

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
 Data File : BF101339.D
 Acq On : 12 Dec 2017 19:32
 Operator : SJ/JU
 Sample : I6822-02MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(13-15)MSD

Manual Integrations
 APPROVED

Quant Time: Dec 13 03:23:46 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	49470	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	194845	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	90844	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	169228	20.00	ng	0.00
75) Chrysene-d12	14.01	240	126129	20.00	ng	0.00
86) Perylene-d12	15.49	264	99104	20.00	ng	0.02

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System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	394038	131.62	ng	0.01
7) Phenol-d6	6.47	99	478732	131.71	ng	0.01
23) Nitrobenzene-d5	7.40	82	294713	90.23	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	127372	116.72	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	614082	92.49	ng	0.00
78) Terphenyl-d14	12.95	244	568825	98.64	ng	0.00

12/13/2017 12:07:45 PM

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.60	88	41348	33.400	ng	93
3) Pyridine	3.38	79	111948	34.883	ng	97
4) n-Nitrosodimethylamine	3.33	42	65938	42.068	ng	87
6) Aniline	6.49	93	141955	30.034	ng	# 81
8) 2-Chlorophenol	6.62	128	139917	42.864	ng	95
9) Benzaldehyde	6.38	77	37515	16.864	ng	96
10) Phenol	6.49	94	183594	45.427	ng	77
11) bis(2-Chloroethyl)ether	6.56	93	125000	41.234	ng	96
12) 1,3-Dichlorobenzene	6.76	146	157263	41.376	ng	98
13) 1,4-Dichlorobenzene	6.84	146	158563	40.294	ng	98
14) 1,2-Dichlorobenzene	6.99	146	150428	40.983	ng	99
15) Benzyl Alcohol	6.97	79	116400	41.464	ng	94
16) 2,2'-oxybis(1-Chloropropan	7.10	45	196928	47.790	ng	86
17) 2-Methylphenol	7.09	107	113152	42.929	ng	# 93
18) Hexachloroethane	7.33	117	44323	35.058	ng	94
19) n-Nitroso-di-n-propylamine	7.24	70	96509	39.426	ng	96
20) 3+4-Methylphenols	7.24	107	145566	42.347	ng	# 69
22) Acetophenone	7.24	105	186842	39.692	ng	# 88
24) Nitrobenzene	7.42	77	140647	43.935	ng	95
25) Isophorone	7.65	82	253473	45.432	ng	98
26) 2-Nitrophenol	7.73	139	64979	36.976	ng	97
27) 2,4-Dimethylphenol	7.76	122	121794	47.910	ng	99
28) bis(2-Chloroethoxy)methane	7.86	93	160398	42.775	ng	100
29) 2,4-Dichlorophenol	7.97	162	124646	45.046	ng	96
30) 1,2,4-Trichlorobenzene	8.05	180	131415	43.190	ng	97
31) Naphthalene	8.13	128	405723	42.250	ng	100
33) 4-Chloroaniline	8.18	127	115430	29.916	ng	97
34) Hexachlorobutadiene	8.24	225	74813	40.089	ng	97
35) Caprolactam	8.57	113	30530m	35.403	ng	
36) 4-Chloro-3-methylphenol	8.67	107	124341	43.380	ng	97
37) 2-Methylnaphthalene	8.82	142	278023	42.609	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.99	216	125958	38.167	ng	# 97
40) Hexachlorocyclopentadiene	8.97	237	21288	24.062	ng	97
42) 2,4,6-Trichlorophenol	9.10	196	83433	43.127	ng	99

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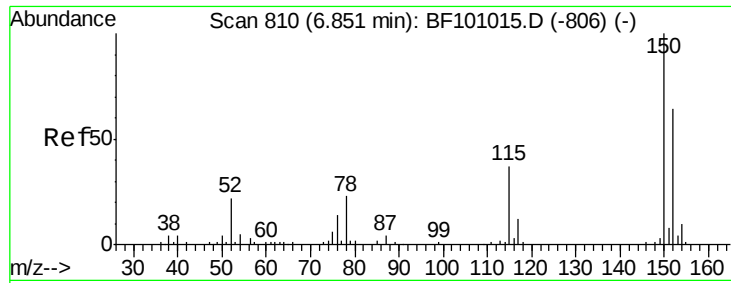
Instrument :
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 SB-1(13-15)MSD

Manual Integrations
 APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	9.16	196	88770	42.921	nq	# 92
45) 1,1'-Biphenyl	9.29	154	324529	38.991	nq	98
46) 2-Chloronaphthalene	9.32	162	257842	43.621	nq	97
47) 2-Nitroaniline	9.42	65	79175	45.273	nq	97
48) Acenaphthylene	9.73	152	396723	40.840	nq	99
49) Dimethylphthalate	9.59	163	382093	52.153	nq	99
50) 2,6-Dinitrotoluene	9.66	165	62558	40.541	nq	# 81
51) Acenaphthene	9.90	154	231481	39.796	nq	99
52) 3-Nitroaniline	9.83	138	63433	36.554	nq	90
53) 2,4-Dinitrophenol	9.96	184	2542	7.837	nq	# 15
54) Dibenzofuran	10.07	168	340611	40.635	nq	99
55) 4-Nitrophenol	10.01	139	76780	65.607	nq	96
56) 2,4-Dinitrotoluene	10.07	165	77049	37.258	nq	# 89
57) Fluorene	10.42	166	276544	40.584	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.20	232	64619	39.021	nq	# 88
59) Diethylphthalate	10.29	149	298711	41.337	nq	96
60) 4-Chlorophenyl-phenylether	10.40	204	135983	40.418	nq	93
61) 4-Nitroaniline	10.45	138	69998	38.859	nq	94
62) Azobenzene	10.57	77	249420	40.671	nq	92
64) 4,6-Dinitro-2-methylphenol	10.49	198	13150	11.585	nq	88
65) n-Nitrosodiphenylamine	10.53	169	262456	43.961	nq	93
66) 4-Bromophenyl-phenylether	10.90	248	83763	44.220	nq	# 82
67) Hexachlorobenzene	10.97	284	85729	42.228	nq	# 89
68) Atrazine	11.06	200	73592	40.185	nq	96
69) Pentachlorophenol	11.17	266	50013	44.804	nq	97
70) Phenanthrene	11.39	178	411650	44.172	nq	97
71) Anthracene	11.44	178	404244	42.859	nq	98
72) Carbazole	11.59	167	355584	41.262	nq	99
73) Di-n-butylphthalate	11.91	149	455313	42.153	nq	98
74) Fluoranthene	12.58	202	441295	42.718	nq	93
76) Benzidine	12.70	184	187429	45.698	nq	98
77) Pyrene	12.81	202	440509	50.614	nq	99
79) Butylbenzylphthalate	13.42	149	179963	46.900	nq	# 86
80) Benzo(a)anthracene	14.00	228	350730	44.042	nq	99
81) 3,3'-Dichlorobenzidine	13.96	252	112296	40.717	nq	# 98
82) Chrysene	14.04	228	320556	43.342	nq	98
83) Bis(2-ethylhexyl)phthalate	13.97	149	261273	47.754	nq	100
84) Di-n-octyl phthalate	14.58	149	388771	42.677	nq	99
85) Indeno(1,2,3-cd)pyrene	16.99	276	249679	37.972	nq	# 92
87) Benzo(b)fluoranthene	15.06	252	273661	46.101	nq	97
88) Benzo(k)fluoranthene	15.09	252	252069	43.101	nq	# 97
89) Benzo(a)pyrene	15.43	252	247380	45.840	nq	98
90) Dibenzo(a,h)anthracene	16.99	278	205596	43.214	nq	# 94
91) Benzo(g,h,i)perylene	17.43	276	206293	46.010	nq	# 92

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

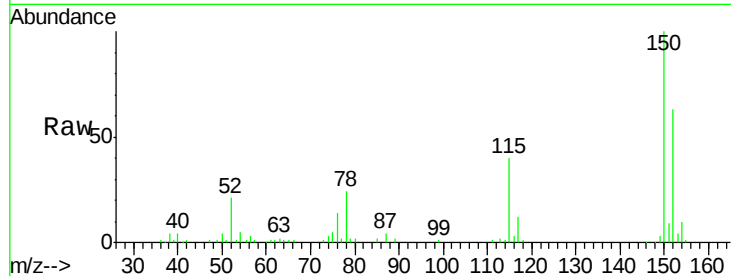


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: BF101339.D
 Acq: 12 Dec 2017 19:32

Instrument :
 BNA_F
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 SB-1(13-15)MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	124.6	186.8
115	63.1	50.1	75.1

Manual Integrations
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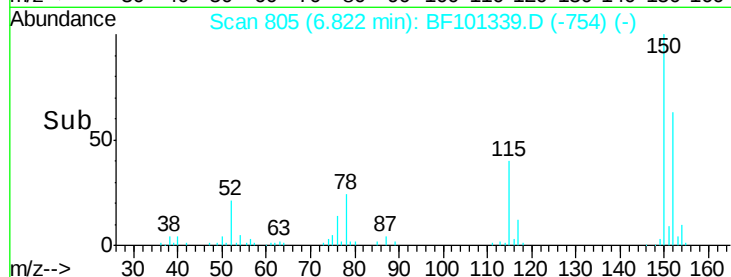
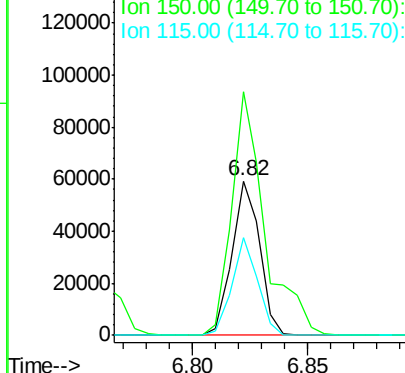


Abundance

Ion 152.00 (151.70 to 152.70): E

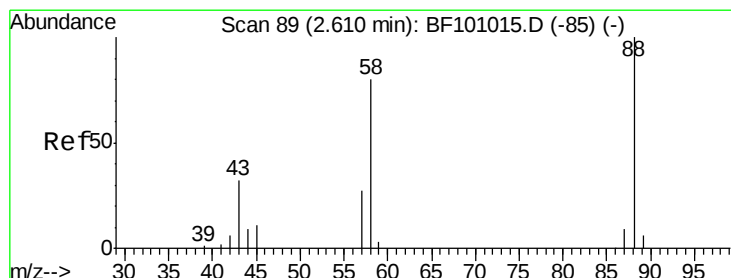
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



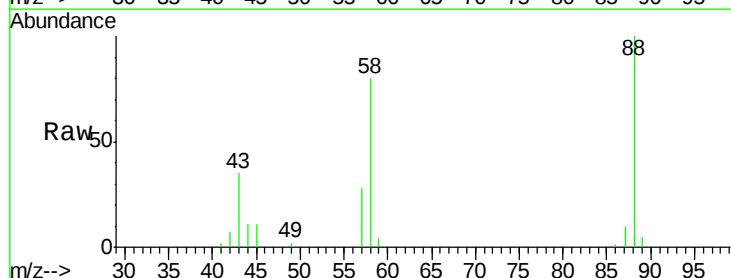
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12/13/2017 12:07:45 PM



#2
 1,4-Dioxane
 Concen: 33.400 ng
 RT: 2.60 min Scan# 88
 Delta R.T. 0.04 min
 Lab File: BF101339.D
 Acq: 12 Dec 2017 19:32

Tgt Ion	Ratio	Lower	Upper
88	100		
58	83.9	62.6	93.8
43	34.9	24.6	37.0

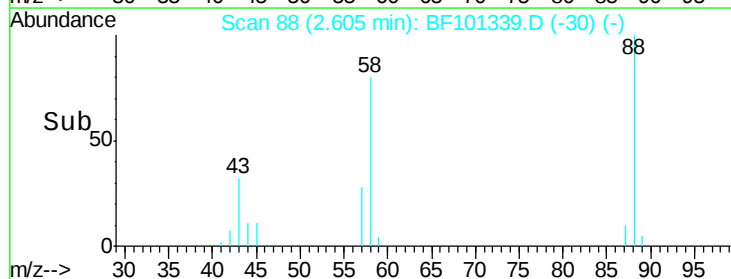
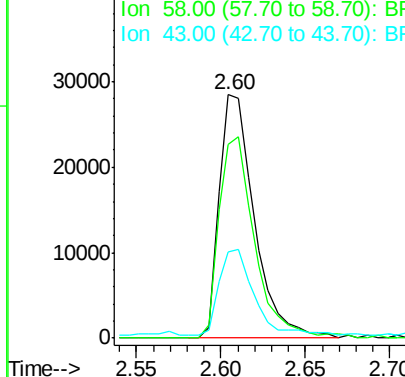


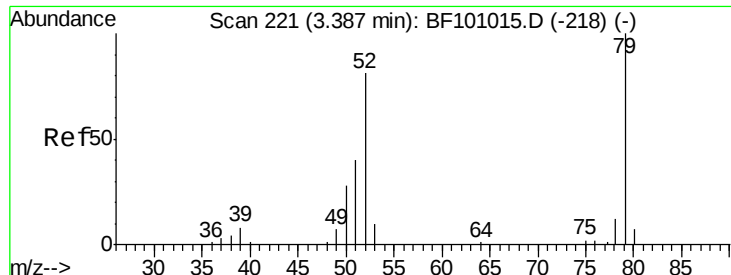
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1



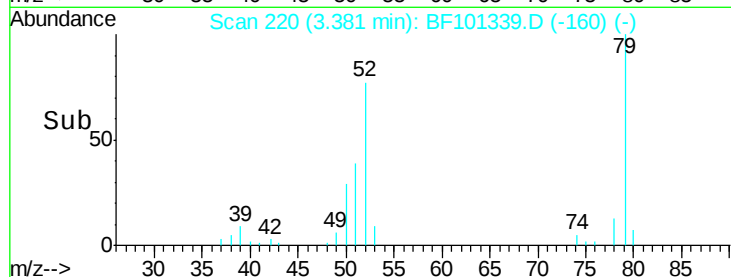
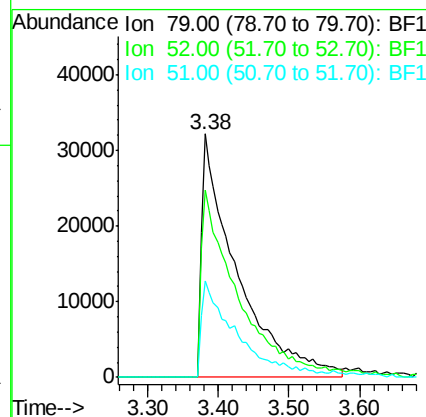
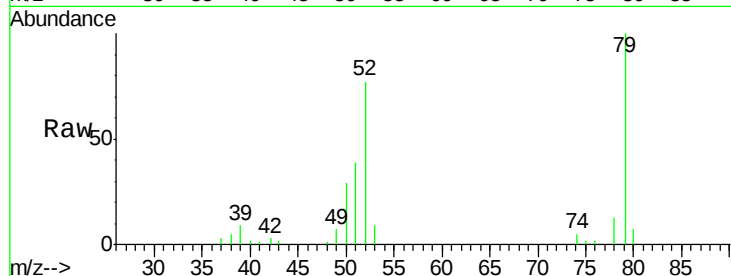


#3
 Pvridine
 Concen: 34.883 ng
 RT: 3.38 min Scan# 220
 Delta R.T. 0.05 min
 Lab File: BF101339.D
 Acq: 12 Dec 2017 19:32

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(13-15)MSD

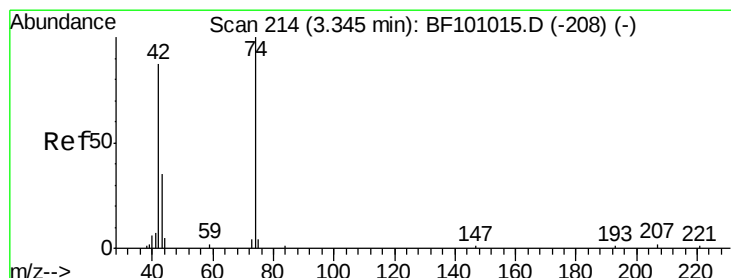
Tot Ion	Ratio	Lower	Upper
79	100		
52	76.9	59.8	89.6
51	39.4	29.8	44.8

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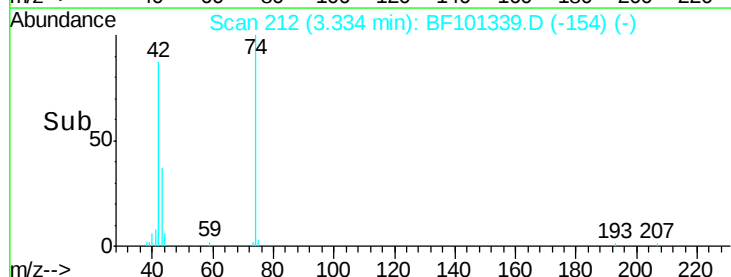
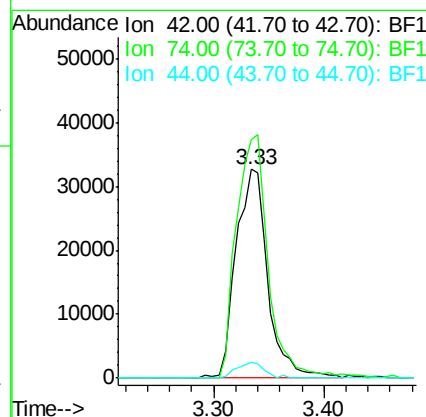
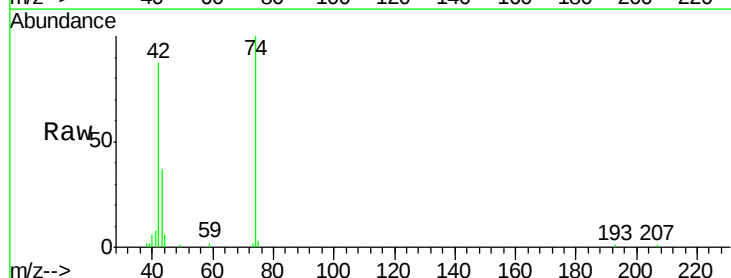
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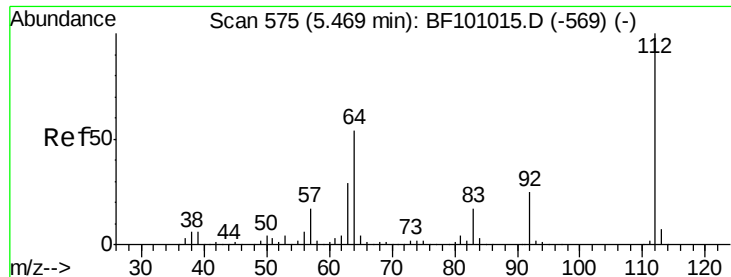
12/13/2017 12:07:45 PM



#4
 n-Nitrosodimethylamine
 Concen: 42.068 ng
 RT: 3.33 min Scan# 212
 Delta R.T. 0.04 min
 Lab File: BF101339.D
 Acq: 12 Dec 2017 19:32

Tgt Ion	Ratio	Lower	Upper
42	100		
74	114.5	104.9	157.3
44	7.4	6.9	10.3





#5

2-Fluorophenol

Concen: 131.620 ng

RT: 5.45 min Scan# 572

Delta R.T. 0.01 min

Lab File: BF101339.D

Acq: 12 Dec 2017 19:32

Instrument :

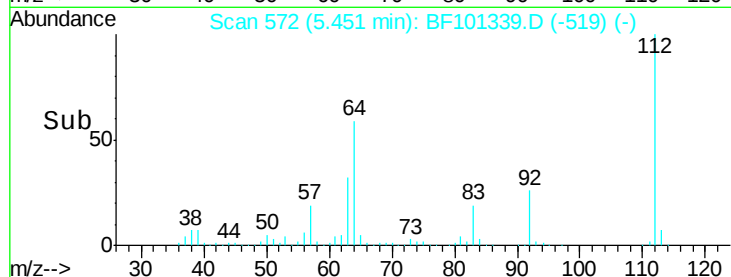
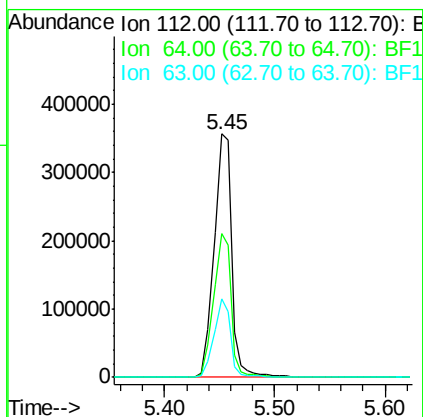
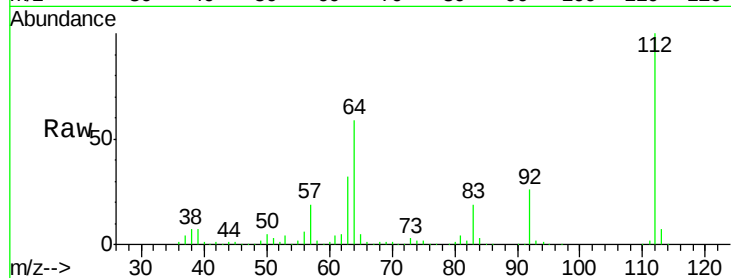
BNA_F

ClientSampleId :

SB-1(13-15)MSD

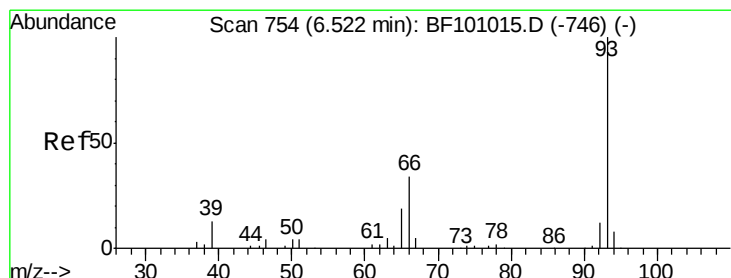
Tot Ion:	112	Resp:	394038
Ion Ratio	Lower	Upper	
112	100		
64	59.3	47.9	71.9
63	32.2	23.7	35.5

Manual Integrations
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12/13/2017 12:07:45 PM



#6

Aniline

Concen: 30.034 ng

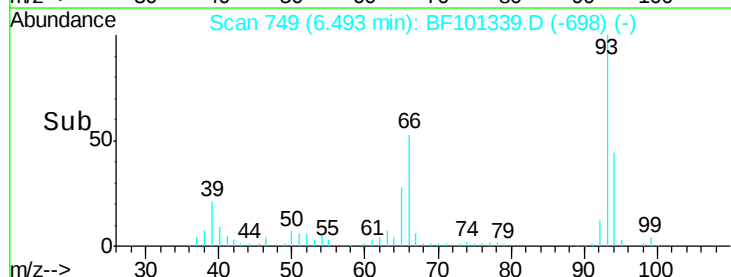
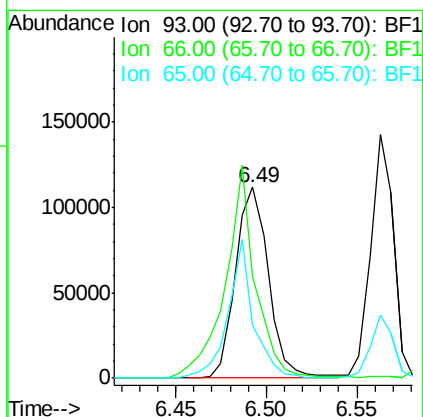
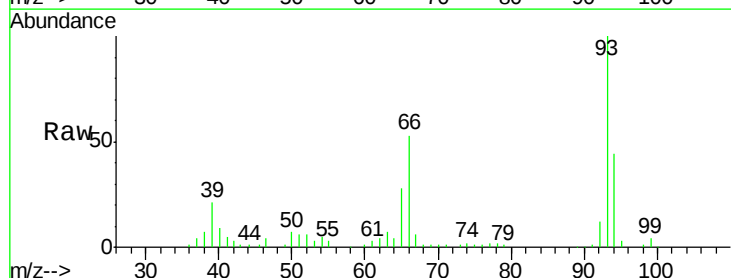
RT: 6.49 min Scan# 749

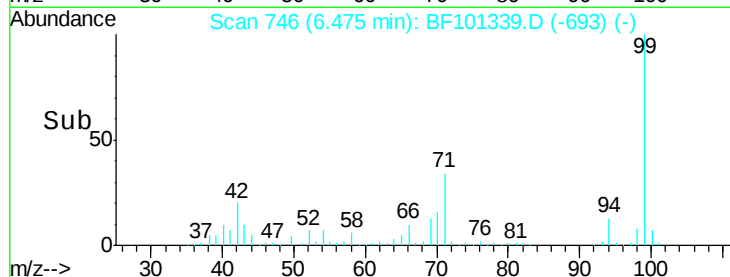
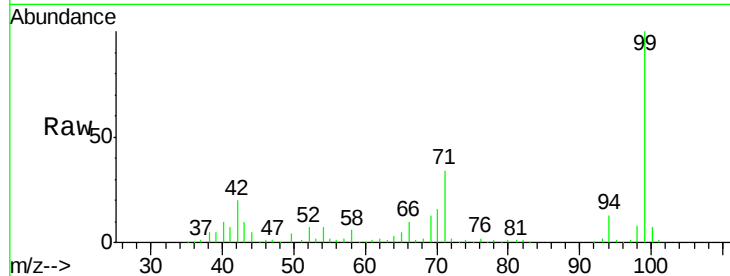
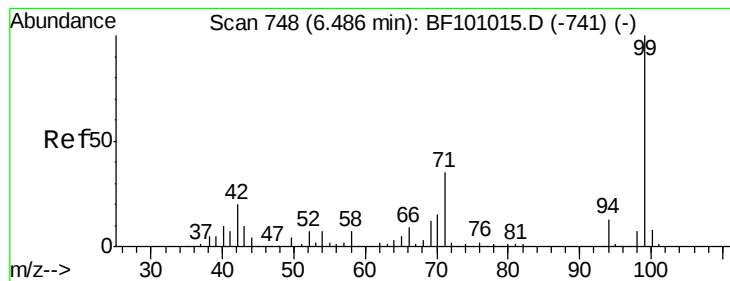
Delta R.T. 0.00 min

Lab File: BF101339.D

Acq: 12 Dec 2017 19:32

Tgt Ion:	93	Resp:	141955
Ion Ratio	Lower	Upper	
93	100		
66	53.1	32.2	48.2#
65	27.9	16.4	24.6#





#7

Phenol-d6

Concen: 131.712 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.01 min

Lab File: BF101339.D

Acq: 12 Dec 2017 19:32

Tot Ion:	99	Resp:	478732
Ion Ratio	Lower	Upper	
99	100		
42	19.8	14.5	21.7
71	34.3	25.4	38.0

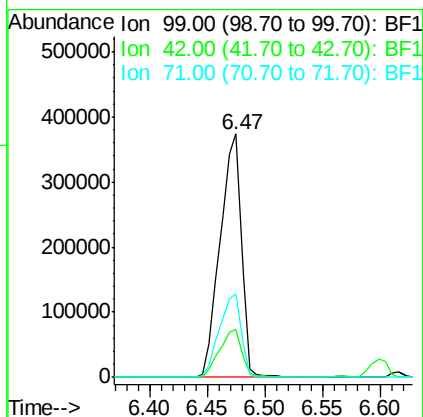
Instrument :

BNA_F

ClientSampleId :

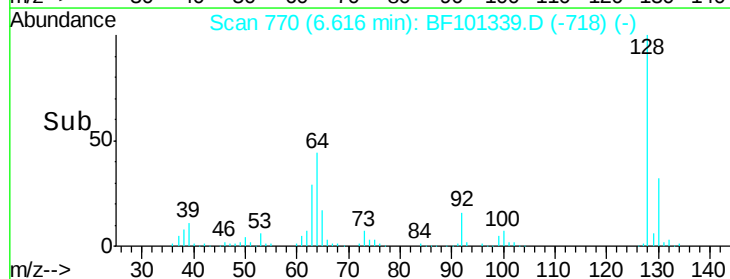
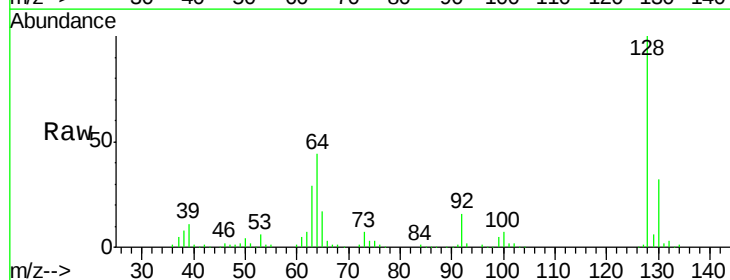
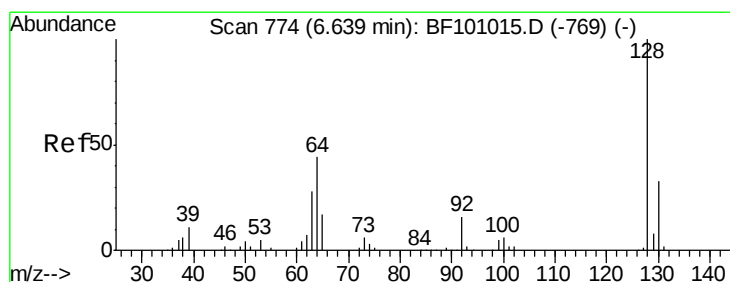
SB-1(13-15)MSD

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#8

2-Chlorophenol

Concen: 42.864 ng

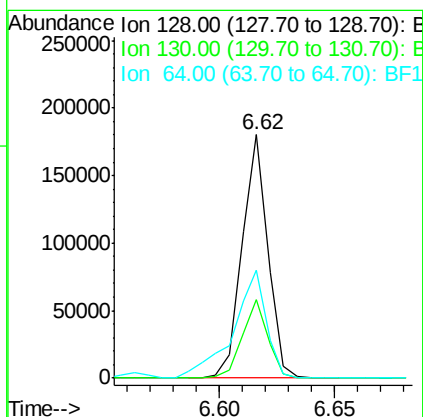
RT: 6.62 min Scan# 770

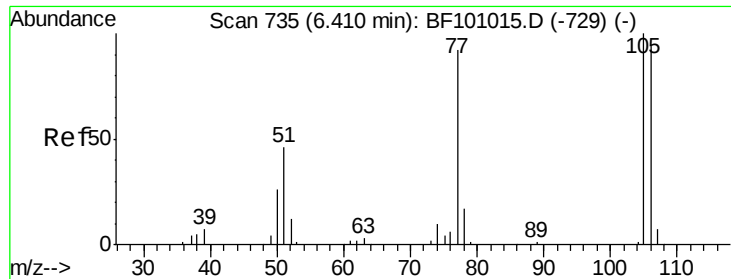
Delta R.T. 0.01 min

Lab File: BF101339.D

Acq: 12 Dec 2017 19:32

Tgt Ion:	128	Resp:	139917
Ion Ratio	Lower	Upper	
128	100		
130	32.3	13.0	53.0
64	44.4	29.4	69.4



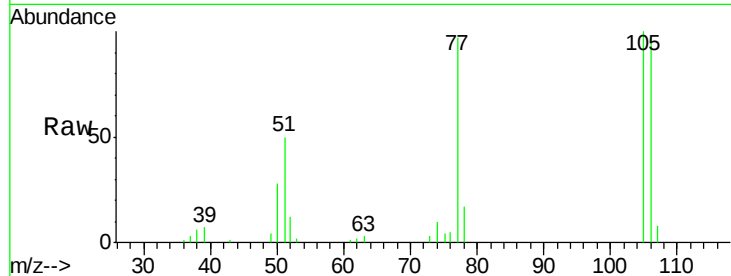


#9
Benzaldehyde
Concen: 16.864 ng
RT: 6.38 min Scan# 730
Delta R.T. 0.00 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

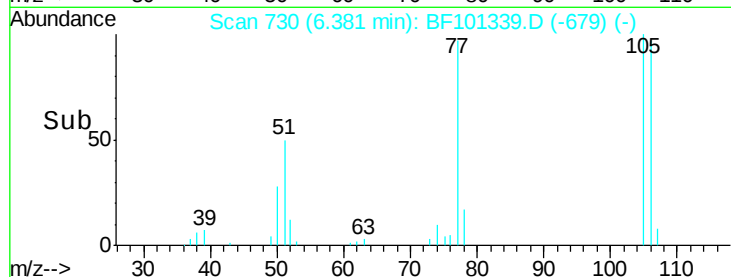
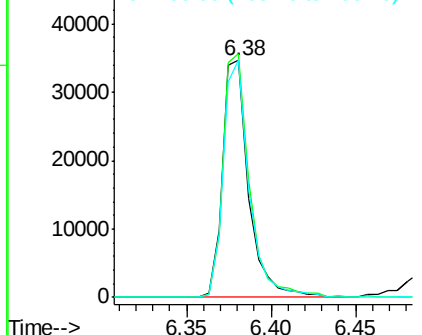
Instrument :
BNA_F
ClientSampleId :
SB-1(13-15)MSD

