

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091118\
 Data File : BF108944.D
 Acq On : 11 Sep 2018 19:17
 Operator : JU/SJ
 Sample : J4838-08
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 12 03:35:41 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

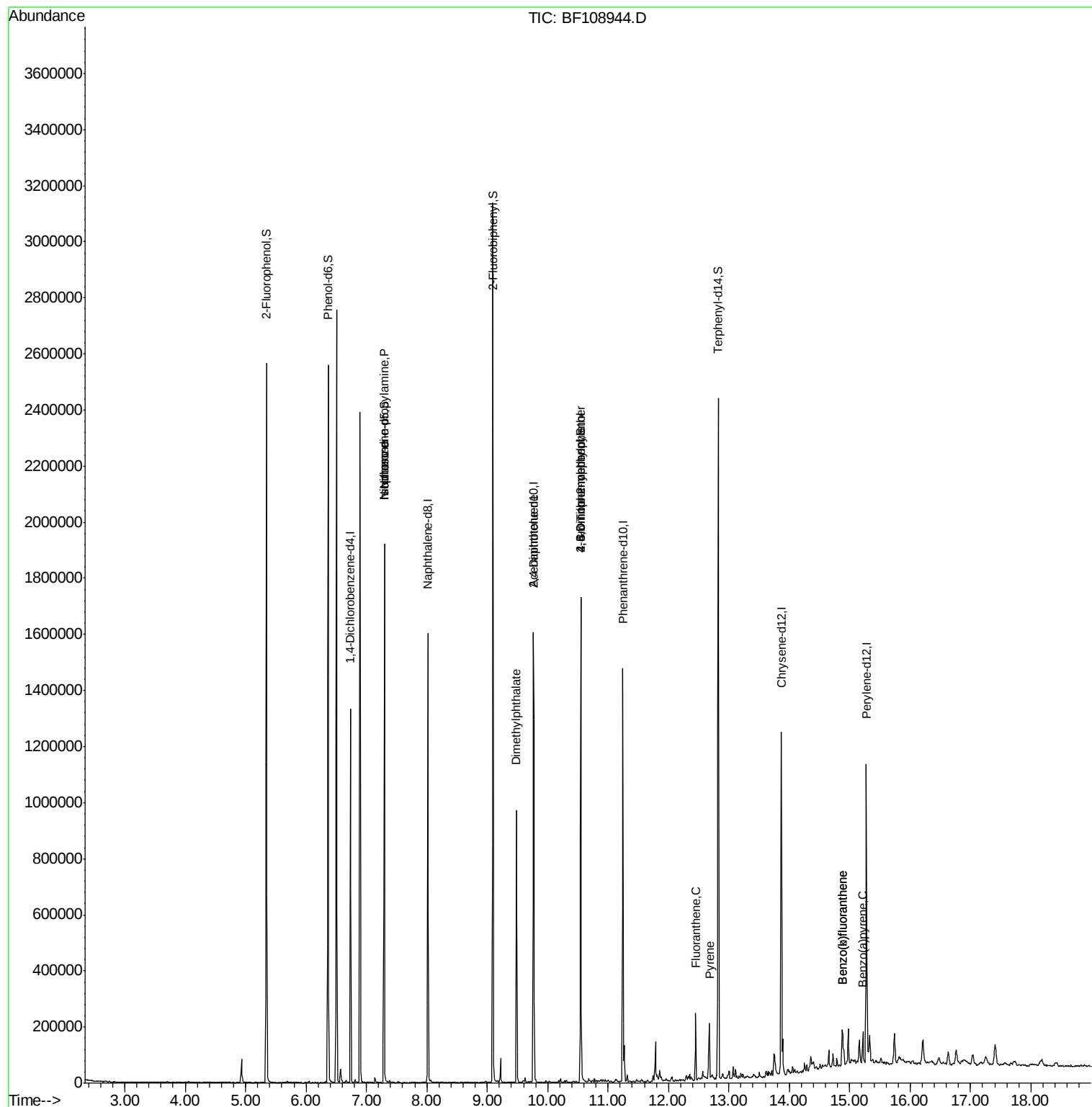
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	173211	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	650176	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	298417	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	504430	20.00	ng	0.00
75) Chrysene-d12	13.87	240	404876	20.00	ng	0.00
86) Perylene-d12	15.28	264	460964	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	735571	70.35	ng	0.01
7) Phenol-d6	6.37	99	955128	71.00	ng	0.00
23) Nitrobenzene-d5	7.30	82	594581	57.23	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	204051	71.63	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	963734	55.09	ng	0.00
78) Terphenyl-d14	12.82	244	742139	42.74	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.30	70	78418	8.386	ng	# 75
25) Isophorone	7.30	82	589361	28.439	ng	# 64
49) Dimethylphthalate	9.48	163	362813	17.383	ng	# 99
56) 2,4-Dinitrotoluene	9.77	165	38121	7.495	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.55	198	514	7.090	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	12578	2.208	ng	# 1
74) Fluoranthene	12.45	202	88237	3.700	ng	97
77) Pyrene	12.68	202	81655	2.621	ng	95
87) Benzo(b)fluoranthene	14.88	252	88581	3.534	ng	# 96
88) Benzo(k)fluoranthene	14.88	252	88581	3.838	ng	99
89) Benzo(a)pyrene	15.22	252	48388	2.139	ng	99

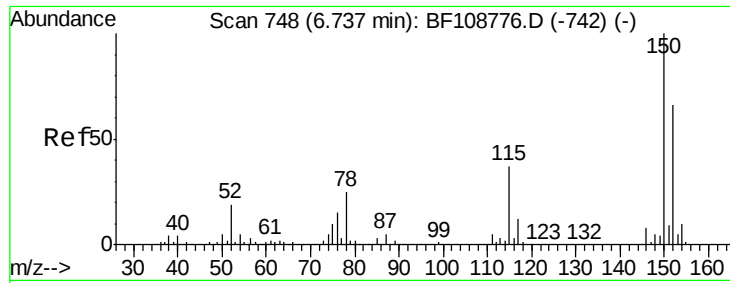
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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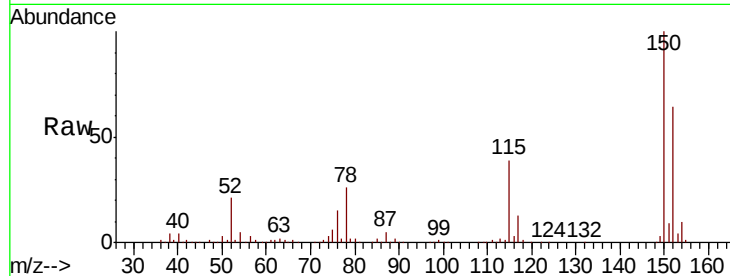


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 748
Delta R.T. 0.00 min
Lab File: BF108944.D
Acq: 11 Sep 2018 19:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.6	186.8
115	61.1	50.1	75.1

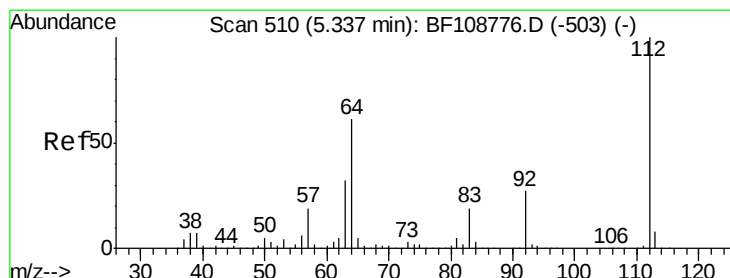
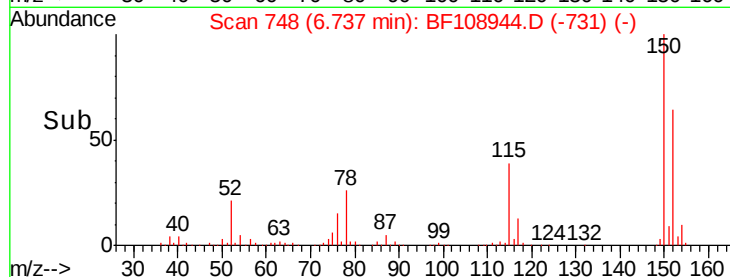
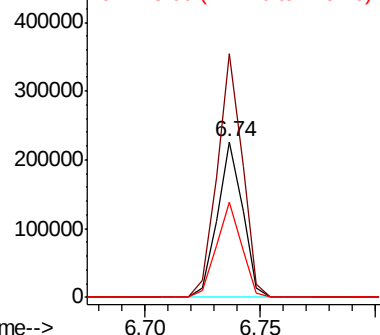


