

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091018\
 Data File : BF108898.D
 Acq On : 10 Sep 2018 17:37
 Operator : JU/SJ
 Sample : J4777-09 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 10 18:51:50 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

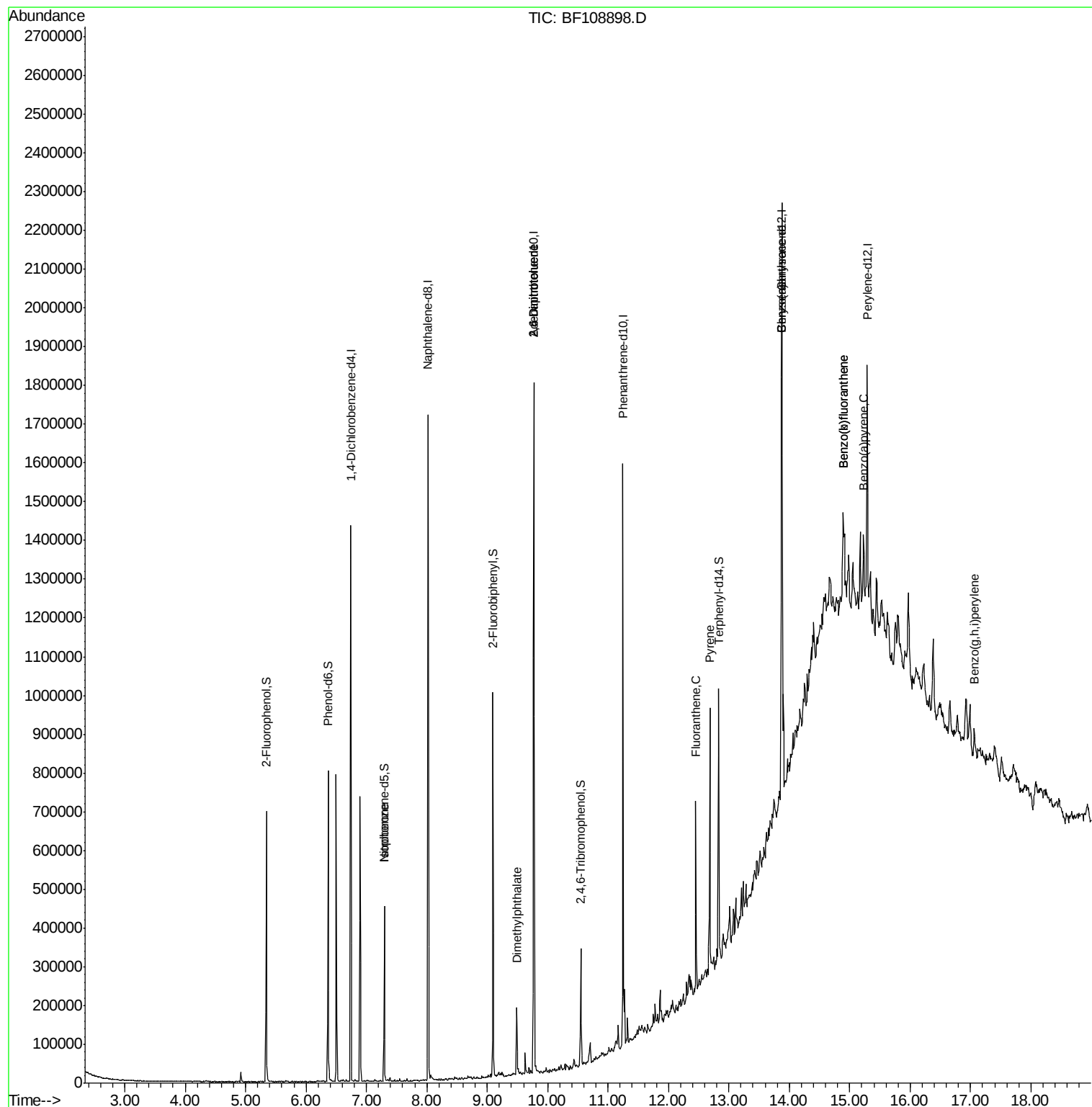
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	214825	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	774263	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	312504	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	491259	20.00	ng	0.00
75) Chrysene-d12	13.88	240	474447	20.00	ng	0.01
86) Perylene-d12	15.29	264	298613	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	194767	15.02	ng	0.00
7) Phenol-d6	6.37	99	246941	14.80	ng	0.00
23) Nitrobenzene-d5	7.30	82	137274	11.10	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	36615	12.27	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	267608	14.61	ng	0.00
78) Terphenyl-d14	12.83	244	217876	10.71	ng	0.00
Target Compounds						
25) Isophorone	7.30	82	134459	5.448	ng	# 64
49) Dimethylphthalate	9.49	163	59705	2.732	ng	# 97
50) 2,6-Dinitrotoluene	9.77	165	41307	9.918	ng	# 25
56) 2,4-Dinitrotoluene	9.77	165	41307	7.755	ng	# 23
74) Fluoranthene	12.45	202	189382	8.153	ng	99
77) Pyrene	12.68	202	266840	7.309	ng	99
80) Benzo(a)anthracene	13.87	228	109088	3.587	ng	91
82) Chrysene	13.87	228	109088	3.705	ng	96
87) Benzo(b)fluoranthene	14.89	252	170823	10.520	ng	# 84
88) Benzo(k)fluoranthene	14.89	252	170823	11.424	ng	# 87
89) Benzo(a)pyrene	15.23	252	83720	5.714	ng	# 85
91) Benzo(a,h,i)perylene	17.07	276	52402	4.054	ng	94

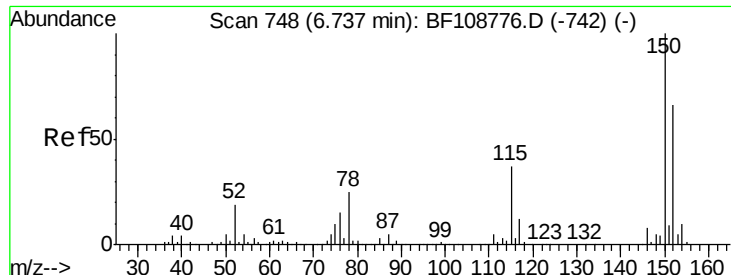
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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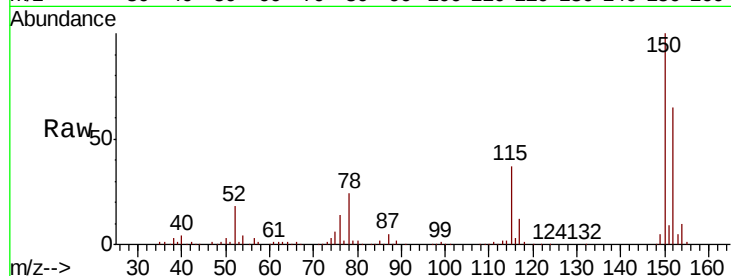


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 749
Delta R.T. 0.01 min
Lab File: BF108898.D
Acq: 10 Sep 2018 17:37

Instrument :
BNA_E
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.8	124.6	186.8
115	56.2	50.1	75.1

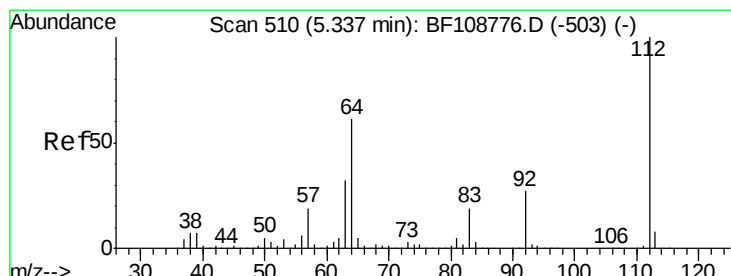
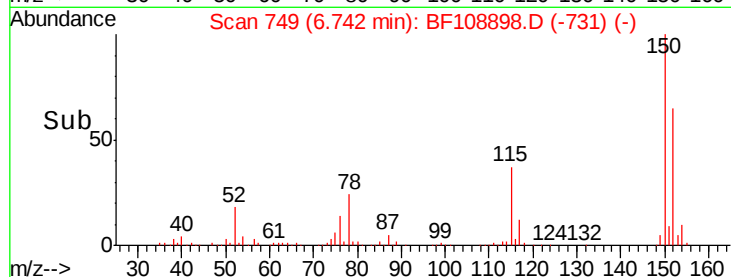
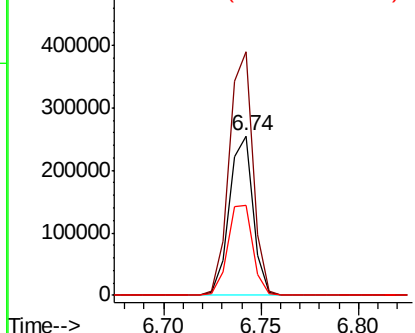


