

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082218\
 Data File : BF108407.D
 Acq On : 23 Aug 2018 3:59
 Operator : JU/SJ
 Sample : J4586-02 10X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 23 07:59:30 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 22 11:01:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	134689	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	496090	20.00	ng	0.00
38) Acenaphthene-d10	10.05	164	231468	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	356075	20.00	ng	0.00
75) Chrysene-d12	14.21	240	236802	20.00	ng	0.00
86) Perylene-d12	15.78	264	197718	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	39220	5.27	ng	-0.01
7) Phenol-d6	6.61	99	58420	5.91	ng	-0.02
23) Nitrobenzene-d5	7.69	82	3901	0.44	ng	0.12
41) 2,4,6-Tribromophenol	10.84	330	9696	4.20	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	70436	4.89	ng	-0.01
78) Terphenyl-d14	13.12	244	45471	4.88	ng	0.00

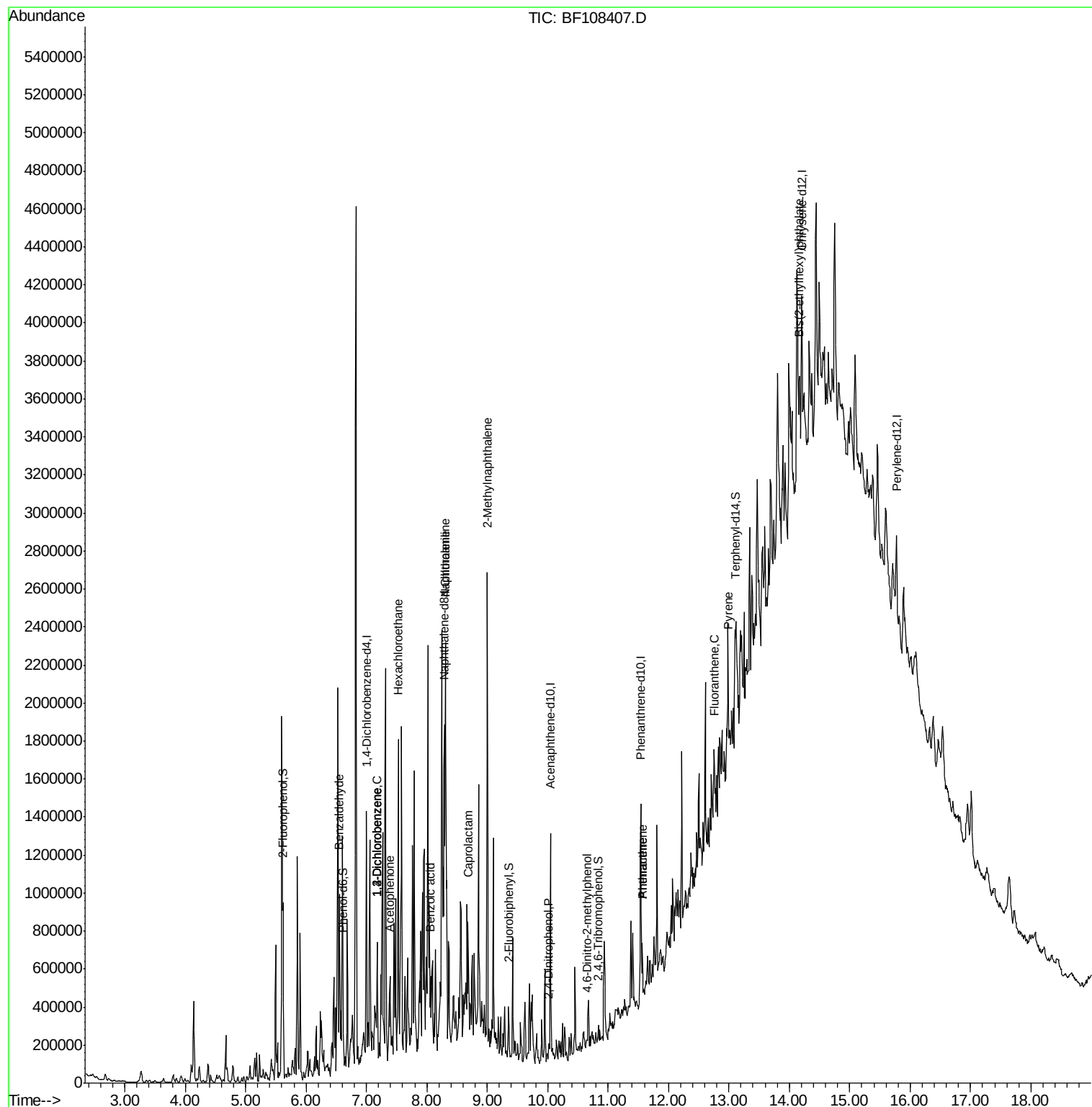
Target Compounds				Qvalue		
9) Benzaldehyde	6.55	77	32958	4.300	ng	# 1
12) 1,3-Dichlorobenzene	7.17	146	27378	2.826	ng	94
13) 1,4-Dichlorobenzene	7.17	146	27378	2.813	ng	95
14) 1,2-Dichlorobenzene	7.17	146	27378	3.024	ng	97
18) Hexachloroethane	7.53	117	87361	25.209	ng	# 1
22) Acetophenone	7.39	105	125720	10.838	ng	# 60
31) Naphthalene	8.31	128	754875	33.459	ng	99
32) Benzoic acid	8.06	122	4601	6.897	ng	# 32
33) 4-Chloroaniline	8.31	127	107463	10.930	ng	# 35
35) Caprolactam	8.69	113	8564	3.949	ng	# 1
37) 2-Methylnaphthalene	9.00	142	571998	35.834	ng	97
53) 2,4-Dinitrophenol	10.01	184	150	7.129	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.64	198	372	5.606	ng	# 1
70) Phenanthrene	11.57	178	86890	5.174	ng	97
71) Anthracene	11.57	178	86890	5.048	ng	97
74) Fluoranthene	12.77	202	41492	2.264	ng	88
77) Pyrene	12.99	202	64001	4.269	ng	# 94
83) Bis(2-ethylhexyl)phthalate	14.15	149	16581	2.057	ng	# 67

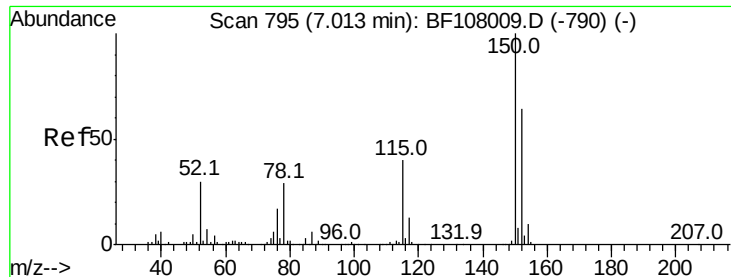
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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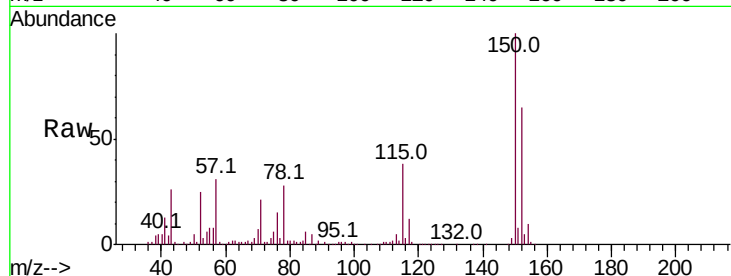


#1

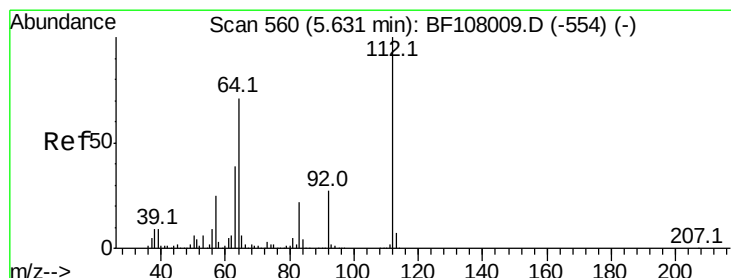
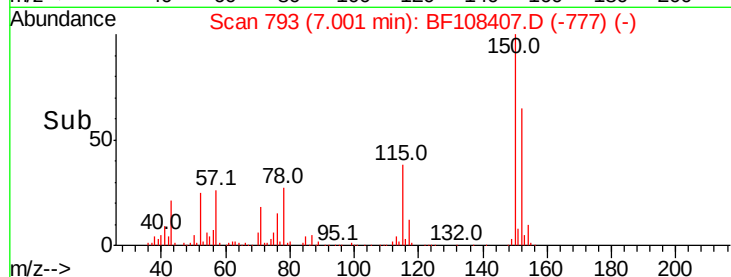
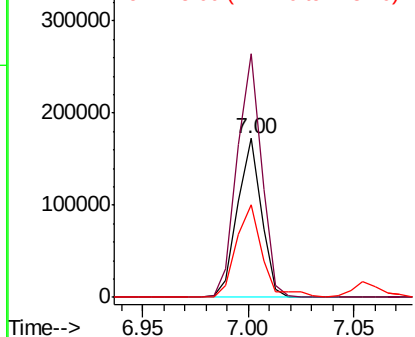
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108407.D
Acq: 23 Aug 2018 3:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 134689
Ion Ratio Lower Upper
152 100
150 153.5 124.6 186.8
115 58.7 50.1 75.1



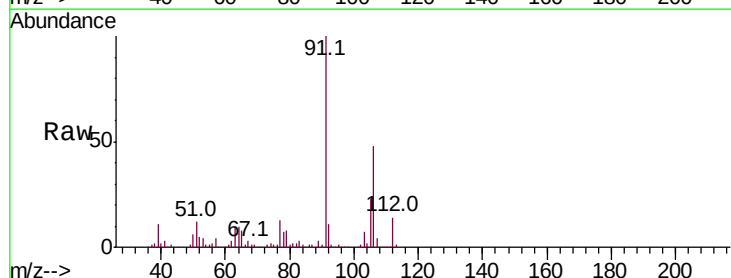
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



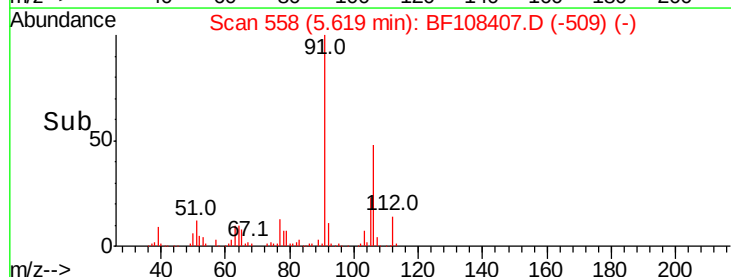
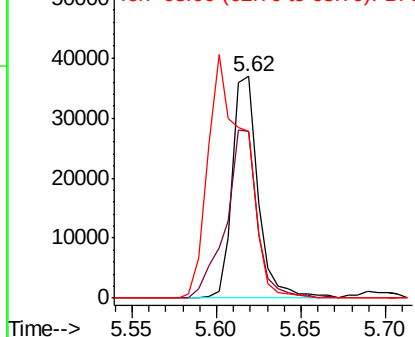
#5

