

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080818\
 Data File : BF108016.D
 Acq On : 8 Aug 2018 13:40
 Operator : JU/SJ
 Sample : PB111180BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB111180BL

Quant Time: Aug 08 14:55:16 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	302655	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	1143769	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	626108	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	1297954	20.00	ng	0.00
75) Chrysene-d12	14.21	240	1149661	20.00	ng	0.00
86) Perylene-d12	15.77	264	991020	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.65	112	2209071	132.14	ng	0.02
7) Phenol-d6	6.63	99	2920849	131.48	ng	0.00
23) Nitrobenzene-d5	7.58	82	1994730	97.32	ng	0.00
41) 2,4,6-Tribromophenol	10.86	330	938335	150.25	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	3557424	91.22	ng	0.00
78) Terphenyl-d14	13.15	244	4172622	92.28	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.97	88	486	0.057	ng	# 1
4) n-Nitrosodimethylamine	3.63	42	347	0.028	ng	# 1
6) Aniline	6.79	93	3584	0.119	ng	# 1
8) 2-Chlorophenol	6.80	128	929	0.049	ng	# 1
9) Benzaldehyde	6.63	77	5751	0.334	ng	# 1
10) Phenol	6.64	94	279	0.012	ng	# 1
11) bis(2-Chloroethyl)ether	6.79	93	3584	0.193	ng	# 1
12) 1,3-Dichlorobenzene	7.17	146	291	0.013	ng	# 1
13) 1,4-Dichlorobenzene	7.17	146	291	0.013	ng	# 1
14) 1,2-Dichlorobenzene	7.17	146	291	0.014	ng	# 1
15) Benzyl Alcohol	7.17	79	34528	1.846	ng	# 41
17) 2-Methylphenol	7.17	107	365	0.023	ng	# 1
19) n-Nitroso-di-n-propylamine	7.58	70	281273	18.724	ng	# 86
20) 3+4-Methylphenols	7.17	107	365	0.018	ng	# 1
22) Acetophenone	7.37	105	132	0.005	ng	# 1
24) Nitrobenzene	7.58	77	7384	0.356	ng	# 33
25) Isophorone	7.58	82	1992140	50.991	ng	# 64
28) bis(2-Chloroethoxy)methane	8.30	93	304	0.013	ng	# 1
45) 1,1'-Biphenyl	9.47	154	7221	0.156	ng	# 84
47) 2-Nitroaniline	9.38	65	7355	0.623	ng	# 1
48) Acenaphthylene	9.91	152	170	0.003	ng	# 60
50) 2,6-Dinitrotoluene	10.06	165	80714	8.846	ng	# 26
51) Acenaphthene	10.06	154	2899	0.082	ng	# 4
56) 2,4-Dinitrotoluene	10.06	165	80714	6.872	ng	# 24
57) Fluorene	10.85	166	38867	0.959	ng	# 92
59) Diethylphthalate	10.47	149	228	0.005	ng	# 61
62) Azobenzene	10.85	77	5739	0.132	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.86	198	2620	5.836	ng	# 1
65) n-Nitrosodiphenylamine	10.85	169	31390	0.818	ng	# 50
66) 4-Bromophenyl-phenylether	10.86	248	63259	4.485	ng	# 1
70) Phenanthrene	11.58	178	636	0.010	ng	# 59
71) Anthracene	11.58	178	636	0.010	ng	# 60
73) Di-n-butylphthalate	12.11	149	1066	0.017	ng	# 78
76) Benzidine	13.15	184	66687	1.553	ng	# 97

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Misc :
ALS Vial : 3 Sample Multiplier: 1

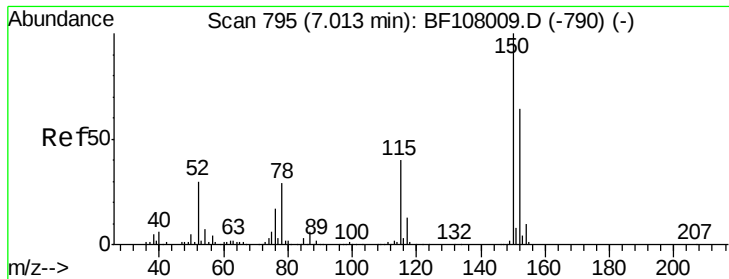
Instrument :
BNA_F
ClientSampleId :
PB111180BL

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
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QLast Update : Wed Aug 08 12:24:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) Pyrene	13.15	202	15469	0.213	ng	# 68
80) Benzo(a)anthracene	14.21	228	3196	0.048	ng	# 65
82) Chrysene	14.21	228	3196	0.053	ng	# 63
83) Bis(2-ethylhexyl)phthalate	14.07	149	470	0.012	ng	# 53
84) Di-n-octyl phthalate	14.92	149	120	0.002	ng	# 1
89) Benzo(a)pyrene	15.77	252	3382	0.064	ng	# 66

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

```
