

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050818\
 Data File : BF105177.D
 Acq On : 9 May 2018 6:29
 Operator : JU/SJ
 Sample : J2680-02
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 09 11:41:12 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 08 16:33:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	233606	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	940237	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	463362	20.00	ng	-0.01
63) Phenanthrene-d10	11.31	188	914244	20.00	ng	0.00
75) Chrysene-d12	14.00	240	788398	20.00	ng	-0.01
86) Perylene-d12	15.56	264	661264	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	1723916	121.57	ng	0.02
7) Phenol-d6	6.42	99	1926932	114.13	ng	0.00
23) Nitrobenzene-d5	7.36	82	1511600	108.96	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	762410	149.14	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	2656019	88.97	ng	0.00
78) Terphenyl-d14	12.92	244	2869850	84.55	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.52	88	256	0.034	ng	# 55
4) n-Nitrosodimethylamine	3.19	42	919	0.090	ng	# 1
6) Aniline	6.56	93	2644	0.107	ng	# 1
8) 2-Chlorophenol	6.57	128	773	0.051	ng	# 1
9) Benzaldehyde	6.42	77	3156	0.244	ng	# 1
10) Phenol	6.43	94	487	0.026	ng	# 1
11) bis(2-Chloroethyl)ether	6.56	93	2644	0.171	ng	# 1
12) 1,3-Dichlorobenzene	6.95	146	148	0.008	ng	# 1
13) 1,4-Dichlorobenzene	6.95	146	148	0.008	ng	# 1
14) 1,2-Dichlorobenzene	6.95	146	148	0.009	ng	# 1
15) Benzyl Alcohol	6.95	79	23511	1.819	ng	# 29
16) 2,2'-oxybis(1-Chloropropan	7.07	45	128	0.004	ng	# 70
18) Hexachloroethane	7.36	117	112	0.019	ng	# 2
19) n-Nitroso-di-n-propylamine	7.36	70	206161	18.442	ng	# 85
22) Acetophenone	7.19	105	2752	0.126	ng	# 84
24) Nitrobenzene	7.36	77	4974	0.316	ng	# 31
25) Isophorone	7.36	82	1510684	48.691	ng	# 64
27) 2,4-Dimethylphenol	7.75	122	2331	0.169	ng	# 4
31) Naphthalene	8.09	128	9619	0.212	ng	# 95
32) Benzoic acid	7.75	122	2331	9.423	ng	# 77
33) 4-Chloroaniline	8.09	127	1163	0.062	ng	# 14
37) 2-Methylnaphthalene	8.78	142	3303	0.105	ng	# 93
45) 1,1'-Biphenyl	9.25	154	9959	0.264	ng	# 94
47) 2-Nitroaniline	9.15	65	4363	6.271	ng	# 1
48) Acenaphthylene	9.68	152	131	0.003	ng	# 60
50) 2,6-Dinitrotoluene	9.82	165	59317	8.715	ng	# 26
51) Acenaphthene	9.86	154	1671	0.059	ng	# 95
54) Dibenzofuran	10.03	168	1736	0.042	ng	# 93
55) 4-Nitrophenol	10.03	139	501	4.374	ng	# 9
56) 2,4-Dinitrotoluene	9.82	165	59317	9.670	ng	# 24
57) Fluorene	10.37	166	1770	0.059	ng	# 94
59) Diethylphthalate	10.25	149	3481	0.113	ng	# 91
62) Azobenzene	10.52	77	115	0.004	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.62	198	1612	9.259	ng	# 1

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 ALS Vial : 29 Sample Multiplier: 1

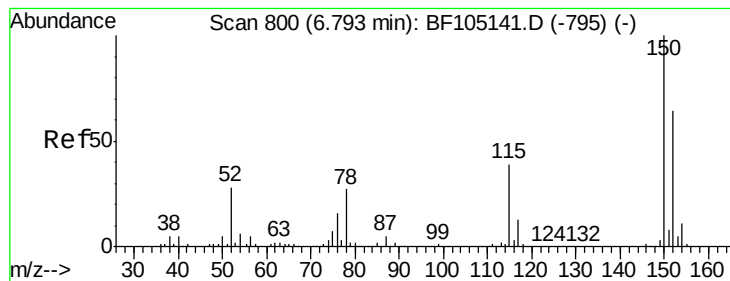
Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 09 11:41:12 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

65) n-Nitrosodiphenylamine	10.62	169	19816	0.695	nq	# 48
66) 4-Bromophenyl-phenylether	10.62	248	45045	4.620	nq	# 1
70) Phenanthrene	11.33	178	4228	0.088	nq	# 93
71) Anthracene	11.39	178	485	0.010	nq	# 60
72) Carbazole	11.54	167	946	0.021	nq	# 66
73) Di-n-butylphthalate	11.87	149	3444	0.073	nq	# 92
74) Fluoranthene	12.52	202	1229	0.024	nq	# 67
76) Benzidine	12.92	184	36078	1.225	nq	# 95
77) Pyrene	12.75	202	1395	0.024	nq	# 72
80) Benzo(a)anthracene	14.01	228	2831	0.059	nq	# 64
82) Chrysene	14.01	228	2831	0.057	nq	# 62
83) Bis(2-ethylhexyl)phthalate	14.00	149	837	0.035	nq	# 66
87) Benzo(b)fluoranthene	15.13	252	282	0.007	nq	# 60
88) Benzo(k)fluoranthene	15.16	252	128	0.003	nq	# 59
89) Benzo(a)pyrene	15.49	252	149	0.004	nq	# 60

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

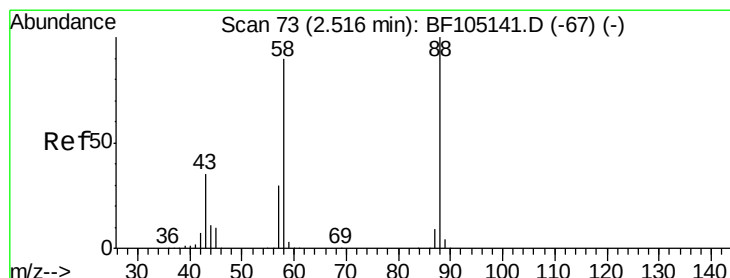
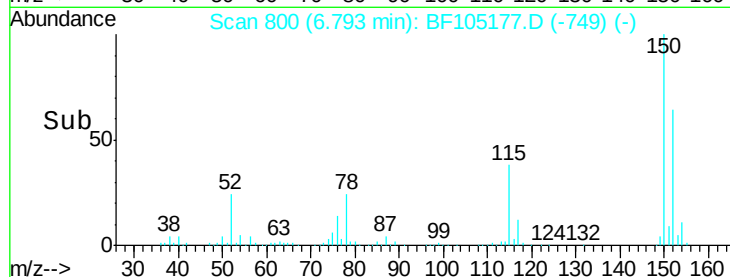
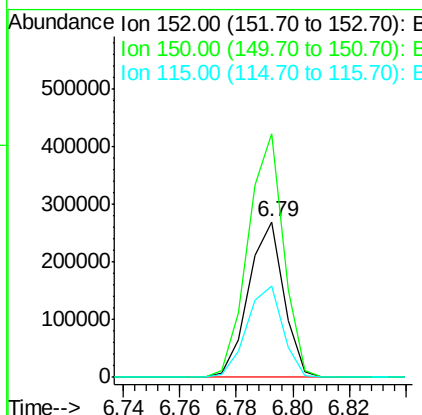
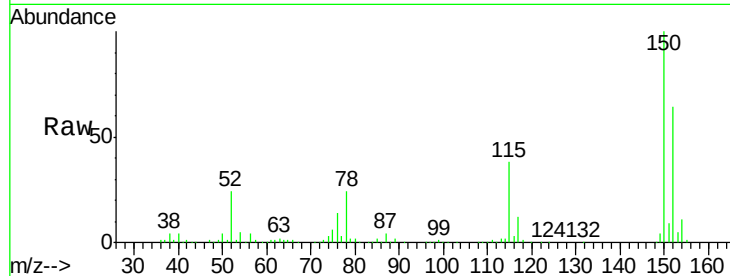


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. -0.00 min
 Lab File: BF105177.D
 Acq: 9 May 2018 6:29

Instrument :
 BNA_F
 ClientSampleId :

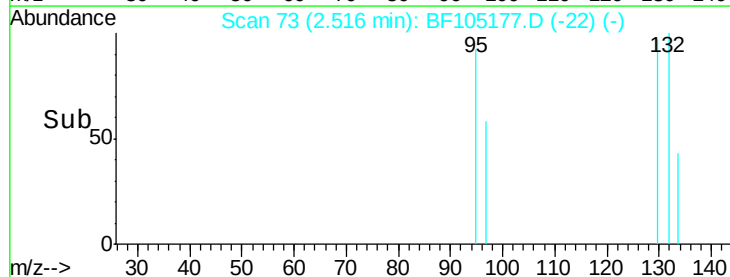
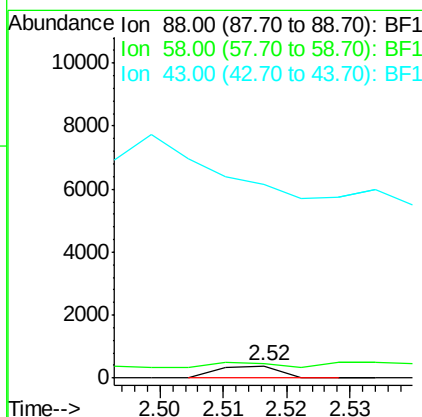
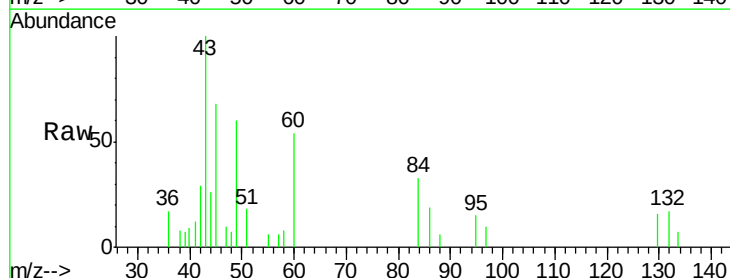
Tot Ion:152 Resp: 233606
 Ion Ratio Lower Upper
 152 100
 150 156.7 124.6 186.8
 115 59.1 50.1 75.1

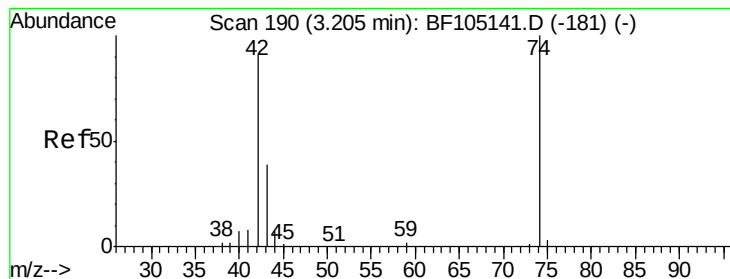


#2

1,4-Dioxane
 Concen: 0.034 ng
 RT: 2.52 min Scan# 73
 Delta R.T. -0.00 min
 Lab File: BF105177.D
 Acq: 9 May 2018 6:29

Tgt Ion: 88 Resp: 256
 Ion Ratio Lower Upper
 88 100
 58 113.7 62.6 93.8#
 43 0.0 24.6 37.0#



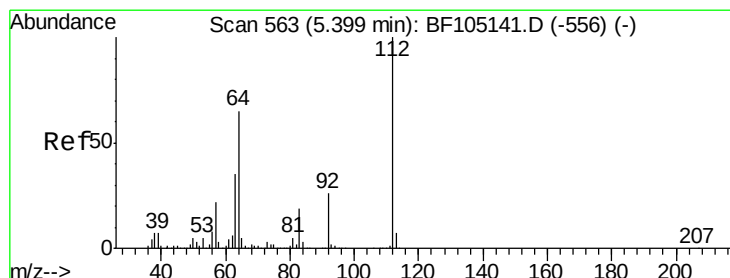
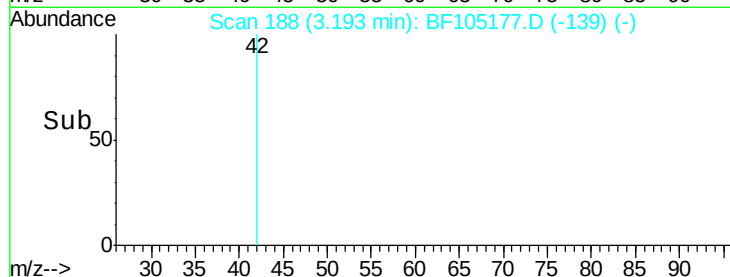
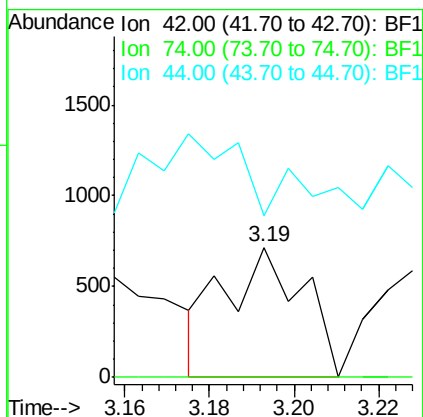
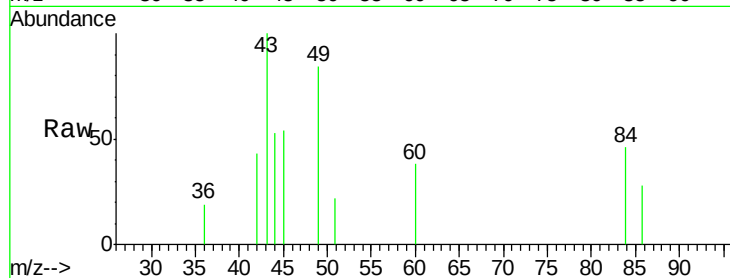


#4

n-Nitrosodimethylamine
 Concen: 0.090 ng
 RT: 3.19 min Scan# 188
 Delta R.T. -0.01 min
 Lab File: BF105177.D
 Acq: 9 May 2018 6:29

Instrument :
 BNA_F
 ClientSampleId :

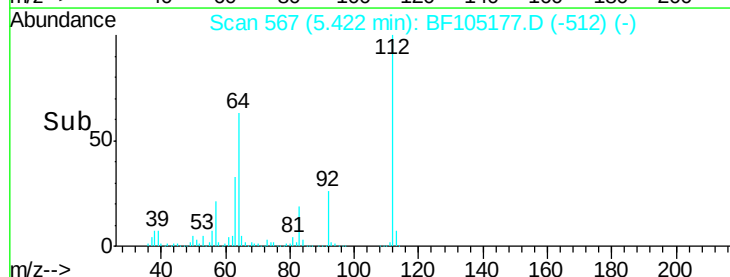
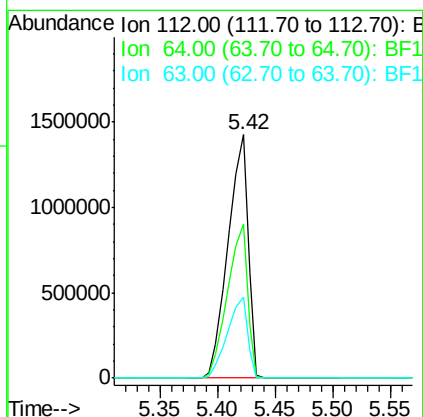
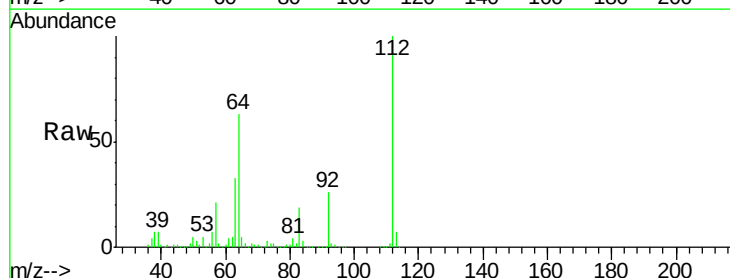
Tot Ion: 42 Resp: 919
 Ion Ratio Lower Upper
 42 100
 74 0.0 104.9 157.3#
 44 124.7 6.9 10.3#

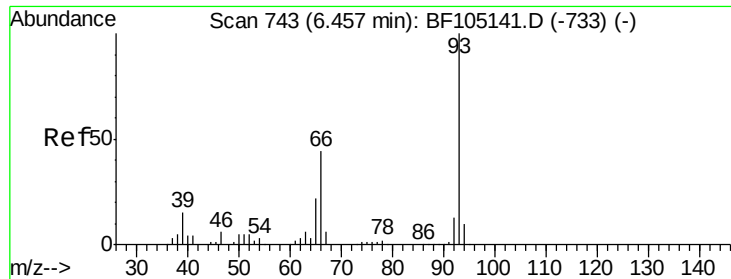


#5

2-Fluorophenol
 Concen: 121.574 ng
 RT: 5.42 min Scan# 567
 Delta R.T. 0.02 min
 Lab File: BF105177.D
 Acq: 9 May 2018 6:29

Tgt Ion: 112 Resp: 1723916
 Ion Ratio Lower Upper
 112 100
 64 63.1 47.9 71.9
 63 33.3 23.7 35.5





#6

Aniline

Concen: 0.107 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.11 min

Lab File: BF105177.D

Acq: 9 May 2018 6:29

Instrument :

BNA_F

ClientSampleId :

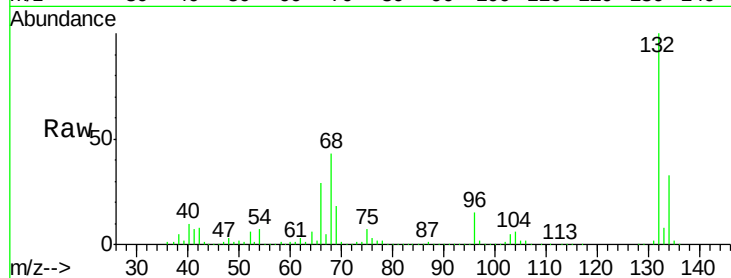
Tot Ion: 93 Resp: 2644

Ion Ratio Lower Upper

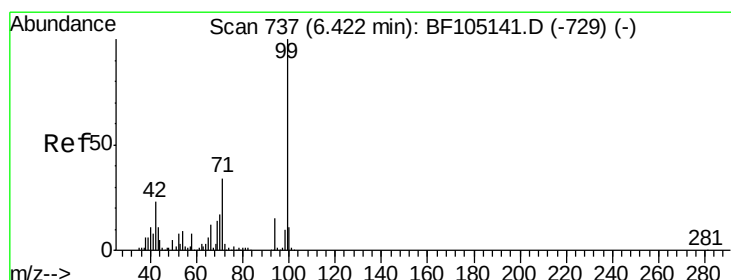
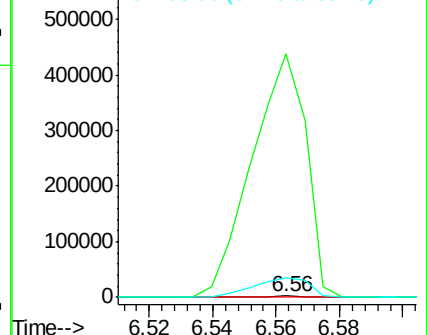
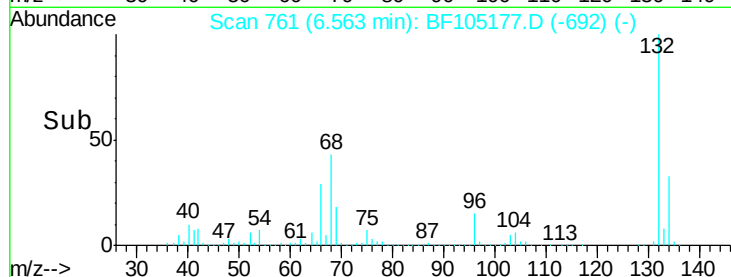
93 100

66 17399.8 32.2 48.2#

65 1379.7 16.4 24.6#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1



#7

Phenol-d6

Concen: 114.126 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.00 min

Lab File: BF105177.D

Acq: 9 May 2018 6:29

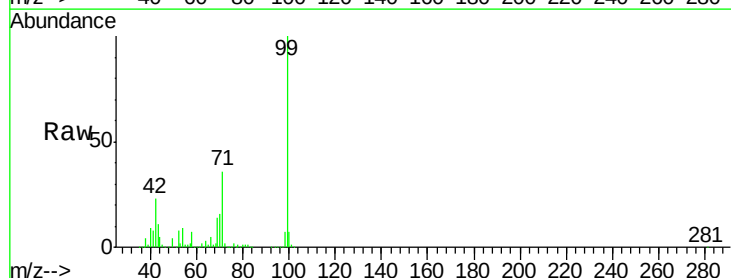
Tgt Ion: 99 Resp: 1926932

Ion Ratio Lower Upper

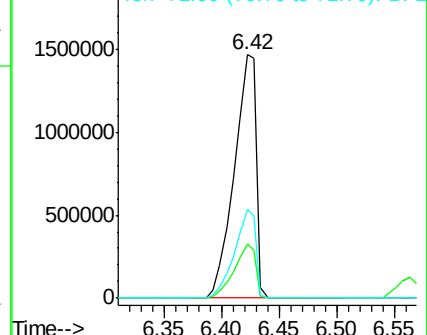
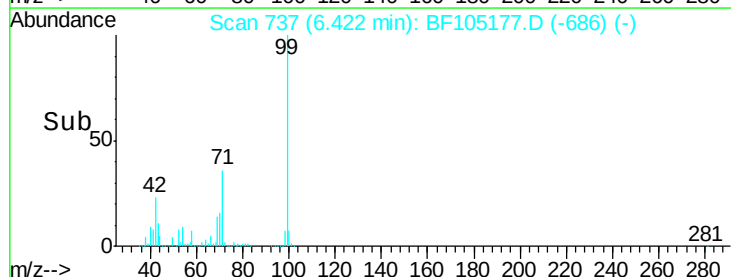
99 100

