

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090618\
 Data File : BF108828.D
 Acq On : 6 Sep 2018 17:31
 Operator : JU/SJ
 Sample : J4803-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 06 18:30:05 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 05 18:03:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	263574	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	997271	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	456257	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	761762	20.00	ng	0.00
75) Chrysene-d12	13.87	240	531573	20.00	ng	0.00
86) Perylene-d12	15.28	264	702697	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	987809	62.09	ng	0.00
7) Phenol-d6	6.37	99	1267150	61.90	ng	0.00
23) Nitrobenzene-d5	7.29	82	787538	49.42	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	272914	62.66	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	1388787	51.93	ng	0.00
78) Terphenyl-d14	12.82	244	1070096	46.94	ng	0.00

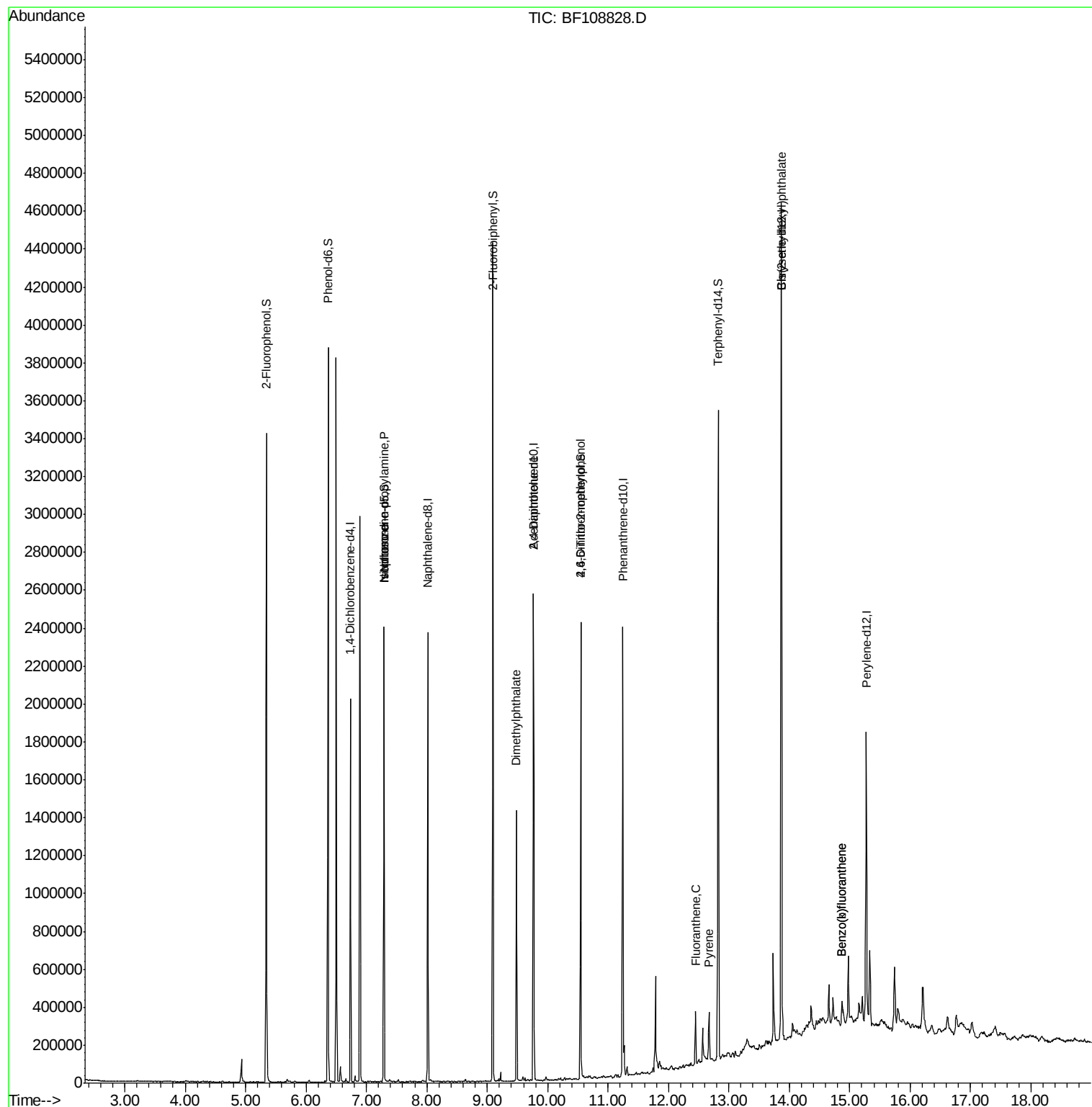
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	106364	7.475	ng	# 78
25) Isophorone	7.29	82	782430	24.615	ng	# 64
49) Dimethylphthalate	9.48	163	497978	15.605	ng	# 99
56) 2,4-Dinitrotoluene	9.77	165	59137	7.605	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.55	198	649	7.054	ng	# 1
74) Fluoranthene	12.45	202	103335	2.869	ng	# 98
77) Pyrene	12.67	202	97185	2.376	ng	# 98
83) Bis(2-ethylhexyl)phthalate	13.87	149	893570	38.602	ng	# 100
87) Benzo(b)fluoranthene	14.87	252	85803	2.246	ng	# 95
88) Benzo(k)fluoranthene	14.87	252	85803	2.438	ng	# 97

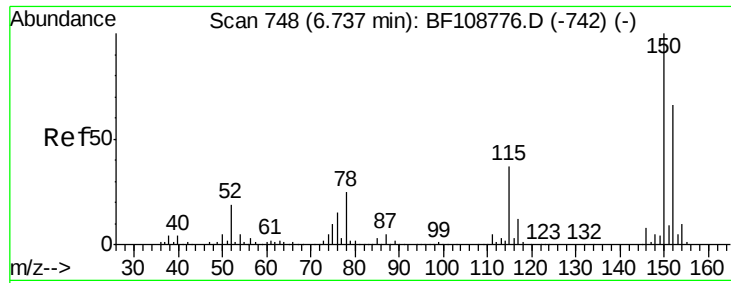
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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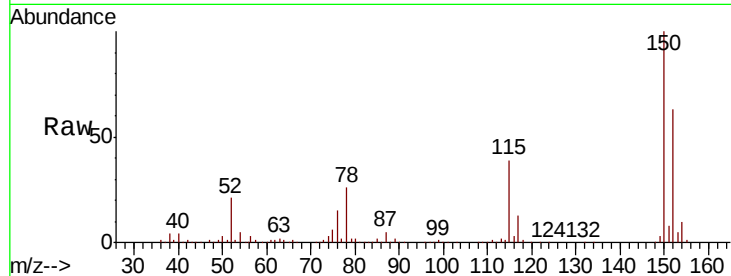


#1

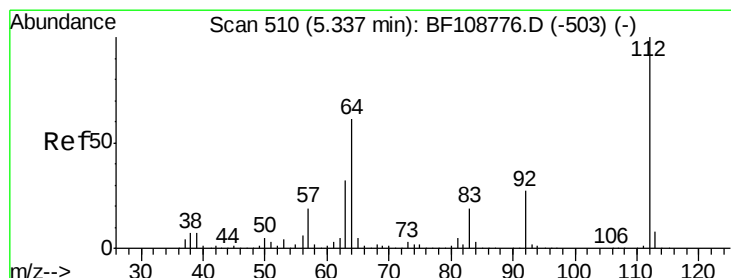
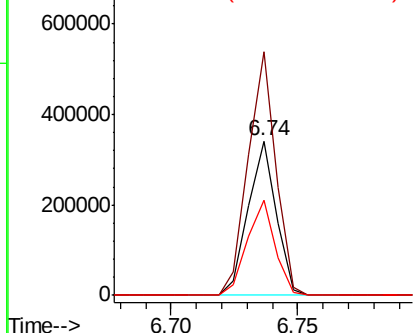
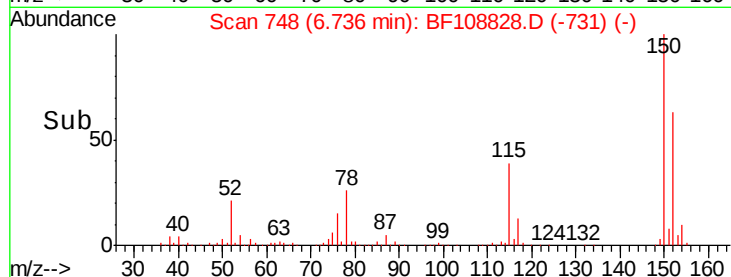
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 748
Delta R.T. -0.00 min
Lab File: BF108828.D
Acq: 6 Sep 2018 17:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 263574
Ion Ratio Lower Upper
152 100
150 157.5 124.6 186.8
115 61.5 50.1 75.1