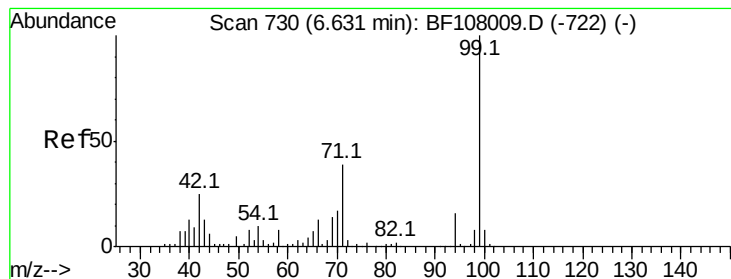
2-Fluorophenol
Concen: 5.272 ng
RT: 5.62 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF108407.D
Acq: 23 Aug 2018 3:59

Tgt Ion:112 Resp: 39220
Ion Ratio Lower Upper
112 100
64 75.3 47.9 71.9#
63 75.4 23.7 35.5#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 5.909 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108407.D

Acq: 23 Aug 2018 3:59

Instrument :

BNA_F

ClientSampleId :

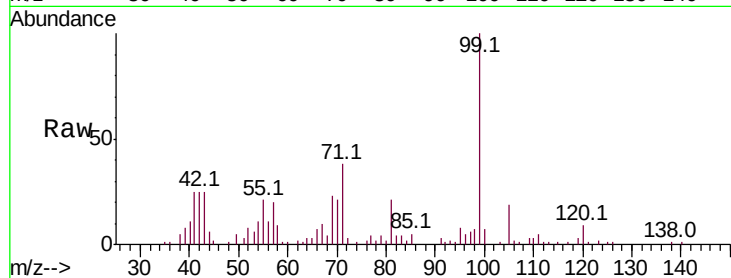
Tot Ion: 99 Resp: 58420

Ion Ratio Lower Upper

99 100

42 25.4 14.5 21.7#

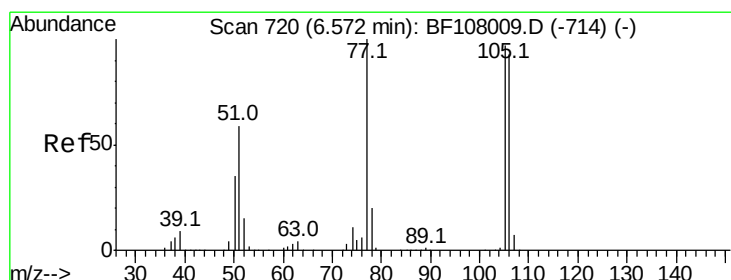
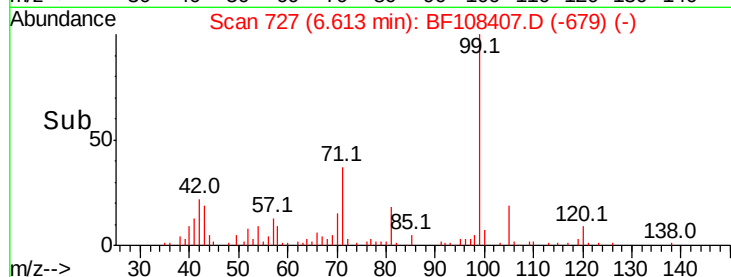
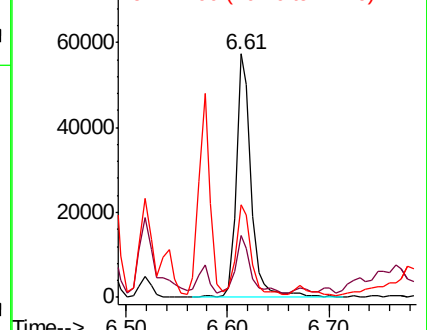
71 38.0 25.4 38.0



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



#9

Benzaldehyde

Concen: 4.300 ng

RT: 6.55 min Scan# 717

Delta R.T. -0.01 min

Lab File: BF108407.D

Acq: 23 Aug 2018 3:59

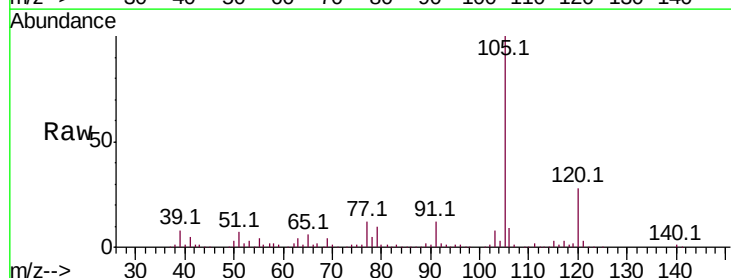
Tgt Ion: 77 Resp: 32958

Ion Ratio Lower Upper

77 100

105 830.7 81.1 121.1#

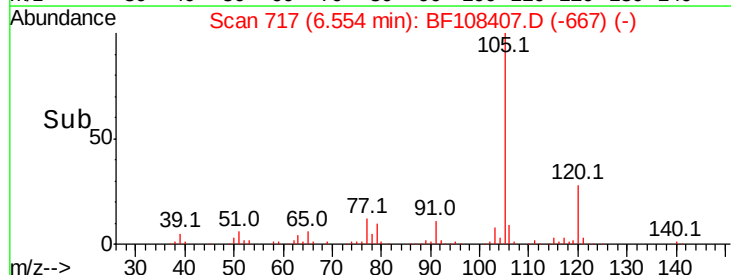
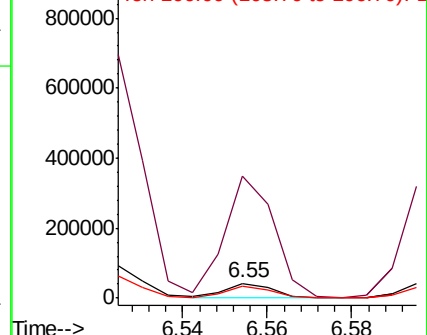
106 78.0 74.5 114.5

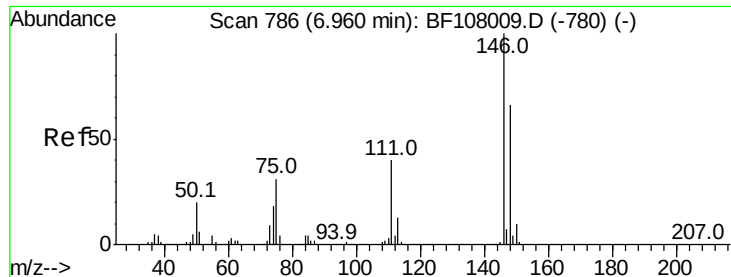


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#12

1,3-Dichlorobenzene

Concen: 2.826 ng

RT: 7.17 min Scan# 822

Delta R.T. 0.22 min

Lab File: BF108407.D

Acq: 23 Aug 2018 3:59

Instrument :

BNA_F

ClientSampled :

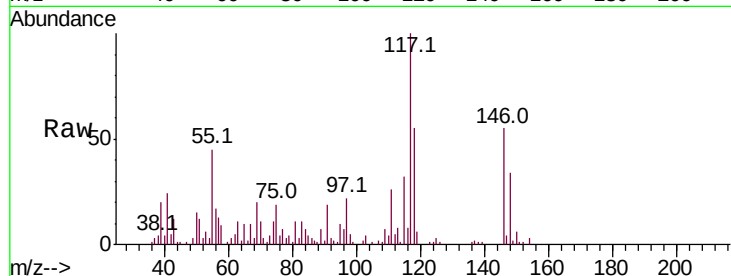
Tot Ion:146 Resp: 27378

Ion Ratio Lower Upper

146 100

148 60.4 51.8 77.8

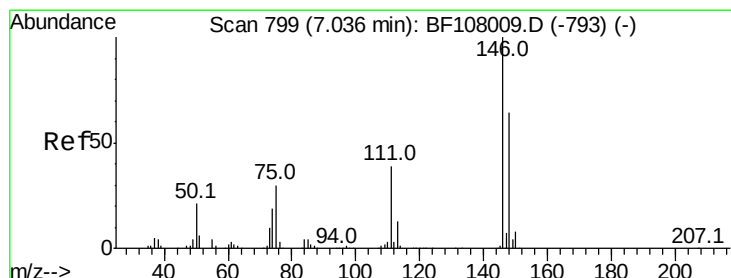
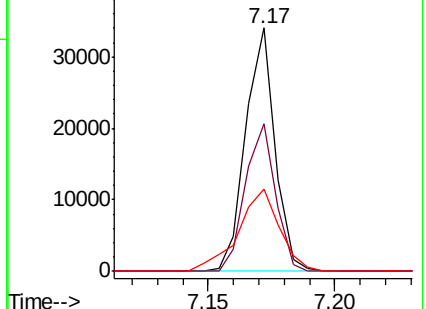
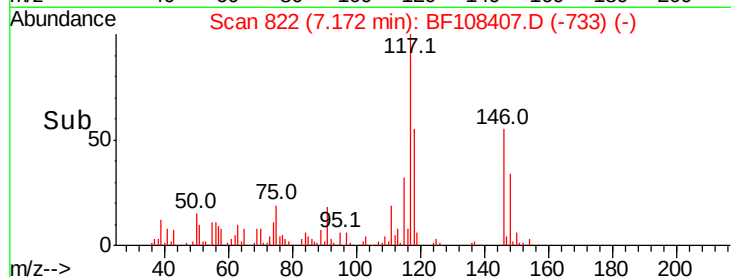
75 34.0 24.2 36.4



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: 2.813 ng

RT: 7.17 min Scan# 822

Delta R.T. 0.15 min

Lab File: BF108407.D

Acq: 23 Aug 2018 3:59

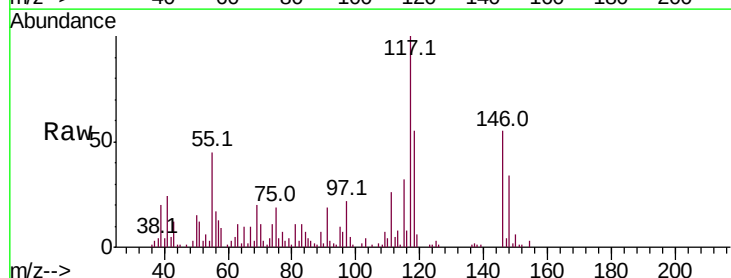
Tgt Ion:146 Resp: 27378

Ion Ratio Lower Upper

146 100

148 60.4 50.8 76.2

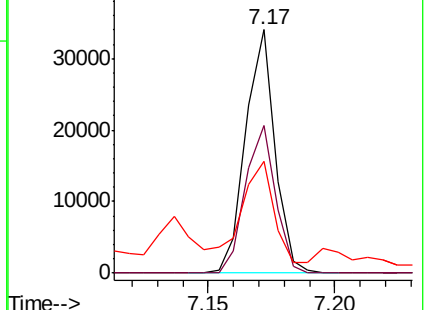
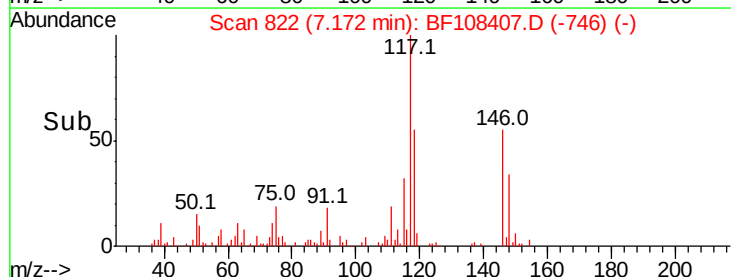
111 46.2 34.2 51.2