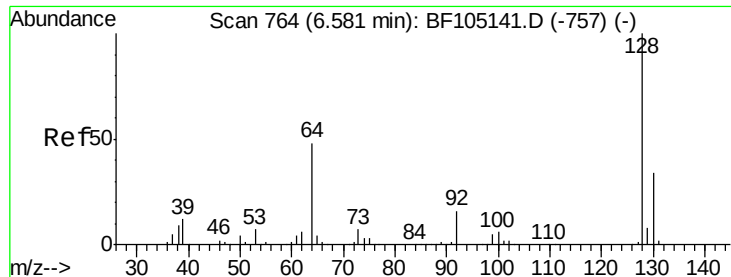
42 22.5 14.5 21.7#

71 36.3 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1





#8

2-Chlorophenol

Concen: 0.051 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF105177.D

Acq: 9 May 2018 6:29

Instrument :

BNA_F

ClientSampleId :

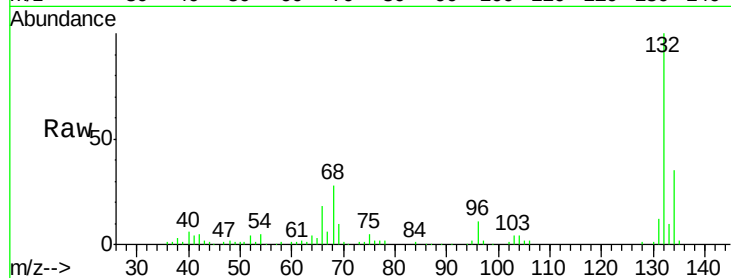
Tot Ion:128 Resp: 773

Ion Ratio Lower Upper

128 100

130 86.8 13.0 53.0#

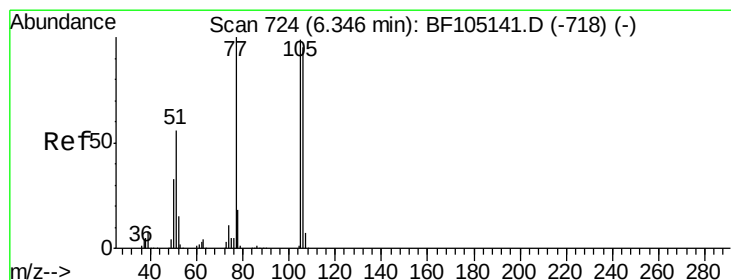
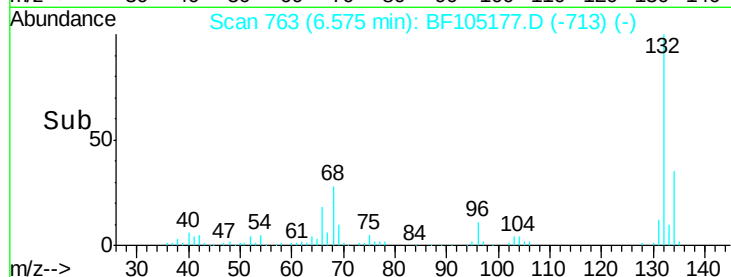
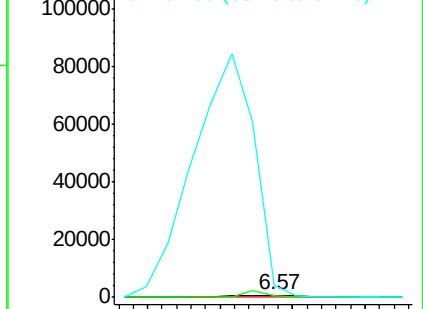
64 541.5 29.4 69.4#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1



#9

Benzaldehyde

Concen: 0.244 ng

RT: 6.42 min Scan# 737

Delta R.T. 0.08 min

Lab File: BF105177.D

Acq: 9 May 2018 6:29

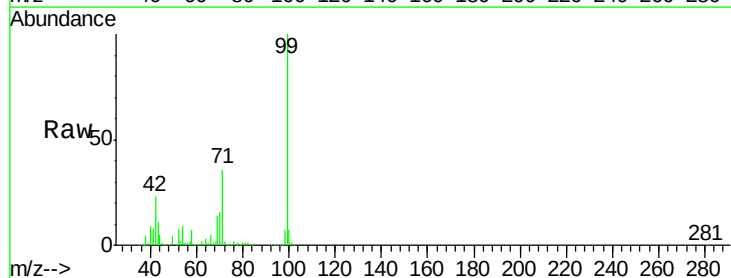
Tgt Ion: 77 Resp: 3156

Ion Ratio Lower Upper

77 100

105 0.0 81.1 121.1#

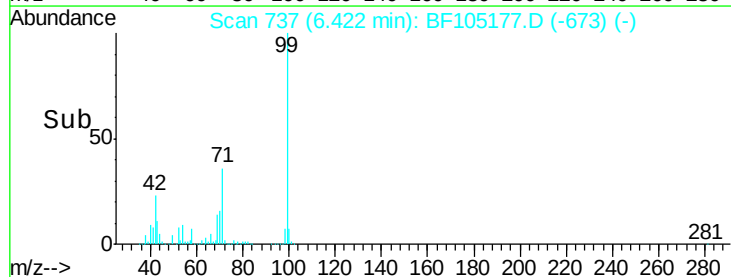
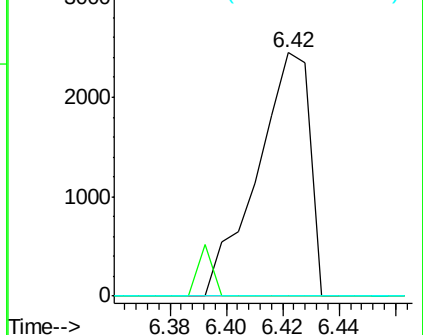
106 0.0 74.5 114.5#

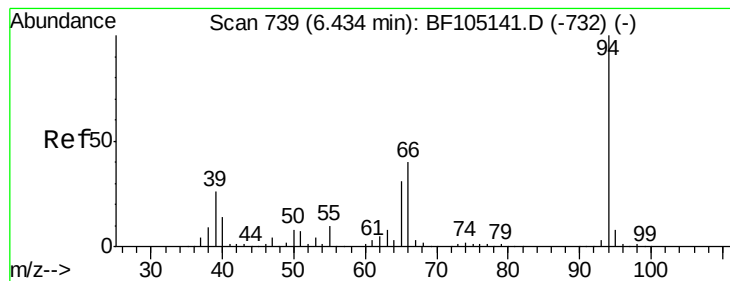


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.026 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF105177.D

Acq: 9 May 2018 6:29

Instrument :

BNA_F

ClientSampled :

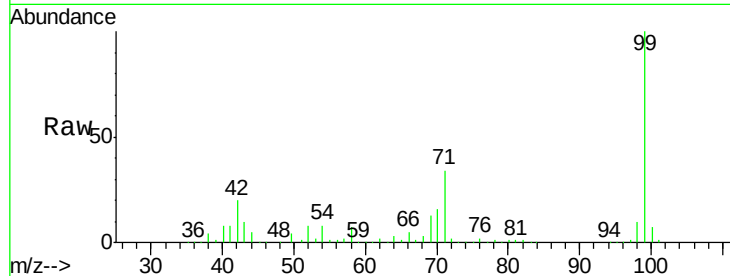
Tot Ion: 94 Resp: 487

Ion Ratio Lower Upper

94 100

65 2678.8 7.9 47.9#

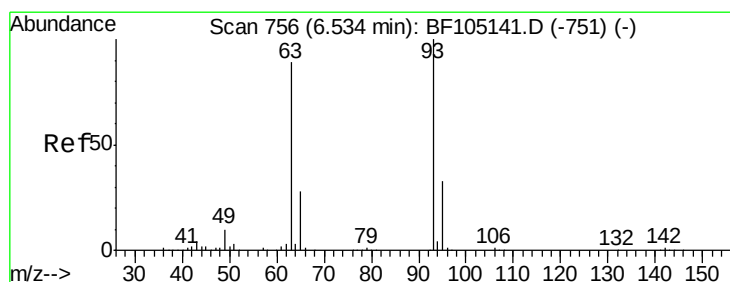
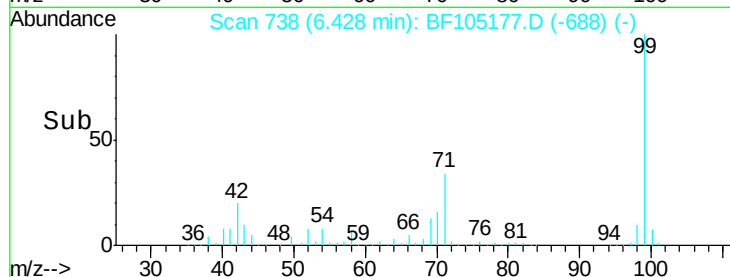
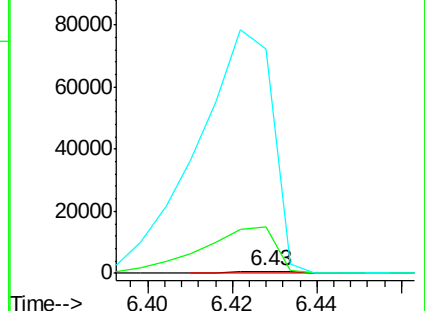
66 13024.5 16.2 56.2#



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: 0.171 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.03 min

Lab File: BF105177.D

Acq: 9 May 2018 6:29

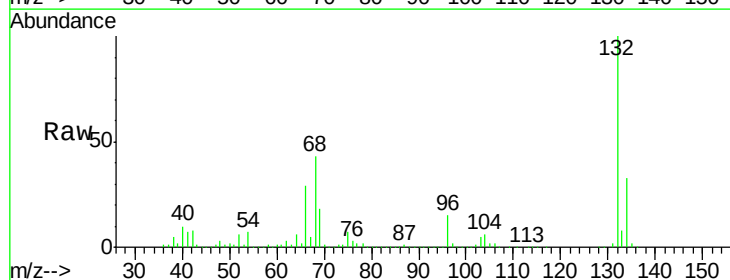
Tgt Ion: 93 Resp: 2644

Ion Ratio Lower Upper

93 100

63 749.5 58.6 98.6#

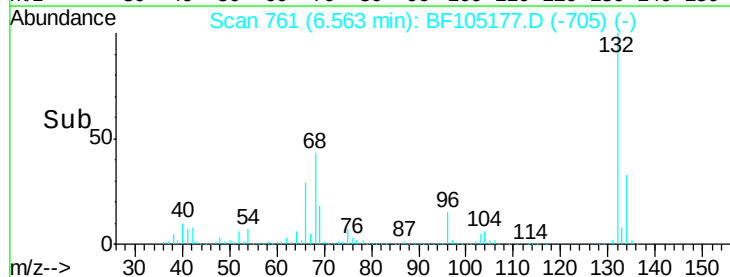
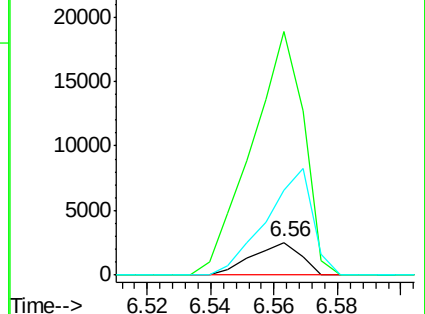
95 262.2 11.8 51.8#

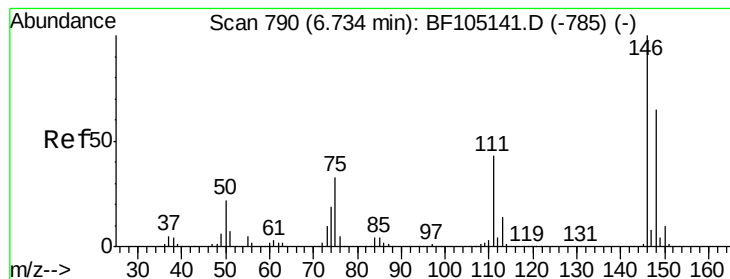


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 95.00 (94.70 to 95.70): BF1





#12

1,3-Dichlorobenzene

Concen: 0.008 ng

RT: 6.95 min Scan# 827

Delta R.T. 0.22 min

Lab File: BF105177.D

Acq: 9 May 2018 6:29

Instrument :

BNA_F

ClientSampled :

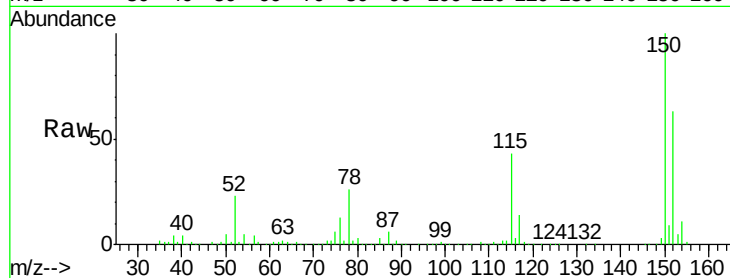
Tot Ion:146 Resp: 148

Ion Ratio Lower Upper

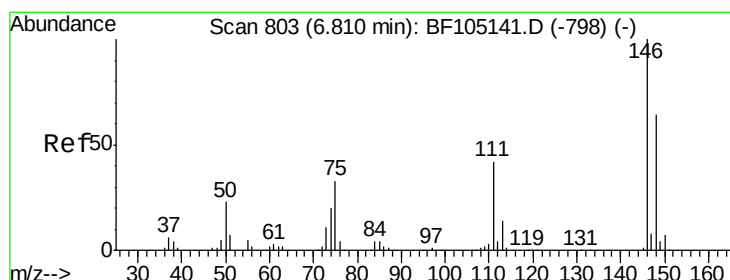
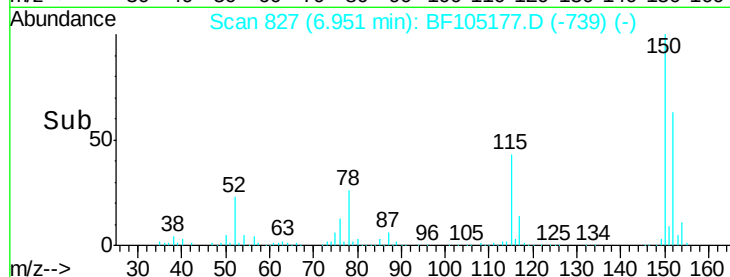
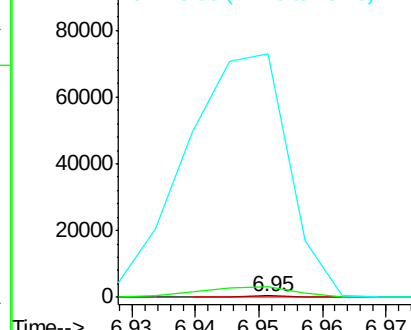
146 100

148 746.4 51.8 77.8#

75 17365.7 24.2 36.4#



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF1



#13

1,4-Dichlorobenzene

Concen: 0.008 ng

RT: 6.95 min Scan# 827

Delta R.T. 0.14 min

Lab File: BF105177.D

Acq: 9 May 2018 6:29

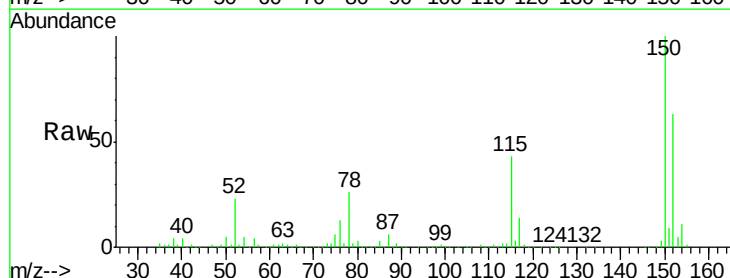
Tgt Ion:146 Resp: 148

Ion Ratio Lower Upper

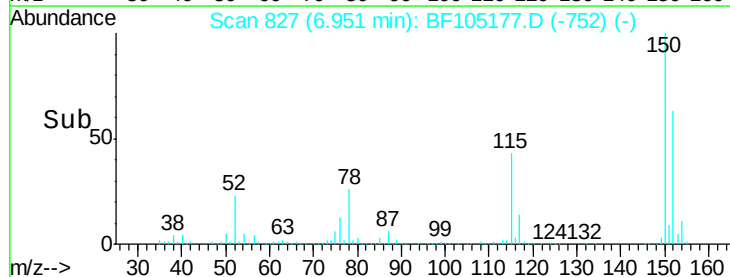
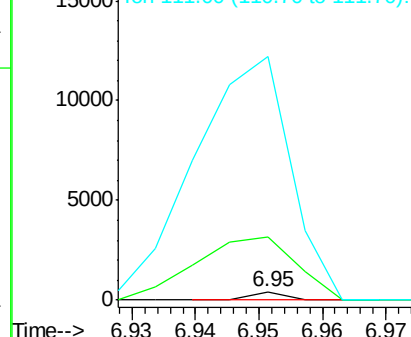
146 100

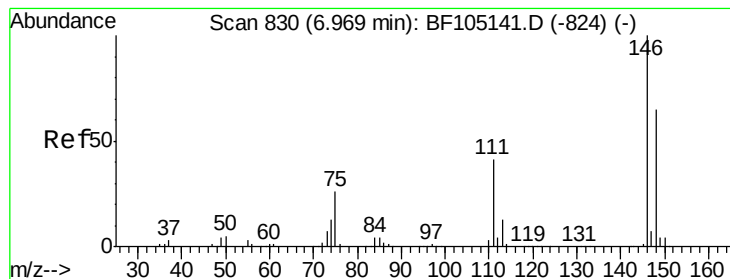
148 746.4 50.8 76.2#

111 2905.5 34.2 51.2#



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





#14

1,2-Dichlorobenzene

Concen: 0.009 ng

RT: 6.95 min Scan# 827

Delta R.T. -0.02 min

Lab File: BF105177.D

Acq: 9 May 2018 6:29

Instrument :

BNA_F

ClientSampleId :

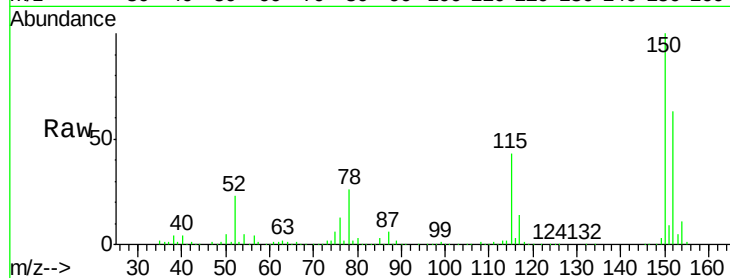
Tot Ion:146 Resp: 148

Ion Ratio Lower Upper

146 100

148 746.4 50.6 75.8#

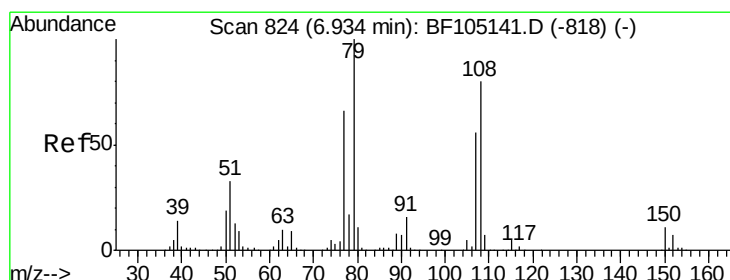
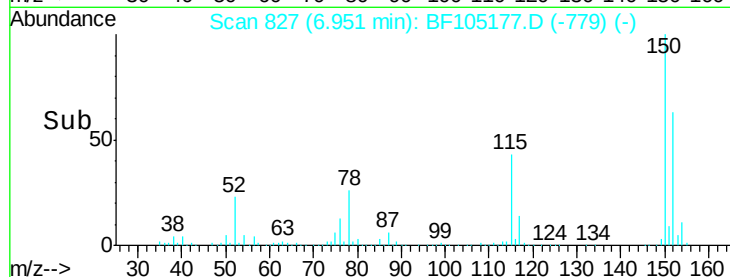
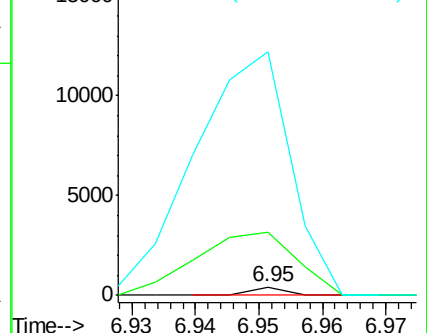
111 2905.5 36.0 54.0#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 1.819 ng