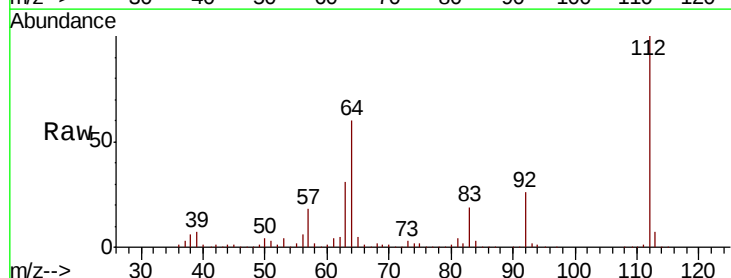
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



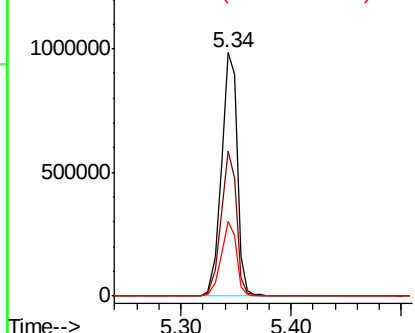
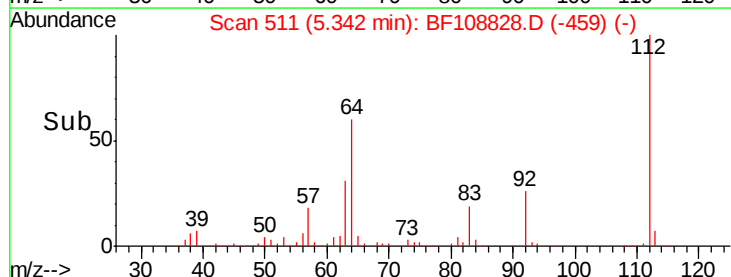
#5

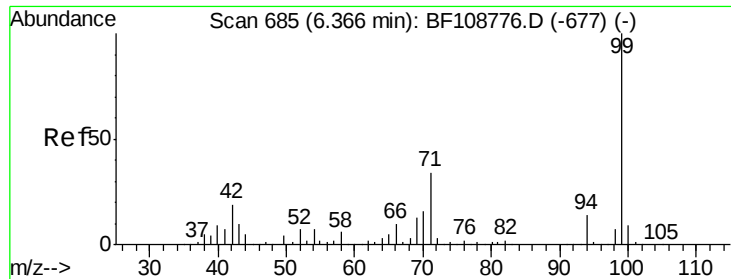
2-Fluorophenol
Concen: 62.088 ng
RT: 5.34 min Scan# 511
Delta R.T. 0.01 min
Lab File: BF108828.D
Acq: 6 Sep 2018 17:31

Tgt Ion:112 Resp: 987809
Ion Ratio Lower Upper
112 100
64 59.7 47.9 71.9
63 30.5 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

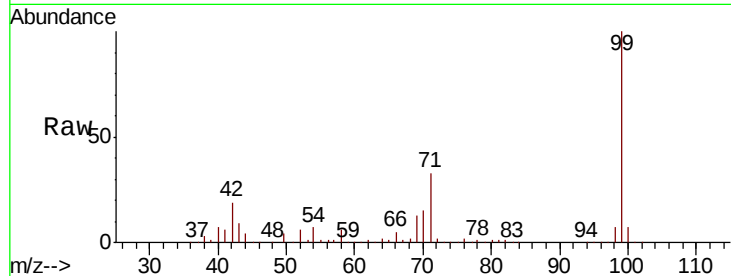




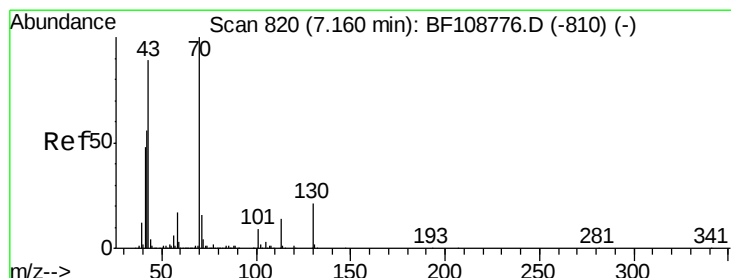
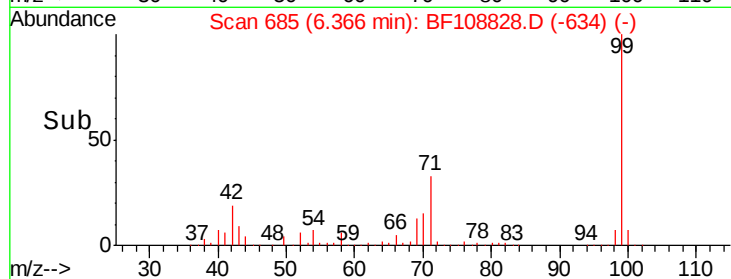
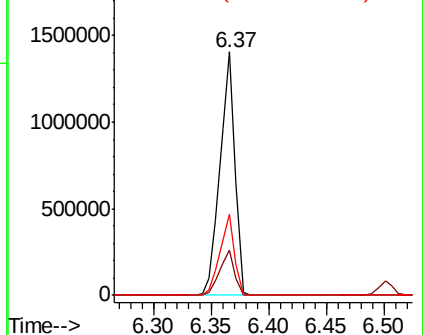
#7
 Phenol-d6
 Concen: 61.901 ng
 RT: 6.37 min Scan# 685
 Delta R.T. -0.00 min
 Lab File: BF108828.D
 Acq: 6 Sep 2018 17:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 99 Resp: 1267150
 Ion Ratio Lower Upper
 99 100
 42 18.6 14.5 21.7
 71 33.2 25.4 38.0

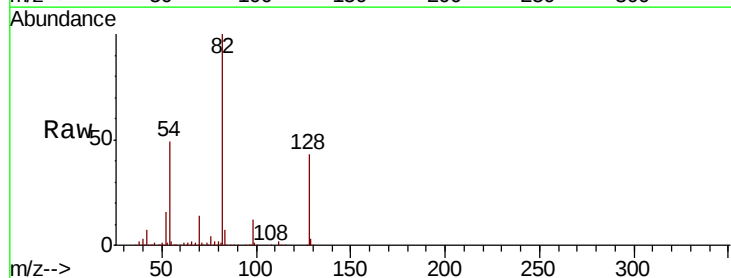


Abundance Ion 99.00 (98.70 to 99.70): BF1
 Ion 42.00 (41.70 to 42.70): BF1
 Ion 71.00 (70.70 to 71.70): BF1

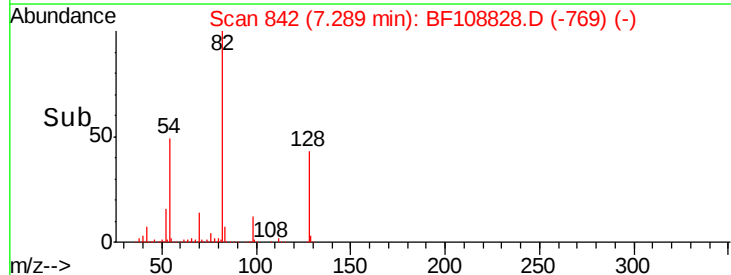
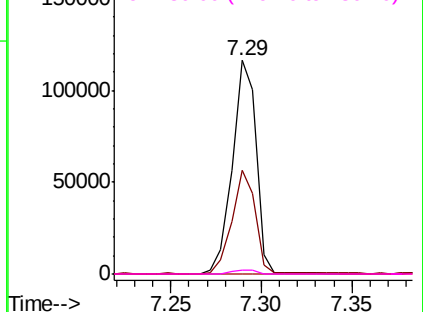