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

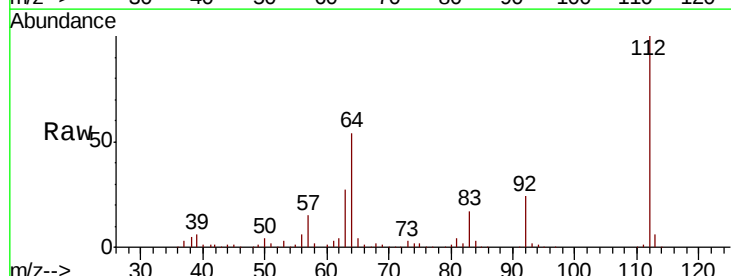
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 15.020 ng
RT: 5.34 min Scan# 511
Delta R.T. 0.01 min
Lab File: BF108898.D
Acq: 10 Sep 2018 17:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.5	47.9	71.9
63	27.1	23.7	35.5

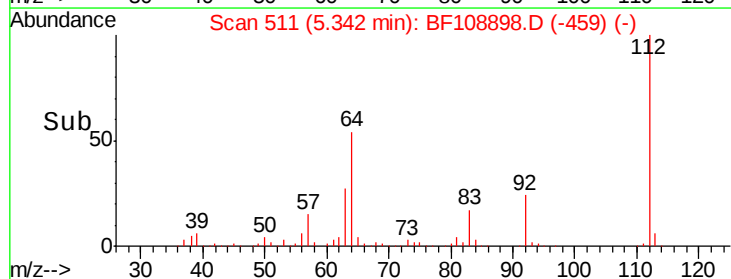
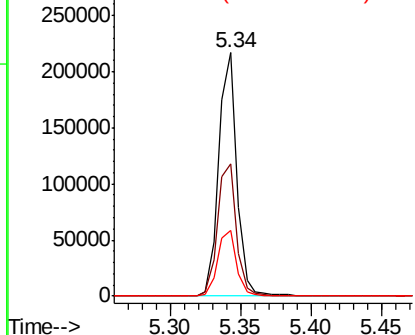


Abundance

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: 14.801 ng

RT: 6.37 min Scan# 685

Delta R.T. -0.00 min

Lab File: BF108898.D

Acq: 10 Sep 2018 17:37

Instrument :

BNA_E

ClientSampleId :

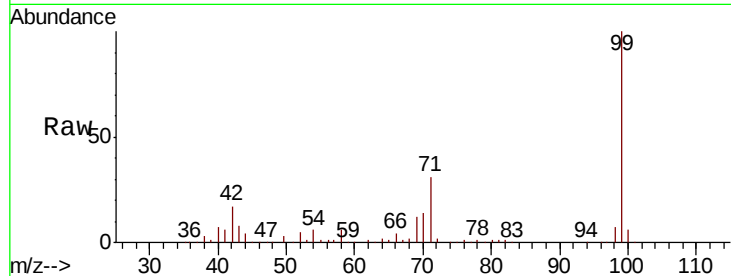
Tot Ion: 99 Resp: 246941

Ion Ratio Lower Upper

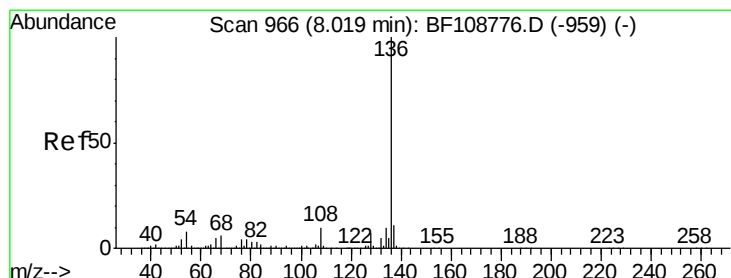
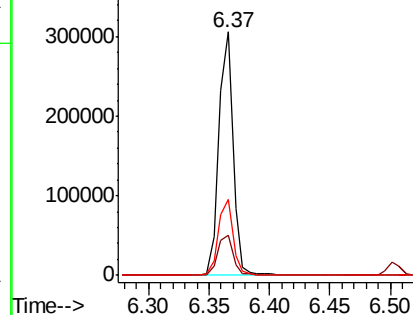
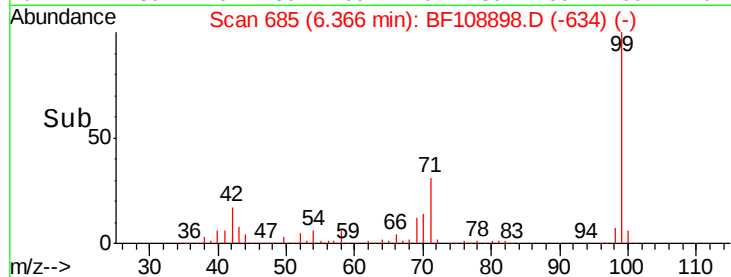
99 100

42 16.6 14.5 21.7

71 31.1 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 967

Delta R.T. 0.01 min

Lab File: BF108898.D

Acq: 10 Sep 2018 17:37

Tgt Ion: 136 Resp: 774263

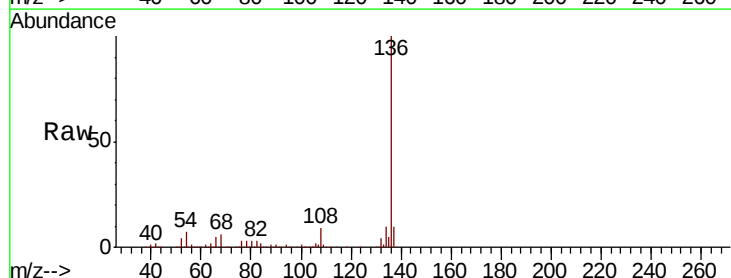
Ion Ratio Lower Upper

136 100

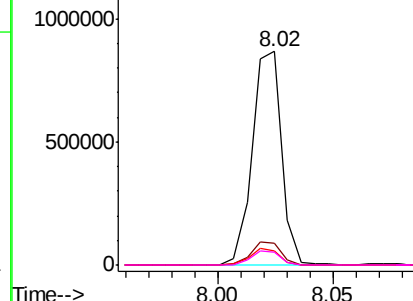
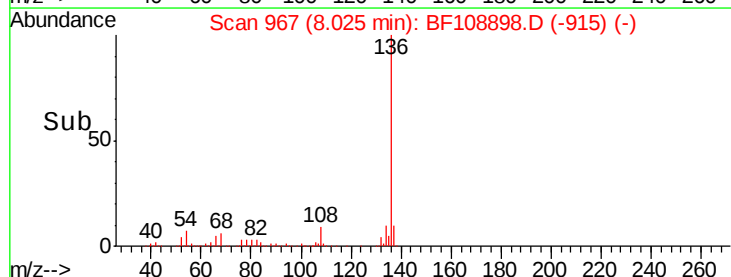
137 10.5 8.9 13.3