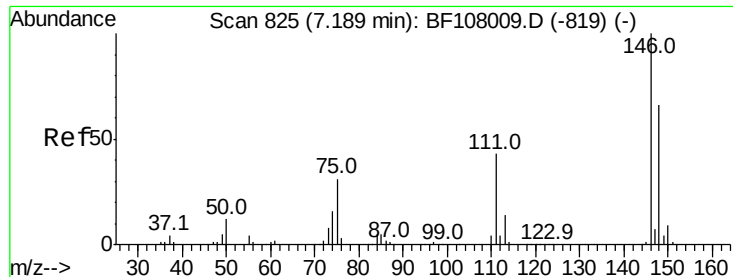


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

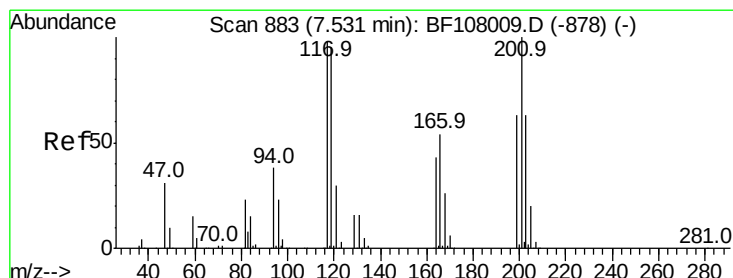
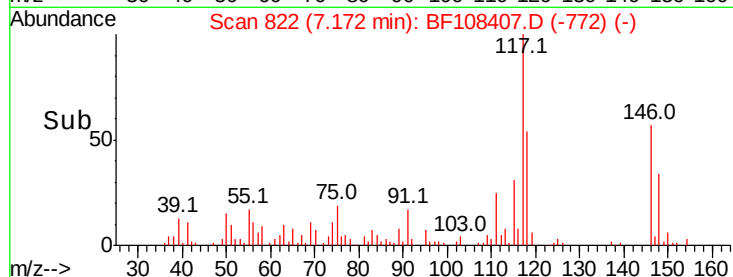
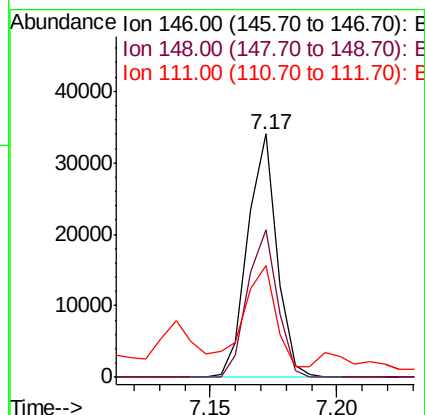
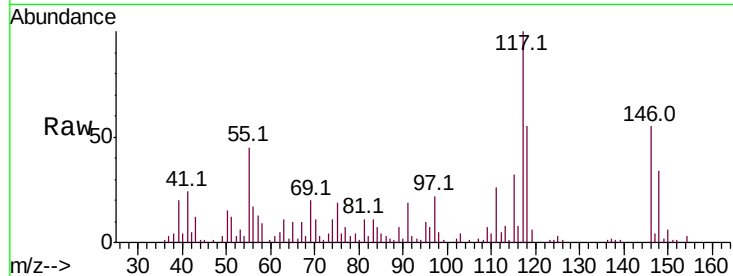




#14
 1,2-Dichlorobenzene
 Concen: 3.024 ng
 RT: 7.17 min Scan# 822
 Delta R.T. -0.01 min
 Lab File: BF108407.D
 Acq: 23 Aug 2018 3:59

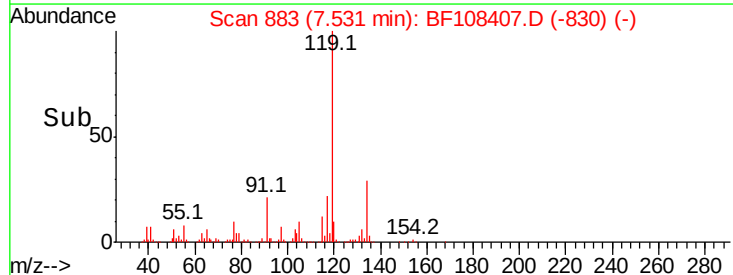
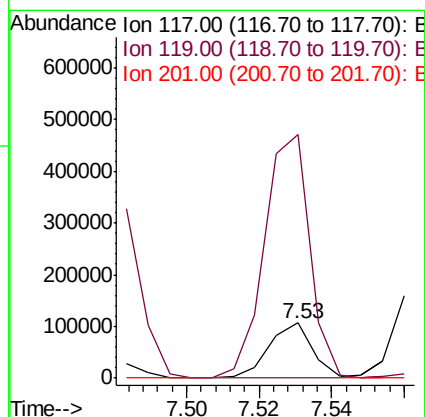
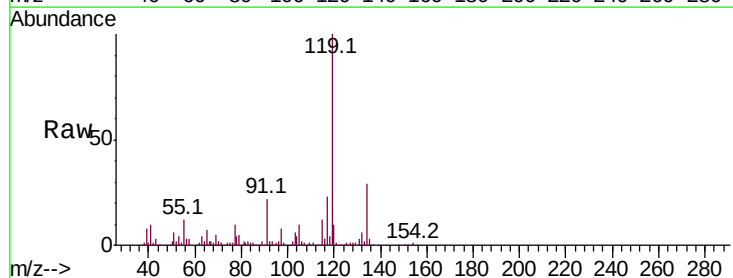
Instrument :
 BNA_F
 ClientSampleId :

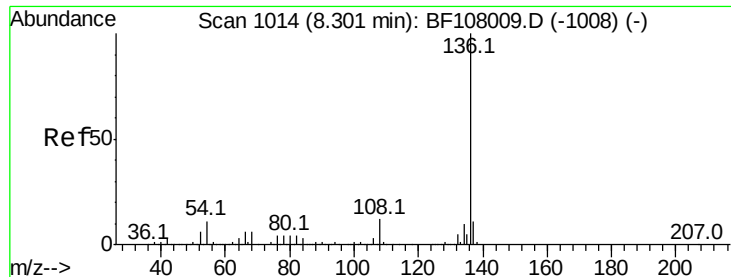
Tot Ion:146 Resp: 27378
 Ion Ratio Lower Upper
 146 100
 148 60.4 50.6 75.8
 111 46.2 36.0 54.0



#18
 Hexachloroethane
 Concen: 25.209 ng
 RT: 7.53 min Scan# 883
 Delta R.T. 0.01 min
 Lab File: BF108407.D
 Acq: 23 Aug 2018 3:59

Tgt Ion:117 Resp: 87361
 Ion Ratio Lower Upper
 117 100
 119 442.6 75.8 113.8#
 201 0.0 75.7 113.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.28 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF108407.D

Acq: 23 Aug 2018 3:59

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 496090

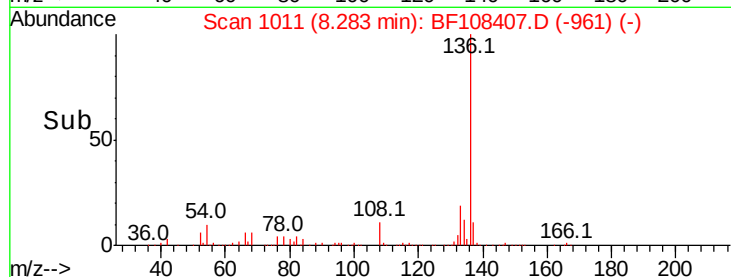
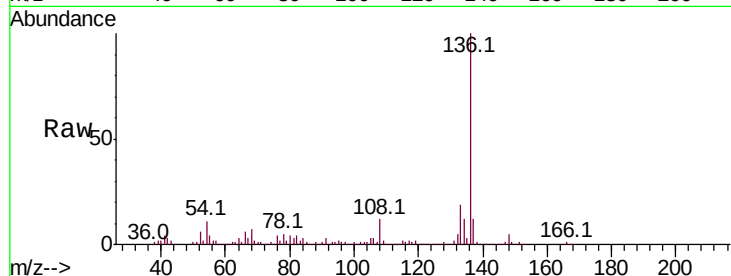
Ion Ratio Lower Upper

136 100

137 11.6 8.9 13.3

54 10.6 6.6 9.8#

68 6.8 5.0 7.4

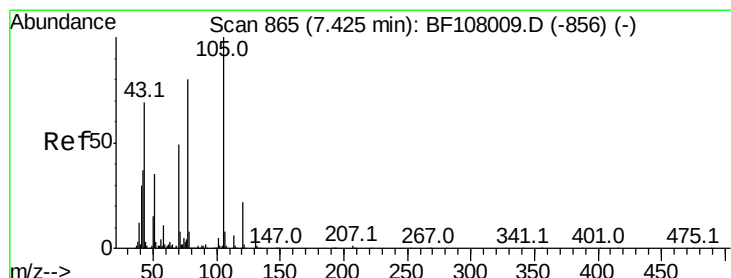
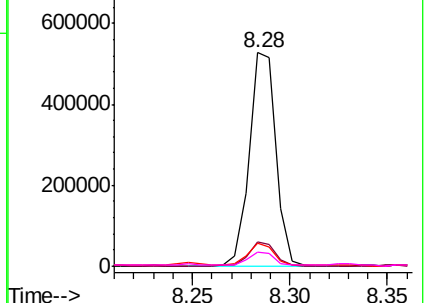


Abundance Ion 136.00 (135.70 to 136.70): E

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: 10.838 ng

RT: 7.39 min Scan# 859

Delta R.T. -0.02 min

Lab File: BF108407.D

Acq: 23 Aug 2018 3:59

Tgt Ion:105 Resp: 125720

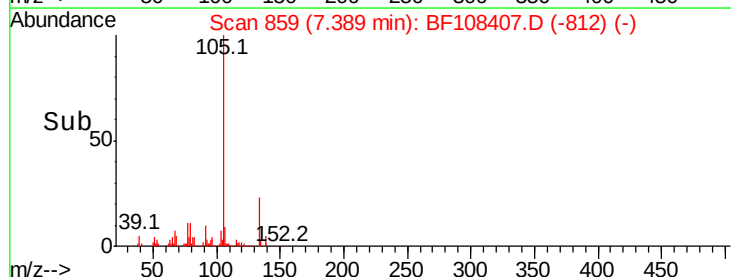
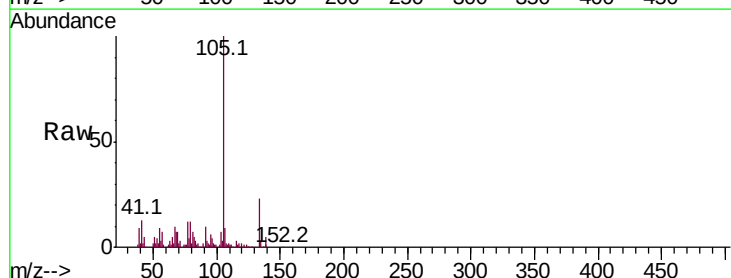
Ion Ratio Lower Upper