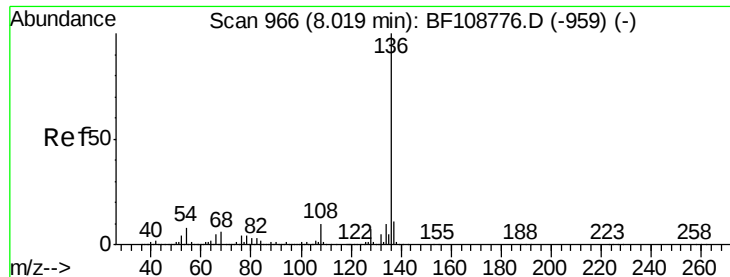
#19
 n-Nitroso-di-n-propylamine
 Concen: 7.475 ng
 RT: 7.29 min Scan# 842
 Delta R.T. 0.13 min
 Lab File: BF108828.D
 Acq: 6 Sep 2018 17:31

Tgt Ion: 70 Resp: 106364
 Ion Ratio Lower Upper
 70 100
 42 48.7 47.5 71.3
 101 0.0 7.4 11.2#
 130 1.8 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
 Ion 42.00 (41.70 to 42.70): BF1
 Ion 101.00 (100.70 to 101.70): BF1
 Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 966

Delta R.T. -0.00 min

Lab File: BF108828.D

Acq: 6 Sep 2018 17:31

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 997271

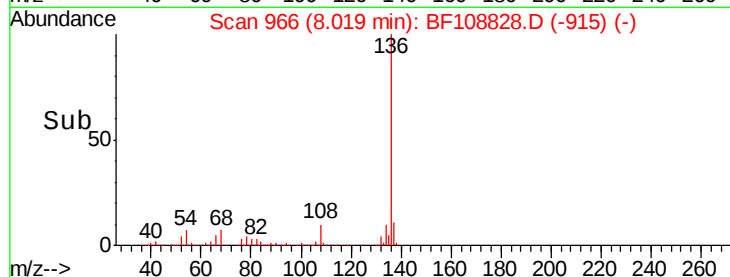
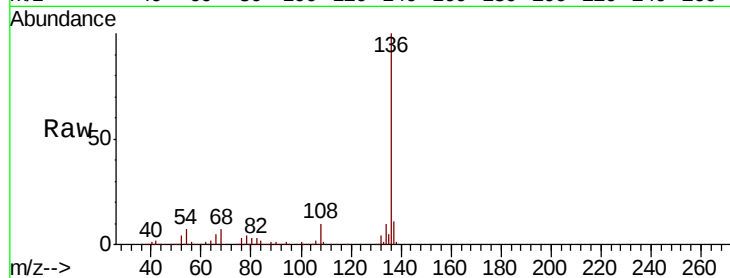
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.4 6.6 9.8

68 6.5 5.0 7.4

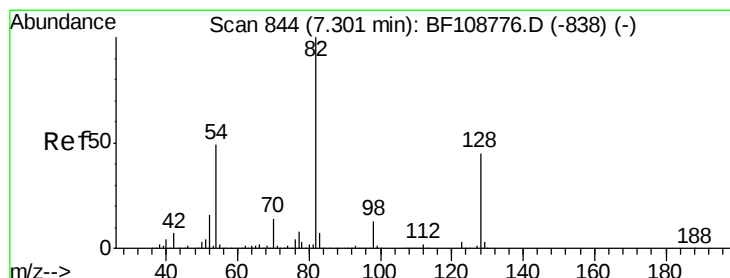
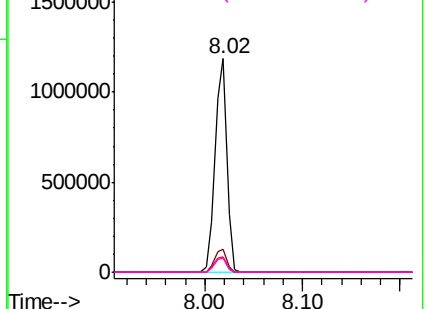


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 49.420 ng

RT: 7.29 min Scan# 842

Delta R.T. -0.01 min

Lab File: BF108828.D

Acq: 6 Sep 2018 17:31

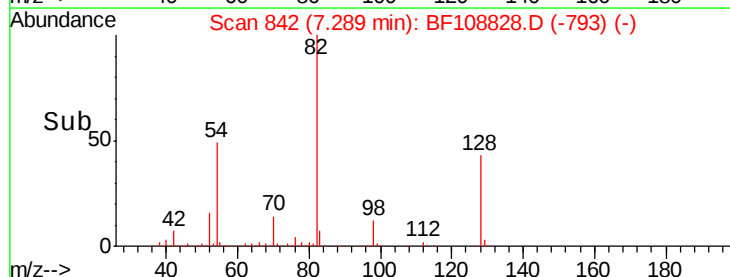
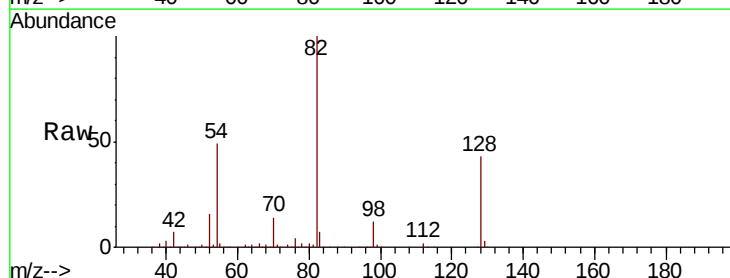
Tgt Ion: 82 Resp: 787538

Ion Ratio Lower Upper

82 100

128 42.7 36.1 54.1

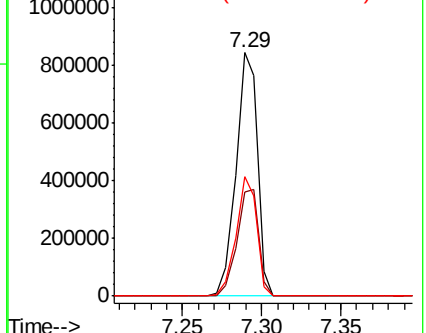
54 49.1 41.4 62.2

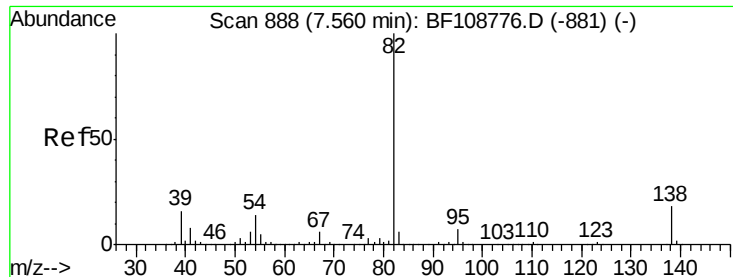


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 24.615 ng

RT: 7.29 min Scan# 842

Delta R.T. -0.27 min

Lab File: BF108828.D

Acq: 6 Sep 2018 17:31

Instrument :

BNA_F

ClientSampleId :

