

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050818\
 Data File : BF105179.D
 Acq On : 9 May 2018 7:22
 Operator : JU/SJ
 Sample : J2680-06
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 09 11:42:05 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	228899	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	924236	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	449255	20.00	ng	-0.01
63) Phenanthrene-d10	11.31	188	890120	20.00	ng	0.00
75) Chrysene-d12	14.00	240	766511	20.00	ng	-0.01
86) Perylene-d12	15.56	264	662157	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	1647236	118.56	ng	0.02
7) Phenol-d6	6.42	99	1799063	108.74	ng	0.00
23) Nitrobenzene-d5	7.35	82	1431716	104.99	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	728427	146.96	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	2574613	88.95	ng	0.00
78) Terphenyl-d14	12.92	244	2785623	84.42	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.42	88	134	0.018	ng	# 1
4) n-Nitrosodimethylamine	3.22	42	774	0.078	ng	# 1
6) Aniline	6.56	93	2428	0.100	ng	# 1
8) 2-Chlorophenol	6.57	128	971	0.066	ng	# 1
9) Benzaldehyde	6.42	77	2813	0.222	ng	# 1
10) Phenol	6.43	94	383	0.021	ng	# 1
11) bis(2-Chloroethyl)ether	6.56	93	2428	0.160	ng	# 1
12) 1,3-Dichlorobenzene	6.95	146	349	0.020	ng	# 1
13) 1,4-Dichlorobenzene	6.95	146	349	0.020	ng	# 1
14) 1,2-Dichlorobenzene	6.95	146	349	0.021	ng	# 1
15) Benzyl Alcohol	6.95	79	22476	1.775	ng	# 39
16) 2,2'-oxybis(1-Chloropropan	7.07	45	564	0.020	ng	# 70
17) 2-Methylphenol	6.95	107	129	0.010	ng	# 1
19) n-Nitroso-di-n-propylamine	7.35	70	197003	17.985	ng	# 83
20) 3+4-Methylphenols	6.95	107	129	0.009	ng	# 1
22) Acetophenone	7.19	105	2261	0.105	ng	# 81
24) Nitrobenzene	7.35	77	4277	0.277	ng	# 29
25) Isophorone	7.35	82	1429132	46.860	ng	# 64
27) 2,4-Dimethylphenol	7.85	122	117	0.009	ng	# 4
31) Naphthalene	8.09	128	4875	0.110	ng	# 96
32) Benzoic acid	7.85	122	117	9.156	ng	# 1
33) 4-Chloroaniline	8.09	127	579	0.031	ng	# 49
37) 2-Methylnaphthalene	8.78	142	1072	0.035	ng	# 89
45) 1,1'-Biphenyl	9.25	154	8711	0.238	ng	# 97
47) 2-Nitroaniline	9.15	65	4358	6.285	ng	# 1
48) Acenaphthylene	9.86	152	338	0.008	ng	# 1
50) 2,6-Dinitrotoluene	9.82	165	57312	8.685	ng	# 25
51) Acenaphthene	9.85	154	517	0.019	ng	# 84
54) Dibenzofuran	10.03	168	821	0.021	ng	# 45
55) 4-Nitrophenol	10.02	139	134	4.321	ng	# 9
56) 2,4-Dinitrotoluene	9.82	165	57312	9.649	ng	# 23
57) Fluorene	10.62	166	26936	0.922	ng	# 94
59) Diethylphthalate	10.25	149	1863	0.062	ng	# 88
62) Azobenzene	10.62	77	3127	0.100	ng	# 1

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

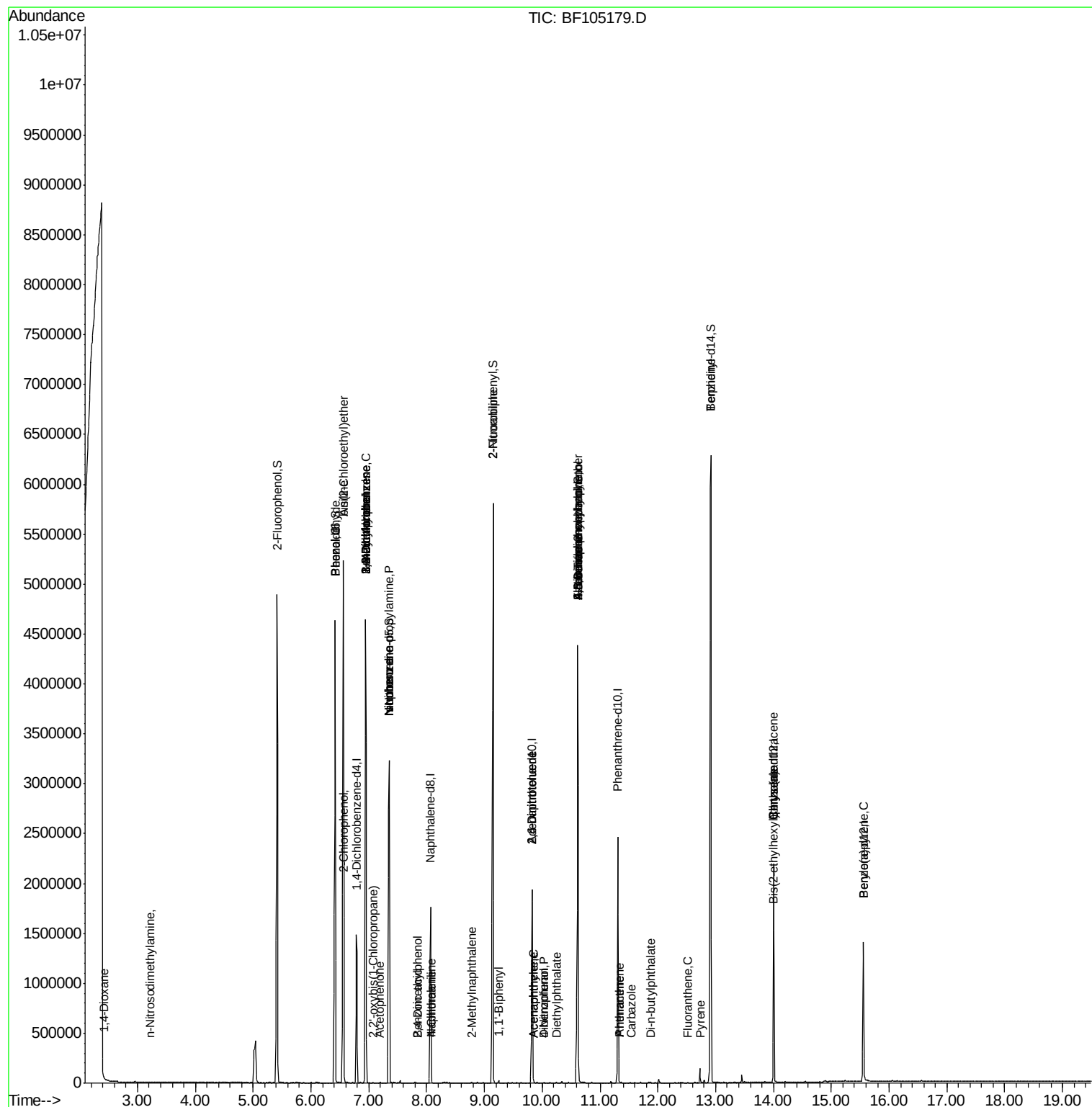
64) 4,6-Dinitro-2-methylphenol	10.62	198	1324	9.182	nq	#	1
65) n-Nitrosodiphenylamine	10.62	169	19298	0.696	nq	#	49
66) 4-Bromophenyl-phenylether	10.62	248	41282	4.349	nq	#	1
70) Phenanthrene	11.33	178	2352	0.050	nq		96
71) Anthracene	11.33	178	2352	0.049	nq		96
72) Carbazole	11.54	167	232	0.005	nq	#	59
73) Di-n-butylphthalate	11.87	149	2029	0.044	nq	#	78
74) Fluoranthene	12.52	202	977	0.020	nq		78
76) Benzidine	12.92	184	35887	1.254	nq		97
77) Pyrene	12.75	202	860	0.015	nq	#	57
80) Benzo(a)anthracene	14.00	228	1916	0.041	nq	#	66
82) Chrysene	14.00	228	1916	0.040	nq	#	64
83) Bis(2-ethylhexyl)phthalate	13.99	149	346	0.015	nq	#	53
89) Benzo(a)pyrene	15.56	252	2249	0.061	nq	#	59

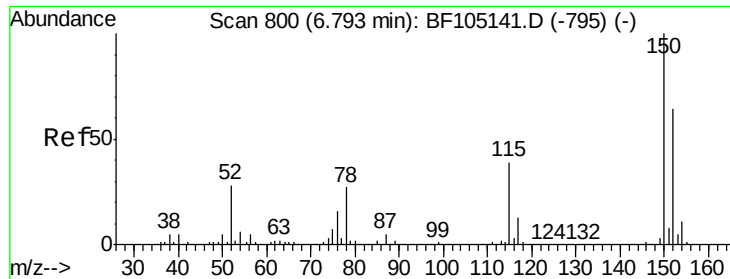
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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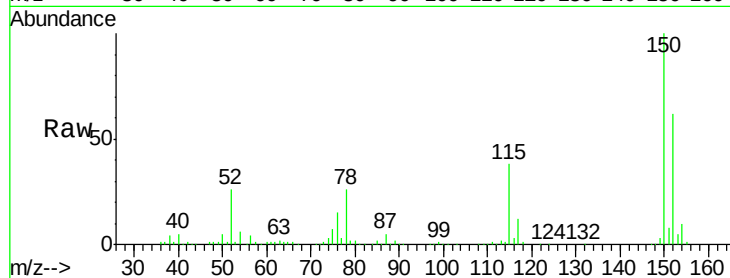


#1

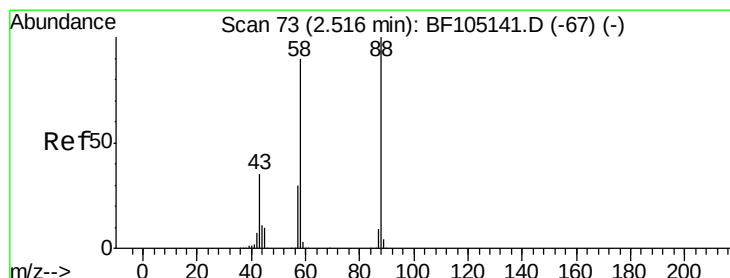
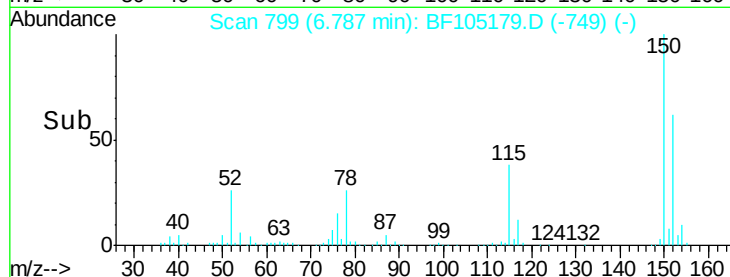
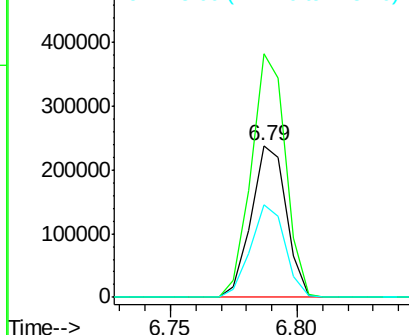
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF105179.D
Acq: 9 May 2018 7:22

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	124.6	186.8
115	61.2	50.1	75.1



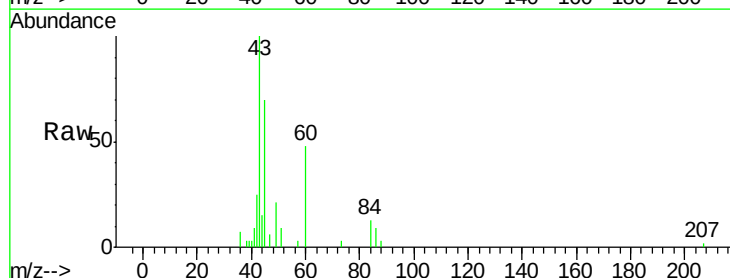
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



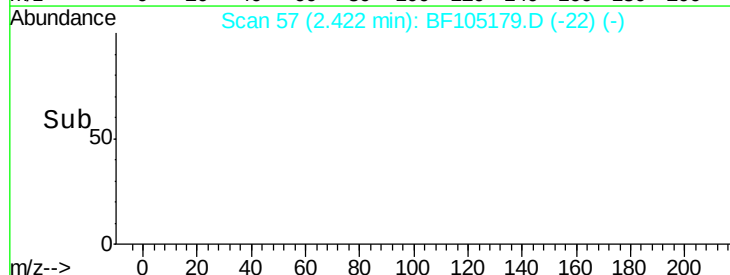
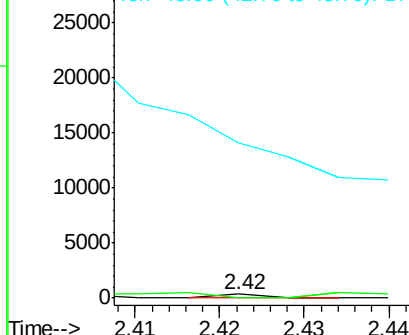
#2

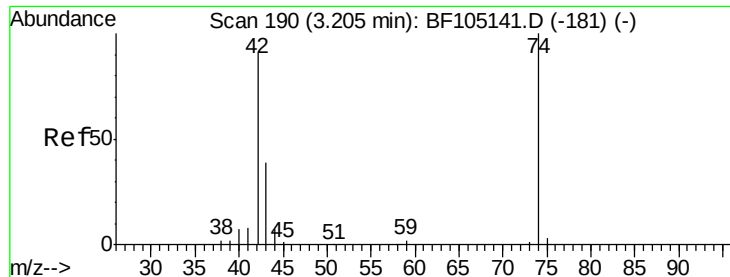
1,4-Dioxane
Concen: 0.018 ng
RT: 2.42 min Scan# 57
Delta R.T. -0.09 min
Lab File: BF105179.D
Acq: 9 May 2018 7:22

Tgt Ion	Ratio	Lower	Upper
88	100		
58	496.3	62.6	93.8#
43	0.0	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



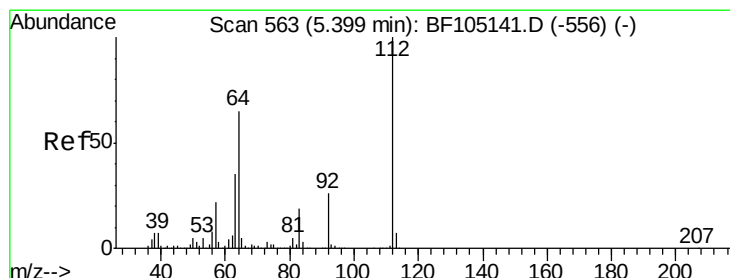
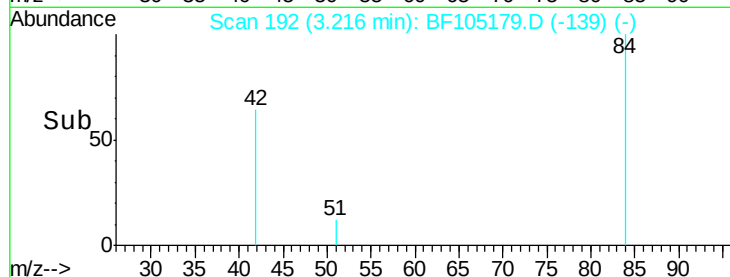
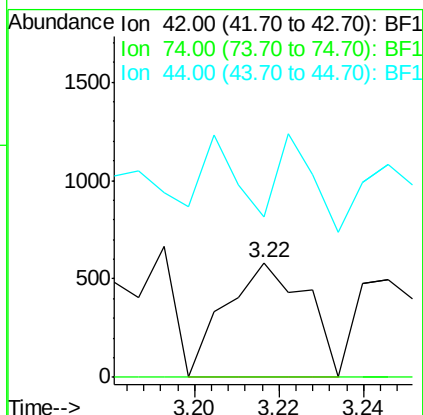
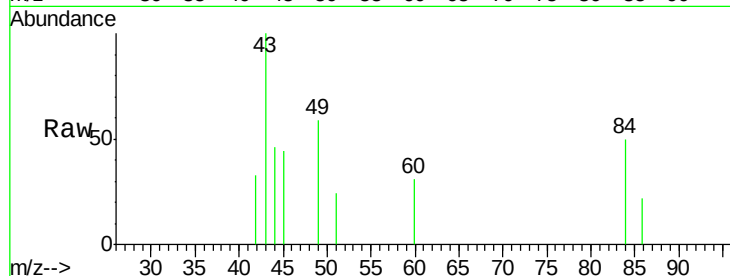


#4

n-Nitrosodimethylamine
 Concen: 0.078 ng
 RT: 3.22 min Scan# 192
 Delta R.T. 0.01 min
 Lab File: BF105179.D
 Acq: 9 May 2018 7:22

Instrument :
 BNA_F
 ClientSampleId :

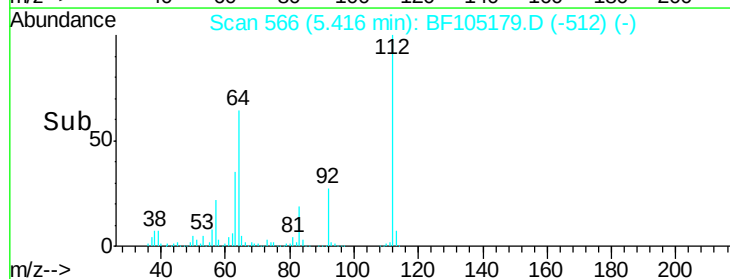
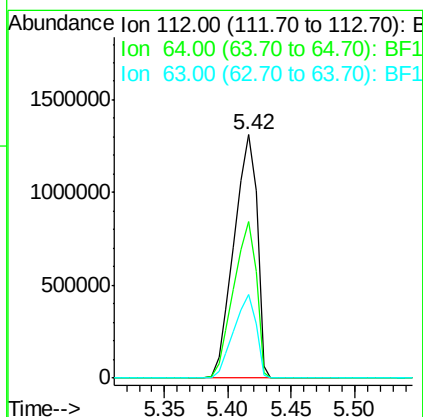
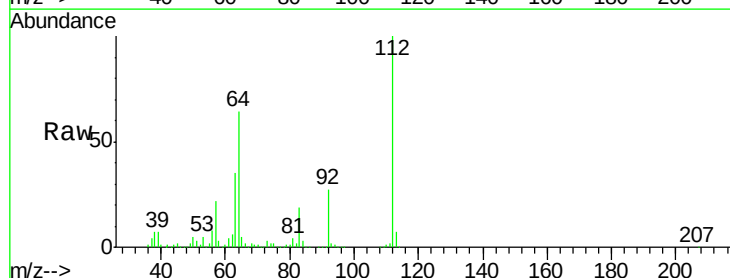
Tot Ion: 42 Resp: 774
 Ion Ratio Lower Upper
 42 100
 74 0.0 104.9 157.3#
 44 140.0 6.9 10.3#

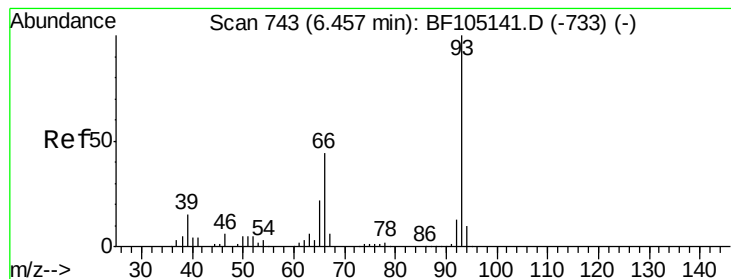


#5

2-Fluorophenol
 Concen: 118.555 ng
 RT: 5.42 min Scan# 566
 Delta R.T. 0.02 min
 Lab File: BF105179.D
 Acq: 9 May 2018 7:22

Tgt Ion: 112 Resp: 1647236
 Ion Ratio Lower Upper
 112 100
 64 64.3 47.9 71.9
 63 34.6 23.7 35.5





#6

Aniline

Concen: 0.100 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.11 min

Lab File: BF105179.D

Acq: 9 May 2018 7:22

Instrument :

BNA_F

ClientSampleId :

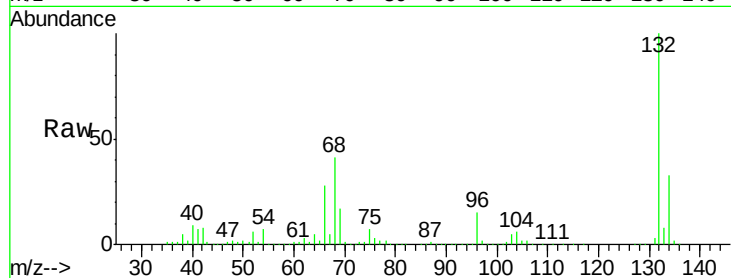
Tot Ion: 93 Resp: 2428

Ion Ratio Lower Upper

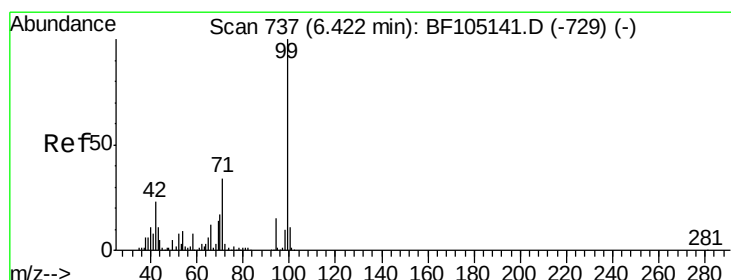
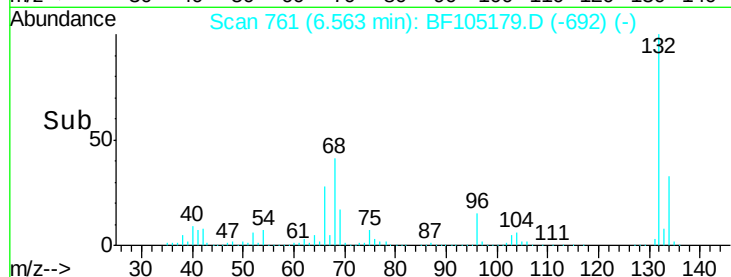
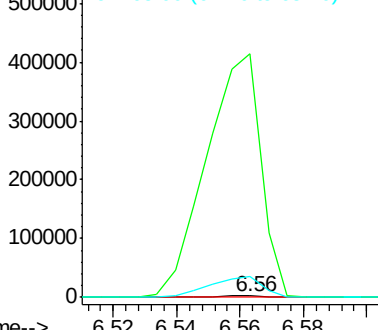
93 100

