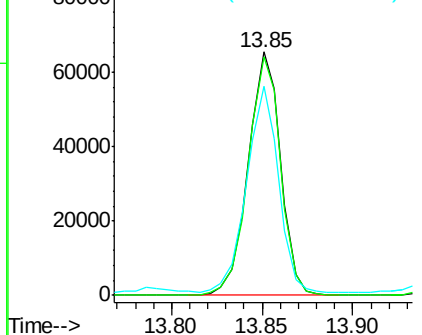
Instrument :
BNA_F
ClientSampleId :
SU-02-061617MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	98.1	76.8	115.2
141	85.9	68.6	103.0

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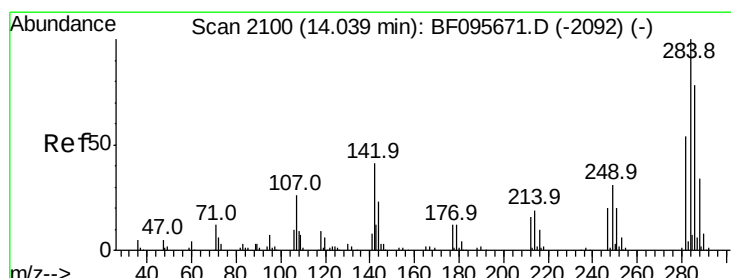


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E



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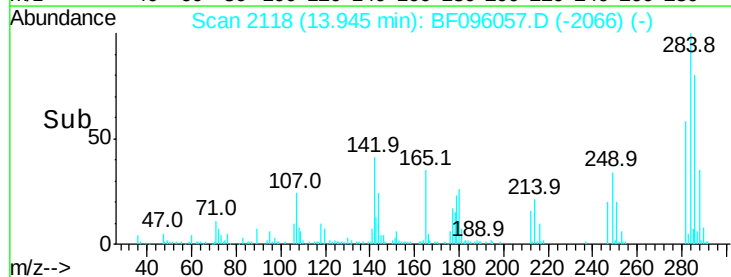
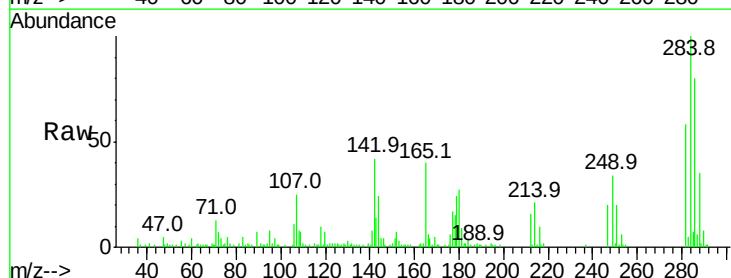
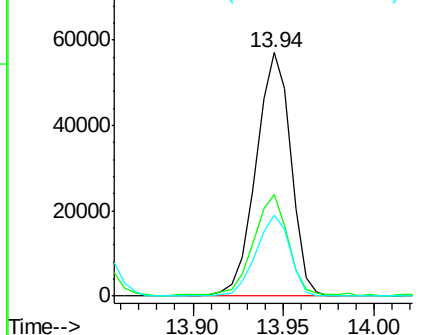
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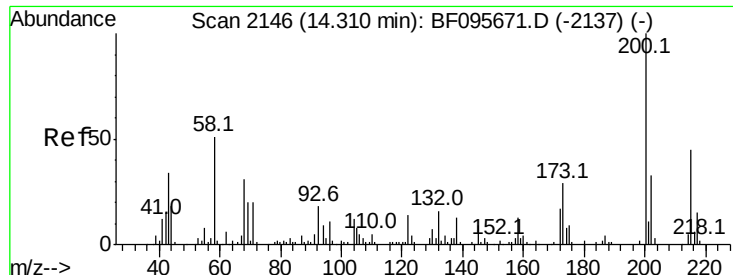


#67
Hexachlorobenzene
Concen: 46.46 ng
RT: 13.94 min Scan# 2118
Delta R.T. 0.01 min
Lab File: BF096057.D
Acq: 20 Jun 2017 21:52

Tgt Ion	Ratio	Lower	Upper
284	100		
142	41.8	22.8	34.2#
249	33.5	24.0	36.0

Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



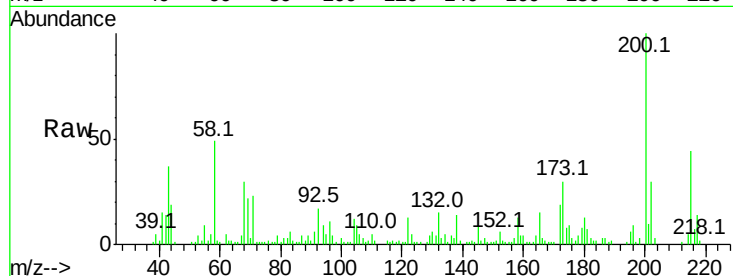


#68
Atrazine
Concen: 48.90 ng
RT: 14.22 min Scan# 2164
Delta R.T. 0.00 min
Lab File: BF096057.D
Acq: 20 Jun 2017 21:52

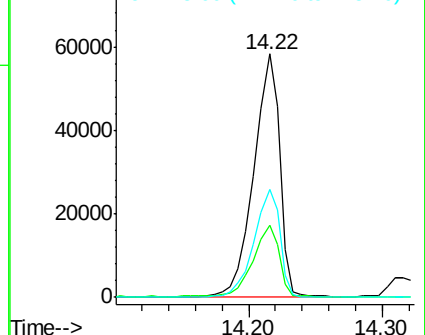
Instrument :
BNA_F
ClientSampleId :
SU-02-061617MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	29.7	6.3	46.3
215	44.4	27.2	67.2

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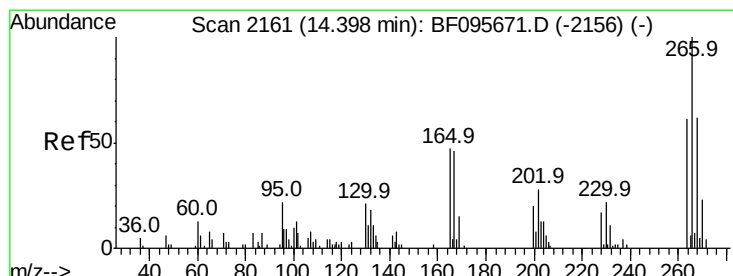
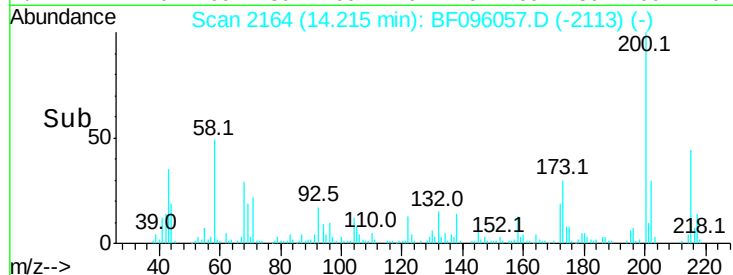


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E



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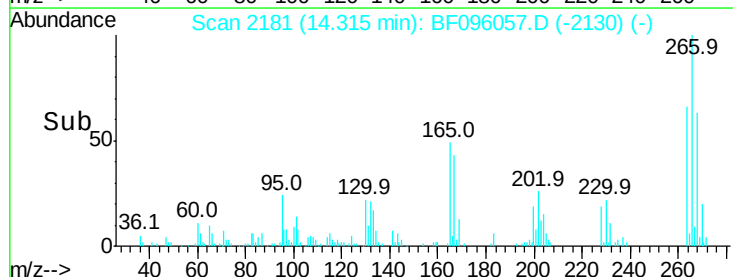
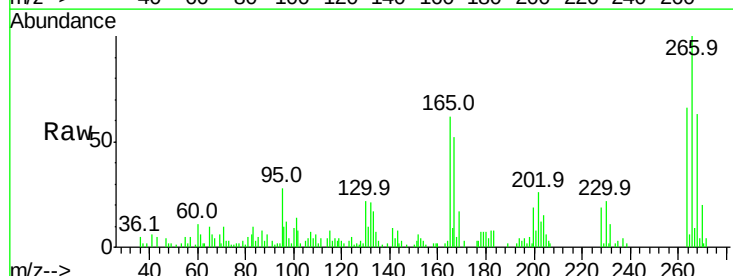
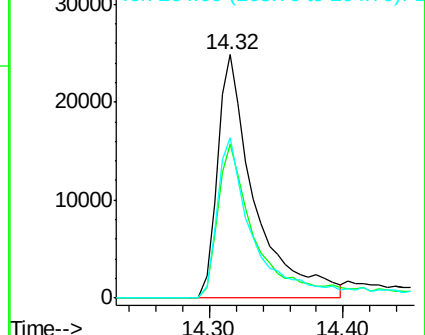
6/21/2017 2:16:54 PM