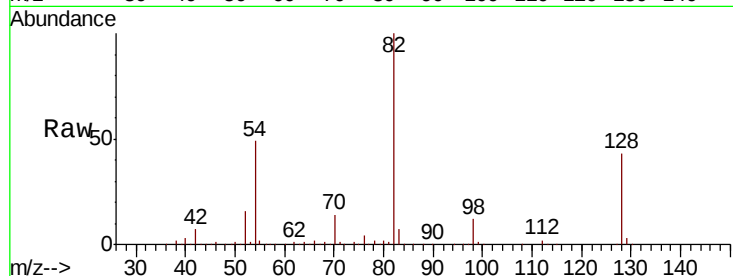
Tot Ion: 82 Resp: 782430

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

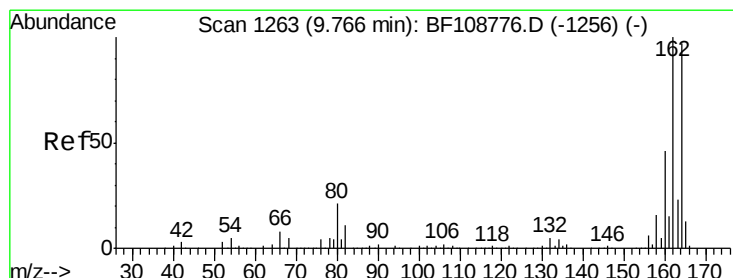
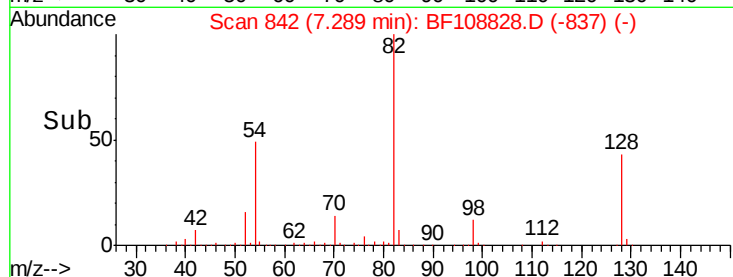
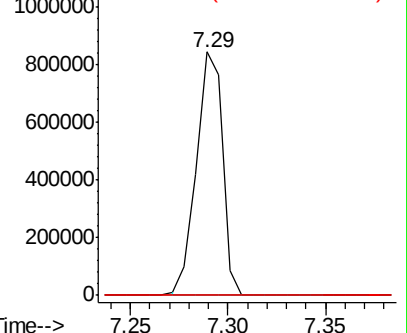
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.77 min Scan# 1263

Delta R.T. -0.00 min

Lab File: BF108828.D

Acq: 6 Sep 2018 17:31

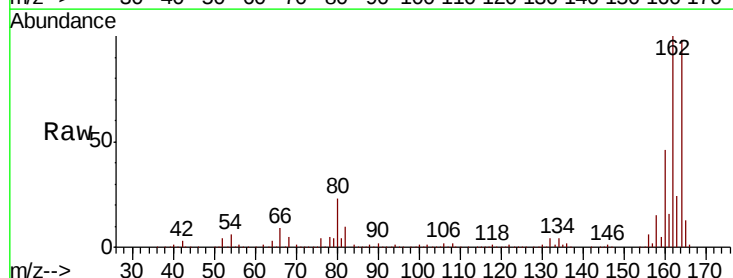
Tgt Ion: 164 Resp: 456257

Ion Ratio Lower Upper

164 100

162 102.1 86.1 129.1

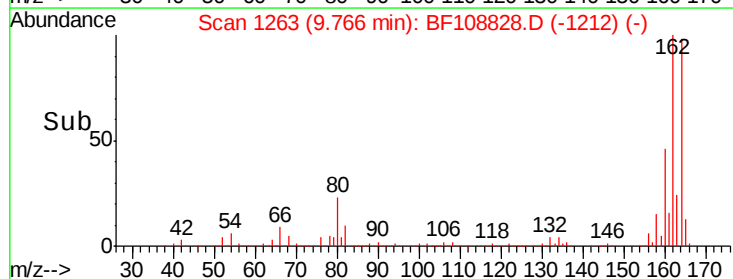
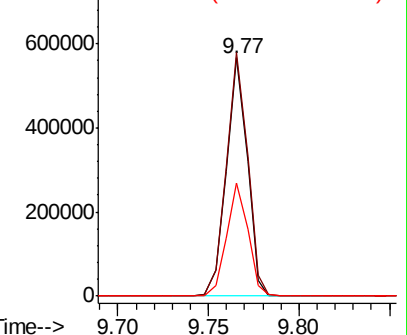
160 47.3 38.3 57.5

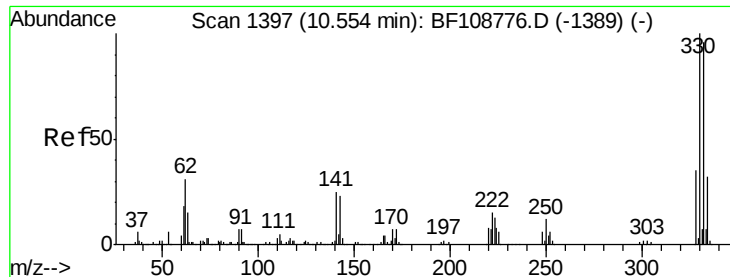


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

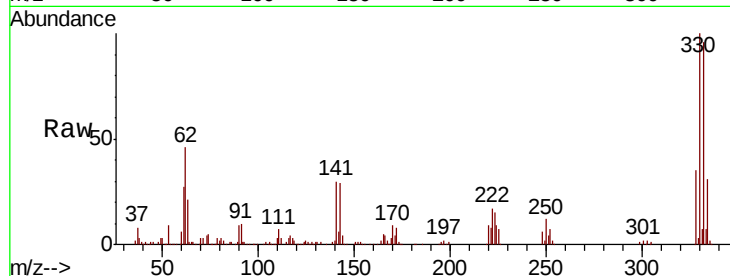




#41
 2,4,6-Tribromophenol
 Concen: 62.657 ng
 RT: 10.55 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF108828.D
 Acq: 6 Sep 2018 17:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.0	115.6
141	32.8	29.9	44.9

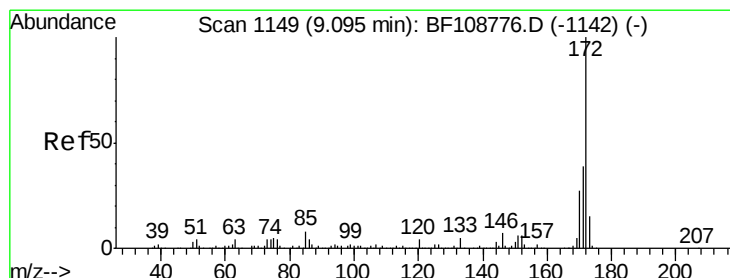
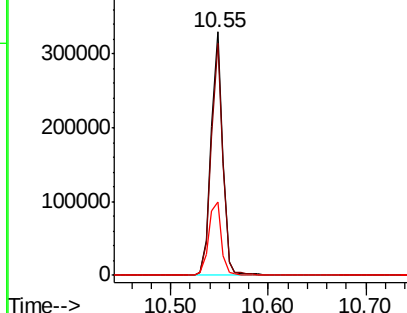
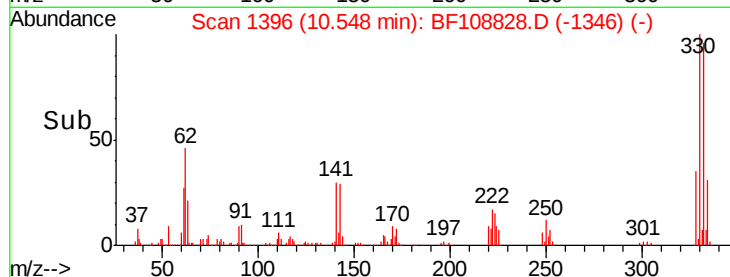


Abundance

Ion 329.80 (329.50 to 330.50): E

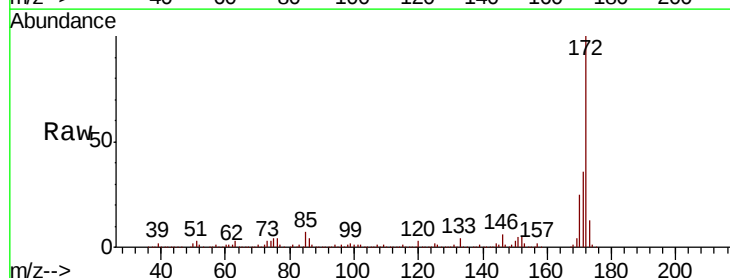
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 51.928 ng
 RT: 9.10 min Scan# 1149
 Delta R.T. -0.00 min
 Lab File: BF108828.D
 Acq: 6 Sep 2018 17:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.7	19.6	29.4