RT: 6.95 min Scan# 827

Delta R.T. 0.02 min

Lab File: BF105177.D

Acq: 9 May 2018 6:29

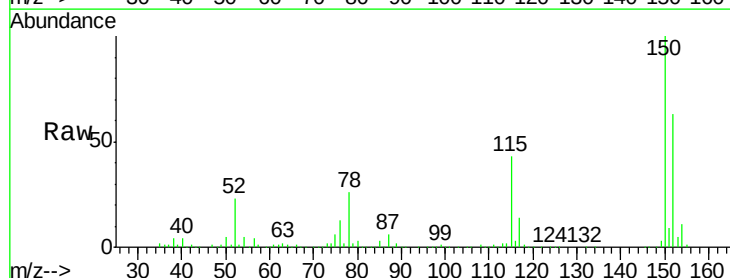
Tgt Ion: 79 Resp: 23511

Ion Ratio Lower Upper

79 100

108 30.1 65.1 97.7#

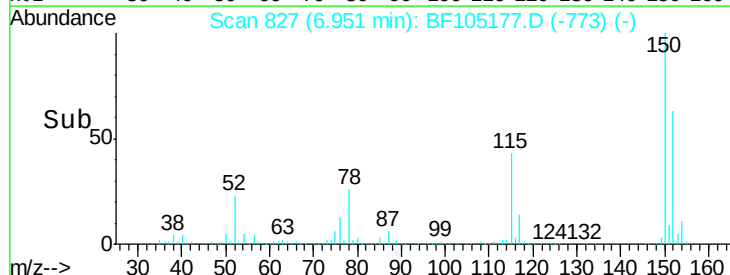
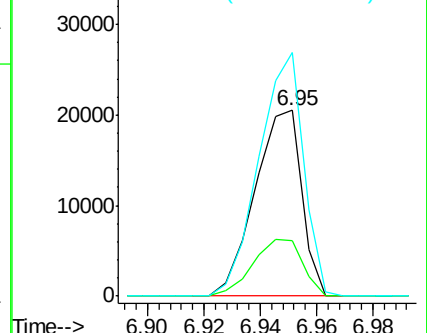
77 131.1 50.6 75.8#

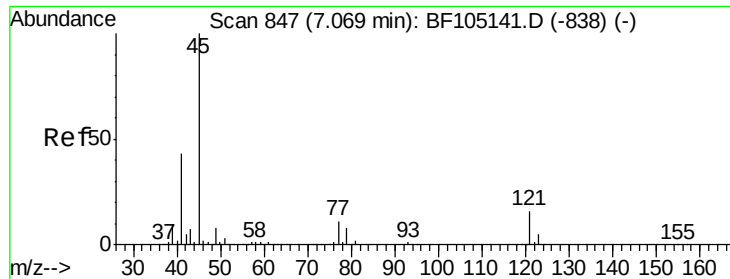


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

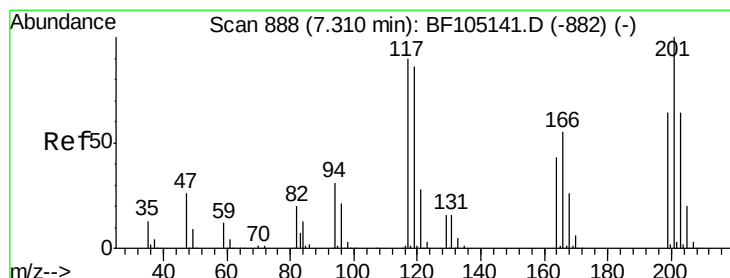
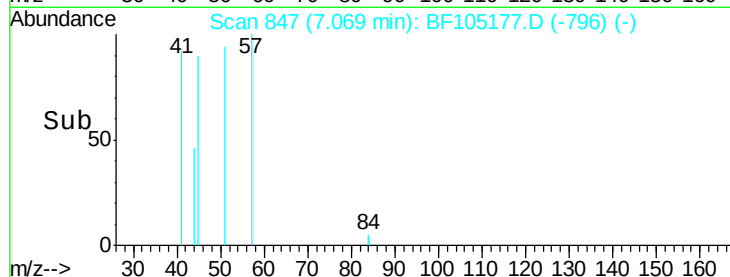
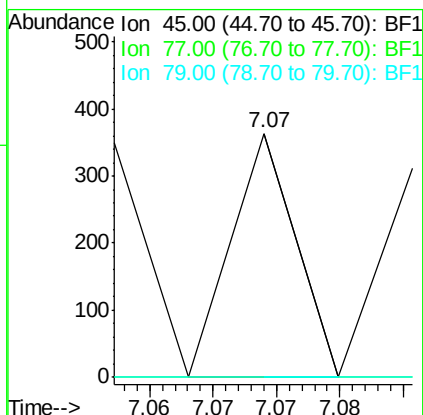
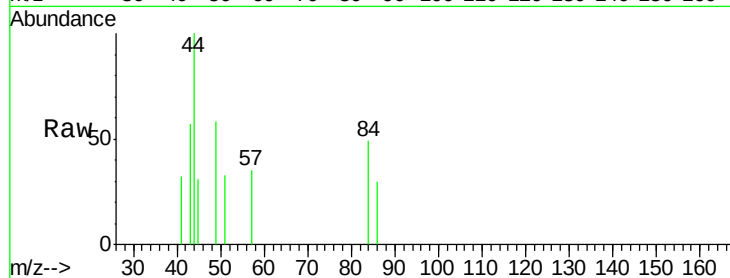




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 0.004 ng
RT: 7.07 min Scan# 847
Delta R.T. -0.00 min
Lab File: BF105177.D
Acq: 9 May 2018 6:29

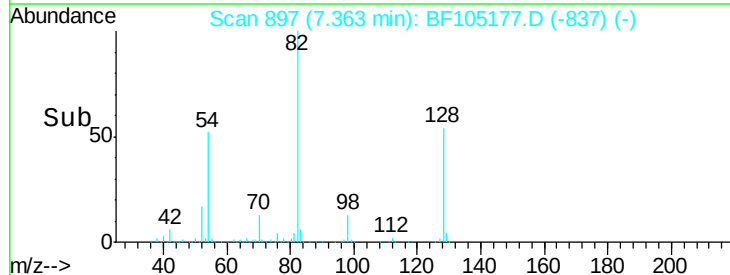
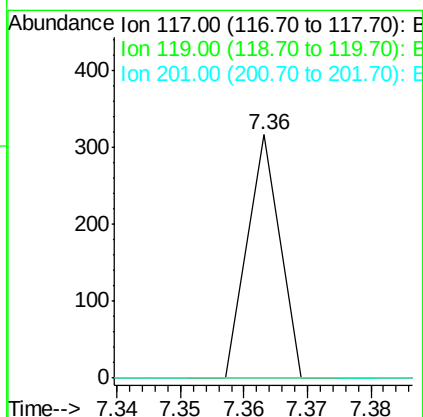
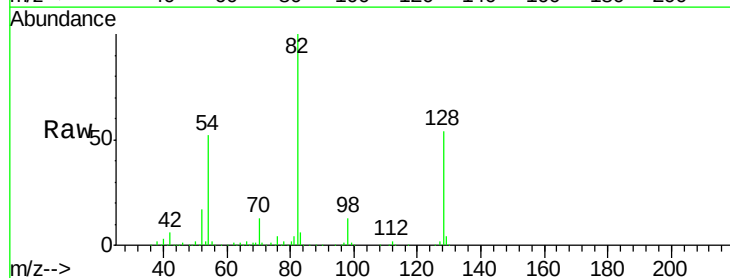
Instrument :
BNA_F
ClientSampleId :

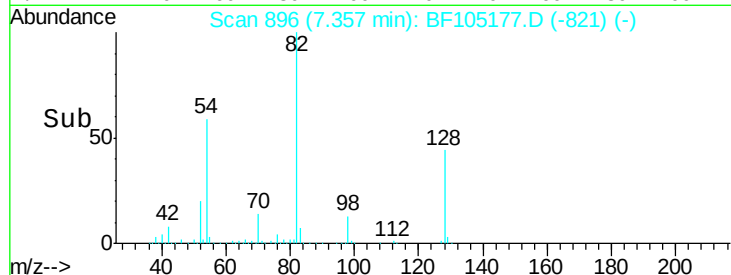
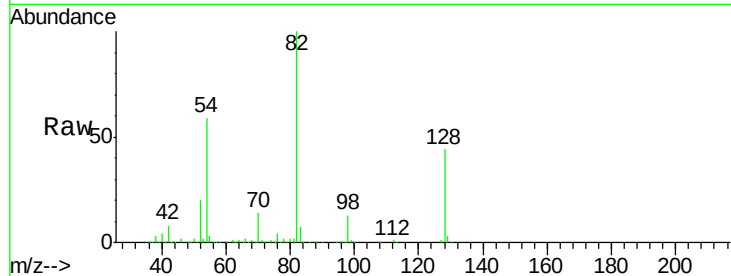
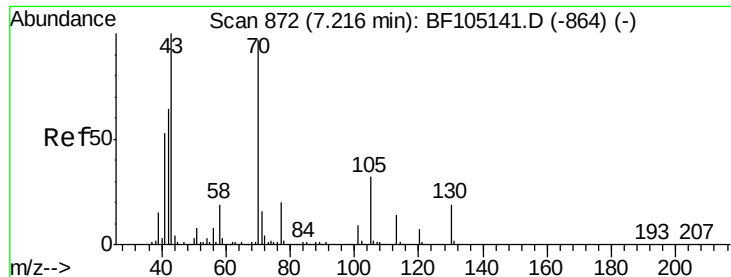
Tot Ion	Ratio	Lower	Upper
45	100		
77	0.0	0.0	32.9
79	0.0	0.0	29.6



#18
Hexachloroethane
Concen: 0.019 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.05 min
Lab File: BF105177.D
Acq: 9 May 2018 6:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.8	113.8#
201	0.0	75.7	113.5#

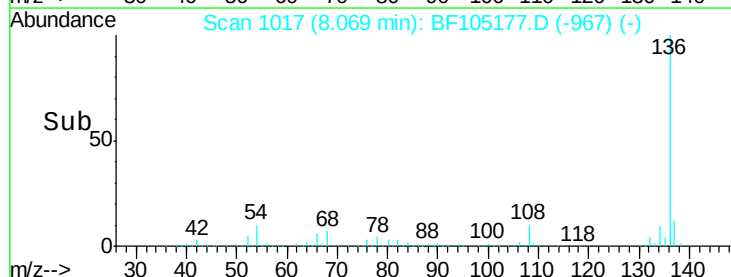
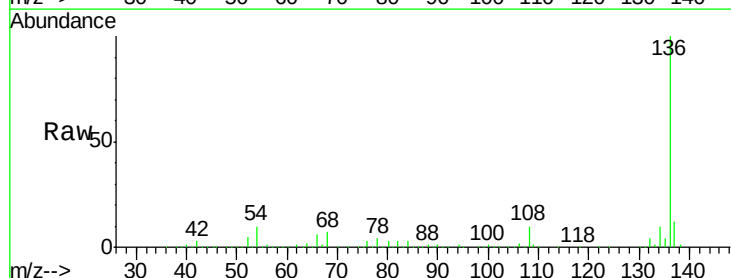
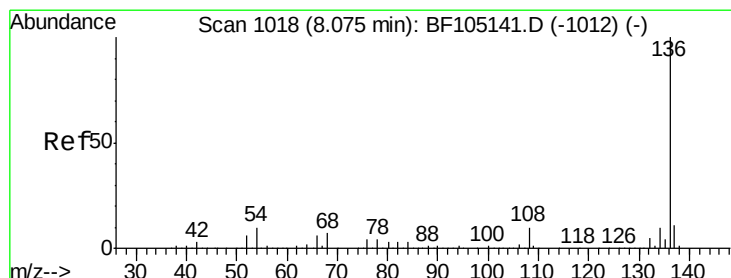
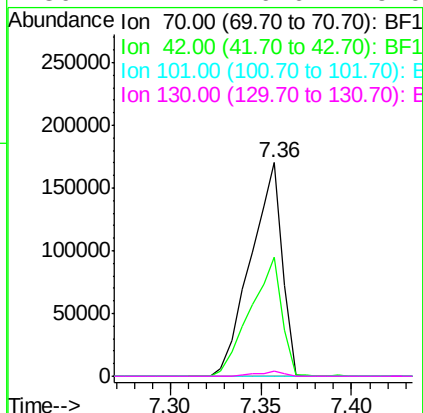




#19
n-Nitroso-di-n-propylamine
Concen: 18.442 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.14 min
Lab File: BF105177.D
Acq: 9 May 2018 6:29

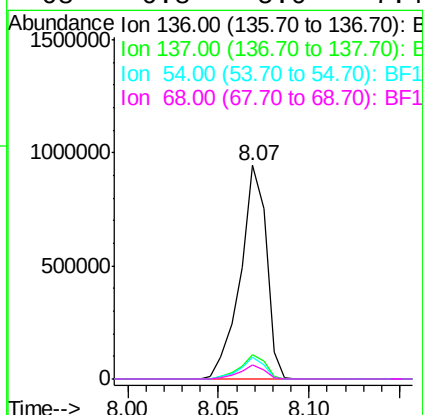
Instrument :
BNA_F
ClientSampled :

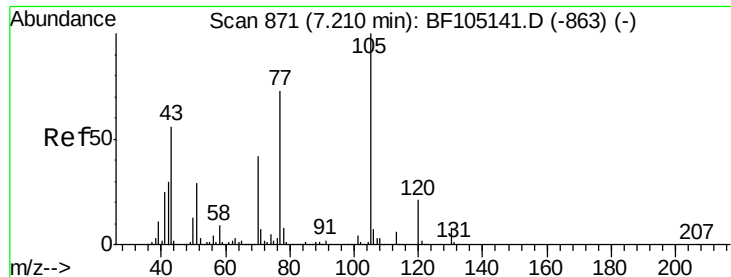
Tot Ion	Ratio	Lower	Upper
70	100		
42	55.7	47.5	71.3
101	0.0	7.4	11.2#
130	2.1	16.6	25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF105177.D
Acq: 9 May 2018 6:29

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	10.1	6.6	9.8#
68	6.8	5.0	7.4





#22

Acetophenone

Concen: 0.126 ng

RT: 7.19 min Scan# 868

Delta R.T. -0.02 min

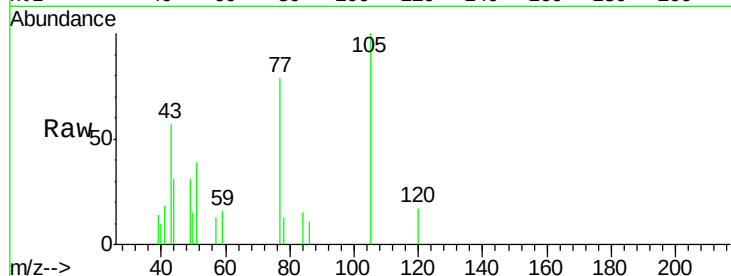
Lab File: BF105177.D

Acq: 9 May 2018 6:29

Instrument :

BNA_F

ClientSampleId :



Tot Ion:105 Resp: 2752

Ion Ratio Lower Upper

105 100

71 0.0 4.4 6.6#

51 39.0 22.3 33.5#

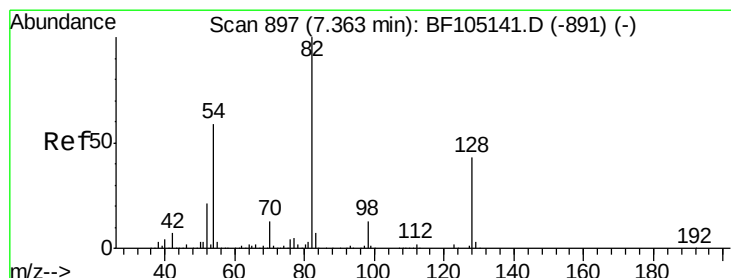
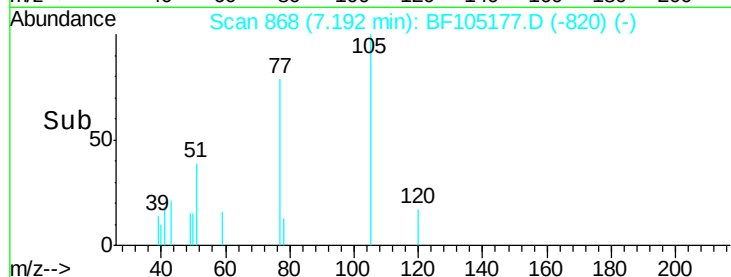
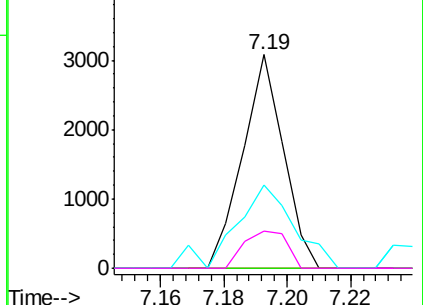
120 17.2 16.9 25.3

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: 108.958 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF105177.D

Acq: 9 May 2018 6:29

Tgt Ion: 82 Resp: 1511600

Ion Ratio Lower Upper

82 100

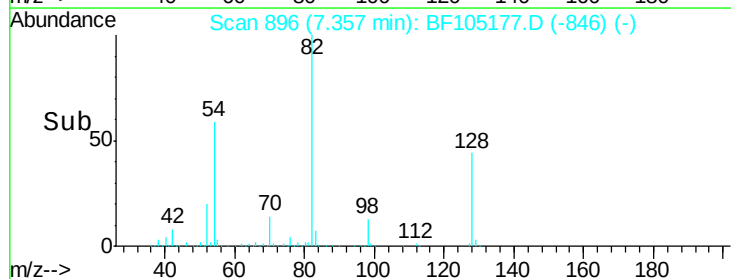
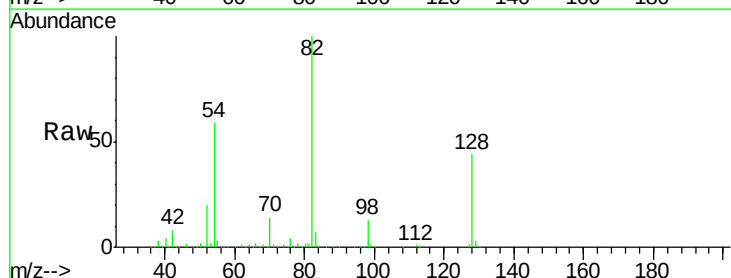
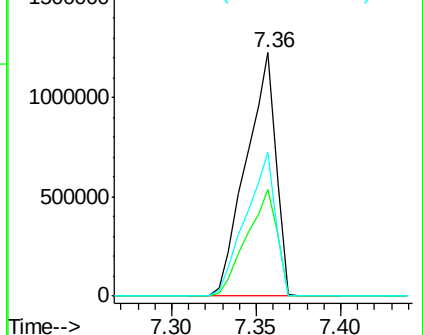
128 43.6 36.1 54.1

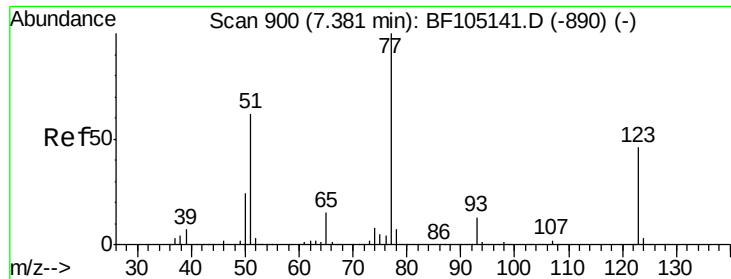
54 58.9 41.4 62.2

Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

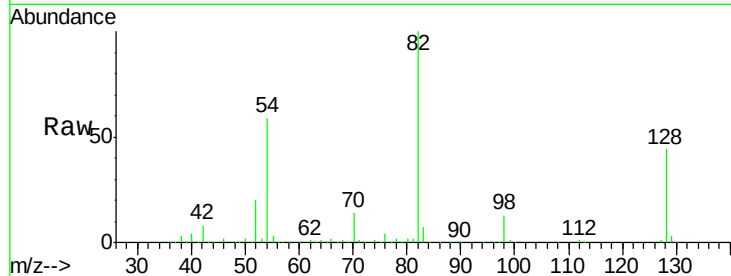




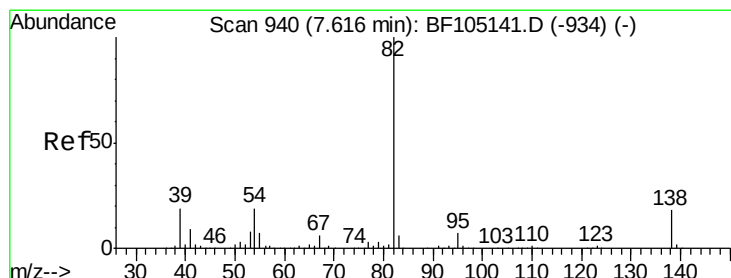
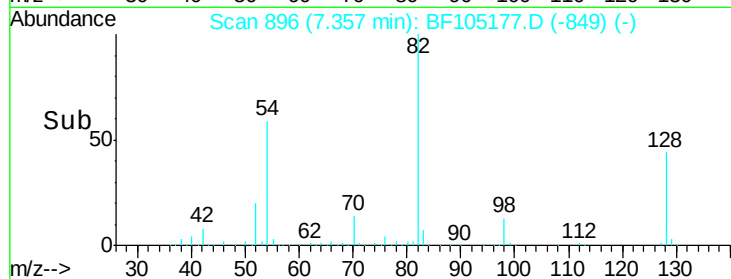
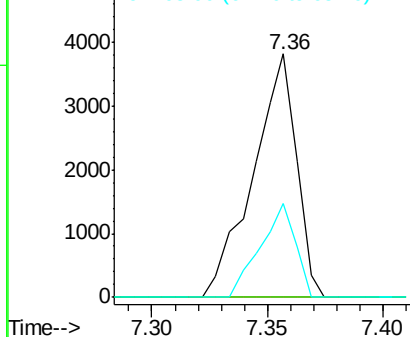
#24
Nitrobenzene
Concen: 0.316 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.02 min
Lab File: BF105177.D
Acq: 9 May 2018 6:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 77 Resp: 4974
Ion Ratio Lower Upper
77 100
123 0.0 37.9 56.9#
65 38.4 11.0 16.4#