Tot Ion: 77 Resp: 37515
Ion Ratio Lower Upper
77 100
105 102.8 81.1 121.1
106 100.1 74.5 114.5

Manual Integrations
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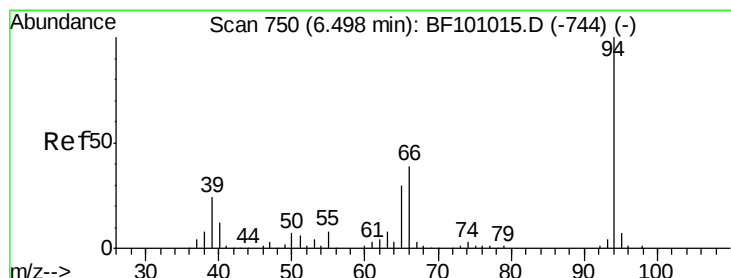


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1



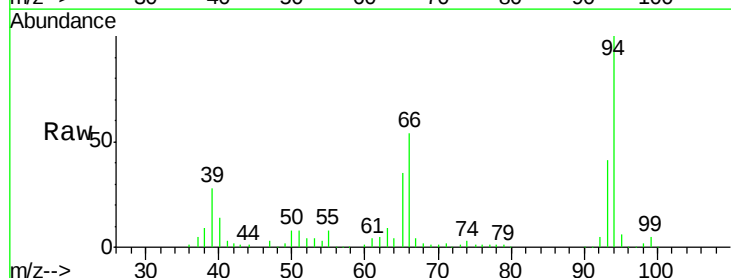
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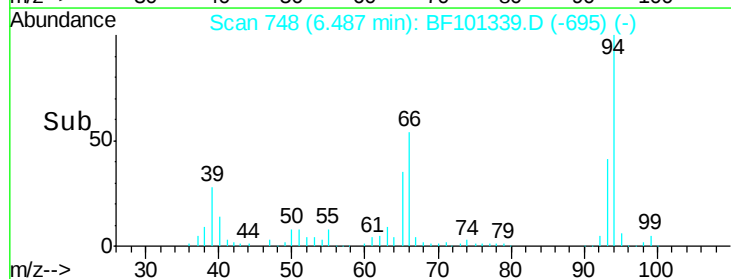
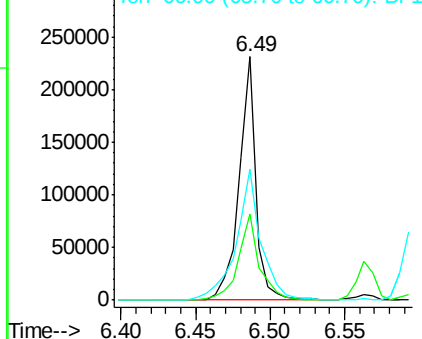


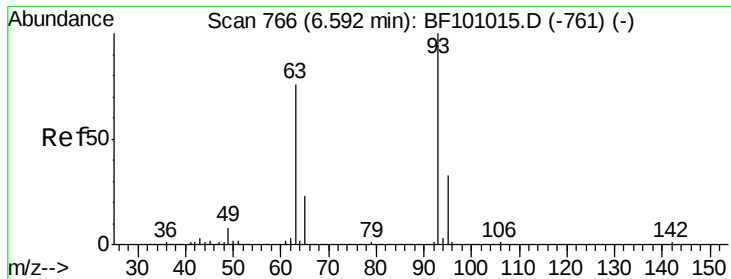
#10
Phenol
Concen: 45.427 ng
RT: 6.49 min Scan# 748
Delta R.T. 0.01 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Tgt Ion: 94 Resp: 183594
Ion Ratio Lower Upper
94 100
65 35.2 7.9 47.9
66 53.8 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1



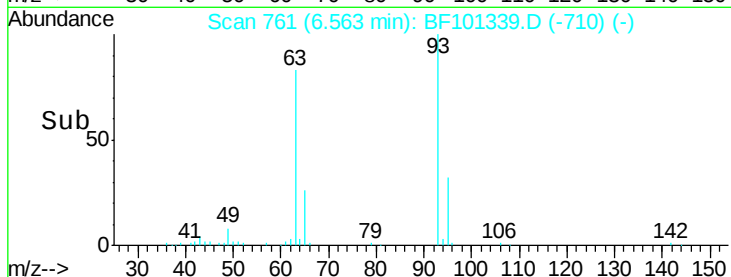
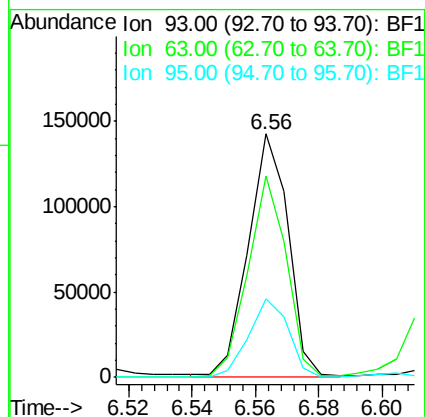
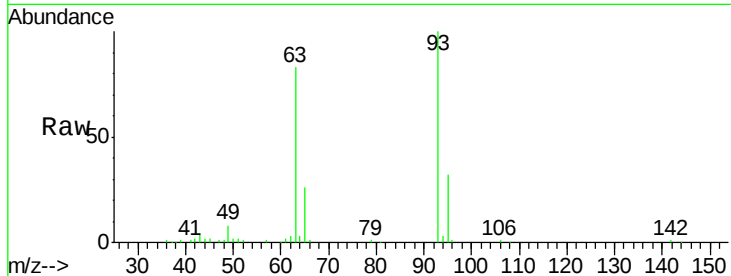


#11
bis(2-Chloroethyl)ether
Concen: 41.234 ng
RT: 6.56 min Scan# 761
Delta R.T. 0.00 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Instrument :
BNA_F
ClientSampleId :
SB-1(13-15)MSD

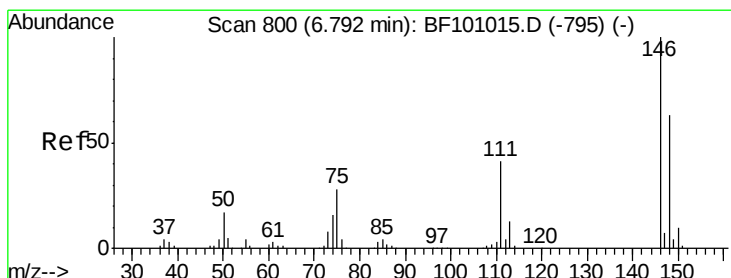
Tot Ion:	93	Resp:	125000
Ion Ratio	Lower	Upper	
93	100		
63	82.7	58.6	98.6
95	32.1	11.8	51.8

Manual Integrations
APPROVED



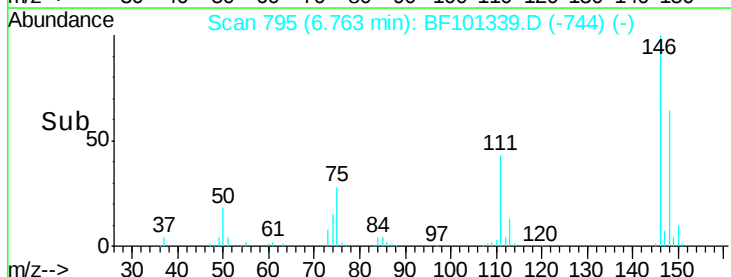
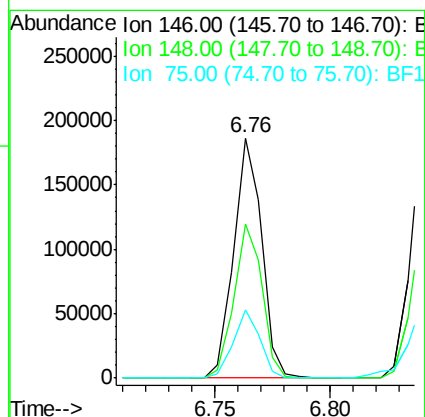
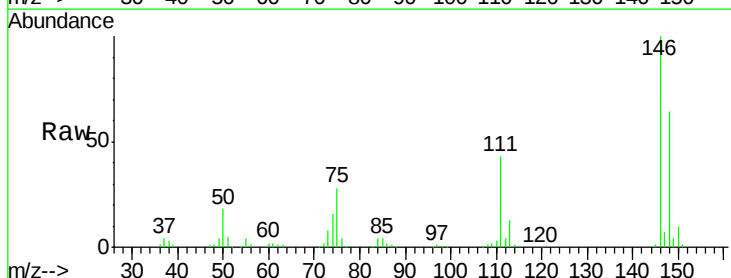
Sohil

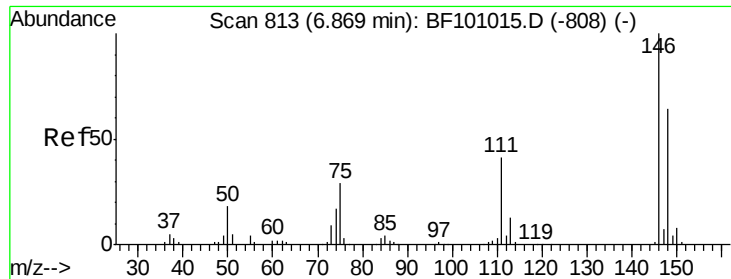
12/13/2017 12:07:45 PM



#12
1,3-Dichlorobenzene
Concen: 41.376 ng
RT: 6.76 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Tgt Ion:	146	Resp:	157263
Ion Ratio	Lower	Upper	
146	100		
148	63.9	51.8	77.8
75	28.2	24.2	36.4



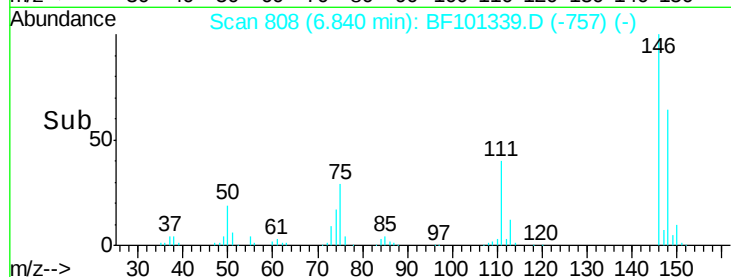
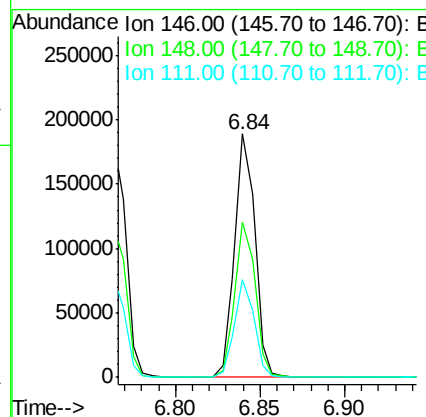
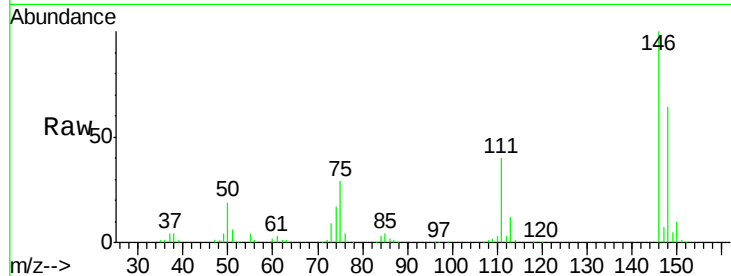


#13
1,4-Dichlorobenzene
Concen: 40.294 ng
RT: 6.84 min Scan# 808
Delta R.T. 0.00 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Instrument :
BNA_F
ClientSampleId :
SB-1(13-15)MSD

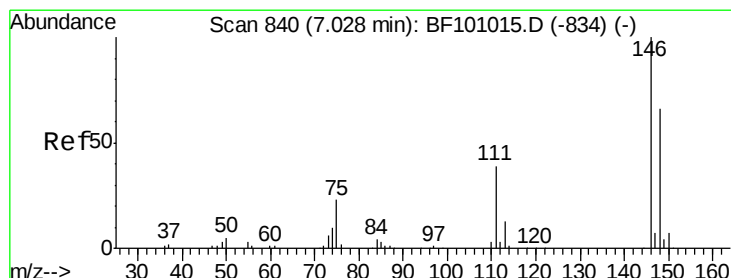
Tot Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.8	76.2
111	40.3	34.2	51.2

Manual Integrations
APPROVED



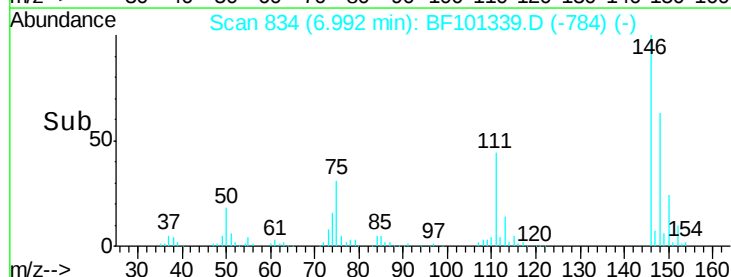
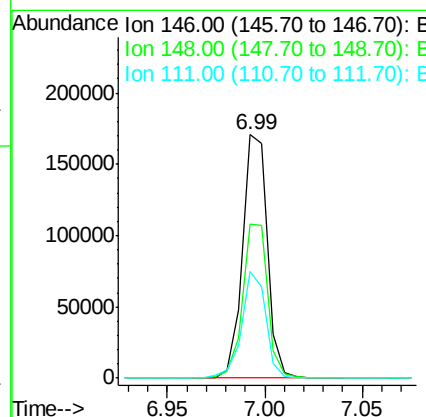
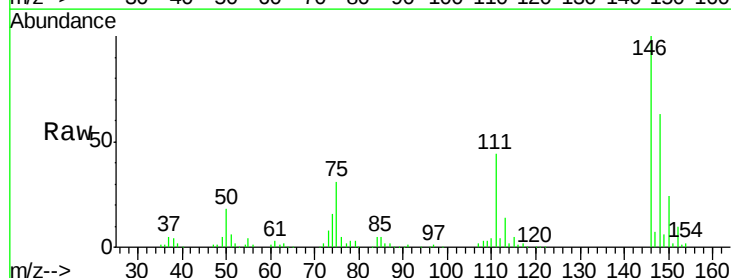
Sohil

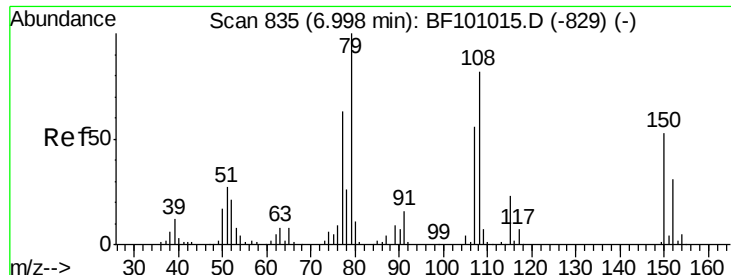
12/13/2017 12:07:45 PM



#14
1,2-Dichlorobenzene
Concen: 40.983 ng
RT: 6.99 min Scan# 834
Delta R.T. -0.01 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.6	75.8
111	43.9	36.0	54.0



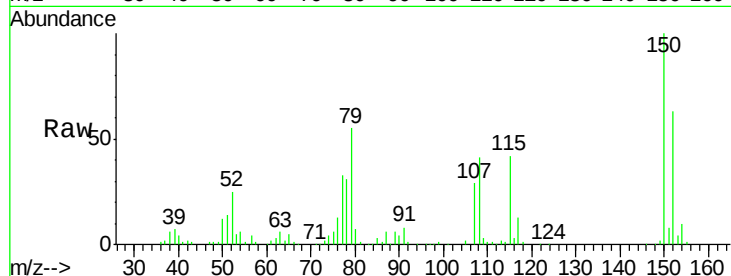


#15
Benzyl Alcohol
Concen: 41.464 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.01 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

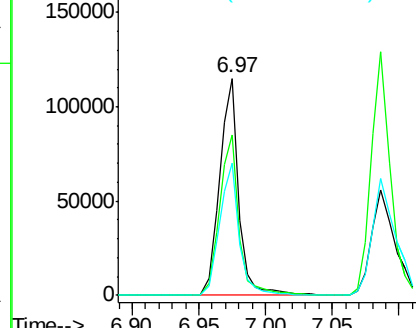
Instrument :
BNA_F
ClientSampleId :
SB-1(13-15)MSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	73.7	65.1	97.7
77	60.6	50.6	75.8

Manual Integrations
APPROVED

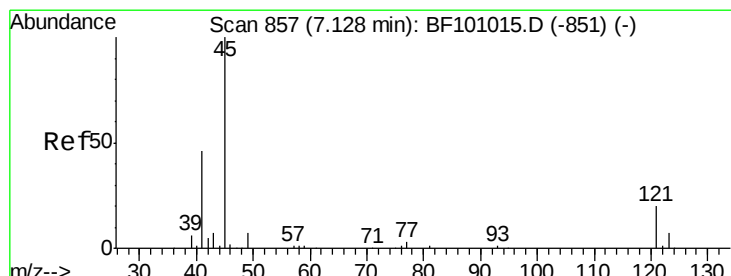
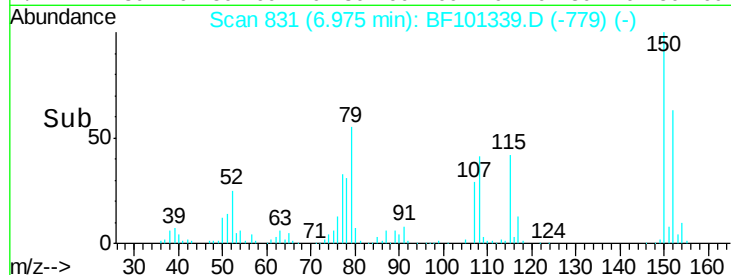


Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1



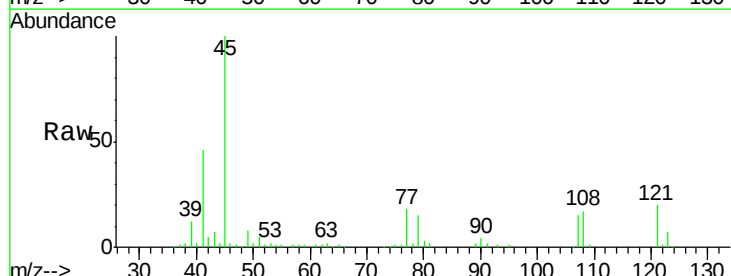
Sohil

12/13/2017 12:07:45 PM

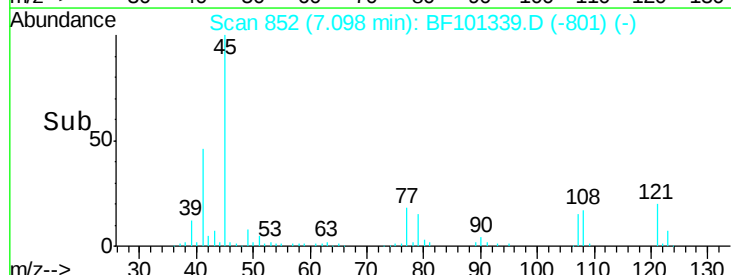
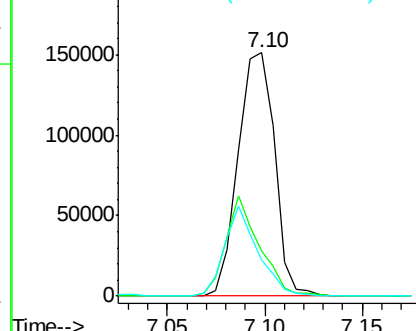


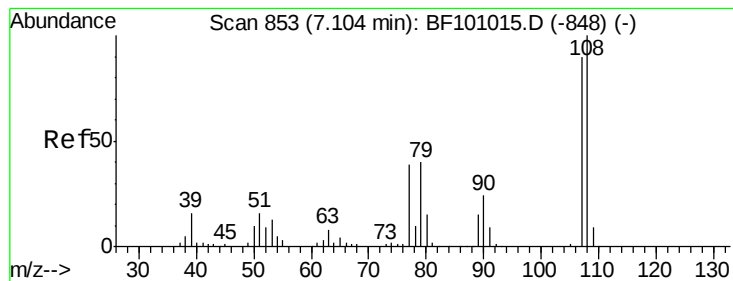
#16
2,2'-oxybis(1-chloropropane)
Concen: 47.790 ng
RT: 7.10 min Scan# 852
Delta R.T. 0.00 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Tgt Ion	Ratio	Lower	Upper
45	100		
77	18.4	0.0	32.9
79	14.8	0.0	29.6



Abundance Ion 45.00 (44.70 to 45.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1



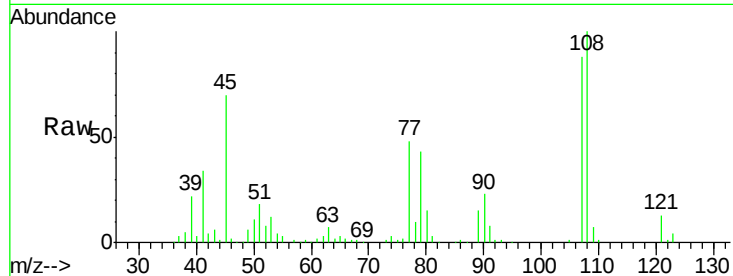


#17
2-Methylphenol
Concen: 42.929 ng
RT: 7.09 min Scan# 850
Delta R.T. 0.01 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

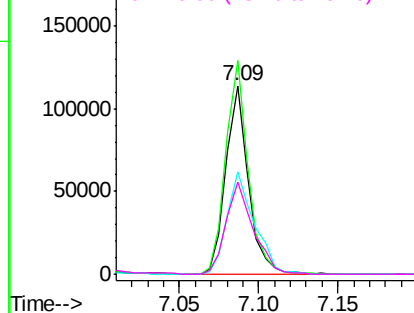
Instrument :
BNA_F
ClientSampleId :
SB-1(13-15)MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	113.4	91.7	137.5	
77	54.5	33.8	50.8	
79	48.8	33.8	50.8	

Manual Integrations
APPROVED

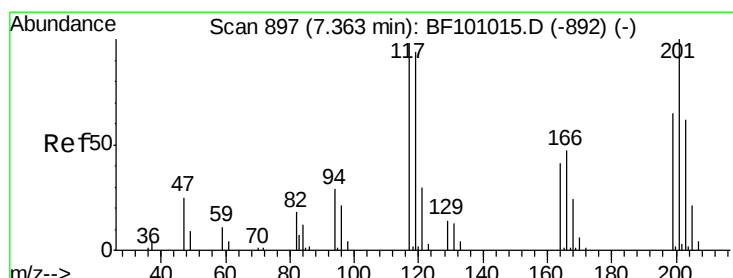
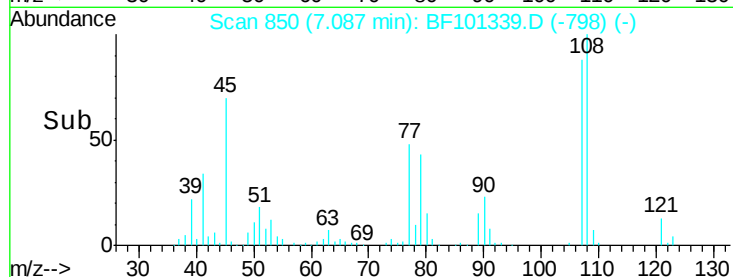


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1



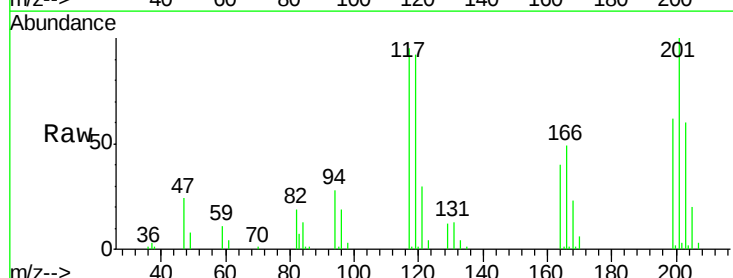
Sohil

12/13/2017 12:07:45 PM

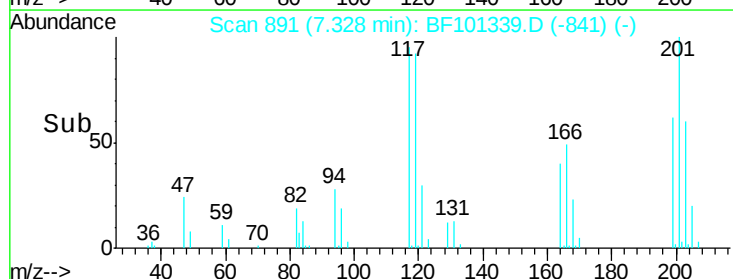
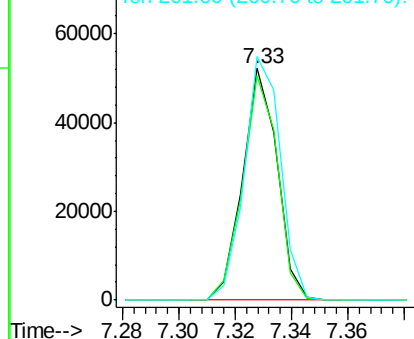


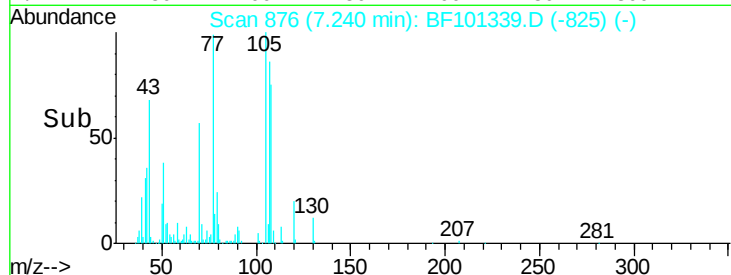
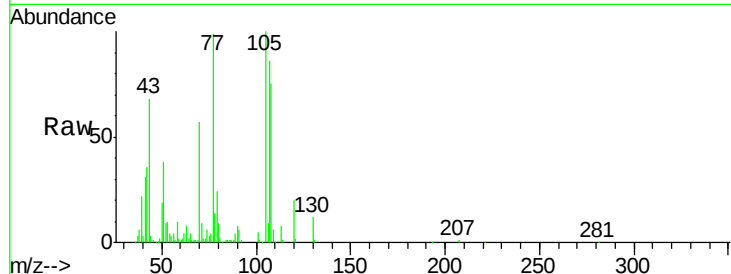
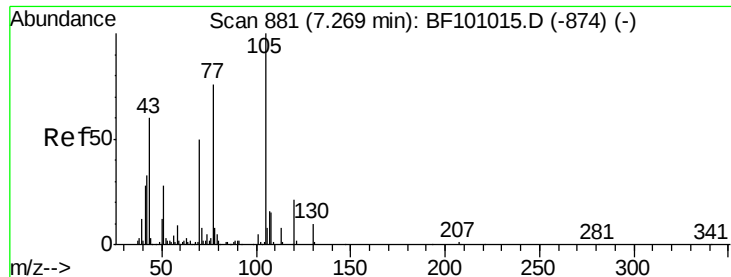
#18
Hexachloroethane
Concen: 35.058 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.9	75.8	113.8	
201	105.1	75.7	113.5	



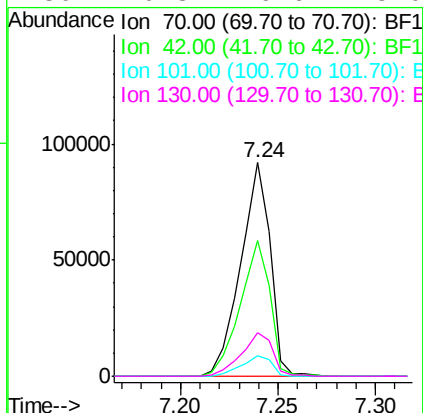
Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#19
n-Nitroso-di-n-propylamine
Concen: 39.426 ng
RT: 7.24 min Scan# 876
Delta R.T. 0.00 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Tot Ion	70	Resp:	96509
Ion Ratio	Lower	Upper	
70	100		
42	63.4	47.5	71.3
101	9.3	7.4	11.2
130	20.3	16.6	25.0

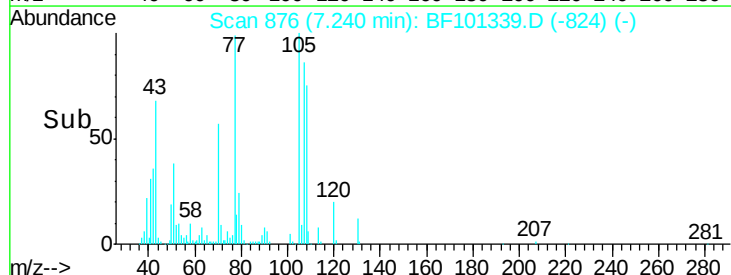
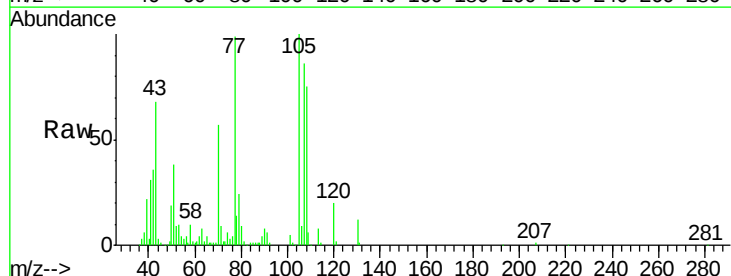
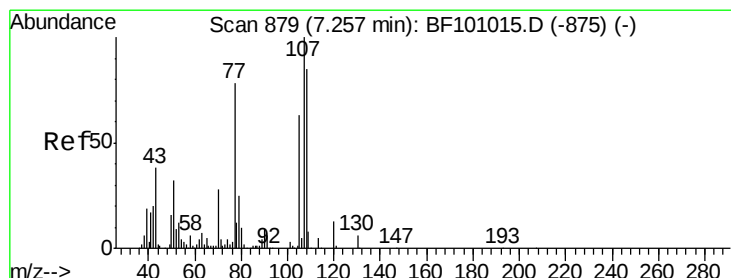


Instrument :
BNA_F
ClientSampleId :
SB-1(13-15)MSD

Manual Integrations
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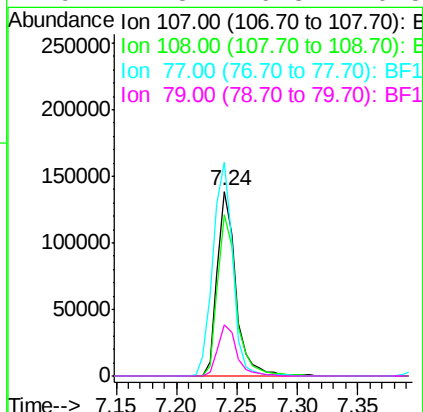
Sohil

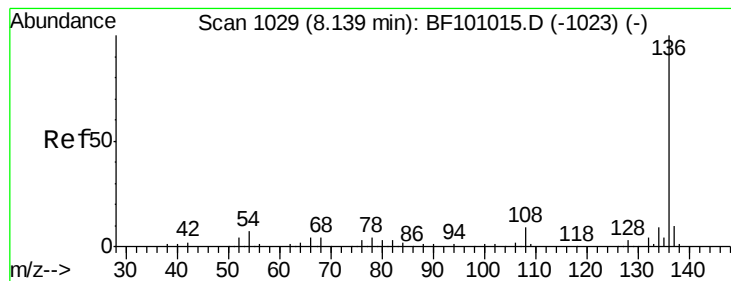
12/13/2017 12:07:45 PM



#20
3+4-Methylphenols
Concen: 42.347 ng
RT: 7.24 min Scan# 876
Delta R.T. 0.01 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Tgt Ion	107	Resp:	145566
Ion Ratio	Lower	Upper	
107	100		
108	87.1	68.2	108.2
77	115.5	26.7	66.7#
79	27.8	6.3	46.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.11 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BF101339.D

Acq: 12 Dec 2017 19:32

Instrument :