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Acq On    : 8 Aug 2018 13:40  
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Sample    : PB111180BL  
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ALS Vial  : 3      Sample Multiplier: 1
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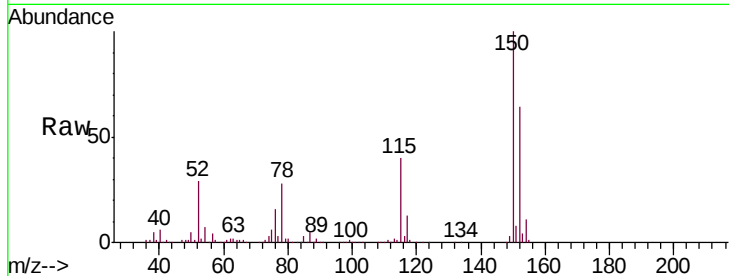


#1

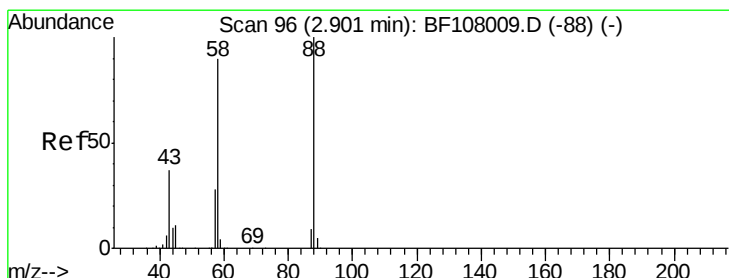
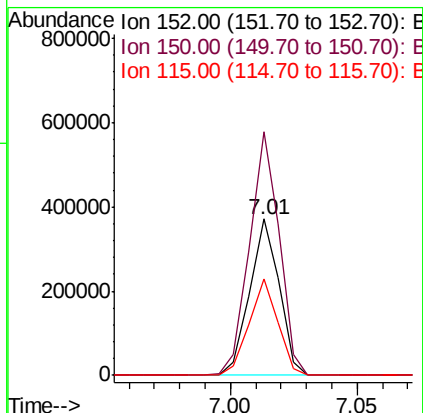
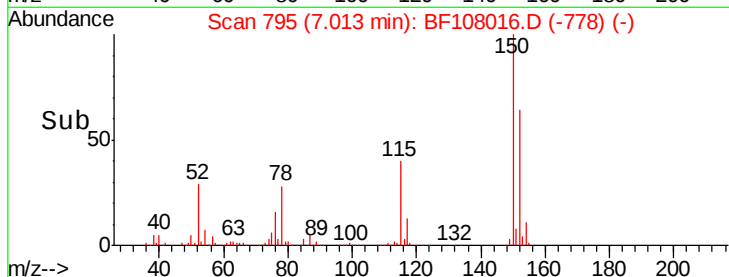
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

Instrument :
BNA_F
ClientSampleId :
PB111180BL

Tgt Ion:152 Resp: 302655
Ion Ratio Lower Upper
152 100
150 155.6 124.6 186.8
115 61.5 50.1 75.1



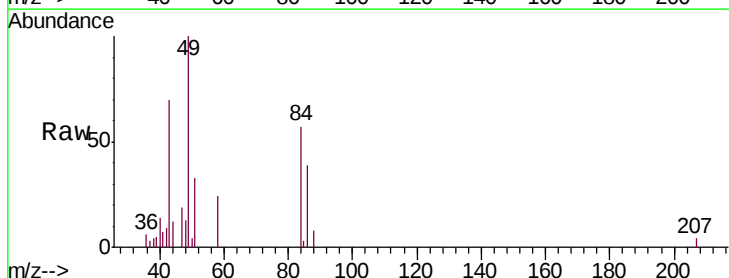
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



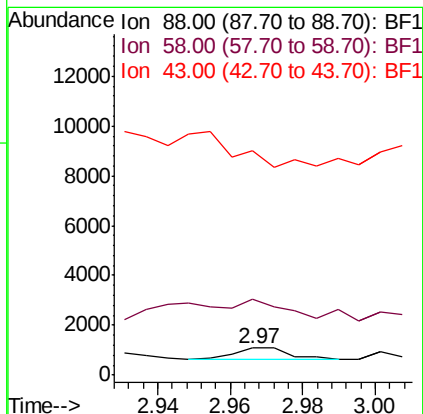
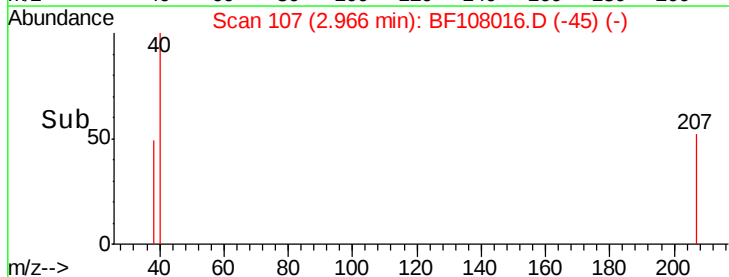
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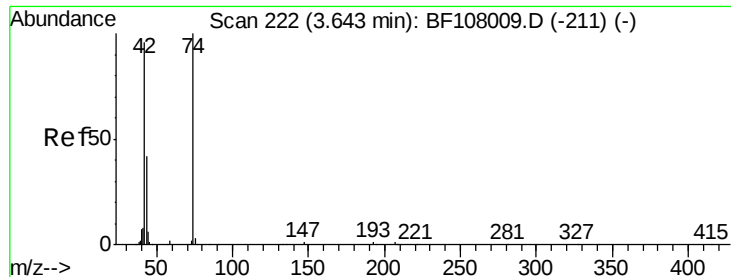
1,4-Dioxane
Concen: 0.057 ng
RT: 2.97 min Scan# 107
Delta R.T. 0.06 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

Tgt Ion: 88 Resp: 486
Ion Ratio Lower Upper
88 100
58 196.1 62.6 93.8#
43 0.0 24.6 37.0#



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





#4

n-Nitrosodimethylamine

Concen: 0.028 ng

RT: 3.63 min Scan# 220

Delta R.T. -0.01 min

Lab File: BF108016.D

Acq: 8 Aug 2018 13:40

Instrument :

BNA_F

ClientSampleId :

PB111180BL

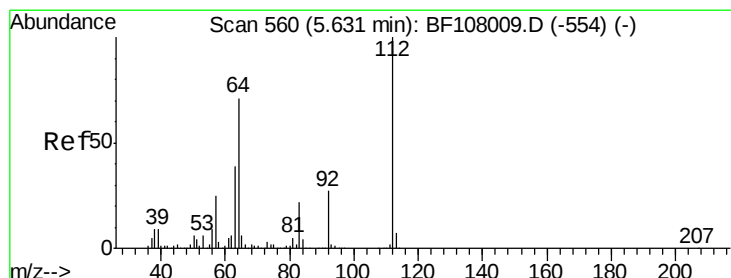
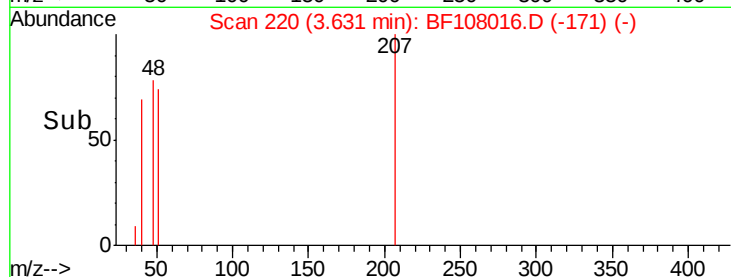
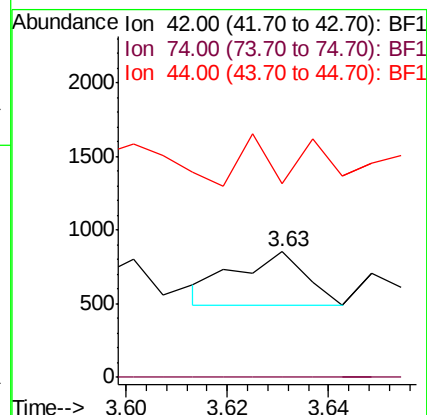
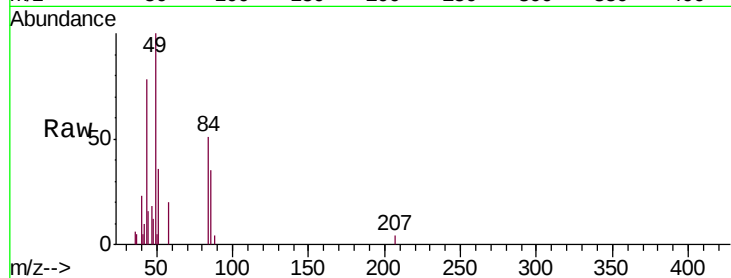
Tgt Ion: 42 Resp: 347

Ion Ratio Lower Upper

42 100

74 0.0 104.9 157.3#

44 154.1 6.9 10.3#



#5

2-Fluorophenol

Concen: 132.145 ng

RT: 5.65 min Scan# 563

Delta R.T. 0.02 min

Lab File: BF108016.D

Acq: 8 Aug 2018 13:40

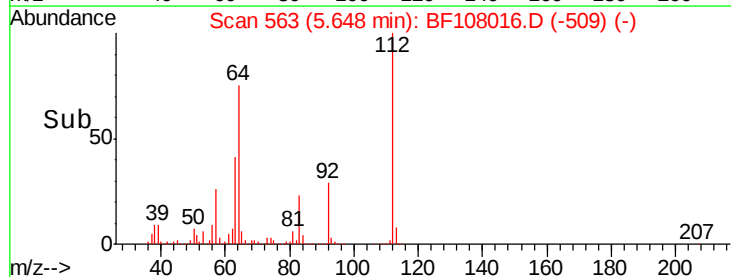
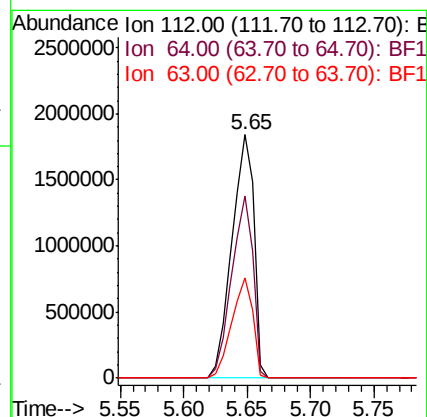
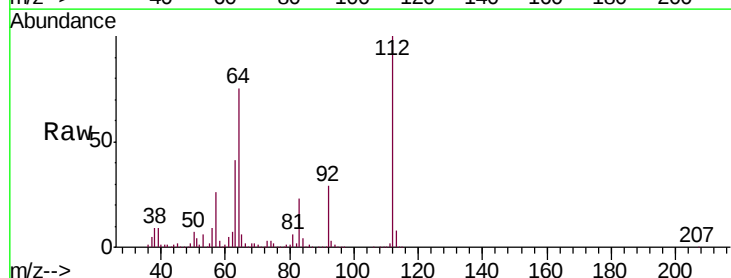
Tgt Ion: 112 Resp: 2209071

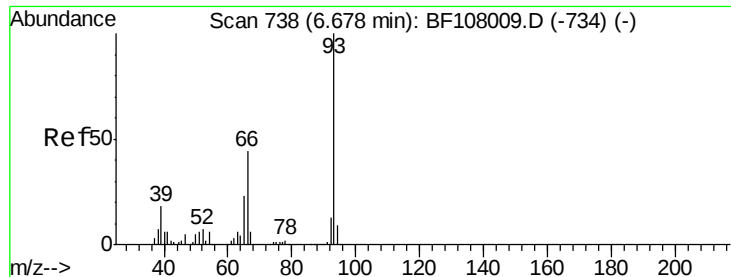
Ion Ratio Lower Upper

112 100

64 74.6 47.9 71.9#

63 41.2 23.7 35.5#





#6

Aniline

Concen: 0.119 ng

RT: 6.79 min Scan# 757

Delta R.T. 0.11 min

Lab File: BF108016.D

Acq: 8 Aug 2018 13:40

Instrument :

BNA_F

ClientSampleId :

PB111180BL

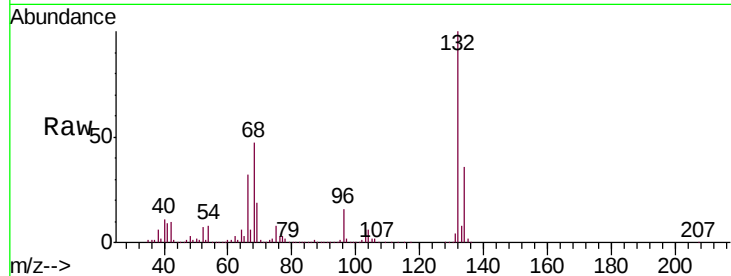
Tgt Ion: 93 Resp: 3584

Ion Ratio Lower Upper

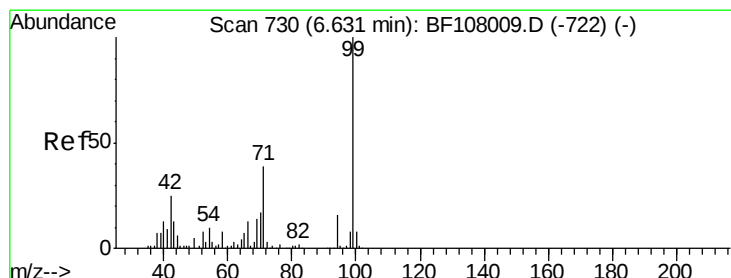
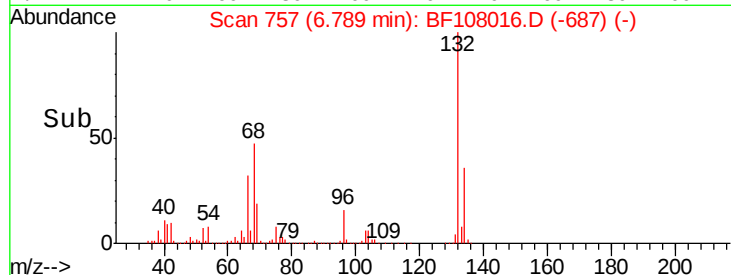
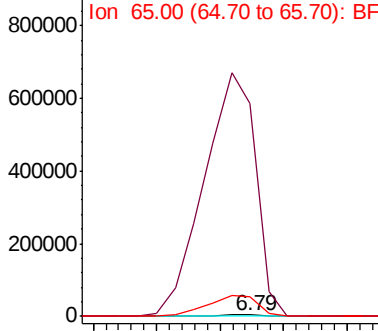
93 100

66 17014.7 32.2 48.2#

65 1597.4 16.4 24.6#



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



#7

Phenol-d6

Concen: 131.483 ng

RT: 6.63 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF108016.D

Acq: 8 Aug 2018 13:40

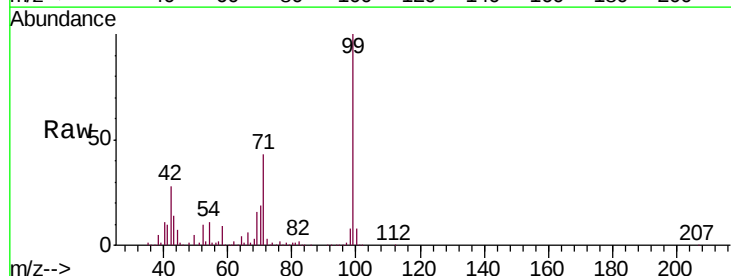
Tgt Ion: 99 Resp: 2920849

Ion Ratio Lower Upper

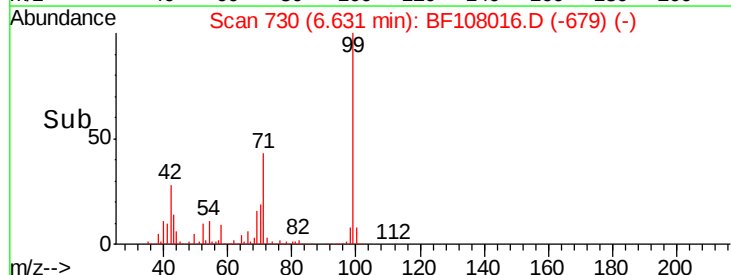
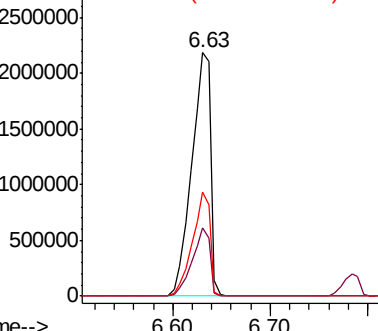
99 100

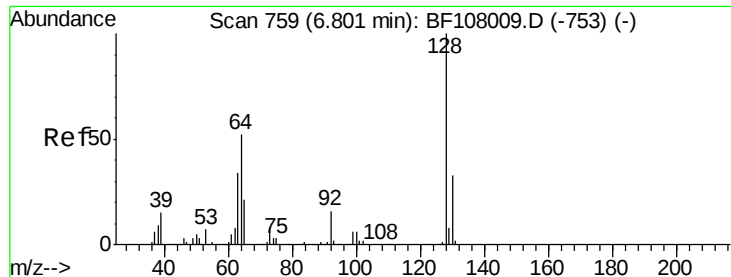
42 27.8 14.5 21.7#

71 42.7 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: 0.049 ng

RT: 6.80 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF108016.D

Acq: 8 Aug 2018 13:40

Instrument :

BNA_F

ClientSampleId :

PB111180BL

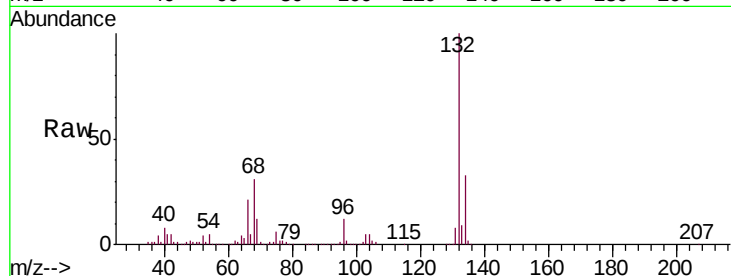
Tgt Ion:128 Resp: 929

Ion Ratio Lower Upper

128 100

130 111.0 13.0 53.0#

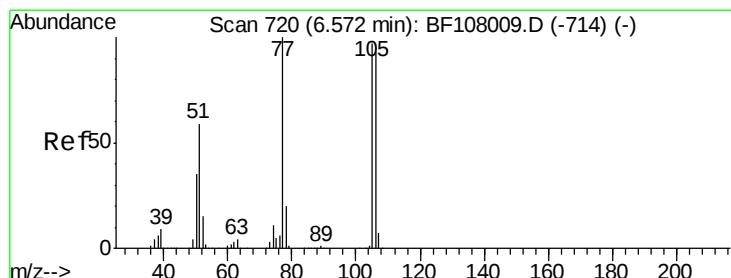
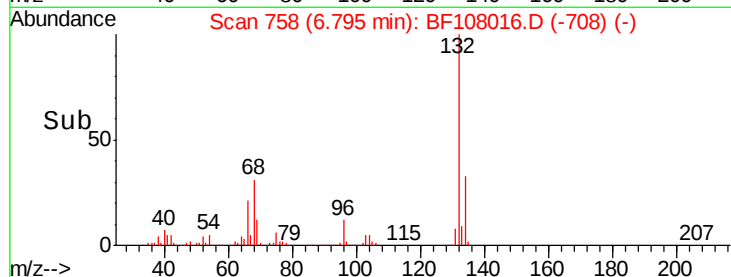
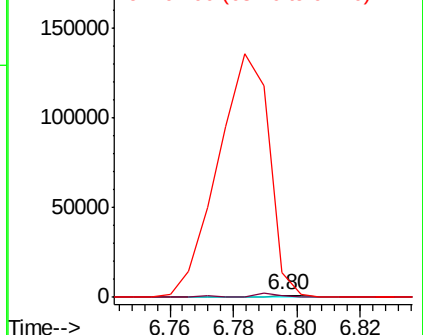
