

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062017\
 Data File : BF096061.D
 Acq On : 21 Jun 2017 00:00
 Operator : SJ/MA
 Sample : I3782-03MSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TK4-1-20170619MSD

Manual Integrations
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 6/21/2017 2:17:08 PM

Quant Time: Jun 21 02:16:40 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	73921	20.00	ng	0.00
21) Naphthalene-d8	9.33	136	289664	20.00	ng	0.00
38) Acenaphthene-d10	12.15	164	117712	20.00	ng	0.00
63) Phenanthrene-d10	14.54	188	182656	20.00	ng	0.00
75) Chrysene-d12	18.28	240	124986	20.00	ng	0.00
86) Perylene-d12	19.95	264	101036	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.19	112	609027	131.28	ng	0.01
7) Phenol-d6	6.89	99	679267	122.31	ng	0.01
23) Nitrobenzene-d5	8.22	82	393258	84.32	ng	0.00
41) 2,4,6-Tribromophenol	13.45	330	110594	106.19	ng	0.00
44) 2-Fluorobiphenyl	11.11	172	614386	72.63	ng	0.00
78) Terphenyl-d14	16.93	244	379160	75.29	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.66	88	78203	35.44	ng	91
3) Pyridine	2.19	79	203254	39.19	ng	96
4) n-Nitrosodimethylamine	2.17	42	87861	44.56	ng	82
6) Aniline	6.79	93	238291	32.80	ng	94
8) 2-Chlorophenol	6.99	128	217076	44.01	ng	96
9) Benzaldehyde	6.59	77	123769	33.04	ng	93
10) Phenol	6.90	94	268386	46.59	ng	91
11) bis(2-Chloroethyl)ether	6.95	93	200446	43.92	ng	97
12) 1,3-Dichlorobenzene	7.19	146	235827	42.24	ng	98
13) 1,4-Dichlorobenzene	7.32	146	239825	42.36	ng	97
14) 1,2-Dichlorobenzene	7.55	146	223556	42.83	ng	96
15) Benzyl Alcohol	7.61	79	167455	43.93	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.80	45	281906	43.96	ng	95
17) 2-Methylphenol	7.85	107	179832	43.44	ng	94
18) Hexachloroethane	8.07	117	62383	33.36	ng	89
19) n-Nitroso-di-n-propylamine	8.04	70	151662	43.09	ng	94
20) 3+4-Methylphenols	8.12	107	237021	45.11	ng	# 59
22) Acetophenone	7.99	105	304156	44.86	ng	# 83
24) Nitrobenzene	8.25	77	211465	42.44	ng	93
25) Isophorone	8.65	82	372748	42.80	ng	97
26) 2-Nitrophenol	8.76	139	100323	38.45	ng	97
27) 2,4-Dimethylphenol	8.92	122	188075	46.45	ng	98
28) bis(2-Chloroethoxy)methane	9.03	93	251438	43.80	ng	98
29) 2,4-Dichlorophenol	9.21	162	163151	41.84	ng	96
30) 1,2,4-Trichlorobenzene	9.26	180	174044	42.89	ng	99
31) Naphthalene	9.36	128	608011	41.82	ng	99
32) Benzoic acid	9.29	122	58812	25.88	ng	93
33) 4-Chloroaniline	9.52	127	142385m	25.06	ng	
34) Hexachlorobutadiene	9.58	225	88762	42.34	ng	94
35) Caprolactam	10.16	113	50982m	43.94	ng	
36) 4-Chloro-3-methylphenol	10.41	107	168937	41.39	ng	89
37) 2-Methylnaphthalene	10.49	142	402692	41.00	ng	98
39) 1,2,4,5-Tetrachlorobenzene	10.77	216	155209	44.06	ng	99
40) Hexachlorocyclopentadiene	10.74	237	4100	14.43	ng	97

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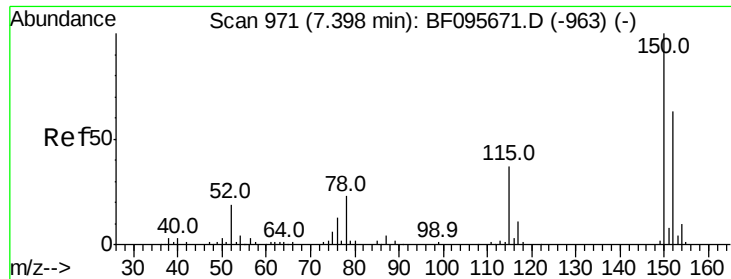
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	11.01	196	103458	45.68	nq	98
43) 2,4,5-Trichlorophenol	11.11	196	101319	42.05	nq	95
45) 1,1'-Biphenyl	11.26	154	434640	44.80	nq	97
46) 2-Chloronaphthalene	11.27	162	324684	42.83	nq	94
47) 2-Nitroaniline	11.50	65	101310	45.67	nq	# 80
48) Acenaphthylene	11.92	152	566966	43.74	nq	97
49) Dimethylphthalate	11.82	163	527330	59.00	nq	98
50) 2,6-Dinitrotoluene	11.92	165	69067	35.43	nq	# 66
51) Acenaphthene	12.20	154	302048	40.35	nq	99
52) 3-Nitroaniline	12.18	138	89260	39.30	nq	87
53) 2,4-Dinitrophenol	12.44	184	8263	13.35	nq	# 79
54) Dibenzofuran	12.49	168	458271	43.49	nq	98
55) 4-Nitrophenol	12.62	139	81358	62.43	nq	# 82
56) 2,4-Dinitrotoluene	12.59	165	93362	35.46	nq	96
57) Fluorene	13.04	166	367833	40.12	nq	98
58) 2,3,4,6-Tetrachlorophenol	12.75	232	69585	42.21	nq	# 94
59) Diethylphthalate	12.96	149	381831	44.39	nq	99
60) 4-Chlorophenyl-phenylether	13.07	204	164668	41.30	nq	# 86
61) 4-Nitroaniline	13.18	138	88079	41.53	nq	96
62) Azobenzene	13.33	77	325048	41.70	nq	94
64) 4,6-Dinitro-2-methylphenol	13.29	198	11280	9.40	nq	# 1
65) n-Nitrosodiphenylamine	13.29	169	300672	45.81	nq	98
66) 4-Bromophenyl-phenylether	13.85	248	88556	46.65	nq	98
67) Hexachlorobenzene	13.94	284	82660	44.19	nq	# 89
68) Atrazine	14.21	200	76087	41.65	nq	94
69) Pentachlorophenol	14.31	266	43607	63.01	nq	97
70) Phenanthrene	14.58	178	600113	56.94	nq	98
71) Anthracene	14.67	178	519064	47.18	nq	98
72) Carbazole	14.97	167	432122	40.30	nq	97
73) Di-n-butylphthalate	15.56	149	557593	48.88	nq	98
74) Fluoranthene	16.37	202	677632	64.96	nq	99
76) Benzidine	16.60	184	166884	34.77	nq	# 93
77) Pyrene	16.67	202	691705	74.17	nq	98
79) Butylbenzylphthalate	17.60	149	204788	50.28	nq	# 86
80) Benzo(a)anthracene	18.27	228	440016	60.55	nq	98
81) 3,3'-Dichlorobenzidine	18.25	252	104015	40.26	nq	# 96
82) Chrysene	18.31	228	414070	57.02	nq	98
83) Bis(2-ethylhexyl)phthalate	18.35	149	308971	53.78	nq	# 100
84) Di-n-octyl phthalate	19.12	149	452836	47.83	nq	100
85) Indeno(1,2,3-cd)pyrene	21.11	276	292384	47.06	nq	97
87) Benzo(b)fluoranthene	19.54	252	382840	60.51	nq	99
88) Benzo(k)fluoranthene	19.57	252	307038	50.77	nq	97
89) Benzo(a)pyrene	19.90	252	336786	57.92	nq	99
90) Dibenzo(a,h)anthracene	21.11	278	219667	44.53	nq	96
91) Benzo(g,h,i)perylene	21.44	276	257440	51.19	nq	96

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



#1

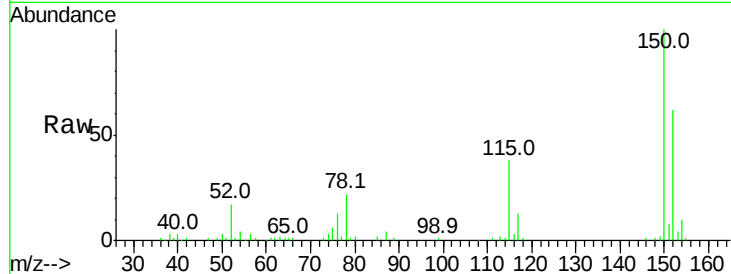
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.29 min Scan# 987
Delta R.T. -0.00 min
Lab File: BF096061.D
Acq: 21 Jun 2017 00:00

Instrument :
BNA_F
ClientSampleId :
TK4-1-20170619MSD

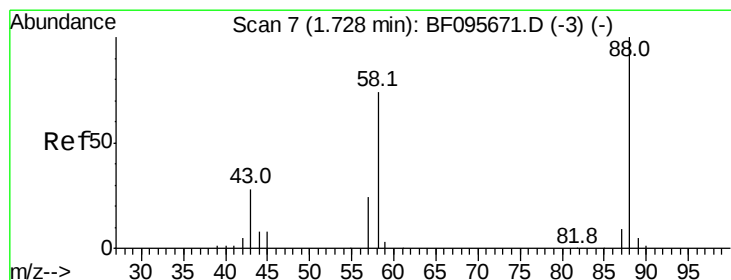
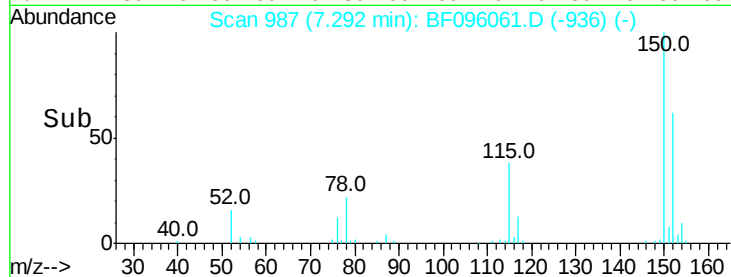
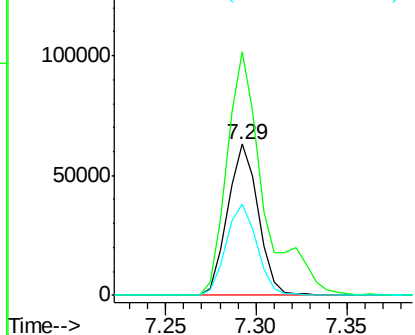
Tot Ion	Ratio	Lower	Upper
152	100		
150	161.1	126.2	189.2
115	60.6	52.2	78.2

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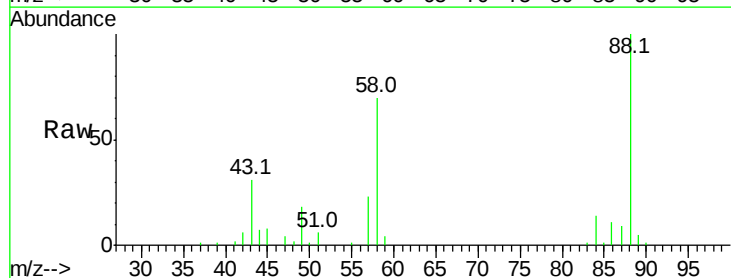
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



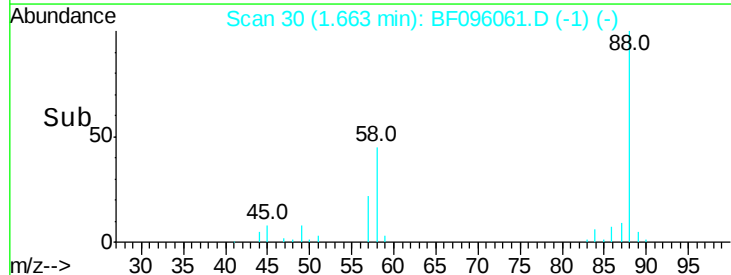
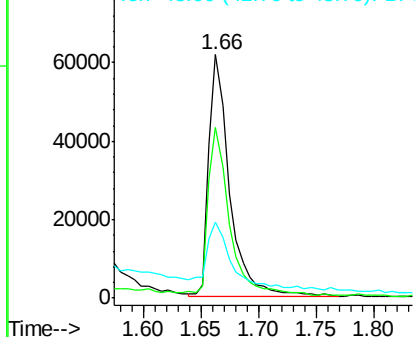
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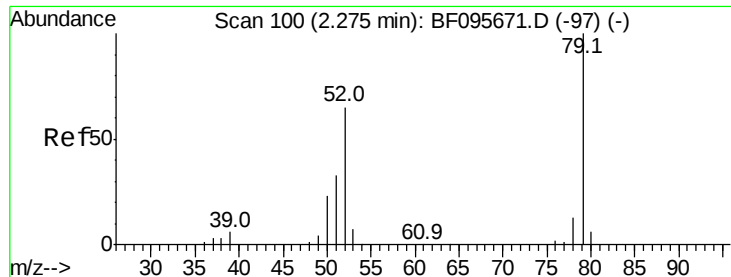
1,4-Dioxane
Concen: 35.44 ng
RT: 1.66 min Scan# 30
Delta R.T. 0.05 min
Lab File: BF096061.D
Acq: 21 Jun 2017 00:00

Tgt Ion	Ratio	Lower	Upper
88	100		
58	69.6	61.4	92.0
43	34.4	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: 39.19 ng

RT: 2.19 min Scan# 120

Delta R.T. 0.06 min

Lab File: BF096061.D

Acq: 21 Jun 2017 00:00

Instrument :

BNA_F

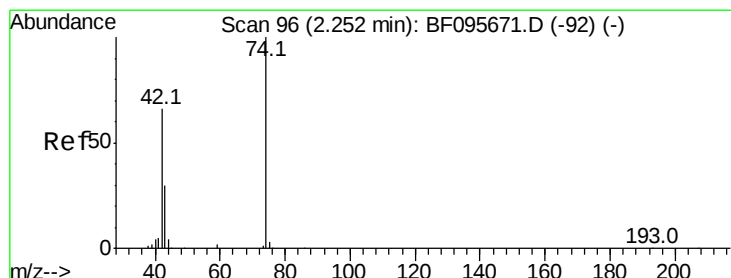
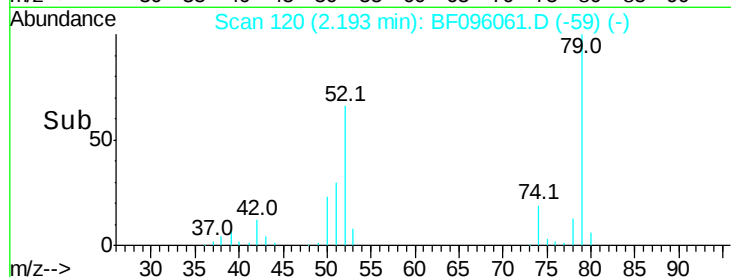
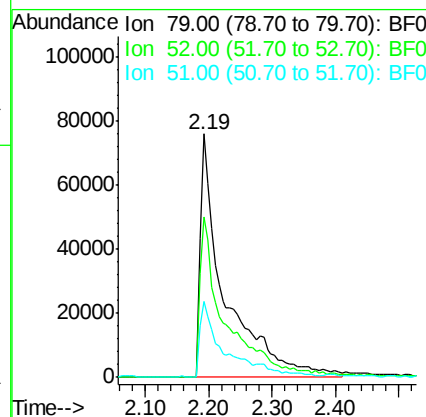
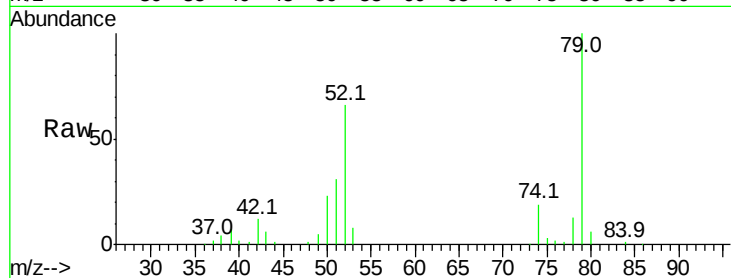
ClientSampleId :

TK4-1-20170619MSD

Tot Ion:	79	Resp:	203254
Ion Ratio	Lower	Upper	
79	100		
52	65.8	54.8	82.2
51	31.2	27.0	40.4

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#4

n-Nitrosodimethylamine

Concen: 44.56 ng

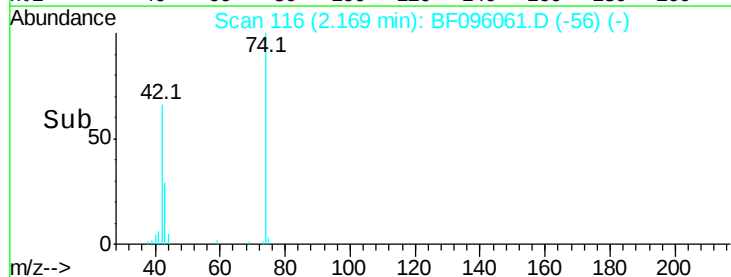
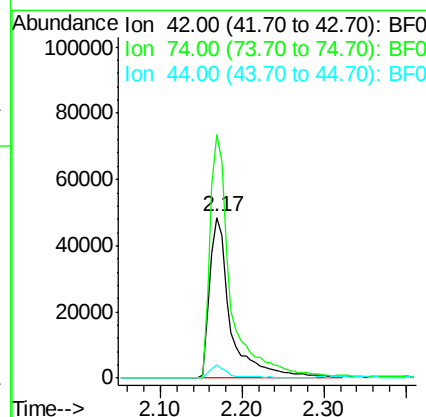
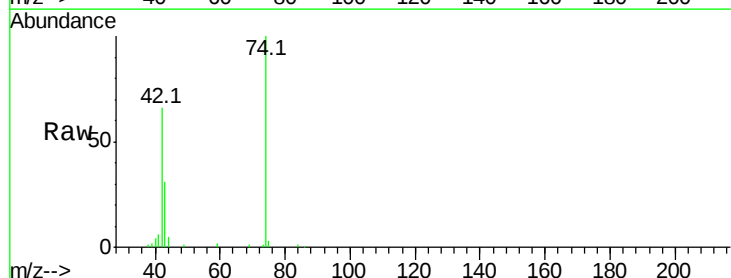
RT: 2.17 min Scan# 116

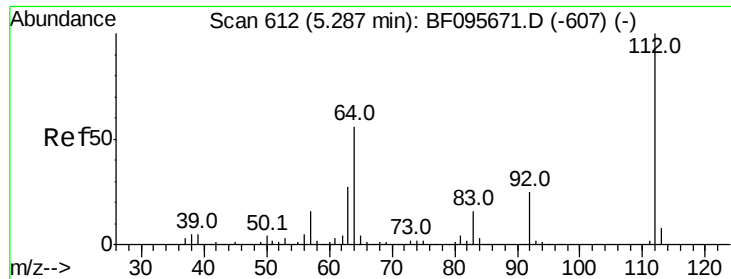
Delta R.T. 0.05 min

Lab File: BF096061.D

Acq: 21 Jun 2017 00:00

Tgt Ion:	42	Resp:	87861
Ion Ratio	Lower	Upper	
42	100		
74	151.7	103.9	155.9
44	7.9	5.7	8.5





#5

2-Fluorophenol

Concen: 131.28 ng

RT: 5.19 min Scan# 630

Delta R.T. 0.01 min

Lab File: BF096061.D

Acq: 21 Jun 2017 00:00

Instrument :

BNA_F

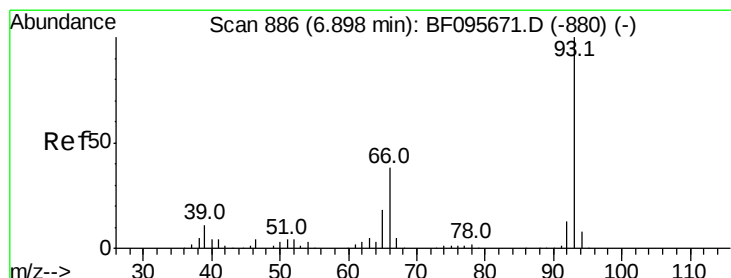
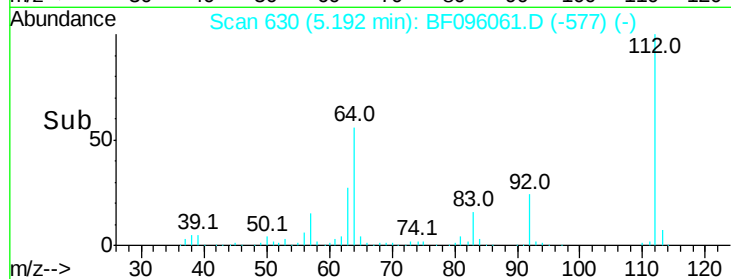
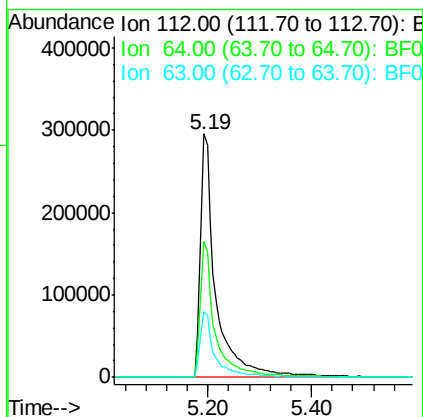
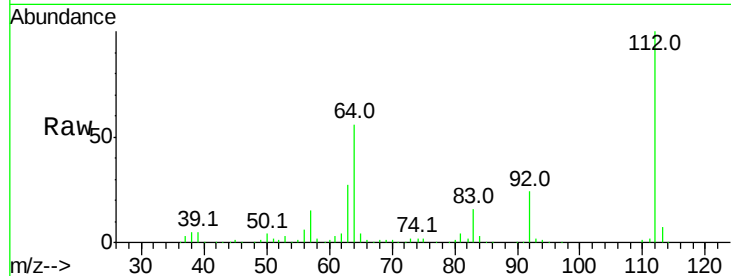
ClientSampleId :

TK4-1-20170619MSD

Tot Ion:	112	Resp:	609027
Ion Ratio	Lower	Upper	
112	100		
64	56.1	46.0	69.0
63	26.7	23.4	35.0

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#6

Aniline

Concen: 32.80 ng

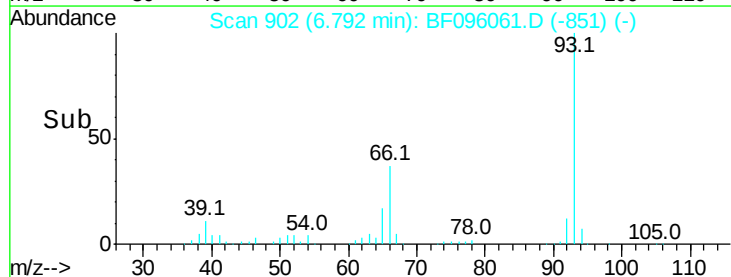
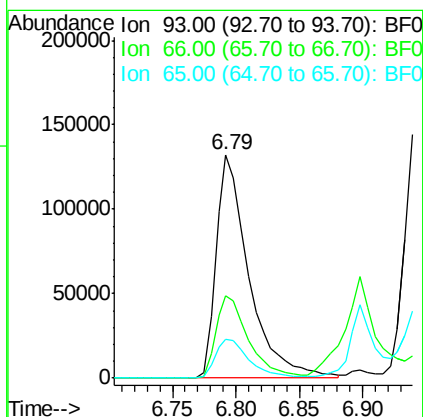
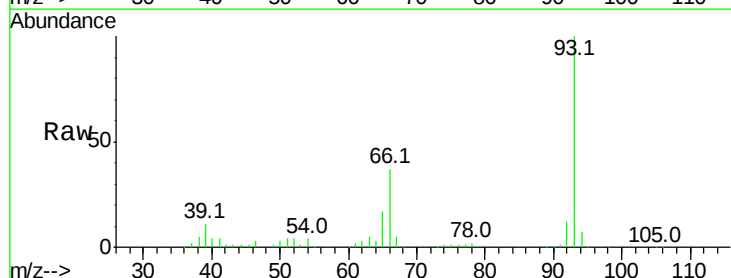
RT: 6.79 min Scan# 902

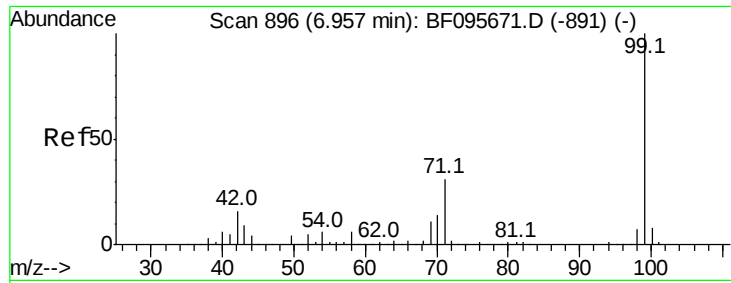
Delta R.T. -0.00 min

Lab File: BF096061.D

Acq: 21 Jun 2017 00:00

Tgt Ion:	93	Resp:	238291
Ion Ratio	Lower	Upper	
93	100		
66	36.8	32.9	49.3
65	17.4	16.0	24.0





#7

Phenol-d6

Concen: 122.31 ng

RT: 6.89 min Scan# 918

Delta R.T. 0.01 min

Lab File: BF096061.D

Acq: 21 Jun 2017 00:00

Instrument :

BNA_F

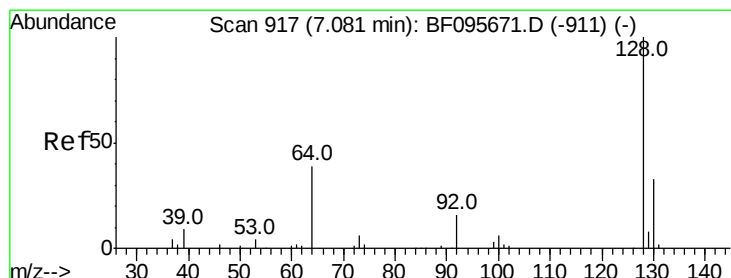
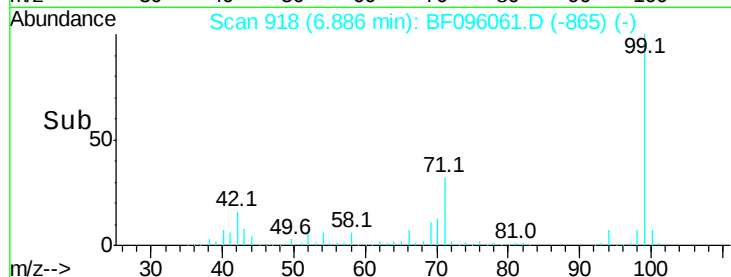
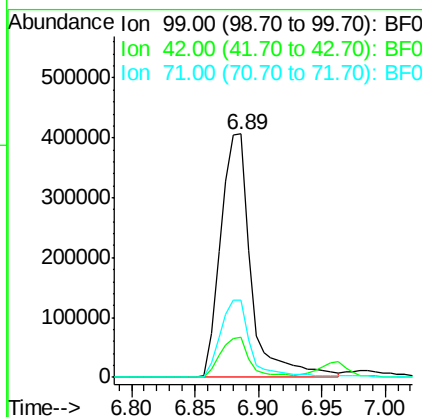
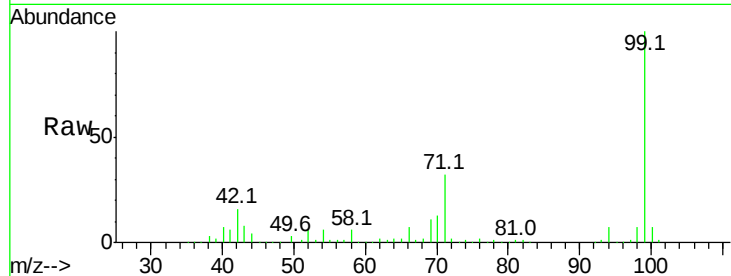
ClientSampleId :

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Tot Ion:	99	Resp:	679267
Ion Ratio	Lower	Upper	
99	100		
42	16.3	13.5	20.3
71	31.7	24.5	36.7

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#8

2-Chlorophenol

Concen: 44.01 ng

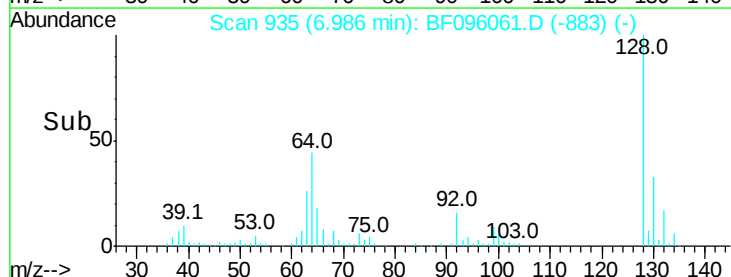
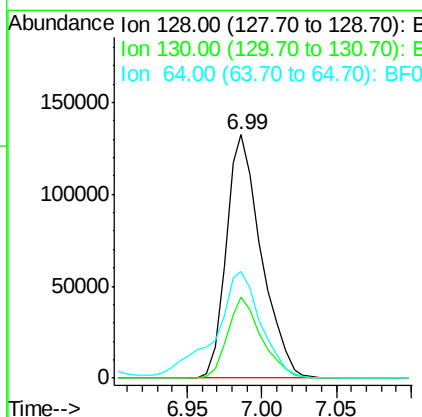
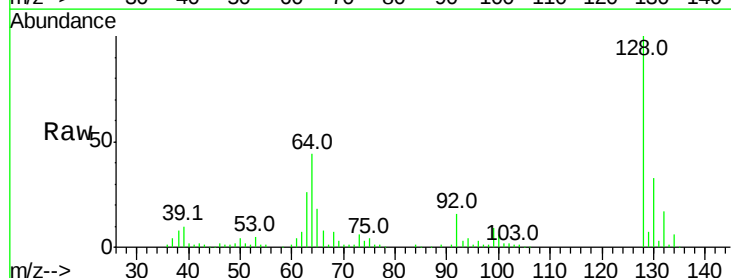
RT: 6.99 min Scan# 935

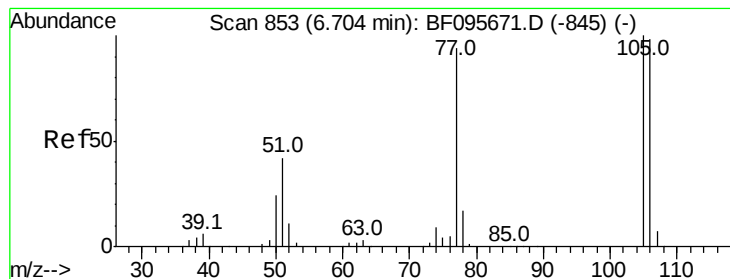
Delta R.T. 0.01 min

Lab File: BF096061.D

Acq: 21 Jun 2017 00:00

Tgt Ion:	128	Resp:	217076
Ion Ratio	Lower	Upper	
128	100		
130	33.4	12.9	52.9
64	44.0	28.4	68.4





#9

Benzaldehyde

Concen: 33.04 ng

RT: 6.59 min Scan# 868

Delta R.T. -0.01 min

Lab File: BF096061.D

Acq: 21 Jun 2017 00:00

Instrument :

BNA_F

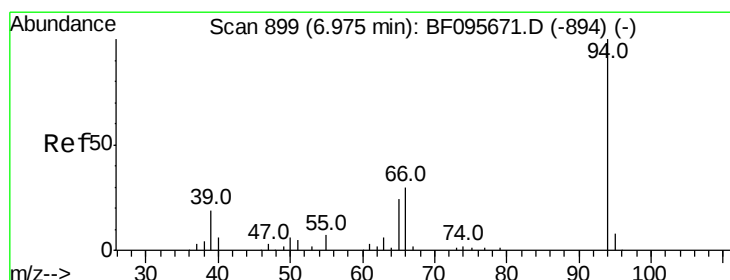
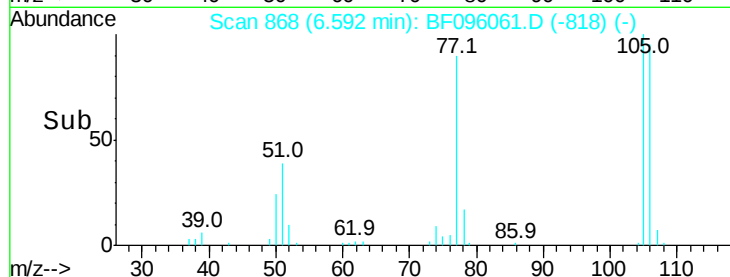
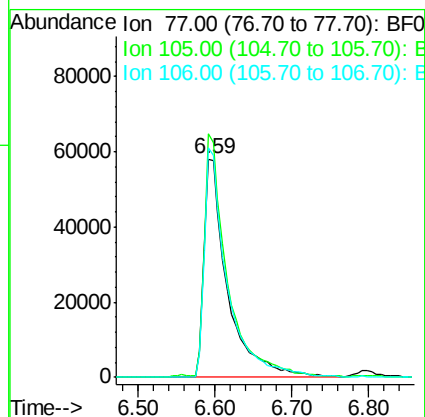
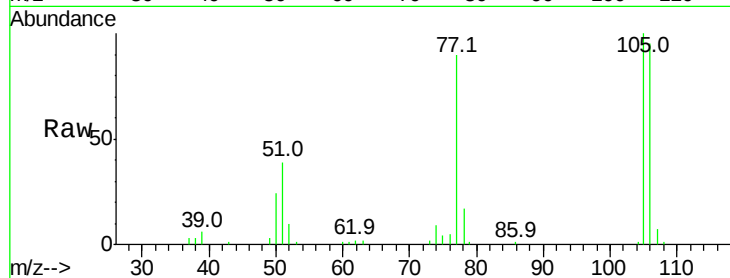
ClientSampleId :

