

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080818\
 Data File : BF108017.D
 Acq On : 8 Aug 2018 14:11
 Operator : JU/SJ
 Sample : PB111227BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB111227BL

Quant Time: Aug 08 14:55:37 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	294112	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	1117746	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	605354	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	1277986	20.00	ng	0.00
75) Chrysene-d12	14.21	240	1149498	20.00	ng	0.00
86) Perylene-d12	15.77	264	1022318	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.65	112	2157324	132.80	ng	0.02
7) Phenol-d6	6.64	99	2844497	131.76	ng	0.00
23) Nitrobenzene-d5	7.58	82	1937087	96.71	ng	0.00
41) 2,4,6-Tribromophenol	10.86	330	928880	153.83	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	3500084	92.83	ng	0.00
78) Terphenyl-d14	13.15	244	4161150	92.04	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.93	88	231	0.028	ng	# 1
4) n-Nitrosodimethylamine	3.62	42	354	0.029	ng	# 1
6) Aniline	6.79	93	3707	0.126	ng	# 1
8) 2-Chlorophenol	6.80	128	1069	0.058	ng	# 46
9) Benzaldehyde	6.64	77	5598	0.334	ng	# 1
10) Phenol	6.64	94	425	0.019	ng	# 1
11) bis(2-Chloroethyl)ether	6.79	93	3707	0.205	ng	# 1
12) 1,3-Dichlorobenzene	7.18	146	256	0.012	ng	# 1
13) 1,4-Dichlorobenzene	7.18	146	256	0.012	ng	# 1
14) 1,2-Dichlorobenzene	7.18	146	256	0.013	ng	# 1
15) Benzyl Alcohol	7.17	79	33666	1.852	ng	# 43
17) 2-Methylphenol	7.18	107	132	0.008	ng	# 1
19) n-Nitroso-di-n-propylamine	7.58	70	273508	18.736	ng	# 85
20) 3+4-Methylphenols	7.18	107	132	0.007	ng	# 1
22) Acetophenone	7.17	105	252	0.010	ng	# 1
24) Nitrobenzene	7.58	77	6641	0.328	ng	# 31
25) Isophorone	7.58	82	1934816	50.677	ng	# 64
28) bis(2-Chloroethoxy)methane	8.30	93	175	0.008	ng	# 1
45) 1,1'-Biphenyl	9.47	154	6394	0.143	ng	# 96
47) 2-Nitroaniline	9.38	65	7475	0.655	ng	# 1
48) Acenaphthylene	10.11	152	123	0.002	ng	# 60
50) 2,6-Dinitrotoluene	10.06	165	79053	8.961	ng	# 26
51) Acenaphthene	10.06	154	2343	0.069	ng	# 4
56) 2,4-Dinitrotoluene	10.06	165	79053	6.961	ng	# 24
57) Fluorene	10.85	166	38188	0.975	ng	# 93
59) Diethylphthalate	10.47	149	107	0.003	ng	# 61
62) Azobenzene	10.85	77	5943	0.141	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.85	198	2156	5.758	ng	# 1
65) n-Nitrosodiphenylamine	10.85	169	31823	0.843	ng	# 49
66) 4-Bromophenyl-phenylether	10.86	248	64451	4.641	ng	# 1
70) Phenanthrene	11.58	178	583	0.010	ng	# 59
71) Anthracene	11.58	178	583	0.009	ng	# 60
72) Carbazole	11.56	167	150	0.003	ng	# 1
73) Di-n-butylphthalate	12.11	149	1012	0.016	ng	# 78

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 08 12:24:24 2018
Response via : Initial Calibration

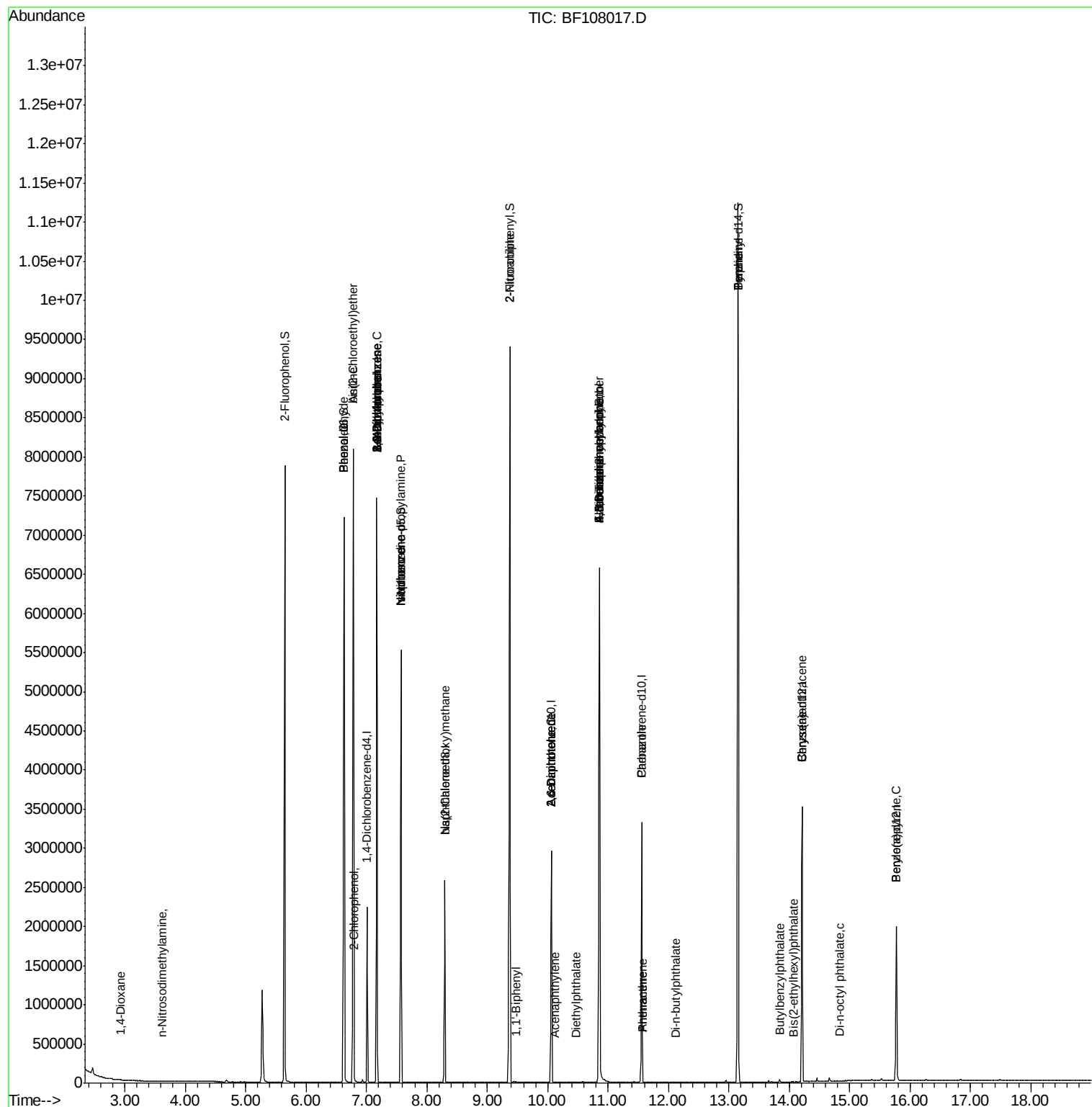
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) Benzidine	13.15	184	66390	1.546	ng	# 95
77) Pyrene	13.15	202	15926	0.219	ng	# 60
79) Butylbenzylphthalate	13.84	149	111	0.004	ng	# 23
80) Benzo(a)anthracene	14.21	228	2733	0.041	ng	# 41
82) Chrysene	14.21	228	2733	0.045	ng	# 40
83) Bis(2-ethylhexyl)phthalate	14.07	149	444	0.011	ng	# 53
84) Di-n-octyl phthalate	14.84	149	110	0.002	ng	# 1
89) Benzo(a)pyrene	15.78	252	3373	0.062	ng	# 82

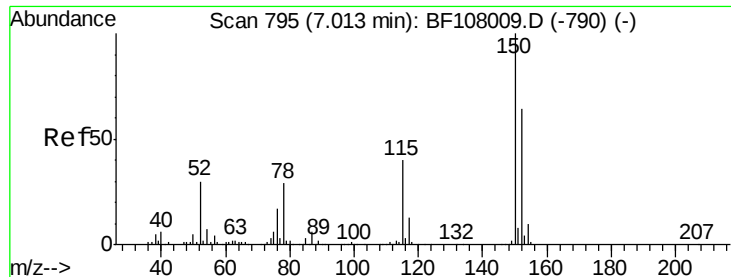
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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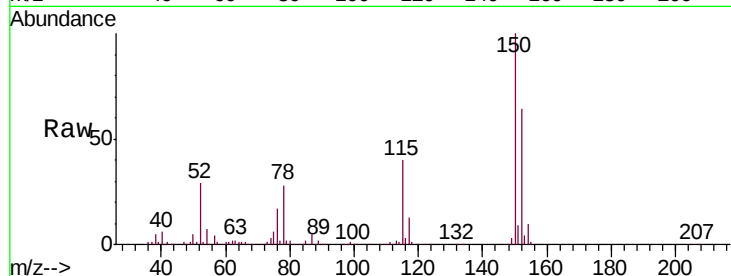


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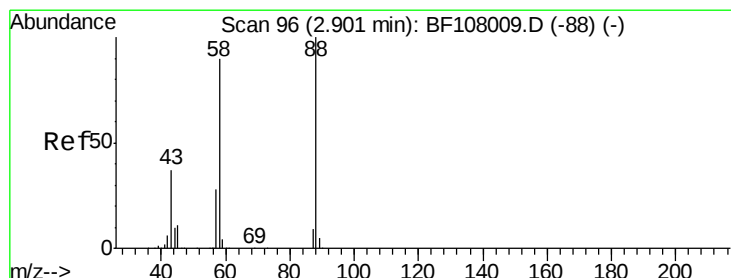
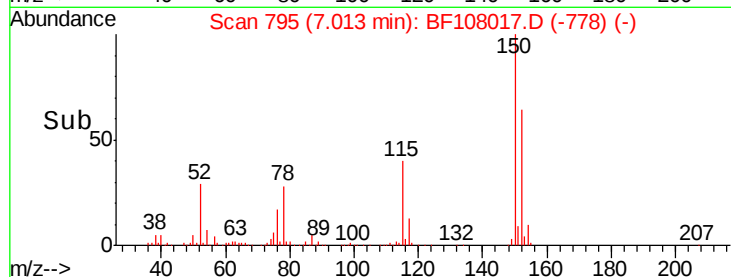
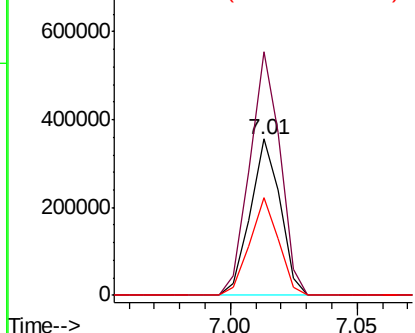
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF108017.D
Acq: 8 Aug 2018 14:11

Instrument :
BNA_F
ClientSampleId :
PB111227BL

Tgt Ion:152 Resp: 294112
Ion Ratio Lower Upper
152 100
150 156.0 124.6 186.8
115 62.5 50.1 75.1



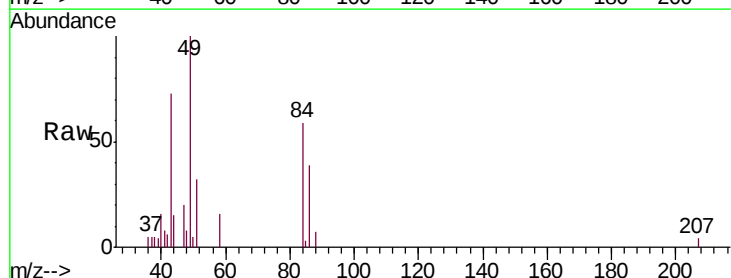
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



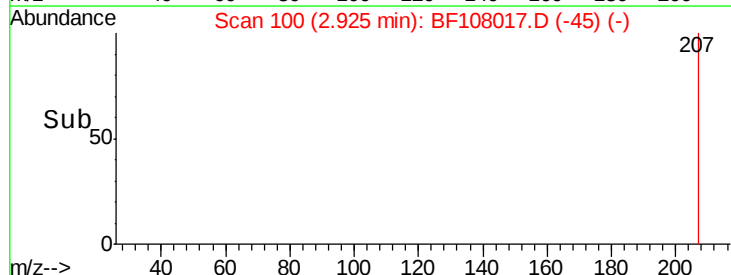
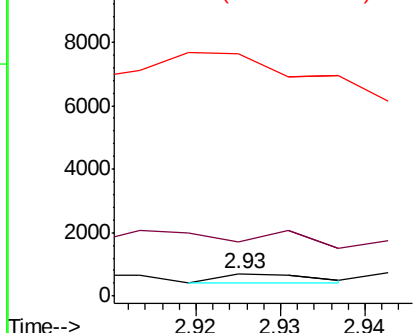
#2

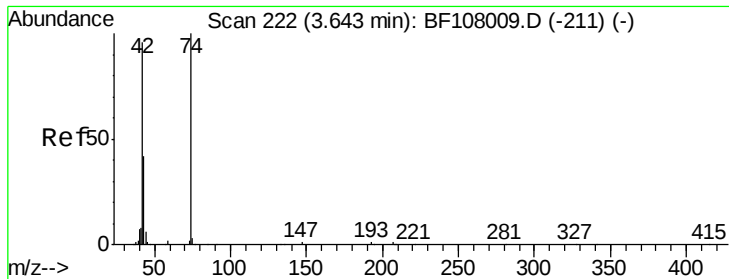
1,4-Dioxane
Concen: 0.028 ng
RT: 2.93 min Scan# 100
Delta R.T. 0.02 min
Lab File: BF108017.D
Acq: 8 Aug 2018 14:11

Tgt Ion: 88 Resp: 231
Ion Ratio Lower Upper
88 100
58 0.0 62.6 93.8#
43 971.0 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



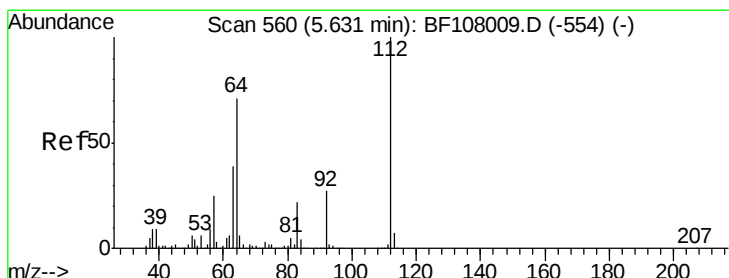
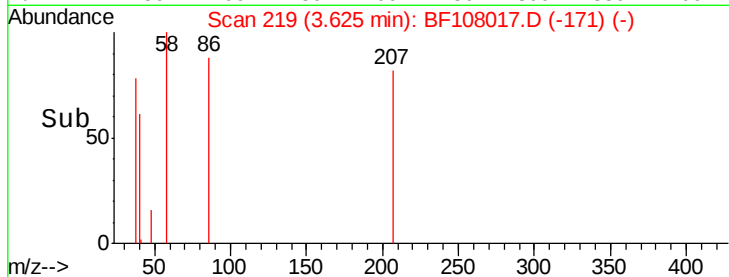
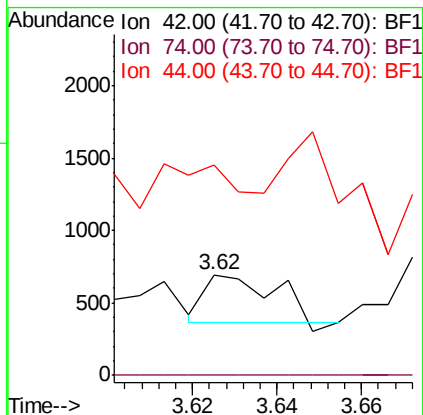
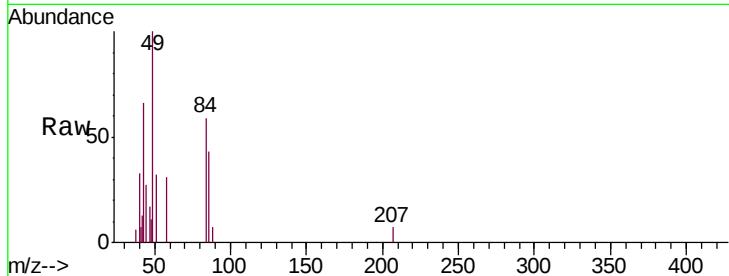


#4

n-Nitrosodimethylamine
 Concen: 0.029 ng
 RT: 3.62 min Scan# 219
 Delta R.T. -0.02 min
 Lab File: BF108017.D
 Acq: 8 Aug 2018 14:11

Instrument :
 BNA_F
 ClientSampleId :
 PB111227BL

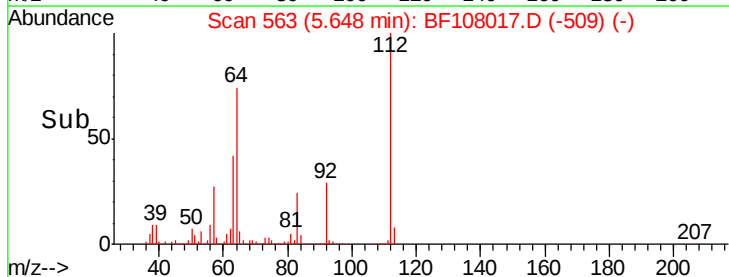
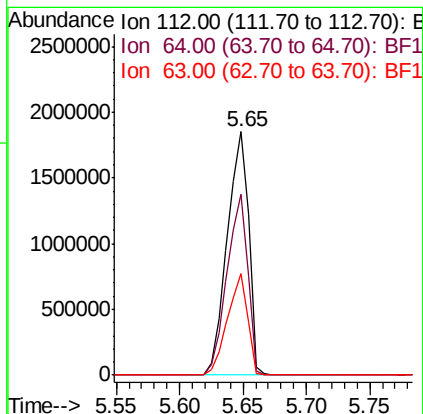
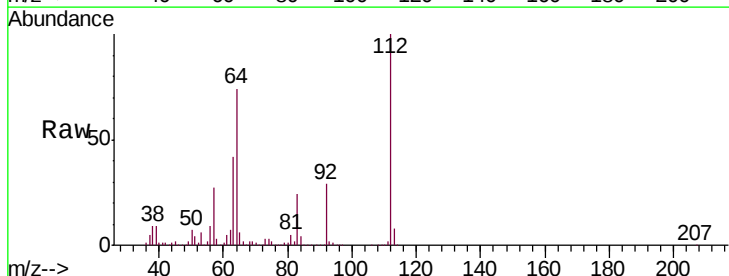
Tgt Ion: 42 Resp: 354
 Ion Ratio Lower Upper
 42 100
 74 0.0 104.9 157.3#
 44 210.1 6.9 10.3#

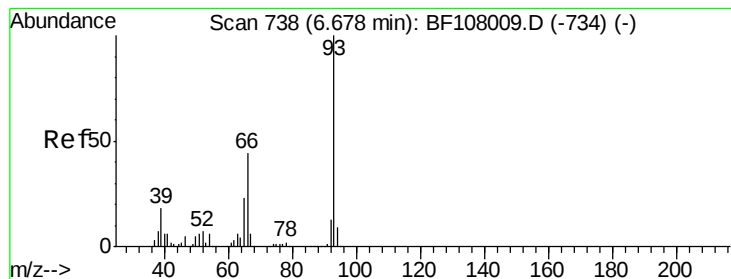


#5

2-Fluorophenol
 Concen: 132.798 ng
 RT: 5.65 min Scan# 563
 Delta R.T. 0.02 min
 Lab File: BF108017.D
 Acq: 8 Aug 2018 14:11