66 19286.4 32.2 48.2#

65 1610.4 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: 108.744 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.00 min

Lab File: BF105179.D

Acq: 9 May 2018 7:22

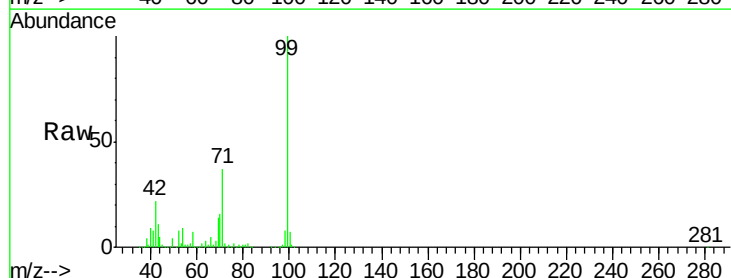
Tgt Ion: 99 Resp: 1799063

Ion Ratio Lower Upper

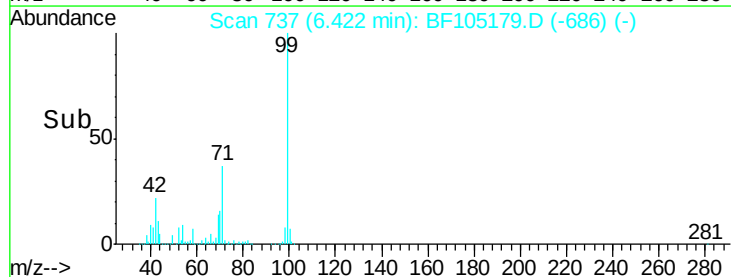
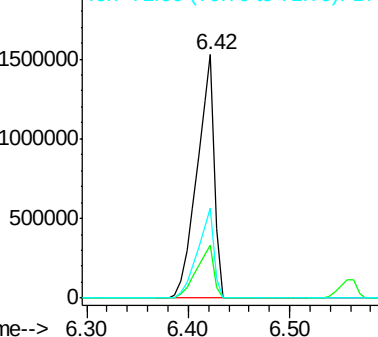
99 100

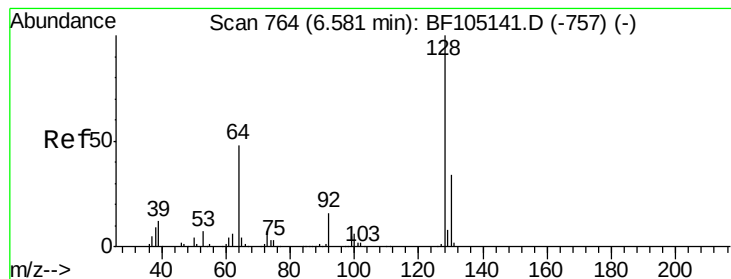
42 21.5 14.5 21.7

71 36.8 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: 0.066 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF105179.D

Acq: 9 May 2018 7:22

Instrument :

BNA_F

ClientSampleId :

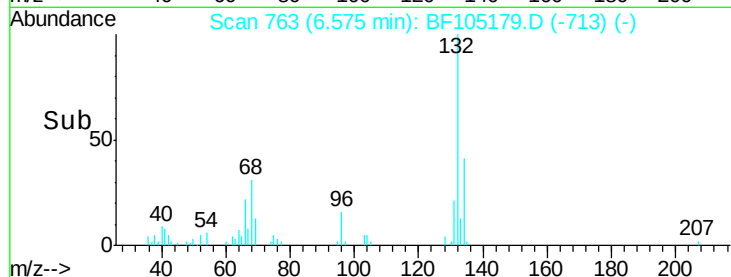
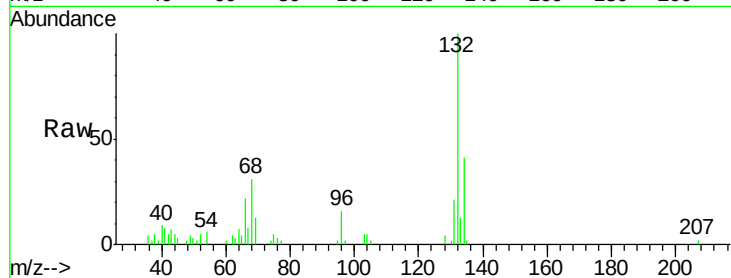
Tot Ion:128 Resp: 971

Ion Ratio Lower Upper

128 100

130 49.8 13.0 53.0

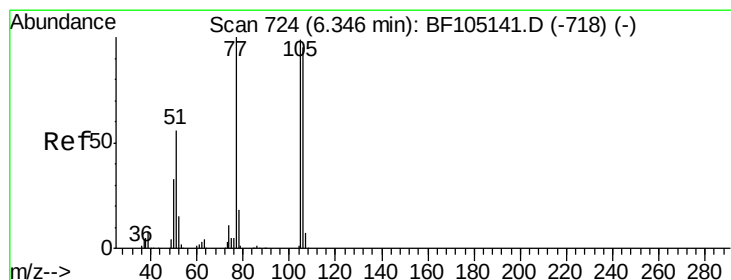
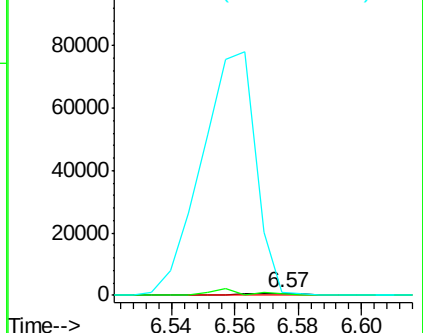
64 159.3 29.4 69.4#



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: 0.222 ng

RT: 6.42 min Scan# 737

Delta R.T. 0.08 min

Lab File: BF105179.D

Acq: 9 May 2018 7:22

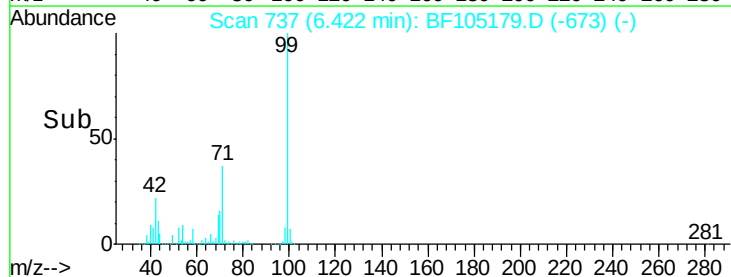
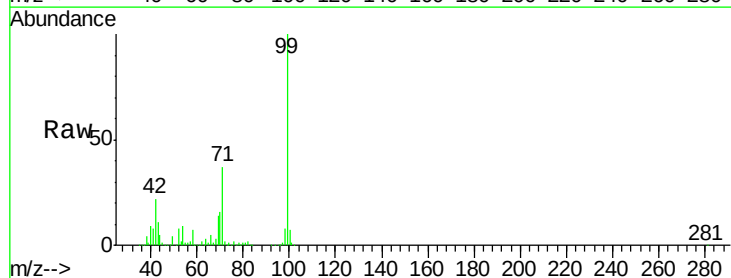
Tgt Ion: 77 Resp: 2813

Ion Ratio Lower Upper

77 100

105 0.0 81.1 121.1#

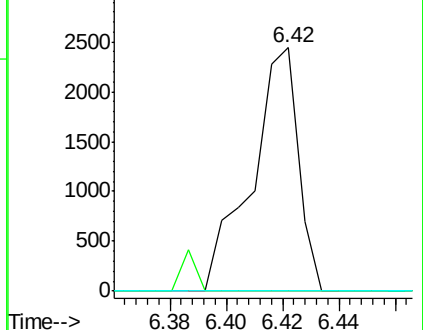
106 0.0 74.5 114.5#

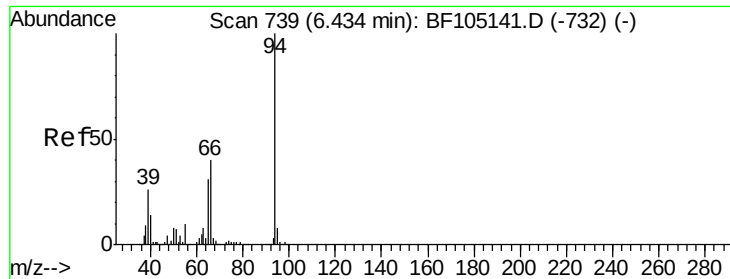


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.021 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF105179.D

Acq: 9 May 2018 7:22

Instrument :

BNA_F

ClientSampleId :

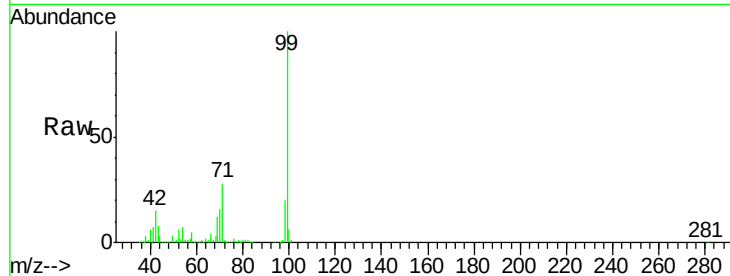
Tot Ion: 94 Resp: 383

Ion Ratio Lower Upper

94 100

65 1309.6 7.9 47.9#

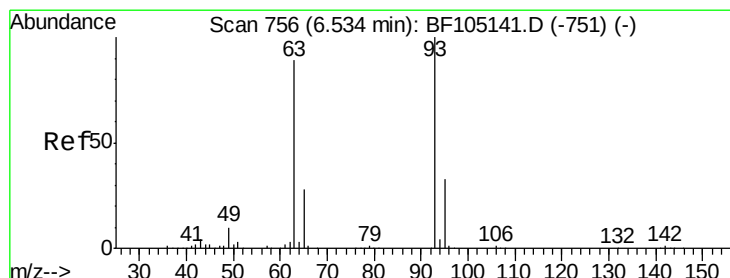
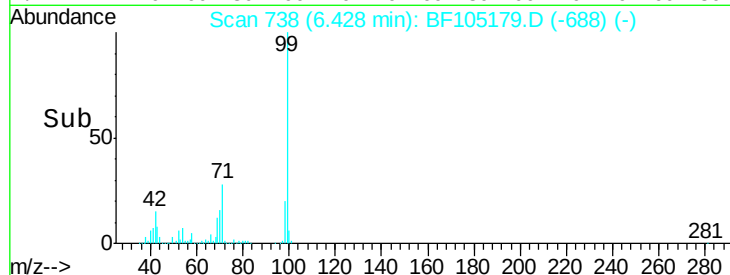
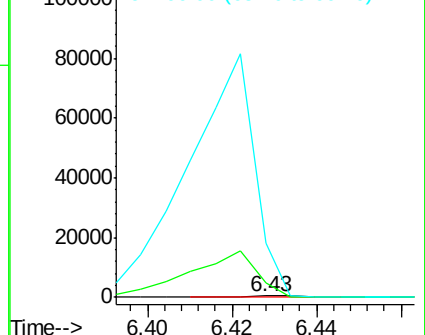
66 4671.2 16.2 56.2#



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: 0.160 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.03 min

Lab File: BF105179.D

Acq: 9 May 2018 7:22

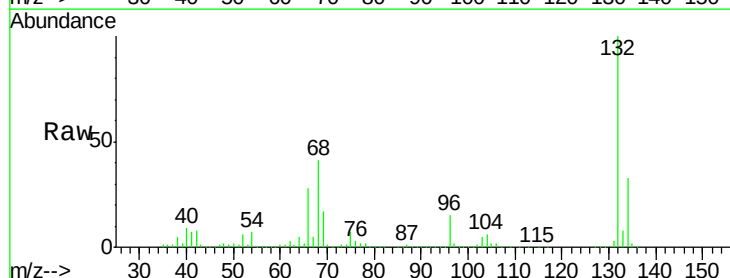
Tgt Ion: 93 Resp: 2428

Ion Ratio Lower Upper

93 100

63 801.9 58.6 98.6#

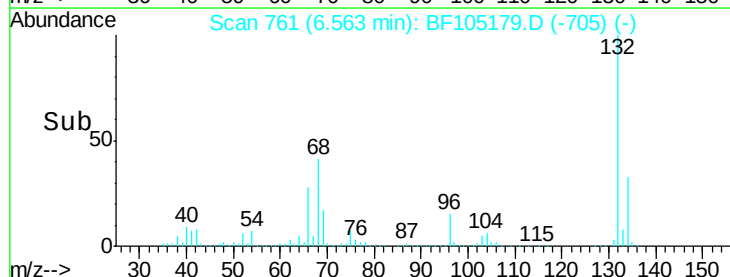
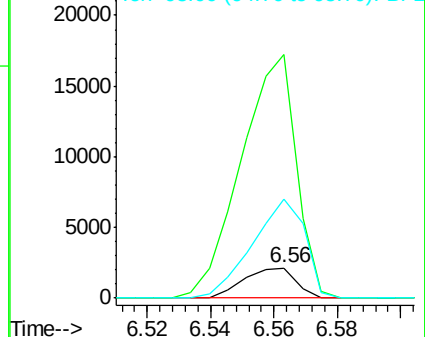
95 326.5 11.8 51.8#

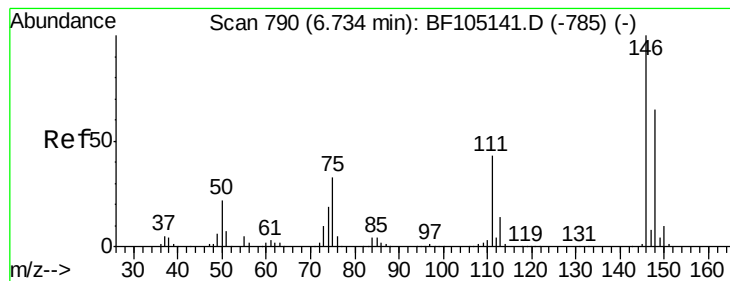


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 95.00 (94.70 to 95.70): BF1





#12

1,3-Dichlorobenzene

Concen: 0.020 ng

RT: 6.95 min Scan# 826

Delta R.T. 0.21 min

Lab File: BF105179.D

Acq: 9 May 2018 7:22

Instrument :
BNA_F
ClientSampleId :

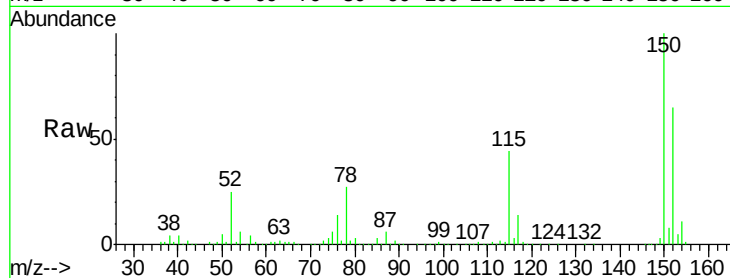
Tot Ion:146 Resp: 349

Ion Ratio Lower Upper

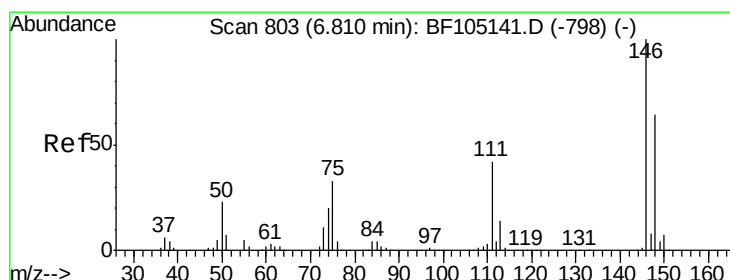
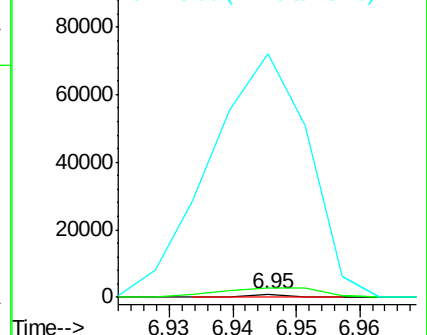
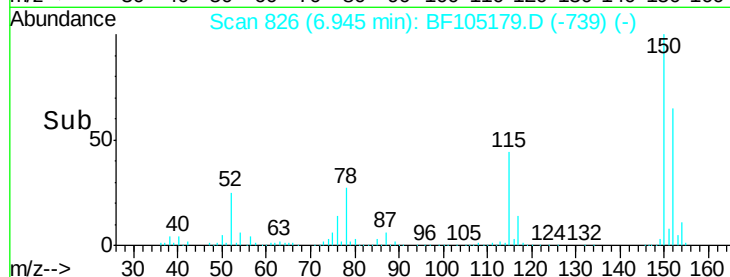
146 100

148 281.9 51.8 77.8#

75 7283.3 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: 0.020 ng

RT: 6.95 min Scan# 826

Delta R.T. 0.14 min

Lab File: BF105179.D

Acq: 9 May 2018 7:22

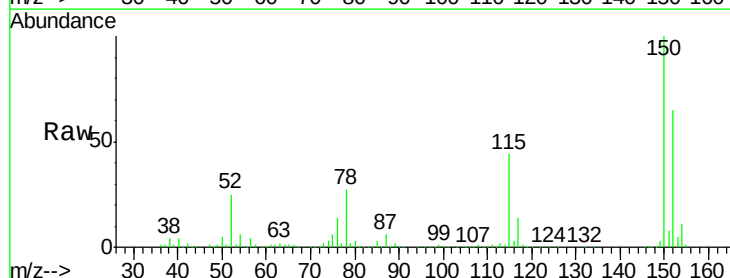
Tgt Ion:146 Resp: 349

Ion Ratio Lower Upper

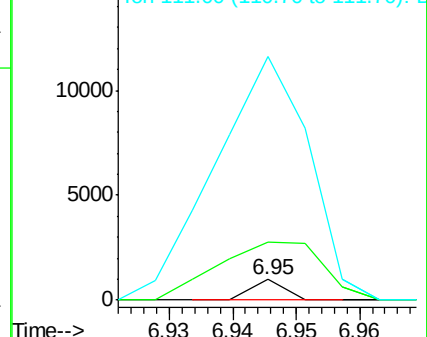
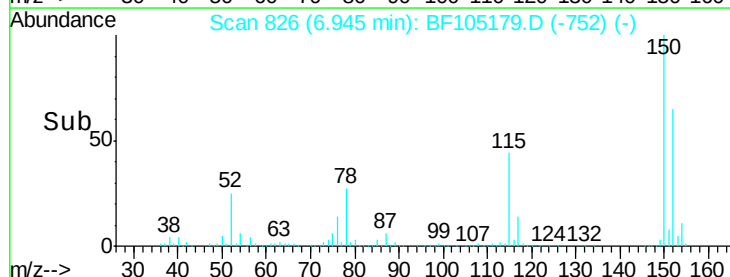
146 100

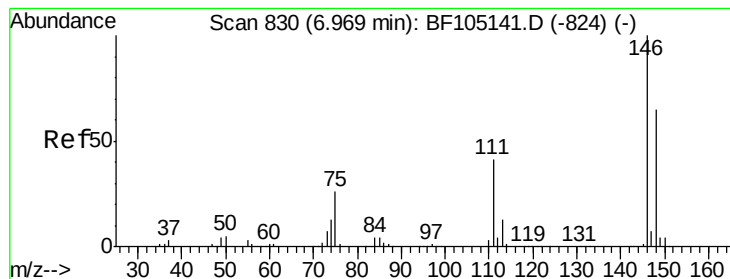
148 281.9 50.8 76.2#

111 1174.5 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: 0.021 ng

RT: 6.95 min Scan# 826

Delta R.T. -0.02 min

Lab File: BF105179.D

Acq: 9 May 2018 7:22

Instrument :

BNA_F

ClientSampleId :