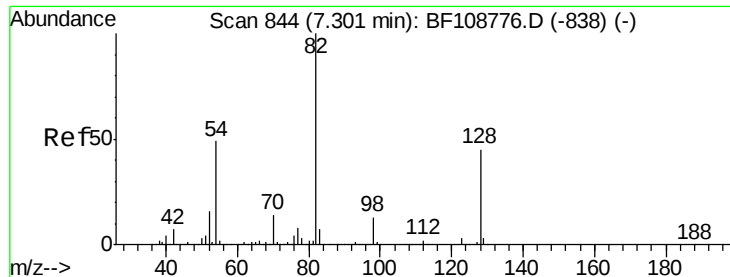
54 6.8 6.6 9.8

68 5.9 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

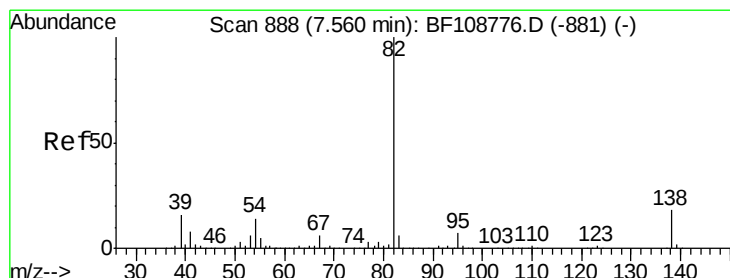
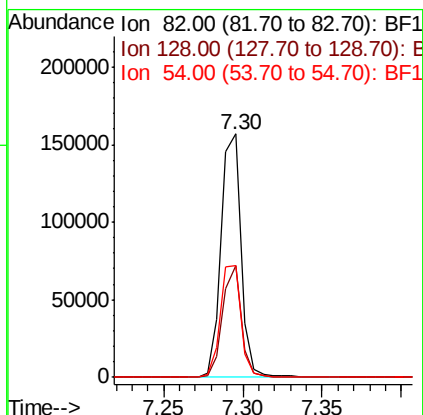
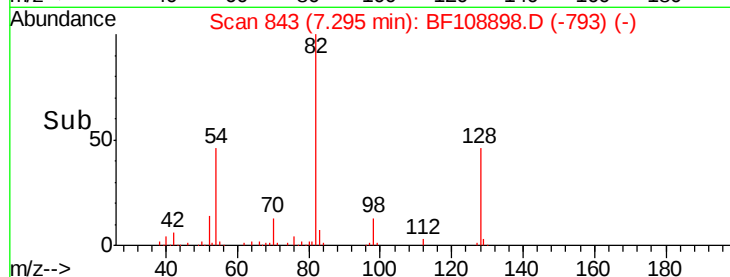
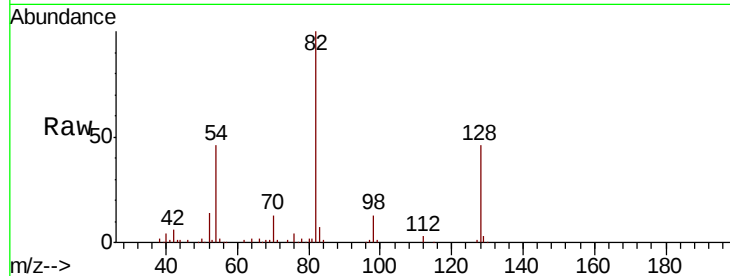




#23
Nitrobenzene-d5
Concen: 11.095 ng
RT: 7.30 min Scan# 843
Delta R.T. -0.01 min
Lab File: BF108898.D
Acq: 10 Sep 2018 17:37

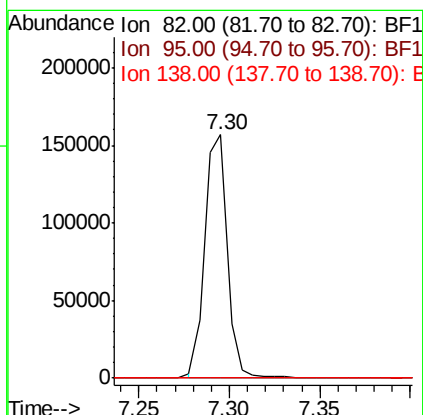
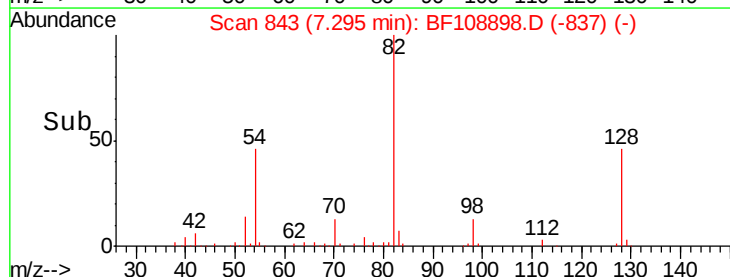
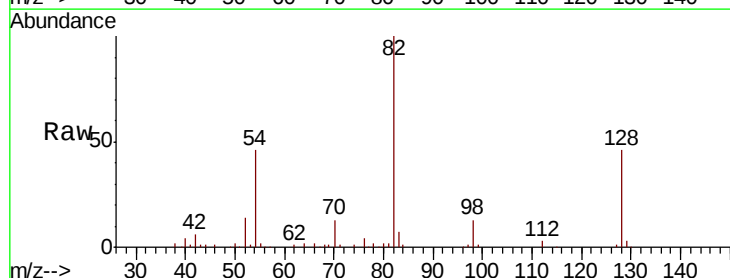
Instrument :
BNA_E
ClientSampleId :

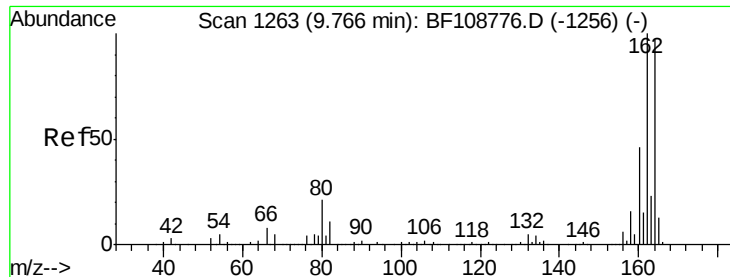
Tot Ion: 82 Resp: 137274
Ion Ratio Lower Upper
82 100
128 46.1 36.1 54.1
54 46.1 41.4 62.2



#25
Isophorone
Concen: 5.448 ng
RT: 7.30 min Scan# 843
Delta R.T. -0.26 min
Lab File: BF108898.D
Acq: 10 Sep 2018 17:37

Tgt Ion: 82 Resp: 134459
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#

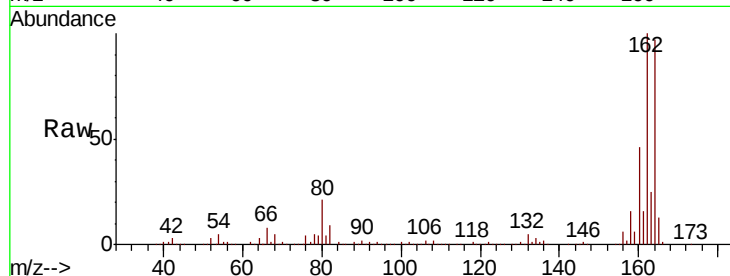




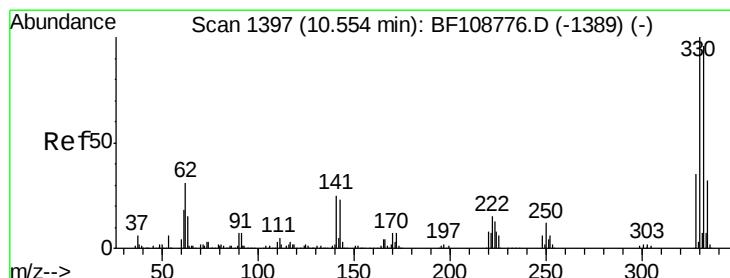
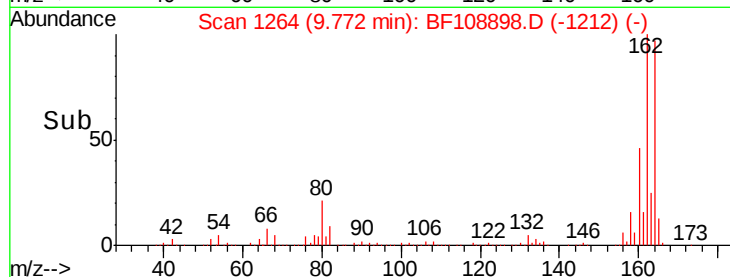
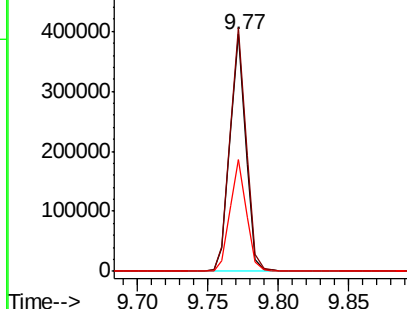
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1264
Delta R.T. 0.01 min
Lab File: BF108898.D
Acq: 10 Sep 2018 17:37

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 312504
Ion Ratio Lower Upper
164 100
162 102.7 86.1 129.1
160 47.1 38.3 57.5

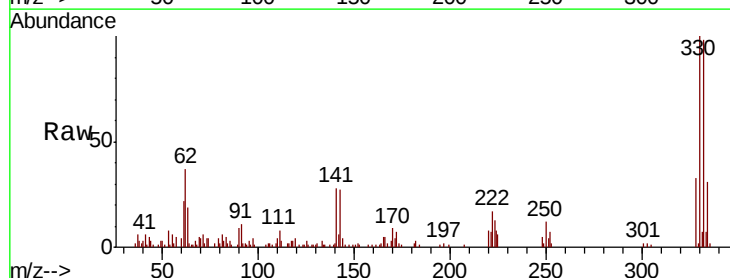


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

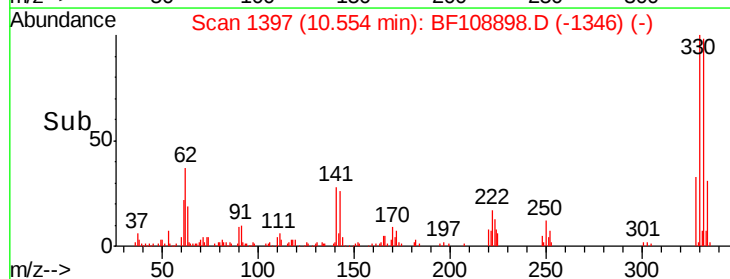
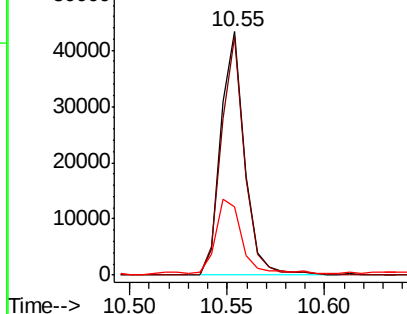