105 100

71 2.6 4.4 6.6#

51 5.0 22.3 33.5#

120 0.4 16.9 25.3#

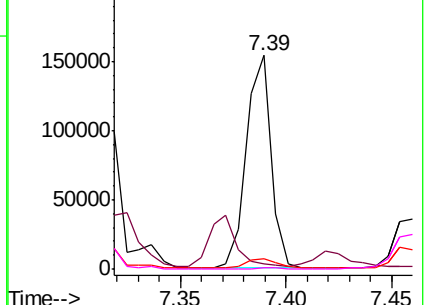


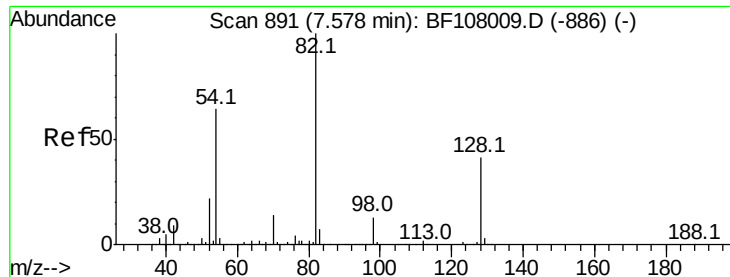
Abundance Ion 105.00 (104.70 to 105.70): E

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

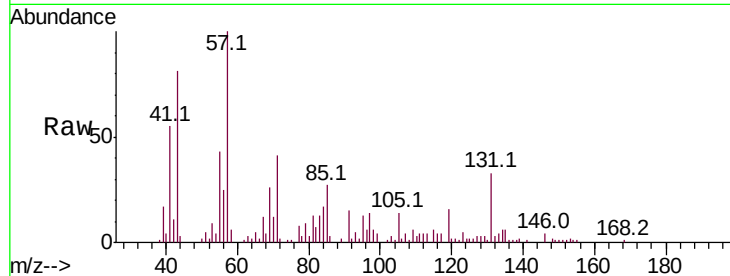




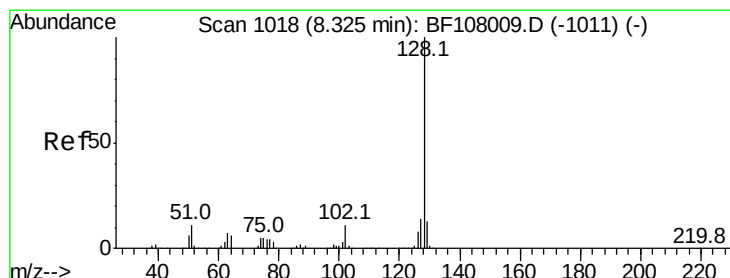
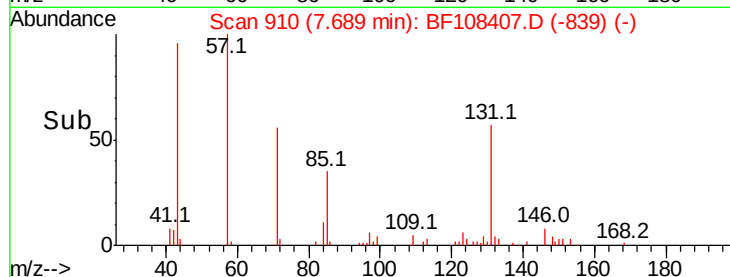
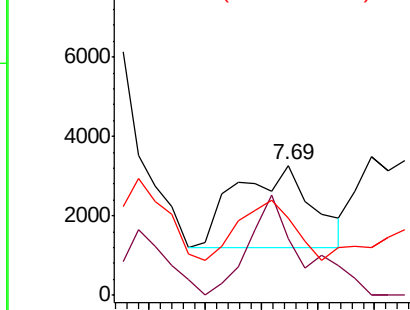
#23
 Nitrobenzene-d5
 Concen: 0.439 ng
 RT: 7.69 min Scan# 910
 Delta R.T. 0.12 min
 Lab File: BF108407.D
 Acq: 23 Aug 2018 3:59

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.6	36.1	54.1
54	59.8	41.4	62.2

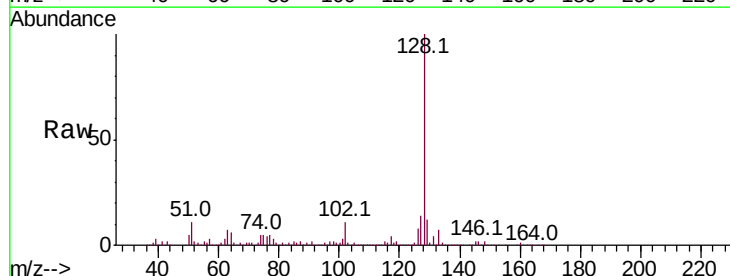


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

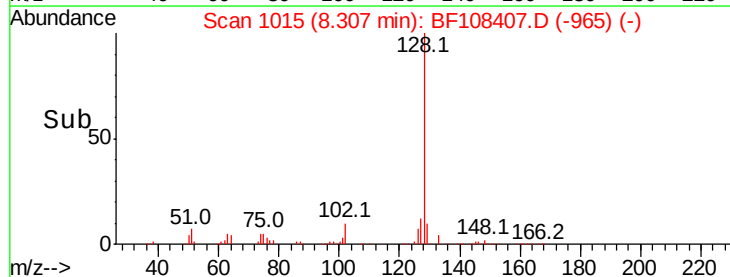
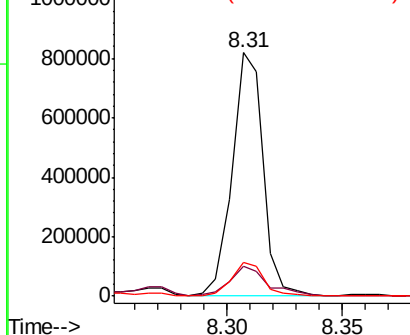


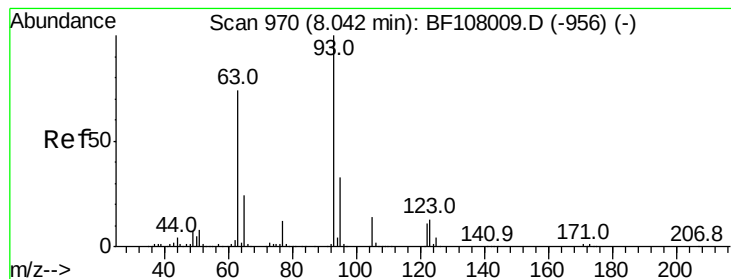
#31
 Naphthalene
 Concen: 33.459 ng
 RT: 8.31 min Scan# 1015
 Delta R.T. -0.01 min
 Lab File: BF108407.D
 Acq: 23 Aug 2018 3:59

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.1	8.8	13.2
127	13.7	10.9	16.3



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 6.897 ng

RT: 8.06 min Scan# 973

Delta R.T. 0.02 min

Lab File: BF108407.D

Acq: 23 Aug 2018 3:59

Instrument :

BNA_F

ClientSampleId :

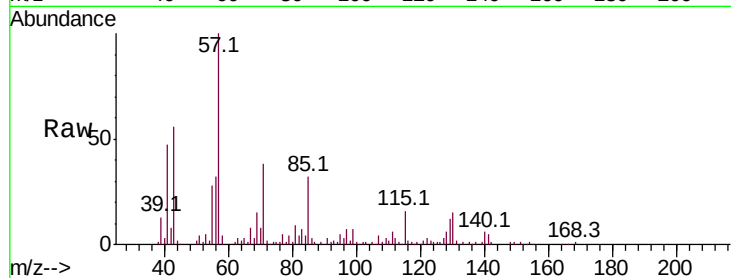
Tot Ion:122 Resp: 4601

Ion Ratio Lower Upper

122 100

105 41.1 101.1 141.1#

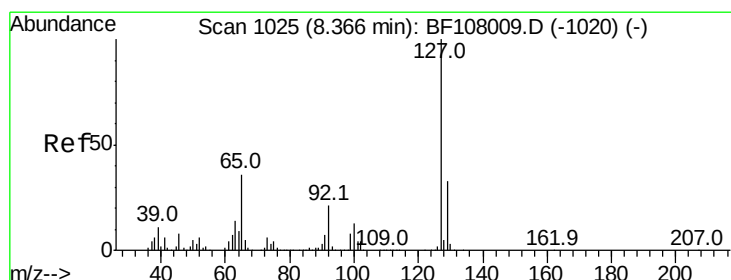
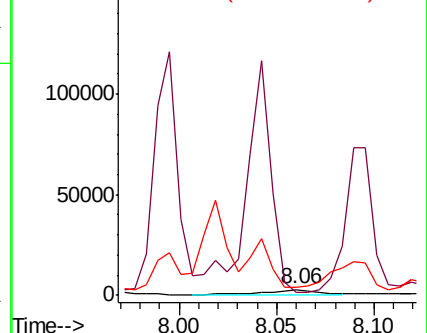
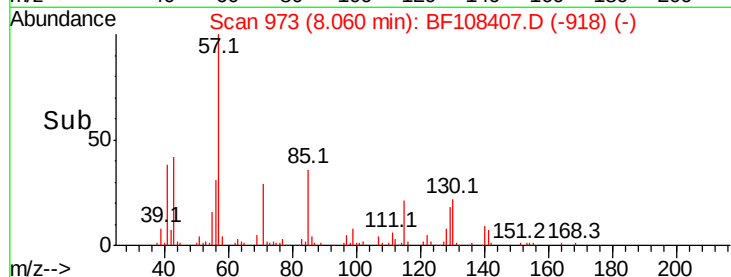
77 150.7 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#33