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

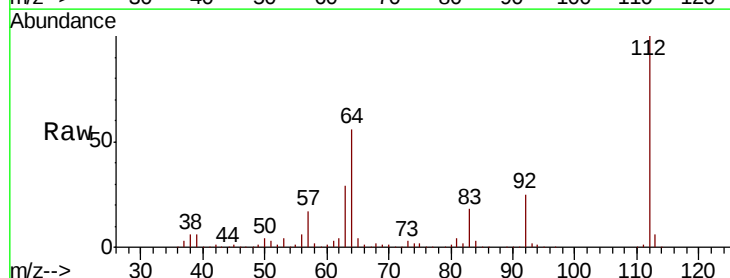
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 70.353 ng
RT: 5.35 min Scan# 512
Delta R.T. 0.01 min
Lab File: BF108944.D
Acq: 11 Sep 2018 19:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	47.9	71.9
63	29.2	23.7	35.5

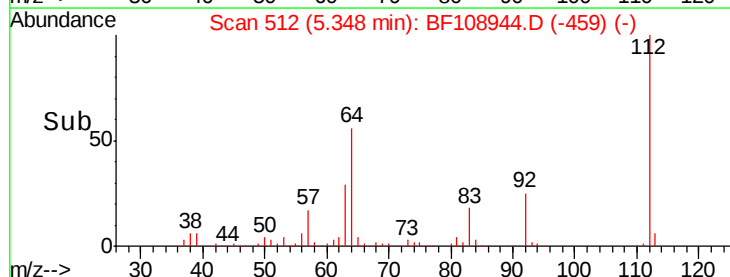
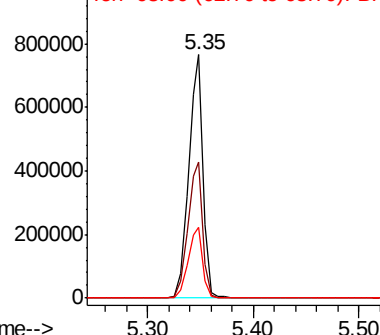


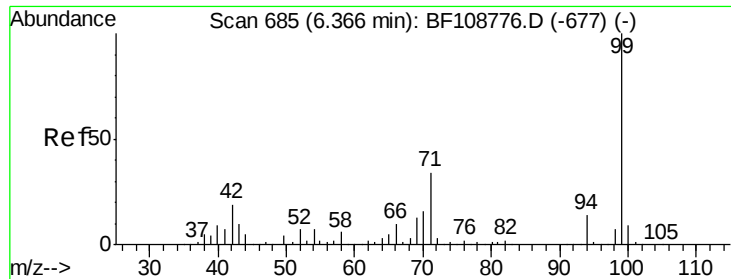
Abundance

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: 71.000 ng

RT: 6.37 min Scan# 685

Delta R.T. 0.00 min

Lab File: BF108944.D

Acq: 11 Sep 2018 19:17

Instrument :

BNA_F

ClientSampleId :

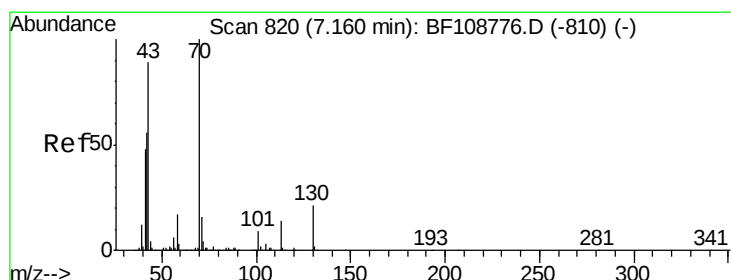
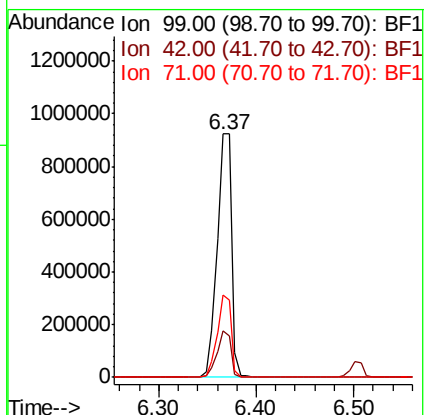
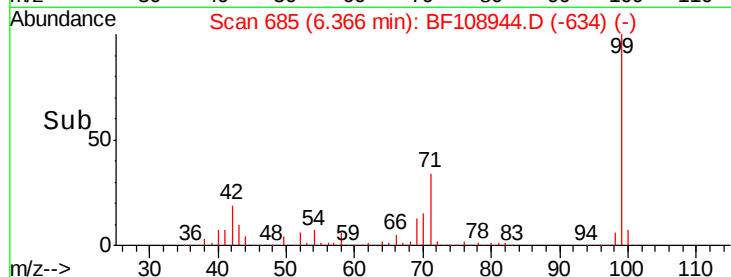
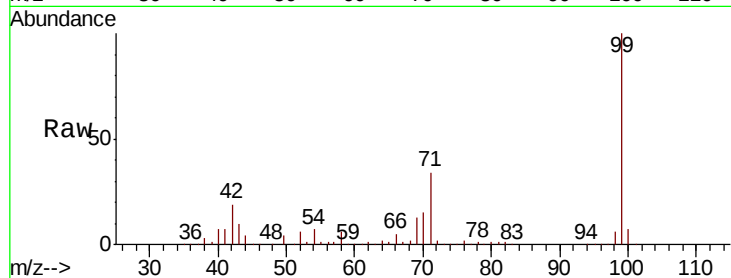
Tot Ion: 99 Resp: 955128

Ion Ratio Lower Upper

99 100

42 19.1 14.5 21.7

71 33.6 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 8.386 ng

RT: 7.30 min Scan# 843

Delta R.T. 0.14 min

Lab File: BF108944.D

Acq: 11 Sep 2018 19:17

Tgt Ion: 70 Resp: 78418

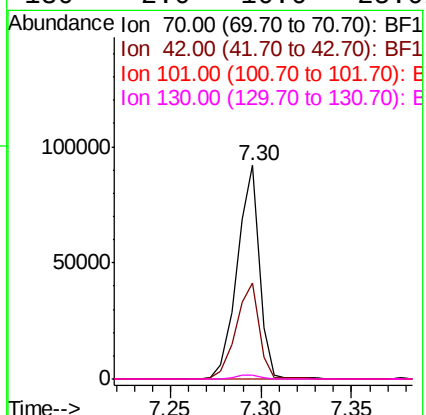
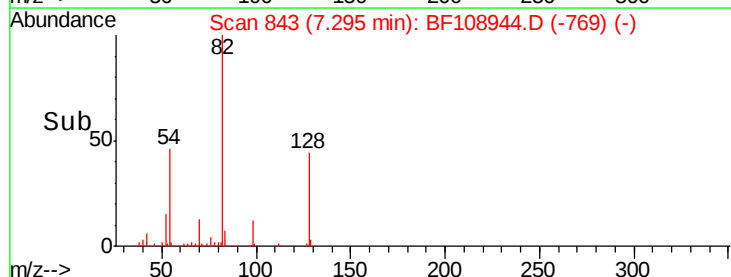
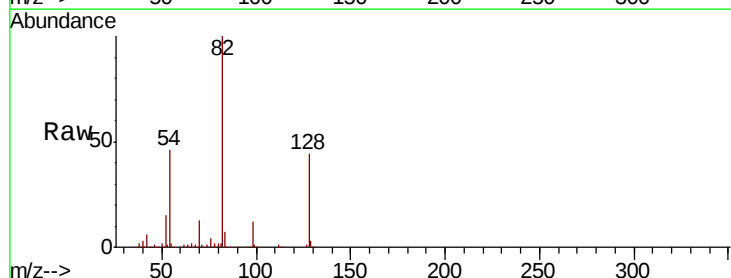
Ion Ratio Lower Upper