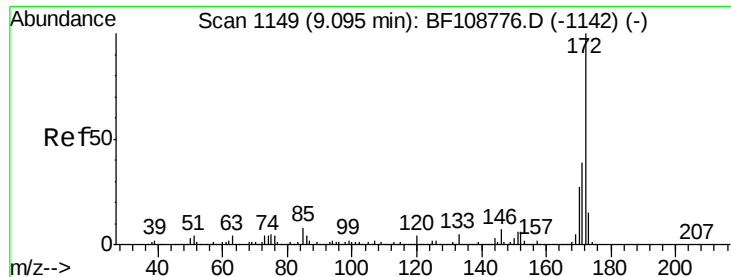
#41
2,4,6-Tribromophenol
Concen: 12.273 ng
RT: 10.55 min Scan# 1397
Delta R.T. -0.00 min
Lab File: BF108898.D
Acq: 10 Sep 2018 17:37

Tgt Ion:330 Resp: 36615
Ion Ratio Lower Upper
330 100
332 96.0 77.0 115.6
141 38.4 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

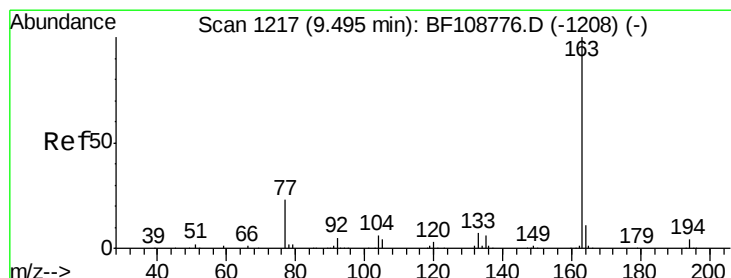
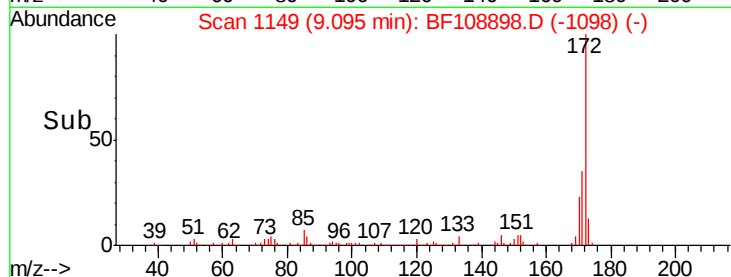
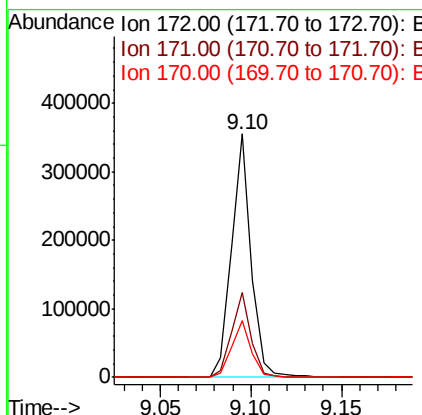
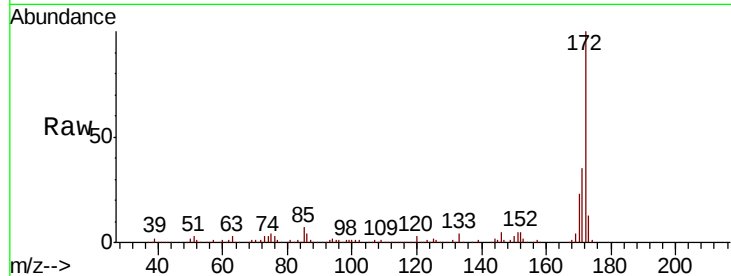




#44
 2-Fluorobiphenyl
 Concen: 14.609 ng
 RT: 9.10 min Scan# 1149
 Delta R.T. -0.00 min
 Lab File: BF108898.D
 Acq: 10 Sep 2018 17:37

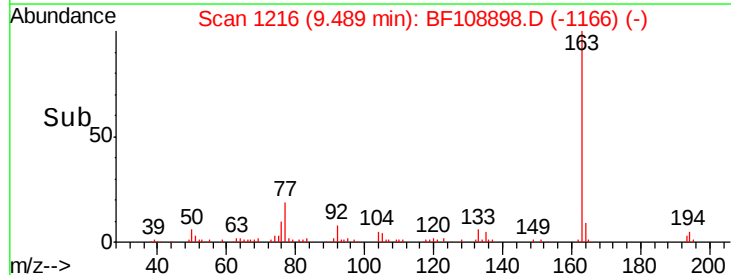
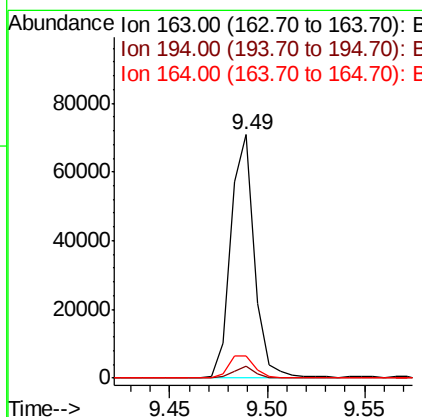
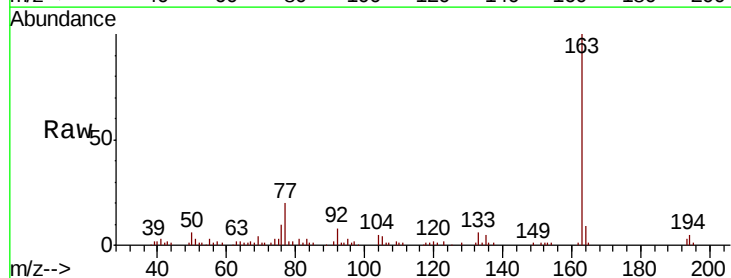
Instrument :
 BNA_E
 ClientSampleId :

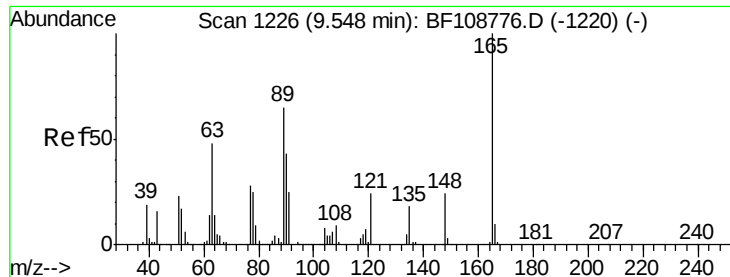
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.7	44.5
170	23.1	19.6	29.4



#49
 Dimethylphthalate
 Concen: 2.732 ng
 RT: 9.49 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF108898.D
 Acq: 10 Sep 2018 17:37

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.7	2.7	4.1#
164	9.2	8.2	12.2

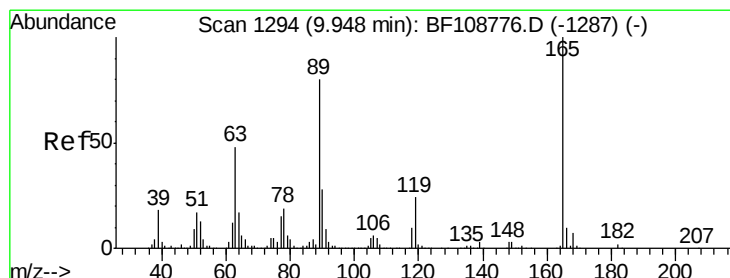
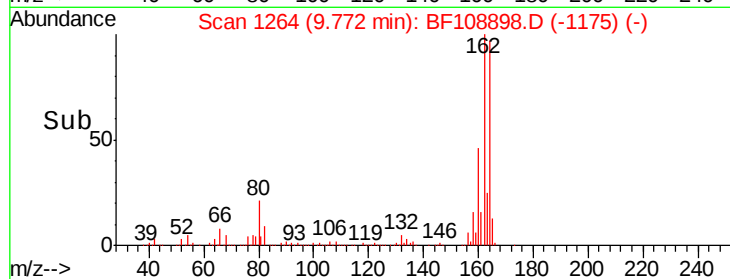
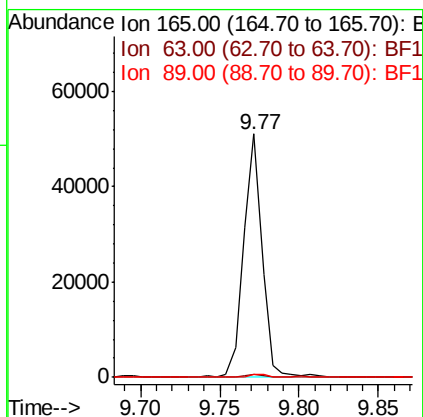
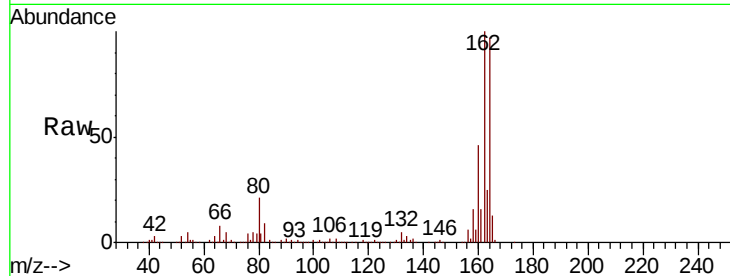