4-Chloroaniline

Concen: 10.930 ng

RT: 8.31 min Scan# 1015

Delta R.T. -0.05 min

Lab File: BF108407.D

Acq: 23 Aug 2018 3:59

Tgt Ion:127 Resp: 107463

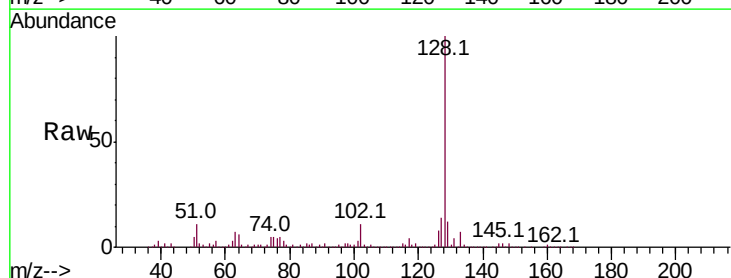
Ion Ratio Lower Upper

127 100

129 88.3 25.9 38.9#

65 6.5 25.0 37.4#

92 1.6 15.2 22.8#

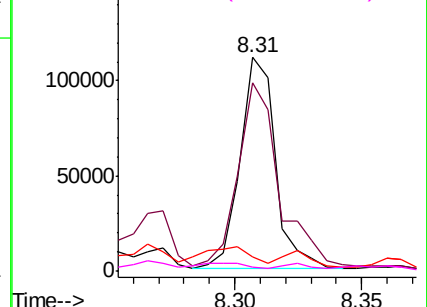
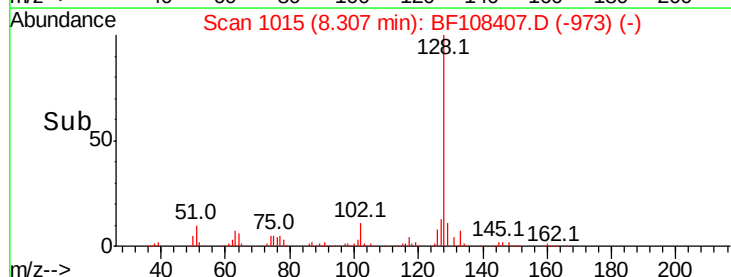


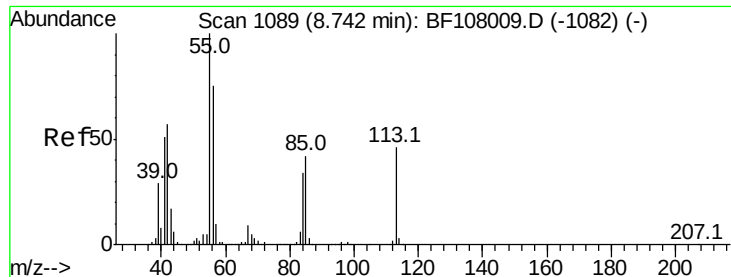
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1





#35

Caprolactam

Concen: 3.949 ng

RT: 8.69 min Scan# 1080

Delta R.T. -0.05 min

Lab File: BF108407.D

Acq: 23 Aug 2018 3:59

Instrument :

BNA_F

ClientSampled :

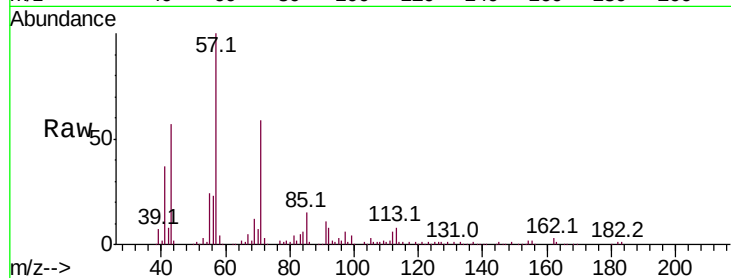
Tot Ion:113 Resp: 8564

Ion Ratio Lower Upper

113 100

55 306.7 163.3 203.3#

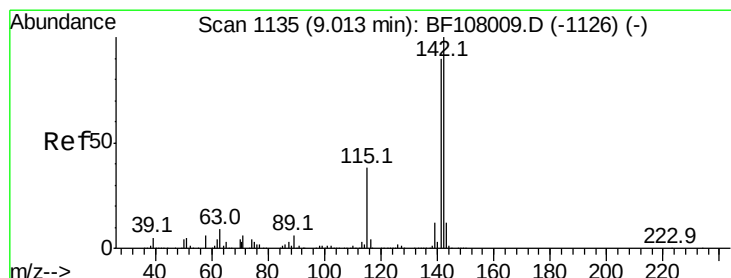
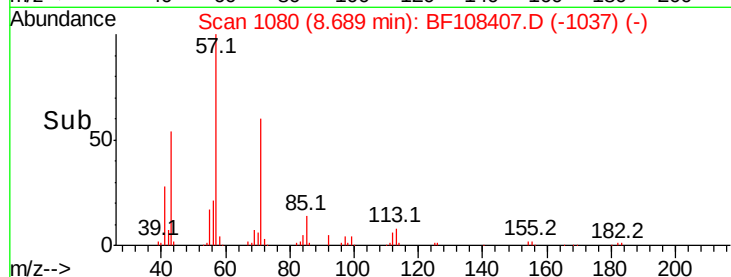
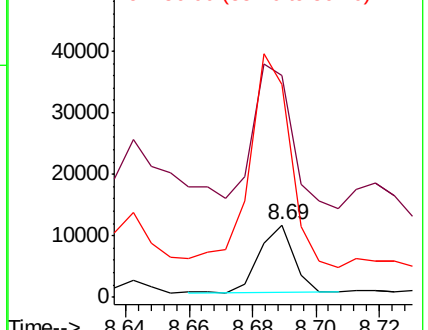
56 294.7 115.7 155.7#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#37

2-Methylnaphthalene

Concen: 35.834 ng

RT: 9.00 min Scan# 1133

Delta R.T. -0.01 min

Lab File: BF108407.D

Acq: 23 Aug 2018 3:59

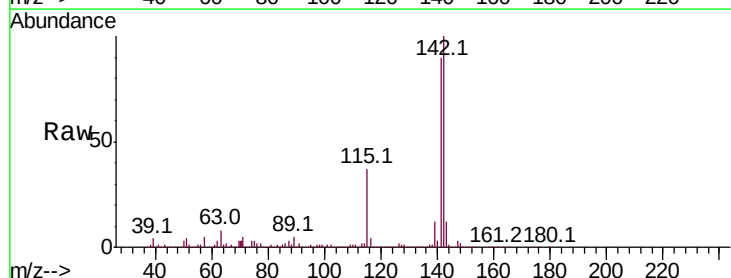
Tgt Ion:142 Resp: 571998

Ion Ratio Lower Upper

142 100

141 90.1 70.8 106.2

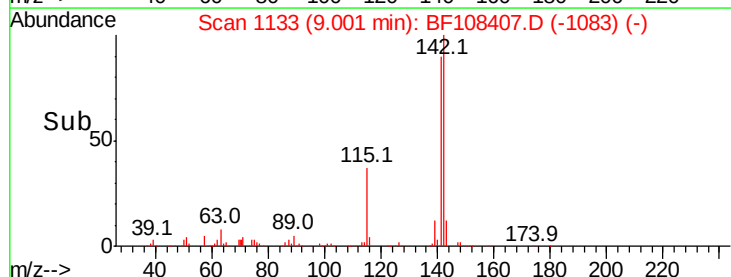
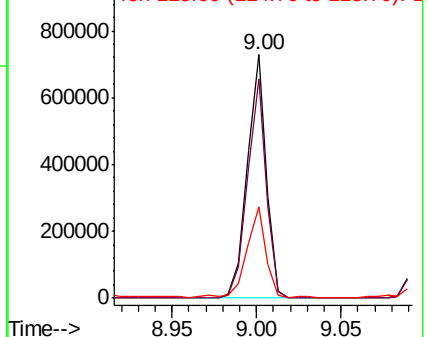
115 37.2 26.1 39.1

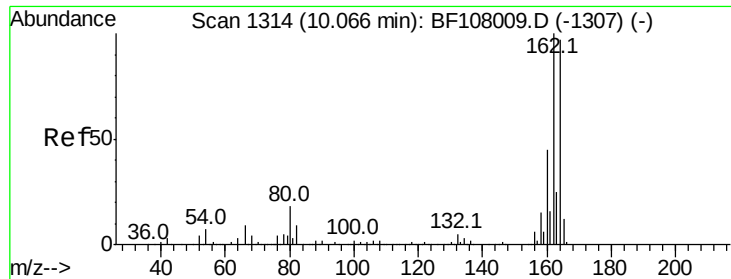


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

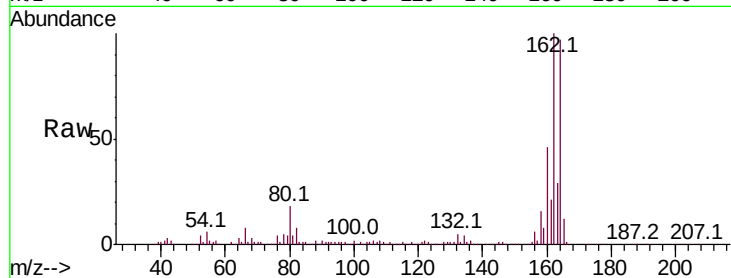




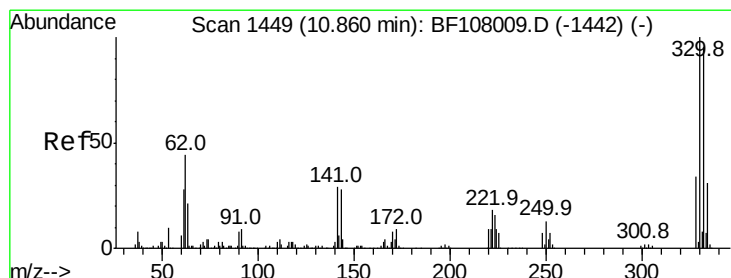
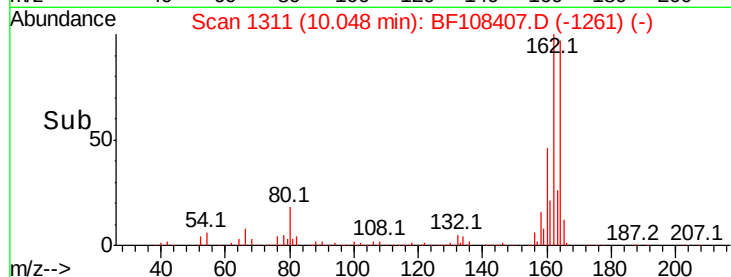
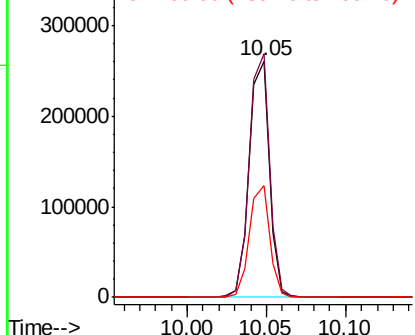
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.05 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF108407.D
Acq: 23 Aug 2018 3:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 231468
Ion Ratio Lower Upper
164 100
162 103.0 86.1 129.1
160 47.4 38.3 57.5