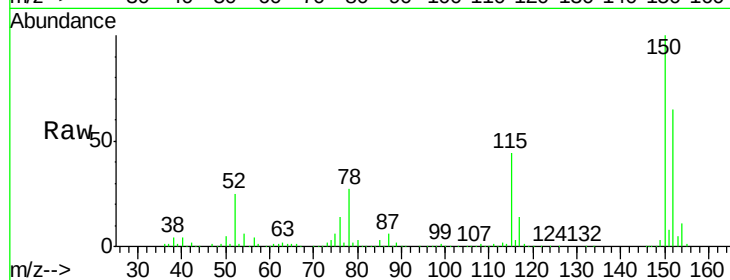
Tot Ion:146 Resp: 349

Ion Ratio Lower Upper

146 100

148 281.9 50.6 75.8#

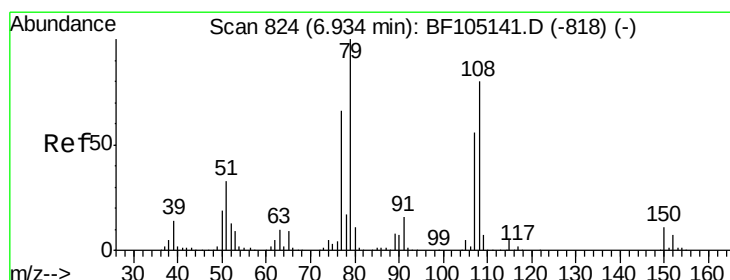
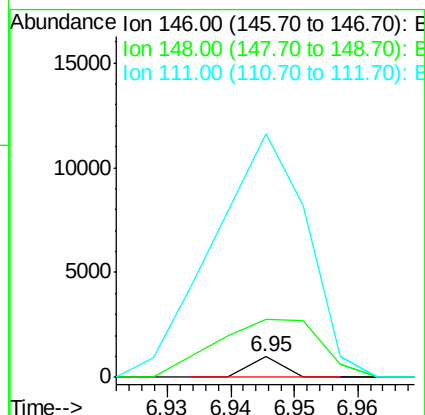
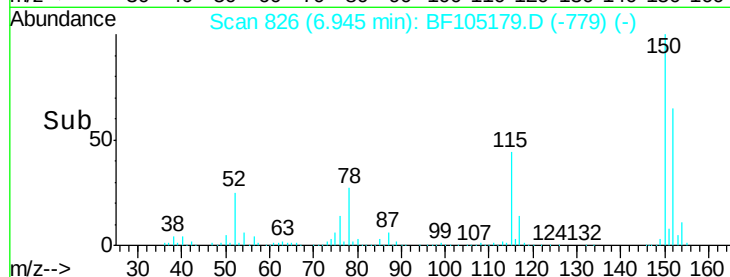
111 1174.5 36.0 54.0#



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: 1.775 ng

RT: 6.95 min Scan# 826

Delta R.T. 0.01 min

Lab File: BF105179.D

Acq: 9 May 2018 7:22

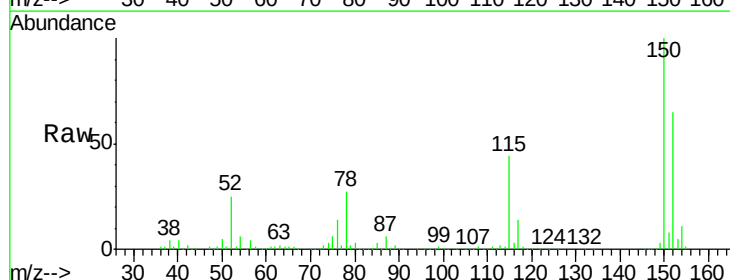
Tgt Ion: 79 Resp: 22476

Ion Ratio Lower Upper

79 100

108 34.4 65.1 97.7#

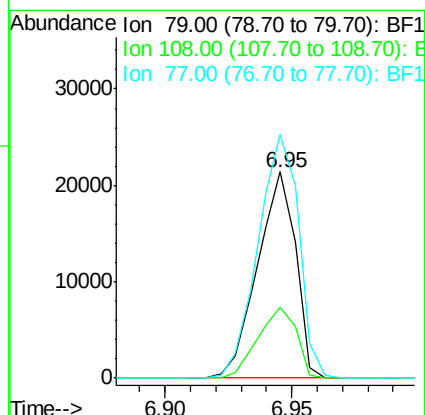
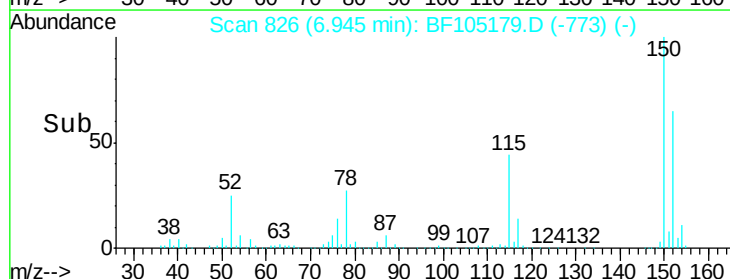
77 118.2 50.6 75.8#

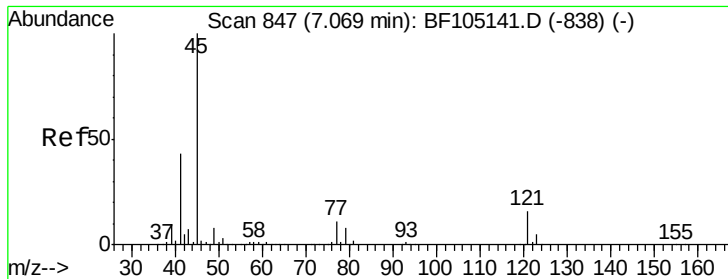


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

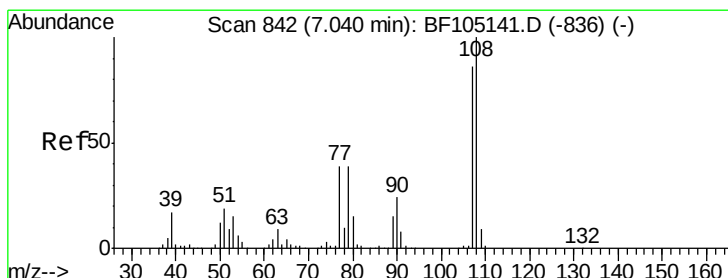
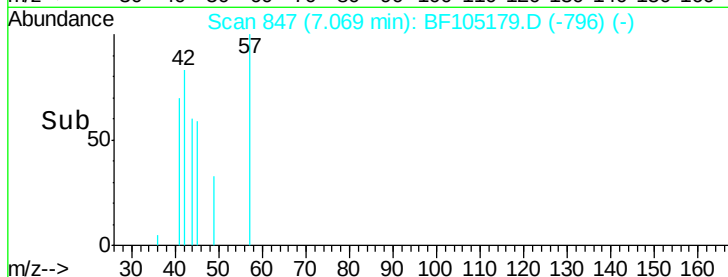
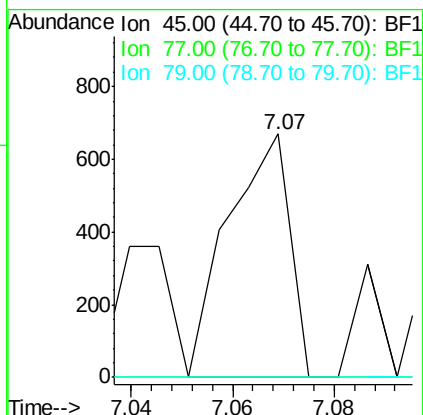
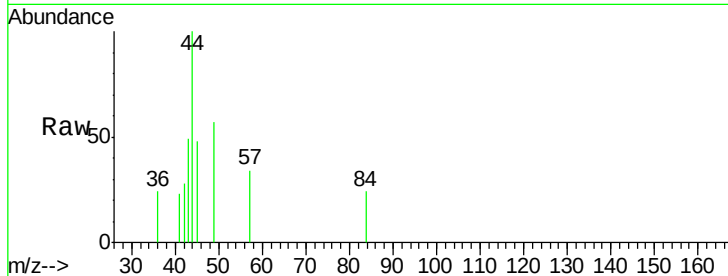




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 0.020 ng
RT: 7.07 min Scan# 847
Delta R.T. -0.00 min
Lab File: BF105179.D
Acq: 9 May 2018 7:22

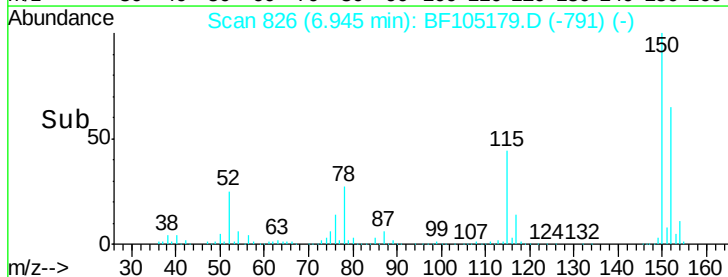
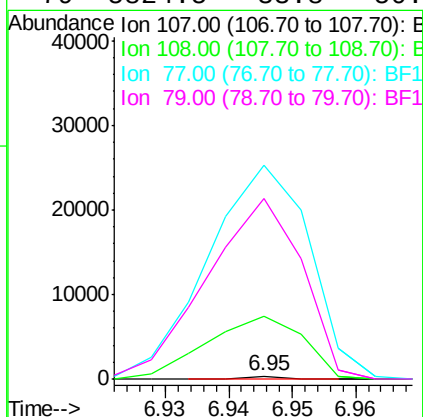
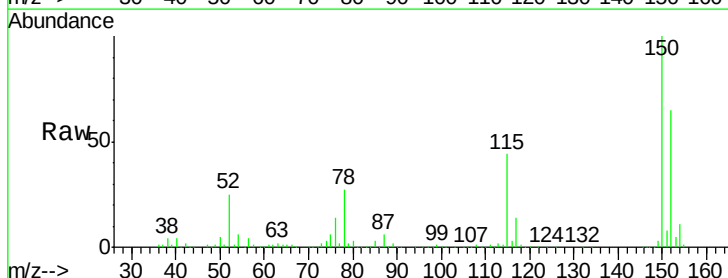
Instrument :
BNA_F
ClientSampleId :

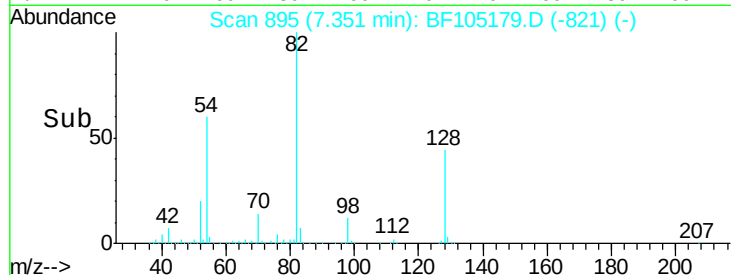
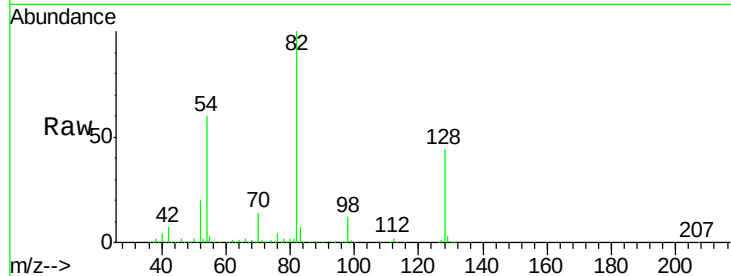
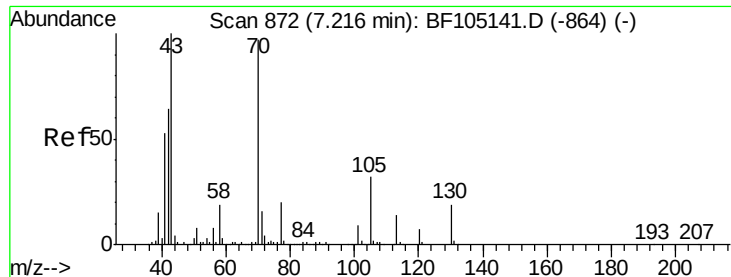
Tot Ion: 45 Resp: 564
Ion Ratio Lower Upper
45 100
77 0.0 0.0 32.9
79 0.0 0.0 29.6



#17
2-Methylphenol
Concen: 0.010 ng
RT: 6.95 min Scan# 826
Delta R.T. -0.09 min
Lab File: BF105179.D
Acq: 9 May 2018 7:22

Tgt Ion:107 Resp: 129
Ion Ratio Lower Upper
107 100
108 2002.2 91.7 137.5#
77 6883.9 33.8 50.8#
79 5824.5 33.8 50.8#

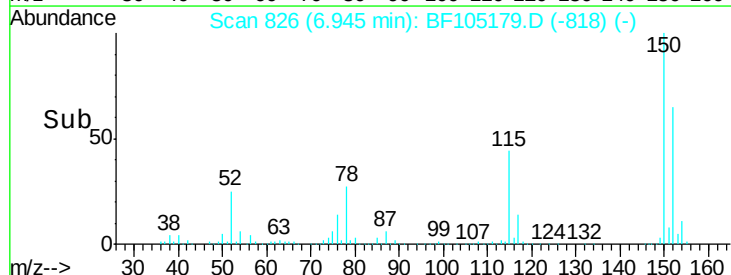
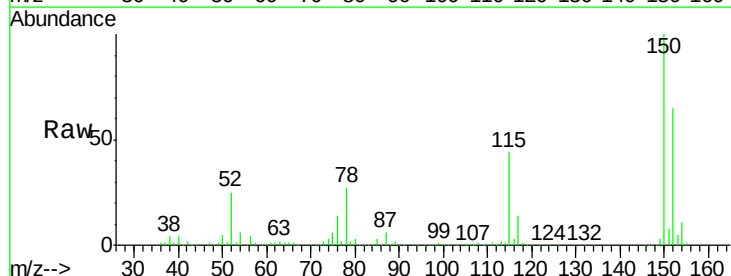
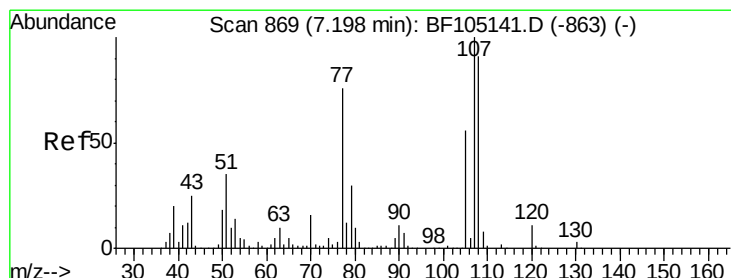
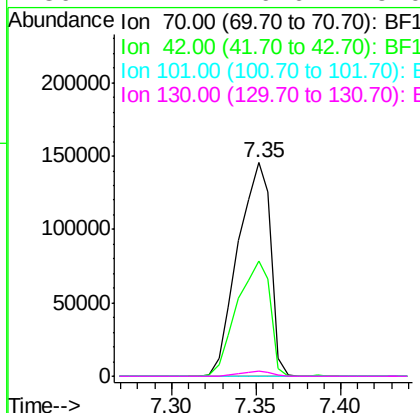




#19
n-Nitroso-di-n-propylamine
Concen: 17.985 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.14 min
Lab File: BF105179.D
Acq: 9 May 2018 7:22

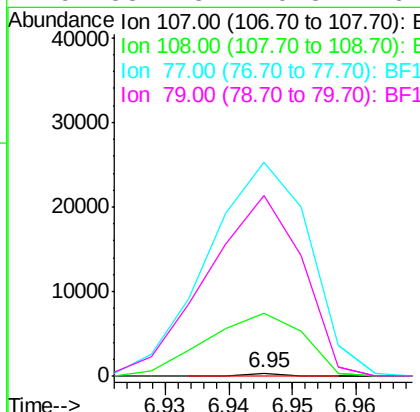
Instrument :
BNA_F
ClientSampleId :

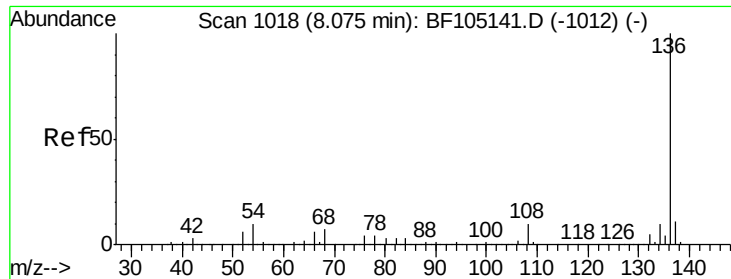
Tot Ion	Ratio	Lower	Upper
70	100		
42	53.8	47.5	71.3
101	0.0	7.4	11.2#
130	2.2	16.6	25.0#



#20
3+4-Methylphenols
Concen: 0.009 ng
RT: 6.95 min Scan# 826
Delta R.T. -0.25 min
Lab File: BF105179.D
Acq: 9 May 2018 7:22

Tgt Ion	Ratio	Lower	Upper
107	100		
108	2002.2	68.2	108.2#
77	6883.9	26.7	66.7#
79	5824.5	6.3	46.3#

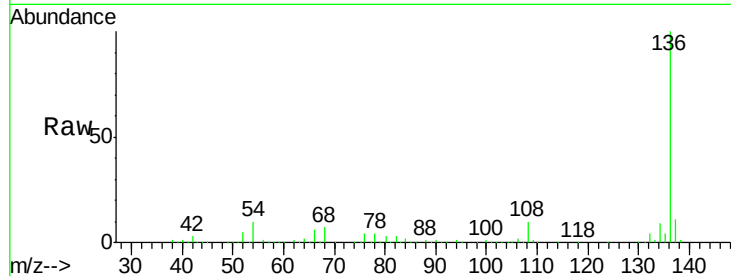




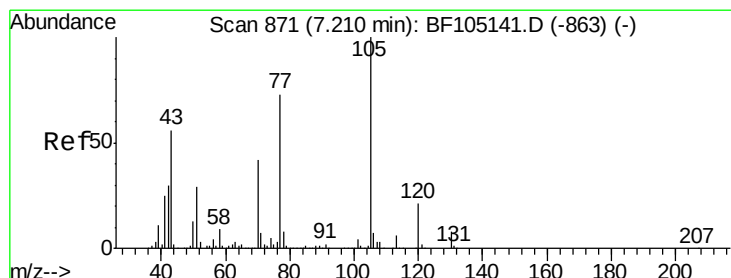
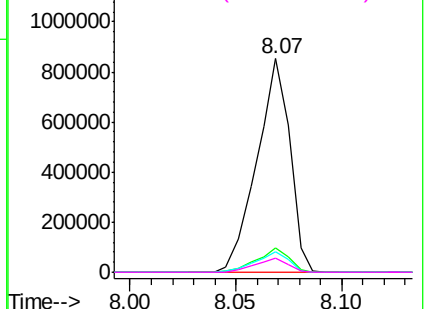
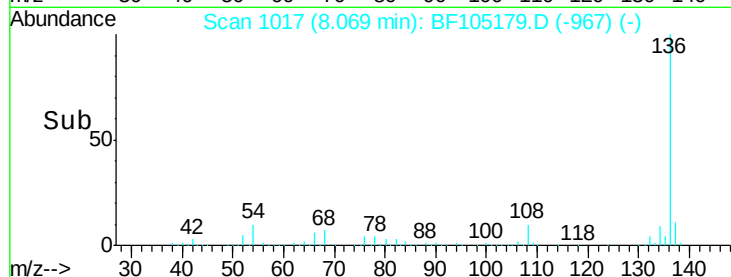
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF105179.D
Acq: 9 May 2018 7:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	924236
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.9 13.3
54	9.6	6.6 9.8
68	6.6	5.0 7.4

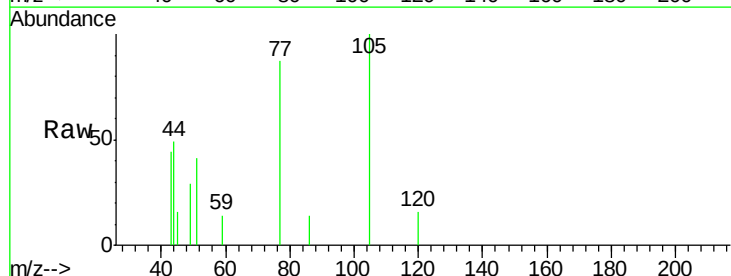


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

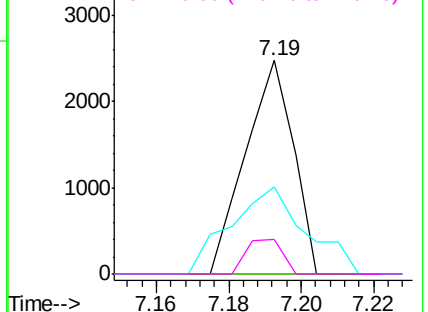
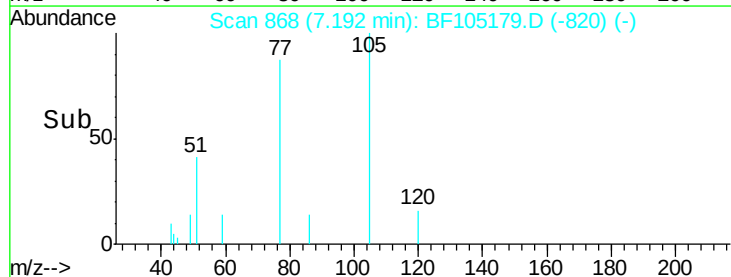


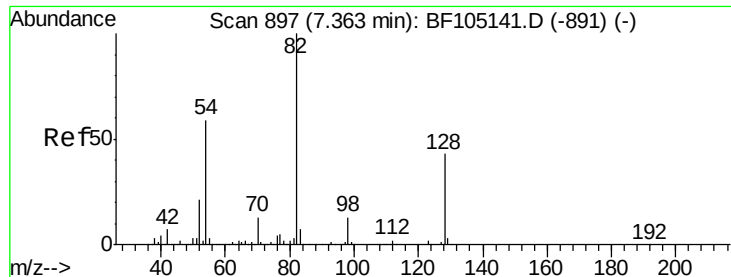
#22
Acetophenone
Concen: 0.105 ng
RT: 7.19 min Scan# 868
Delta R.T. -0.02 min
Lab File: BF105179.D
Acq: 9 May 2018 7:22

