

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091118\
 Data File : BF108933.D
 Acq On : 11 Sep 2018 14:21
 Operator : JU/SJ
 Sample : J4825-18
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 11 15:06:49 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	186401	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	678268	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	301456	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	481878	20.00	ng	0.00
75) Chrysene-d12	13.87	240	368009	20.00	ng	0.00
86) Perylene-d12	15.28	264	469404	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	938212	83.38	ng	0.02
7) Phenol-d6	6.37	99	1211021	83.65	ng	0.00
23) Nitrobenzene-d5	7.30	82	770660	71.11	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	219771	76.37	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	1290459	73.03	ng	0.00
78) Terphenyl-d14	12.83	244	915008	57.98	ng	0.00

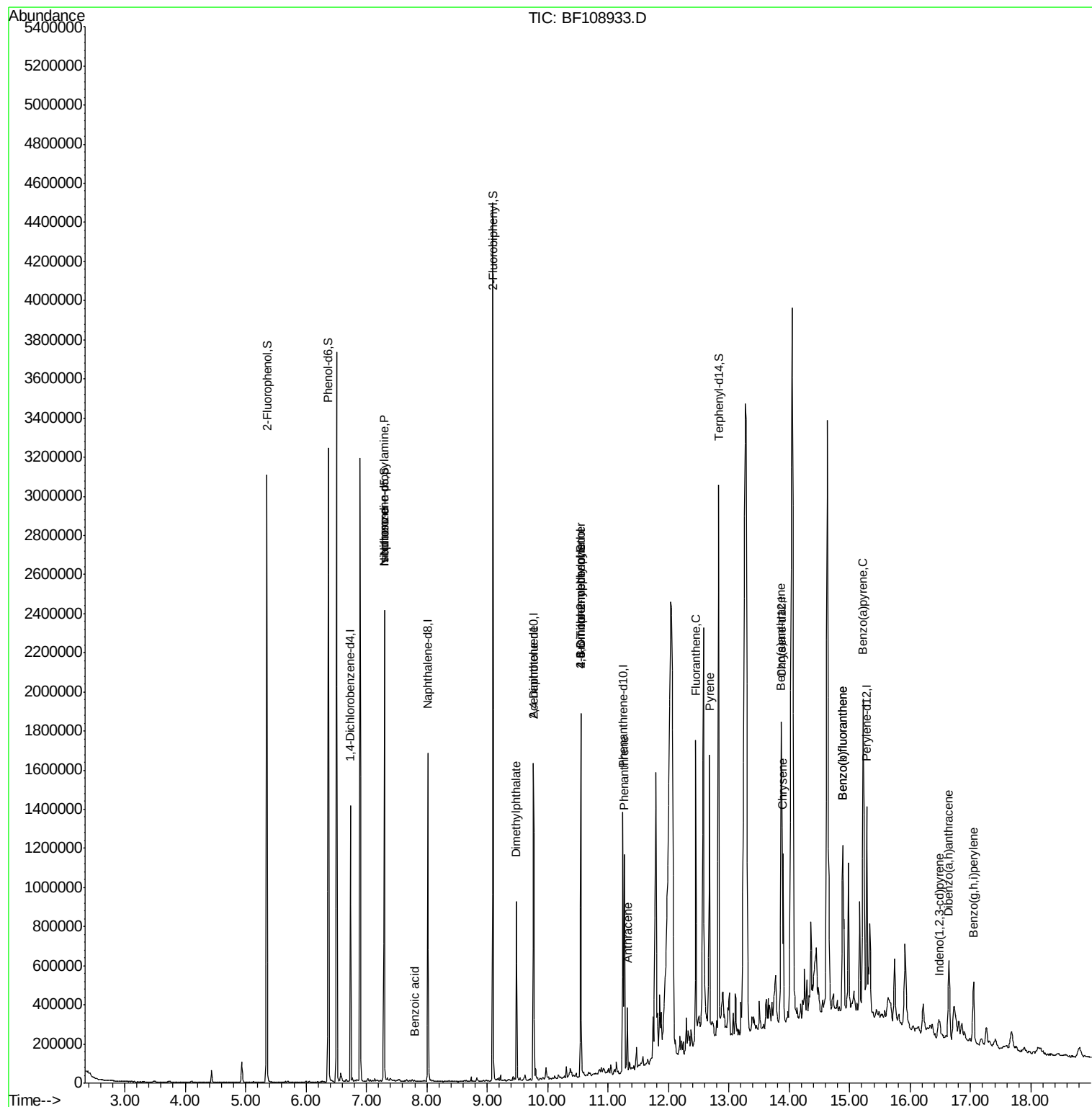
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.30	70	104272	10.362	ng	# 78
25) Isophorone	7.30	82	765653	35.416	ng	# 64
32) Benzoic acid	7.81	122	235	4.057	ng	# 37
49) Dimethylphthalate	9.48	163	325635	15.444	ng	99
56) 2,4-Dinitrotoluene	9.77	165	38580	7.509	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.55	198	527	7.107	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	13510	2.482	ng	# 1
70) Phenanthrene	11.27	178	404414	17.574	ng	99
71) Anthracene	11.32	178	105267	4.778	ng	98
74) Fluoranthene	12.45	202	563853	24.748	ng	97
77) Pyrene	12.68	202	558389	19.719	ng	99
80) Benzo(a)anthracene	13.86	228	363321	15.403	ng	99
82) Chrysene	13.89	228	346154	15.159	ng	98
85) Indeno(1,2,3-cd)pyrene	16.49	276	48743	2.412	ng	94
87) Benzo(b)fluoranthene	14.88	252	605969	23.741	ng	98
88) Benzo(k)fluoranthene	14.88	252	605969	25.780	ng	99
89) Benzo(a)pyrene	15.22	252	343836	14.930	ng	96
90) Dibenzo(a,h)anthracene	16.65	278	75815	3.736	ng	94
91) Benzo(a,h,i)perylene	17.05	276	245908	12.102	ng	95

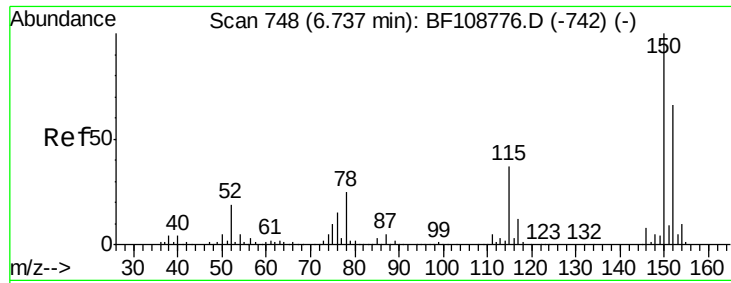
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 05 18:03:31 2018
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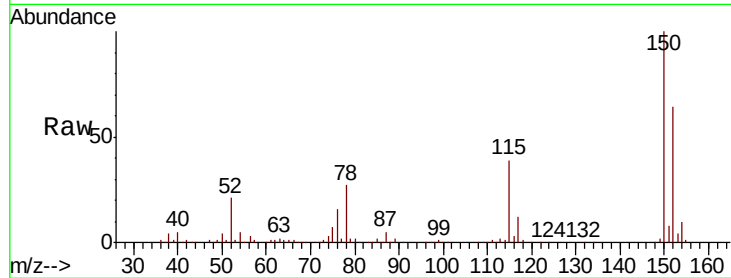


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 748
Delta R.T. -0.00 min
Lab File: BF108933.D
Acq: 11 Sep 2018 14:21

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.6	186.8
115	60.5	50.1	75.1

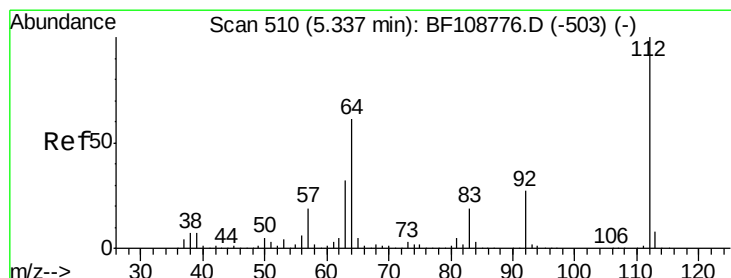
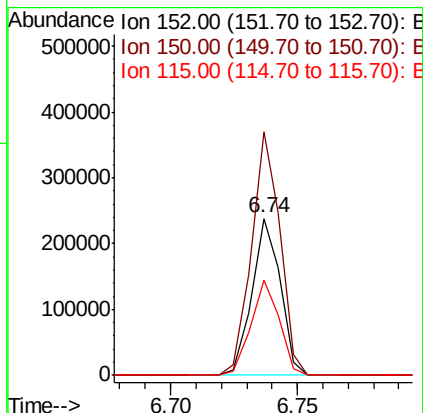
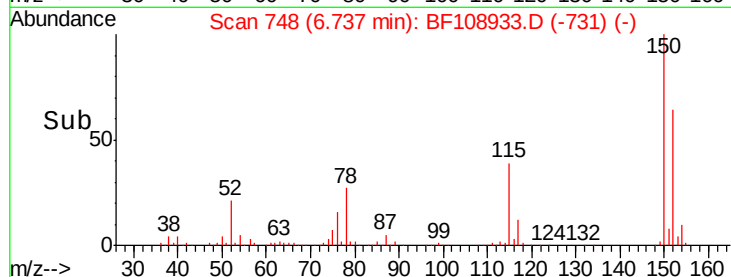


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

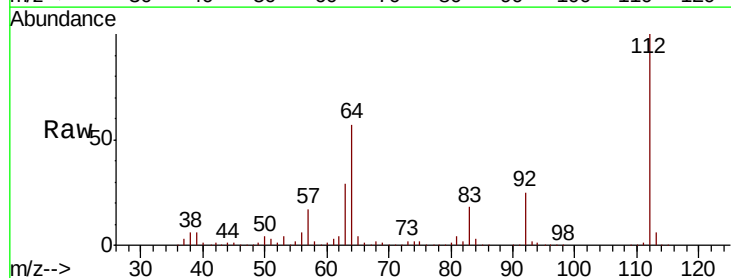
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 83.385 ng
RT: 5.35 min Scan# 513
Delta R.T. 0.02 min
Lab File: BF108933.D
Acq: 11 Sep 2018 14:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	47.9	71.9
63	28.8	23.7	35.5

