

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050818\
 Data File : BF105173.D
 Acq On : 9 May 2018 4:44
 Operator : JU/SJ
 Sample : PB108302BL
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 09 11:39:02 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	245267	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	993309	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	492394	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	986331	20.00	ng	0.00
75) Chrysene-d12	14.01	240	867862	20.00	ng	0.00
86) Perylene-d12	15.56	264	783155	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	1207184	81.09	ng	0.01
7) Phenol-d6	6.42	99	1478147	83.38	ng	0.00
23) Nitrobenzene-d5	7.36	82	1316289	89.81	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	467489	86.05	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	2408547	75.92	ng	0.00
78) Terphenyl-d14	12.92	244	2674664	71.59	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.52	88	135	0.017	ng	# 1
3) Pyridine	3.49	79	114	0.005	ng	# 1
4) n-Nitrosodimethylamine	3.32	42	128	0.012	ng	# 1
6) Aniline	6.56	93	1792	0.069	ng	# 1
8) 2-Chlorophenol	6.57	128	730	0.046	ng	# 1
9) Benzaldehyde	6.42	77	2277	0.168	ng	# 1
10) Phenol	6.42	94	424	0.021	ng	# 1
11) bis(2-Chloroethyl)ether	6.56	93	1792	0.110	ng	# 1
12) 1,3-Dichlorobenzene	6.95	146	567	0.030	ng	# 1
13) 1,4-Dichlorobenzene	6.95	146	567	0.030	ng	# 1
14) 1,2-Dichlorobenzene	6.95	146	567	0.032	ng	# 1
15) Benzyl Alcohol	6.95	79	21025	1.550	ng	# 36
17) 2-Methylphenol	6.95	107	109	0.008	ng	# 1
19) n-Nitroso-di-n-propylamine	7.36	70	179017	15.252	ng	# 85
20) 3+4-Methylphenols	6.95	107	109	0.007	ng	# 1
24) Nitrobenzene	7.36	77	4409	0.265	ng	# 35
25) Isophorone	7.36	82	1316274	40.158	ng	# 64
36) 4-Chloro-3-methylphenol	8.35	107	109	0.008	ng	# 20
45) 1,1'-Biophenyl	9.25	154	7817	0.195	ng	# 97
47) 2-Nitroaniline	9.15	65	4042	6.210	ng	# 1
50) 2,6-Dinitrotoluene	9.83	165	62771	8.679	ng	# 26
51) Acenaphthene	9.83	154	1548	0.052	ng	# 4
56) 2,4-Dinitrotoluene	9.83	165	62771	9.645	ng	# 23
57) Fluorene	10.61	166	17501	0.547	ng	# 92
59) Diethylphthalate	10.25	149	109	0.003	ng	# 61
62) Azobenzene	10.61	77	1902	0.056	ng	# 6
64) 4,6-Dinitro-2-methylphenol	10.62	198	784	8.988	ng	# 1
65) n-Nitrosodiphenylamine	10.62	169	12358	0.402	ng	# 48
66) 4-Bromophenyl-phenylether	10.62	248	26331	2.503	ng	# 1
70) Phenanthrene	11.31	178	149	0.003	ng	# 1
71) Anthracene	11.31	178	149	0.003	ng	# 1
76) Benzydine	12.64	184	1716	0.053	ng	# 87
77) Pvrene	12.91	202	9036	0.143	ng	# 74
79) Butylbenzylphthalate	13.45	149	345	6.912	ng	# 23

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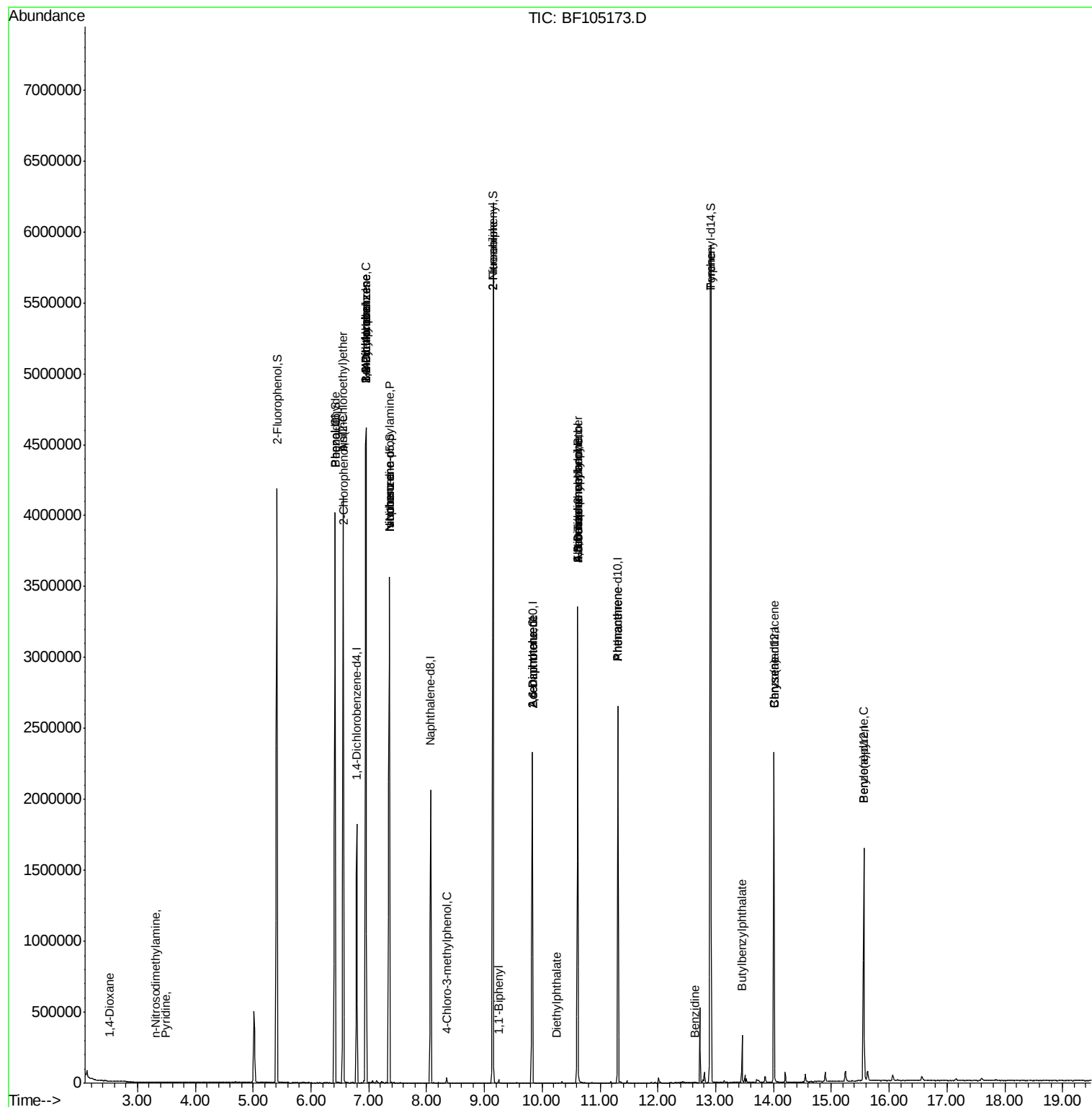
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Benzo(a)anthracene	14.01	228	2094	0.040	ng	# 59
82) Chrysene	14.01	228	2094	0.039	ng	# 57
89) Benzo(a)pyrene	15.56	252	2560	0.059	ng	# 79

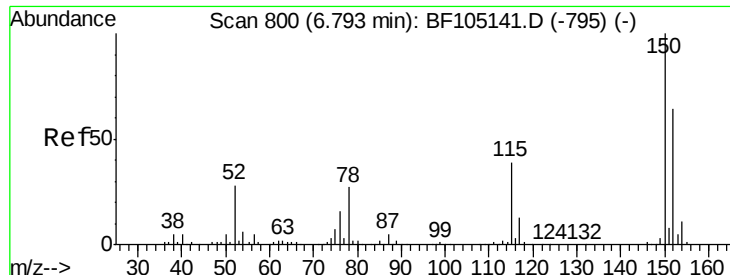
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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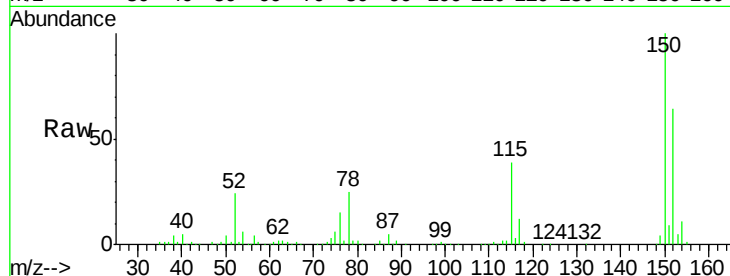


#1

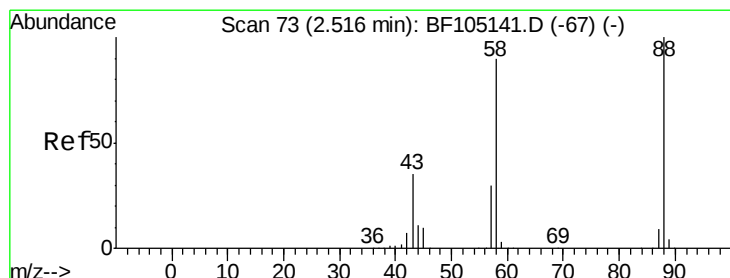
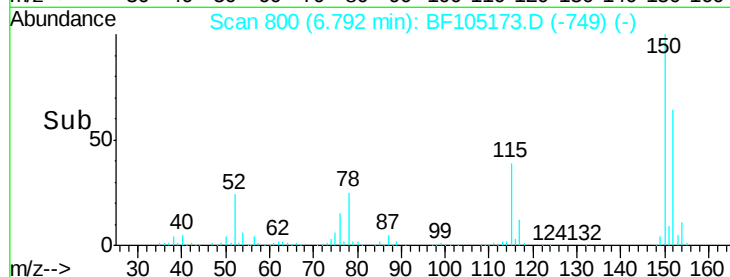
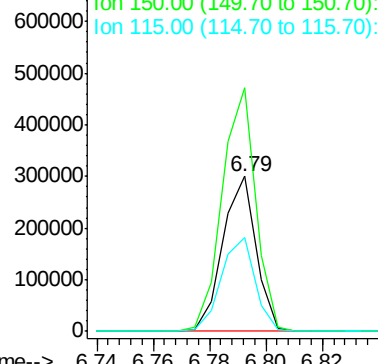
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF105173.D
Acq: 9 May 2018 4:44

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 245267
Ion Ratio Lower Upper
152 100
150 157.0 124.6 186.8
115 60.9 50.1 75.1



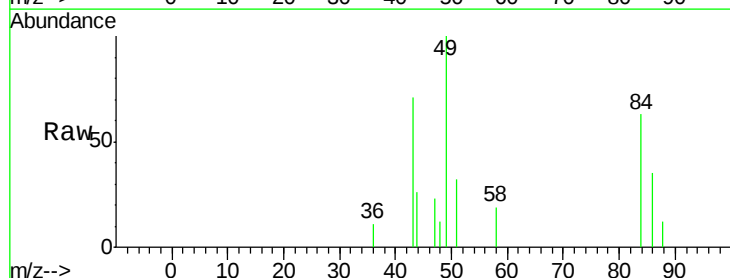
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



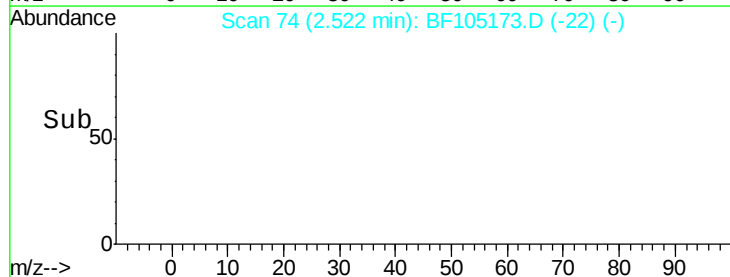
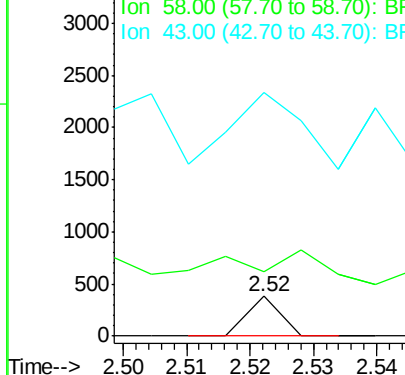
#2

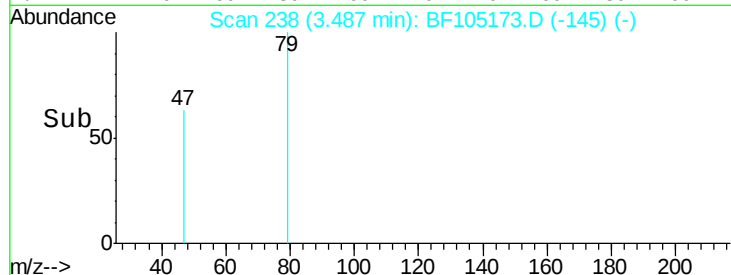
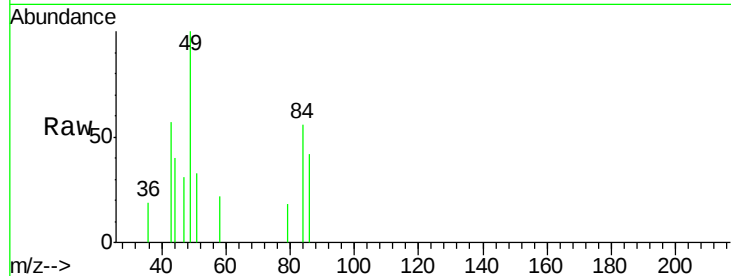
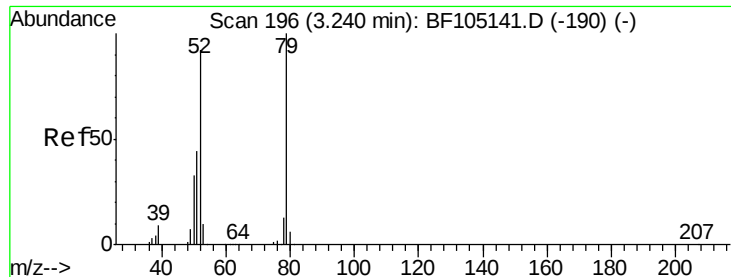
1,4-Dioxane
Concen: 0.017 ng
RT: 2.52 min Scan# 74
Delta R.T. 0.01 min
Lab File: BF105173.D
Acq: 9 May 2018 4:44

Tgt Ion: 88 Resp: 135
Ion Ratio Lower Upper
88 100
58 211.1 62.6 93.8#
43 404.4 24.6 37.0#



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1

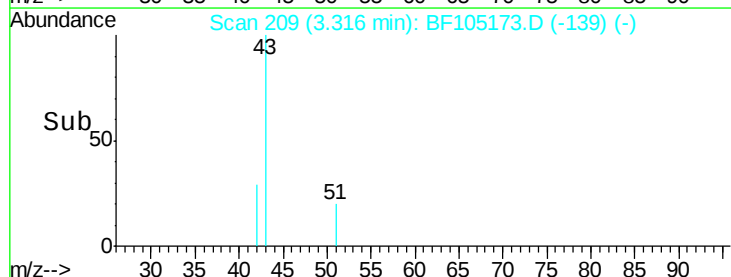
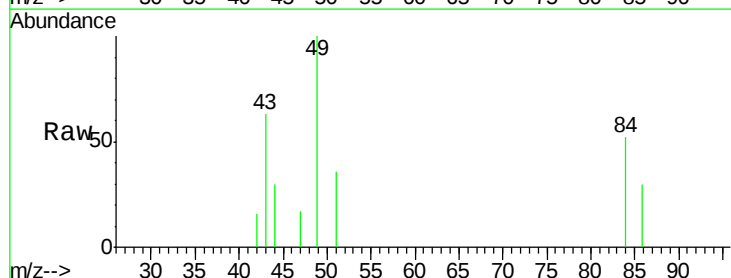
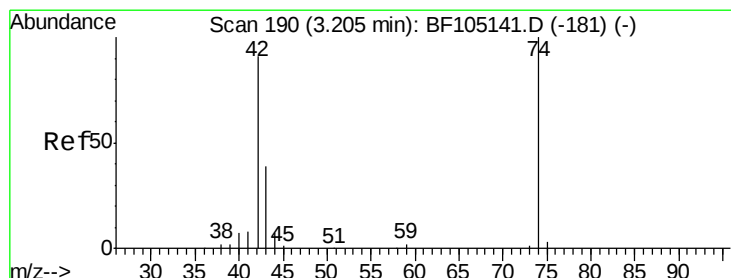
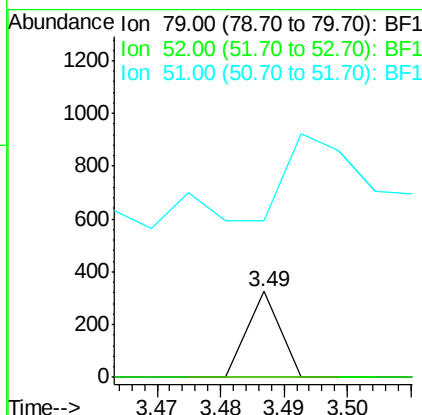




#3
Pvridine
Concen: 0.005 ng
RT: 3.49 min Scan# 238
Delta R.T. 0.25 min
Lab File: BF105173.D
Acq: 9 May 2018 4:44

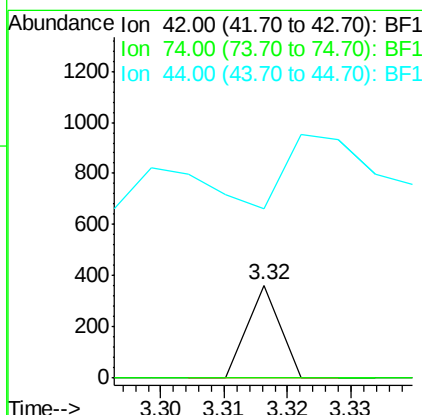
Instrument :
BNA_F
ClientSampleId :