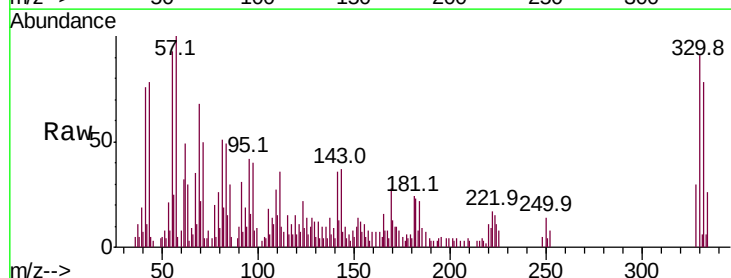


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

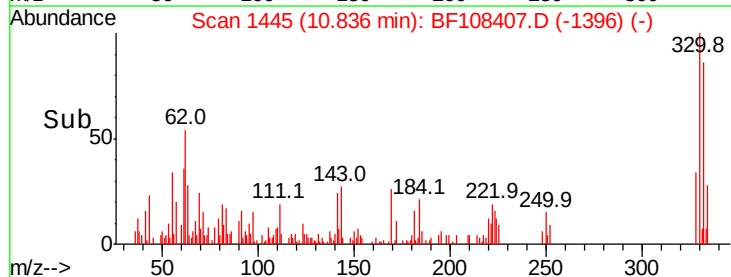
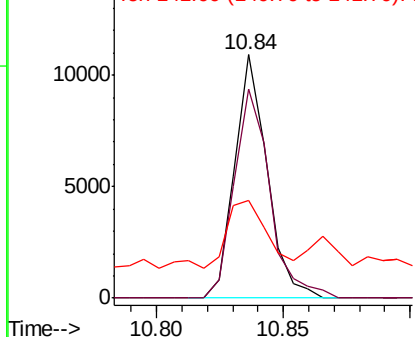


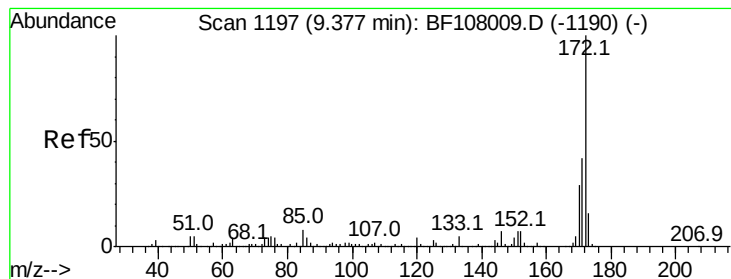
#41
2,4,6-Tribromophenol
Concen: 4.200 ng
RT: 10.84 min Scan# 1445
Delta R.T. -0.01 min
Lab File: BF108407.D
Acq: 23 Aug 2018 3:59

Tgt Ion:330 Resp: 9696
Ion Ratio Lower Upper
330 100
332 94.7 77.0 115.6
141 33.4 29.9 44.9



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

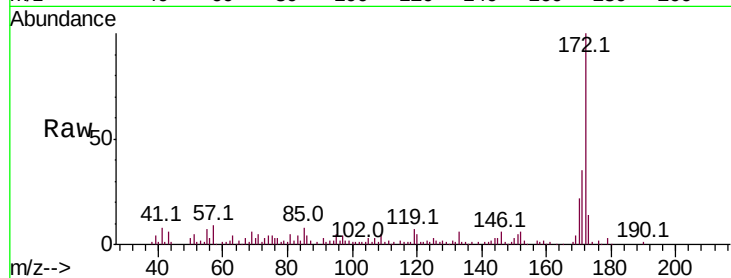




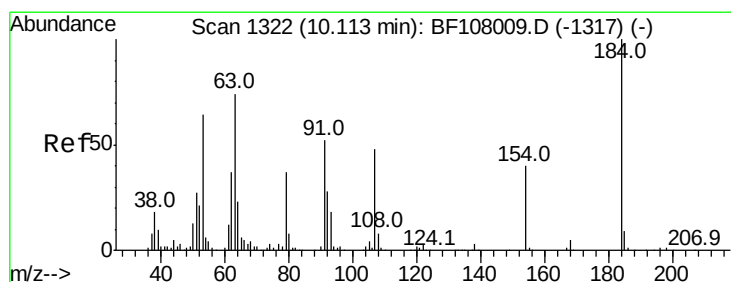
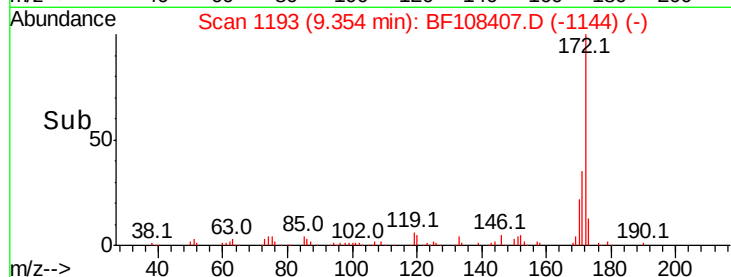
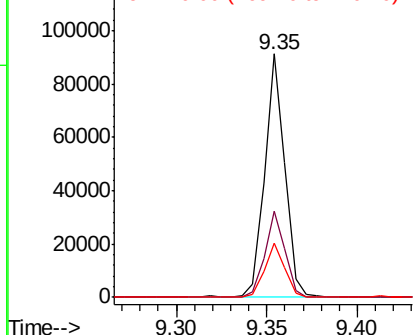
#44
2-Fluorobiphenyl
Concen: 4.885 ng
RT: 9.35 min Scan# 1193
Delta R.T. -0.01 min
Lab File: BF108407.D
Acq: 23 Aug 2018 3:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 70436
Ion Ratio Lower Upper
172 100
171 35.4 29.7 44.5
170 22.3 19.6 29.4

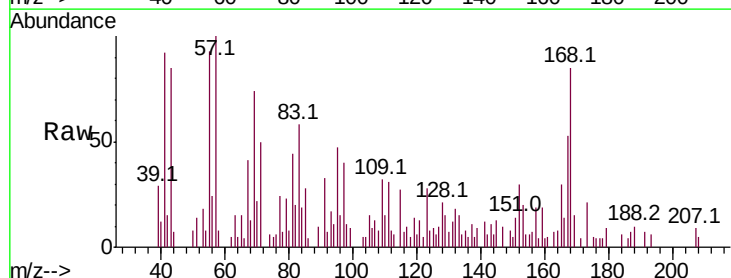


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

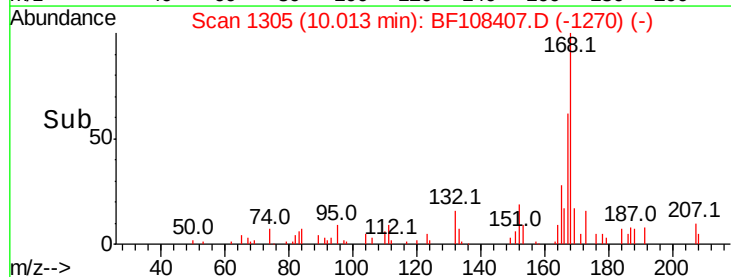
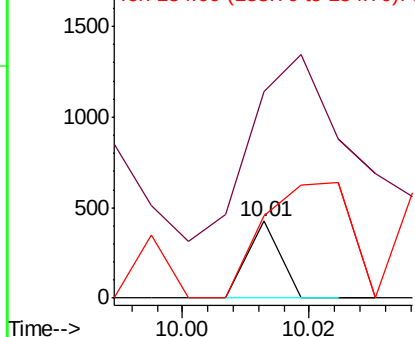


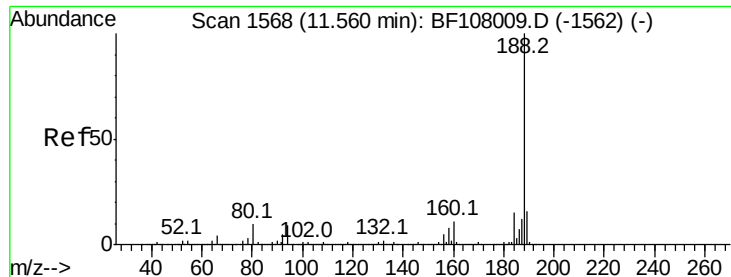
#53
2,4-Dinitrophenol
Concen: 7.129 ng
RT: 10.01 min Scan# 1305
Delta R.T. -0.09 min
Lab File: BF108407.D
Acq: 23 Aug 2018 3:59

Tgt Ion:184 Resp: 150
Ion Ratio Lower Upper
184 100
63 268.5 54.2 81.2#
154 106.3 184.0 276.0#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.54 min Scan# 1565

Delta R.T. -0.01 min

Lab File: BF108407.D

Acq: 23 Aug 2018 3:59

Instrument :

BNA_F

ClientSampled :

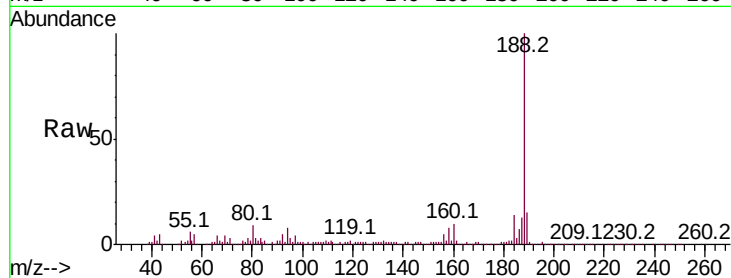
Tot Ion:188 Resp: 356075

Ion Ratio Lower Upper

188 100

94 8.2 8.5 12.7#

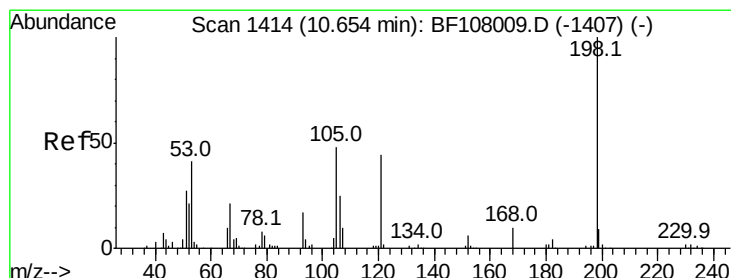
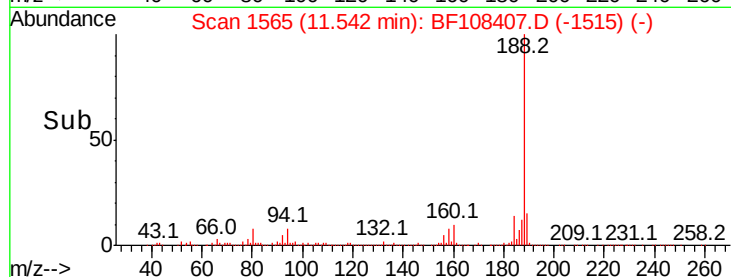
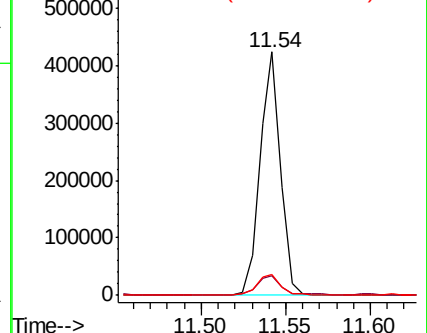
80 8.5 9.2 13.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 5.606 ng