TK4-1-20170619MSD

Tot Ion:	77	Resp:	123769
Ion	Ratio	Lower	Upper
77	100		
105	111.4	83.8	123.8
106	105.2	79.1	119.1

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#10

Phenol

Concen: 46.59 ng

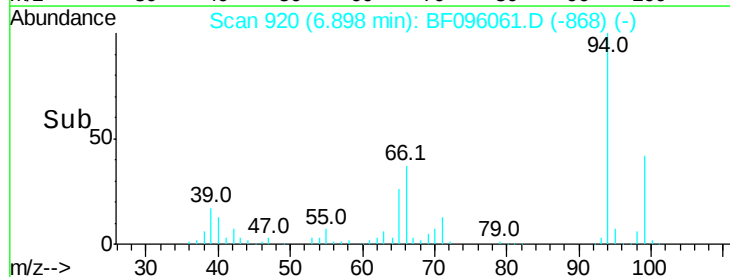
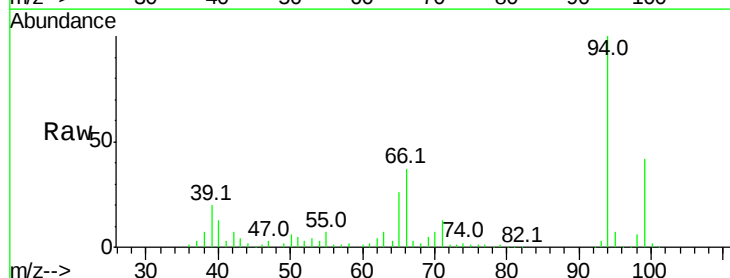
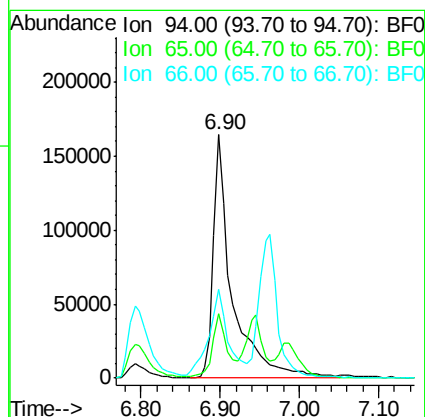
RT: 6.90 min Scan# 920

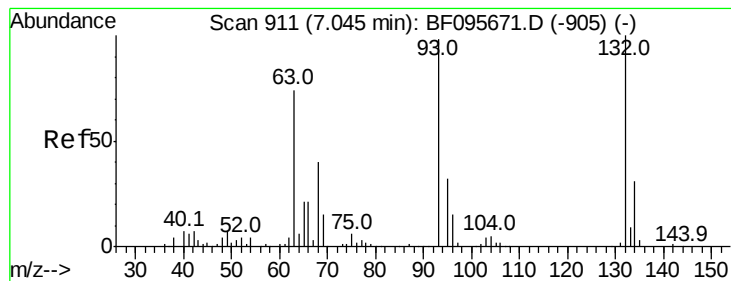
Delta R.T. 0.01 min

Lab File: BF096061.D

Acq: 21 Jun 2017 00:00

Tgt Ion:	94	Resp:	268386
Ion	Ratio	Lower	Upper
94	100		
65	26.4	9.9	49.9
66	36.5	23.1	63.1





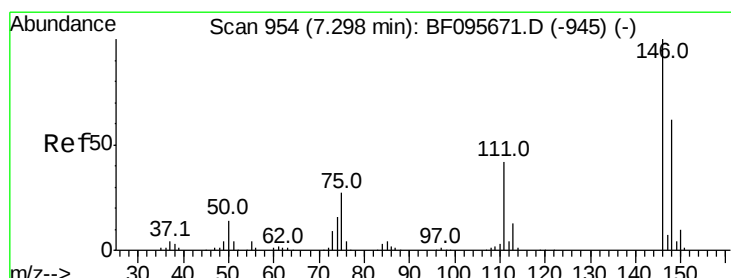
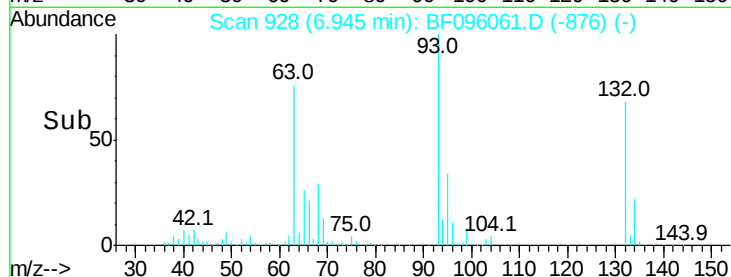
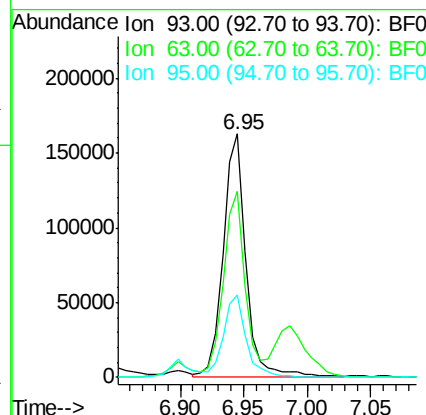
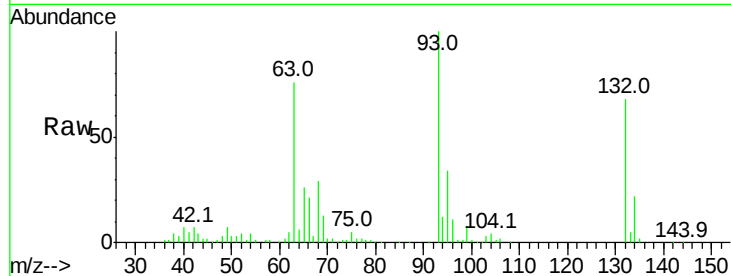
#11
bis(2-Chloroethyl)ether
Concen: 43.92 ng
RT: 6.95 min Scan# 928
Delta R.T. 0.01 min
Lab File: BF096061.D
Acq: 21 Jun 2017 00:00

Instrument :
BNA_F
ClientSampleId :
TK4-1-20170619MSD

Tot Ion	Ratio	Resp	Lower	Upper
93	100	200446		
63	76.5	59.2	99.2	
95	34.0	12.8	52.8	

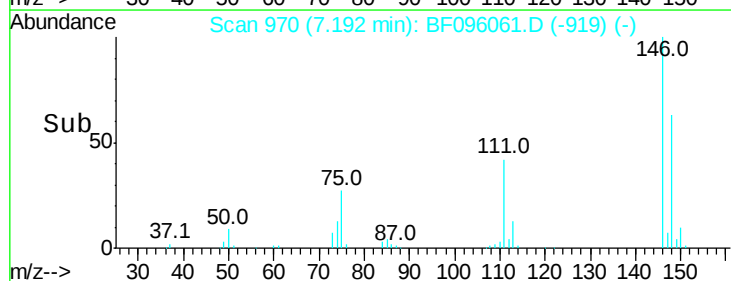
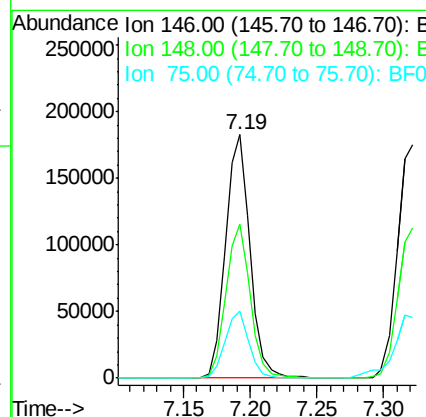
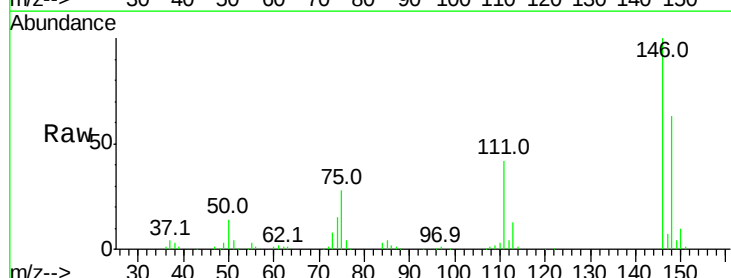
Manual Integrations
APPROVED

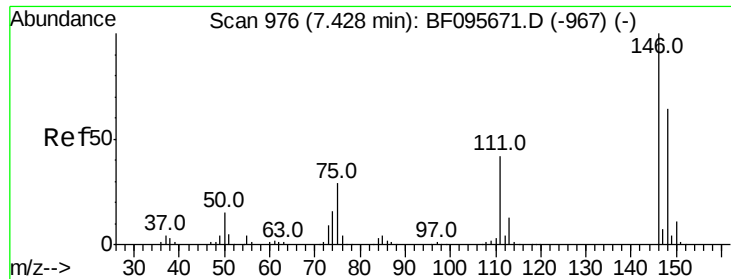
mohammad
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#12
1,3-Dichlorobenzene
Concen: 42.24 ng
RT: 7.19 min Scan# 970
Delta R.T. -0.00 min
Lab File: BF096061.D
Acq: 21 Jun 2017 00:00

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	235827		
148	63.1	51.8	77.6	
75	27.6	23.1	34.7	





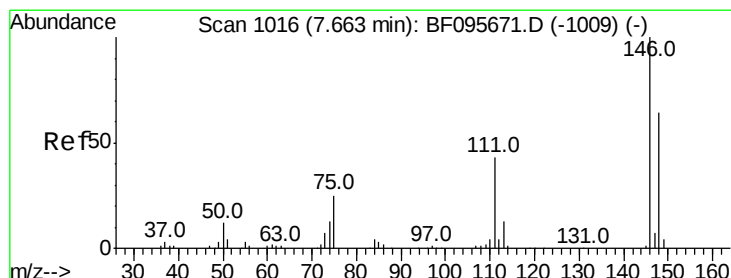
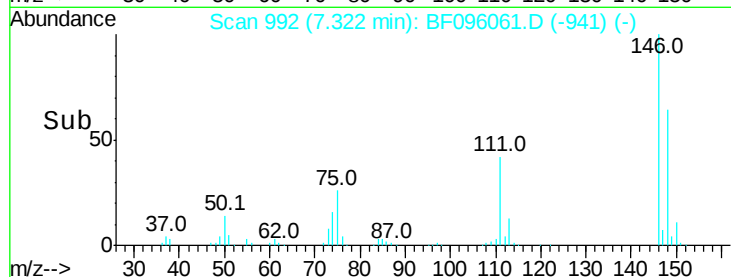
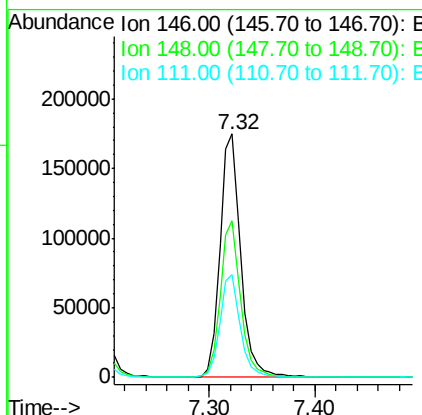
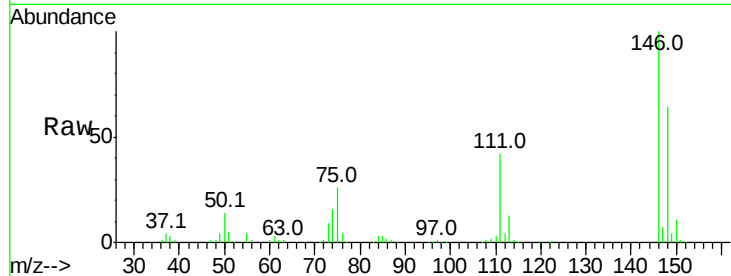
#13
 1,4-Dichlorobenzene
 Concen: 42.36 ng
 RT: 7.32 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: BF096061.D
 Acq: 21 Jun 2017 00:00

Instrument :
 BNA_F
 ClientSampleId :
 TK4-1-20170619MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.3	52.2	78.2
111	42.0	30.3	45.5

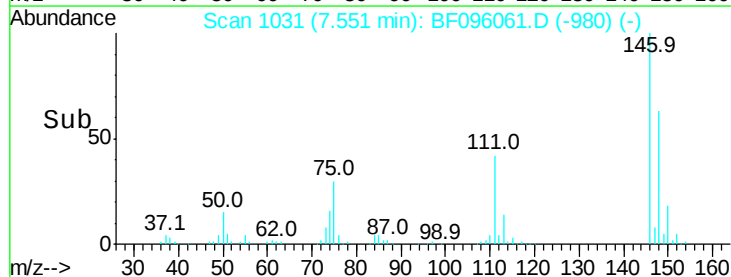
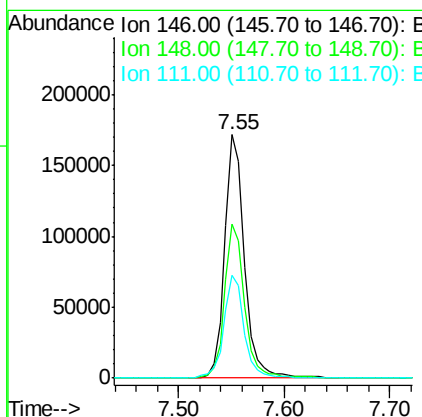
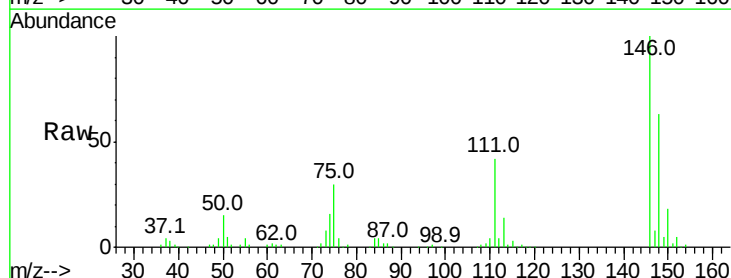
Manual Integrations
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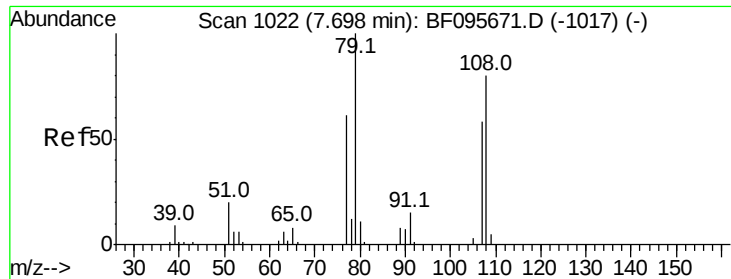
mohammad
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#14
 1,2-Dichlorobenzene
 Concen: 42.83 ng
 RT: 7.55 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: BF096061.D
 Acq: 21 Jun 2017 00:00

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.4	75.6
111	42.3	38.2	57.4





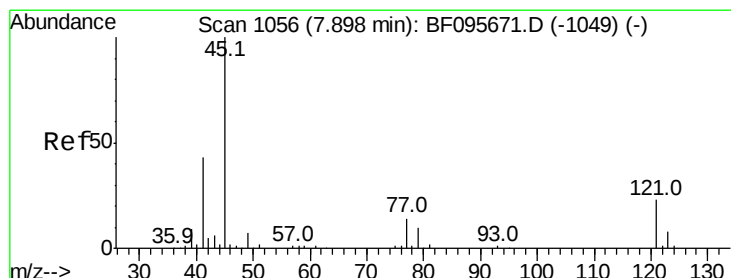
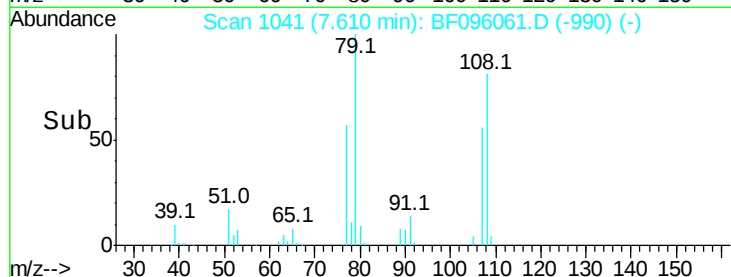
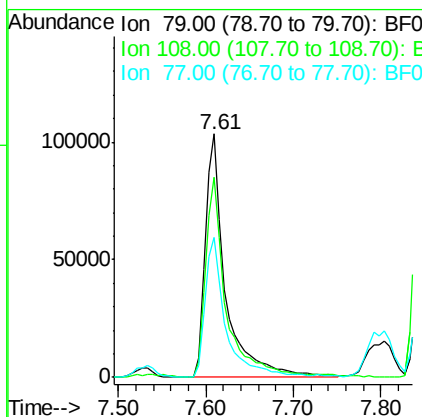
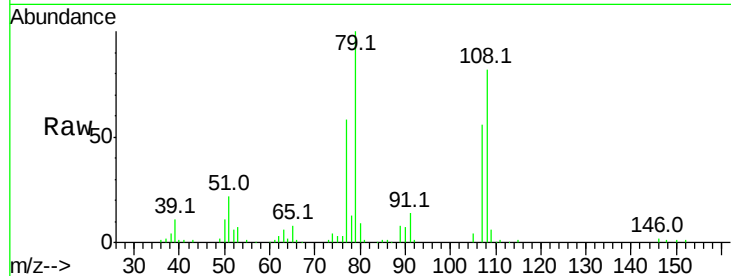
#15
Benzyl Alcohol
Concen: 43.93 ng
RT: 7.61 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BF096061.D
Acq: 21 Jun 2017 00:00

Instrument :
BNA_F
ClientSampleId :
TK4-1-20170619MSD

Tot Ion: 79 Resp: 167455
Ion Ratio Lower Upper
79 100
108 82.1 63.4 95.0
77 57.6 49.2 73.8

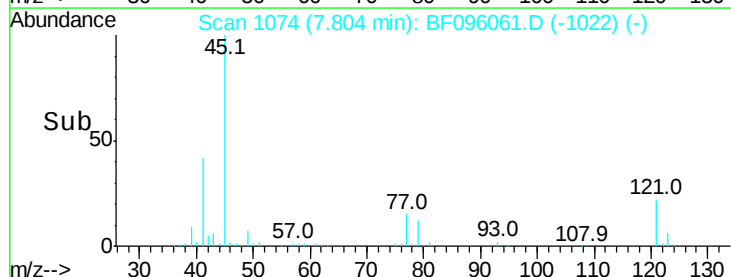
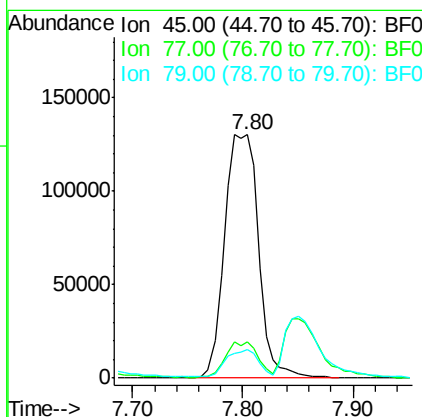
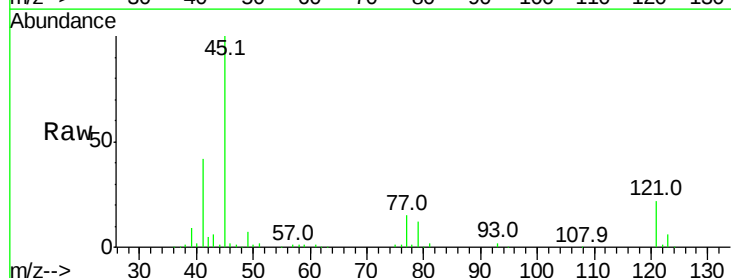
Manual Integrations
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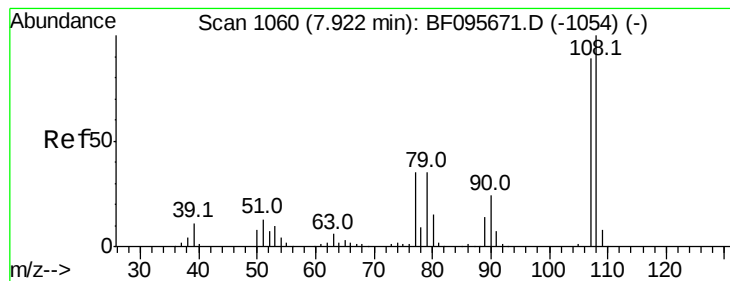
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#16
2,2'-oxybis(1-chloropropane)
Concen: 43.96 ng
RT: 7.80 min Scan# 1074
Delta R.T. 0.01 min
Lab File: BF096061.D
Acq: 21 Jun 2017 00:00

Tgt Ion: 45 Resp: 281906
Ion Ratio Lower Upper
45 100
77 15.1 0.0 33.2
79 11.8 0.0 30.0





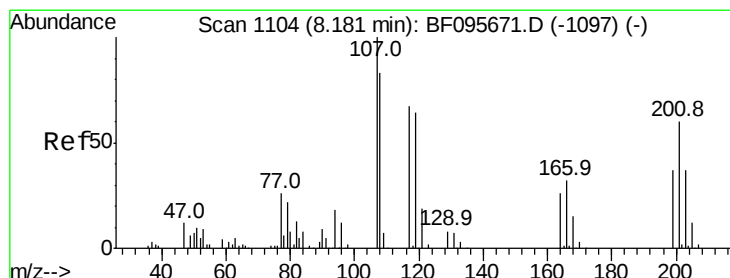
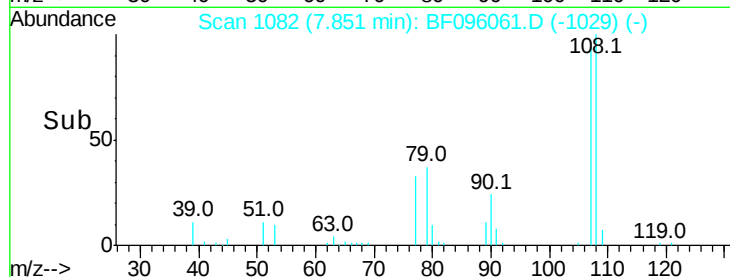
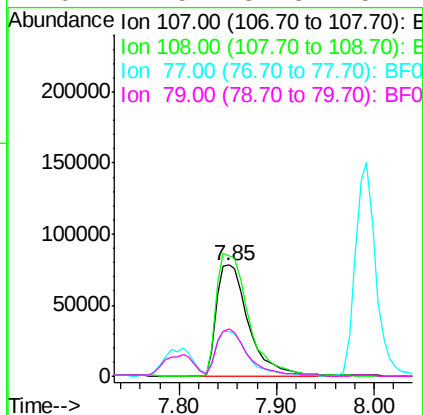
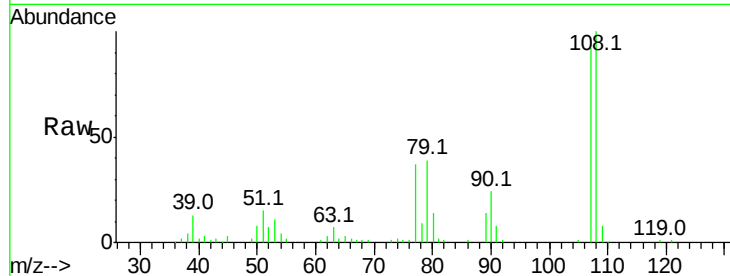
#17
2-Methylphenol
Concen: 43.44 ng
RT: 7.85 min Scan# 1082
Delta R.T. 0.01 min
Lab File: BF096061.D
Acq: 21 Jun 2017 00:00

Instrument :
BNA_F
ClientSampleId :
TK4-1-20170619MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100	179832		
108	108.2	93.4	140.0	
77	40.4	35.8	53.6	
79	42.5	34.8	52.2	

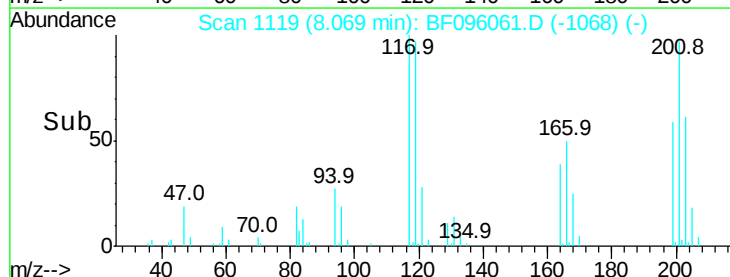
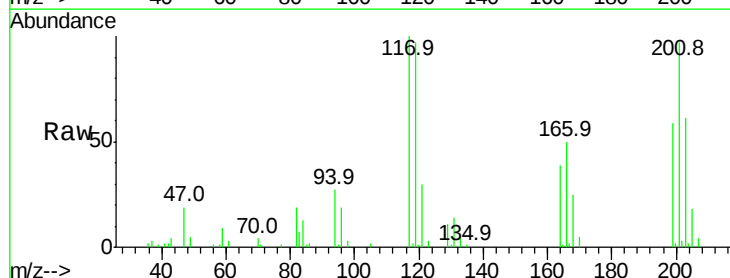
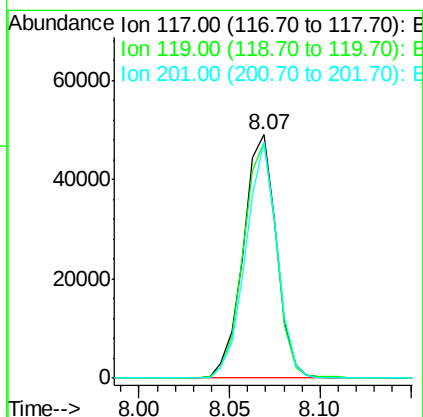
Manual Integrations
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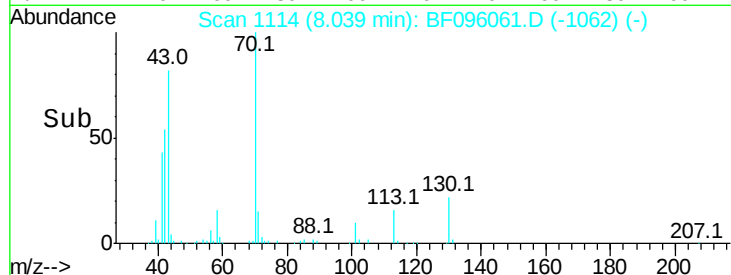
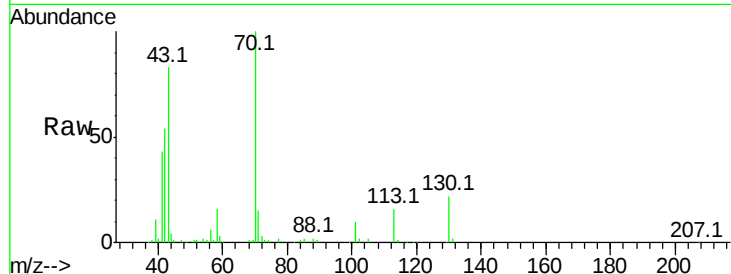
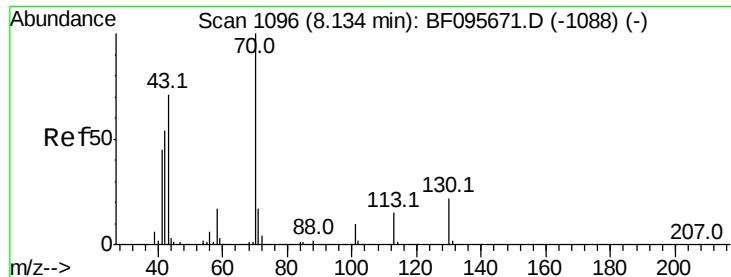
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#18
Hexachloroethane
Concen: 33.36 ng
RT: 8.07 min Scan# 1119
Delta R.T. -0.00 min
Lab File: BF096061.D
Acq: 21 Jun 2017 00:00

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	62383		
119	96.7	77.4	116.0	
201	96.9	94.6	141.8	





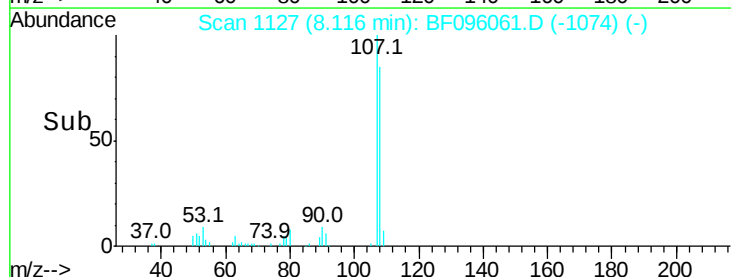
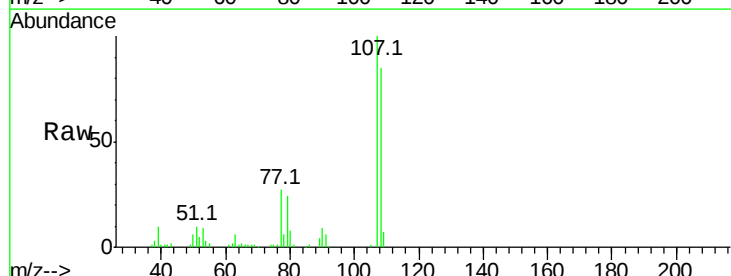
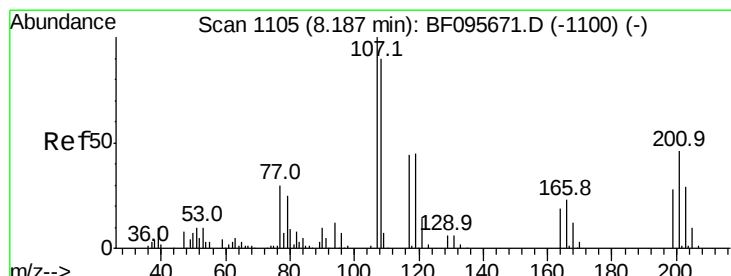
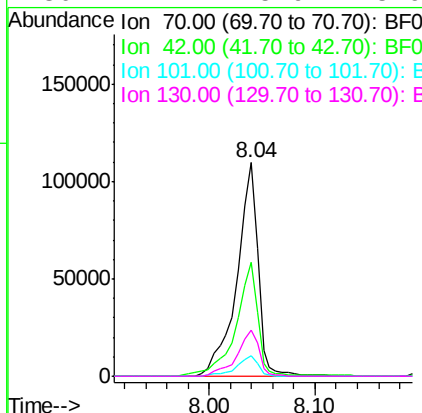
#19
n-Nitroso-di-n-propylamine
Concen: 43.09 ng
RT: 8.04 min Scan# 1114
Delta R.T. 0.01 min
Lab File: BF096061.D
Acq: 21 Jun 2017 00:00

Instrument :
BNA_F
ClientSampleId :
TK4-1-20170619MSD

Tot Ion	70	Ratio	100	Resp	151662	Lower	Upper
70	100						
42	53.5			47.2		70.8	
101	9.9			7.2		10.8	
130	21.7			15.9		23.9	

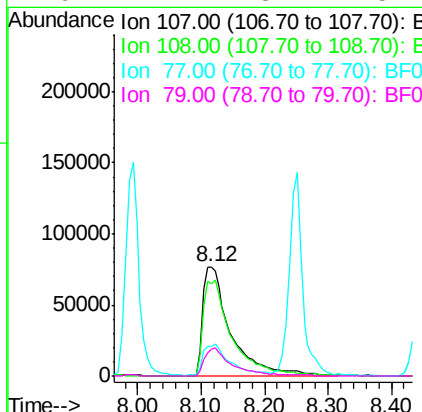
Manual Integrations
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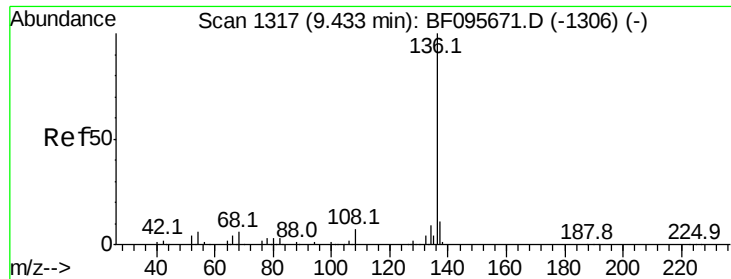
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#20
3+4-Methylphenols
Concen: 45.11 ng
RT: 8.12 min Scan# 1127
Delta R.T. 0.01 min
Lab File: BF096061.D
Acq: 21 Jun 2017 00:00

Tgt Ion	107	Ratio	100	Resp	237021	Lower	Upper
107	100						
108	85.0			71.0		111.0	
77	27.2			90.5		130.5#	
79	24.2			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: BF096061.D

Acq: 21 Jun 2017 00:00

Instrument :