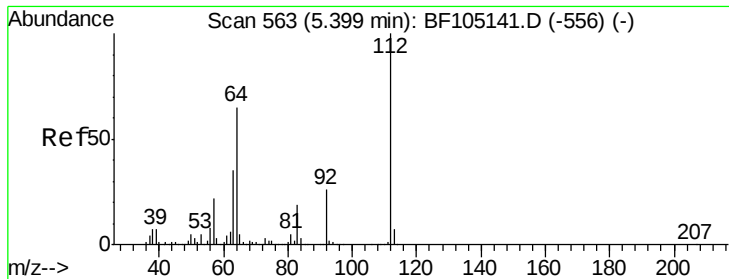
Tot Ion: 79 Resp: 114
Ion Ratio Lower Upper
79 100
52 0.0 59.8 89.6#
51 183.6 29.8 44.8#



#4
n-Nitrosodimethylamine
Concen: 0.012 ng
RT: 3.32 min Scan# 209
Delta R.T. 0.11 min
Lab File: BF105173.D
Acq: 9 May 2018 4:44

Tgt Ion: 42 Resp: 128
Ion Ratio Lower Upper
42 100
74 0.0 104.9 157.3#
44 181.9 6.9 10.3#





#5

2-Fluorophenol

Concen: 81.085 ng

RT: 5.41 min Scan# 565

Delta R.T. 0.01 min

Lab File: BF105173.D

Acq: 9 May 2018 4:44

Instrument :

BNA_F

ClientSampled :

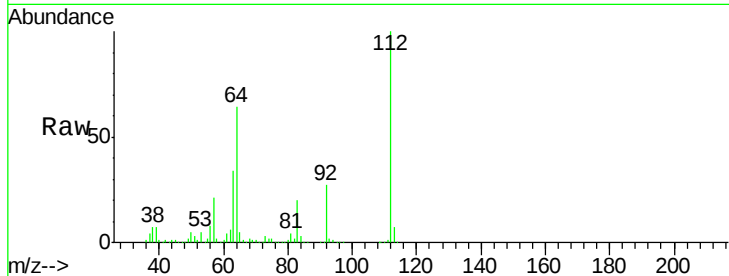
Tot Ion:112 Resp: 1207184

Ion Ratio Lower Upper

112 100

64 64.0 47.9 71.9

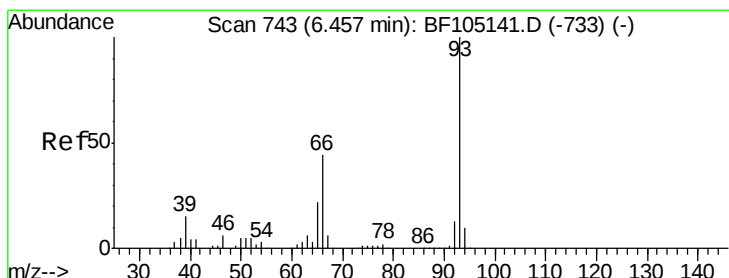
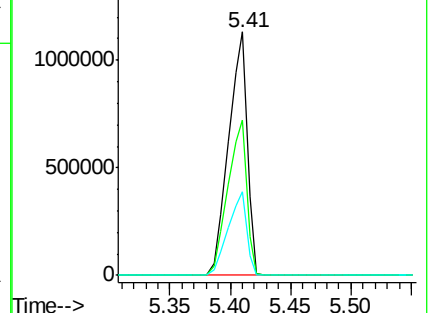
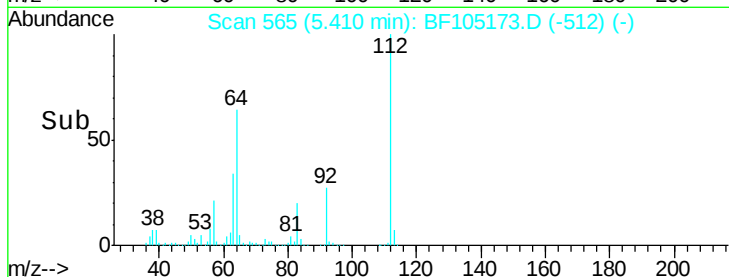
63 34.3 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 0.069 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.11 min

Lab File: BF105173.D

Acq: 9 May 2018 4:44

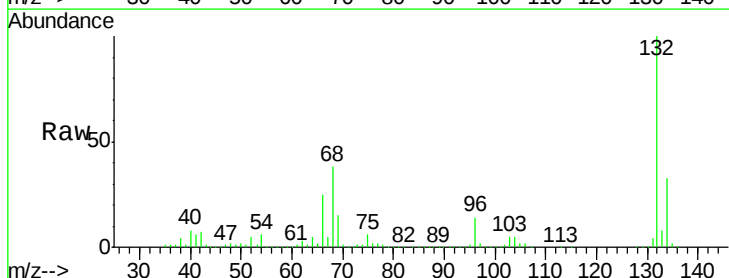
Tgt Ion: 93 Resp: 1792

Ion Ratio Lower Upper

93 100

66 14889.5 32.2 48.2#

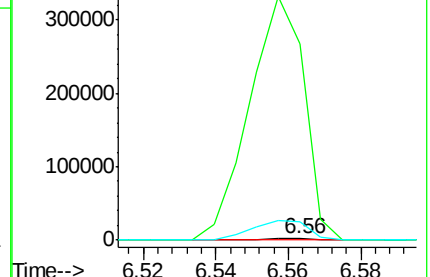
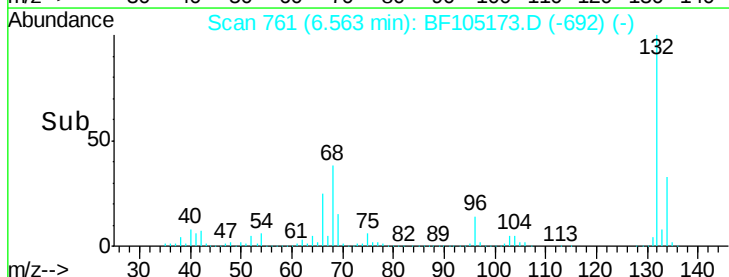
65 1365.9 16.4 24.6#

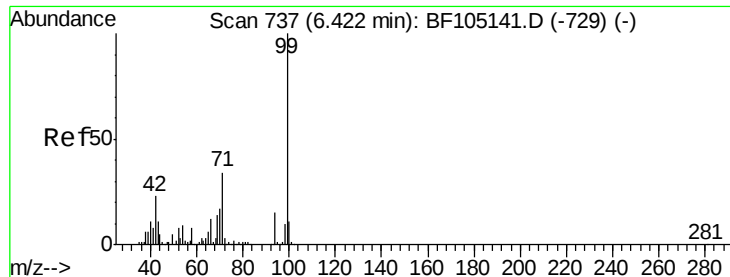


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 83.384 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF105173.D

Acq: 9 May 2018 4:44

Instrument :

BNA_F

ClientSampleId :

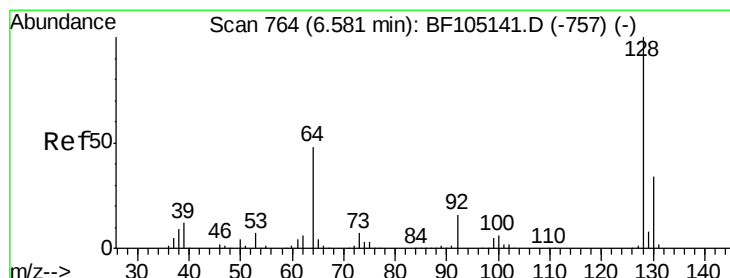
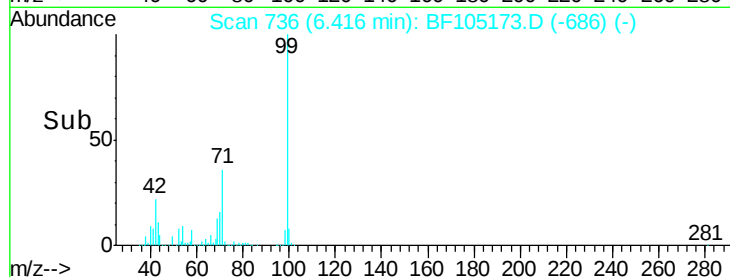
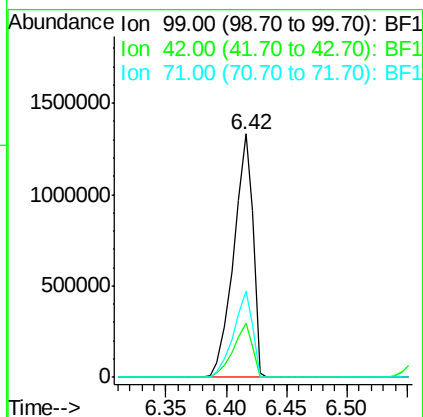
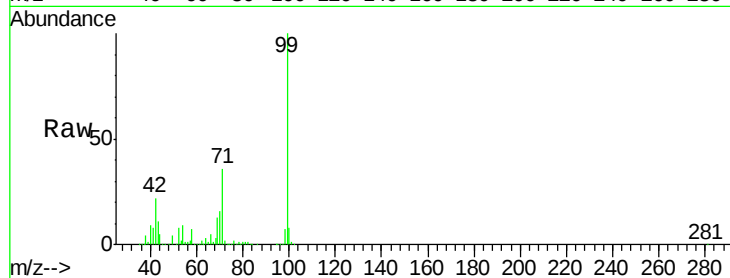
Tot Ion: 99 Resp: 1478147

Ion Ratio Lower Upper

99 100

42 22.5 14.5 21.7#

71 35.6 25.4 38.0



#8

2-Chlorophenol

Concen: 0.046 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF105173.D

Acq: 9 May 2018 4:44

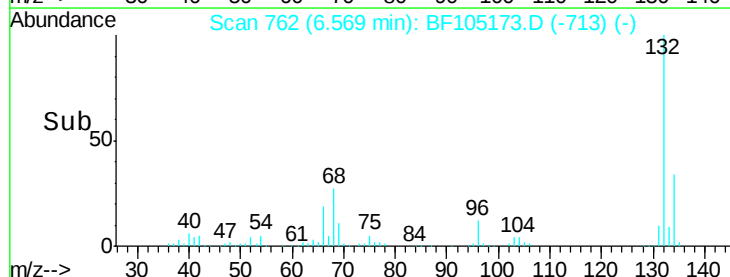
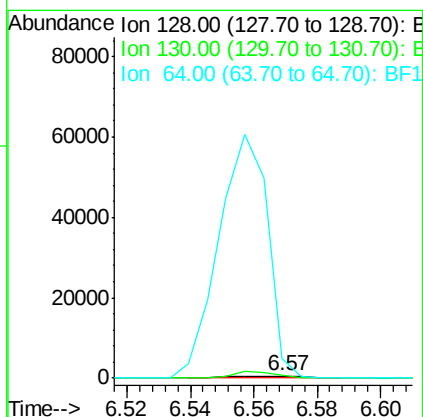
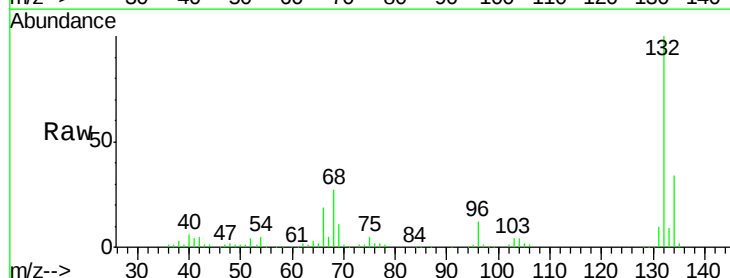
Tgt Ion: 128 Resp: 730

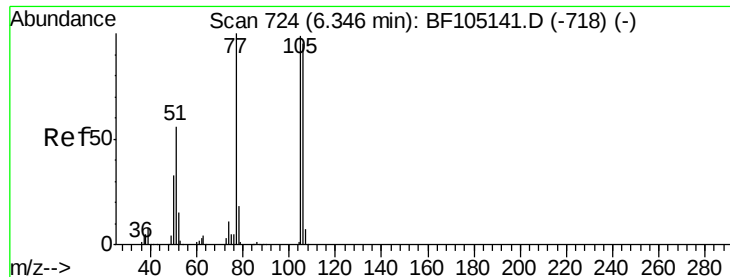
Ion Ratio Lower Upper

128 100

130 156.5 13.0 53.0#

64 1034.3 29.4 69.4#





#9

Benzaldehyde

Concen: 0.168 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.07 min

Lab File: BF105173.D

Acq: 9 May 2018 4:44

Instrument :

BNA_F

ClientSampled :

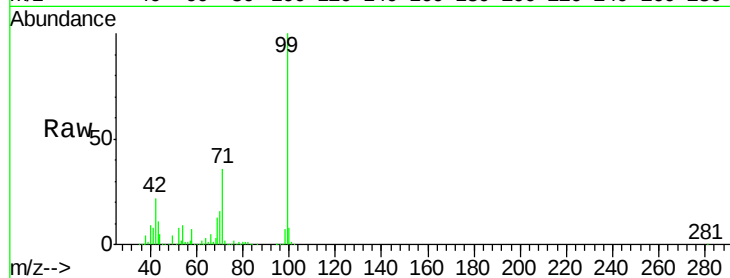
Tot Ion: 77 Resp: 2277

Ion Ratio Lower Upper

77 100

105 0.0 81.1 121.1#

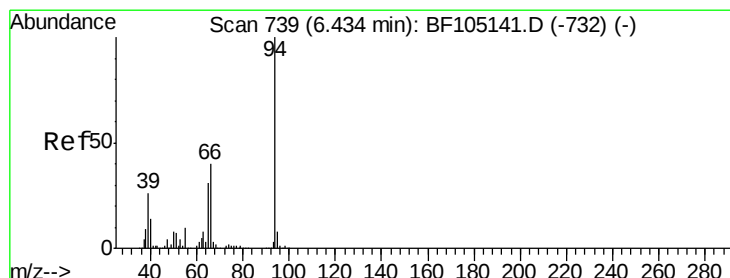
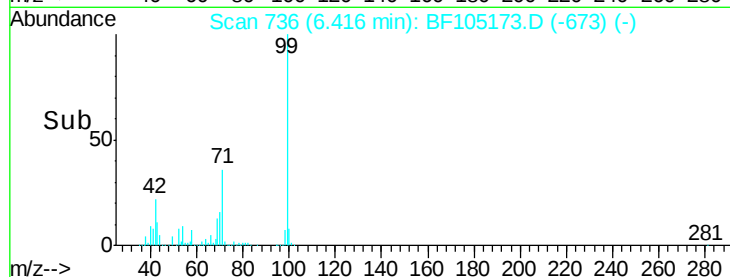
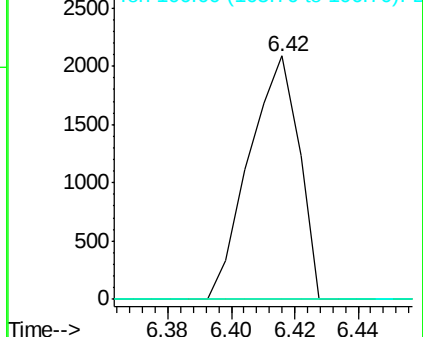
106 0.0 74.5 114.5#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 0.021 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.02 min

Lab File: BF105173.D

Acq: 9 May 2018 4:44

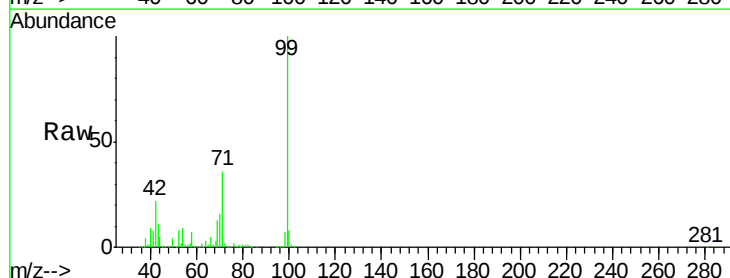
Tgt Ion: 94 Resp: 424

Ion Ratio Lower Upper

94 100

65 2739.0 7.9 47.9#

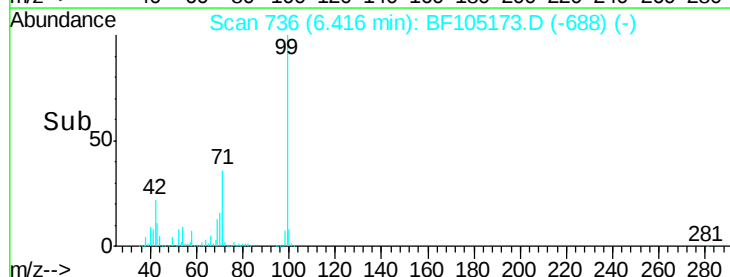
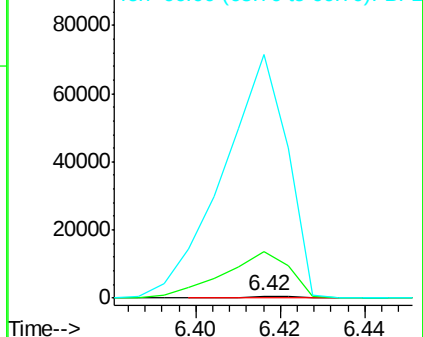
66 14377.5 16.2 56.2#

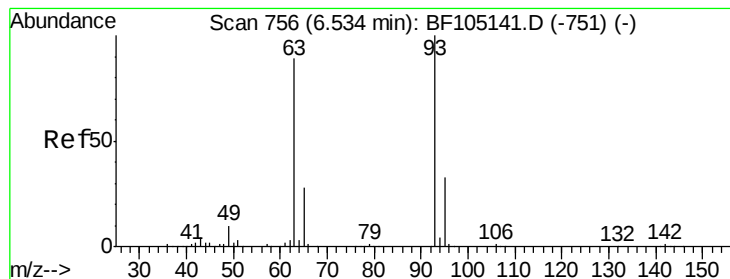


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 0.110 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.03 min