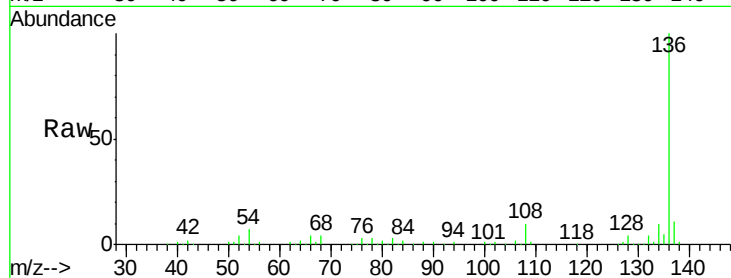
BNA_F

ClientSampleId :

SB-1(13-15)MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	194845		
137	10.7	8.9	13.3	
54	7.2	6.6	9.8	
68	4.0	5.0	7.4	

Manual Integrations
APPROVED



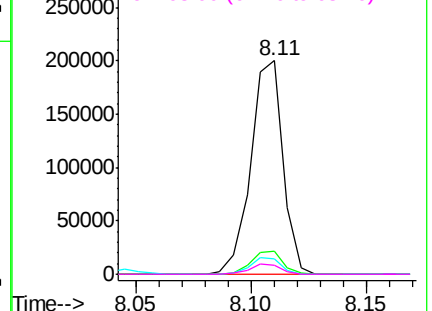
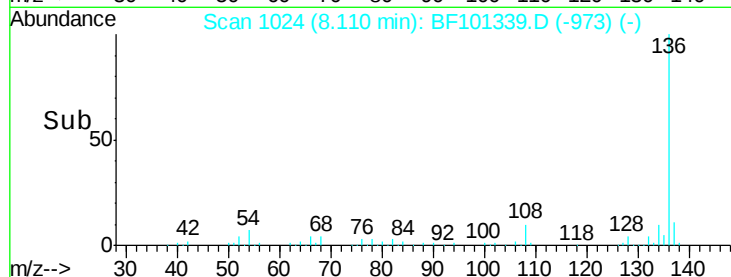
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

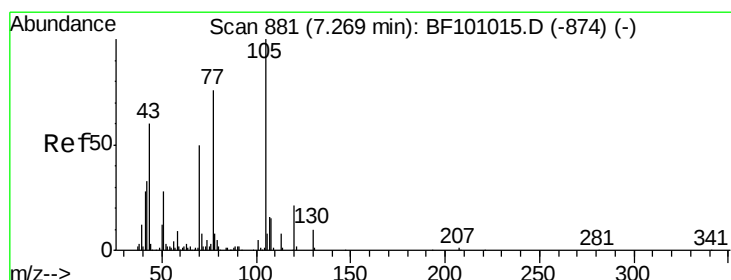
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



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12/13/2017 12:07:45 PM



#22

Acetophenone

Concen: 39.692 ng

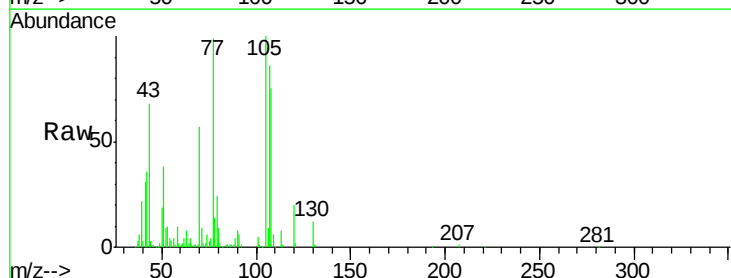
RT: 7.24 min Scan# 876

Delta R.T. 0.00 min

Lab File: BF101339.D

Acq: 12 Dec 2017 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	186842		
71	9.1	4.4	6.6	
51	38.4	22.3	33.5	
120	20.2	16.9	25.3	



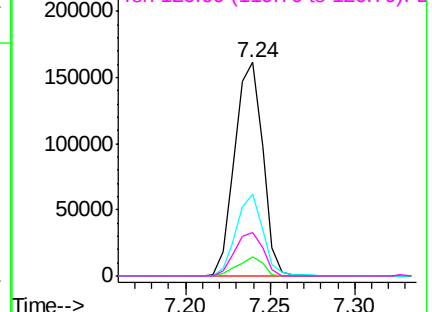
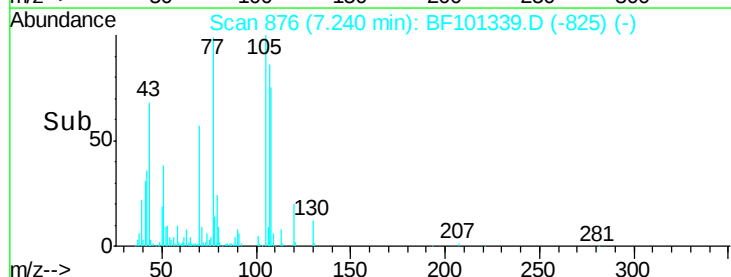
Abundance

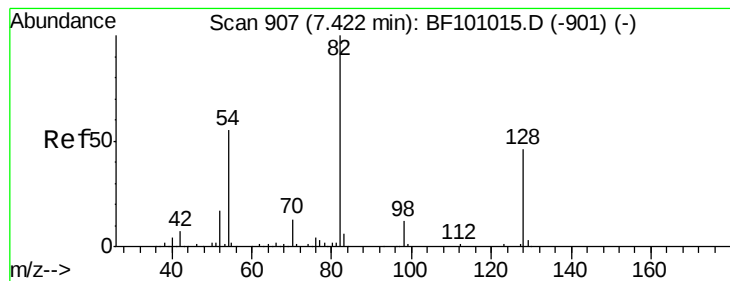
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 90.228 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.00 min

Lab File: BF101339.D

Acq: 12 Dec 2017 19:32

Instrument :

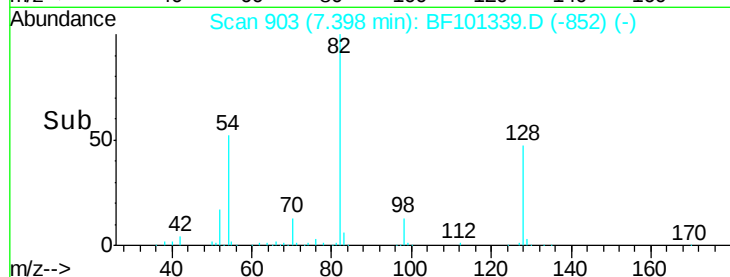
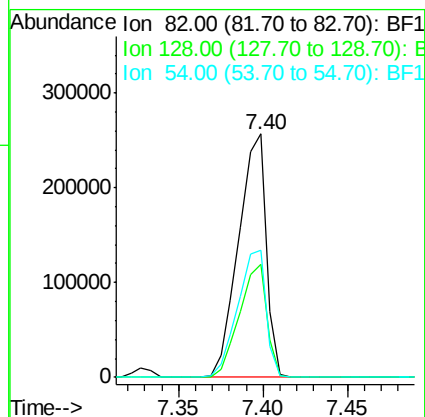
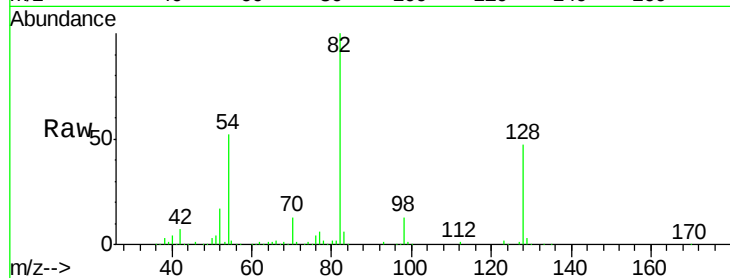
BNA_F

ClientSampleId :

SB-1(13-15)MSD

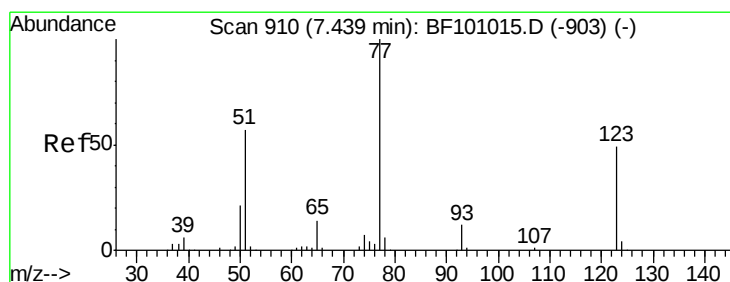
Tot Ion:	82	Resp:	294713
Ion Ratio	Lower	Upper	
82	100		
128	46.6	36.1	54.1
54	52.2	41.4	62.2

Manual Integrations
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Sohil

12/13/2017 12:07:45 PM



#24

Nitrobenzene

Concen: 43.935 ng

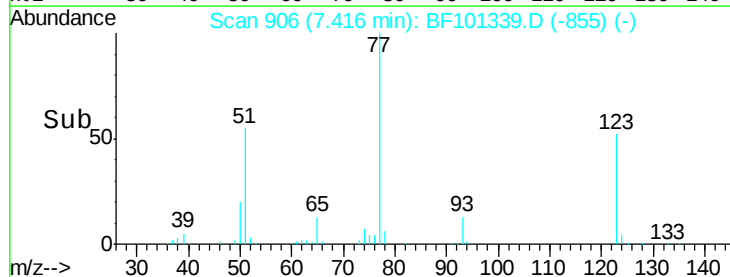
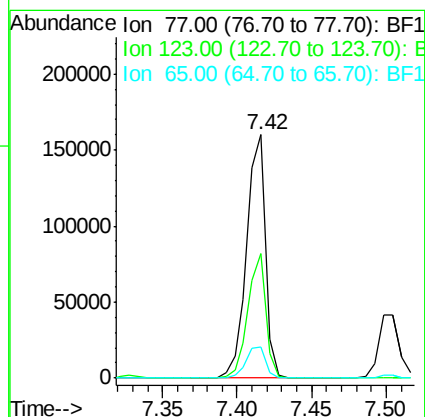
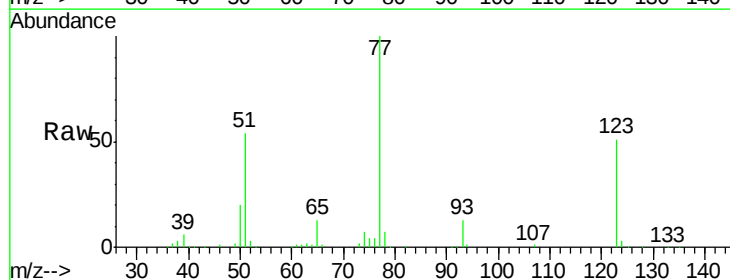
RT: 7.42 min Scan# 906

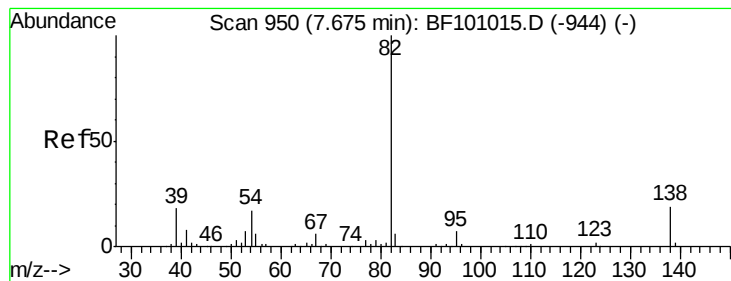
Delta R.T. 0.00 min

Lab File: BF101339.D

Acq: 12 Dec 2017 19:32

Tgt Ion:	77	Resp:	140647
Ion Ratio	Lower	Upper	
77	100		
123	51.2	37.9	56.9
65	12.7	11.0	16.4





#25

Isophorone

Concen: 45.432 ng

RT: 7.65 min Scan# 946

Delta R.T. 0.00 min

Lab File: BF101339.D

Acq: 12 Dec 2017 19:32

Instrument :

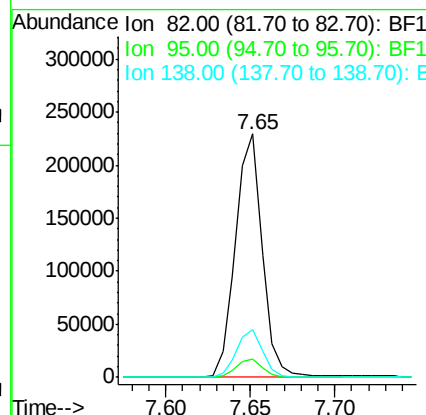
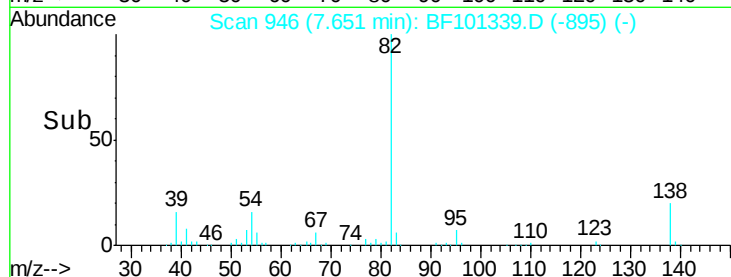
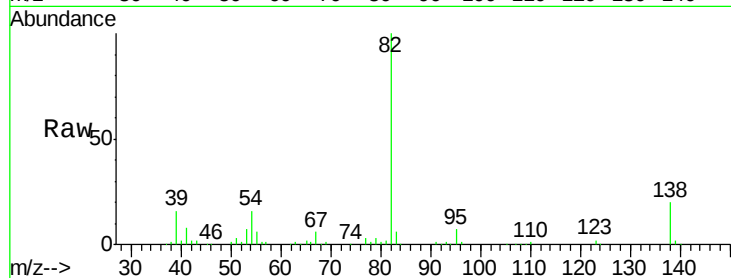
BNA_F

ClientSampleId :

SB-1(13-15)MSD

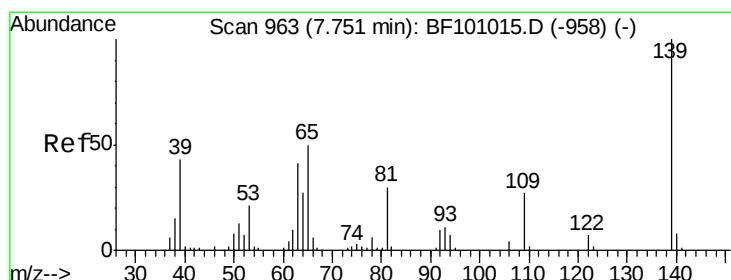
Tot Ion:	82	Resp:	253473
Ion Ratio	Lower	Upper	
82	100		
95	7.4	5.2	7.8
138	19.6	14.9	22.3

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12/13/2017 12:07:45 PM



#26

2-Nitrophenol

Concen: 36.976 ng

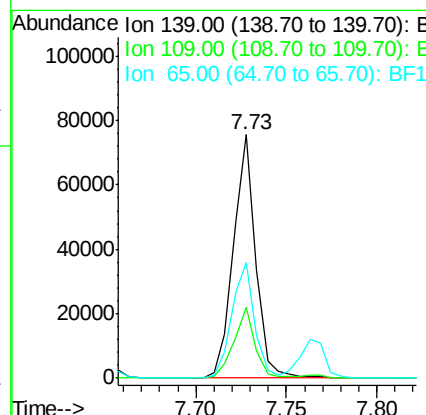
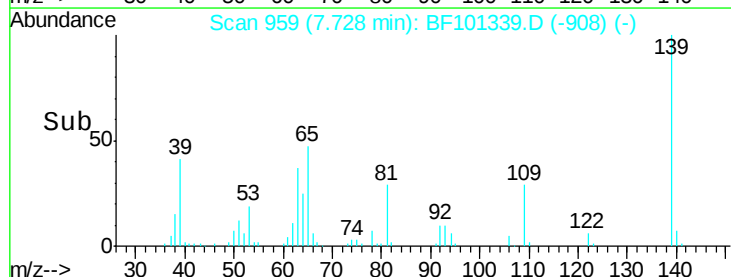
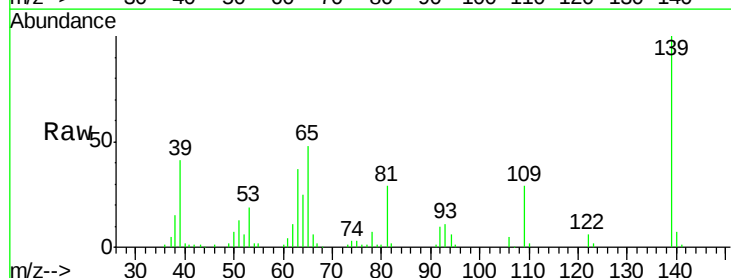
RT: 7.73 min Scan# 959

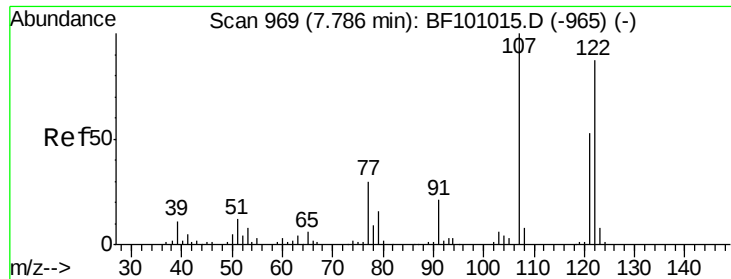
Delta R.T. 0.00 min

Lab File: BF101339.D

Acq: 12 Dec 2017 19:32

Tgt Ion:	139	Resp:	64979
Ion Ratio	Lower	Upper	
139	100		
109	29.0	22.7	34.1
65	47.7	40.5	60.7



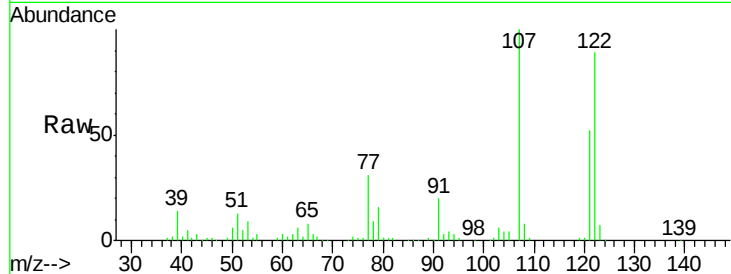


#27
2,4-Dimethylphenol
Concen: 47.910 ng
RT: 7.76 min Scan# 965
Delta R.T. 0.00 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

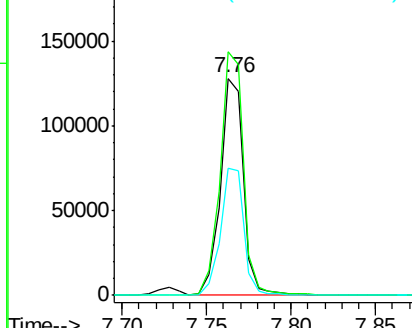
Instrument :
BNA_F
ClientSampleId :
SB-1(13-15)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100		121794		
107	112.1	91.2	136.8		
121	58.4	47.2	70.8		

Manual Integrations
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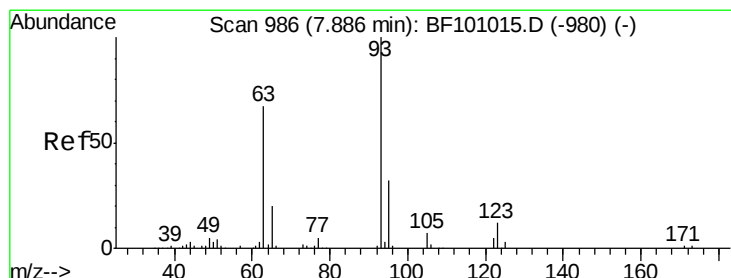
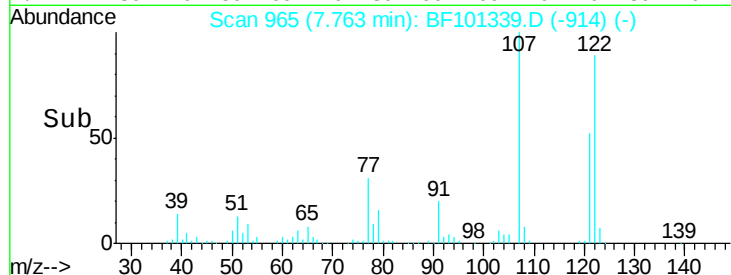


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E



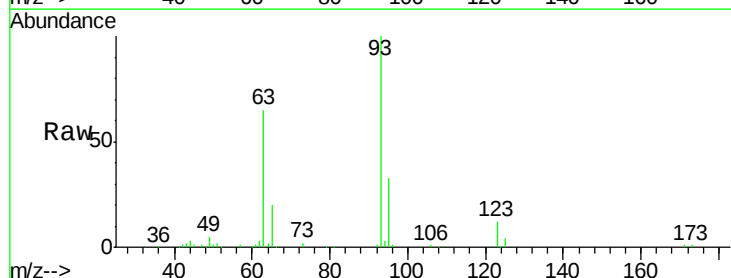
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12/13/2017 12:07:45 PM

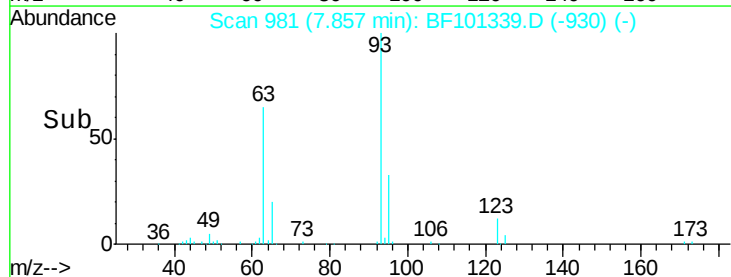
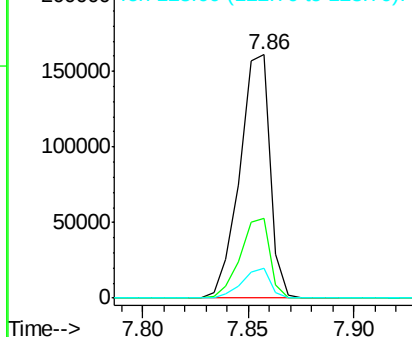


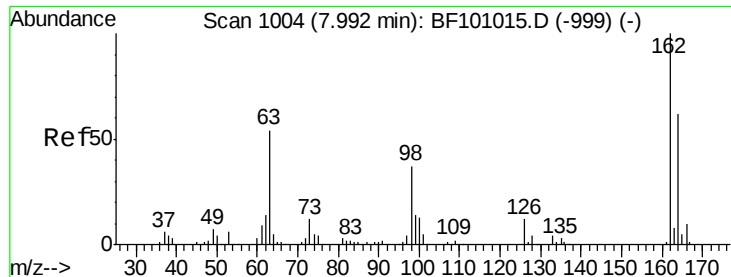
#28
bis(2-Chloroethoxy)methane
Concen: 42.775 ng
RT: 7.86 min Scan# 981
Delta R.T. 0.00 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		160398		
95	32.7	26.3	39.5		
123	12.2	9.8	14.6		



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 123.00 (122.70 to 123.70): E



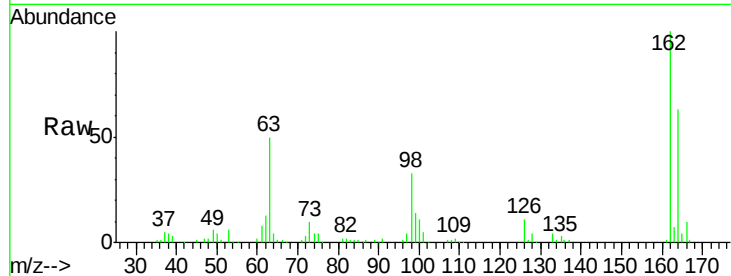


#29
2,4-Dichlorophenol
Concen: 45.046 ng
RT: 7.97 min Scan# 1001
Delta R.T. 0.01 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Instrument :
BNA_F
ClientSampleId :
SB-1(13-15)MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	63.3	42.7	82.7
98	33.3	18.1	58.1

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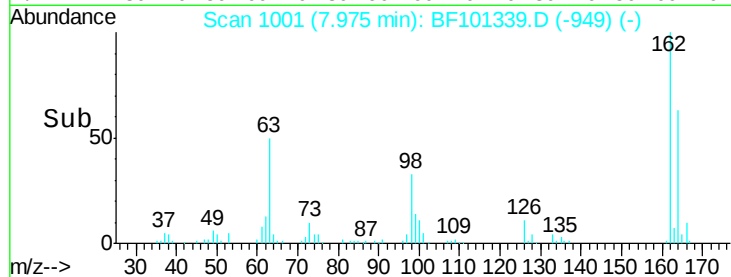
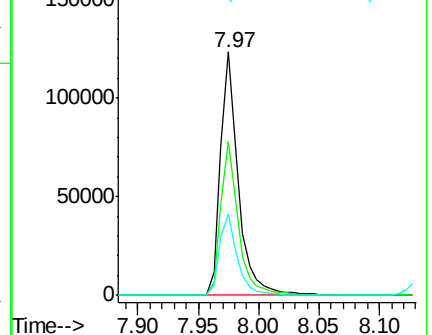


Abundance

Ion 162.00 (161.70 to 162.70): E

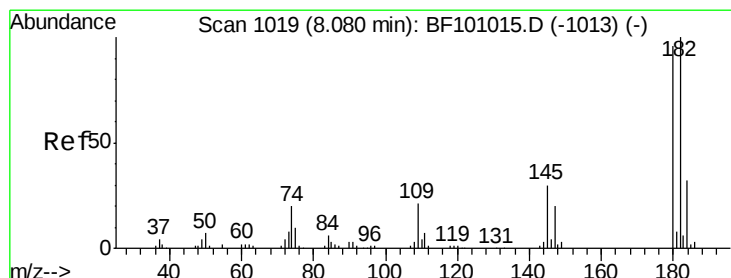
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



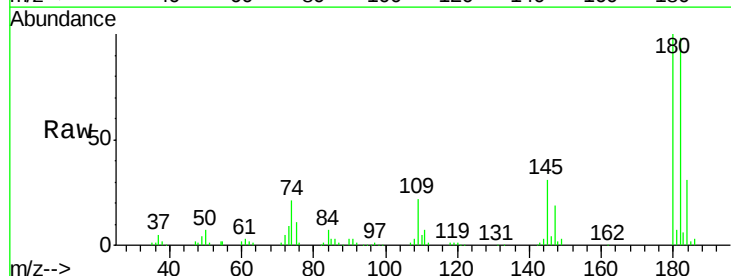
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12/13/2017 12:07:45 PM



#30
1,2,4-Trichlorobenzene
Concen: 43.190 ng
RT: 8.05 min Scan# 1014
Delta R.T. 0.00 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	98.0	76.8	115.2
145	30.6	26.5	39.7

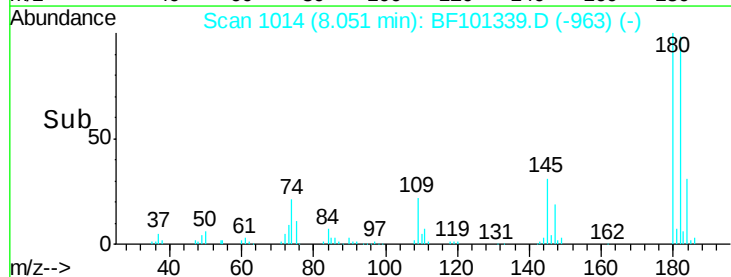
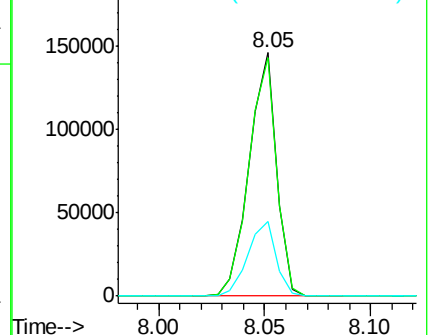


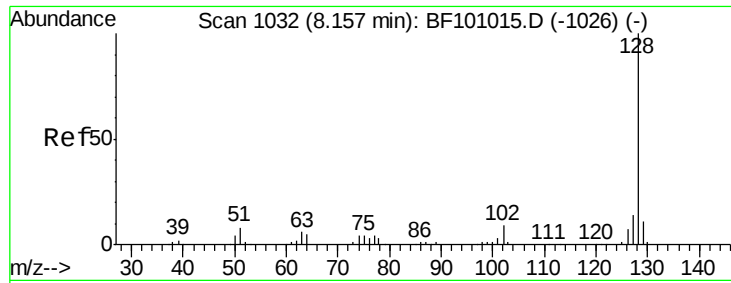
Abundance

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



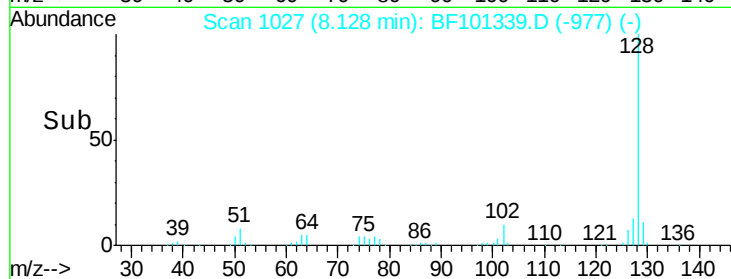
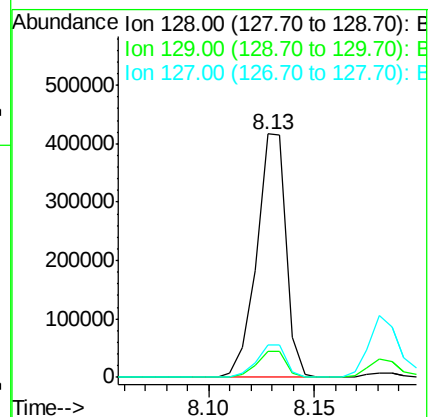
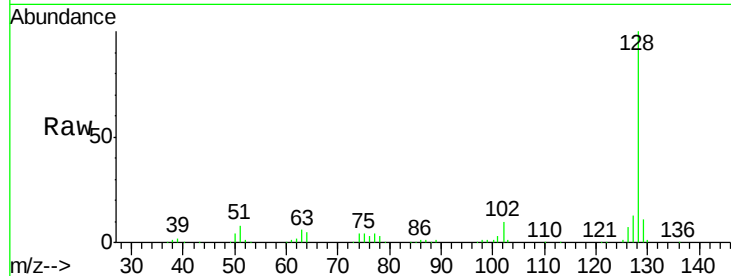


#31
Naphthalene
Concen: 42.250 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Instrument :
BNA_F
ClientSampleId :
SB-1(13-15)MSD

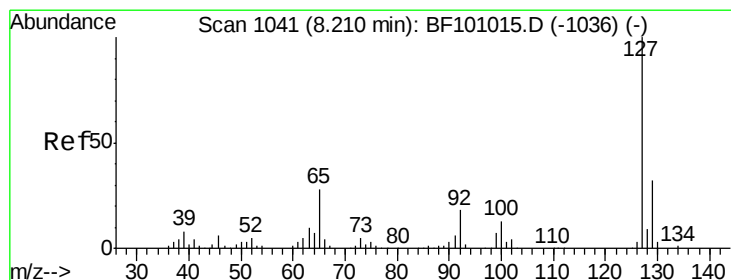
Tot Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.5	10.9	16.3

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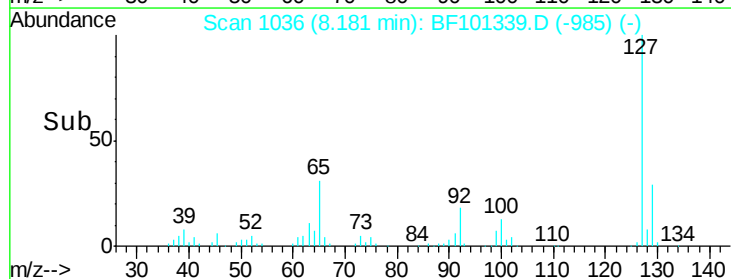
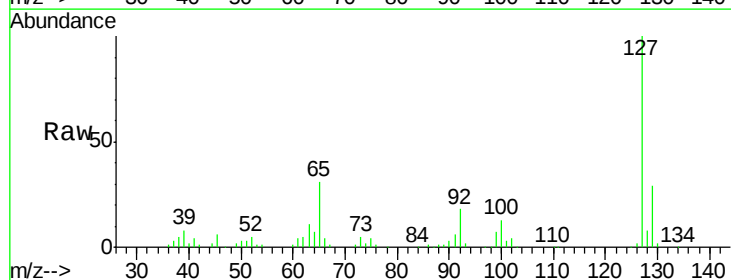
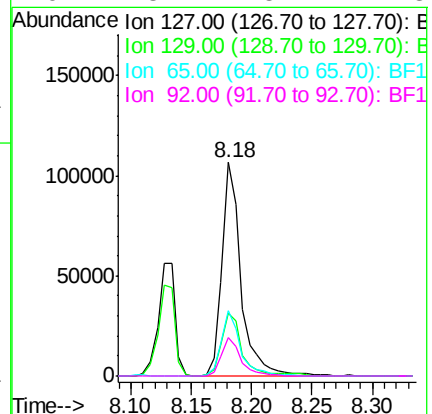
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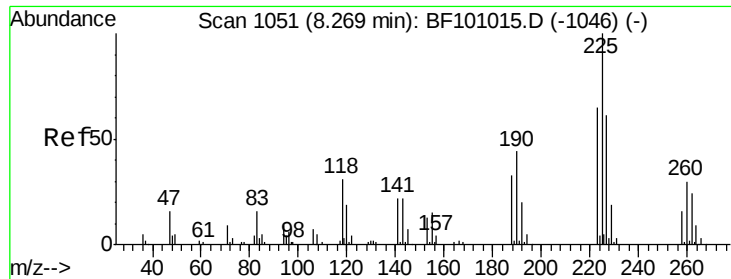
12/13/2017 12:07:45 PM