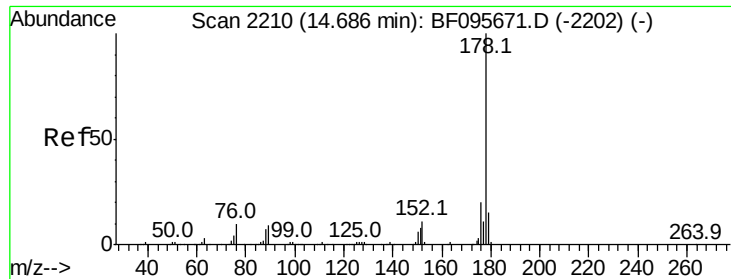


#69
Pentachlorophenol
Concen: 78.00 ng
RT: 14.32 min Scan# 2181
Delta R.T. 0.00 min
Lab File: BF096057.D
Acq: 20 Jun 2017 21:52

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.2	51.1	76.7
264	66.1	51.7	77.5

Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E



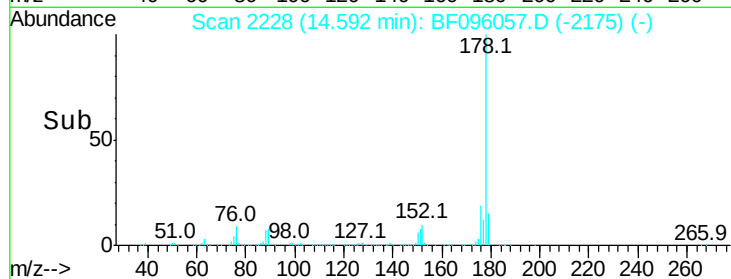
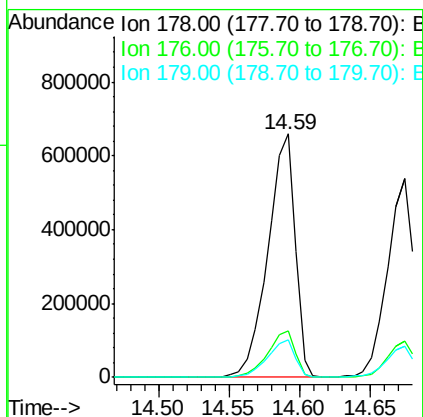
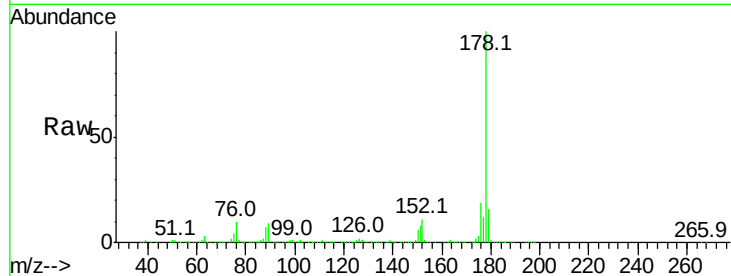


#70
Phenanthrene
Concen: 97.32 ng
RT: 14.59 min Scan# 2228
Delta R.T. 0.01 min
Lab File: BF096057.D
Acq: 20 Jun 2017 21:52

Instrument :
BNA_F
ClientSampleId :
SU-02-061617MSD

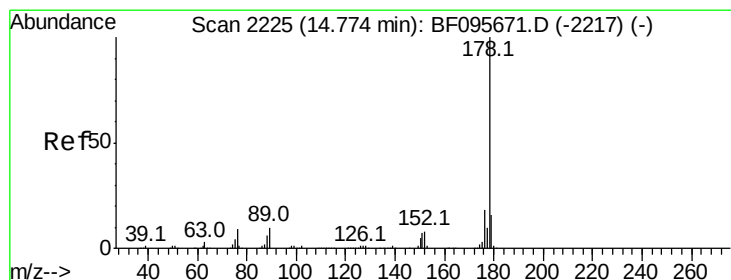
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.2	24.4
179	15.5	12.6	19.0

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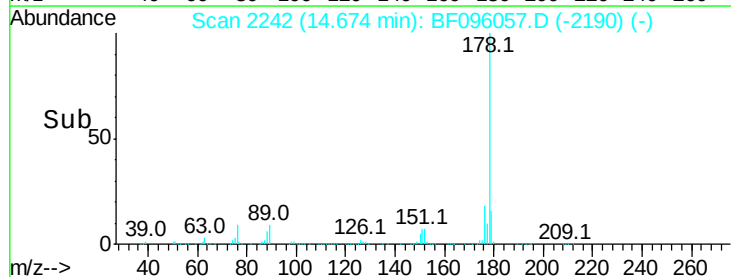
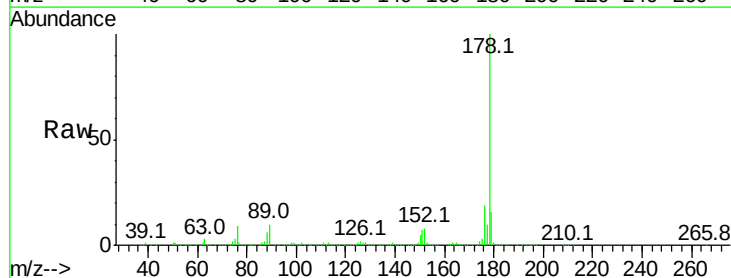
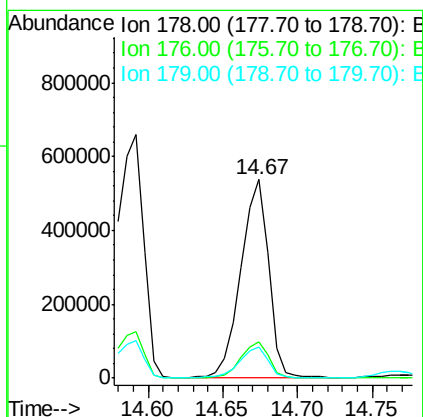
mohammad

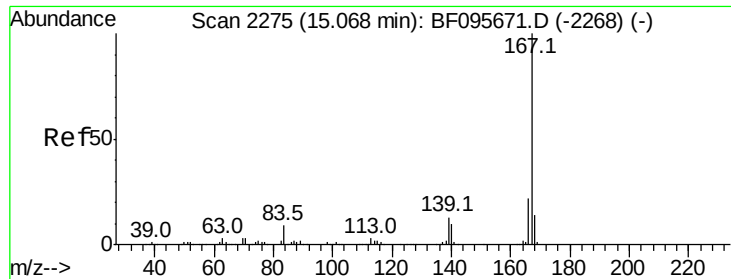
6/21/2017 2:16:54 PM



#71
Anthracene
Concen: 71.70 ng
RT: 14.67 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF096057.D
Acq: 20 Jun 2017 21:52

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	15.8	12.7	19.1





#72

Carbazole

Concen: 44.67 ng

RT: 14.97 min Scan# 2293

Delta R.T. 0.01 min

Lab File: BF096057.D

Acq: 20 Jun 2017 21:52

Instrument :

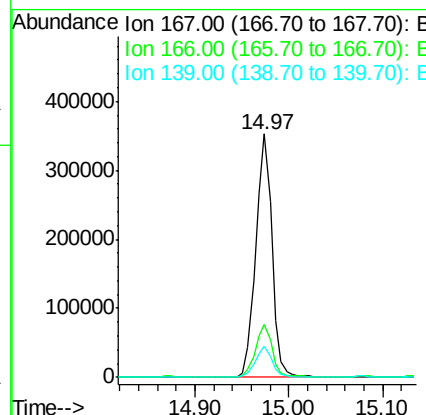
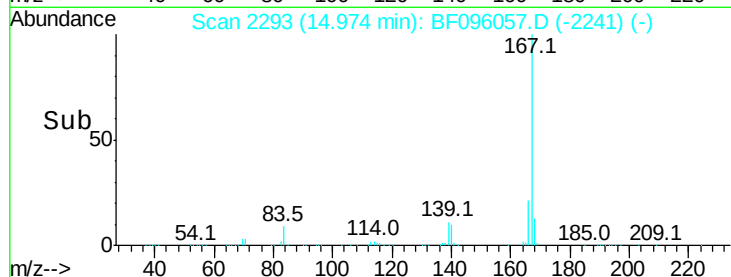
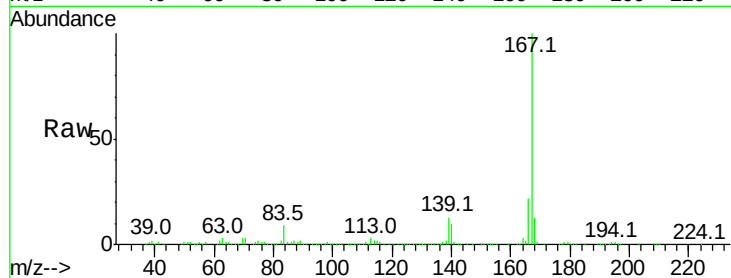
BNA_F

ClientSampleId :