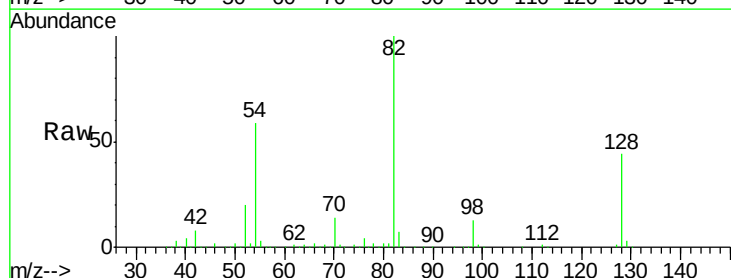


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1

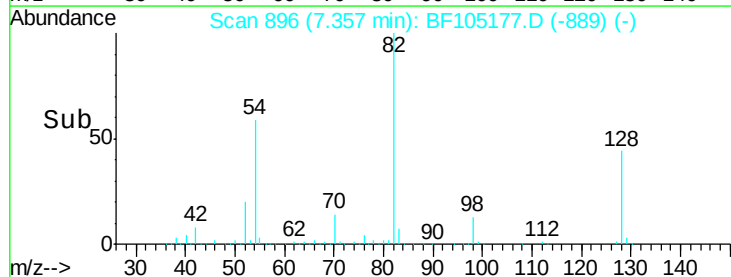
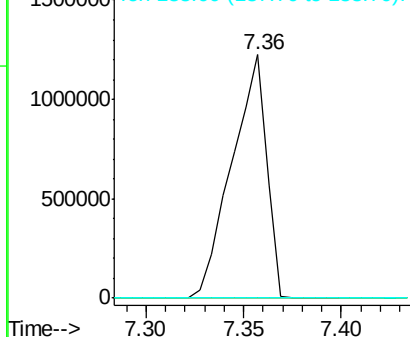


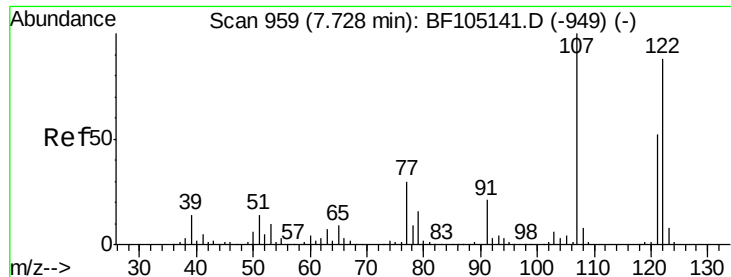
#25
Isophorone
Concen: 48.691 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.26 min
Lab File: BF105177.D
Acq: 9 May 2018 6:29

Tgt Ion: 82 Resp: 1510684
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

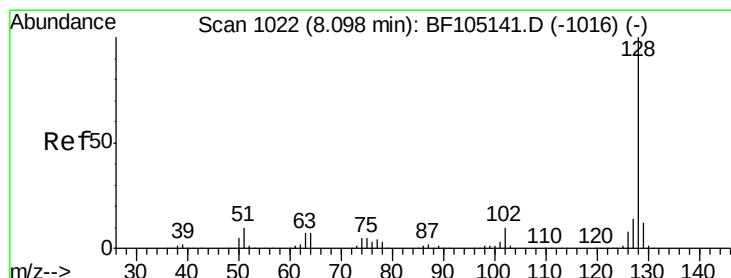
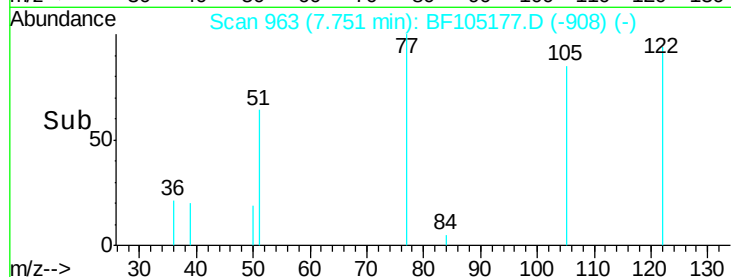
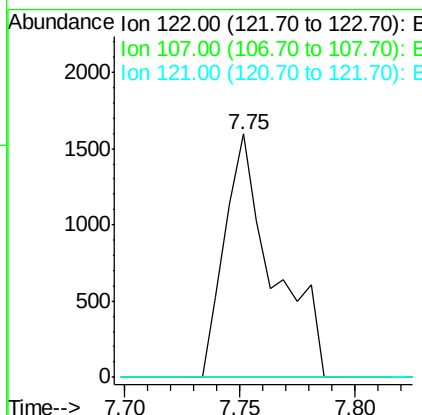
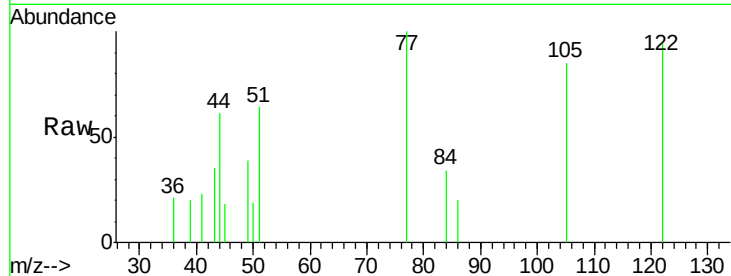




#27
 2,4-Dimethylphenol
 Concen: 0.169 ng
 RT: 7.75 min Scan# 963
 Delta R.T. 0.02 min
 Lab File: BF105177.D
 Acq: 9 May 2018 6:29

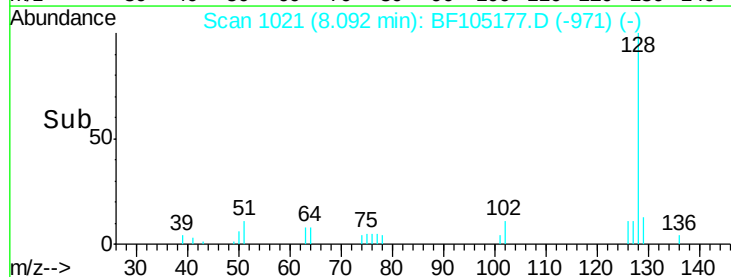
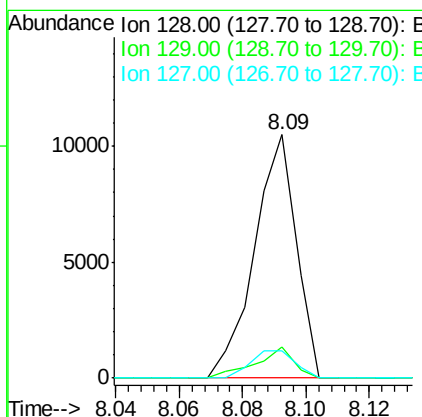
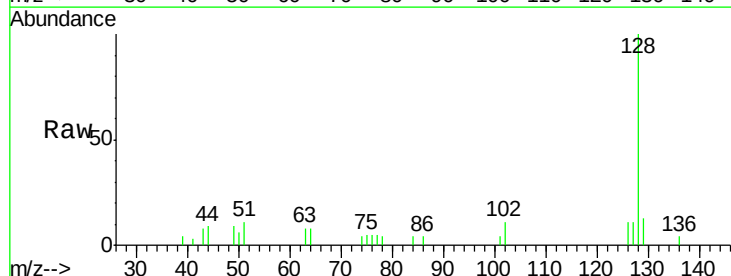
Instrument :
 BNA_F
 ClientSampleId :

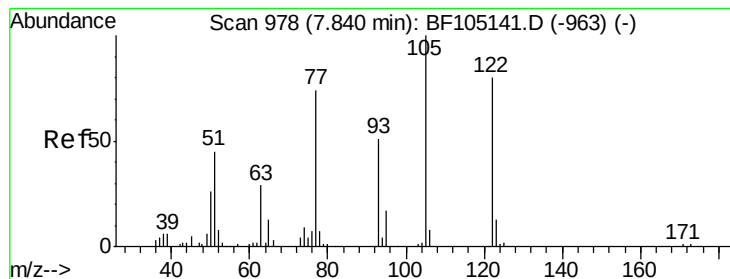
Tot Ion:122 Resp: 2331
 Ion Ratio Lower Upper
 122 100
 107 0.0 91.2 136.8#
 121 0.0 47.2 70.8#



#31
 Naphthalene
 Concen: 0.212 ng
 RT: 8.09 min Scan# 1021
 Delta R.T. -0.01 min
 Lab File: BF105177.D
 Acq: 9 May 2018 6:29

Tgt Ion:128 Resp: 9619
 Ion Ratio Lower Upper
 128 100
 129 12.7 8.8 13.2
 127 11.4 10.9 16.3





#32

Benzoic acid

Concen: 9.423 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.09 min

Lab File: BF105177.D

Acq: 9 May 2018 6:29

Instrument :

BNA_F

ClientSampleId :

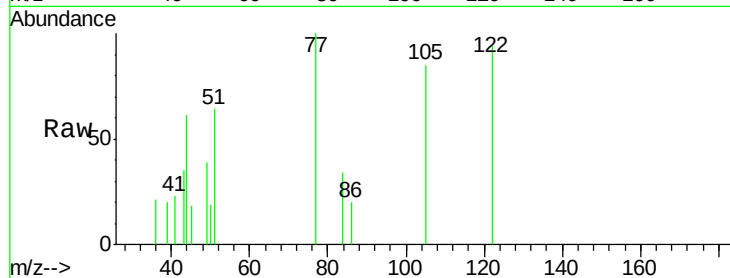
Tot Ion:122 Resp: 2331

Ion Ratio Lower Upper

122 100

105 90.1 101.1 141.1#

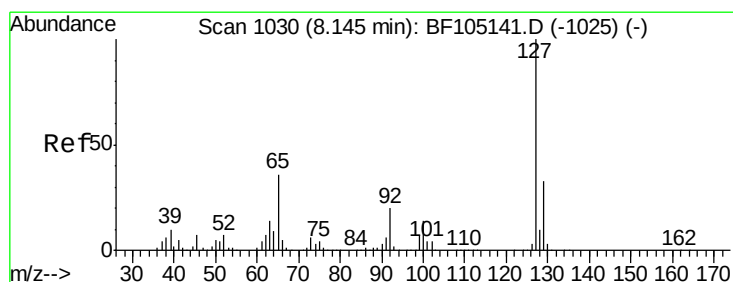
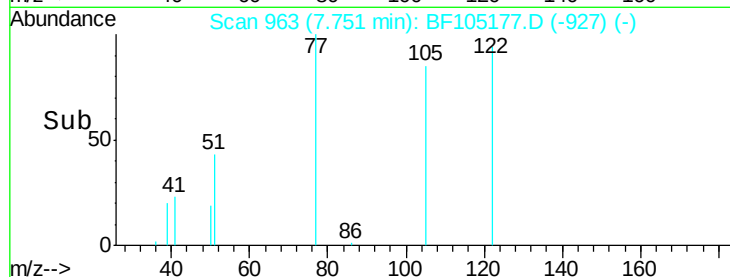
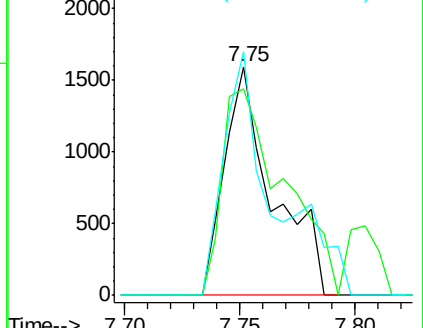
77 106.4 70.7 110.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#33

4-Chloroaniline

Concen: 0.062 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.05 min

Lab File: BF105177.D

Acq: 9 May 2018 6:29

Tgt Ion:127 Resp: 1163

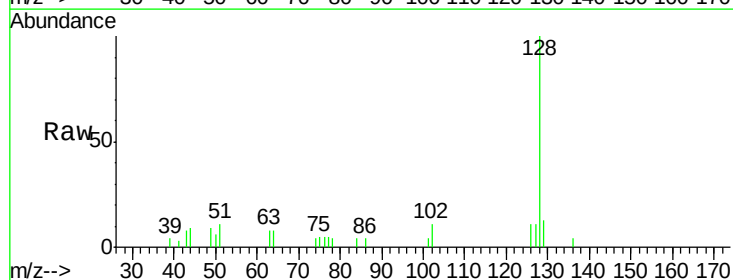
Ion Ratio Lower Upper

127 100

129 111.6 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#

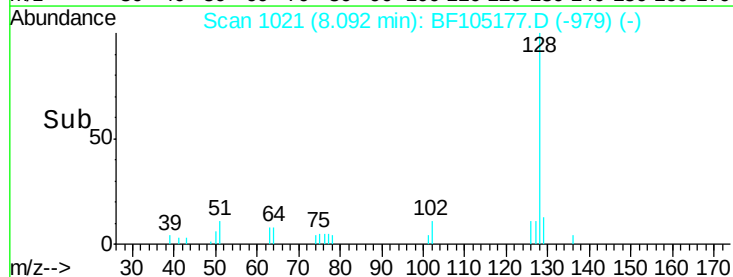
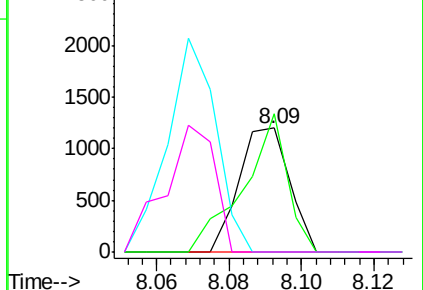


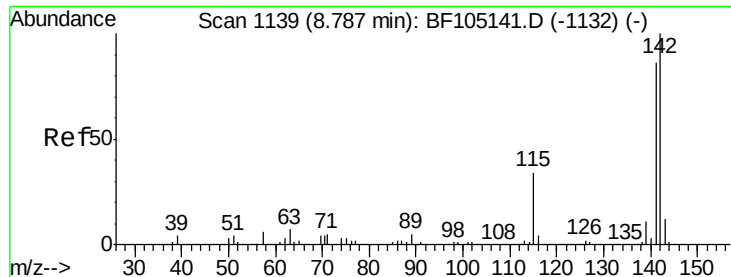
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

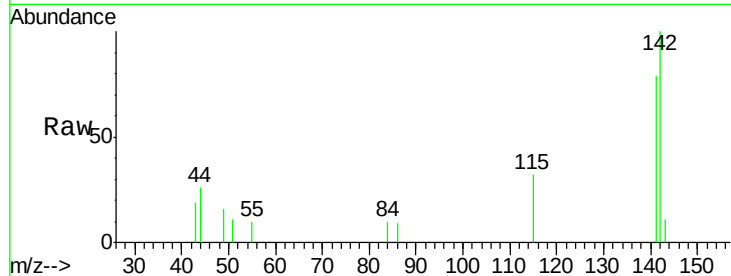




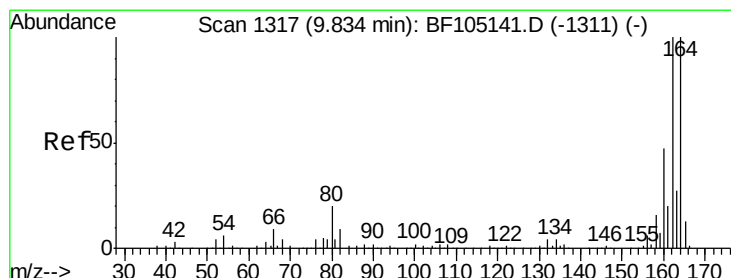
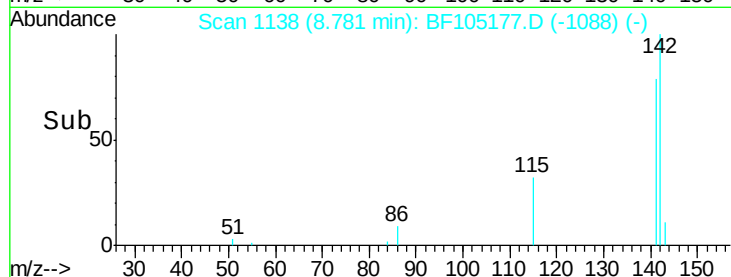
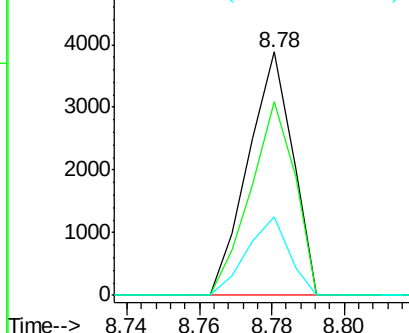
#37
 2-Methylnaphthalene
 Concen: 0.105 ng
 RT: 8.78 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: BF105177.D
 Acq: 9 May 2018 6:29

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:142 Resp: 3303
 Ion Ratio Lower Upper
 142 100
 141 79.4 70.8 106.2
 115 32.3 26.1 39.1

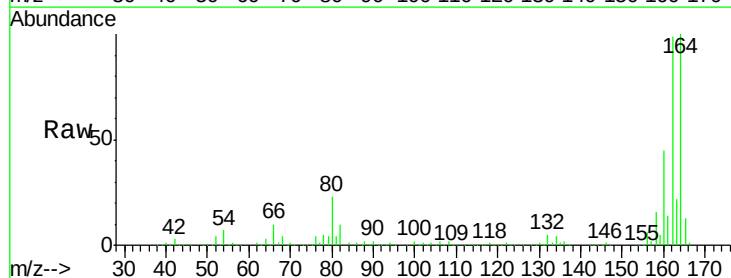


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

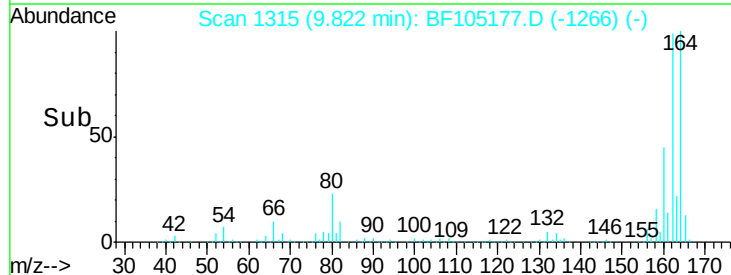
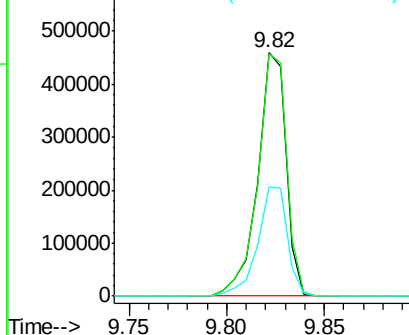


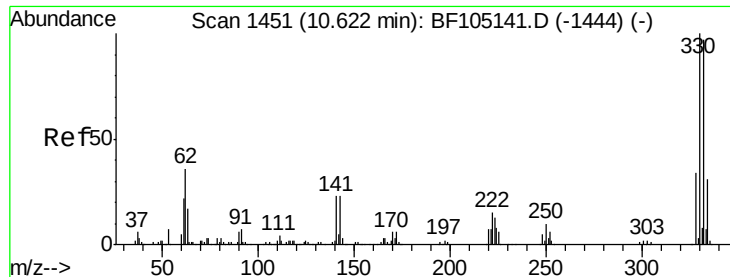
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: BF105177.D
 Acq: 9 May 2018 6:29

Tgt Ion:164 Resp: 463362
 Ion Ratio Lower Upper
 164 100
 162 99.5 86.1 129.1
 160 45.0 38.3 57.5



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

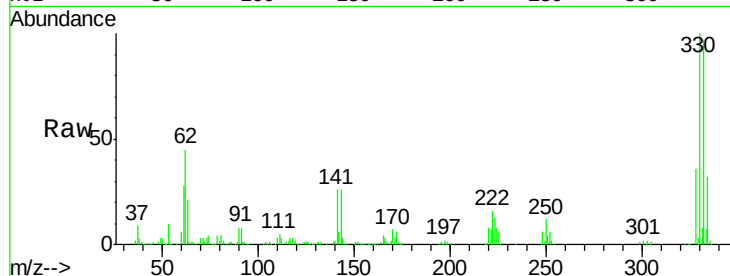




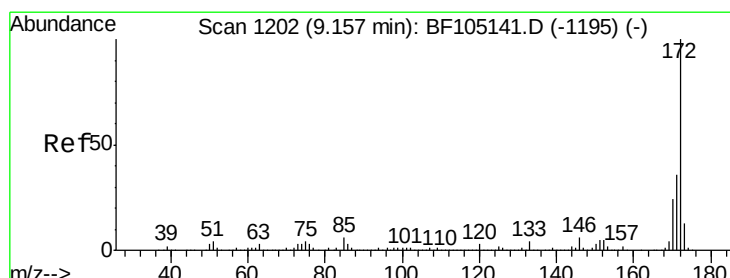
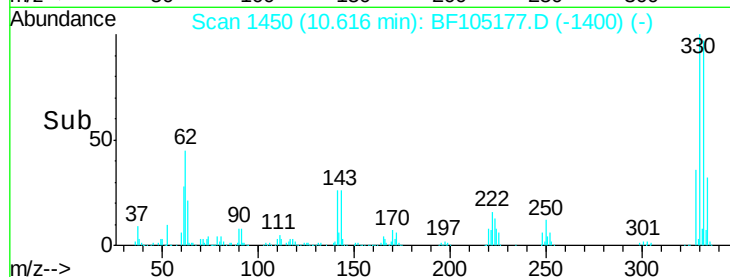
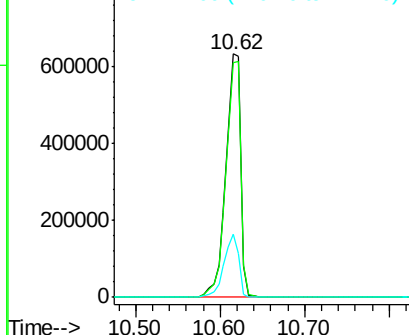
#41
 2,4,6-Tribromophenol
 Concen: 149.137 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF105177.D
 Acq: 9 May 2018 6:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 762410
 Ion Ratio Lower Upper
 330 100
 332 97.2 77.0 115.6
 141 26.1 29.9 44.9#