Tgt Ion:105	Resp:	2261
Ion Ratio	Lower	Upper
105	100	
71	0.0	4.4 6.6#
51	41.0	22.3 33.5#
120	15.9	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

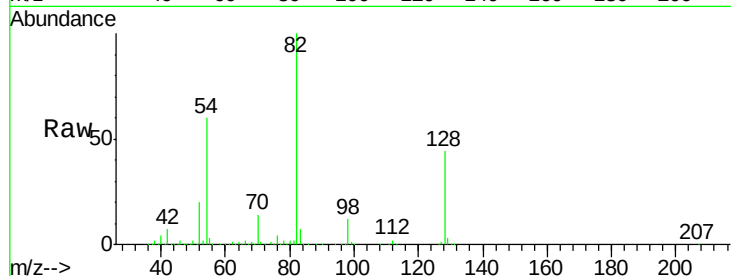




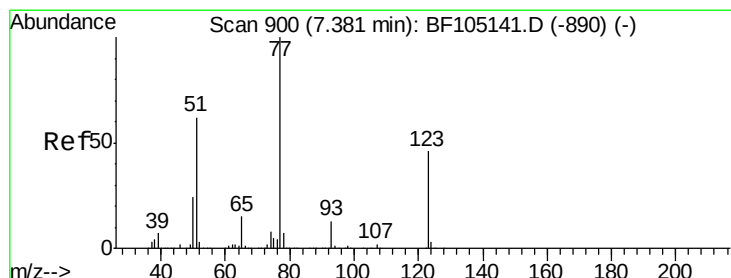
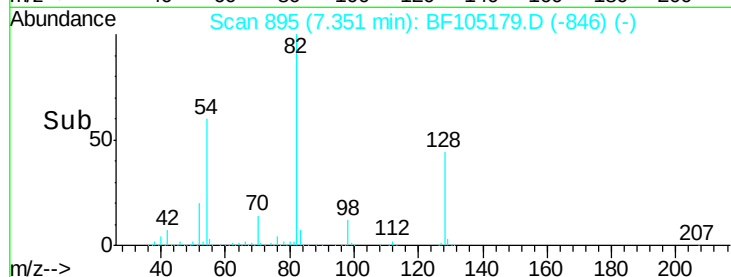
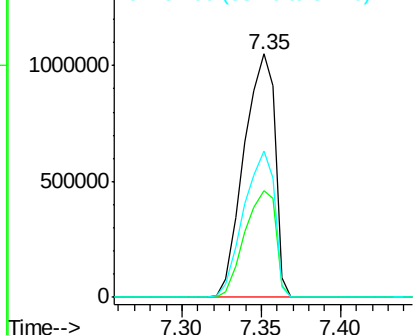
#23
Nitrobenzene-d5
Concen: 104.987 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF105179.D
Acq: 9 May 2018 7:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 1431716
Ion Ratio Lower Upper
82 100
128 43.6 36.1 54.1
54 59.9 41.4 62.2

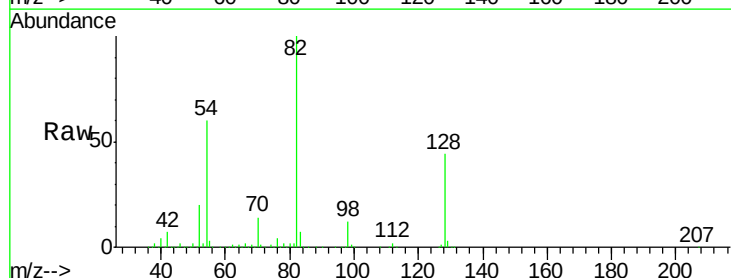


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

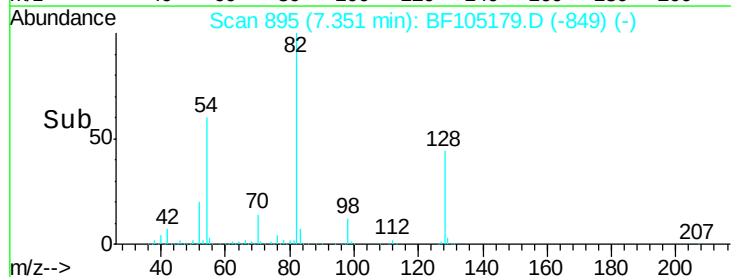
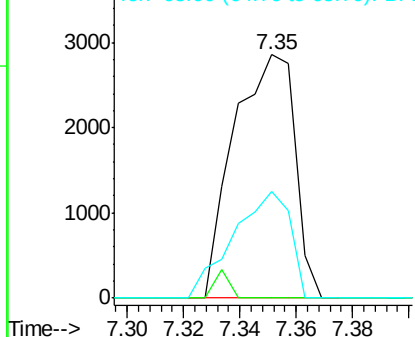


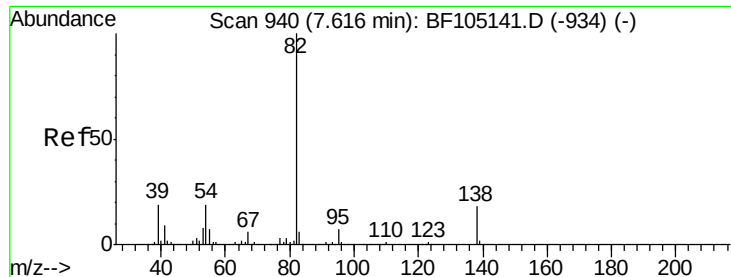
#24
Nitrobenzene
Concen: 0.277 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.03 min
Lab File: BF105179.D
Acq: 9 May 2018 7:22

Tgt Ion: 77 Resp: 4277
Ion Ratio Lower Upper
77 100
123 0.0 37.9 56.9#
65 43.5 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: 46.860 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.26 min

Lab File: BF105179.D

Acq: 9 May 2018 7:22

Instrument :

BNA_F

ClientSampleId :

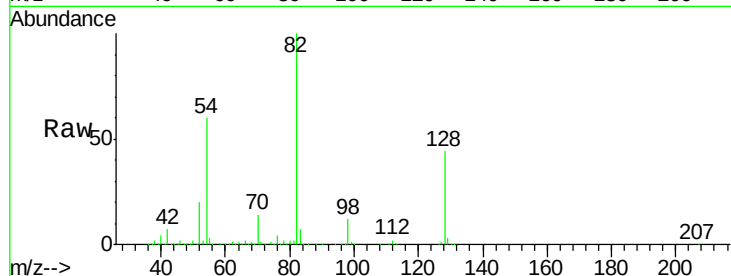
Tot Ion: 82 Resp: 1429132

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

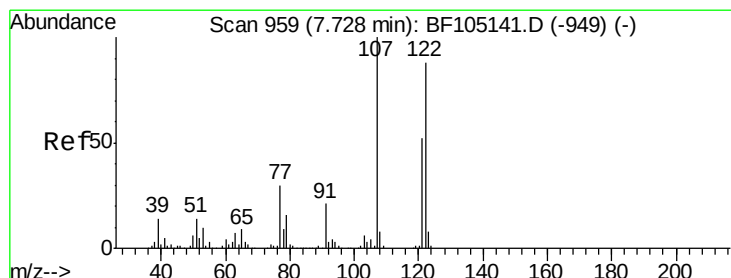
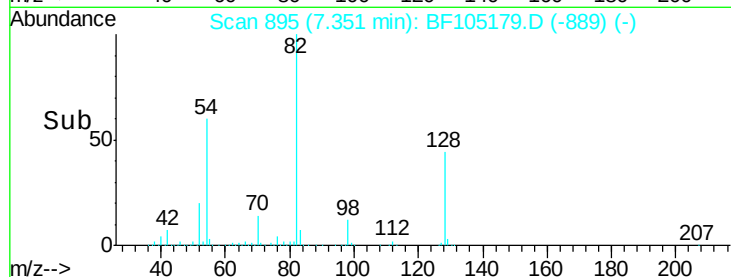
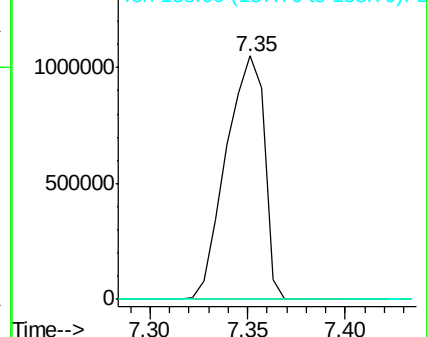
138 0.0 14.9 22.3#



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: 0.009 ng

RT: 7.85 min Scan# 979

Delta R.T. 0.12 min

Lab File: BF105179.D

Acq: 9 May 2018 7:22

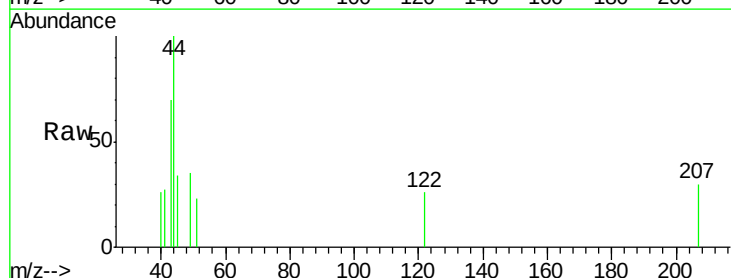
Tgt Ion: 122 Resp: 117

Ion Ratio Lower Upper

122 100

107 0.0 91.2 136.8#

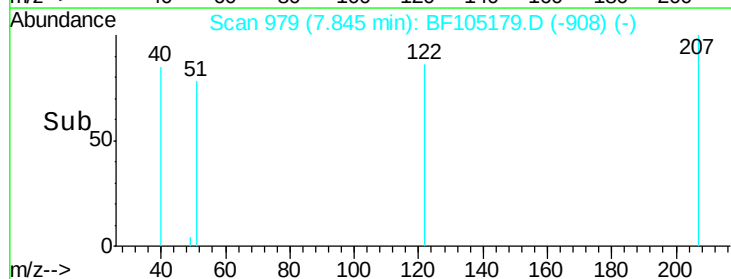
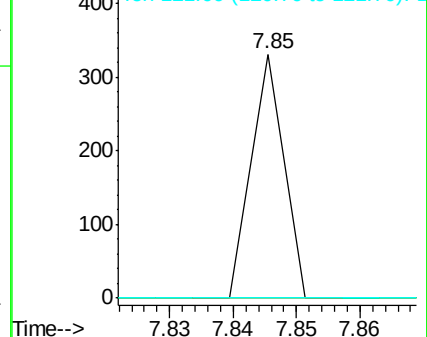
121 0.0 47.2 70.8#

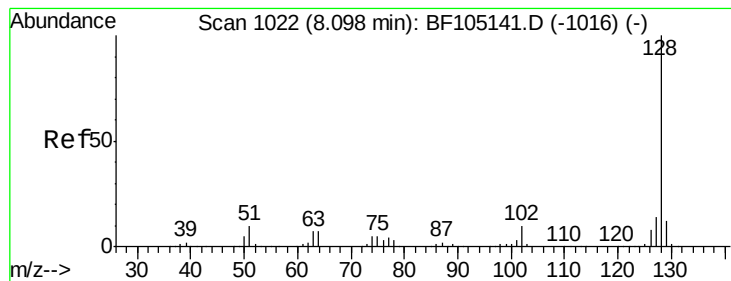


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E





#31

Naphthalene

Concen: 0.110 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF105179.D

Acq: 9 May 2018 7:22

Instrument :

BNA_F

ClientSampleId :

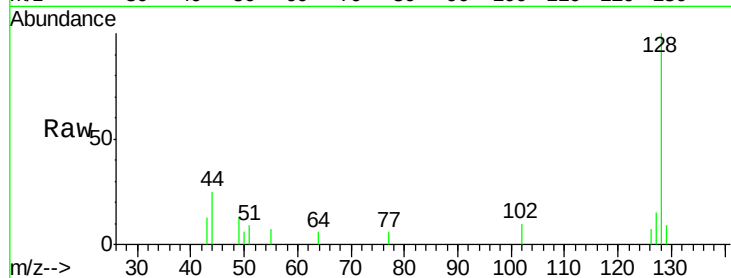
Tot Ion:128 Resp: 4875

Ion Ratio Lower Upper

128 100

129 8.9 8.8 13.2

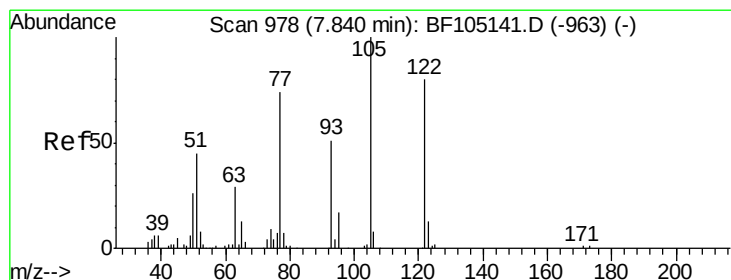
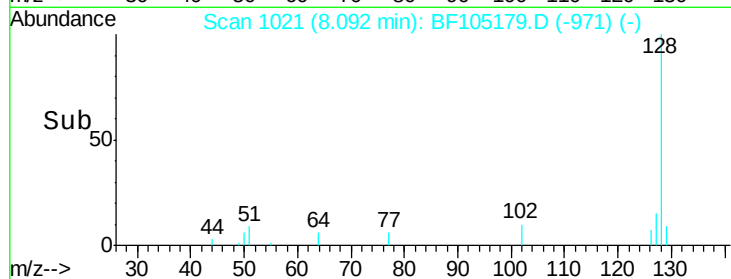
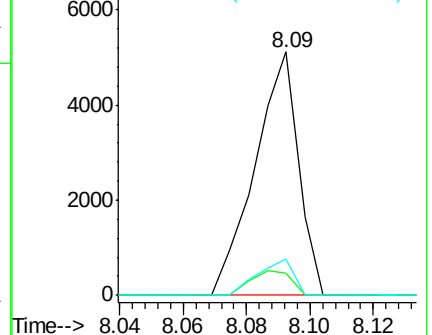
127 14.6 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 9.156 ng

RT: 7.85 min Scan# 979

Delta R.T. 0.01 min

Lab File: BF105179.D

Acq: 9 May 2018 7:22

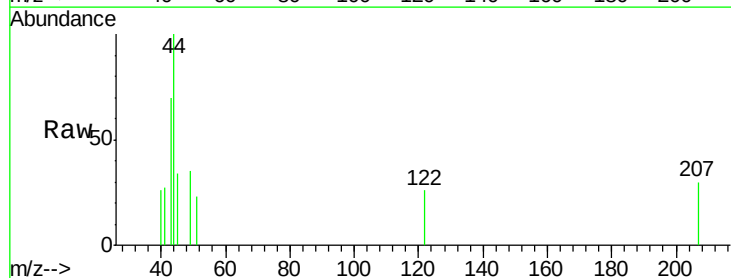
Tgt Ion:122 Resp: 117

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

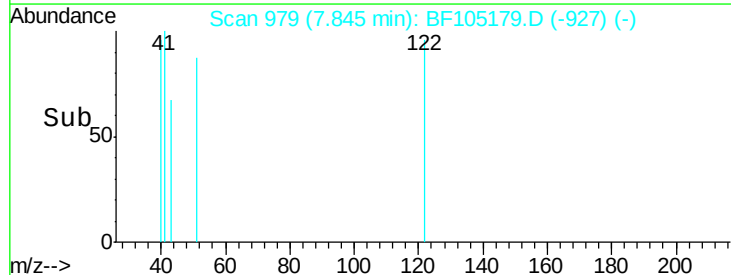
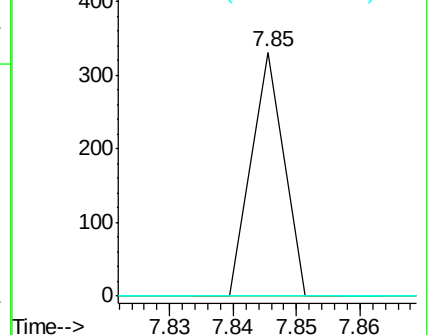
77 0.0 70.7 110.7#

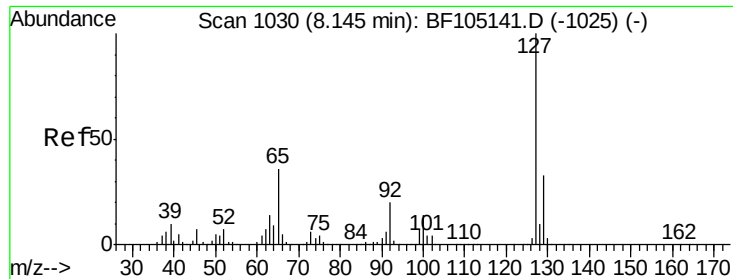


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

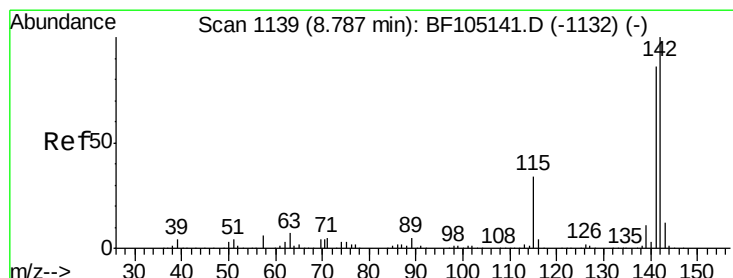
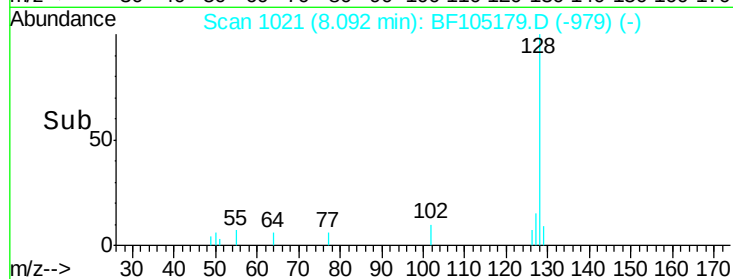
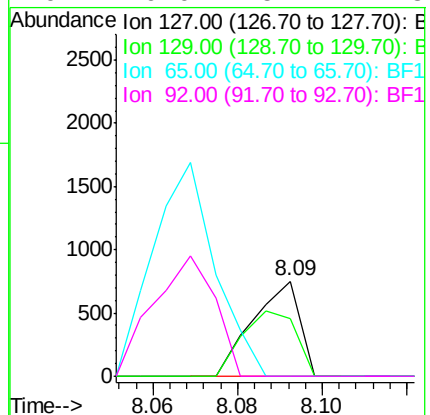
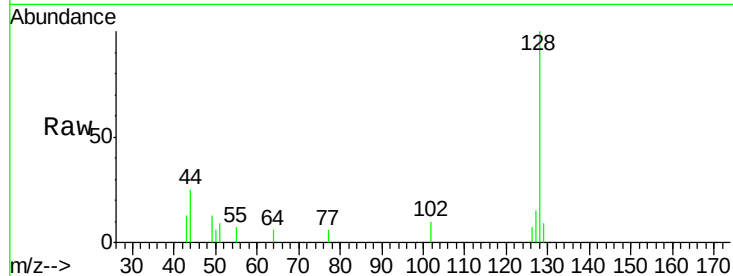




#33
4-Chloroaniline
Concen: 0.031 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.05 min
Lab File: BF105179.D
Acq: 9 May 2018 7:22

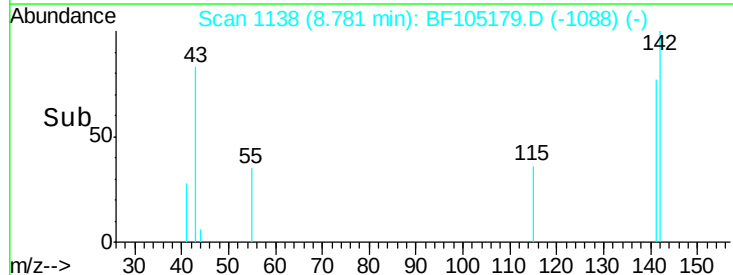
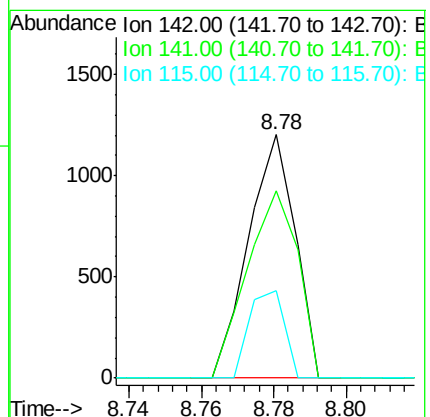
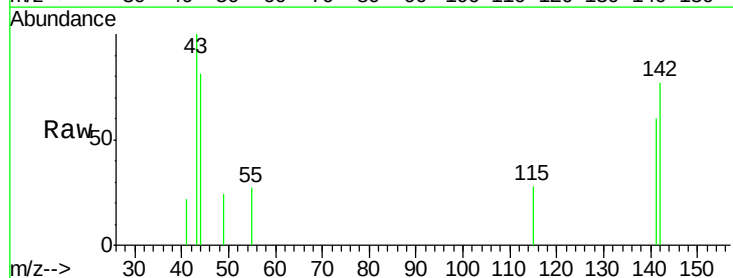
Instrument :
BNA_F
ClientSampleId :

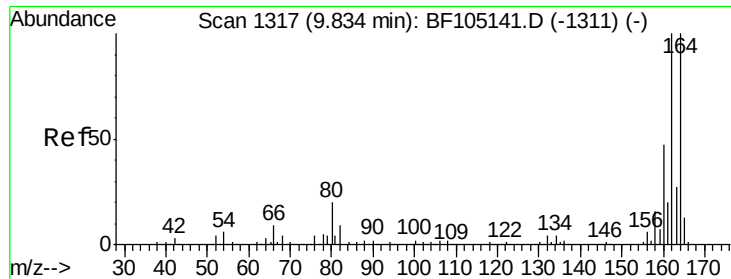
Tot Ion:	127	Resp:	579
Ion	Ratio	Lower	Upper
127	100		
129	60.8	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#