Tgt Ion: 112 Resp: 2157324
 Ion Ratio Lower Upper
 112 100
 64 74.2 47.9 71.9#
 63 41.6 23.7 35.5#





#6

Aniline

Concen: 0.126 ng

RT: 6.79 min Scan# 757

Delta R.T. 0.11 min

Lab File: BF108017.D

Acq: 8 Aug 2018 14:11

Instrument :

BNA_F

ClientSampleId :

PB111227BL

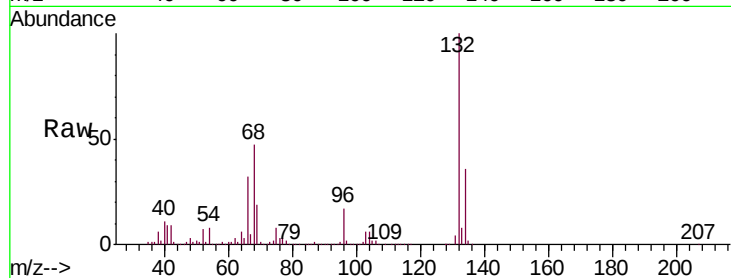
Tgt Ion: 93 Resp: 3707

Ion Ratio Lower Upper

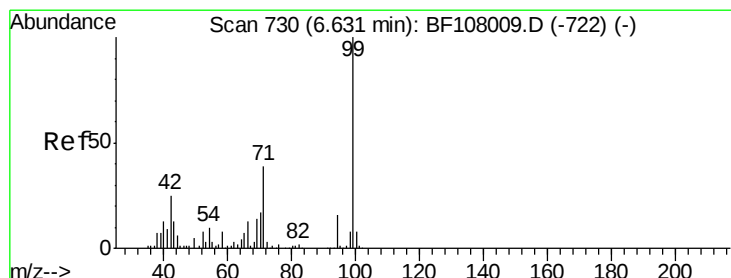
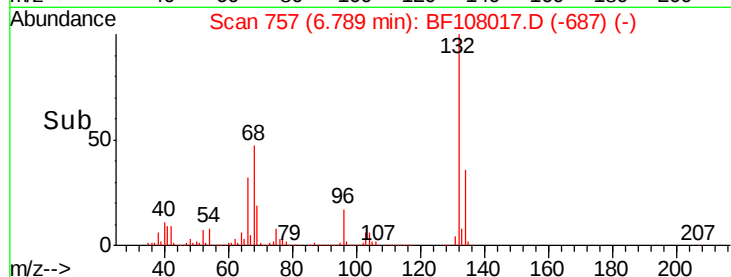
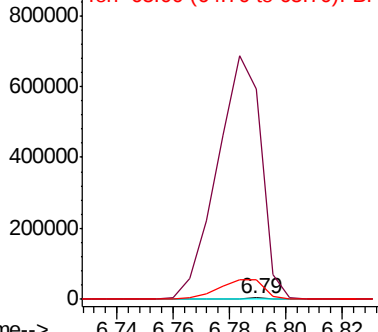
93 100

66 19704.1 32.2 48.2#

65 1869.1 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: 131.765 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108017.D

Acq: 8 Aug 2018 14:11

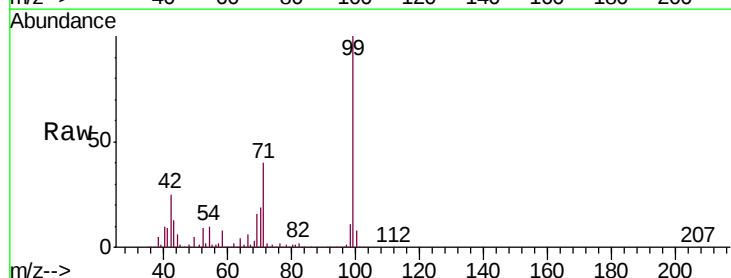
Tgt Ion: 99 Resp: 2844497

Ion Ratio Lower Upper

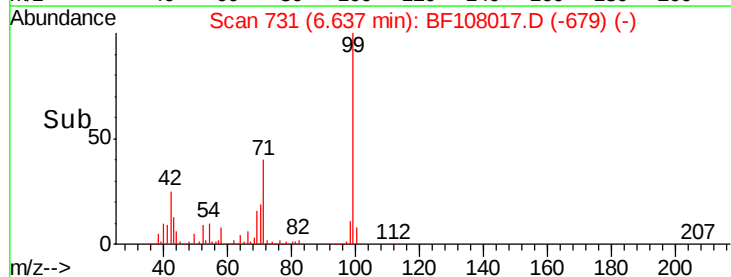
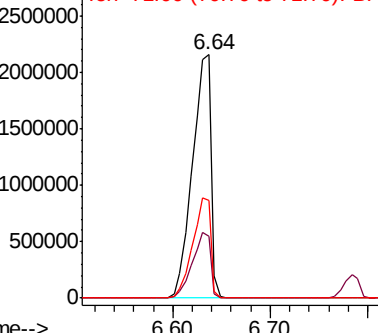
99 100

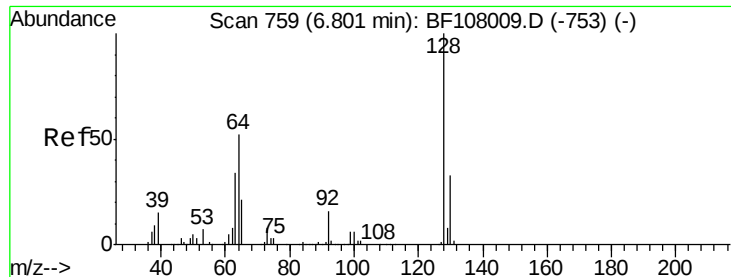
42 25.2 14.5 21.7#

71 40.0 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: 0.058 ng

RT: 6.80 min Scan# 759

Delta R.T. 0.00 min

Lab File: BF108017.D

Acq: 8 Aug 2018 14:11

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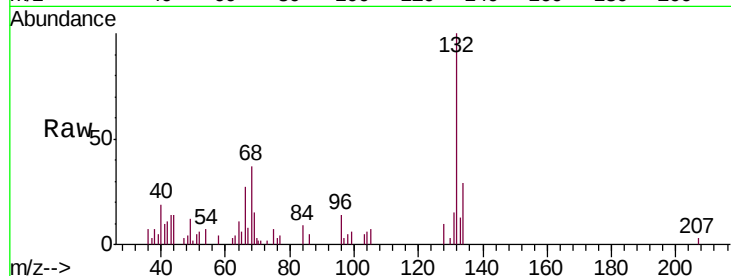
Tgt Ion:128 Resp: 1069

Ion Ratio Lower Upper

128 100

130 25.3 13.0 53.0

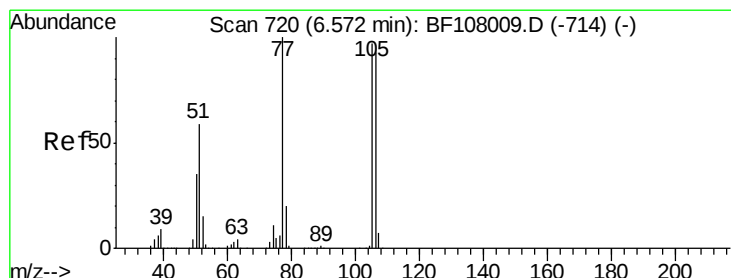
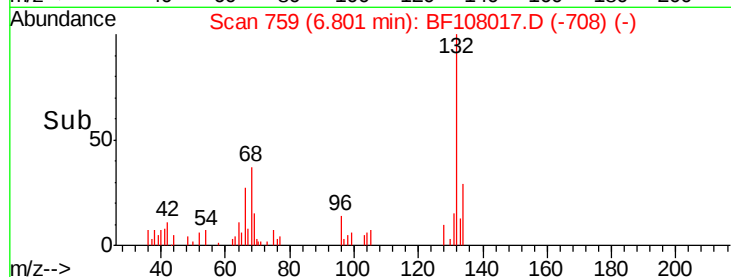
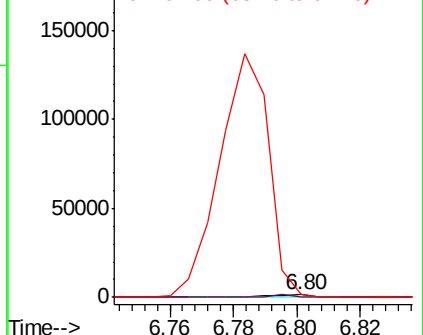
64 105.1 29.4 69.4#



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: 0.334 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.06 min

Lab File: BF108017.D

Acq: 8 Aug 2018 14:11

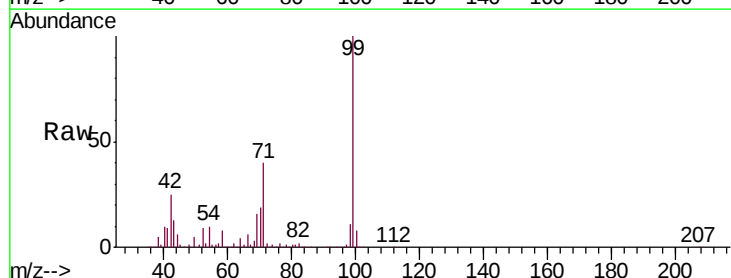
Tgt Ion: 77 Resp: 5598

Ion Ratio Lower Upper

77 100

105 0.0 81.1 121.1#

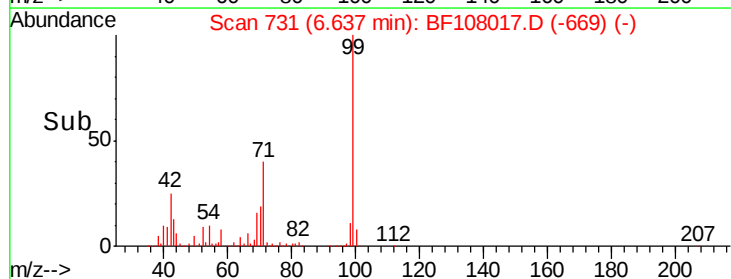
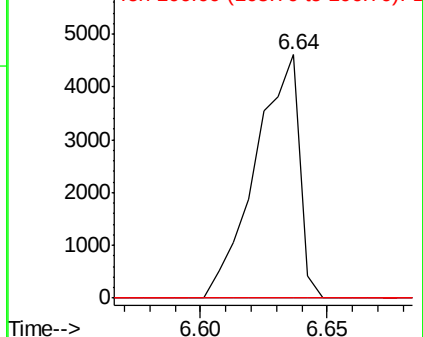
106 0.0 74.5 114.5#

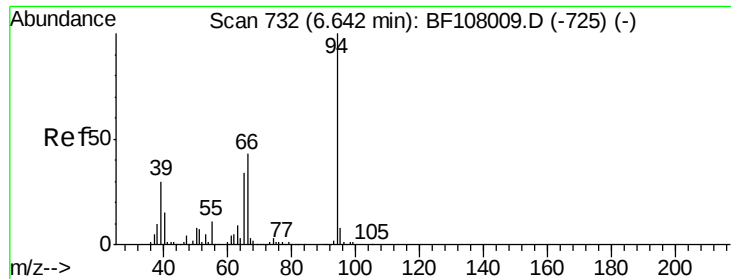


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.019 ng

RT: 6.64 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF108017.D

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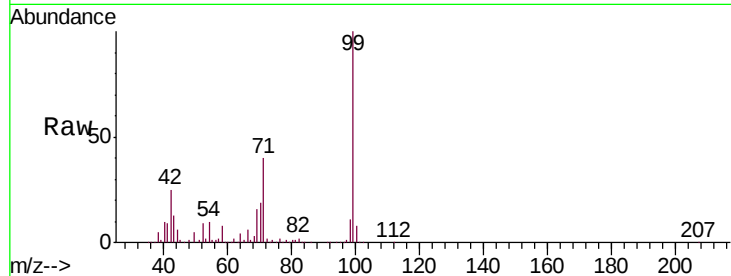
Tgt Ion: 94 Resp: 425

Ion Ratio Lower Upper

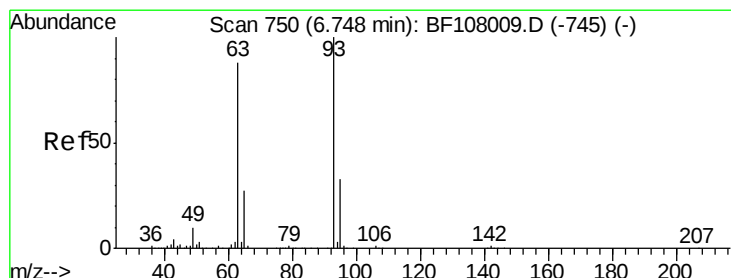
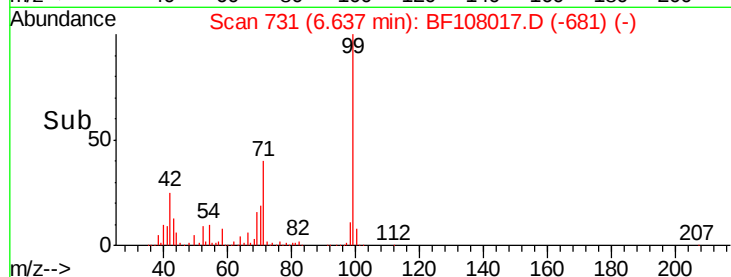
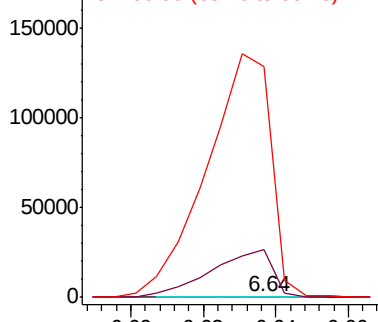
94 100

65 5500.6 7.9 47.9#

66 26564.0 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: 0.205 ng

RT: 6.79 min Scan# 757

Delta R.T. 0.04 min

Lab File: BF108017.D

Acq: 8 Aug 2018 14:11

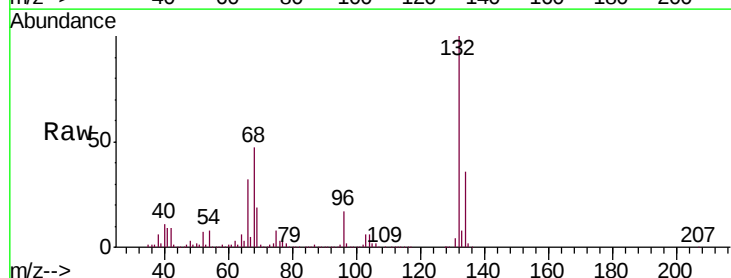
Tgt Ion: 93 Resp: 3707

Ion Ratio Lower Upper

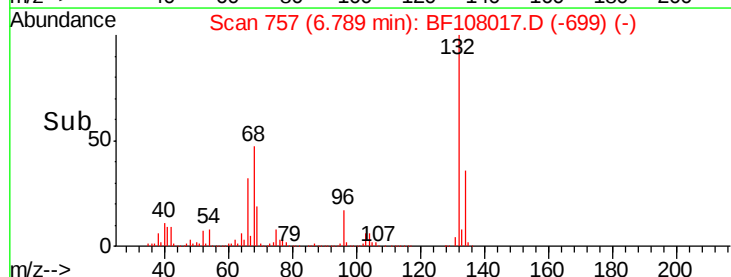
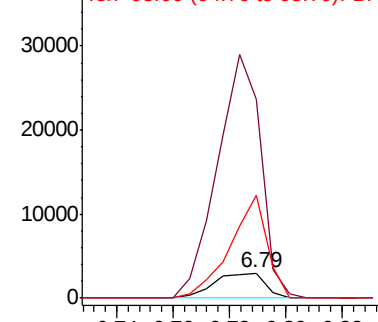
93 100

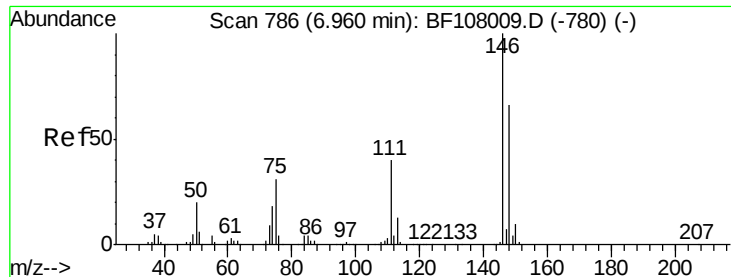
63 788.3 58.6 98.6#

95 405.0 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: 0.012 ng

RT: 7.18 min Scan# 823

Delta R.T. 0.22 min

Lab File: BF108017.D

Acq: 8 Aug 2018 14:11

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BNA_F

ClientSampleId :

PB111227BL

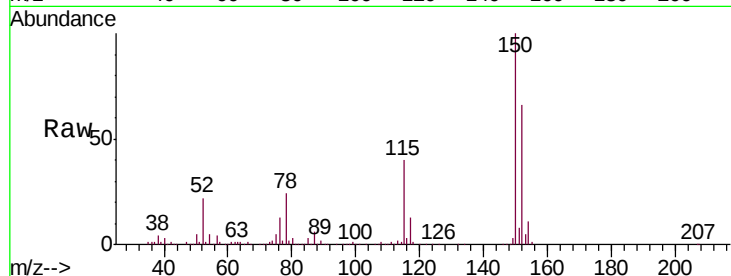
Tgt Ion:146 Resp: 256

Ion Ratio Lower Upper

146 100

148 765.5 51.8 77.8#

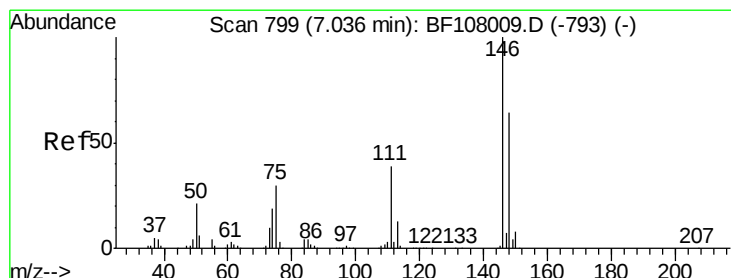
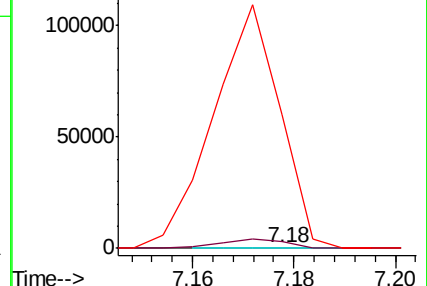
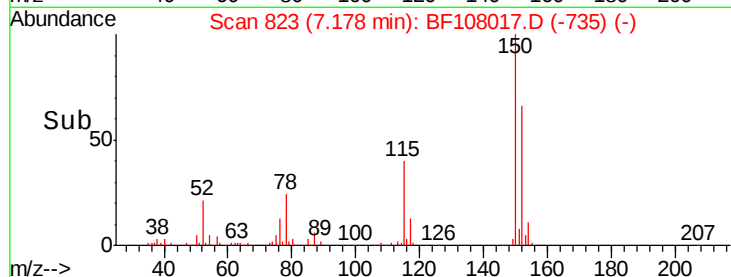
75 14864.5 24.2 36.4#