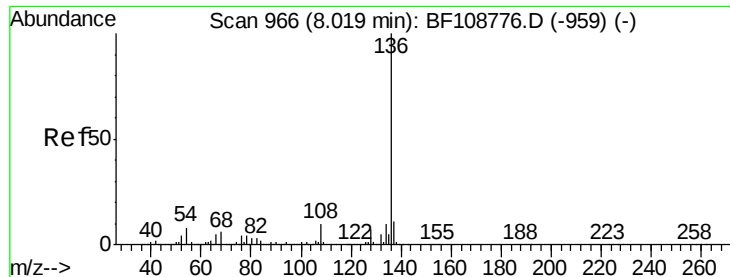
70 100

42 44.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

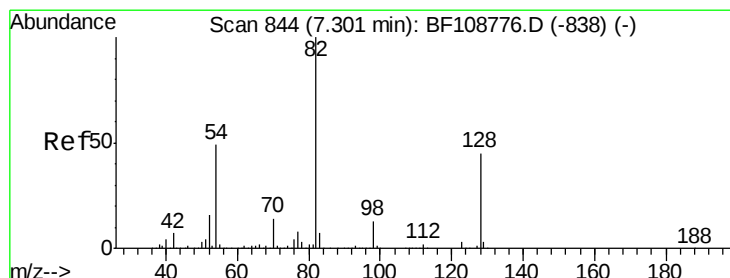
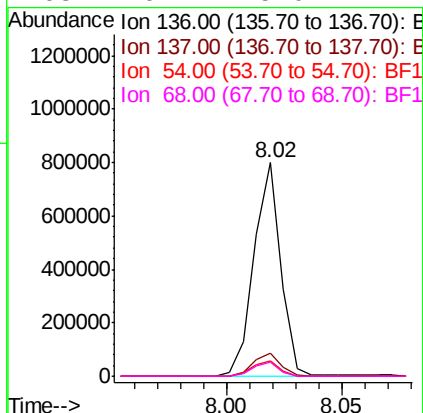
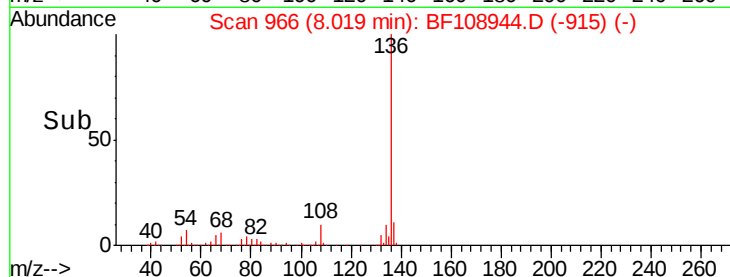
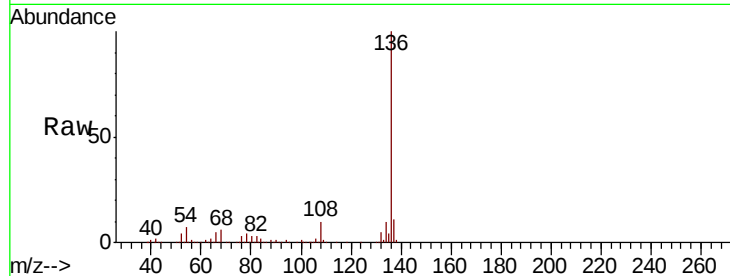




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 966
Delta R.T. 0.00 min
Lab File: BF108944.D
Acq: 11 Sep 2018 19:17

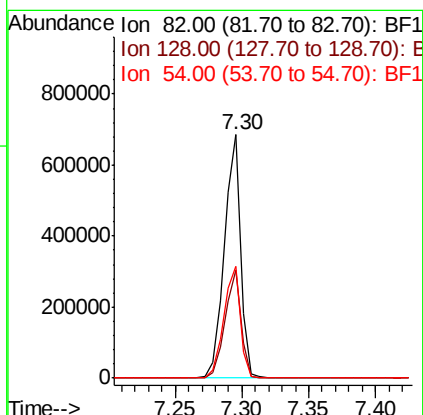
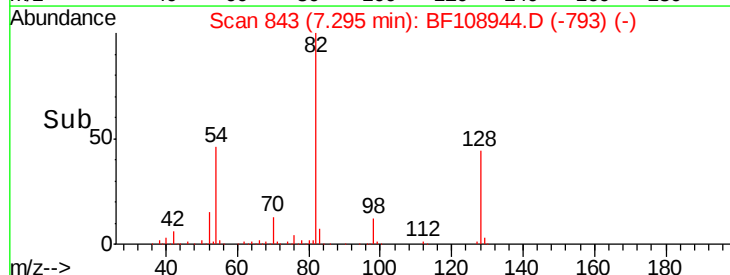
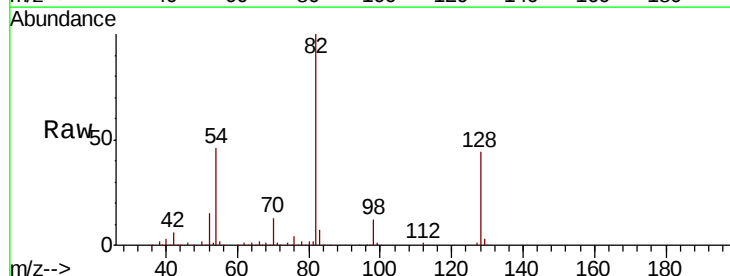
Instrument :
BNA_F
ClientSampleId :

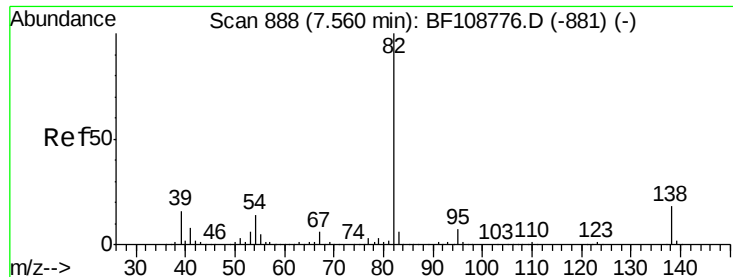
Tot Ion:136	Resp:	650176
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.9 13.3
54	7.5	6.6 9.8
68	6.4	5.0 7.4



#23
Nitrobenzene-d5
Concen: 57.230 ng
RT: 7.30 min Scan# 843
Delta R.T. -0.01 min
Lab File: BF108944.D
Acq: 11 Sep 2018 19:17

Tgt Ion: 82	Resp:	594581
Ion	Ratio	Lower Upper
82	100	
128	44.4	36.1 54.1
54	45.8	41.4 62.2





#25

Isophorone

Concen: 28.439 ng

RT: 7.30 min Scan# 843

Delta R.T. -0.26 min

Lab File: BF108944.D

Acq: 11 Sep 2018 19:17

Instrument :

BNA_F

ClientSampleId :