#37
2-Methylnaphthalene
Concen: 0.035 ng
RT: 8.78 min Scan# 1138
Delta R.T. -0.01 min
Lab File: BF105179.D
Acq: 9 May 2018 7:22

Tgt Ion:	142	Resp:	1072
Ion	Ratio	Lower	Upper
142	100		
141	77.1	70.8	106.2
115	36.2	26.1	39.1

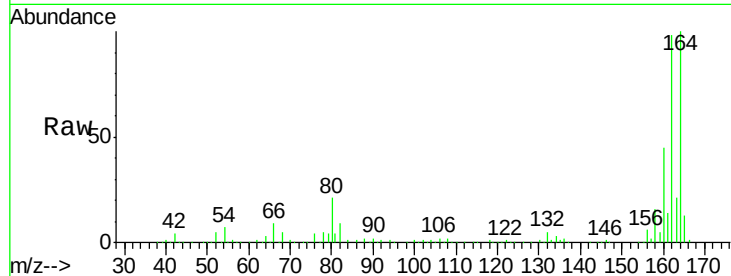




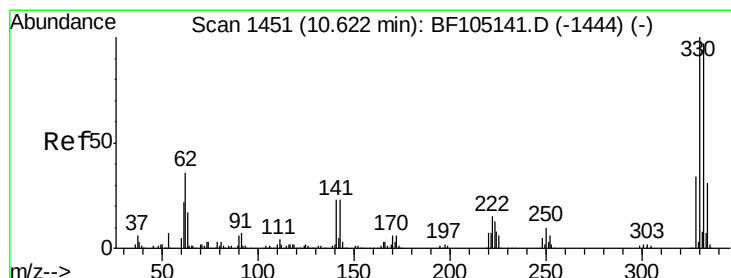
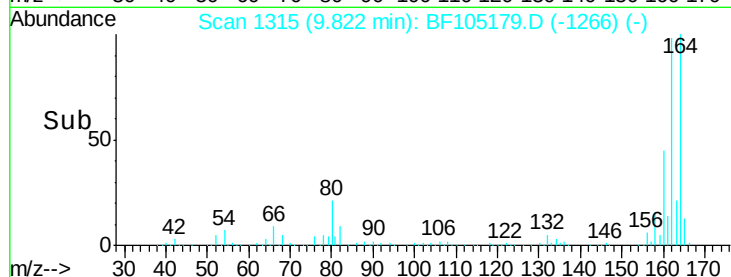
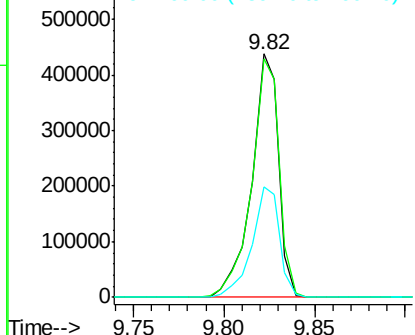
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: BF105179.D
 Acq: 9 May 2018 7:22

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:164 Resp: 449255
 Ion Ratio Lower Upper
 164 100
 162 98.0 86.1 129.1
 160 45.4 38.3 57.5

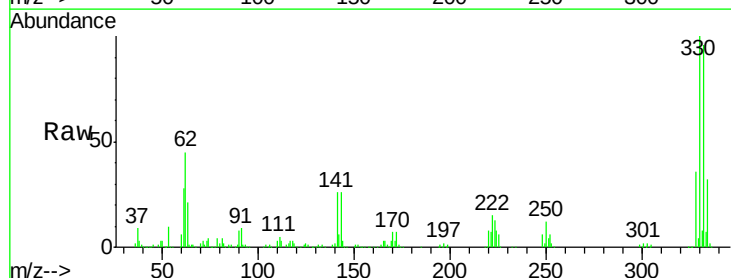


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

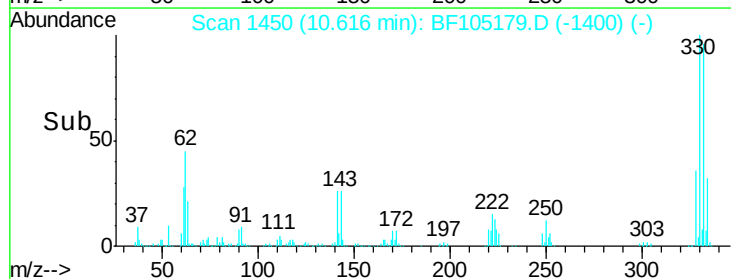
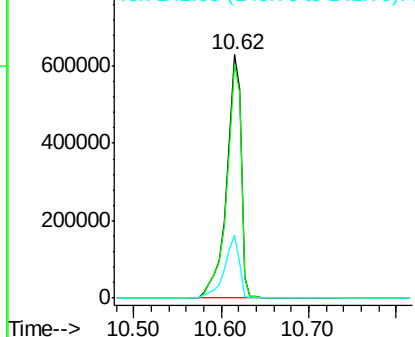


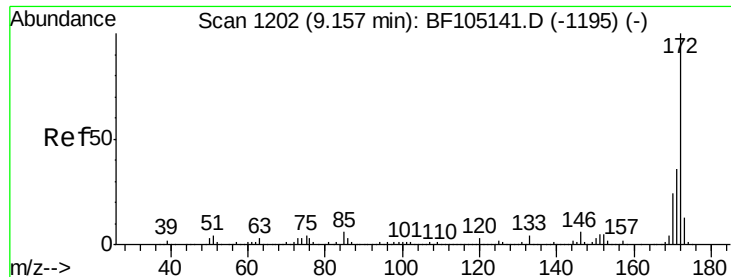
#41
 2,4,6-Tribromophenol
 Concen: 146.964 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF105179.D
 Acq: 9 May 2018 7:22

Tgt Ion:330 Resp: 728427
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.0 115.6
 141 26.4 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

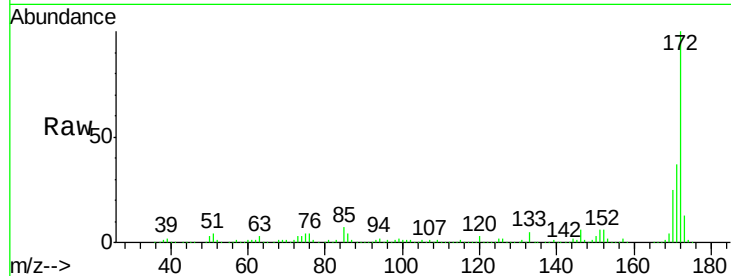




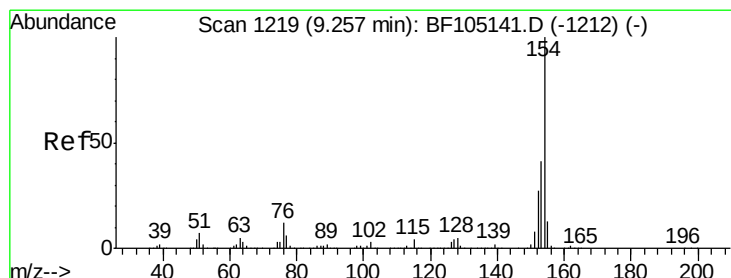
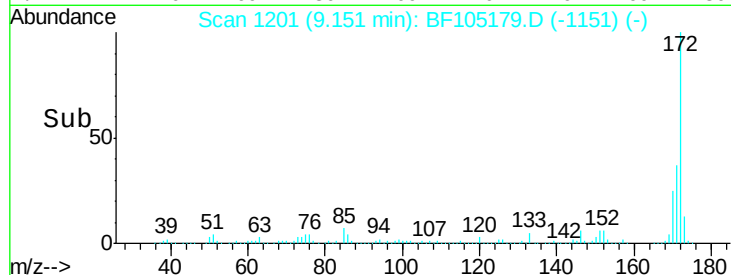
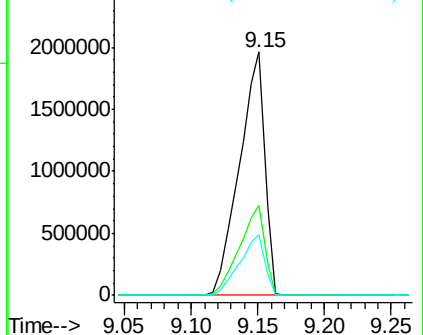
#44
2-Fluorobiphenyl
Concen: 88.949 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF105179.D
Acq: 9 May 2018 7:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 2574613
Ion Ratio Lower Upper
172 100
171 37.2 29.7 44.5
170 24.7 19.6 29.4

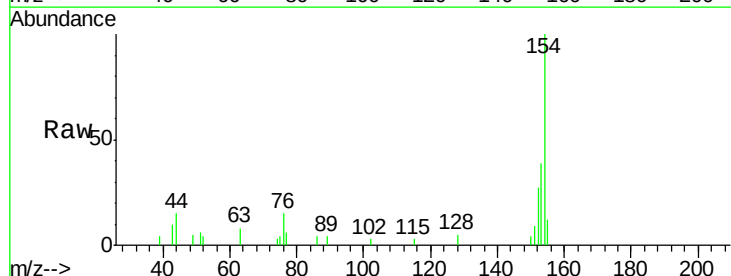


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

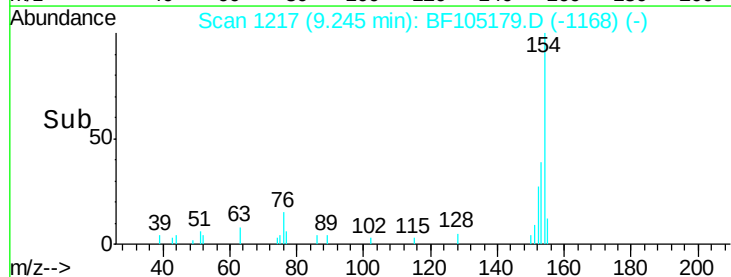
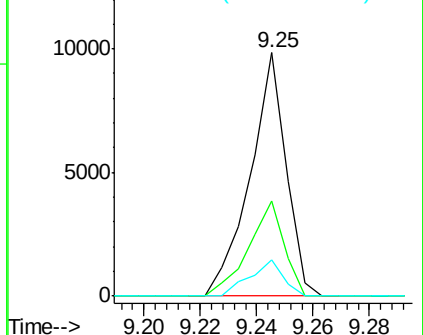


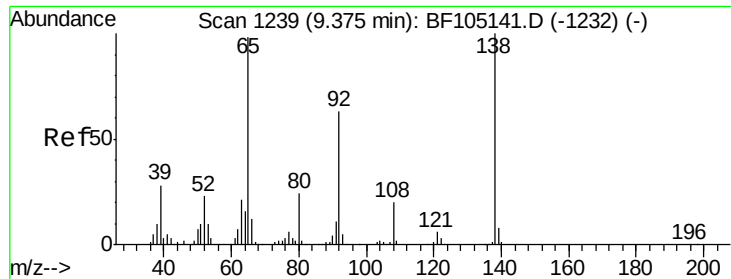
#45
1,1'-Biphenyl
Concen: 0.238 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.01 min
Lab File: BF105179.D
Acq: 9 May 2018 7:22

Tgt Ion:154 Resp: 8711
Ion Ratio Lower Upper
154 100
153 38.9 21.3 61.3
76 14.8 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

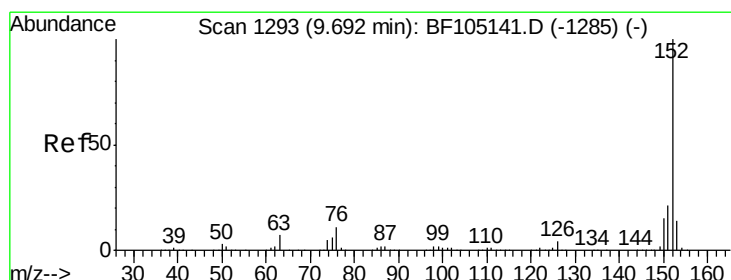
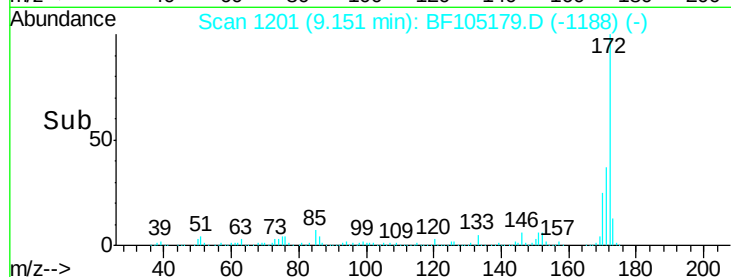
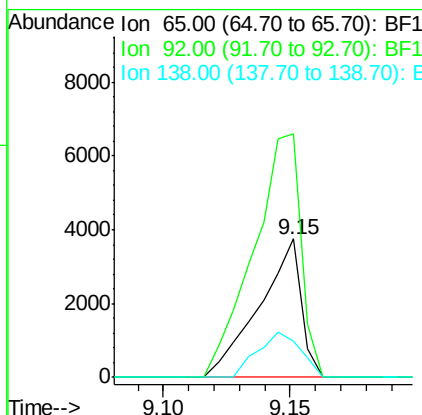
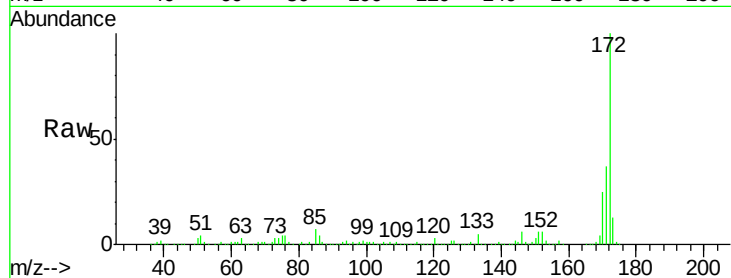




#47
2-Nitroaniline
Concen: 6.285 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.22 min
Lab File: BF105179.D
Acq: 9 May 2018 7:22

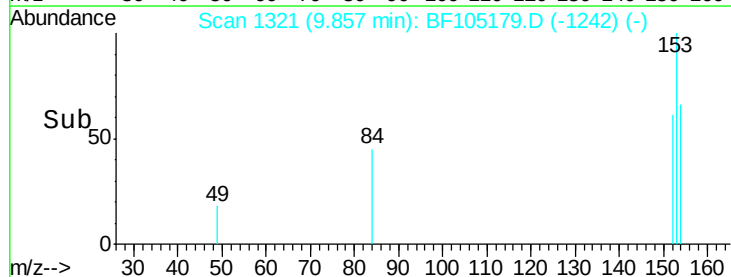
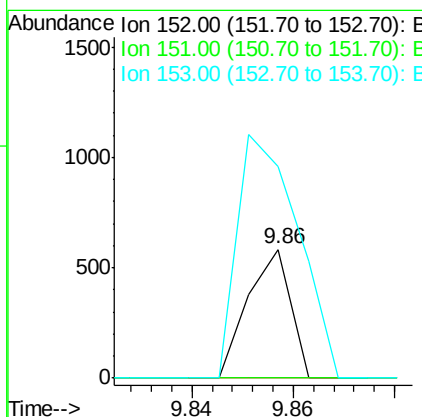
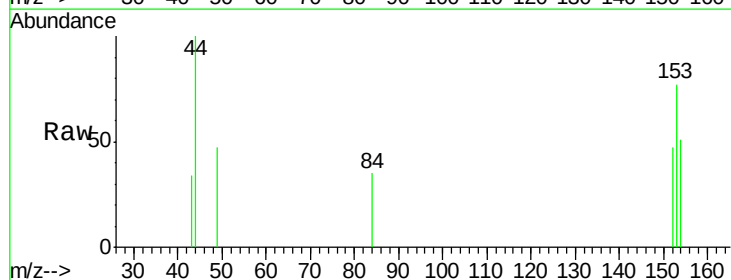
Instrument :
BNA_F
ClientSampleId :

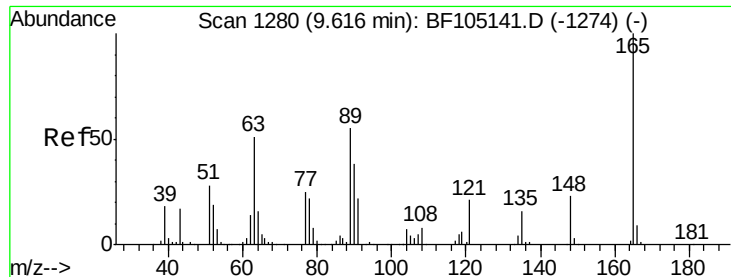
Tot Ion: 65 Resp: 4358
Ion Ratio Lower Upper
65 100
92 175.8 55.8 83.6#
138 26.3 91.2 136.8#



#48
Acenaphthylene
Concen: 0.008 ng
RT: 9.86 min Scan# 1321
Delta R.T. 0.16 min
Lab File: BF105179.D
Acq: 9 May 2018 7:22

Tgt Ion: 152 Resp: 338
Ion Ratio Lower Upper
152 100
151 0.0 16.3 24.5#
153 164.6 10.7 16.1#

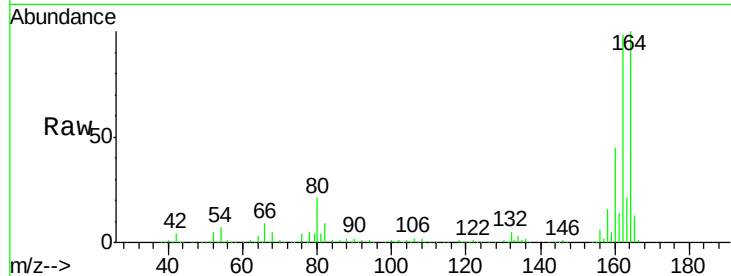




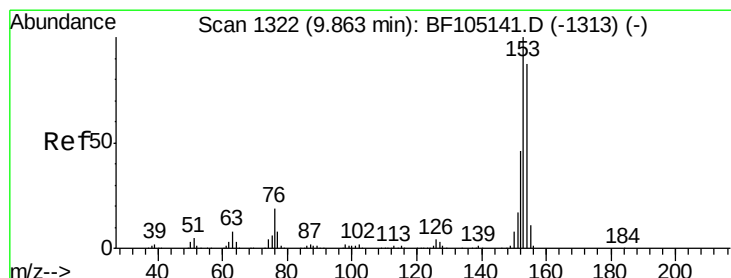
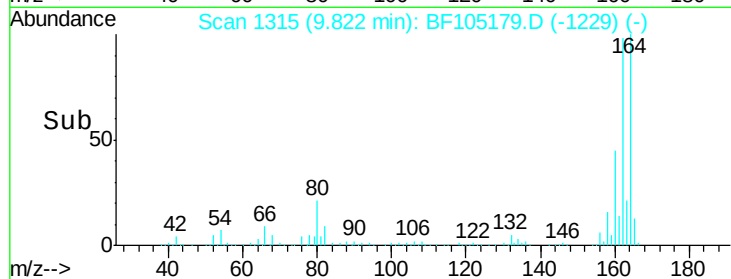
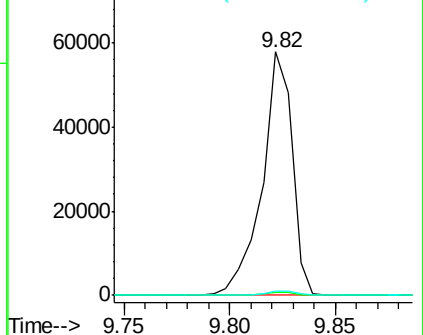
#50
 2,6-Dinitrotoluene
 Concen: 8.685 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.21 min
 Lab File: BF105179.D
 Acq: 9 May 2018 7:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	44.7	67.1#
89	1.5	44.0	66.0#

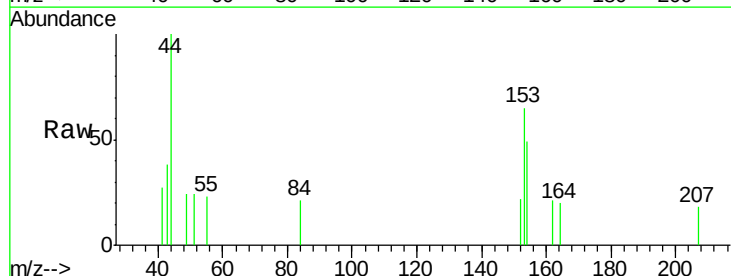


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

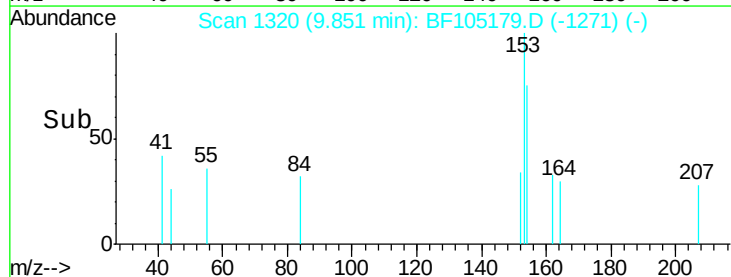
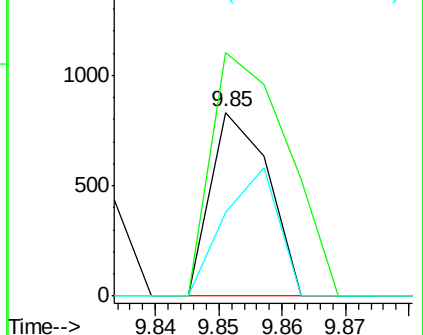