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: 0.012 ng

RT: 7.18 min Scan# 823

Delta R.T. 0.14 min

Lab File: BF108017.D

Acq: 8 Aug 2018 14:11

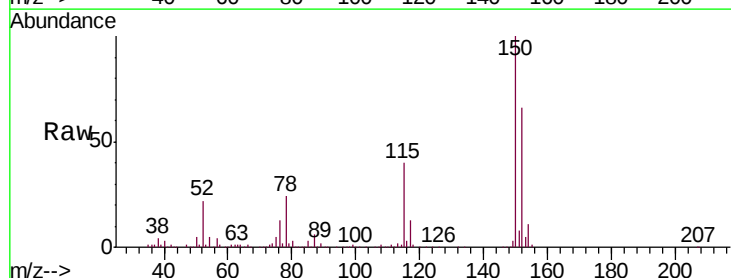
Tgt Ion:146 Resp: 256

Ion Ratio Lower Upper

146 100

148 765.5 50.8 76.2#

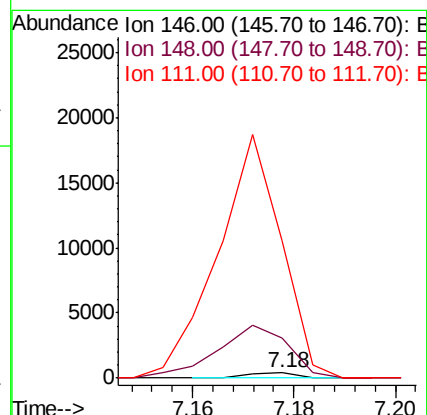
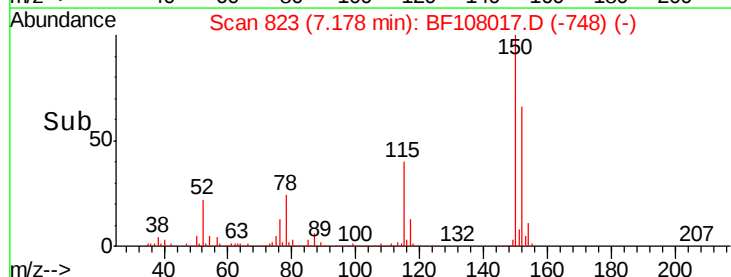
111 2615.6 34.2 51.2#

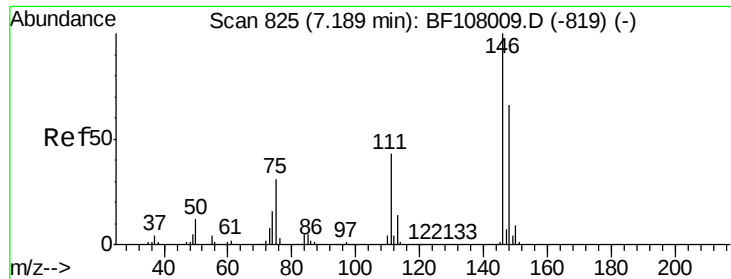


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

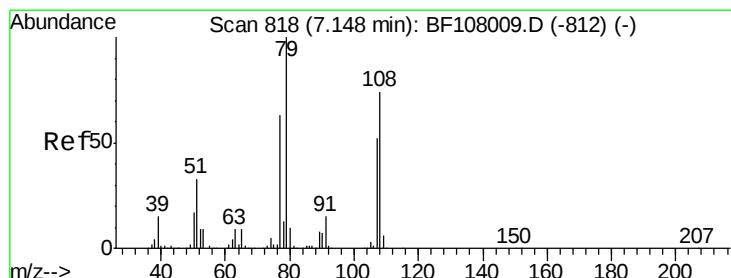
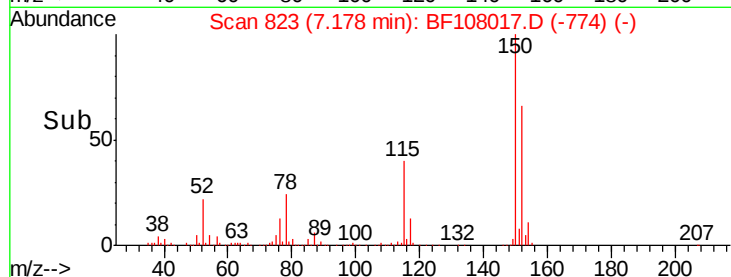
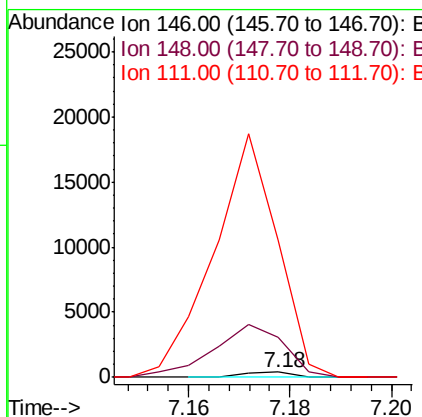
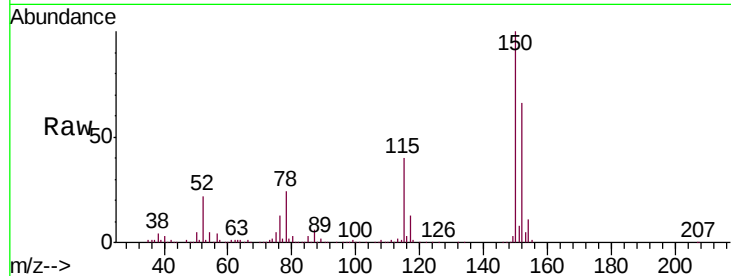




#14
 1,2-Dichlorobenzene
 Concen: 0.013 ng
 RT: 7.18 min Scan# 823
 Delta R.T. -0.01 min
 Lab File: BF108017.D
 Acq: 8 Aug 2018 14:11

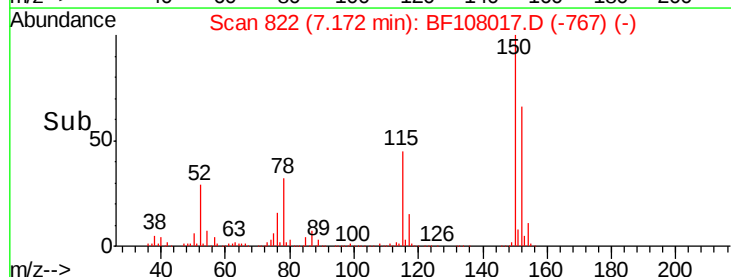
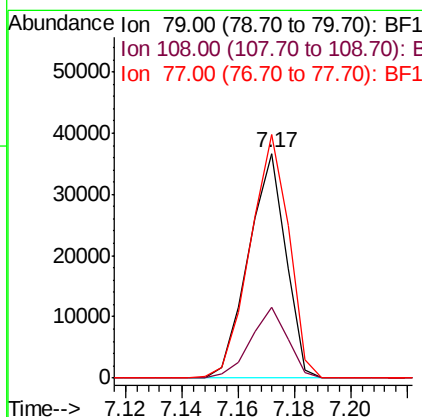
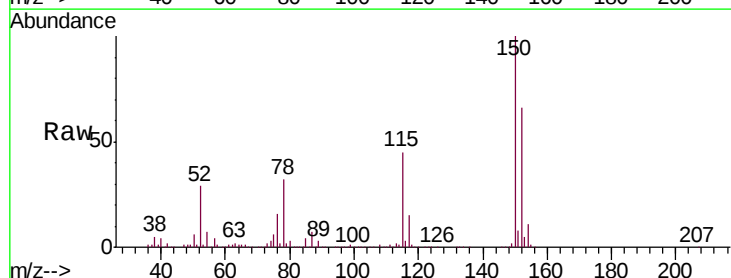
Instrument :
 BNA_F
 ClientSampleId :
 PB111227BL

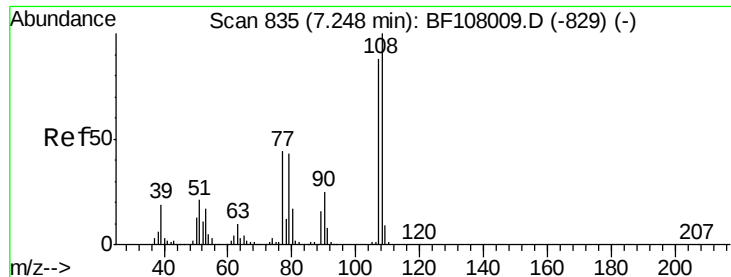
Tgt Ion:146 Resp: 256
 Ion Ratio Lower Upper
 146 100
 148 765.5 50.6 75.8#
 111 2615.6 36.0 54.0#



#15
 Benzyl Alcohol
 Concen: 1.852 ng
 RT: 7.17 min Scan# 822
 Delta R.T. 0.02 min
 Lab File: BF108017.D
 Acq: 8 Aug 2018 14:11

Tgt Ion: 79 Resp: 33666
 Ion Ratio Lower Upper
 79 100
 108 31.3 65.1 97.7#
 77 108.3 50.6 75.8#

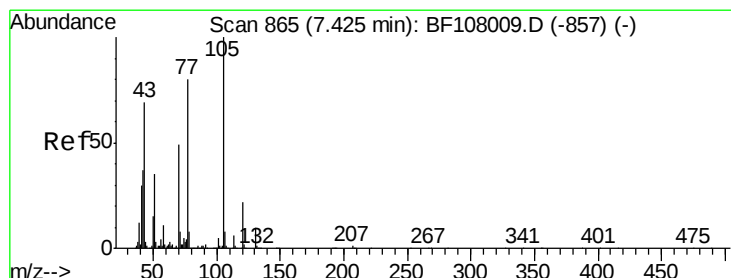
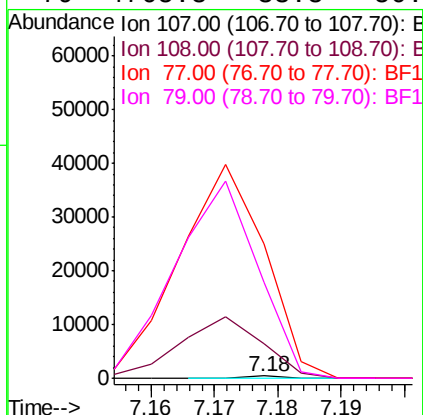
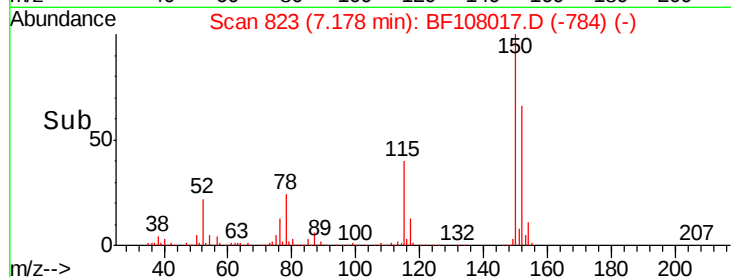
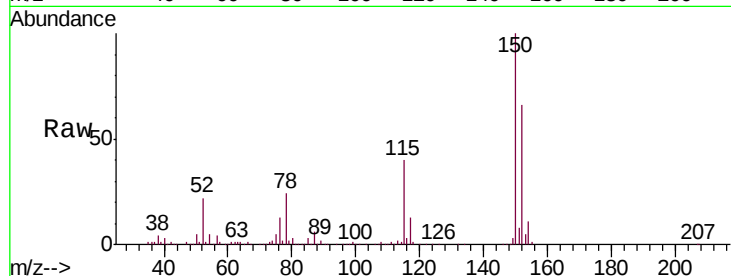




#17
2-Methylphenol
Concen: 0.008 ng
RT: 7.18 min Scan# 823
Delta R.T. -0.07 min
Lab File: BF108017.D
Acq: 8 Aug 2018 14:11

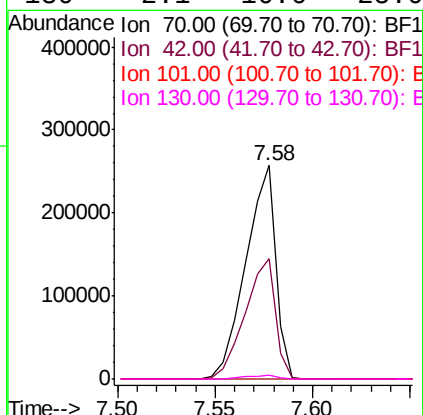
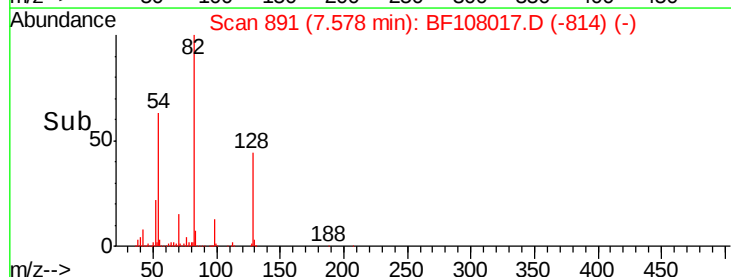
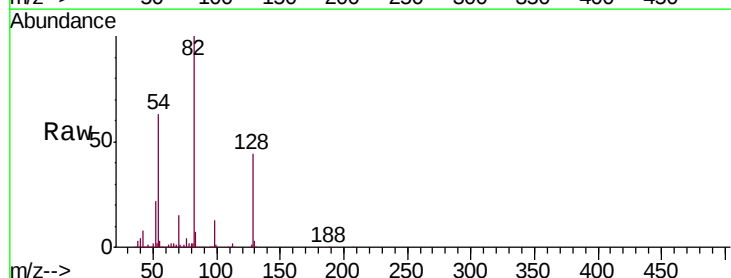
Instrument :
BNA_F
ClientSampleId :
PB111227BL

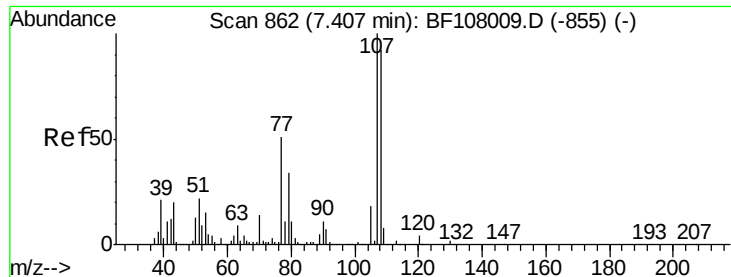
Tgt Ion: 107 Resp: 132
Ion Ratio Lower Upper
107 100
108 1702.9 91.7 137.5#
77 6667.4 33.8 50.8#
79 4765.8 33.8 50.8#



#19
n-Nitroso-di-n-propylamine
Concen: 18.736 ng
RT: 7.58 min Scan# 891
Delta R.T. 0.15 min
Lab File: BF108017.D
Acq: 8 Aug 2018 14:11

Tgt Ion: 70 Resp: 273508
Ion Ratio Lower Upper
70 100
42 56.1 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: 7.18 min Scan# 823

Delta R.T. -0.23 min

Lab File: BF108017.D

Acq: 8 Aug 2018 14:11

Instrument :

BNA_F

ClientSampleId :

PB111227BL

Tgt Ion:107 Resp: 132

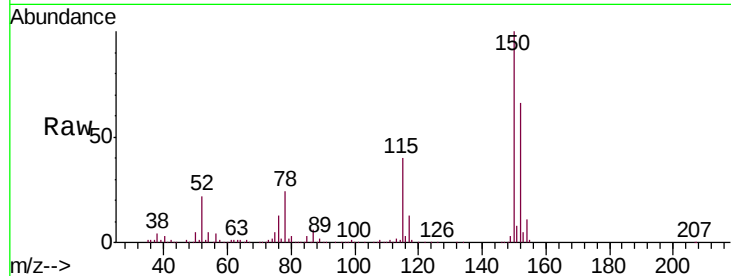
Ion Ratio Lower Upper

107 100

108 1702.9 68.2 108.2#

77 6667.4 26.7 66.7#

79 4765.8 6.3 46.3#

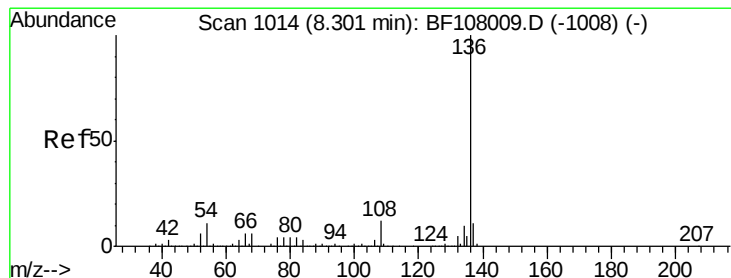
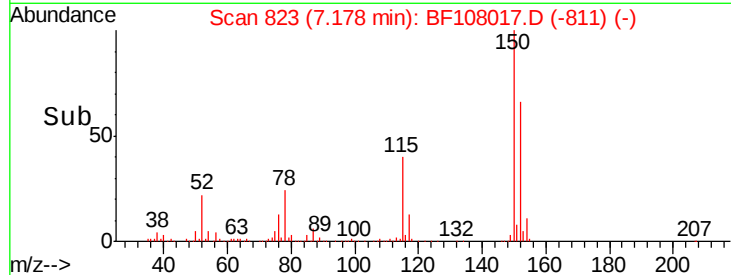
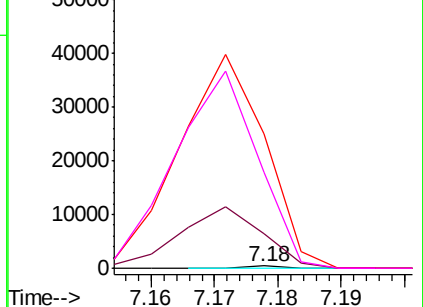


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BF108017.D

Acq: 8 Aug 2018 14:11

Tgt Ion:136 Resp: 1117746

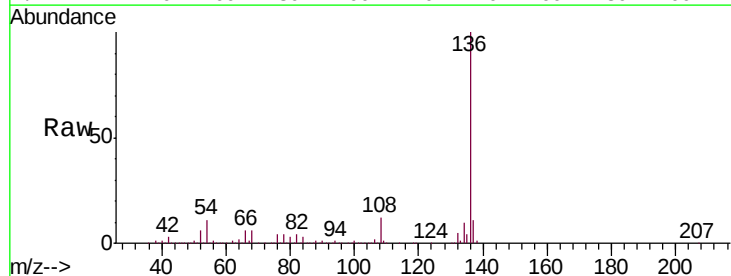
Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 11.0 6.6 9.8#

68 6.4 5.0 7.4

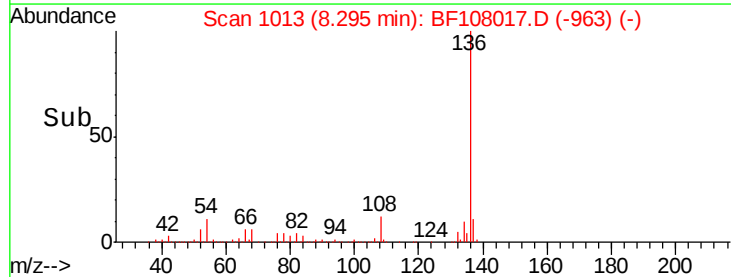
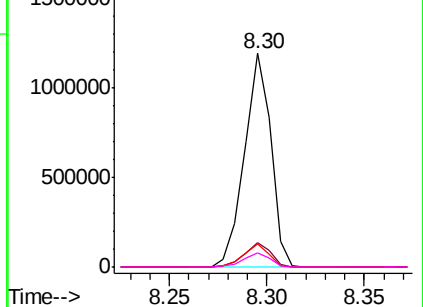


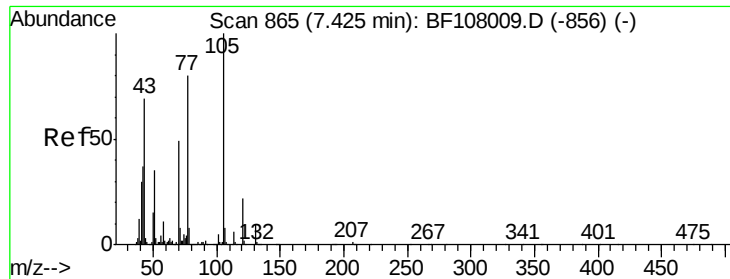
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.010 ng

RT: 7.17 min Scan# 822

Delta R.T. -0.25 min

Lab File: BF108017.D

Acq: 8 Aug 2018 14:11

Instrument :

BNA_F

ClientSampleId :