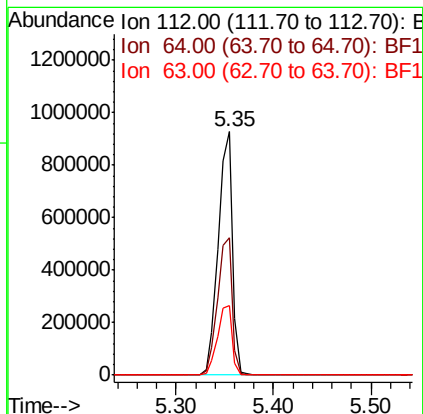
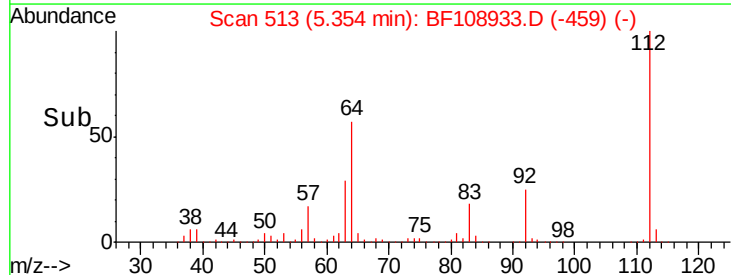


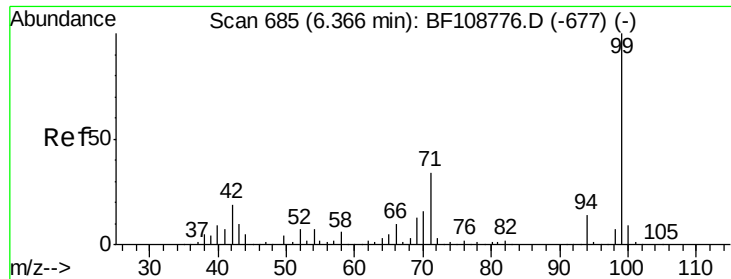
Abundance

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: 83.652 ng

RT: 6.37 min Scan# 686

Delta R.T. 0.01 min

Lab File: BF108933.D

Acq: 11 Sep 2018 14:21

Instrument :

BNA_F

ClientSampled :

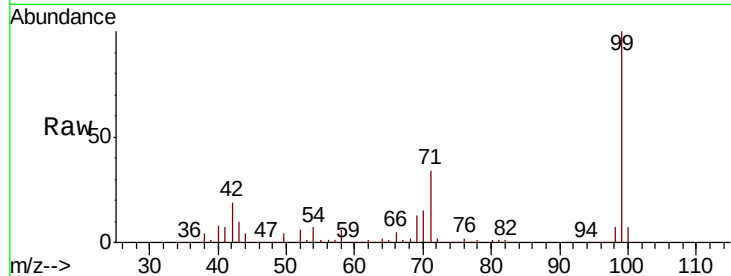
Tot Ion: 99 Resp: 1211021

Ion Ratio Lower Upper

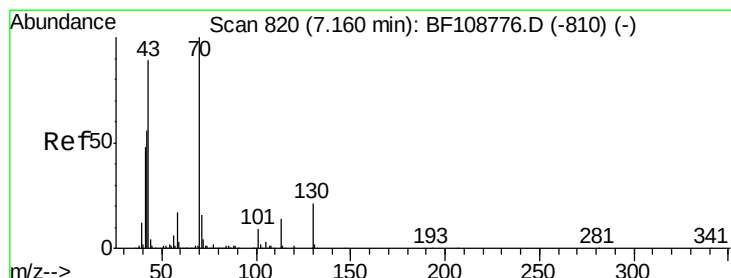
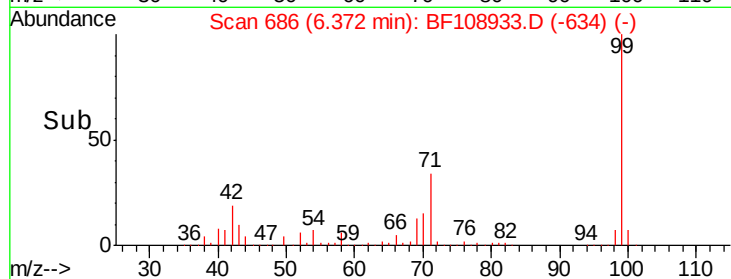
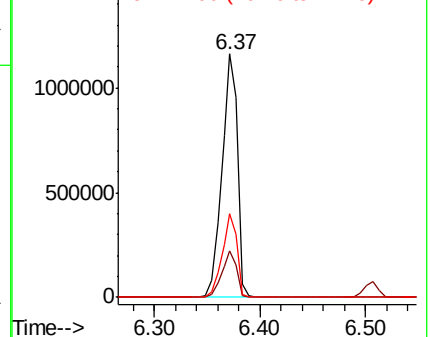
99 100

42 19.0 14.5 21.7

71 34.3 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: 10.362 ng

RT: 7.30 min Scan# 843

Delta R.T. 0.14 min

Lab File: BF108933.D

Acq: 11 Sep 2018 14:21

Tgt Ion: 70 Resp: 104272

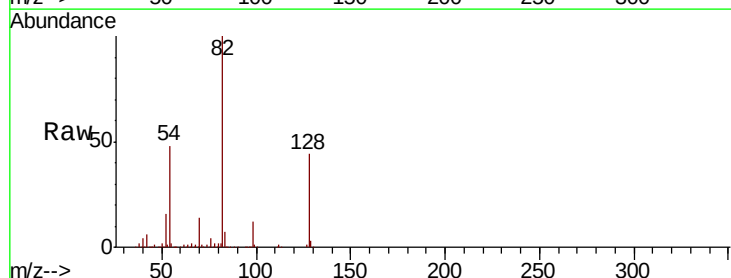
Ion Ratio Lower Upper

70 100

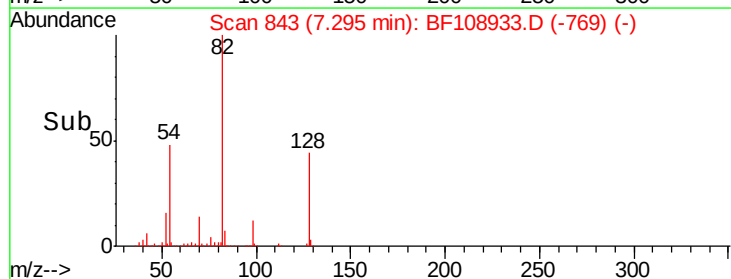
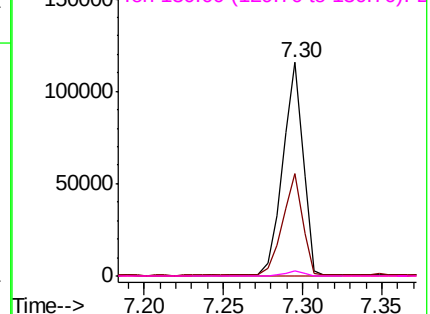
42 47.7 47.5 71.3

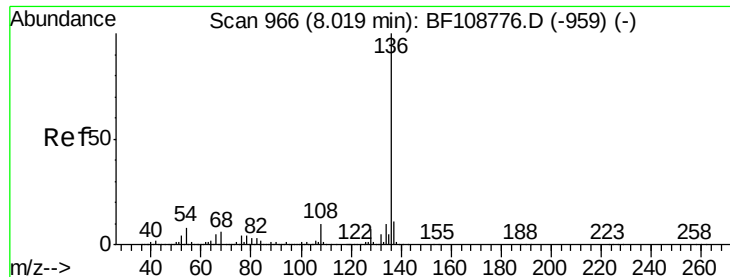
101 0.0 7.4 11.2#

130 2.2 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

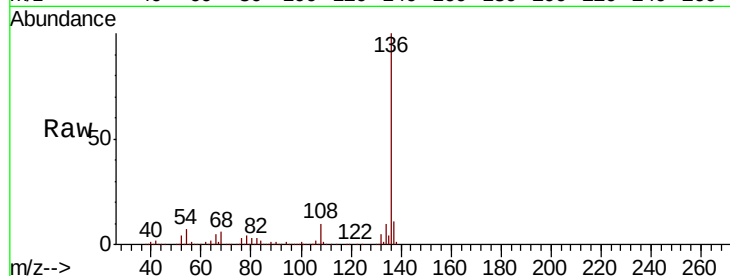




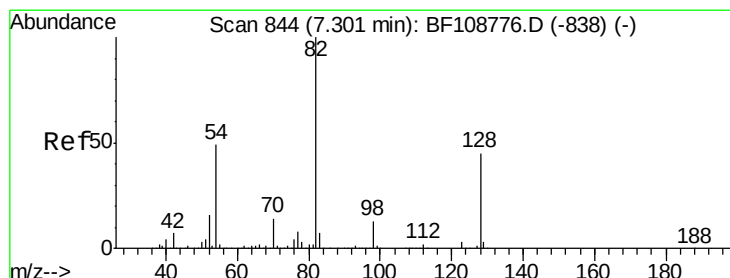
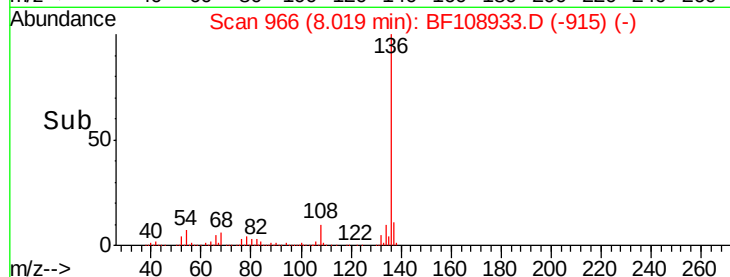
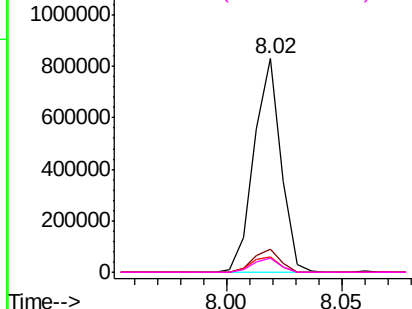
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 966
Delta R.T. -0.00 min
Lab File: BF108933.D
Acq: 11 Sep 2018 14:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	678268
Ion	Ratio	Lower Upper
136	100	
137	11.0	8.9 13.3
54	7.5	6.6 9.8
68	6.4	5.0 7.4