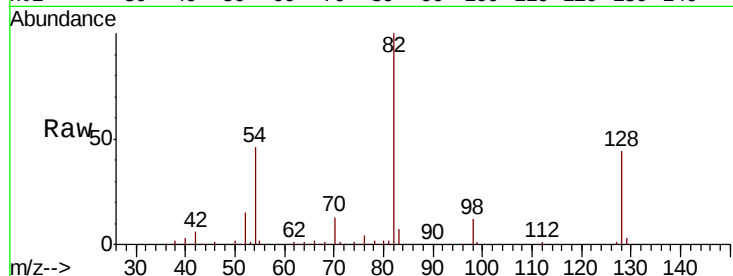
Tot Ion: 82 Resp: 589361

Ion Ratio Lower Upper

82 100

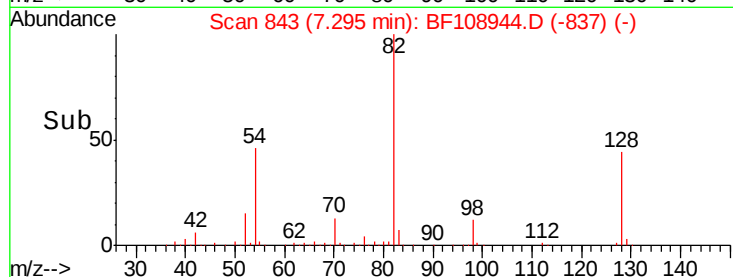
95 0.0 5.2 7.8#

138 0.0 14.9 22.3#

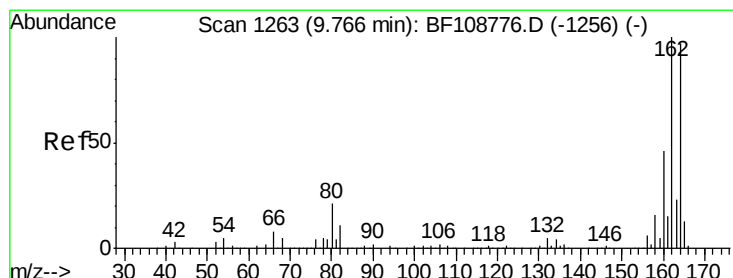


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): E

7.30



Time-->



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.77 min Scan# 1263

Delta R.T. 0.00 min

Lab File: BF108944.D

Acq: 11 Sep 2018 19:17

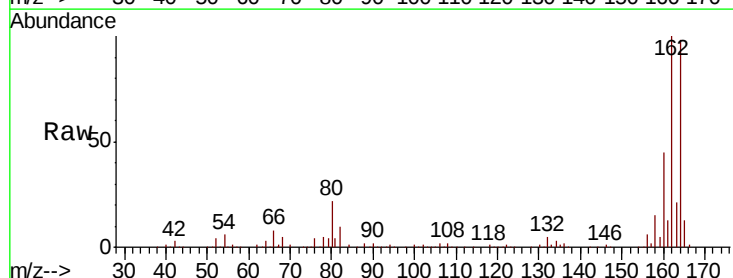
Tgt Ion: 164 Resp: 298417

Ion Ratio Lower Upper

164 100

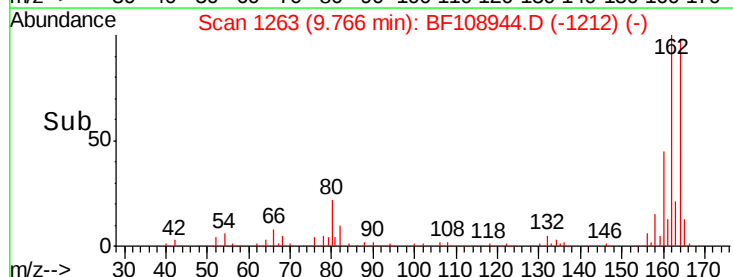
162 102.4 86.1 129.1

160 46.1 38.3 57.5

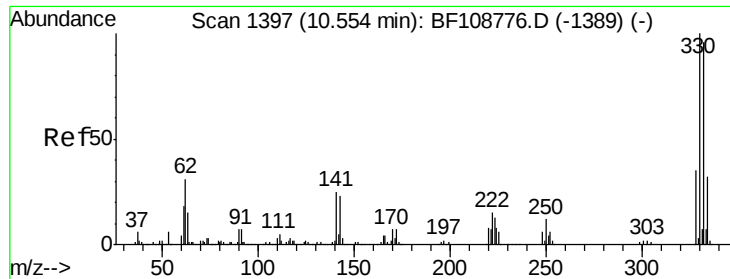


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

9.77



Time-->



#41

2,4,6-Tribromophenol

Concen: 71.626 ng

RT: 10.55 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BF108944.D

Acq: 11 Sep 2018 19:17

Instrument :

BNA_F

ClientSampled :

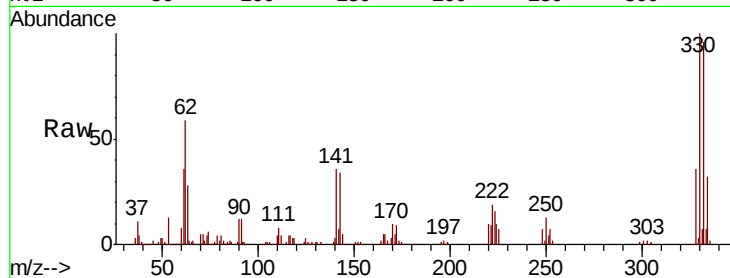
Tot Ion:330 Resp: 204051

Ion Ratio Lower Upper

330 100

332 96.1 77.0 115.6

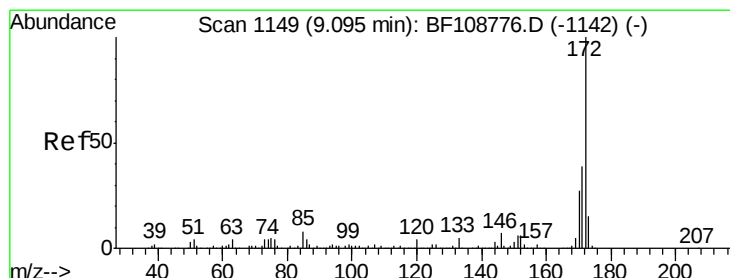
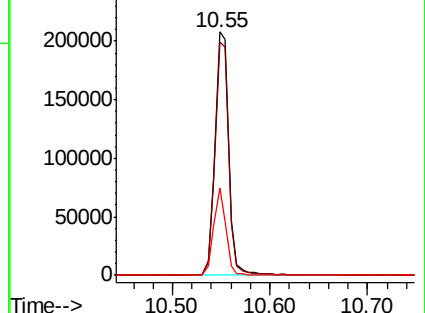
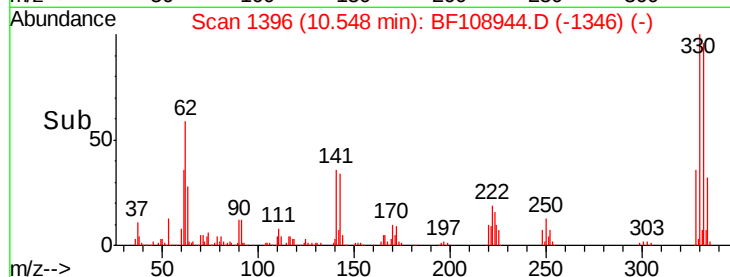
141 32.4 29.9 44.9



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: 55.095 ng

RT: 9.10 min Scan# 1149

Delta R.T. 0.00 min

Lab File: BF108944.D

Acq: 11 Sep 2018 19:17

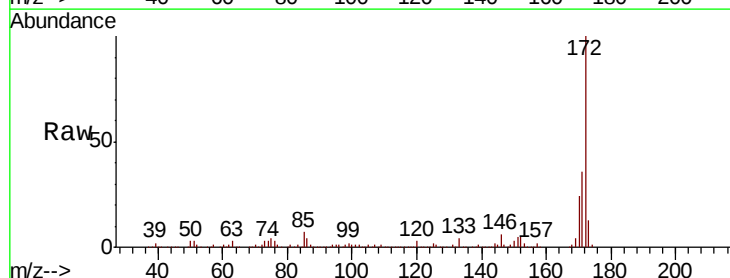
Tgt Ion:172 Resp: 963734

Ion Ratio Lower Upper

172 100

171 35.9 29.7 44.5

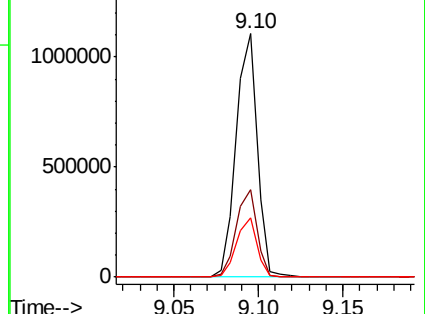
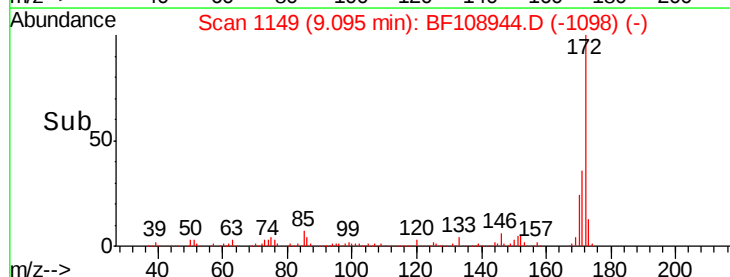
170 24.3 19.6 29.4