PB111227BL

Tgt Ion:105 Resp: 252

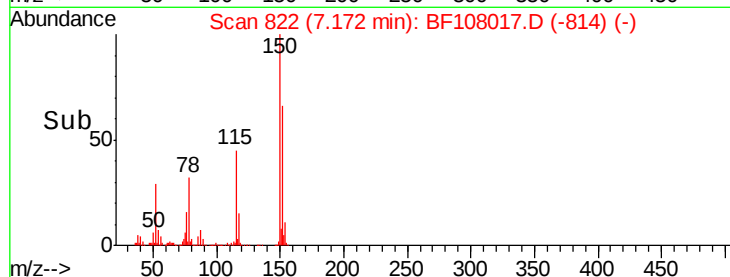
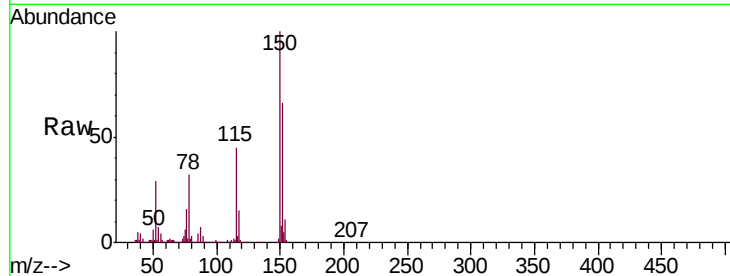
Ion Ratio Lower Upper

105 100

71 1018.9 4.4 6.6#

51 4043.2 22.3 33.5#

120 559.7 16.9 25.3#

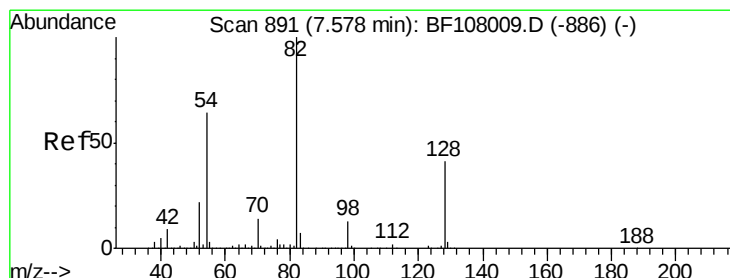
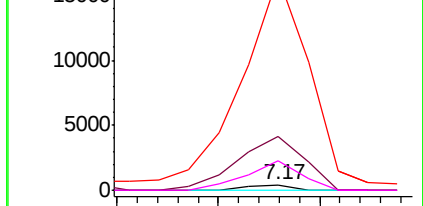


Abundance Ion 105.00 (104.70 to 105.70): E

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: 96.706 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.00 min

Lab File: BF108017.D

Acq: 8 Aug 2018 14:11

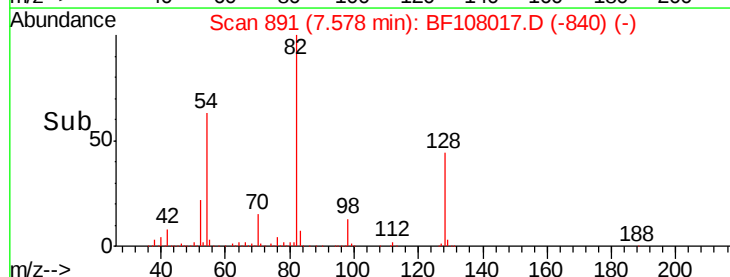
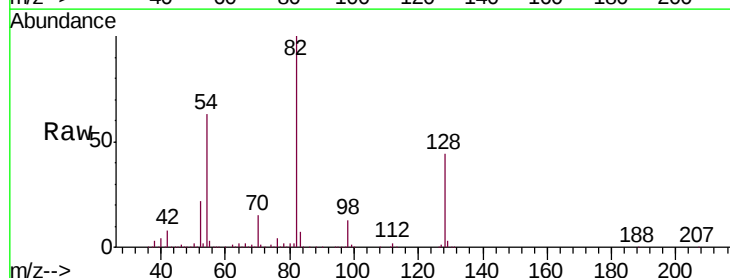
Tgt Ion: 82 Resp: 1937087

Ion Ratio Lower Upper

82 100

128 43.5 36.1 54.1

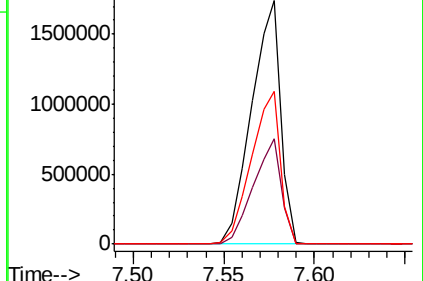
54 62.8 41.4 62.2#

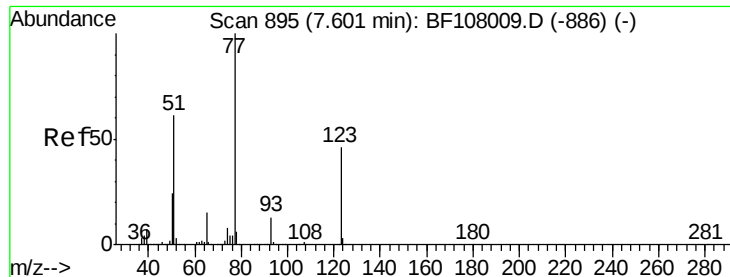


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#24

Nitrobenzene

Concen: 0.328 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.02 min

Lab File: BF108017.D

Acq: 8 Aug 2018 14:11

Instrument :

BNA_F

ClientSampleId :

PB111227BL

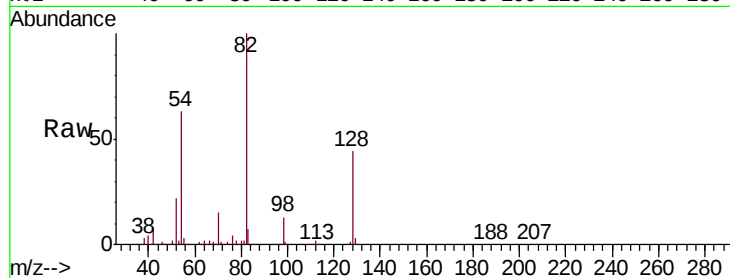
Tgt Ion: 77 Resp: 6641

Ion Ratio Lower Upper

77 100

123 0.0 37.9 56.9#

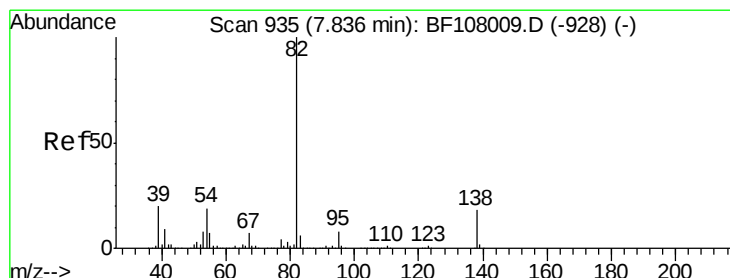
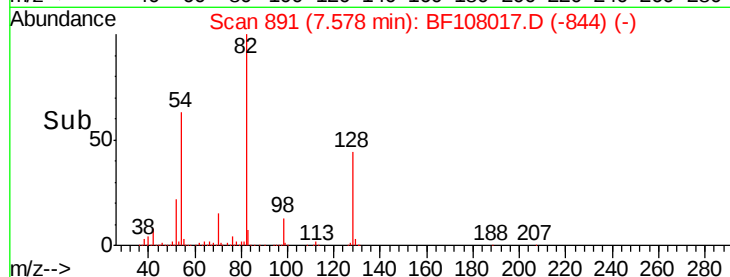
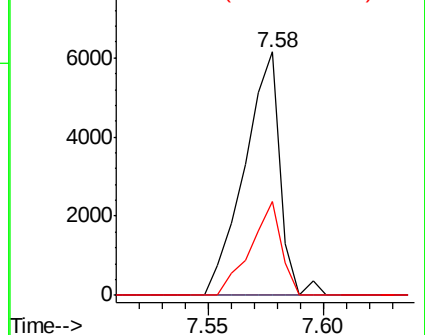
65 38.4 11.0 16.4#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1



#25

Isophorone

Concen: 50.677 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF108017.D

Acq: 8 Aug 2018 14:11

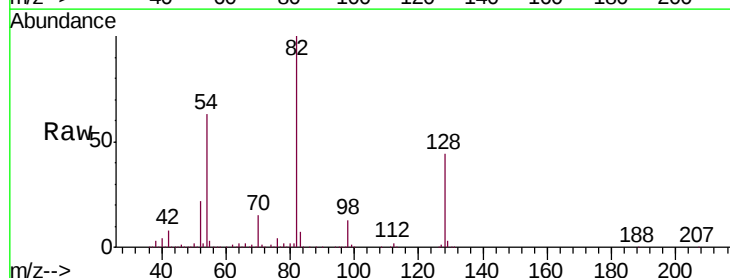
Tgt Ion: 82 Resp: 1934816

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

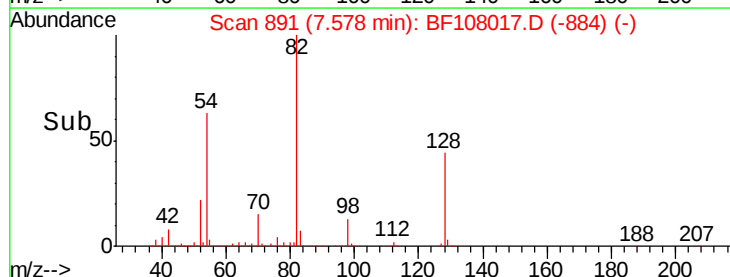
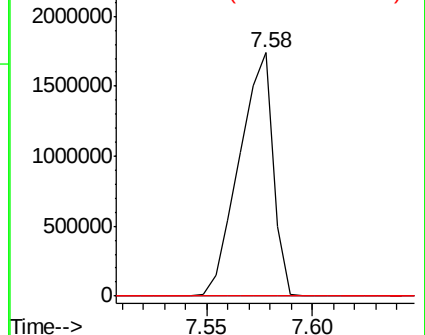
138 0.0 14.9 22.3#

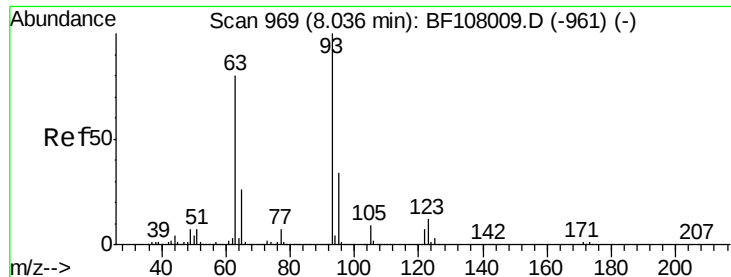


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

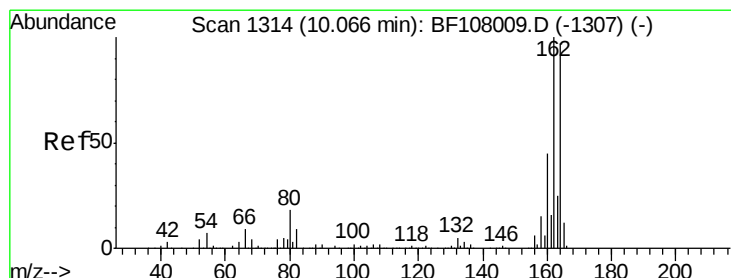
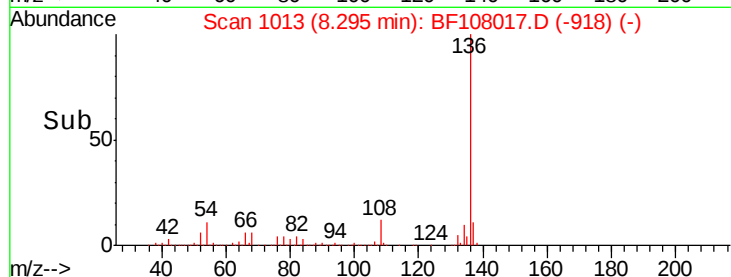
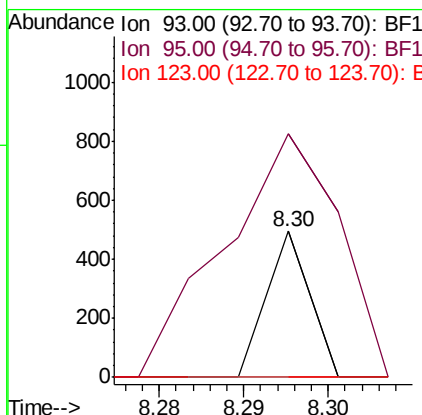
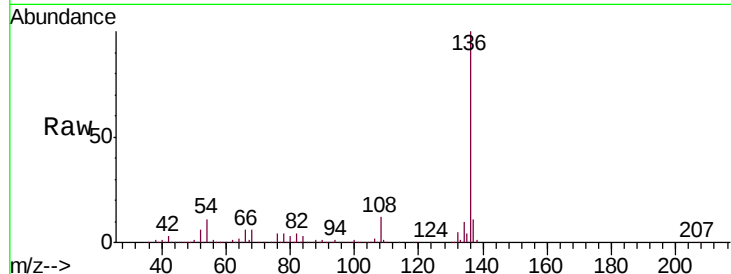




#28
bis(2-Chloroethoxy)methane
Concen: 0.008 ng
RT: 8.30 min Scan# 1013
Delta R.T. 0.26 min
Lab File: BF108017.D
Acq: 8 Aug 2018 14:11

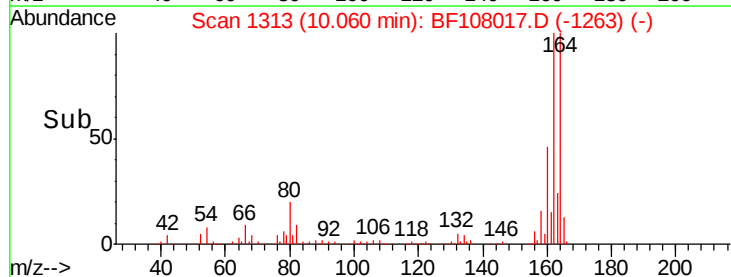
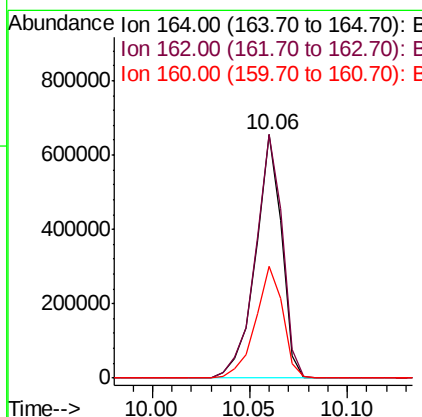
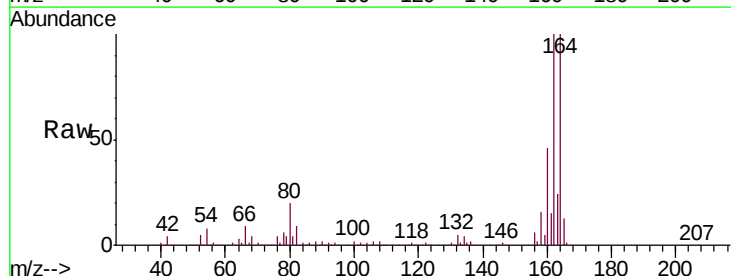
Instrument :
BNA_F
ClientSampleId :
PB111227BL

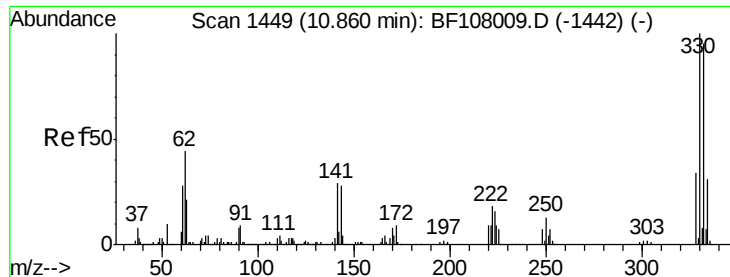
Tgt Ion: 93 Resp: 175
Ion Ratio Lower Upper
93 100
95 166.7 26.3 39.5#
123 0.0 9.8 14.6#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF108017.D
Acq: 8 Aug 2018 14:11

Tgt Ion: 164 Resp: 605354
Ion Ratio Lower Upper
164 100
162 100.0 86.1 129.1
160 46.0 38.3 57.5

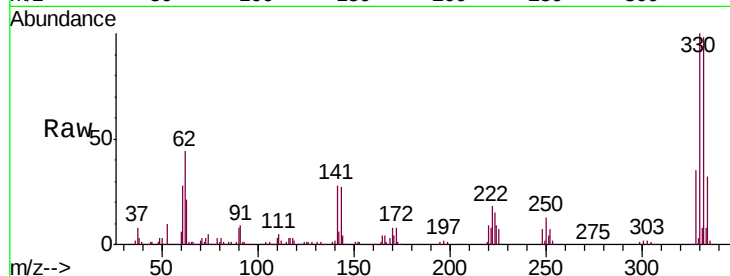




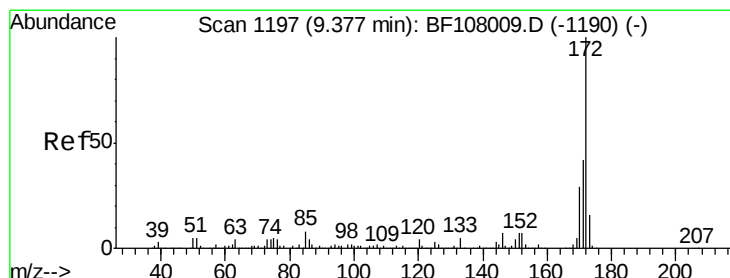
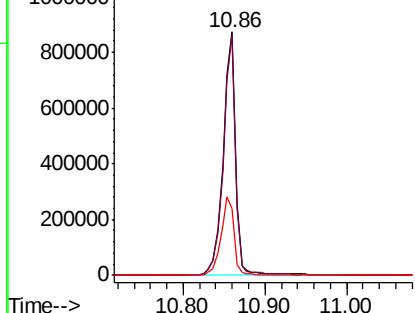
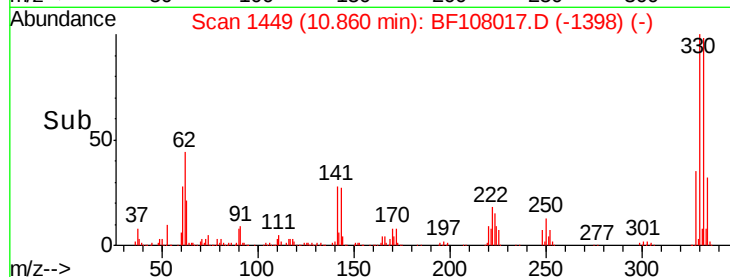
#41
 2,4,6-Tribromophenol
 Concen: 153.833 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. 0.00 min
 Lab File: BF108017.D
 Acq: 8 Aug 2018 14:11

Instrument :
 BNA_F
 ClientSampleId :
 PB111227BL

Tgt Ion:330 Resp: 928880
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.0 115.6
 141 34.3 29.9 44.9