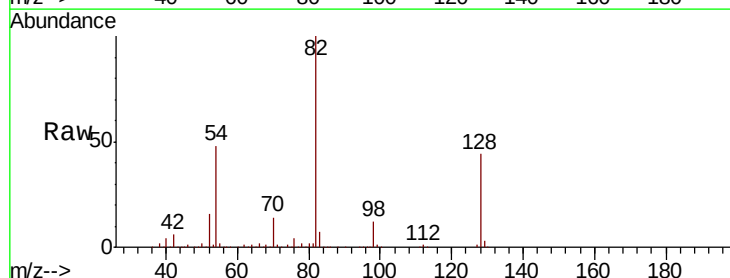


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

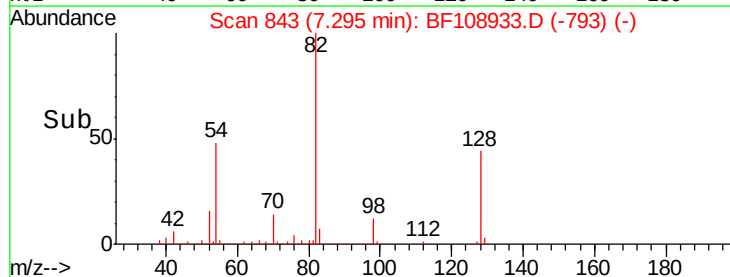
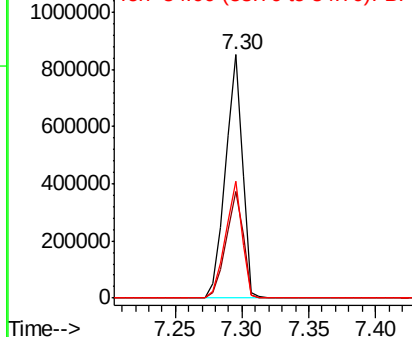


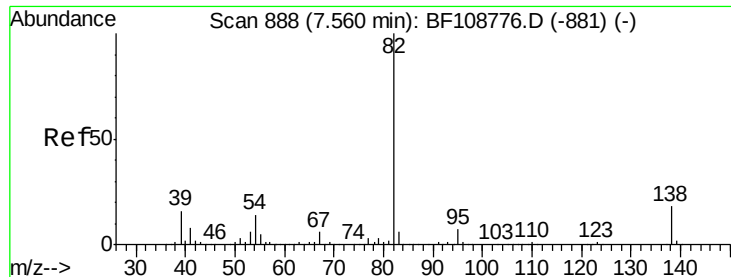
#23
Nitrobenzene-d5
Concen: 71.106 ng
RT: 7.30 min Scan# 843
Delta R.T. -0.01 min
Lab File: BF108933.D
Acq: 11 Sep 2018 14:21

Tgt Ion: 82	Resp:	770660
Ion	Ratio	Lower Upper
82	100	
128	43.7	36.1 54.1
54	48.1	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: 35.416 ng

RT: 7.30 min Scan# 843

Delta R.T. -0.26 min

Lab File: BF108933.D

Acq: 11 Sep 2018 14:21

Instrument :

BNA_F

ClientSampleId :

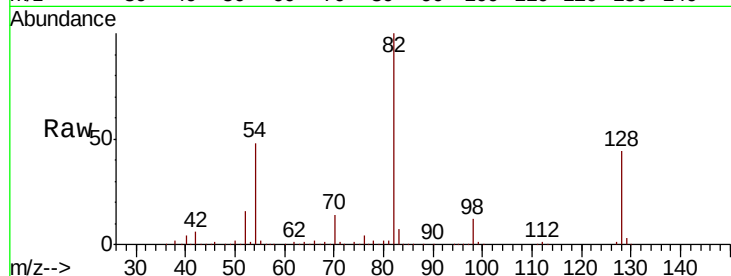
Tot Ion: 82 Resp: 765653

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

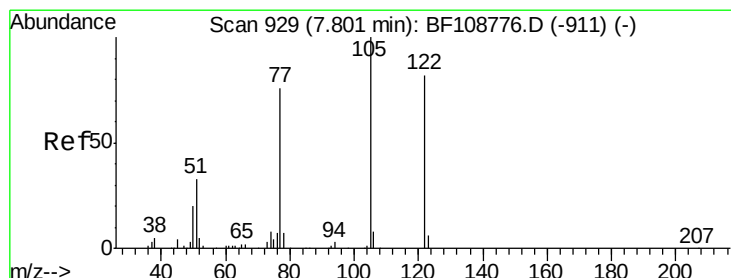
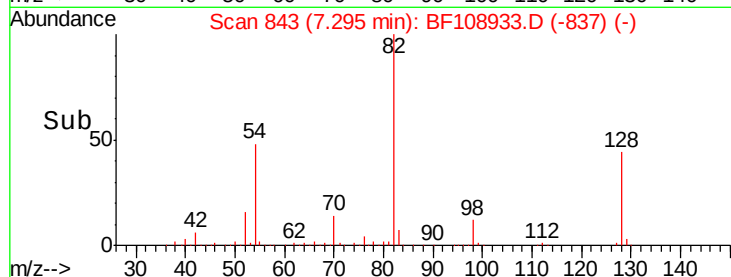
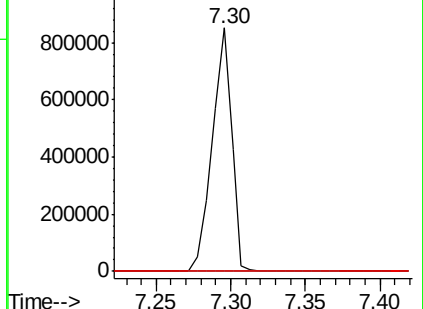
138 0.0 14.9 22.3#



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



#32

Benzoic acid

Concen: 4.057 ng

RT: 7.81 min Scan# 930

Delta R.T. 0.01 min

Lab File: BF108933.D

Acq: 11 Sep 2018 14:21

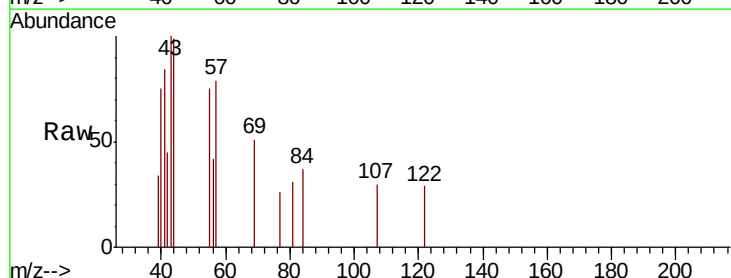
Tgt Ion: 122 Resp: 235

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

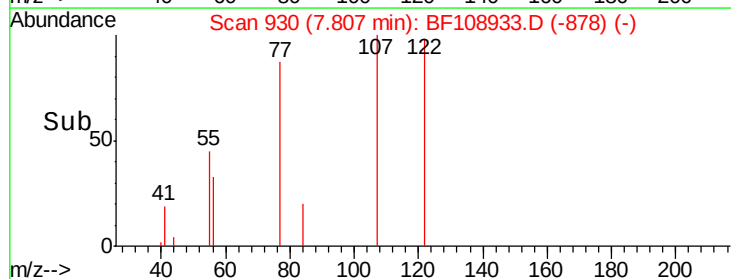
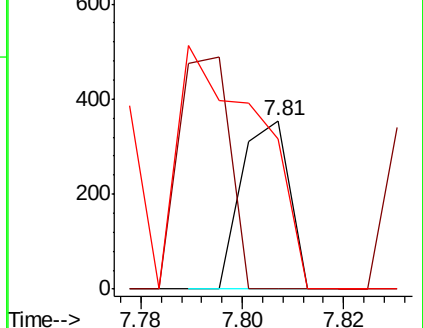
77 89.3 70.7 110.7

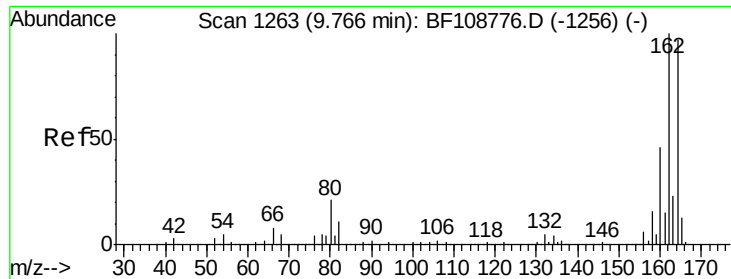


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

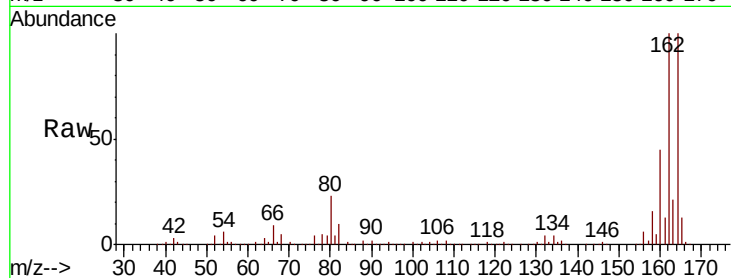




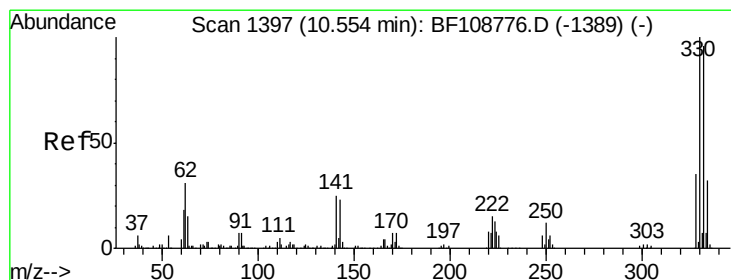
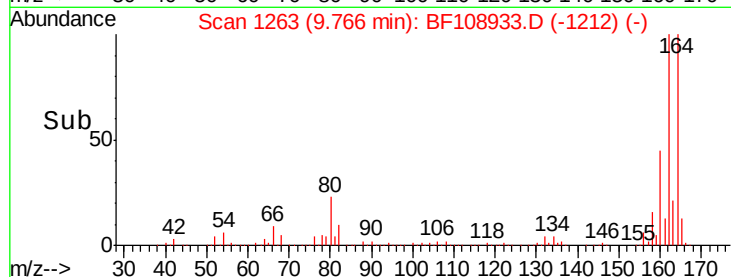
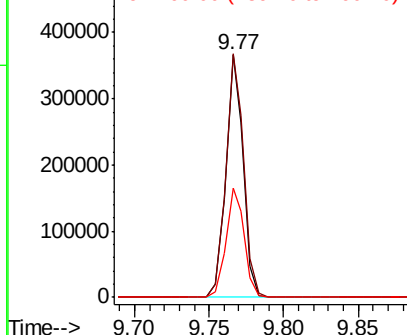
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.00 min
Lab File: BF108933.D
Acq: 11 Sep 2018 14:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 301456
Ion Ratio Lower Upper
164 100
162 100.2 86.1 129.1
160 44.7 38.3 57.5