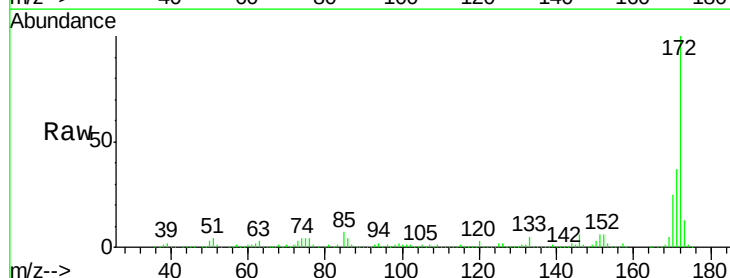


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

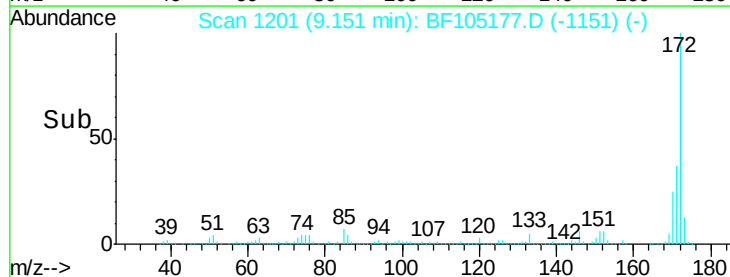
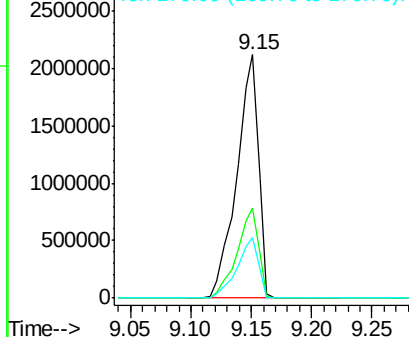


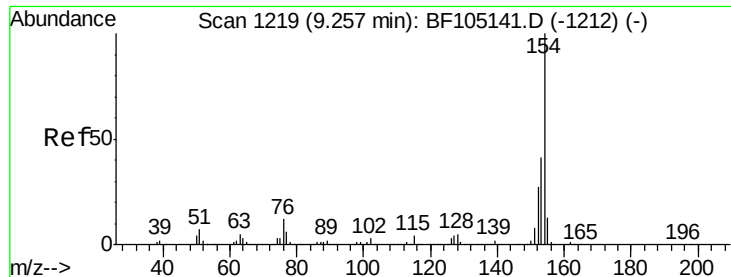
#44
 2-Fluorobiphenyl
 Concen: 88.968 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF105177.D
 Acq: 9 May 2018 6:29

Tgt Ion:172 Resp: 2656019
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.7 44.5
 170 24.9 19.6 29.4



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

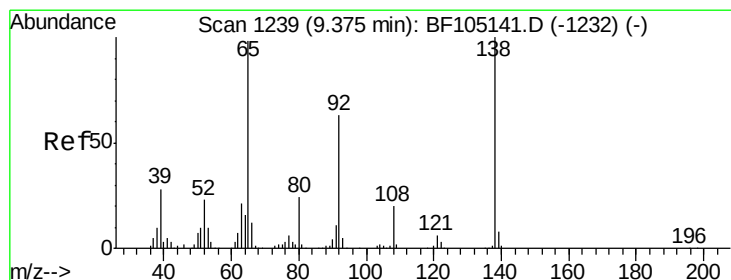
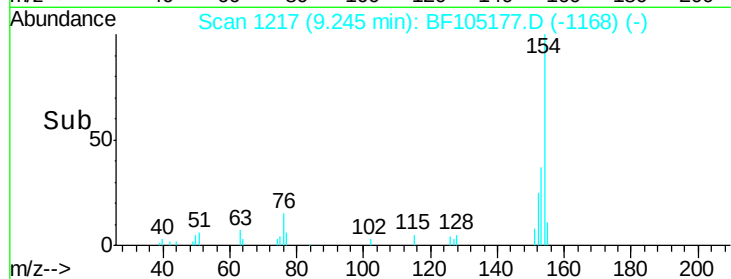
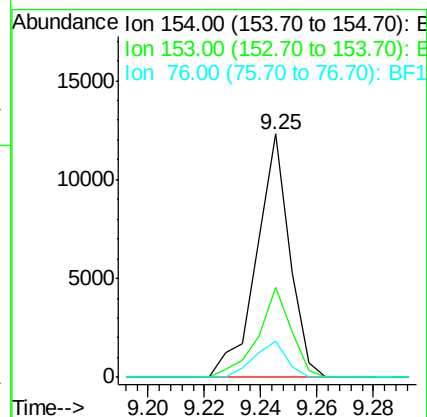
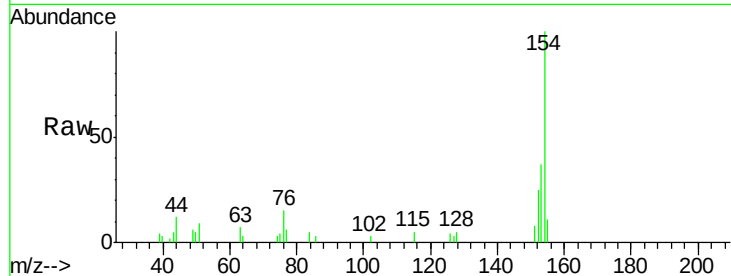




#45
1,1'-Biphenyl
Concen: 0.264 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.01 min
Lab File: BF105177.D
Acq: 9 May 2018 6:29

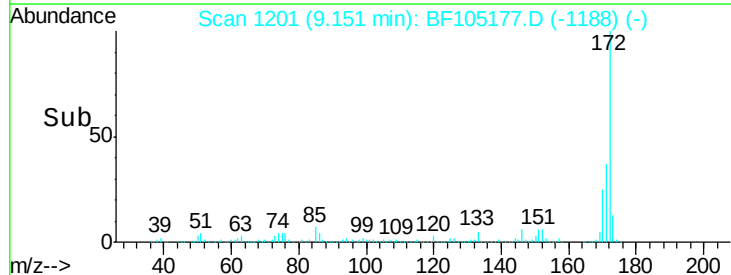
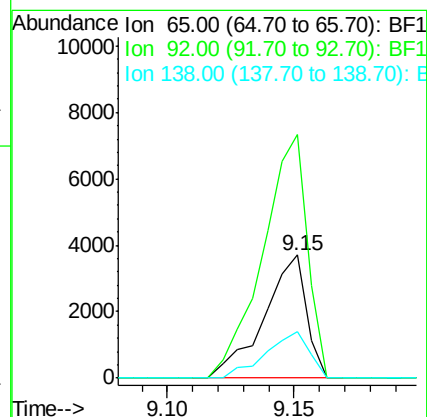
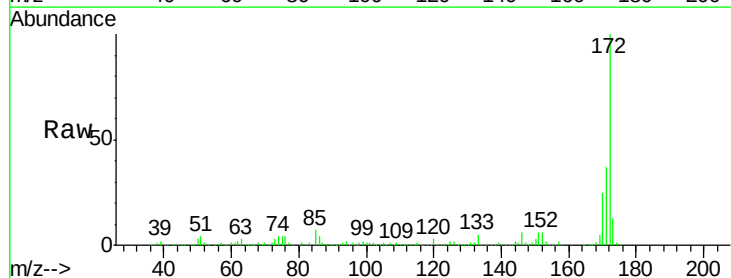
Instrument :
BNA_F
ClientSampleId :

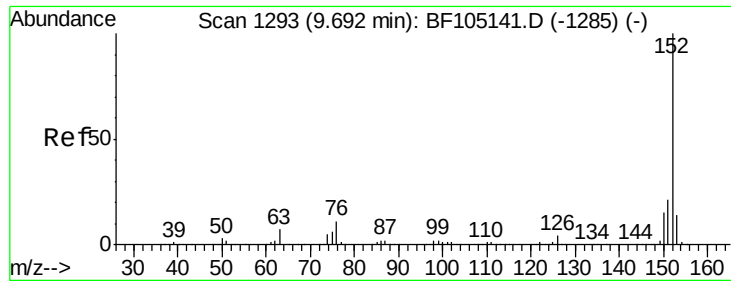
Tot Ion	Ratio	Lower	Upper
154	100		
153	37.0	21.3	61.3
76	15.1	0.0	34.0



#47
2-Nitroaniline
Concen: 6.271 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.22 min
Lab File: BF105177.D
Acq: 9 May 2018 6:29

Tgt Ion	Ratio	Lower	Upper
65	100		
92	198.0	55.8	83.6#
138	37.3	91.2	136.8#





#48

Acenaphthylene

Concen: 0.003 ng

RT: 9.68 min Scan# 1291

Delta R.T. -0.01 min

Lab File: BF105177.D

Acq: 9 May 2018 6:29

Instrument :

BNA_F

ClientSampleId :

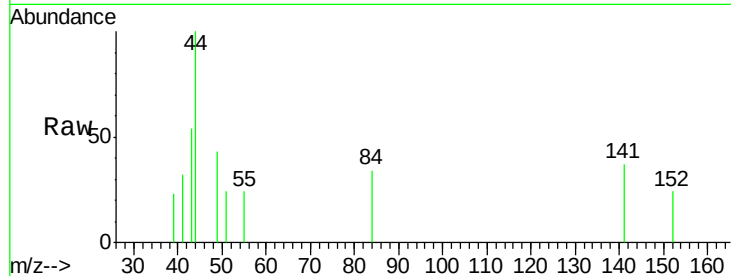
Tot Ion:152 Resp: 131

Ion Ratio Lower Upper

152 100

151 0.0 16.3 24.5#

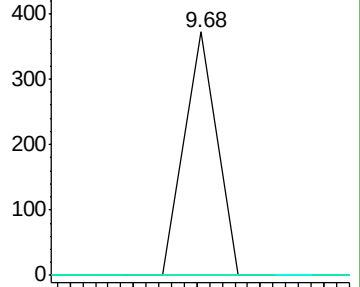
153 0.0 10.7 16.1#



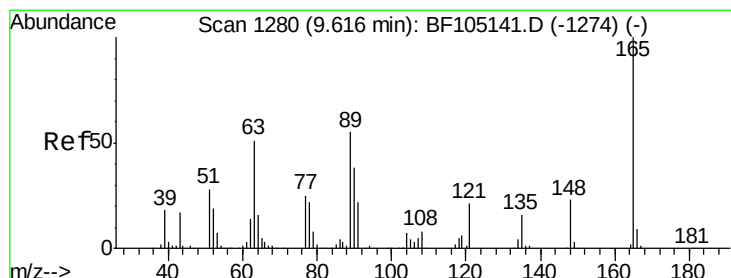
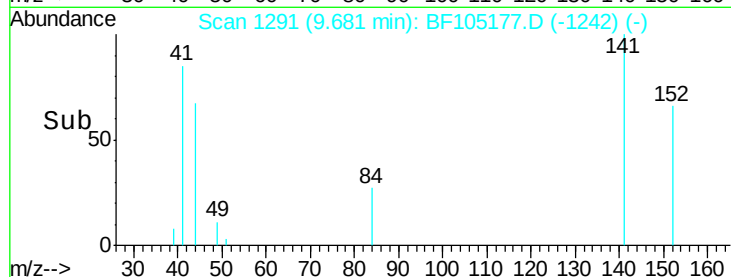
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->



#50

2,6-Dinitrotoluene

Concen: 8.715 ng

RT: 9.82 min Scan# 1315

Delta R.T. 0.21 min

Lab File: BF105177.D

Acq: 9 May 2018 6:29

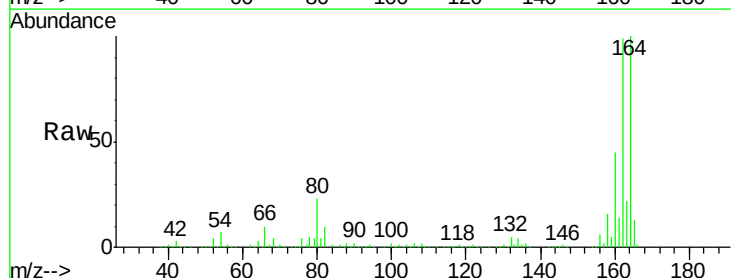
Tgt Ion:165 Resp: 59317

Ion Ratio Lower Upper

165 100

63 1.9 44.7 67.1#

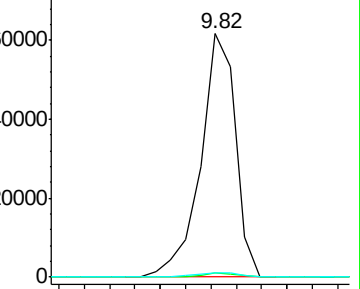
89 1.5 44.0 66.0#



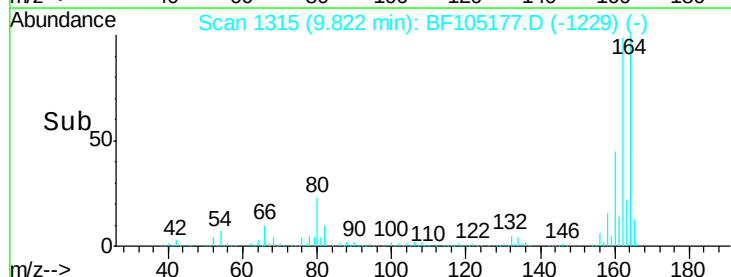
Abundance Ion 165.00 (164.70 to 165.70): E

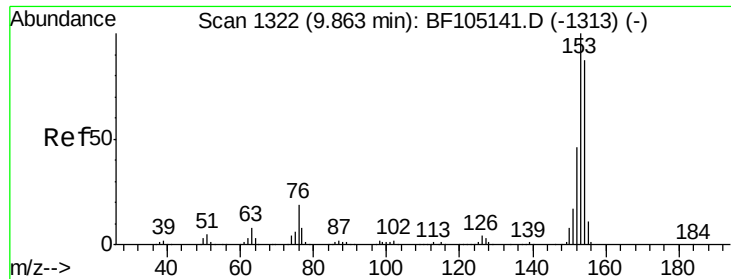
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



Time-->





#51

Acenaphthene

Concen: 0.059 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF105177.D

Acq: 9 May 2018 6:29

Instrument :

BNA_F

ClientSampleId :

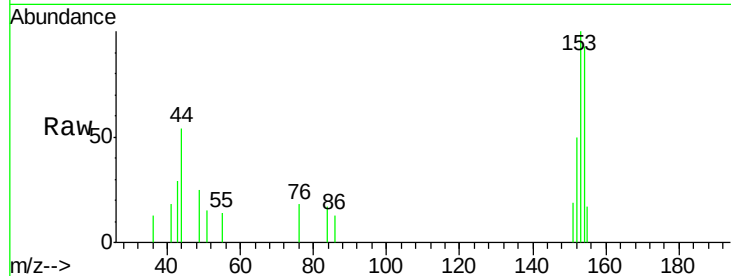
Tot Ion:154 Resp: 1671

Ion Ratio Lower Upper

154 100

153 107.6 91.2 136.8

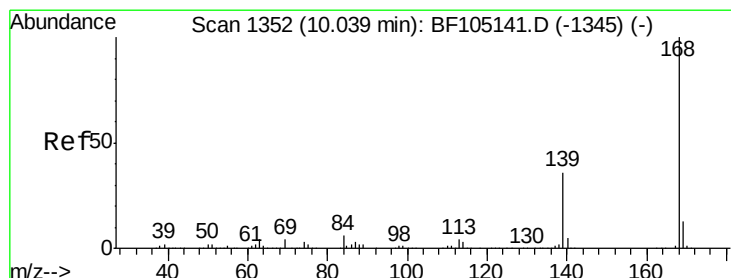
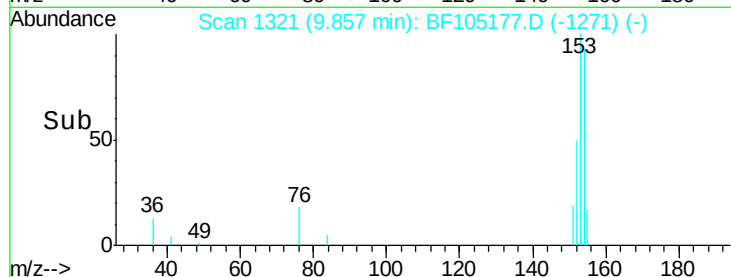
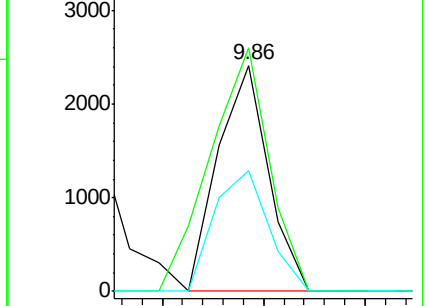
152 53.4 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 0.042 ng

RT: 10.03 min Scan# 1350

Delta R.T. -0.01 min

Lab File: BF105177.D

Acq: 9 May 2018 6:29

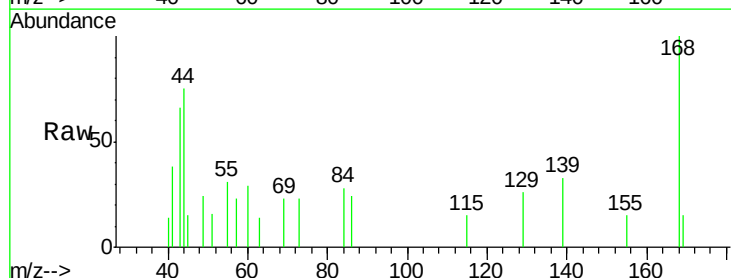
Tgt Ion:168 Resp: 1736

Ion Ratio Lower Upper

168 100

139 32.9 30.1 45.1

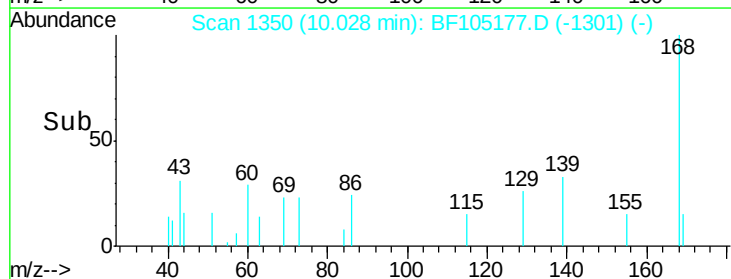
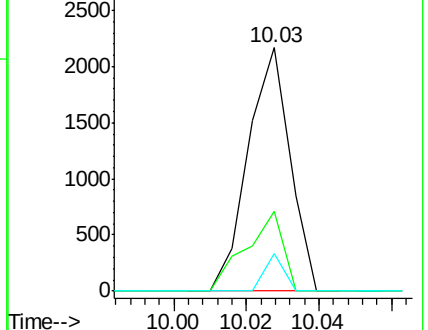
169 15.2 10.9 16.3

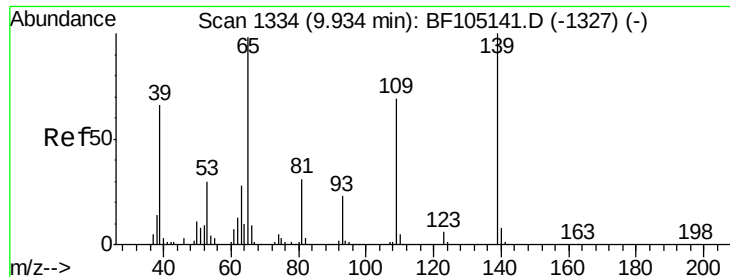


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 4.374 ng

RT: 10.03 min Scan# 1350

Delta R.T. 0.09 min

Lab File: BF105177.D

Acq: 9 May 2018 6:29

Instrument :

BNA_F

ClientSampled :

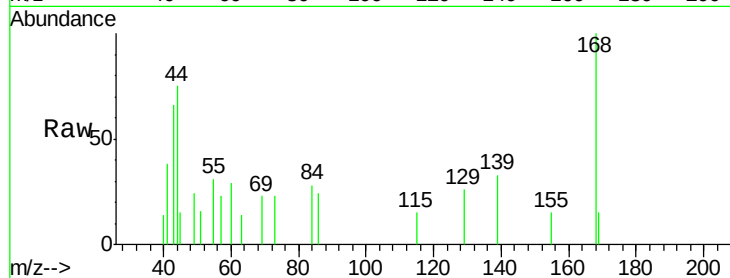
Tot Ion:139 Resp: 501

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

65 0.0 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

10.03

800

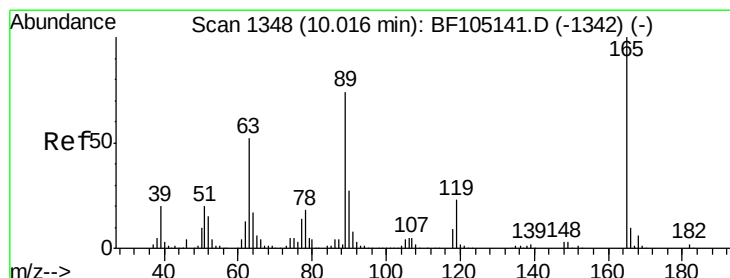
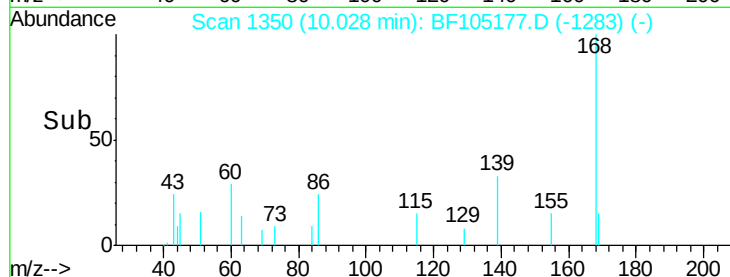
600