BNA_F

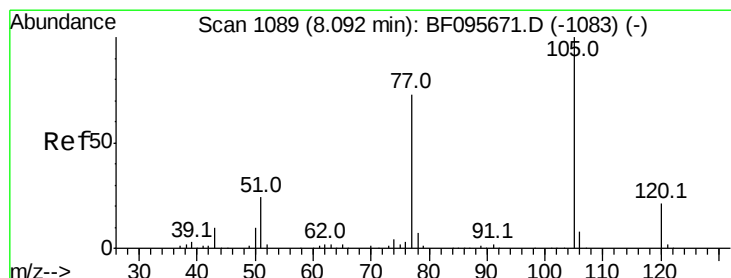
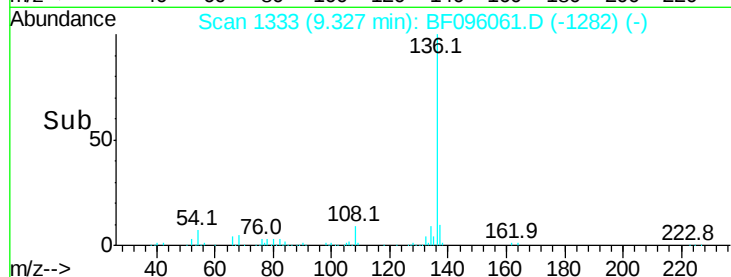
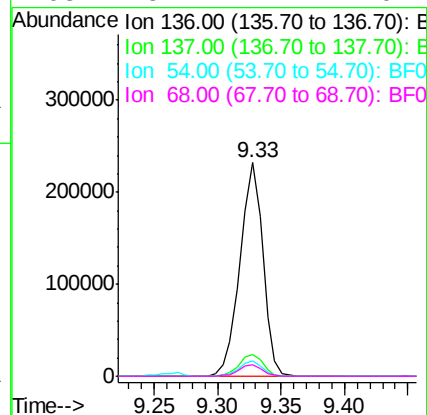
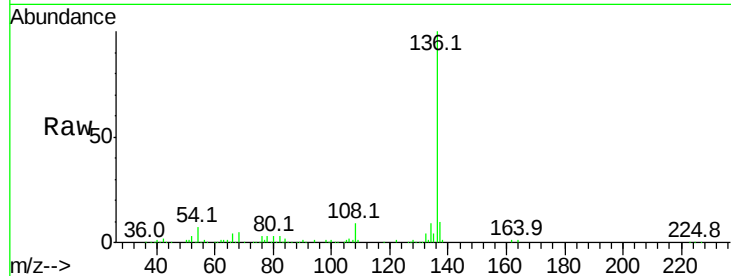
ClientSampleId :

TK4-1-20170619MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	289664		
137	10.3		8.5	12.7
54	6.9		4.9	7.3
68	5.2		4.1	6.1

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#22

Acetophenone

Concen: 44.86 ng

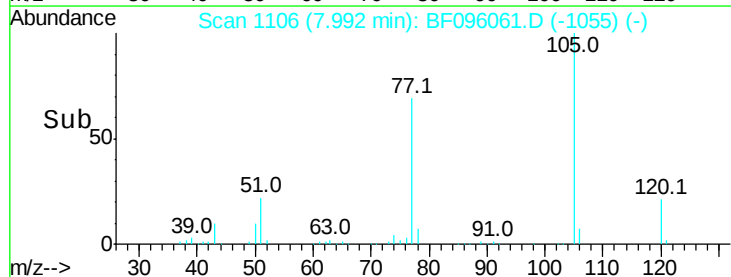
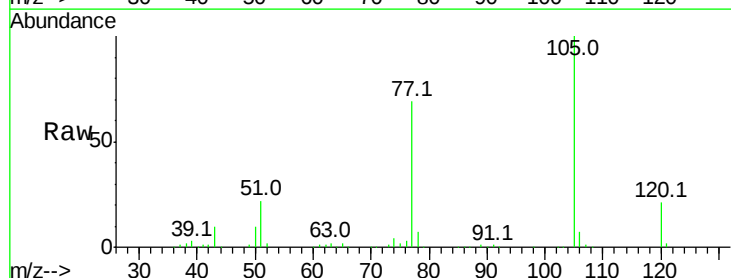
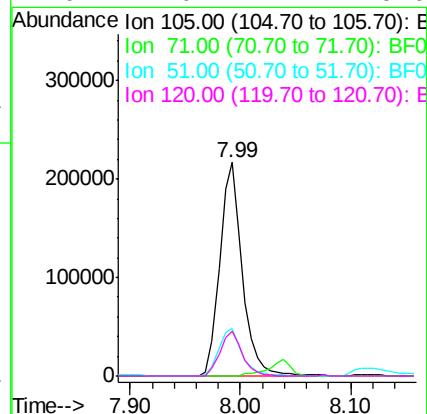
RT: 7.99 min Scan# 1106

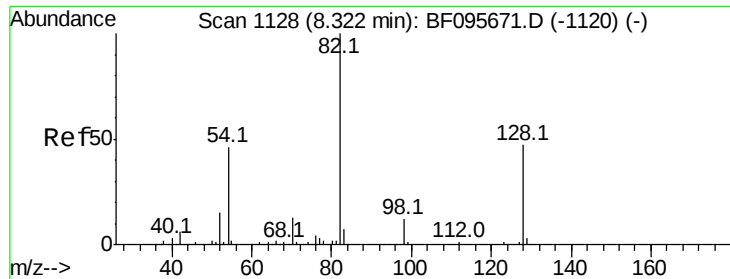
Delta R.T. -0.00 min

Lab File: BF096061.D

Acq: 21 Jun 2017 00:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	304156		
71	0.2		2.8	4.2#
51	21.9		30.7	46.1#
120	21.0		17.4	26.0





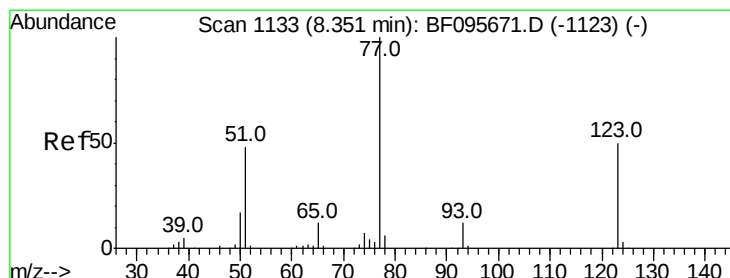
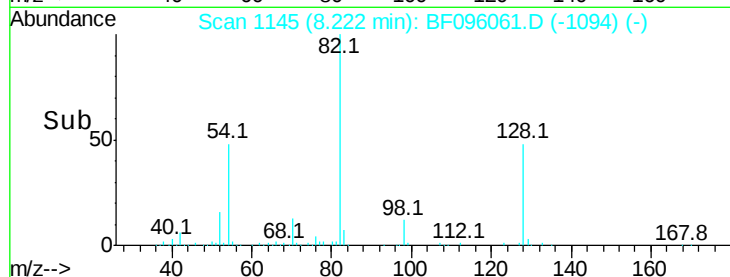
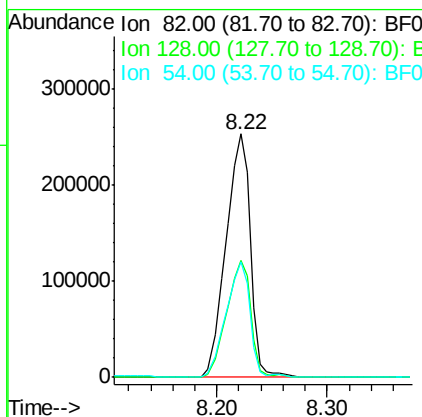
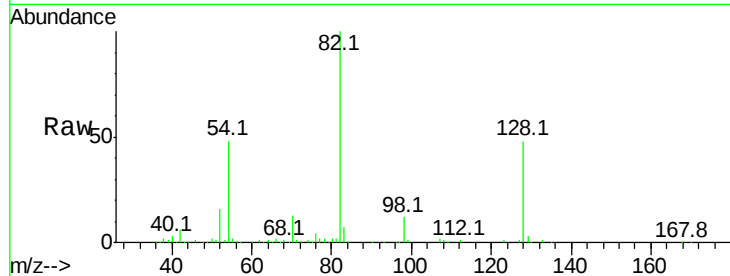
#23
Nitrobenzene-d5
Concen: 84.32 ng
RT: 8.22 min Scan# 1145
Delta R.T. -0.00 min
Lab File: BF096061.D
Acq: 21 Jun 2017 00:00

Instrument :
BNA_F
ClientSampleId :
TK4-1-20170619MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.8	34.0	51.0
54	47.7	42.2	63.2

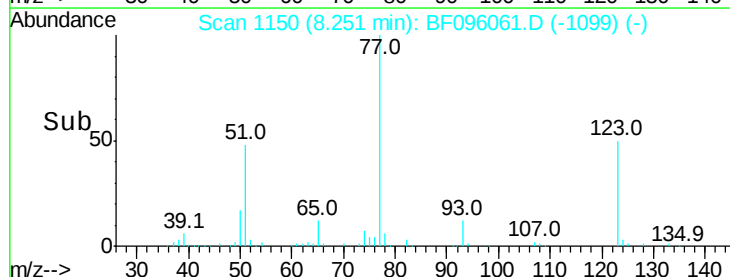
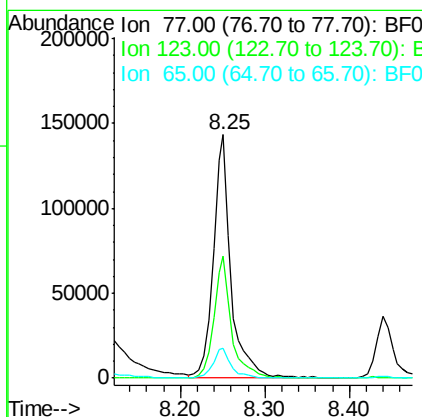
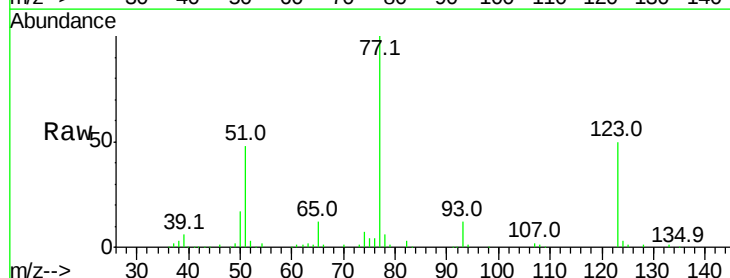
Manual Integrations
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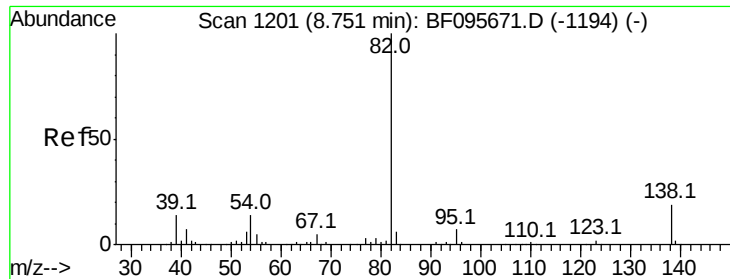
mohammad
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#24
Nitrobenzene
Concen: 42.44 ng
RT: 8.25 min Scan# 1150
Delta R.T. -0.00 min
Lab File: BF096061.D
Acq: 21 Jun 2017 00:00

Tgt Ion	Ratio	Lower	Upper
77	100		
123	50.3	35.8	53.8
65	12.2	10.6	15.8





#25

Isophorone

Concen: 42.80 ng

RT: 8.65 min Scan# 1218

Delta R.T. -0.00 min

Lab File: BF096061.D

Acq: 21 Jun 2017 00:00

Instrument :

BNA_F

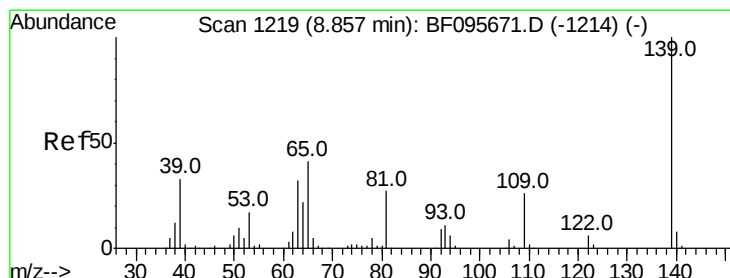
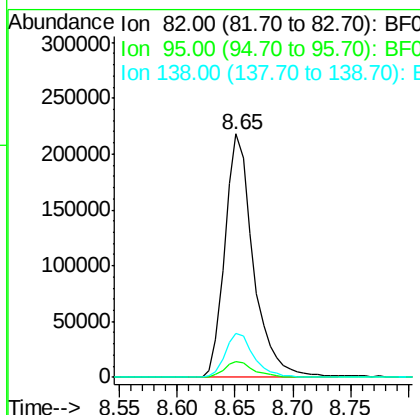
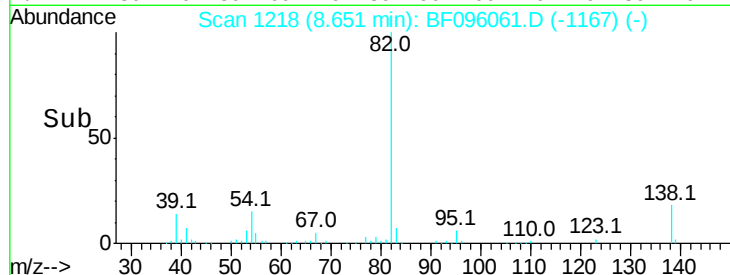
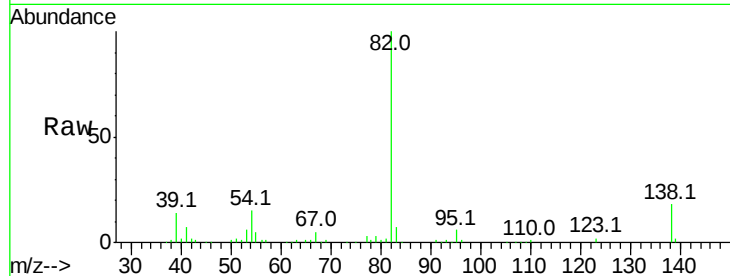
ClientSampleId :

TK4-1-20170619MSD

Tot Ion:	82	Resp:	372748
Ion Ratio	Lower	Upper	
82	100		
95	6.4	5.3	7.9
138	18.1	13.1	19.7

Manual Integrations
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#26

2-Nitrophenol

Concen: 38.45 ng

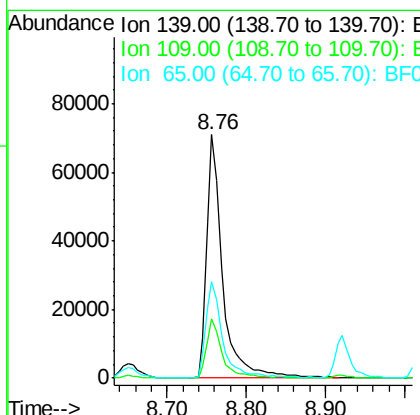
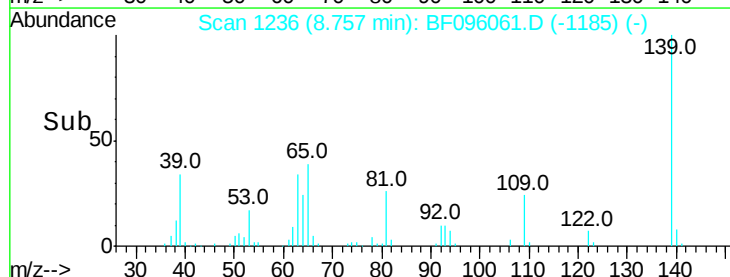
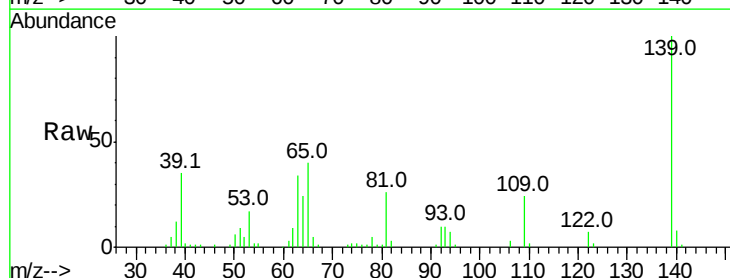
RT: 8.76 min Scan# 1236

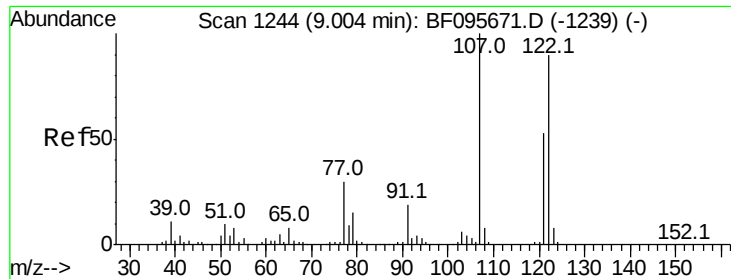
Delta R.T. -0.00 min

Lab File: BF096061.D

Acq: 21 Jun 2017 00:00

Tgt Ion:	139	Resp:	100323
Ion Ratio	Lower	Upper	
139	100		
109	24.3	21.0	31.6
65	39.6	33.0	49.6





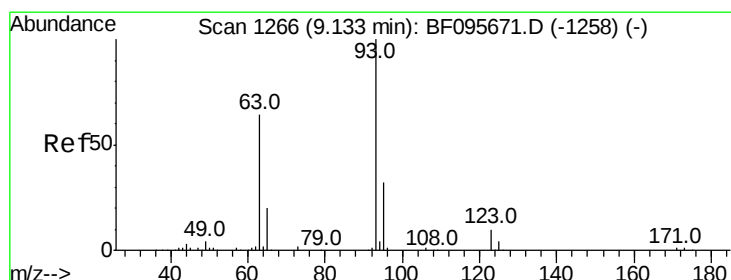
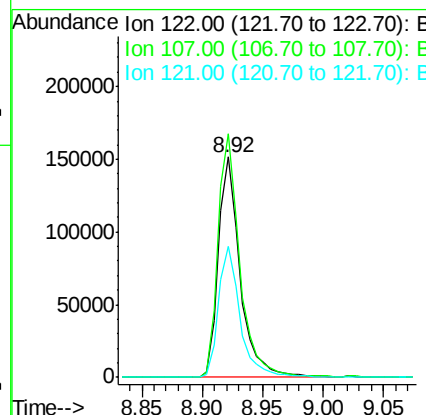
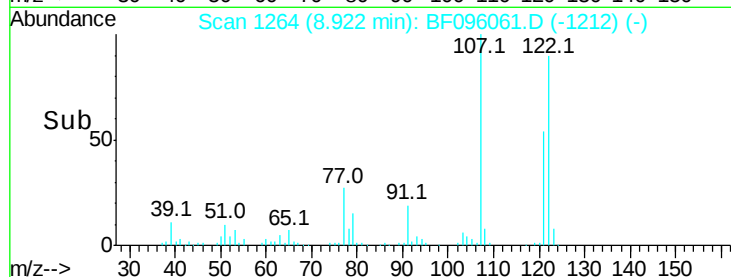
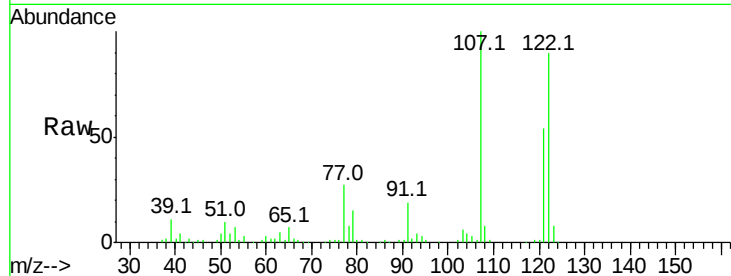
#27
 2,4-Dimethylphenol
 Concen: 46.45 ng
 RT: 8.92 min Scan# 1264
 Delta R.T. 0.01 min
 Lab File: BF096061.D
 Acq: 21 Jun 2017 00:00

Instrument :
 BNA_F
 ClientSampleId :
 TK4-1-20170619MSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	188075		
107	110.7	89.2	133.8	
121	59.5	45.2	67.8	

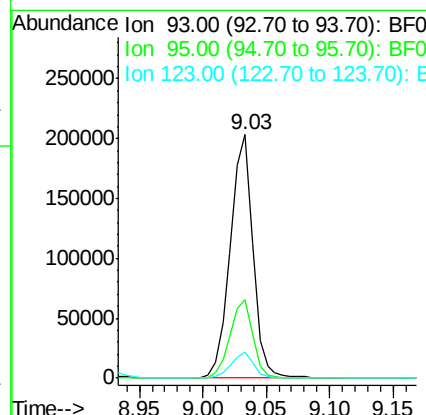
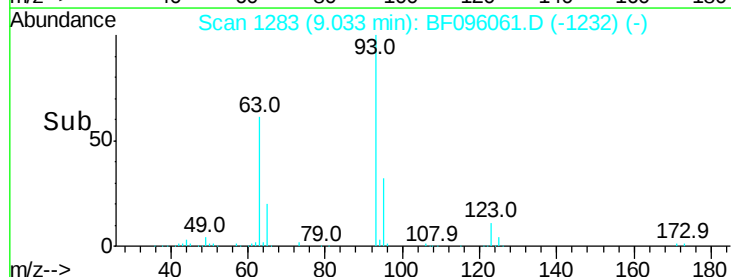
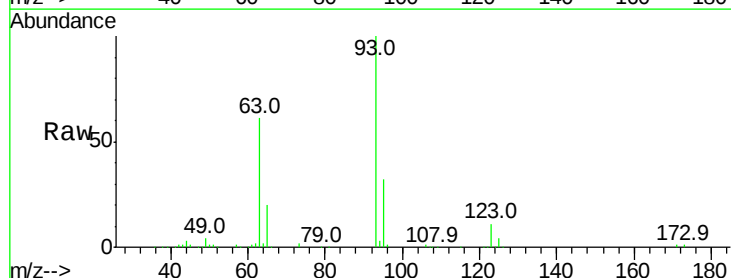
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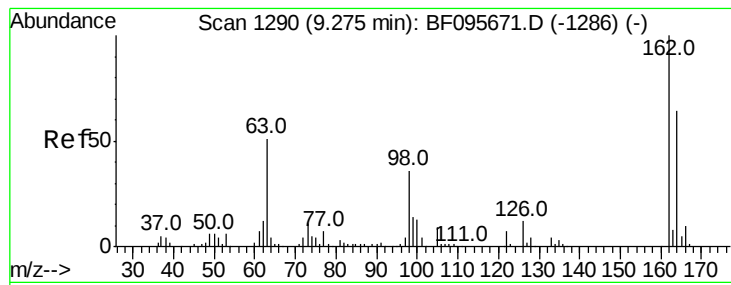
mohammad
 6/21/2017 2:17:08 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 43.80 ng
 RT: 9.03 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: BF096061.D
 Acq: 21 Jun 2017 00:00

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	251438		
95	32.0	26.5	39.7	
123	10.7	9.0	13.4	





#29

2,4-Dichlorophenol

Concen: 41.84 ng

RT: 9.21 min Scan# 1313

Delta R.T. 0.01 min

Lab File: BF096061.D

Acq: 21 Jun 2017 00:00

Instrument :

BNA_F

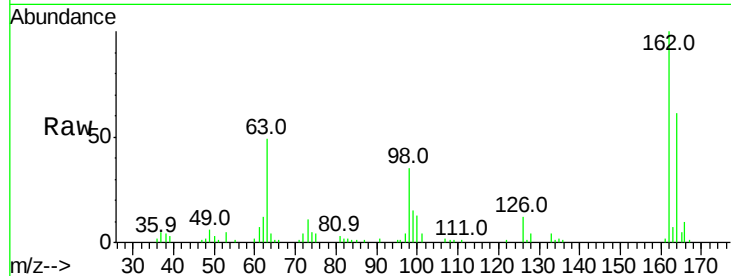
ClientSampleId :

TK4-1-20170619MSD

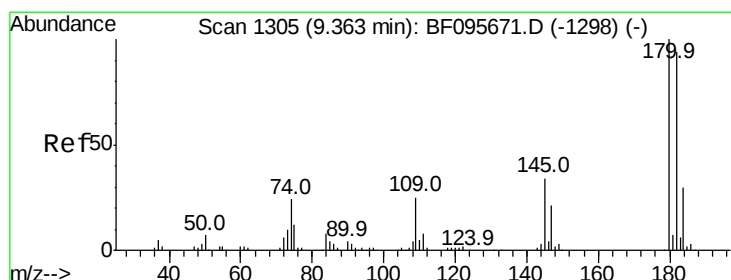
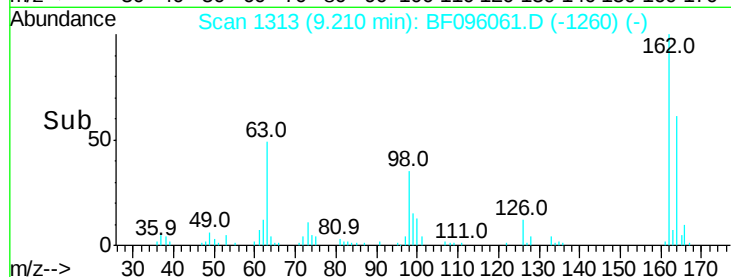
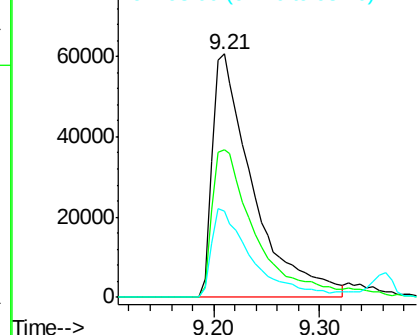
Tot Ion:	162	Resp:	163151
Ion Ratio	Lower	Upper	
162	100		
164	60.8	44.6	84.6
98	35.4	14.8	54.8

Manual Integrations
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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



#30

1,2,4-Trichlorobenzene

Concen: 42.89 ng

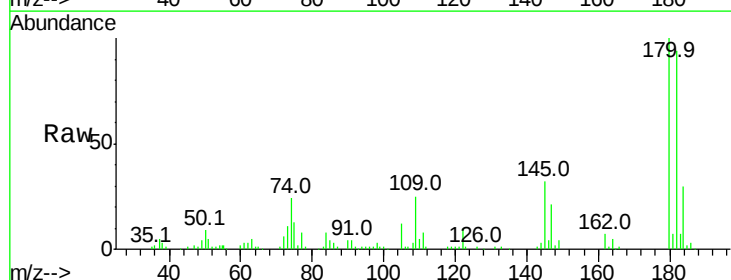
RT: 9.26 min Scan# 1322

Delta R.T. -0.00 min

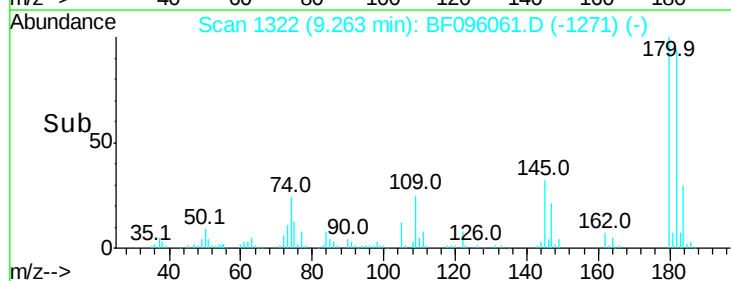
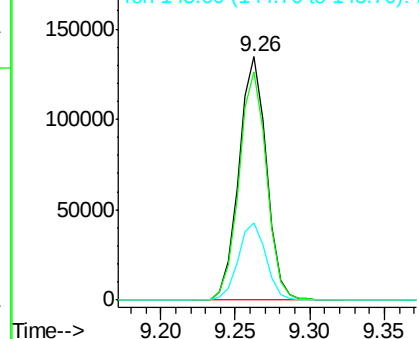
Lab File: BF096061.D

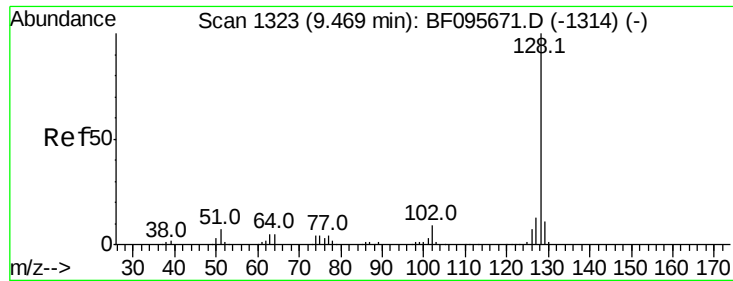
Acq: 21 Jun 2017 00:00

Tgt Ion:	180	Resp:	174044
Ion Ratio	Lower	Upper	
180	100		
182	93.7	75.8	113.6
145	31.6	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





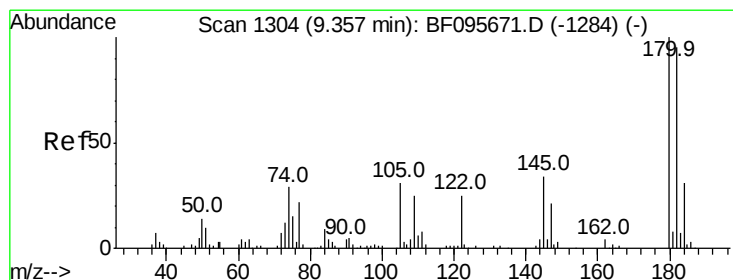
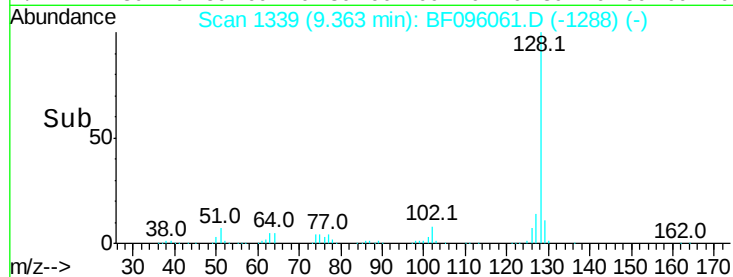
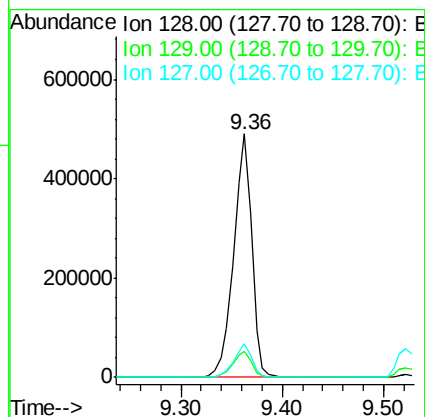
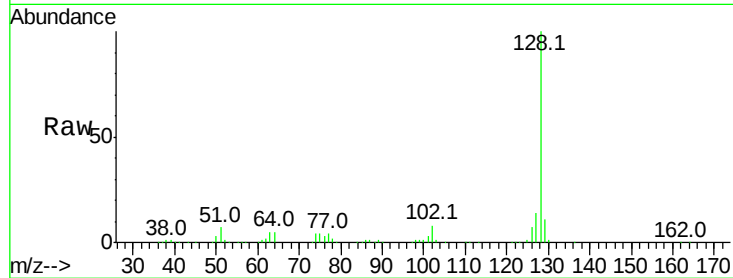
#31
Naphthalene
Concen: 41.82 ng
RT: 9.36 min Scan# 1339
Delta R.T. -0.00 min
Lab File: BF096061.D
Acq: 21 Jun 2017 00:00

Instrument :
BNA_F
ClientSampleId :
TK4-1-20170619MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.0	13.6
127	13.7	10.8	16.2

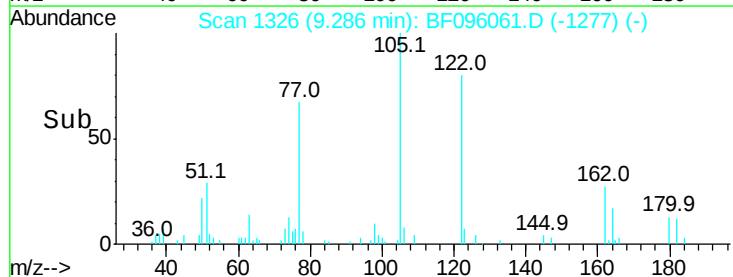
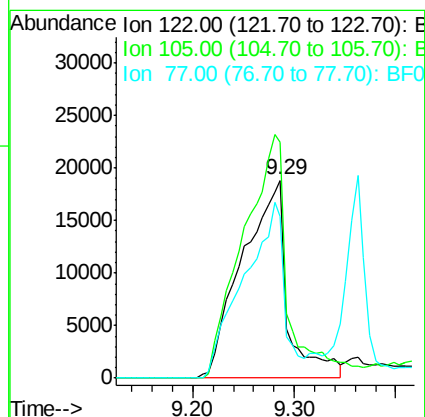
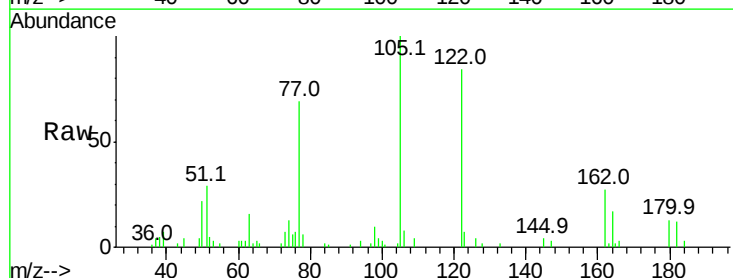
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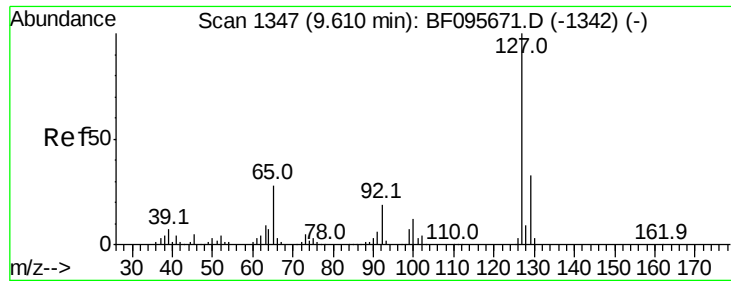
mohammad
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#32
Benzoic acid
Concen: 25.88 ng
RT: 9.29 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF096061.D
Acq: 21 Jun 2017 00:00