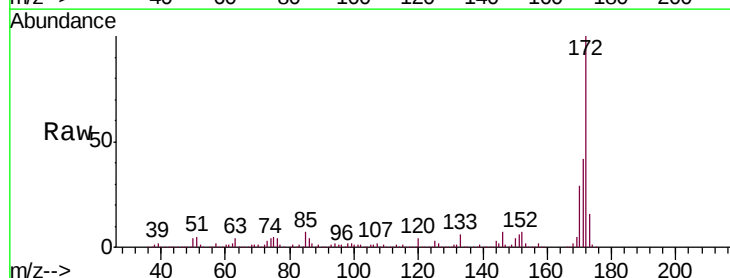


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

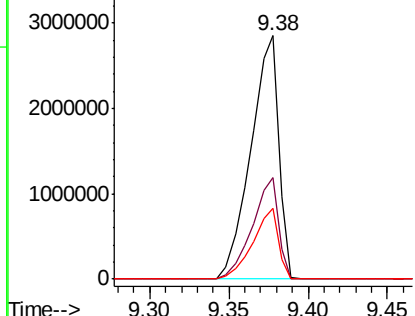
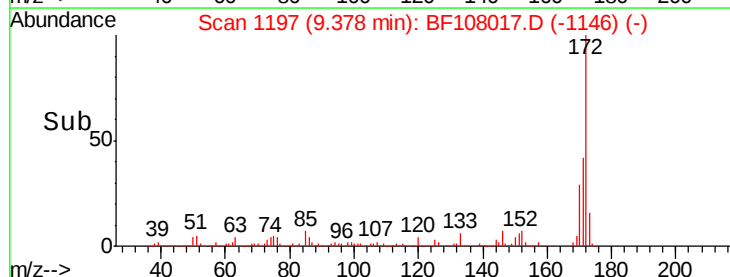


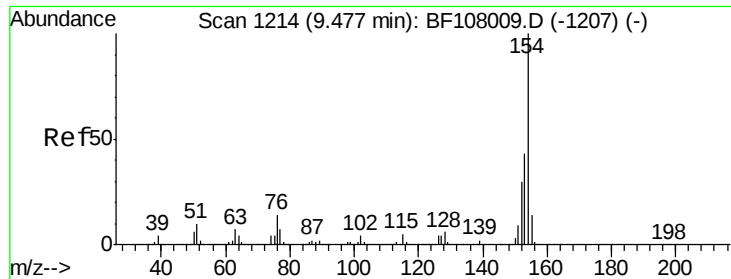
#44
 2-Fluorobiphenyl
 Concen: 92.826 ng
 RT: 9.38 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: BF108017.D
 Acq: 8 Aug 2018 14:11

Tgt Ion:172 Resp: 3500084
 Ion Ratio Lower Upper
 172 100
 171 41.5 29.7 44.5
 170 28.9 19.6 29.4



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

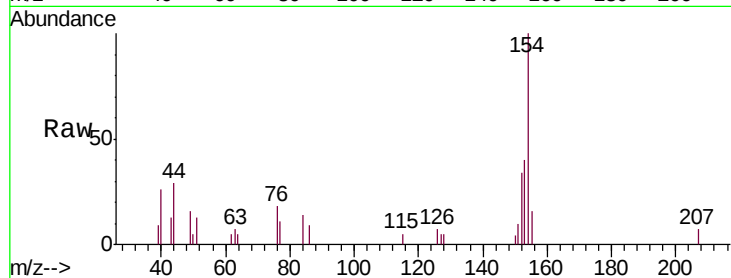




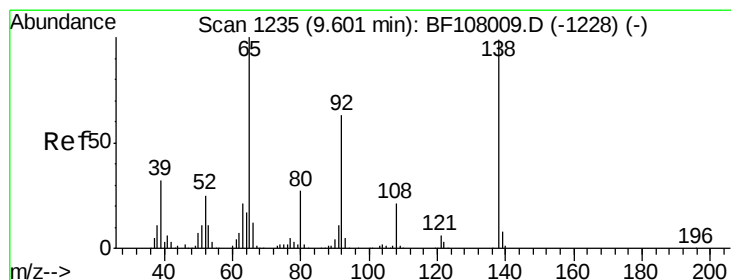
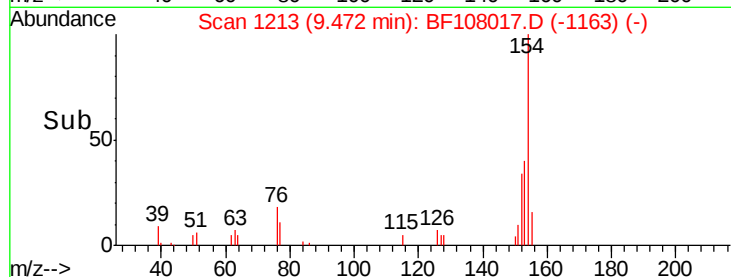
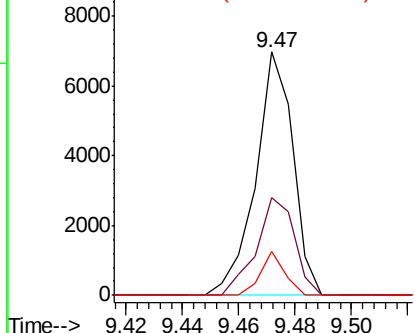
#45
1,1'-Biphenyl
Concen: 0.143 ng
RT: 9.47 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF108017.D
Acq: 8 Aug 2018 14:11

Instrument :
BNA_F
ClientSampleId :
PB111227BL

Tgt Ion:154 Resp: 6394
Ion Ratio Lower Upper
154 100
153 40.3 21.3 61.3
76 17.9 0.0 34.0

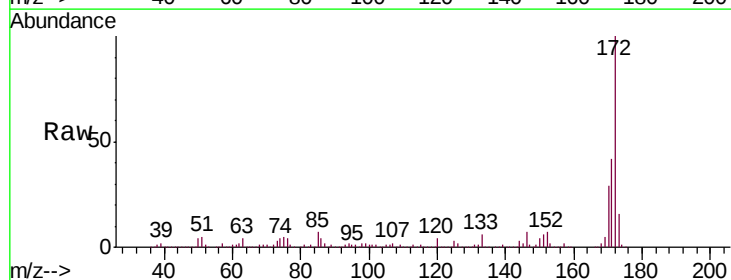


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1

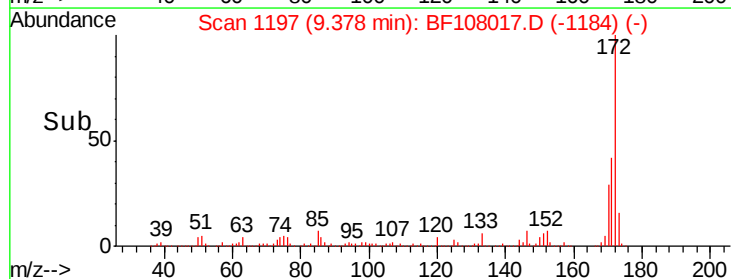
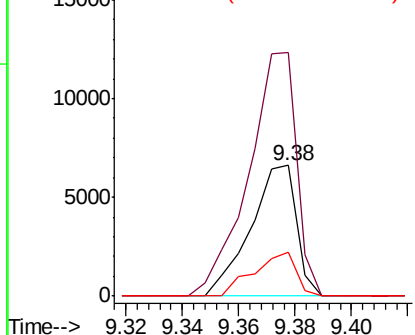


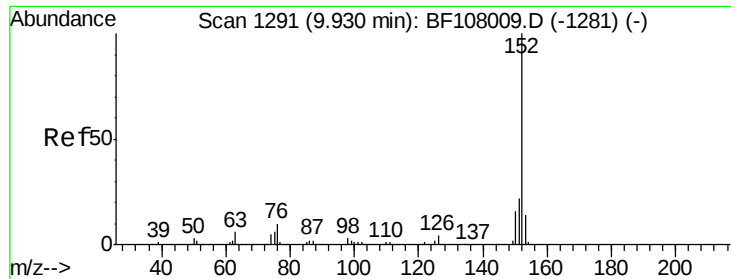
#47
2-Nitroaniline
Concen: 0.655 ng
RT: 9.38 min Scan# 1197
Delta R.T. -0.22 min
Lab File: BF108017.D
Acq: 8 Aug 2018 14:11

Tgt Ion: 65 Resp: 7475
Ion Ratio Lower Upper
65 100
92 186.2 55.8 83.6#
138 33.8 91.2 136.8#



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

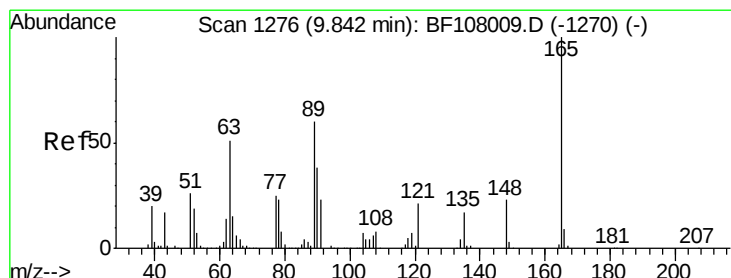
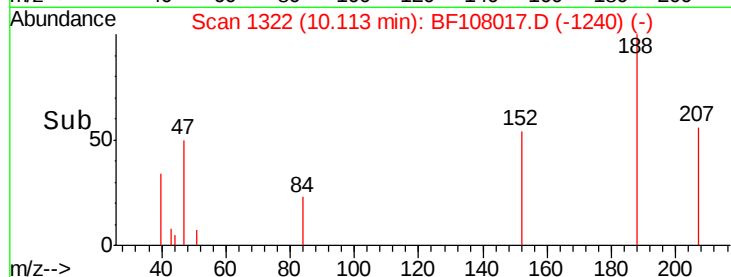
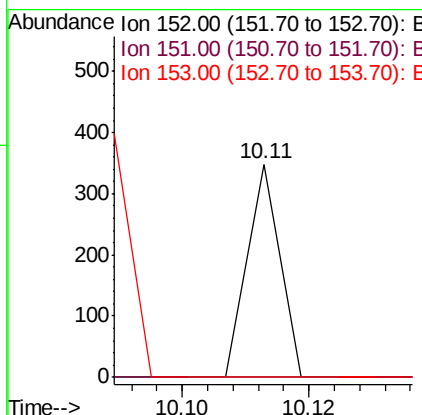
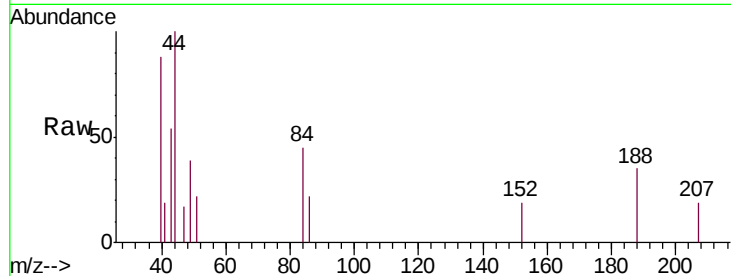




#48
Acenaphthylene
Concen: 0.002 ng
RT: 10.11 min Scan# 1322
Delta R.T. 0.18 min
Lab File: BF108017.D
Acq: 8 Aug 2018 14:11

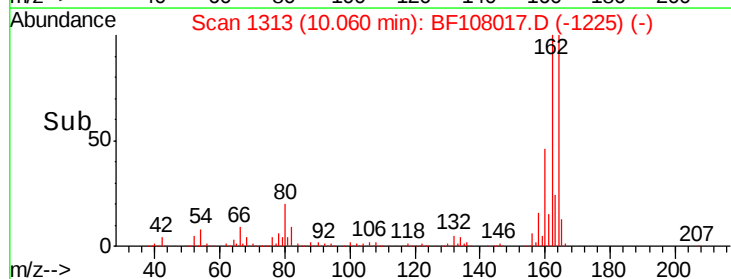
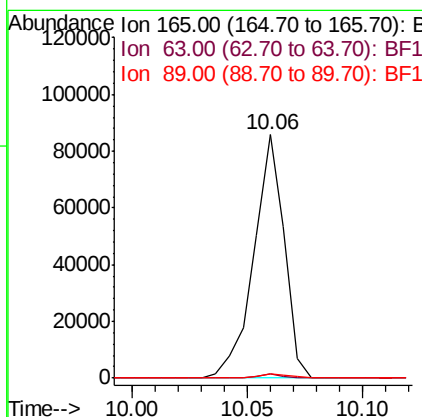
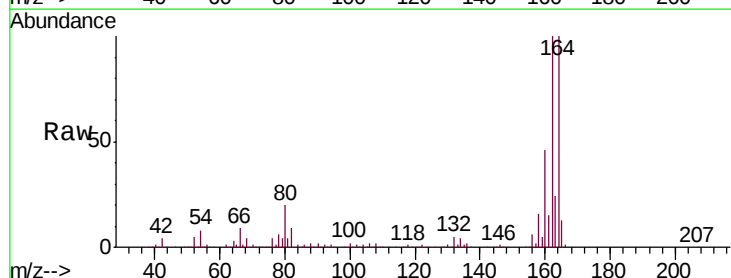
Instrument :
BNA_F
ClientSampleId :
PB111227BL

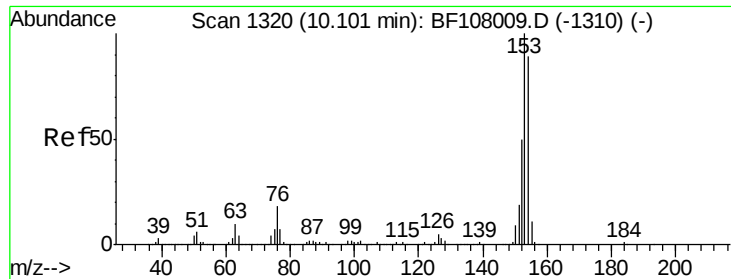
Tgt Ion:152 Resp: 123
Ion Ratio Lower Upper
152 100
151 0.0 16.3 24.5#
153 0.0 10.7 16.1#



#50
2,6-Dinitrotoluene
Concen: 8.961 ng
RT: 10.06 min Scan# 1313
Delta R.T. 0.22 min
Lab File: BF108017.D
Acq: 8 Aug 2018 14:11

Tgt Ion:165 Resp: 79053
Ion Ratio Lower Upper
165 100
63 1.8 44.7 67.1#
89 1.8 44.0 66.0#





#51

Acenaphthene

Concen: 0.069 ng

RT: 10.06 min Scan# 1313

Delta R.T. -0.04 min

Lab File: BF108017.D

Acq: 8 Aug 2018 14:11

Instrument :

BNA_F

ClientSampleId :

PB111227BL

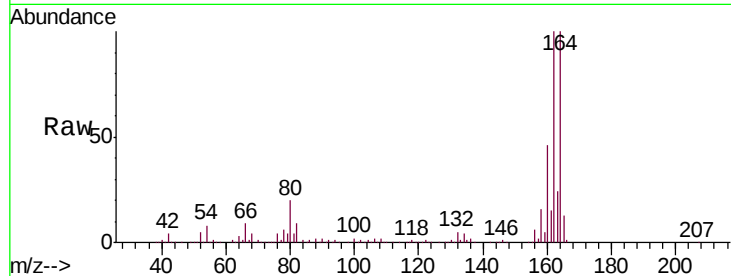
Tgt Ion:154 Resp: 2343

Ion Ratio Lower Upper

154 100

153 0.0 91.2 136.8#

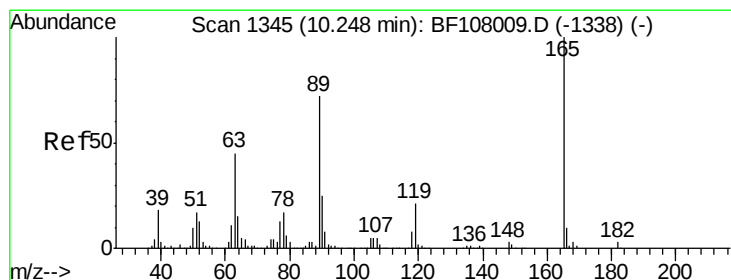
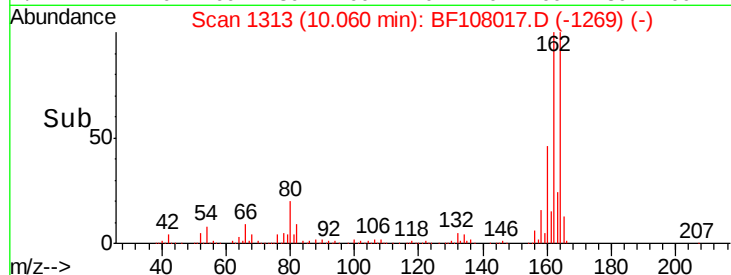
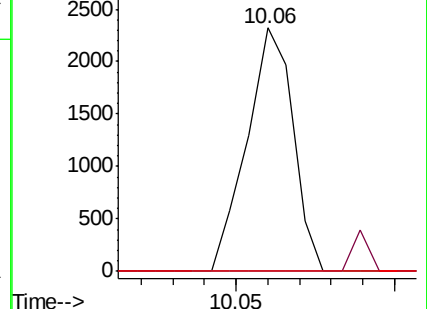
152 0.0 43.8 65.8#



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: 6.961 ng

RT: 10.06 min Scan# 1313

Delta R.T. -0.19 min

Lab File: BF108017.D

Acq: 8 Aug 2018 14:11

Tgt Ion:165 Resp: 79053

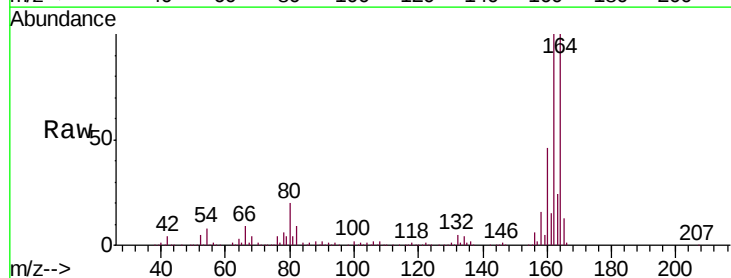
Ion Ratio Lower Upper

165 100

63 1.8 36.4 54.6#

89 1.8 57.8 86.6#

182 0.0 1.6 2.4#

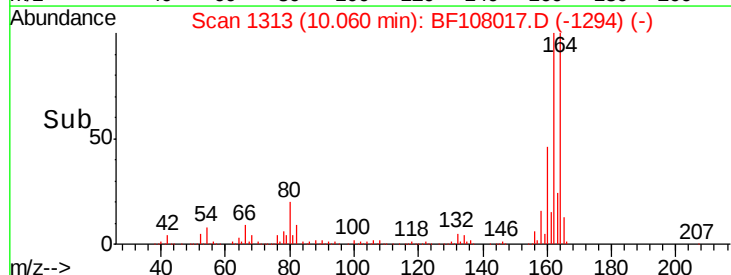
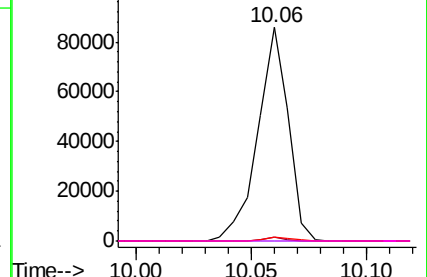


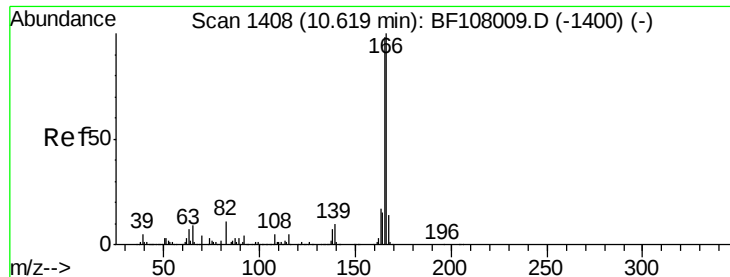
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