400

200

0

Time-->



#56

2,4-Dinitrotoluene

Concen: 9.670 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.19 min

Lab File: BF105177.D

Acq: 9 May 2018 6:29

Tgt Ion:165 Resp: 59317

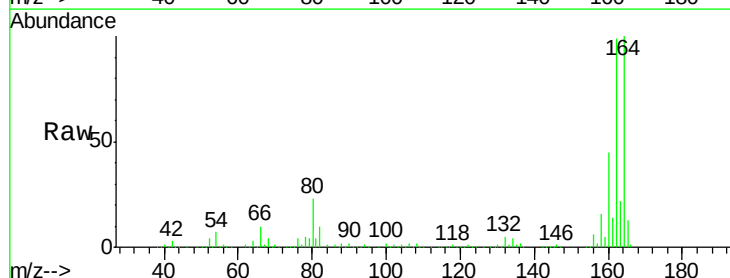
Ion Ratio Lower Upper

165 100

63 1.9 36.4 54.6#

89 1.5 57.8 86.6#

182 0.0 1.6 2.4#



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

9.82

80000

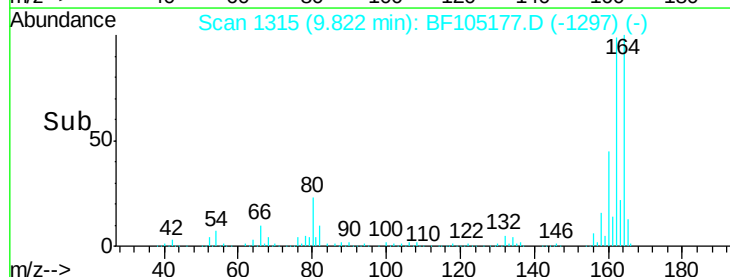
60000

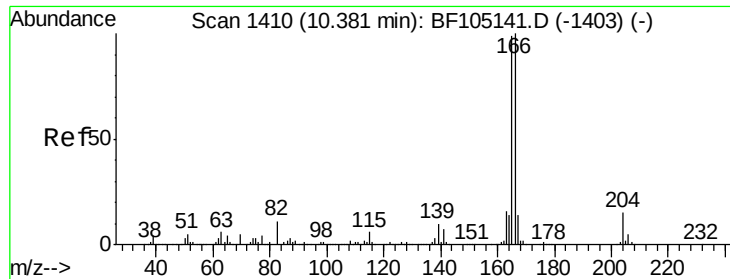
40000

20000

0

Time-->

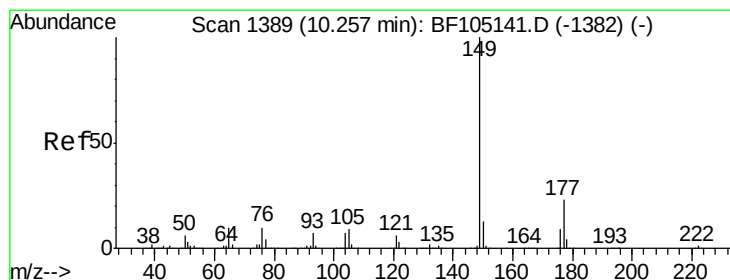
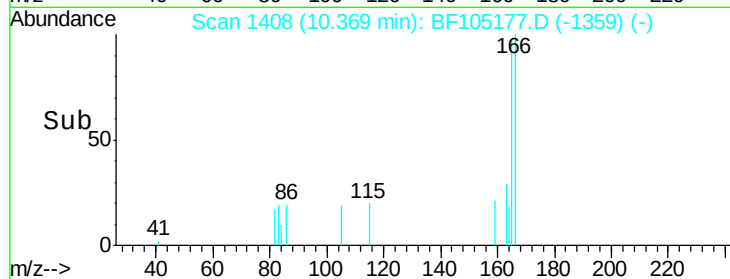
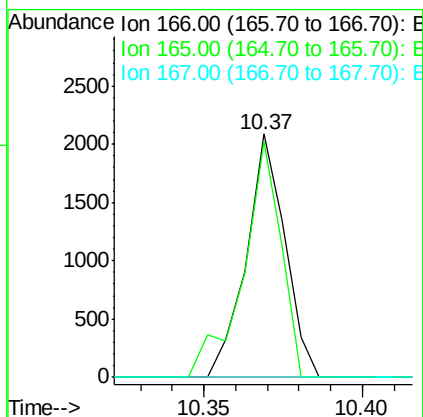
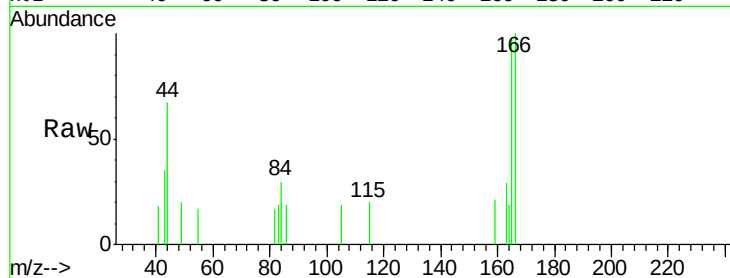




#57
Fluorene
Concen: 0.059 ng
RT: 10.37 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BF105177.D
Acq: 9 May 2018 6:29

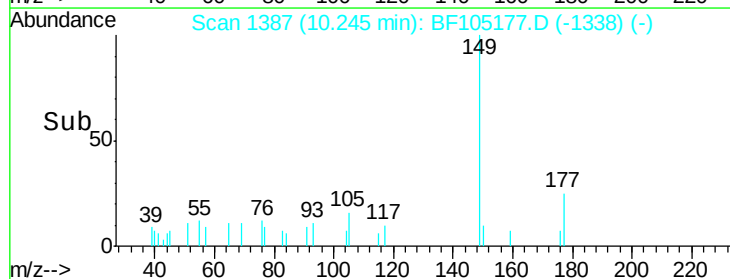
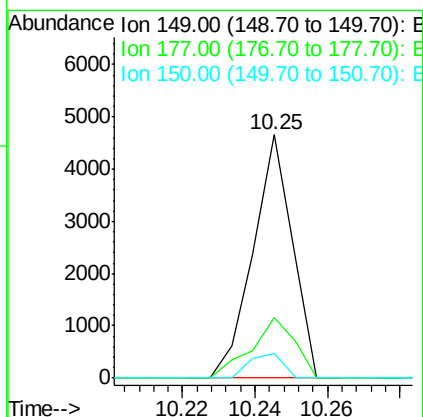
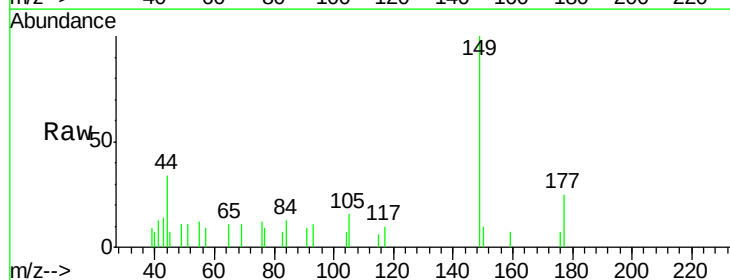
Instrument :
BNA_F
ClientSampleId :

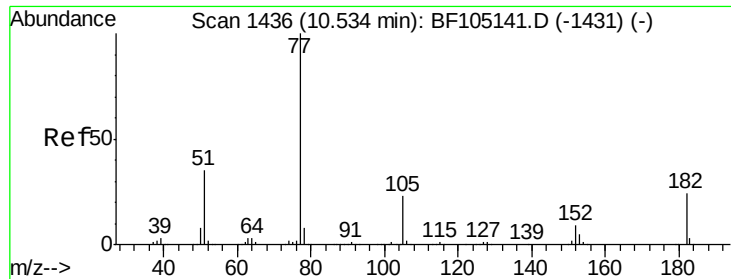
Tot Ion:166 Resp: 1770
Ion Ratio Lower Upper
166 100
165 97.2 79.8 119.8
167 0.0 10.6 16.0#



#59
Diethylphthalate
Concen: 0.113 ng
RT: 10.25 min Scan# 1387
Delta R.T. -0.01 min
Lab File: BF105177.D
Acq: 9 May 2018 6:29

Tgt Ion:149 Resp: 3481
Ion Ratio Lower Upper
149 100
177 25.1 16.1 24.1#
150 10.1 10.1 15.1#





#62

Azobenzene

Concen: 0.004 ng

RT: 10.52 min Scan# 1433

Delta R.T. -0.02 min

Lab File: BF105177.D

Acq: 9 May 2018 6:29

Instrument :

BNA_F

ClientSampled :

Tot Ion: 77 Resp: 115

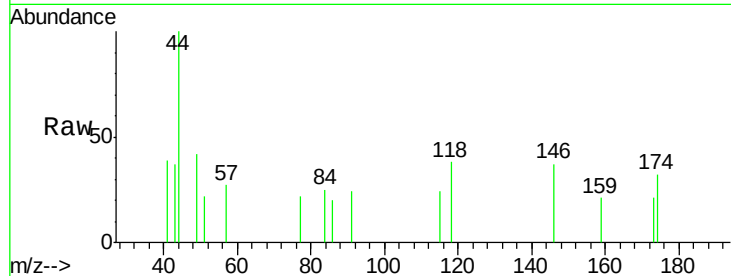
Ion Ratio Lower Upper

77 100

182 0.0 1.7 41.7#

105 0.0 3.0 43.0#

51 102.2 9.9 49.9#

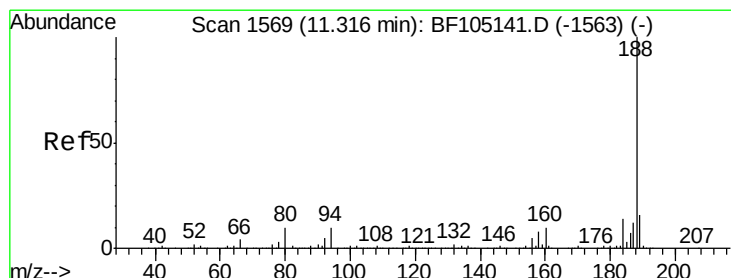
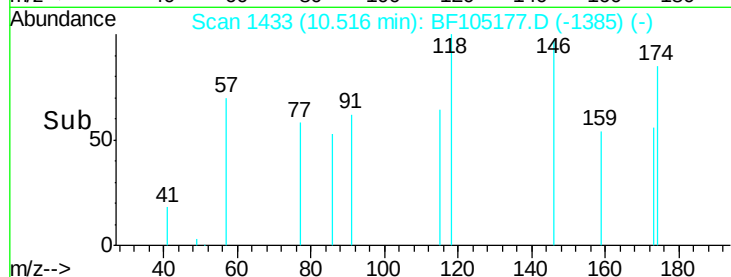
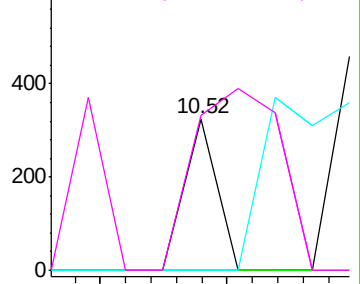


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF105177.D

Acq: 9 May 2018 6:29

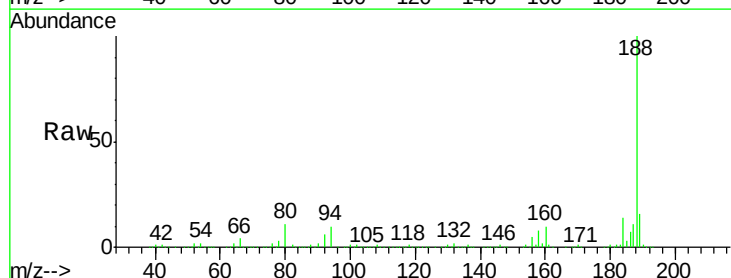
Tgt Ion: 188 Resp: 914244

Ion Ratio Lower Upper

188 100

94 9.6 8.5 12.7

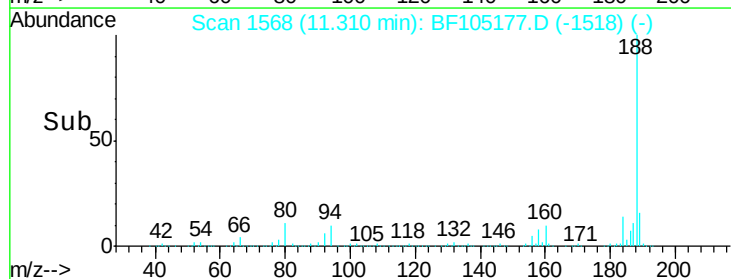
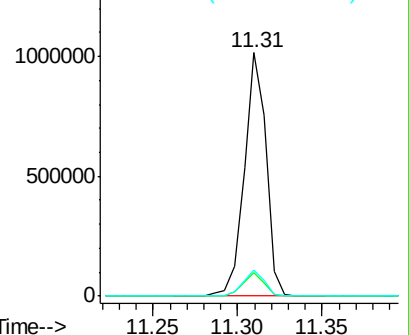
80 10.6 9.2 13.8

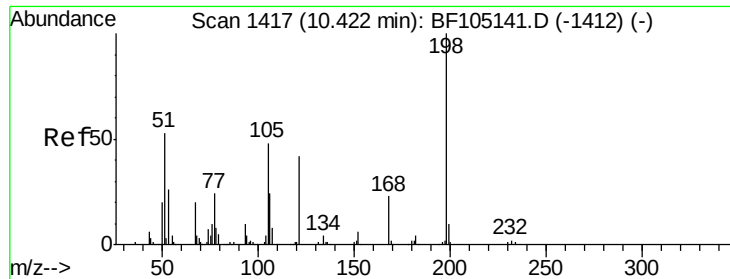


Abundance Ion 188.00 (187.70 to 188.70): E

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: 9.259 ng

RT: 10.62 min Scan# 1450

Delta R.T. 0.19 min

Lab File: BF105177.D

Acq: 9 May 2018 6:29

Instrument :

BNA_F

ClientSampleId :

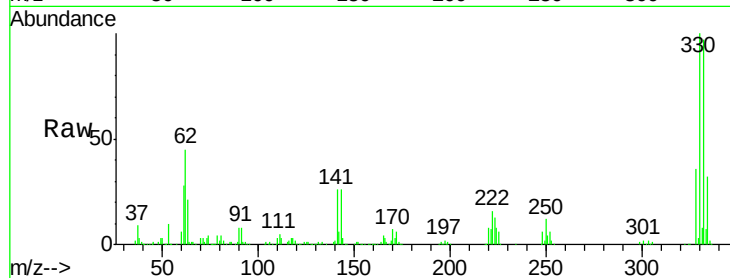
Tot Ion:198 Resp: 1612

Ion Ratio Lower Upper

198 100

51 168.1 37.7 77.7#

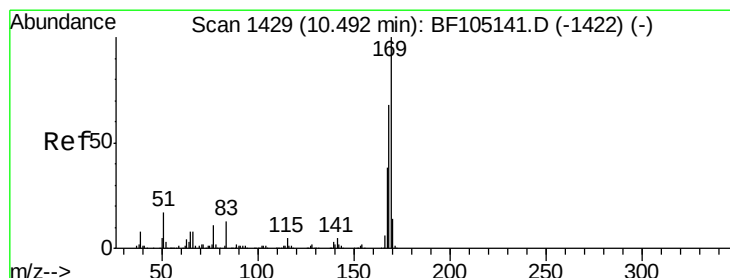
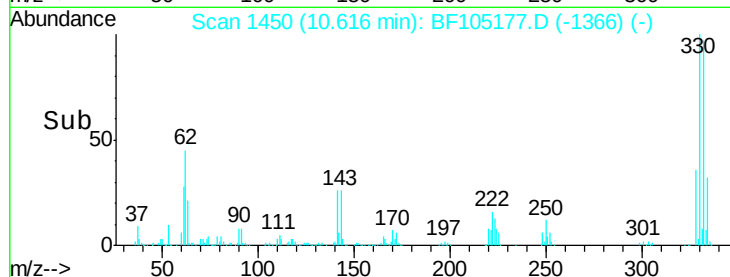
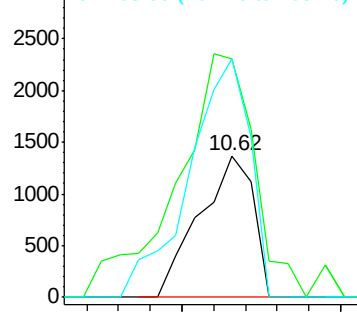
105 168.8 36.3 76.3#



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



#65

n-Nitrosodiphenylamine

Concen: 0.695 ng

RT: 10.62 min Scan# 1450

Delta R.T. 0.12 min

Lab File: BF105177.D

Acq: 9 May 2018 6:29

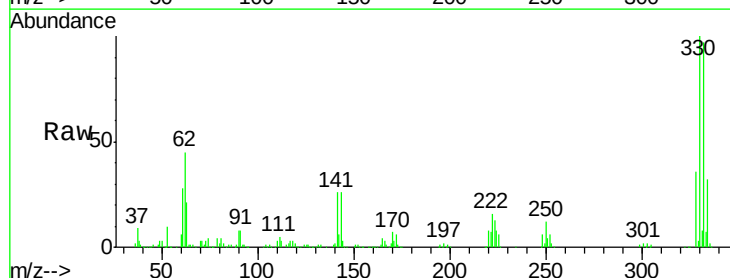
Tgt Ion:169 Resp: 19816

Ion Ratio Lower Upper

169 100

168 7.6 54.4 81.6#

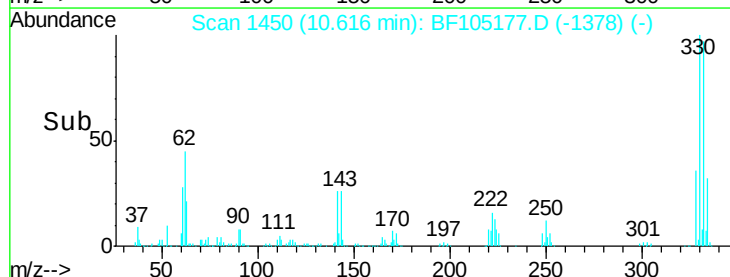
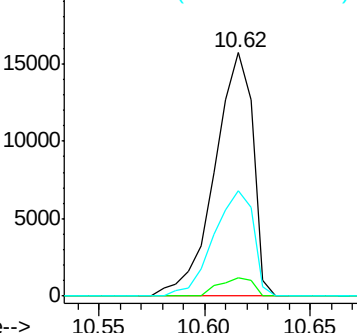
167 43.4 29.8 44.6

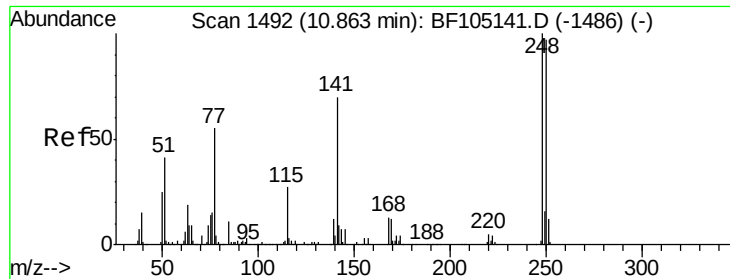


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

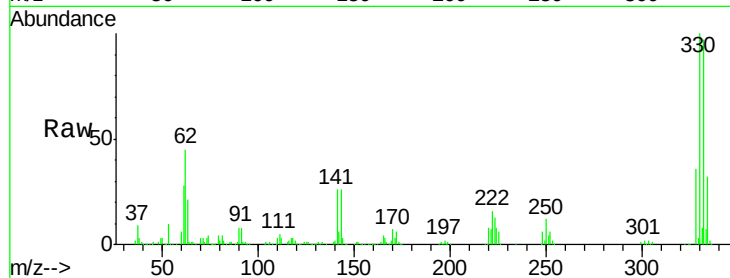




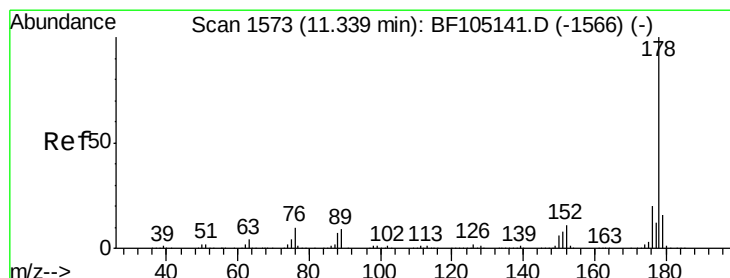
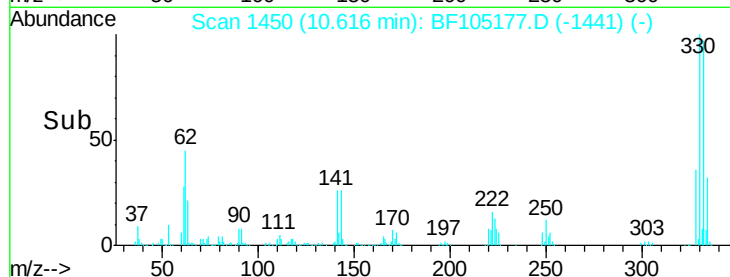
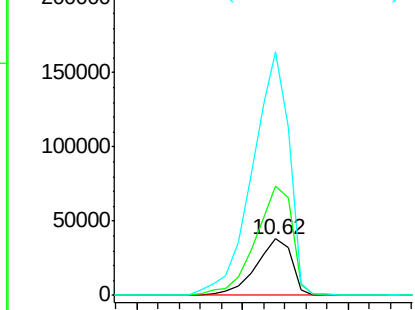
#66
 4-Bromophenyl-phenylether
 Concen: 4.620 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.25 min
 Lab File: BF105177.D
 Acq: 9 May 2018 6:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 45045
 Ion Ratio Lower Upper
 248 100
 250 194.1 76.9 115.3#
 141 433.6 74.4 111.6#