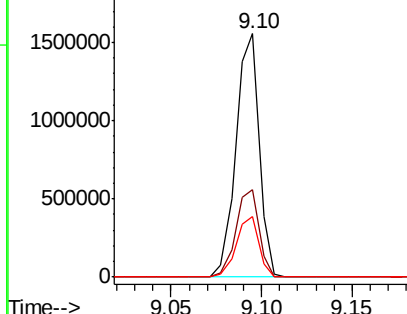
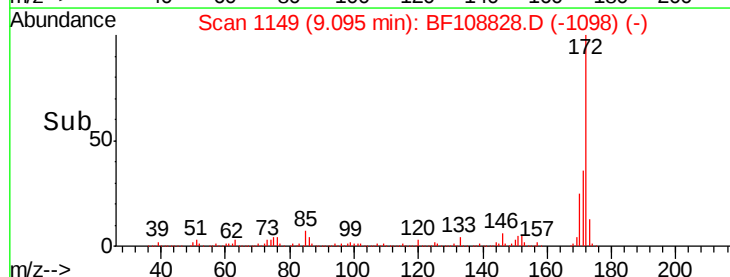


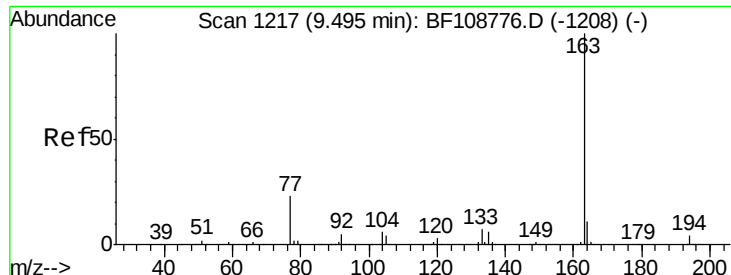
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

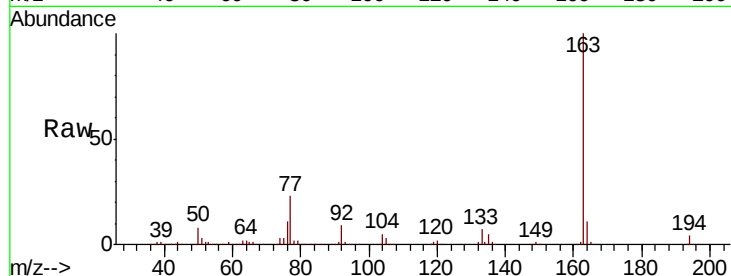




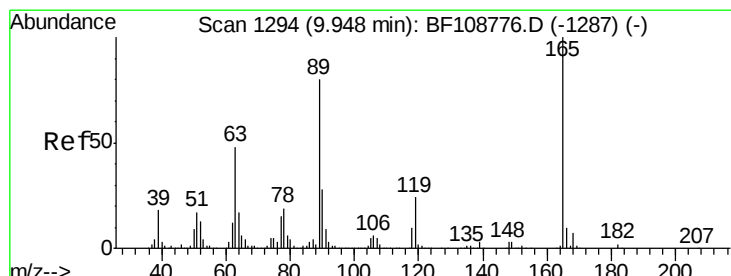
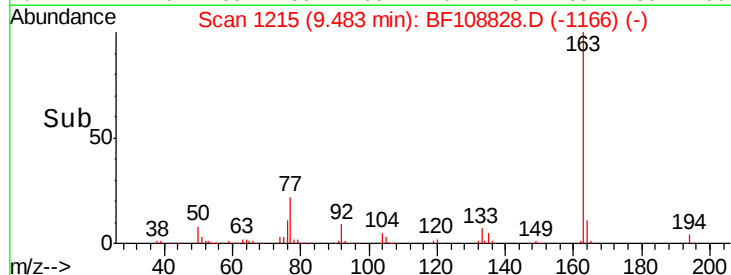
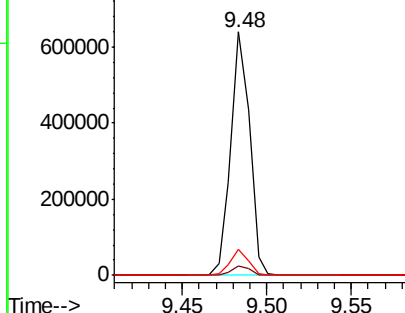
#49
Dimethylphthalate
Concen: 15.605 ng
RT: 9.48 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF108828.D
Acq: 6 Sep 2018 17:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 497978
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 10.7 8.2 12.2

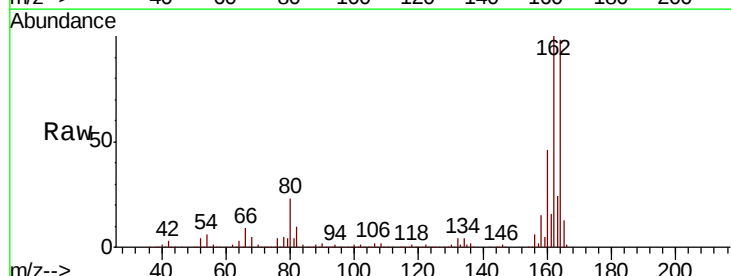


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

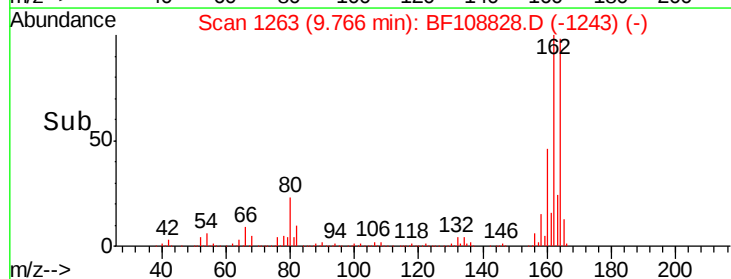
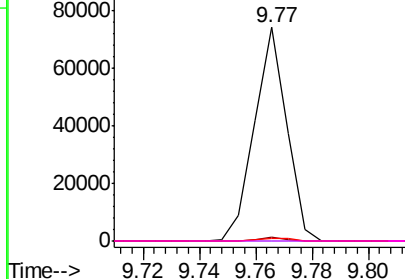


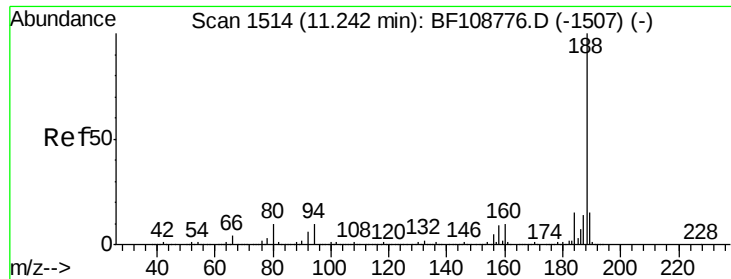
#56
2,4-Dinitrotoluene
Concen: 7.605 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.18 min
Lab File: BF108828.D
Acq: 6 Sep 2018 17:31

Tgt Ion:165 Resp: 59137
Ion Ratio Lower Upper
165 100
63 1.8 36.4 54.6#
89 1.1 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

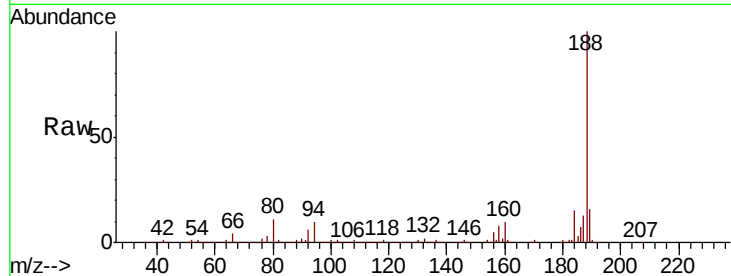




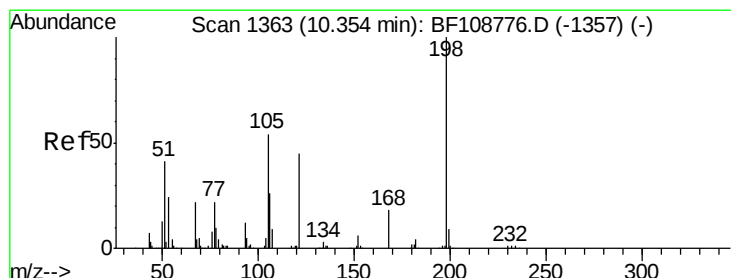
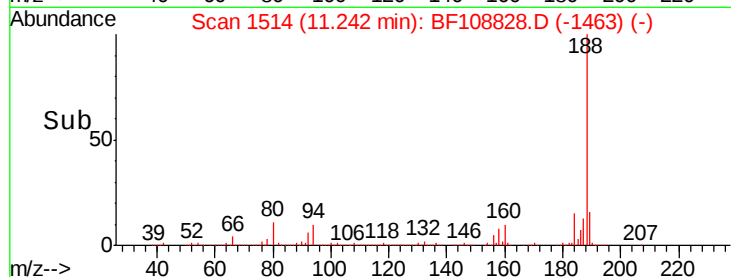
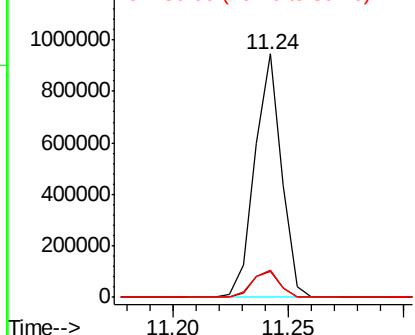
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1514
Delta R.T. -0.00 min
Lab File: BF108828.D
Acq: 6 Sep 2018 17:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 761762
Ion Ratio Lower Upper
188 100
94 10.5 8.5 12.7
80 11.1 9.2 13.8