SU-02-061617MSD

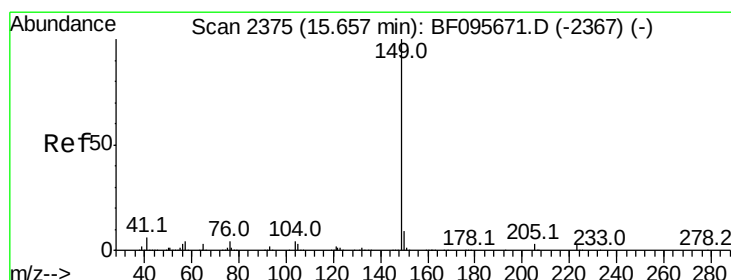
Tot Ion:	167	Resp:	418620
Ion Ratio	Lower	Upper	
167	100		
166	21.6	18.1	27.1
139	12.6	11.7	17.5

Manual Integrations
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#73

Di-n-butylphthalate

Concen: 51.73 ng

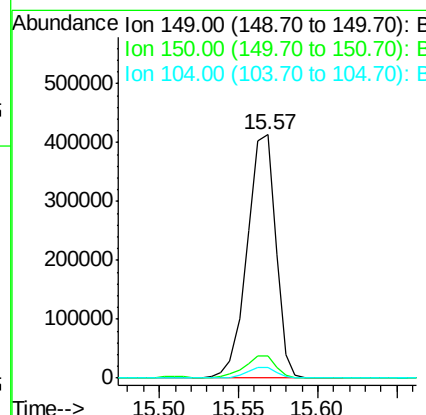
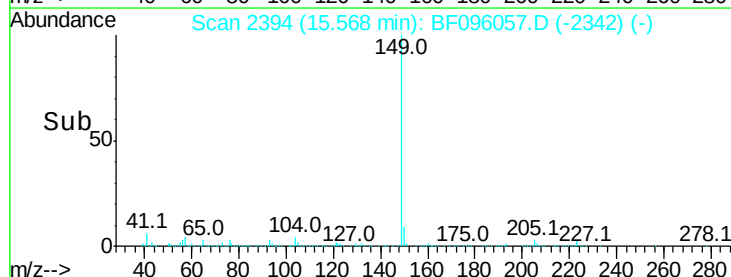
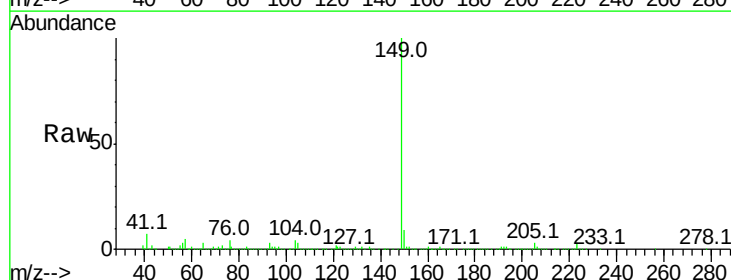
RT: 15.57 min Scan# 2394

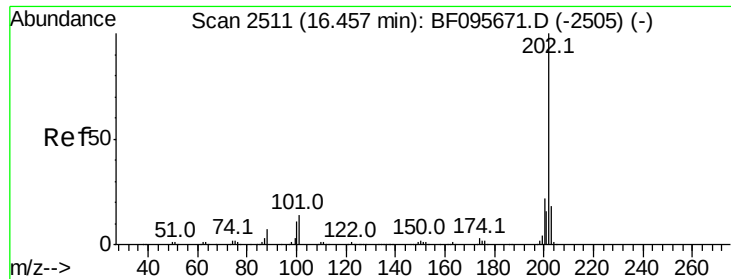
Delta R.T. 0.01 min

Lab File: BF096057.D

Acq: 20 Jun 2017 21:52

Tgt Ion:	149	Resp:	515769
Ion Ratio	Lower	Upper	
149	100		
150	9.1	7.7	11.5
104	4.2	4.0	6.0





#74

Fluoranthene

Concen: 135.90 ng

RT: 16.39 min Scan# 2533

Delta R.T. 0.02 min

Lab File: BF096057.D

Acq: 20 Jun 2017 21:52

Instrument :

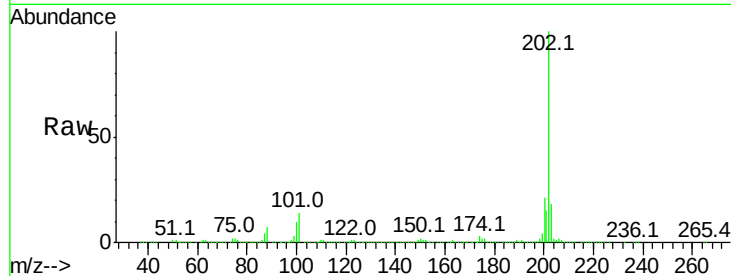
BNA_F

ClientSampleId :

SU-02-061617MSD

Tot Ion:	202	Resp:	1238914
Ion Ratio	Lower	Upper	
202	100		
101	13.8	0.0	33.2
203	17.8	0.0	38.1

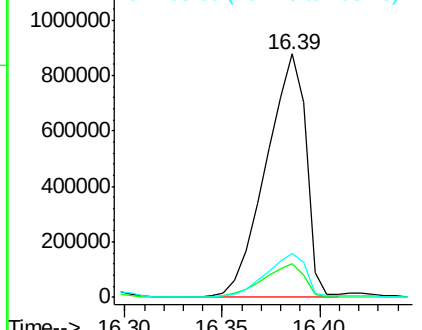
Manual Integrations
APPROVED



Abundance Ion 202.00 (201.70 to 202.70): E

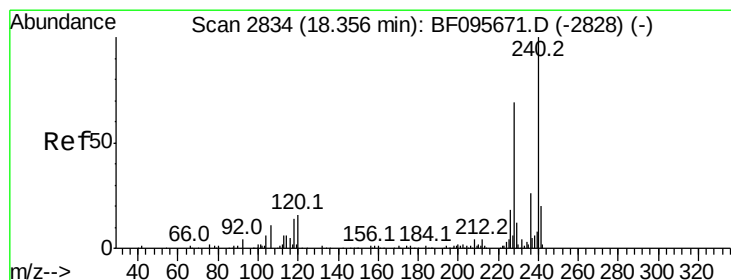
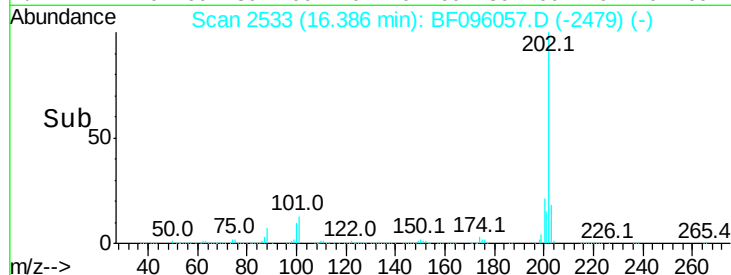
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



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#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.29 min Scan# 2856

Delta R.T. 0.01 min

Lab File: BF096057.D

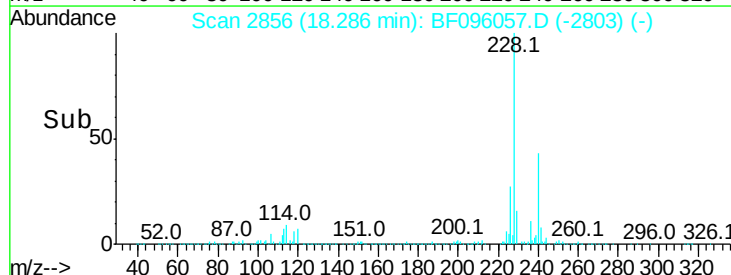
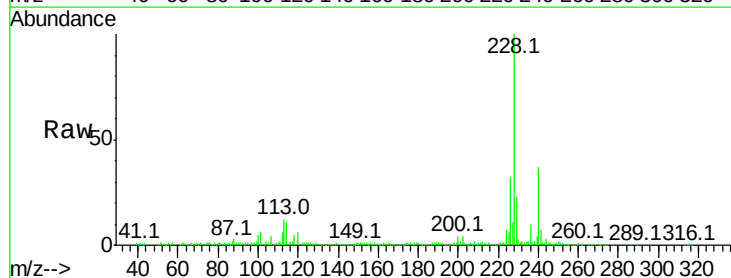
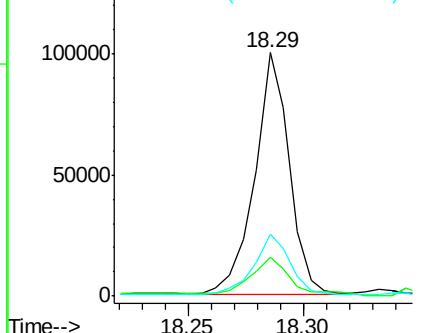
Acq: 20 Jun 2017 21:52

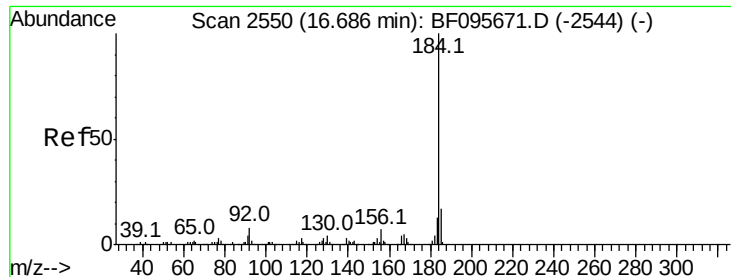
Tgt Ion:	240	Resp:	103804
Ion Ratio	Lower	Upper	
240	100		
120	16.0	5.8	8.8#
236	25.3	20.5	30.7

Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



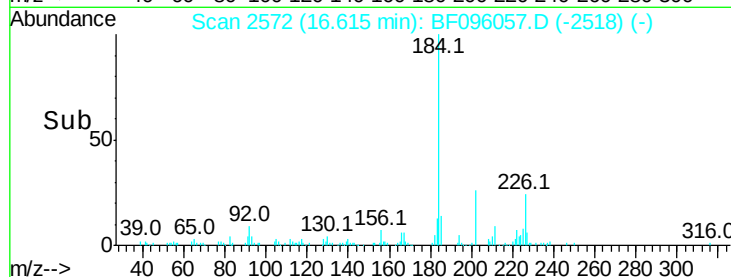
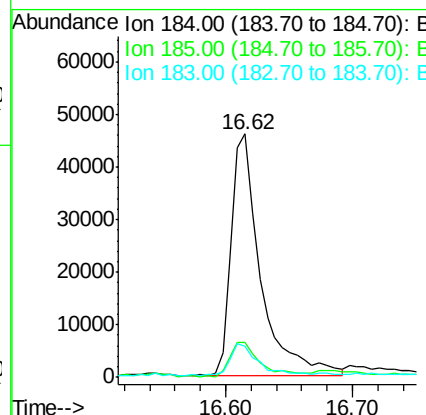
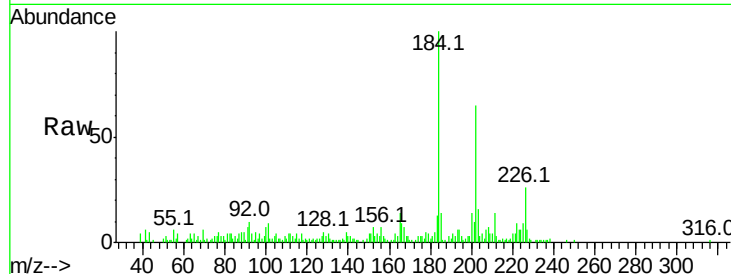


#76
Benzidine
Concen: 18.32 ng
RT: 16.62 min Scan# 2572
Delta R.T. 0.02 min
Lab File: BF096057.D
Acq: 20 Jun 2017 21:52

Instrument :
BNA_F
ClientSampleId :
SU-02-061617MSD

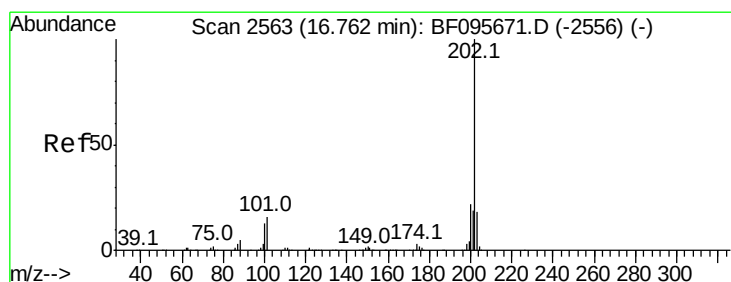
Tot Ion	Ratio	Lower	Upper
184	100		
185	14.2	15.5	23.3#
183	13.0	9.8	14.6

Manual Integrations
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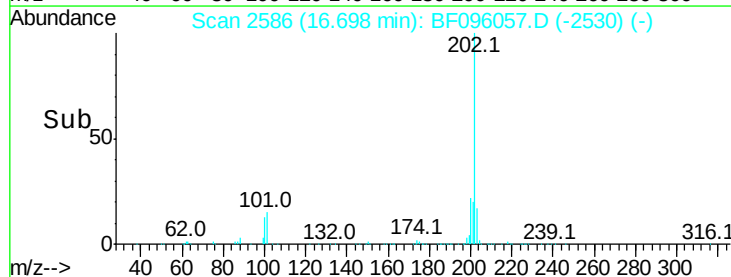
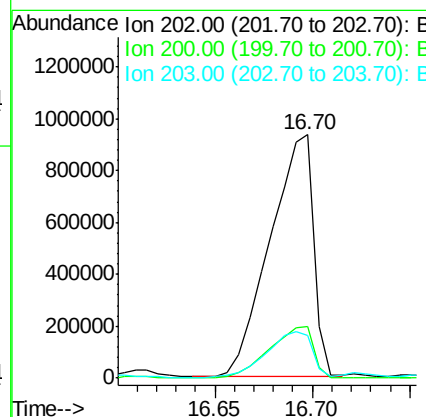
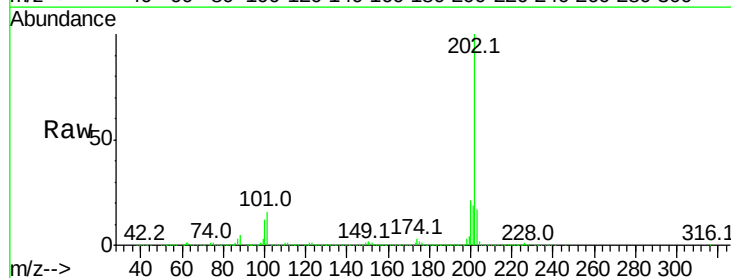
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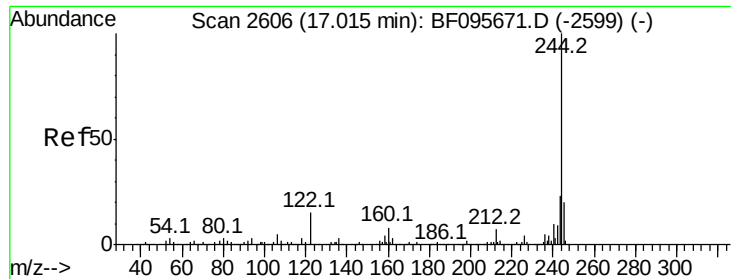
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#77
Pyrene
Concen: 186.70 ng
RT: 16.70 min Scan# 2586
Delta R.T. 0.03 min
Lab File: BF096057.D
Acq: 20 Jun 2017 21:52

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.6	26.4
203	17.4	14.4	21.6





#78

Terphenyl-d14

Concen: 120.90 ng

RT: 16.93 min Scan# 2626

Delta R.T. 0.01 min

Lab File: BF096057.D

Acq: 20 Jun 2017 21:52

Instrument :

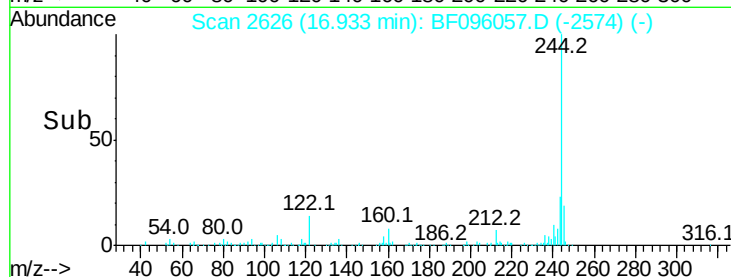
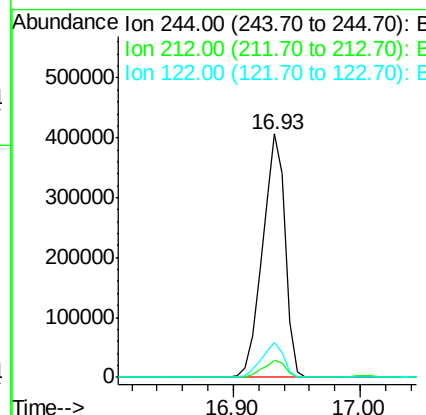
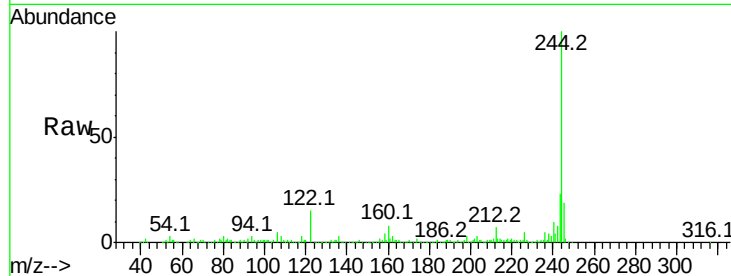
BNA_F

ClientSampleId :

SU-02-061617MSD

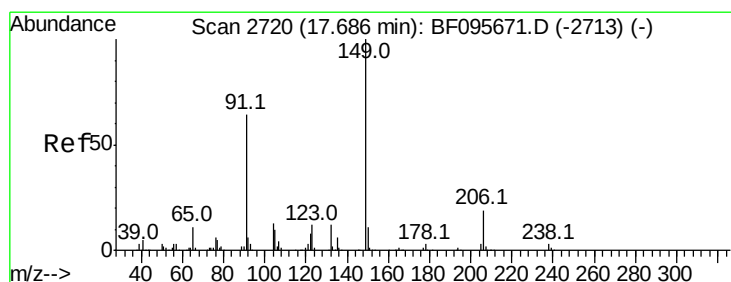
Tot Ion:	244	Resp:	505681
Ion Ratio	Lower	Upper	
244	100		
212	7.2	6.0	9.0
122	14.5	10.3	15.5