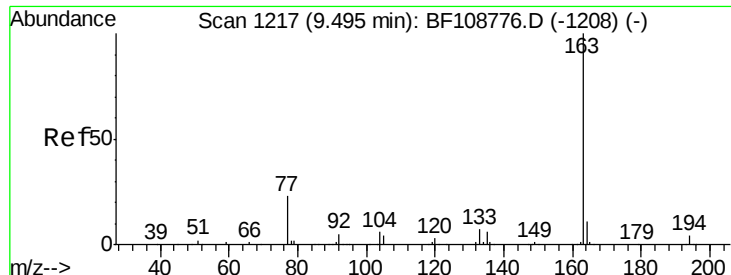


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

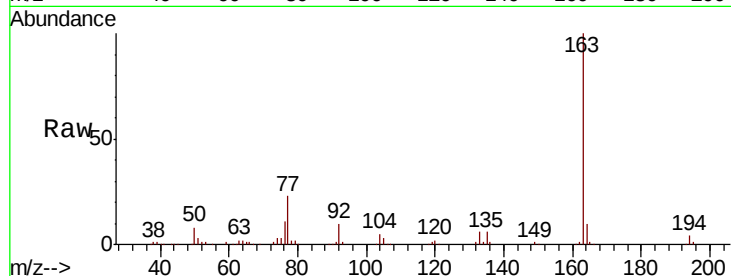




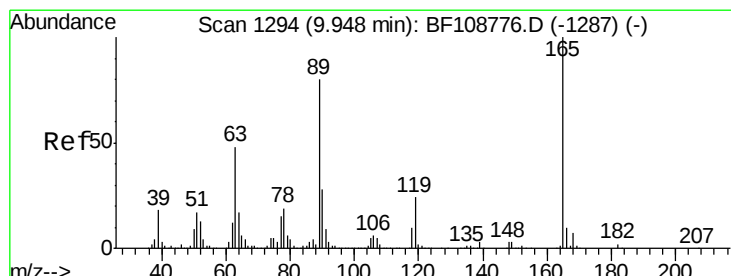
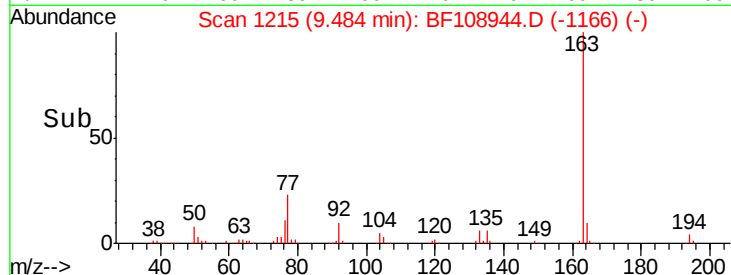
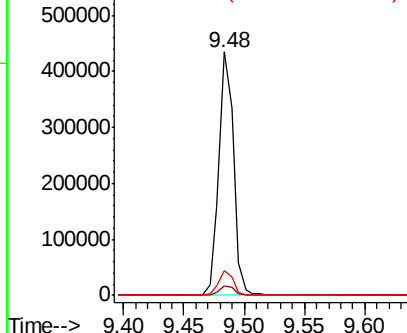
#49
Dimethylphthalate
Concen: 17.383 ng
RT: 9.48 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF108944.D
Acq: 11 Sep 2018 19:17

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 362813
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 10.4 8.2 12.2

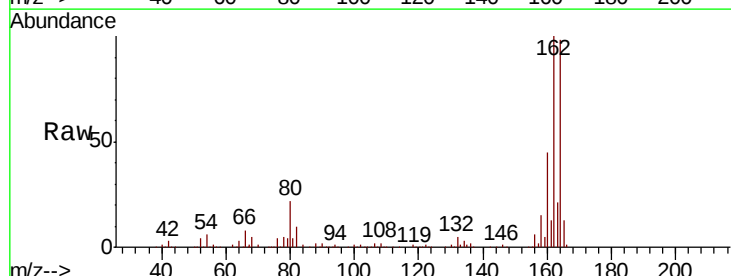


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

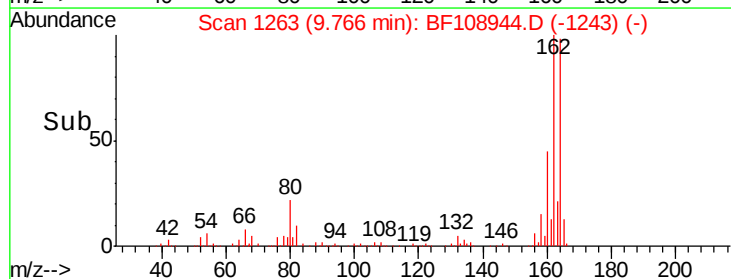
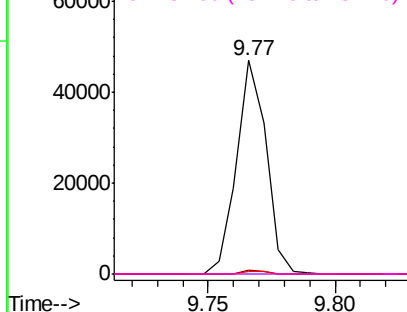


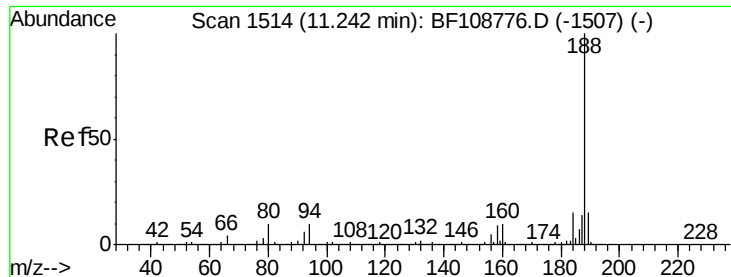
#56
2,4-Dinitrotoluene
Concen: 7.495 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.18 min
Lab File: BF108944.D
Acq: 11 Sep 2018 19:17

Tgt Ion:165 Resp: 38121
Ion Ratio Lower Upper
165 100
63 1.5 36.4 54.6#
89 1.4 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: BF108944.D

Acq: 11 Sep 2018 19:17

Instrument :

BNA_F

ClientSampleId :

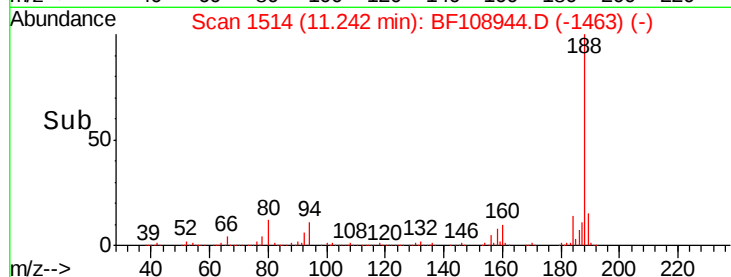
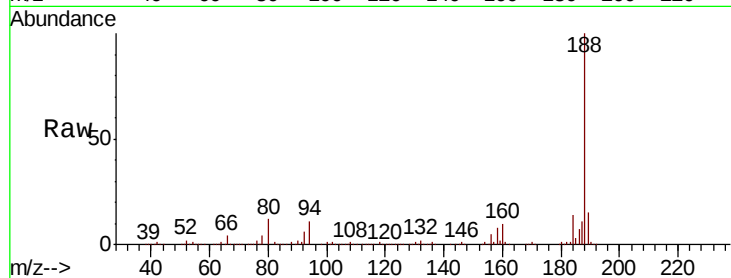
Tot Ion:188 Resp: 504430

Ion Ratio Lower Upper

188 100

94 10.9 8.5 12.7

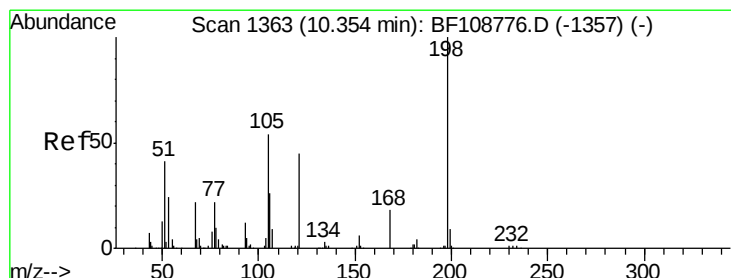
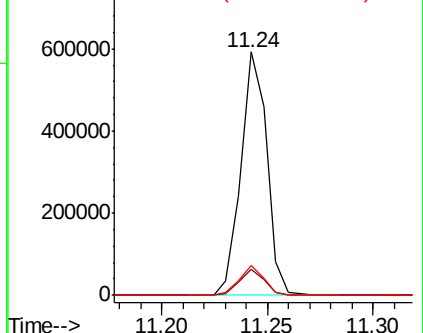
80 12.0 9.2 13.8