64 1391.4 29.4 69.4#



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: 6.63 min Scan# 730

Delta R.T. 0.06 min

Lab File: BF108016.D

Acq: 8 Aug 2018 13:40

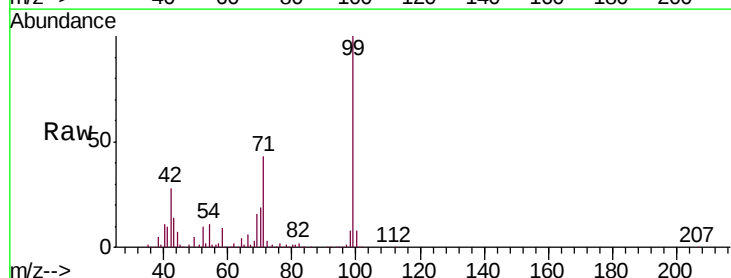
Tgt Ion: 77 Resp: 5751

Ion Ratio Lower Upper

77 100

105 0.0 81.1 121.1#

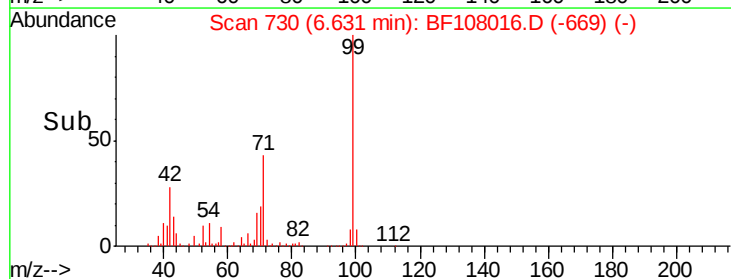
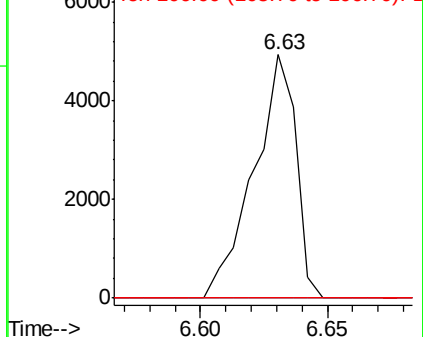
106 0.0 74.5 114.5#

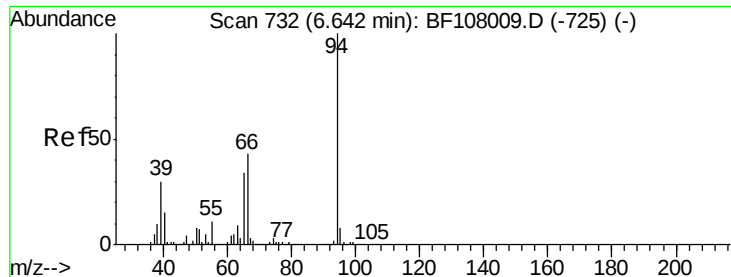


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.012 ng

RT: 6.64 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF108016.D

Acq: 8 Aug 2018 13:40

Instrument :

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ClientSampleId :

PB111180BL

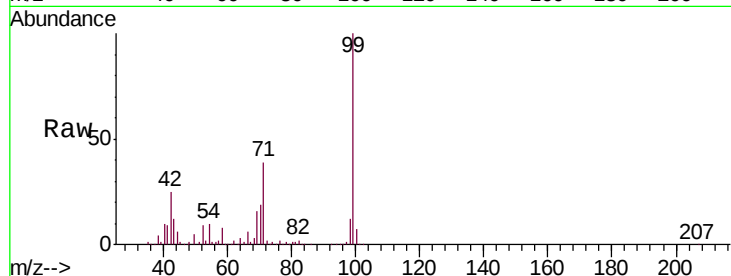
Tgt Ion: 94 Resp: 279

Ion Ratio Lower Upper

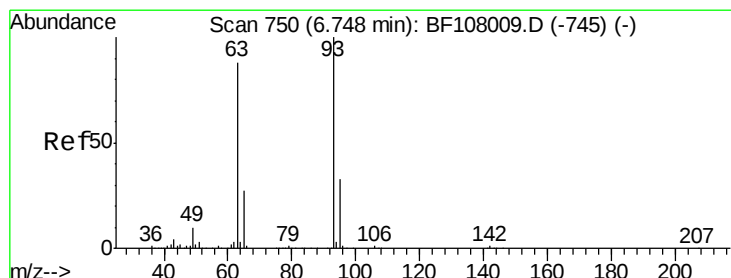
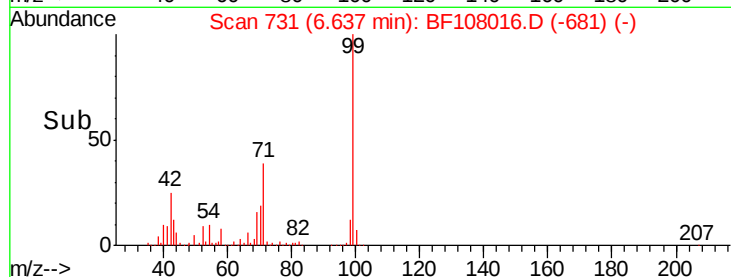
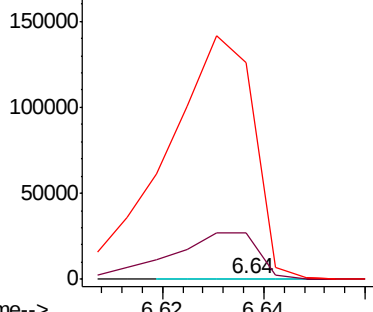
94 100

65 6075.6 7.9 47.9#

66 28732.6 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: 0.193 ng

RT: 6.79 min Scan# 757

Delta R.T. 0.04 min

Lab File: BF108016.D

Acq: 8 Aug 2018 13:40

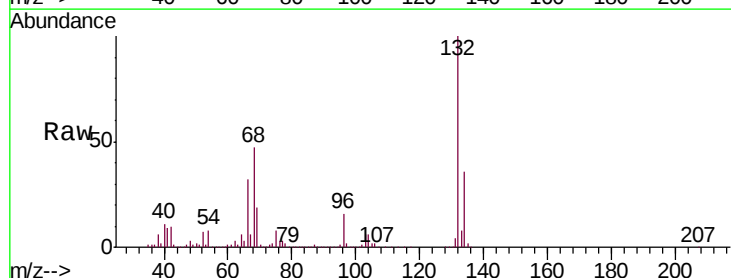
Tgt Ion: 93 Resp: 3584

Ion Ratio Lower Upper

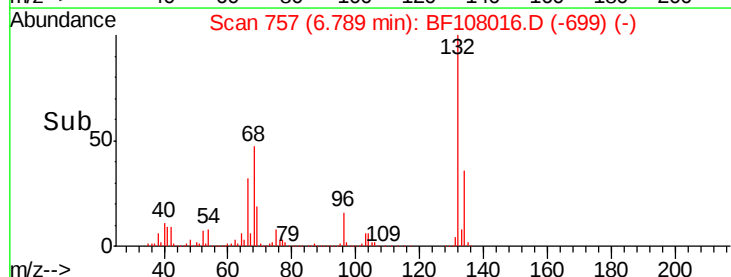
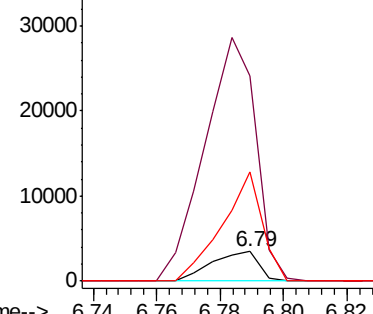
93 100

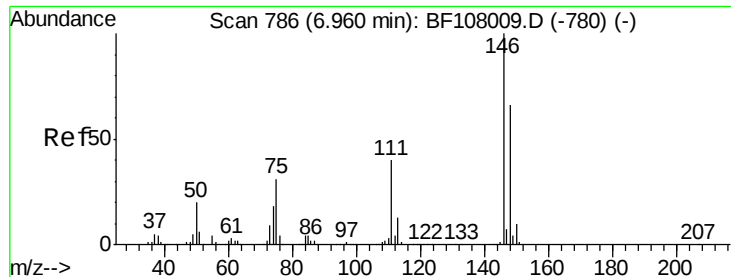
63 698.6 58.6 98.6#

95 370.8 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: 0.013 ng

RT: 7.17 min Scan# 822

Delta R.T. 0.21 min

Lab File: BF108016.D

Acq: 8 Aug 2018 13:40

Instrument :

BNA_F

ClientSampleId :

PB111180BL

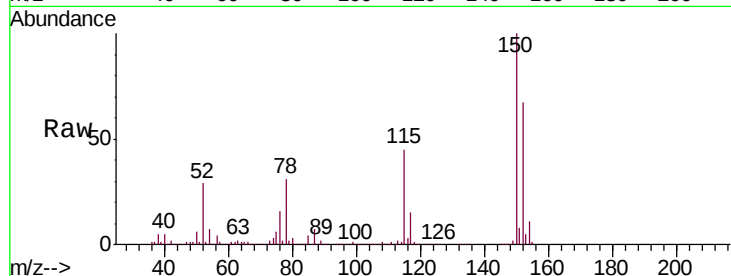
Tgt Ion:146 Resp: 291

Ion Ratio Lower Upper

146 100

148 505.3 51.8 77.8#

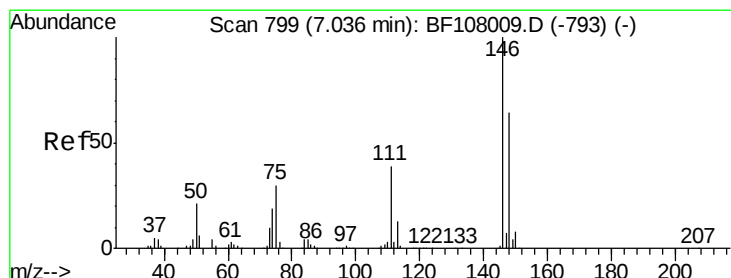
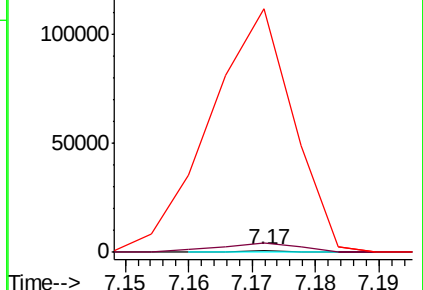
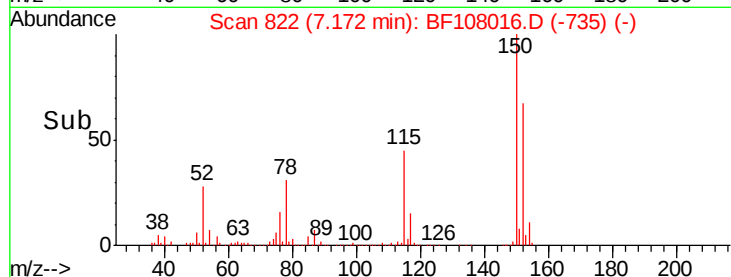
75 13511.8 24.2 36.4#



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: 0.013 ng

RT: 7.17 min Scan# 822

Delta R.T. 0.14 min

Lab File: BF108016.D

Acq: 8 Aug 2018 13:40

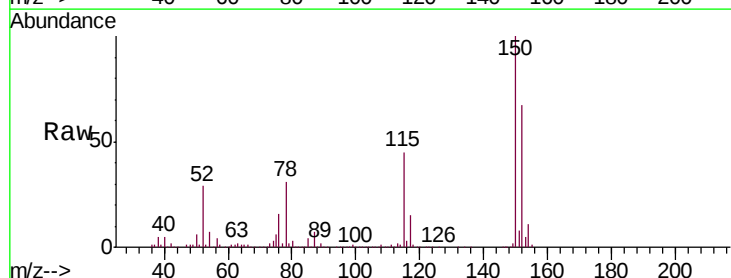
Tgt Ion:146 Resp: 291

Ion Ratio Lower Upper

146 100

148 505.3 50.8 76.2#

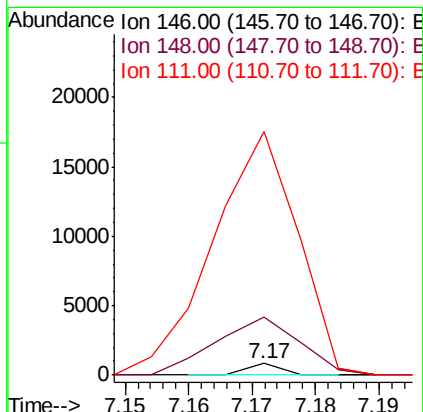
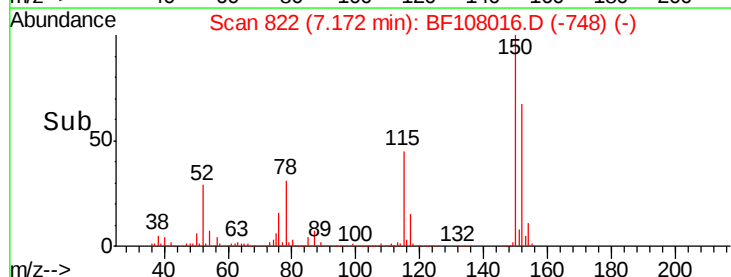
111 2125.6 34.2 51.2#

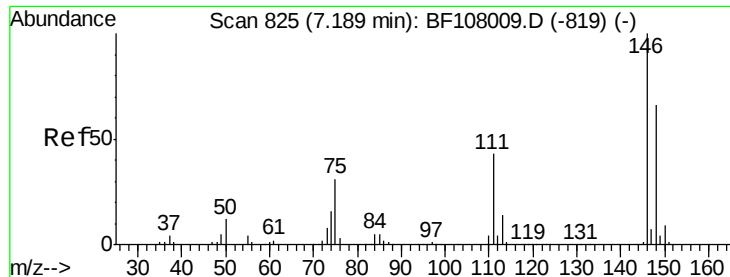


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 0.014 ng

RT: 7.17 min Scan# 822

Delta R.T. -0.02 min

Lab File: BF108016.D

Acq: 8 Aug 2018 13:40

Instrument :

BNA_F

ClientSampleId :

PB111180BL

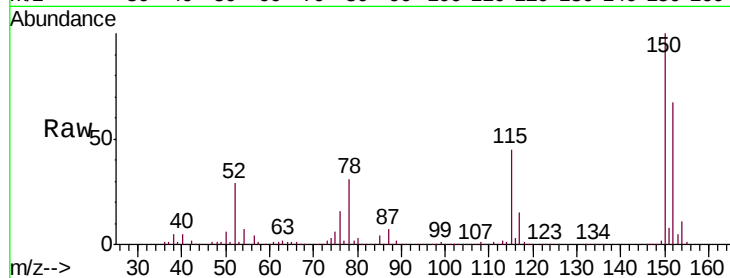
Tgt Ion:146 Resp: 291

Ion Ratio Lower Upper

146 100

148 505.3 50.6 75.8#

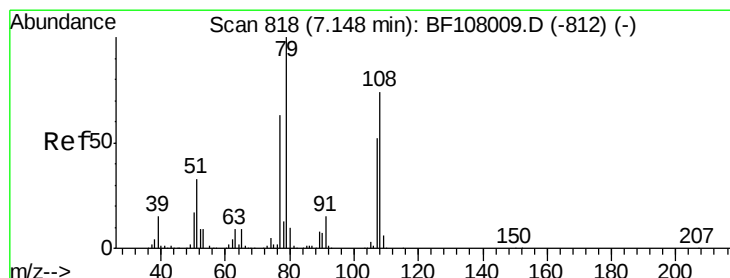
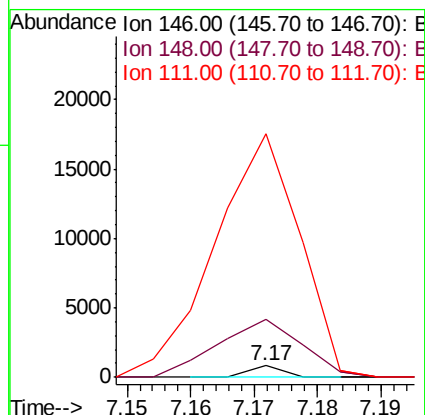
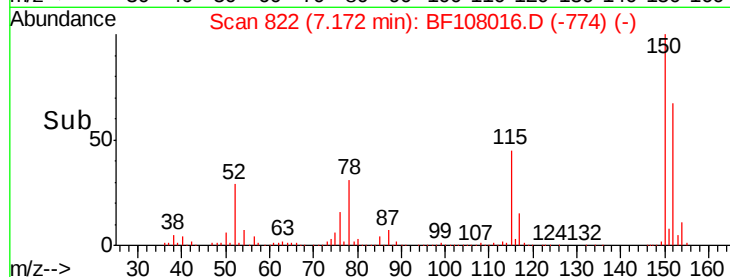
111 2125.6 36.0 54.0#



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: 1.846 ng

RT: 7.17 min Scan# 822

Delta R.T. 0.02 min

Lab File: BF108016.D

Acq: 8 Aug 2018 13:40

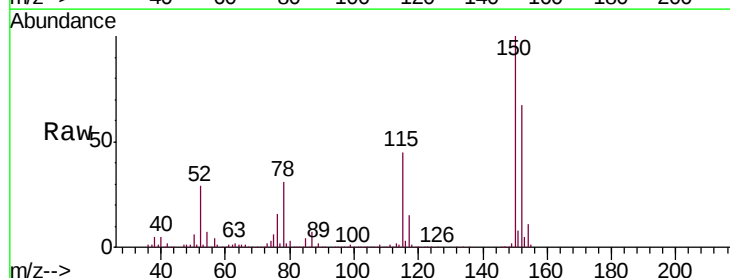
Tgt Ion: 79 Resp: 34528

Ion Ratio Lower Upper

79 100

108 28.7 65.1 97.7#

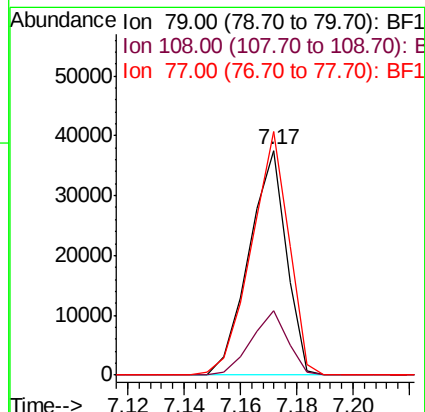
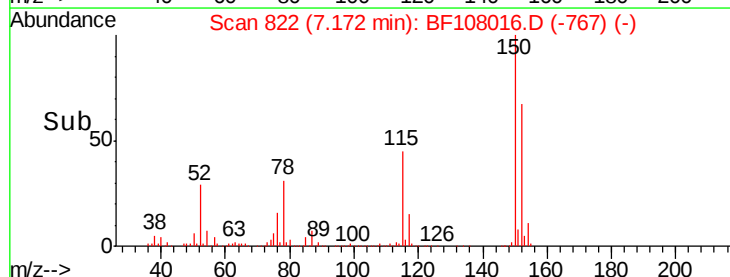
77 108.4 50.6 75.8#

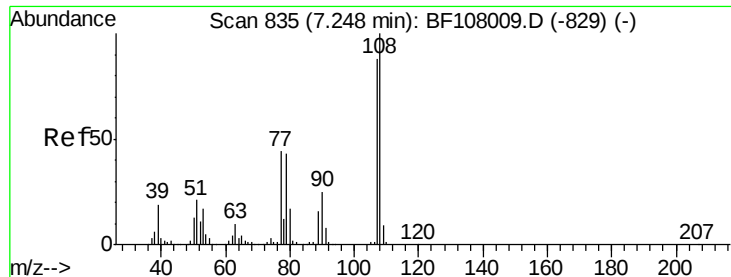


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

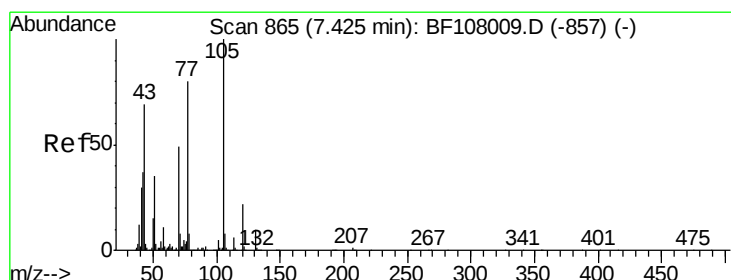
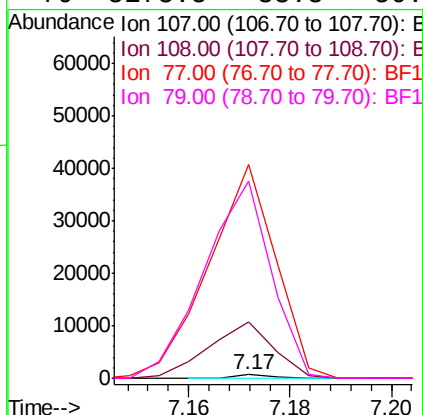
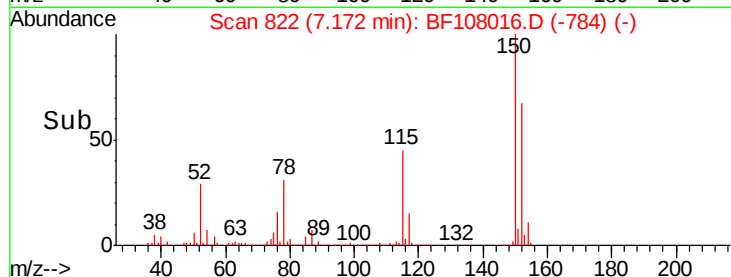
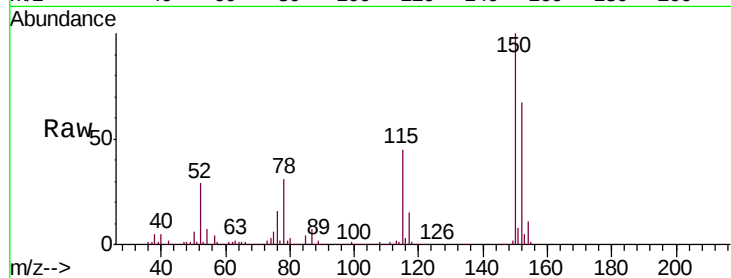




#17
2-Methylphenol
Concen: 0.023 ng