#33
4-Chloroaniline
Concen: 29.916 ng
RT: 8.18 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Tgt Ion	Ratio	Lower	Upper
127	100		
129	29.2	25.9	38.9
65	30.5	25.0	37.4
92	18.2	15.2	22.8



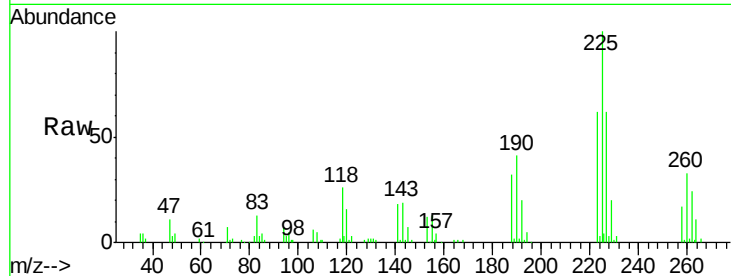


#34
Hexachlorobutadiene
Concen: 40.089 ng
RT: 8.24 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

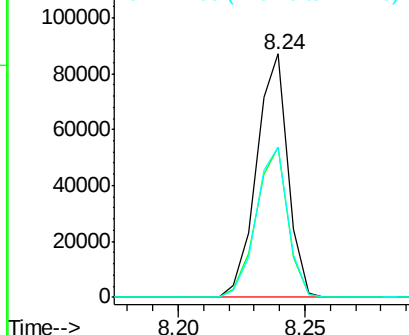
Instrument :
BNA_F
ClientSampleId :
SB-1(13-15)MSD

Tot Ion:	225	Resp:	74813
Ion Ratio	Lower	Upper	
225	100		
223	61.5	50.6	76.0
227	61.8	51.9	77.9

Manual Integrations
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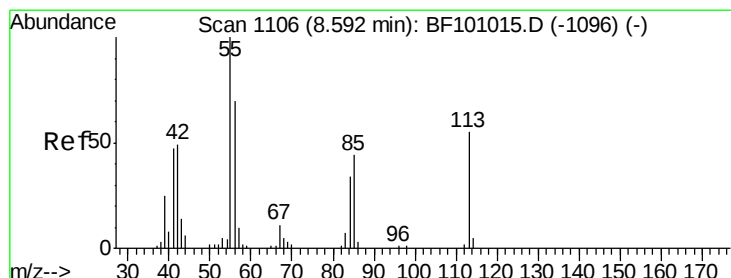
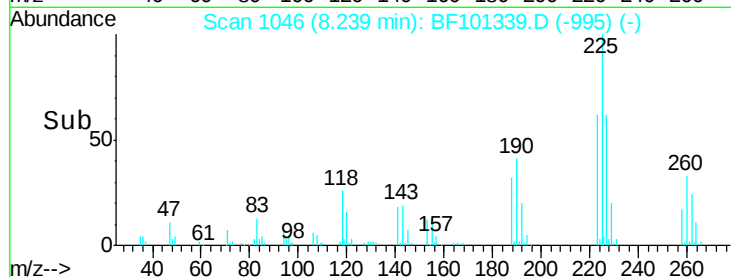


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E



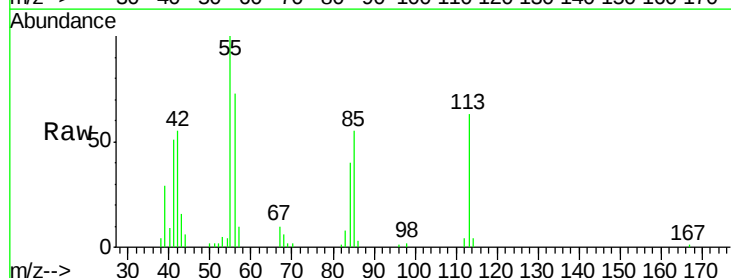
Sohil

12/13/2017 12:07:45 PM

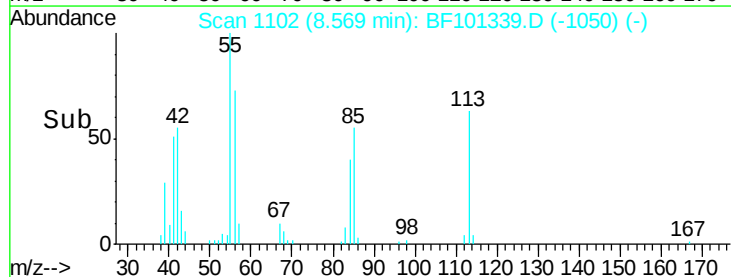
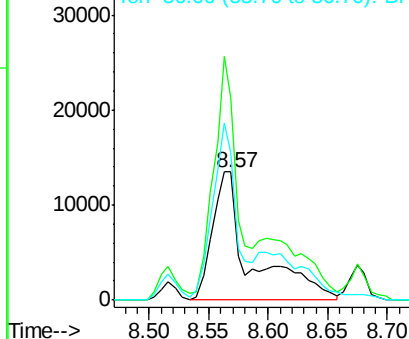


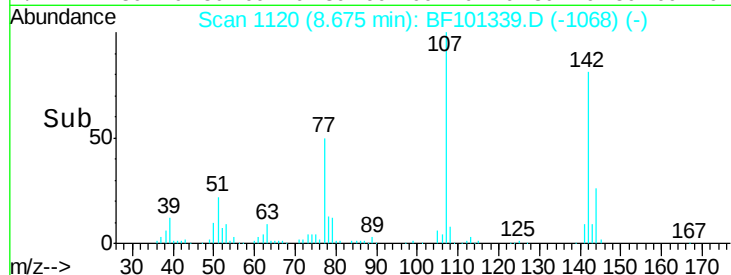
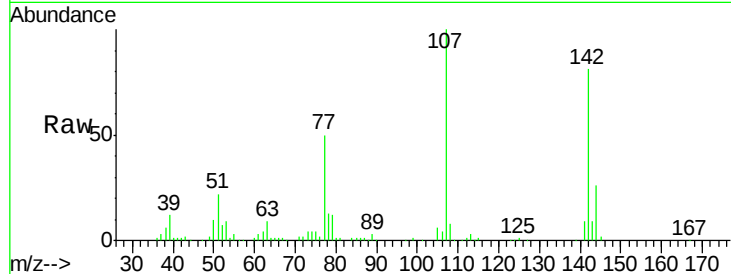
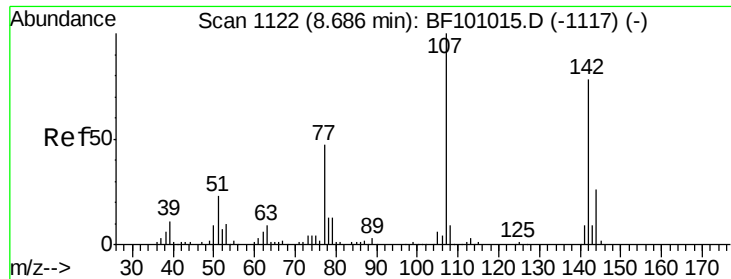
#35
Caprolactam
Concen: 35.403 ng m
RT: 8.57 min Scan# 1102
Delta R.T. 0.01 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Tgt Ion:	113	Resp:	30530
Ion Ratio	Lower	Upper	
113	100		
55	158.2	163.3	203.3#
56	115.1	115.7	155.7#



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1



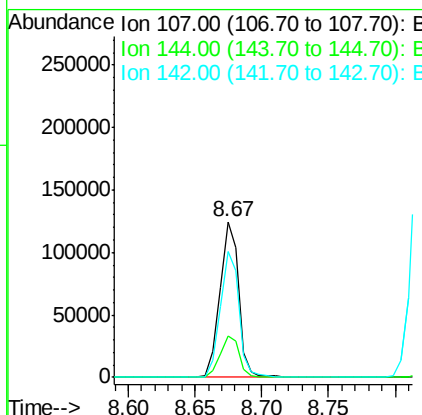


#36
4-Chloro-3-methylphenol
Concen: 43.380 ng
RT: 8.67 min Scan# 1120
Delta R.T. 0.01 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Tot Ion	Ratio	Resp	Lower	Upper
107	100	124341		
144	26.3	20.5	30.7	
142	80.9	62.0	93.0	

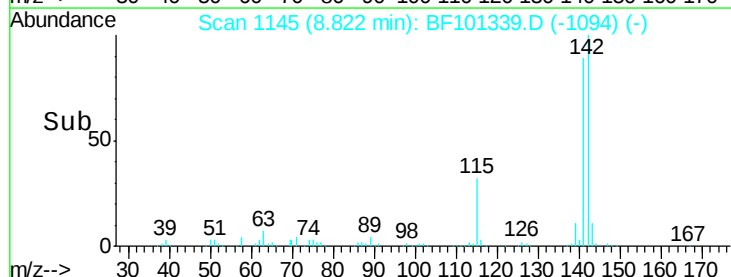
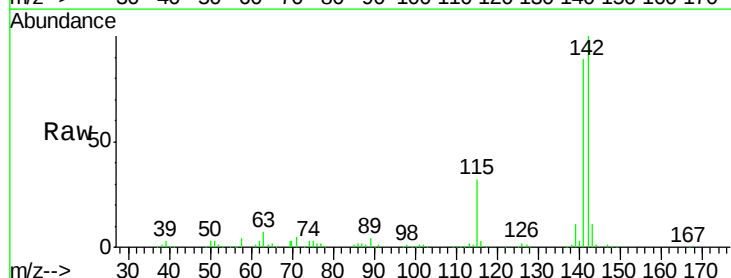
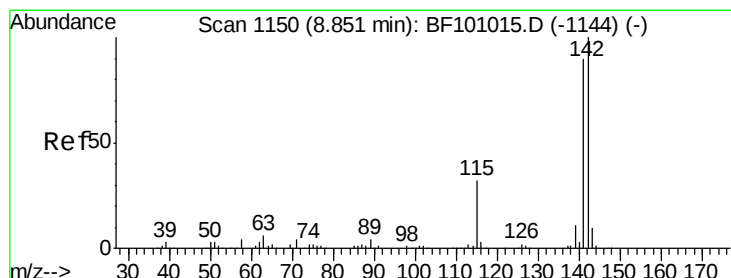
Instrument :
BNA_F
ClientSampleId :
SB-1(13-15)MSD

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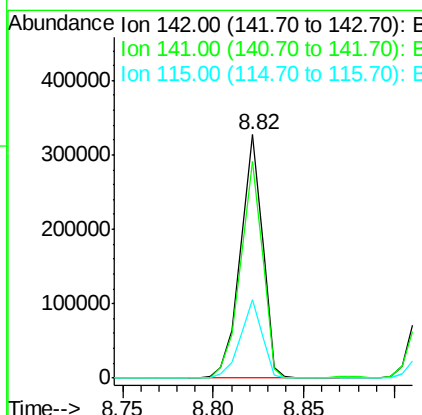
Sohil

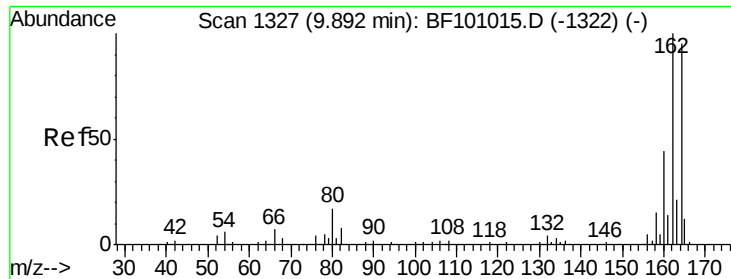
12/13/2017 12:07:45 PM



#37
2-Methylnaphthalene
Concen: 42.609 ng
RT: 8.82 min Scan# 1145
Delta R.T. 0.00 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	278023		
141	88.9	70.8	106.2	
115	32.0	26.1	39.1	



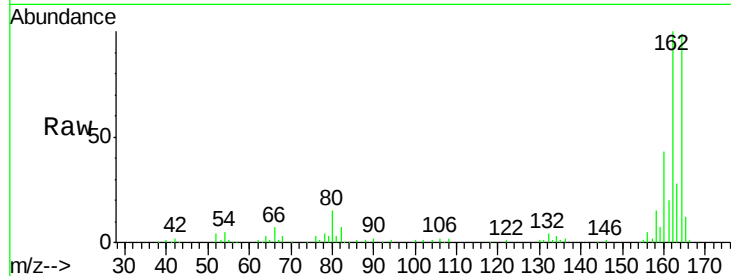


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. 0.00 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

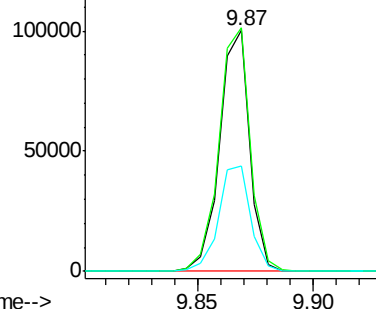
Instrument :
BNA_F
ClientSampleId :
SB-1(13-15)MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.2	86.1	129.1
160	44.0	38.3	57.5

Manual Integrations
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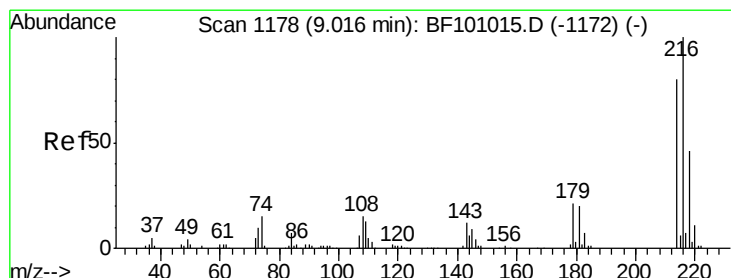
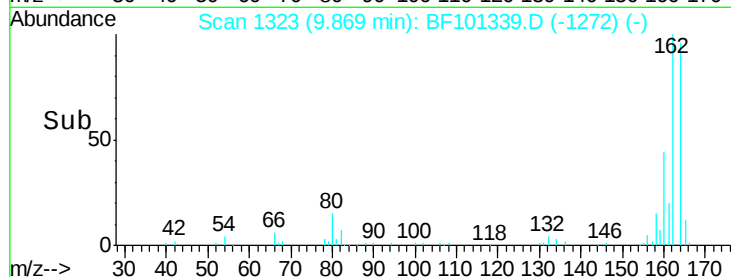


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



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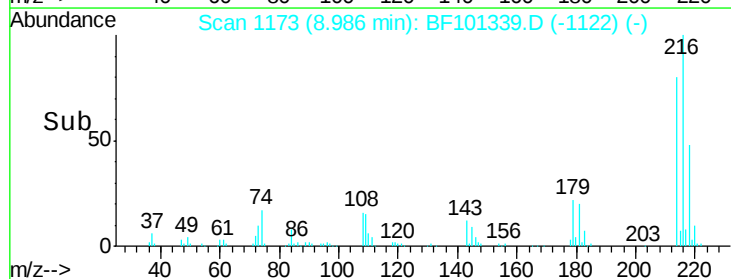
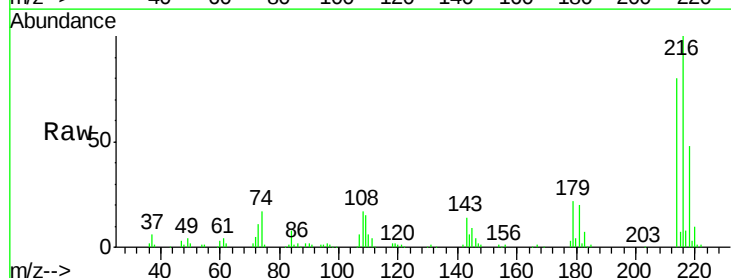
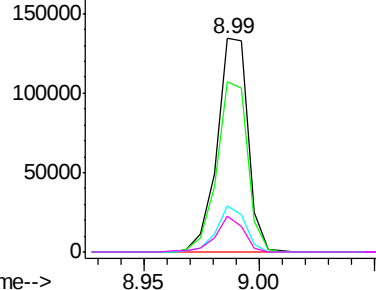
12/13/2017 12:07:45 PM

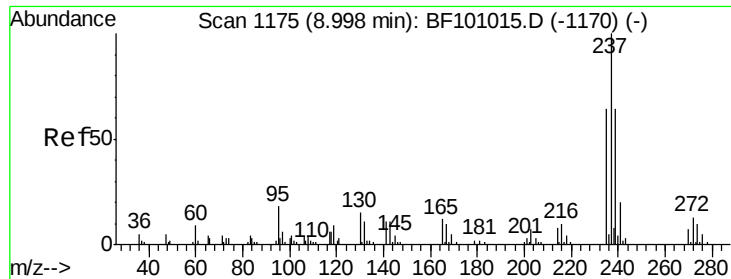


#39
1,2,4,5-Tetrachlorobenzene
Concen: 38.167 ng
RT: 8.99 min Scan# 1173
Delta R.T. 0.00 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.0	94.4
179	20.2	18.1	27.1
108	15.2	17.2	25.8#

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



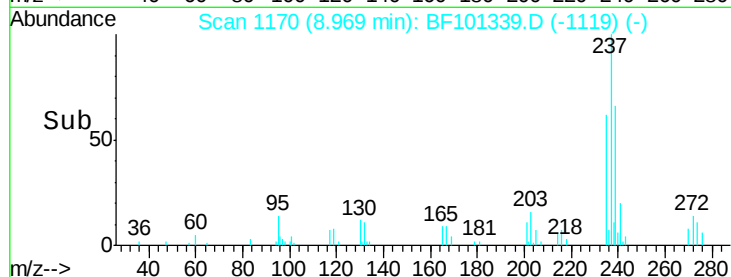
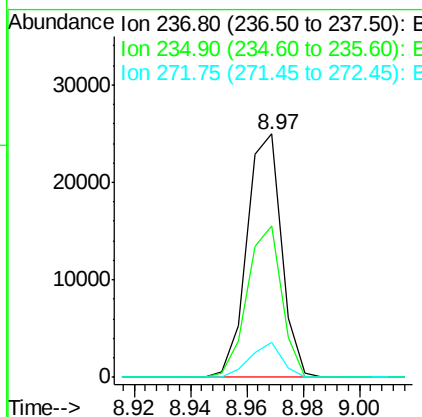
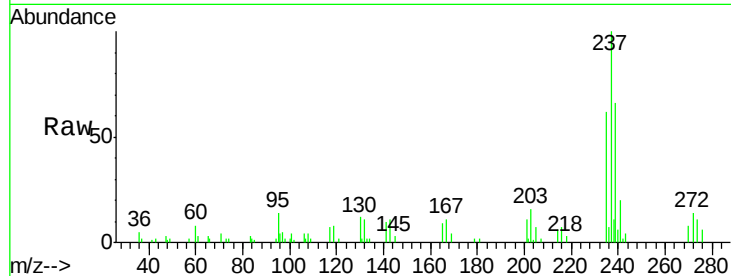


#40
Hexachlorocyclopentadiene
Concen: 24.062 ng
RT: 8.97 min Scan# 1170
Delta R.T. 0.00 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Instrument :
BNA_F
ClientSampleId :
SB-1(13-15)MSD

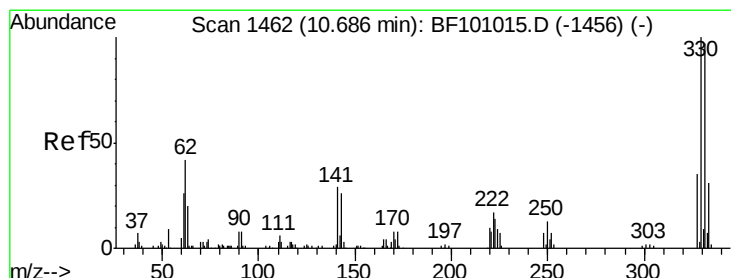
Tot Ion:	237	Resp:	21288
Ion Ratio	Lower	Upper	
237	100		
235	62.1	44.8	84.8
272	14.1	0.0	33.3

Manual Integrations
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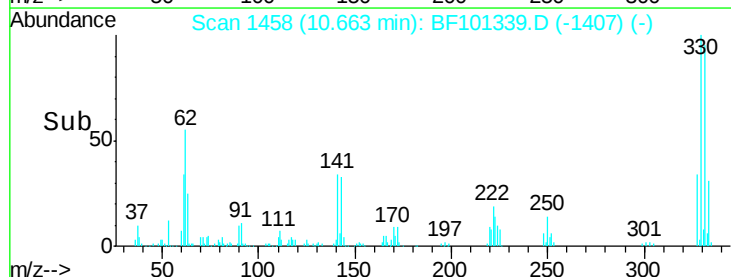
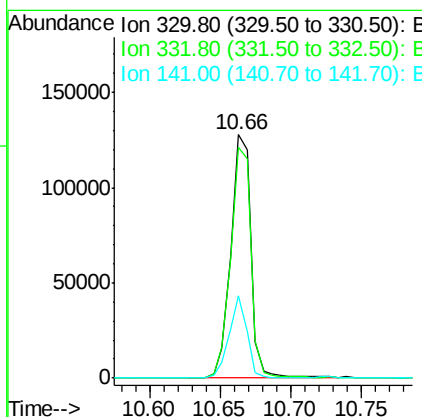
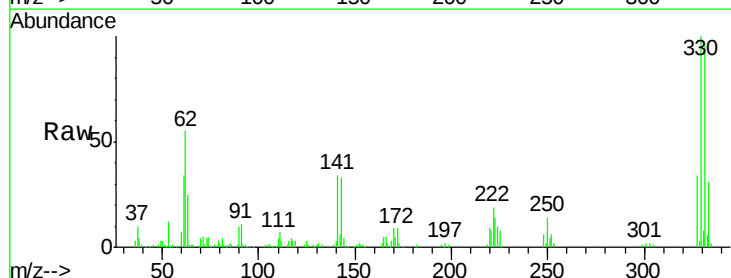
Sohil

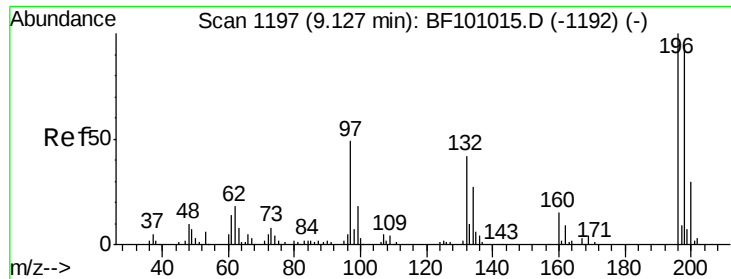
12/13/2017 12:07:45 PM



#41
2,4,6-Tribromophenol
Concen: 116.716 ng
RT: 10.66 min Scan# 1458
Delta R.T. 0.00 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Tgt Ion:	330	Resp:	127372
Ion Ratio	Lower	Upper	
330	100		
332	96.8	77.0	115.6
141	29.9	29.9	44.9#



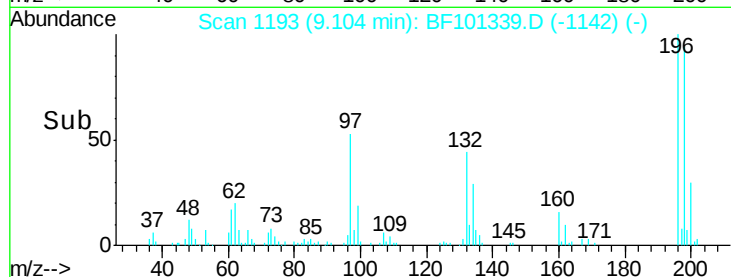
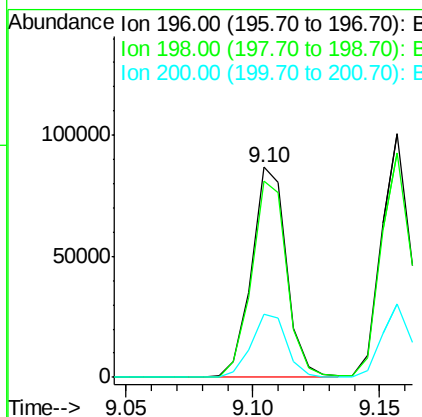
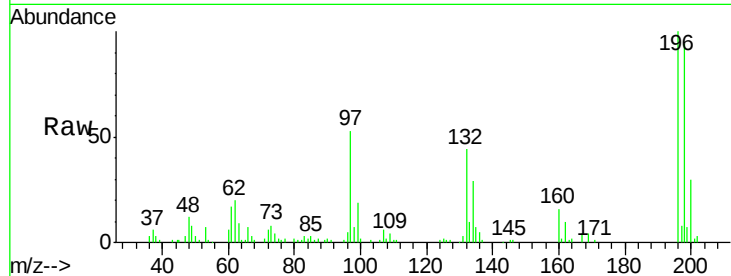


#42
2,4,6-Trichlorophenol
Concen: 43.127 ng
RT: 9.10 min Scan# 1193
Delta R.T. 0.00 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Instrument :
BNA_F
ClientSampled :
SB-1(13-15)MSD

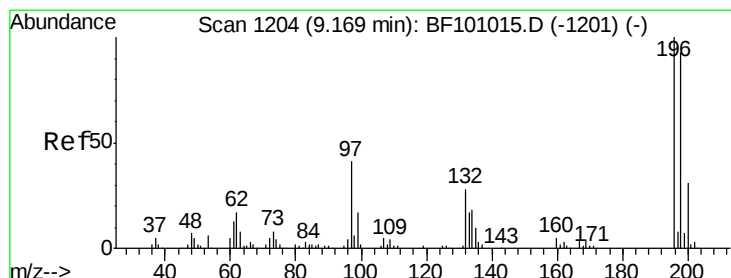
Tot Ion	Ratio	Resp	Lower	Upper
196	100	83433		
198	93.6	75.7	113.5	
200	30.3	24.5	36.7	

Manual Integrations
APPROVED



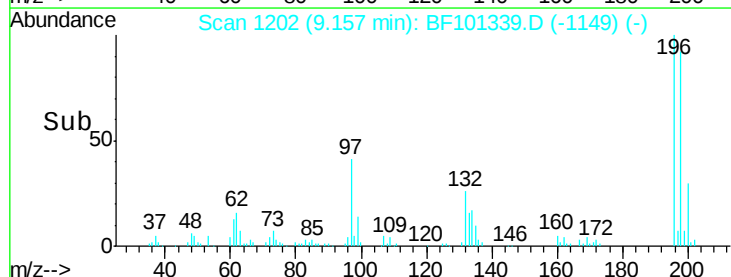
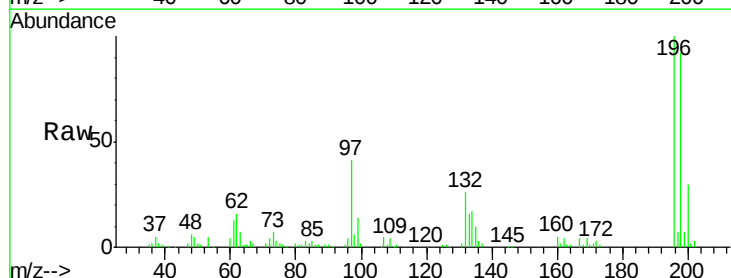
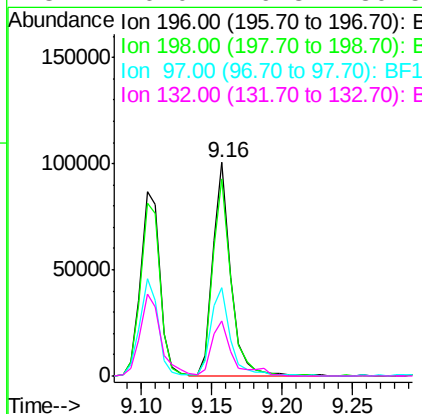
Sohil

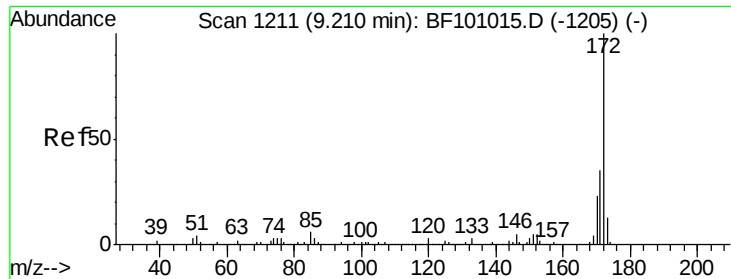
12/13/2017 12:07:45 PM



#43
2,4,5-Trichlorophenol
Concen: 42.921 ng
RT: 9.16 min Scan# 1202
Delta R.T. 0.01 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	88770		
198	92.3	74.6	112.0	
97	41.2	42.9	64.3#	
132	26.0	26.3	39.5#	



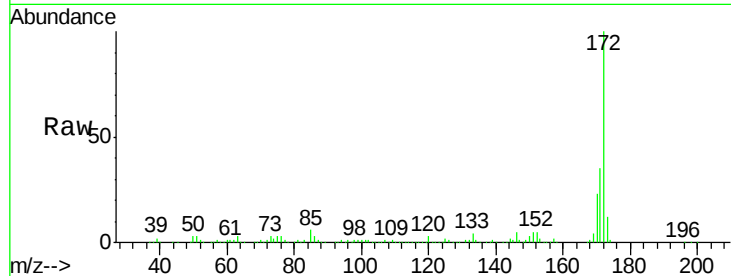


#44
2-Fluorobiphenyl
Concen: 92.487 ng
RT: 9.19 min Scan# 1207
Delta R.T. 0.00 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

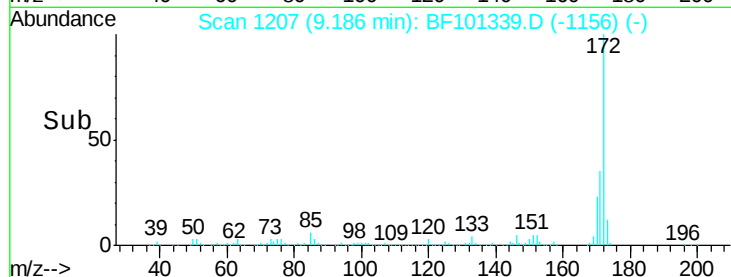
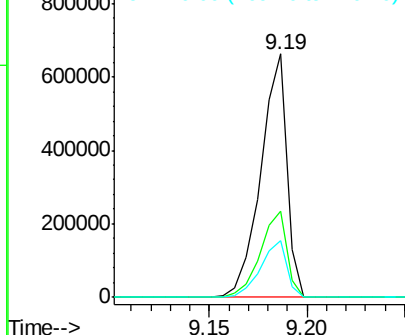
Instrument :
BNA_F
ClientSampleId :
SB-1(13-15)MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	23.4	19.6	29.4