Manual Integrations
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#79

Butylbenzylphthalate

Concen: 60.89 ng

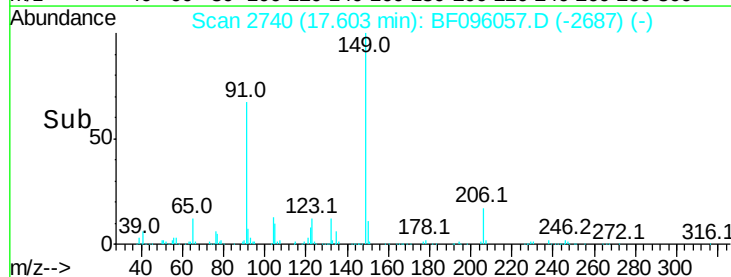
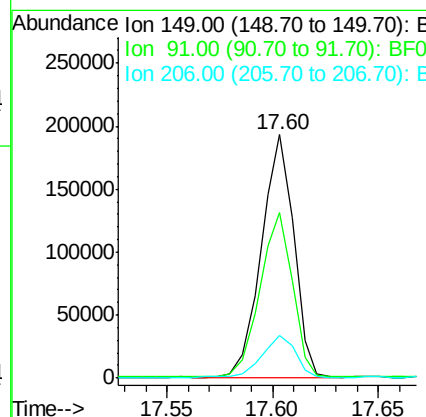
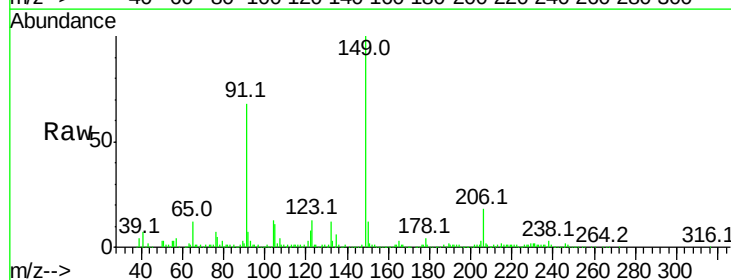
RT: 17.60 min Scan# 2740

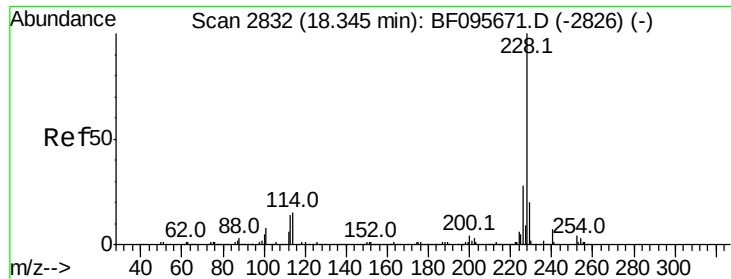
Delta R.T. 0.01 min

Lab File: BF096057.D

Acq: 20 Jun 2017 21:52

Tgt Ion:	149	Resp:	205971
Ion Ratio	Lower	Upper	
149	100		
91	67.8	45.0	67.4#
206	17.5	17.0	25.6



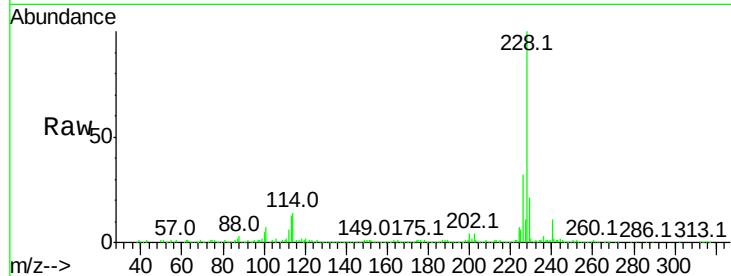


#80
Benzo(a)anthracene
Concen: 122.51 ng
RT: 18.28 min Scan# 2855
Delta R.T. 0.02 min
Lab File: BF096057.D
Acq: 20 Jun 2017 21:52

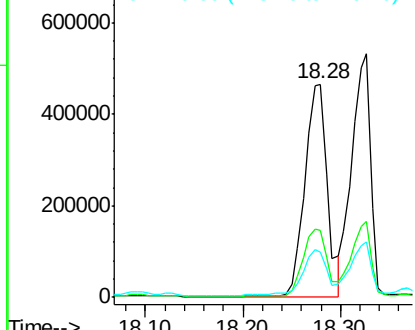
Instrument :
BNA_F
ClientSampleId :
SU-02-061617MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.7	22.6	33.8
229	21.5	16.3	24.5

Manual Integrations
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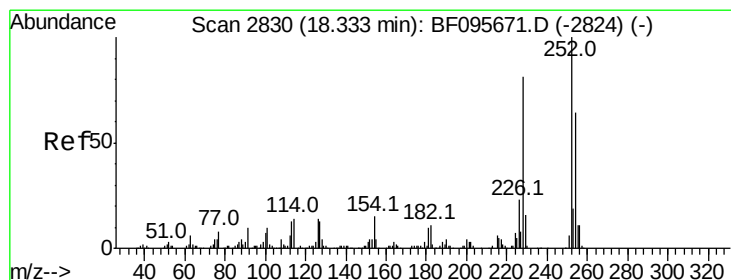
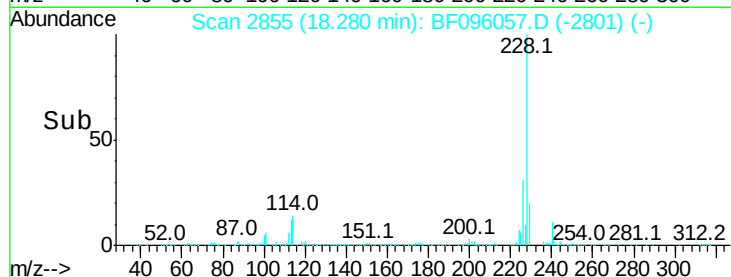


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



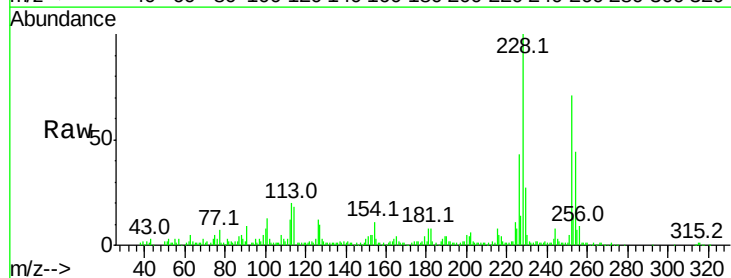
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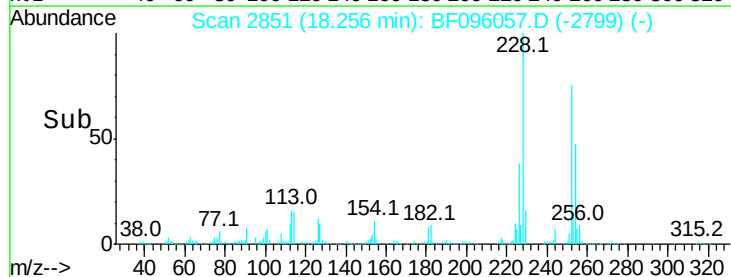
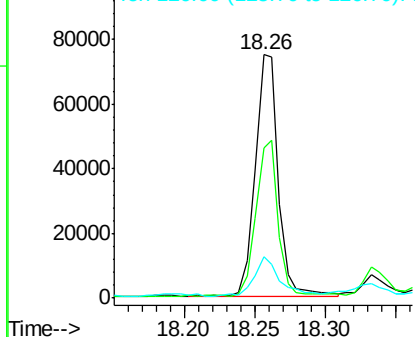


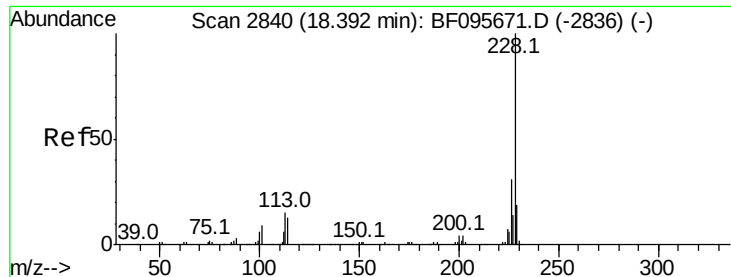
#81
3,3'-Dichlorobenzidine
Concen: 40.04 ng
RT: 18.26 min Scan# 2851
Delta R.T. 0.01 min
Lab File: BF096057.D
Acq: 20 Jun 2017 21:52

Tgt Ion	Ratio	Lower	Upper
252	100		
254	61.9	51.5	77.3
126	16.9	15.8	23.8



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 116.12 ng

RT: 18.33 min Scan# 2863

Delta R.T. 0.02 min

Lab File: BF096057.D

Acq: 20 Jun 2017 21:52

Instrument :