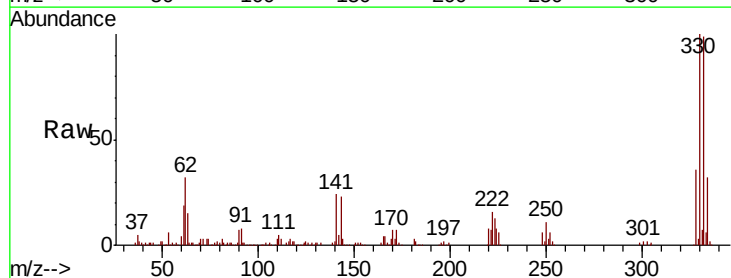


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

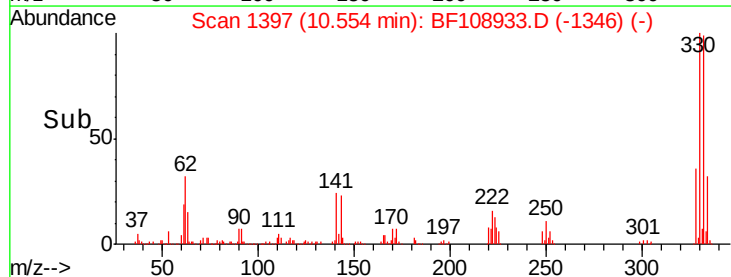
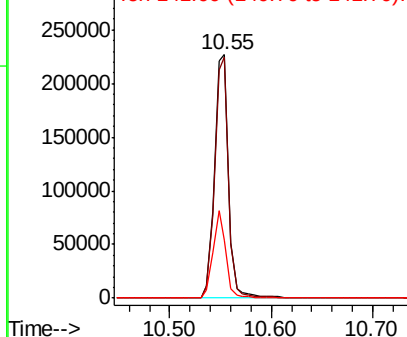


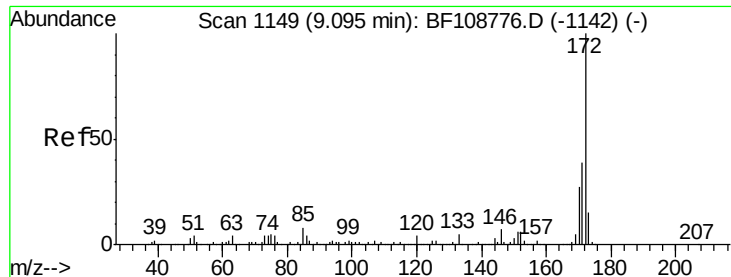
#41
2,4,6-Tribromophenol
Concen: 76.367 ng
RT: 10.55 min Scan# 1397
Delta R.T. -0.00 min
Lab File: BF108933.D
Acq: 11 Sep 2018 14:21

Tgt Ion:330 Resp: 219771
Ion Ratio Lower Upper
330 100
332 96.9 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

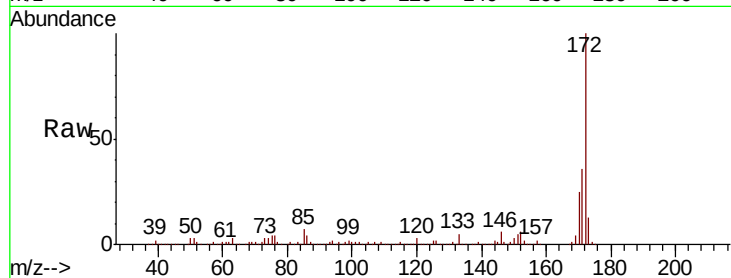




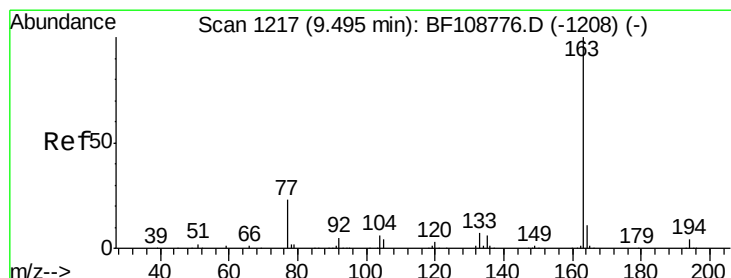
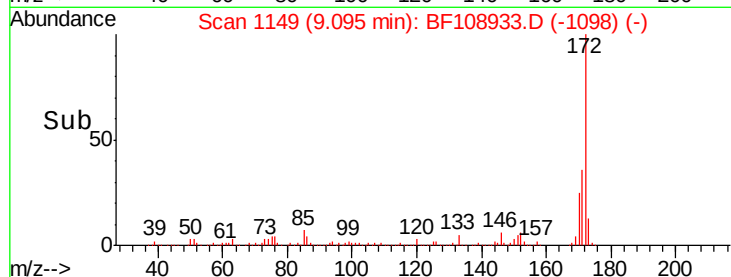
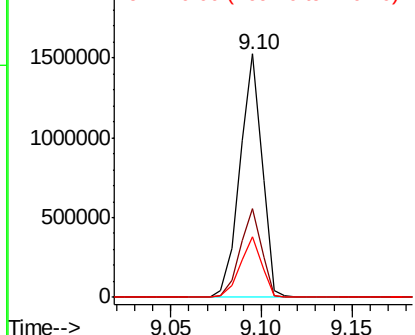
#44
2-Fluorobiphenyl
Concen: 73.029 ng
RT: 9.10 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BF108933.D
Acq: 11 Sep 2018 14:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1290459
Ion Ratio Lower Upper
172 100
171 36.5 29.7 44.5
170 24.7 19.6 29.4

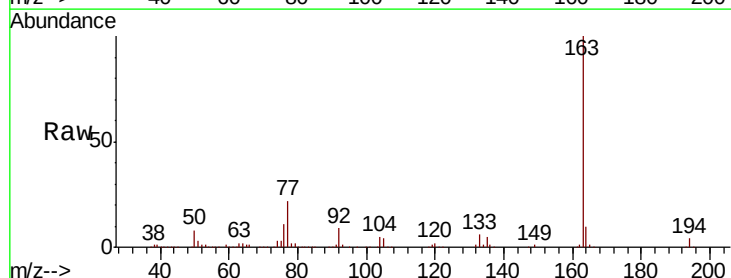


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

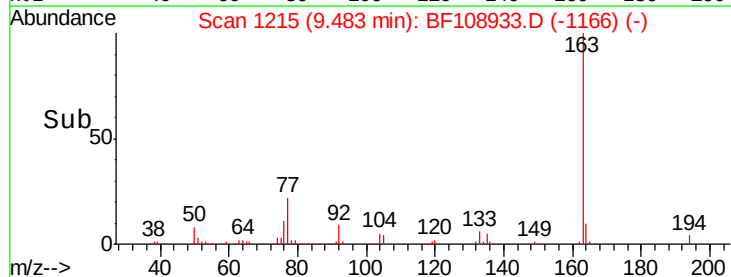
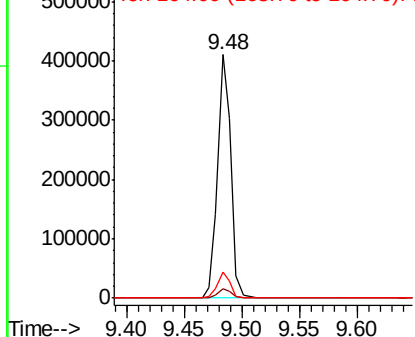


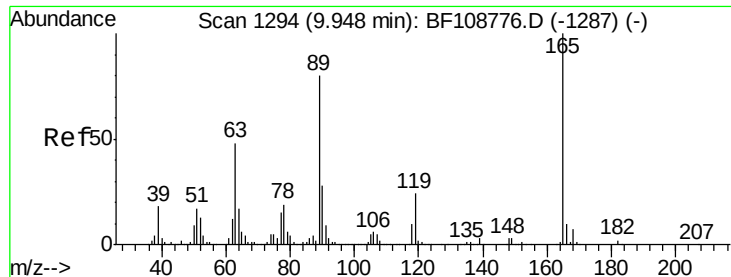
#49
Dimethylphthalate
Concen: 15.444 ng
RT: 9.48 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF108933.D
Acq: 11 Sep 2018 14:21

Tgt Ion:163 Resp: 325635
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 10.5 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