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: 7.090 ng

RT: 10.55 min Scan# 1396

Delta R.T. 0.19 min

Lab File: BF108944.D

Acq: 11 Sep 2018 19:17

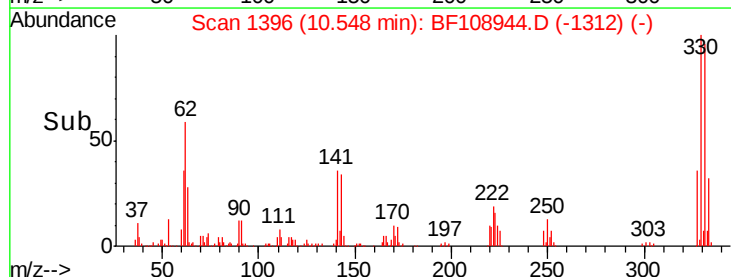
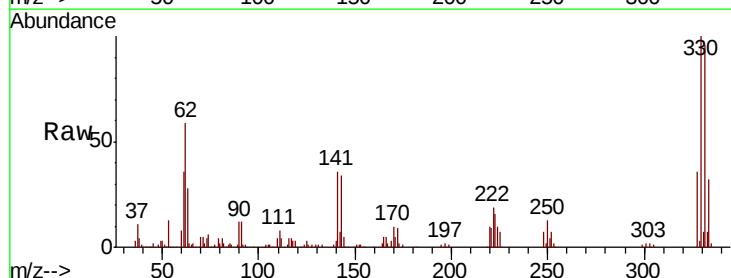
Tgt Ion:198 Resp: 514

Ion Ratio Lower Upper

198 100

51 225.1 37.7 77.7#

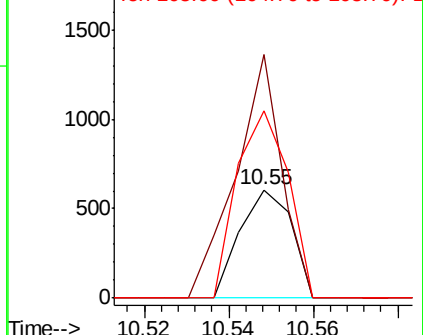
105 173.7 36.3 76.3#

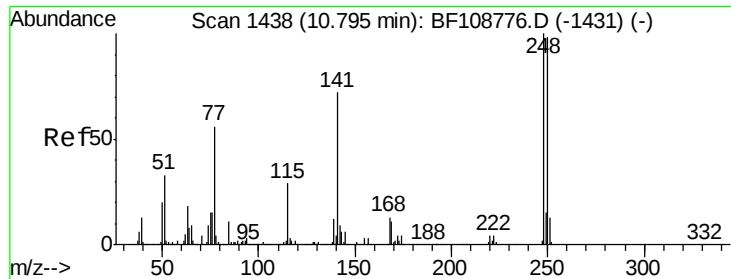


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

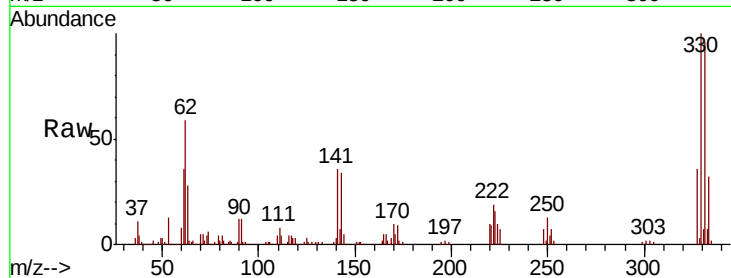




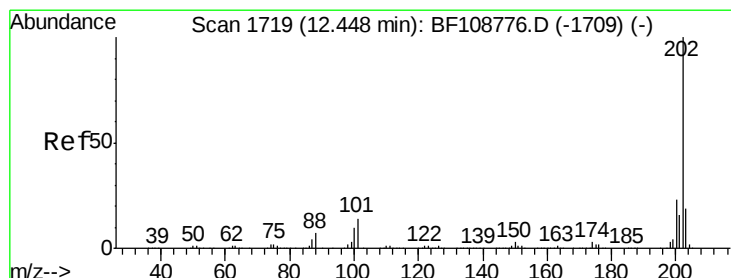
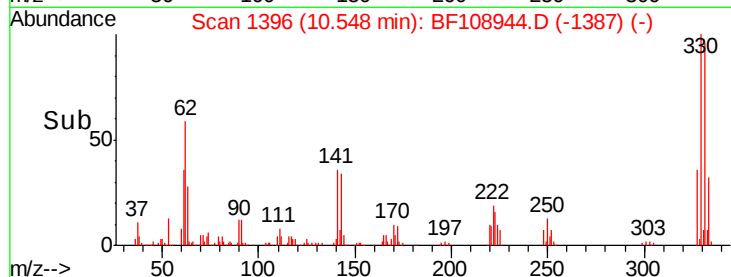
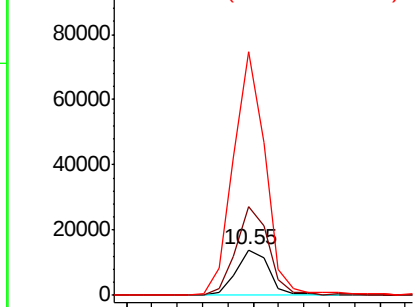
#66
4-Bromophenyl-phenylether
Concen: 2.208 ng
RT: 10.55 min Scan# 1396
Delta R.T. -0.25 min
Lab File: BF108944.D
Acq: 11 Sep 2018 19:17

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 12578
Ion Ratio Lower Upper
248 100
250 193.8 76.9 115.3#
141 535.1 74.4 111.6#

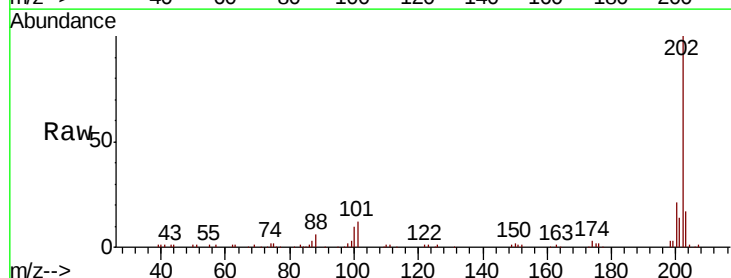


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

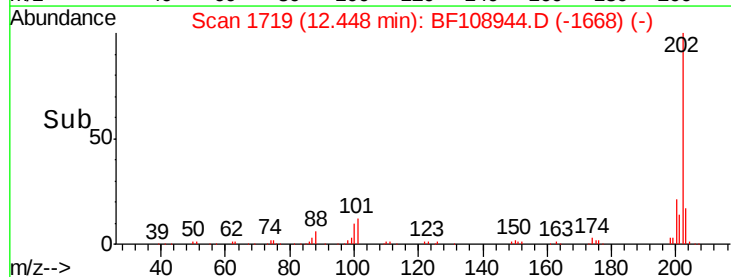
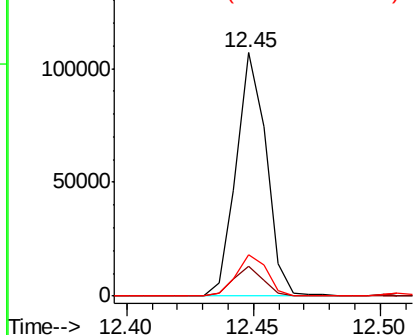


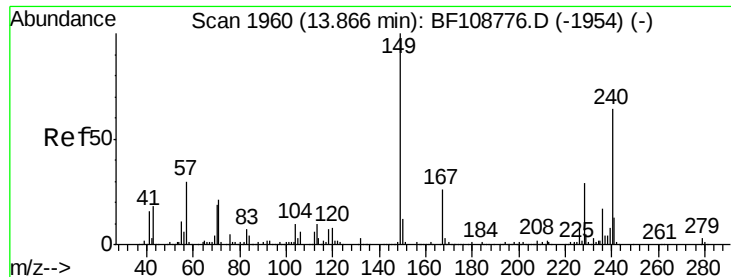
#74
Fluoranthene
Concen: 3.700 ng
RT: 12.45 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BF108944.D
Acq: 11 Sep 2018 19:17

Tgt Ion:202 Resp: 88237
Ion Ratio Lower Upper
202 100
101 12.5 0.0 34.1
203 16.9 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# 1961

Delta R.T. 0.01 min

Lab File: BF108944.D

Acq: 11 Sep 2018 19:17

Instrument :

BNA_F

ClientSampled :