Lab File: BF105173.D

Acq: 9 May 2018 4:44

Instrument :

BNA_F

ClientSampleId :

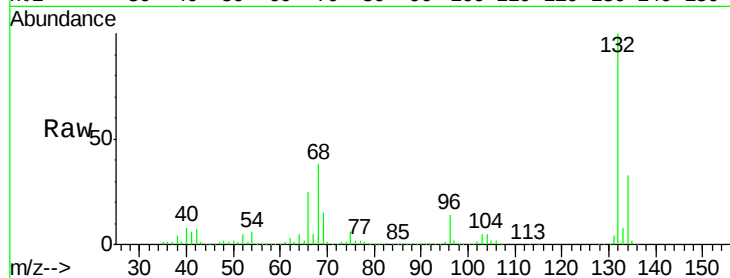
Tot Ion: 93 Resp: 1792

Ion Ratio Lower Upper

93 100

63 588.7 58.6 98.6#

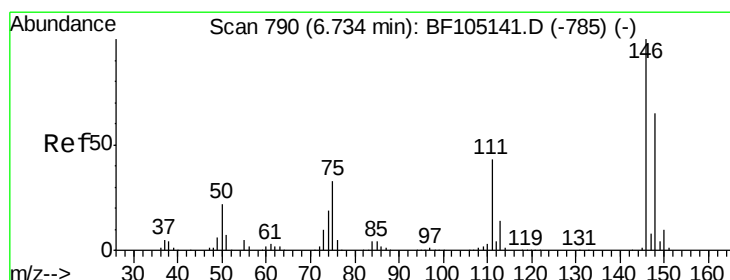
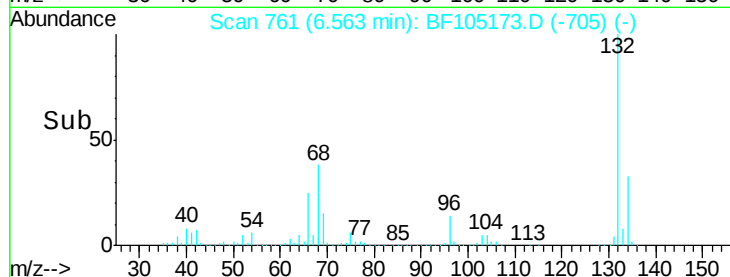
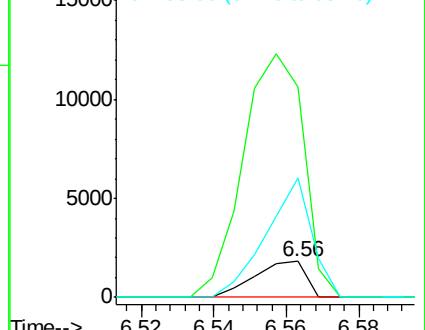
95 336.1 11.8 51.8#



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: 0.030 ng

RT: 6.95 min Scan# 826

Delta R.T. 0.21 min

Lab File: BF105173.D

Acq: 9 May 2018 4:44

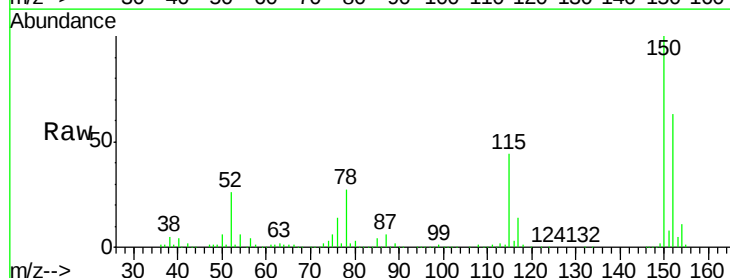
Tgt Ion: 146 Resp: 567

Ion Ratio Lower Upper

146 100

148 309.4 51.8 77.8#

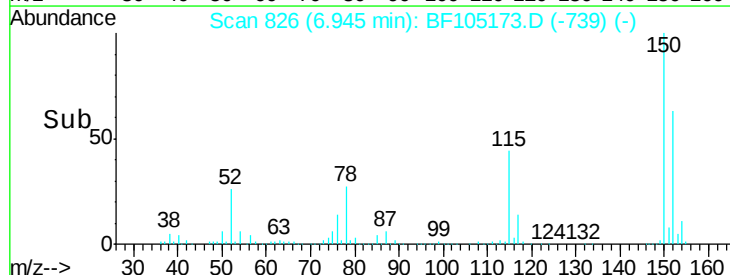
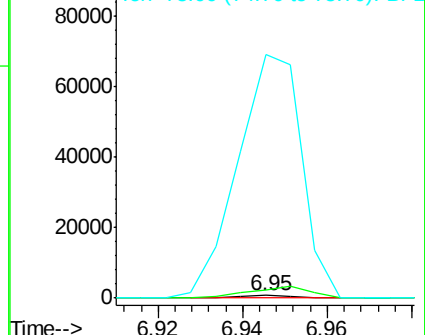
75 8982.1 24.2 36.4#

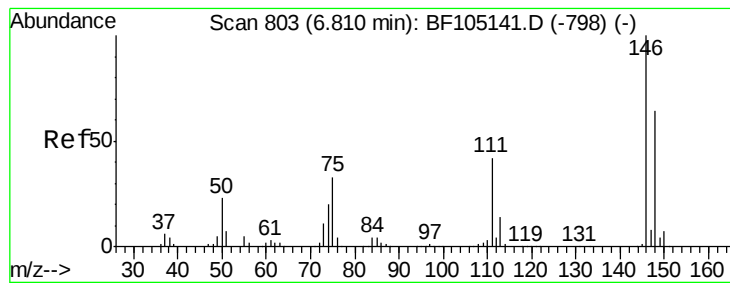


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1





#13

1,4-Dichlorobenzene

Concen: 0.030 ng

RT: 6.95 min Scan# 826

Delta R.T. 0.14 min

Lab File: BF105173.D

Acq: 9 May 2018 4:44

Instrument :

BNA_F

ClientSampleId :

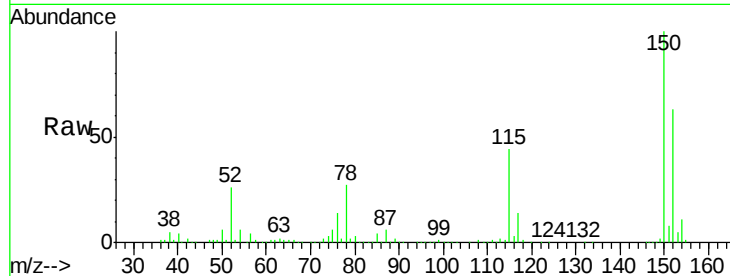
Tot Ion:146 Resp: 567

Ion Ratio Lower Upper

146 100

148 309.4 50.8 76.2#

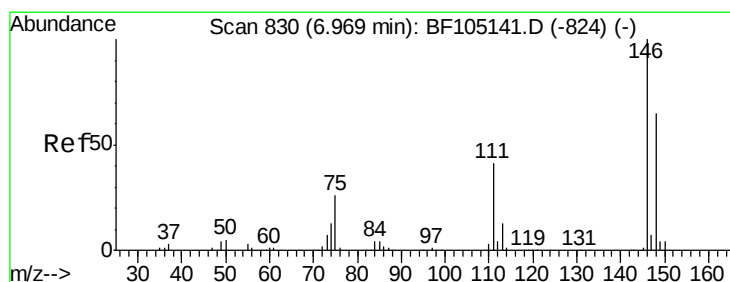
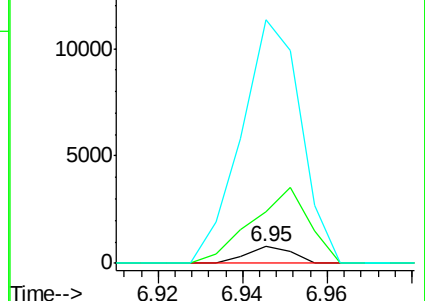
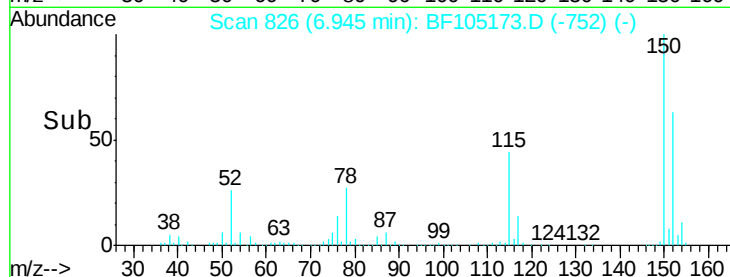
111 1474.5 34.2 51.2#



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: 0.032 ng

RT: 6.95 min Scan# 826

Delta R.T. -0.02 min

Lab File: BF105173.D

Acq: 9 May 2018 4:44

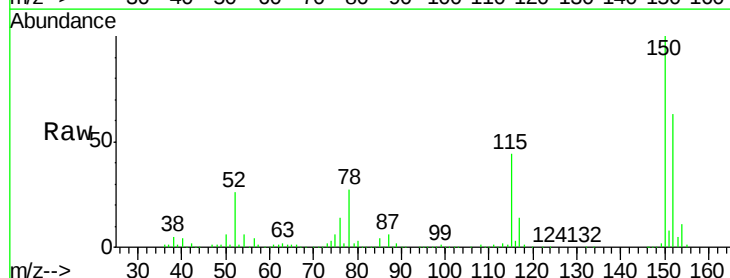
Tgt Ion:146 Resp: 567

Ion Ratio Lower Upper

146 100

148 309.4 50.6 75.8#

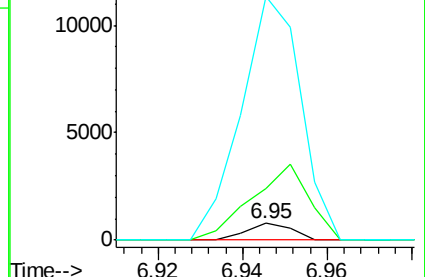
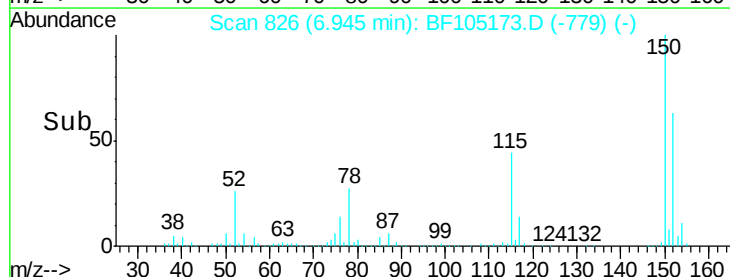
111 1474.5 36.0 54.0#

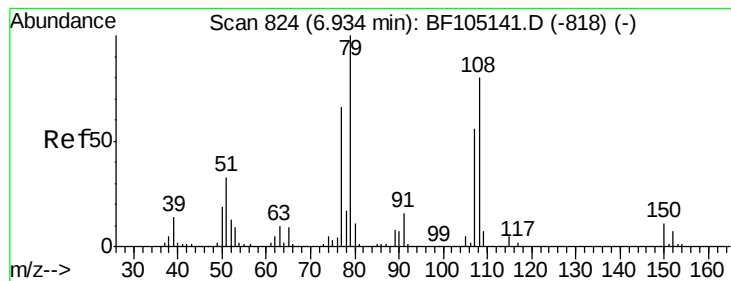


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 1.550 ng

RT: 6.95 min Scan# 826

Delta R.T. 0.01 min

Lab File: BF105173.D

Acq: 9 May 2018 4:44

Instrument :

BNA_F

ClientSampleId :

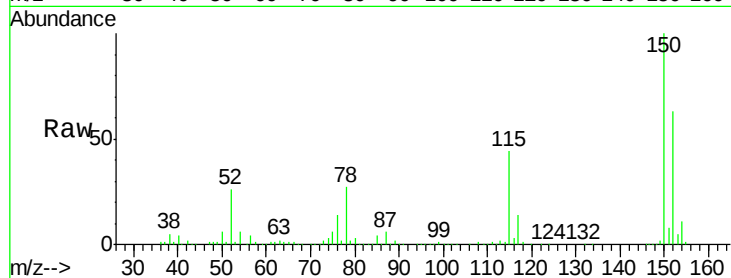
Tot Ion: 79 Resp: 21025

Ion Ratio Lower Upper

79 100

108 31.2 65.1 97.7#

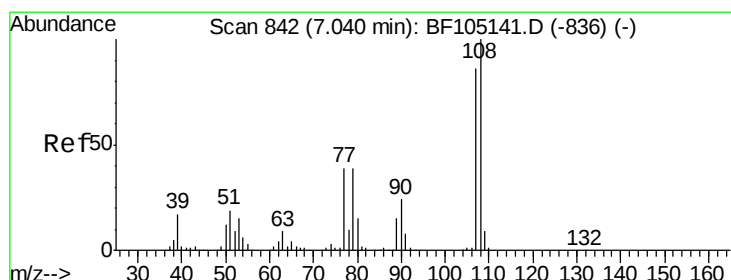
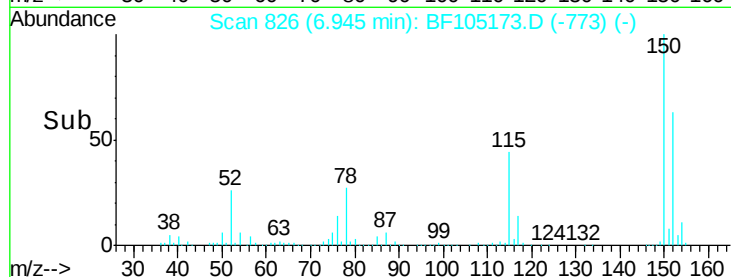
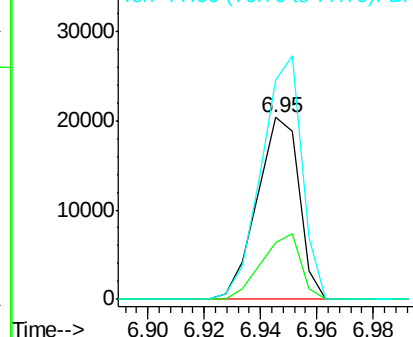
77 121.0 50.6 75.8#



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#17

2-Methylphenol

Concen: 0.008 ng

RT: 6.95 min Scan# 827

Delta R.T. -0.09 min

Lab File: BF105173.D

Acq: 9 May 2018 4:44

Tgt Ion: 107 Resp: 109

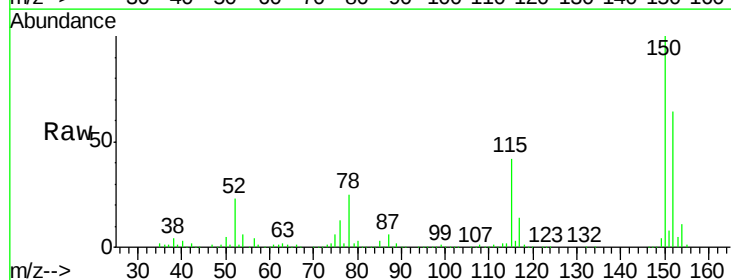
Ion Ratio Lower Upper

107 100

108 2390.0 91.7 137.5#

77 8789.7 33.8 50.8#

79 6090.3 33.8 50.8#

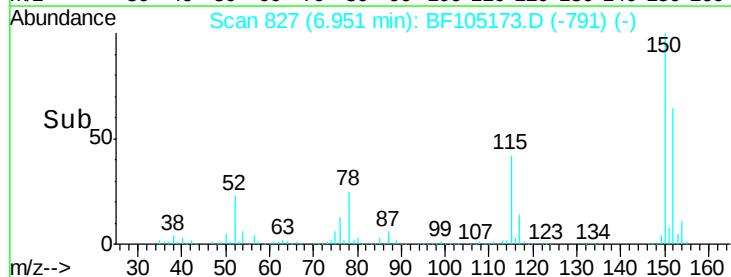
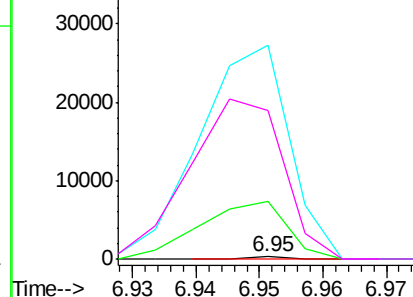


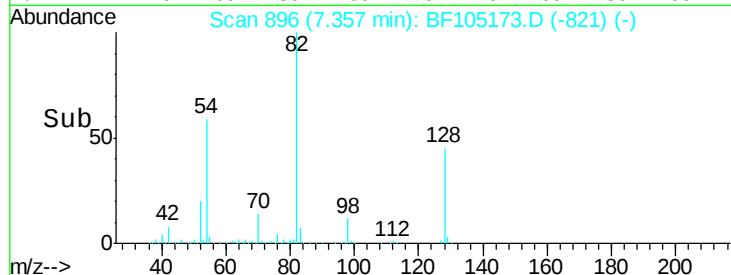
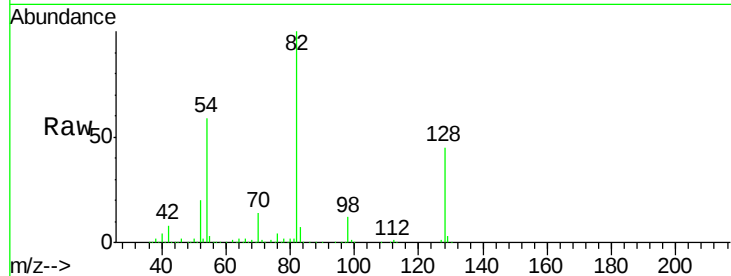
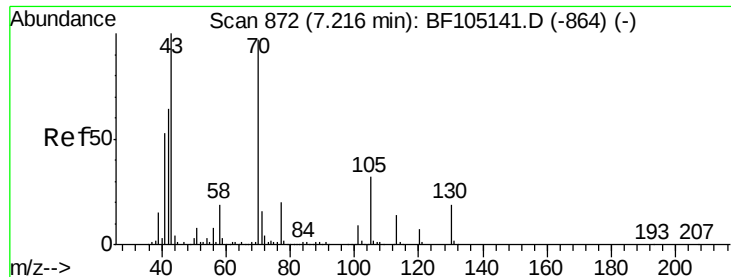
Abundance Ion 107.00 (106.70 to 107.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 15.252 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.14 min