Tgt Ion	Ratio	Lower	Upper
122	100		
105	119.3	103.3	143.3
77	81.9	73.7	113.7





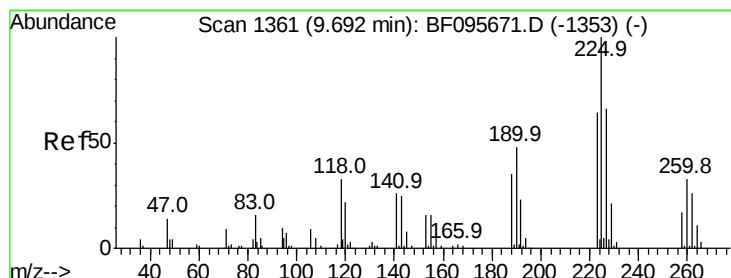
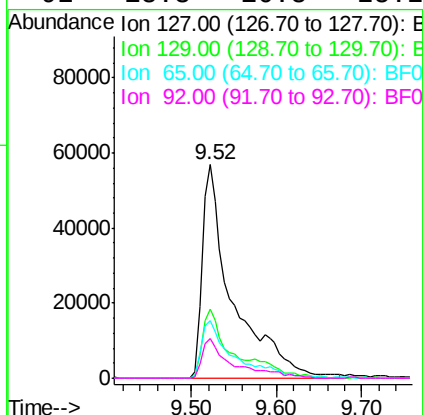
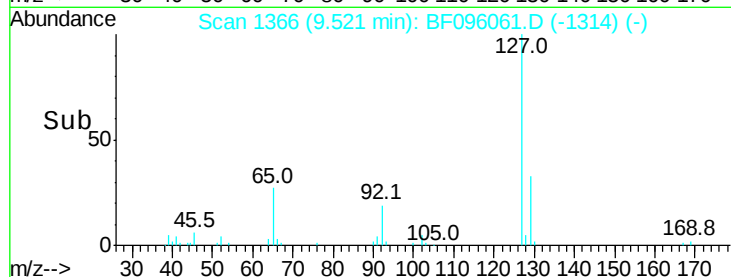
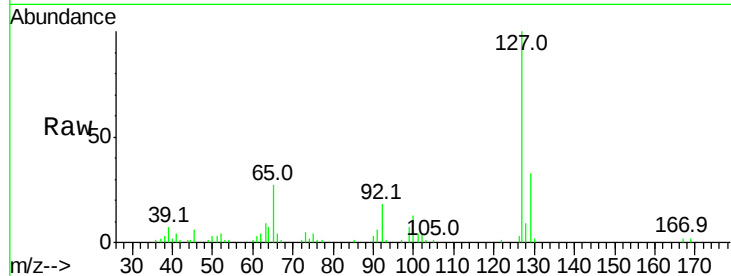
#33
4-Chloroaniline
Concen: 25.06 ng/ml
RT: 9.52 min Scan# 1366
Delta R.T. 0.01 min
Lab File: BF096061.D
Acq: 21 Jun 2017 00:00

Instrument :
BNA_F
ClientSampleId :
TK4-1-20170619MSD

Tot Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.2	39.2
65	27.1	27.8	41.8
92	18.3	16.8	25.2

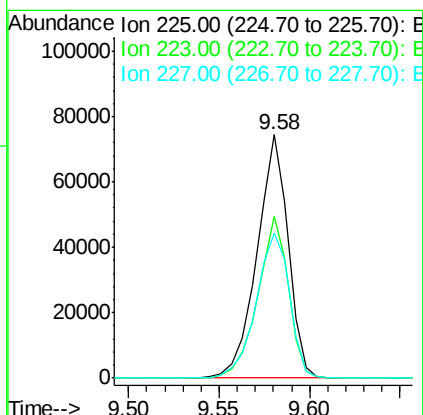
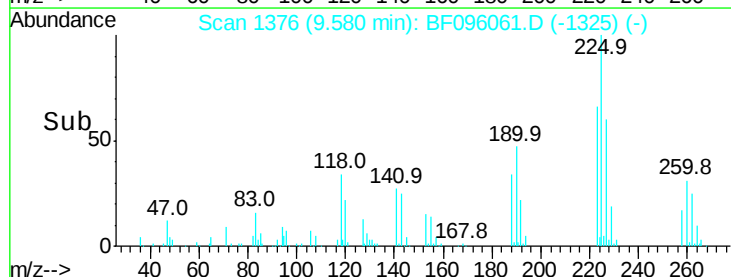
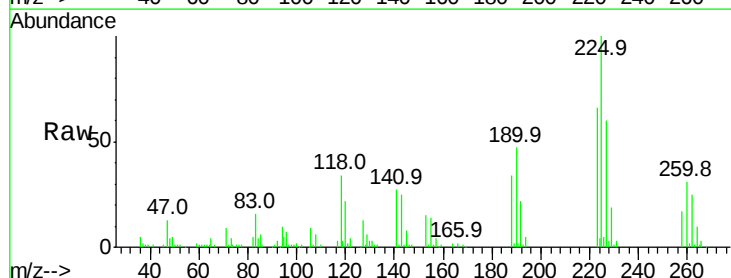
Manual Integrations
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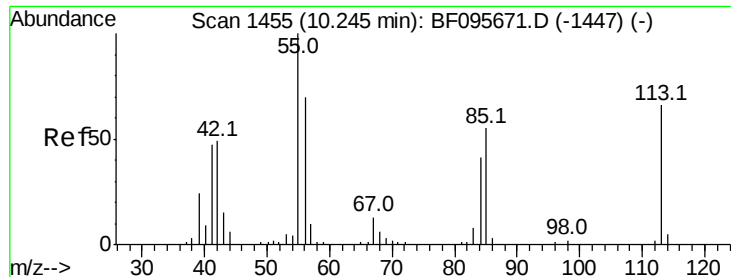
mohammad
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#34
Hexachlorobutadiene
Concen: 42.34 ng/ml
RT: 9.58 min Scan# 1376
Delta R.T. -0.00 min
Lab File: BF096061.D
Acq: 21 Jun 2017 00:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.4	48.8	73.2
227	59.7	51.1	76.7





#35

Caprolactam

Concen: 43.94 ng/mL

RT: 10.16 min Scan# 1474

Delta R.T. -0.01 min

Lab File: BF096061.D

Acq: 21 Jun 2017 00:00

Instrument :

BNA_F

ClientSampleId :

TK4-1-20170619MSD

Tot Ion:113 Resp: 50982

Ion Ratio Lower Upper

113 100

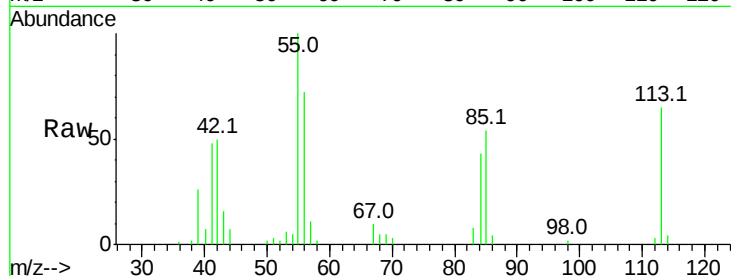
55 154.4 150.2 190.2

56 110.4 107.8 147.8

Manual Integrations
APPROVED

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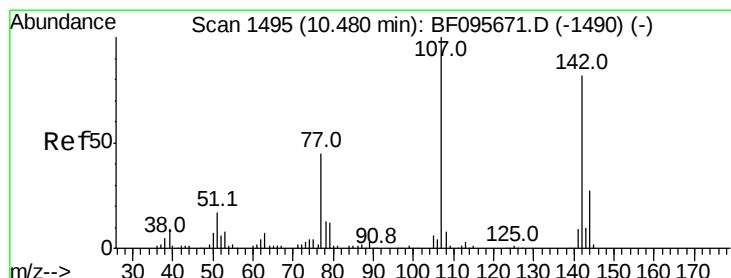
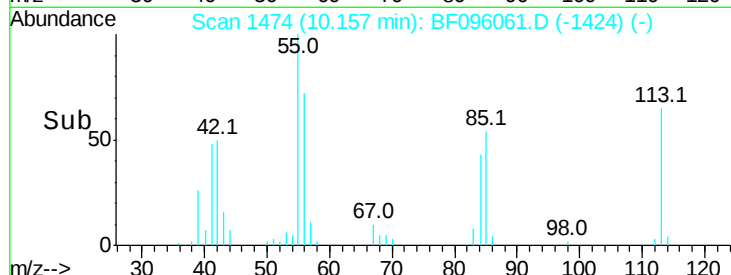
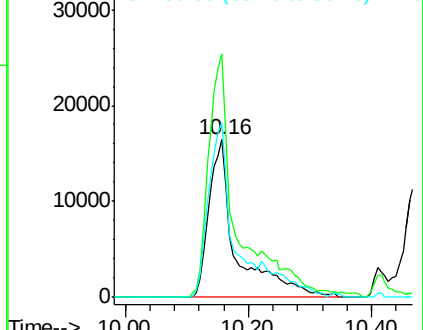
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 41.39 ng/mL

RT: 10.41 min Scan# 1517

Delta R.T. 0.01 min

Lab File: BF096061.D

Acq: 21 Jun 2017 00:00

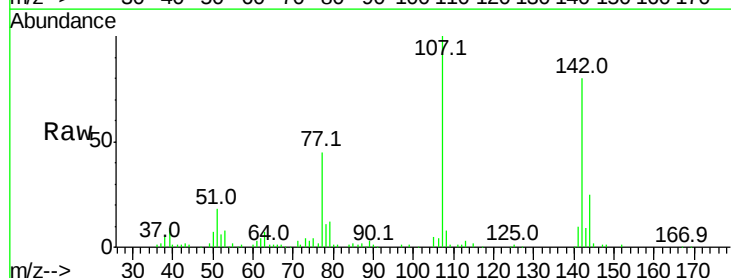
Tgt Ion:107 Resp: 168937

Ion Ratio Lower Upper

107 100

144 25.4 24.2 36.4

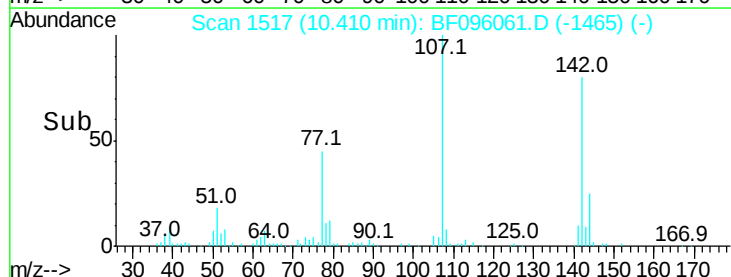
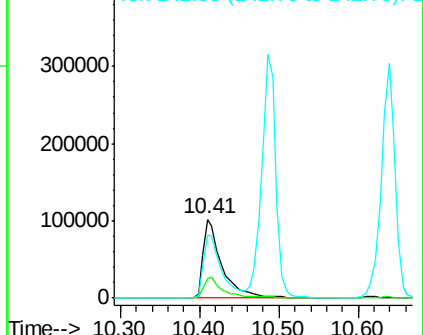
142 80.0 73.4 110.0

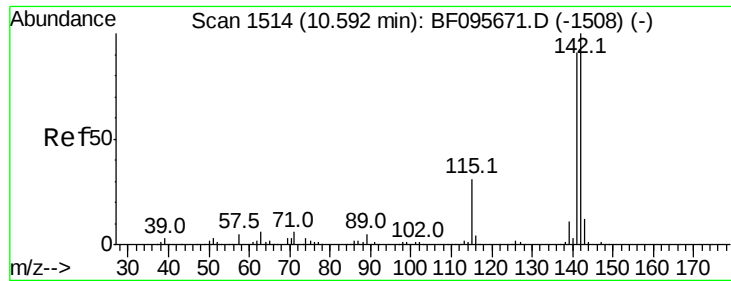


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





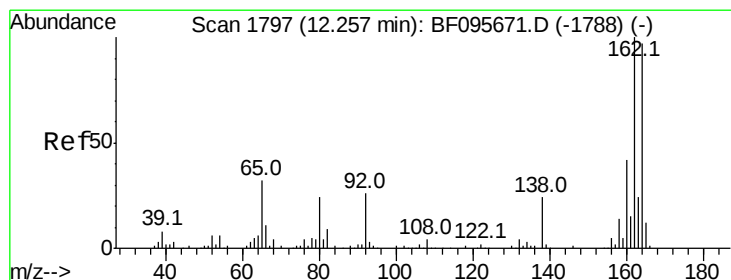
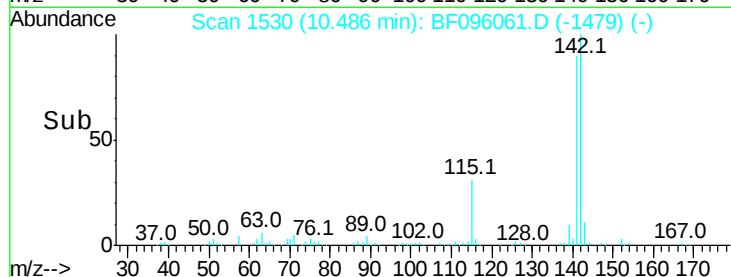
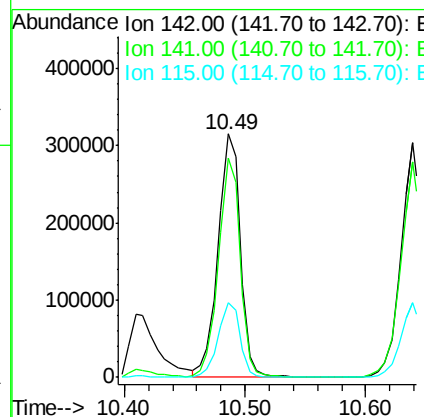
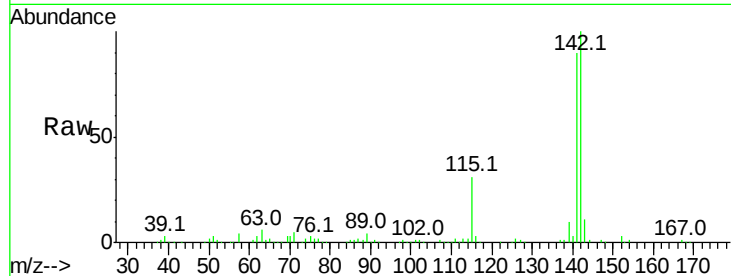
#37
2-Methylnaphthalene
Concen: 41.00 ng
RT: 10.49 min Scan# 1530
Delta R.T. -0.00 min
Lab File: BF096061.D
Acq: 21 Jun 2017 00:00

Instrument :
BNA_F
ClientSampleId :
TK4-1-20170619MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.0	71.3	106.9
115	30.7	27.1	40.7

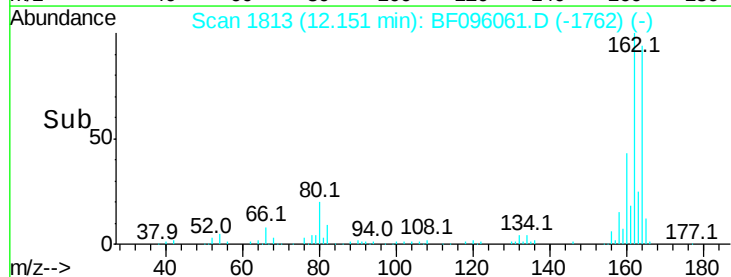
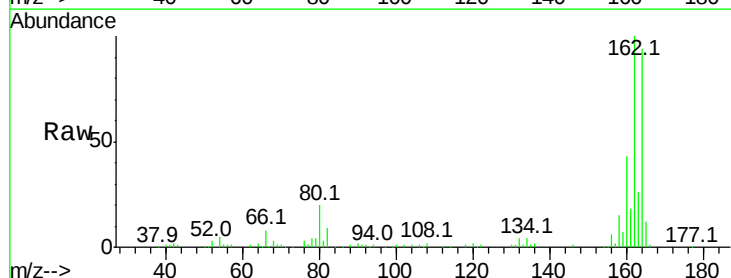
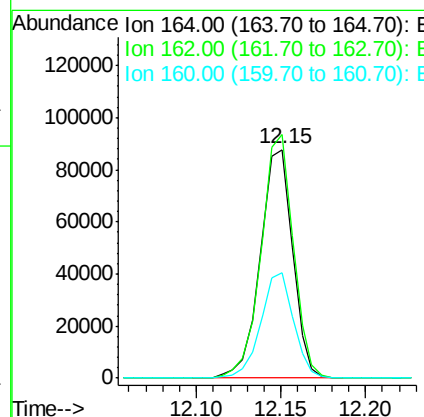
Manual Integrations
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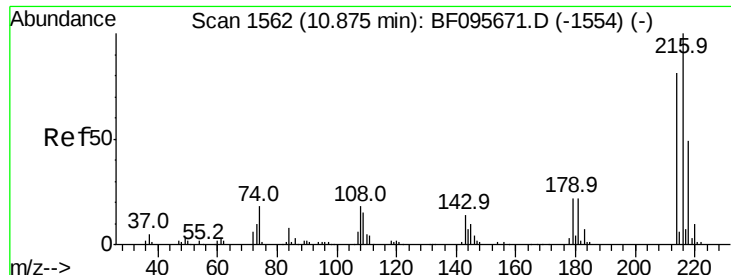
mohammad
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.15 min Scan# 1813
Delta R.T. -0.00 min
Lab File: BF096061.D
Acq: 21 Jun 2017 00:00

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.6	82.6	123.8
160	46.0	36.2	54.2





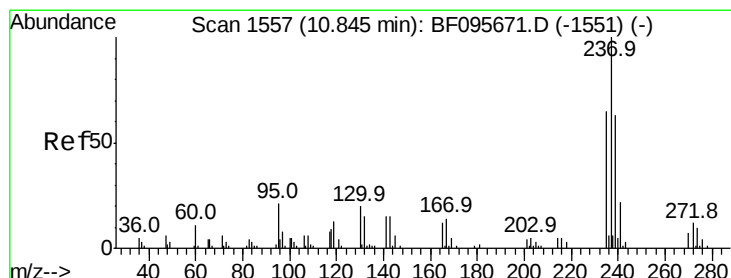
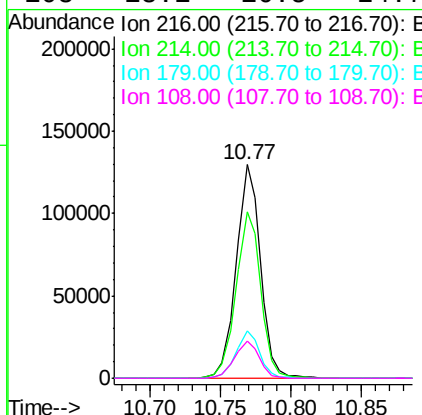
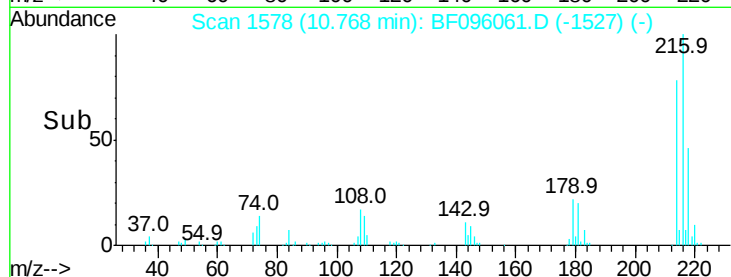
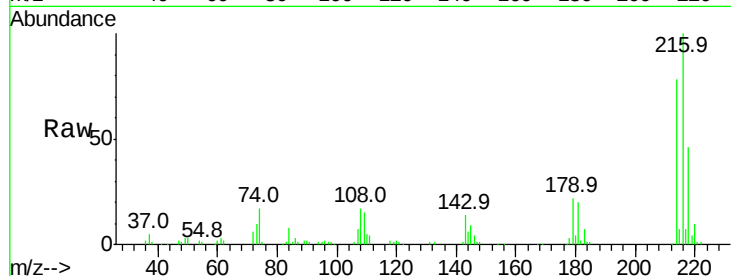
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 44.06 ng
 RT: 10.77 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: BF096061.D
 Acq: 21 Jun 2017 00:00

Instrument :
 BNA_F
 ClientSampleId :
 TK4-1-20170619MSD

Tot Ion	Ratio	Resp	Lower	Upper
216	100	155209		
214	79.2		63.4	95.2
179	21.8		17.9	26.9
108	18.1		16.5	24.7

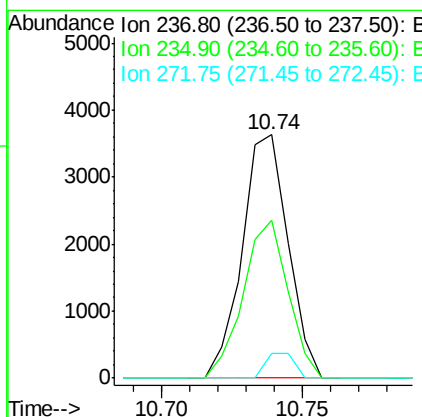
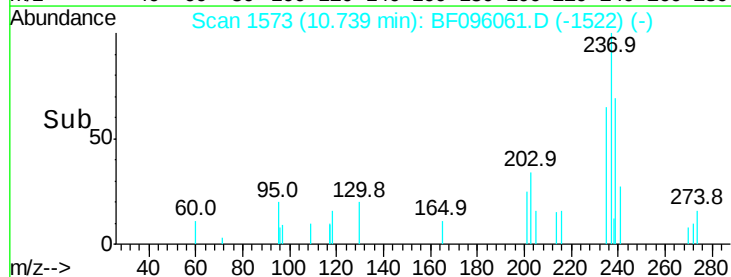
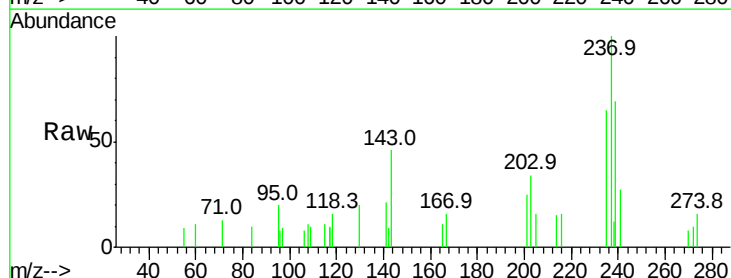
Manual Integrations
 APPROVED

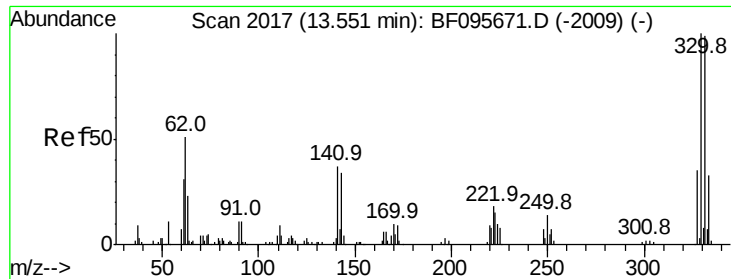
mohammad
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#40
 Hexachlorocyclopentadiene
 Concen: 14.43 ng
 RT: 10.74 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: BF096061.D
 Acq: 21 Jun 2017 00:00

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	4100		
235	65.1		42.6	82.6
272	9.9		0.0	31.9





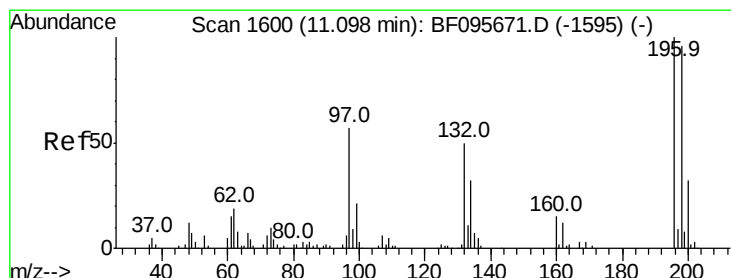
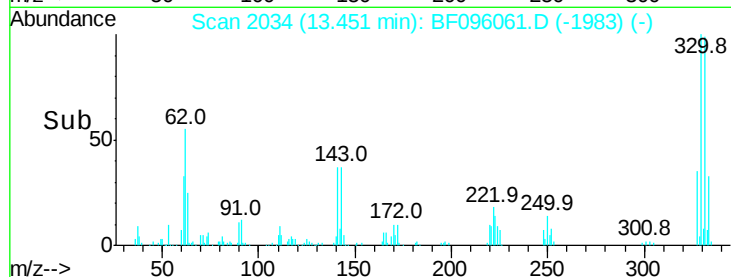
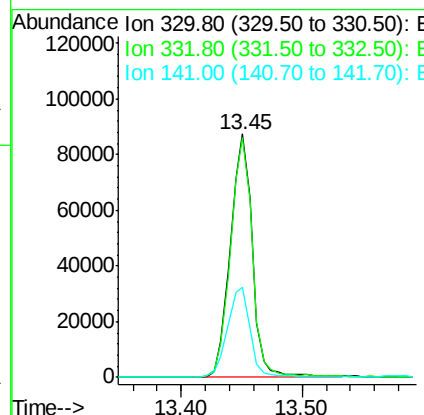
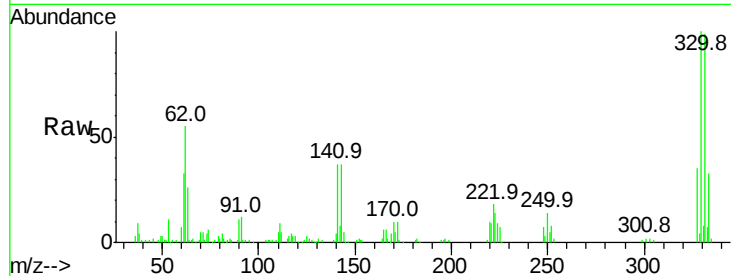
#41
 2,4,6-Tribromophenol
 Concen: 106.19 ng
 RT: 13.45 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: BF096061.D
 Acq: 21 Jun 2017 00:00

Instrument :
 BNA_F
 ClientSampleId :
 TK4-1-20170619MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100	110594		
332	98.3	76.6	115.0	
141	38.3	31.4	47.2	

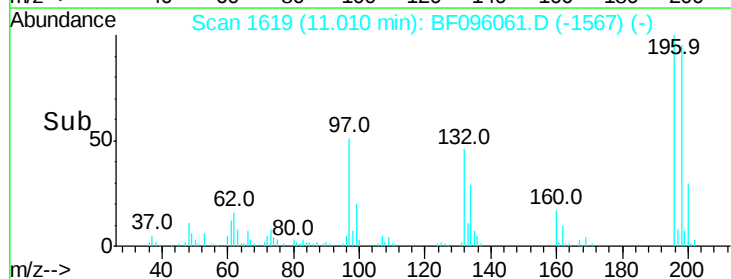
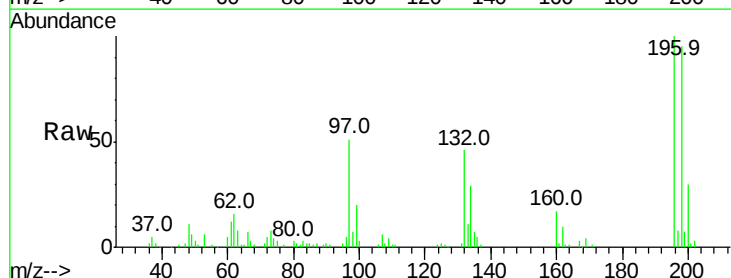
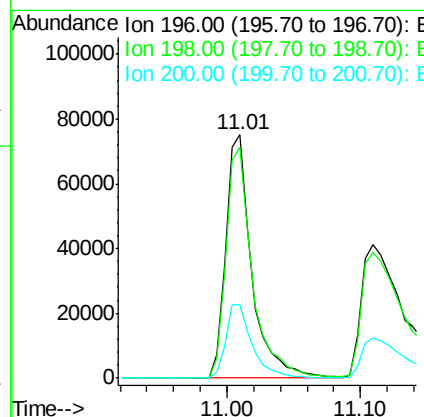
Manual Integrations
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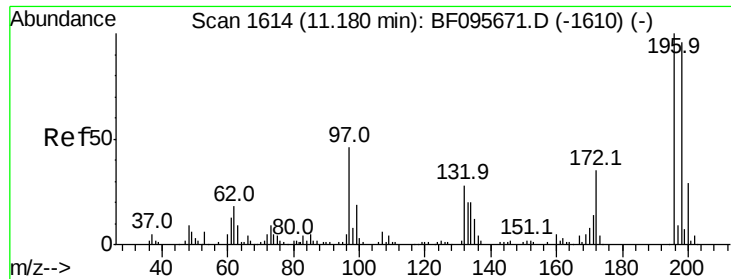
mohammad
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#42
 2,4,6-Trichlorophenol
 Concen: 45.68 ng
 RT: 11.01 min Scan# 1619
 Delta R.T. 0.01 min
 Lab File: BF096061.D
 Acq: 21 Jun 2017 00:00

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	103458		
198	94.8	74.2	111.4	
200	30.4	24.0	36.0	





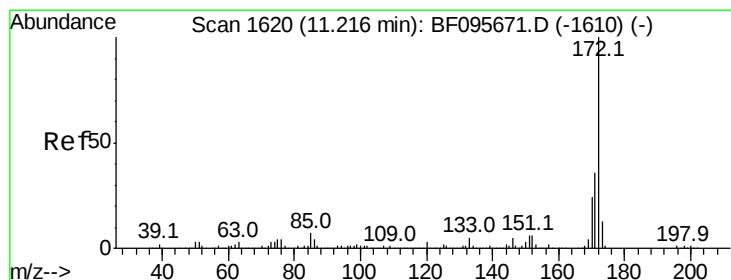
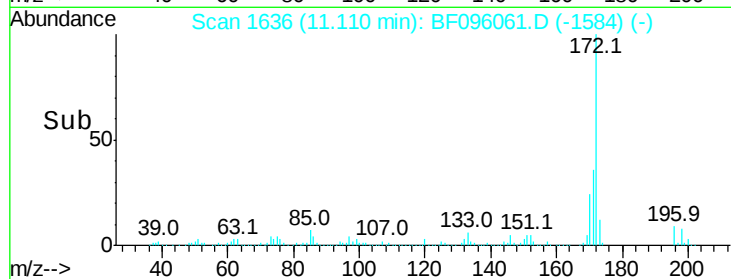
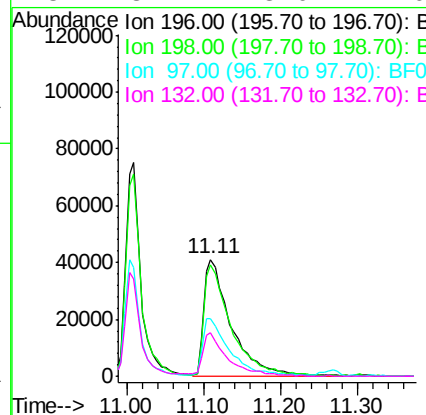
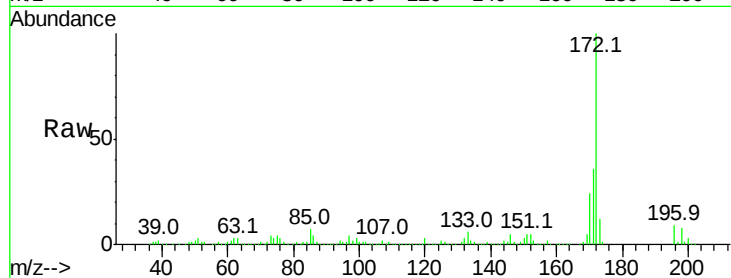
#43
 2,4,5-Trichlorophenol
 Concen: 42.05 ng
 RT: 11.11 min Scan# 1636
 Delta R.T. 0.01 min
 Lab File: BF096061.D
 Acq: 21 Jun 2017 00:00

Instrument :
 BNA_F
 ClientSampleId :
 TK4-1-20170619MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	101319		
198	94.7	75.7	113.5	
97	49.5	47.7	71.5	
132	37.4	28.0	42.0	

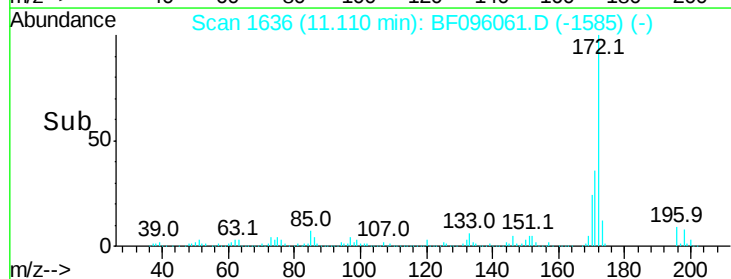
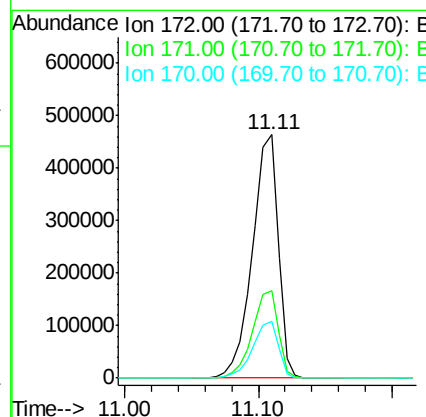
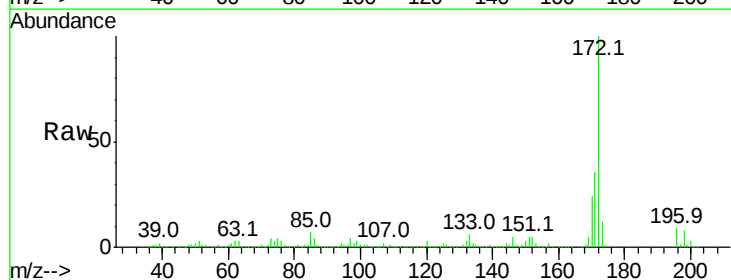
Manual Integrations
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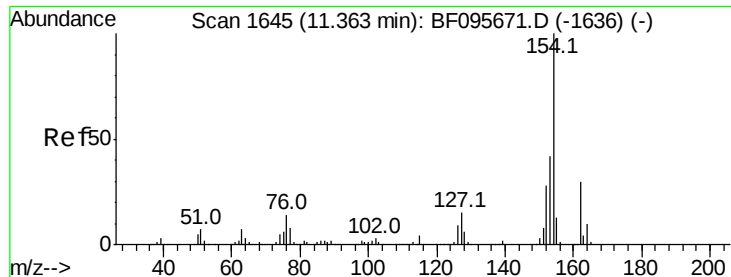
mohammad
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#44
 2-Fluorobiphenyl
 Concen: 72.63 ng
 RT: 11.11 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: BF096061.D
 Acq: 21 Jun 2017 00:00