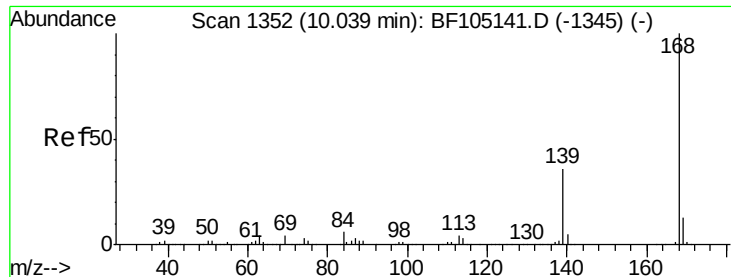
#51
 Acenaphthene
 Concen: 0.019 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF105179.D
 Acq: 9 May 2018 7:22

Tgt Ion	Ratio	Lower	Upper
154	100		
153	132.6	91.2	136.8
152	45.2	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: 0.021 ng

RT: 10.03 min Scan# 1350

Delta R.T. -0.01 min

Lab File: BF105179.D

Acq: 9 May 2018 7:22

Instrument :

BNA_F

ClientSampleId :

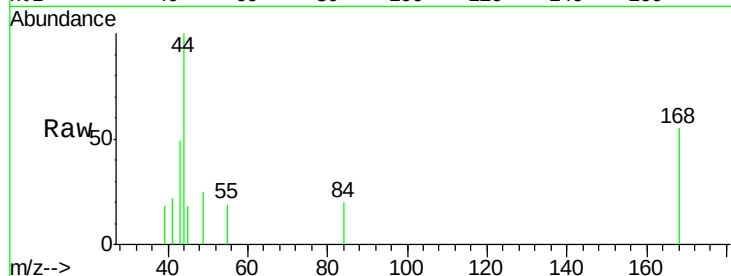
Tot Ion:168 Resp: 821

Ion Ratio Lower Upper

168 100

139 0.0 30.1 45.1#

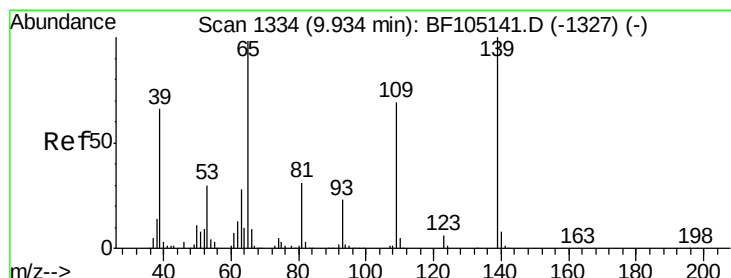
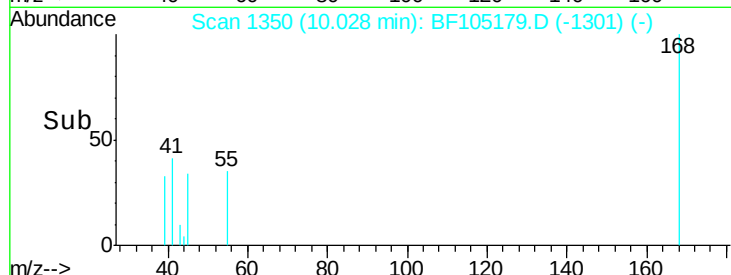
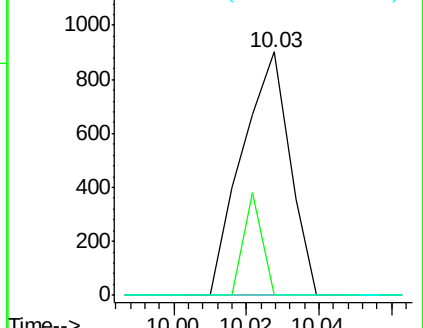
169 0.0 10.9 16.3#



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: 4.321 ng

RT: 10.02 min Scan# 1349

Delta R.T. 0.09 min

Lab File: BF105179.D

Acq: 9 May 2018 7:22

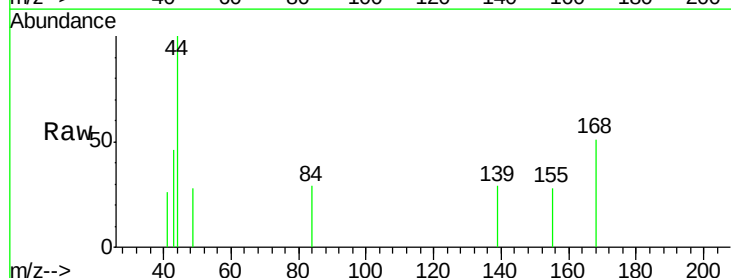
Tgt Ion:139 Resp: 134

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

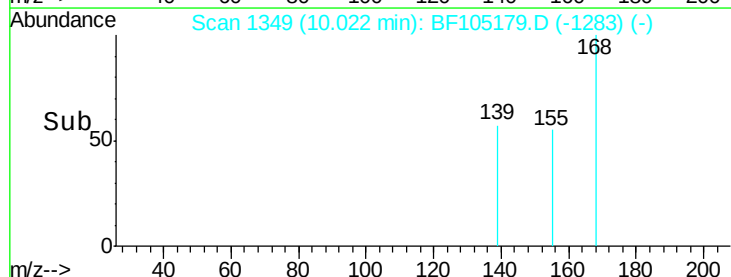
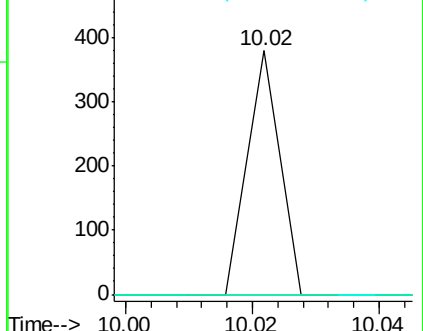
65 0.0 72.6 112.6#

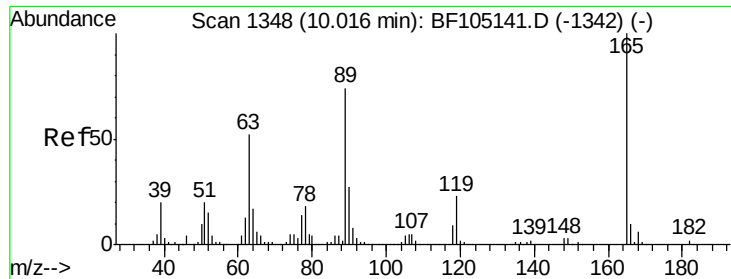


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

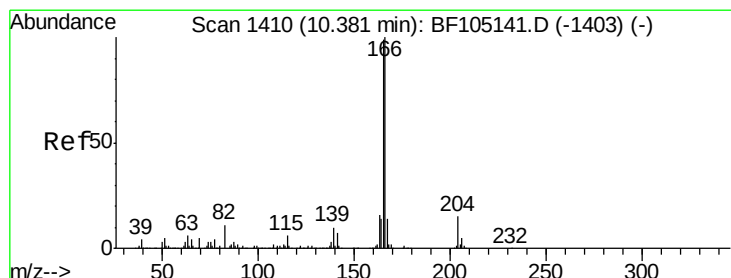
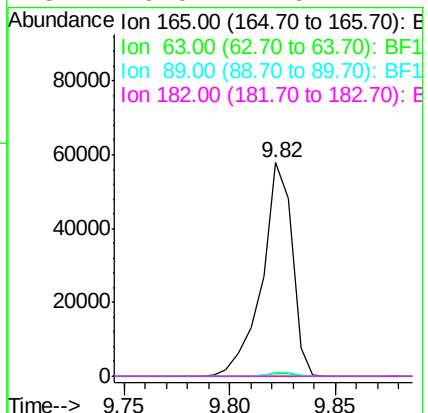
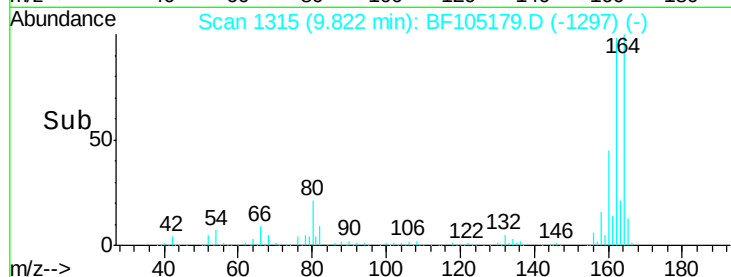
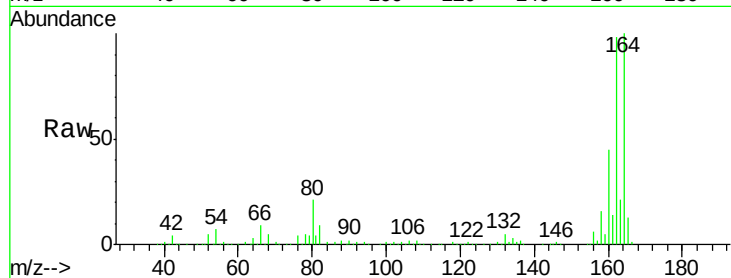




#56
2,4-Dinitrotoluene
Concen: 9.649 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.19 min
Lab File: BF105179.D
Acq: 9 May 2018 7:22

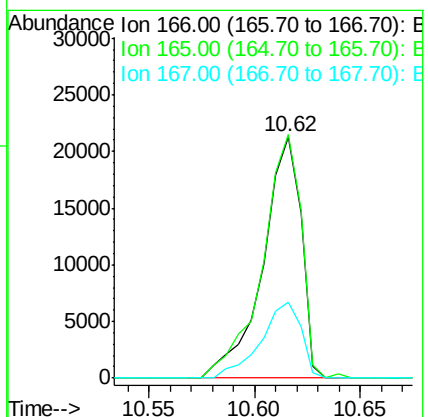
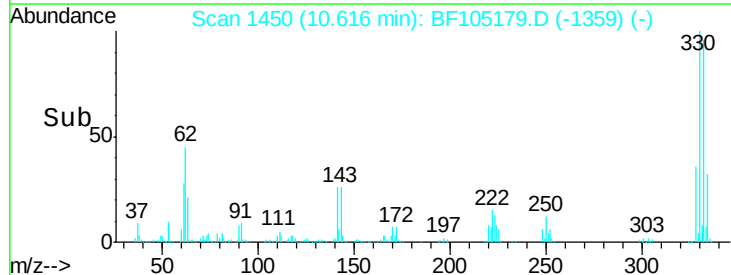
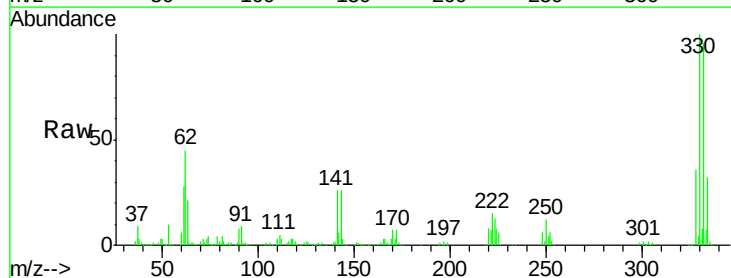
Instrument :
BNA_F
ClientSampleId :

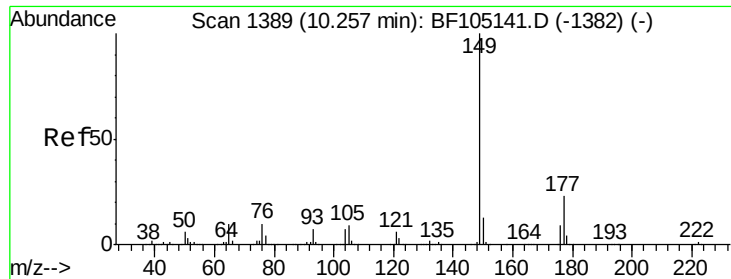
Tot Ion:	165	Resp:	57312
Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#



#57
Fluorene
Concen: 0.922 ng
RT: 10.62 min Scan# 1450
Delta R.T. 0.24 min
Lab File: BF105179.D
Acq: 9 May 2018 7:22

Tgt Ion:	166	Resp:	26936
Ion	Ratio	Lower	Upper
166	100		
165	100.9	79.8	119.8
167	31.7	10.6	16.0#

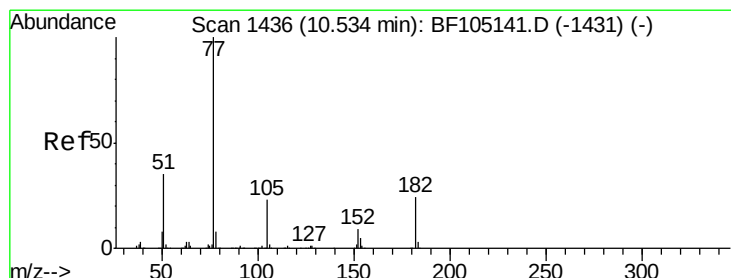
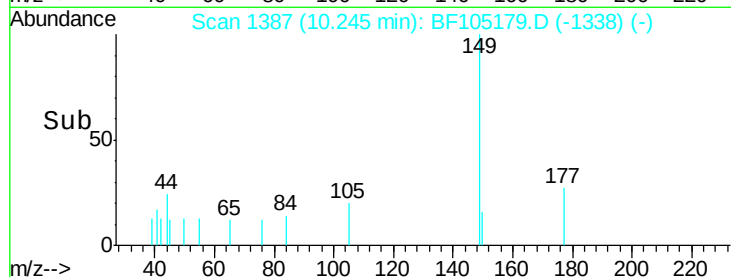
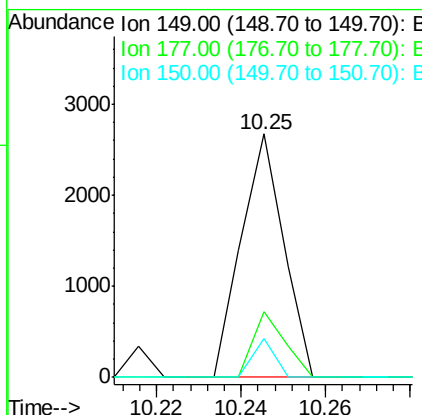
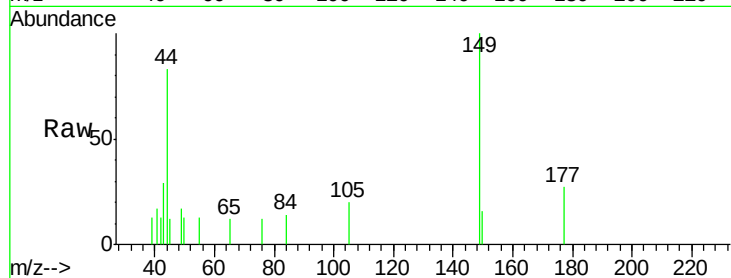




#59
Diethylphthalate
Concen: 0.062 ng
RT: 10.25 min Scan# 1387
Delta R.T. -0.01 min
Lab File: BF105179.D
Acq: 9 May 2018 7:22

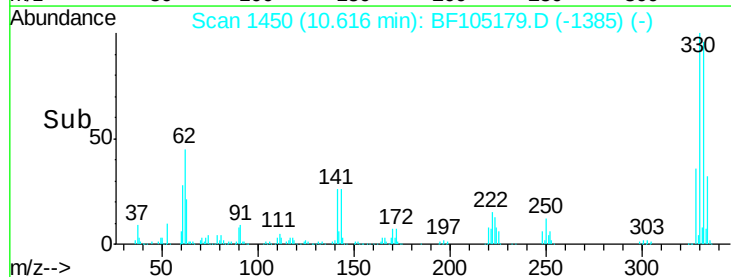
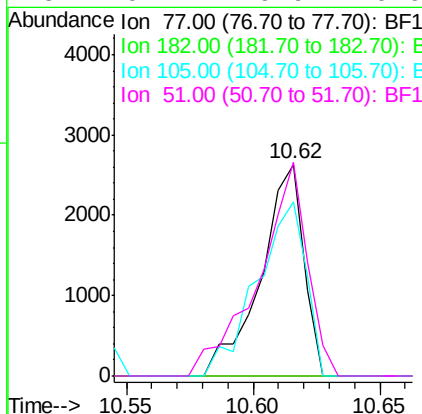
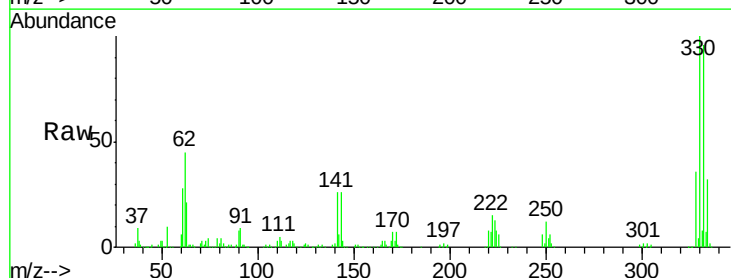
Instrument :
BNA_F
ClientSampleId :

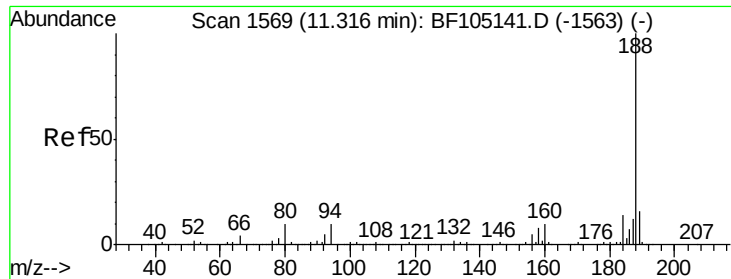
Tot Ion:149 Resp: 1863
Ion Ratio Lower Upper
149 100
177 26.7 16.1 24.1#
150 15.9 10.1 15.1#



#62
Azobenzene
Concen: 0.100 ng
RT: 10.62 min Scan# 1450
Delta R.T. 0.08 min
Lab File: BF105179.D
Acq: 9 May 2018 7:22

Tgt Ion: 77 Resp: 3127
Ion Ratio Lower Upper
77 100
182 0.0 1.7 41.7#
105 82.4 3.0 43.0#
51 101.1 9.9 49.9#

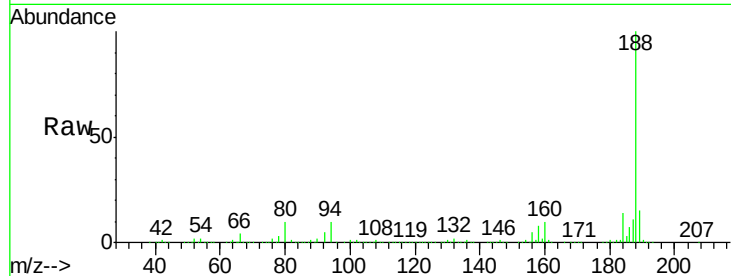




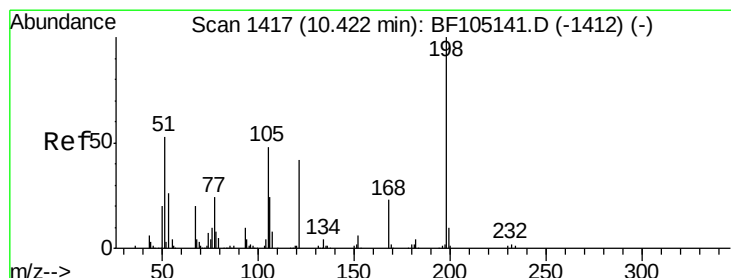
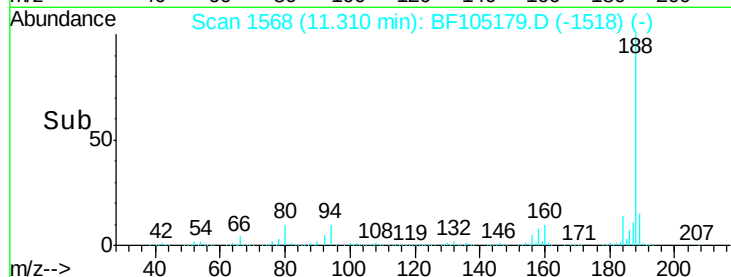
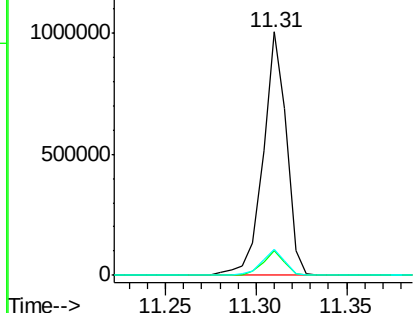
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF105179.D
Acq: 9 May 2018 7:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 890120
Ion Ratio Lower Upper
188 100
94 10.1 8.5 12.7
80 10.5 9.2 13.8