Lab File: BF105173.D

Acq: 9 May 2018 4:44

Instrument :

BNA_F

ClientSampled :

Tot Ion: 70 Resp: 179017

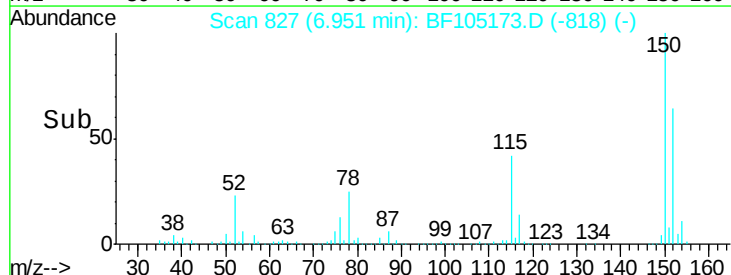
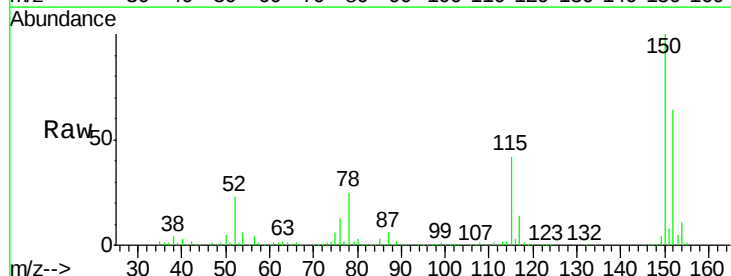
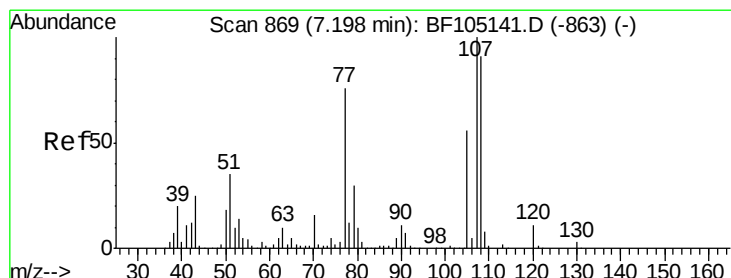
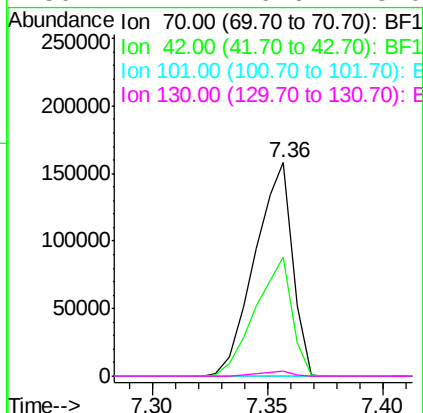
Ion Ratio Lower Upper

70 100

42 55.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#



#20

3+4-Methylphenols

Concen: 0.007 ng

RT: 6.95 min Scan# 827

Delta R.T. -0.25 min

Lab File: BF105173.D

Acq: 9 May 2018 4:44

Tgt Ion:107 Resp: 109

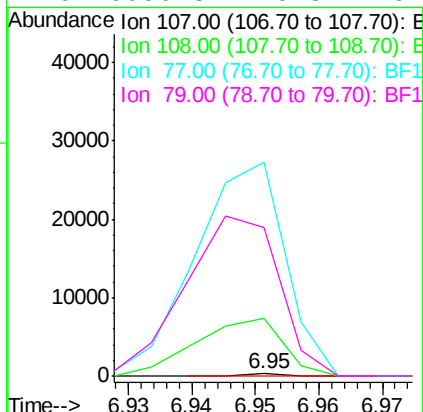
Ion Ratio Lower Upper

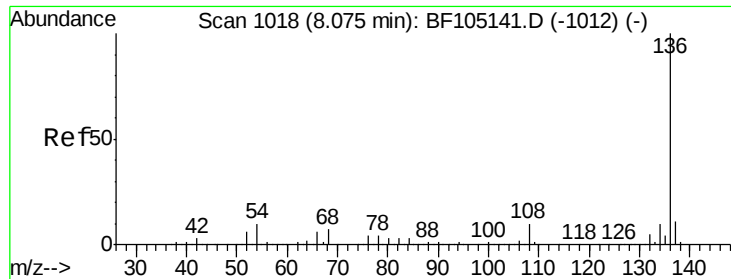
107 100

108 2390.0 68.2 108.2#

77 8789.7 26.7 66.7#

79 6090.3 6.3 46.3#

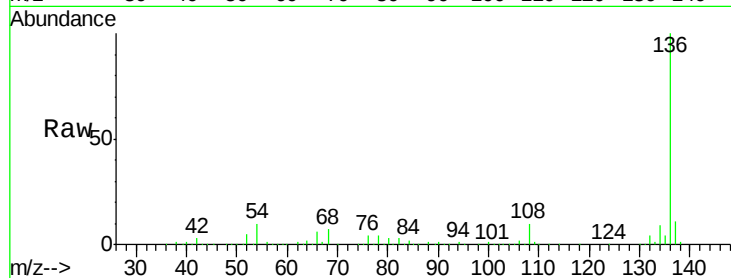




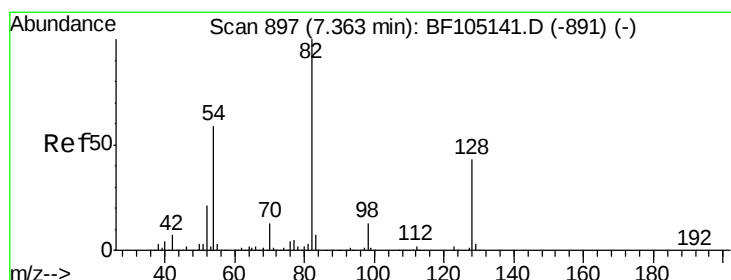
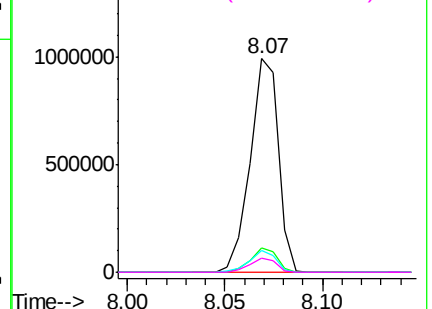
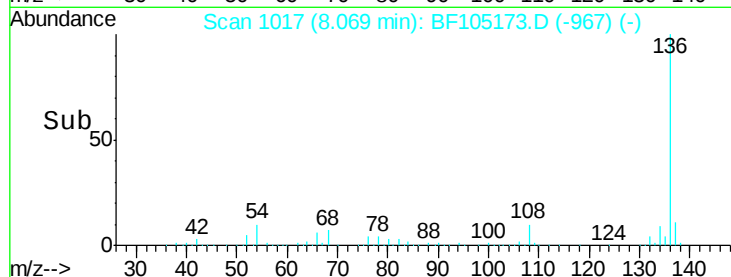
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF105173.D
Acq: 9 May 2018 4:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	993309
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.9 13.3
54	10.0	6.6 9.8#
68	6.7	5.0 7.4

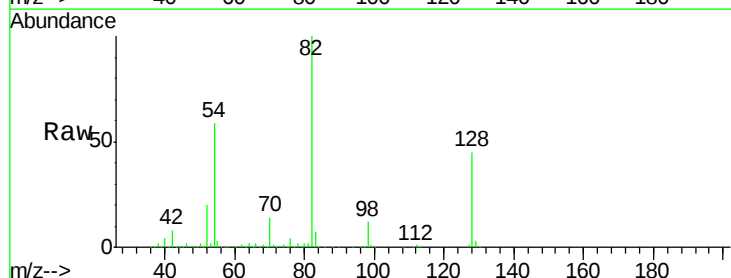


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

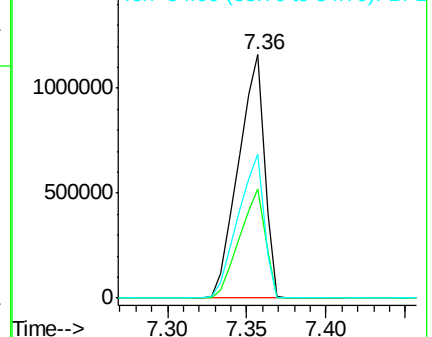
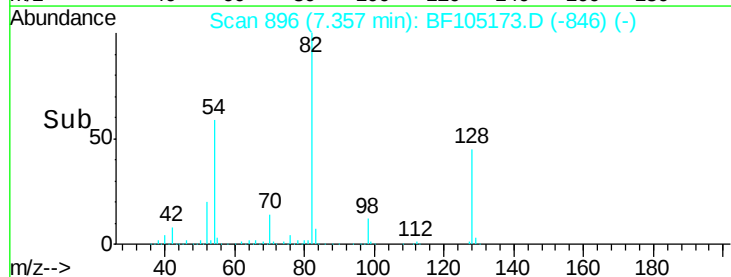


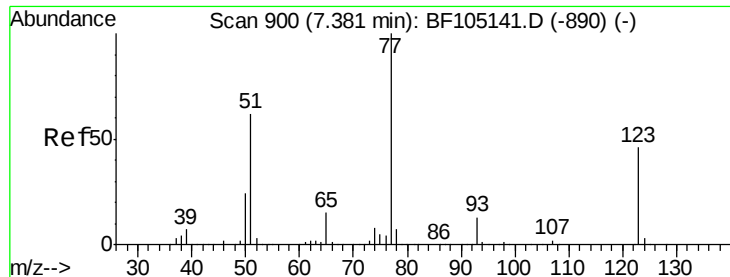
#23
Nitrobenzene-d5
Concen: 89.811 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF105173.D
Acq: 9 May 2018 4:44

Tgt Ion: 82	Resp:	1316289
Ion Ratio	Lower	Upper
82	100	
128	45.1	36.1 54.1
54	59.1	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: 0.265 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.02 min

Lab File: BF105173.D

Acq: 9 May 2018 4:44

Instrument :

BNA_F

ClientSampleId :

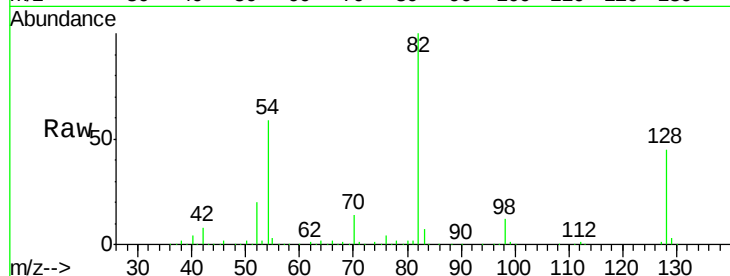
Tot Ion: 77 Resp: 4409

Ion Ratio Lower Upper

77 100

123 0.0 37.9 56.9#

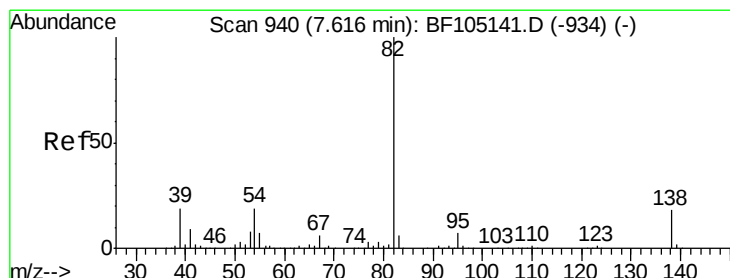
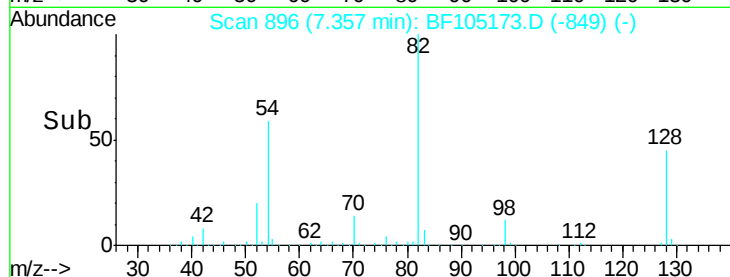
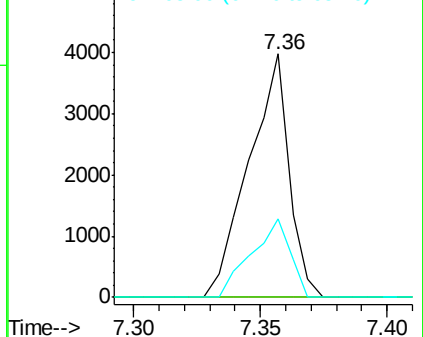
65 32.5 11.0 16.4#



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: 40.158 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF105173.D

Acq: 9 May 2018 4:44

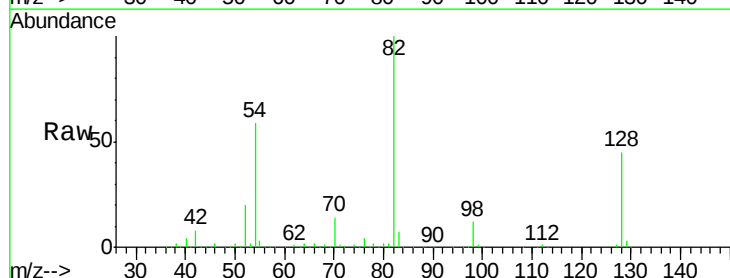
Tgt Ion: 82 Resp: 1316274

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

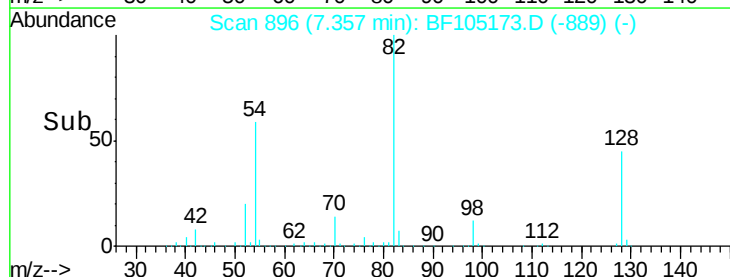
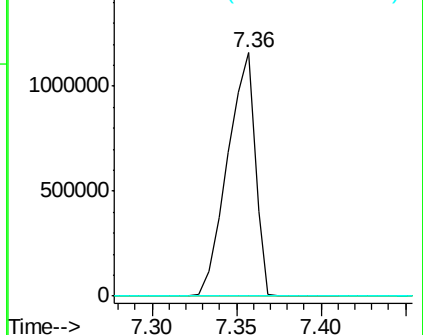
138 0.0 14.9 22.3#

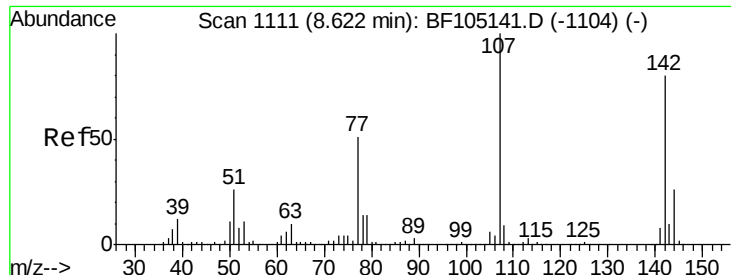


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

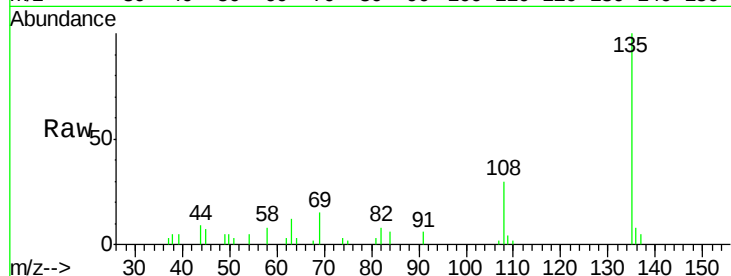




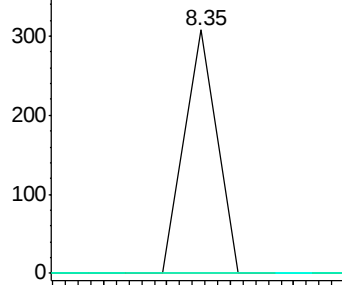
#36
 4-Chloro-3-methylphenol
 Concen: 0.008 ng
 RT: 8.35 min Scan# 1064
 Delta R.T. -0.28 min
 Lab File: BF105173.D
 Acq: 9 May 2018 4:44

Instrument :
 BNA_F
 ClientSampleId :

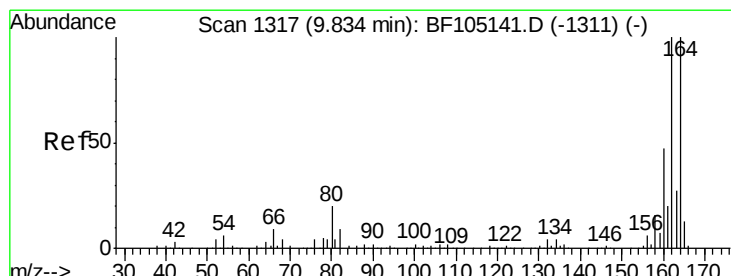
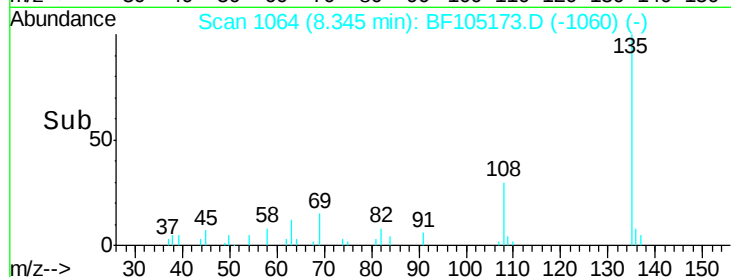
Tot Ion:107 Resp: 109
 Ion Ratio Lower Upper
 107 100
 144 0.0 20.5 30.7#
 142 0.0 62.0 93.0#