#50
 2,6-Dinitrotoluene
 Concen: 9.918 ng
 RT: 9.77 min Scan# 1264
 Delta R.T. 0.22 min
 Lab File: BF108898.D
 Acq: 10 Sep 2018 17:37

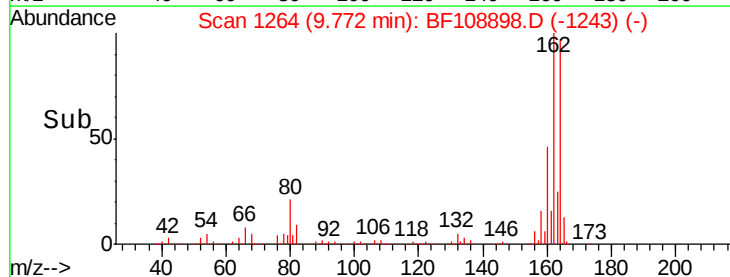
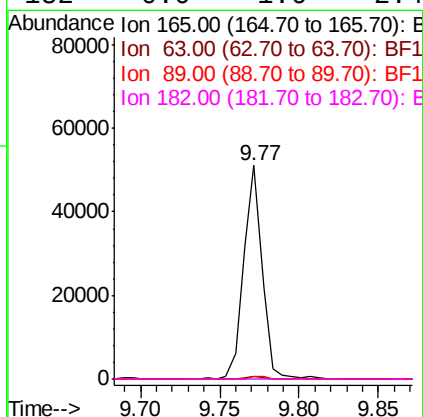
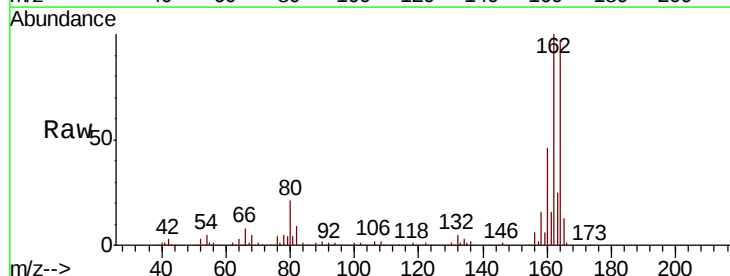
Instrument :
 BNA_E
 ClientSampleId :

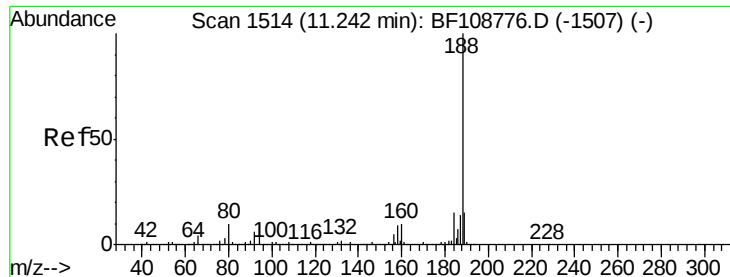
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.3	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 7.755 ng
 RT: 9.77 min Scan# 1264
 Delta R.T. -0.18 min
 Lab File: BF108898.D
 Acq: 10 Sep 2018 17:37

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1515

Delta R.T. 0.01 min

Lab File: BF108898.D

Acq: 10 Sep 2018 17:37

Instrument :

BNA_E

ClientSampleId :

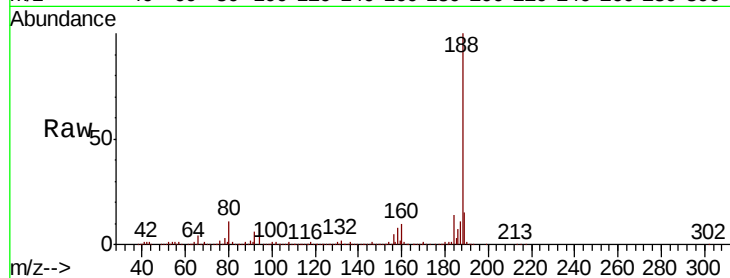
Tot Ion:188 Resp: 491259

Ion Ratio Lower Upper

188 100

94 10.5 8.5 12.7

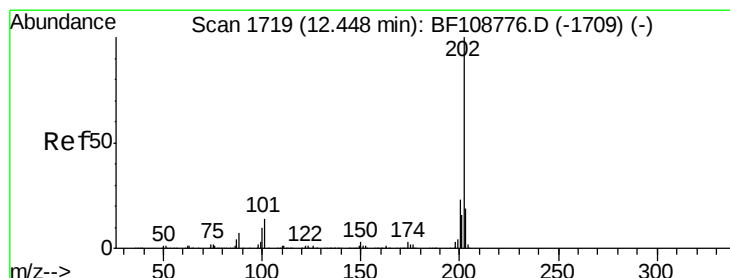
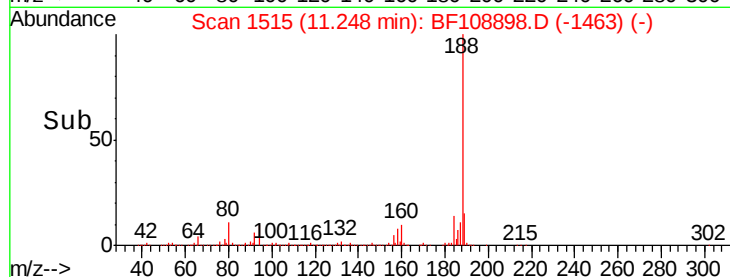
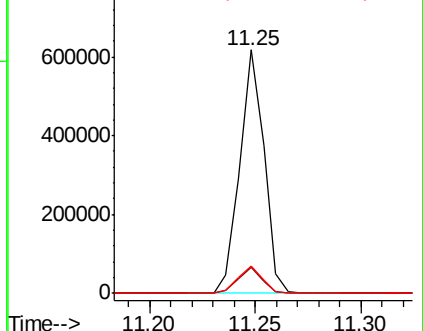
80 11.1 9.2 13.8



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



#74

Fluoranthene

Concen: 8.153 ng

RT: 12.45 min Scan# 1720

Delta R.T. 0.01 min

Lab File: BF108898.D

Acq: 10 Sep 2018 17:37

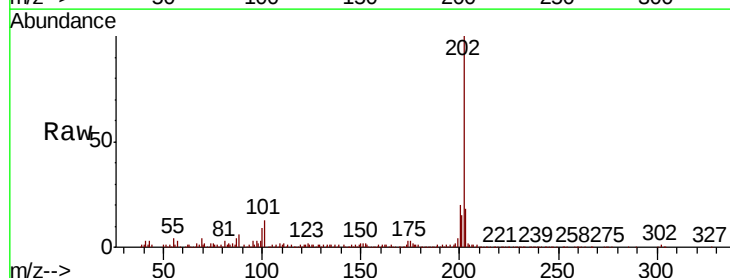
Tgt Ion:202 Resp: 189382

Ion Ratio Lower Upper

202 100

101 13.0 0.0 34.1

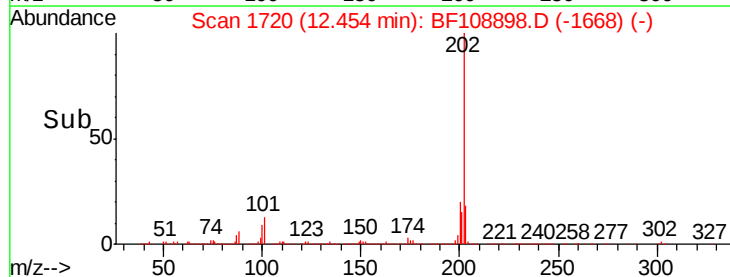
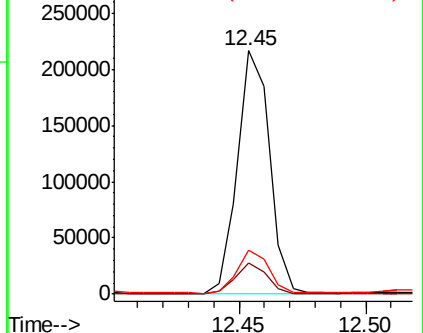
203 18.1 0.0 38.1