Manual Integrations
APPROVED

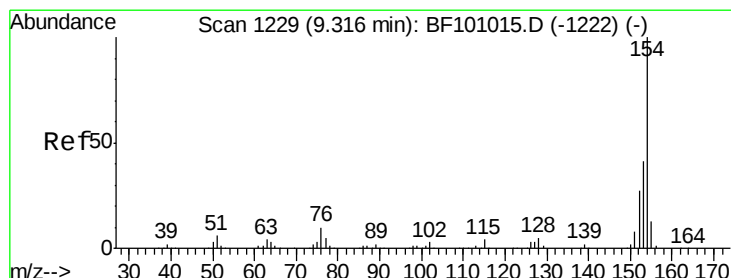


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E



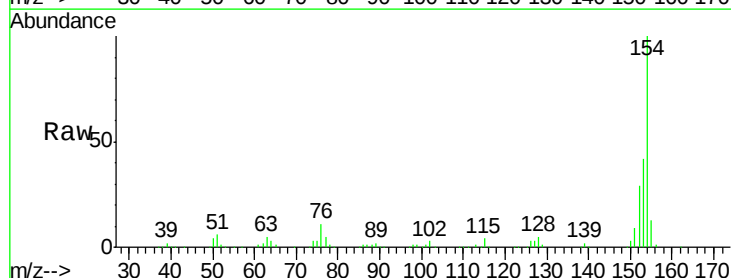
Sohil

12/13/2017 12:07:45 PM

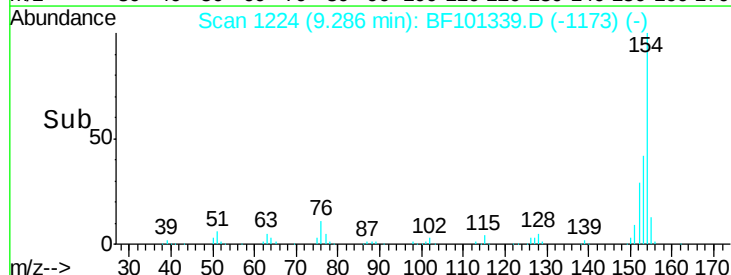
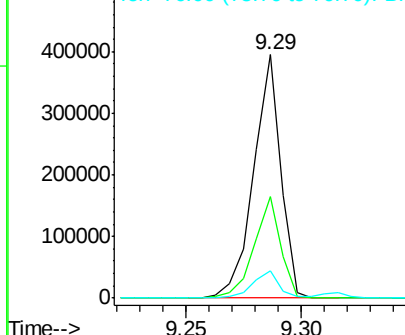


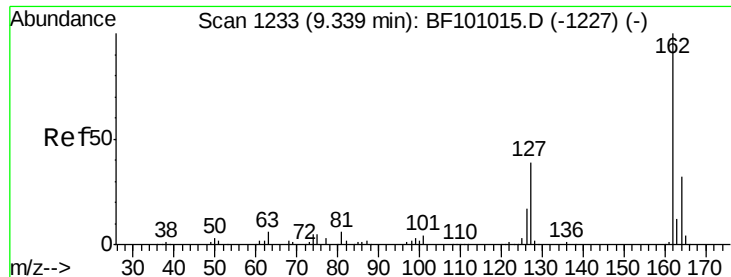
#45
1,1'-Biphenyl
Concen: 38.991 ng
RT: 9.29 min Scan# 1224
Delta R.T. 0.00 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.8	21.3	61.3
76	11.1	0.0	34.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1



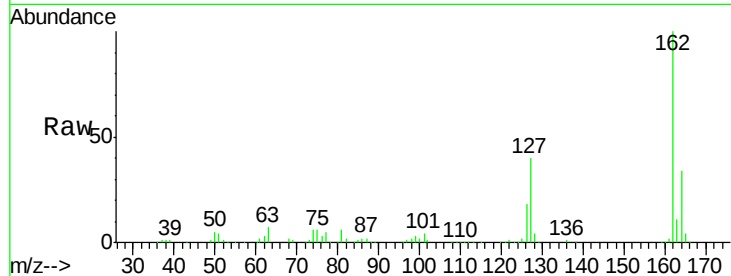


#46
2-Chloronaphthalene
Concen: 43.621 ng
RT: 9.32 min Scan# 1229
Delta R.T. 0.00 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

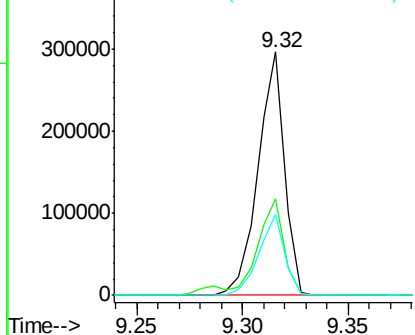
Instrument :
BNA_F
ClientSampleId :
SB-1(13-15)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
162	100				
127	39.7		33.9	50.9	
164	33.5		26.5	39.7	

Manual Integrations
APPROVED

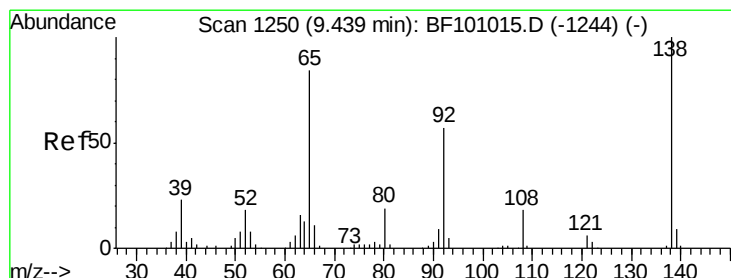
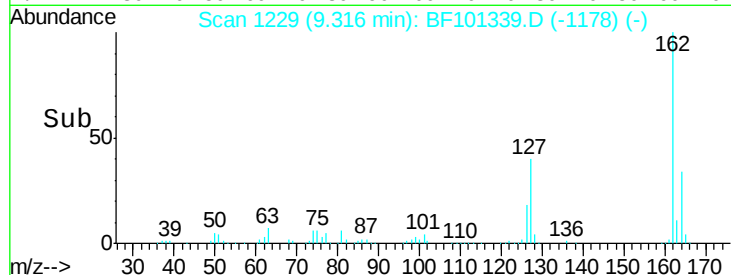


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E



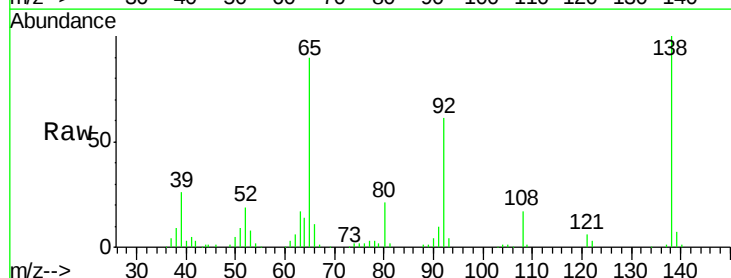
Sohil

12/13/2017 12:07:45 PM

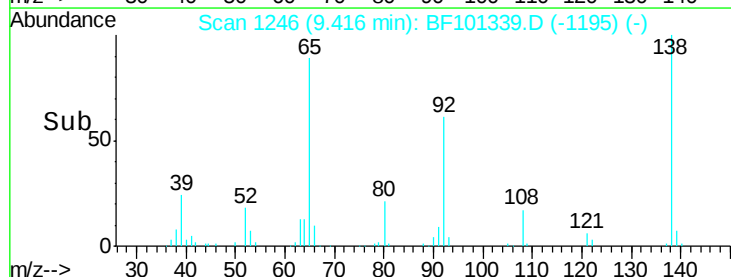
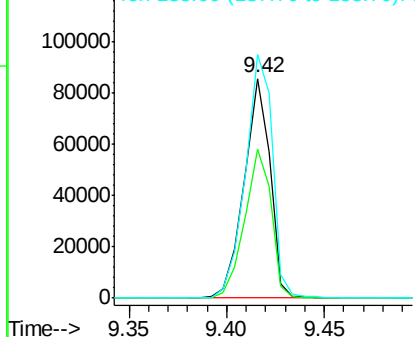


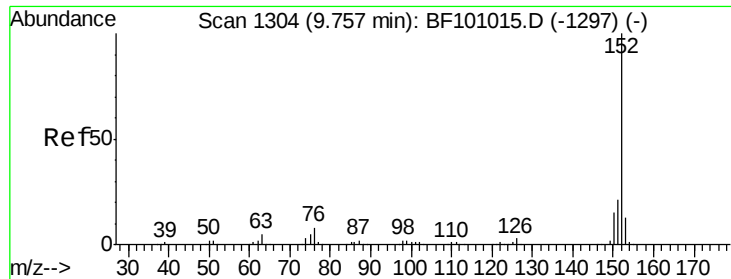
#47
2-Nitroaniline
Concen: 45.273 ng
RT: 9.42 min Scan# 1246
Delta R.T. 0.00 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
65	100				
92	67.9		55.8	83.6	
138	110.8		91.2	136.8	



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 40.840 ng

RT: 9.73 min Scan# 1299

Delta R.T. 0.00 min

Lab File: BF101339.D

Acq: 12 Dec 2017 19:32

Instrument :

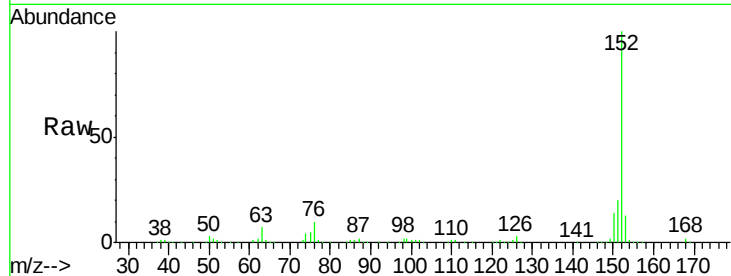
BNA_F

ClientSampleId :

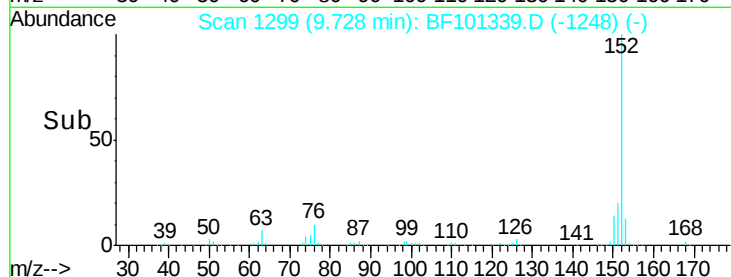
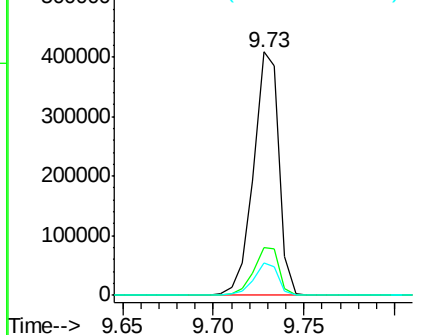
SB-1(13-15)MSD

Tot Ion:	152	Resp:	396723
Ion Ratio	Lower	Upper	
152	100		
151	19.8	16.3	24.5
153	13.1	10.7	16.1

Manual Integrations
APPROVED

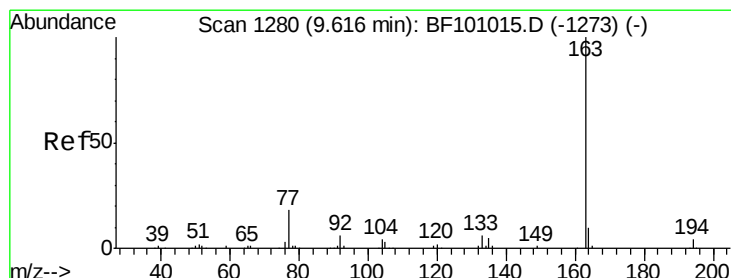


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



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12/13/2017 12:07:45 PM



#49

Dimethylphthalate

Concen: 52.153 ng

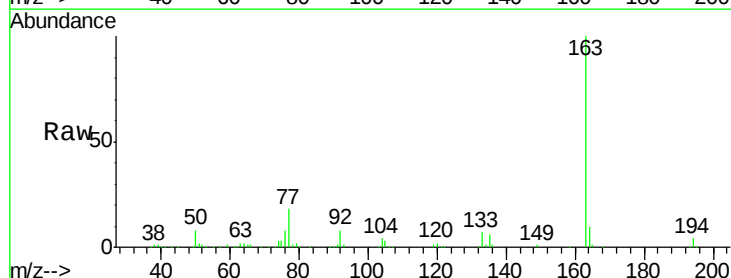
RT: 9.59 min Scan# 1275

Delta R.T. 0.00 min

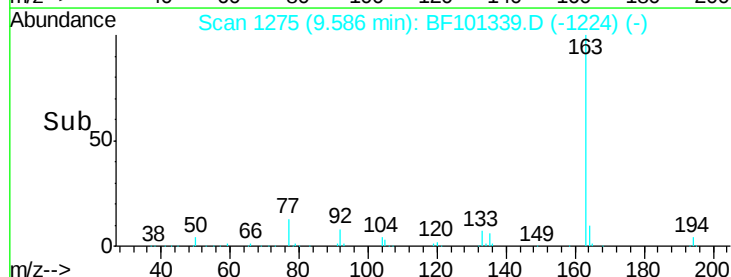
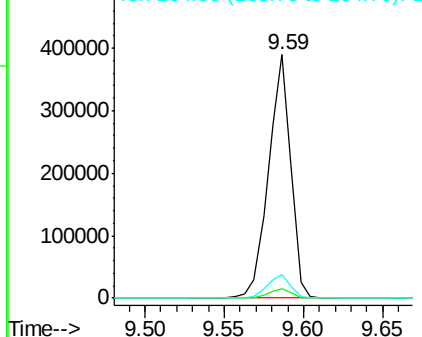
Lab File: BF101339.D

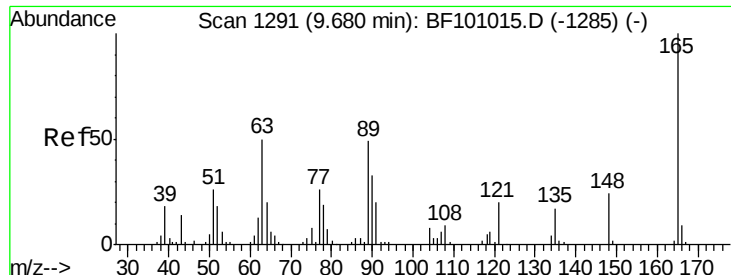
Acq: 12 Dec 2017 19:32

Tgt Ion:	163	Resp:	382093
Ion Ratio	Lower	Upper	
163	100		
194	3.8	2.7	4.1
164	9.7	8.2	12.2



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



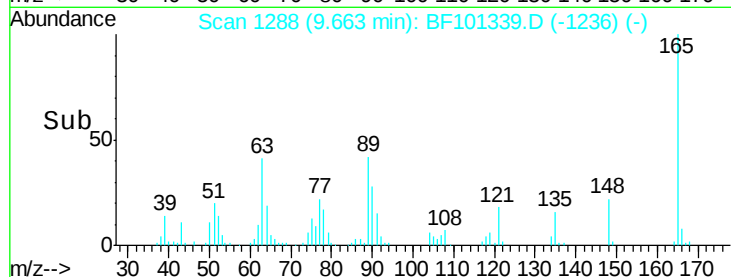
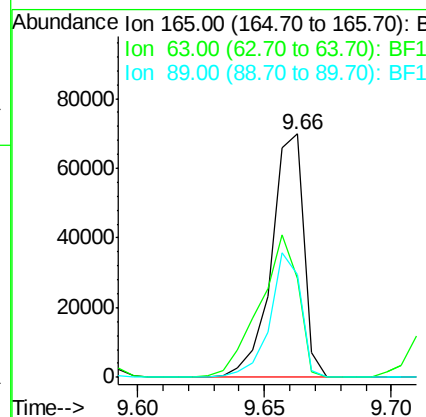
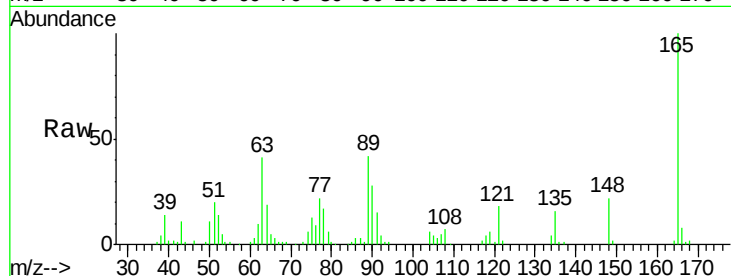


#50
2,6-Dinitrotoluene
Concen: 40.541 ng
RT: 9.66 min Scan# 1288
Delta R.T. 0.01 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Instrument :
BNA_F
ClientSampleId :
SB-1(13-15)MSD

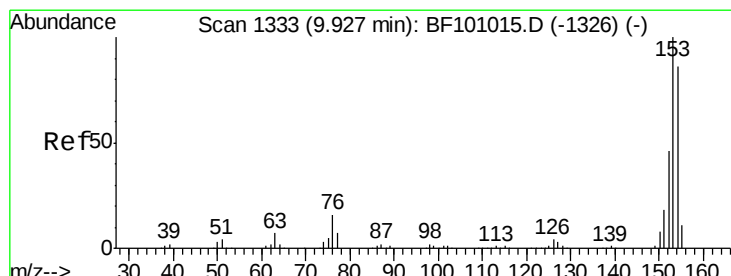
Tot Ion	Ratio	Lower	Upper
165	100		
63	40.8	44.7	67.1#
89	42.3	44.0	66.0#

Manual Integrations
APPROVED



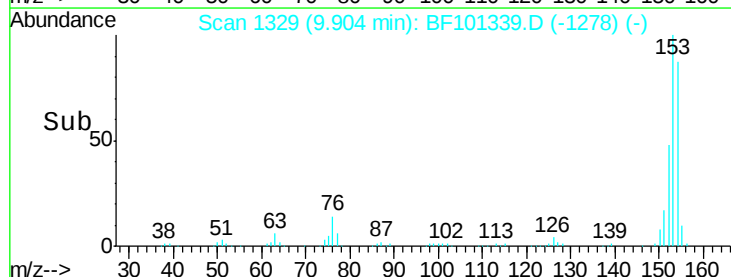
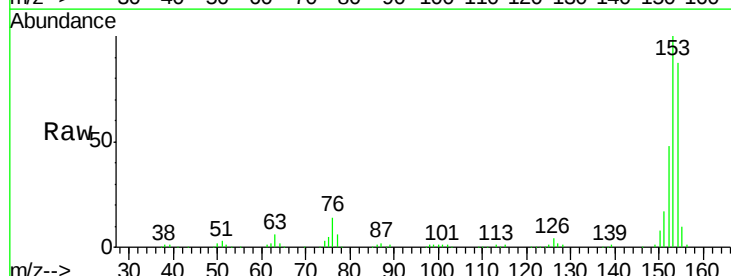
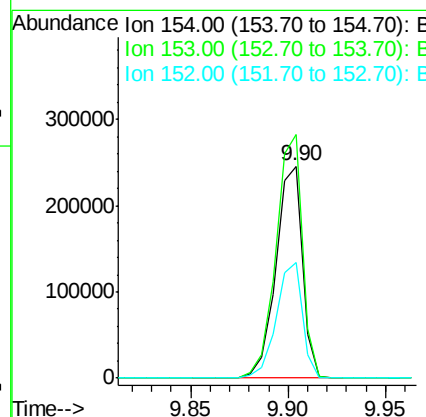
Sohil

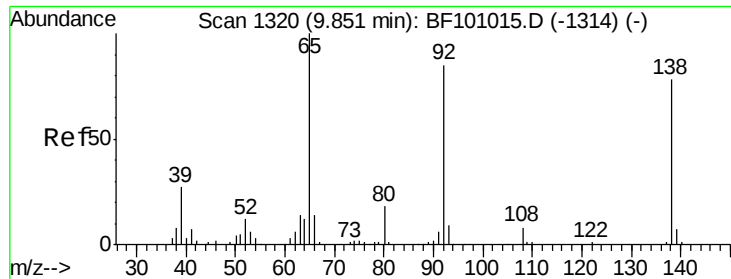
12/13/2017 12:07:45 PM



#51
Acenaphthene
Concen: 39.796 ng
RT: 9.90 min Scan# 1329
Delta R.T. 0.00 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.0	91.2	136.8
152	54.7	43.8	65.8



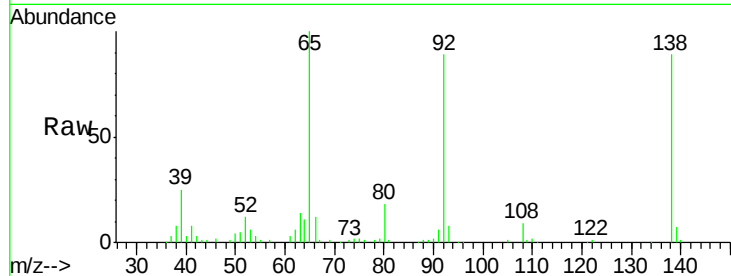


#52
3-Nitroaniline
Concen: 36.554 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.01 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

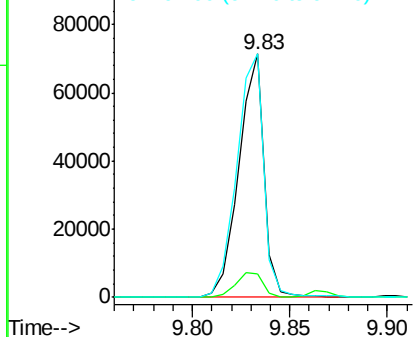
Instrument :
BNA_F
ClientSampleId :
SB-1(13-15)MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	9.8	9.4	14.0
92	100.1	89.4	134.2

Manual Integrations
APPROVED

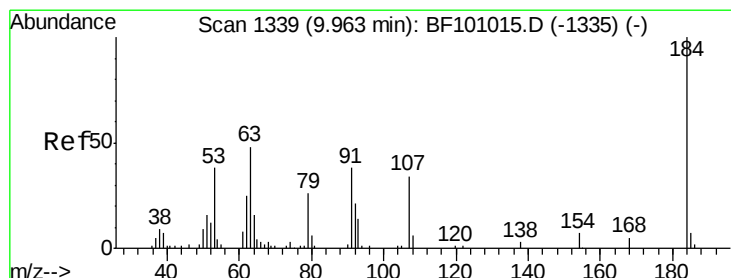
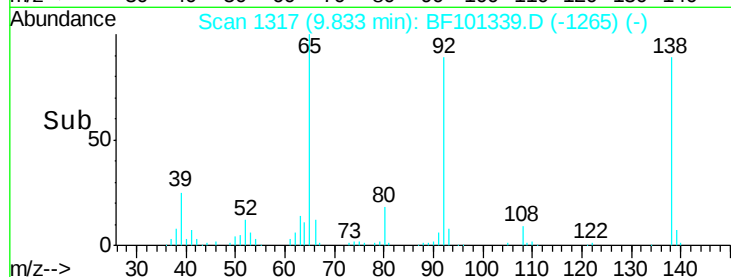


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1



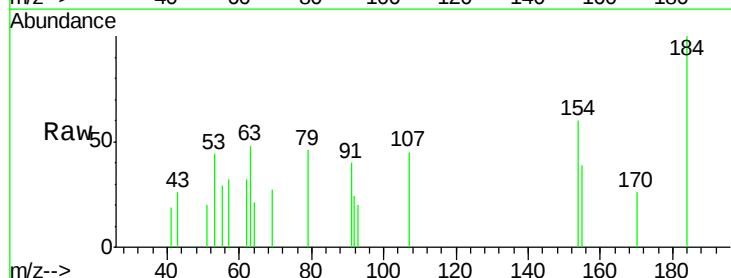
Sohil

12/13/2017 12:07:45 PM

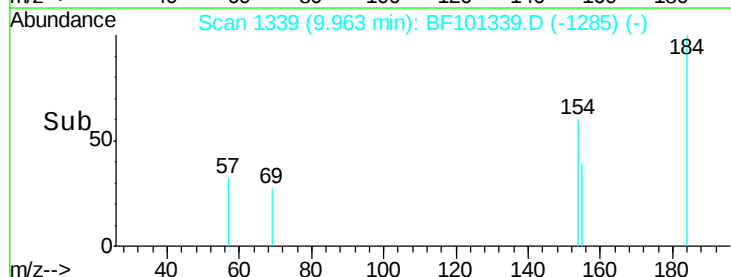
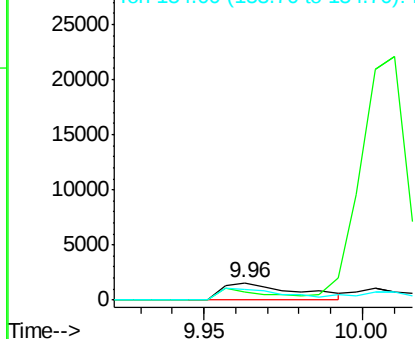


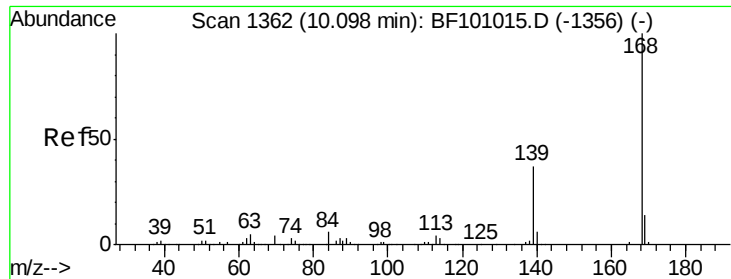
#53
2,4-Dinitrophenol
Concen: 7.837 ng
RT: 9.96 min Scan# 1339
Delta R.T. 0.02 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Tgt Ion	Ratio	Lower	Upper
184	100		
63	48.5	54.2	81.2#
154	59.8	184.0	276.0#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E



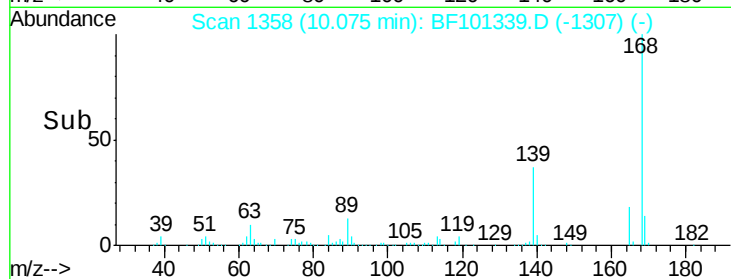
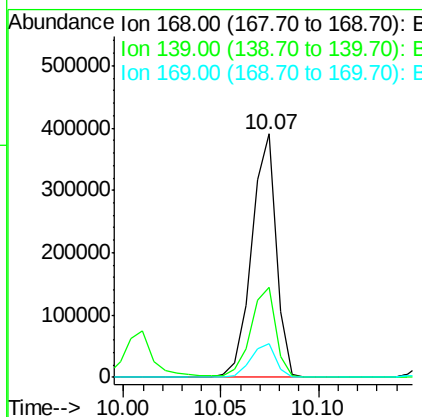
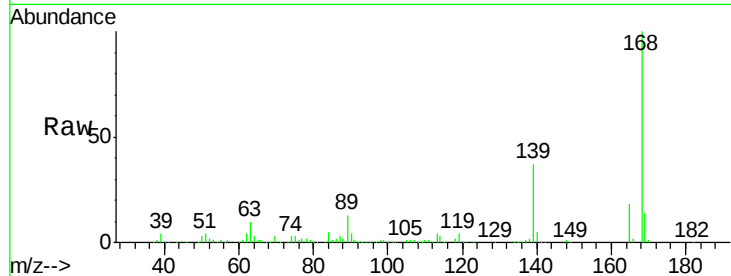


#54
Dibenzenofuran
Concen: 40.635 ng
RT: 10.07 min Scan# 1358
Delta R.T. 0.00 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Instrument :
BNA_F
ClientSampleId :
SB-1(13-15)MSD

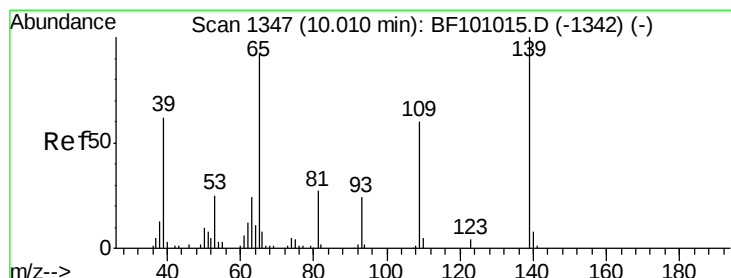
Tot Ion	Ratio	Lower	Upper
168	100		
139	36.8	30.1	45.1
169	14.0	10.9	16.3

Manual Integrations
APPROVED



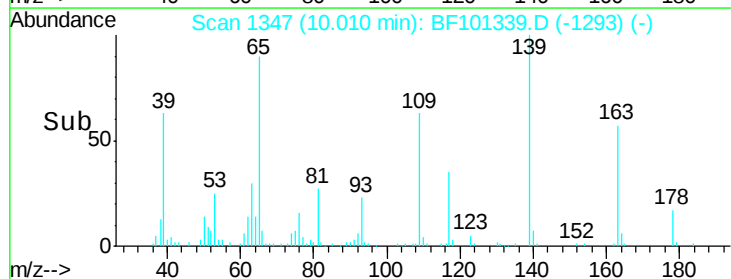
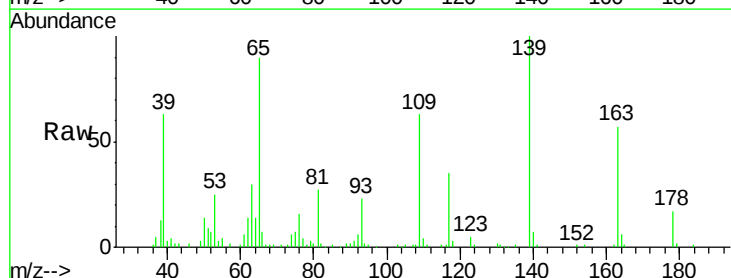
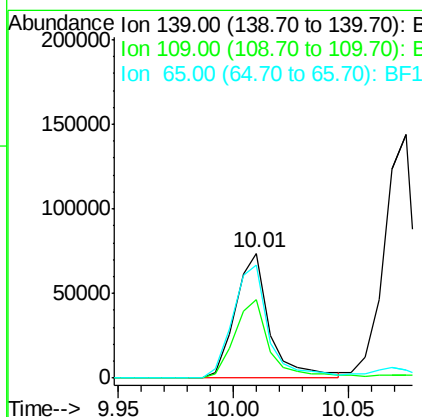
Sohil

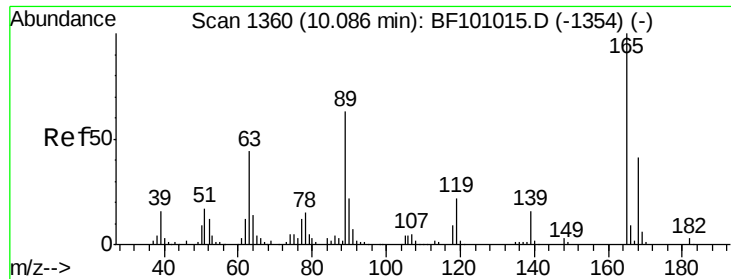
12/13/2017 12:07:45 PM



#55
4-Nitrophenol
Concen: 65.607 ng
RT: 10.01 min Scan# 1347
Delta R.T. 0.02 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Tgt Ion	Ratio	Lower	Upper
139	100		
109	62.9	48.4	88.4
65	90.3	72.6	112.6



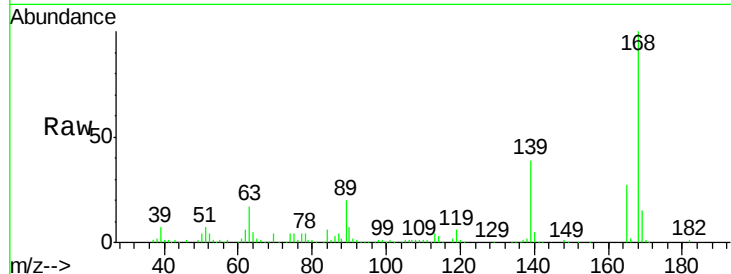


#56
2,4-Dinitrotoluene
Concen: 37.258 ng
RT: 10.07 min Scan# 1357
Delta R.T. 0.01 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Instrument :
BNA_F
ClientSampleId :
SB-1(13-15)MSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	62.4	36.4	54.6#
89	74.3	57.8	86.6
182	2.7	1.6	2.4#

Manual Integrations
APPROVED

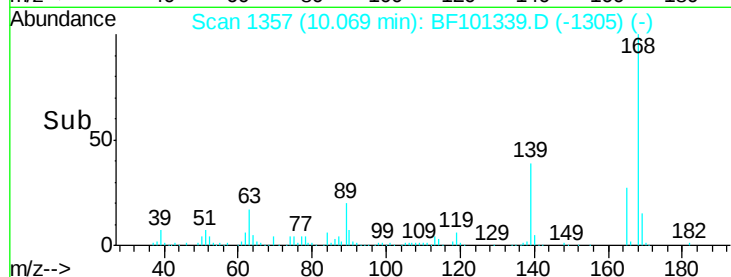
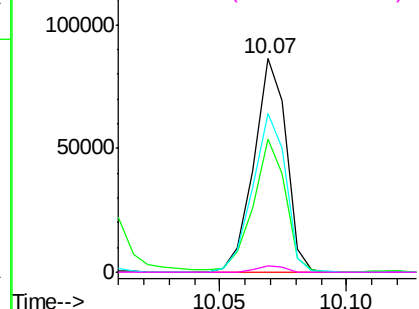