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

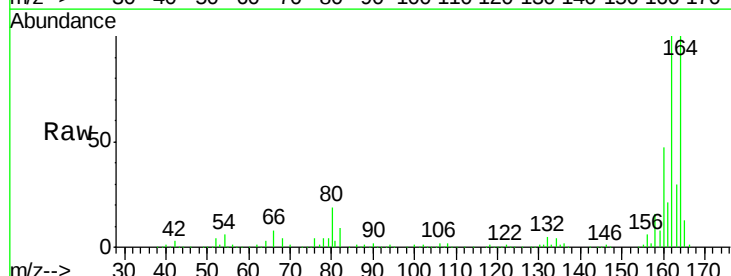


Time-->

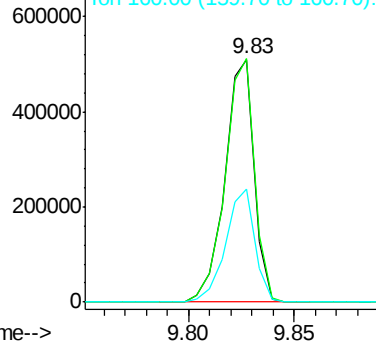


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: BF105173.D
 Acq: 9 May 2018 4:44

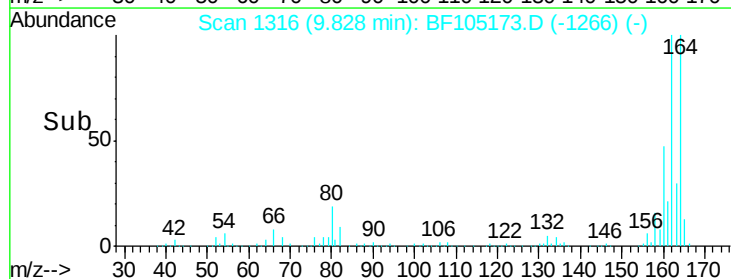
Tgt Ion:164 Resp: 492394
 Ion Ratio Lower Upper
 164 100
 162 100.5 86.1 129.1
 160 46.8 38.3 57.5

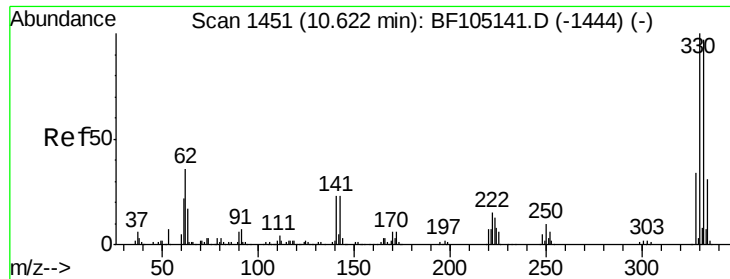


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E



Time-->

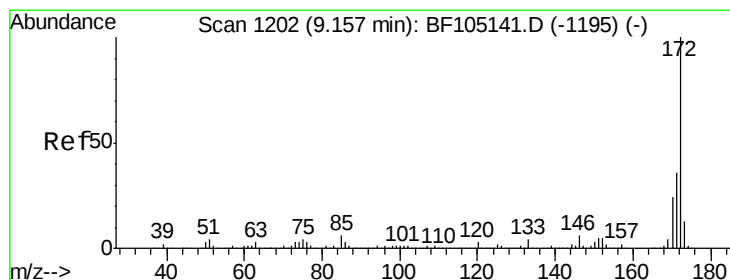
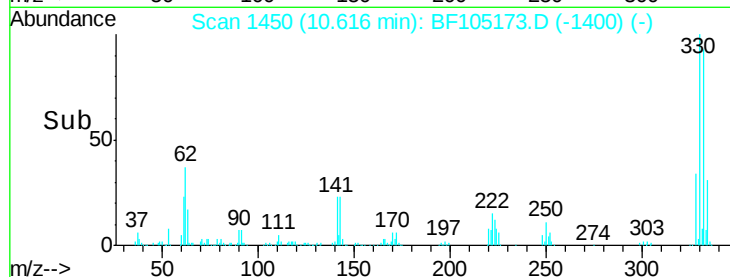
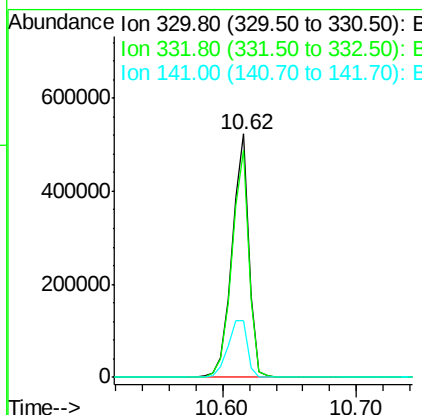
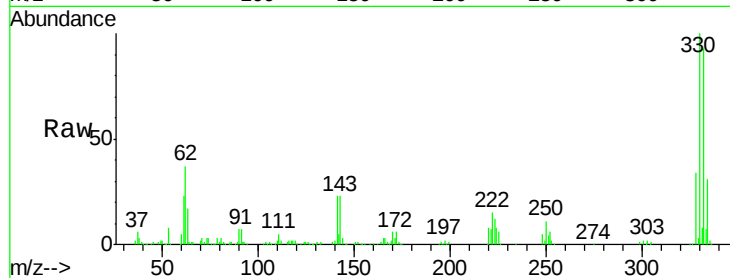




#41
 2,4,6-Tribromophenol
 Concen: 86.055 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF105173.D
 Acq: 9 May 2018 4:44

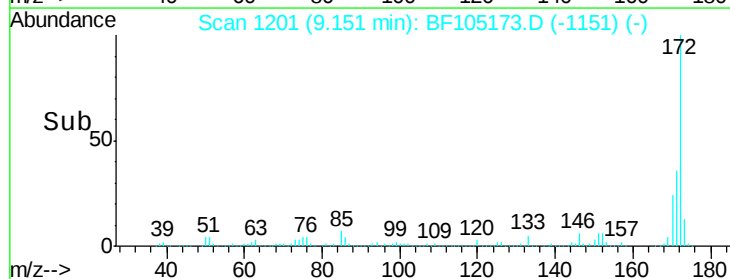
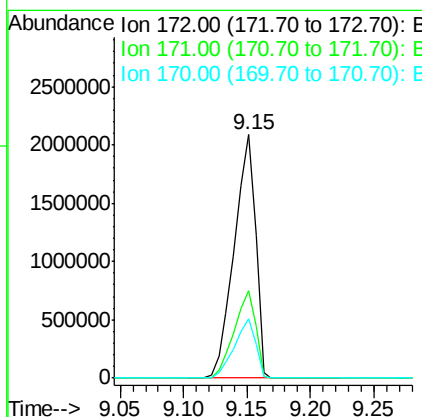
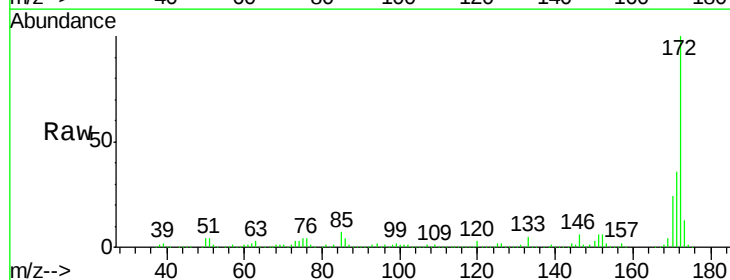
Instrument :
 BNA_F
 ClientSampleId :

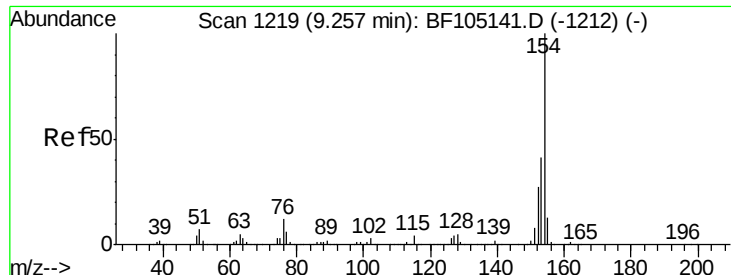
Tot Ion	330	332	141
Resp	467489		
Ratio	100	95.1	27.5
Lower		77.0	29.9
Upper		115.6	44.9



#44
 2-Fluorobiphenyl
 Concen: 75.921 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF105173.D
 Acq: 9 May 2018 4:44

Tgt Ion	172	171	170
Resp	2408547		
Ratio	100	36.0	24.3
Lower		29.7	19.6
Upper		44.5	29.4





#45

1,1'-Biphenyl

Concen: 0.195 ng

RT: 9.25 min Scan# 1217

Delta R.T. -0.01 min

Lab File: BF105173.D

Acq: 9 May 2018 4:44

Instrument :

BNA_F

ClientSampleId :

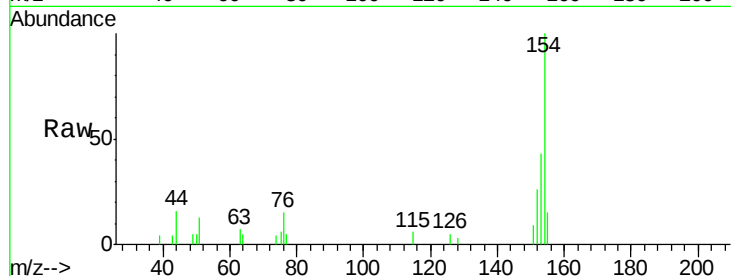
Tot Ion:154 Resp: 7817

Ion Ratio Lower Upper

154 100

153 43.1 21.3 61.3

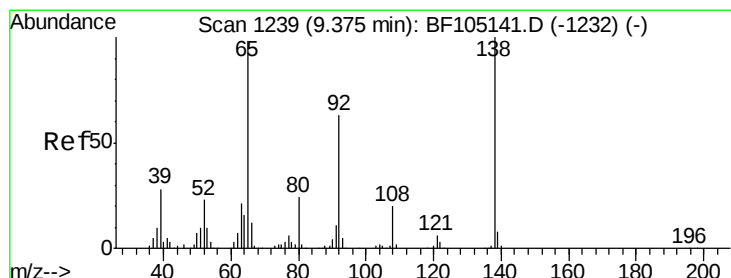
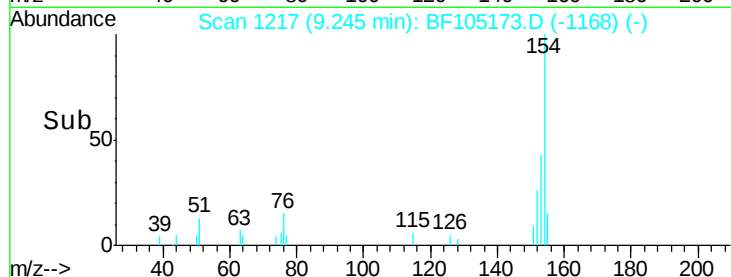
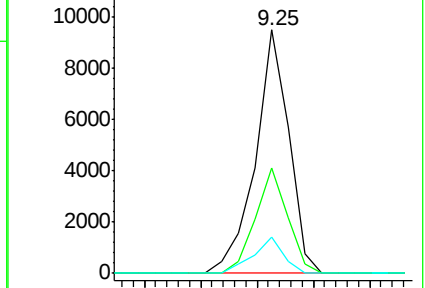
76 15.1 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#47

2-Nitroaniline

Concen: 6.210 ng

RT: 9.15 min Scan# 1200

Delta R.T. -0.23 min

Lab File: BF105173.D

Acq: 9 May 2018 4:44

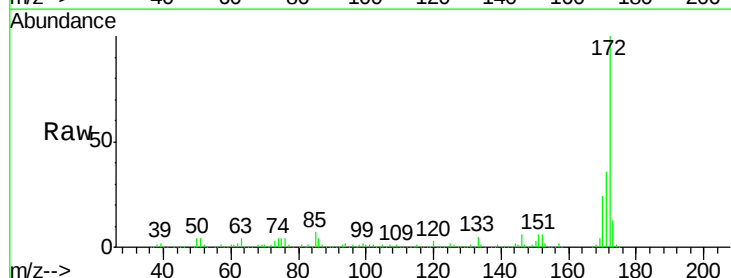
Tgt Ion: 65 Resp: 4042

Ion Ratio Lower Upper

65 100

92 184.9 55.8 83.6#

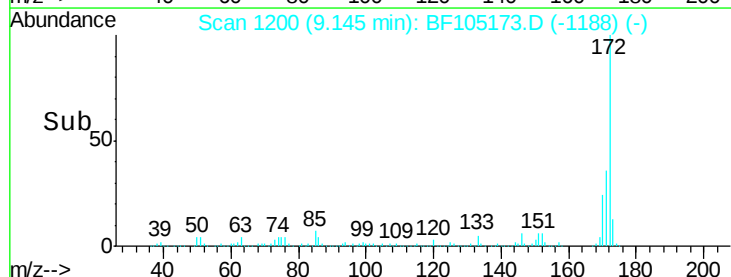
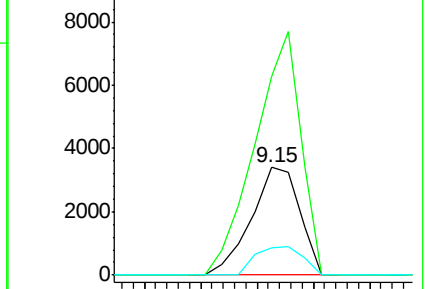
138 25.7 91.2 136.8#

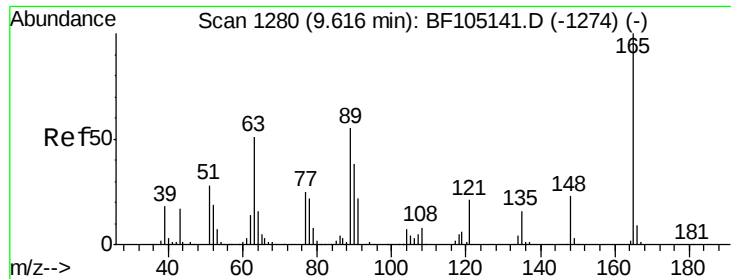


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E

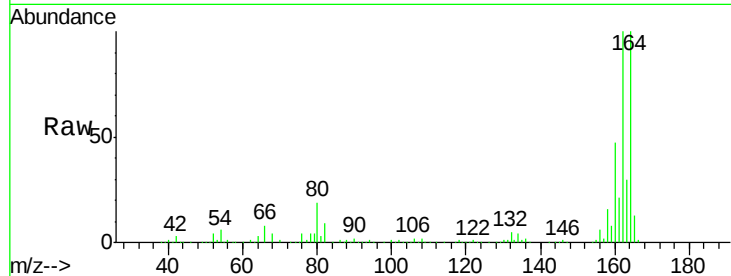




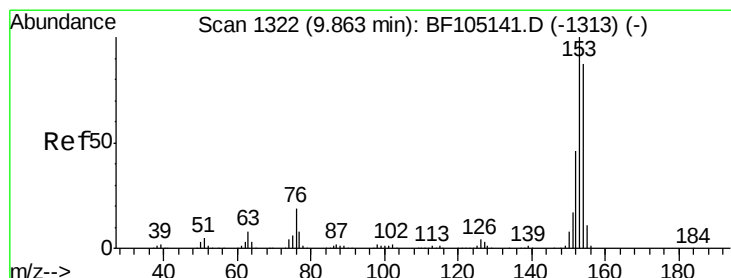
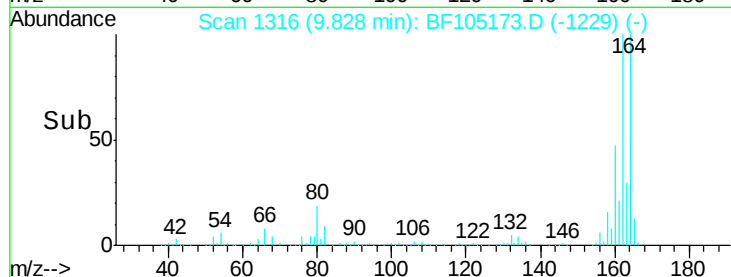
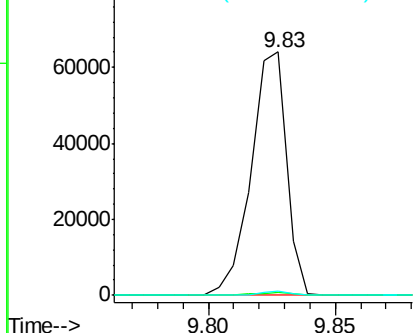
#50
 2,6-Dinitrotoluene
 Concen: 8.679 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. 0.21 min
 Lab File: BF105173.D
 Acq: 9 May 2018 4:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 62771
 Ion Ratio Lower Upper
 165 100
 63 1.5 44.7 67.1#
 89 1.7 44.0 66.0#