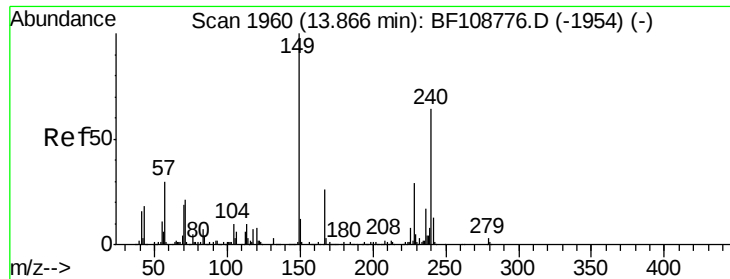


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.88 min Scan# 1962

Delta R.T. 0.01 min

Lab File: BF108898.D

Acq: 10 Sep 2018 17:37

Instrument :

BNA_E

ClientSampleId :

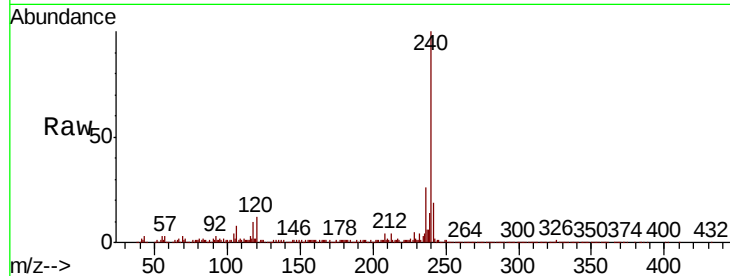
Tot Ion:240 Resp: 474447

Ion Ratio Lower Upper

240 100

120 11.7 9.5 14.3

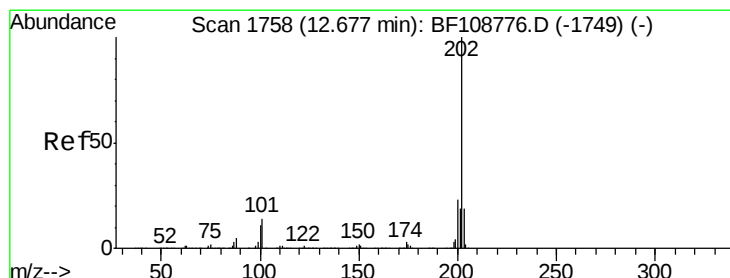
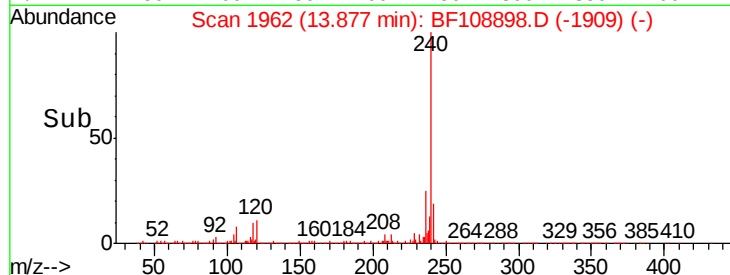
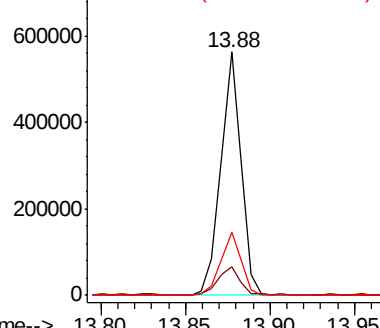
236 25.8 20.7 31.1



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: 7.309 ng

RT: 12.68 min Scan# 1759

Delta R.T. 0.01 min

Lab File: BF108898.D

Acq: 10 Sep 2018 17:37

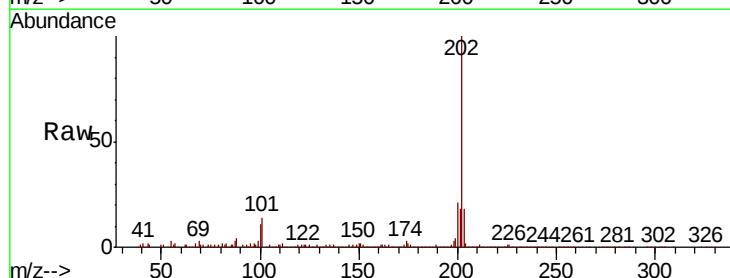
Tgt Ion:202 Resp: 266840

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

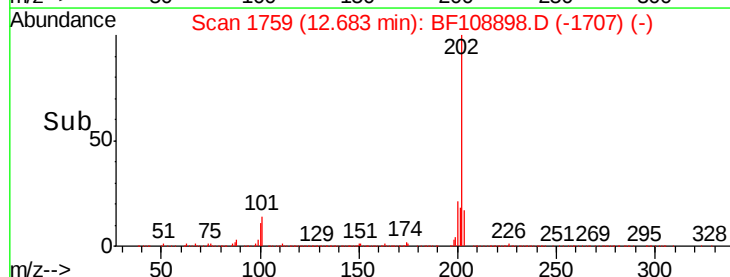
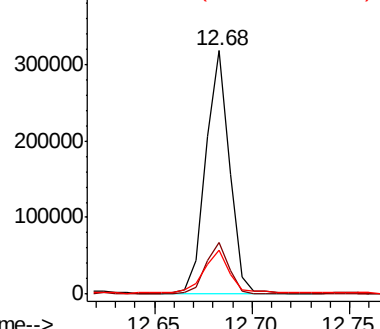
203 17.9 14.3 21.5

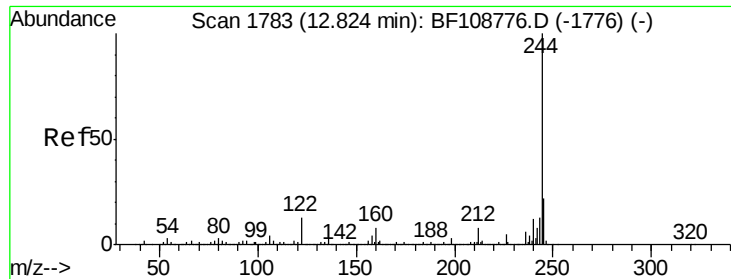


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 10.709 ng

RT: 12.83 min Scan# 1784

Delta R.T. 0.01 min

Lab File: BF108898.D

Acq: 10 Sep 2018 17:37

Instrument :

BNA_E

ClientSampleId :

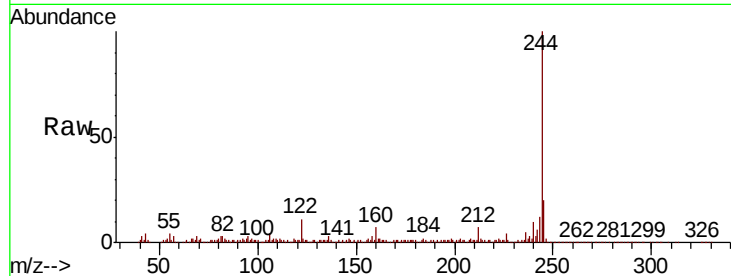
Tot Ion:244 Resp: 217876

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

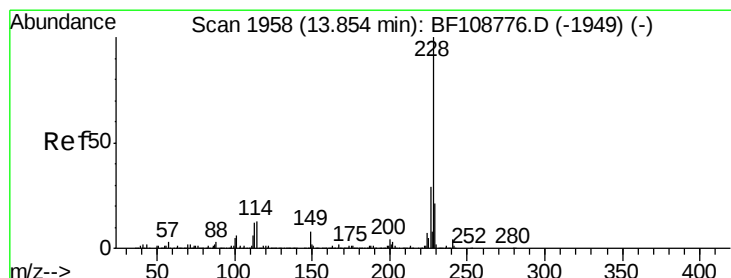
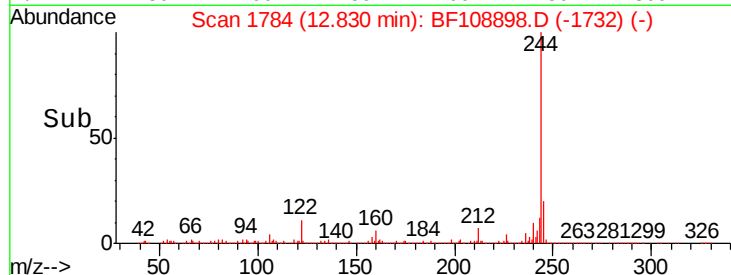
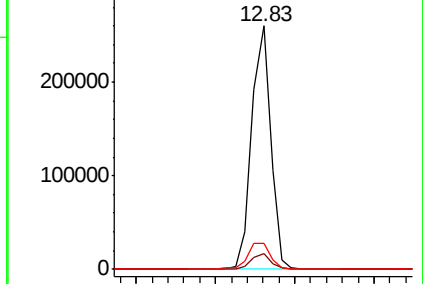
122 10.9 11.0 16.4#