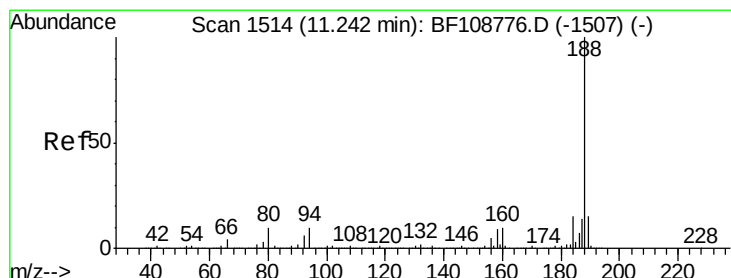
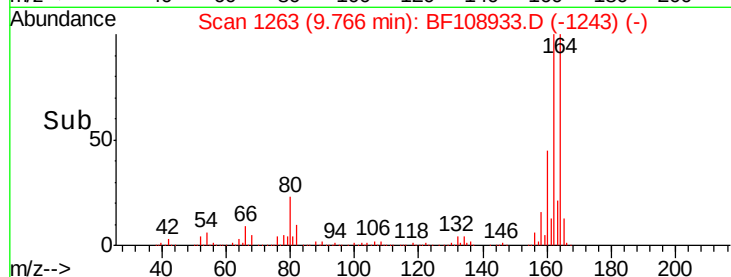
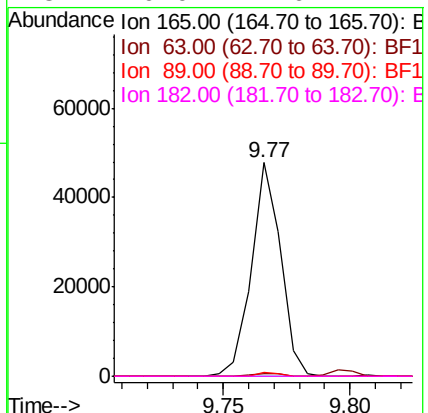
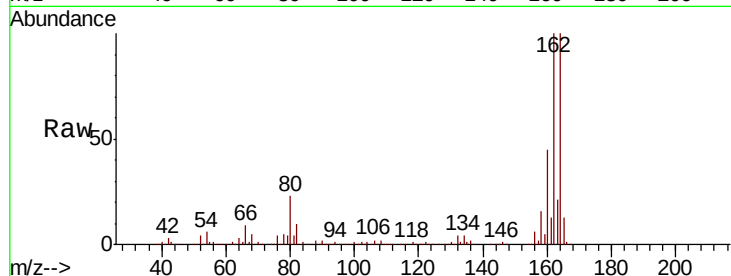




#56
 2,4-Dinitrotoluene
 Concen: 7.509 ng
 RT: 9.77 min Scan# 1263
 Delta R.T. -0.18 min
 Lab File: BF108933.D
 Acq: 11 Sep 2018 14:21

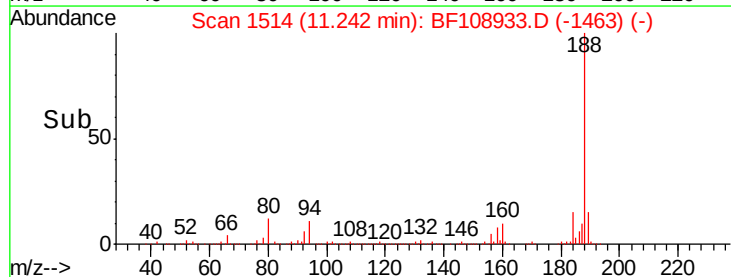
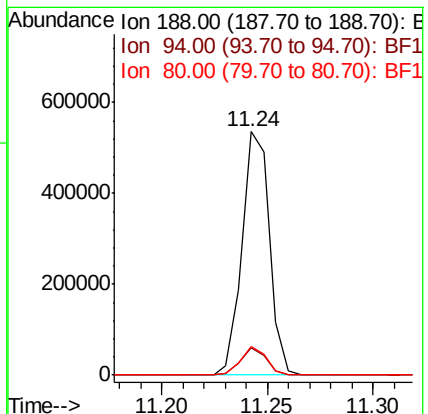
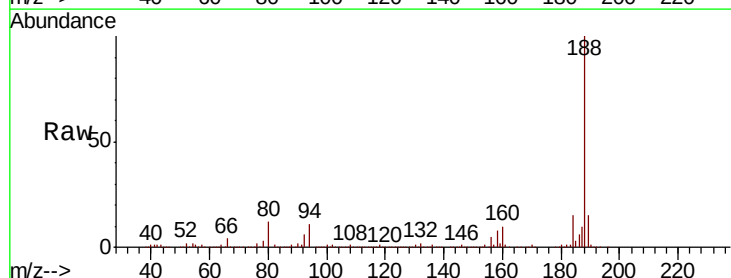
Instrument :
 BNA_F
 ClientSampleId :

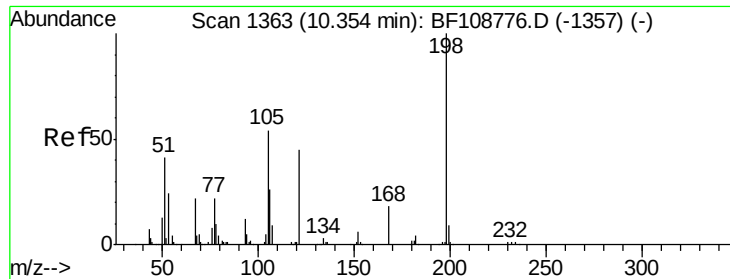
Tot Ion:	165	Resp:	38580
Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: BF108933.D
 Acq: 11 Sep 2018 14:21

Tgt Ion:	188	Resp:	481878
Ion	Ratio	Lower	Upper
188	100		
94	11.2	8.5	12.7
80	11.9	9.2	13.8

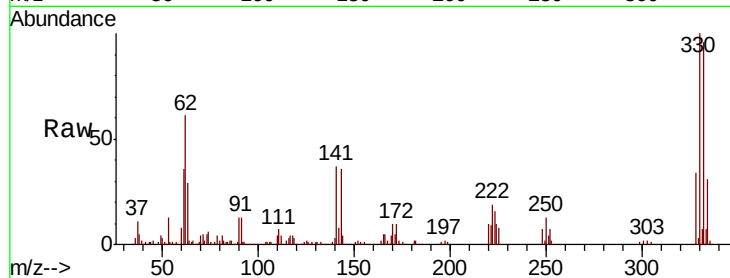




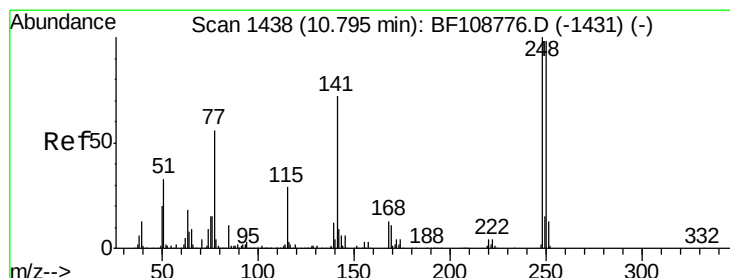
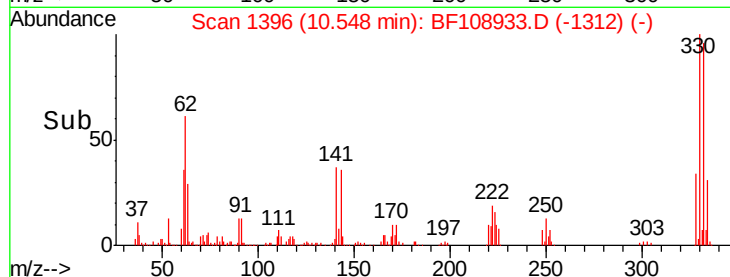
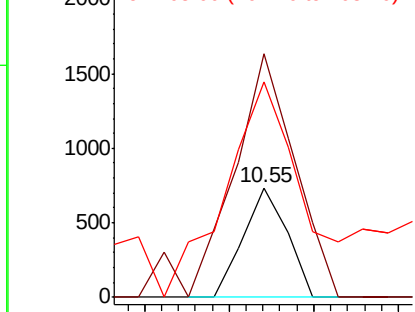
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.107 ng
 RT: 10.55 min Scan# 1396
 Delta R.T. 0.19 min
 Lab File: BF108933.D
 Acq: 11 Sep 2018 14:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 527
 Ion Ratio Lower Upper
 198 100
 51 222.2 37.7 77.7#
 105 196.3 36.3 76.3#

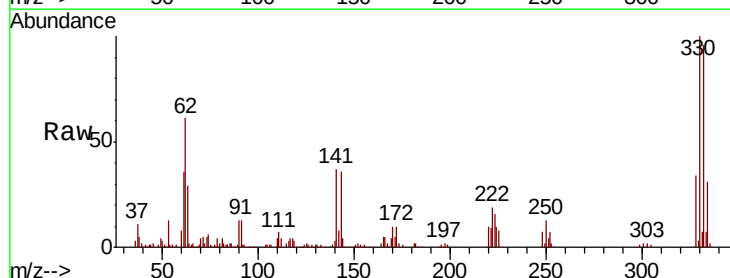


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

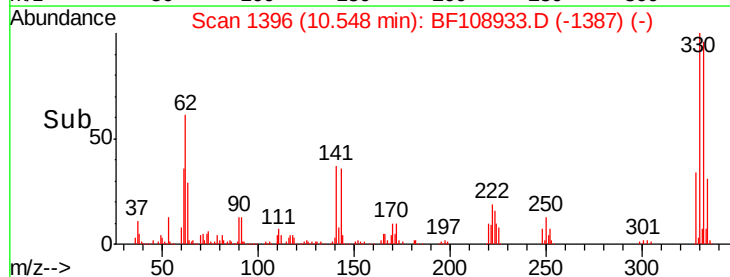
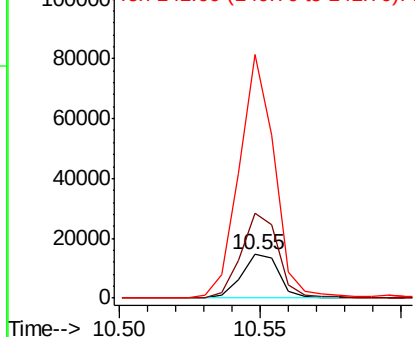


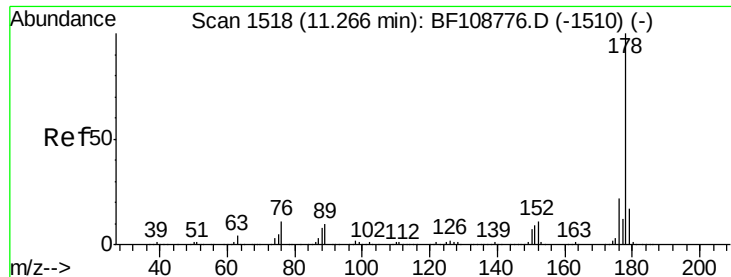
#66
 4-Bromophenyl-phenylether
 Concen: 2.482 ng
 RT: 10.55 min Scan# 1396
 Delta R.T. -0.25 min
 Lab File: BF108933.D
 Acq: 11 Sep 2018 14:21