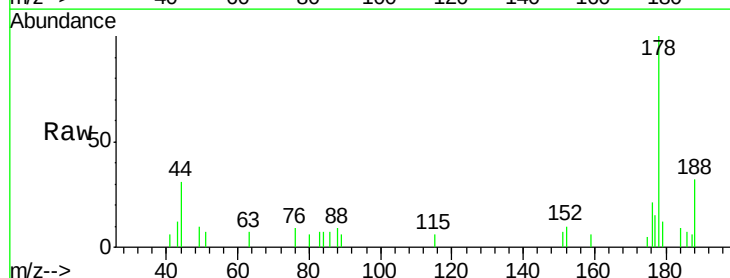


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

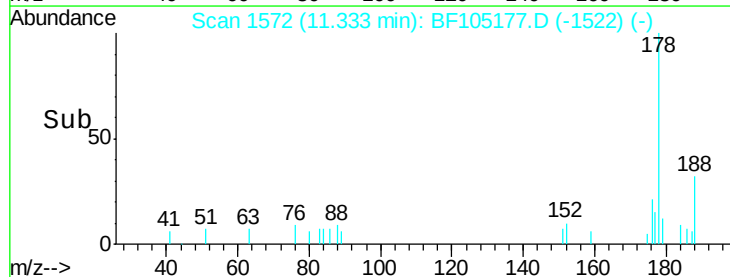
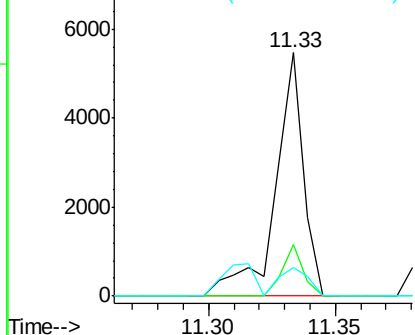


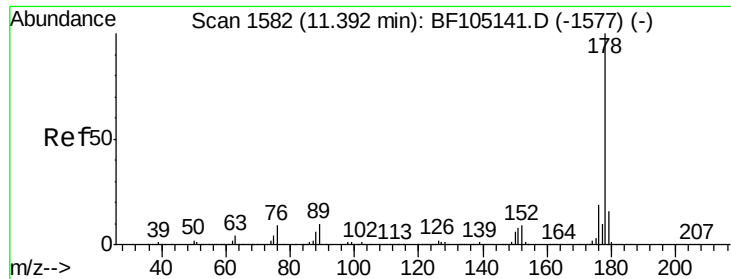
#70
 Phenanthrene
 Concen: 0.088 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF105177.D
 Acq: 9 May 2018 6:29

Tgt Ion:178 Resp: 4228
 Ion Ratio Lower Upper
 178 100
 176 21.3 15.8 23.8
 179 11.6 13.0 19.6#



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

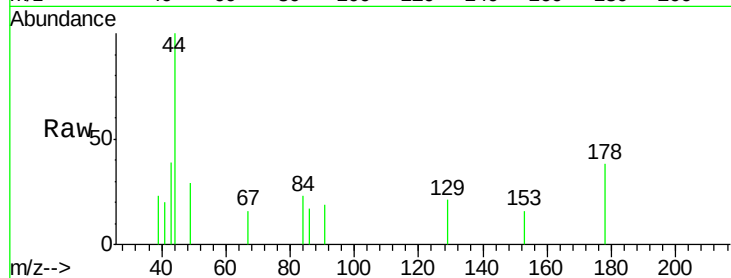




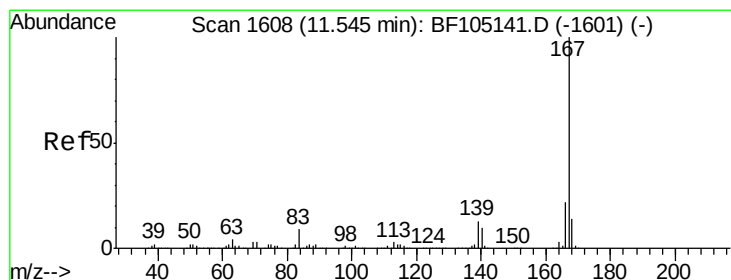
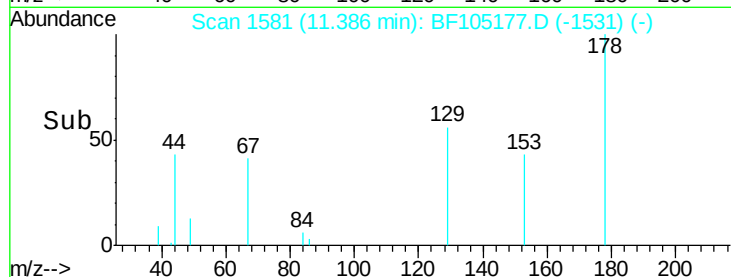
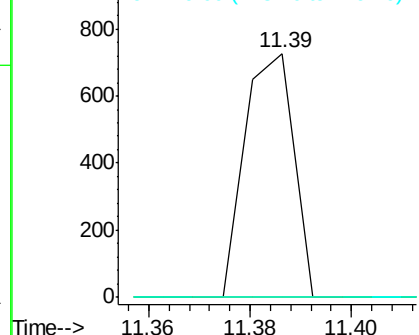
#71
 Anthracene
 Concen: 0.010 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF105177.D
 Acq: 9 May 2018 6:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 485
 Ion Ratio Lower Upper
 178 100
 176 0.0 15.4 23.2#
 179 0.0 12.6 19.0#

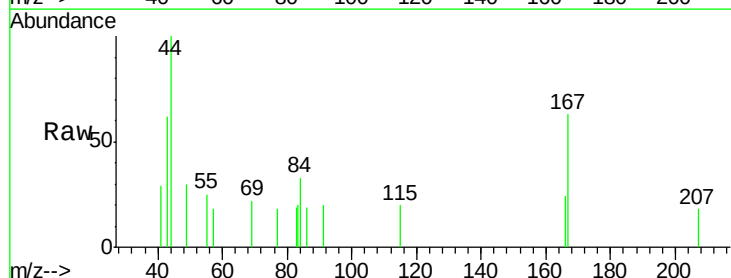


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

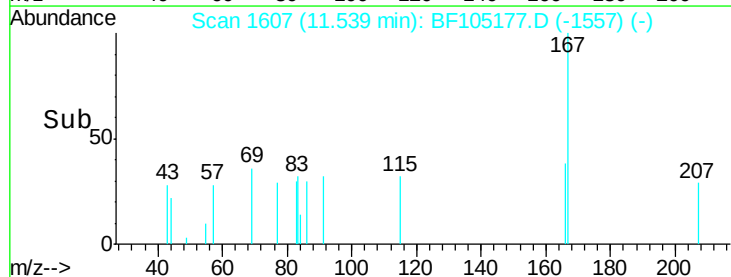
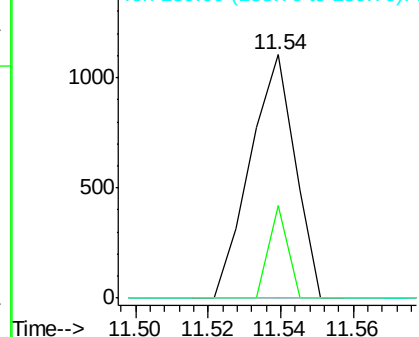


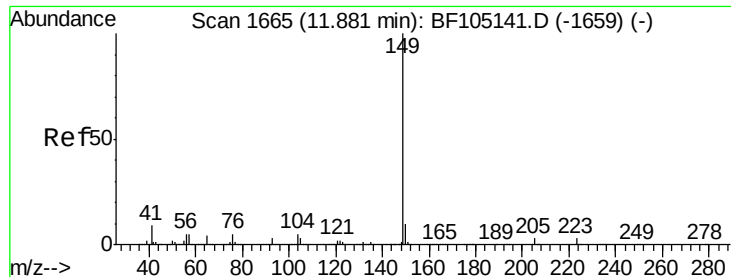
#72
 Carbazole
 Concen: 0.021 ng
 RT: 11.54 min Scan# 1607
 Delta R.T. -0.01 min
 Lab File: BF105177.D
 Acq: 9 May 2018 6:29

Tgt Ion:167 Resp: 946
 Ion Ratio Lower Upper
 167 100
 166 38.0 17.6 26.4#
 139 0.0 10.9 16.3#



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 0.073 ng

RT: 11.87 min Scan# 1664

Delta R.T. -0.01 min

Lab File: BF105177.D

Acq: 9 May 2018 6:29

Instrument :

BNA_F

ClientSampleId :

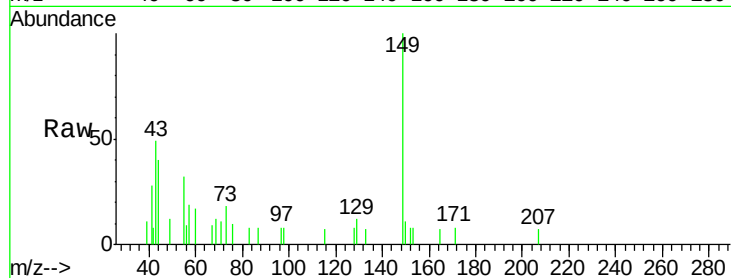
Tot Ion:149 Resp: 3444

Ion Ratio Lower Upper

149 100

150 11.5 7.8 11.6

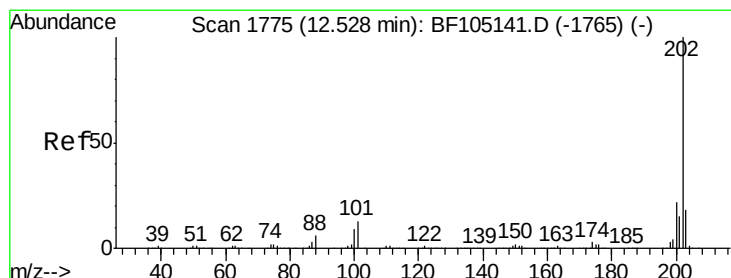
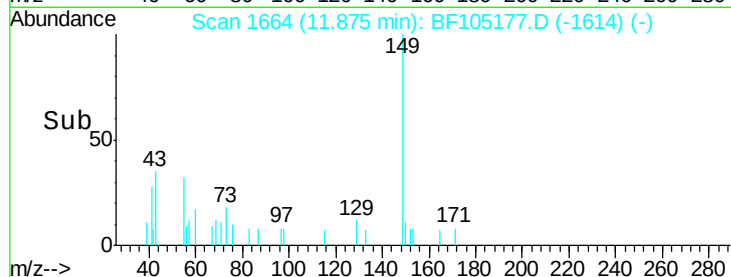
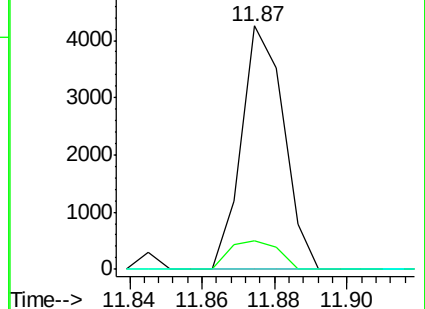
104 0.0 3.8 5.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 0.024 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF105177.D

Acq: 9 May 2018 6:29

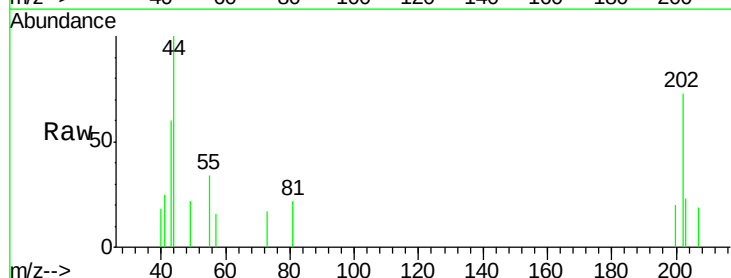
Tgt Ion:202 Resp: 1229

Ion Ratio Lower Upper

202 100

101 0.0 0.0 34.1

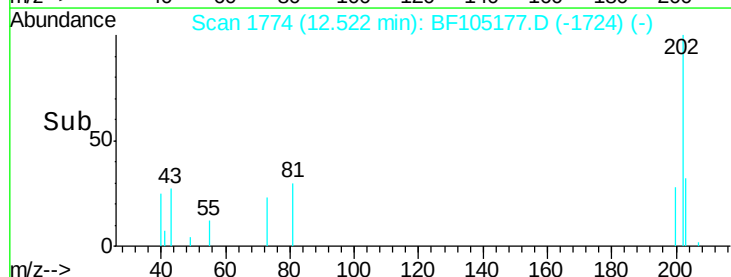
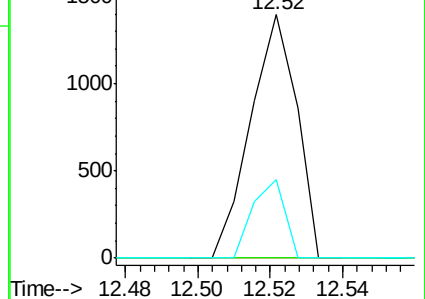
203 32.1 0.0 38.1

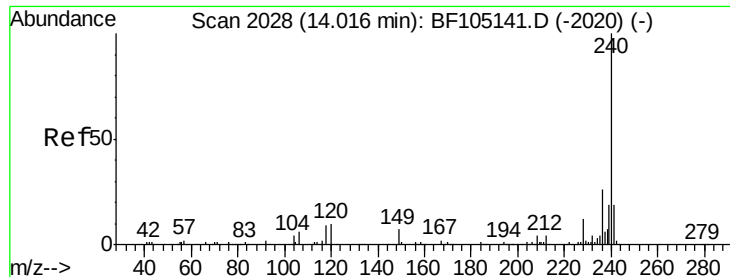


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF105177.D

Acq: 9 May 2018 6:29

Instrument :

BNA_F

ClientSampleId :

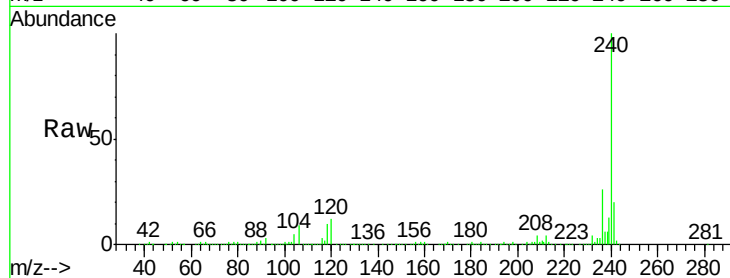
Tot Ion:240 Resp: 788398

Ion Ratio Lower Upper

240 100

120 12.0 9.5 14.3

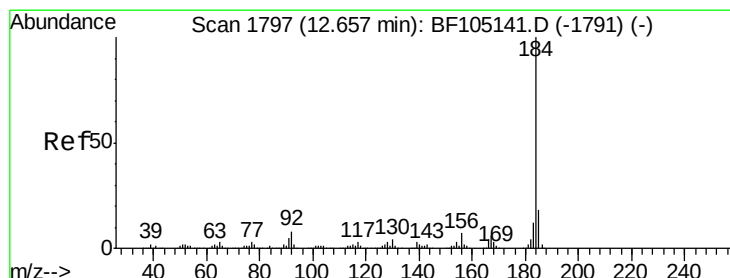
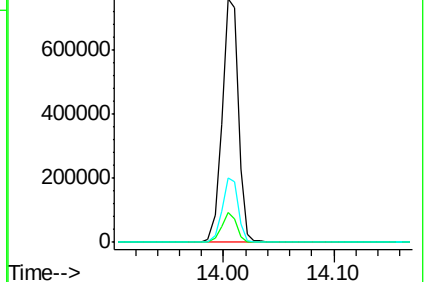
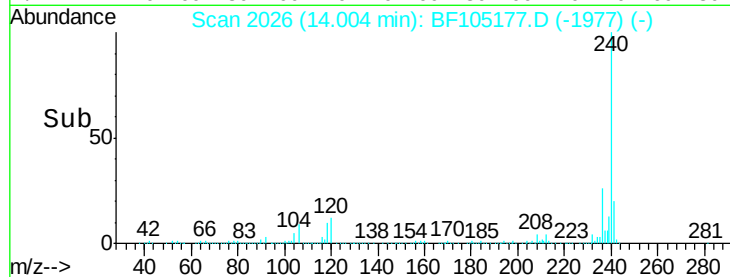
236 26.4 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 1.225 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.26 min

Lab File: BF105177.D

Acq: 9 May 2018 6:29

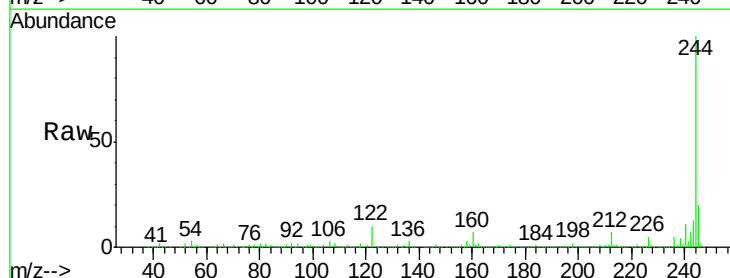
Tgt Ion:184 Resp: 36078

Ion Ratio Lower Upper

184 100

185 17.1 12.6 18.8

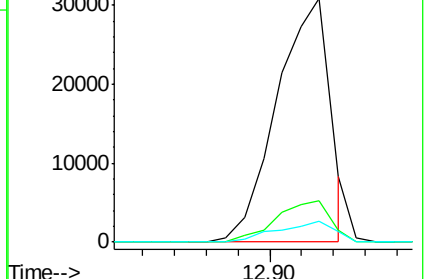
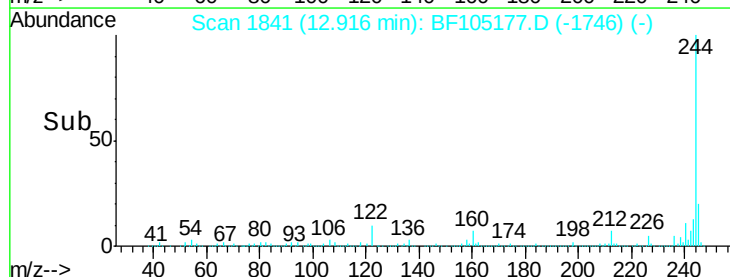
183 8.6 9.3 13.9#

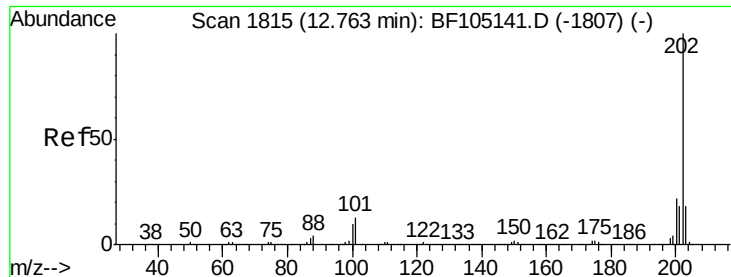


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 0.024 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.01 min

Lab File: BF105177.D

Acq: 9 May 2018 6:29

Instrument :

BNA_F

ClientSampleId :