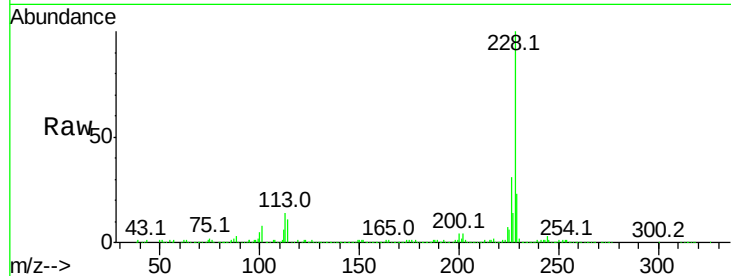
BNA_F

ClientSampleId :

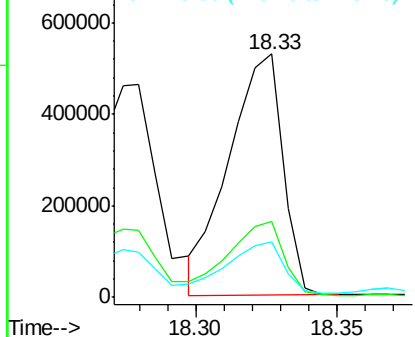
SU-02-061617MSD

Tot Ion:	228	Resp:	700342
Ion Ratio	Lower	Upper	
228	100		
226	31.1	24.9	37.3
229	22.6	15.8	23.6

Manual Integrations
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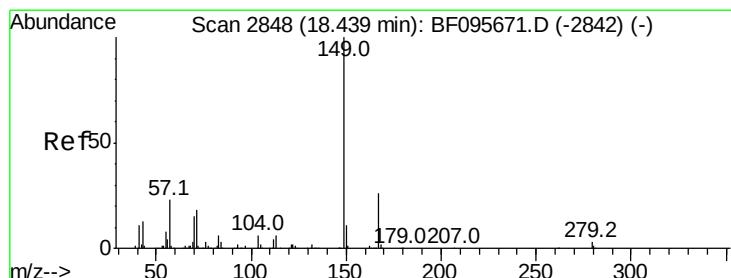
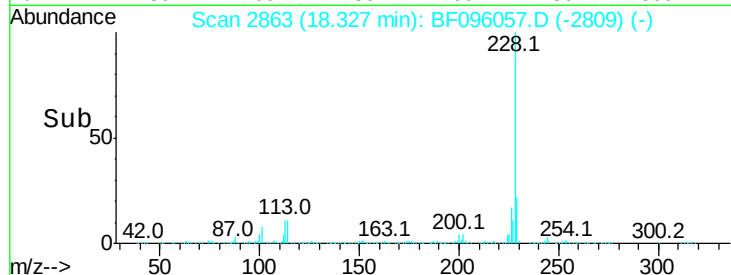


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



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#83

Bis(2-ethylhexyl)phthalate

Concen: 60.05 ng

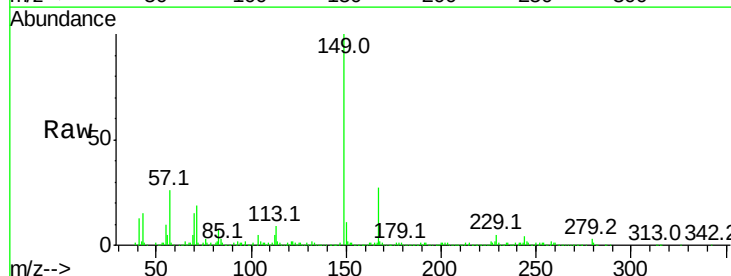
RT: 18.36 min Scan# 2868

Delta R.T. 0.01 min

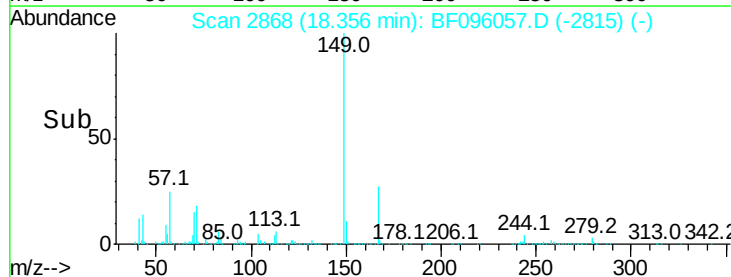
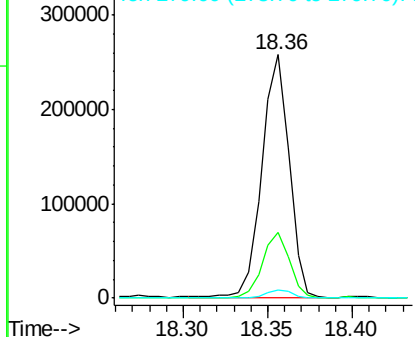
Lab File: BF096057.D

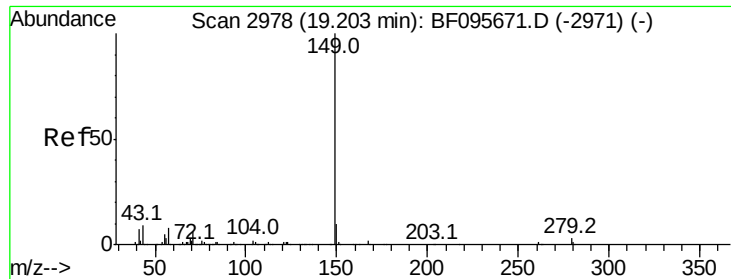
Acq: 20 Jun 2017 21:52

Tgt Ion:	149	Resp:	286554
Ion Ratio	Lower	Upper	
149	100		
167	26.9	21.0	31.4
279	3.2	1.9	2.9#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



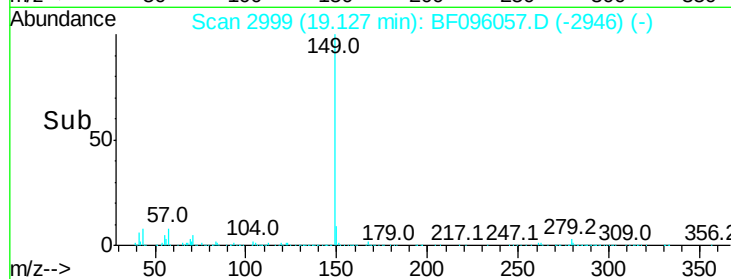
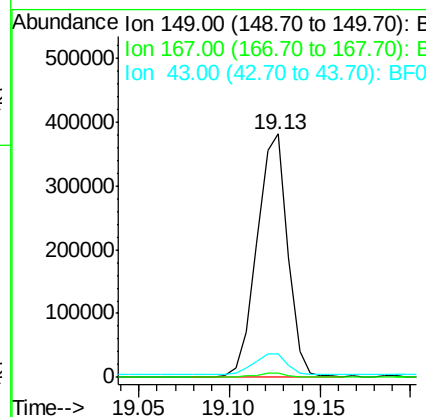
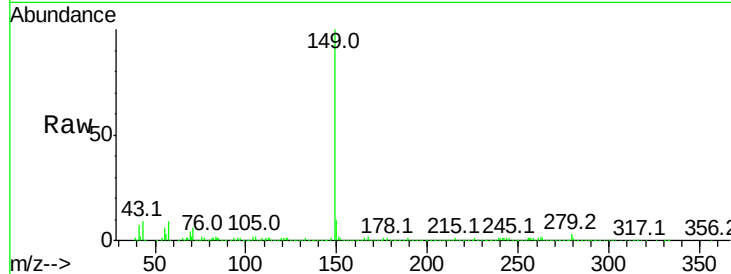


#84
Di-n-octyl phthalate
Concen: 56.67 ng
RT: 19.13 min Scan# 2999
Delta R.T. 0.01 min
Lab File: BF096057.D
Acq: 20 Jun 2017 21:52

Instrument :
BNA_F
ClientSampleId :
SU-02-061617MSD

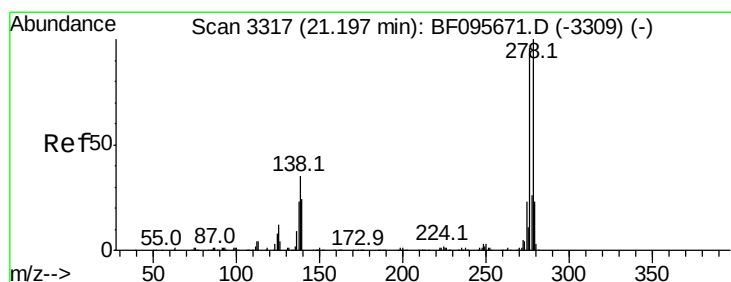
Tot Ion	Ratio	Resp Lower	Upper
149	100		
167	1.6	1.2	1.8
43	9.3	8.5	12.7