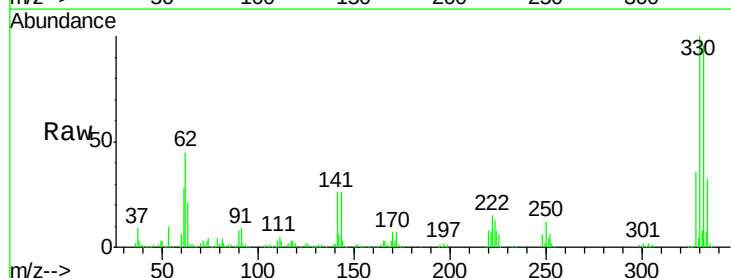


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

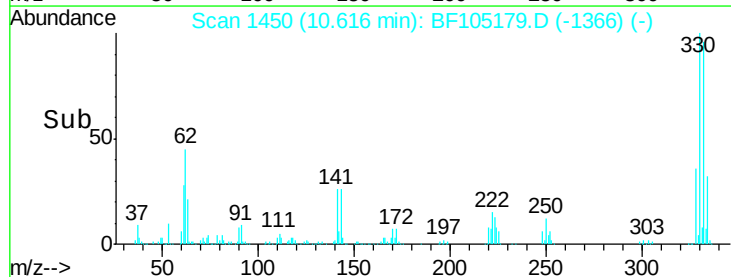
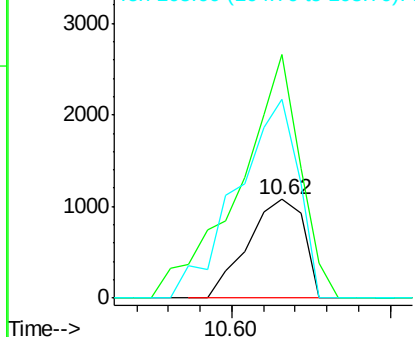


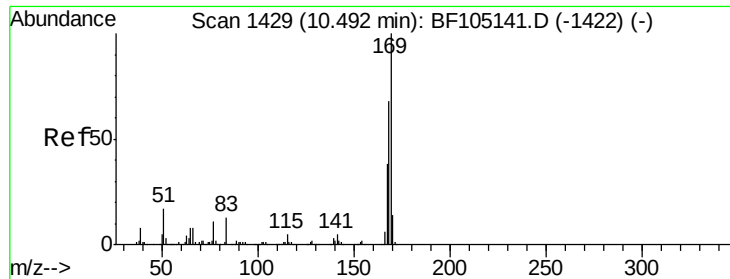
#64
4,6-Dinitro-2-methylphenol
Concen: 9.182 ng
RT: 10.62 min Scan# 1450
Delta R.T. 0.19 min
Lab File: BF105179.D
Acq: 9 May 2018 7:22

Tgt Ion:198 Resp: 1324
Ion Ratio Lower Upper
198 100
51 247.3 37.7 77.7#
105 201.7 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

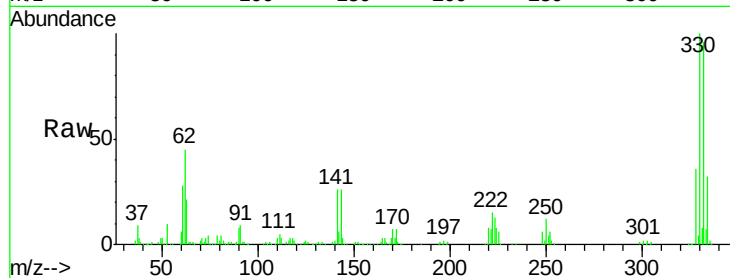




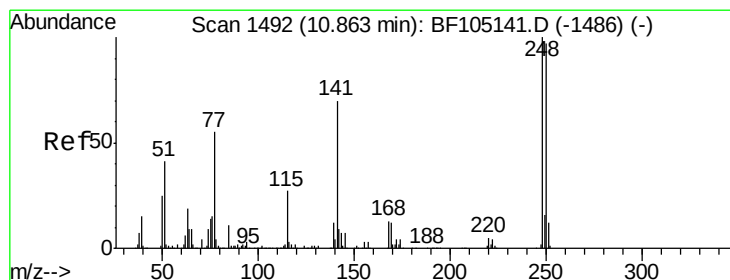
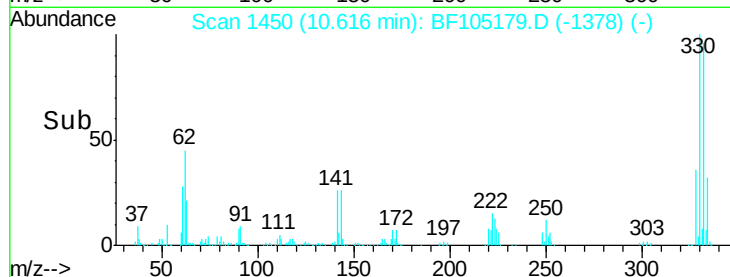
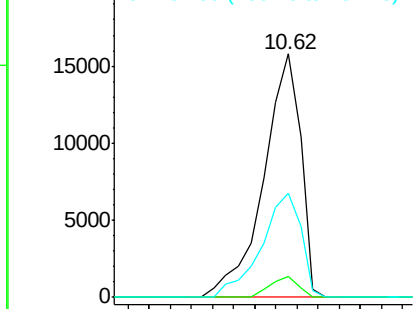
#65
n-Nitrosodiphenylamine
Concen: 0.696 ng
RT: 10.62 min Scan# 1450
Delta R.T. 0.12 min
Lab File: BF105179.D
Acq: 9 May 2018 7:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:169 Resp: 19298
Ion Ratio Lower Upper
169 100
168 8.5 54.4 81.6#
167 42.7 29.8 44.6

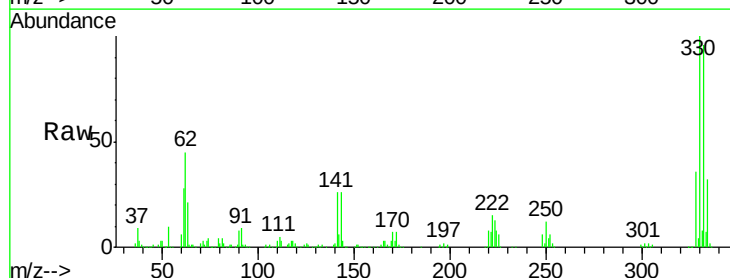


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

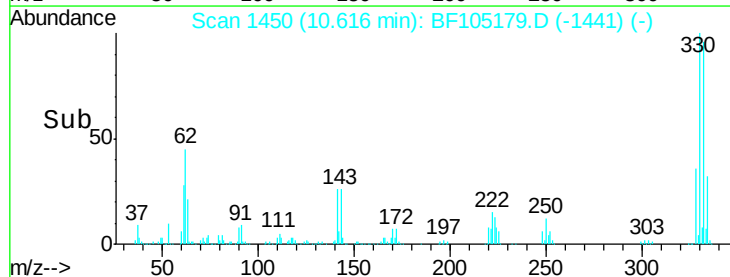
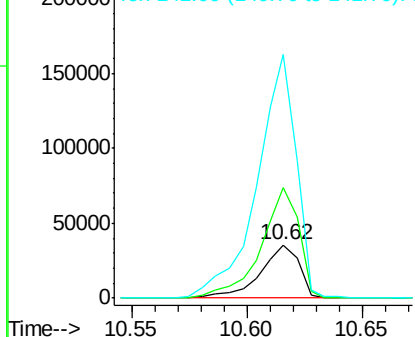


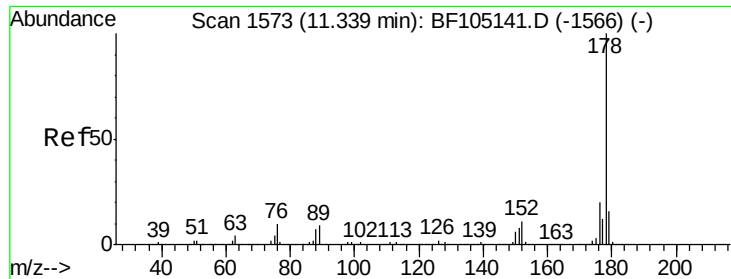
#66
4-Bromophenyl-phenylether
Concen: 4.349 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.25 min
Lab File: BF105179.D
Acq: 9 May 2018 7:22

Tgt Ion:248 Resp: 41282
Ion Ratio Lower Upper
248 100
250 208.3 76.9 115.3#
141 457.3 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: 0.050 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF105179.D

Acq: 9 May 2018 7:22

Instrument :

BNA_F

ClientSampleId :

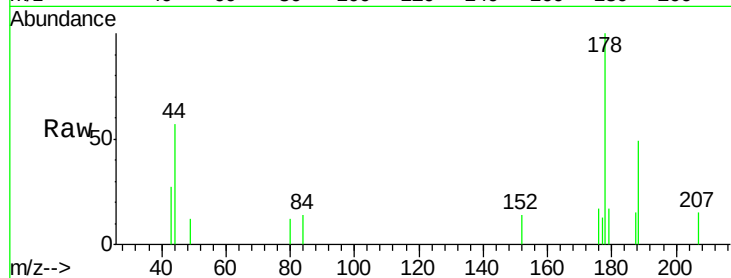
Tot Ion:178 Resp: 2352

Ion Ratio Lower Upper

178 100

176 17.2 15.8 23.8

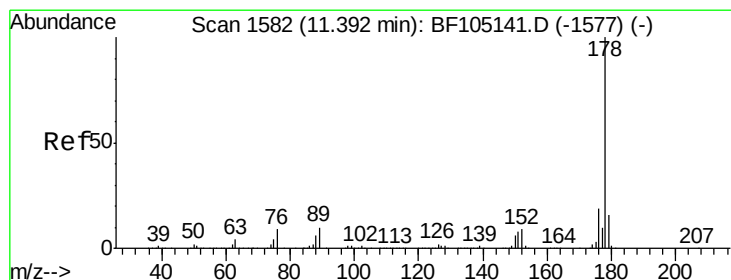
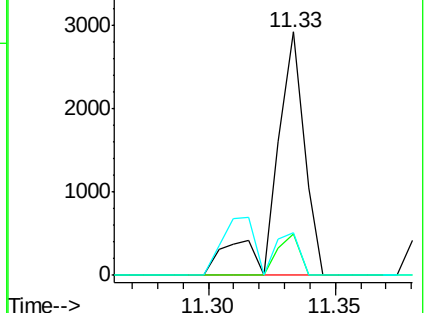
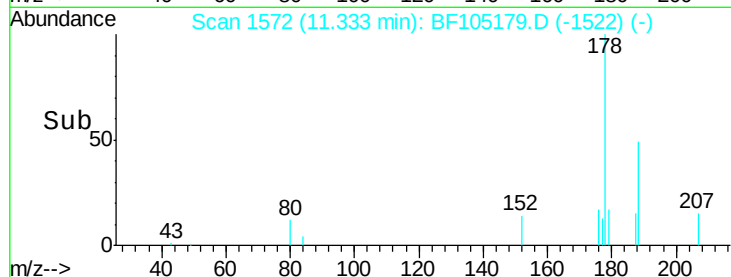
179 17.4 13.0 19.6



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: 0.049 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.06 min

Lab File: BF105179.D

Acq: 9 May 2018 7:22

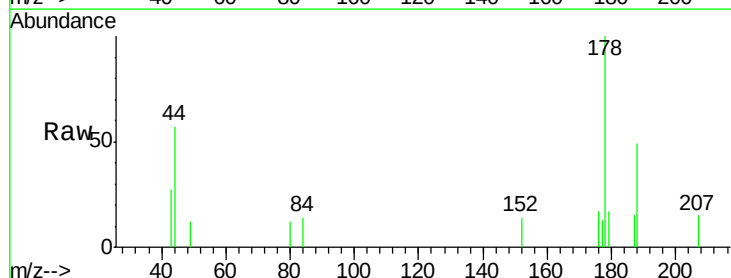
Tgt Ion:178 Resp: 2352

Ion Ratio Lower Upper

178 100

176 17.2 15.4 23.2

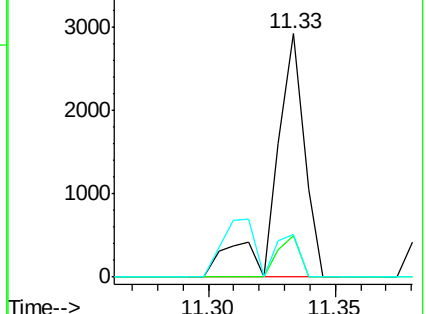
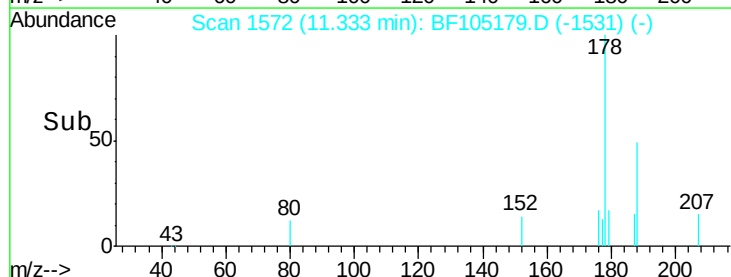
179 17.4 12.6 19.0

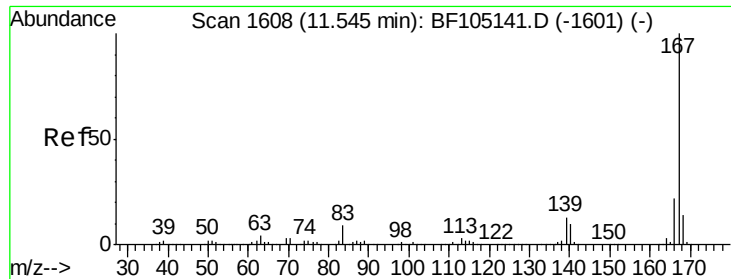


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

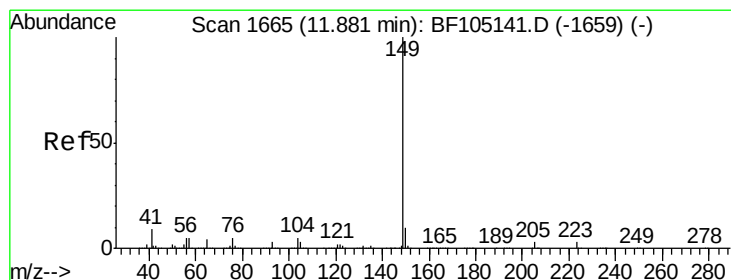
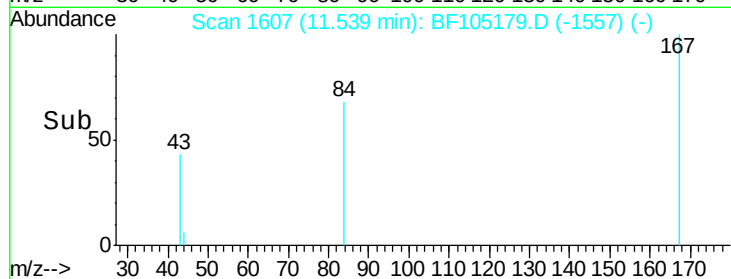
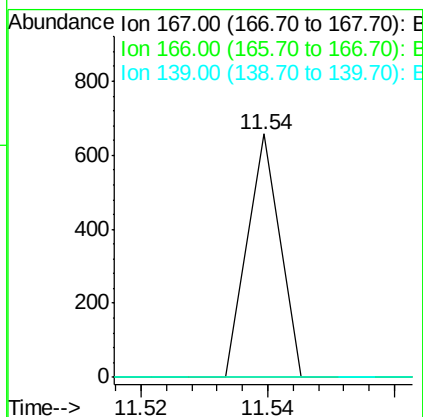
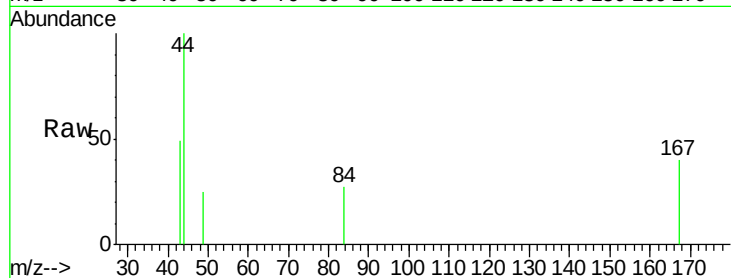




#72
 Carbazole
 Concen: 0.005 ng
 RT: 11.54 min Scan# 1607
 Delta R.T. -0.01 min
 Lab File: BF105179.D
 Acq: 9 May 2018 7:22

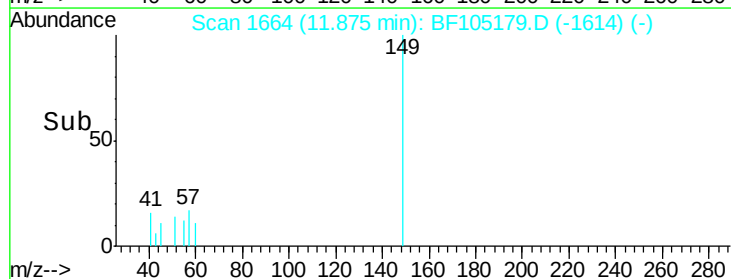
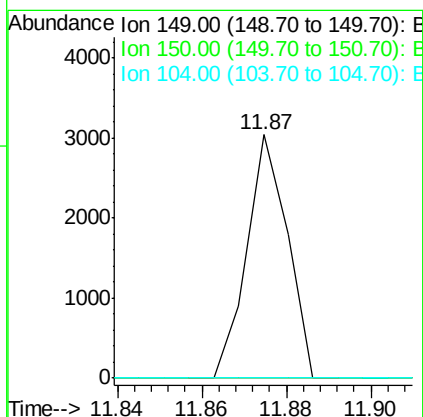
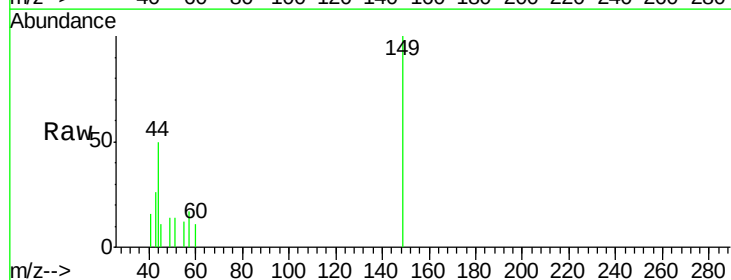
Instrument :
 BNA_F
 ClientSampleId :

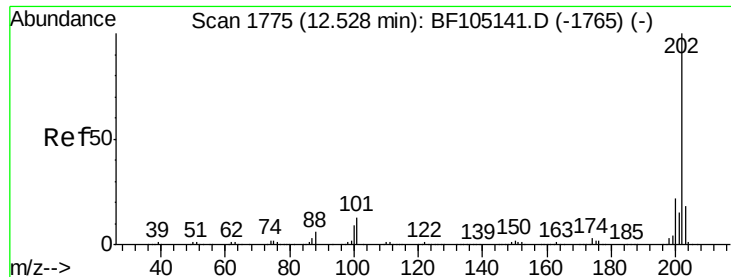
Tot Ion:167 Resp: 232
 Ion Ratio Lower Upper
 167 100
 166 0.0 17.6 26.4#
 139 0.0 10.9 16.3#



#73
 Di-n-butylphthalate
 Concen: 0.044 ng
 RT: 11.87 min Scan# 1664
 Delta R.T. -0.01 min
 Lab File: BF105179.D
 Acq: 9 May 2018 7:22

Tgt Ion:149 Resp: 2029
 Ion Ratio Lower Upper
 149 100
 150 0.0 7.8 11.6#
 104 0.0 3.8 5.8#

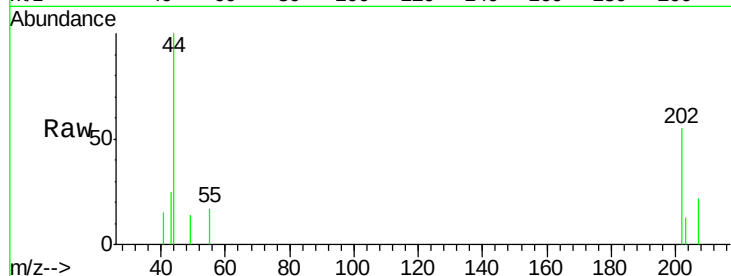




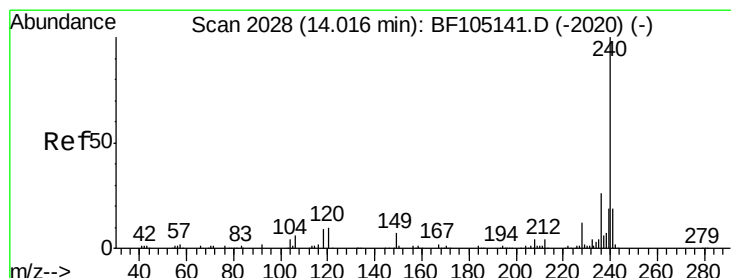
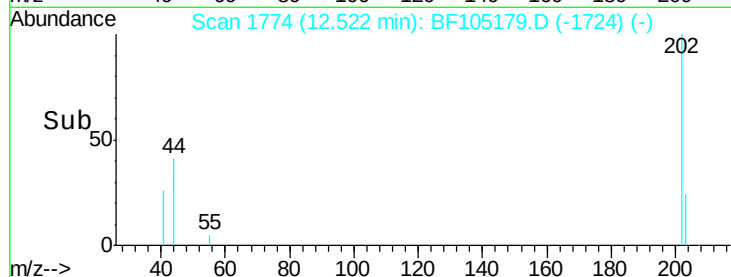
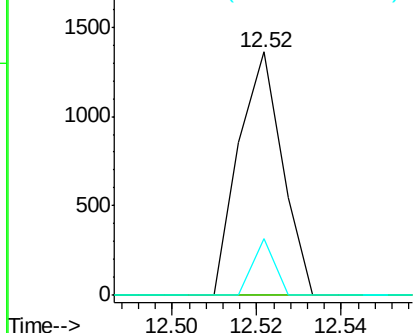
#74
Fluoranthene
Concen: 0.020 ng
RT: 12.52 min Scan# 1774
Delta R.T. -0.01 min
Lab File: BF105179.D
Acq: 9 May 2018 7:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	34.1
203	23.5	0.0	38.1