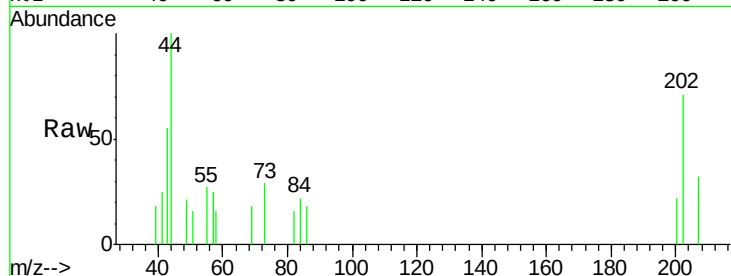
Tot Ion:202 Resp: 1395

Ion Ratio Lower Upper

202 100

200 30.6 17.4 26.2#

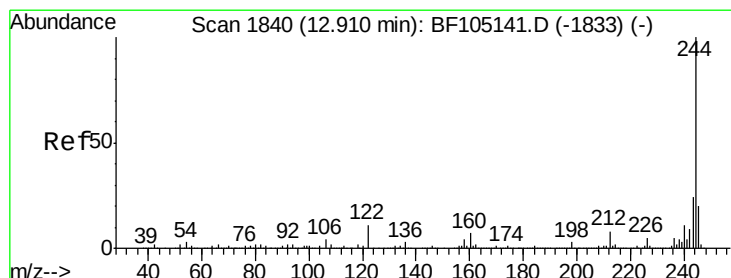
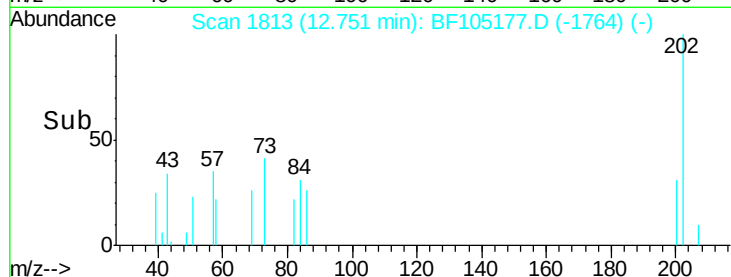
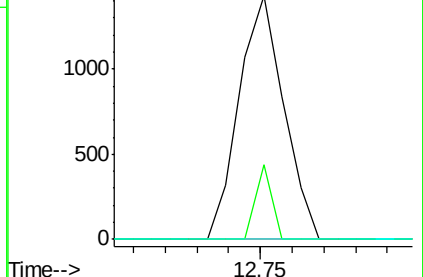
203 0.0 14.3 21.5#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 84.555 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.01 min

Lab File: BF105177.D

Acq: 9 May 2018 6:29

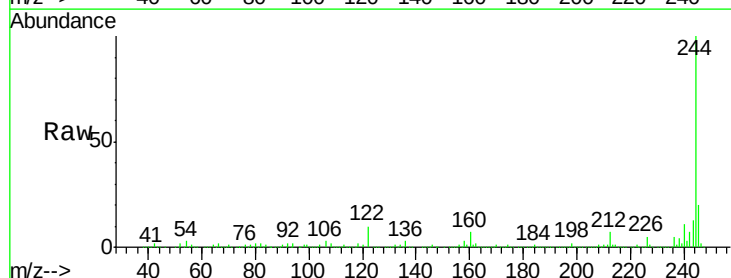
Tgt Ion:244 Resp: 2869850

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

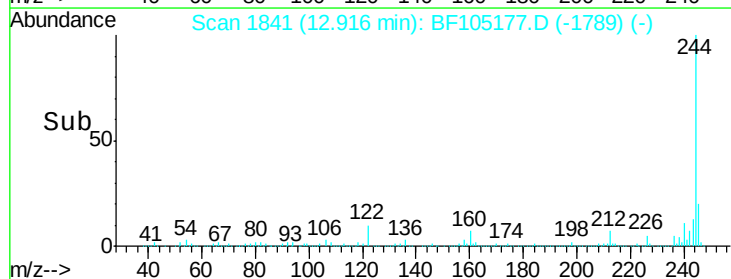
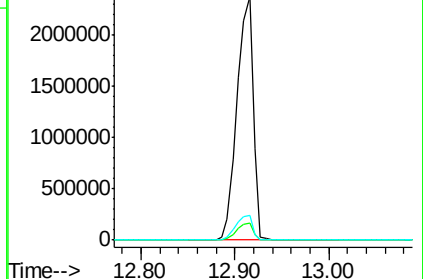
122 10.0 11.0 16.4#

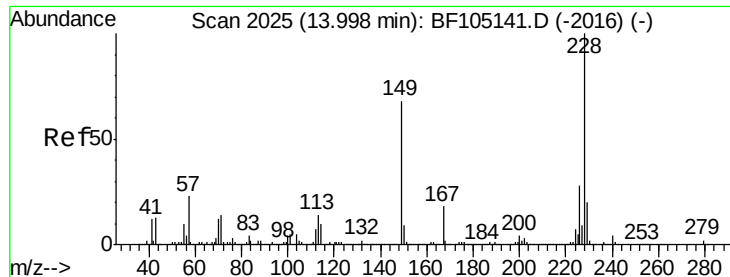


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 0.059 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.01 min

Lab File: BF105177.D

Acq: 9 May 2018 6:29

Instrument :

BNA_F

ClientSampleId :

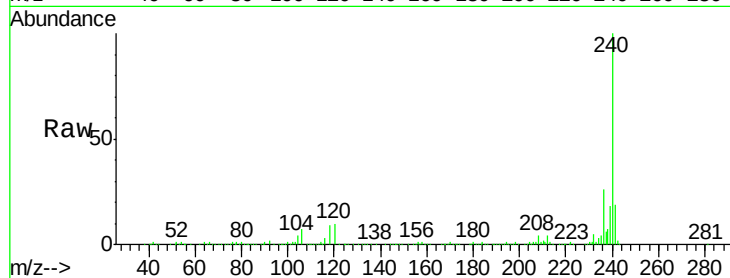
Tot Ion:228 Resp: 2831

Ion Ratio Lower Upper

228 100

226 0.0 22.6 33.8#

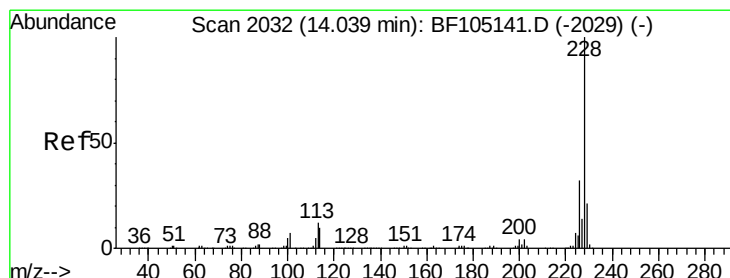
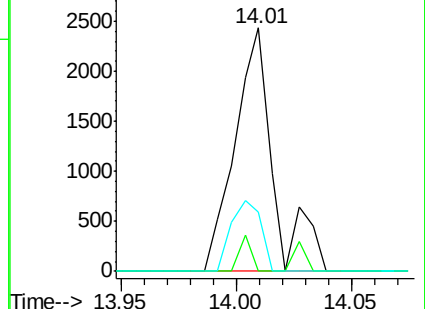
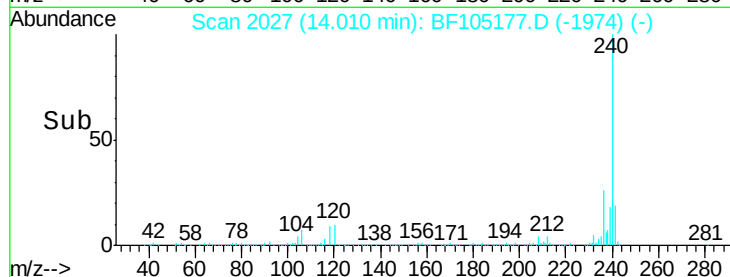
229 24.5 15.8 23.6#



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



#82

Chrysene

Concen: 0.057 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.03 min

Lab File: BF105177.D

Acq: 9 May 2018 6:29

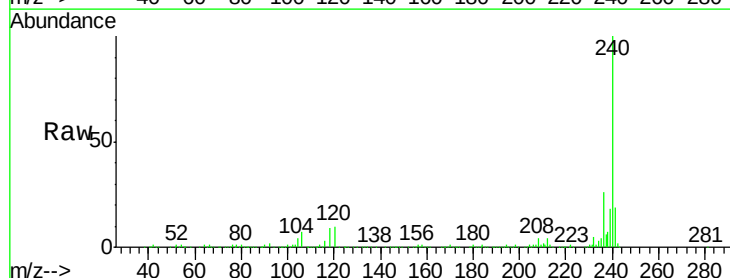
Tgt Ion:228 Resp: 2831

Ion Ratio Lower Upper

228 100

226 0.0 25.0 37.6#

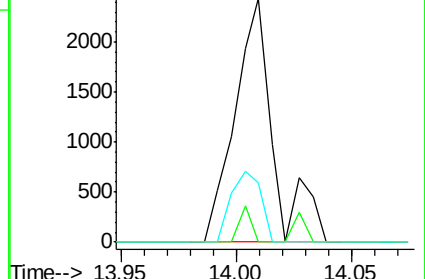
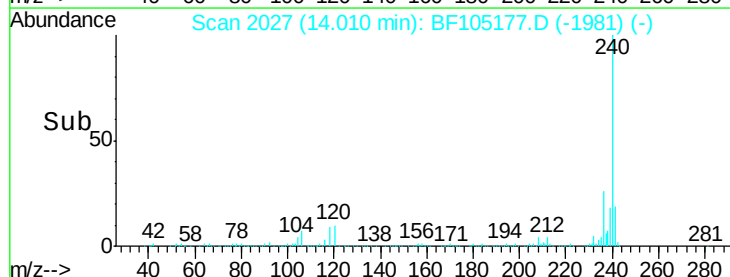
229 24.5 16.2 24.4#

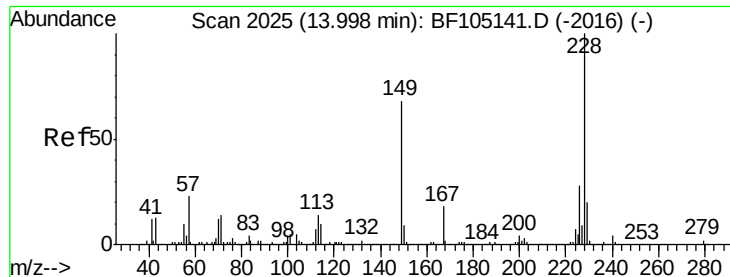


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

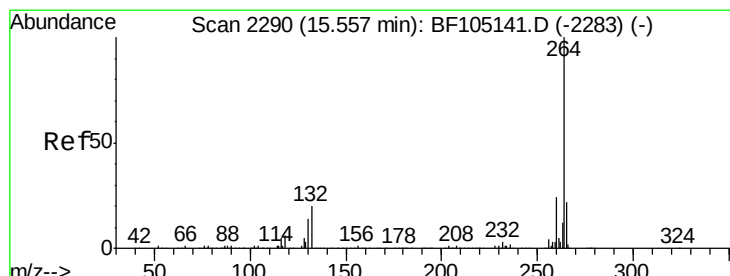
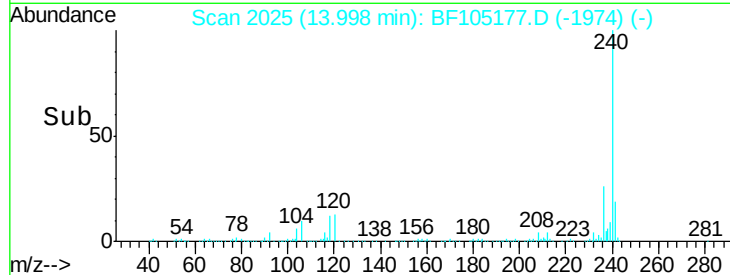
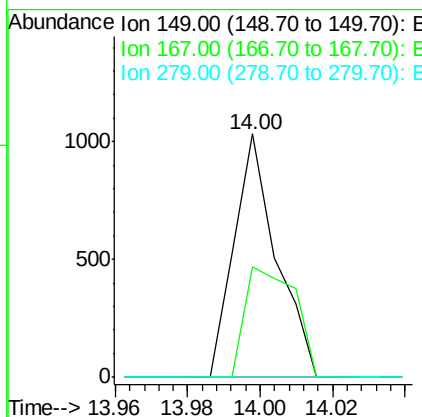
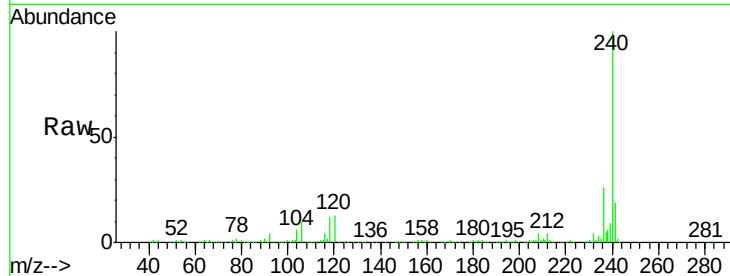




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.035 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.00 min
 Lab File: BF105177.D
 Acq: 9 May 2018 6:29

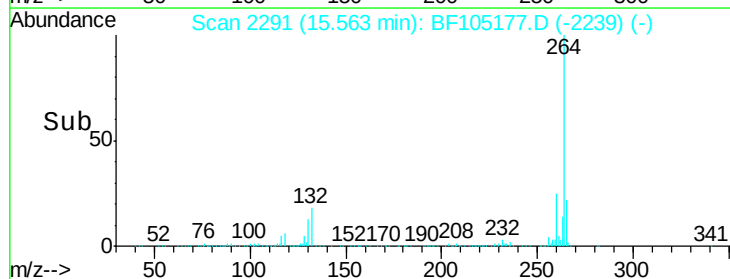
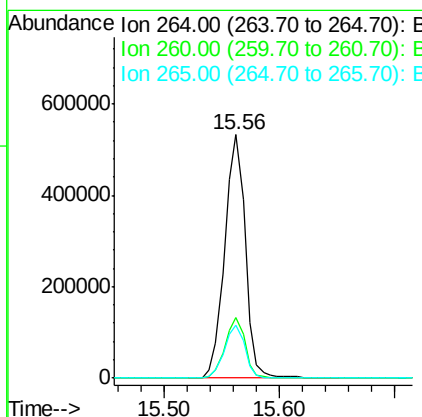
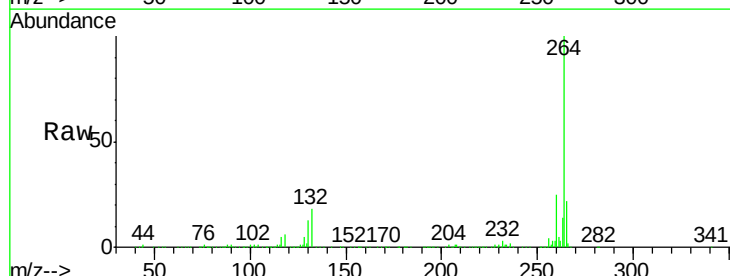
Instrument :
 BNA_F
 ClientSampleId :

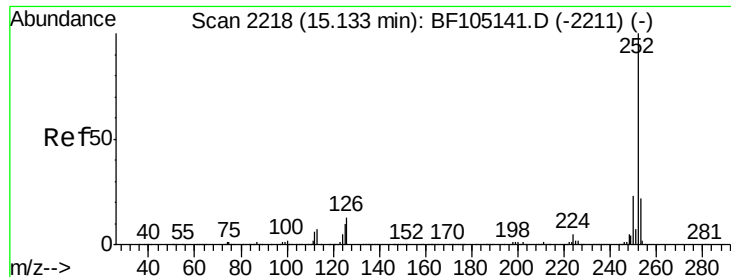
Tot Ion:	149	Resp:	837
Ion	Ratio	Lower	Upper
149	100		
167	45.6	21.3	31.9#
279	0.0	3.0	4.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.56 min Scan# 2291
 Delta R.T. 0.01 min
 Lab File: BF105177.D
 Acq: 9 May 2018 6:29

Tgt Ion:	264	Resp:	661264
Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.2	28.8
265	21.8	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 0.007 ng

RT: 15.13 min Scan# 2218

Delta R.T. -0.00 min

Lab File: BF105177.D

Acq: 9 May 2018 6:29

Instrument :

BNA_F

ClientSampleId :

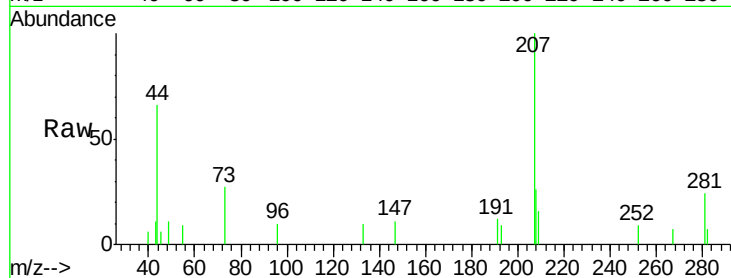
Tot Ion:252 Resp: 282

Ion Ratio Lower Upper

252 100

253 0.0 17.0 25.6#

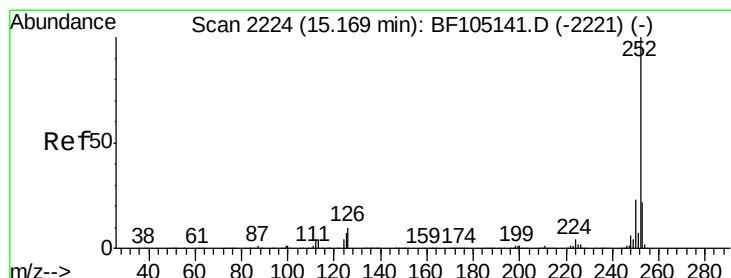
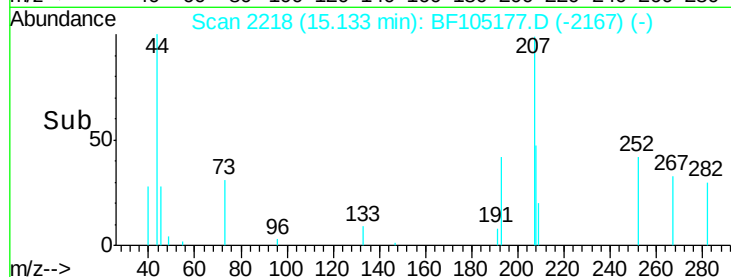
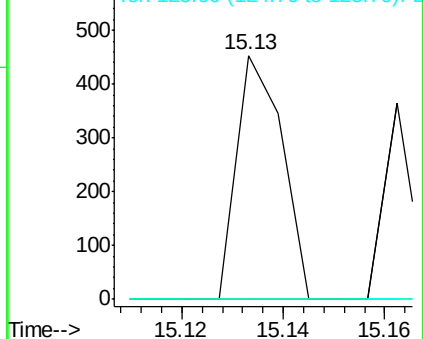
125 0.0 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 0.003 ng

RT: 15.16 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BF105177.D

Acq: 9 May 2018 6:29

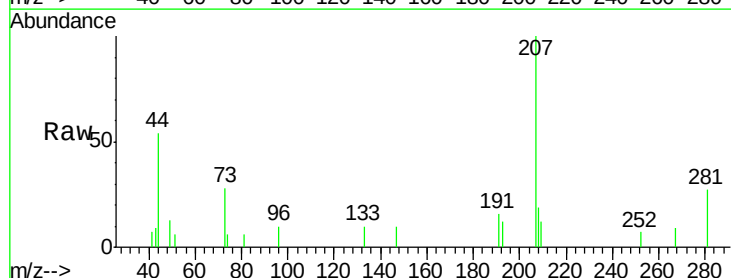
Tgt Ion:252 Resp: 128

Ion Ratio Lower Upper

252 100

253 0.0 17.9 26.9#

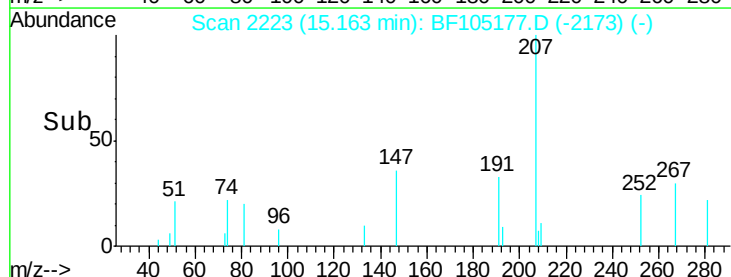
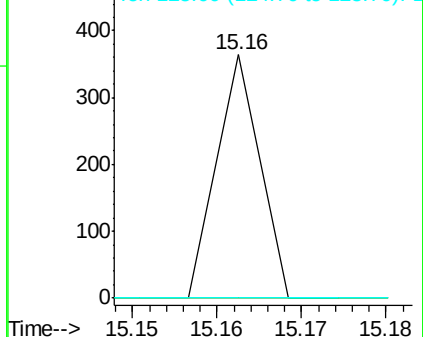
125 0.0 10.2 15.2#

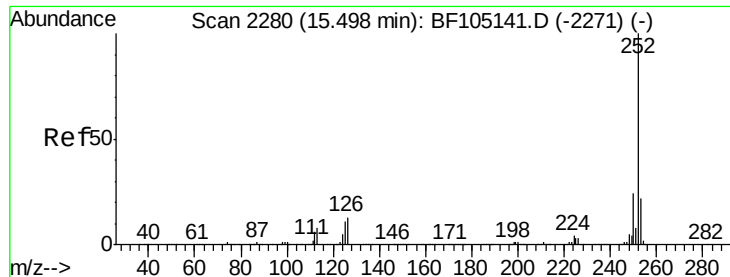


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 0.004 ng

RT: 15.49 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BF105177.D

Acq: 9 May 2018 6:29

Instrument :

BNA_F

ClientSampleId :

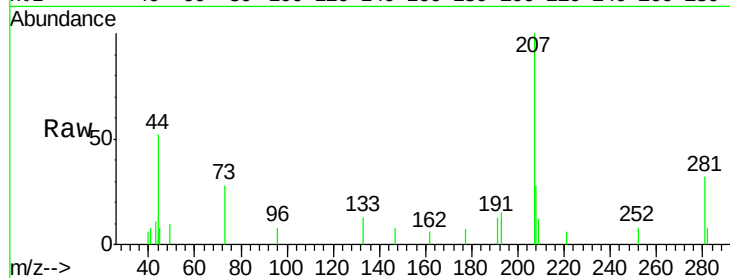
Tot Ion:252 Resp: 149

Ion Ratio Lower Upper

252 100

253 0.0 17.1 25.7#

125 0.0 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