RT: 7.17 min Scan# 822
Delta R.T. -0.08 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

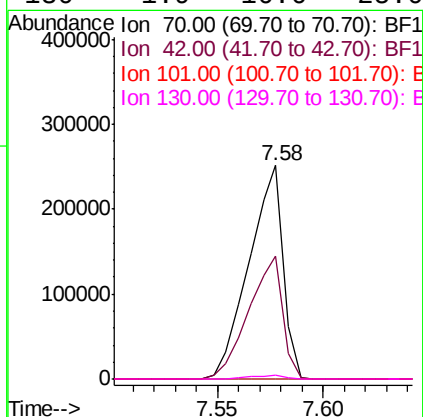
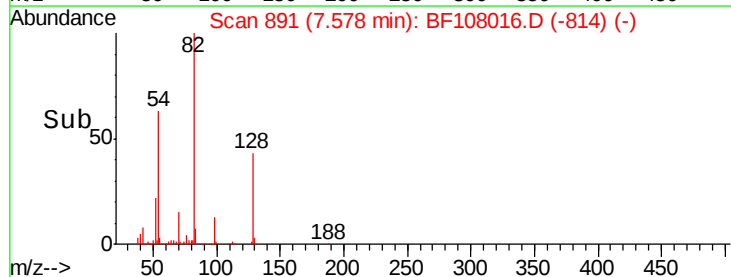
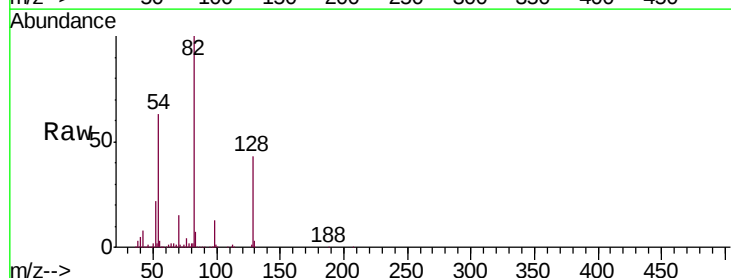
Instrument :
BNA_F
ClientSampleId :
PB111180BL

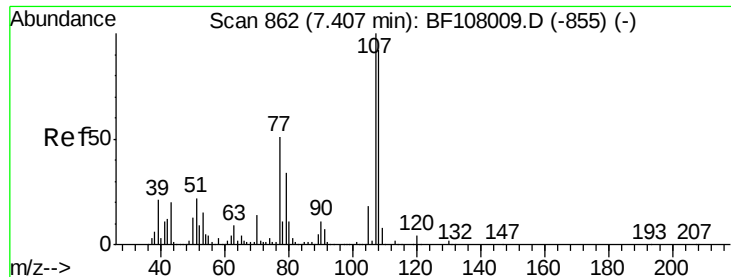
Tgt Ion: 107 Resp: 365
Ion Ratio Lower Upper
107 100
108 1486.1 91.7 137.5#
77 5613.2 33.8 50.8#
79 5178.5 33.8 50.8#



#19
n-Nitroso-di-n-propylamine
Concen: 18.724 ng
RT: 7.58 min Scan# 891
Delta R.T. 0.15 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

Tgt Ion: 70 Resp: 281273
Ion Ratio Lower Upper
70 100
42 57.3 47.5 71.3
101 0.0 7.4 11.2#
130 1.9 16.6 25.0#

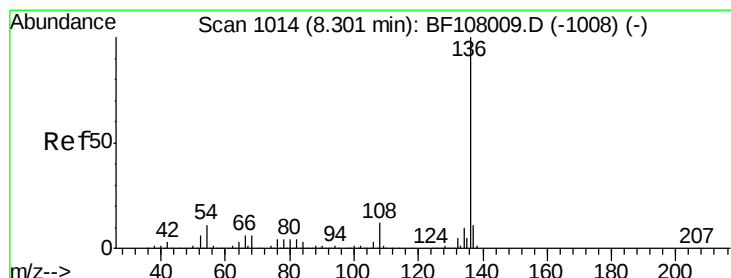
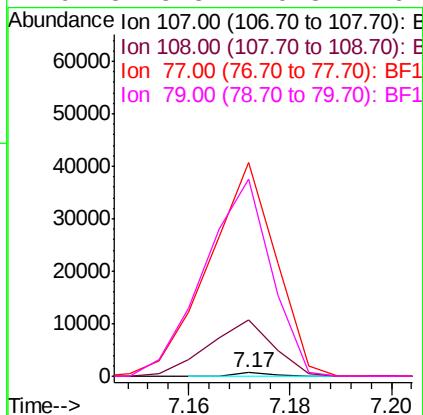
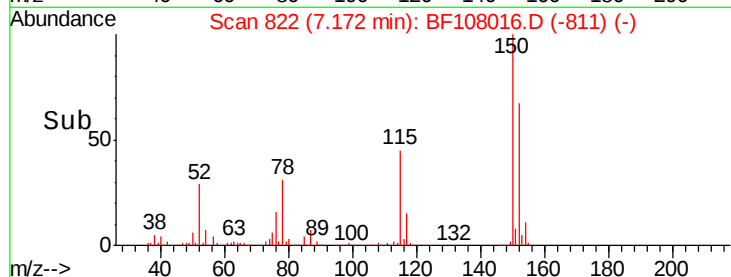
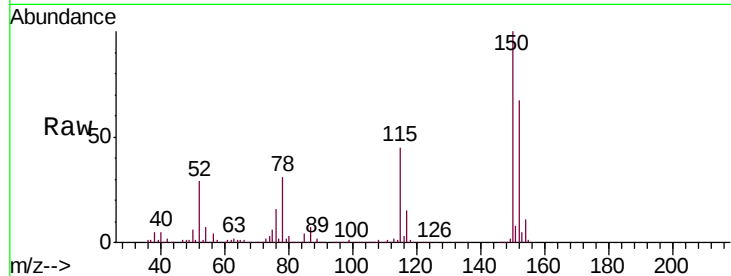




#20
 3+4-Methylphenols
 Concen: 0.018 ng
 RT: 7.17 min Scan# 822
 Delta R.T. -0.24 min
 Lab File: BF108016.D
 Acq: 8 Aug 2018 13:40

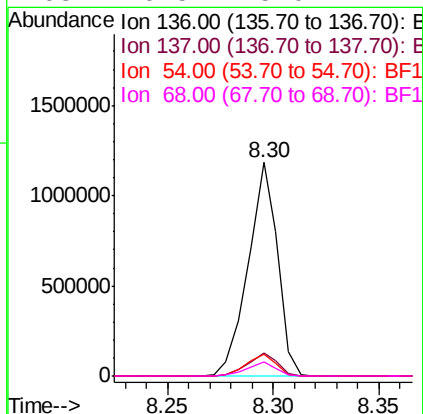
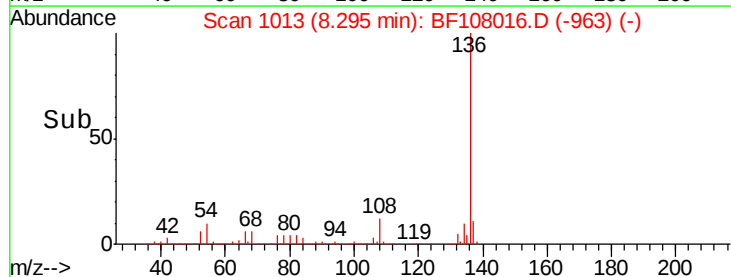
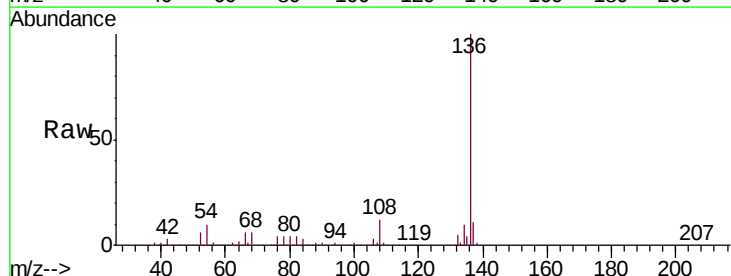
Instrument :
 BNA_F
 ClientSampleId :
 PB111180BL

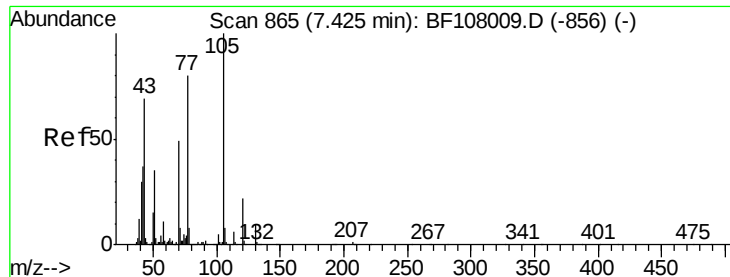
Tgt Ion:107 Resp: 365
 Ion Ratio Lower Upper
 107 100
 108 1486.1 68.2 108.2#
 77 5613.2 26.7 66.7#
 79 5178.5 6.3 46.3#



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.30 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: BF108016.D
 Acq: 8 Aug 2018 13:40

Tgt Ion:136 Resp: 1143769
 Ion Ratio Lower Upper
 136 100
 137 11.1 8.9 13.3
 54 10.4 6.6 9.8#
 68 6.5 5.0 7.4





#22

Acetophenone

Concen: 0.005 ng

RT: 7.37 min Scan# 855

Delta R.T. -0.06 min

Lab File: BF108016.D

Acq: 8 Aug 2018 13:40

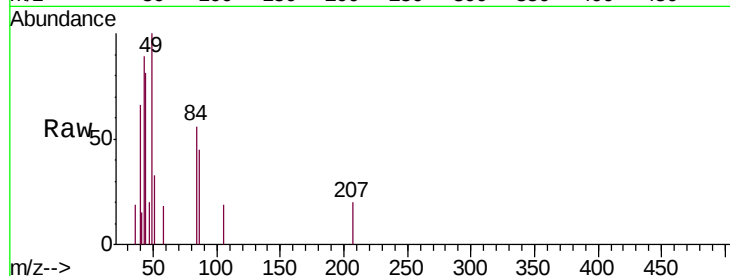
Instrument :

BNA_F

ClientSampleId :

PB111180BL

Tgt Ion:	105	Resp:	132
Ion	Ratio	Lower	Upper
105	100		
71	0.0	4.4	6.6#
51	174.6	22.3	33.5#
120	0.0	16.9	25.3#

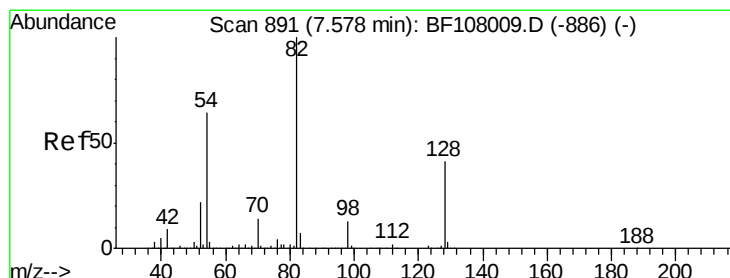
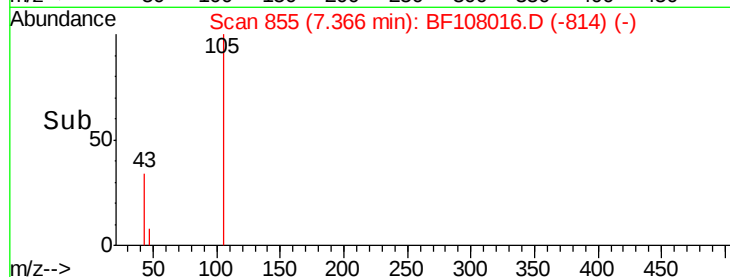
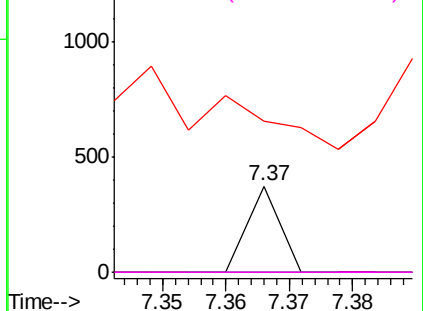


Abundance Ion 105.00 (104.70 to 105.70): E

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: 97.318 ng

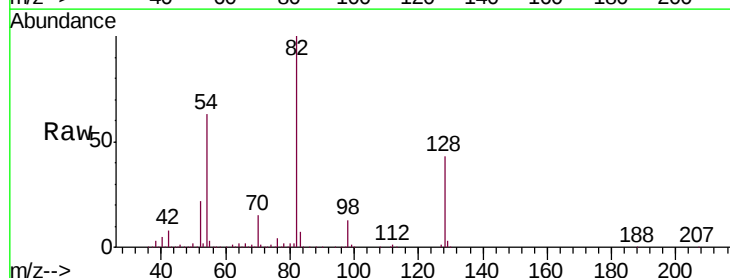
RT: 7.58 min Scan# 891

Delta R.T. 0.00 min

Lab File: BF108016.D

Acq: 8 Aug 2018 13:40

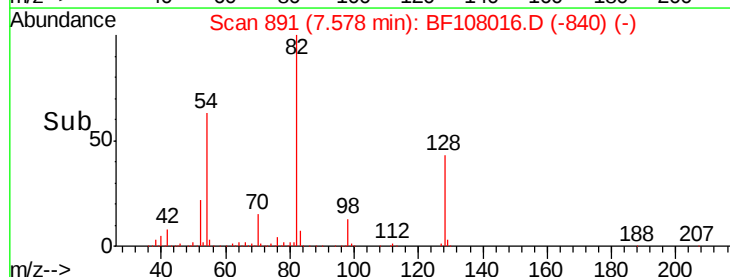
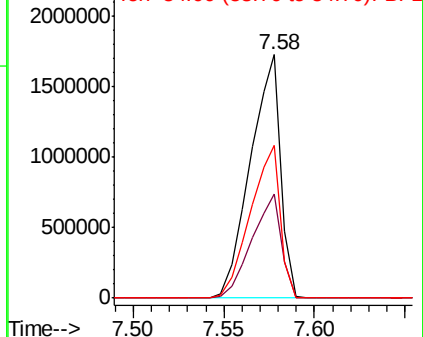
Tgt Ion:	82	Resp:	1994730
Ion	Ratio	Lower	Upper
82	100		
128	42.8	36.1	54.1
54	62.8	41.4	62.2#

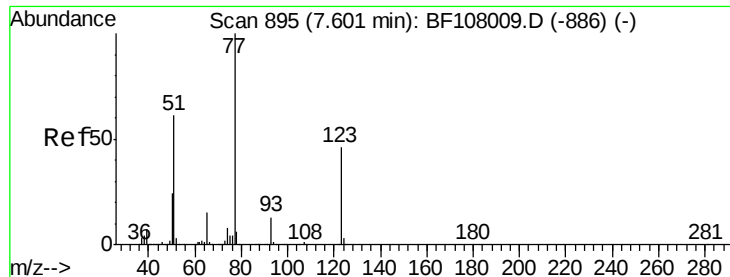


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

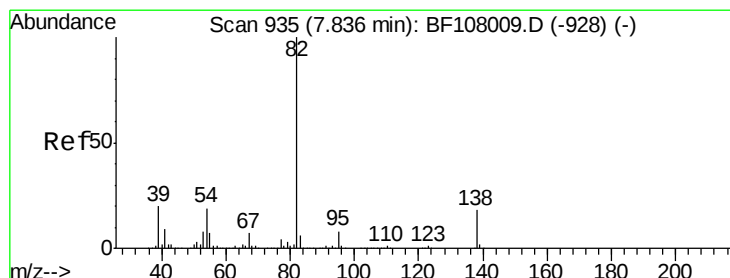
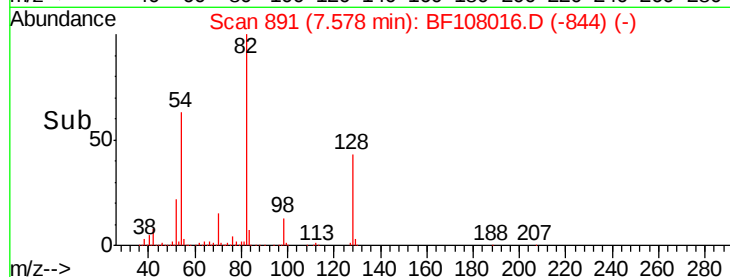
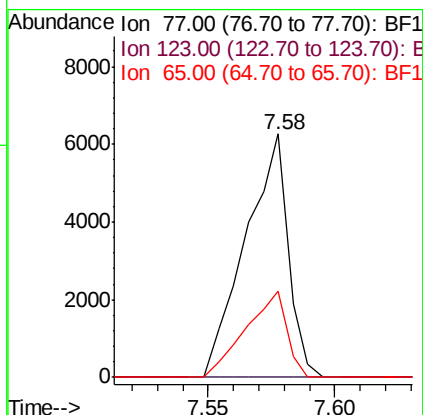
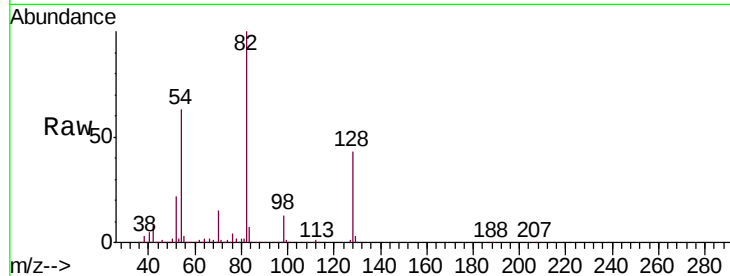




#24
 Nitrobenzene
 Concen: 0.356 ng
 RT: 7.58 min Scan# 891
 Delta R.T. -0.02 min
 Lab File: BF108016.D
 Acq: 8 Aug 2018 13:40

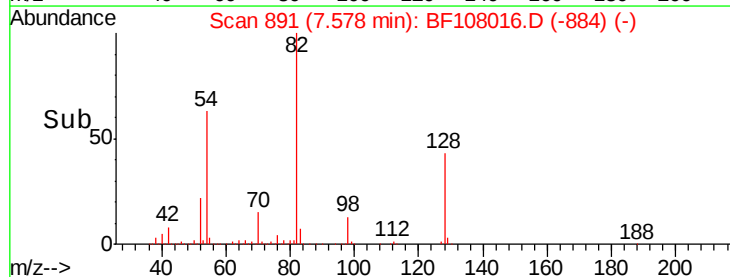
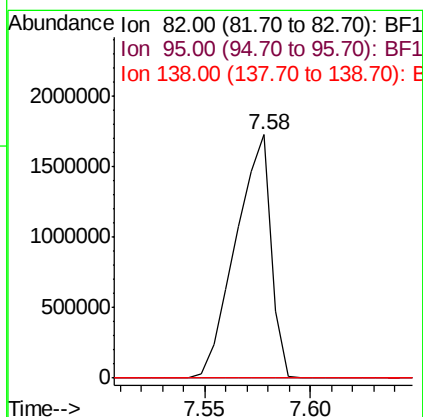
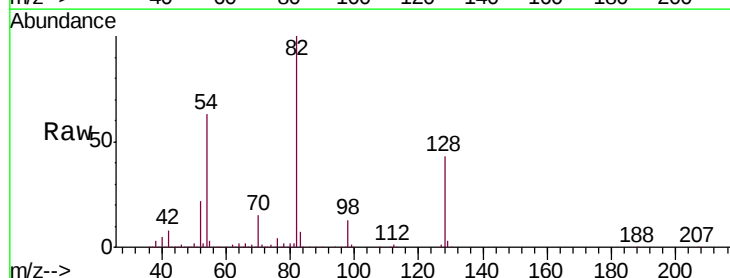
Instrument :
 BNA_F
 ClientSampleId :
 PB111180BL

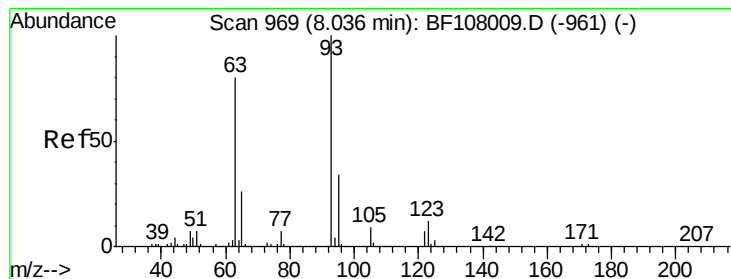
Tgt Ion: 77 Resp: 7384
 Ion Ratio Lower Upper
 77 100
 123 0.0 37.9 56.9#
 65 35.4 11.0 16.4#



#25
 Isophorone
 Concen: 50.991 ng
 RT: 7.58 min Scan# 891
 Delta R.T. -0.26 min
 Lab File: BF108016.D
 Acq: 8 Aug 2018 13:40

Tgt Ion: 82 Resp: 1992140
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#