Tgt Ion:248 Resp: 13510
 Ion Ratio Lower Upper
 248 100
 250 194.5 76.9 115.3#
 141 558.3 74.4 111.6#



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

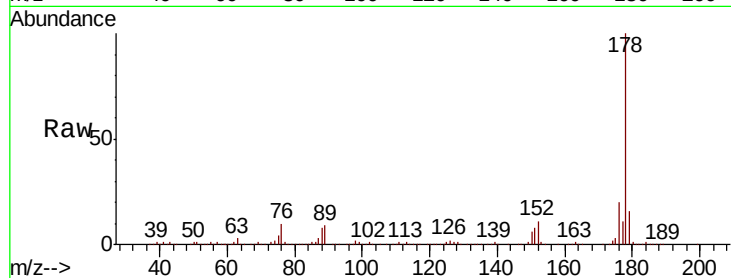




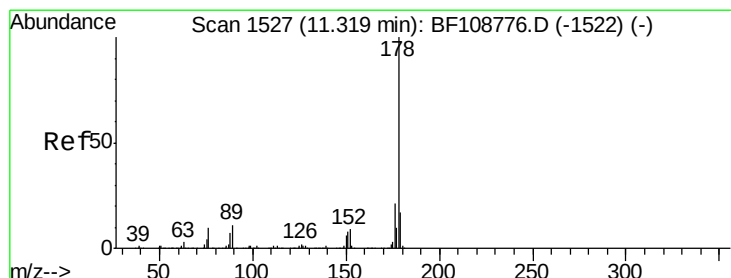
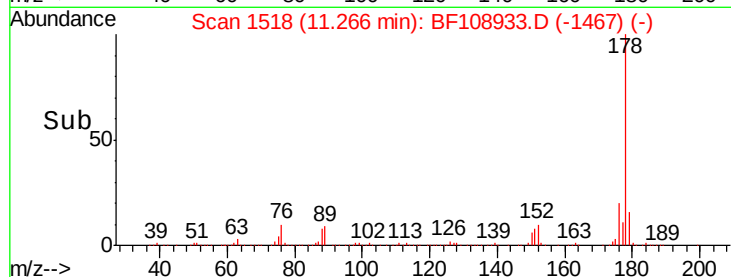
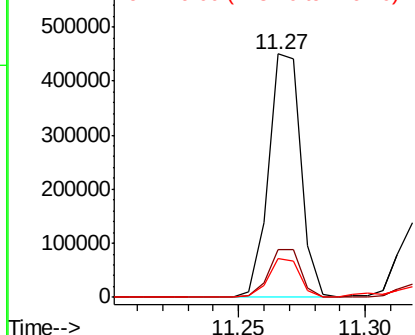
#70
Phenanthrene
Concen: 17.574 ng
RT: 11.27 min Scan# 1518
Delta R.T. -0.00 min
Lab File: BF108933.D
Acq: 11 Sep 2018 14:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 404414
Ion Ratio Lower Upper
178 100
176 19.8 15.8 23.8
179 15.7 13.0 19.6

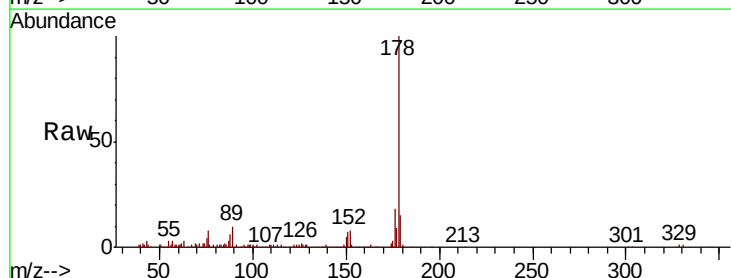


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

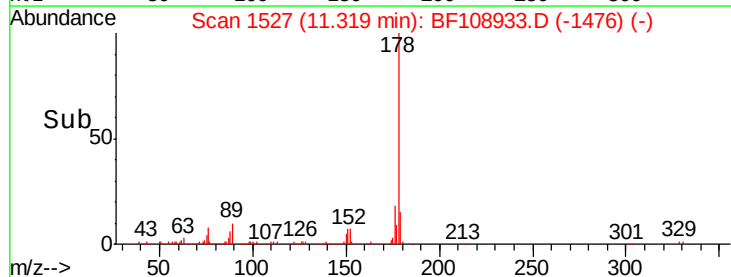
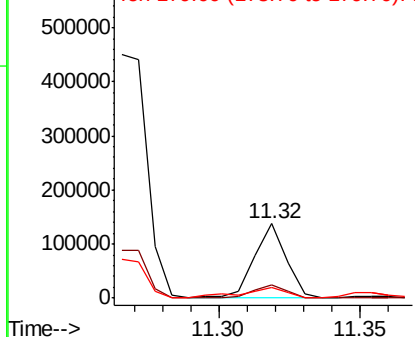


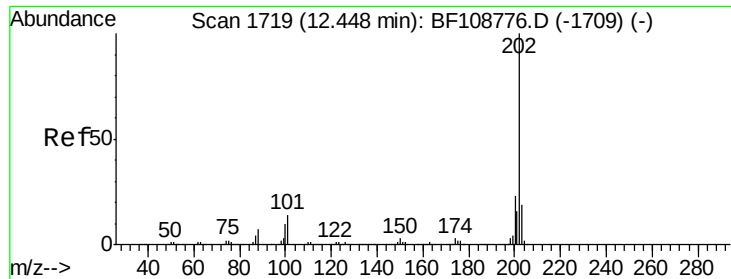
#71
Anthracene
Concen: 4.778 ng
RT: 11.32 min Scan# 1527
Delta R.T. -0.00 min
Lab File: BF108933.D
Acq: 11 Sep 2018 14:21

Tgt Ion:178 Resp: 105267
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.2
179 14.9 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

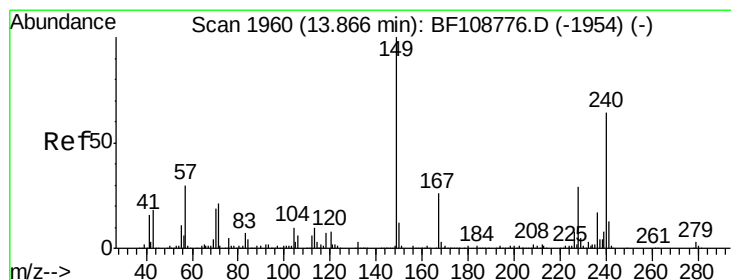
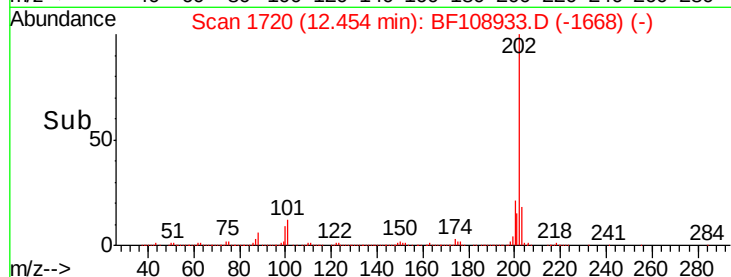
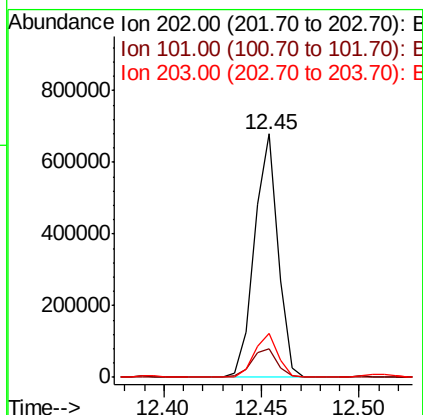
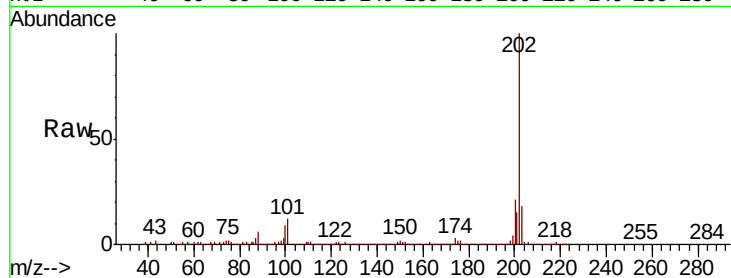




#74
Fluoranthene
Concen: 24.748 ng
RT: 12.45 min Scan# 1720
Delta R.T. 0.01 min
Lab File: BF108933.D
Acq: 11 Sep 2018 14:21

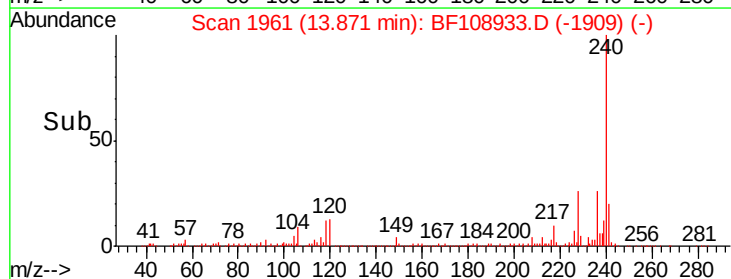
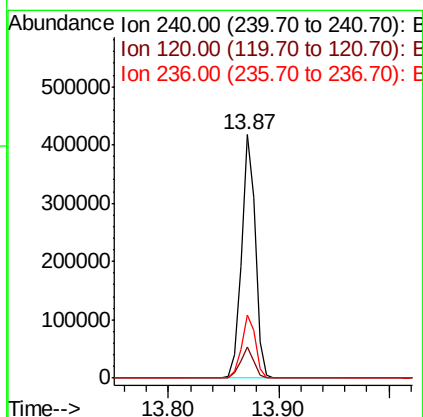
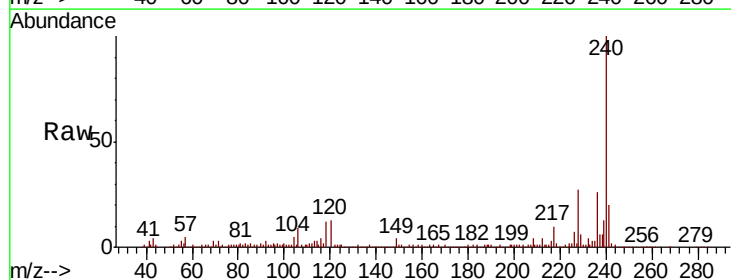
Instrument :
BNA_F
ClientSampleId :