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	614386		
171	35.8	29.6	44.4	
170	23.5	19.8	29.8	





#45

1,1'-Biphenyl

Concen: 44.80 ng

RT: 11.26 min Scan# 1661

Delta R.T. -0.00 min

Lab File: BF096061.D

Acq: 21 Jun 2017 00:00

Instrument :

BNA_F

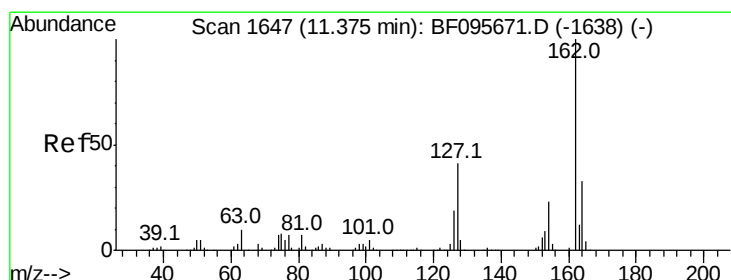
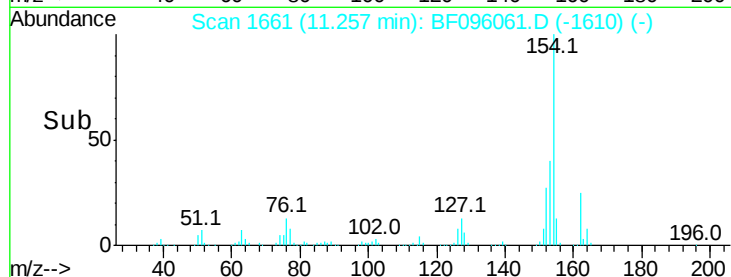
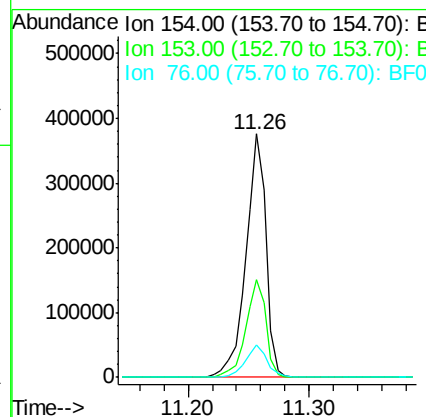
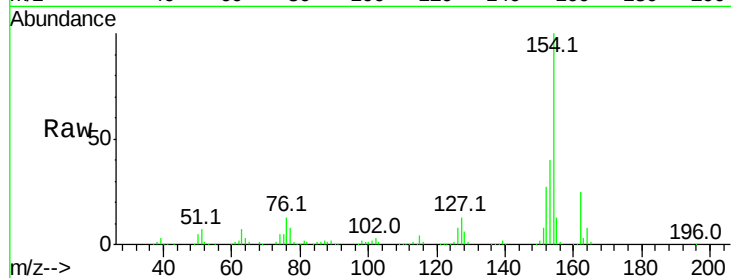
ClientSampleId :

TK4-1-20170619MSD

Tot Ion:	154	Resp:	434640
Ion Ratio	Lower	Upper	
154	100		
153	40.2	21.2	61.2
76	13.4	0.0	29.9

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#46

2-Chloronaphthalene

Concen: 42.83 ng

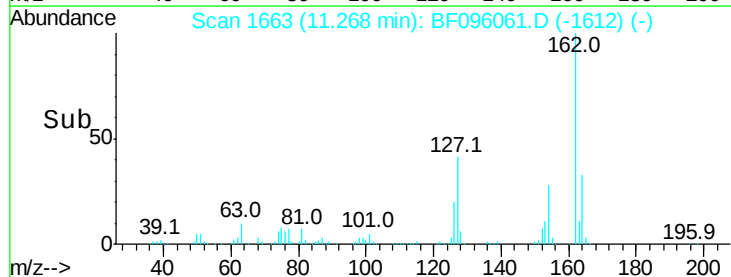
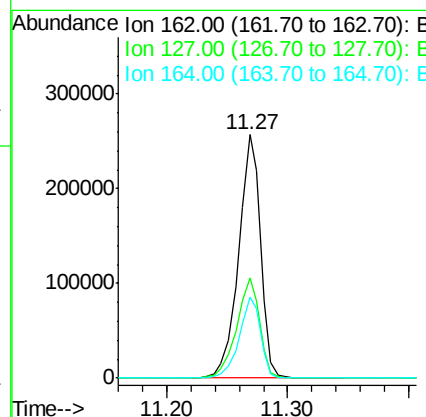
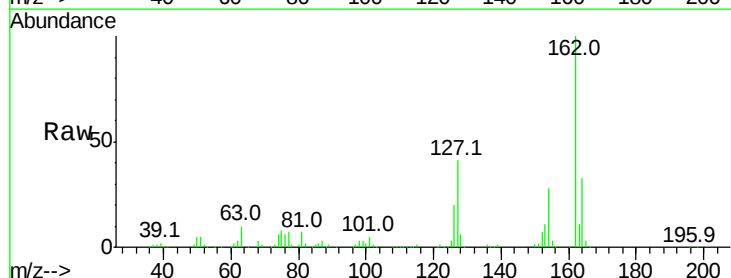
RT: 11.27 min Scan# 1663

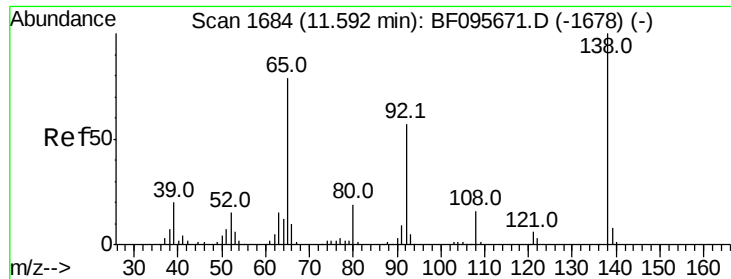
Delta R.T. -0.00 min

Lab File: BF096061.D

Acq: 21 Jun 2017 00:00

Tgt Ion:	162	Resp:	324684
Ion Ratio	Lower	Upper	
162	100		
127	41.1	28.3	42.5
164	33.1	27.0	40.4





#47

2-Nitroaniline

Concen: 45.67 ng

RT: 11.50 min Scan# 1702

Delta R.T. -0.00 min

Lab File: BF096061.D

Acq: 21 Jun 2017 00:00

Instrument :

BNA_F

ClientSampleId :

TK4-1-20170619MSD

Tot Ion: 65 Resp: 101310

Ion Ratio Lower Upper

65 100

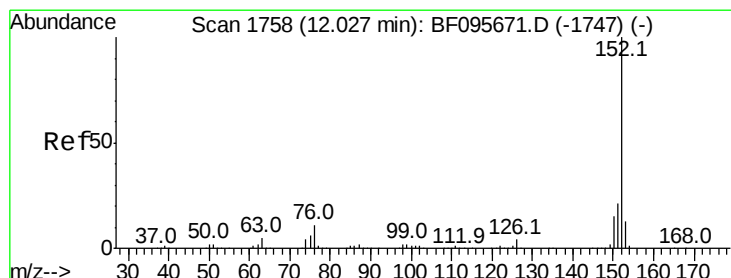
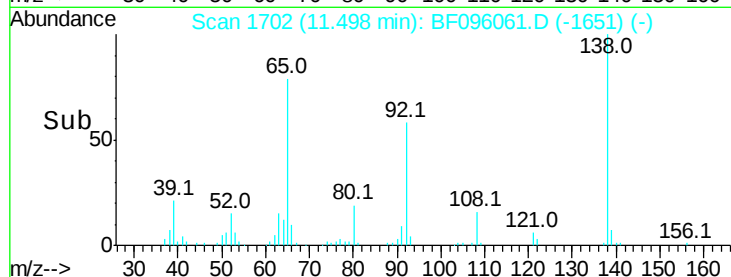
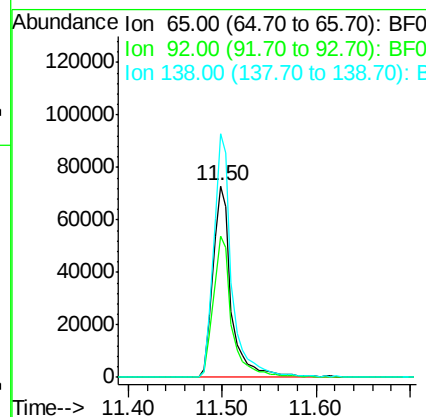
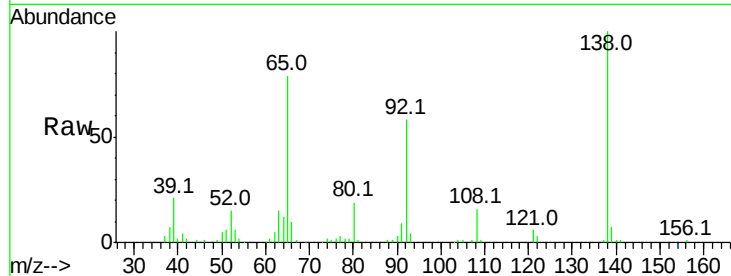
92 73.9 53.9 80.9

138 127.3 78.8 118.2#

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#48

Acenaphthylene

Concen: 43.74 ng

RT: 11.92 min Scan# 1774

Delta R.T. -0.00 min

Lab File: BF096061.D

Acq: 21 Jun 2017 00:00

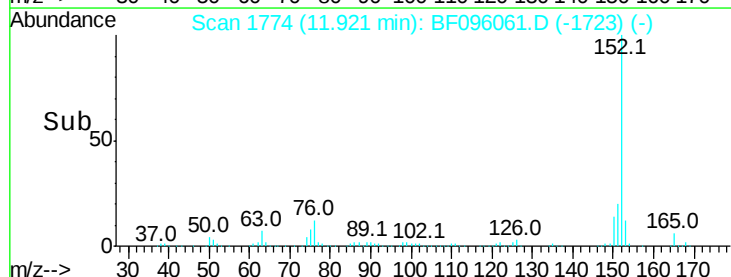
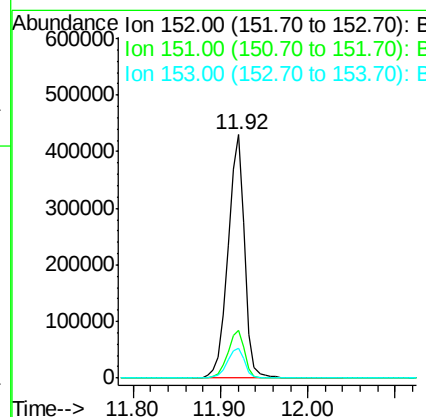
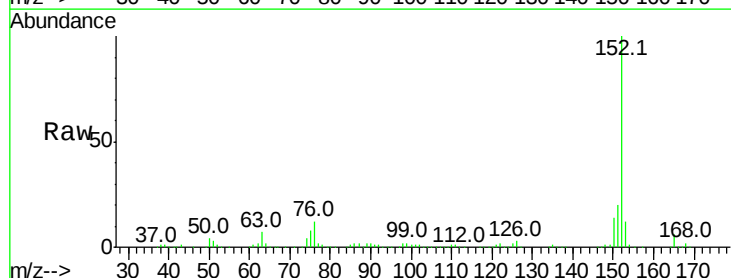
Tgt Ion: 152 Resp: 566966

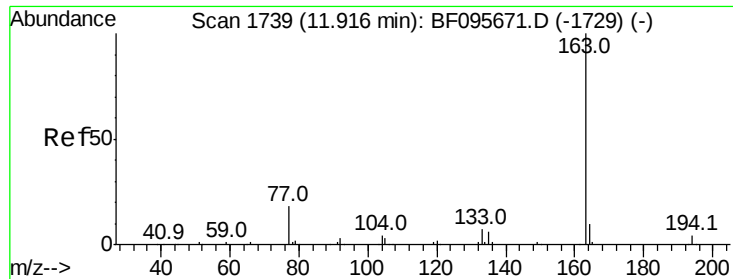
Ion Ratio Lower Upper

152 100

151 19.7 16.8 25.2

153 12.3 10.8 16.2





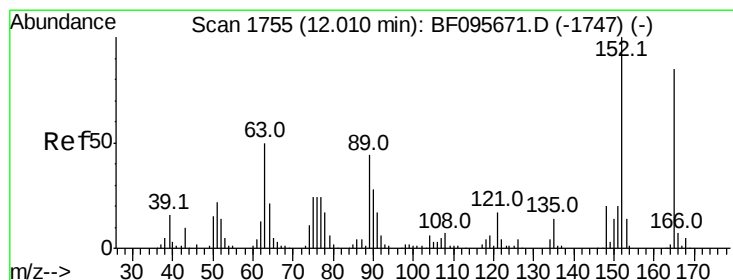
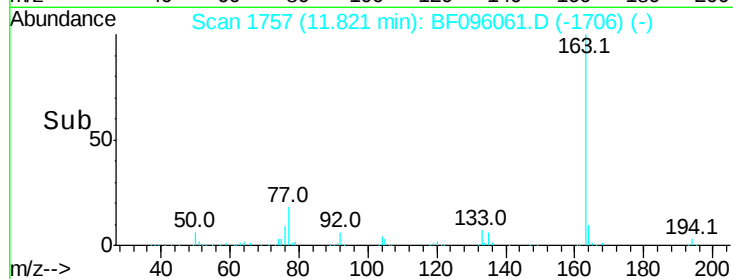
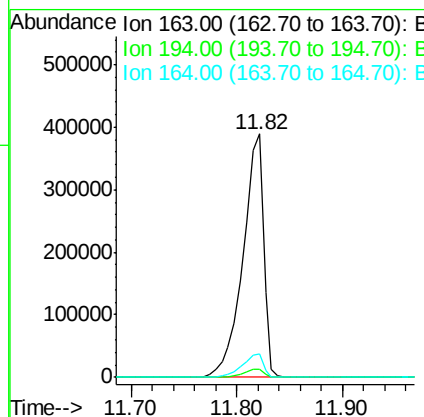
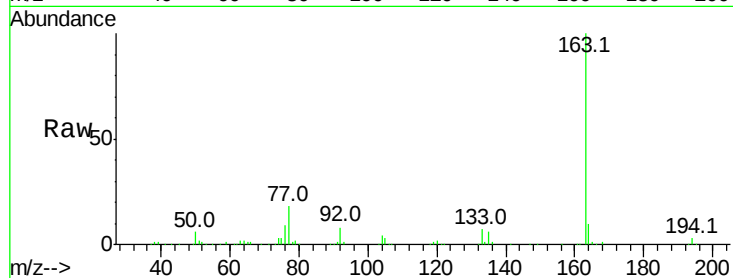
#49
Dimethylphthalate
Concen: 59.00 ng
RT: 11.82 min Scan# 1757
Delta R.T. -0.00 min
Lab File: BF096061.D
Acq: 21 Jun 2017 00:00

Instrument :
BNA_F
ClientSampleId :
TK4-1-20170619MSD

Tot Ion	Ratio	Resp	Lower	Upper
163	100	527330		
194	3.2		2.6	4.0
164	9.7		8.4	12.6

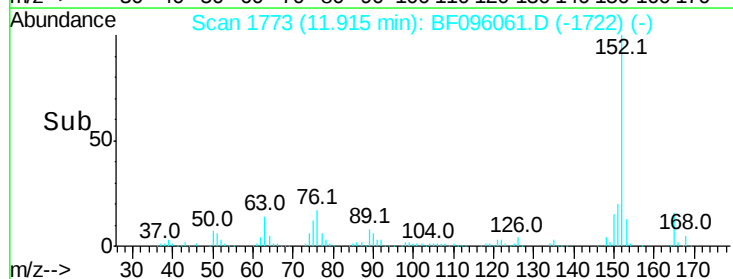
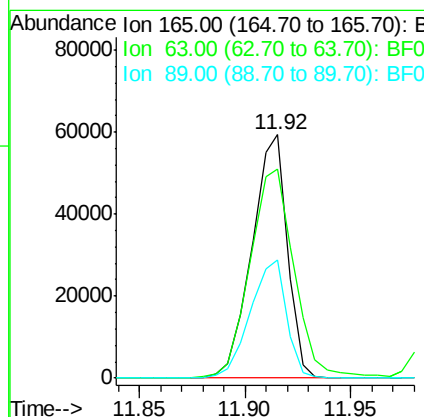
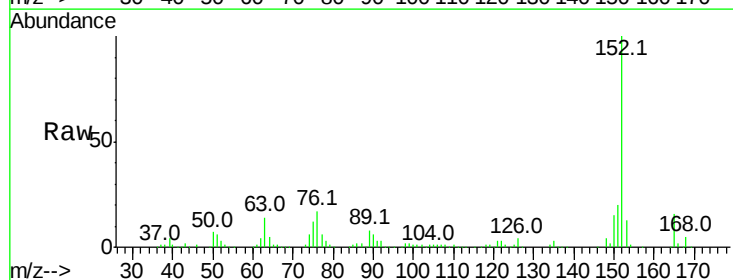
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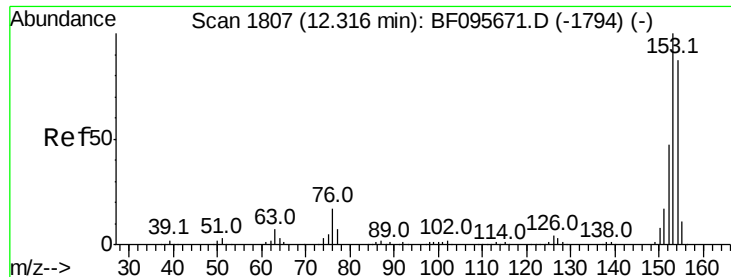
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#50
2,6-Dinitrotoluene
Concen: 35.43 ng
RT: 11.92 min Scan# 1773
Delta R.T. -0.00 min
Lab File: BF096061.D
Acq: 21 Jun 2017 00:00

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	69067		
63	85.8		34.3	51.5#
89	48.6		37.1	55.7





#51

Acenaphthene

Concen: 40.35 ng

RT: 12.20 min Scan# 1822

Delta R.T. -0.00 min

Lab File: BF096061.D

Acq: 21 Jun 2017 00:00

Instrument :

BNA_F

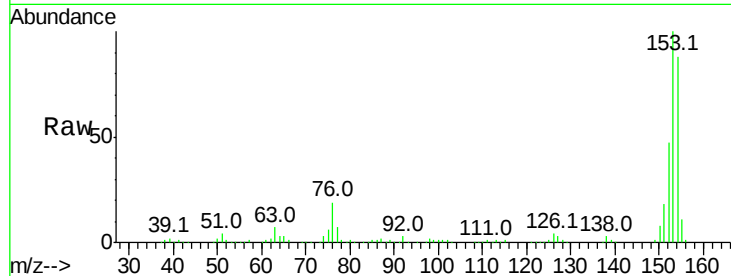
ClientSampleId :

TK4-1-20170619MSD

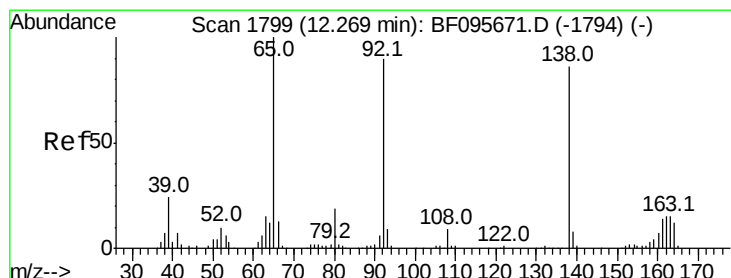
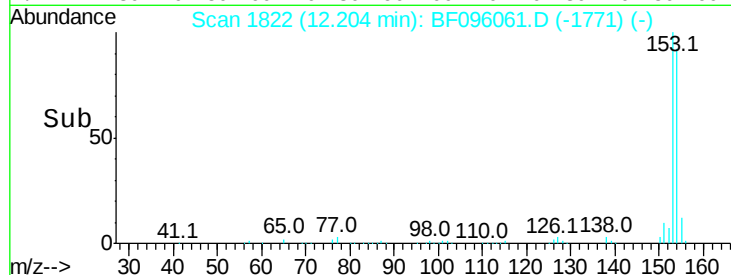
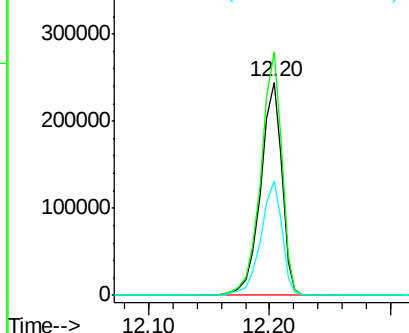
Tot Ion:	154	Resp:	302048
Ion Ratio	Lower	Upper	
154	100		
153	114.2	90.5	135.7
152	53.9	43.6	65.4

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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



#52

3-Nitroaniline

Concen: 39.30 ng

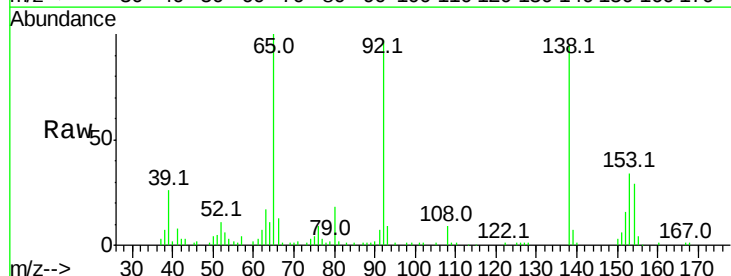
RT: 12.18 min Scan# 1818

Delta R.T. -0.00 min

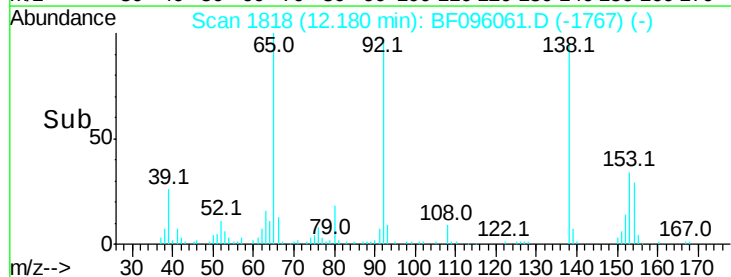
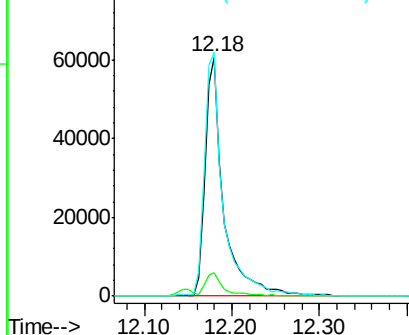
Lab File: BF096061.D

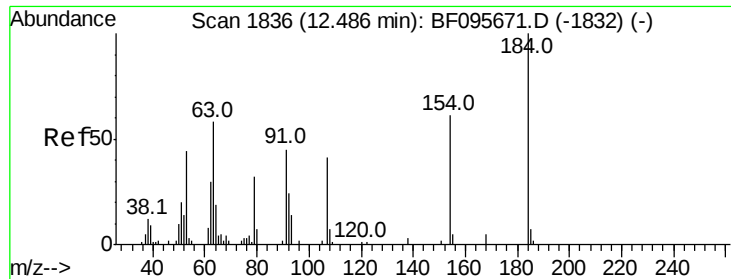
Acq: 21 Jun 2017 00:00

Tgt Ion:	138	Resp:	89260
Ion Ratio	Lower	Upper	
138	100		
108	9.8	9.1	13.7
92	102.1	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





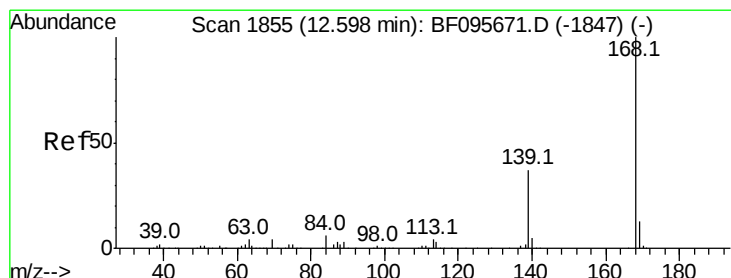
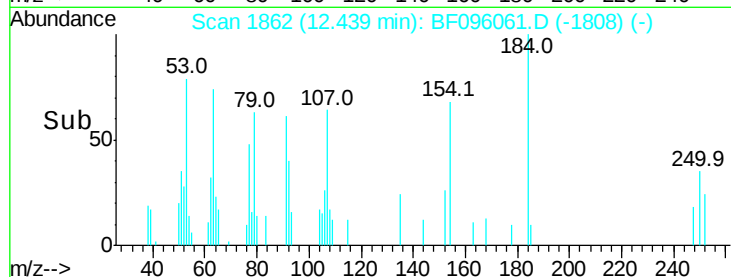
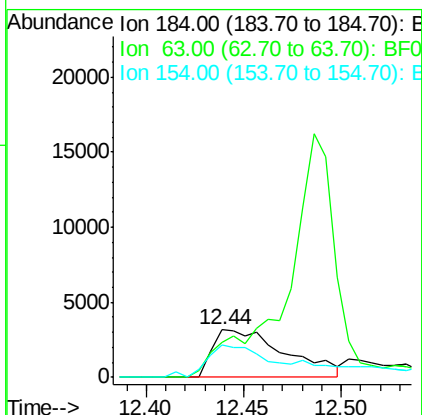
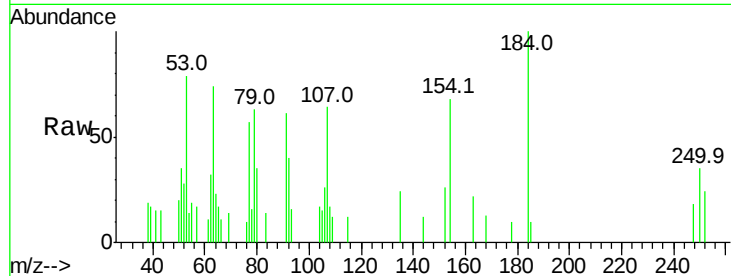
#53
2,4-Dinitrophenol
Concen: 13.35 ng
RT: 12.44 min Scan# 1862
Delta R.T. 0.02 min
Lab File: BF096061.D
Acq: 21 Jun 2017 00:00

Instrument :
BNA_F
ClientSampleId :
TK4-1-20170619MSD

Tot Ion:184 Resp: 8263
Ion Ratio Lower Upper
184 100
63 74.4 62.7 94.1
154 68.0 81.1 121.7#

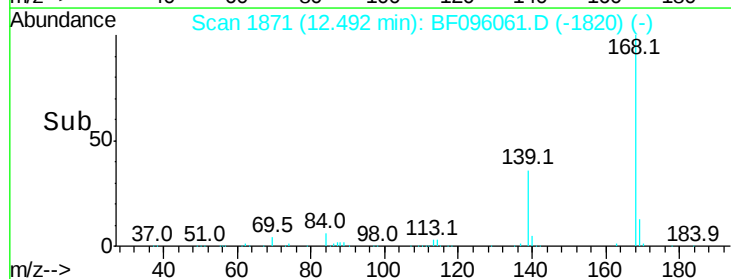
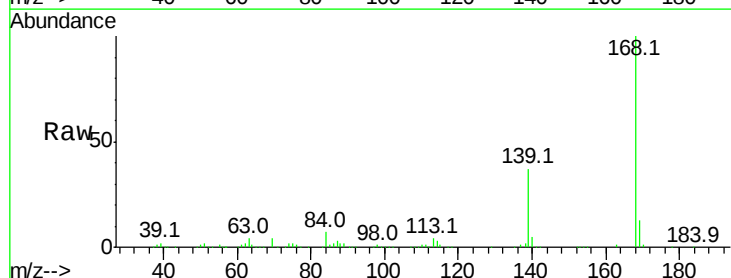
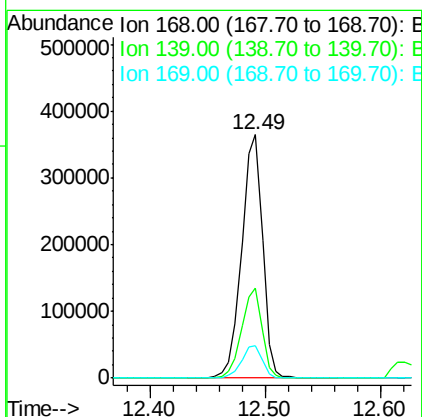
Manual Integrations
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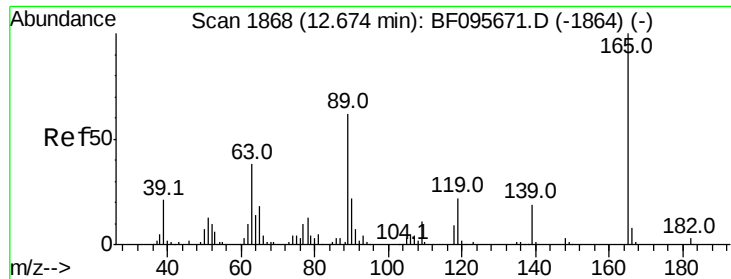
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#54
Dibenzofuran
Concen: 43.49 ng
RT: 12.49 min Scan# 1871
Delta R.T. -0.00 min
Lab File: BF096061.D
Acq: 21 Jun 2017 00:00

Tgt Ion:168 Resp: 458271
Ion Ratio Lower Upper
168 100
139 36.7 30.6 45.8
169 13.3 10.8 16.2





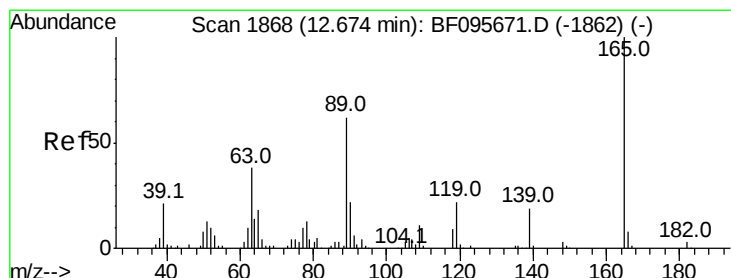
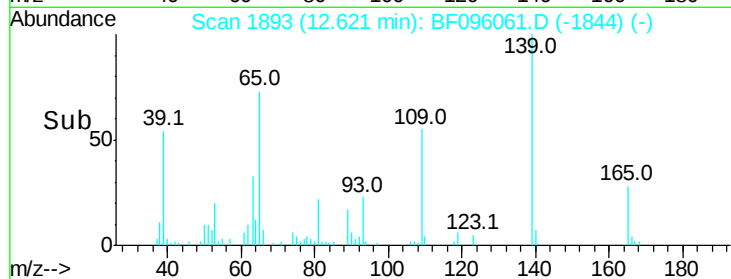
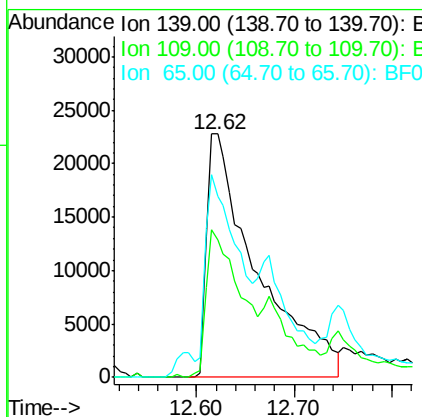
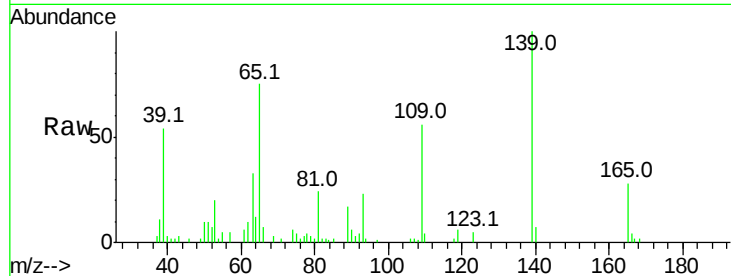
#55
4-Nitrophenol
Concen: 62.43 ng
RT: 12.62 min Scan# 1893
Delta R.T. -0.01 min
Lab File: BF096061.D
Acq: 21 Jun 2017 00:00