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

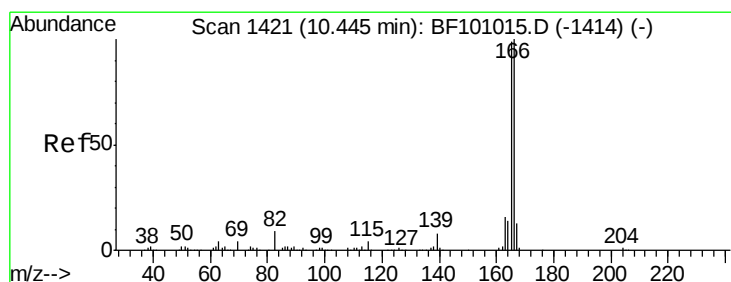
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



Sohil

12/13/2017 12:07:45 PM



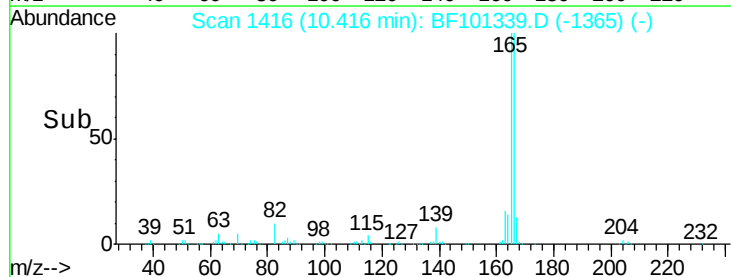
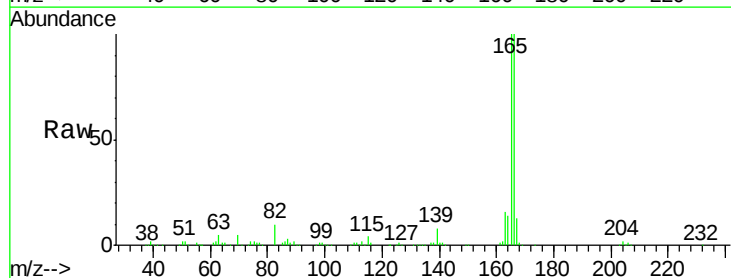
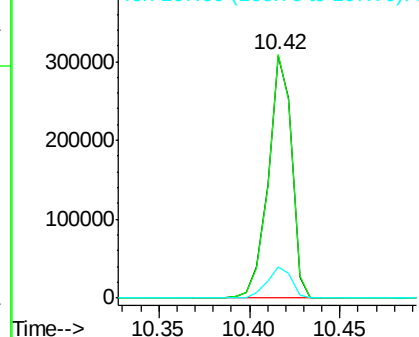
#57
Fluorene
Concen: 40.584 ng
RT: 10.42 min Scan# 1416
Delta R.T. 0.00 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

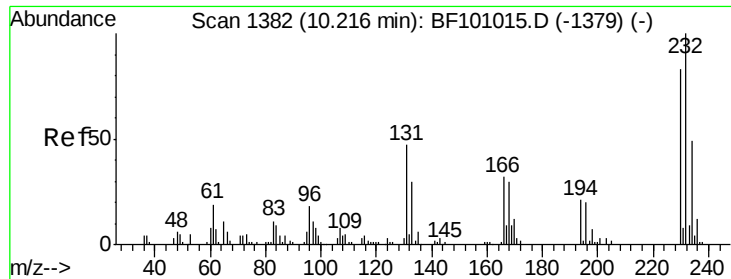
Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.4	79.8	119.8
167	13.1	10.6	16.0

Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



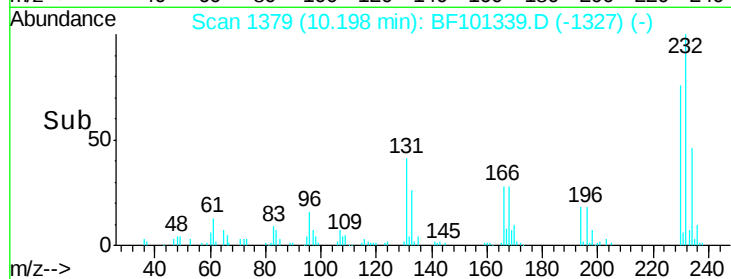
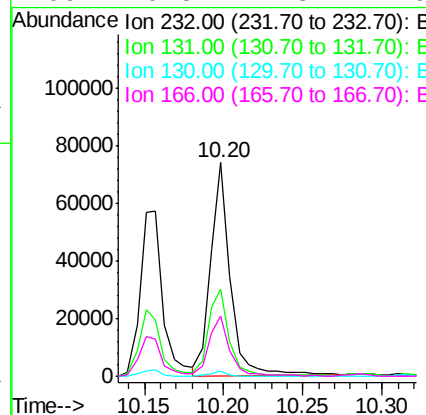
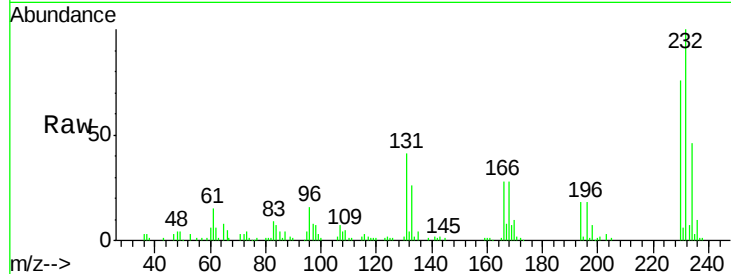


#58
 2,3,4,6-Tetrachlorophenol
 Concen: 39.021 ng
 RT: 10.20 min Scan# 1379
 Delta R.T. 0.01 min
 Lab File: BF101339.D
 Acq: 12 Dec 2017 19:32

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(13-15)MSD

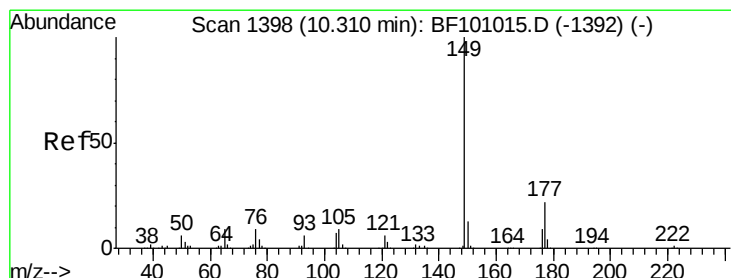
Tot Ion	Ratio	Lower	Upper
232	100		
131	43.9	43.8	65.8
130	1.9	2.1	3.1#
166	29.8	27.8	41.6

Manual Integrations
 APPROVED



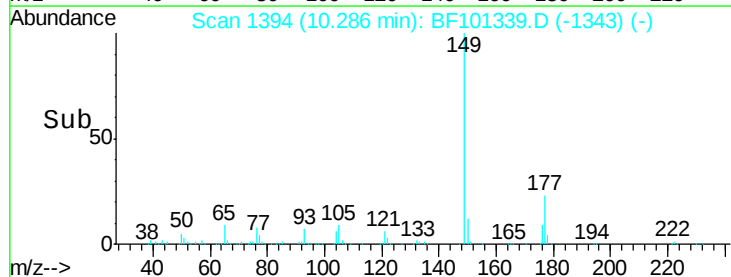
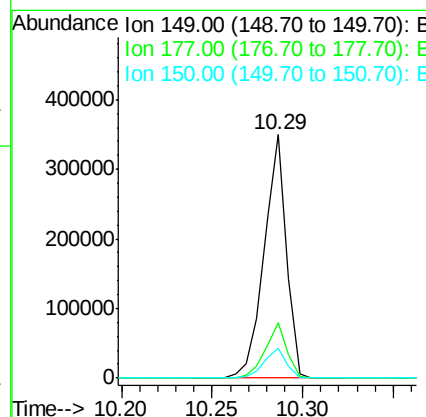
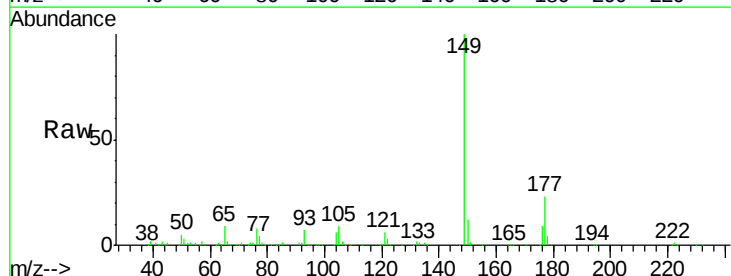
Sohil

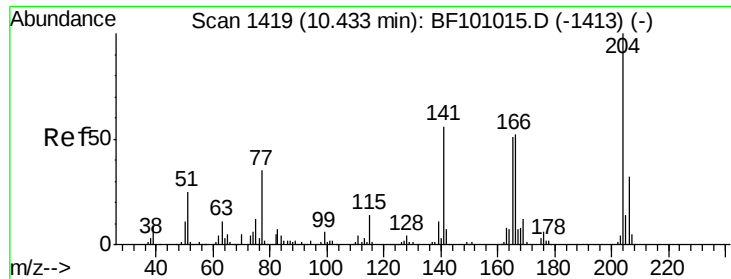
12/13/2017 12:07:45 PM



#59
 Diethylphthalate
 Concen: 41.337 ng
 RT: 10.29 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: BF101339.D
 Acq: 12 Dec 2017 19:32

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.9	16.1	24.1
150	12.2	10.1	15.1



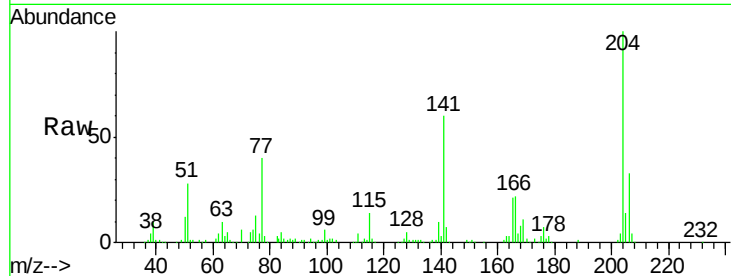


#60
4-Chlorophenyl-phenylether
Concen: 40.418 ng
RT: 10.40 min Scan# 1414
Delta R.T. 0.00 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

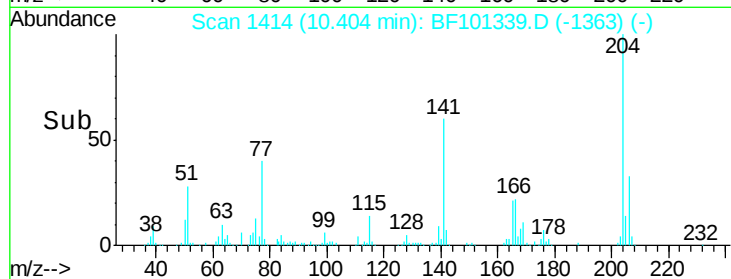
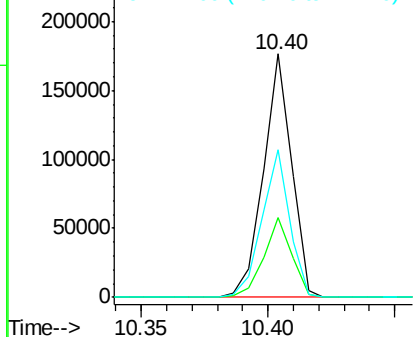
Instrument :
BNA_F
ClientSampleId :
SB-1(13-15)MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.5	39.7
141	60.5	54.6	81.8

Manual Integrations
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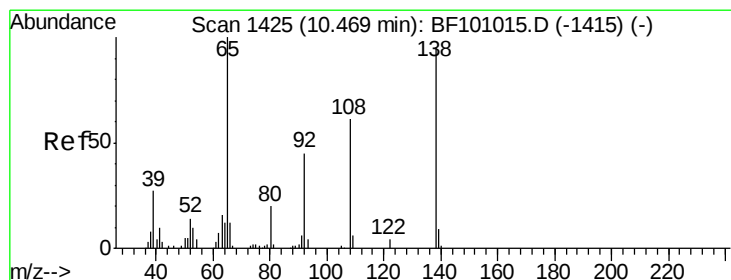


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E



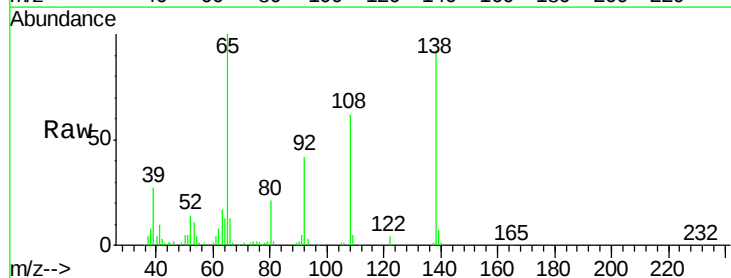
Sohil

12/13/2017 12:07:45 PM

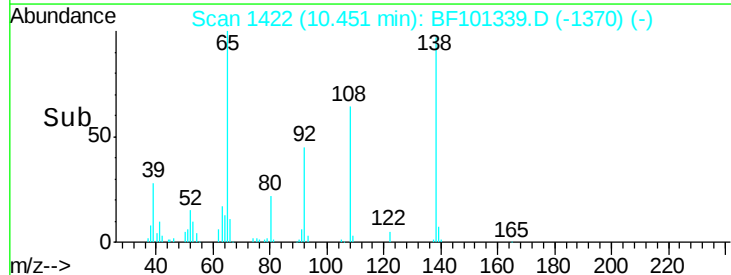
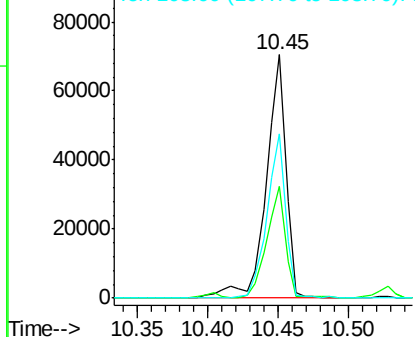


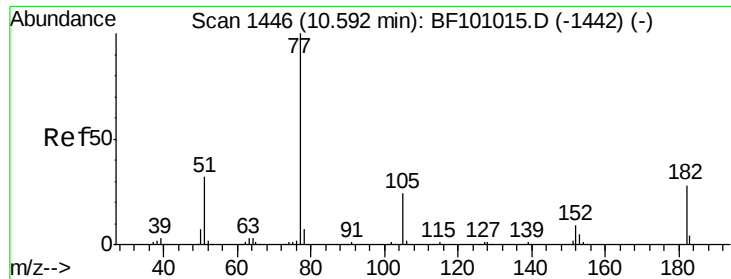
#61
4-Nitroaniline
Concen: 38.859 ng
RT: 10.45 min Scan# 1422
Delta R.T. 0.01 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Tgt Ion	Ratio	Lower	Upper
138	100		
92	46.1	30.2	70.2
108	67.6	52.5	92.5



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF1
Ion 108.00 (107.70 to 108.70): E





#62

Azobenzene

Concen: 40.671 ng

RT: 10.57 min Scan# 1442

Delta R.T. 0.00 min

Lab File: BF101339.D

Acq: 12 Dec 2017 19:32

Instrument :

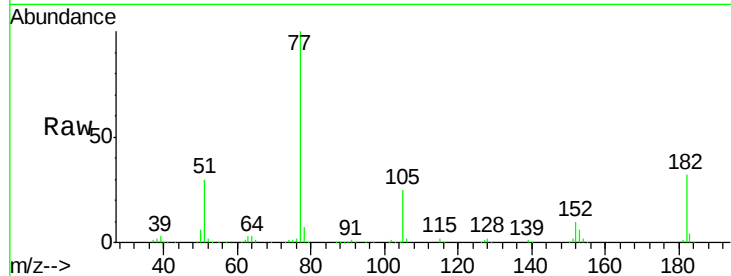
BNA_F

ClientSampleId :

SB-1(13-15)MSD

Tot Ion:	77	Resp:	249420
Ion	Ratio	Lower	Upper
77	100		
182	32.5	1.7	41.7
105	24.8	3.0	43.0
51	30.3	9.9	49.9

Manual Integrations
APPROVED

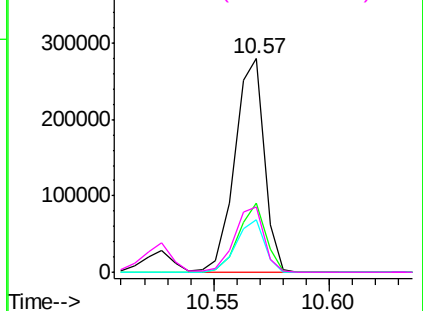


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

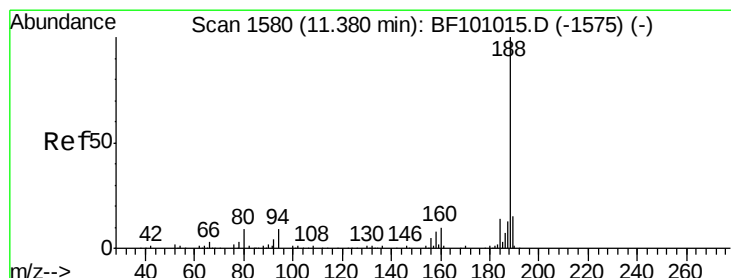
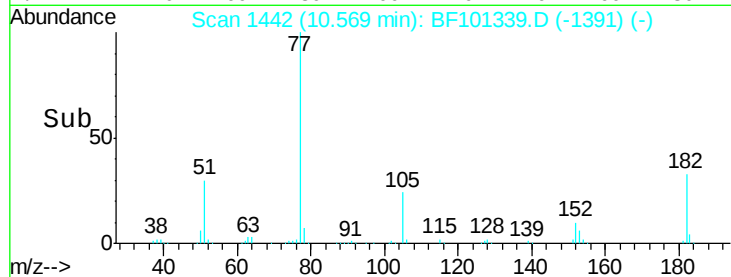
Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



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12/13/2017 12:07:45 PM



#63

Phenanthrene-d10

Concen: 20.000 ng

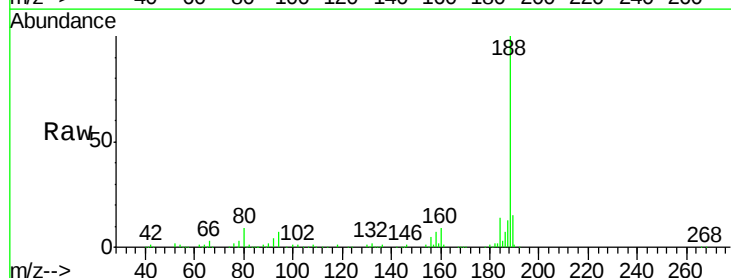
RT: 11.36 min Scan# 1576

Delta R.T. 0.00 min

Lab File: BF101339.D

Acq: 12 Dec 2017 19:32

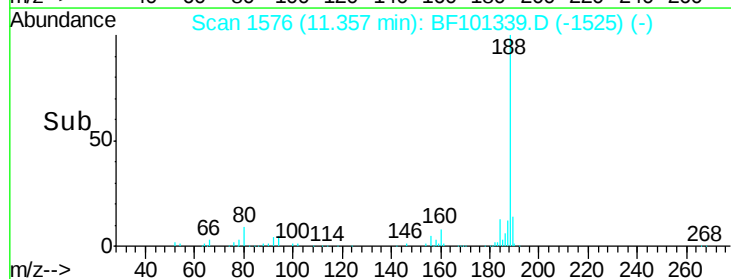
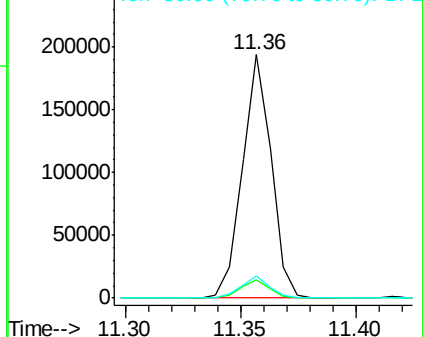
Tgt Ion:	188	Resp:	169228
Ion	Ratio	Lower	Upper
188	100		
94	7.4	8.5	12.7#
80	8.9	9.2	13.8#

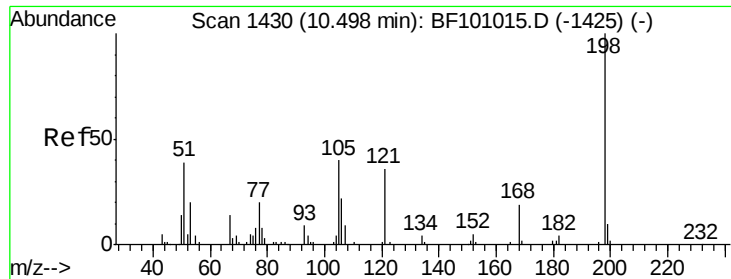


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#64

4,6-Dinitro-2-methylphenol

Concen: 11.585 ng

RT: 10.49 min Scan# 1428

Delta R.T. 0.01 min

Lab File: BF101339.D

Acq: 12 Dec 2017 19:32

Instrument :

BNA_F

ClientSampleId :

SB-1(13-15)MSD

Tot Ion:198 Resp: 13150

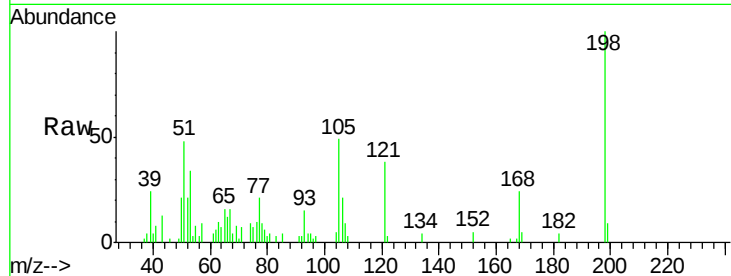
Ion Ratio Lower Upper

198 100

51 47.9 37.7 77.7

105 48.9 36.3 76.3

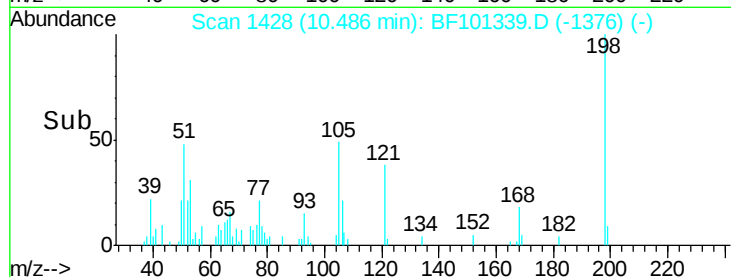
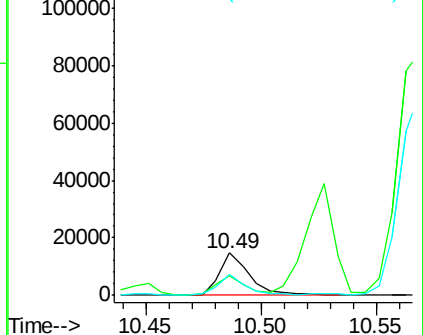
Manual Integrations
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Abundance Ion 198.00 (197.70 to 198.70): E

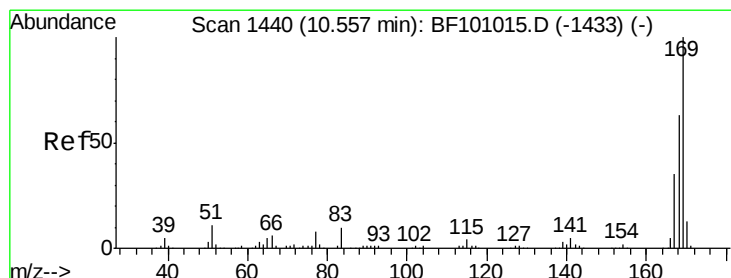
Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



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12/13/2017 12:07:45 PM



#65

n-Nitrosodiphenylamine

Concen: 43.961 ng

RT: 10.53 min Scan# 1435

Delta R.T. 0.00 min

Lab File: BF101339.D

Acq: 12 Dec 2017 19:32

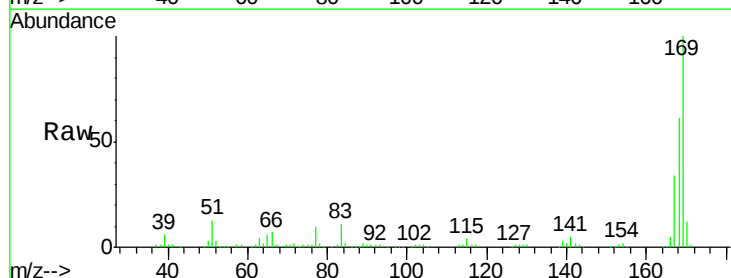
Tgt Ion:169 Resp: 262456

Ion Ratio Lower Upper

169 100

168 61.4 54.4 81.6

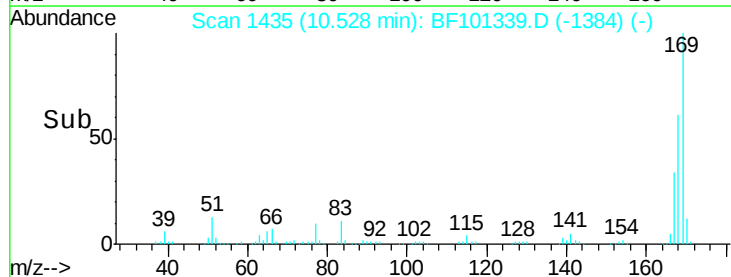
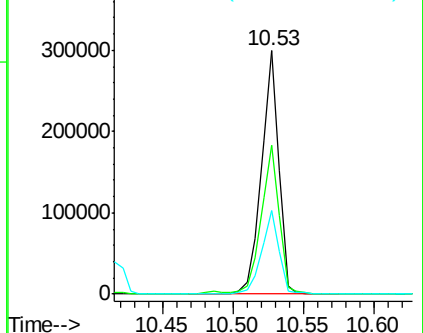
167 34.3 29.8 44.6

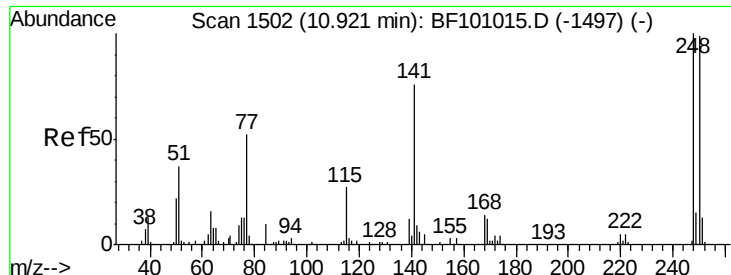


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



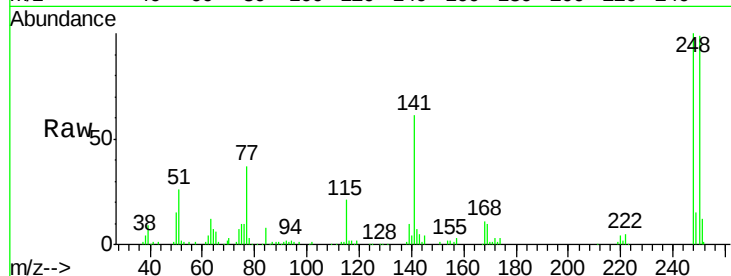


#66
4-Bromophenyl-phenylether
Concen: 44.220 ng
RT: 10.90 min Scan# 1498
Delta R.T. 0.00 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

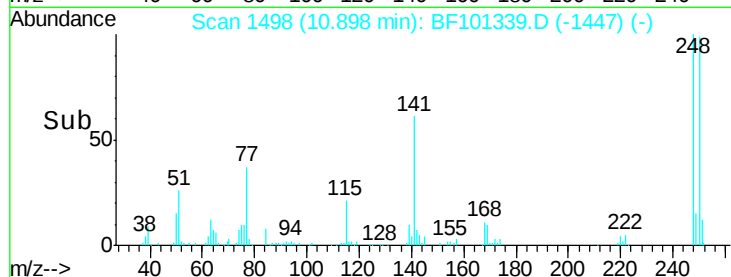
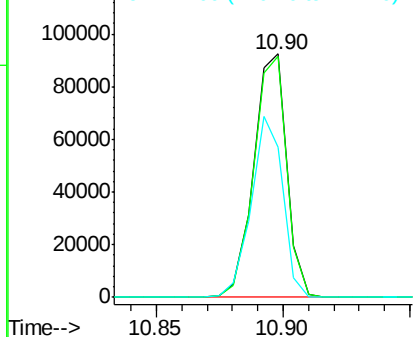
Instrument :
BNA_F
ClientSampleId :
SB-1(13-15)MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	99.2	76.9	115.3
141	61.4	74.4	111.6

Manual Integrations
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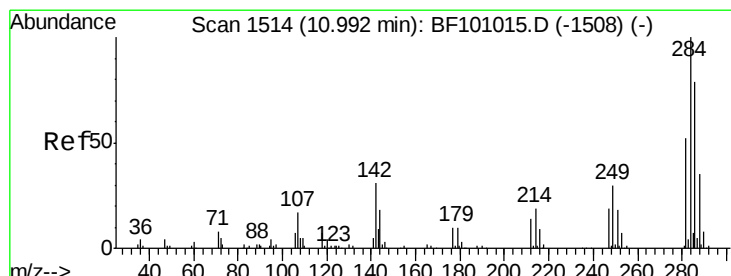


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E



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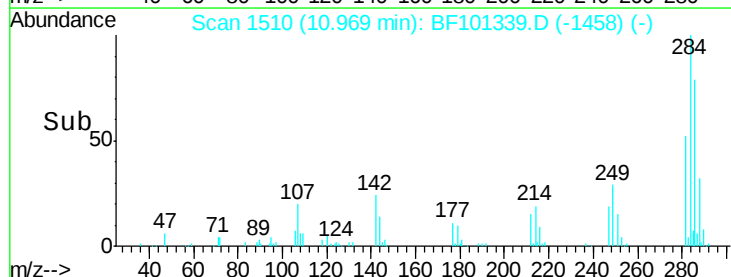
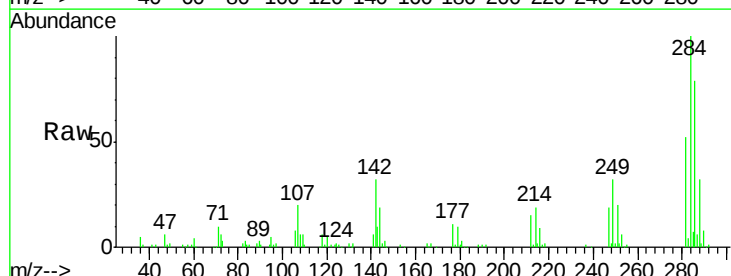
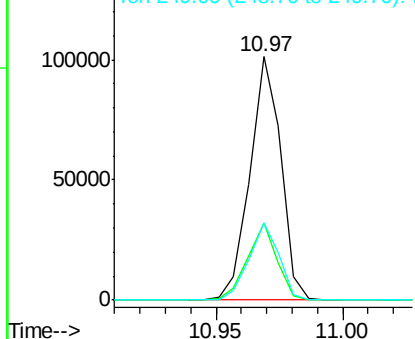
12/13/2017 12:07:45 PM

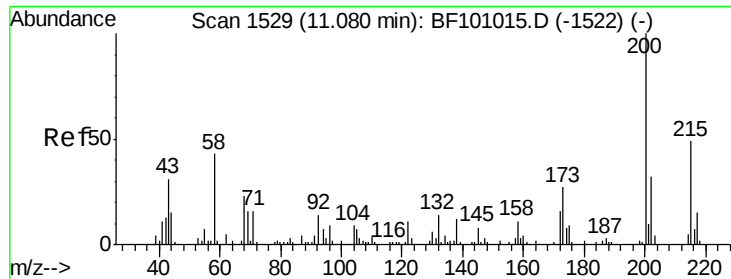


#67
Hexachlorobenzene
Concen: 42.228 ng
RT: 10.97 min Scan# 1510
Delta R.T. 0.01 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Tgt Ion	Ratio	Lower	Upper
284	100		
142	31.7	34.6	52.0
249	31.5	24.8	37.2