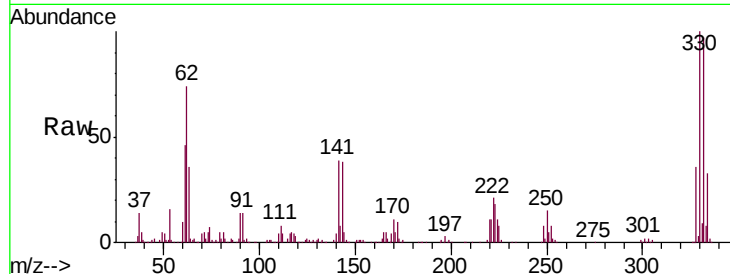




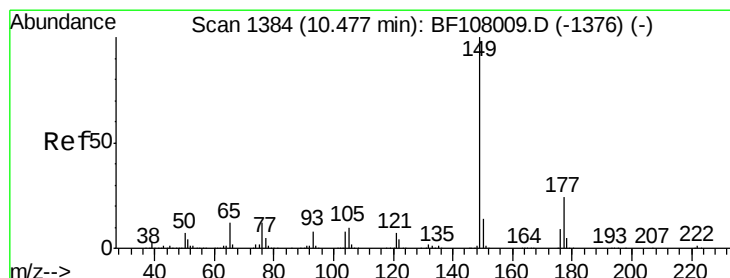
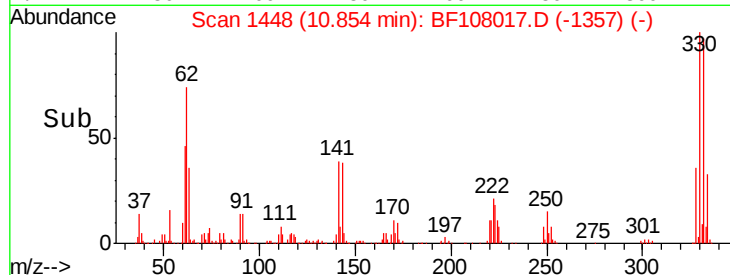
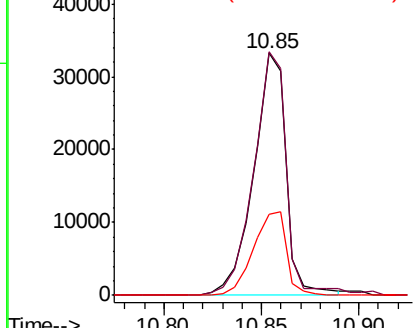
#57
Fluorene
Concen: 0.975 ng
RT: 10.85 min Scan# 1448
Delta R.T. 0.24 min
Lab File: BF108017.D
Acq: 8 Aug 2018 14:11

Instrument :
BNA_F
ClientSampleId :
PB111227BL

Tgt Ion:166 Resp: 38188
Ion Ratio Lower Upper
166 100
165 100.6 79.8 119.8
167 33.5 10.6 16.0#

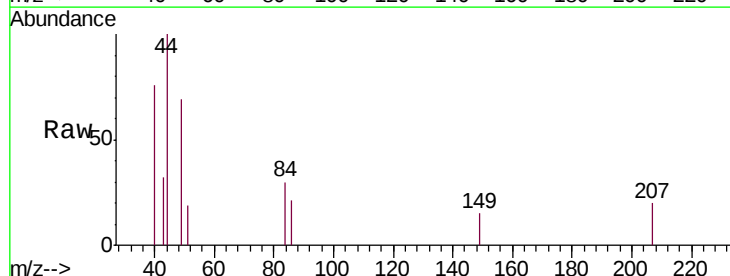


Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

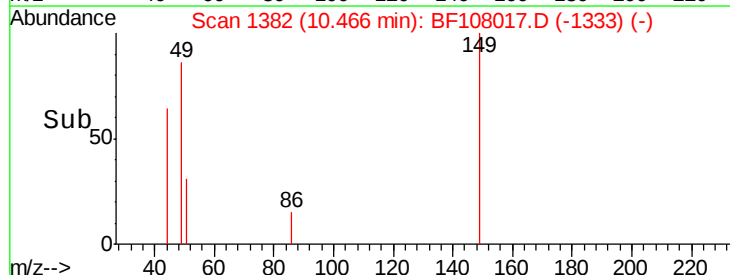
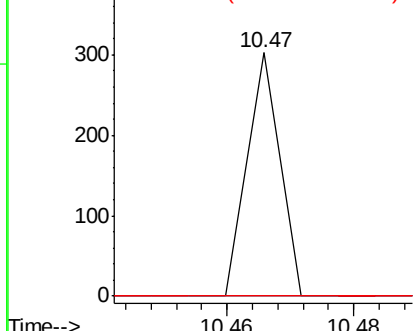


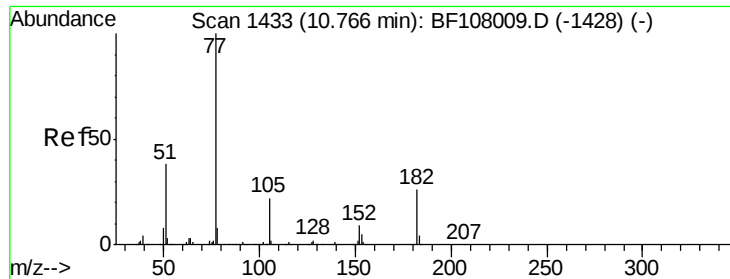
#59
Diethylphthalate
Concen: 0.003 ng
RT: 10.47 min Scan# 1382
Delta R.T. -0.01 min
Lab File: BF108017.D
Acq: 8 Aug 2018 14:11

Tgt Ion:149 Resp: 107
Ion Ratio Lower Upper
149 100
177 0.0 16.1 24.1#
150 0.0 10.1 15.1#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E





#62

Azobenzene

Concen: 0.141 ng

RT: 10.85 min Scan# 1448

Delta R.T. 0.09 min

Lab File: BF108017.D

Acq: 8 Aug 2018 14:11

Instrument :

BNA_F

ClientSampleId :

PB111227BL

Tgt Ion: 77 Resp: 5943

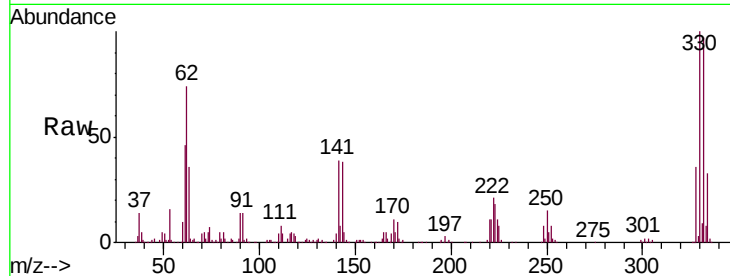
Ion Ratio Lower Upper

77 100

182 0.0 1.7 41.7#

105 104.2 3.0 43.0#

51 105.4 9.9 49.9#

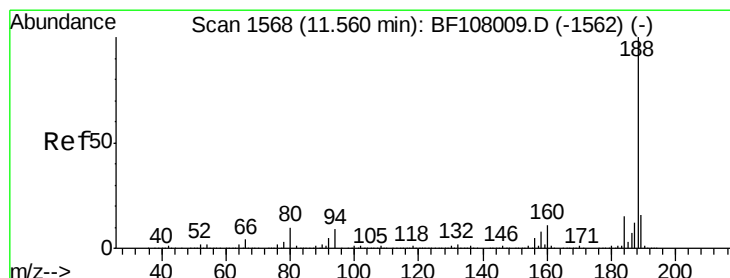
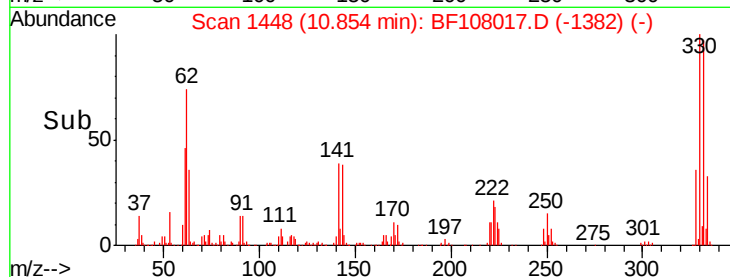
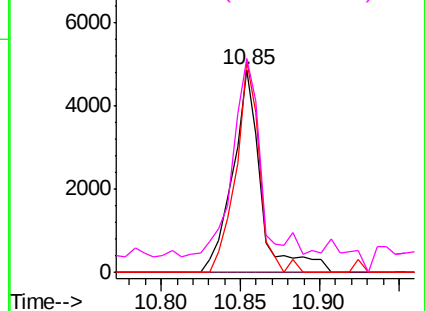


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.56 min Scan# 1568

Delta R.T. 0.00 min

Lab File: BF108017.D

Acq: 8 Aug 2018 14:11

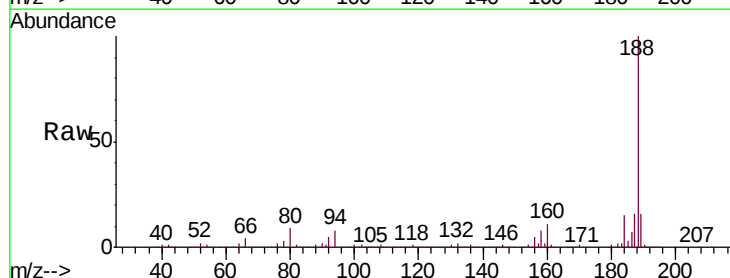
Tgt Ion: 188 Resp: 1277986

Ion Ratio Lower Upper

188 100

94 8.3 8.5 12.7#

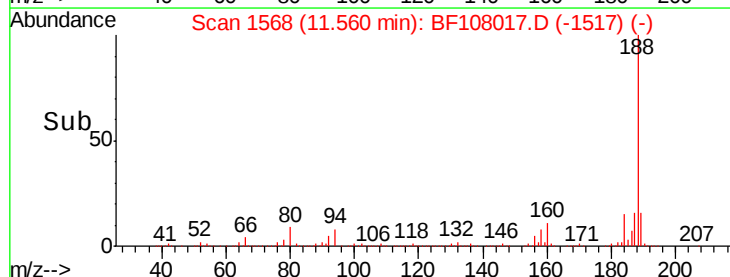
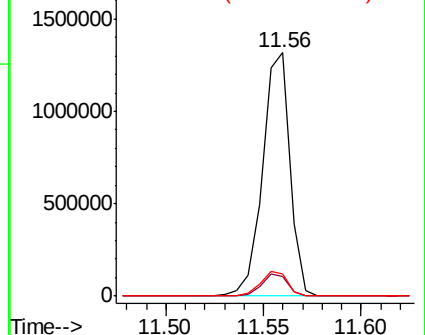
80 9.1 9.2 13.8#

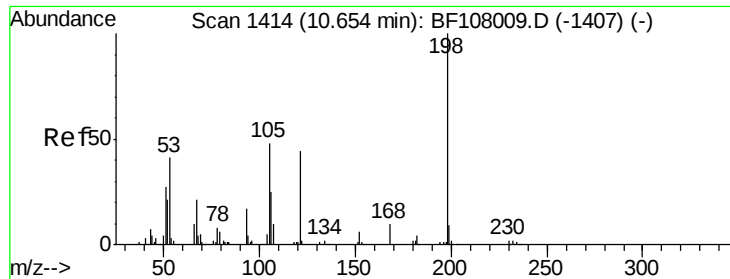


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

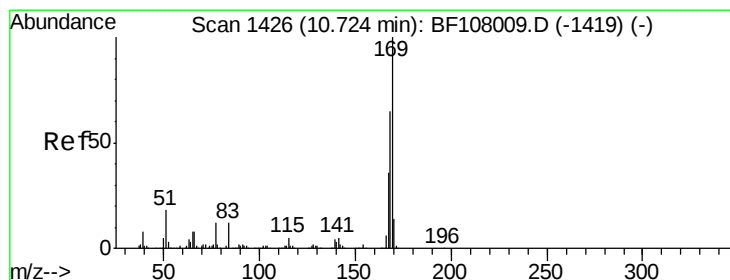
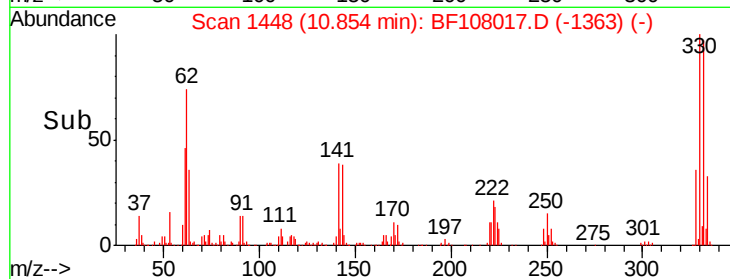
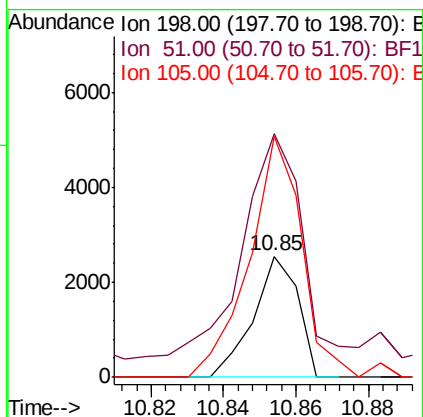
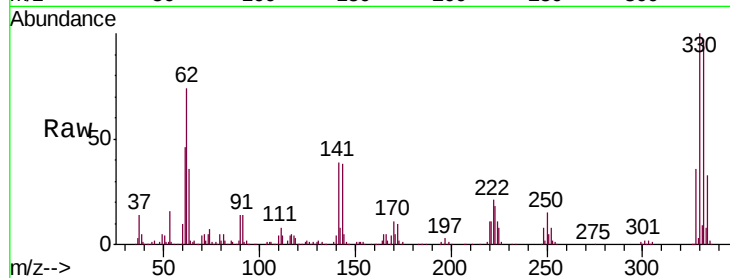




#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.758 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. 0.20 min
 Lab File: BF108017.D
 Acq: 8 Aug 2018 14:11

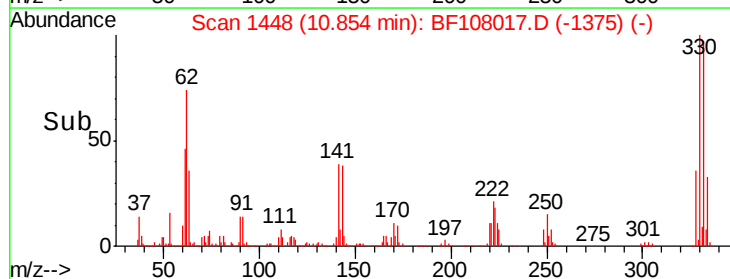
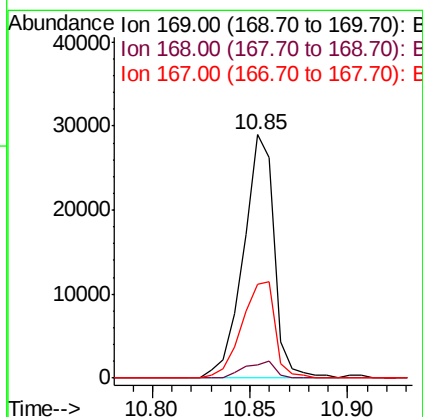
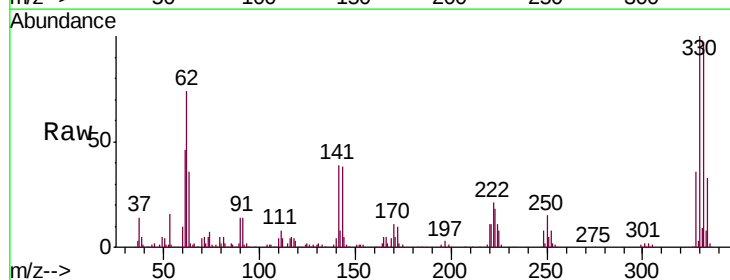
Instrument :
 BNA_F
 ClientSampleId :
 PB111227BL

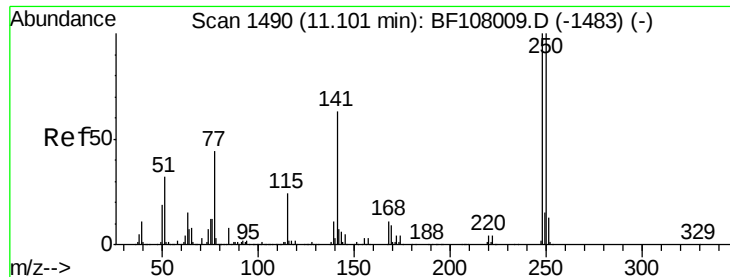
Tgt Ion:198 Resp: 2156
 Ion Ratio Lower Upper
 198 100
 51 201.6 37.7 77.7#
 105 199.4 36.3 76.3#



#65
 n-Nitrosodiphenylamine
 Concen: 0.843 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. 0.13 min
 Lab File: BF108017.D
 Acq: 8 Aug 2018 14:11

Tgt Ion:169 Resp: 31823
 Ion Ratio Lower Upper
 169 100
 168 5.6 54.4 81.6#
 167 38.4 29.8 44.6

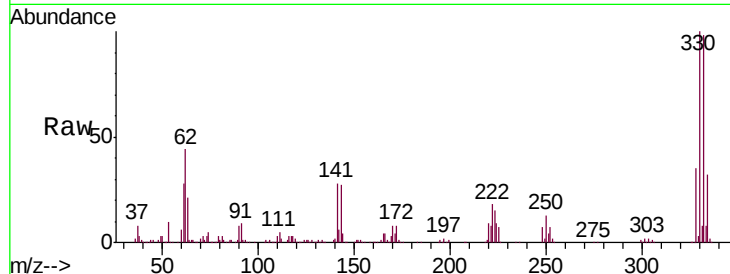




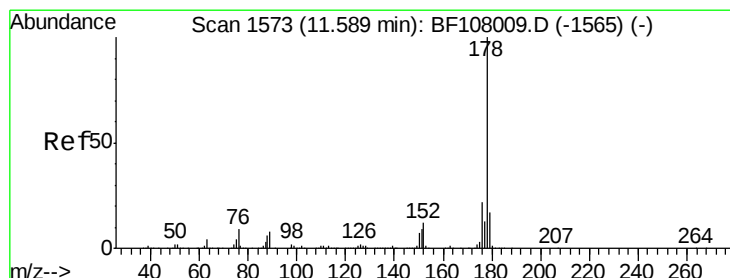
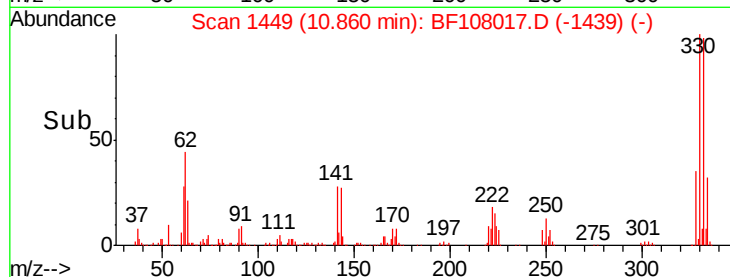
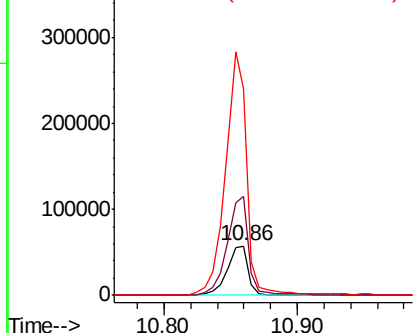
#66
 4-Bromophenyl-phenylether
 Concen: 4.641 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. -0.24 min
 Lab File: BF108017.D
 Acq: 8 Aug 2018 14:11

Instrument :
 BNA_F
 ClientSampleId :
 PB111227BL

Tgt Ion: 248 Resp: 64451
 Ion Ratio Lower Upper
 248 100
 250 199.6 76.9 115.3#
 141 417.5 74.4 111.6#