Instrument :
BNA_F
ClientSampleId :
TK4-1-20170619MSD

Tot Ion	Ratio	Lower	Upper
139	100		
109	56.4	34.1	74.1
65	74.6	31.4	71.4

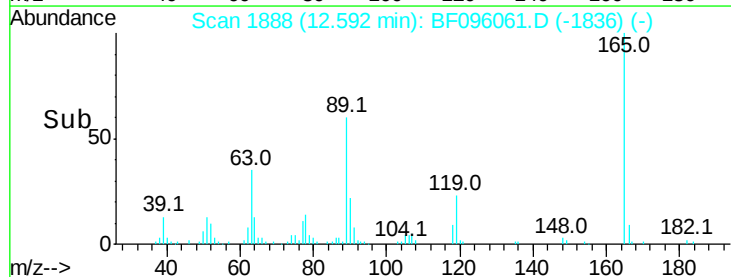
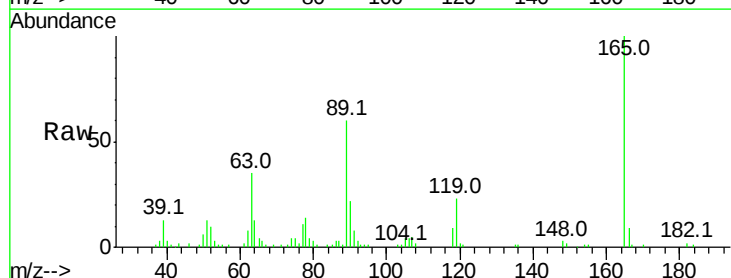
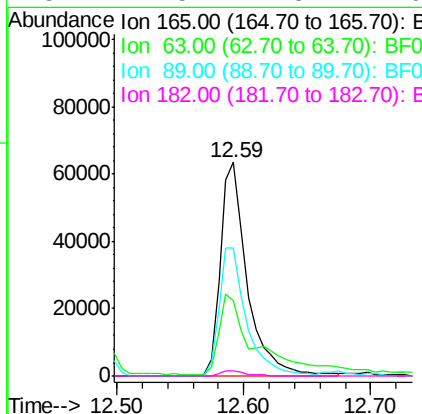
Manual Integrations
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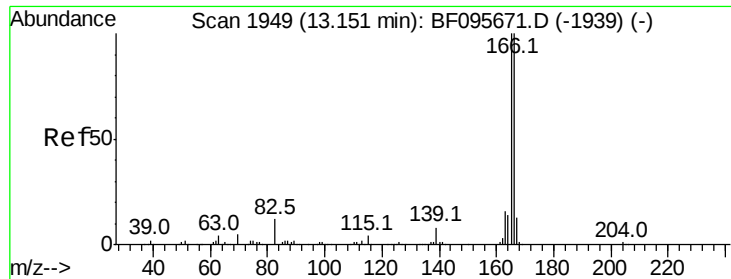
mohammad
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#56
2,4-Dinitrotoluene
Concen: 35.46 ng
RT: 12.59 min Scan# 1888
Delta R.T. 0.01 min
Lab File: BF096061.D
Acq: 21 Jun 2017 00:00

Tgt Ion	Ratio	Lower	Upper
165	100		
63	35.3	25.4	38.0
89	60.1	46.4	69.6
182	2.5	1.8	2.6





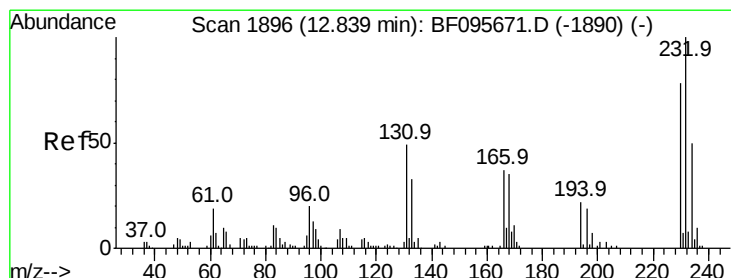
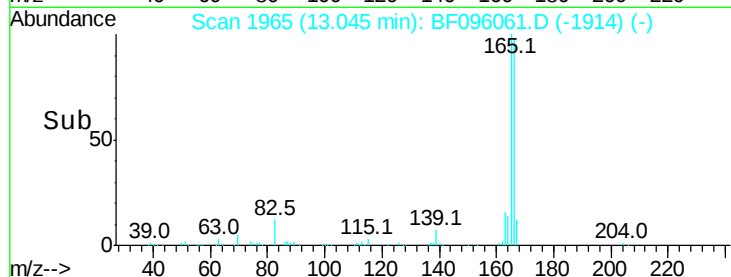
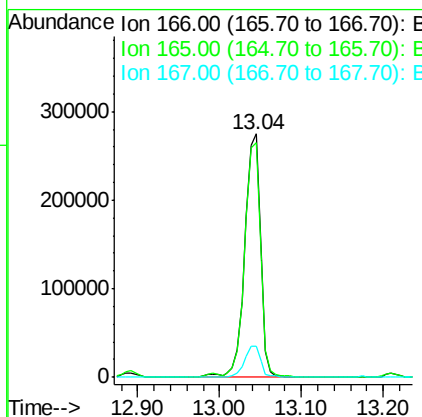
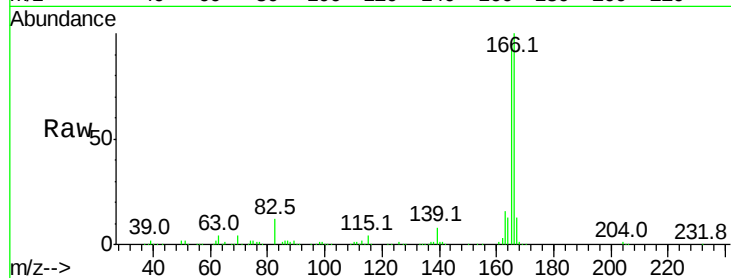
#57
 Fluorene
 Concen: 40.12 ng
 RT: 13.04 min Scan# 1965
 Delta R.T. -0.00 min
 Lab File: BF096061.D
 Acq: 21 Jun 2017 00:00

Instrument :
 BNA_F
 ClientSampleId :
 TK4-1-20170619MSD

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.4	78.8	118.2
167	13.0	10.6	16.0

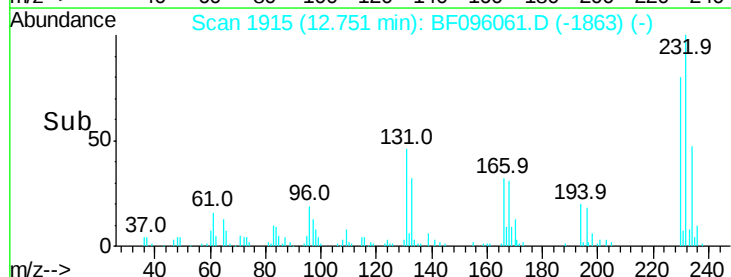
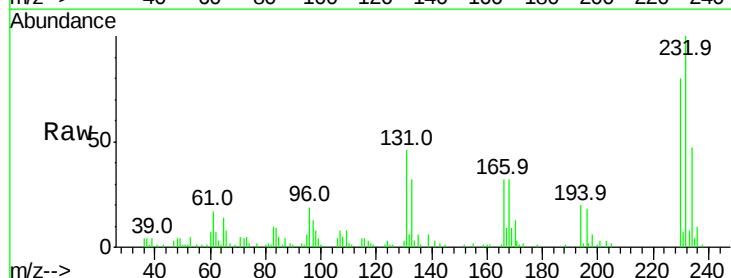
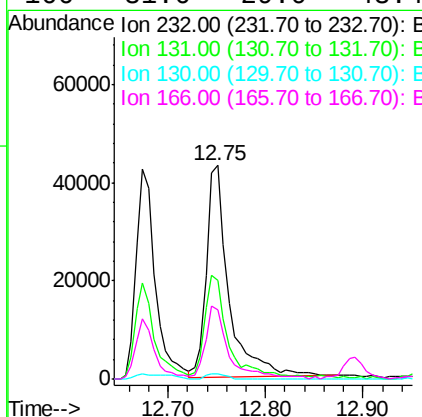
Manual Integrations
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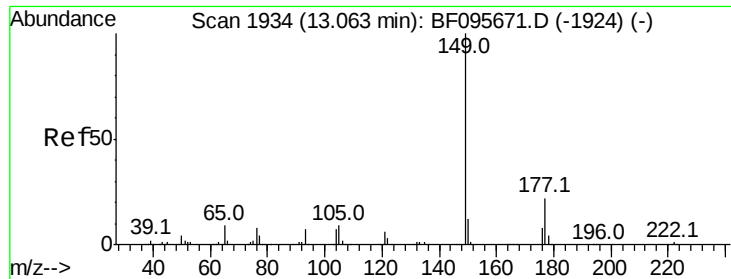
mohammad
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#58
 2,3,4,6-Tetrachlorophenol
 Concen: 42.21 ng
 RT: 12.75 min Scan# 1915
 Delta R.T. 0.01 min
 Lab File: BF096061.D
 Acq: 21 Jun 2017 00:00

Tgt Ion	Ratio	Lower	Upper
232	100		
131	52.1	44.8	67.2
130	2.1	2.3	3.5#
166	31.6	29.0	43.4





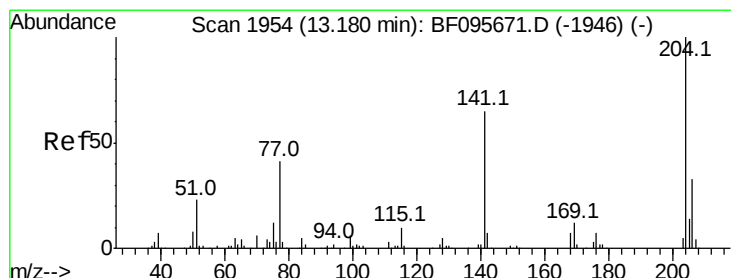
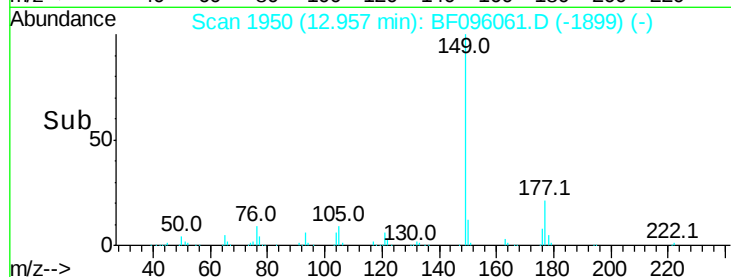
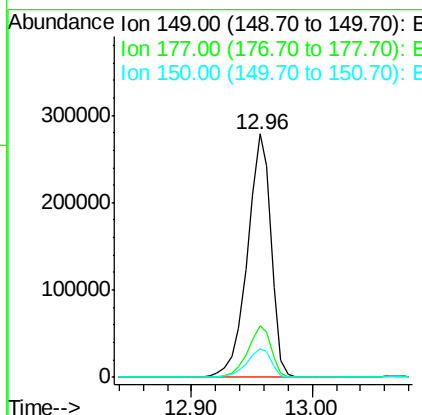
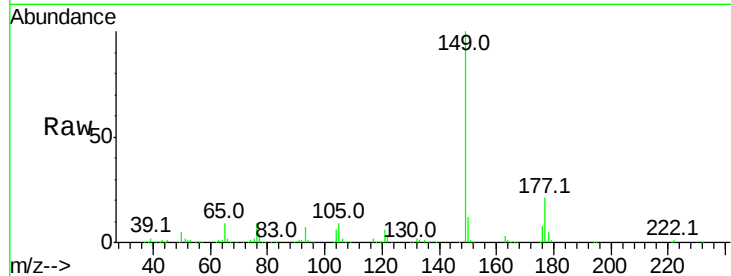
#59
Diethylphthalate
Concen: 44.39 ng
RT: 12.96 min Scan# 1950
Delta R.T. -0.00 min
Lab File: BF096061.D
Acq: 21 Jun 2017 00:00

Instrument :
BNA_F
ClientSampleId :
TK4-1-20170619MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	381831		
177	21.2	16.7	25.1	
150	11.9	10.2	15.2	

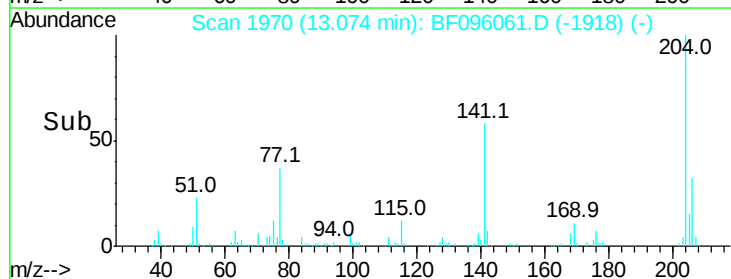
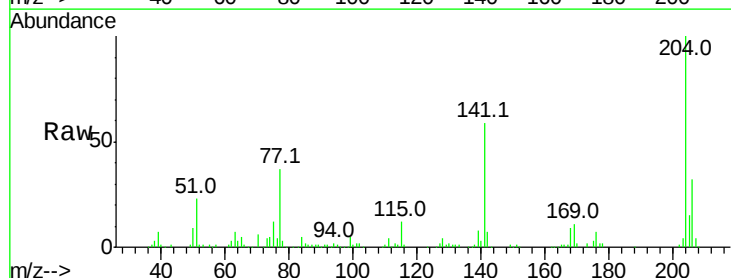
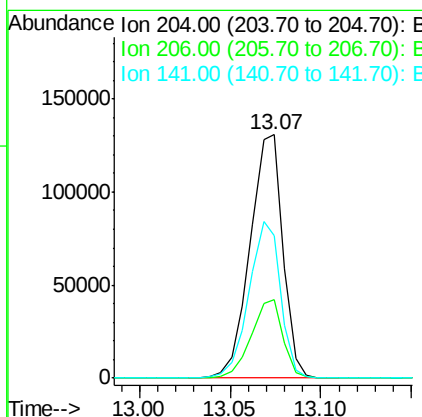
Manual Integrations
APPROVED

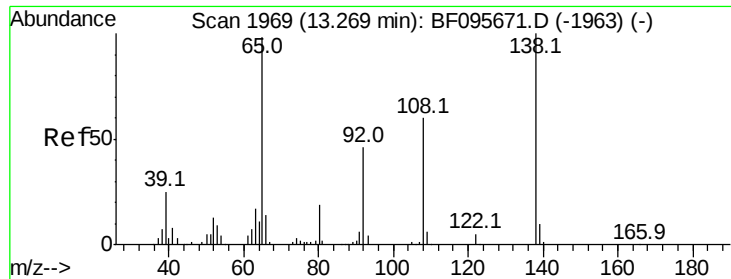
mohammad
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#60
4-Chlorophenyl-phenylether
Concen: 41.30 ng
RT: 13.07 min Scan# 1970
Delta R.T. 0.01 min
Lab File: BF096061.D
Acq: 21 Jun 2017 00:00

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	164668		
206	32.3	26.2	39.2	
141	58.5	60.8	91.2	





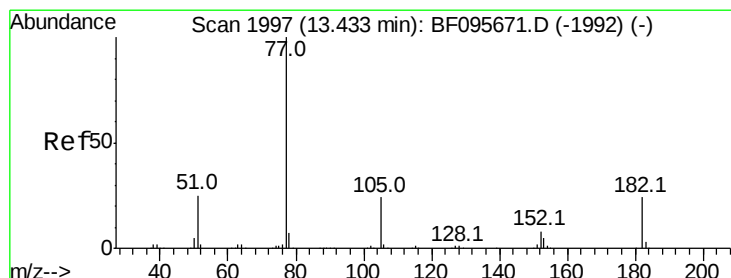
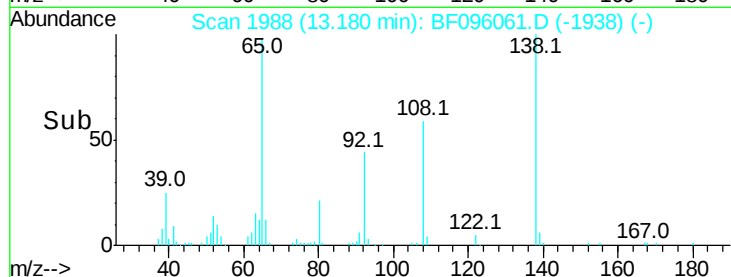
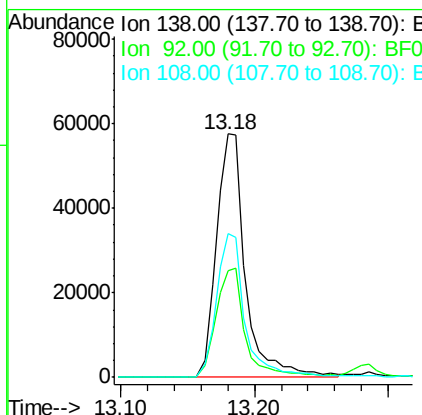
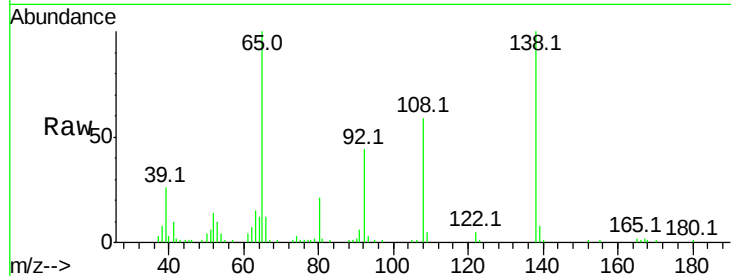
#61
4-Nitroaniline
Concen: 41.53 ng
RT: 13.18 min Scan# 1988
Delta R.T. -0.01 min
Lab File: BF096061.D
Acq: 21 Jun 2017 00:00

Instrument :
BNA_F
ClientSampleId :
TK4-1-20170619MSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	44.0	21.8	61.8
108	59.3	42.3	82.3

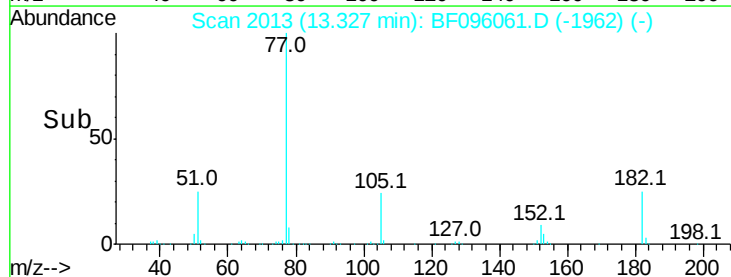
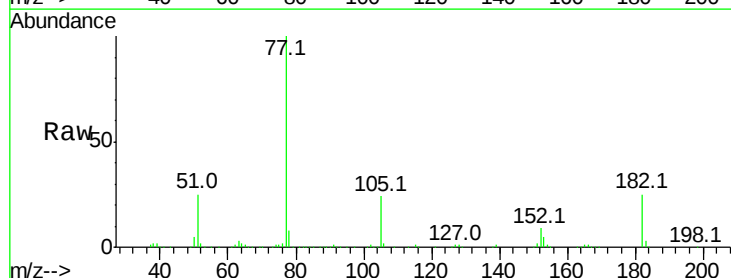
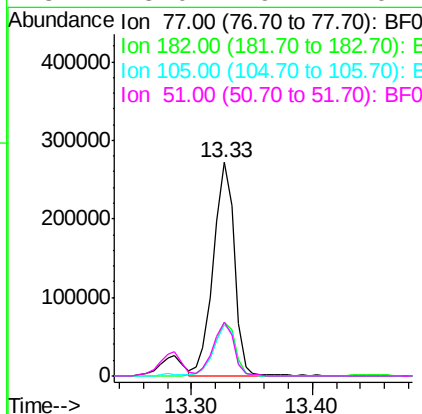
Manual Integrations
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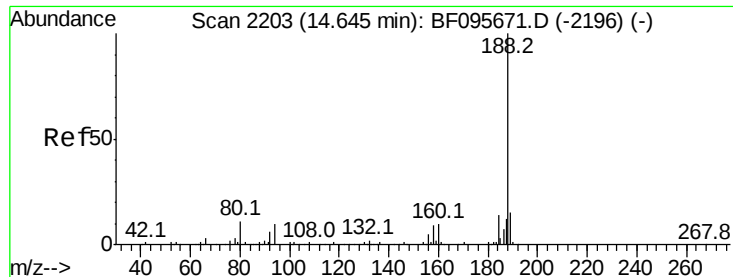
mohammad
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#62
Azobenzene
Concen: 41.70 ng
RT: 13.33 min Scan# 2013
Delta R.T. -0.00 min
Lab File: BF096061.D
Acq: 21 Jun 2017 00:00

Tgt Ion	Ratio	Lower	Upper
77	100		
182	25.1	0.1	40.1
105	23.8	3.6	43.6
51	25.0	9.4	49.4





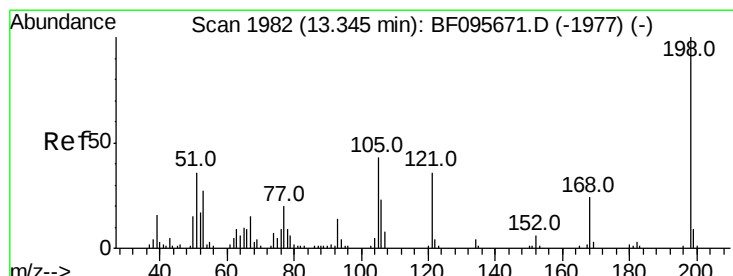
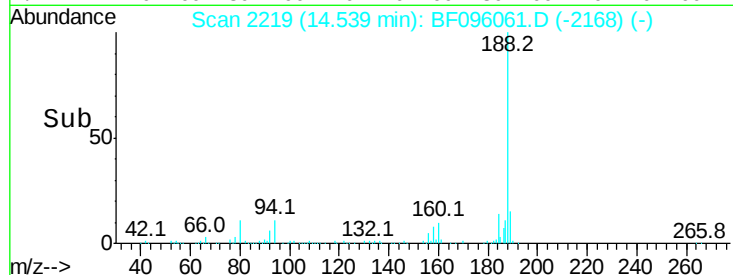
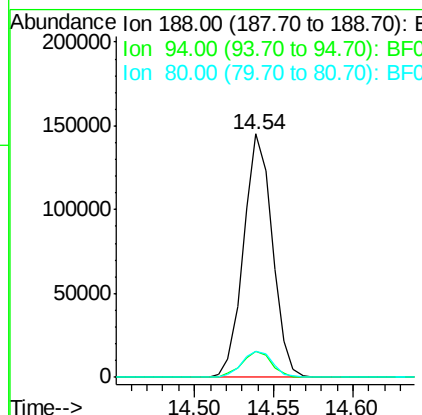
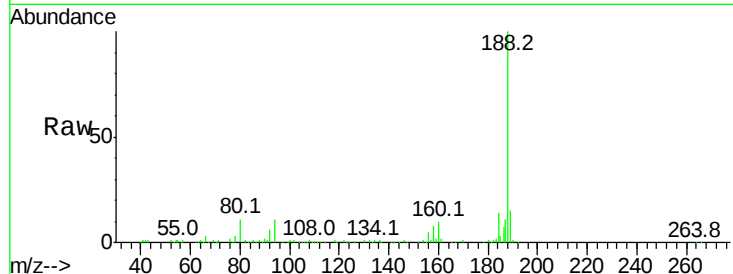
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.54 min Scan# 2219
Delta R.T. -0.00 min
Lab File: BF096061.D
Acq: 21 Jun 2017 00:00

Instrument :
BNA_F
ClientSampleId :
TK4-1-20170619MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.6	9.4	14.2
80	10.7	10.2	15.2

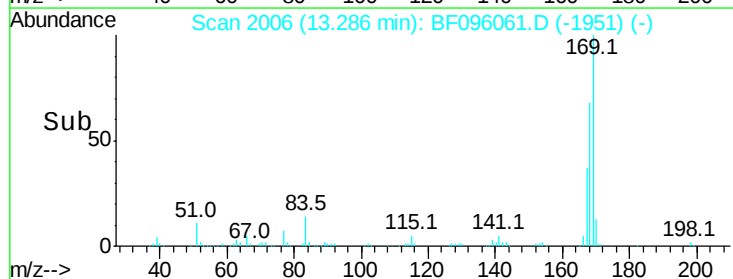
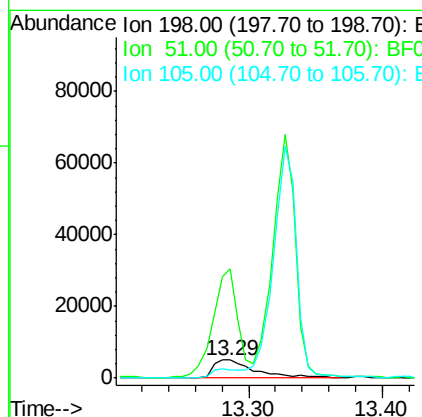
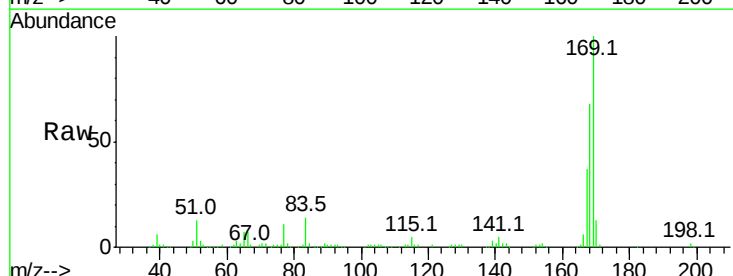
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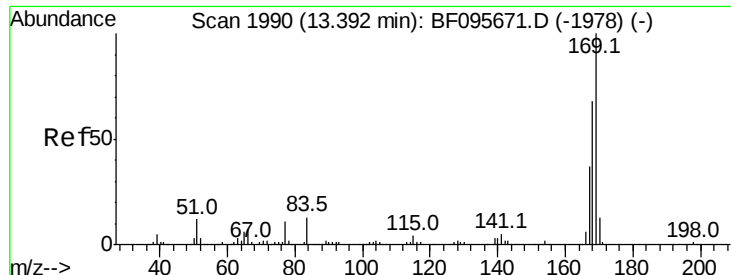
mohammad
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#64
4,6-Dinitro-2-methylphenol
Concen: 9.40 ng
RT: 13.29 min Scan# 2006
Delta R.T. 0.02 min
Lab File: BF096061.D
Acq: 21 Jun 2017 00:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
198	100		
51	608.7	53.2	93.2#
105	45.1	45.8	85.8#





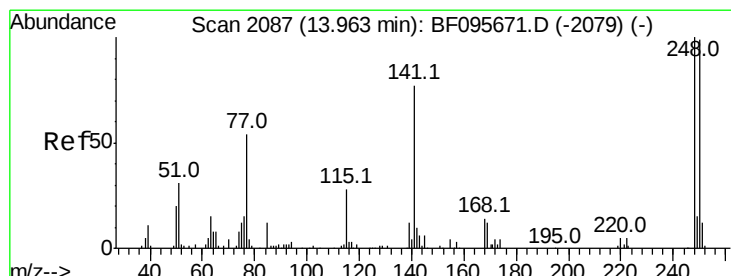
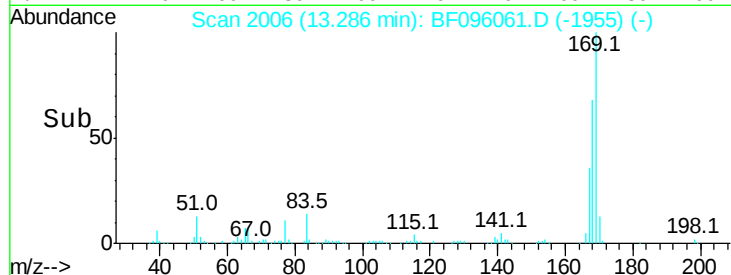
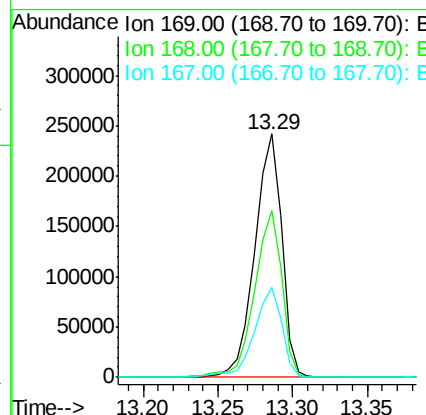
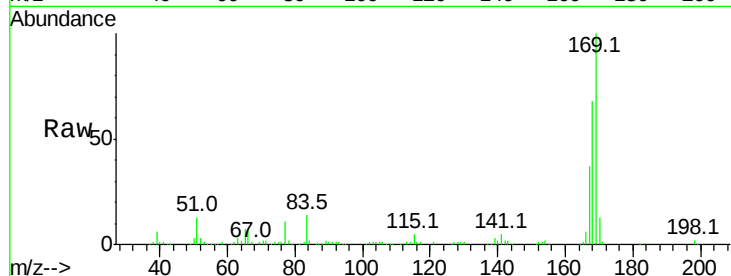
#65
n-Nitrosodiphenylamine
Concen: 45.81 ng
RT: 13.29 min Scan# 2006
Delta R.T. -0.00 min
Lab File: BF096061.D
Acq: 21 Jun 2017 00:00

Instrument :
BNA_F
ClientSampleId :
TK4-1-20170619MSD

Tot Ion	Ratio	Lower	Upper
169	100		
168	68.5	53.2	79.8
167	36.7	29.5	44.3

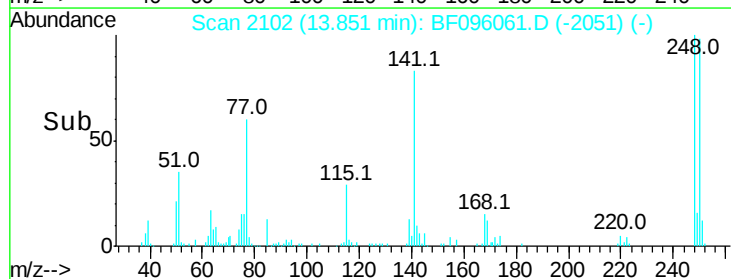
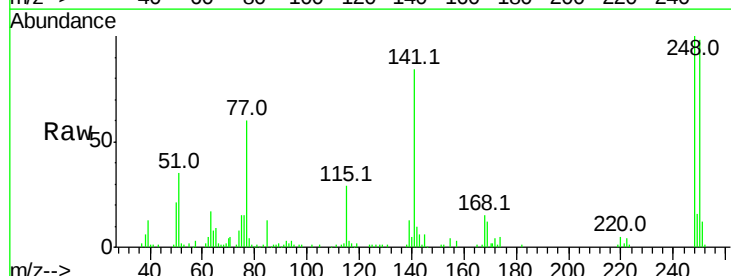
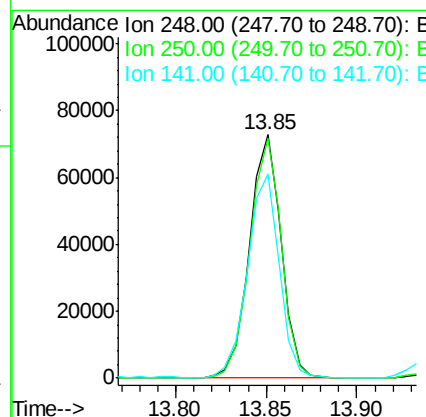
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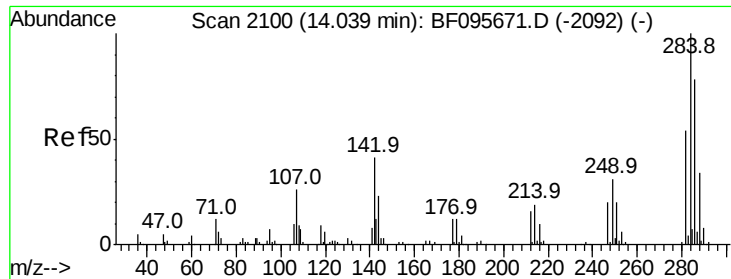
mohammad
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#66
4-Bromophenyl-phenylether
Concen: 46.65 ng
RT: 13.85 min Scan# 2102
Delta R.T. -0.00 min
Lab File: BF096061.D
Acq: 21 Jun 2017 00:00

Tgt Ion	Ratio	Lower	Upper
248	100		
250	98.3	76.8	115.2
141	83.5	68.6	103.0





#67

Hexachlorobenzene

Concen: 44.19 ng

RT: 13.94 min Scan# 2117

Delta R.T. -0.00 min

Lab File: BF096061.D

Acq: 21 Jun 2017 00:00

Instrument :

BNA_F

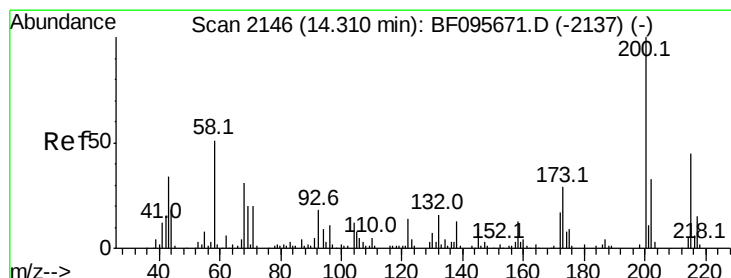
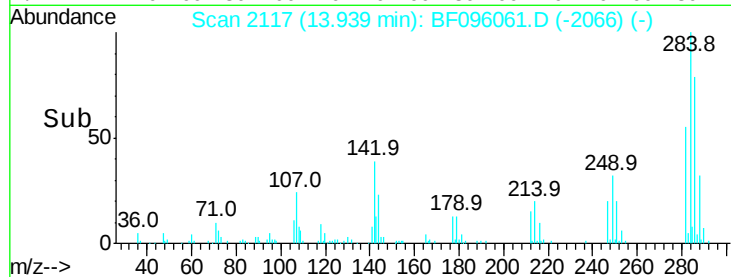
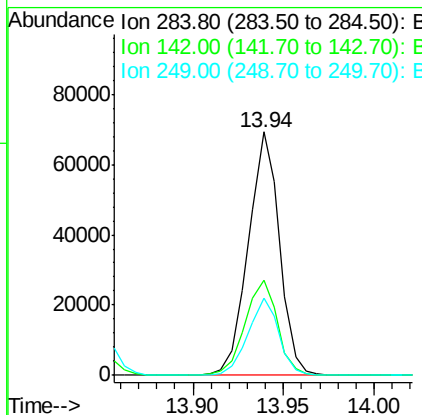
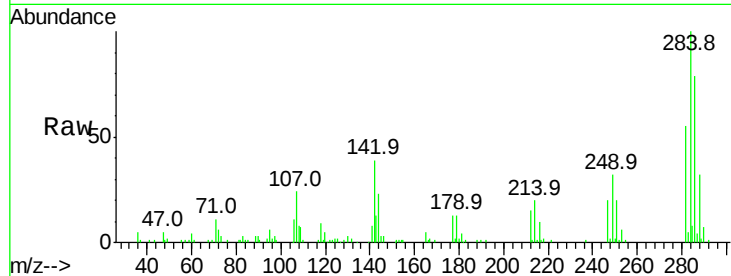
ClientSampleId :