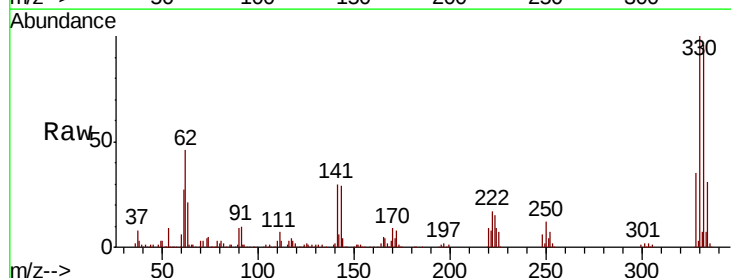


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

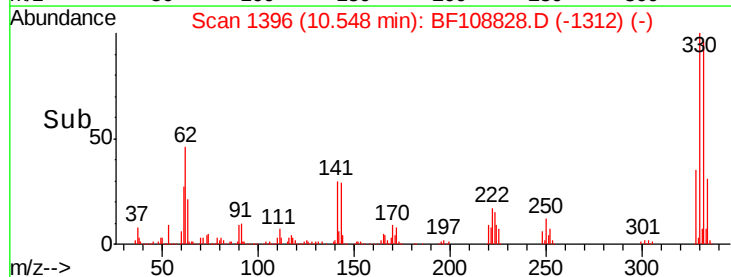
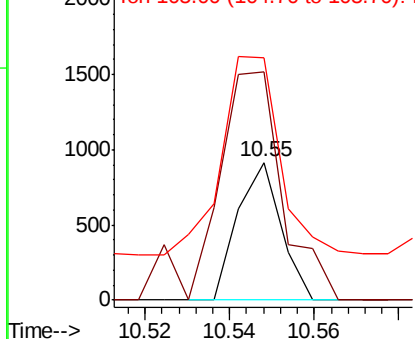


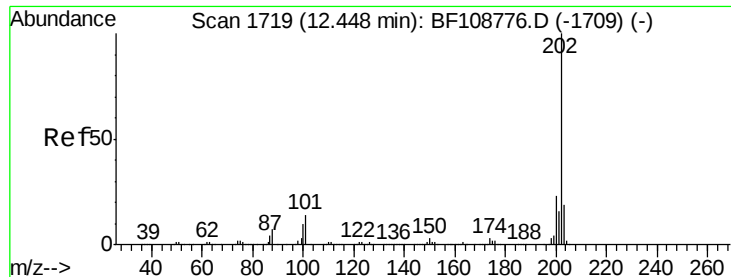
#64
4,6-Dinitro-2-methylphenol
Concen: 7.054 ng
RT: 10.55 min Scan# 1396
Delta R.T. 0.19 min
Lab File: BF108828.D
Acq: 6 Sep 2018 17:31

Tgt Ion:198 Resp: 649
Ion Ratio Lower Upper
198 100
51 166.0 37.7 77.7#
105 176.0 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





#74

Fluoranthene

Concen: 2.869 ng

RT: 12.45 min Scan# 1719

Delta R.T. -0.00 min

Lab File: BF108828.D

Acq: 6 Sep 2018 17:31

Instrument :

BNA_F

ClientSampleId :

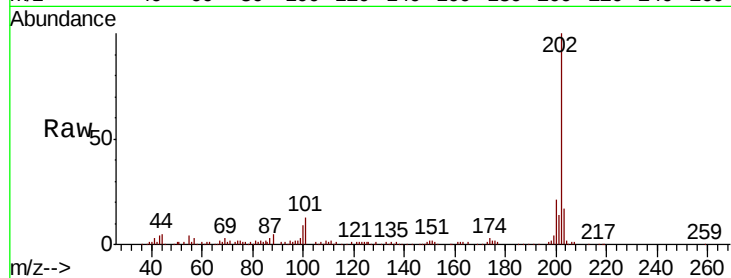
Tot Ion:202 Resp: 103335

Ion Ratio Lower Upper

202 100

101 13.1 0.0 34.1

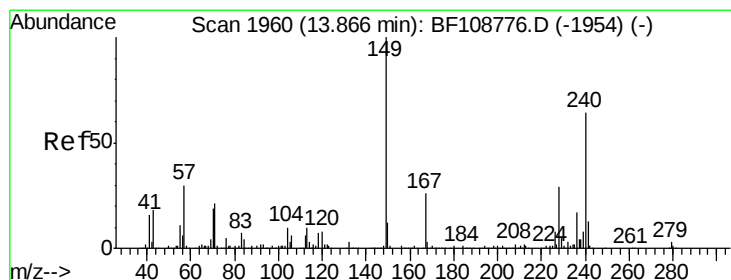
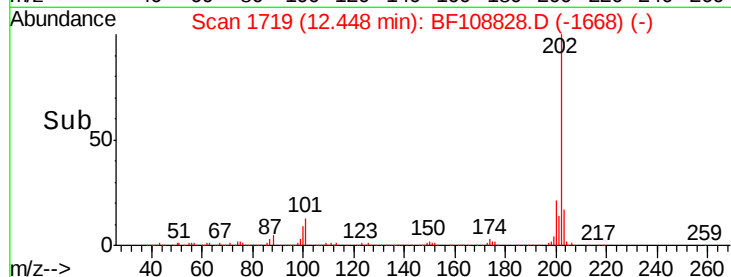
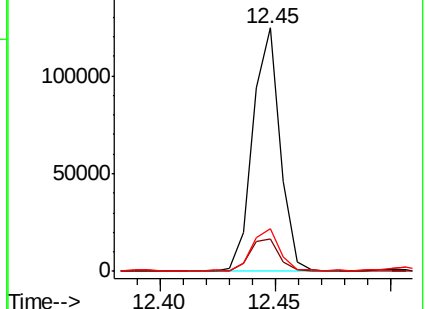
203 17.4 0.0 38.1



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: 13.87 min Scan# 1960

Delta R.T. -0.00 min

Lab File: BF108828.D

Acq: 6 Sep 2018 17:31

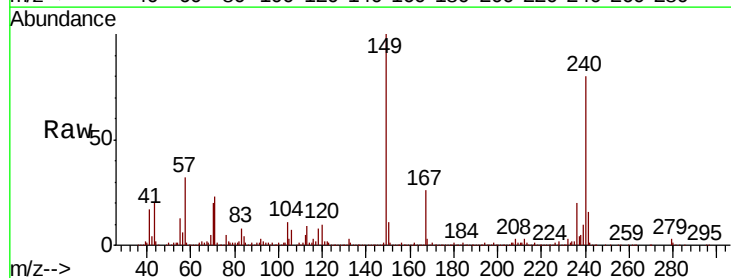
Tgt Ion:240 Resp: 531573

Ion Ratio Lower Upper

240 100

120 12.7 9.5 14.3

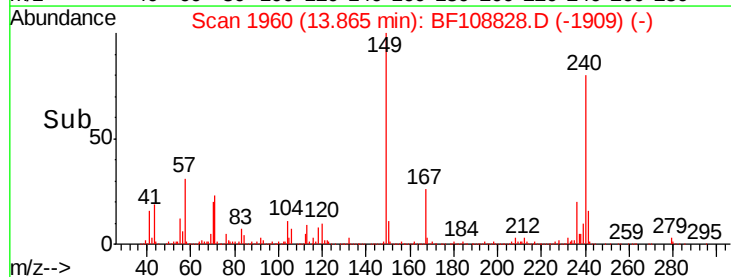
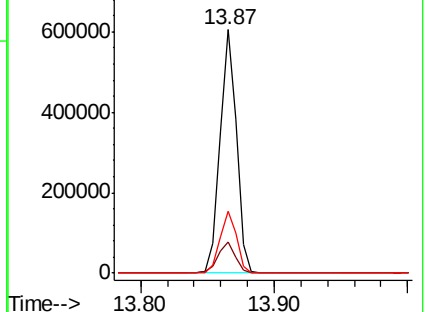
236 25.2 20.7 31.1