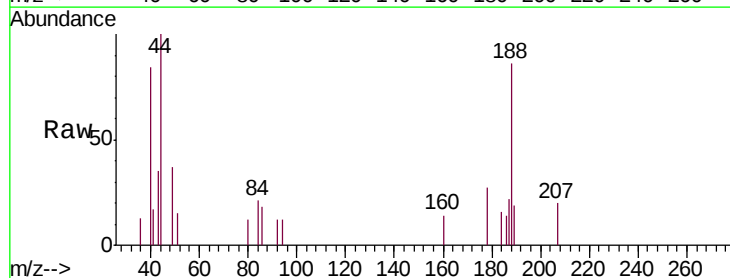


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

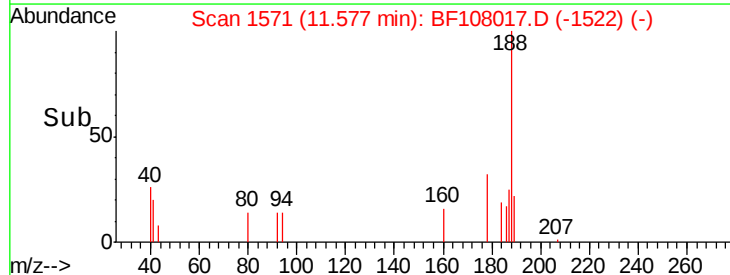
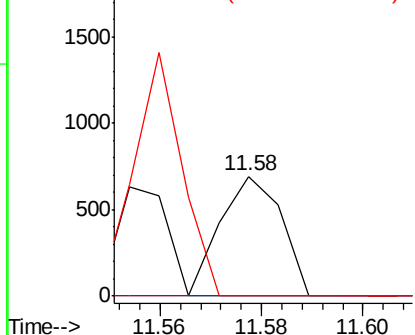


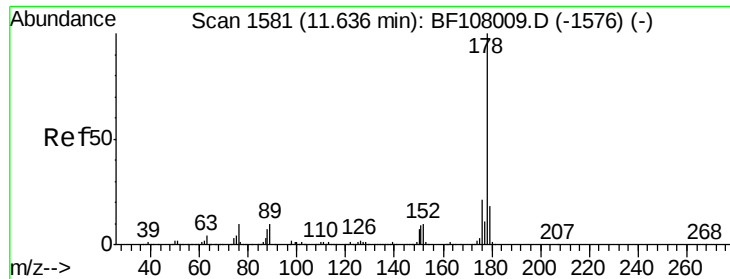
#70
 Phenanthrene
 Concen: 0.010 ng
 RT: 11.58 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF108017.D
 Acq: 8 Aug 2018 14:11

Tgt Ion: 178 Resp: 583
 Ion Ratio Lower Upper
 178 100
 176 0.0 15.8 23.8#
 179 0.0 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

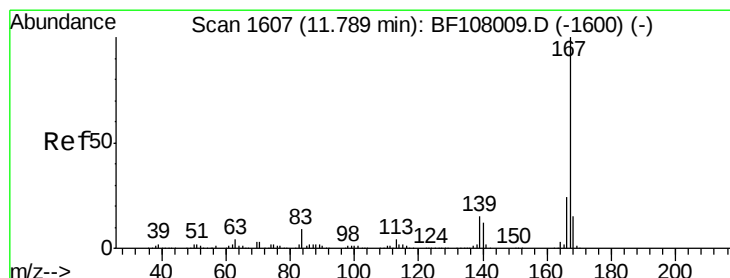
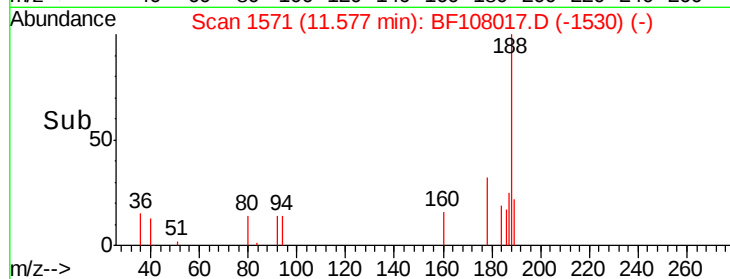
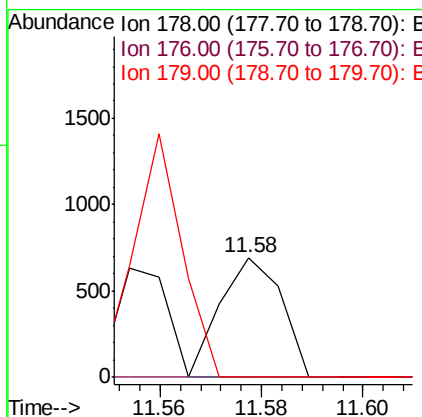
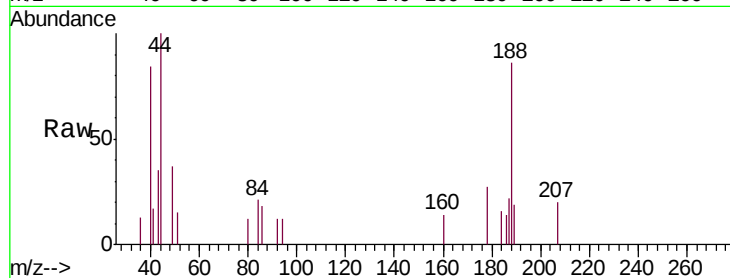




#71
 Anthracene
 Concen: 0.009 ng
 RT: 11.58 min Scan# 1571
 Delta R.T. -0.06 min
 Lab File: BF108017.D
 Acq: 8 Aug 2018 14:11

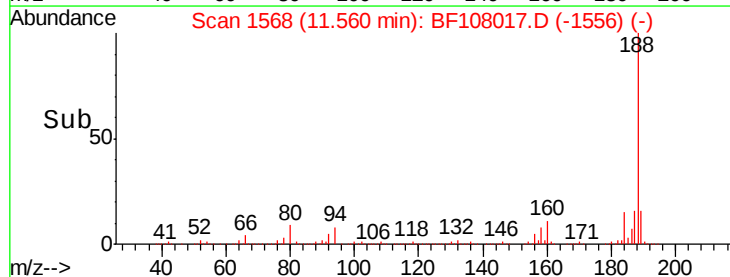
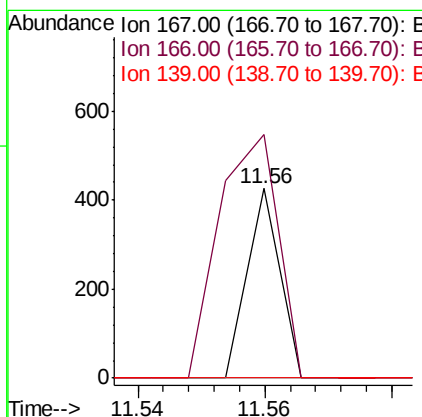
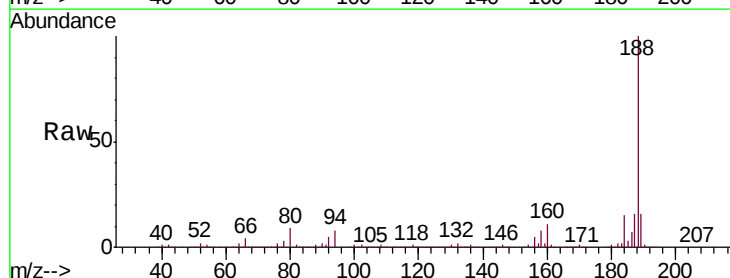
Instrument :
 BNA_F
 ClientSampleId :
 PB111227BL

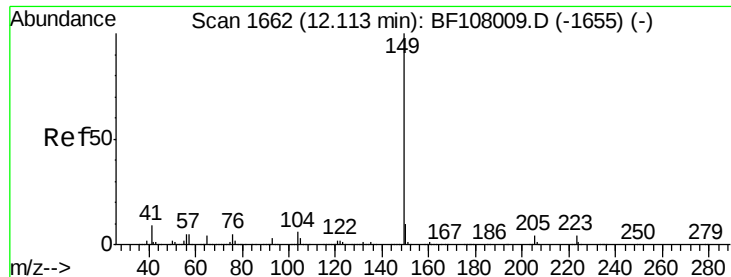
Tgt Ion:178 Resp: 583
 Ion Ratio Lower Upper
 178 100
 176 0.0 15.4 23.2#
 179 0.0 12.6 19.0#



#72
 Carbazole
 Concen: 0.003 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. -0.23 min
 Lab File: BF108017.D
 Acq: 8 Aug 2018 14:11

Tgt Ion:167 Resp: 150
 Ion Ratio Lower Upper
 167 100
 166 128.4 17.6 26.4#
 139 0.0 10.9 16.3#

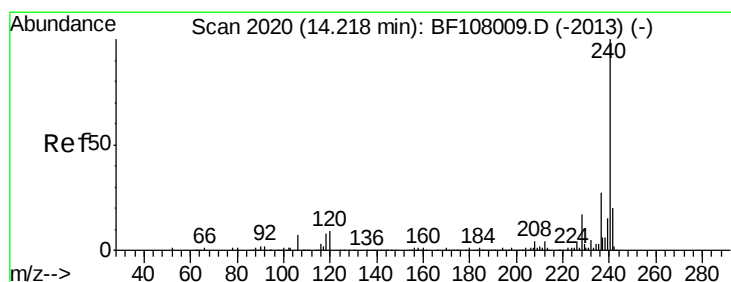
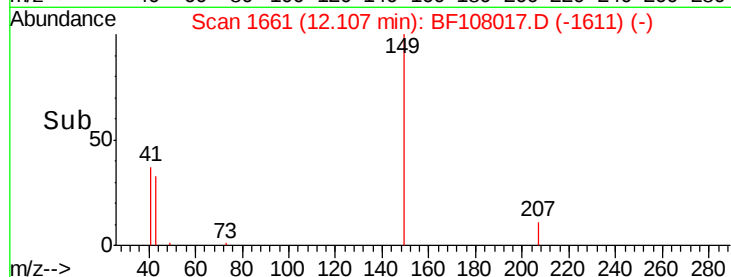
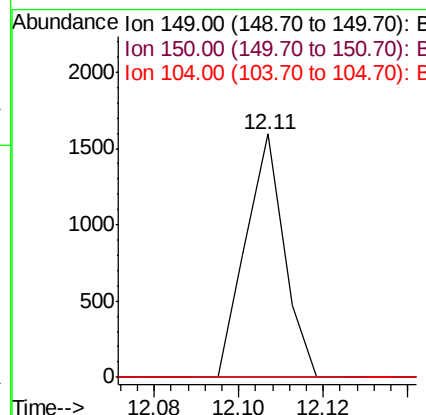
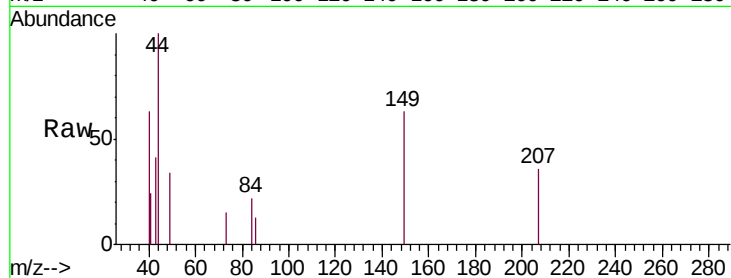




#73
Di-n-butylphthalate
Concen: 0.016 ng
RT: 12.11 min Scan# 1661
Delta R.T. -0.01 min
Lab File: BF108017.D
Acq: 8 Aug 2018 14:11

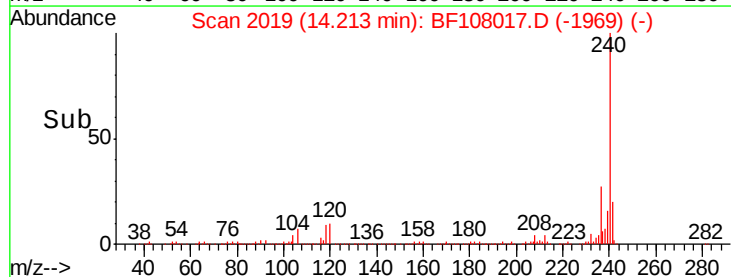
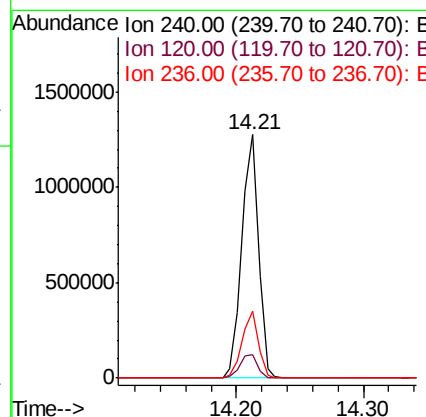
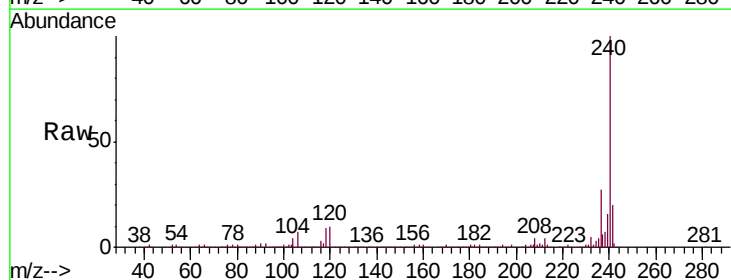
Instrument :
BNA_F
ClientSampleId :
PB111227BL

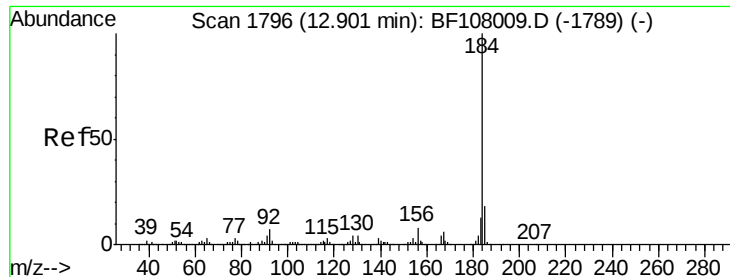
Tgt Ion:149 Resp: 1012
Ion Ratio Lower Upper
149 100
150 0.0 7.8 11.6#
104 0.0 3.8 5.8#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.21 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF108017.D
Acq: 8 Aug 2018 14:11

Tgt Ion:240 Resp: 1149498
Ion Ratio Lower Upper
240 100
120 9.9 9.5 14.3
236 27.5 20.7 31.1

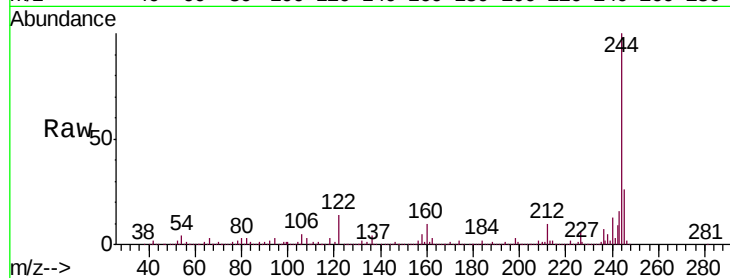




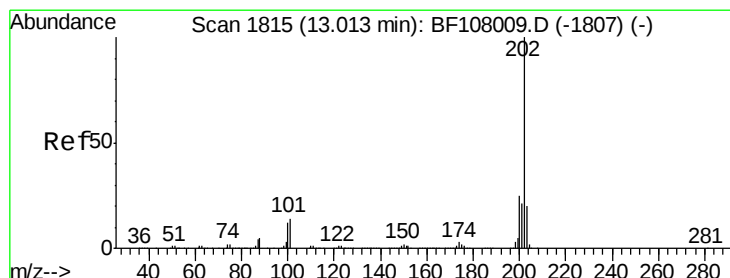
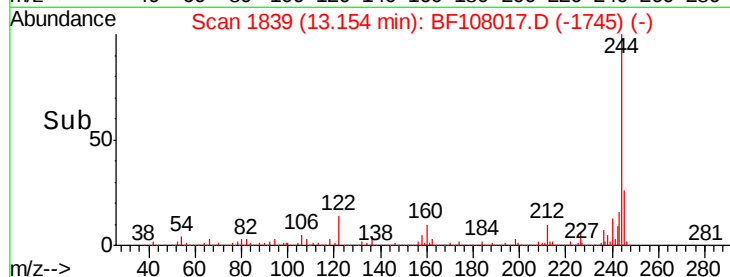
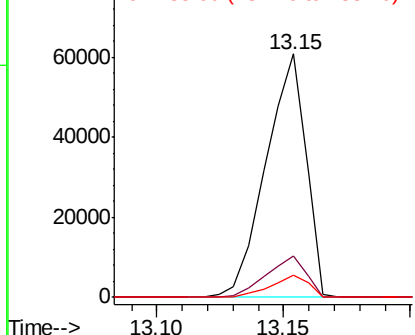
#76
Benzidine
Concen: 1.546 ng
RT: 13.15 min Scan# 1839
Delta R.T. 0.25 min
Lab File: BF108017.D
Acq: 8 Aug 2018 14:11

Instrument :
BNA_F
ClientSampleId :
PB111227BL

Tgt Ion:184 Resp: 66390
Ion Ratio Lower Upper
184 100
185 17.2 12.6 18.8
183 9.1 9.3 13.9#

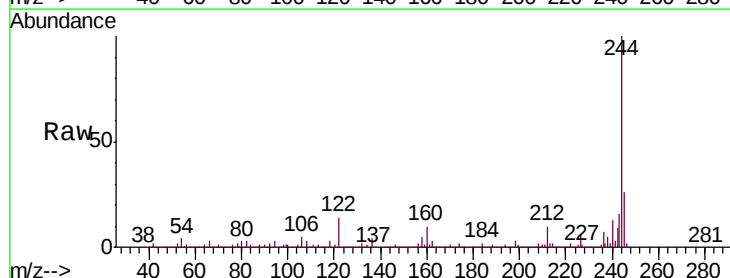


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

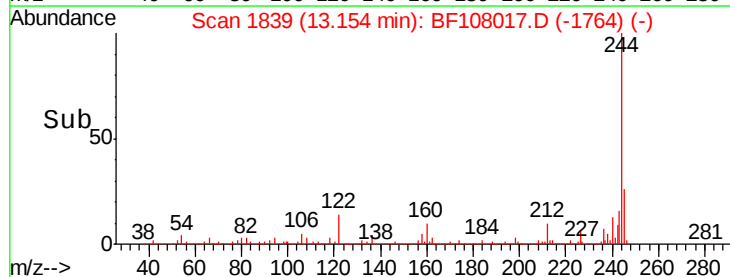
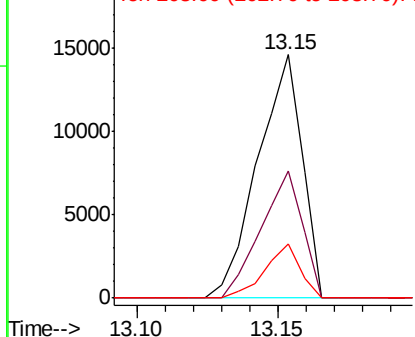


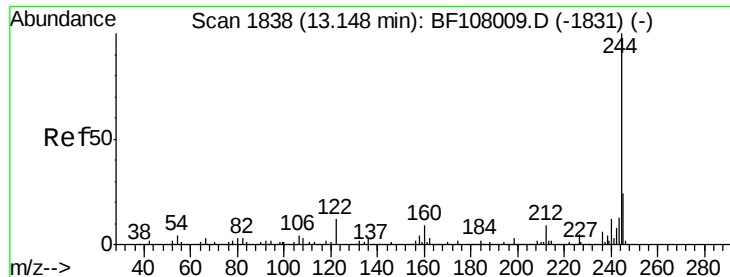
#77
Pyrene
Concen: 0.219 ng
RT: 13.15 min Scan# 1839
Delta R.T. 0.14 min
Lab File: BF108017.D
Acq: 8 Aug 2018 14:11

Tgt Ion:202 Resp: 15926
Ion Ratio Lower Upper
202 100
200 52.2 17.4 26.2#
203 22.3 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: 92.040 ng

RT: 13.15 min Scan# 1839

Delta R.T. 0.01 min

Lab File: BF108017.D

Acq: 8 Aug 2018 14:11

Instrument :

BNA_F

ClientSampleId :