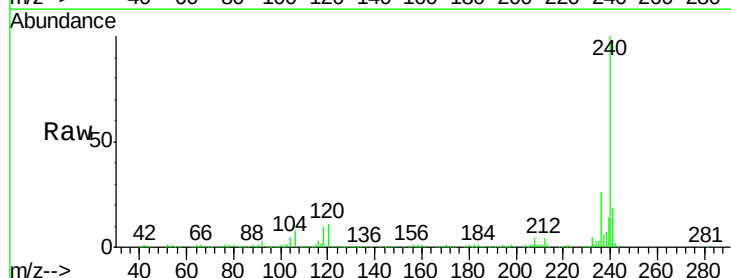


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

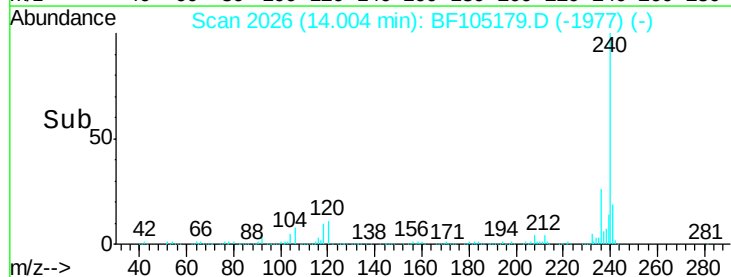
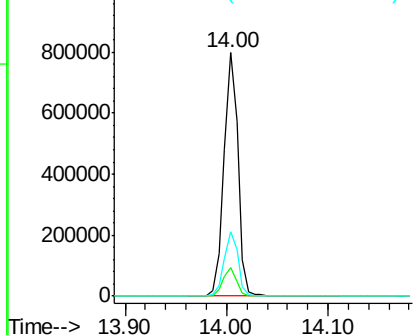


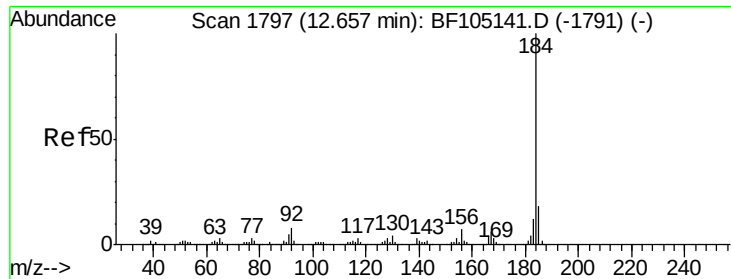
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF105179.D
Acq: 9 May 2018 7:22

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.5	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: 1.254 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.26 min

Lab File: BF105179.D

Acq: 9 May 2018 7:22

Instrument :

BNA_F

ClientSampleId :

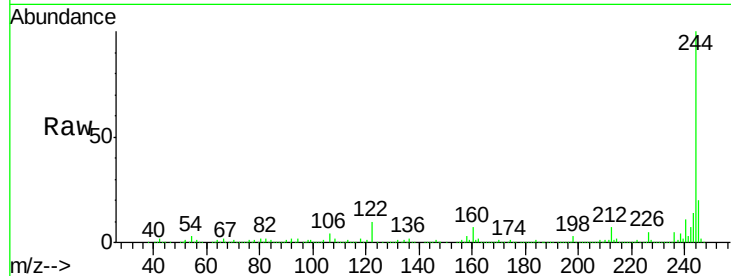
Tot Ion:184 Resp: 35887

Ion Ratio Lower Upper

184 100

185 15.1 12.6 18.8

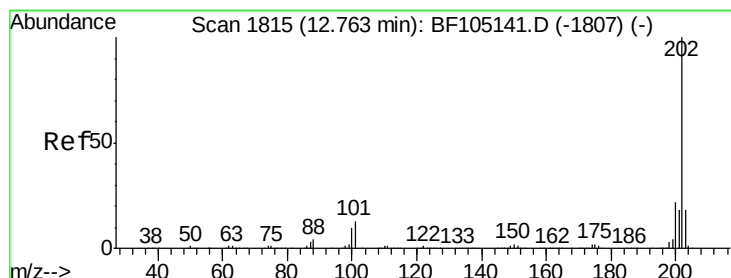
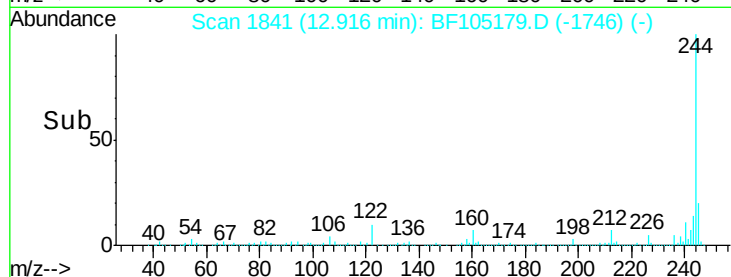
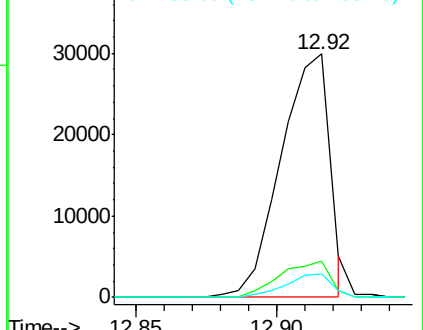
183 9.6 9.3 13.9



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

Pyrene

Concen: 0.015 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.01 min

Lab File: BF105179.D

Acq: 9 May 2018 7:22

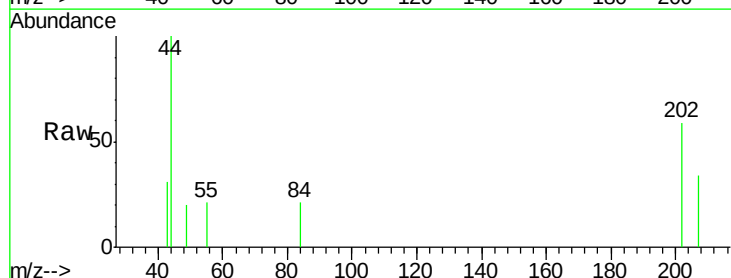
Tgt Ion:202 Resp: 860

Ion Ratio Lower Upper

202 100

200 0.0 17.4 26.2#

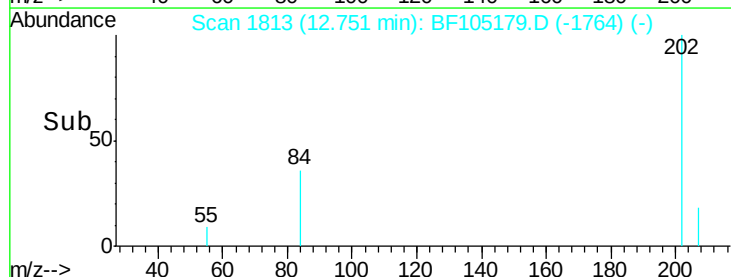
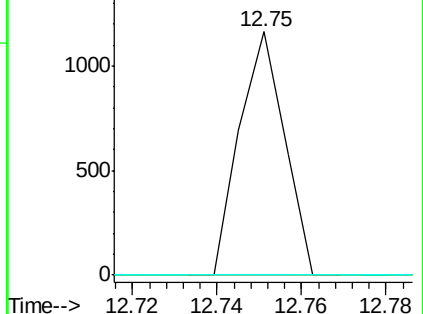
203 0.0 14.3 21.5#

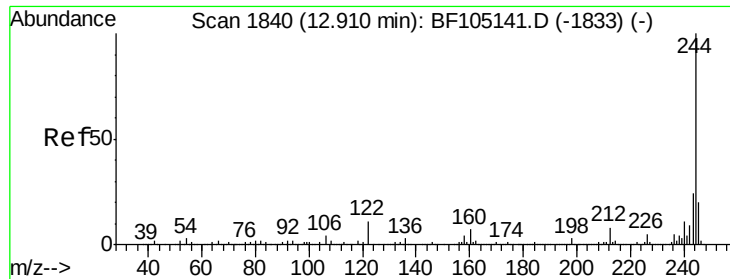


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 84.417 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.01 min

Lab File: BF105179.D

Acq: 9 May 2018 7:22

Instrument :

BNA_F

ClientSampleId :

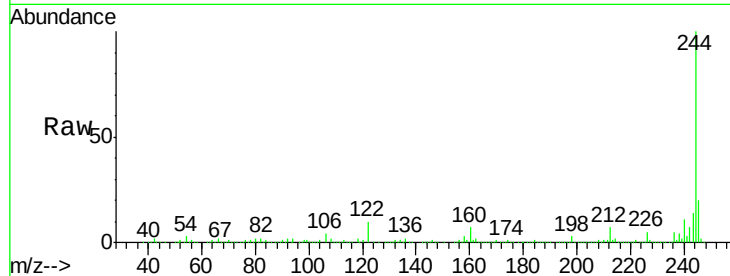
Tot Ion:244 Resp: 2785623

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

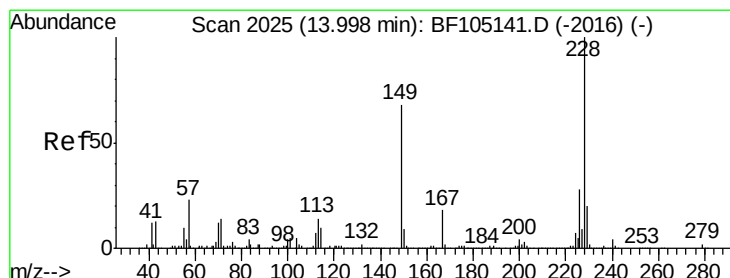
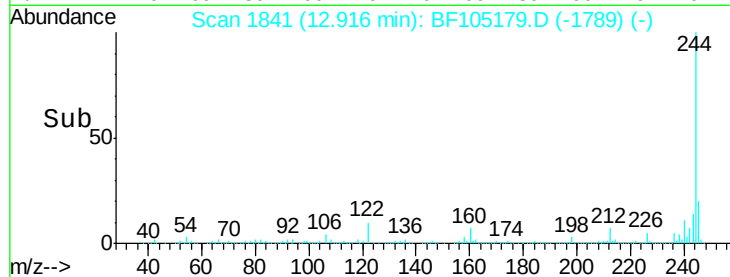
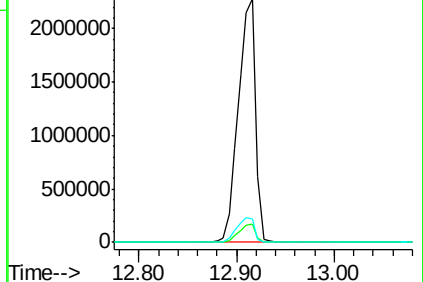
122 9.7 11.0 16.4#



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: 0.041 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BF105179.D

Acq: 9 May 2018 7:22

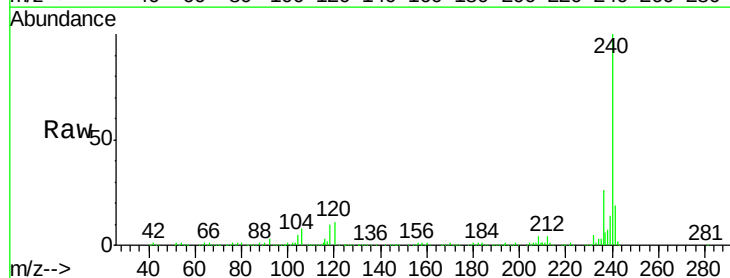
Tgt Ion:228 Resp: 1916

Ion Ratio Lower Upper

228 100

226 0.0 22.6 33.8#

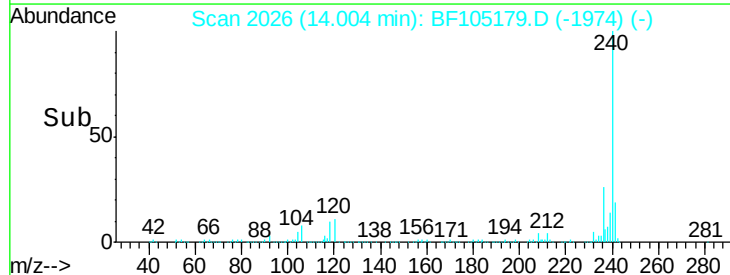
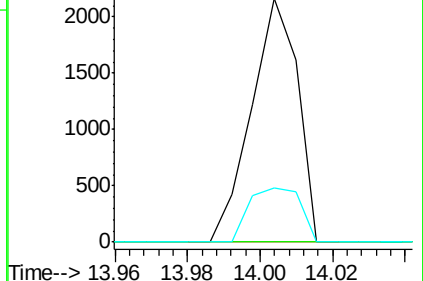
229 22.4 15.8 23.6

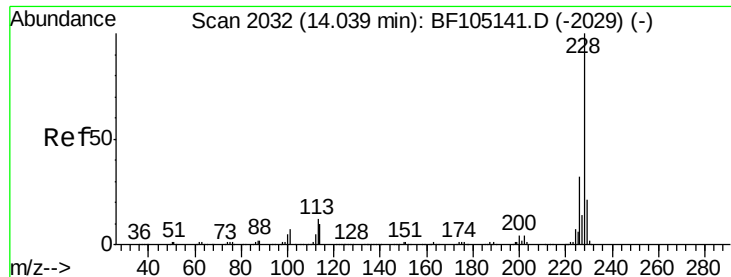


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 0.040 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.04 min

Lab File: BF105179.D

Acq: 9 May 2018 7:22

Instrument :

BNA_F

ClientSampleId :

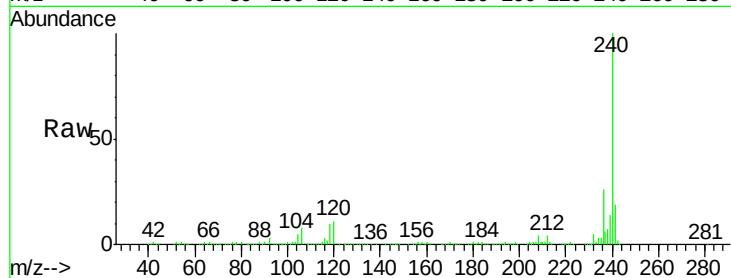
Tot Ion:228 Resp: 1916

Ion Ratio Lower Upper

228 100

226 0.0 25.0 37.6#

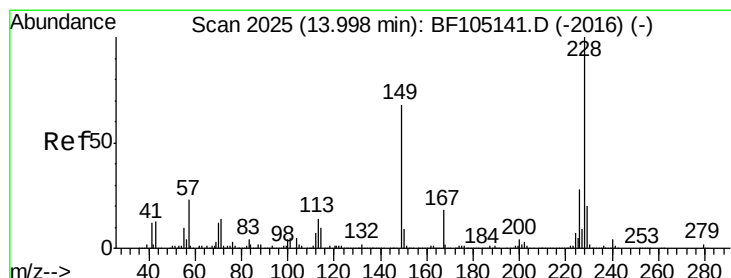
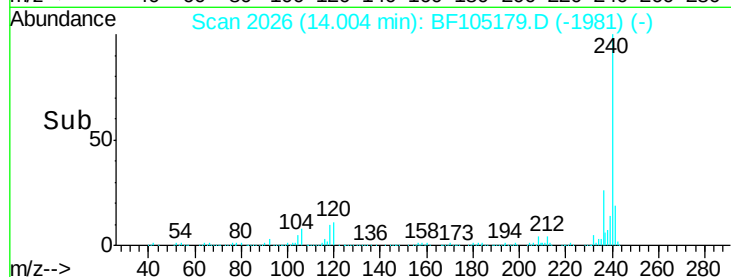
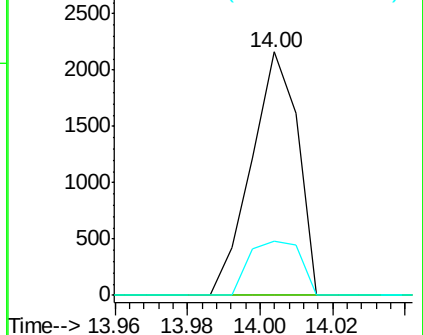
229 22.4 16.2 24.4



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: 0.015 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF105179.D

Acq: 9 May 2018 7:22

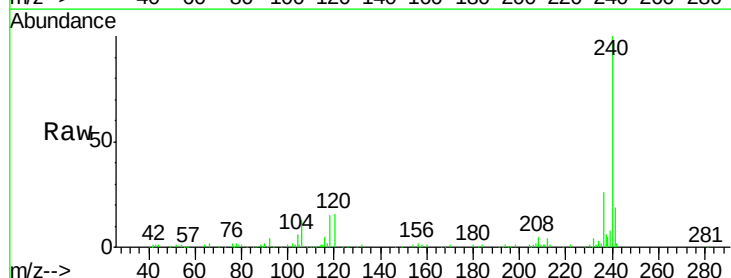
Tgt Ion:149 Resp: 346

Ion Ratio Lower Upper

149 100

167 0.0 21.3 31.9#

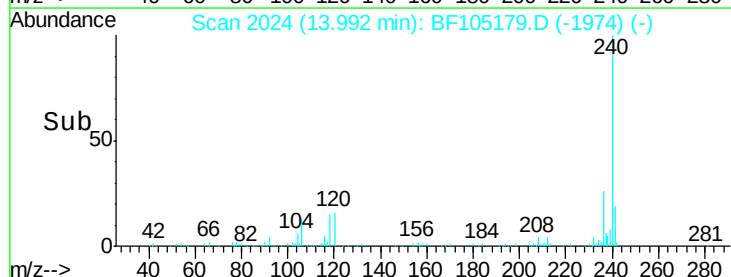
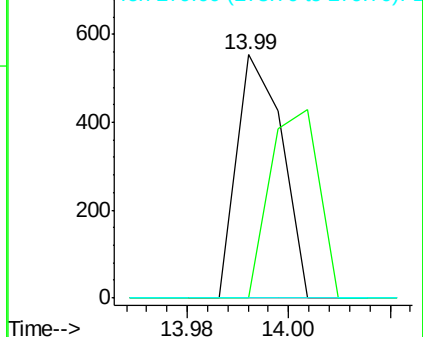
279 0.0 3.0 4.4#

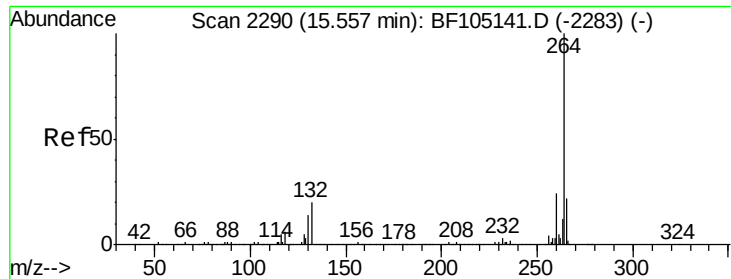


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

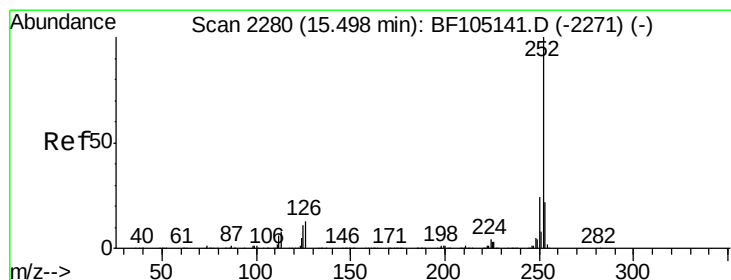
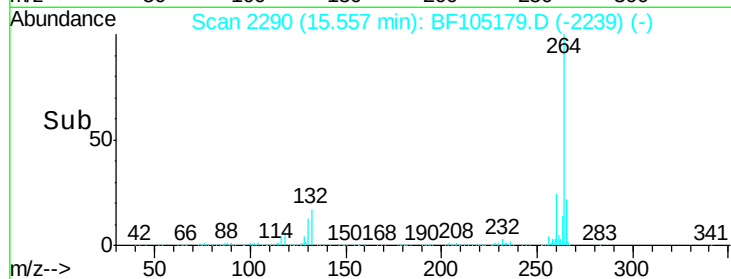
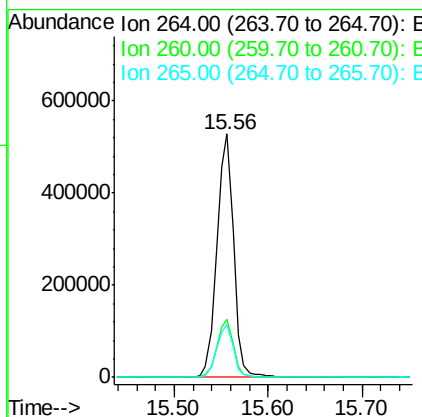
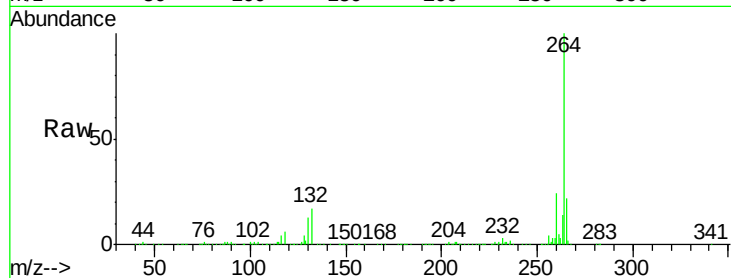




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.00 min
Lab File: BF105179.D
Acq: 9 May 2018 7:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 662157
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 21.8 17.5 26.3



#89
Benzo(a)pyrene
Concen: 0.061 ng
RT: 15.56 min Scan# 2290
Delta R.T. 0.06 min
Lab File: BF105179.D
Acq: 9 May 2018 7:22

Tgt Ion:252 Resp: 2249
Ion Ratio Lower Upper
252 100
253 43.1 17.1 25.7#
125 0.0 9.8 14.6#