RT: 10.64 min Scan# 1412

Delta R.T. -0.01 min

Lab File: BF108407.D

Acq: 23 Aug 2018 3:59

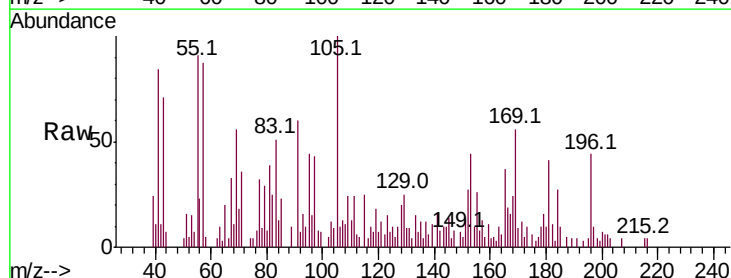
Tgt Ion:198 Resp: 372

Ion Ratio Lower Upper

198 100

51 409.9 37.7 77.7#

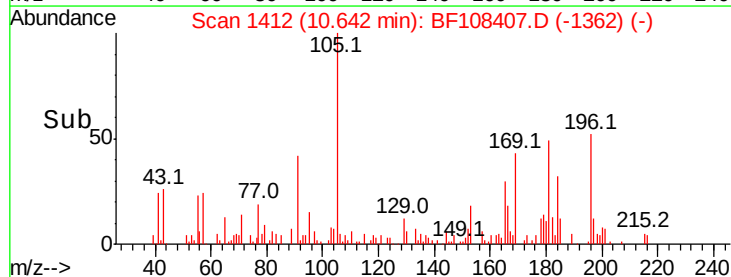
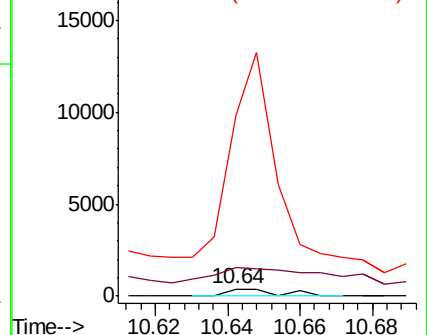
105 2548.8 36.3 76.3#

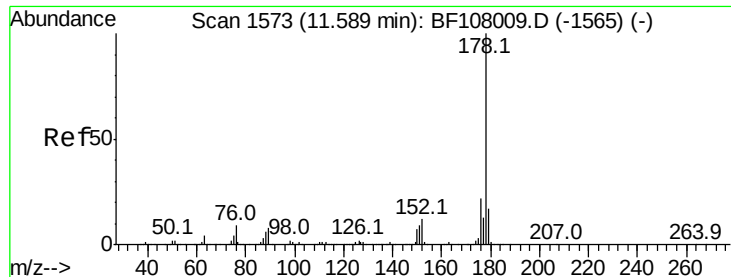


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

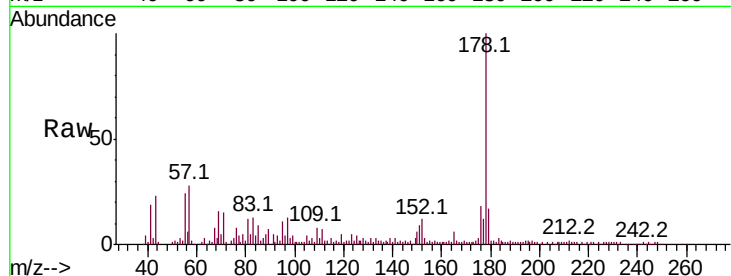




#70
Phenanthrene
Concen: 5.174 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF108407.D
Acq: 23 Aug 2018 3:59

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	17.3	13.0	19.6

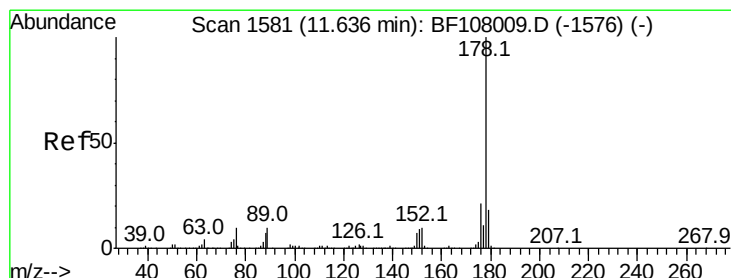
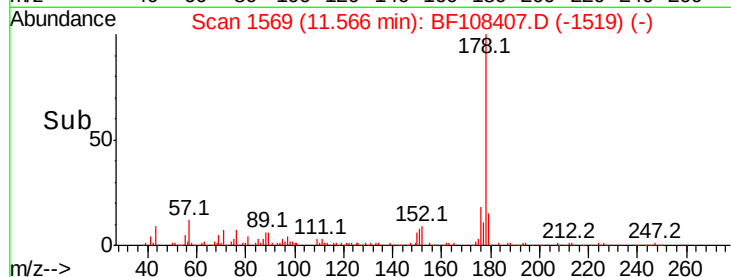
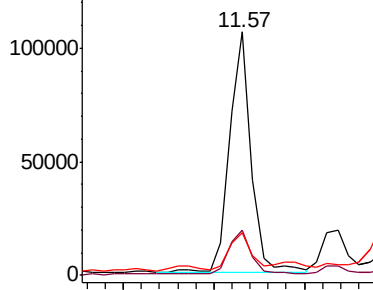


Abundance

Ion 178.00 (177.70 to 178.70): E

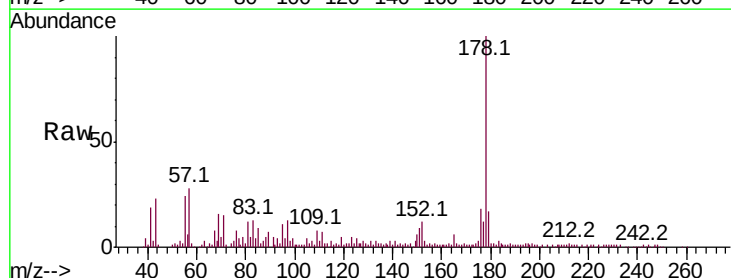
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71
Anthracene
Concen: 5.048 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.06 min
Lab File: BF108407.D
Acq: 23 Aug 2018 3:59

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	17.3	12.6	19.0

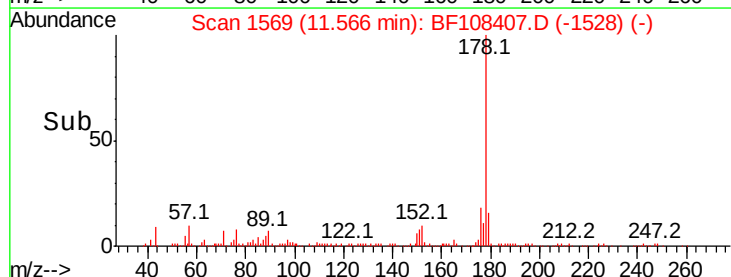
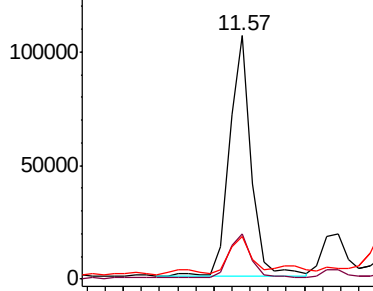


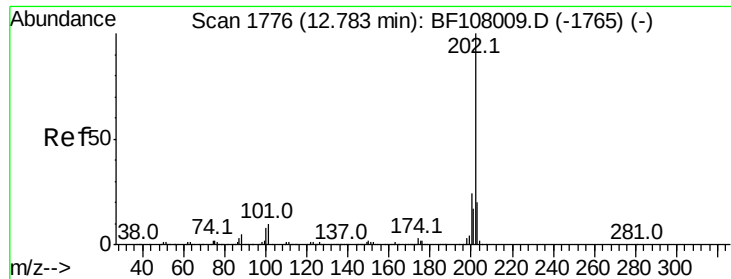
Abundance

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





#74

Fluoranthene

Concen: 2.264 ng

RT: 12.77 min Scan# 1773

Delta R.T. -0.00 min

Lab File: BF108407.D

Acq: 23 Aug 2018 3:59

Instrument :

BNA_F

ClientSampleId :

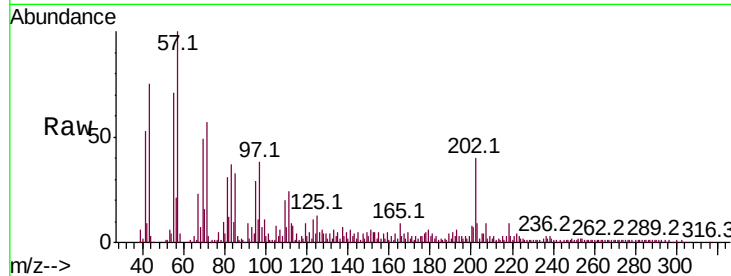
Tot Ion:202 Resp: 41492

Ion Ratio Lower Upper

202 100

101 9.5 0.0 34.1

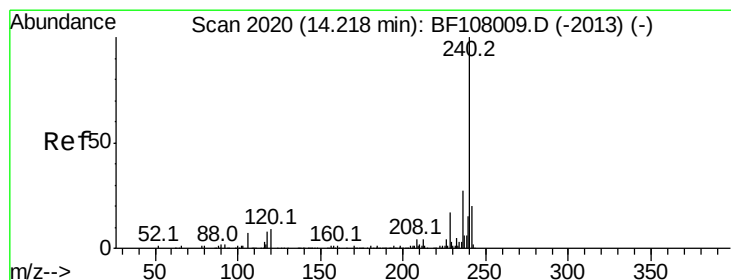
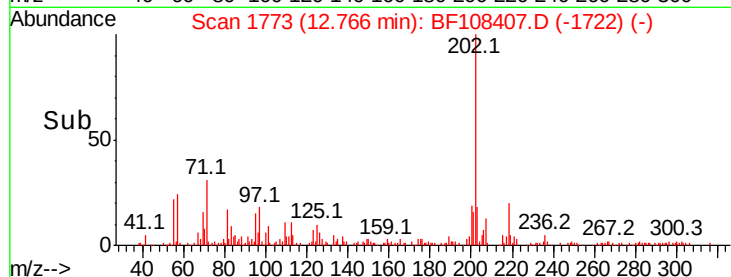
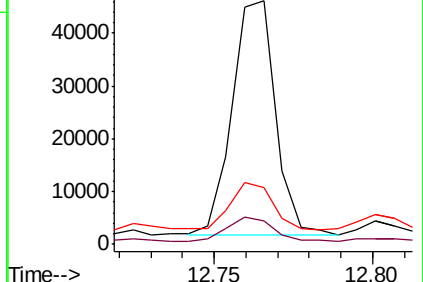
203 23.4 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.21 min Scan# 2018