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



#80

Benzo(a)anthracene

Concen: 3.587 ng

RT: 13.87 min Scan# 1960

Delta R.T. 0.01 min

Lab File: BF108898.D

Acq: 10 Sep 2018 17:37

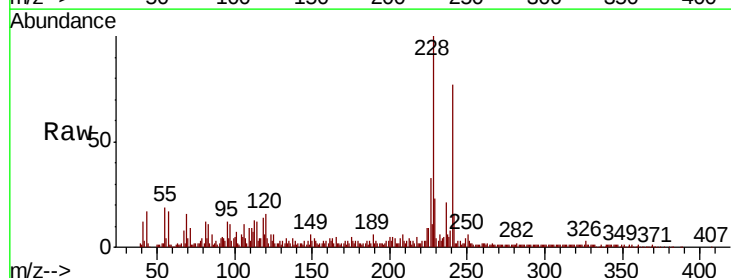
Tgt Ion:228 Resp: 109088

Ion Ratio Lower Upper

228 100

226 33.4 22.6 33.8

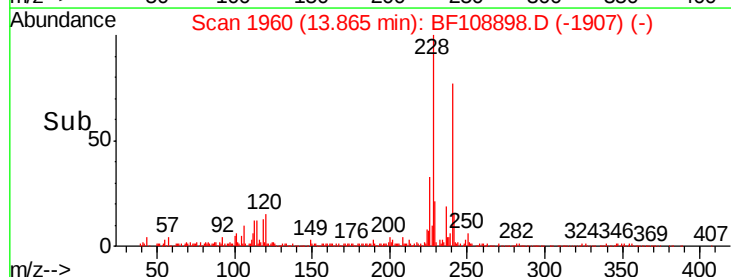
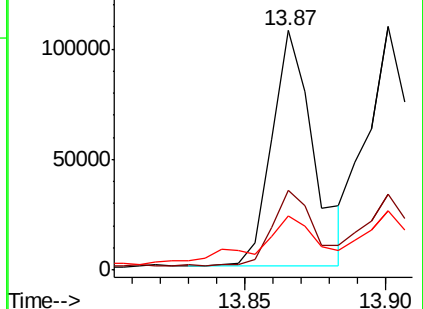
229 22.8 15.8 23.6

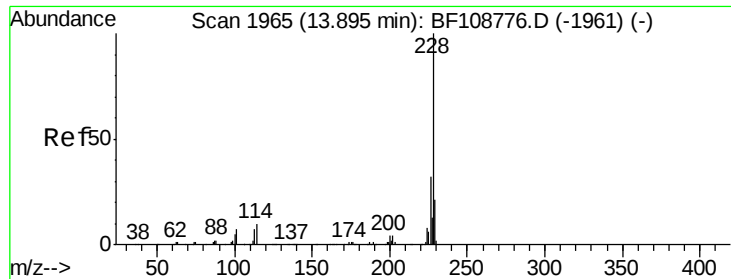


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

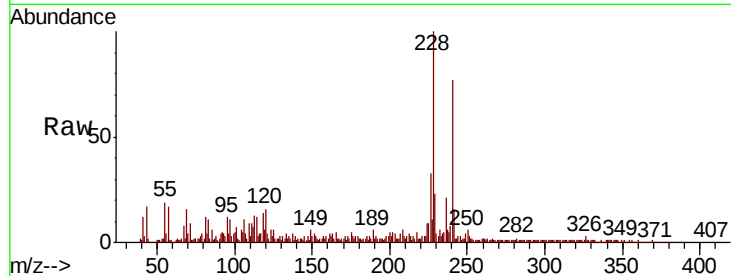




#82
Chrysene
Concen: 3.705 ng
RT: 13.87 min Scan# 1960
Delta R.T. -0.03 min
Lab File: BF108898.D
Acq: 10 Sep 2018 17:37

Instrument :
BNA_E
ClientSampled :

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.4	25.0	37.6
229	22.8	16.2	24.4

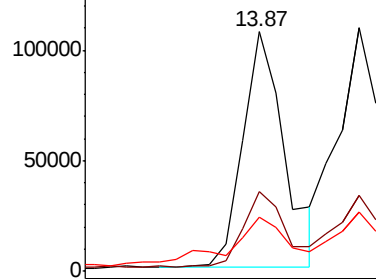


Abundance

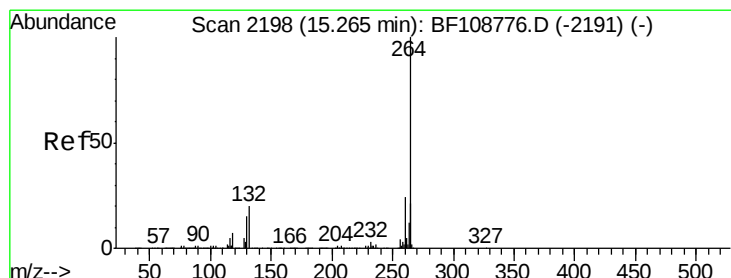
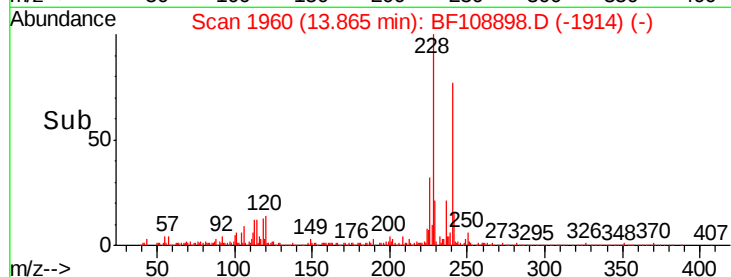
Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

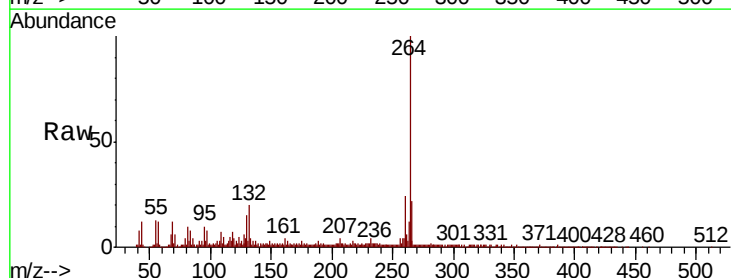


Time-->



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2202
Delta R.T. 0.02 min
Lab File: BF108898.D
Acq: 10 Sep 2018 17:37

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.2	17.5	26.3

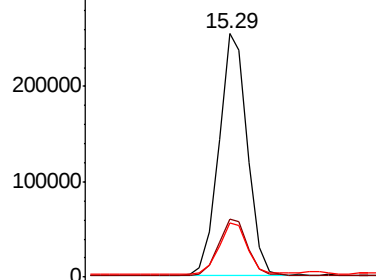


Abundance

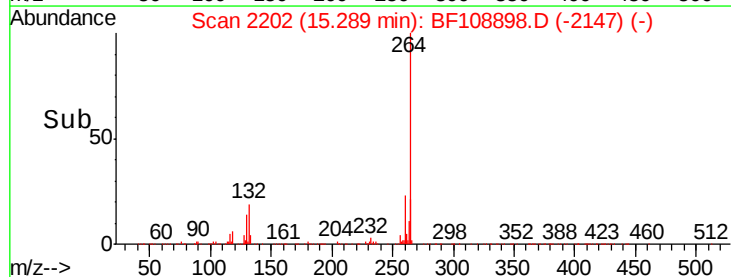
Ion 264.00 (263.70 to 264.70): E

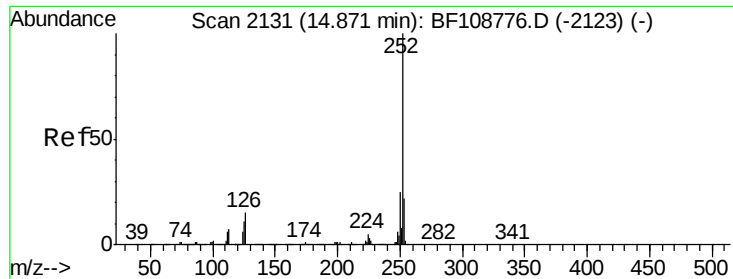
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