Manual Integrations
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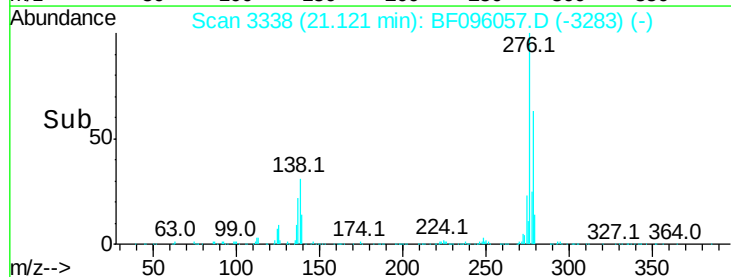
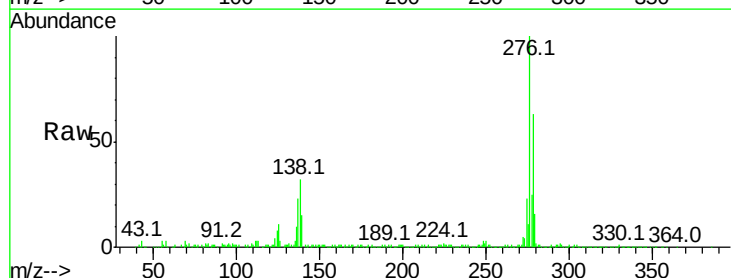
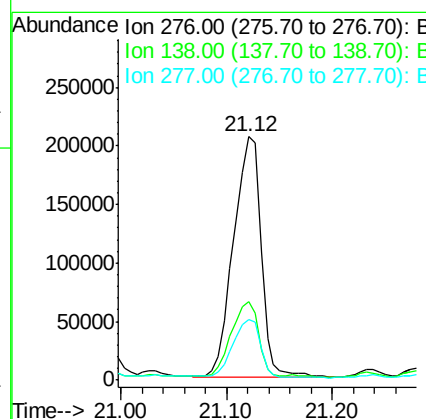
mohammad

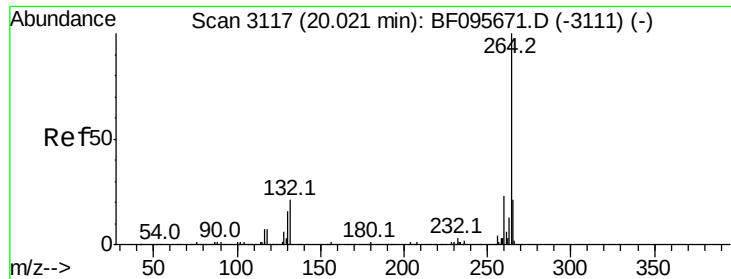
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#85
Indeno(1,2,3-cd)pyrene
Concen: 71.87 ng
RT: 21.12 min Scan# 3338
Delta R.T. 0.02 min
Lab File: BF096057.D
Acq: 20 Jun 2017 21:52

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	33.1	27.8	41.6
277	23.4	20.2	30.4





#86

Pervlene-d12

Concen: 20.00 ng

RT: 19.96 min Scan# 3140

Delta R.T. 0.02 min

Lab File: BF096057.D

Acq: 20 Jun 2017 21:52

Instrument :

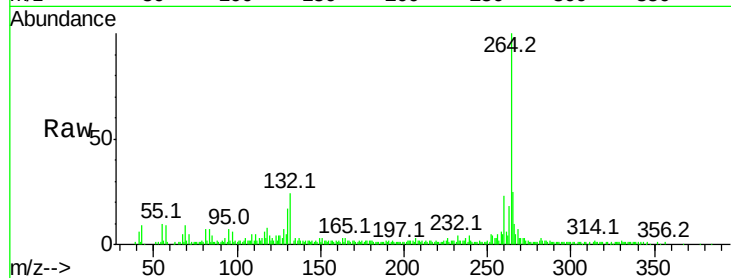
BNA_F

ClientSampleId :

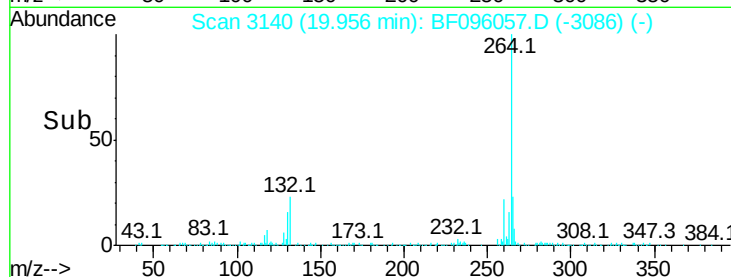
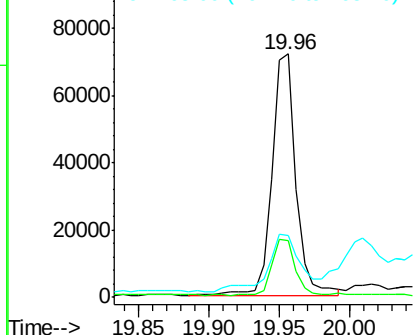
SU-02-061617MSD

Tot Ion:	264	Resp:	84789
Ion Ratio	Lower	Upper	
264	100		
260	23.2	19.5	29.3
265	25.5	17.2	25.8

Manual Integrations
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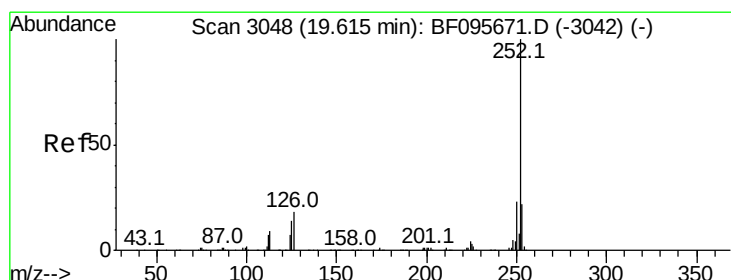


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



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#87

Benzo(b)fluoranthene

Concen: 111.94 ng

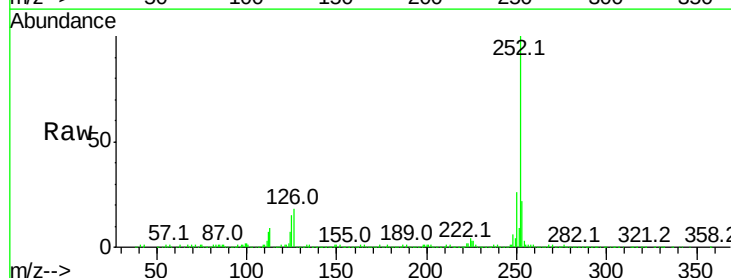
RT: 19.56 min Scan# 3072

Delta R.T. 0.02 min

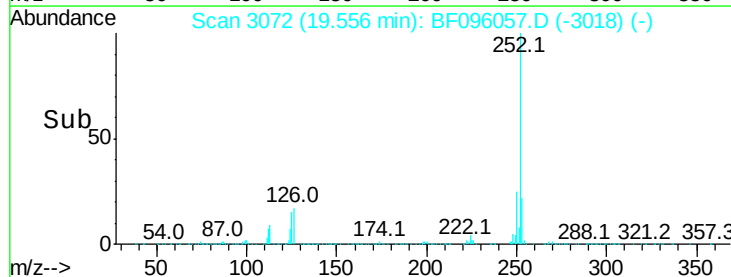
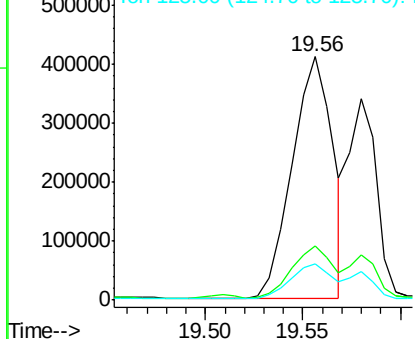
Lab File: BF096057.D

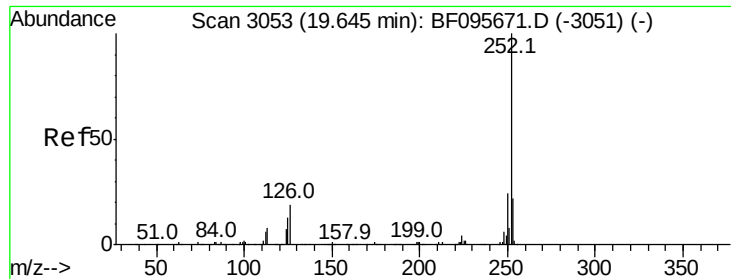
Acq: 20 Jun 2017 21:52

Tgt Ion:	252	Resp:	594301
Ion Ratio	Lower	Upper	
252	100		
253	22.3	18.1	27.1
125	14.8	9.8	14.8#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



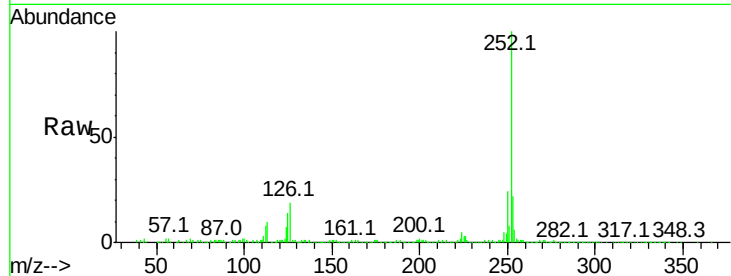


#88
Benzo(k)fluoranthene
Concen: 65.85 ng m
RT: 19.58 min Scan# 3076
Delta R.T. 0.01 min
Lab File: BF096057.D
Acq: 20 Jun 2017 21:52