#28

bis(2-Chloroethoxy)methane

Concen: 0.013 ng

RT: 8.30 min Scan# 1013

Delta R.T. 0.26 min

Lab File: BF108016.D

Acq: 8 Aug 2018 13:40

Instrument :

BNA_F

ClientSampleId :

PB111180BL

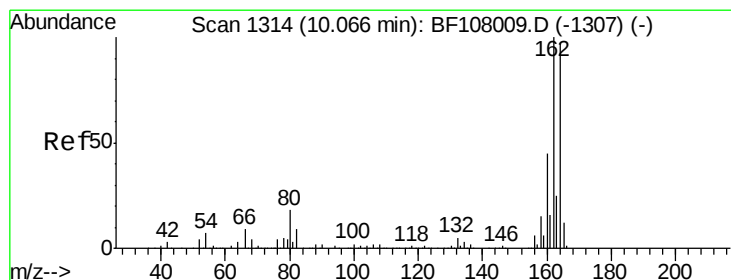
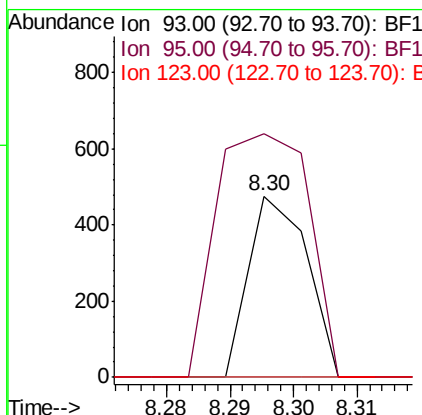
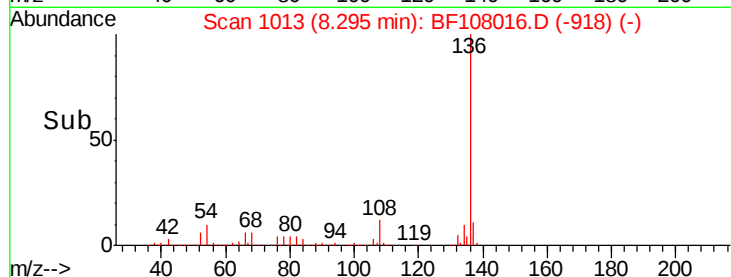
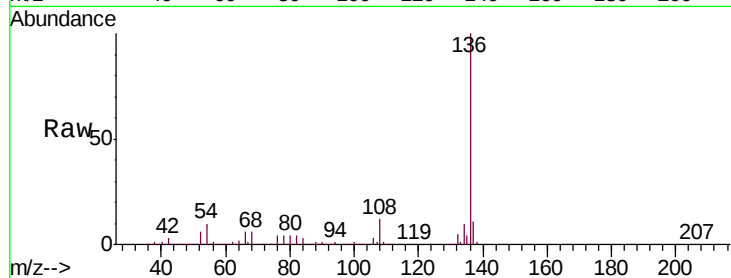
Tgt Ion: 93 Resp: 304

Ion Ratio Lower Upper

93 100

95 134.2 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: BF108016.D

Acq: 8 Aug 2018 13:40

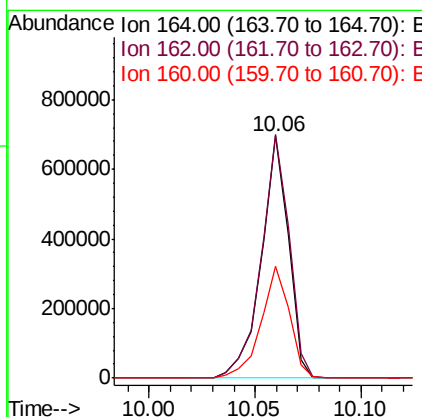
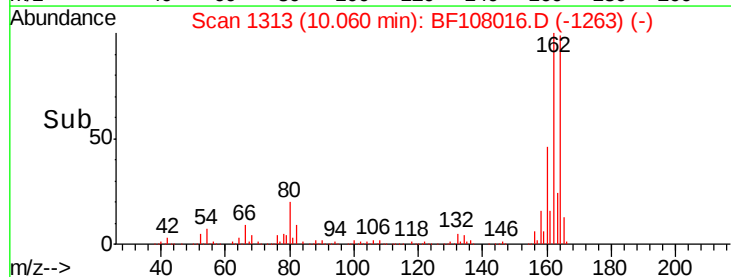
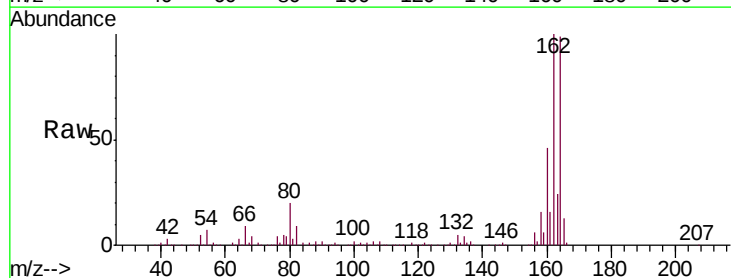
Tgt Ion: 164 Resp: 626108

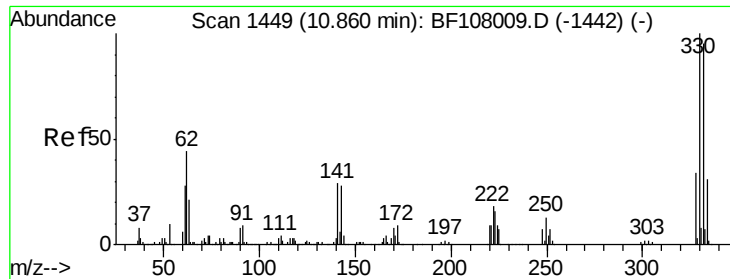
Ion Ratio Lower Upper

164 100

162 100.7 86.1 129.1

160 46.3 38.3 57.5

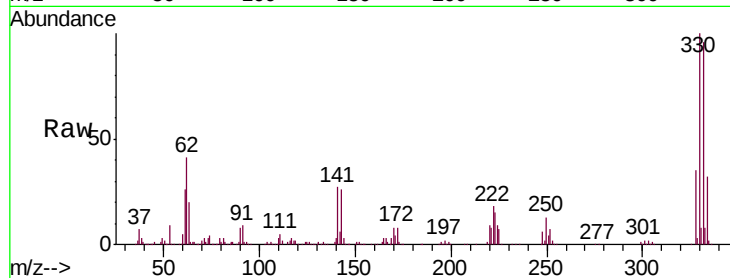




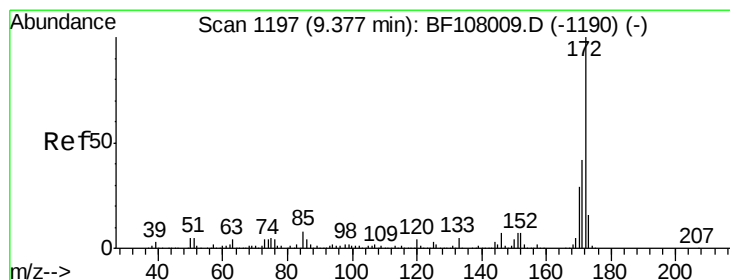
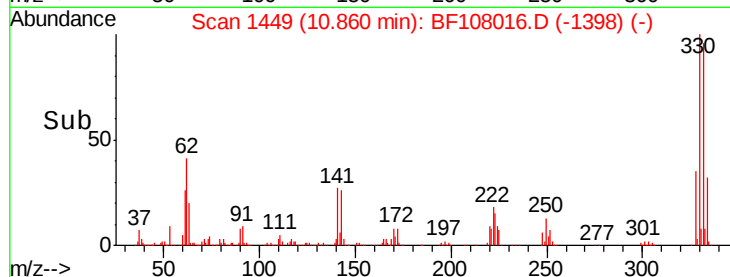
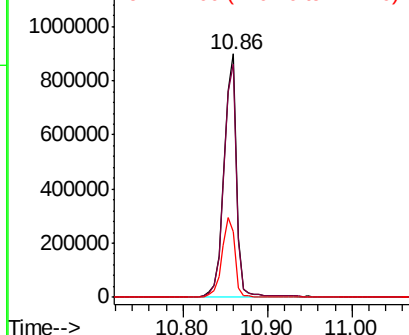
#41
 2,4,6-Tribromophenol
 Concen: 150.247 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. 0.00 min
 Lab File: BF108016.D
 Acq: 8 Aug 2018 13:40

Instrument :
 BNA_F
 ClientSampleId :
 PB111180BL

Tgt Ion:330 Resp: 938335
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.0 115.6
 141 34.9 29.9 44.9

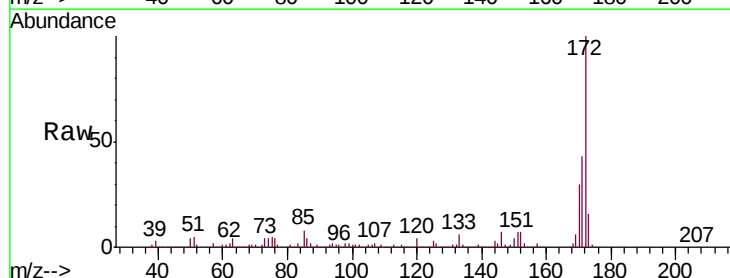


Abundance Ion 329.80 (329.50 to 330.50): E
 1200000 Ion 331.80 (331.50 to 332.50): E
 1000000 Ion 141.00 (140.70 to 141.70): E

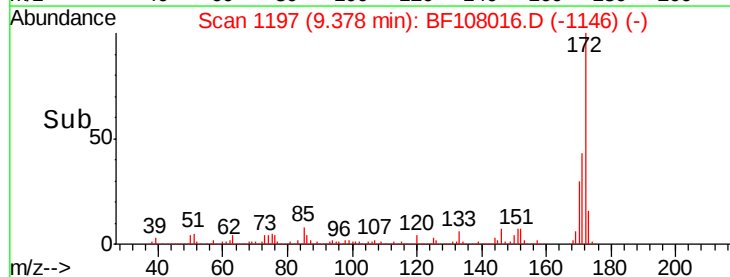
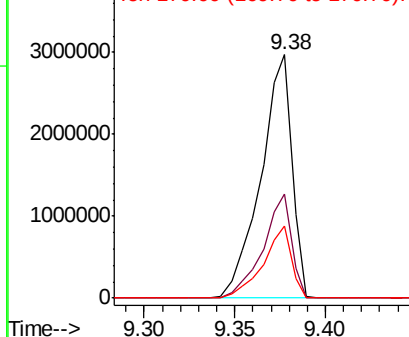


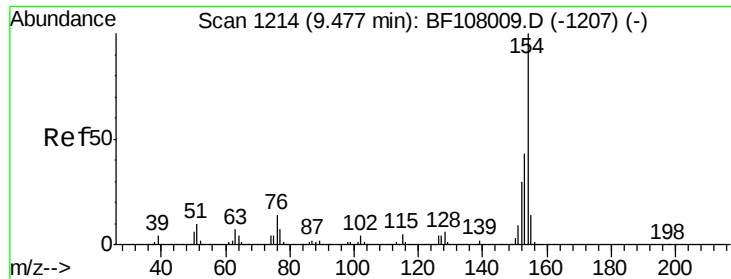
#44
 2-Fluorobiphenyl
 Concen: 91.220 ng
 RT: 9.38 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: BF108016.D
 Acq: 8 Aug 2018 13:40

Tgt Ion:172 Resp: 3557424
 Ion Ratio Lower Upper
 172 100
 171 42.9 29.7 44.5
 170 29.7 19.6 29.4#



Abundance Ion 172.00 (171.70 to 172.70): E
 4000000 Ion 171.00 (170.70 to 171.70): E
 3000000 Ion 170.00 (169.70 to 170.70): E

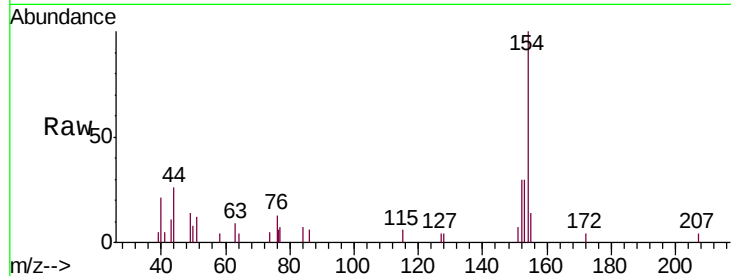




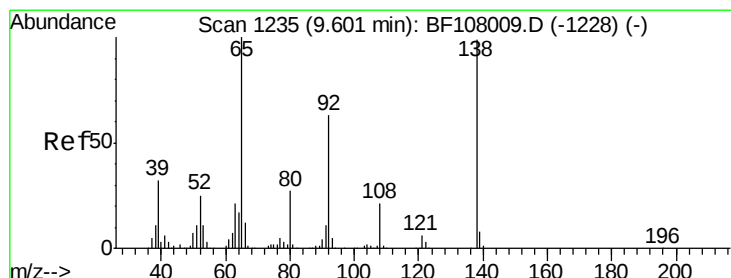
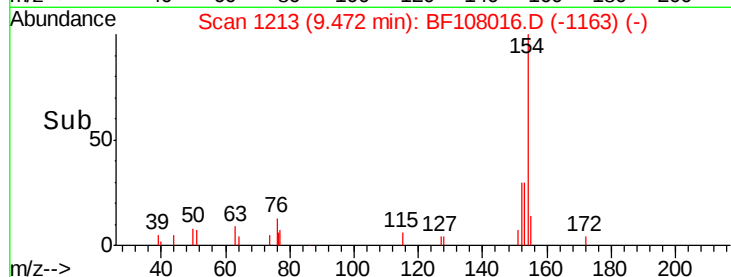
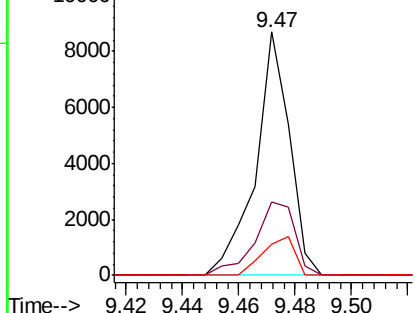
#45
 1,1'-Biphenyl
 Concen: 0.156 ng
 RT: 9.47 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF108016.D
 Acq: 8 Aug 2018 13:40

Instrument :
 BNA_F
 ClientSampleId :
 PB111180BL

Tgt Ion:	154	Resp:	7221
Ion	Ratio	Lower	Upper
154	100		
153	30.3	21.3	61.3
76	18.2	0.0	34.0

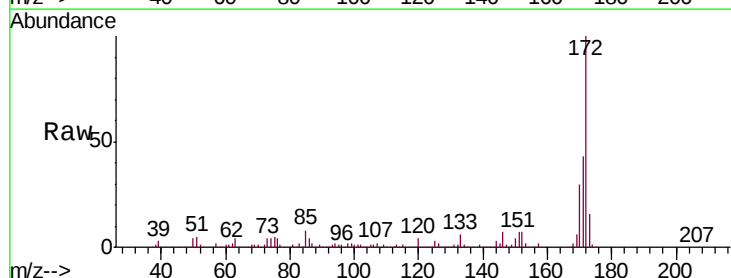


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

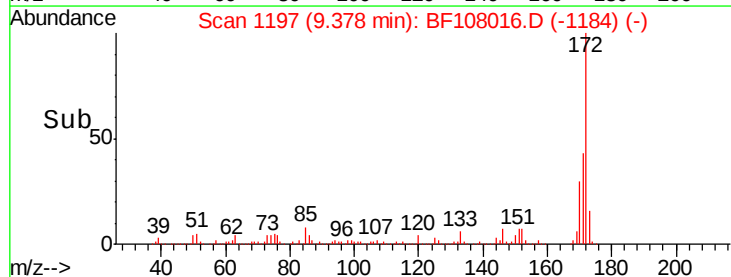
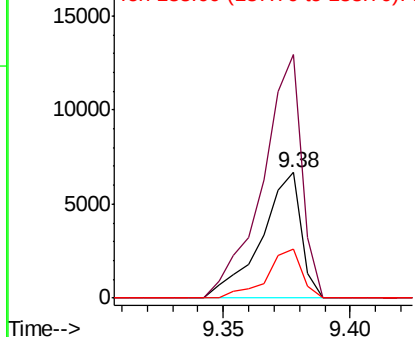


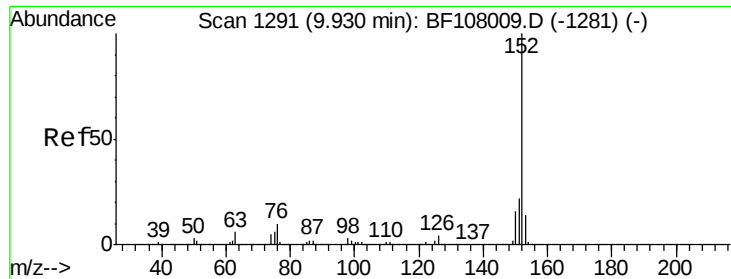
#47
 2-Nitroaniline
 Concen: 0.623 ng
 RT: 9.38 min Scan# 1197
 Delta R.T. -0.22 min
 Lab File: BF108016.D
 Acq: 8 Aug 2018 13:40

Tgt Ion:	65	Resp:	7355
Ion	Ratio	Lower	Upper
65	100		
92	193.9	55.8	83.6#
138	38.6	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: 0.003 ng

RT: 9.91 min Scan# 1287

Delta R.T. -0.02 min

Lab File: BF108016.D

Acq: 8 Aug 2018 13:40

Instrument :

BNA_F

ClientSampleId :

PB111180BL

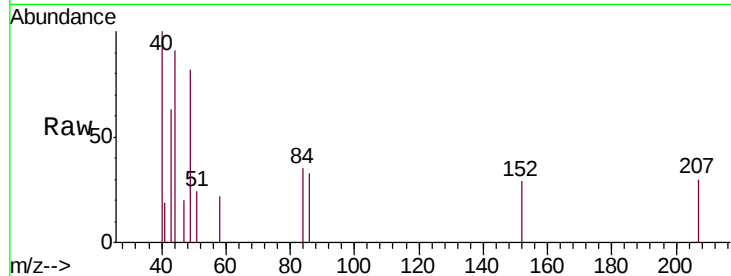
Tgt Ion:152 Resp: 170

Ion Ratio Lower Upper

152 100

151 0.0 16.3 24.5#

153 0.0 10.7 16.1#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

9.91

600

500

400

300

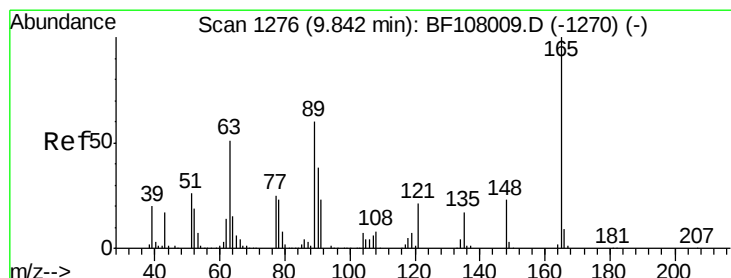
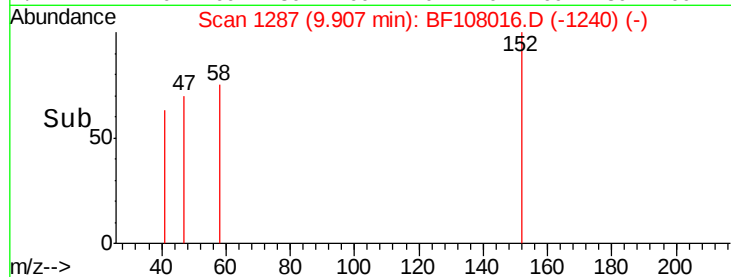
200

100

0

9.89 9.90 9.91 9.92

Time-->