Time-->

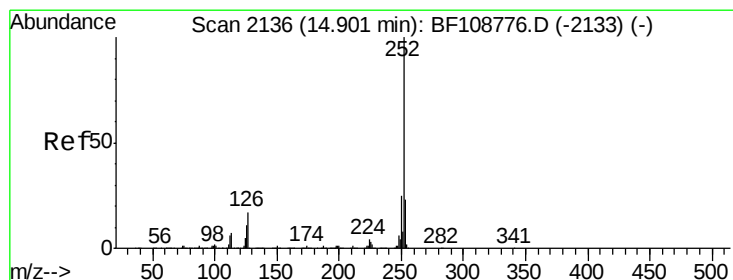
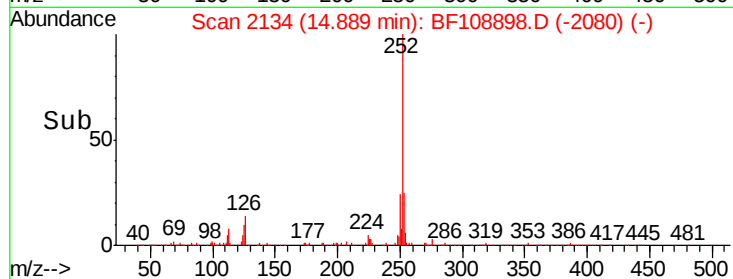
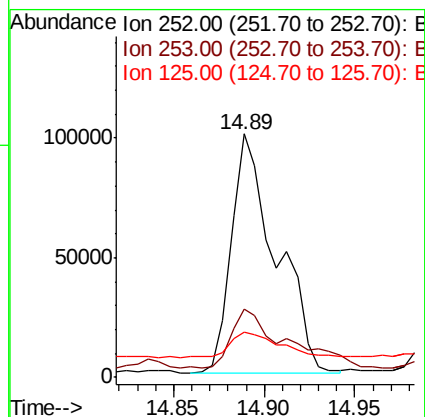
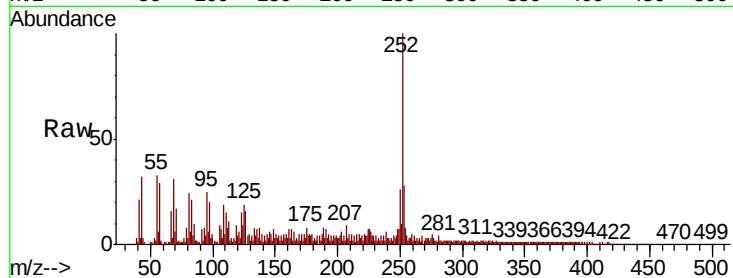




#87
Benzo(b)fluoranthene
Concen: 10.520 ng
RT: 14.89 min Scan# 2134
Delta R.T. 0.02 min
Lab File: BF108898.D
Acq: 10 Sep 2018 17:37

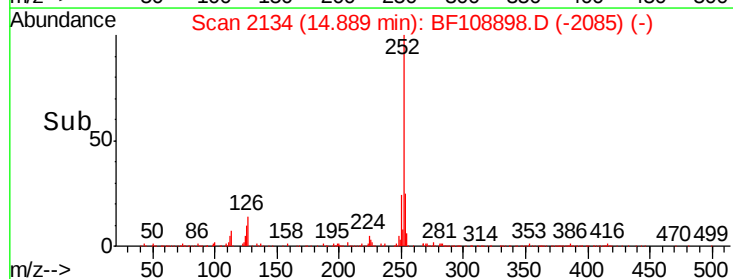
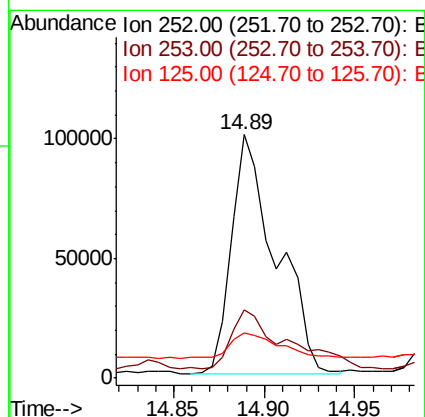
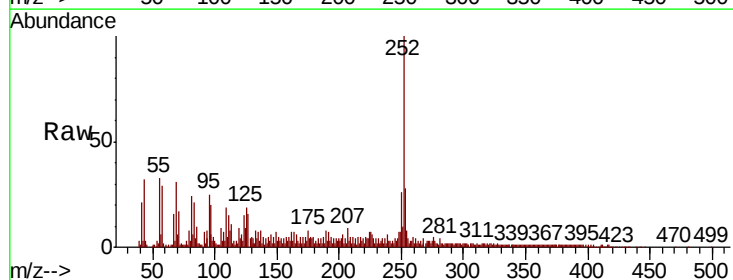
Instrument :
BNA_E
ClientSampleId :

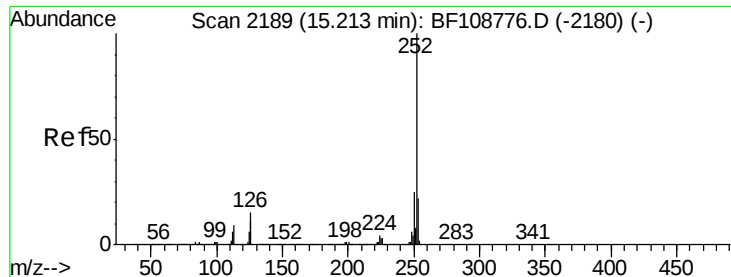
Tot Ion	Ratio	Lower	Upper
252	100		
253	28.3	17.0	25.6#
125	18.8	9.0	13.6#



#88
Benzo(k)fluoranthene
Concen: 11.424 ng
RT: 14.89 min Scan# 2134
Delta R.T. -0.01 min
Lab File: BF108898.D
Acq: 10 Sep 2018 17:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.3	17.9	26.9#
125	18.8	10.2	15.2#

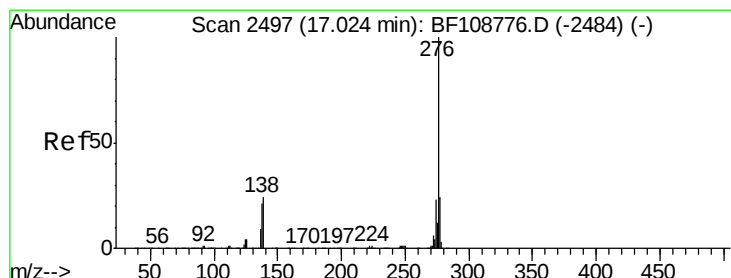
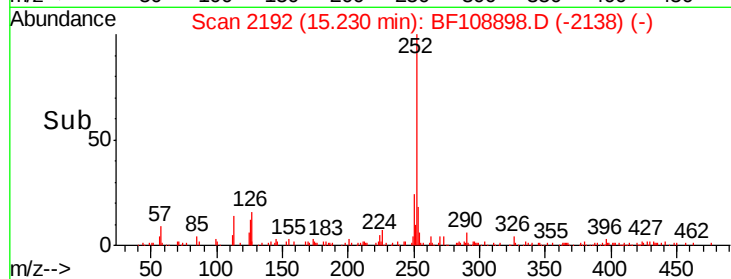
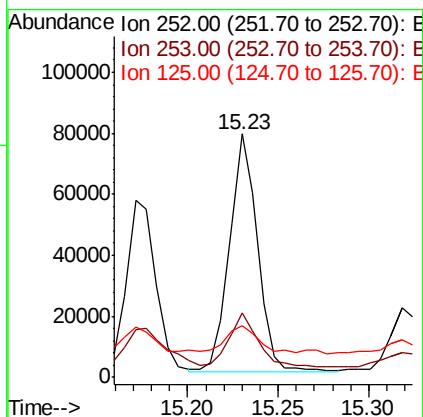
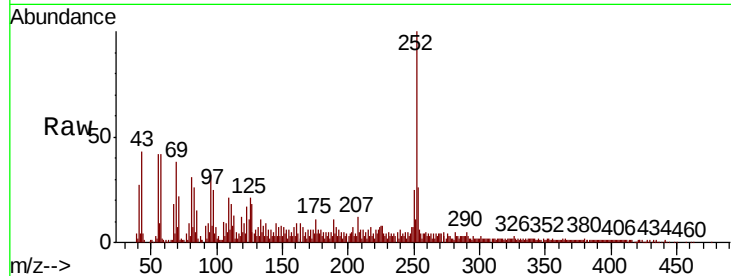




#89
Benzo(a)pyrene
Concen: 5.714 ng
RT: 15.23 min Scan# 2192
Delta R.T. 0.02 min
Lab File: BF108898.D
Acq: 10 Sep 2018 17:37

Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 83720
Ion Ratio Lower Upper
252 100
253 26.2 17.1 25.7#
125 21.2 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 4.054 ng
RT: 17.07 min Scan# 2504
Delta R.T. 0.04 min
Lab File: BF108898.D
Acq: 10 Sep 2018 17:37

Tgt Ion:276 Resp: 52402
Ion Ratio Lower Upper
276 100
277 26.8 17.9 26.9
138 28.8 21.8 32.8