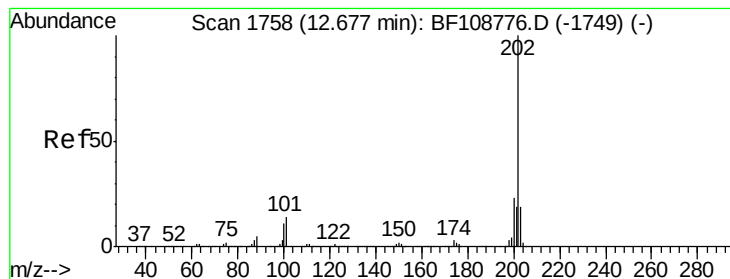
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	34.1
203	18.0	0.0	38.1



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 1961
Delta R.T. 0.01 min
Lab File: BF108933.D
Acq: 11 Sep 2018 14:21

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.0	9.5	14.3
236	25.9	20.7	31.1





#77

Pvrene

Concen: 19.719 ng

RT: 12.68 min Scan# 1758

Delta R.T. -0.00 min

Lab File: BF108933.D

Acq: 11 Sep 2018 14:21

Instrument :

BNA_F

ClientSampleId :

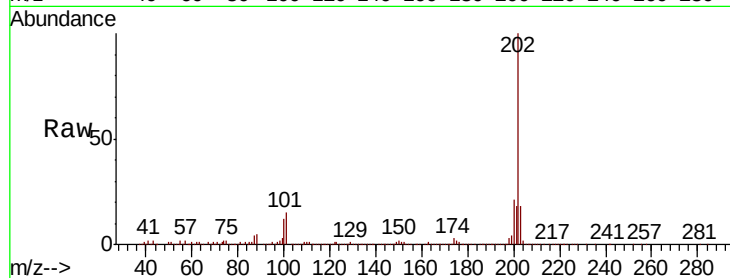
Tot Ion:202 Resp: 558389

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

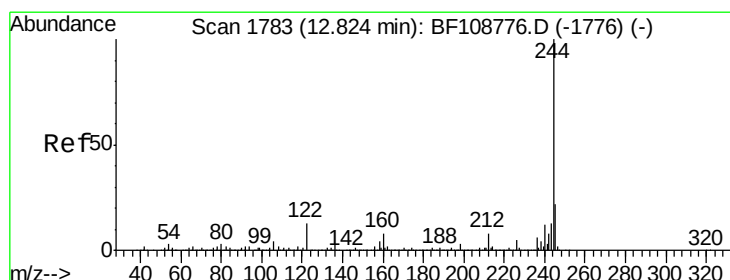
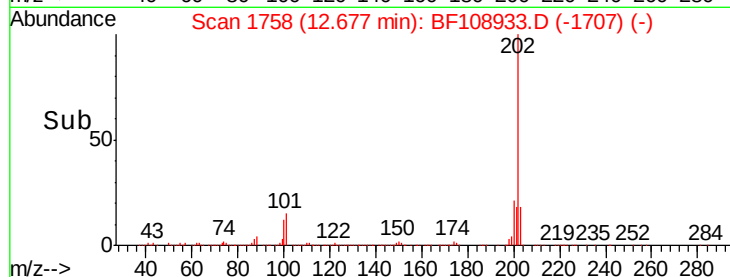
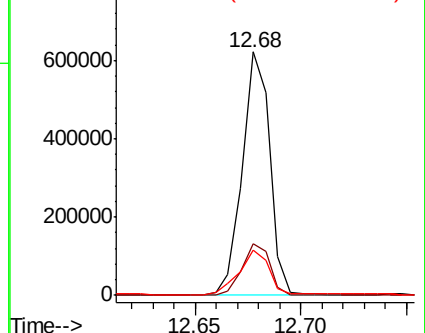
203 18.5 14.3 21.5



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: 57.980 ng

RT: 12.83 min Scan# 1784

Delta R.T. 0.01 min

Lab File: BF108933.D

Acq: 11 Sep 2018 14:21

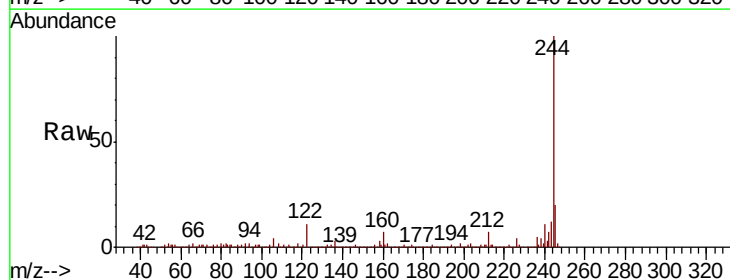
Tgt Ion:244 Resp: 915008

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

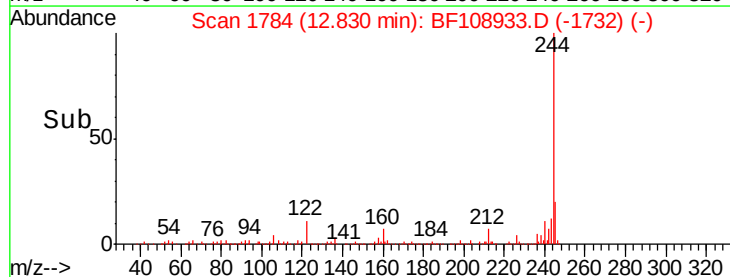
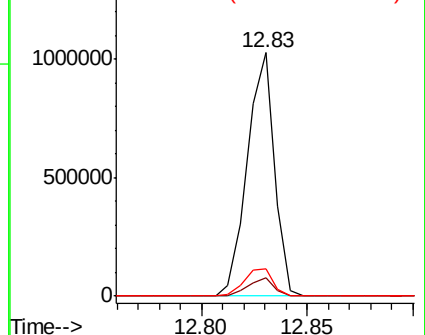
122 11.2 11.0 16.4

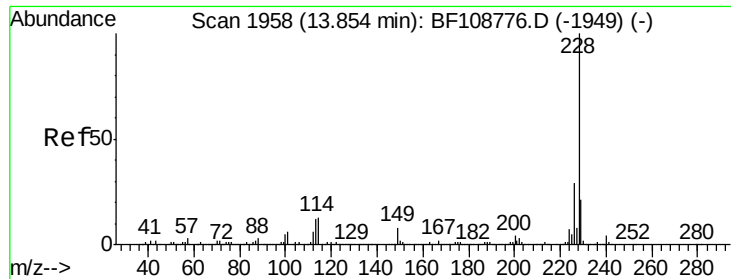


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 15.403 ng

RT: 13.86 min Scan# 1959

Delta R.T. 0.01 min

Lab File: BF108933.D

Acq: 11 Sep 2018 14:21

Instrument :

BNA_F

ClientSampled :

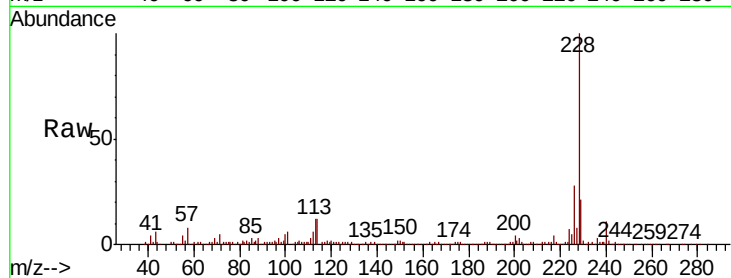
Tot Ion:228 Resp: 363321

Ion Ratio Lower Upper

228 100

226 28.4 22.6 33.8

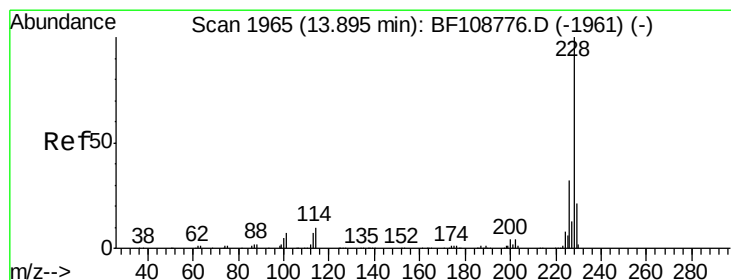
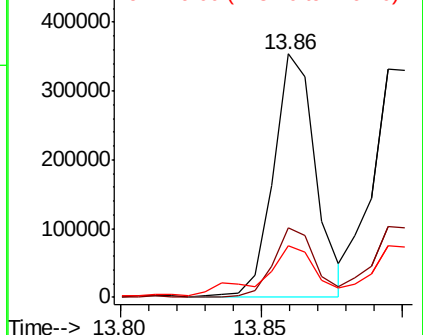
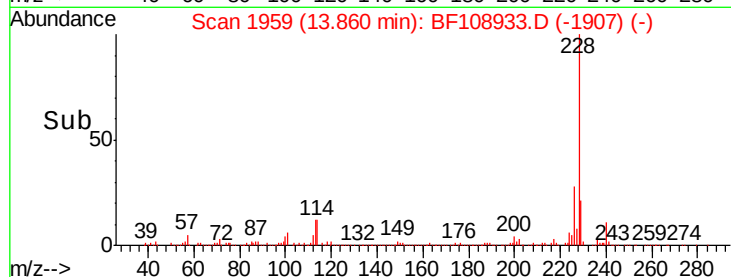
229 21.0 15.8 23.6