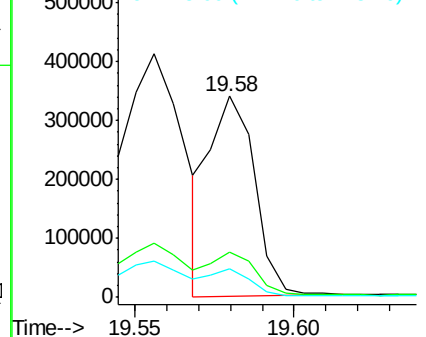
Instrument :
BNA_F
ClientSampleId :
SU-02-061617MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.4	27.6
125	14.5	13.1	19.7

Manual Integrations
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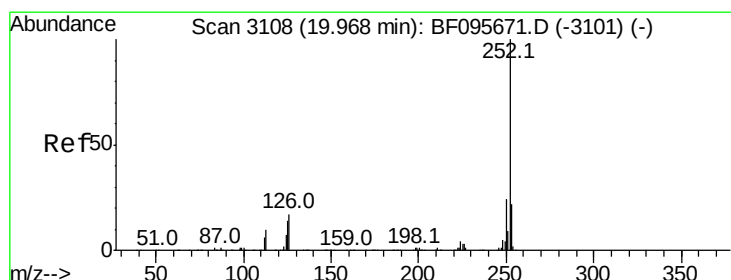
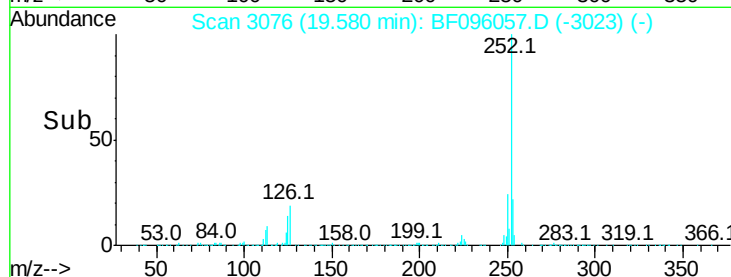


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



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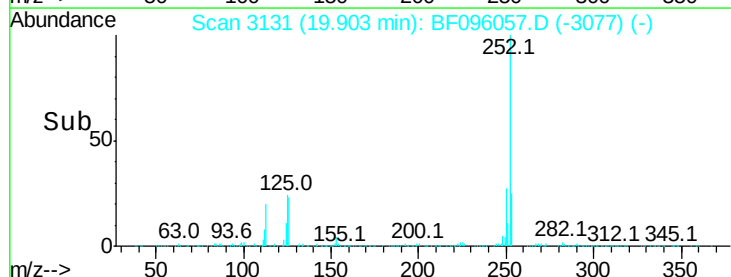
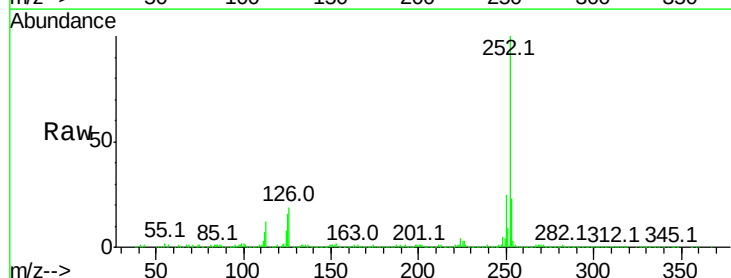
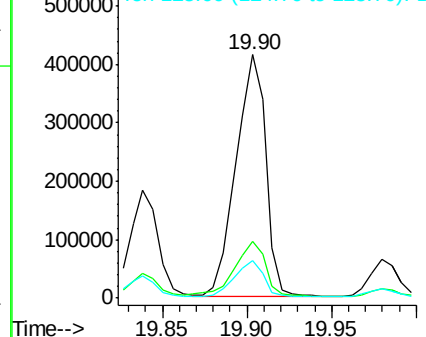
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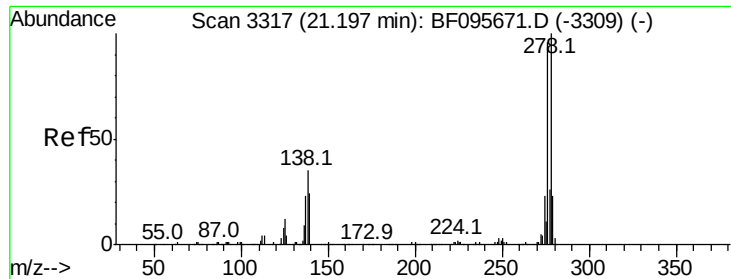


#89
Benzo(a)pyrene
Concen: 103.90 ng
RT: 19.90 min Scan# 3131
Delta R.T. 0.02 min
Lab File: BF096057.D
Acq: 20 Jun 2017 21:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	15.6	11.0	16.4

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



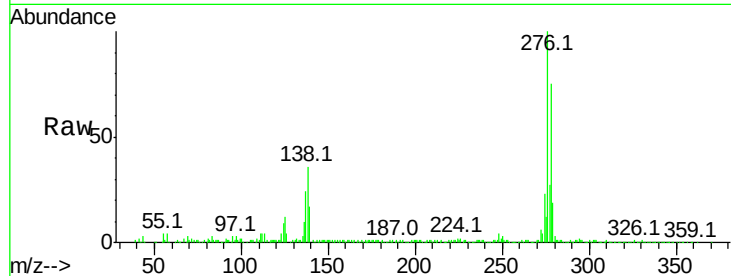


#90
Dibenzo(a,h)anthracene
Concen: 53.49 ng
RT: 21.11 min Scan# 3337
Delta R.T. 0.02 min
Lab File: BF096057.D
Acq: 20 Jun 2017 21:52

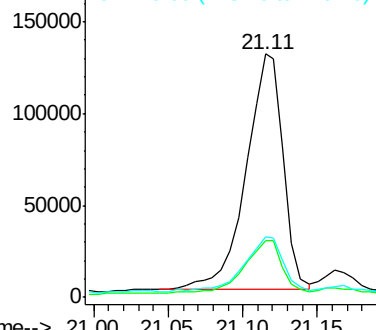
Instrument :
BNA_F
ClientSampleId :
SU-02-061617MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	23.2	16.6	24.8
279	25.1	19.3	28.9

Manual Integrations
APPROVED

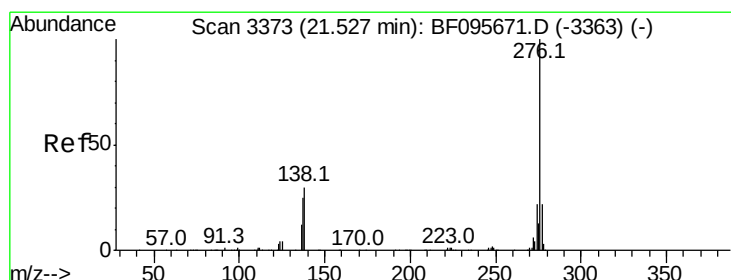
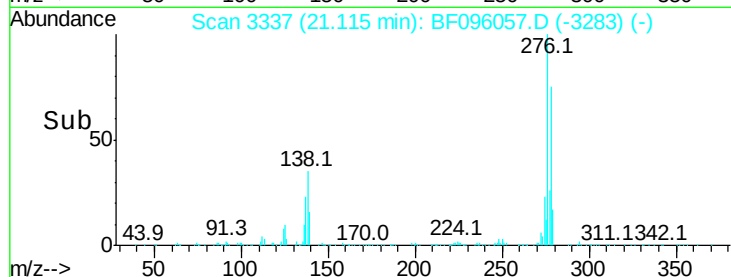


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



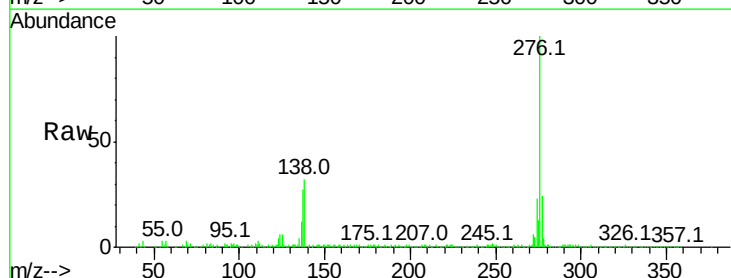
mohammad

6/21/2017 2:16:54 PM



#91
Benzo(g,h,i)perylene
Concen: 81.83 ng
RT: 21.44 min Scan# 3393
Delta R.T. 0.02 min
Lab File: BF096057.D
Acq: 20 Jun 2017 21:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.6	28.0
138	31.8	25.4	38.0



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