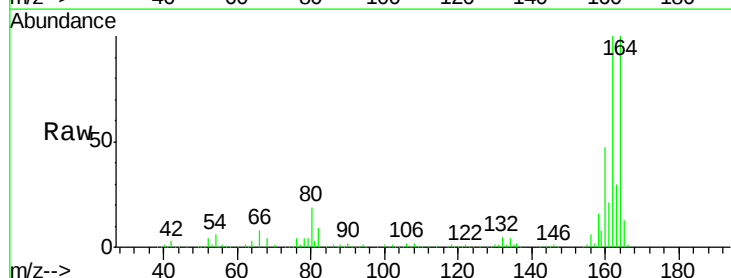


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

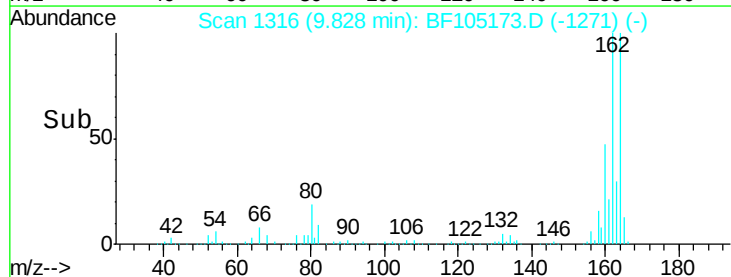
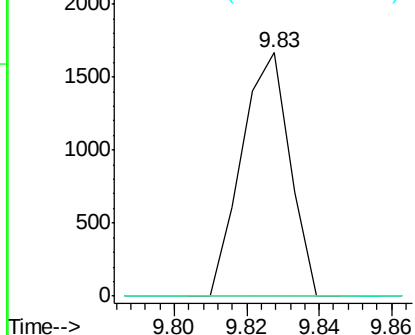


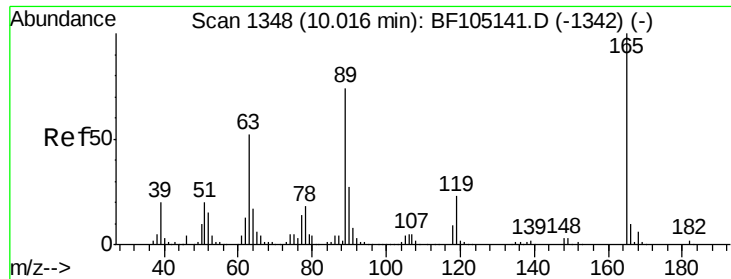
#51
 Acenaphthene
 Concen: 0.052 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.04 min
 Lab File: BF105173.D
 Acq: 9 May 2018 4:44

Tgt Ion:154 Resp: 1548
 Ion Ratio Lower Upper
 154 100
 153 0.0 91.2 136.8#
 152 0.0 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

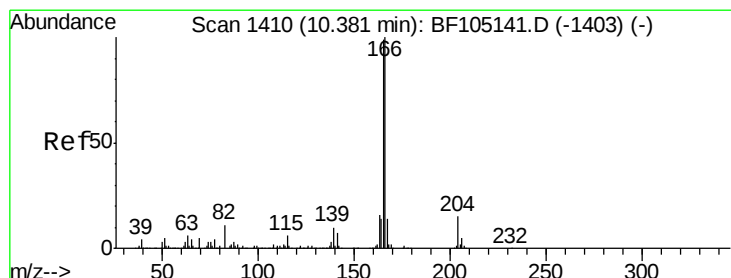
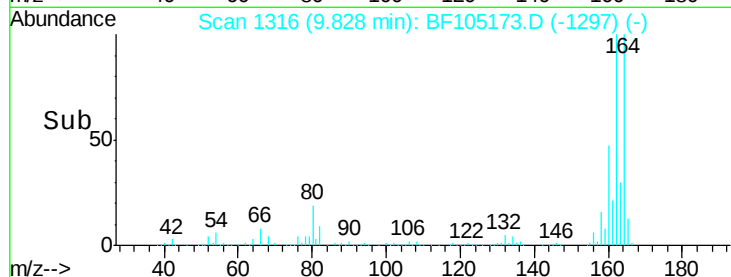
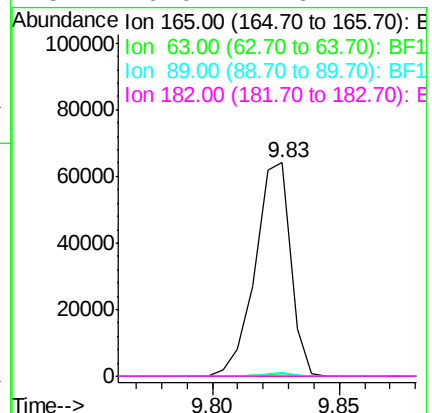
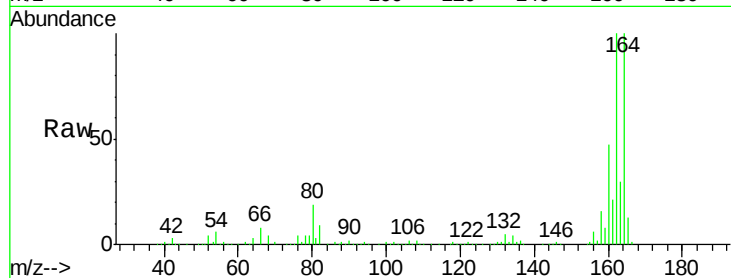




#56
2,4-Dinitrotoluene
Concen: 9.645 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.19 min
Lab File: BF105173.D
Acq: 9 May 2018 4:44

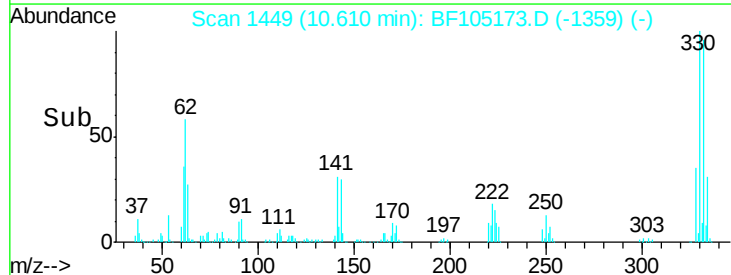
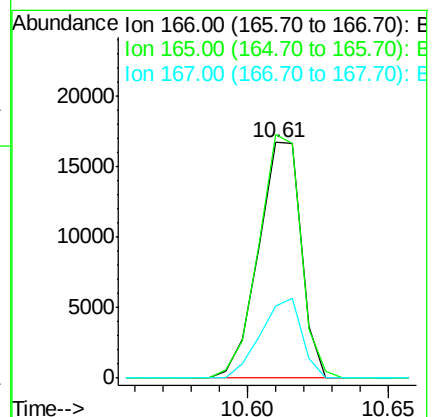
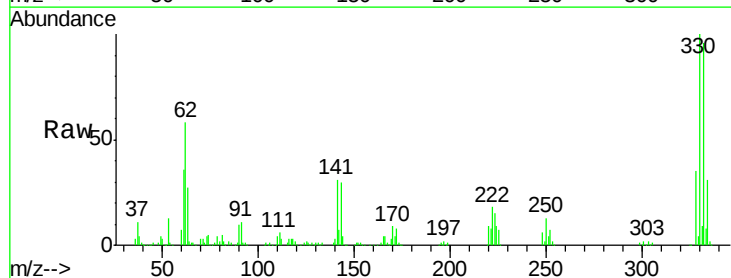
Instrument :
BNA_F
ClientSampled :

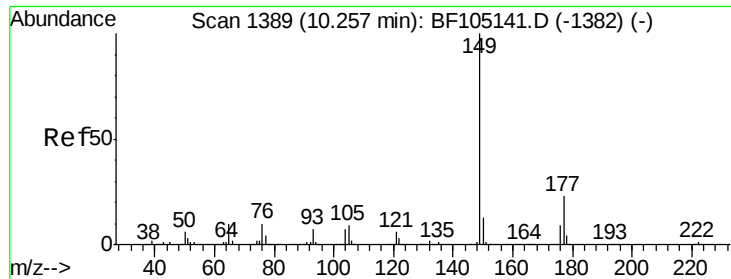
Tot Ion:165	Resp:	62771
Ion Ratio	Lower	Upper
165	100	
63	1.5	36.4 54.6#
89	1.7	57.8 86.6#
182	0.0	1.6 2.4#



#57
Fluorene
Concen: 0.547 ng
RT: 10.61 min Scan# 1449
Delta R.T. 0.23 min
Lab File: BF105173.D
Acq: 9 May 2018 4:44

Tgt Ion:166	Resp:	17501
Ion Ratio	Lower	Upper
166	100	
165	103.4	79.8 119.8
167	30.7	10.6 16.0#

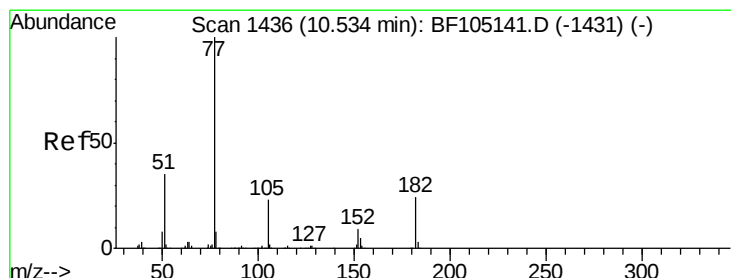
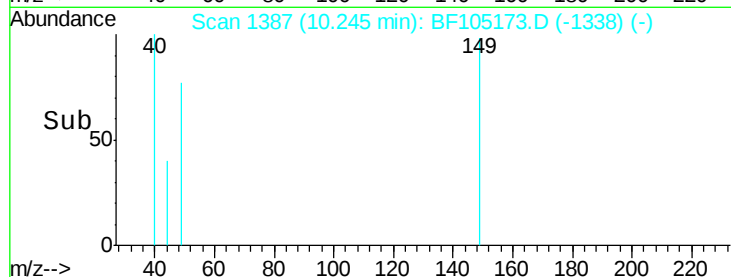
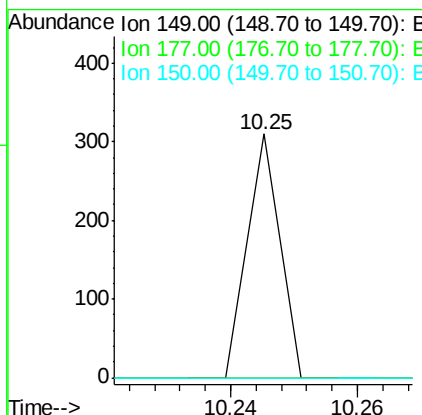
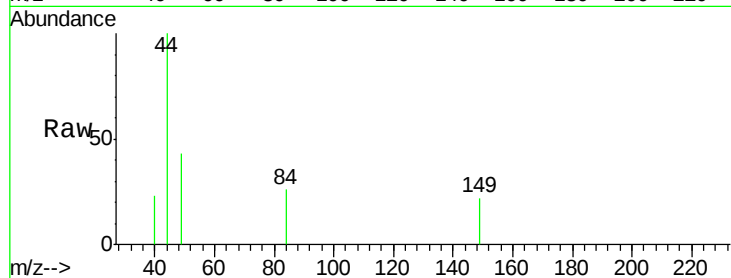




#59
Diethylphthalate
Concen: 0.003 ng
RT: 10.25 min Scan# 1387
Delta R.T. -0.01 min
Lab File: BF105173.D
Acq: 9 May 2018 4:44

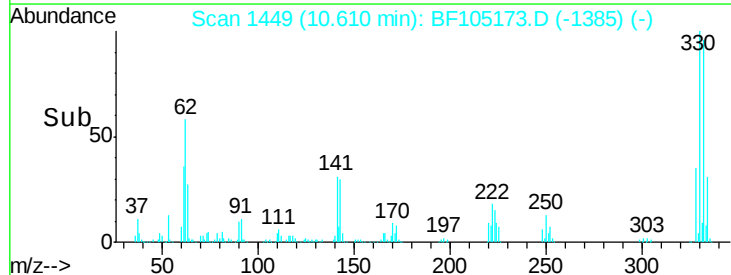
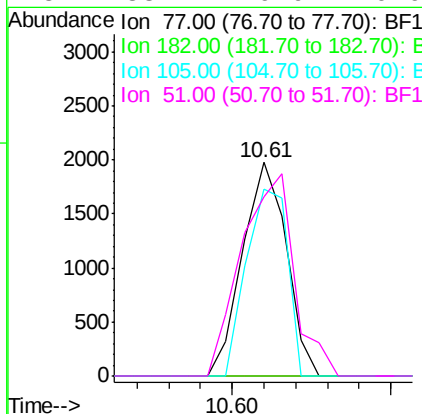
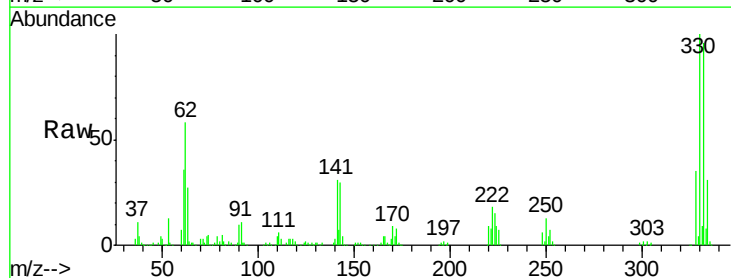
Instrument :
BNA_F
ClientSampleId :

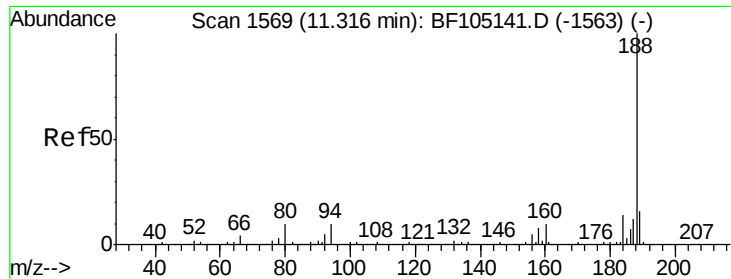
Tot Ion:149 Resp: 109
Ion Ratio Lower Upper
149 100
177 0.0 16.1 24.1#
150 0.0 10.1 15.1#



#62
Azobenzene
Concen: 0.056 ng
RT: 10.61 min Scan# 1449
Delta R.T. 0.08 min
Lab File: BF105173.D
Acq: 9 May 2018 4:44

Tgt Ion: 77 Resp: 1902
Ion Ratio Lower Upper
77 100
182 0.0 1.7 41.7#
105 87.8 3.0 43.0#
51 83.7 9.9 49.9#

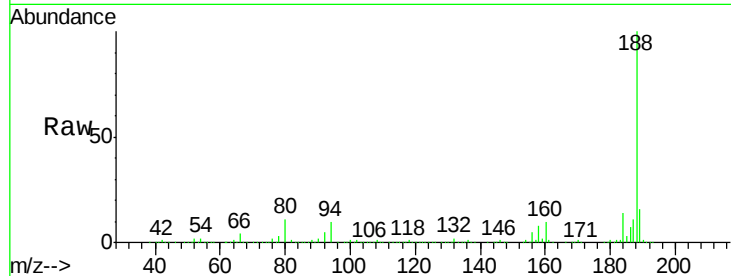




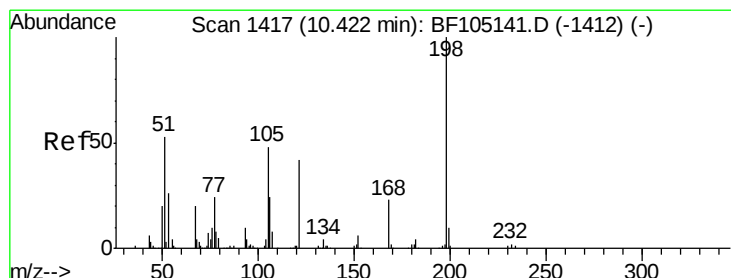
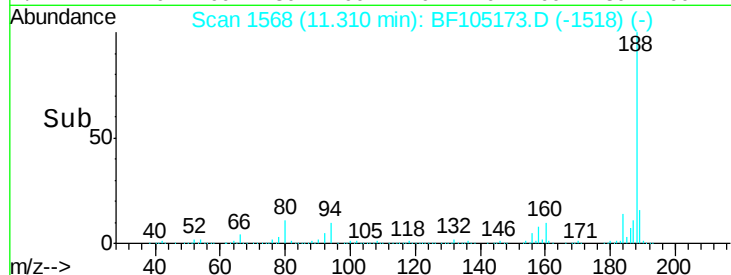
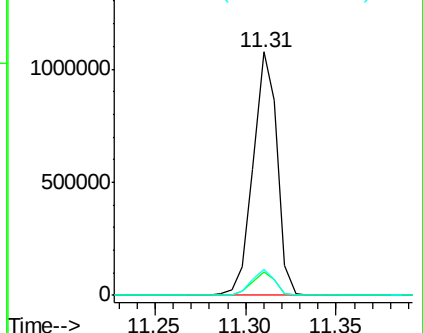
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF105173.D
Acq: 9 May 2018 4:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 986331
Ion Ratio Lower Upper
188 100
94 9.8 8.5 12.7
80 10.6 9.2 13.8

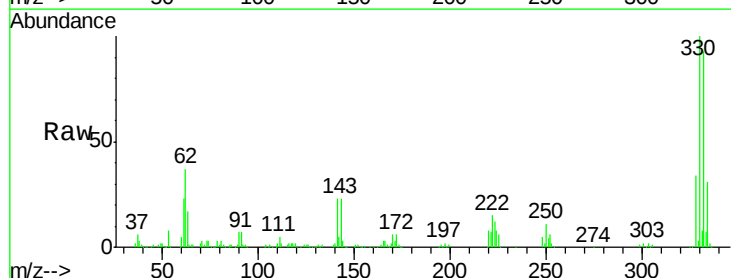


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

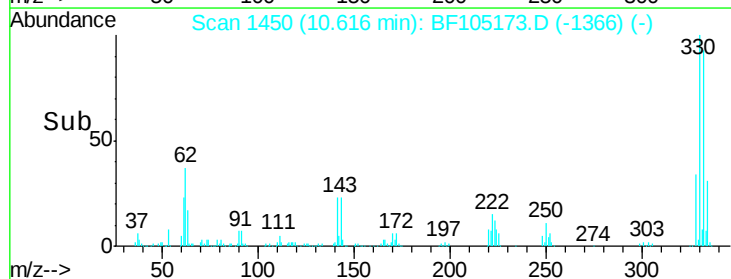
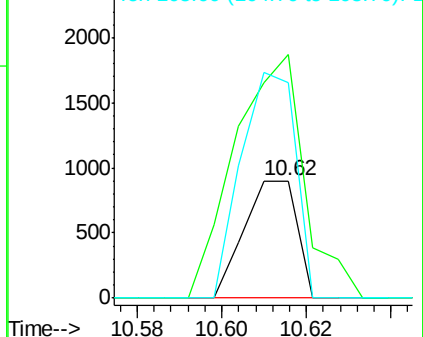