TK4-1-20170619MSD

Tot Ion:	284	Resp:	82660
Ion Ratio	Lower	Upper	
284	100		
142	39.0	22.8	34.2#
249	31.7	24.0	36.0

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#68

Atrazine

Concen: 41.65 ng

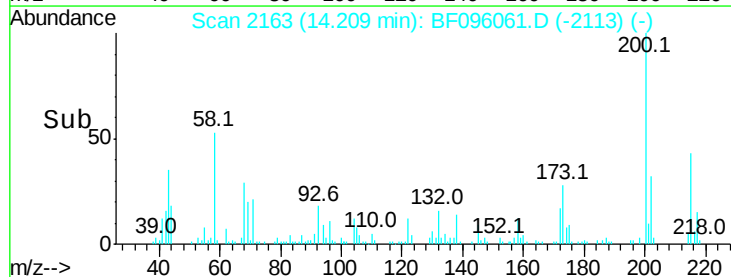
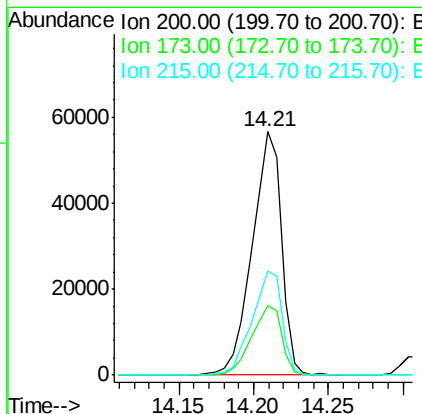
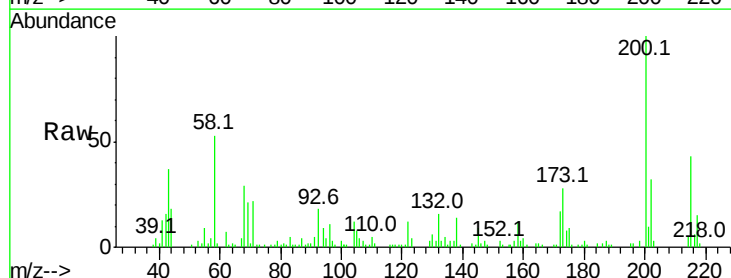
RT: 14.21 min Scan# 2163

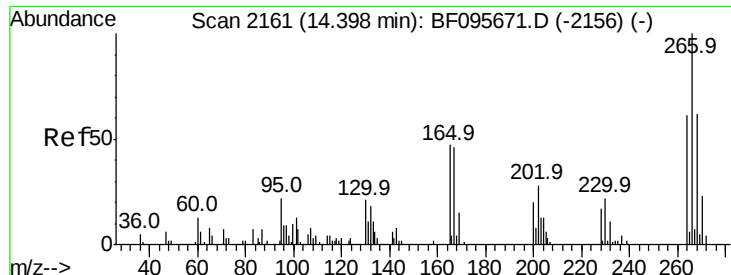
Delta R.T. -0.01 min

Lab File: BF096061.D

Acq: 21 Jun 2017 00:00

Tgt Ion:	200	Resp:	76087
Ion Ratio	Lower	Upper	
200	100		
173	28.5	6.3	46.3
215	42.7	27.2	67.2





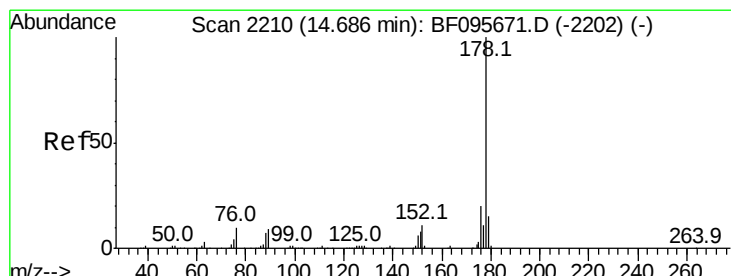
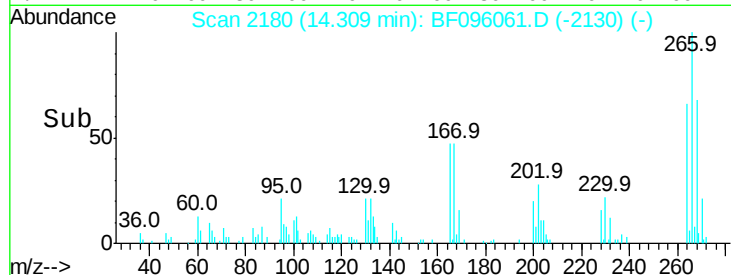
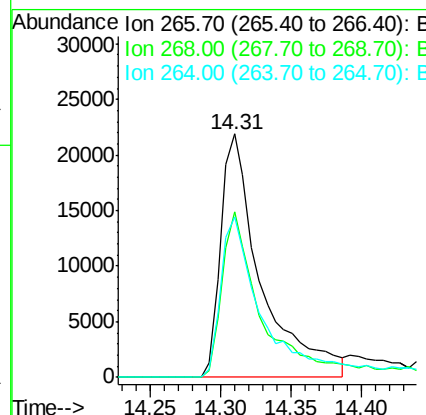
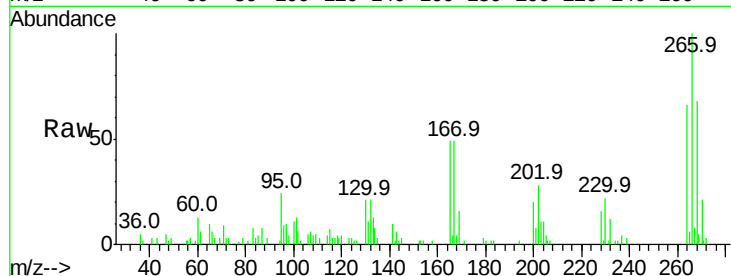
#69
 Pentachlorophenol
 Concen: 63.01 ng
 RT: 14.31 min Scan# 2180
 Delta R.T. -0.01 min
 Lab File: BF096061.D
 Acq: 21 Jun 2017 00:00

Instrument :
 BNA_F
 ClientSampleId :
 TK4-1-20170619MSD

Tot Ion	Ratio	Lower	Upper
266	100		
268	67.9	51.1	76.7
264	66.0	51.7	77.5

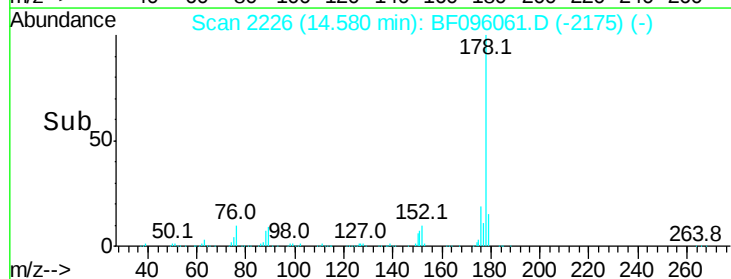
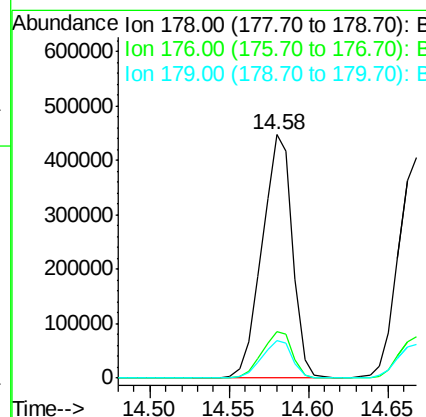
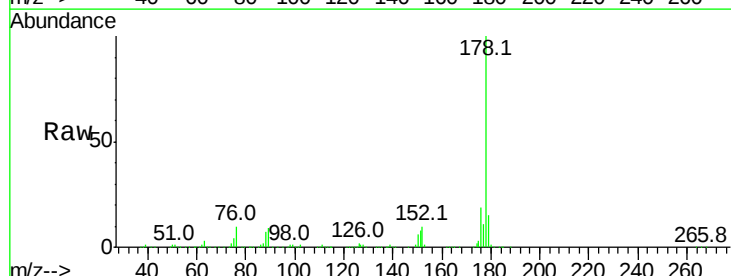
Manual Integrations
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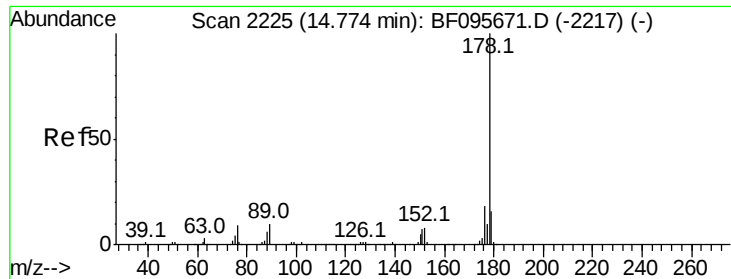
mohammad
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#70
 Phenanthrene
 Concen: 56.94 ng
 RT: 14.58 min Scan# 2226
 Delta R.T. -0.00 min
 Lab File: BF096061.D
 Acq: 21 Jun 2017 00:00

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.2	24.4
179	15.3	12.6	19.0





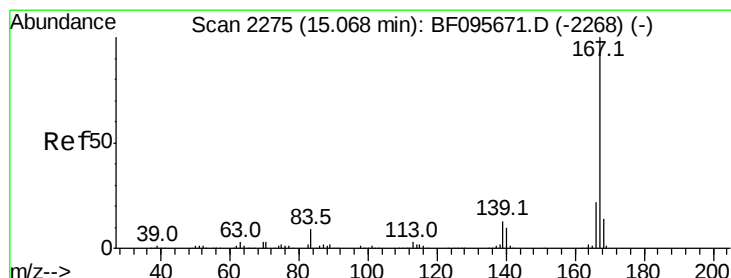
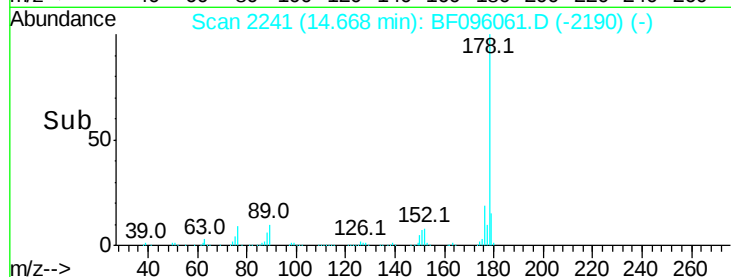
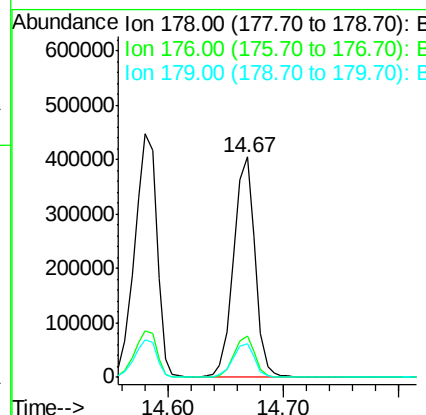
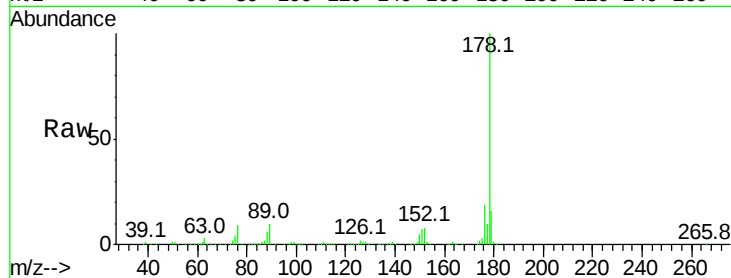
#71
 Anthracene
 Concen: 47.18 ng
 RT: 14.67 min Scan# 2241
 Delta R.T. -0.00 min
 Lab File: BF096061.D
 Acq: 21 Jun 2017 00:00

Instrument :
 BNA_F
 ClientSampleId :
 TK4-1-20170619MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.8
179	15.5	12.7	19.1

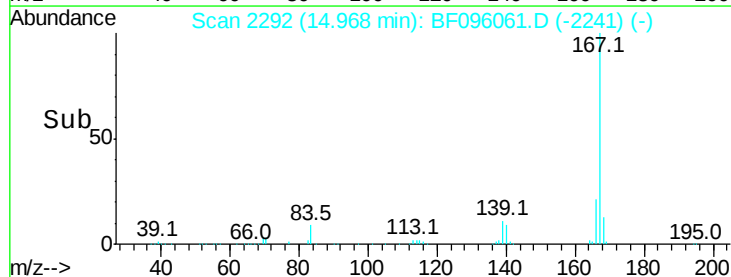
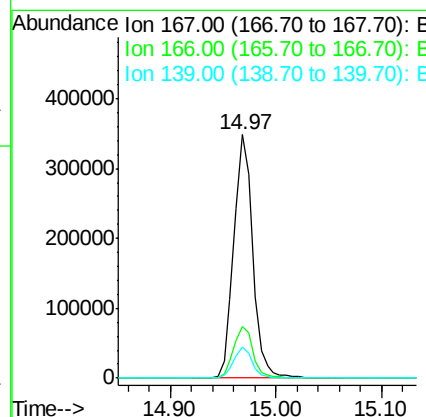
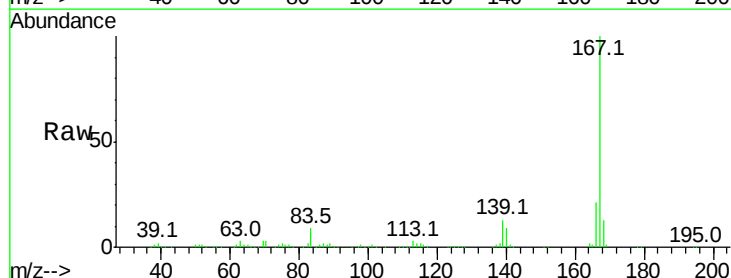
Manual Integrations
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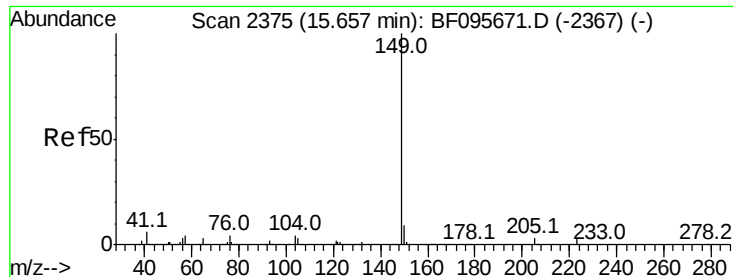
mohammad
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#72
 Carbazole
 Concen: 40.30 ng
 RT: 14.97 min Scan# 2292
 Delta R.T. -0.00 min
 Lab File: BF096061.D
 Acq: 21 Jun 2017 00:00

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.4	18.1	27.1
139	12.9	11.7	17.5





#73

Di-n-butylphthalate

Concen: 48.88 ng

RT: 15.56 min Scan# 2393

Delta R.T. -0.00 min

Lab File: BF096061.D

Acq: 21 Jun 2017 00:00

Instrument :

BNA_F

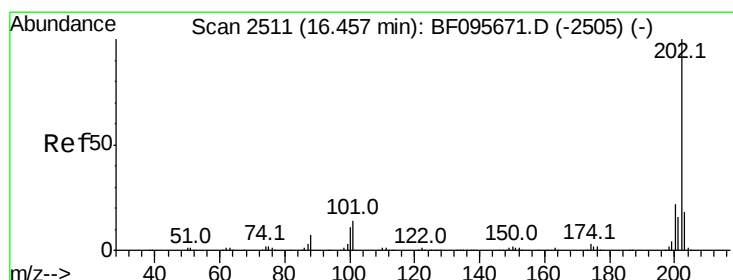
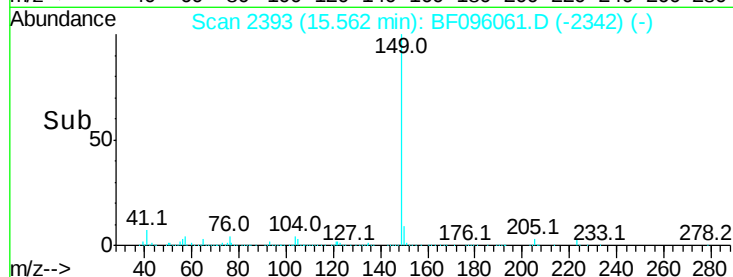
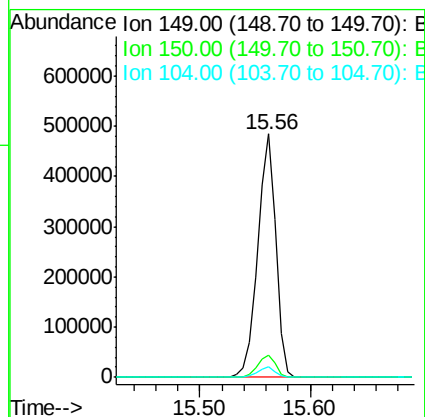
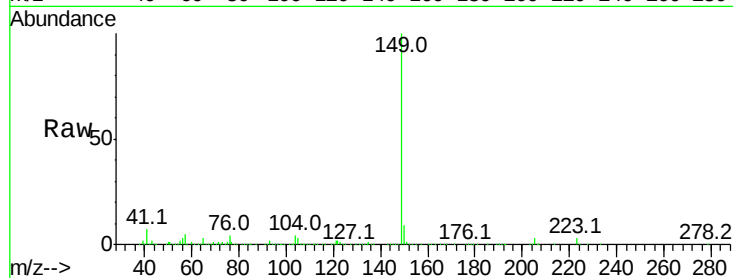
ClientSampleId :

TK4-1-20170619MSD

Tot Ion:	149	Resp:	557593
Ion Ratio	Lower	Upper	
149	100		
150	9.1	7.7	11.5
104	4.2	4.0	6.0

Manual Integrations
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#74

Fluoranthene

Concen: 64.96 ng

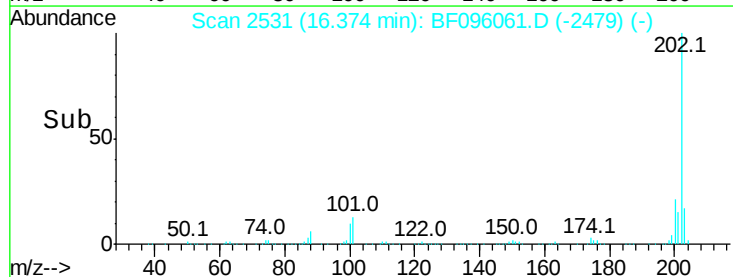
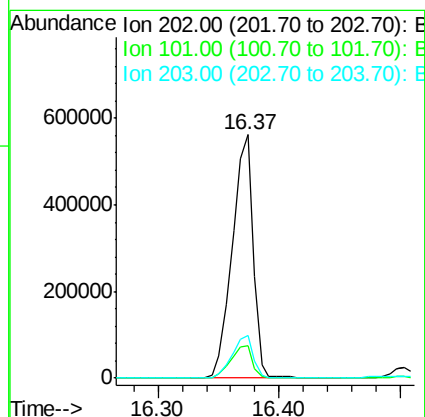
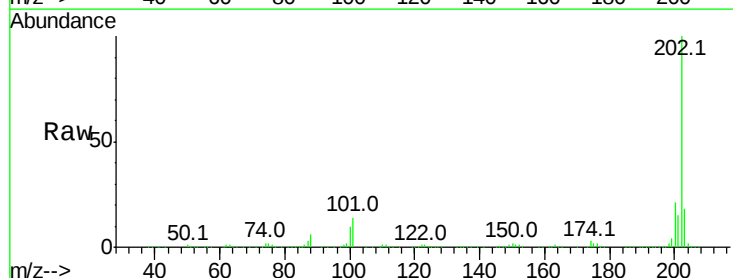
RT: 16.37 min Scan# 2531

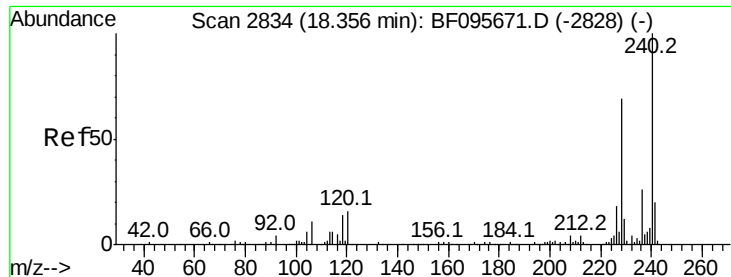
Delta R.T. 0.01 min

Lab File: BF096061.D

Acq: 21 Jun 2017 00:00

Tgt Ion:	202	Resp:	677632
Ion Ratio	Lower	Upper	
202	100		
101	13.5	0.0	33.2
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.28 min Scan# 2855

Delta R.T. 0.01 min

Lab File: BF096061.D

Acq: 21 Jun 2017 00:00

Instrument :

BNA_F

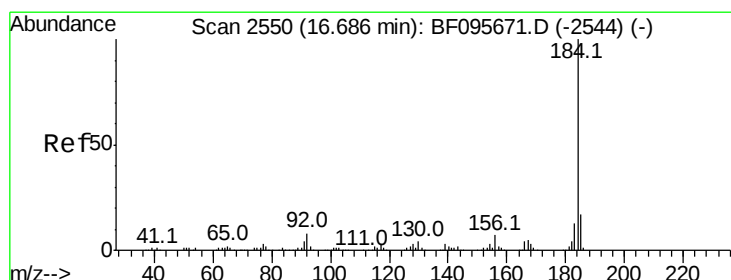
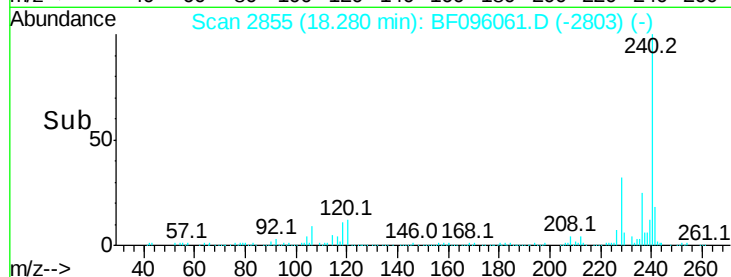
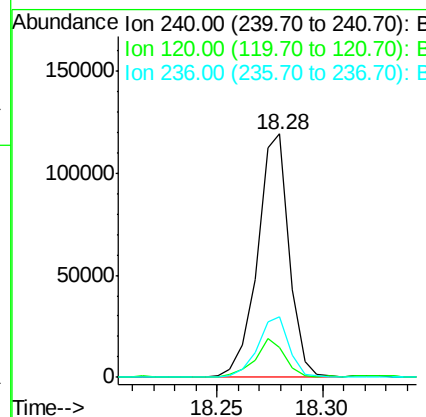
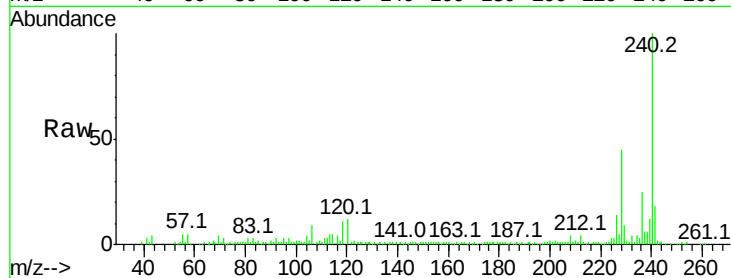
ClientSampleId :

TK4-1-20170619MSD

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.5	5.8	8.8#
236	25.0	20.5	30.7

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#76

Benzidine

Concen: 34.77 ng

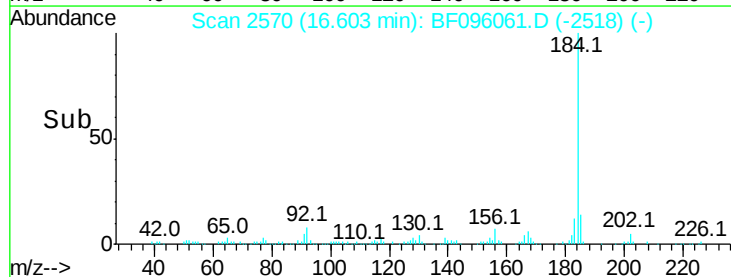
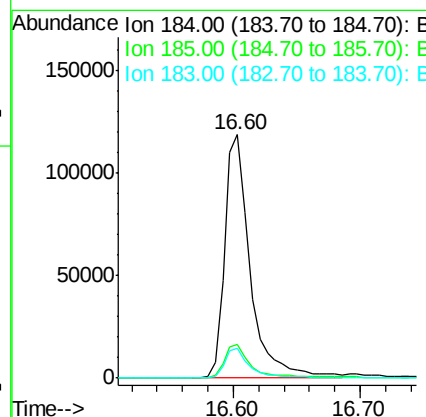
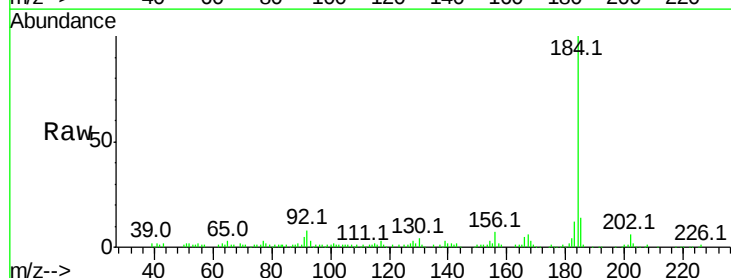
RT: 16.60 min Scan# 2570

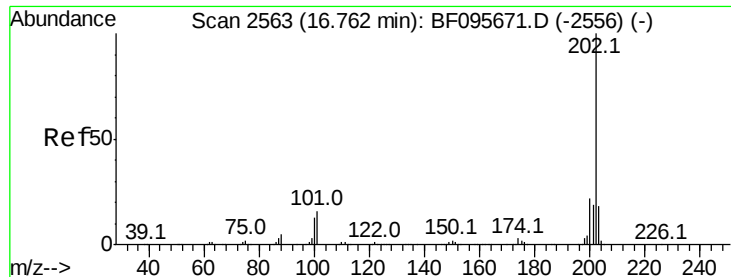
Delta R.T. 0.01 min

Lab File: BF096061.D

Acq: 21 Jun 2017 00:00

Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.0	15.5	23.3#
183	12.1	9.8	14.6





#77

Pvrene

Concen: 74.17 ng

RT: 16.67 min Scan# 2582

Delta R.T. 0.01 min

Lab File: BF096061.D

Acq: 21 Jun 2017 00:00

Instrument :

BNA_F

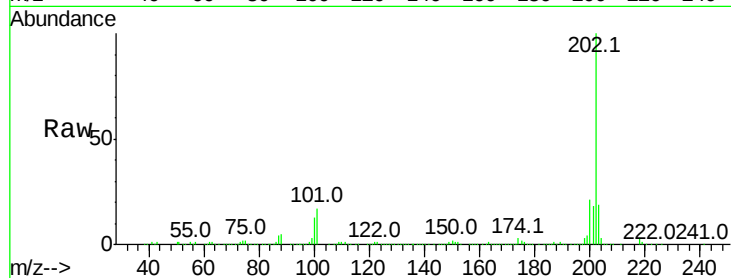
ClientSampleId :

TK4-1-20170619MSD

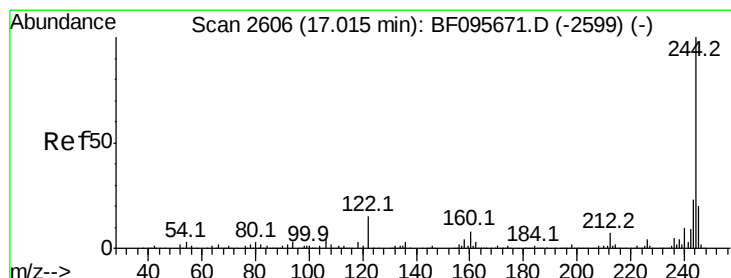
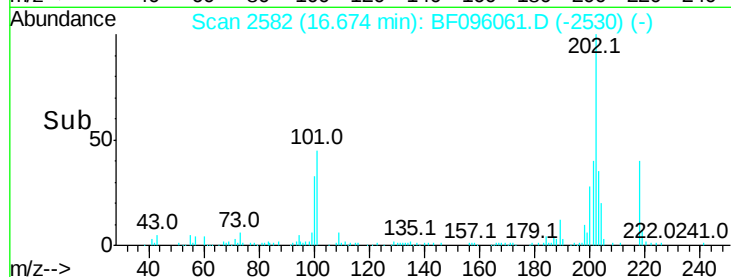
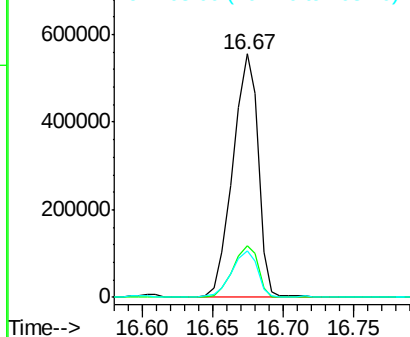
Tot Ion:	202	Resp:	691705
Ion Ratio		Lower	Upper
202	100		
200	21.2	17.6	26.4
203	19.0	14.4	21.6

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 75.29 ng

RT: 16.93 min Scan# 2625

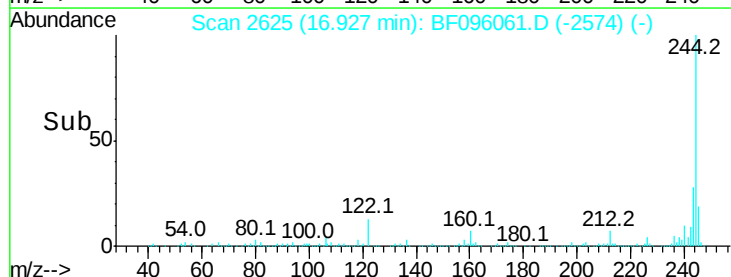
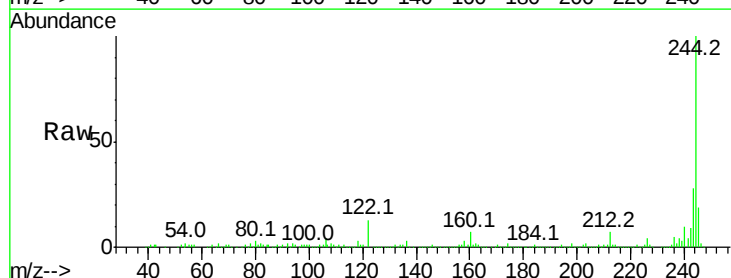
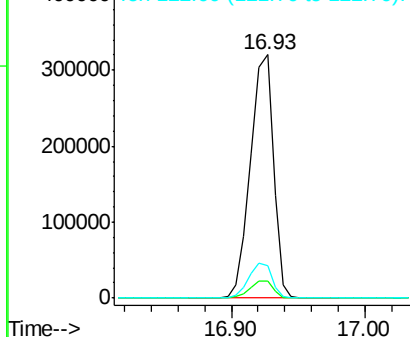
Delta R.T. -0.00 min

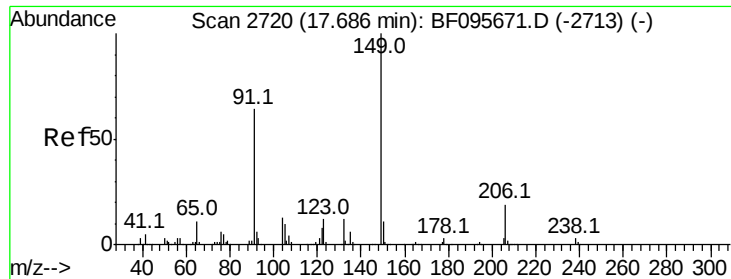
Lab File: BF096061.D

Acq: 21 Jun 2017 00:00

Tgt Ion:	244	Resp:	379160
Ion Ratio		Lower	Upper
244	100		
212	6.8	6.0	9.0
122	13.2	10.3	15.5