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



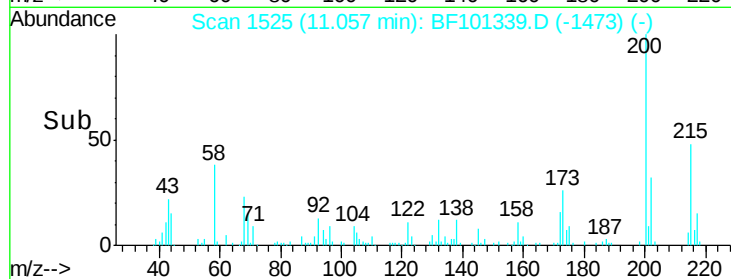
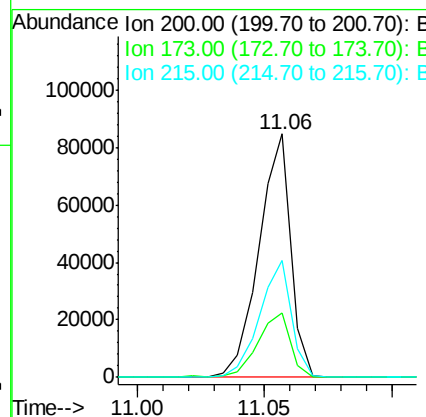
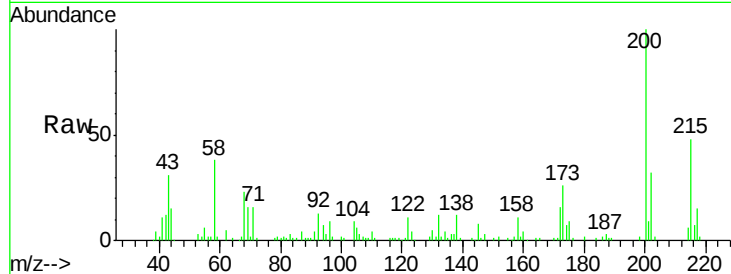


#68
Atrazine
Concen: 40.185 ng
RT: 11.06 min Scan# 1525
Delta R.T. 0.01 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Instrument :
BNA_F
ClientSampleId :
SB-1(13-15)MSD

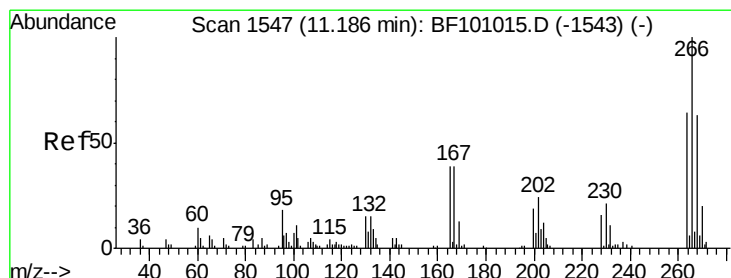
Tot Ion	Ratio	Lower	Upper
200	100		
173	26.3	8.6	48.6
215	48.1	25.1	65.1

Manual Integrations
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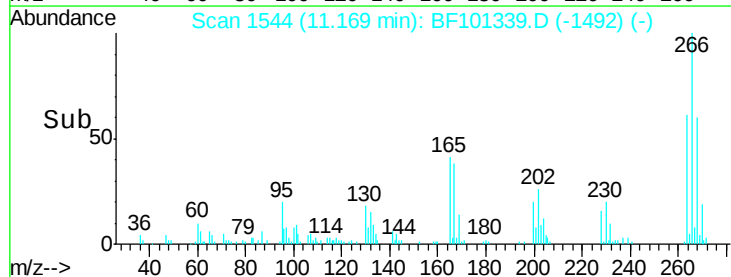
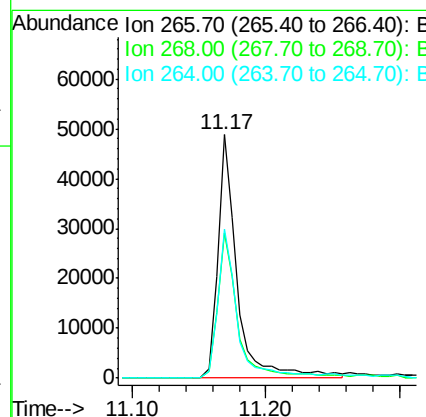
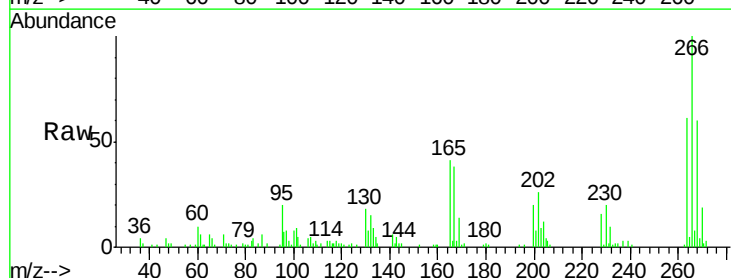
Sohil

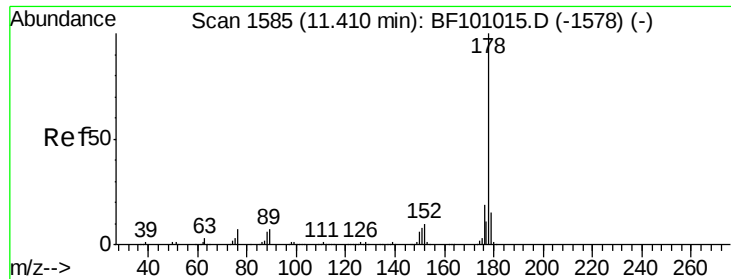
12/13/2017 12:07:45 PM



#69
Pentachlorophenol
Concen: 44.804 ng
RT: 11.17 min Scan# 1544
Delta R.T. 0.01 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Tgt Ion	Ratio	Lower	Upper
266	100		
268	59.6	51.1	76.7
264	61.0	49.5	74.3



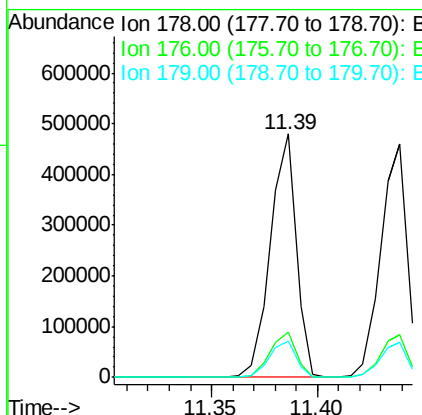
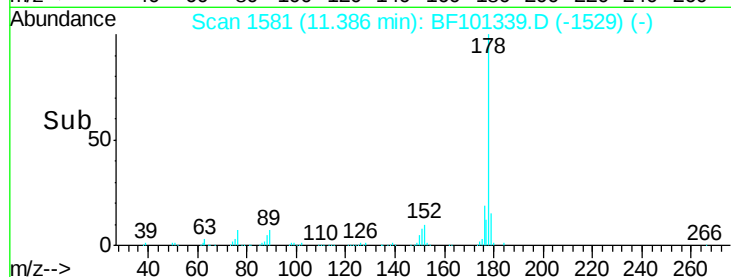
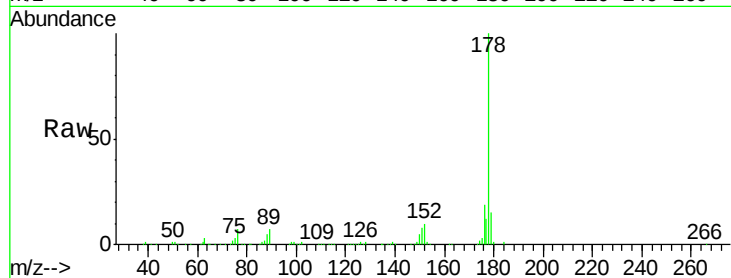


#70
Phenanthrene
Concen: 44.172 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.01 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Instrument :
BNA_F
ClientSampleId :
SB-1(13-15)MSD

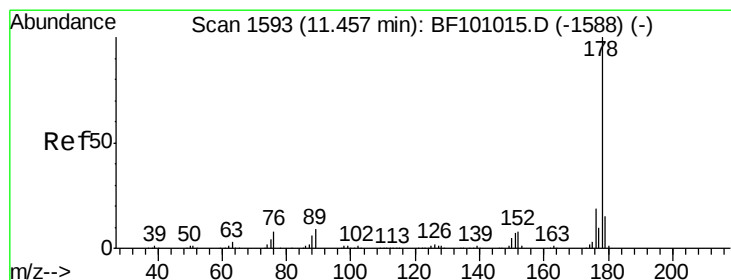
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.8
179	14.9	13.0	19.6

Manual Integrations
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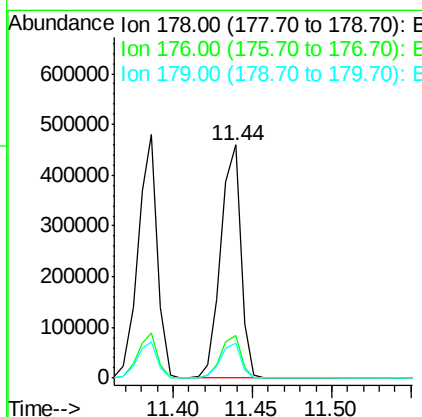
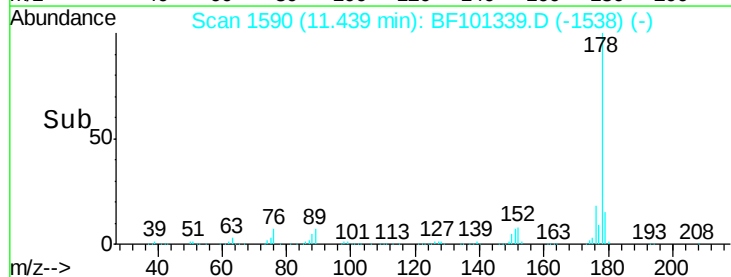
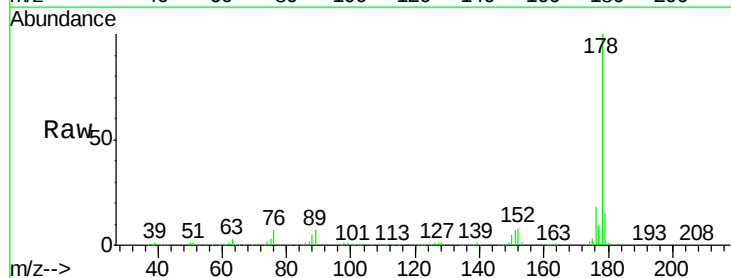
Sohil

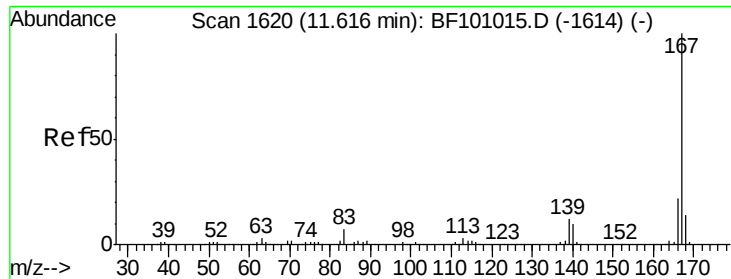
12/13/2017 12:07:45 PM



#71
Anthracene
Concen: 42.859 ng
RT: 11.44 min Scan# 1590
Delta R.T. 0.01 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	14.9	12.6	19.0



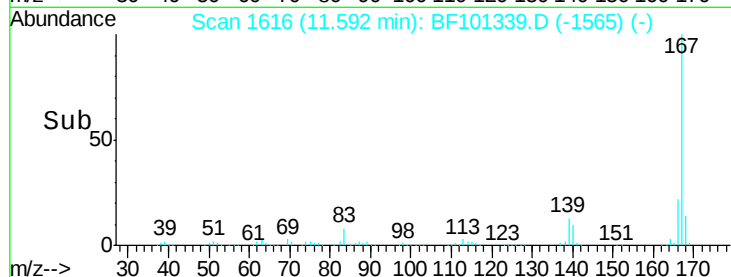
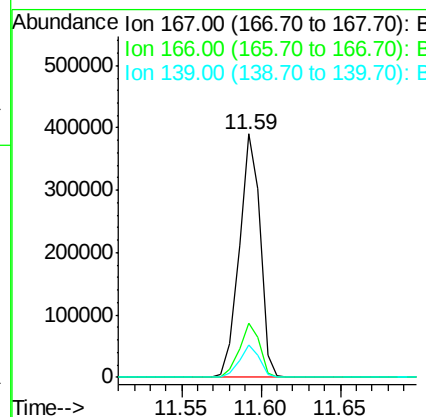
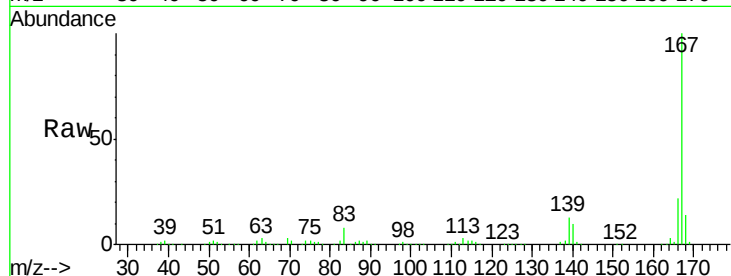


#72
 Carbazole
 Concen: 41.262 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. 0.00 min
 Lab File: BF101339.D
 Acq: 12 Dec 2017 19:32

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(13-15)MSD

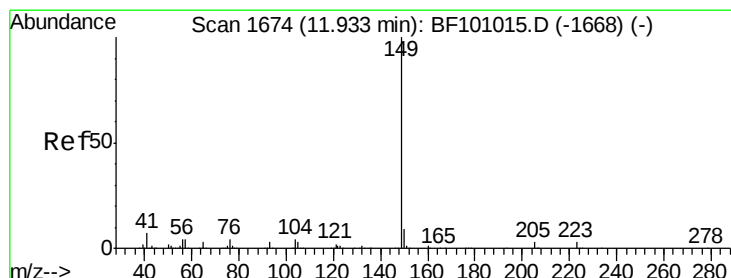
Tot Ion:	167	Resp:	355584
Ion Ratio	Lower	Upper	
167	100		
166	22.2	17.6	26.4
139	13.2	10.9	16.3

Manual Integrations
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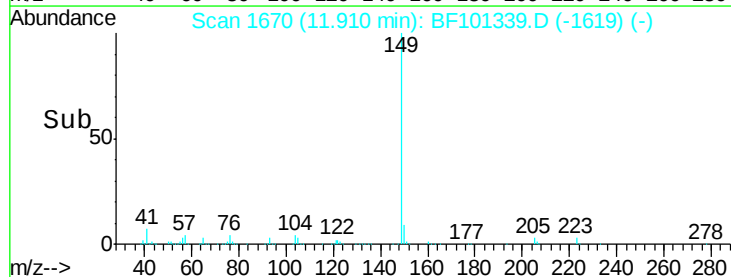
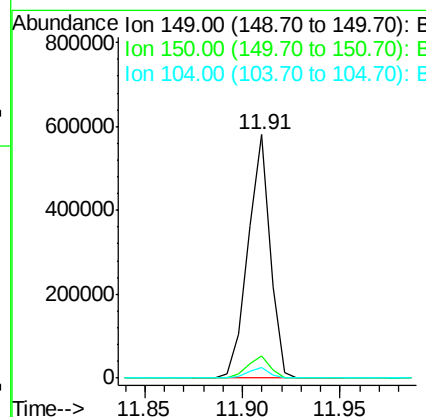
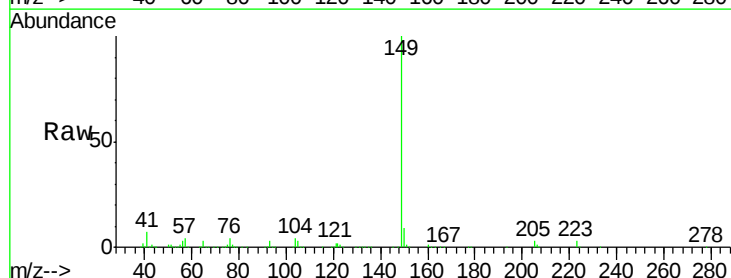
Sohil

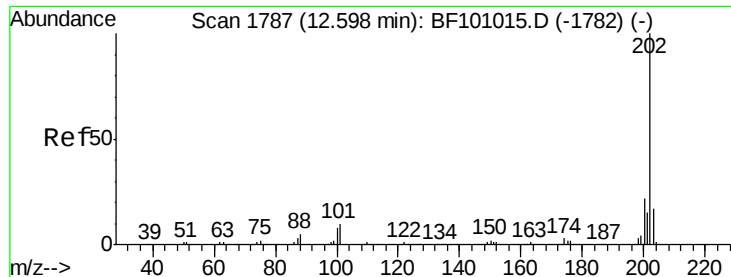
12/13/2017 12:07:45 PM



#73
 Di-n-butylphthalate
 Concen: 42.153 ng
 RT: 11.91 min Scan# 1670
 Delta R.T. 0.00 min
 Lab File: BF101339.D
 Acq: 12 Dec 2017 19:32

Tgt Ion:	149	Resp:	455313
Ion Ratio	Lower	Upper	
149	100		
150	8.9	7.8	11.6
104	4.3	3.8	5.8





#74

Fluoranthene

Concen: 42.718 ng

RT: 12.58 min Scan# 1784

Delta R.T. 0.01 min

Lab File: BF101339.D

Acq: 12 Dec 2017 19:32

Instrument :

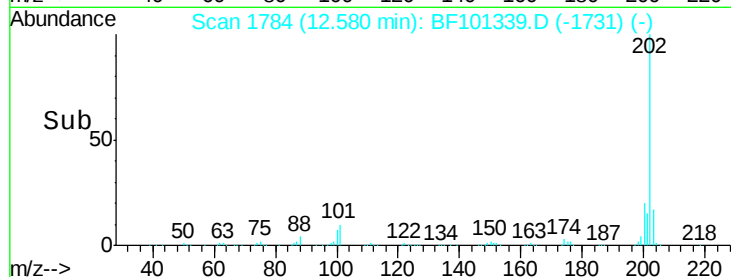
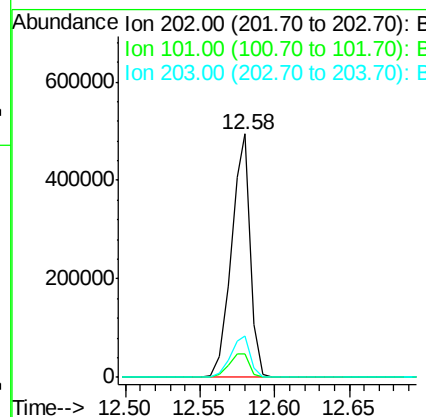
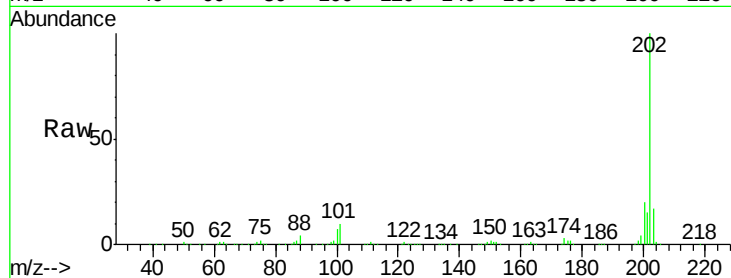
BNA_F

ClientSampleId :

SB-1(13-15)MSD

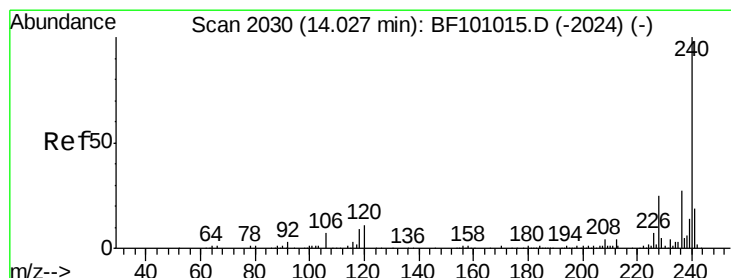
Tot Ion	Ratio	Resp	Lower	Upper
202	100	441295		
101	9.5	0.0	34.1	
203	16.7	0.0	38.1	

Manual Integrations
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Sohil

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#75

Chrysene-d12

Concen: 20.000 ng

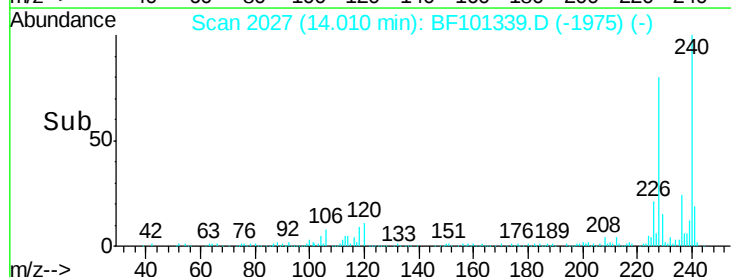
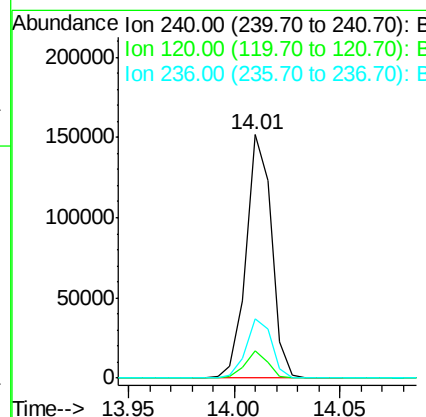
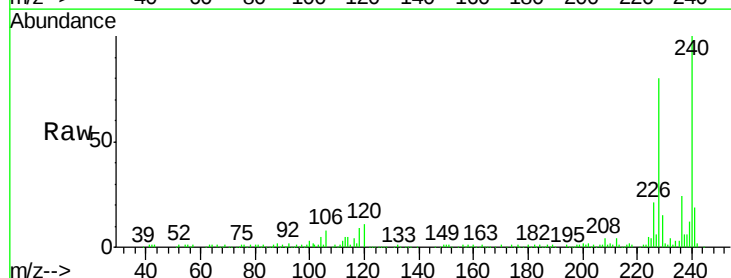
RT: 14.01 min Scan# 2027

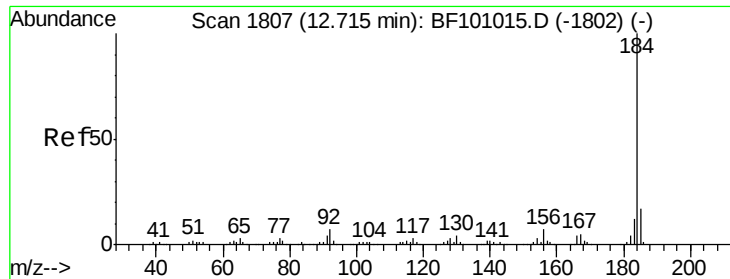
Delta R.T. 0.01 min

Lab File: BF101339.D

Acq: 12 Dec 2017 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	126129		
120	11.4	9.5	14.3	
236	24.5	20.7	31.1	



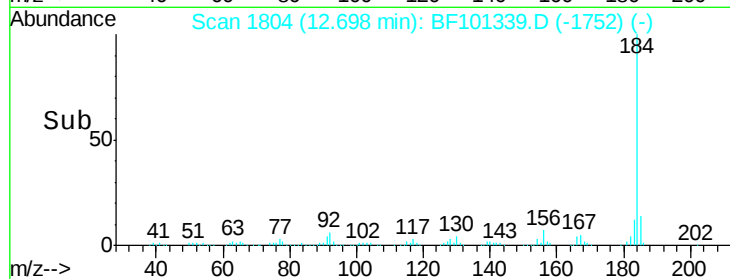
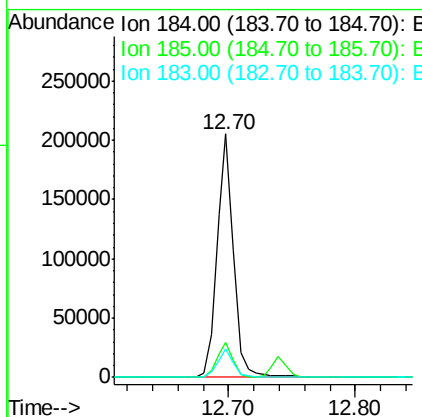
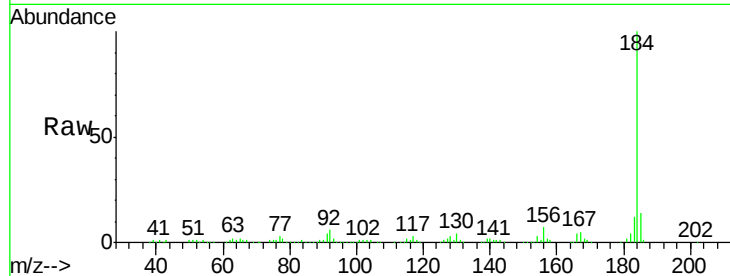


#76
Benzidine
Concen: 45.698 ng
RT: 12.70 min Scan# 1804
Delta R.T. 0.01 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Instrument :
BNA_F
ClientSampleId :
SB-1(13-15)MSD

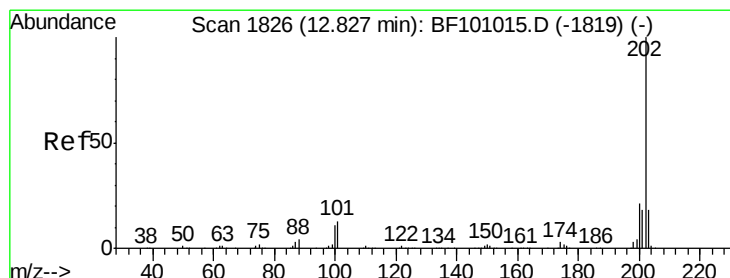
Tot Ion	Ratio	Lower	Upper
184	100		
185	14.4	12.6	18.8
183	11.7	9.3	13.9

Manual Integrations
APPROVED



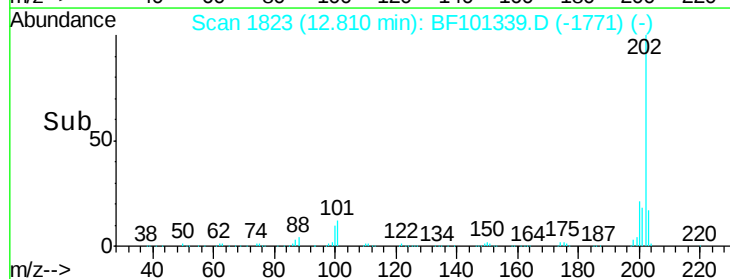
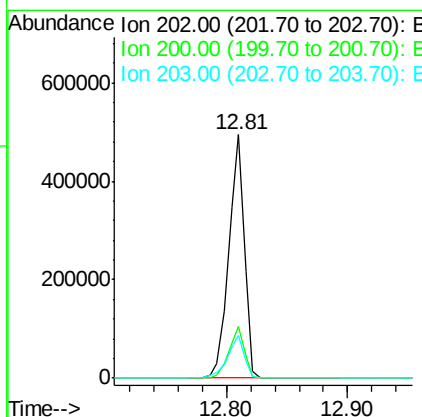
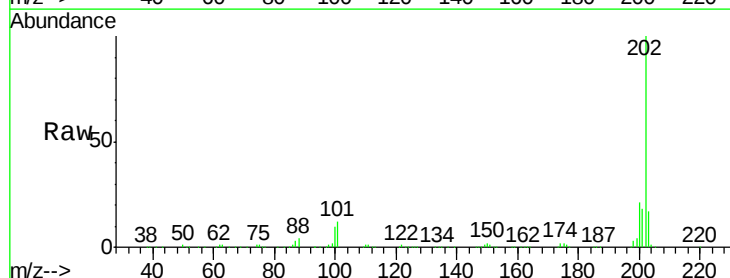
Sohil

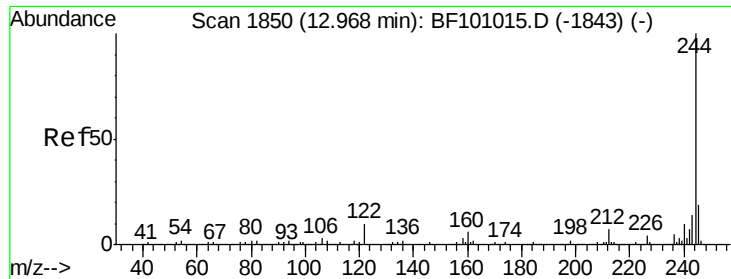
12/13/2017 12:07:45 PM



#77
Pyrene
Concen: 50.614 ng
RT: 12.81 min Scan# 1823
Delta R.T. 0.01 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	17.5	14.3	21.5



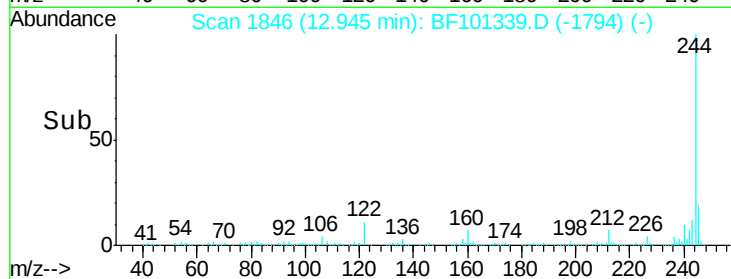
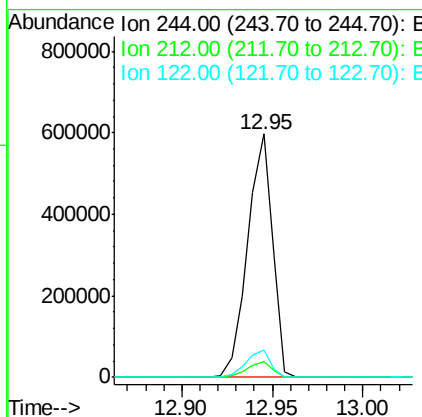
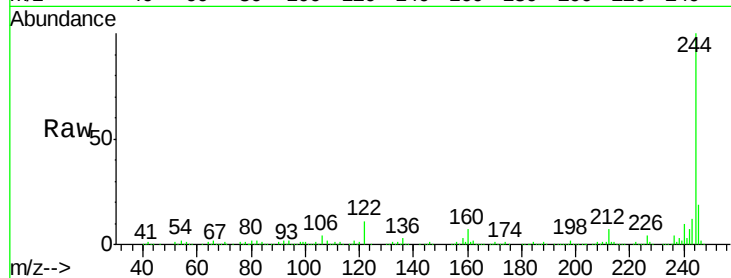


#78
 Terphenyl-d14
 Concen: 98.643 ng
 RT: 12.95 min Scan# 1846
 Delta R.T. 0.01 min
 Lab File: BF101339.D
 Acq: 12 Dec 2017 19:32

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(13-15)MSD

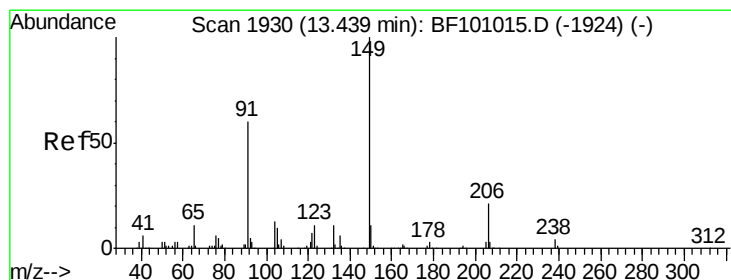
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.2	11.0	16.4

Manual Integrations
 APPROVED



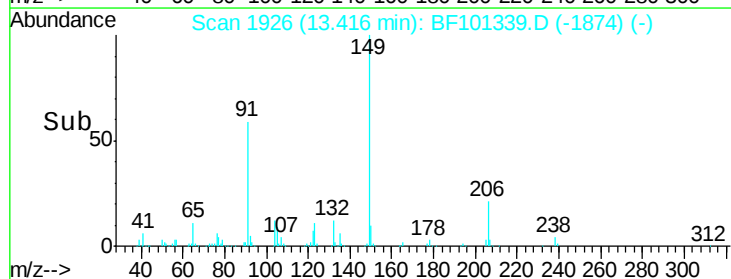
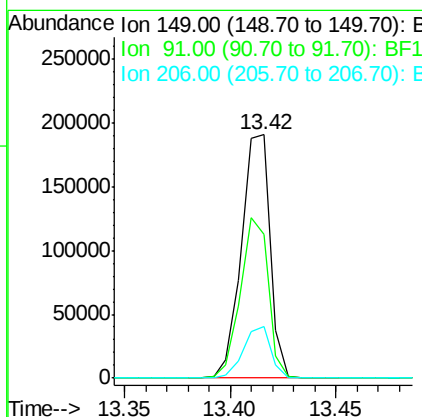
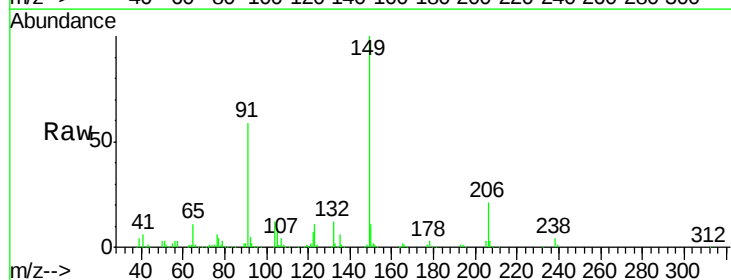
Sohil