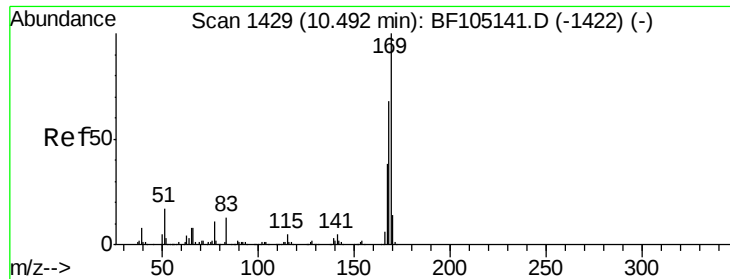
#64
4,6-Dinitro-2-methylphenol
Concen: 8.988 ng
RT: 10.62 min Scan# 1450
Delta R.T. 0.19 min
Lab File: BF105173.D
Acq: 9 May 2018 4:44

Tgt Ion:198 Resp: 784
Ion Ratio Lower Upper
198 100
51 207.8 37.7 77.7#
105 183.6 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

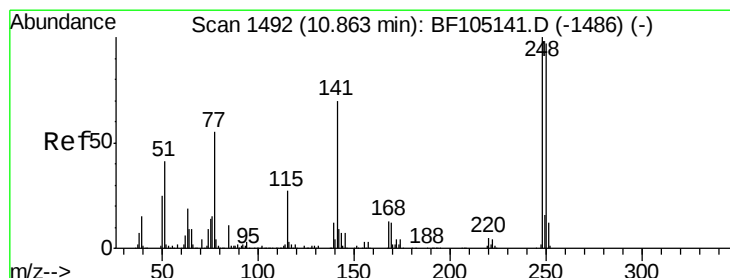
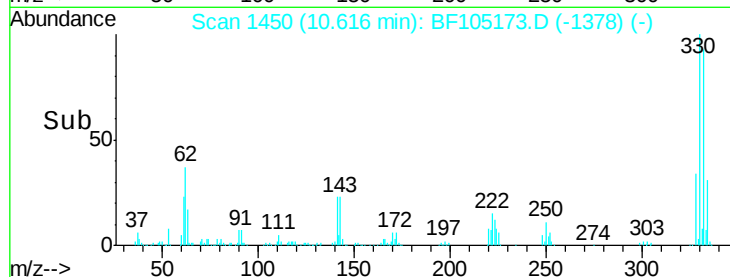
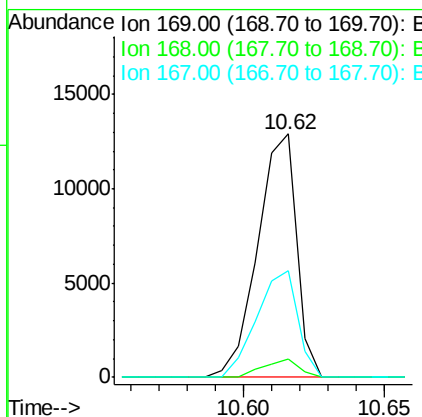
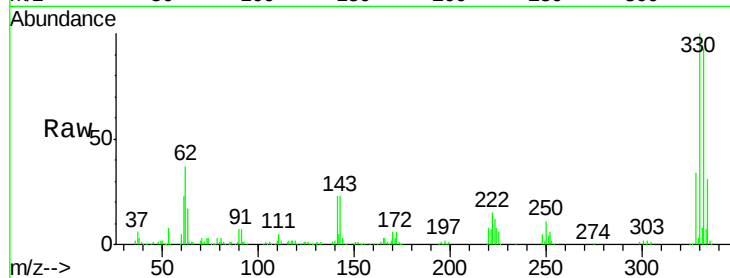




#65
n-Nitrosodiphenylamine
Concen: 0.402 ng
RT: 10.62 min Scan# 1450
Delta R.T. 0.12 min
Lab File: BF105173.D
Acq: 9 May 2018 4:44

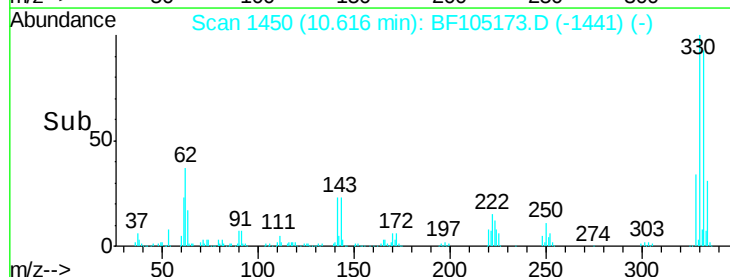
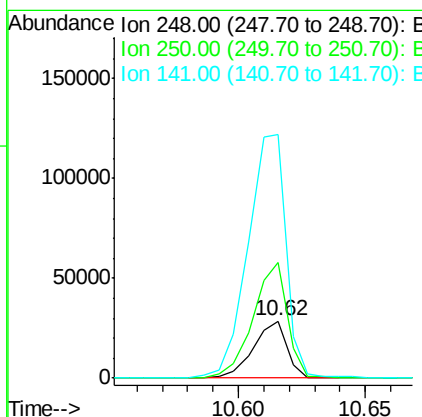
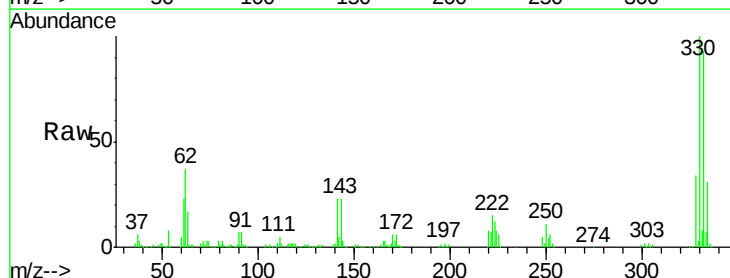
Instrument :
BNA_F
ClientSampleId :

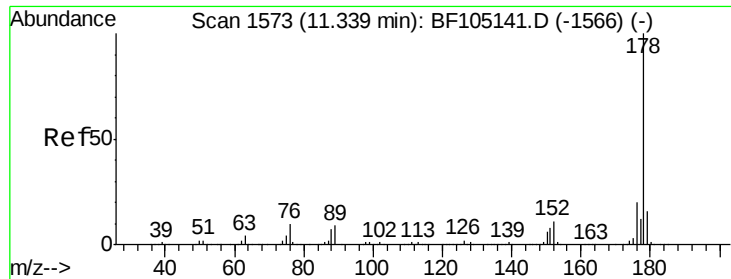
Tot Ion	Ratio	Lower	Upper
169	100		
168	7.7	54.4	81.6#
167	44.1	29.8	44.6



#66
4-Bromophenyl-phenylether
Concen: 2.503 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.25 min
Lab File: BF105173.D
Acq: 9 May 2018 4:44

Tgt Ion	Ratio	Lower	Upper
248	100		
250	202.8	76.9	115.3#
141	425.8	74.4	111.6#





#70

Phenanthrene

Concen: 0.003 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.03 min

Lab File: BF105173.D

Acq: 9 May 2018 4:44

Instrument :

BNA_F

ClientSampleId :

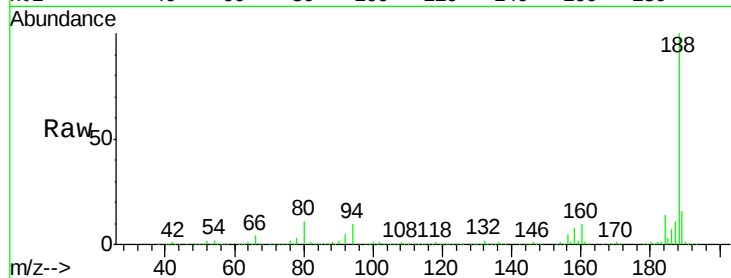
Tot Ion:178 Resp: 149

Ion Ratio Lower Upper

178 100

176 0.0 15.8 23.8#

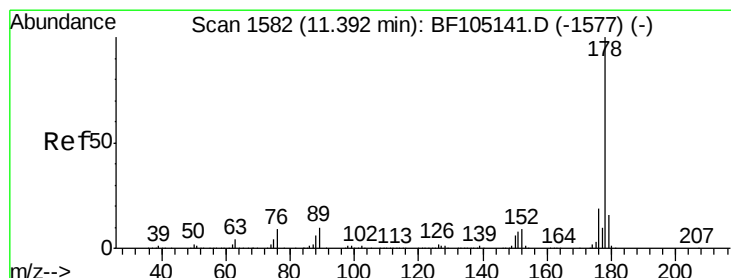
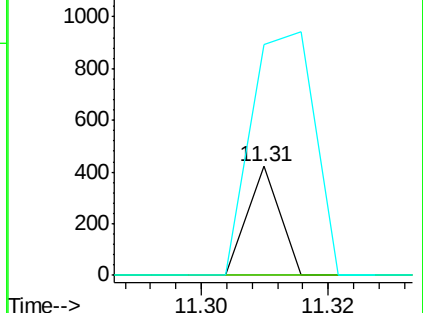
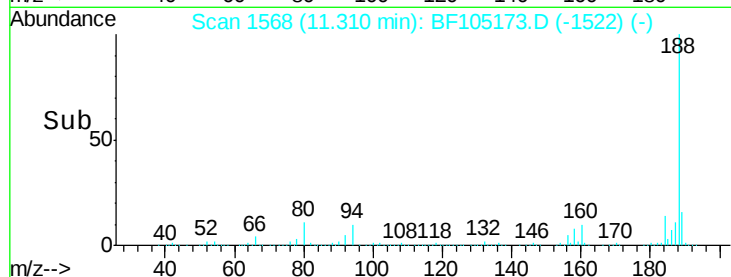
179 212.6 13.0 19.6#



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: 0.003 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.08 min

Lab File: BF105173.D

Acq: 9 May 2018 4:44

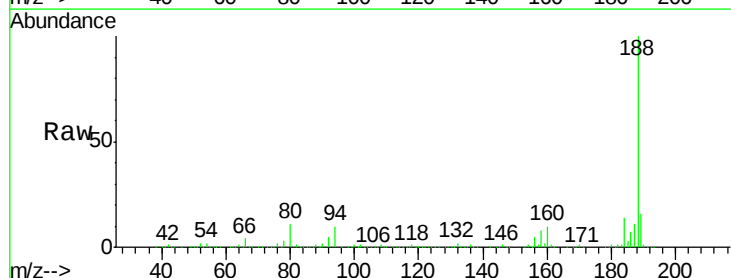
Tgt Ion:178 Resp: 149

Ion Ratio Lower Upper

178 100

176 0.0 15.4 23.2#

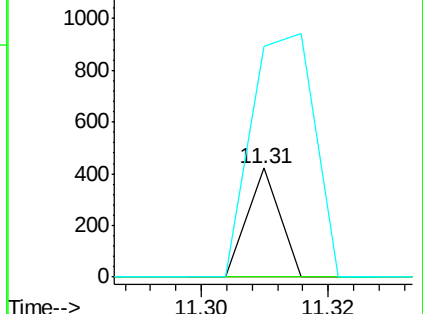
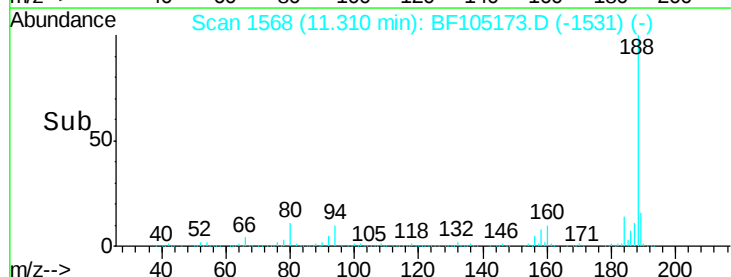
179 212.6 12.6 19.0#

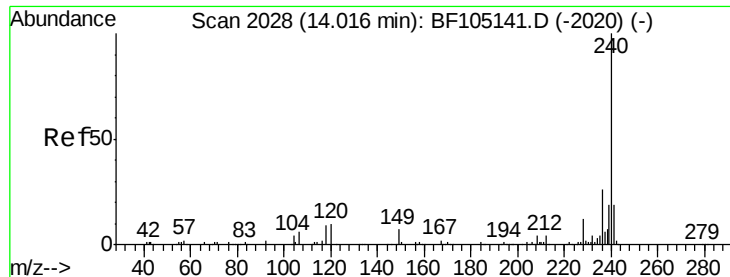


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF105173.D

Acq: 9 May 2018 4:44

Instrument :

BNA_F

ClientSampleId :

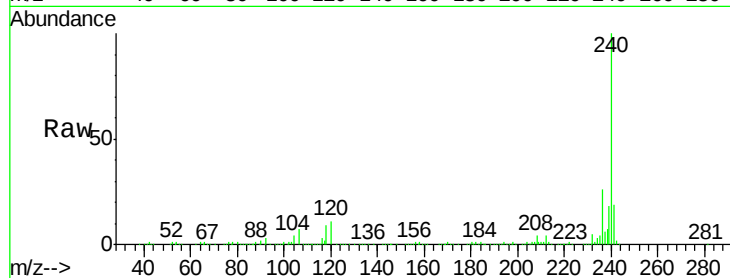
Tot Ion:240 Resp: 867862

Ion Ratio Lower Upper

240 100

120 10.7 9.5 14.3

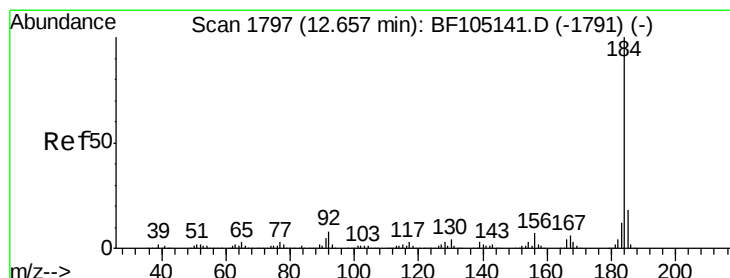
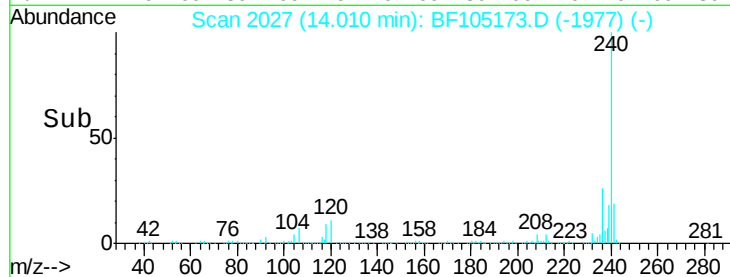
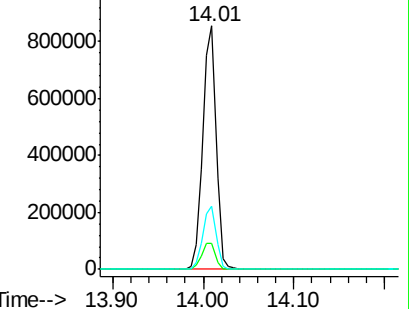
236 26.0 20.7 31.1



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: 0.053 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF105173.D

Acq: 9 May 2018 4:44

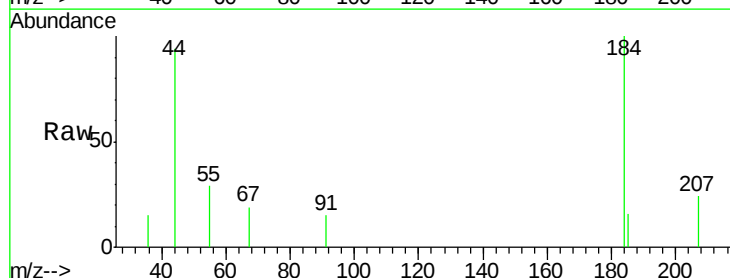
Tgt Ion:184 Resp: 1716

Ion Ratio Lower Upper

184 100

185 16.2 12.6 18.8

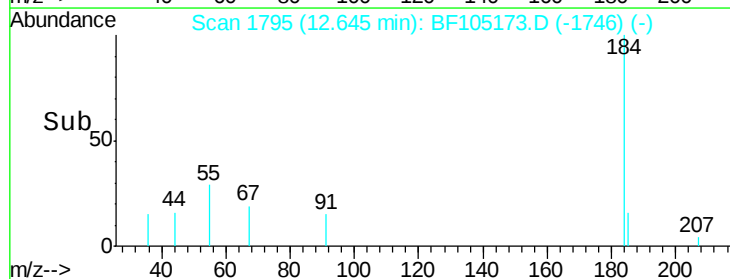
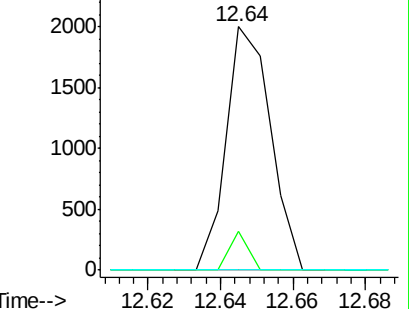
183 0.0 9.3 13.9#

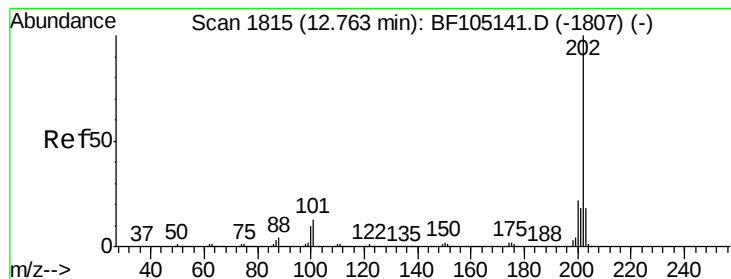


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 0.143 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.15 min

Lab File: BF105173.D

Acq: 9 May 2018 4:44

Instrument :