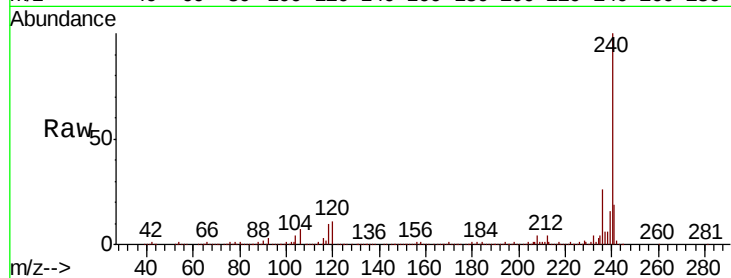
Tot Ion:240 Resp: 404876

Ion Ratio Lower Upper

240 100

120 11.3 9.5 14.3

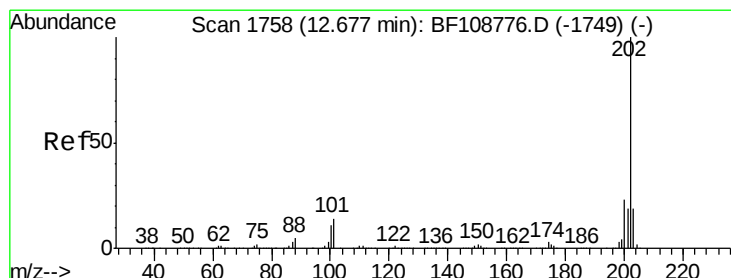
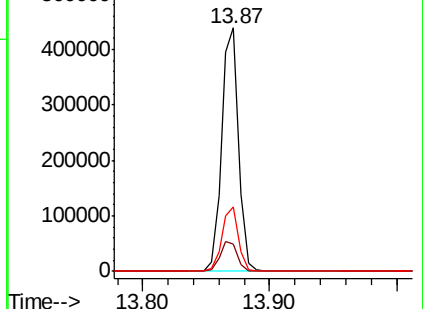
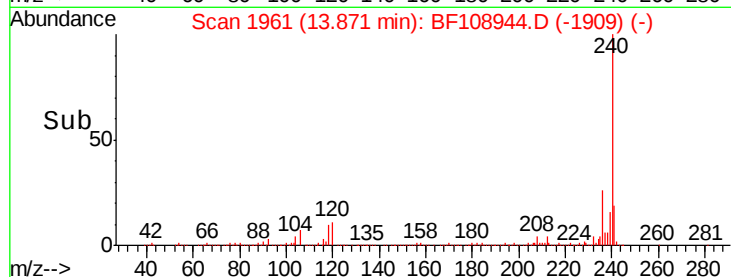
236 26.4 20.7 31.1



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

Pyrene

Concen: 2.621 ng

RT: 12.68 min Scan# 1758

Delta R.T. 0.00 min

Lab File: BF108944.D

Acq: 11 Sep 2018 19:17

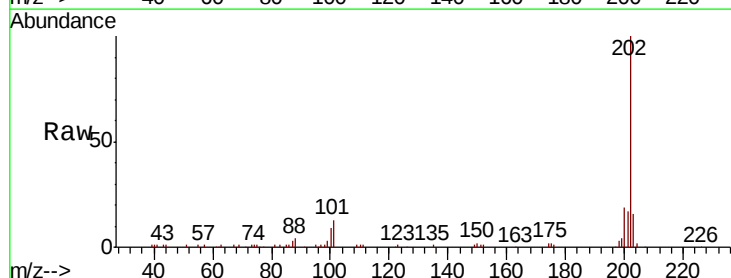
Tgt Ion:202 Resp: 81655

Ion Ratio Lower Upper

202 100

200 18.8 17.4 26.2

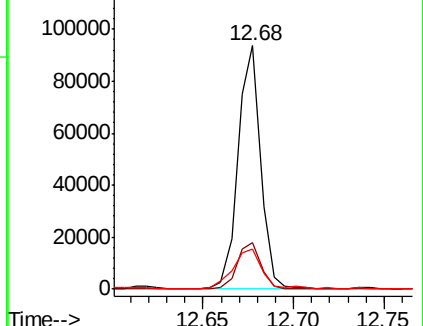
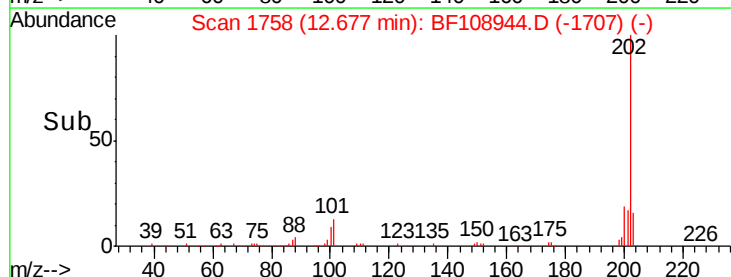
203 16.2 14.3 21.5

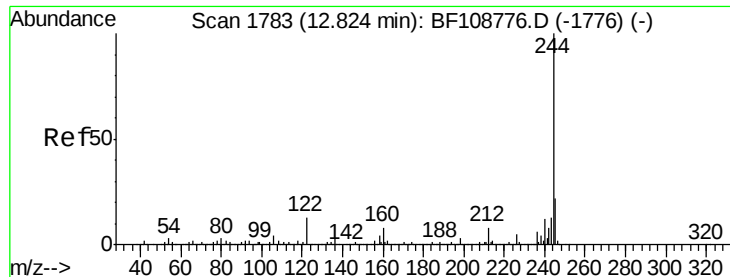


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 42.744 ng

RT: 12.82 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF108944.D

Acq: 11 Sep 2018 19:17

Instrument :

BNA_F

ClientSampled :

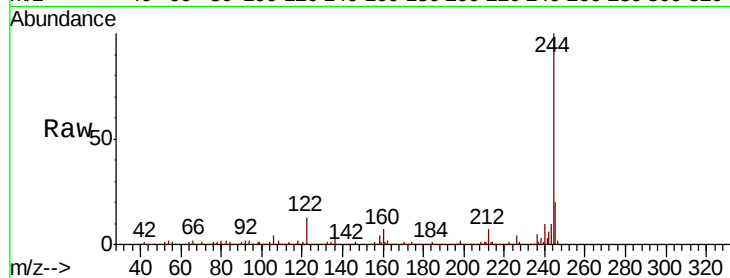
Tot Ion:244 Resp: 742139

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

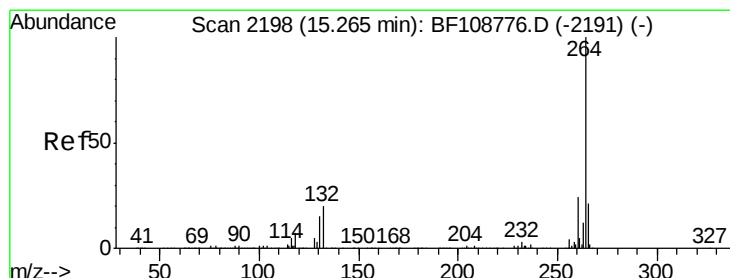
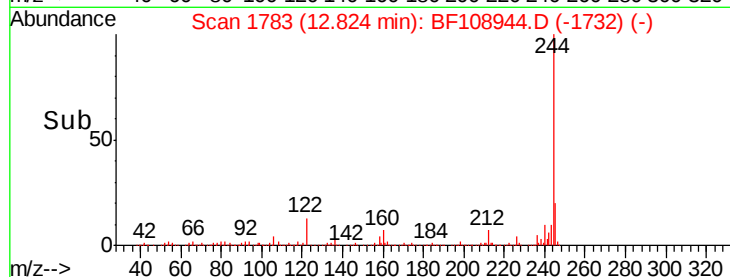
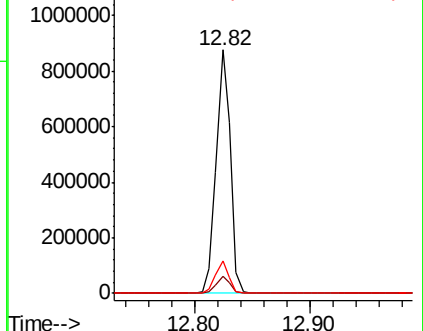
122 13.2 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.28 min Scan# 2200