#50

2,6-Dinitrotoluene

Concen: 8.846 ng

RT: 10.06 min Scan# 1313

Delta R.T. 0.22 min

Lab File: BF108016.D

Acq: 8 Aug 2018 13:40

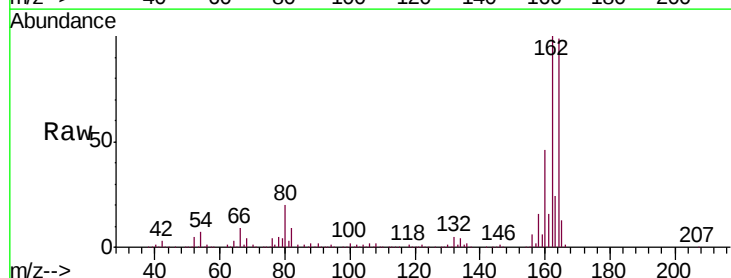
Tgt Ion:165 Resp: 80714

Ion Ratio Lower Upper

165 100

63 1.7 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

10.06

120000

100000

80000

60000

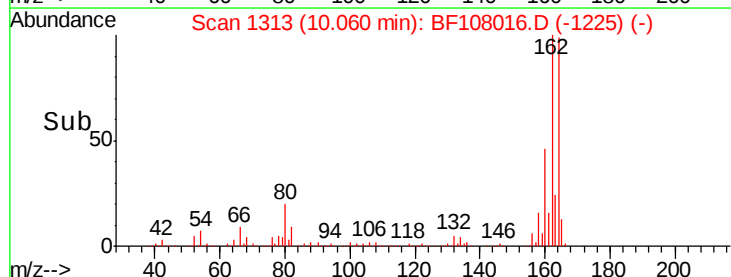
40000

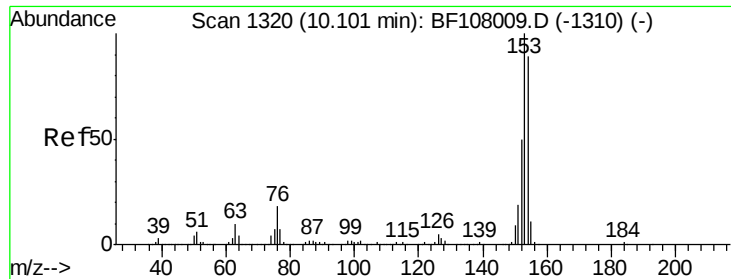
20000

0

10.00 10.05 10.10

Time-->





#51

Acenaphthene

Concen: 0.082 ng

RT: 10.06 min Scan# 1313

Delta R.T. -0.04 min

Lab File: BF108016.D

Acq: 8 Aug 2018 13:40

Instrument :

BNA_F

ClientSampleId :

PB111180BL

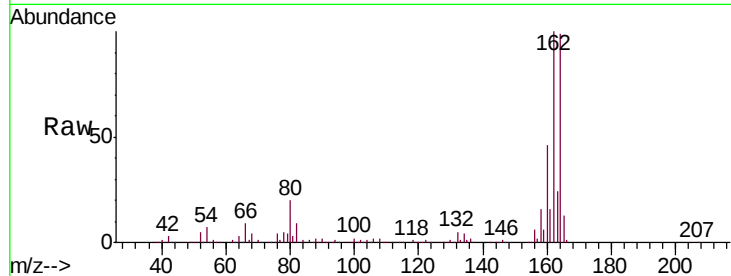
Tgt Ion:154 Resp: 2899

Ion Ratio Lower Upper

154 100

153 0.0 91.2 136.8#

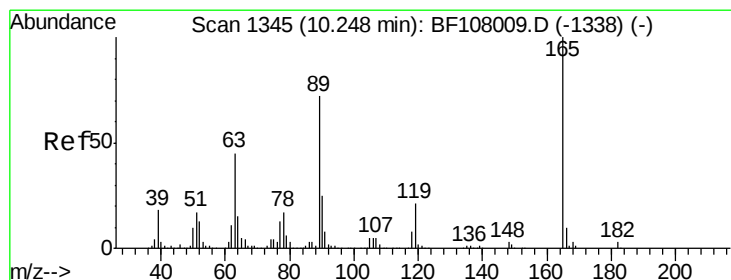
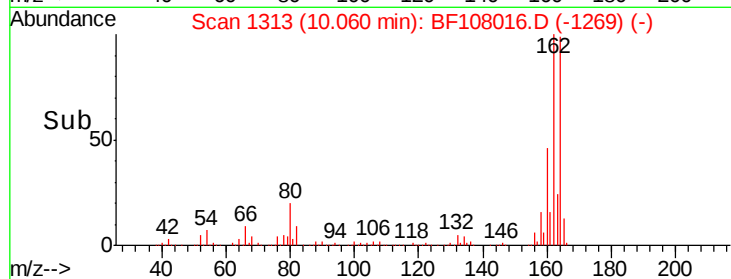
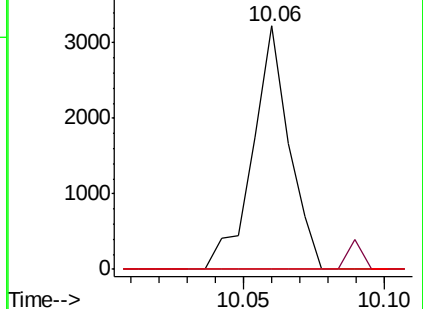
152 0.0 43.8 65.8#



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: 6.872 ng

RT: 10.06 min Scan# 1313

Delta R.T. -0.19 min

Lab File: BF108016.D

Acq: 8 Aug 2018 13:40

Tgt Ion:165 Resp: 80714

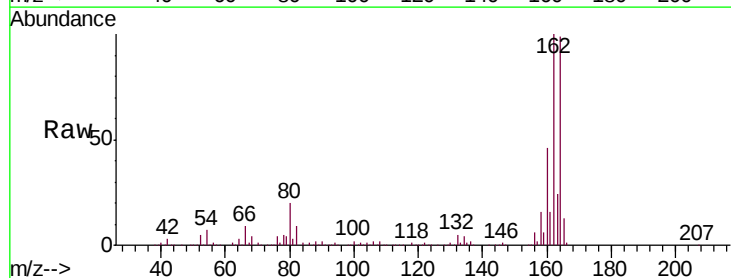
Ion Ratio Lower Upper

165 100

63 1.7 36.4 54.6#

89 1.7 57.8 86.6#

182 0.0 1.6 2.4#

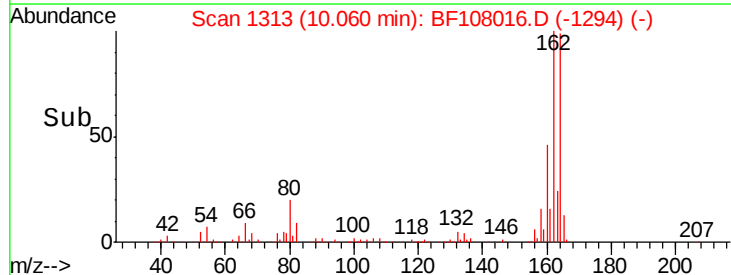
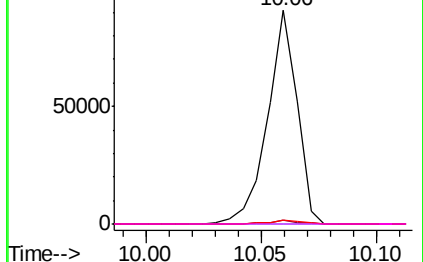


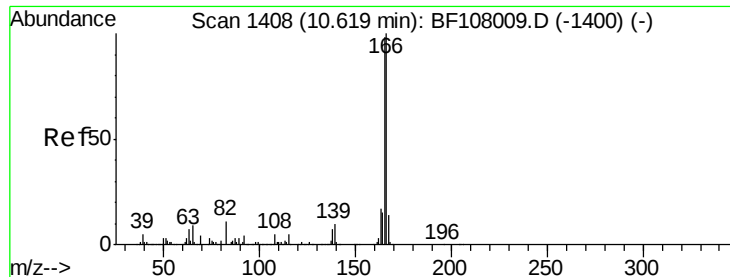
Abundance Ion 165.00 (164.70 to 165.70): E

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: 0.959 ng

RT: 10.85 min Scan# 1448

Delta R.T. 0.24 min

Lab File: BF108016.D

Acq: 8 Aug 2018 13:40

Instrument :

BNA_F

ClientSampleId :

PB111180BL

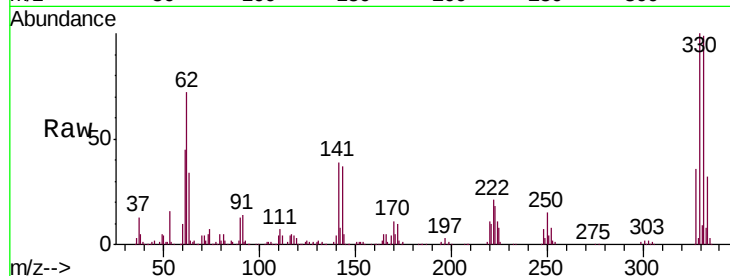
Tgt Ion:166 Resp: 38867

Ion Ratio Lower Upper

166 100

165 102.1 79.8 119.8

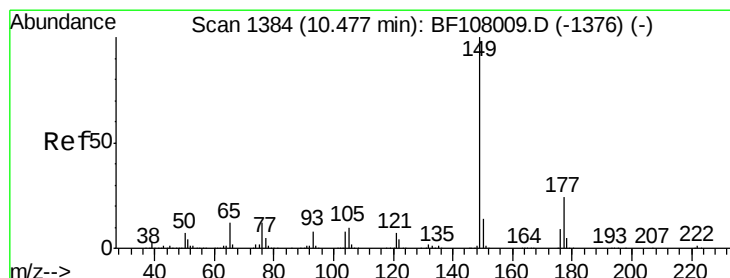
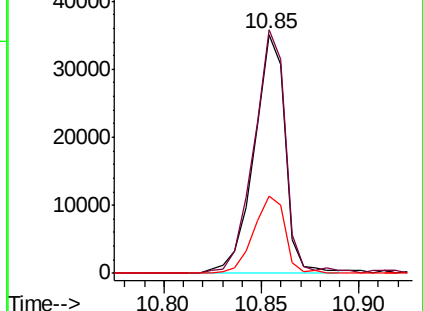
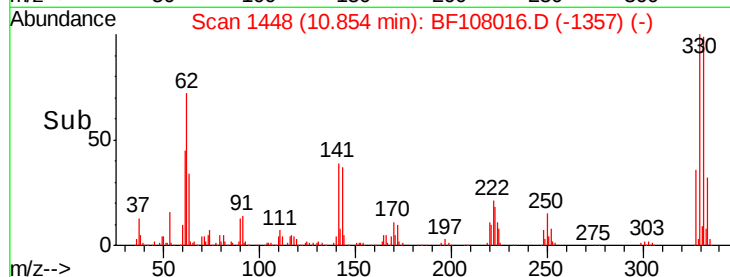
167 32.1 10.6 16.0#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#59

Diethylphthalate

Concen: 0.005 ng

RT: 10.47 min Scan# 1382

Delta R.T. -0.01 min

Lab File: BF108016.D

Acq: 8 Aug 2018 13:40

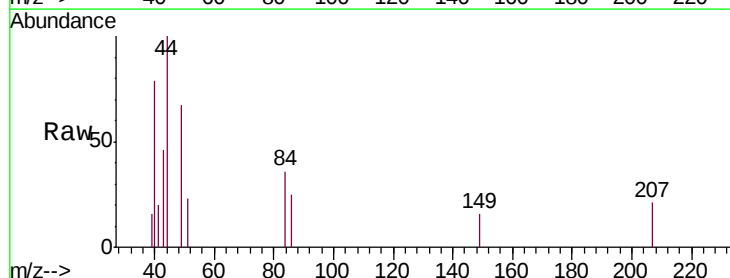
Tgt Ion:149 Resp: 228

Ion Ratio Lower Upper

149 100

177 0.0 16.1 24.1#

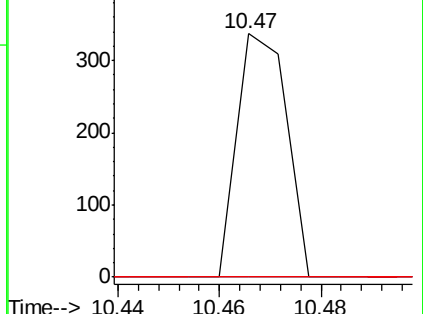
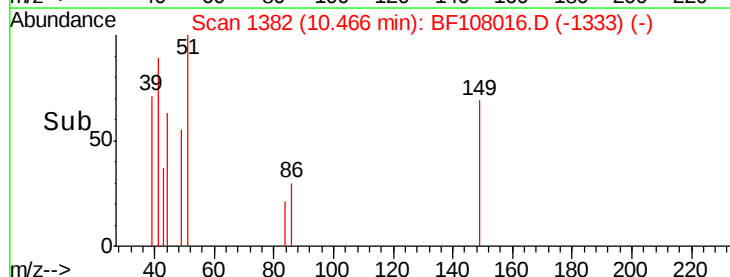
150 0.0 10.1 15.1#

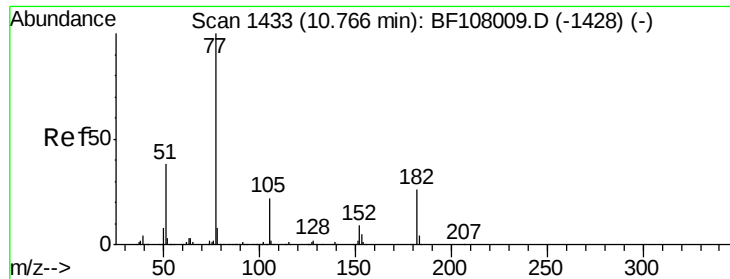


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#62

Azobenzene

Concen: 0.132 ng

RT: 10.85 min Scan# 1448

Delta R.T. 0.09 min

Lab File: BF108016.D

Acq: 8 Aug 2018 13:40

Instrument :

BNA_F

ClientSampleId :

PB111180BL

Tgt Ion: 77 Resp: 5739

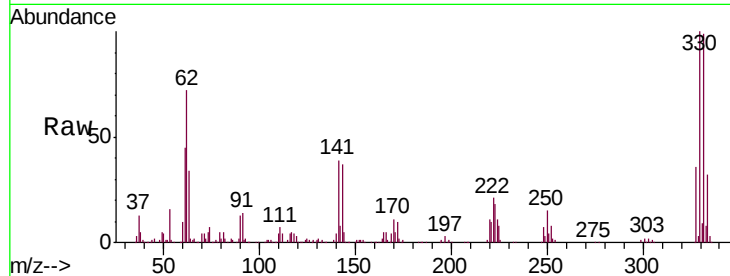
Ion Ratio Lower Upper

77 100

182 0.0 1.7 41.7#

105 104.0 3.0 43.0#

51 110.7 9.9 49.9#

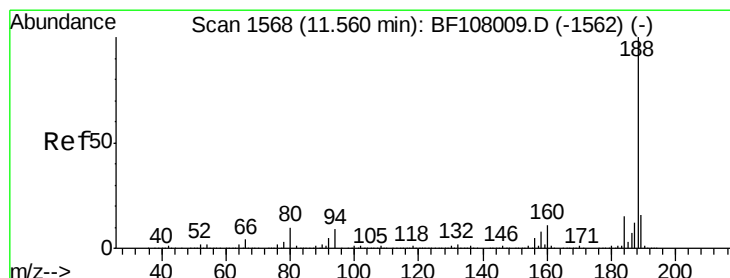
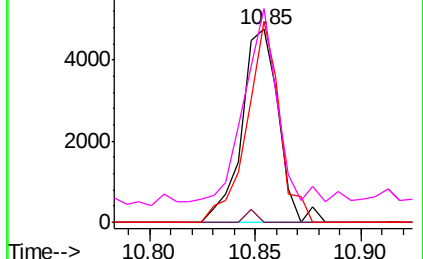
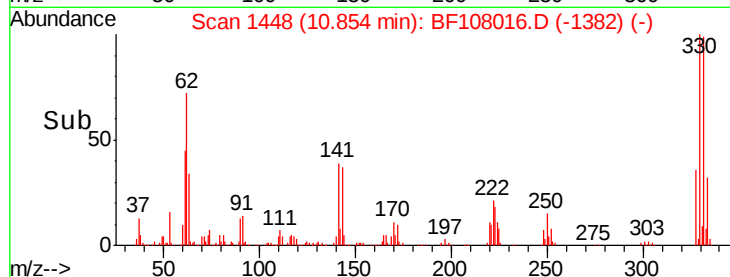


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: BF108016.D

Acq: 8 Aug 2018 13:40

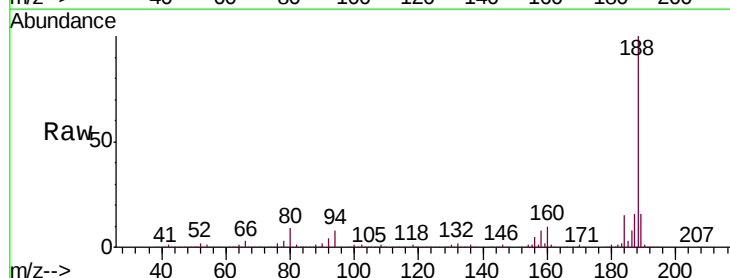
Tgt Ion: 188 Resp: 1297954

Ion Ratio Lower Upper

188 100

94 7.7 8.5 12.7#

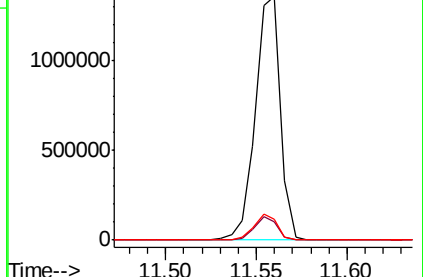
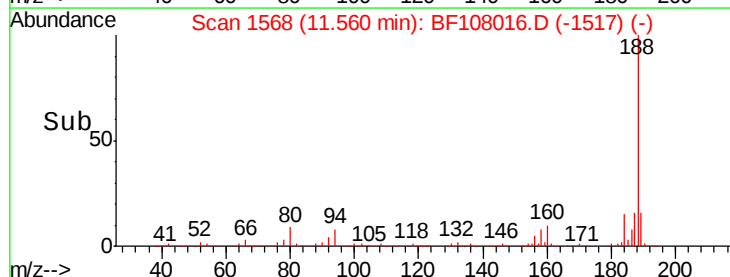
80 8.8 9.2 13.8#

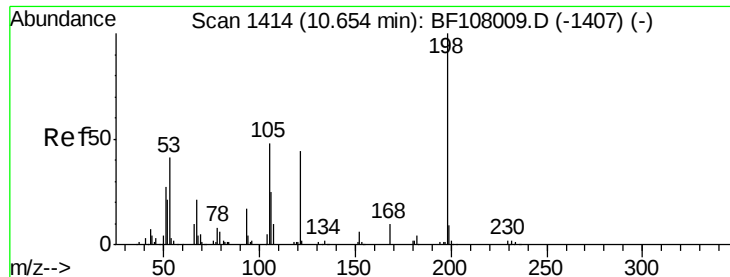


Abundance Ion 188.00 (187.70 to 188.70): E

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: 5.836 ng

RT: 10.86 min Scan# 1449

Delta R.T. 0.21 min

Lab File: BF108016.D

Acq: 8 Aug 2018 13:40