PB111227BL

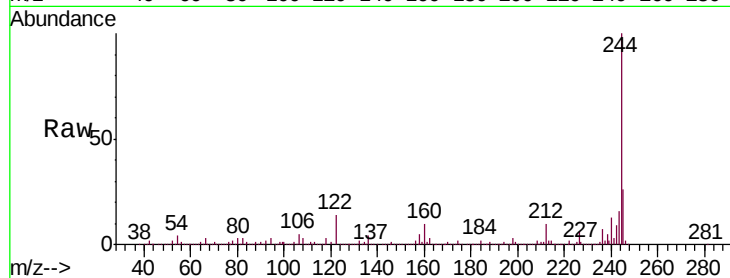
Tgt Ion:244 Resp: 4161150

Ion Ratio Lower Upper

244 100

212 9.8 5.4 8.0#

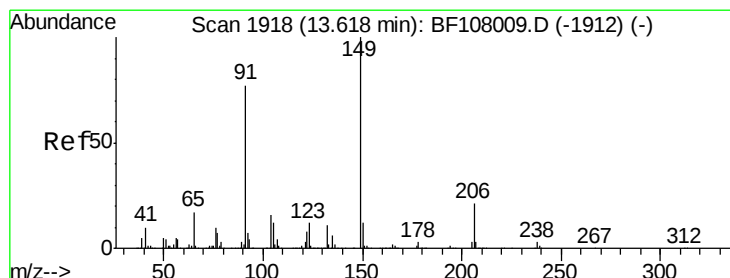
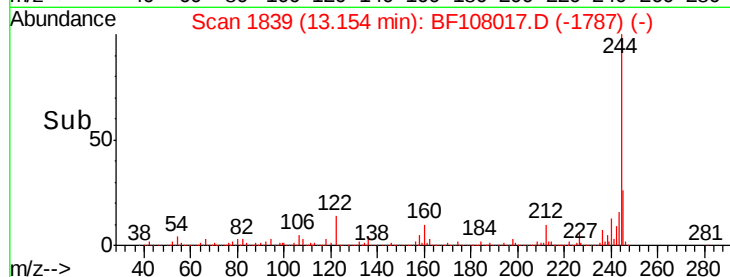
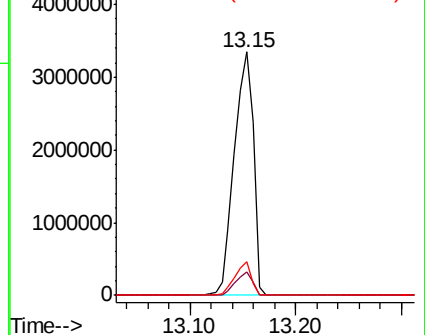
122 14.0 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 0.004 ng

RT: 13.84 min Scan# 1955

Delta R.T. 0.22 min

Lab File: BF108017.D

Acq: 8 Aug 2018 14:11

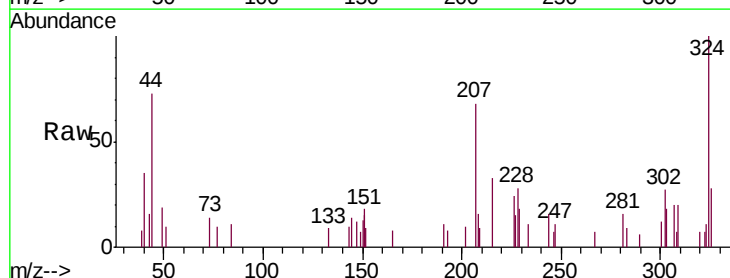
Tgt Ion:149 Resp: 111

Ion Ratio Lower Upper

149 100

91 0.0 56.8 85.2#

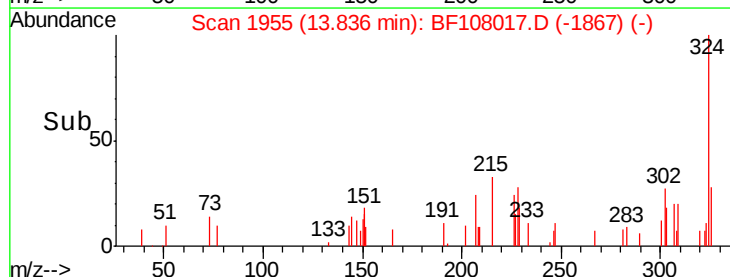
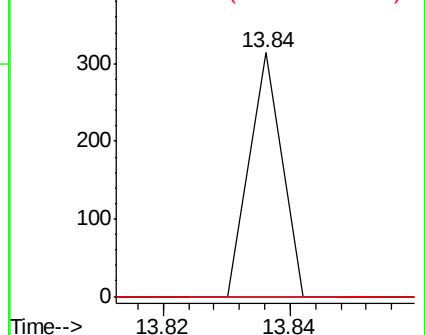
206 0.0 14.1 21.1#

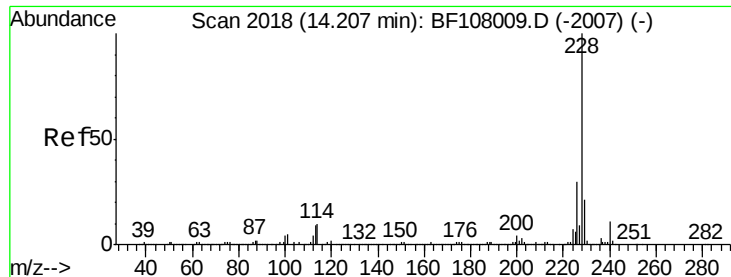


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 0.041 ng

RT: 14.21 min Scan# 2019

Delta R.T. 0.01 min

Lab File: BF108017.D

Acq: 8 Aug 2018 14:11

Instrument :

BNA_F

ClientSampleId :

PB111227BL

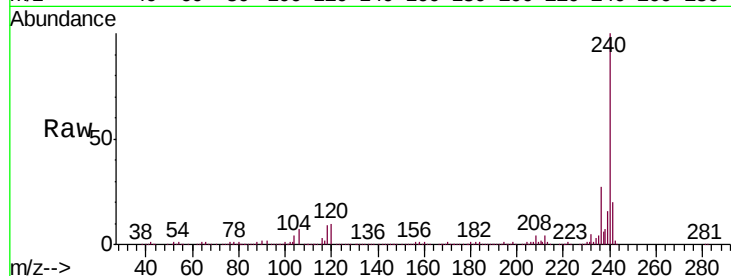
Tgt Ion:228 Resp: 2733

Ion Ratio Lower Upper

228 100

226 0.0 22.6 33.8#

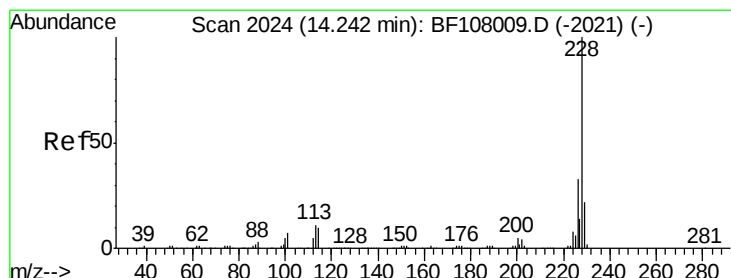
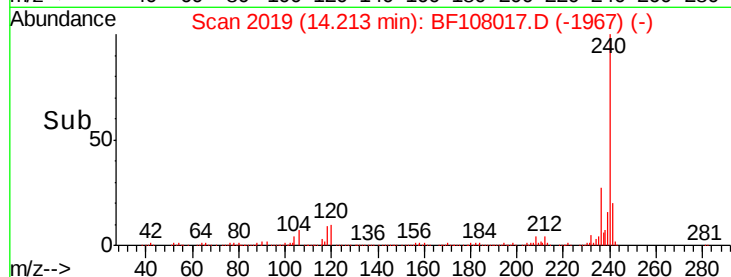
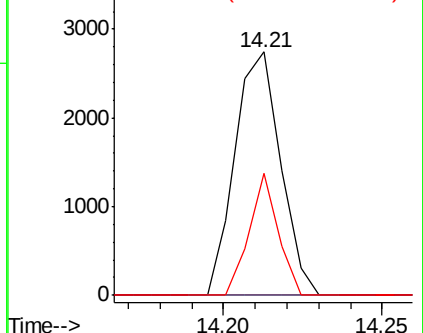
229 49.9 15.8 23.6#



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: 0.045 ng

RT: 14.21 min Scan# 2019

Delta R.T. -0.03 min

Lab File: BF108017.D

Acq: 8 Aug 2018 14:11

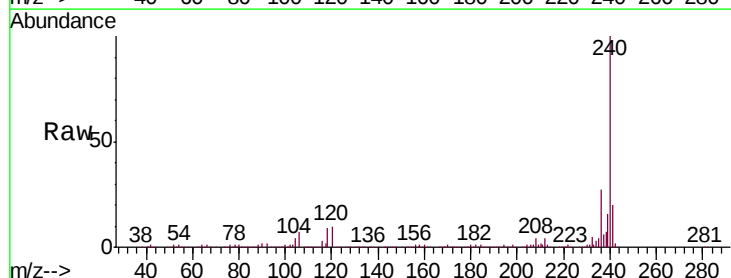
Tgt Ion:228 Resp: 2733

Ion Ratio Lower Upper

228 100

226 0.0 25.0 37.6#

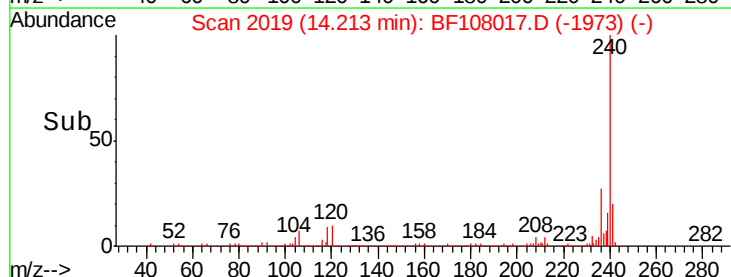
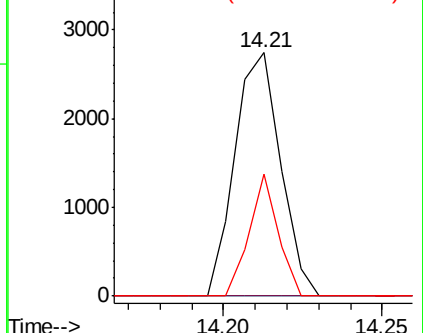
229 49.9 16.2 24.4#

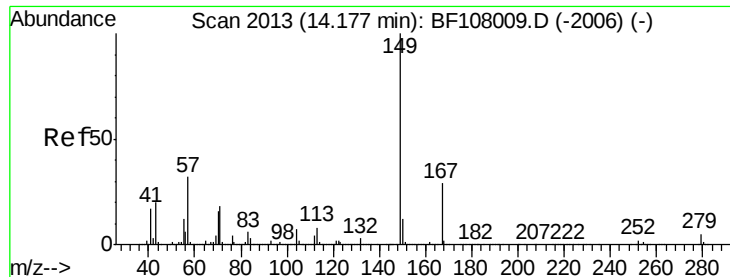


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 0.011 ng

RT: 14.07 min Scan# 1994

Delta R.T. -0.11 min

Lab File: BF108017.D

Acq: 8 Aug 2018 14:11

Instrument :

BNA_F

ClientSampleId :

PB111227BL

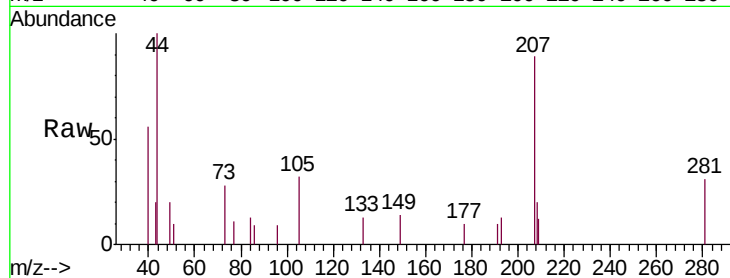
Tgt Ion:149 Resp: 444

Ion Ratio Lower Upper

149 100

167 0.0 21.3 31.9#

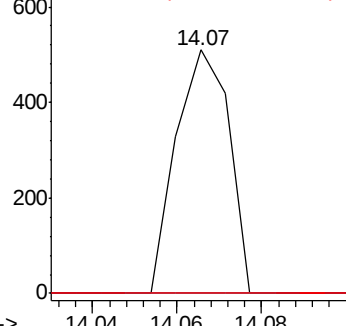
279 0.0 3.0 4.4#



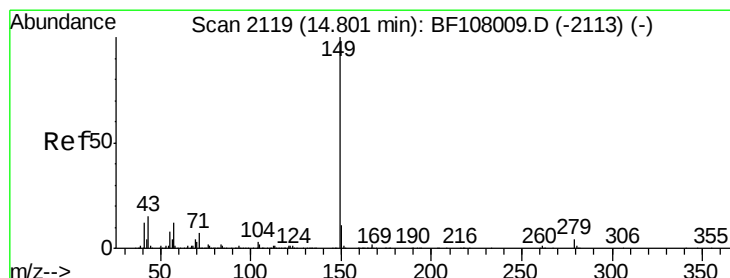
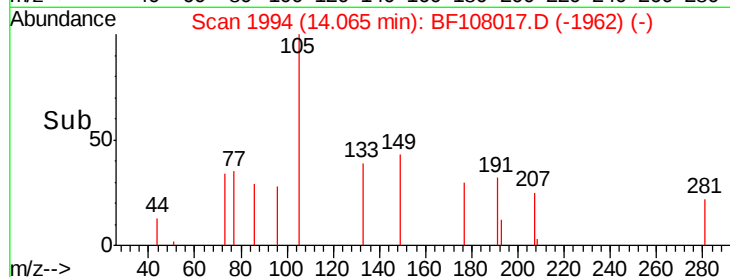
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#84

Di-n-octyl phthalate

Concen: 0.002 ng

RT: 14.84 min Scan# 2125

Delta R.T. 0.04 min

Lab File: BF108017.D

Acq: 8 Aug 2018 14:11

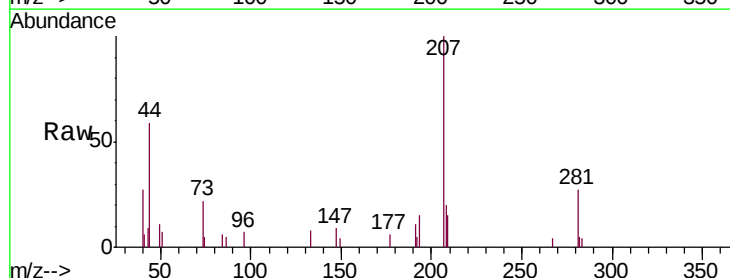
Tgt Ion:149 Resp: 110

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

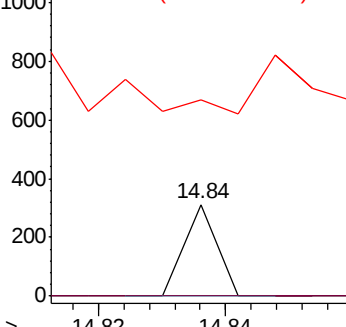
43 125.5 8.4 12.6#



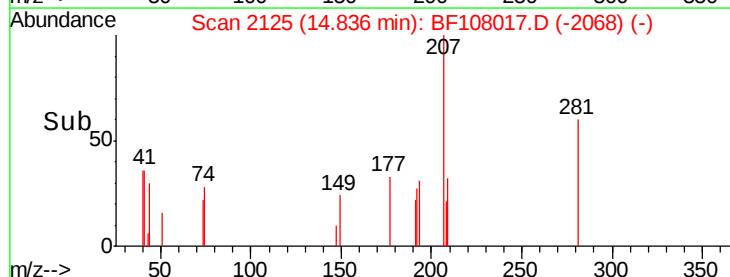
Abundance Ion 149.00 (148.70 to 149.70): E

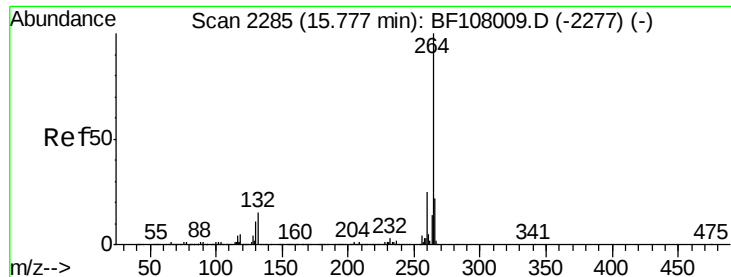
Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



Time-->



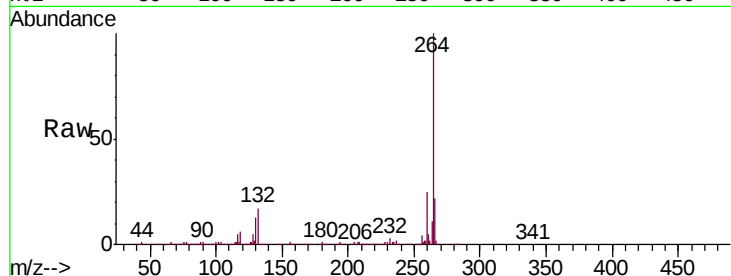


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.77 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BF108017.D
Acq: 8 Aug 2018 14:11

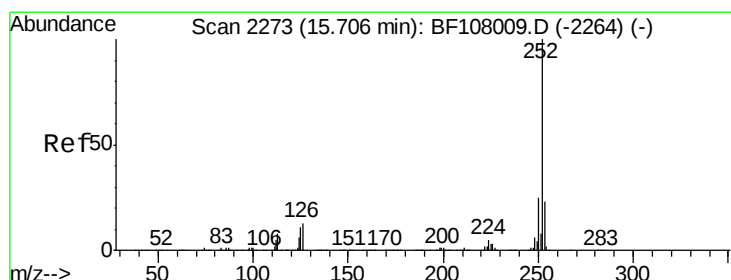
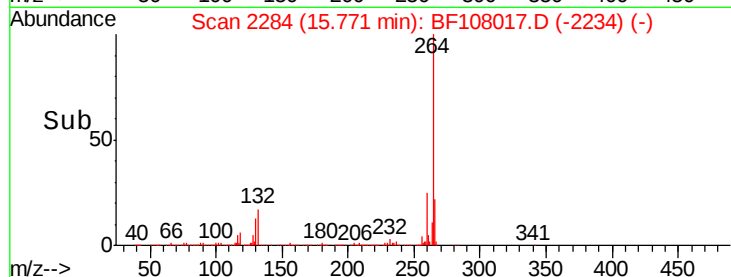
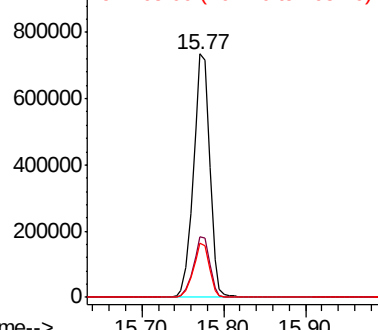
Instrument :
BNA_F
ClientSampleId :
PB111227BL

Tgt Ion:264 Resp: 1022318

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	22.0	17.5	26.3



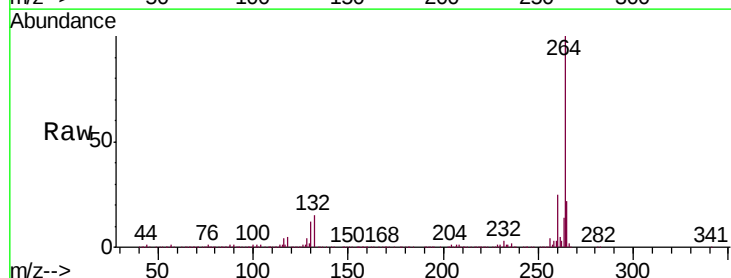
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#89
Benzo(a)pyrene
Concen: 0.062 ng
RT: 15.78 min Scan# 2285
Delta R.T. 0.07 min
Lab File: BF108017.D
Acq: 8 Aug 2018 14:11

Tgt Ion:252 Resp: 3373

Ion	Ratio	Lower	Upper
252	100		
253	32.1	17.1	25.7#
125	16.1	9.8	14.6#



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