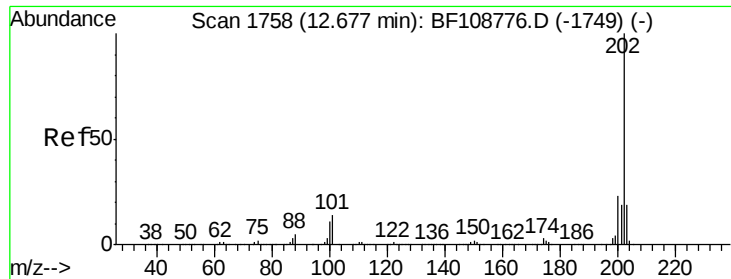


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.376 ng

RT: 12.67 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BF108828.D

Acq: 6 Sep 2018 17:31

Instrument :

BNA_F

ClientSampled :

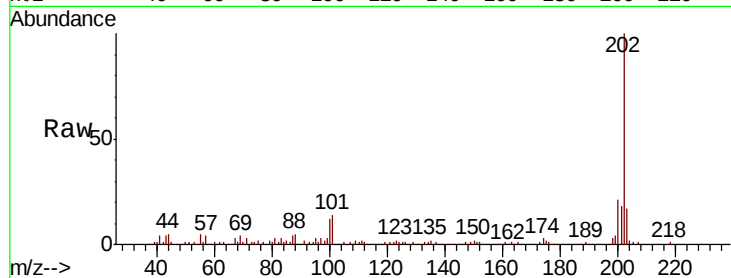
Tot Ion:202 Resp: 97185

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

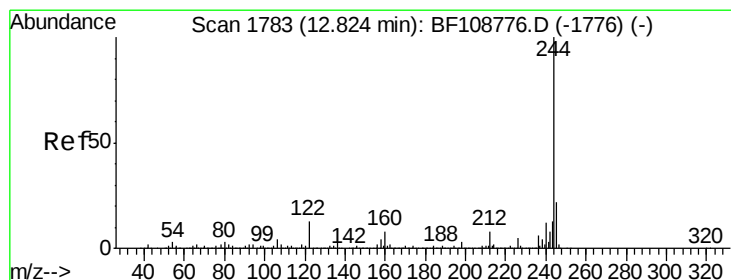
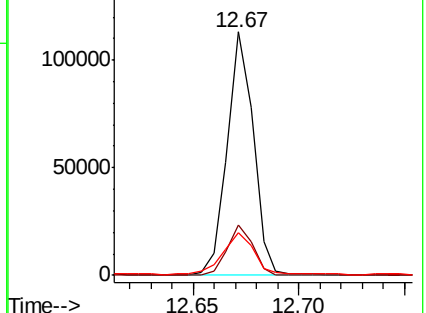
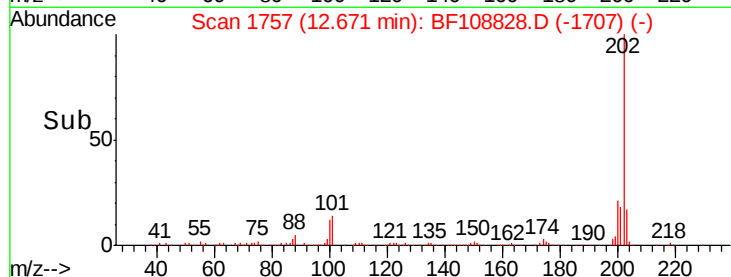
203 17.4 14.3 21.5



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: 46.943 ng

RT: 12.82 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF108828.D

Acq: 6 Sep 2018 17:31

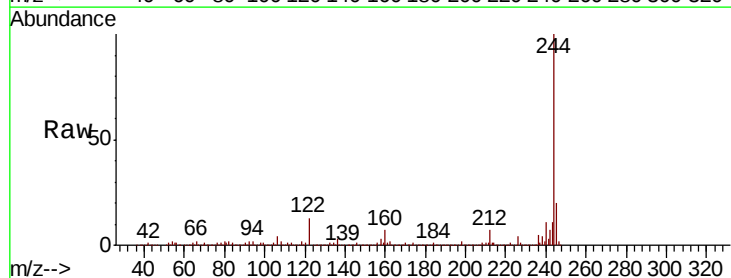
Tgt Ion:244 Resp: 1070096

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

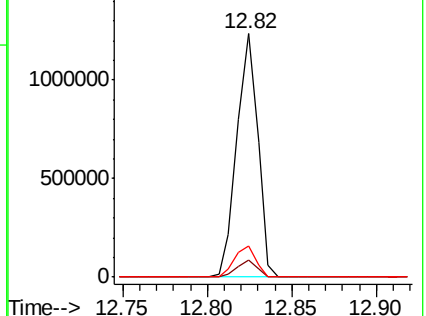
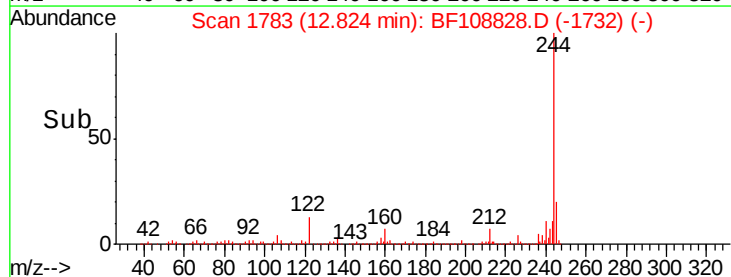
122 12.9 11.0 16.4

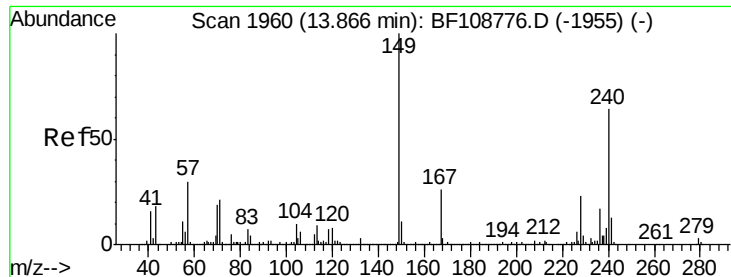


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 38.602 ng

RT: 13.87 min Scan# 1961

Delta R.T. 0.01 min

Lab File: BF108828.D

Acq: 6 Sep 2018 17:31

Instrument :

BNA_F

ClientSampleId :