Delta R.T. 0.01 min

Lab File: BF108407.D

Acq: 23 Aug 2018 3:59

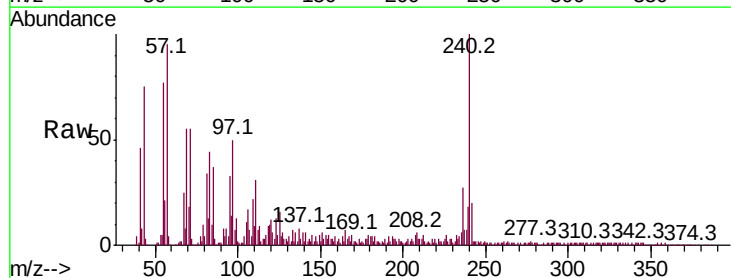
Tgt Ion:240 Resp: 236802

Ion Ratio Lower Upper

240 100

120 12.2 9.5 14.3

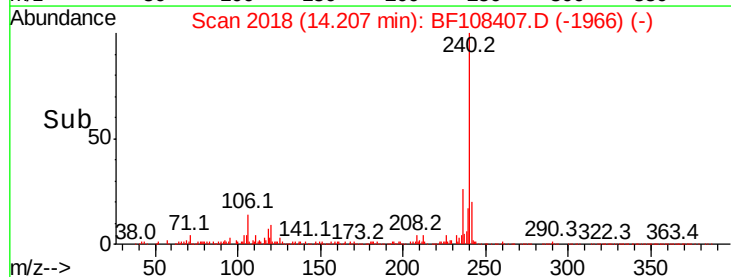
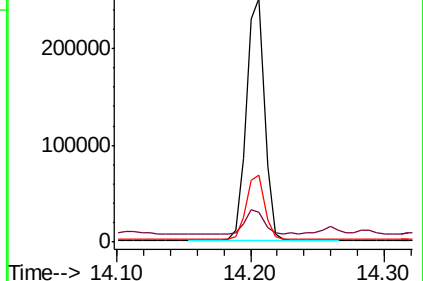
236 27.4 20.7 31.1

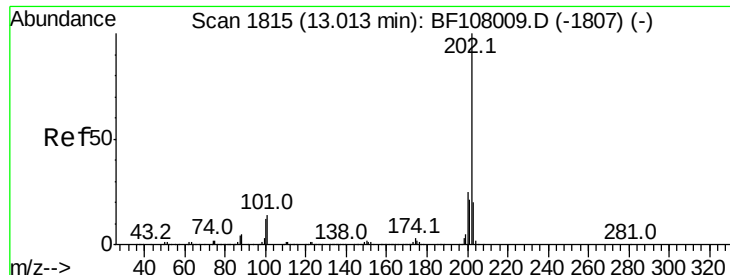


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 4.269 ng

RT: 12.99 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF108407.D

Acq: 23 Aug 2018 3:59

Instrument :

BNA_F

ClientSampleId :

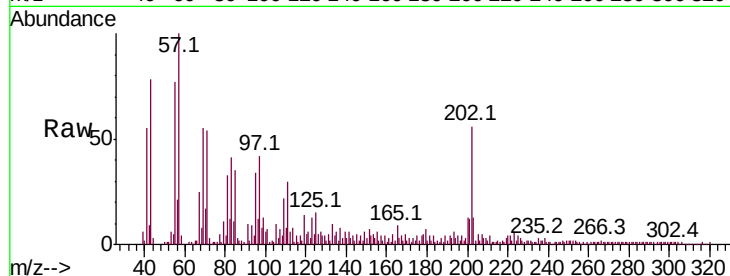
Tot Ion:202 Resp: 64001

Ion Ratio Lower Upper

202 100

200 22.5 17.4 26.2

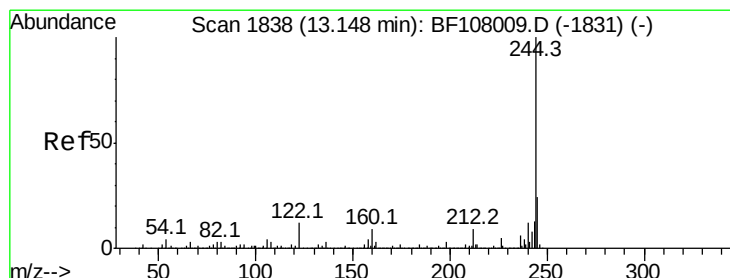
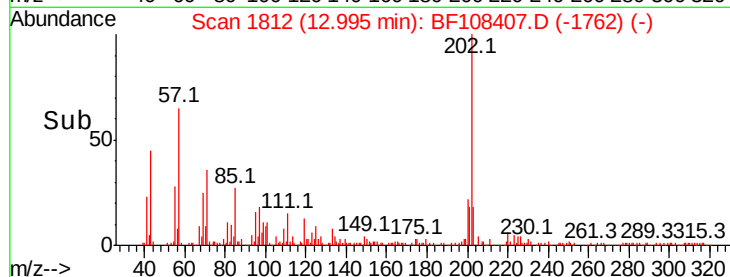
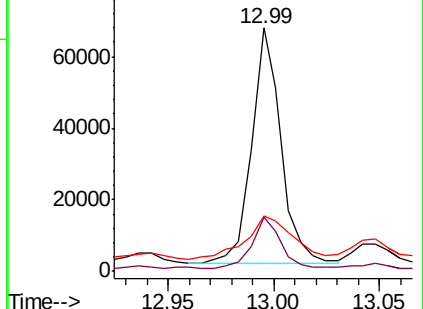
203 23.0 14.3 21.5#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 4.882 ng

RT: 13.12 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BF108407.D

Acq: 23 Aug 2018 3:59

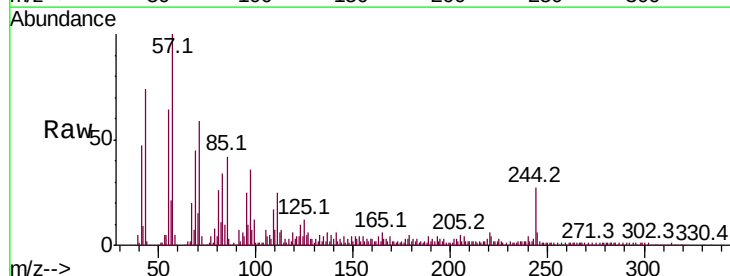
Tgt Ion:244 Resp: 45471

Ion Ratio Lower Upper

244 100

212 9.0 5.4 8.0#

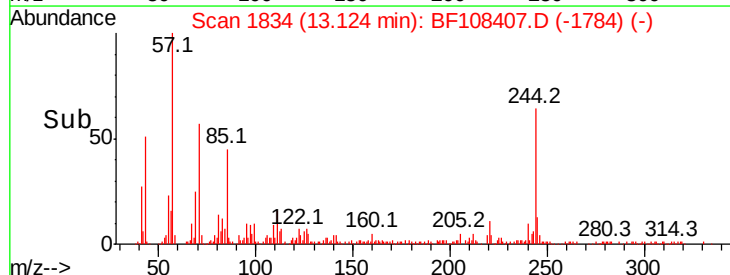
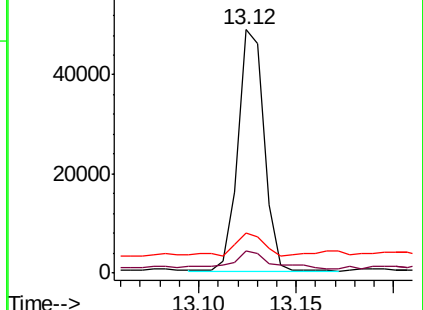
122 16.4 11.0 16.4

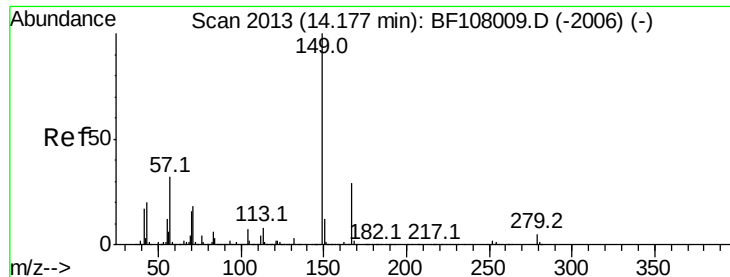


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.057 ng

RT: 14.15 min Scan# 2009

Delta R.T. 0.01 min

Lab File: BF108407.D

Acq: 23 Aug 2018 3:59

Instrument :

BNA_F

ClientSampleId :

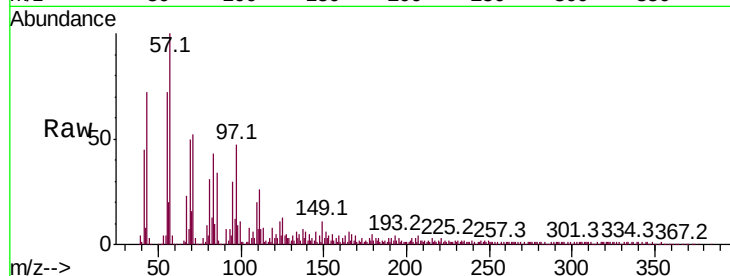
Tot Ion:149 Resp: 16581

Ion Ratio Lower Upper

149 100

167 45.1 21.3 31.9#

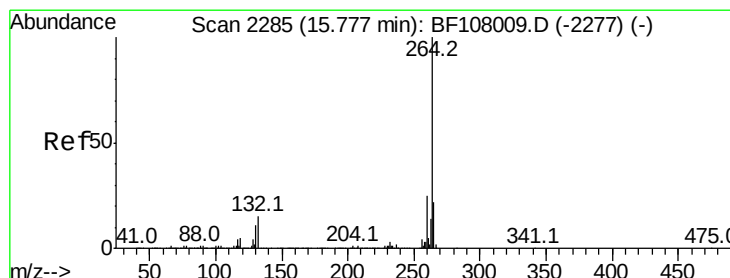
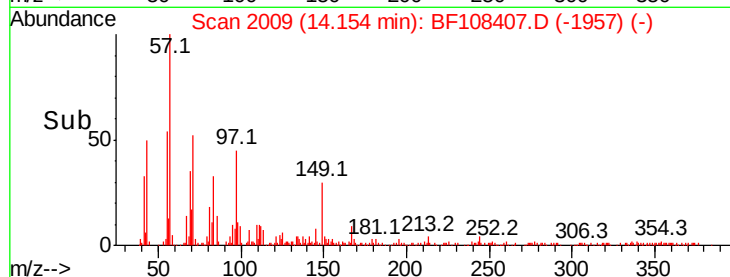
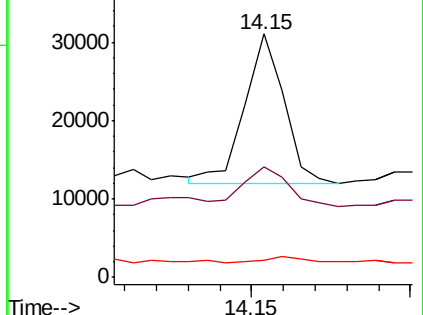
279 6.9 3.0 4.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.78 min Scan# 2285

Delta R.T. 0.02 min

Lab File: BF108407.D

Acq: 23 Aug 2018 3:59

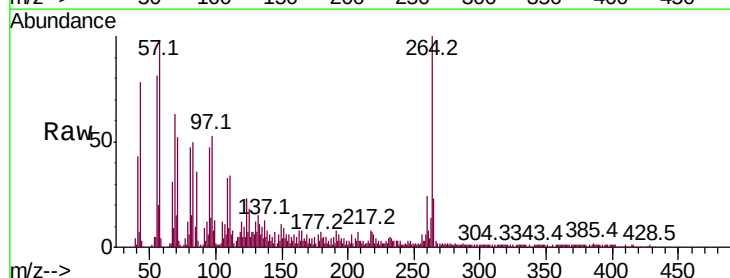
Tgt Ion:264 Resp: 197718

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

265 22.9 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