BNA_F

ClientSampleId :

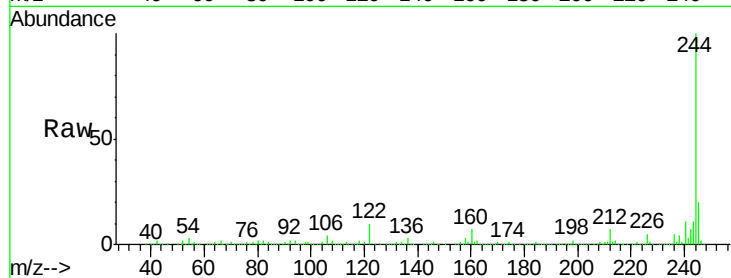
Tot Ion:202 Resp: 9036

Ion Ratio Lower Upper

202 100

200 43.0 17.4 26.2#

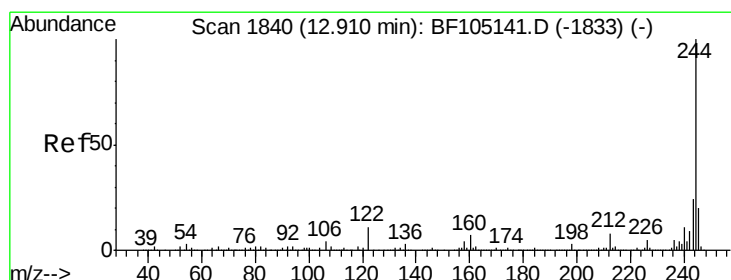
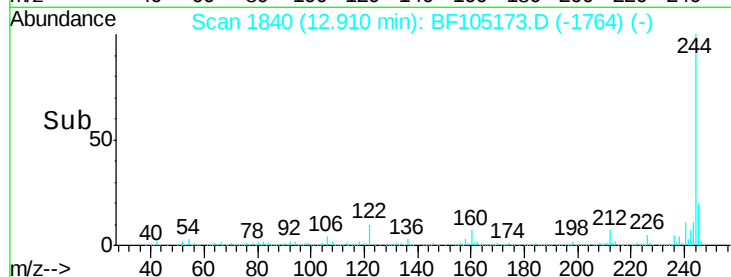
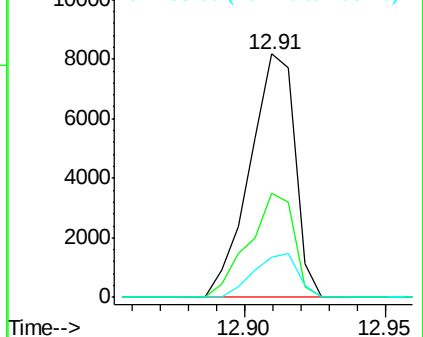
203 16.7 14.3 21.5



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: 71.588 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.01 min

Lab File: BF105173.D

Acq: 9 May 2018 4:44

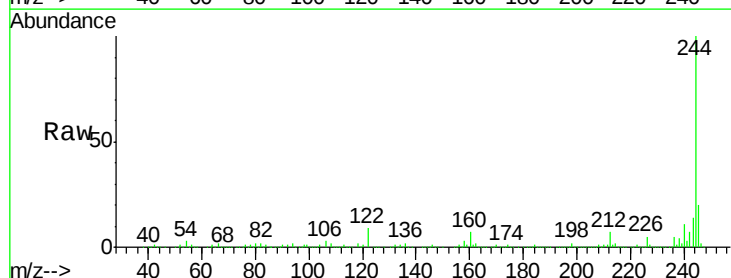
Tgt Ion:244 Resp: 2674664

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

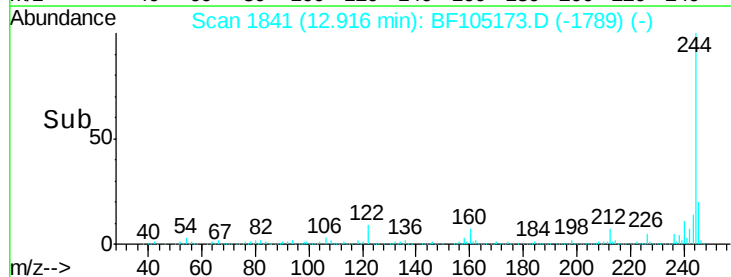
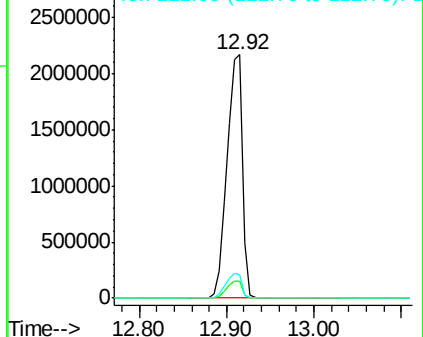
122 9.5 11.0 16.4#

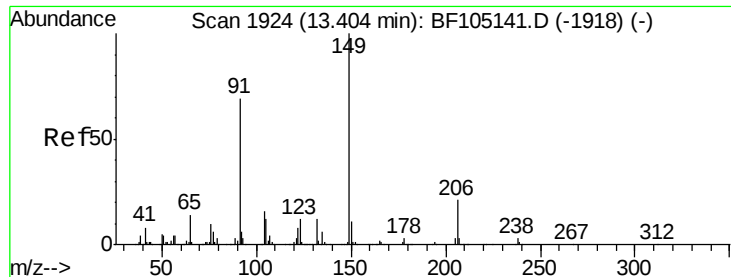


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 6.912 ng

RT: 13.45 min Scan# 1932

Delta R.T. 0.05 min

Lab File: BF105173.D

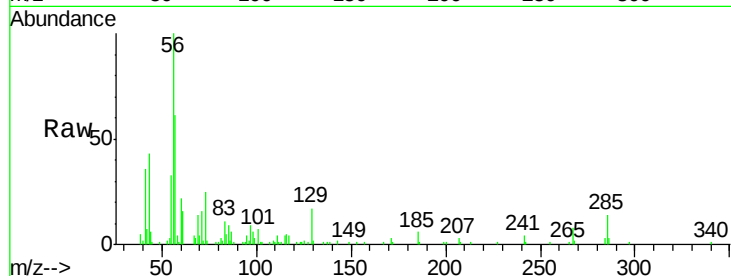
Acq: 9 May 2018 4:44

Instrument :

BNA_F

ClientSampleId :

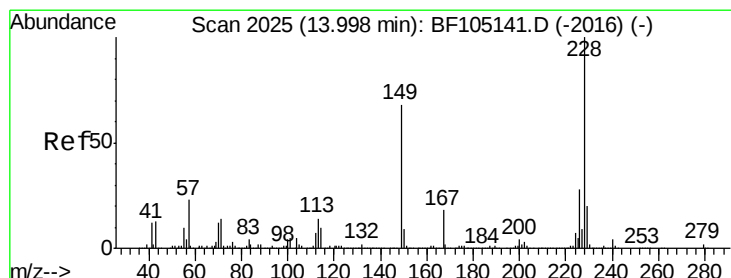
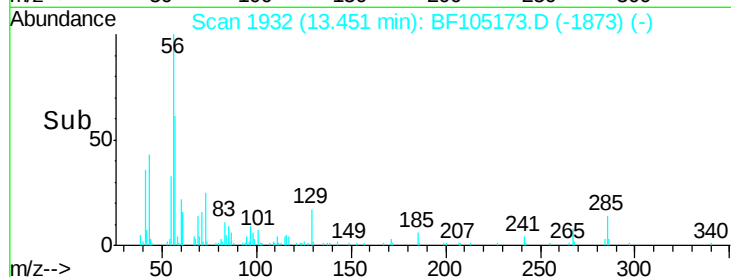
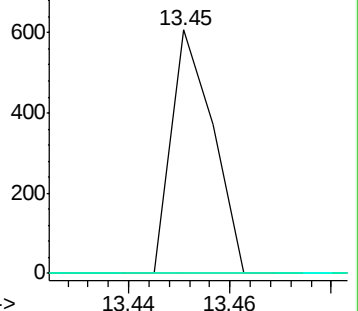
Tot Ion:	149	Resp:	345
Ion	Ratio	Lower	Upper
149	100		
91	0.0	56.8	85.2#
206	0.0	14.1	21.1#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 0.040 ng

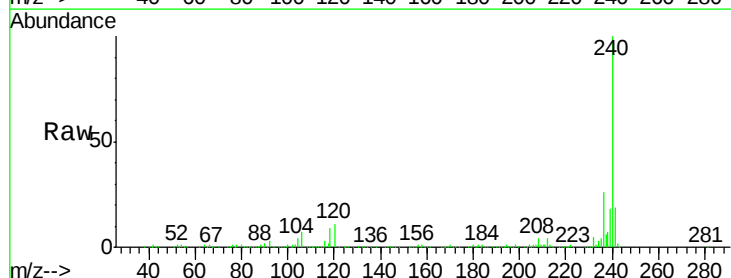
RT: 14.01 min Scan# 2027

Delta R.T. 0.01 min

Lab File: BF105173.D

Acq: 9 May 2018 4:44

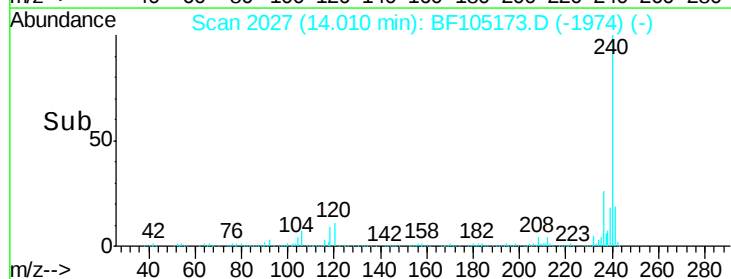
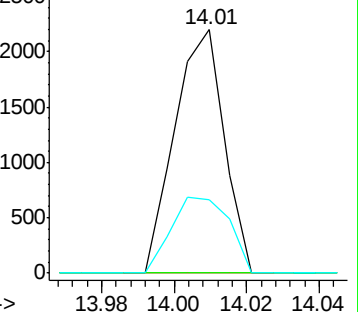
Tgt Ion:	228	Resp:	2094
Ion	Ratio	Lower	Upper
228	100		
226	0.0	22.6	33.8#
229	30.2	15.8	23.6#

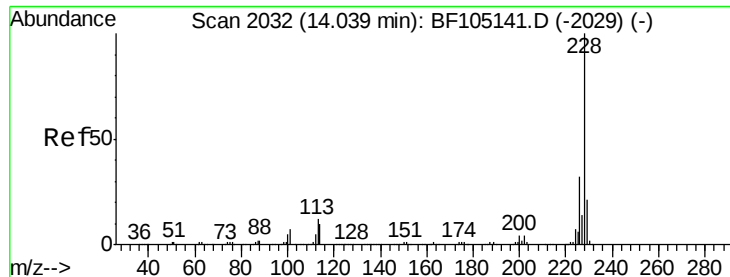


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 0.039 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.03 min

Lab File: BF105173.D

Acq: 9 May 2018 4:44

Instrument :

BNA_F

ClientSampleId :

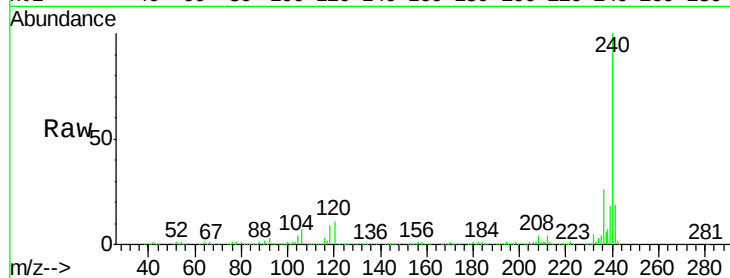
Tot Ion:228 Resp: 2094

Ion Ratio Lower Upper

228 100

226 0.0 25.0 37.6#

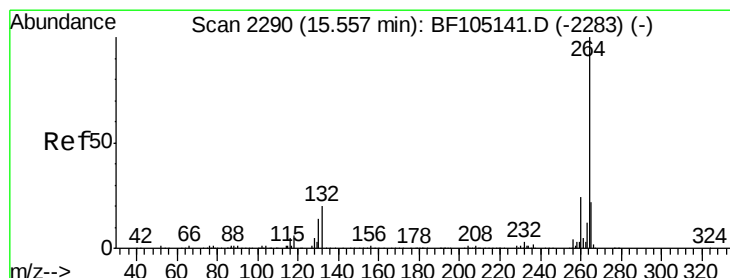
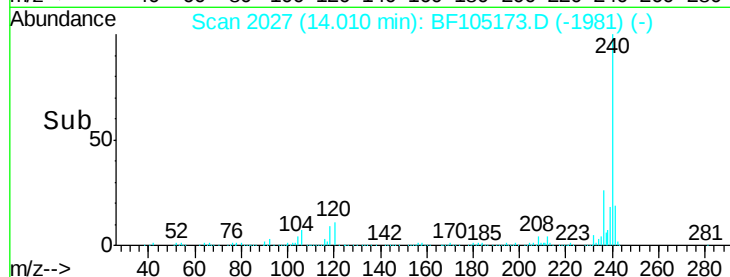
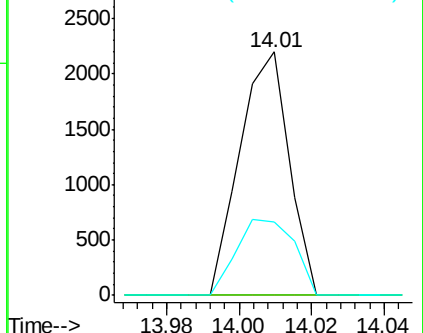
229 30.2 16.2 24.4#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.56 min Scan# 2291

Delta R.T. 0.01 min

Lab File: BF105173.D

Acq: 9 May 2018 4:44

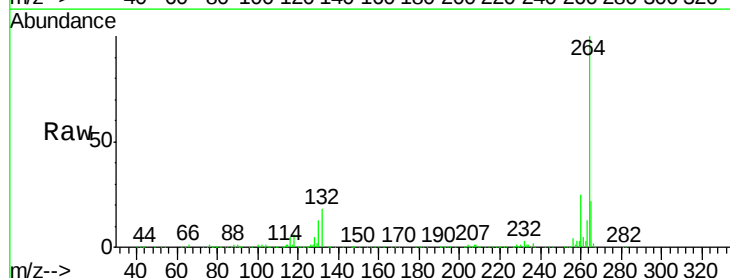
Tgt Ion:264 Resp: 783155

Ion Ratio Lower Upper

264 100

260 24.9 19.2 28.8

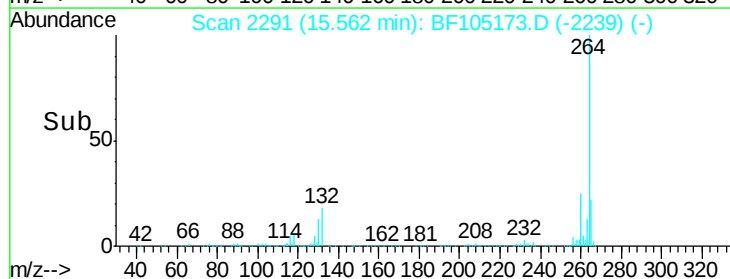
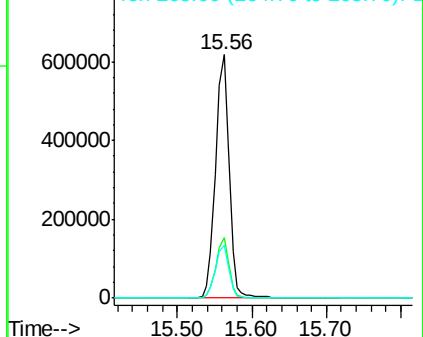
265 21.8 17.5 26.3

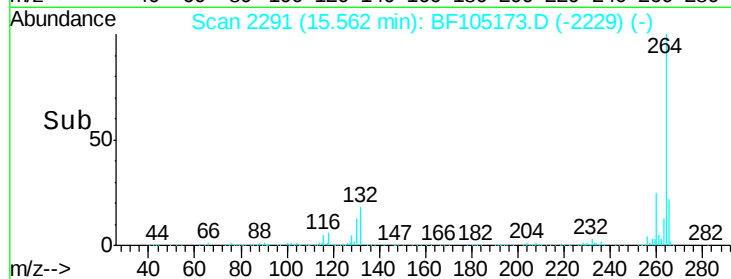
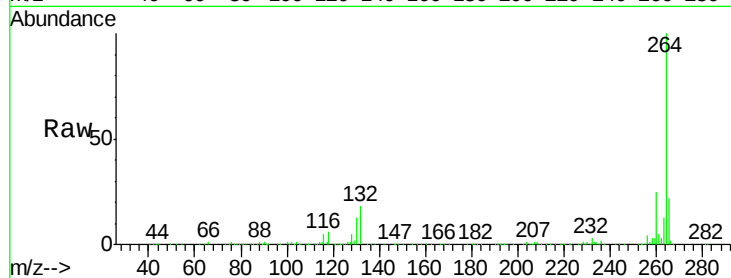
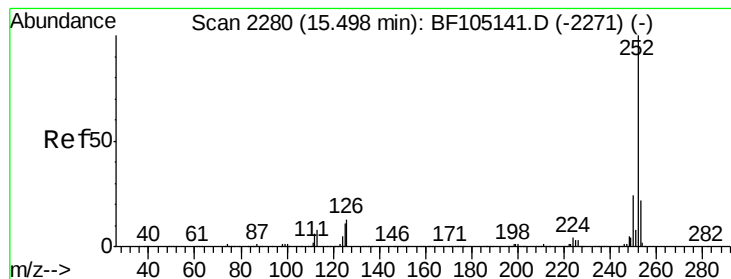


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#89

Benzo(a)pyrene

Concen: 0.059 ng

RT: 15.56 min Scan# 2291

Delta R.T. 0.06 min

Lab File: BF105173.D

Acq: 9 May 2018 4:44

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 2560

Ion Ratio Lower Upper

252 100

253 34.9 17.1 25.7#

125 15.6 9.8 14.6#