Instrument :

BNA_F

ClientSampleId :

PB111180BL

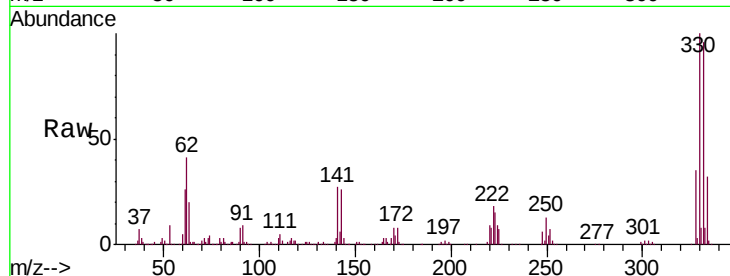
Tgt Ion:198 Resp: 2620

Ion Ratio Lower Upper

198 100

51 134.9 37.7 77.7#

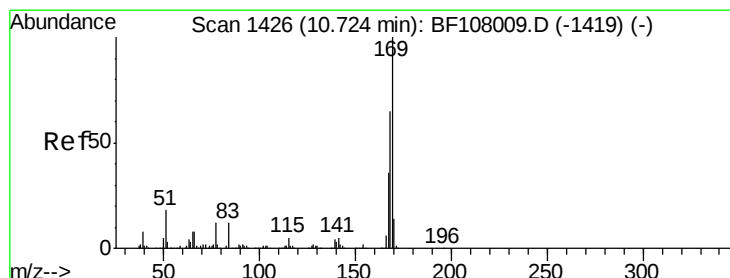
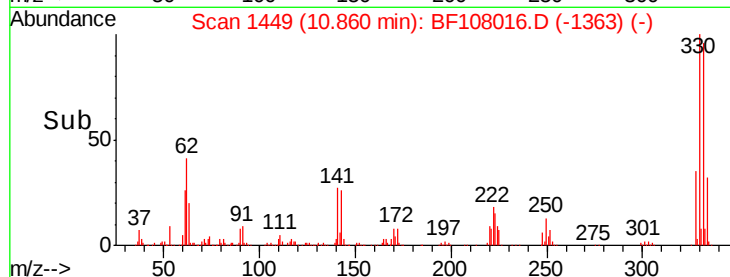
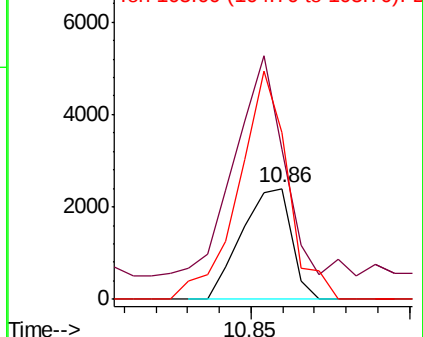
105 150.0 36.3 76.3#



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: 0.818 ng

RT: 10.85 min Scan# 1448

Delta R.T. 0.13 min

Lab File: BF108016.D

Acq: 8 Aug 2018 13:40

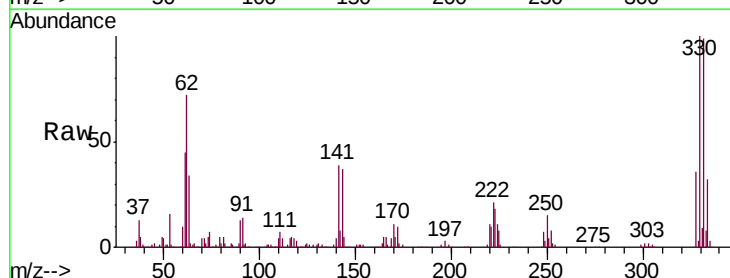
Tgt Ion:169 Resp: 31390

Ion Ratio Lower Upper

169 100

168 6.5 54.4 81.6#

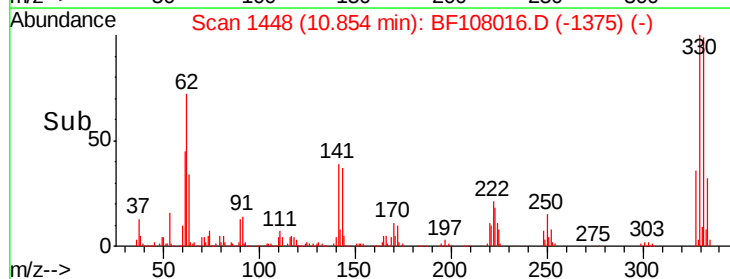
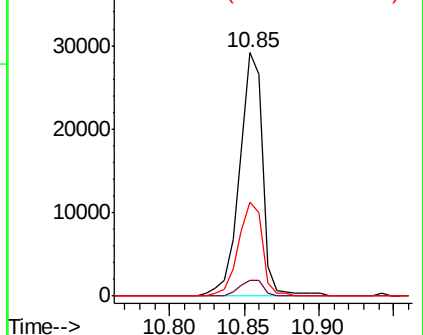
167 38.6 29.8 44.6

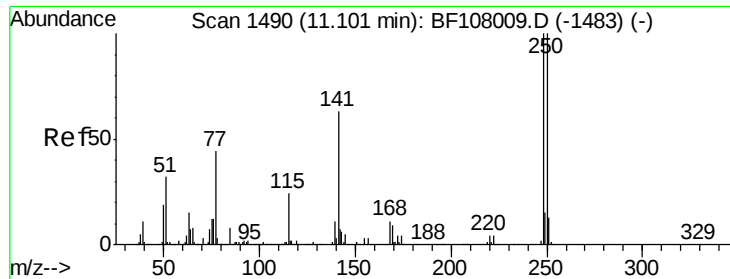


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

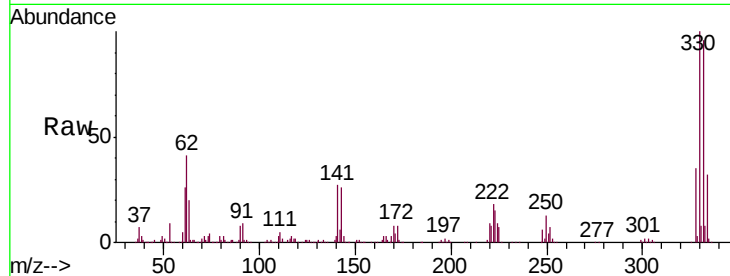




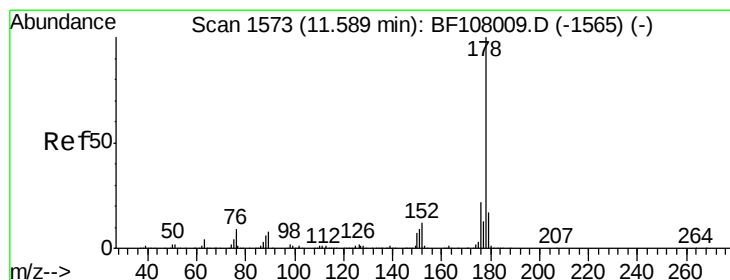
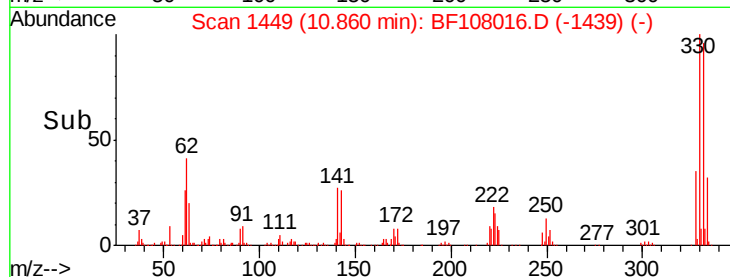
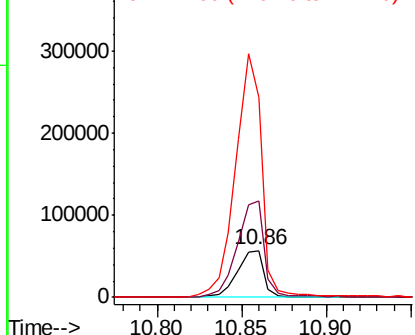
#66
4-Bromophenyl-phenylether
Concen: 4.485 ng
RT: 10.86 min Scan# 1449
Delta R.T. -0.24 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

Instrument :
BNA_F
ClientSampleId :
PB111180BL

Tgt Ion:248 Resp: 63259
Ion Ratio Lower Upper
248 100
250 206.3 76.9 115.3#
141 429.2 74.4 111.6#

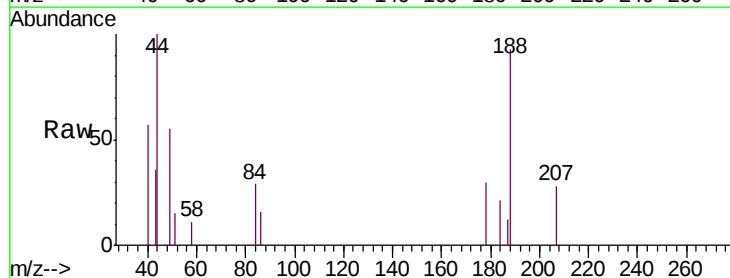


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

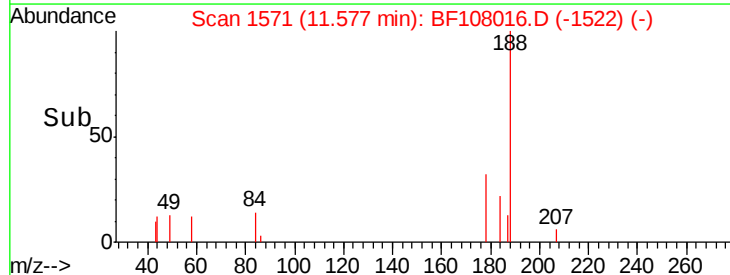
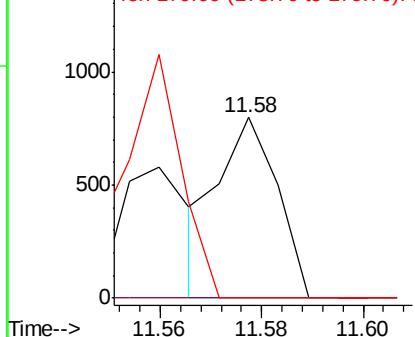


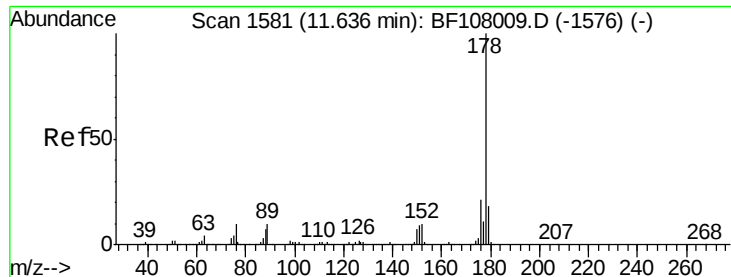
#70
Phenanthrene
Concen: 0.010 ng
RT: 11.58 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

Tgt Ion:178 Resp: 636
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: 0.010 ng

RT: 11.58 min Scan# 1571

Delta R.T. -0.06 min

Lab File: BF108016.D

Acq: 8 Aug 2018 13:40

Instrument :

BNA_F

ClientSampleId :

PB111180BL

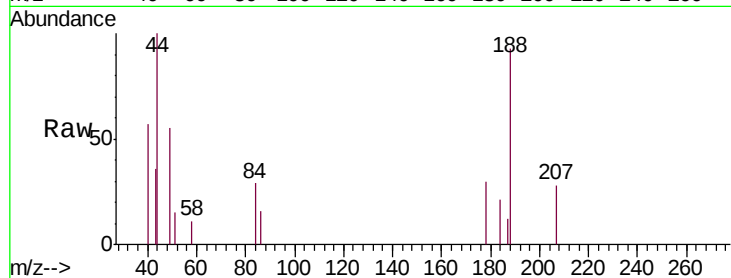
Tgt Ion:178 Resp: 636

Ion Ratio Lower Upper

178 100

176 0.0 15.4 23.2#

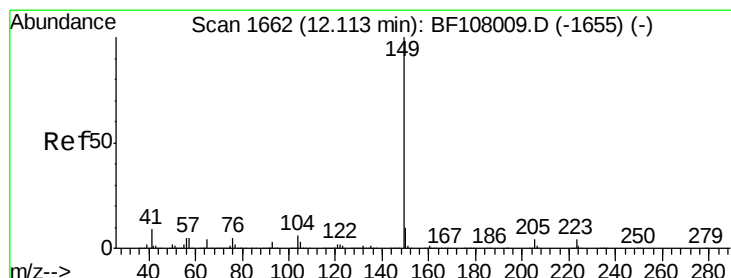
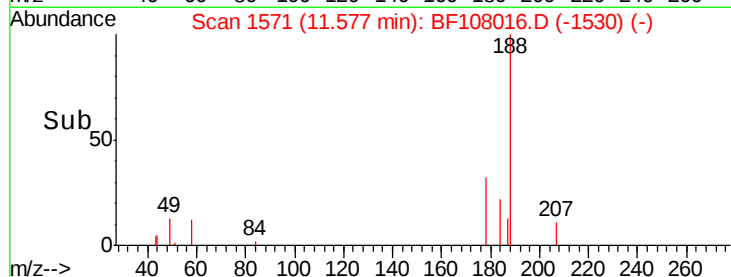
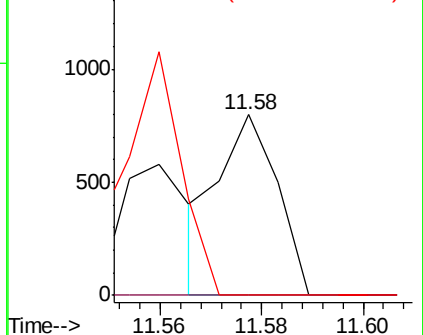
179 0.0 12.6 19.0#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Di-n-butylphthalate

Concen: 0.017 ng

RT: 12.11 min Scan# 1661

Delta R.T. -0.01 min

Lab File: BF108016.D

Acq: 8 Aug 2018 13:40

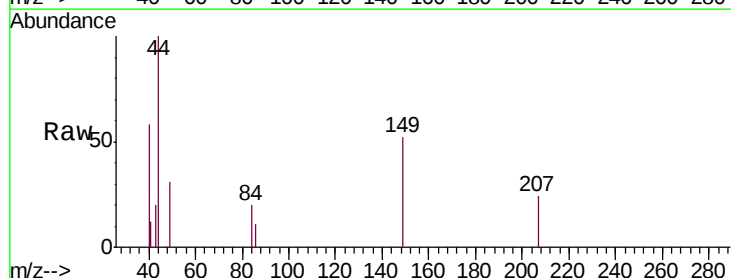
Tgt Ion:149 Resp: 1066

Ion Ratio Lower Upper

149 100

150 0.0 7.8 11.6#

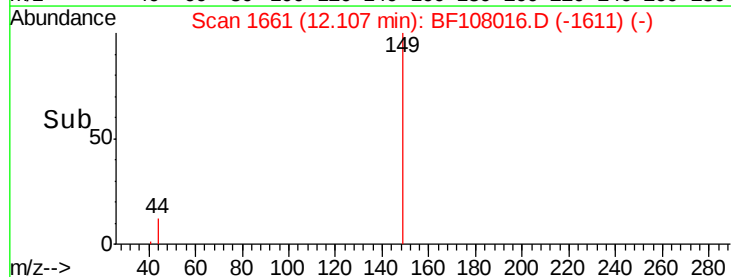
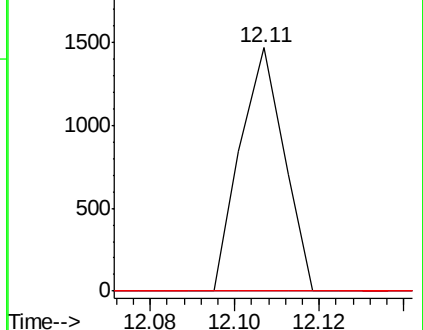
104 0.0 3.8 5.8#

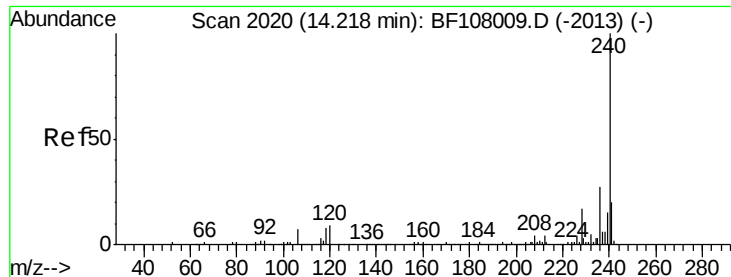


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.21 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF108016.D

Acq: 8 Aug 2018 13:40

Instrument :

BNA_F

ClientSampleId :

PB111180BL

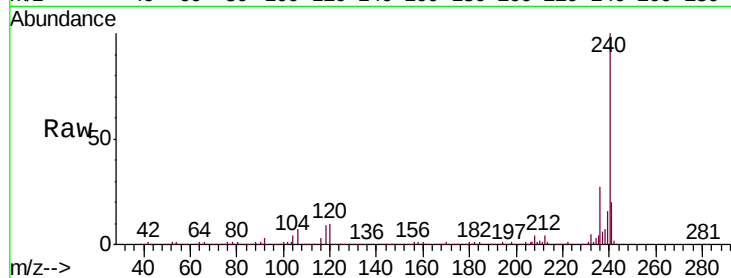
Tgt Ion:240 Resp: 1149661

Ion Ratio Lower Upper

240 100

120 9.7 9.5 14.3

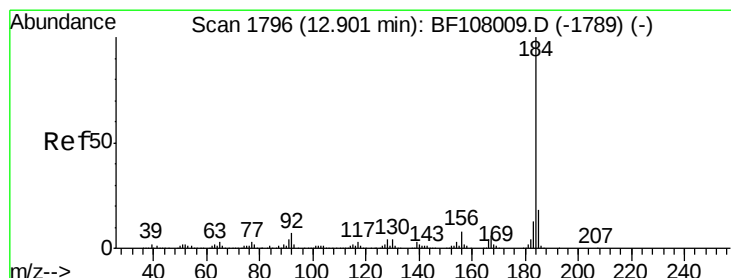
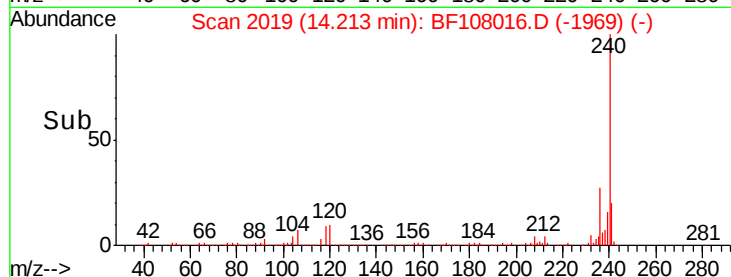
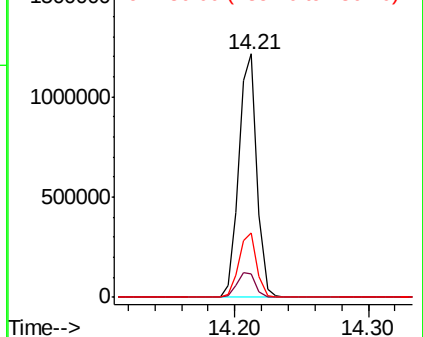
236 26.7 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 1.553 ng

RT: 13.15 min Scan# 1839

Delta R.T. 0.25 min

Lab File: BF108016.D

Acq: 8 Aug 2018 13:40

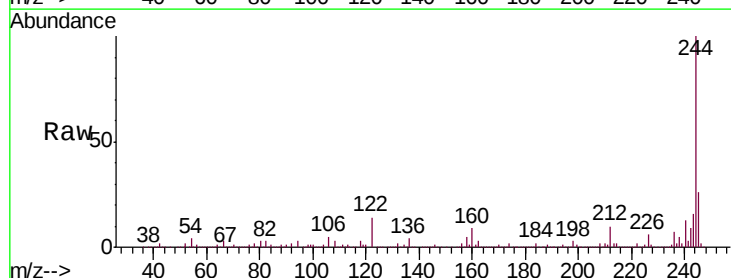
Tgt Ion:184 Resp: 66687

Ion Ratio Lower Upper

184 100

185 16.3 12.6 18.8

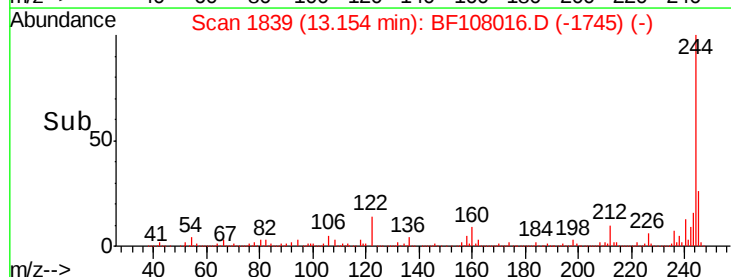
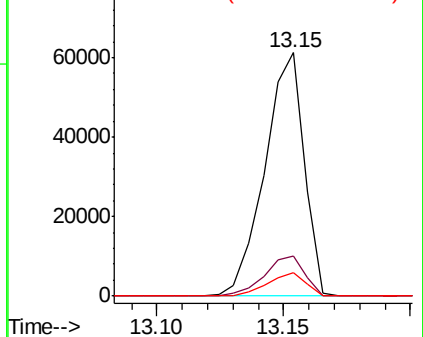
183 9.7 9.3 13.9

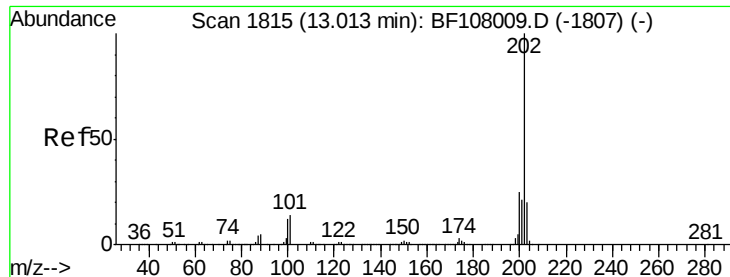