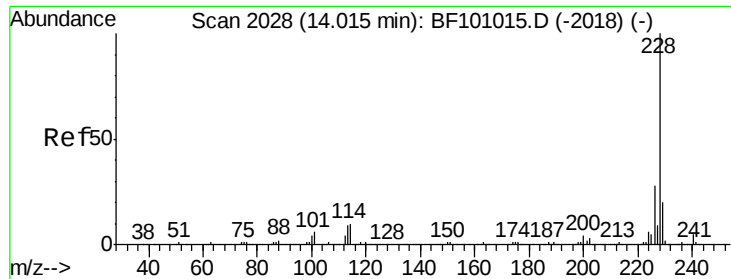
12/13/2017 12:07:45 PM



#79
 Butylbenzylphthalate
 Concen: 46.900 ng
 RT: 13.42 min Scan# 1926
 Delta R.T. 0.01 min
 Lab File: BF101339.D
 Acq: 12 Dec 2017 19:32

Tgt Ion	Ratio	Lower	Upper
149	100		
91	58.8	56.8	85.2
206	21.5	14.1	21.1#



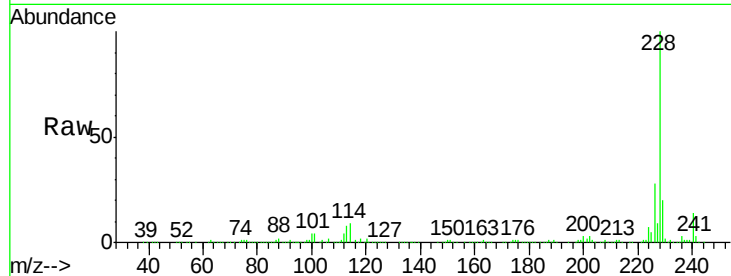


#80
Benzo(a)anthracene
Concen: 44.042 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

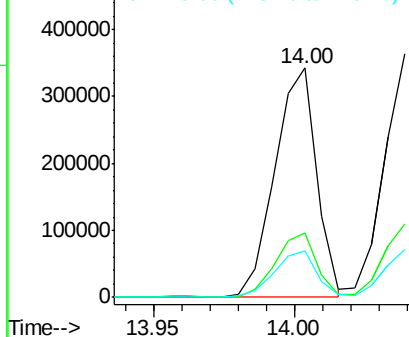
Instrument :
BNA_F
ClientSampleId :
SB-1(13-15)MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.6	33.8
229	20.3	15.8	23.6

Manual Integrations
APPROVED

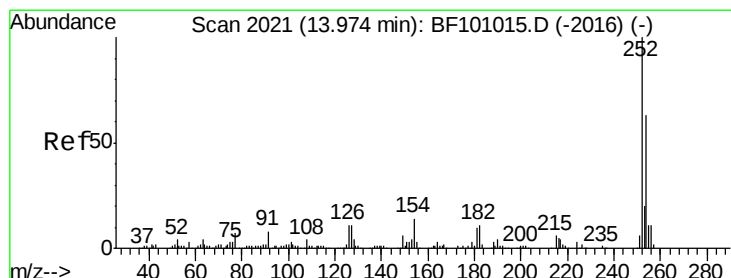
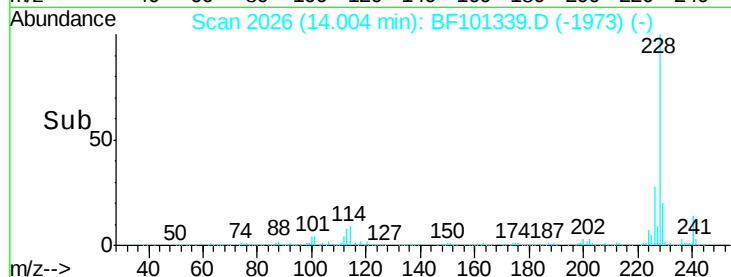


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



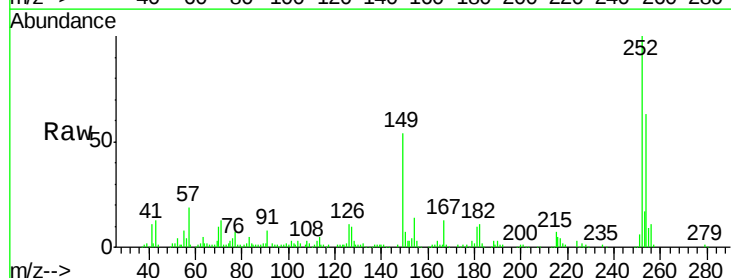
Sohil

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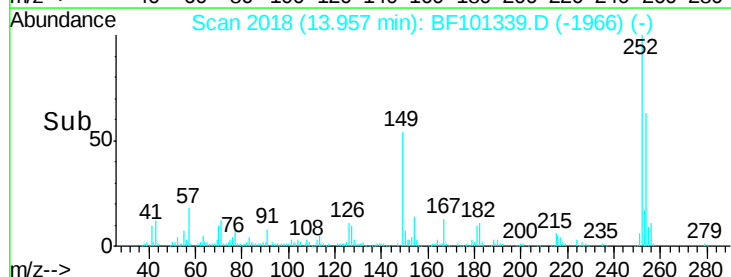
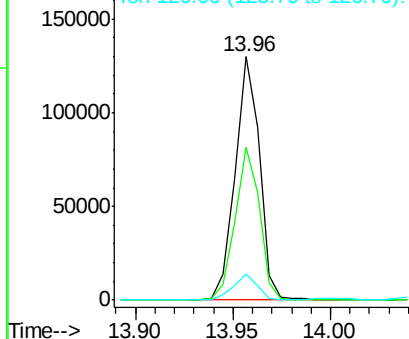


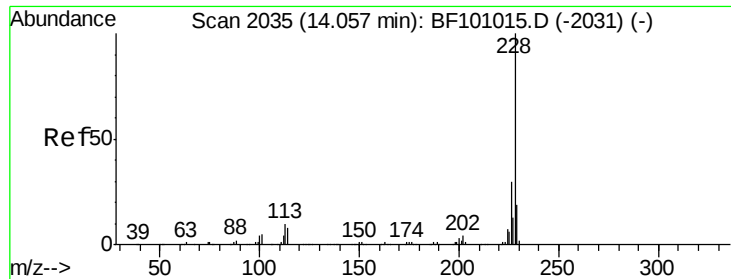
#81
3,3'-Dichlorobenzidine
Concen: 40.717 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.01 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Tgt Ion	Ratio	Lower	Upper
252	100		
254	62.9	50.4	75.6
126	10.9	11.3	16.9#



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



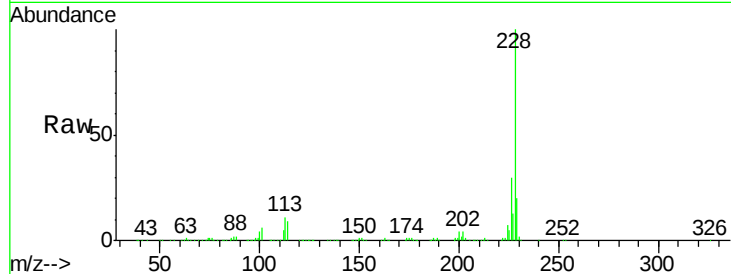


#82
Chrysene
Concen: 43.342 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.01 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

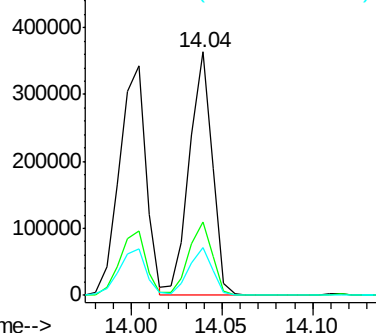
Instrument :
BNA_F
ClientSampleId :
SB-1(13-15)MSD

Tot Ion:	228	Resp:	320556
Ion Ratio	Lower	Upper	
228	100		
226	30.2	25.0	37.6
229	19.8	16.2	24.4

Manual Integrations
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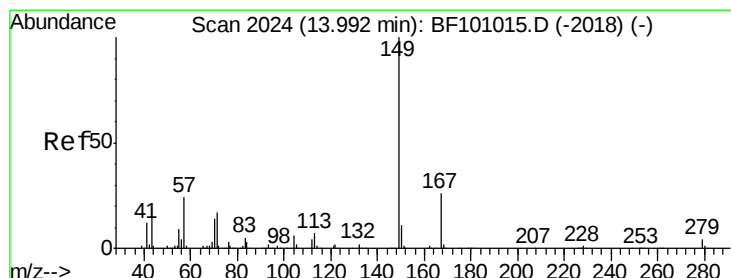
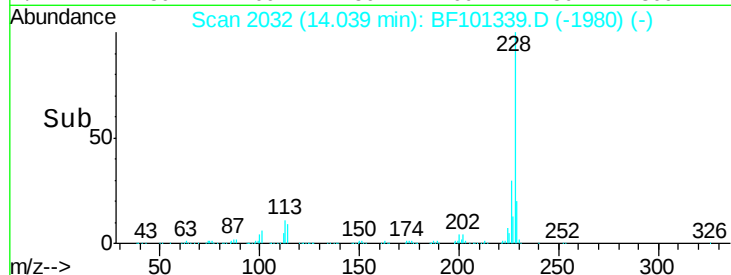


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



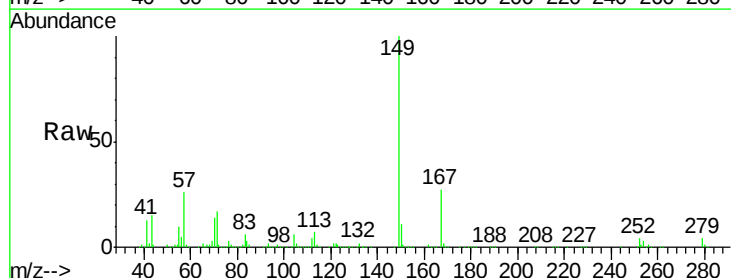
Sohil

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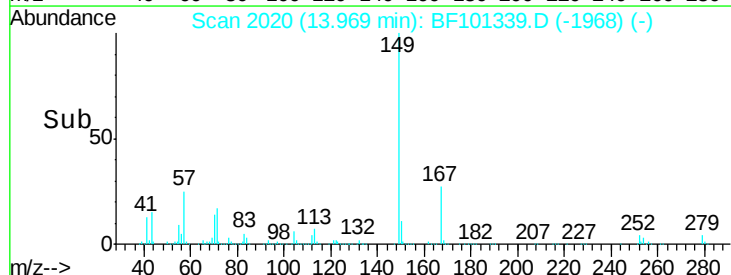
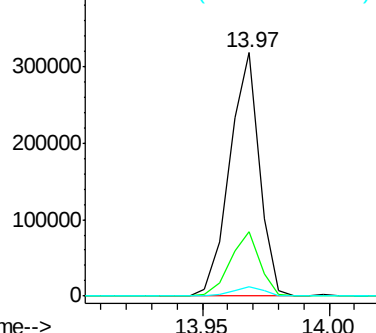


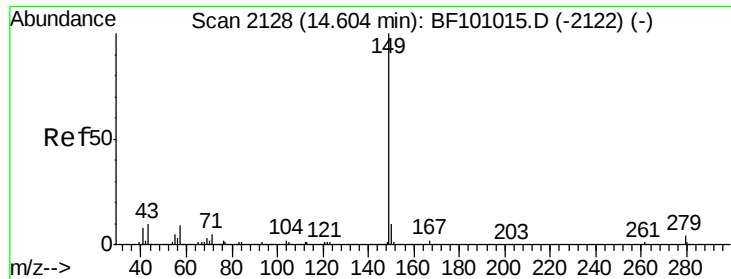
#83
Bis(2-ethylhexyl)phthalate
Concen: 47.754 ng
RT: 13.97 min Scan# 2020
Delta R.T. 0.01 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Tgt Ion:	149	Resp:	261273
Ion Ratio	Lower	Upper	
149	100		
167	26.6	21.3	31.9
279	4.1	3.0	4.4



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



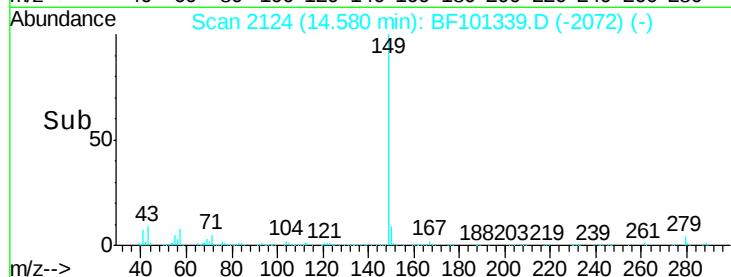
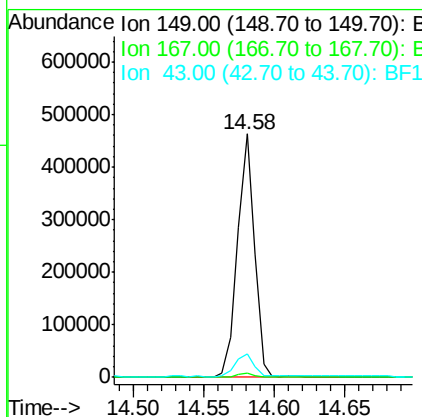
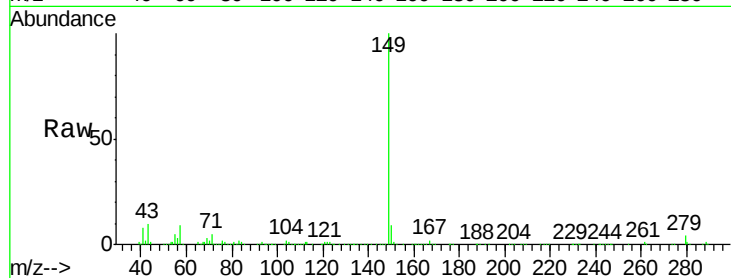


#84
Di-n-octyl phthalate
Concen: 42.677 ng
RT: 14.58 min Scan# 2124
Delta R.T. 0.01 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Instrument :
BNA_F
ClientSampleId :
SB-1(13-15)MSD

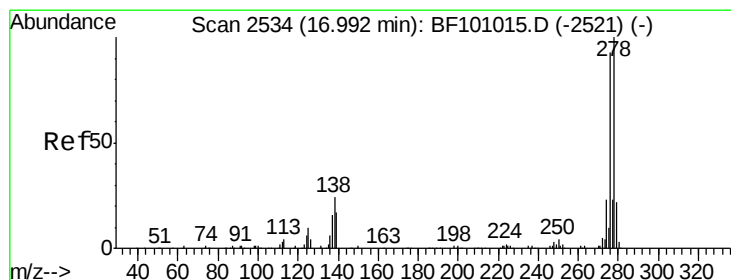
Tot Ion	Ratio	Resp Lower	Upper
149	100		
167	1.7	1.2	1.8
43	10.2	8.4	12.6

Manual Integrations
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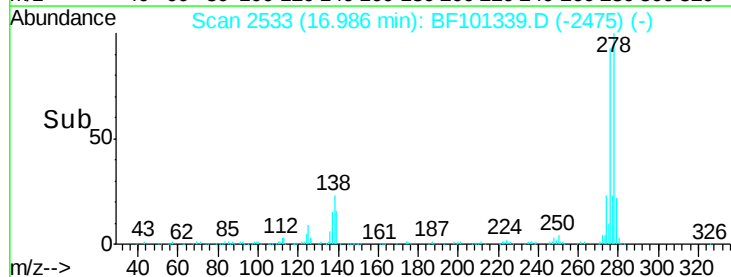
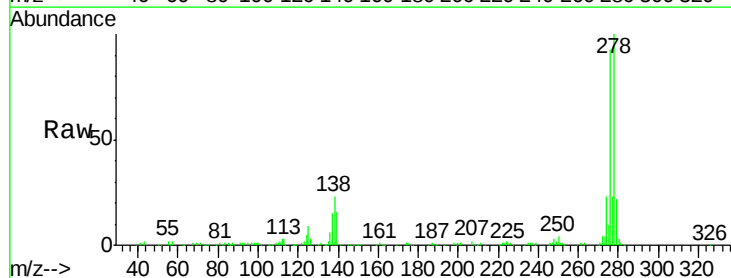
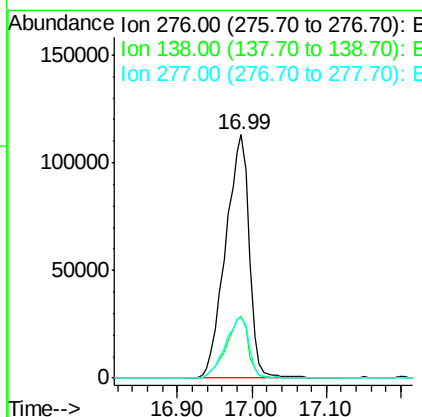
Sohil

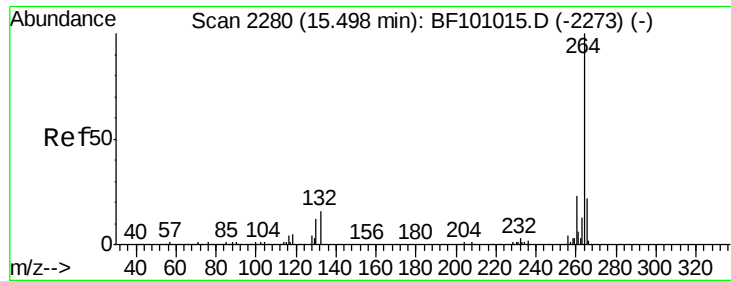
12/13/2017 12:07:45 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 37.972 ng
RT: 16.99 min Scan# 2533
Delta R.T. 0.04 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	23.4	25.0	37.6#
277	25.3	20.1	30.1



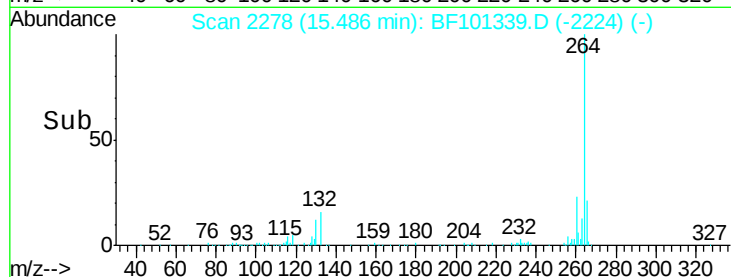
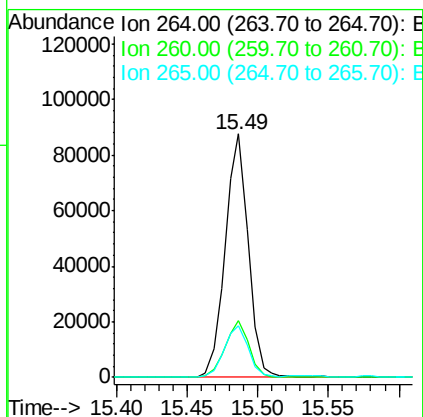
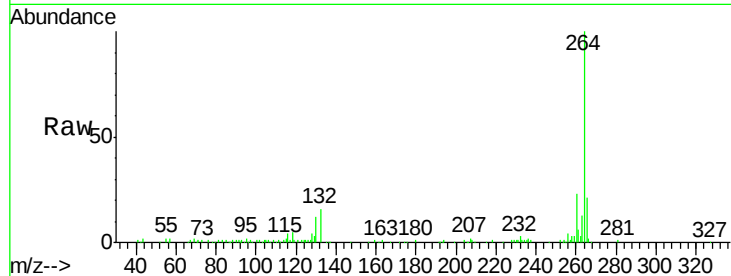


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.02 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Instrument :
BNA_F
ClientSampleId :
SB-1(13-15)MSD

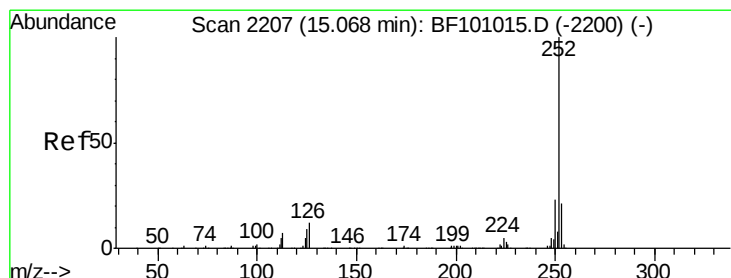
Tot Ion:	264	Resp:	99104
Ion Ratio		Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.2	17.5	26.3

Manual Integrations
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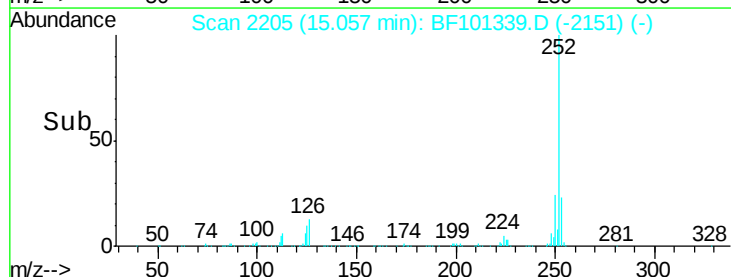
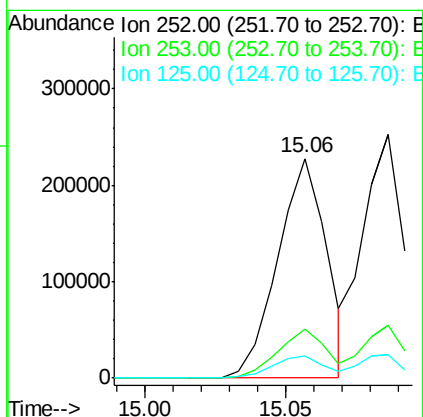
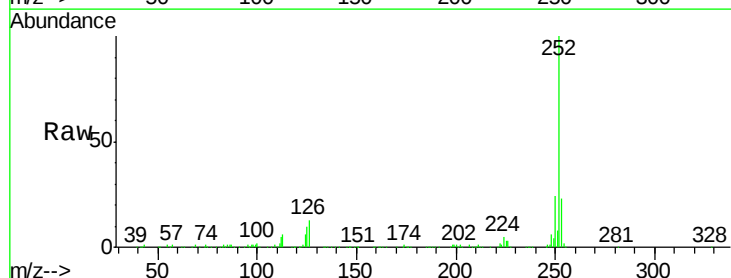
Sohil

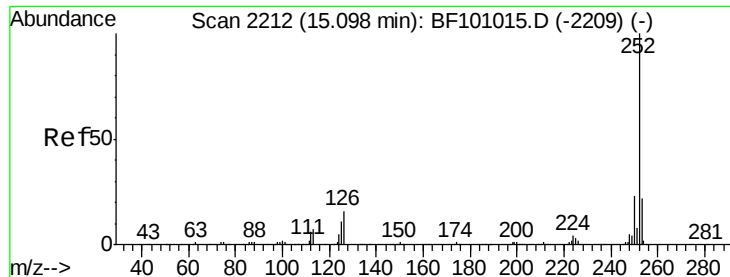
12/13/2017 12:07:45 PM



#87
Benzo(b)fluoranthene
Concen: 46.101 ng
RT: 15.06 min Scan# 2205
Delta R.T. 0.02 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Tgt Ion:	252	Resp:	273661
Ion Ratio		Lower	Upper
252	100		
253	22.5	17.0	25.6
125	9.9	9.0	13.6



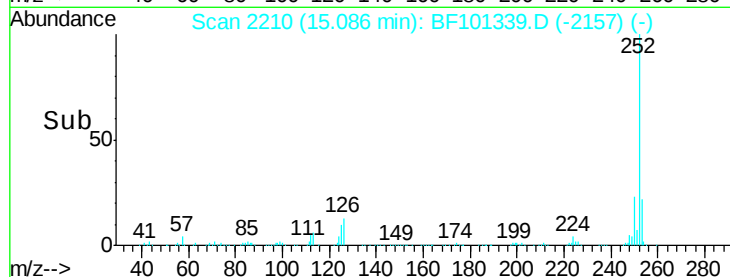
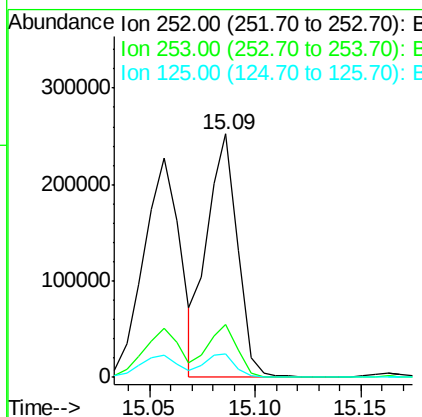
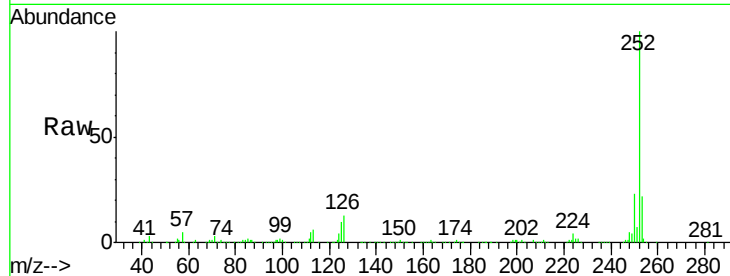


#88
Benzo(k)fluoranthene
Concen: 43.101 ng
RT: 15.09 min Scan# 2210
Delta R.T. 0.01 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Instrument :
BNA_F
ClientSampleId :
SB-1(13-15)MSD

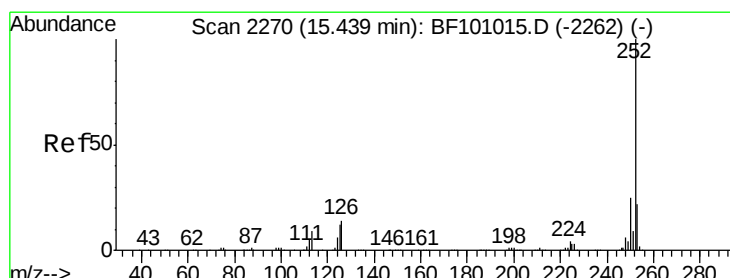
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.9	26.9
125	9.8	10.2	15.2

Manual Integrations
APPROVED



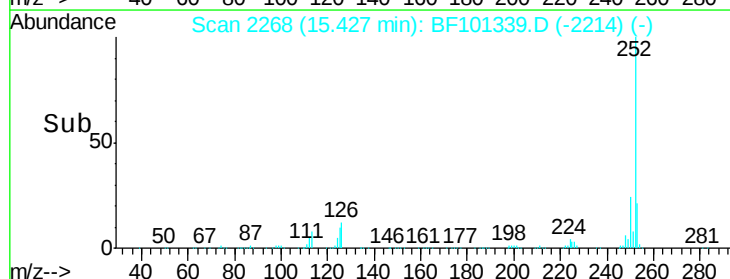
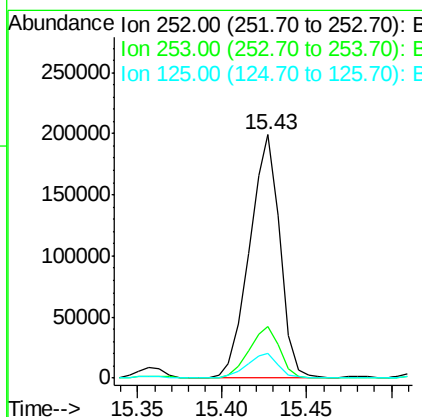
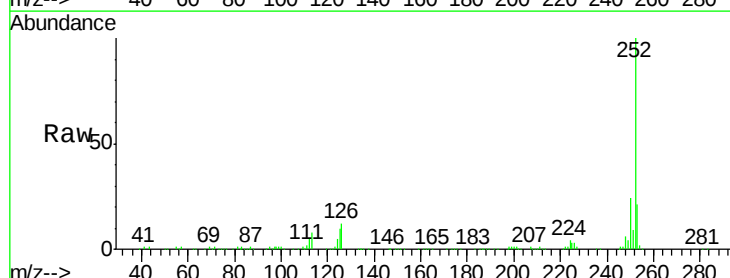
Sohil

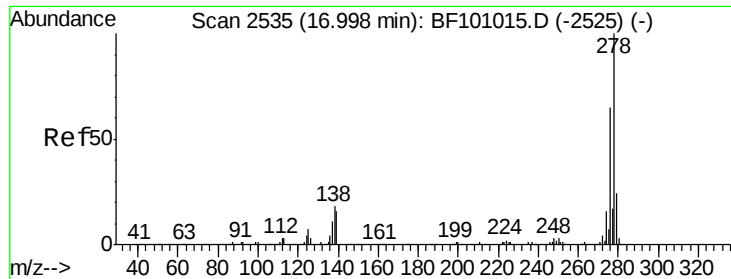
12/13/2017 12:07:45 PM



#89
Benzo(a)pyrene
Concen: 45.840 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.02 min
Lab File: BF101339.D
Acq: 12 Dec 2017 19:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.1	25.7
125	10.2	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 43.214 ng

RT: 16.99 min Scan# 2533

Delta R.T. 0.03 min

Lab File: BF101339.D

Acq: 12 Dec 2017 19:32

Instrument :

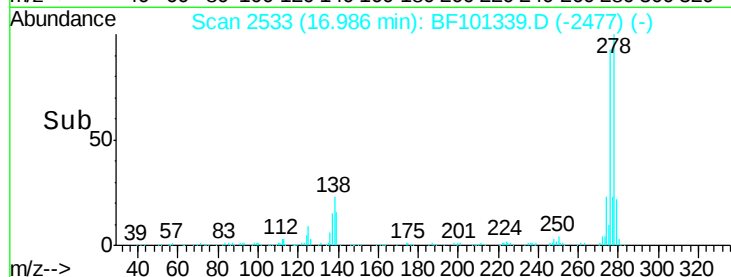
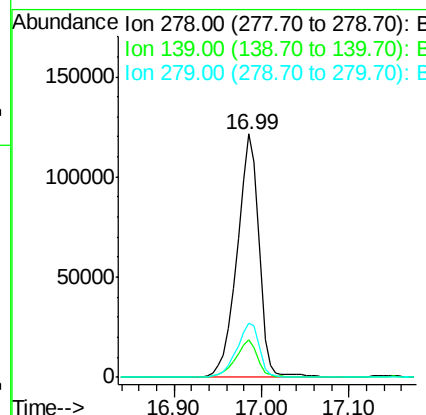
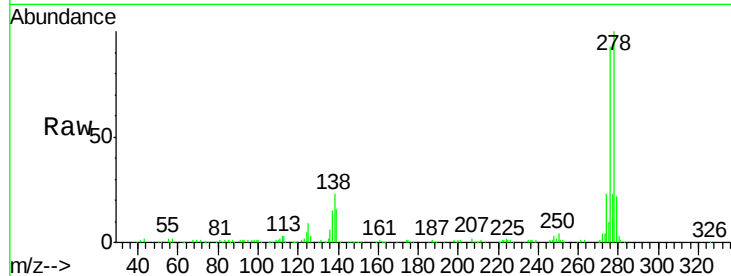
BNA_F

ClientSampleId :

SB-1(13-15)MSD

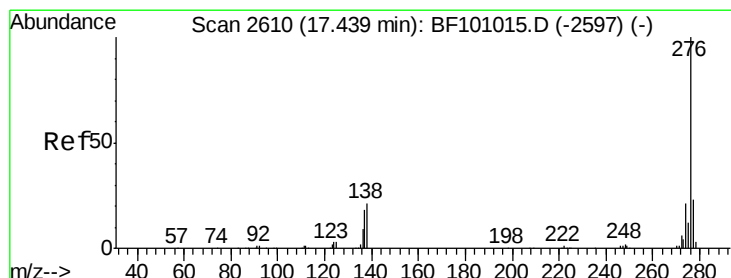
Tot Ion:	278	Resp:	205596
Ion Ratio	Lower	Upper	
278	100		
139	15.6	15.9	23.9#
279	22.3	19.0	28.4

Manual Integrations
APPROVED



Sohil

12/13/2017 12:07:45 PM



#91

Benzo(g,h,i)perylene

Concen: 46.010 ng

RT: 17.43 min Scan# 2609

Delta R.T. 0.04 min

Lab File: BF101339.D

Acq: 12 Dec 2017 19:32

Tgt Ion:	276	Resp:	206293
Ion Ratio	Lower	Upper	
276	100		
277	22.6	17.9	26.9
138	20.2	21.8	32.8#