Delta R.T. 0.01 min

Lab File: BF108944.D

Acq: 11 Sep 2018 19:17

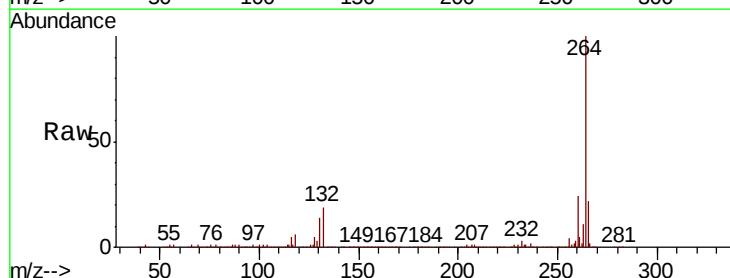
Tgt Ion:264 Resp: 460964

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

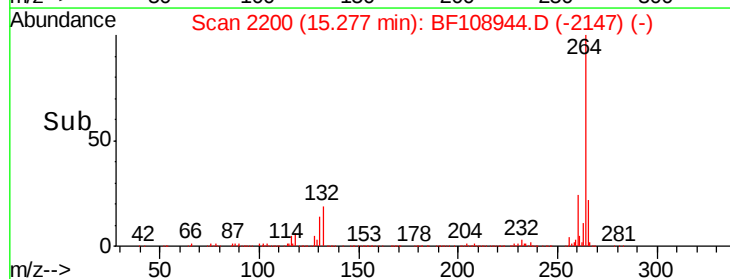
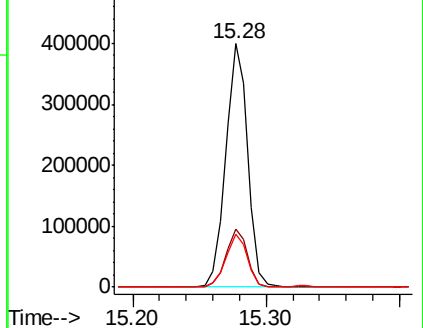
265 21.6 17.5 26.3

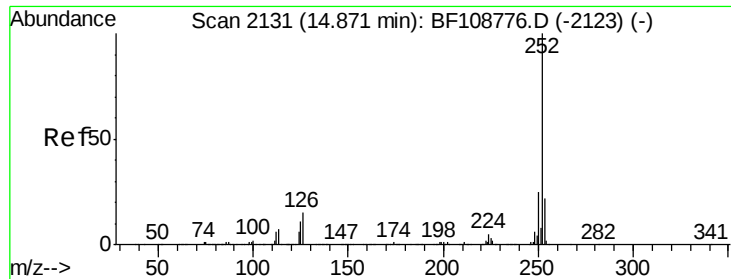


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

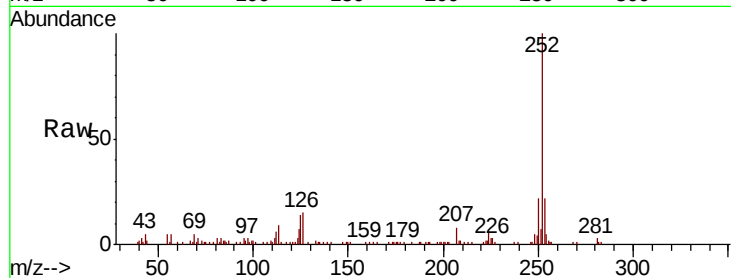




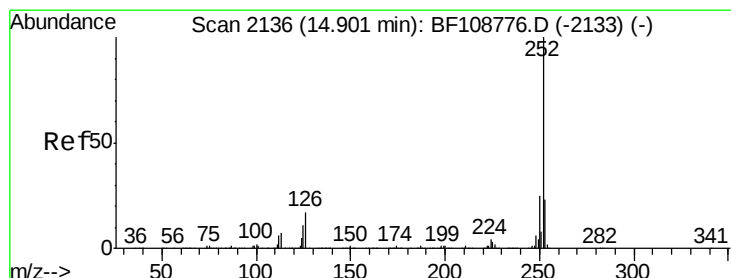
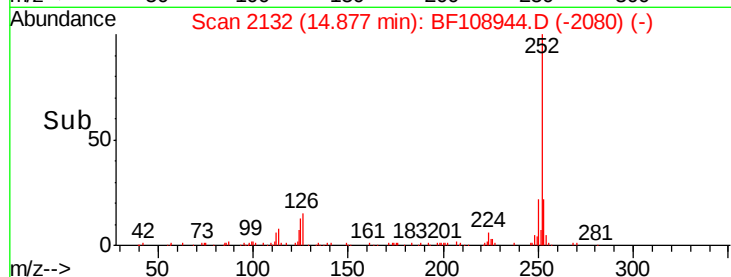
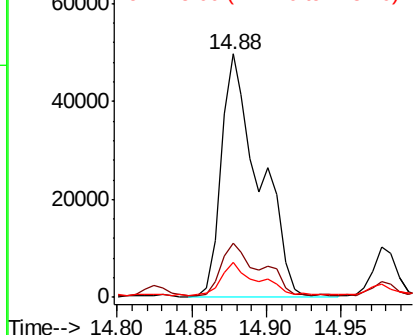
#87
Benzo(b)fluoranthene
Concen: 3.534 ng
RT: 14.88 min Scan# 2132
Delta R.T. 0.01 min
Lab File: BF108944.D
Acq: 11 Sep 2018 19:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 88581
Ion Ratio Lower Upper
252 100
253 22.4 17.0 25.6
125 14.2 9.0 13.6#

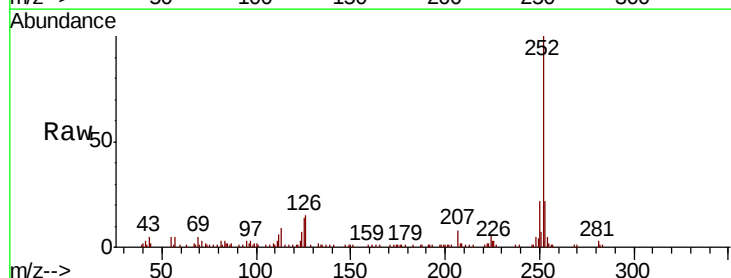


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

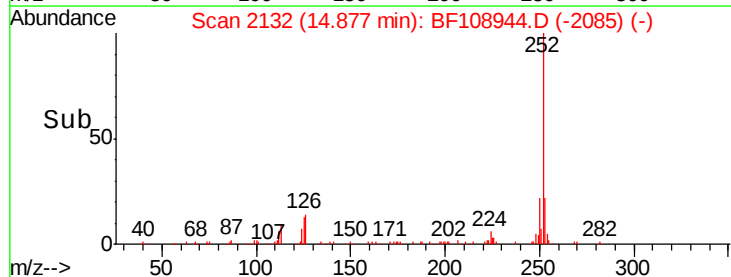
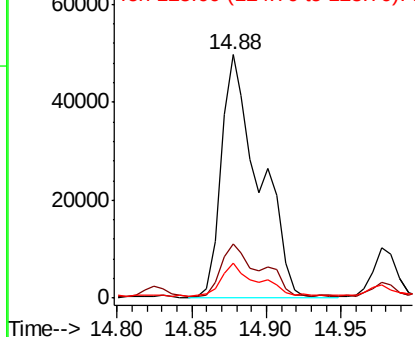


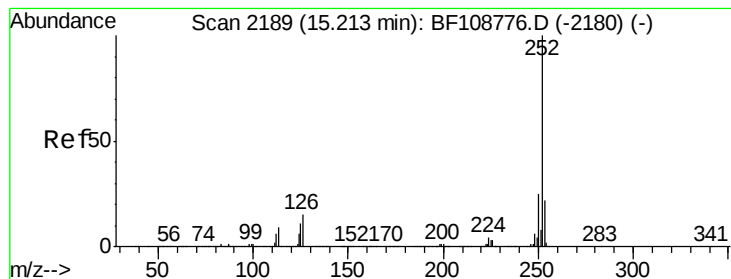
#88
Benzo(k)fluoranthene
Concen: 3.838 ng
RT: 14.88 min Scan# 2132
Delta R.T. -0.02 min
Lab File: BF108944.D
Acq: 11 Sep 2018 19:17

Tgt Ion:252 Resp: 88581
Ion Ratio Lower Upper
252 100
253 22.4 17.9 26.9
125 14.2 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





#89

Benzo(a)pyrene

Concen: 2.139 ng

RT: 15.22 min Scan# 2190

Delta R.T. 0.01 min

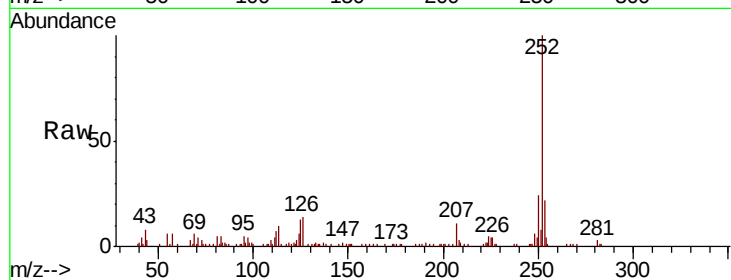
Lab File: BF108944.D

Acq: 11 Sep 2018 19:17

Instrument :

BNA_F

ClientSampleId :



Tot Ion:252 Resp: 48388

Ion Ratio Lower Upper

252 100

253 21.5 17.1 25.7

125 13.4 9.8 14.6