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





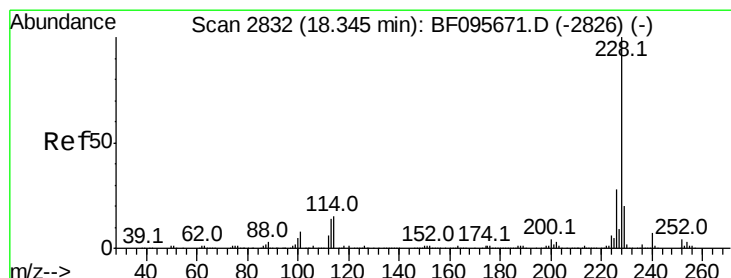
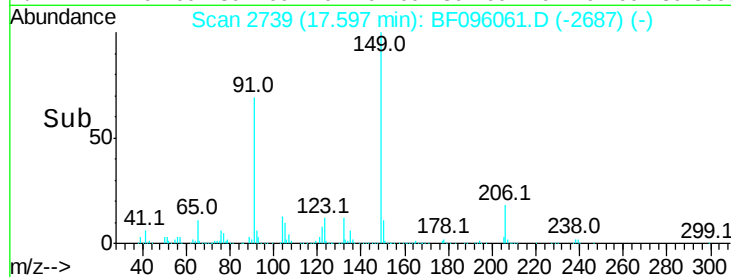
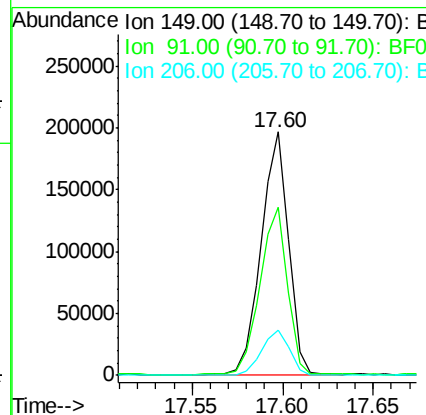
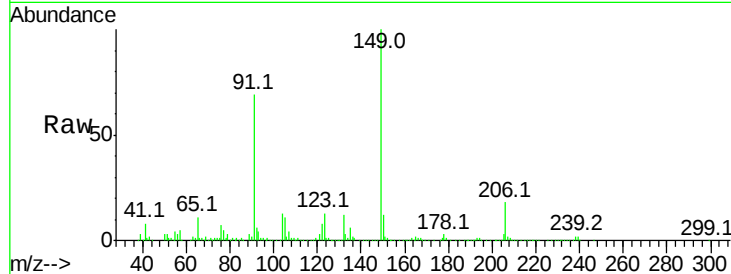
#79
Butylbenzylphthalate
Concen: 50.28 ng
RT: 17.60 min Scan# 2739
Delta R.T. 0.01 min
Lab File: BF096061.D
Acq: 21 Jun 2017 00:00

Instrument :
BNA_F
ClientSampleId :
TK4-1-20170619MSD

Tot Ion	Ratio	Lower	Upper
149	100		
91	68.8	45.0	67.4#
206	18.4	17.0	25.6

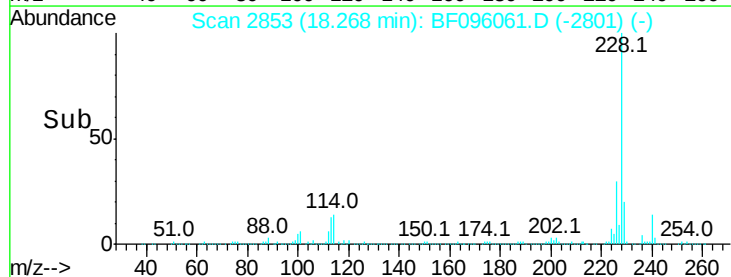
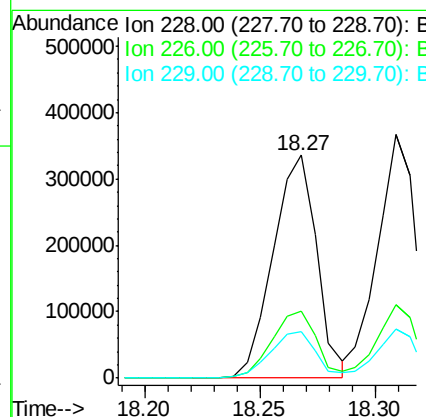
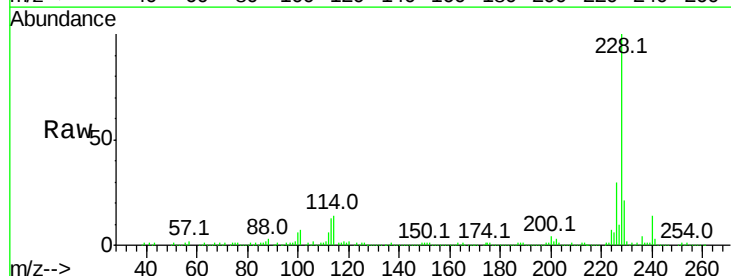
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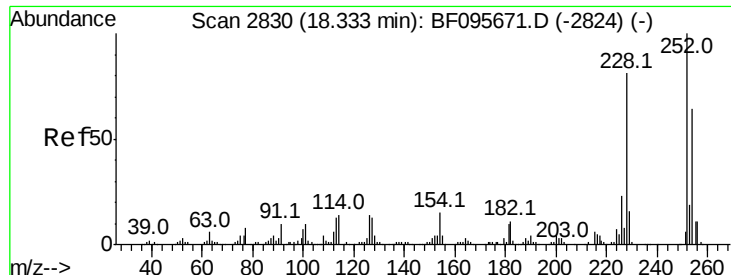
mohammad
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#80
Benzo(a)anthracene
Concen: 60.55 ng
RT: 18.27 min Scan# 2853
Delta R.T. 0.01 min
Lab File: BF096061.D
Acq: 21 Jun 2017 00:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.6	33.8
229	20.6	16.3	24.5





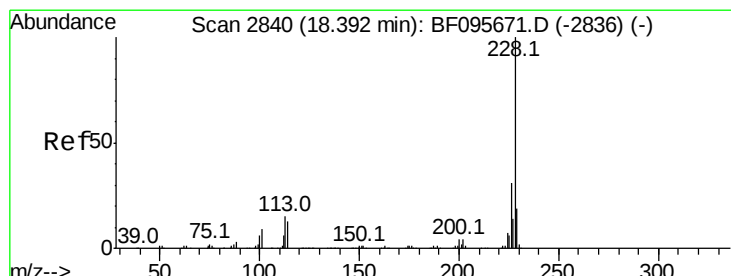
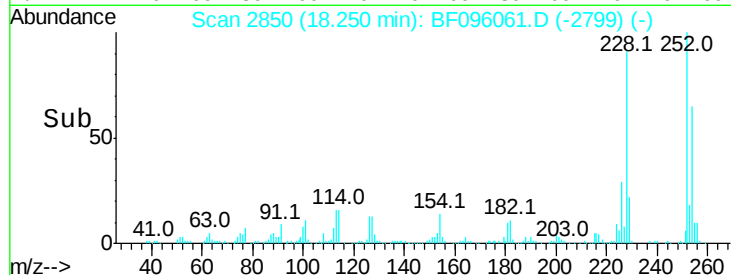
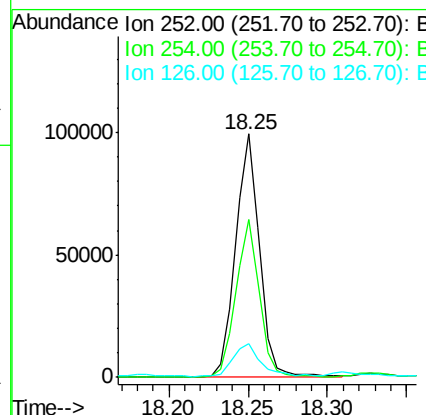
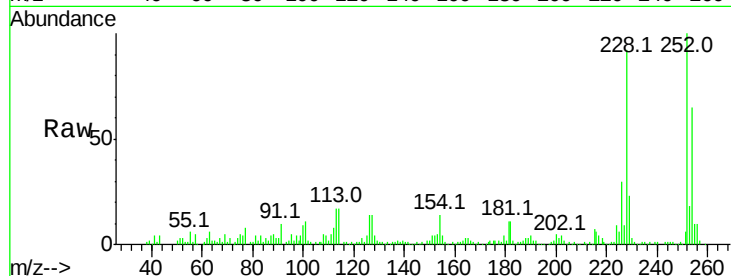
#81
 3,3'-Dichlorobenzidine
 Concen: 40.26 ng
 RT: 18.25 min Scan# 2850
 Delta R.T. -0.00 min
 Lab File: BF096061.D
 Acq: 21 Jun 2017 00:00

Instrument :
 BNA_F
 ClientSampleId :
 TK4-1-20170619MSD

Tot Ion	Ratio	Resp Lower	Upper
252	100		
254	64.9	51.5	77.3
126	13.8	15.8	23.8

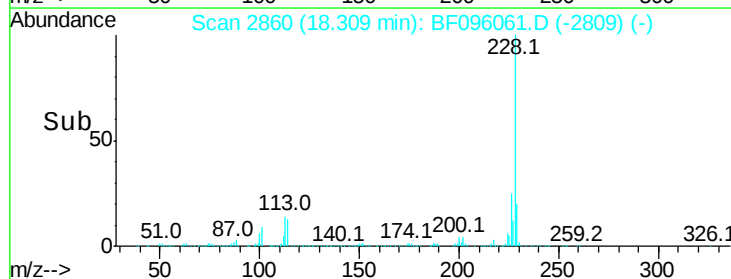
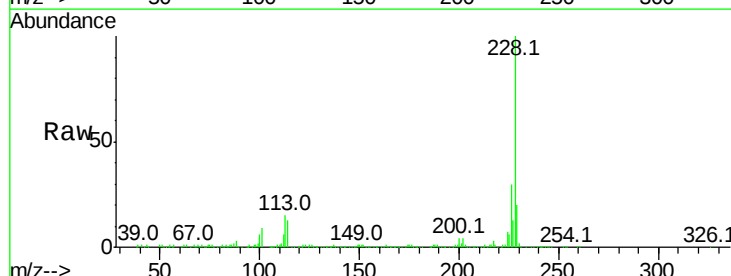
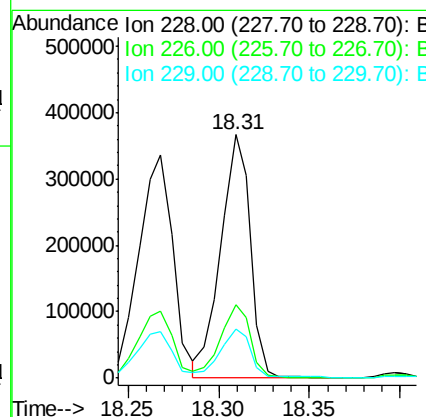
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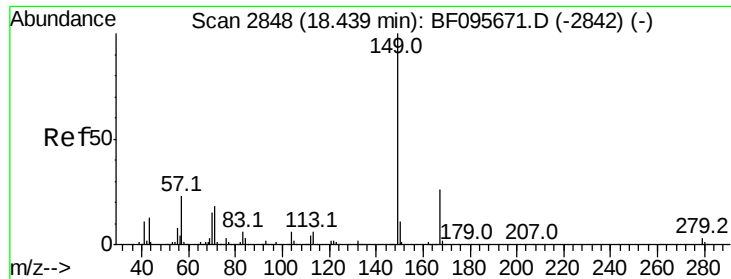
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#82
 Chrysene
 Concen: 57.02 ng
 RT: 18.31 min Scan# 2860
 Delta R.T. -0.00 min
 Lab File: BF096061.D
 Acq: 21 Jun 2017 00:00

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	30.1	24.9	37.3
229	20.2	15.8	23.6





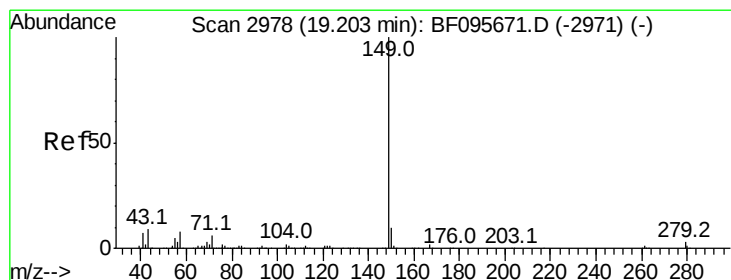
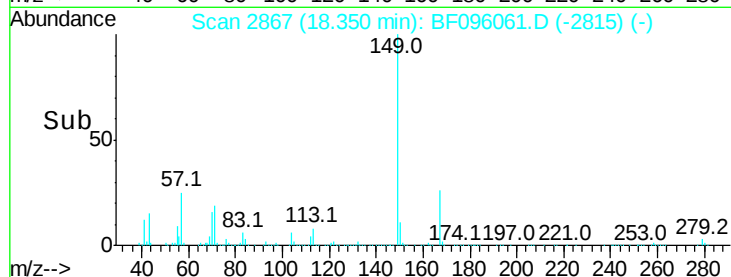
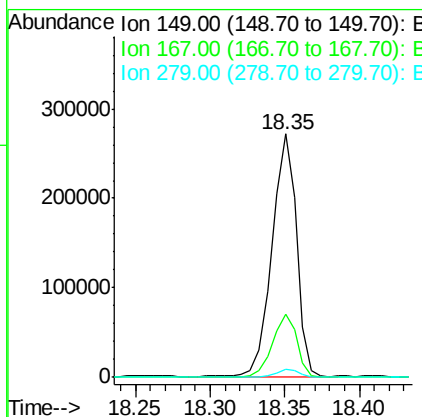
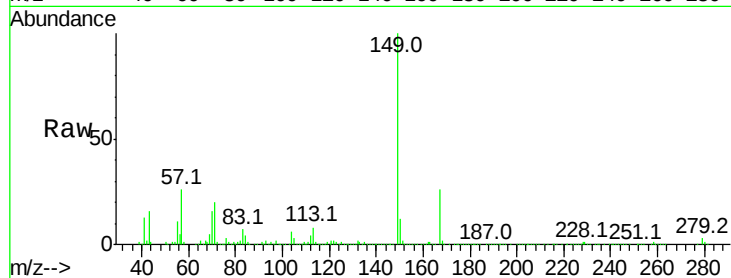
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 53.78 ng
 RT: 18.35 min Scan# 2867
 Delta R.T. 0.01 min
 Lab File: BF096061.D
 Acq: 21 Jun 2017 00:00

Instrument :
 BNA_F
 ClientSampleId :
 TK4-1-20170619MSD

Tot Ion	Ratio	Resp Lower	Upper
149	100		
167	26.1	21.0	31.4
279	3.2	1.9	2.9

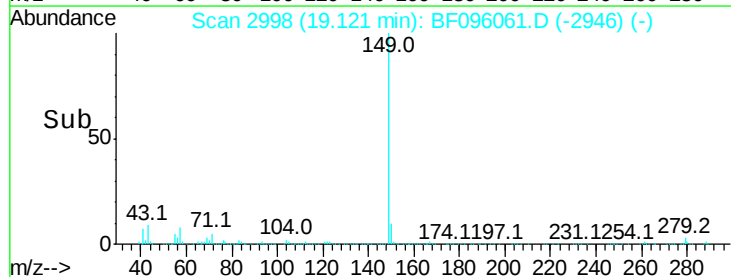
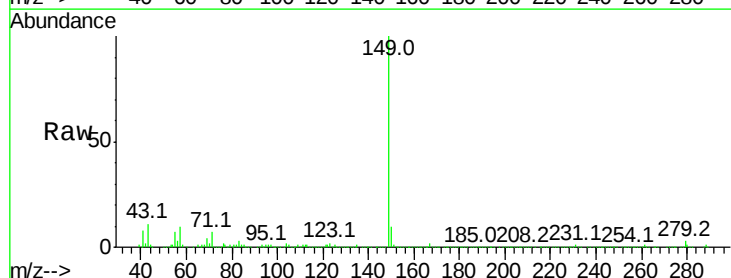
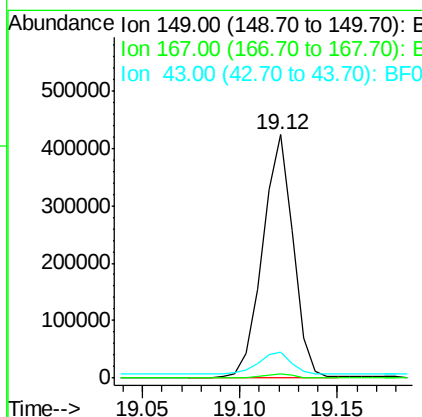
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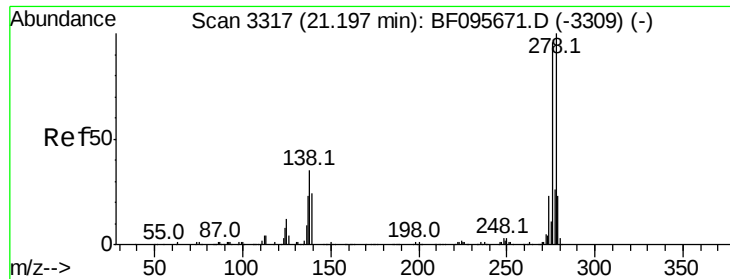
mohammad
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#84
 Di-n-octyl phthalate
 Concen: 47.83 ng
 RT: 19.12 min Scan# 2998
 Delta R.T. 0.01 min
 Lab File: BF096061.D
 Acq: 21 Jun 2017 00:00

Tgt Ion	Ratio	Resp Lower	Upper
149	100		
167	1.5	1.2	1.8
43	10.5	8.5	12.7





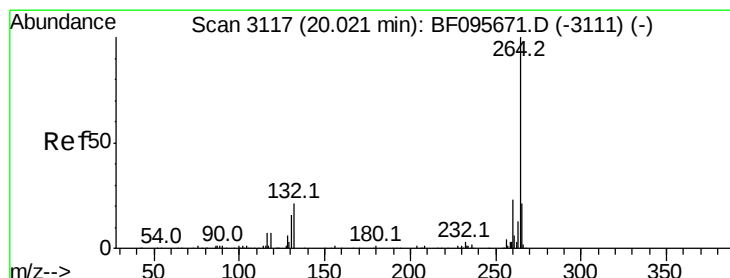
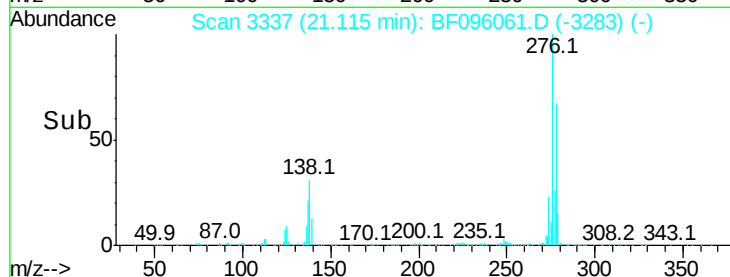
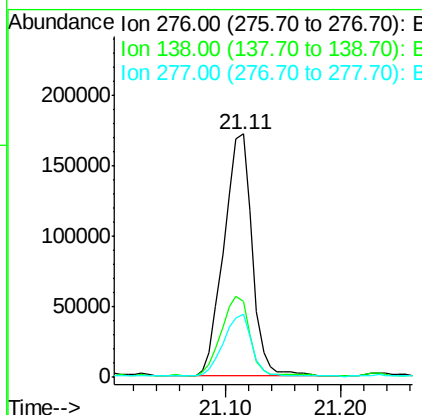
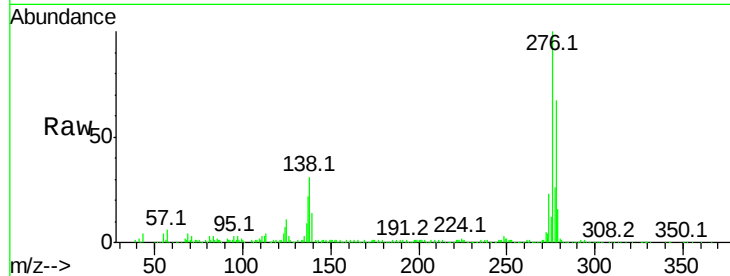
#85
Indeno(1,2,3-cd)pyrene
Concen: 47.06 ng
RT: 21.11 min Scan# 3337
Delta R.T. 0.02 min
Lab File: BF096061.D
Acq: 21 Jun 2017 00:00

Instrument :
BNA_F
ClientSampleId :
TK4-1-20170619MSD

Tot Ion	Ratio	Resp	Lower	Upper
276	100	292384		
138	32.1		27.8	41.6
277	25.5		20.2	30.4

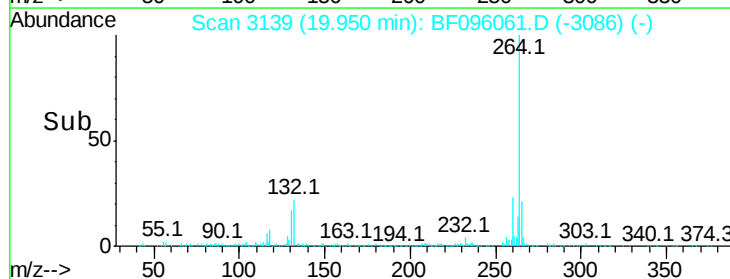
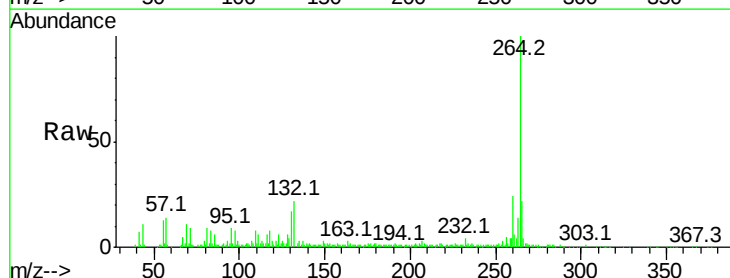
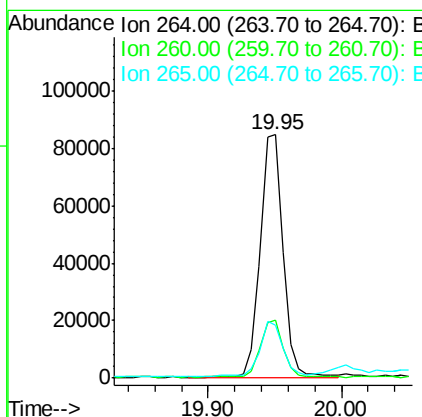
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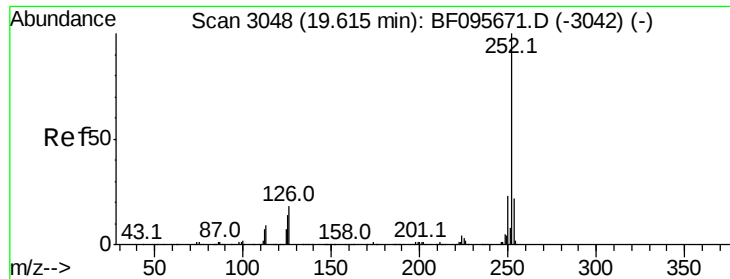
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 19.95 min Scan# 3139
Delta R.T. 0.01 min
Lab File: BF096061.D
Acq: 21 Jun 2017 00:00

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	101036		
260	23.8		19.5	29.3
265	21.9		17.2	25.8





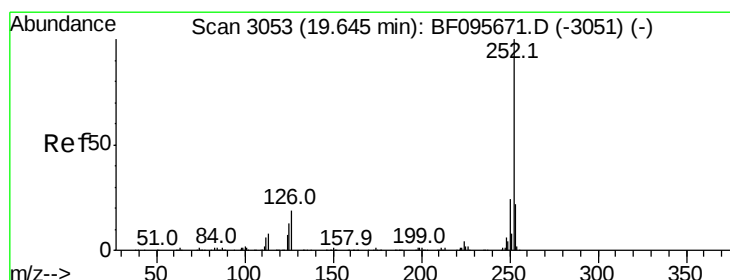
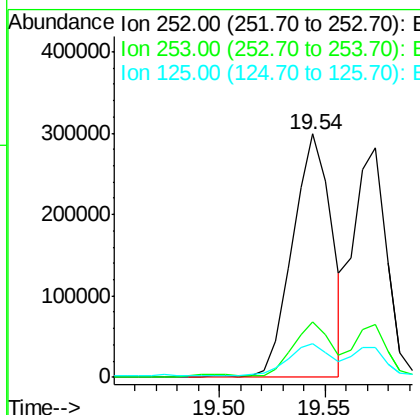
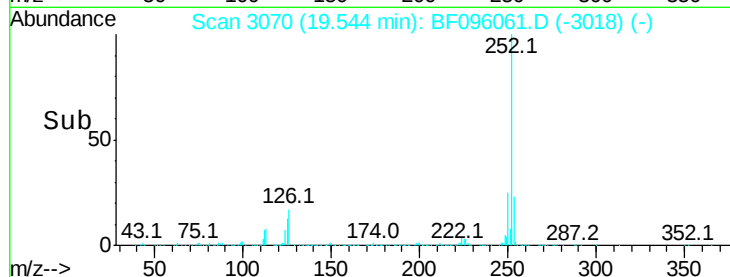
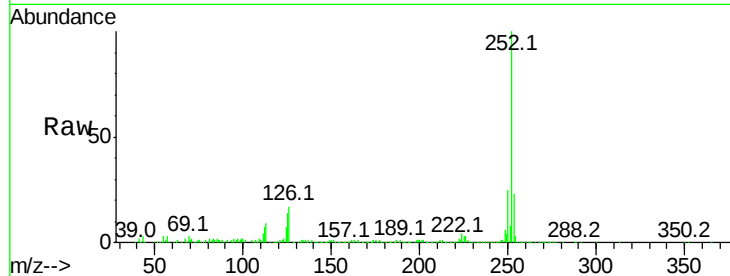
#87
Benzo(b)fluoranthene
Concen: 60.51 ng
RT: 19.54 min Scan# 3070
Delta R.T. 0.01 min
Lab File: BF096061.D
Acq: 21 Jun 2017 00:00

Instrument :
BNA_F
ClientSampleId :
TK4-1-20170619MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	13.7	9.8	14.8

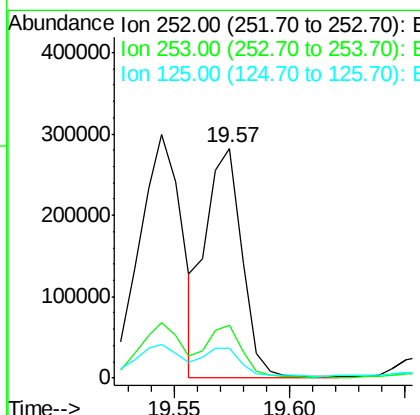
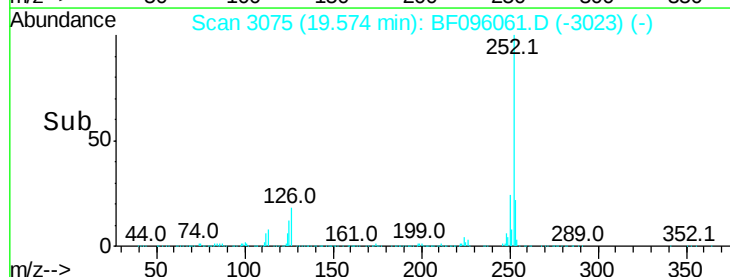
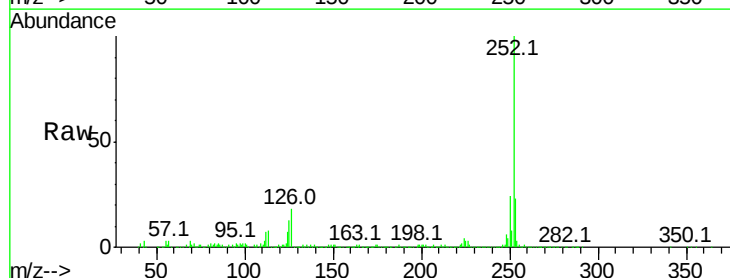
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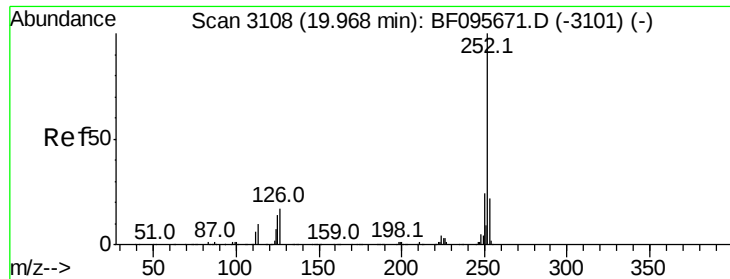
mohammad
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#88
Benzo(k)fluoranthene
Concen: 50.77 ng
RT: 19.57 min Scan# 3075
Delta R.T. 0.01 min
Lab File: BF096061.D
Acq: 21 Jun 2017 00:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.4	27.6
125	13.2	13.1	19.7





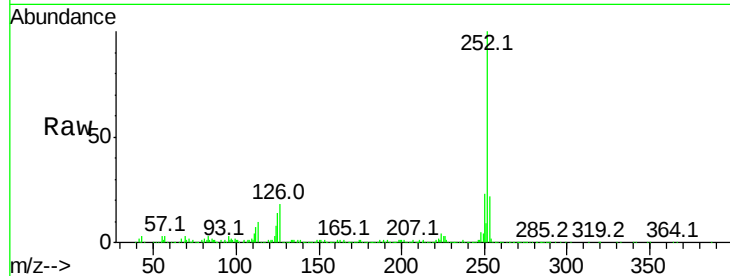
#89
Benzo(a)pyrene
Concen: 57.92 ng
RT: 19.90 min Scan# 3130
Delta R.T. 0.01 min
Lab File: BF096061.D
Acq: 21 Jun 2017 00:00

Instrument :
BNA_F
ClientSampleId :
TK4-1-20170619MSD

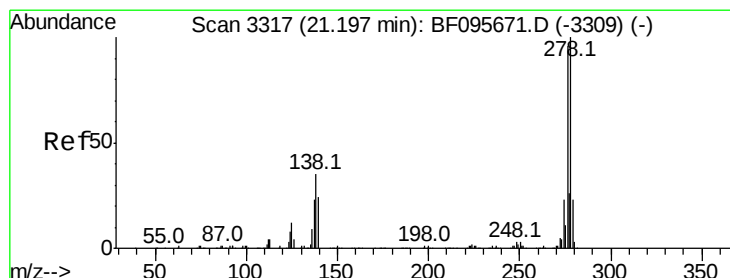
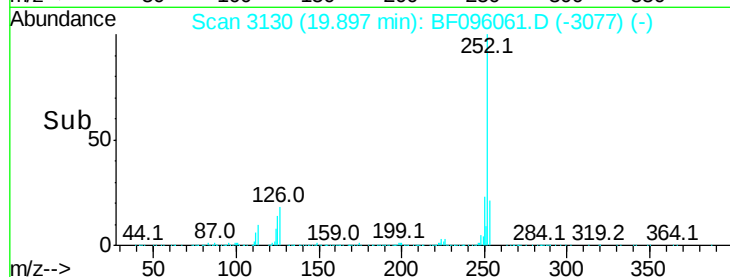
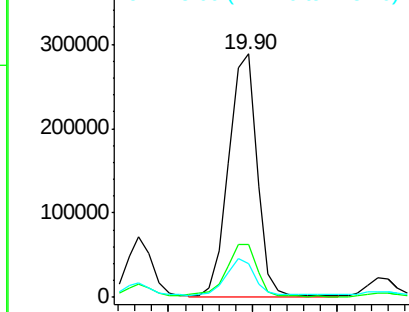
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	14.1	11.0	16.4

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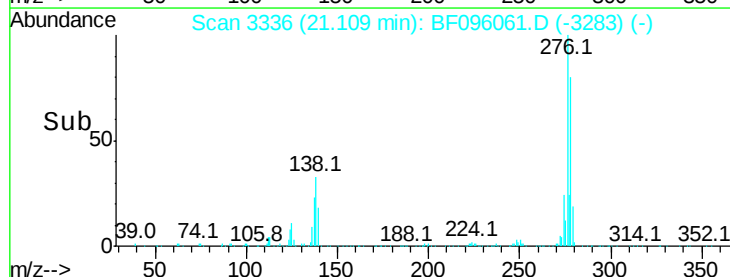
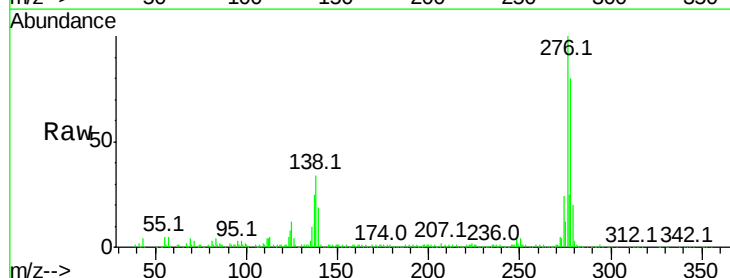
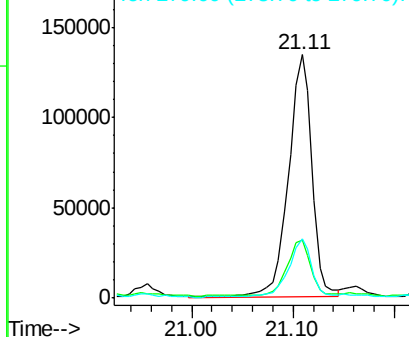
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

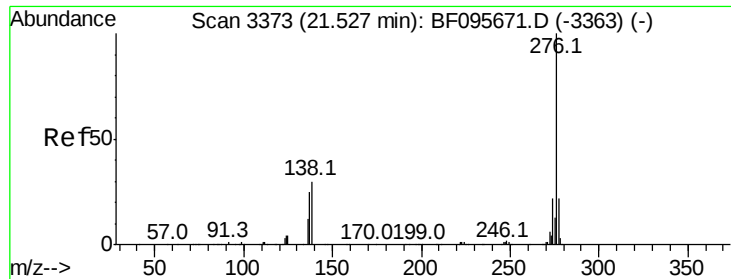


#90
Dibenzo(a,h)anthracene
Concen: 44.53 ng
RT: 21.11 min Scan# 3336
Delta R.T. 0.01 min
Lab File: BF096061.D
Acq: 21 Jun 2017 00:00

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.7	16.6	24.8
279	24.6	19.3	28.9

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





#91
 Benzo(a,h,i)perylene
 Concen: 51.19 ng
 RT: 21.44 min Scan# 3392
 Delta R.T. 0.02 min
 Lab File: BF096061.D
 Acq: 21 Jun 2017 00:00

Instrument :
 BNA_F
 ClientSampleId :
 TK4-1-20170619MSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.6	28.0
138	29.0	25.4	38.0

Manual Integrations
 APPROVED

mohammad
 6/21/2017 2:17:08 PM