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 0.213 ng

RT: 13.15 min Scan# 1839

Delta R.T. 0.14 min

Lab File: BF108016.D

Acq: 8 Aug 2018 13:40

Instrument :

BNA_F

ClientSampleId :

PB111180BL

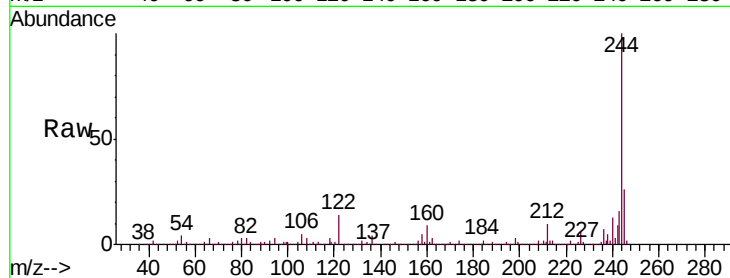
Tgt Ion:202 Resp: 15469

Ion Ratio Lower Upper

202 100

200 48.9 17.4 26.2#

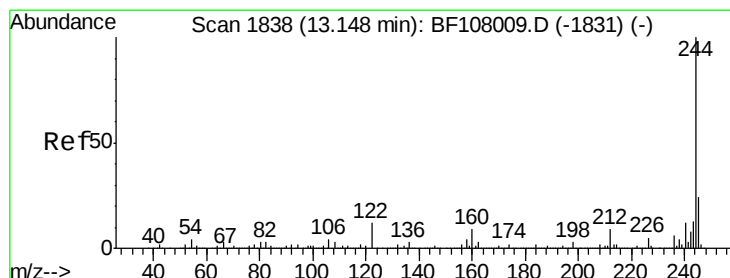
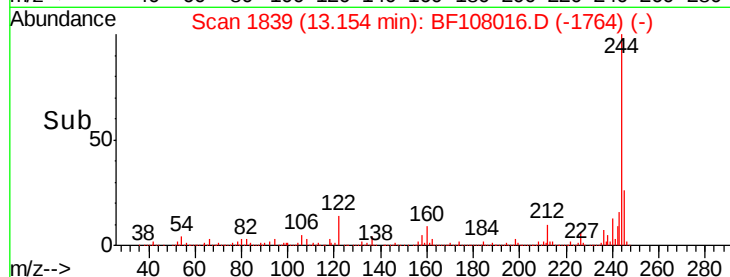
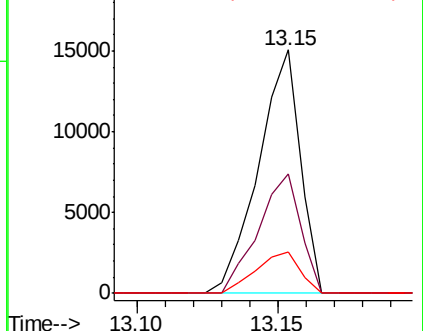
203 16.8 14.3 21.5



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: 92.281 ng

RT: 13.15 min Scan# 1839

Delta R.T. 0.01 min

Lab File: BF108016.D

Acq: 8 Aug 2018 13:40

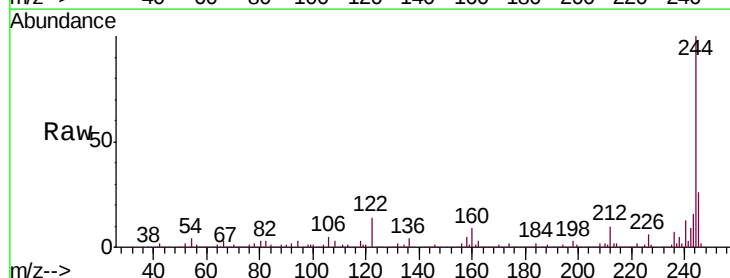
Tgt Ion:244 Resp: 4172622

Ion Ratio Lower Upper

244 100

212 9.8 5.4 8.0#

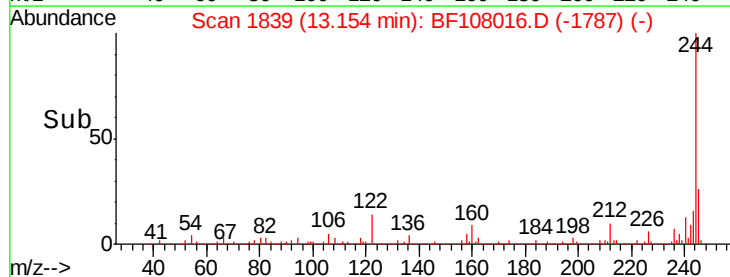
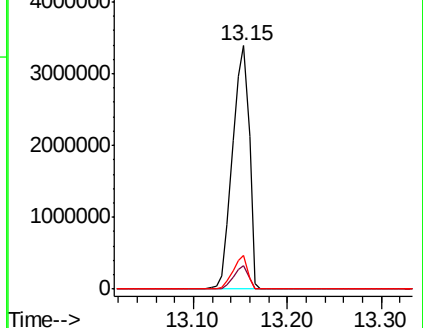
122 13.8 11.0 16.4

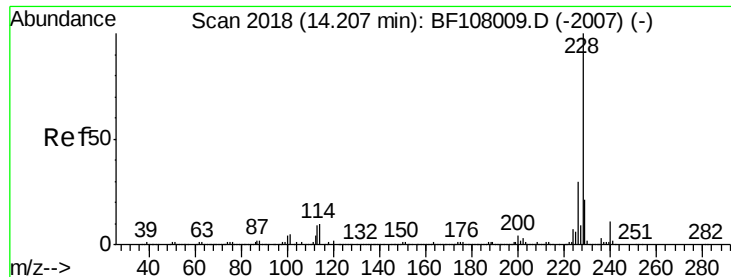


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 0.048 ng

RT: 14.21 min Scan# 2018

Delta R.T. 0.00 min

Lab File: BF108016.D

Acq: 8 Aug 2018 13:40

Instrument :

BNA_F

ClientSampleId :

PB111180BL

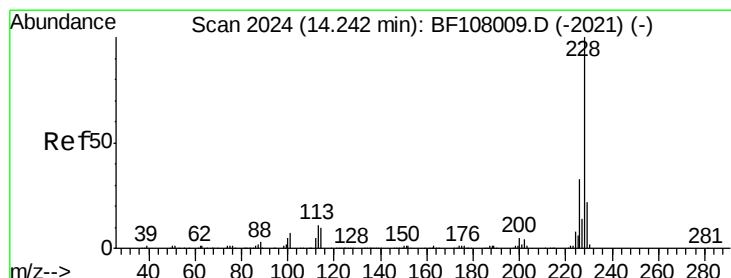
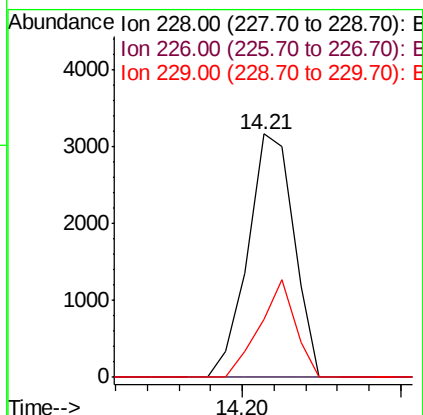
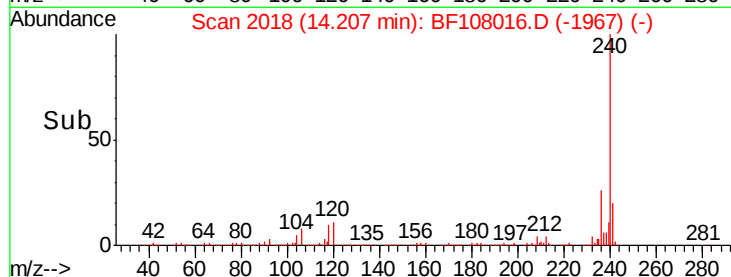
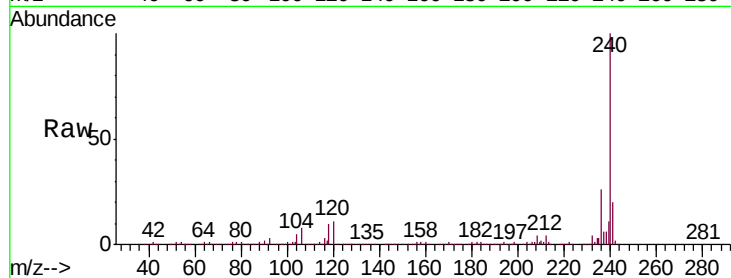
Tgt Ion:228 Resp: 3196

Ion Ratio Lower Upper

228 100

226 0.0 22.6 33.8#

229 23.7 15.8 23.6#



#82

Chrysene

Concen: 0.053 ng

RT: 14.21 min Scan# 2018

Delta R.T. -0.04 min

Lab File: BF108016.D

Acq: 8 Aug 2018 13:40

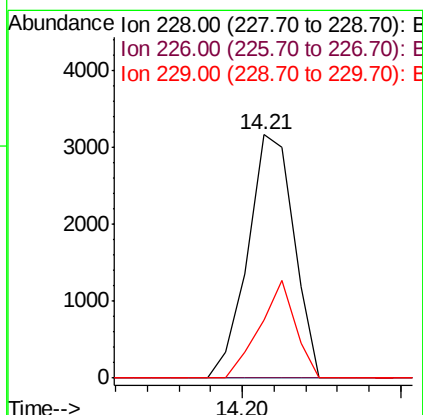
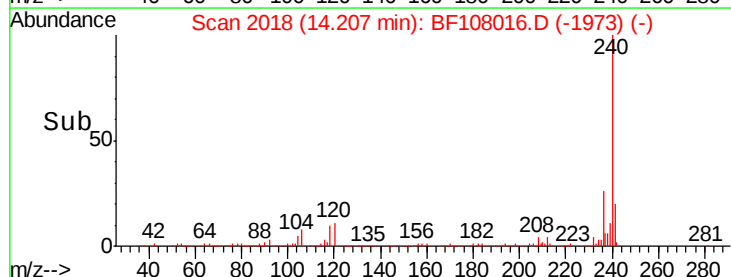
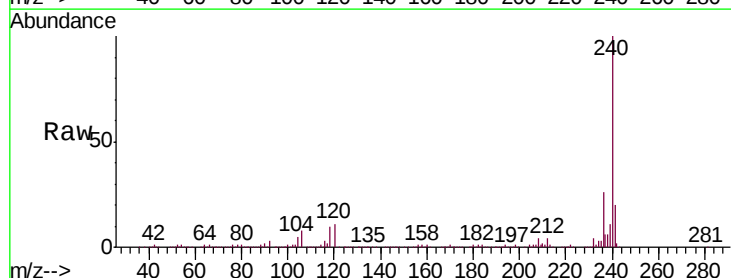
Tgt Ion:228 Resp: 3196

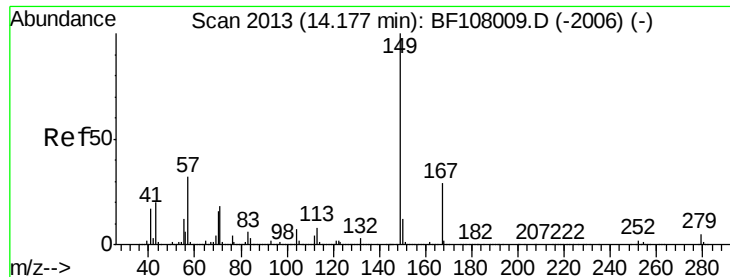
Ion Ratio Lower Upper

228 100

226 0.0 25.0 37.6#

229 23.7 16.2 24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 0.012 ng

RT: 14.07 min Scan# 1994

Delta R.T. -0.11 min

Lab File: BF108016.D

Acq: 8 Aug 2018 13:40

Instrument :

BNA_F

ClientSampleId :

PB111180BL

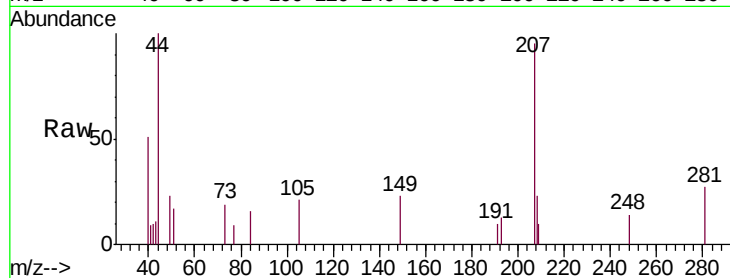
Tgt Ion:149 Resp: 470

Ion Ratio Lower Upper

149 100

167 0.0 21.3 31.9#

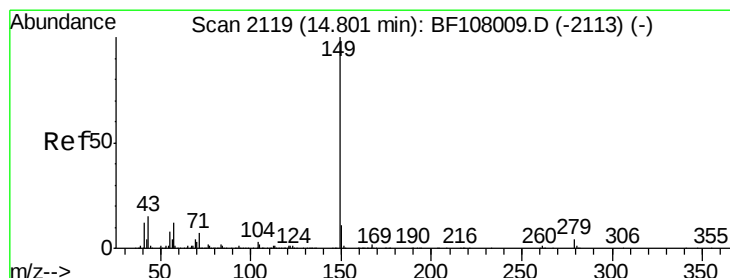
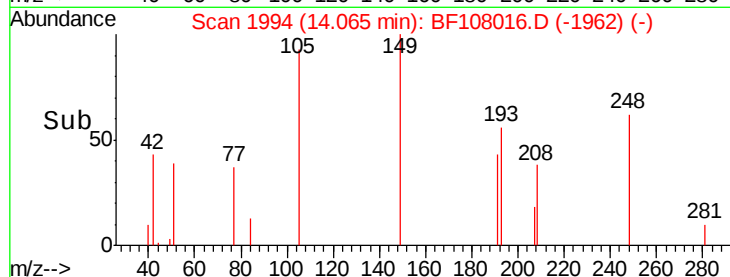
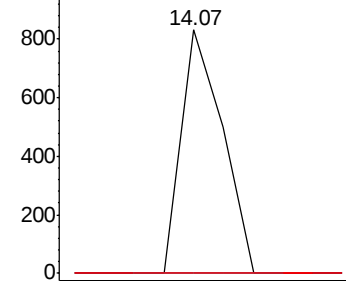
279 0.0 3.0 4.4#



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



#84

Di-n-octyl phthalate

Concen: 0.002 ng

RT: 14.92 min Scan# 2139

Delta R.T. 0.12 min

Lab File: BF108016.D

Acq: 8 Aug 2018 13:40

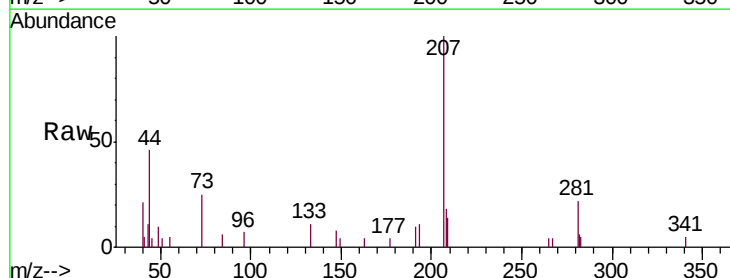
Tgt Ion:149 Resp: 120

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

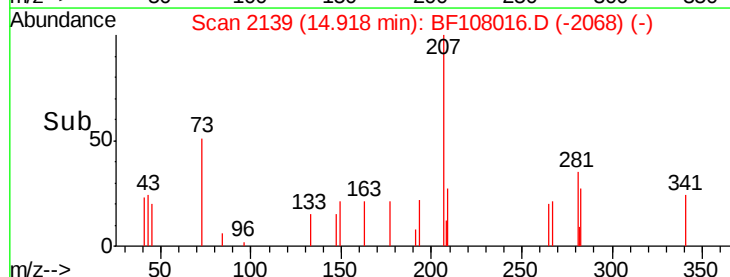
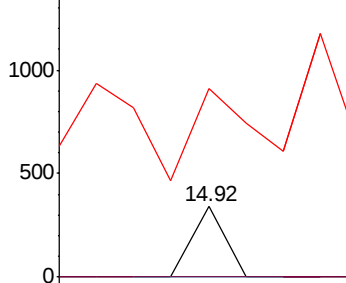
43 382.5 8.4 12.6#

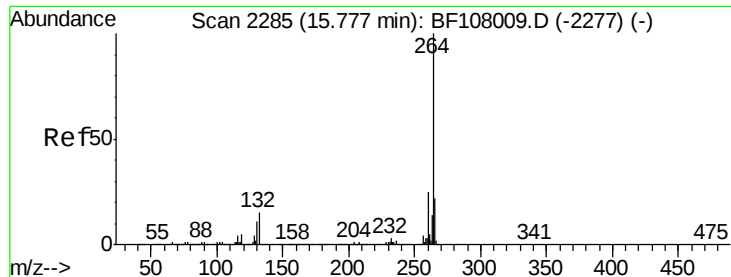


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

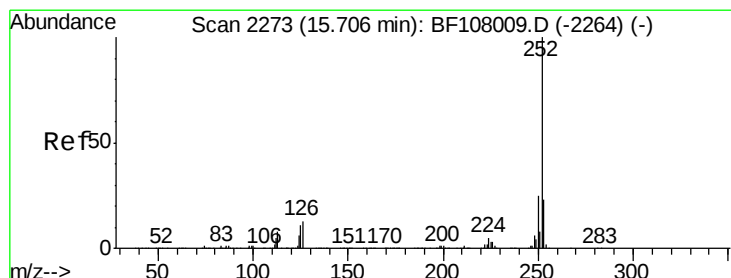
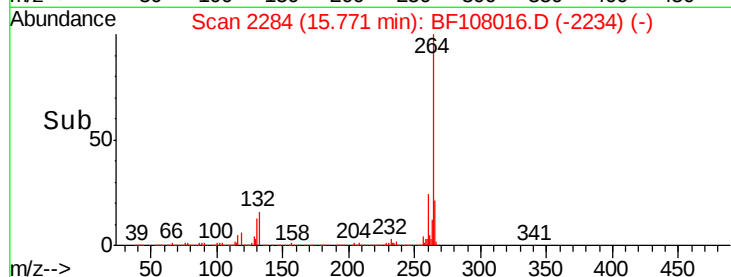
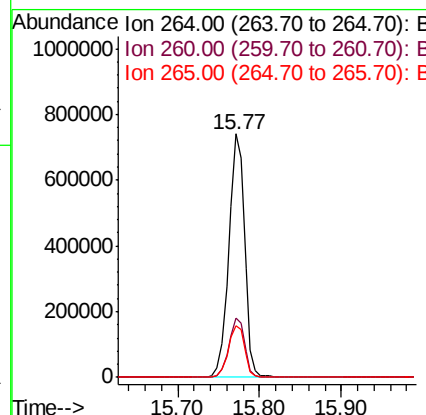
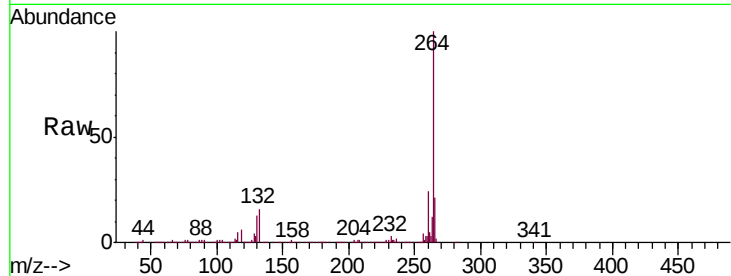




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.77 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

Instrument :
BNA_F
ClientSampleId :
PB111180BL

Tgt Ion: 264 Resp: 991020
Ion Ratio Lower Upper
264 100
260 24.4 19.2 28.8
265 21.4 17.5 26.3



#89
Benzo(a)pyrene
Concen: 0.064 ng
RT: 15.77 min Scan# 2284
Delta R.T. 0.06 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

Tgt Ion: 252 Resp: 3382
Ion Ratio Lower Upper
252 100
253 41.6 17.1 25.7#
125 19.7 9.8 14.6#