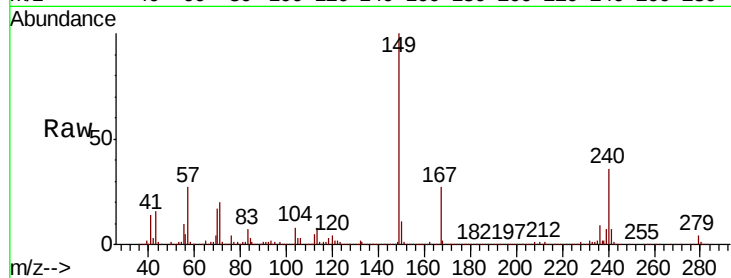
Tot Ion:149 Resp: 893570

Ion Ratio Lower Upper

149 100

167 26.5 21.3 31.9

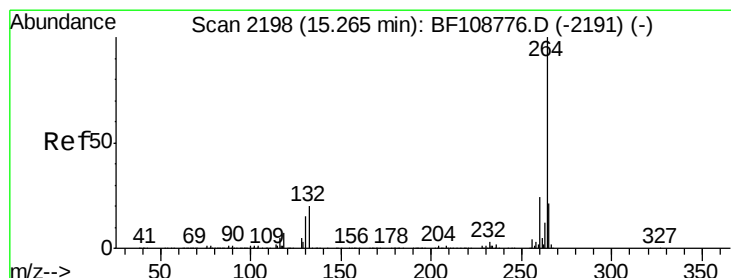
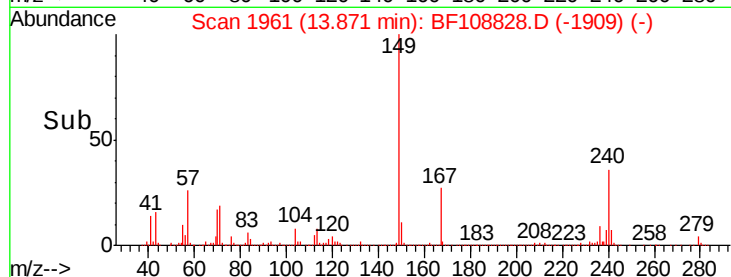
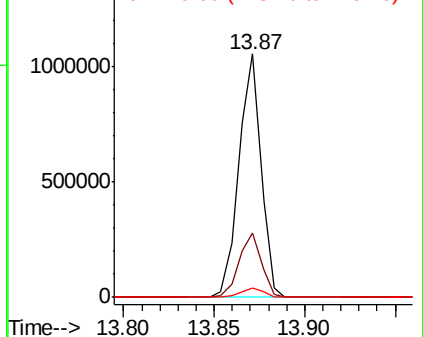
279 3.7 3.0 4.4



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: 15.28 min Scan# 2200

Delta R.T. 0.01 min

Lab File: BF108828.D

Acq: 6 Sep 2018 17:31

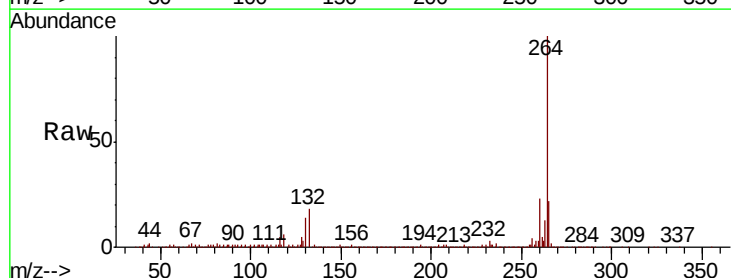
Tgt Ion:264 Resp: 702697

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

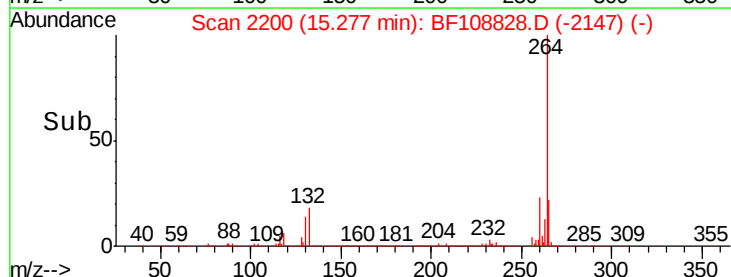
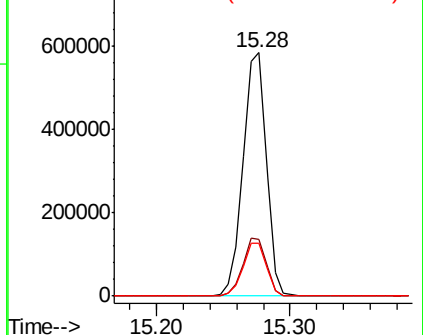
265 21.7 17.5 26.3

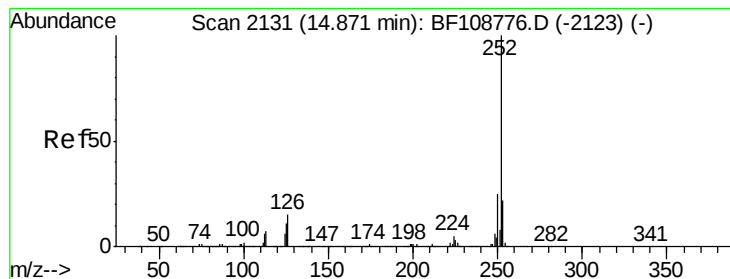


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.246 ng

RT: 14.87 min Scan# 2131

Delta R.T. -0.00 min

Lab File: BF108828.D

Acq: 6 Sep 2018 17:31

Instrument :

BNA_F

ClientSampleId :

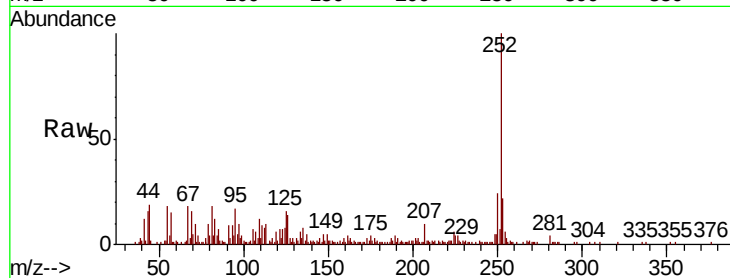
Tot Ion:252 Resp: 85803

Ion Ratio Lower Upper

252 100

253 21.9 17.0 25.6

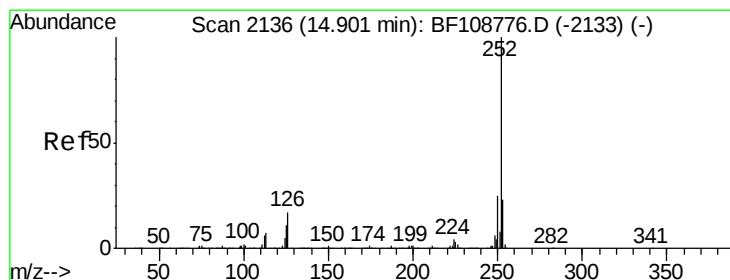
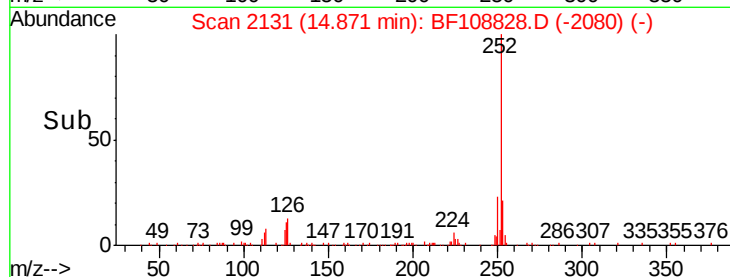
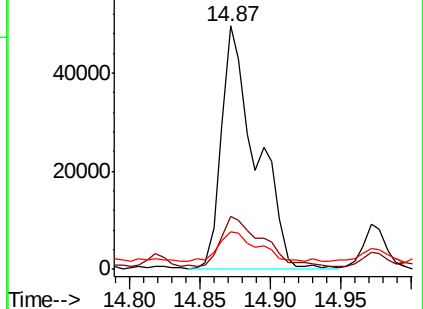
125 15.5 9.0 13.6#



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



#88

Benzo(k)fluoranthene

Concen: 2.438 ng

RT: 14.87 min Scan# 2131

Delta R.T. -0.03 min

Lab File: BF108828.D

Acq: 6 Sep 2018 17:31

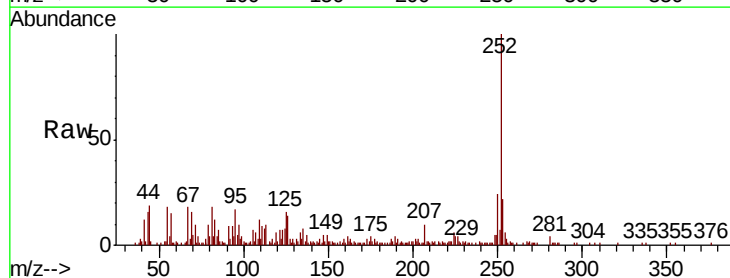
Tgt Ion:252 Resp: 85803

Ion Ratio Lower Upper

252 100

253 21.9 17.9 26.9

125 15.5 10.2 15.2#



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