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: 15.159 ng

RT: 13.89 min Scan# 1965

Delta R.T. -0.00 min

Lab File: BF108933.D

Acq: 11 Sep 2018 14:21

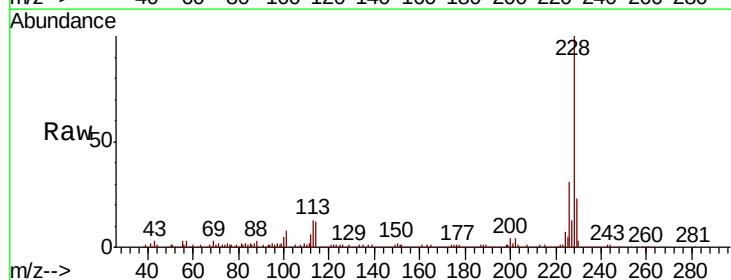
Tgt Ion:228 Resp: 346154

Ion Ratio Lower Upper

228 100

226 30.8 25.0 37.6

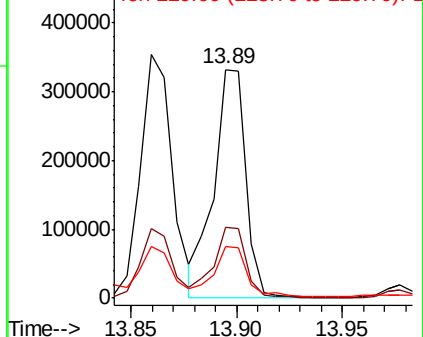
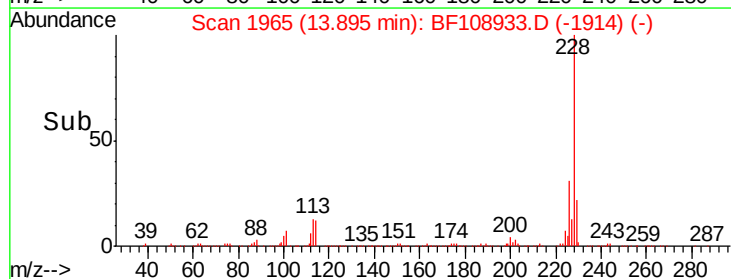
229 22.5 16.2 24.4

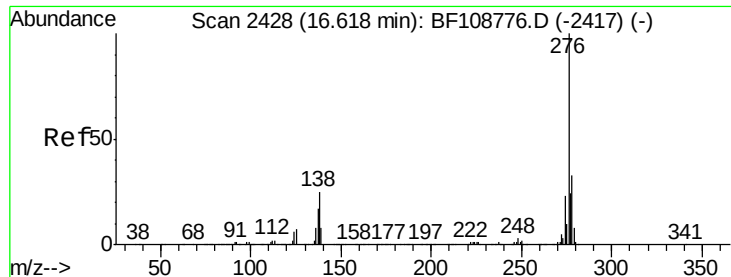


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

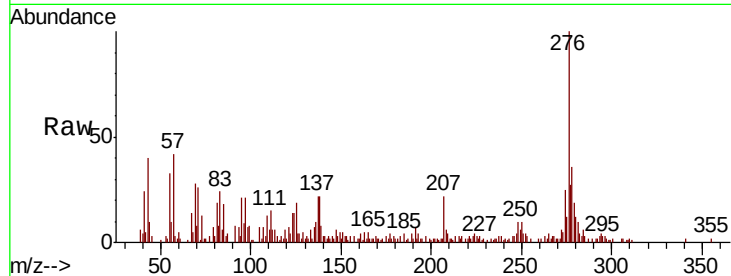




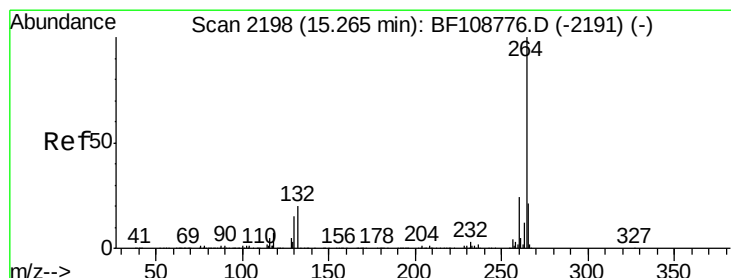
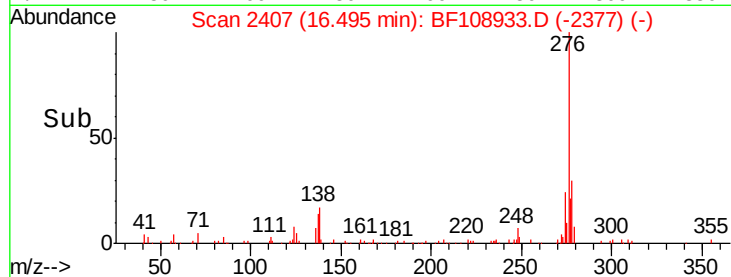
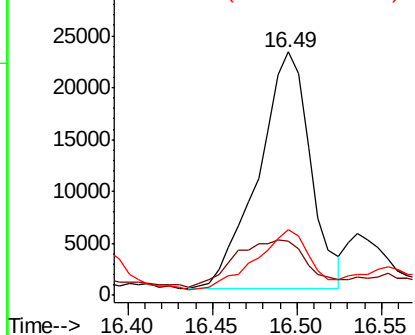
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.412 ng
 RT: 16.49 min Scan# 2407
 Delta R.T. -0.12 min
 Lab File: BF108933.D
 Acq: 11 Sep 2018 14:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 48743
 Ion Ratio Lower Upper
 276 100
 138 27.0 25.0 37.6
 277 26.4 20.1 30.1

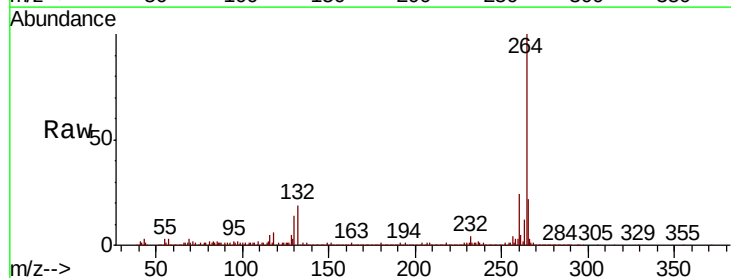


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

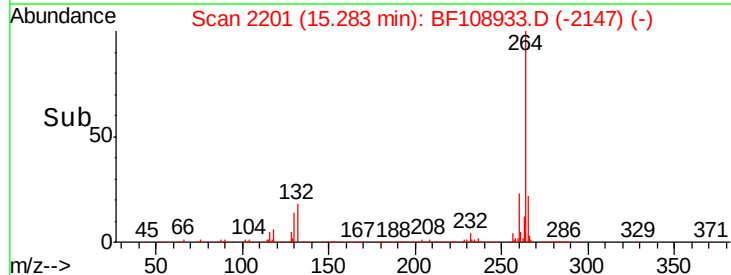
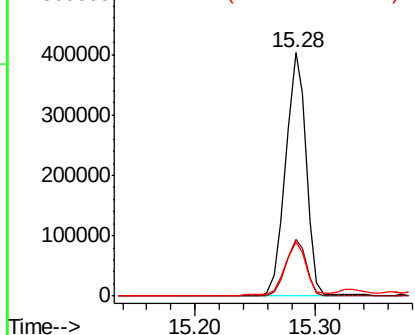


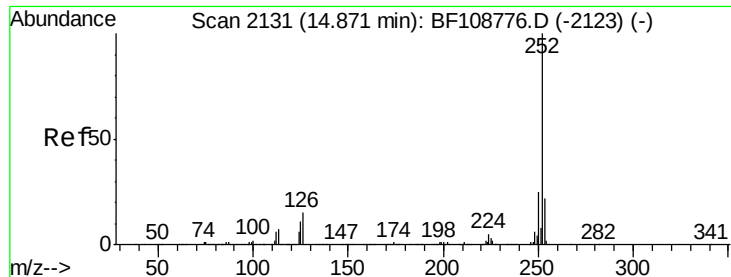
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.28 min Scan# 2201
 Delta R.T. 0.02 min
 Lab File: BF108933.D
 Acq: 11 Sep 2018 14:21

Tgt Ion:264 Resp: 469404
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 22.0 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

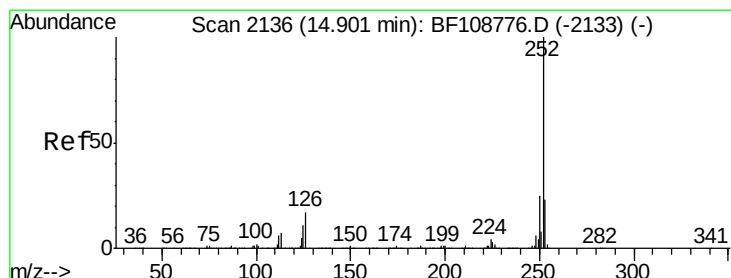
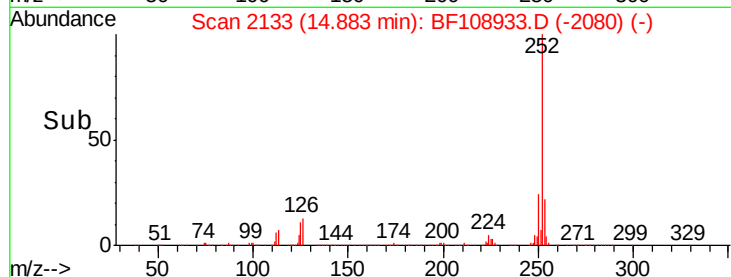
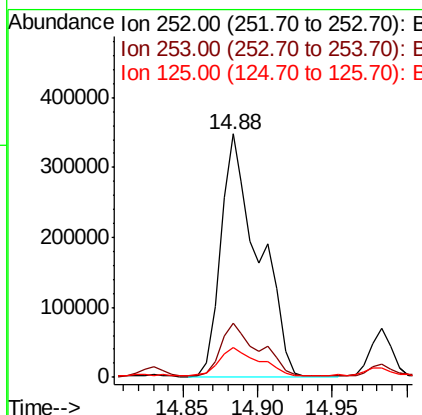
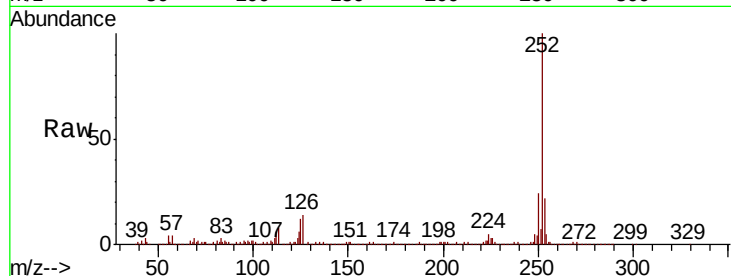




#87
Benzo(b)fluoranthene
Concen: 23.741 ng
RT: 14.88 min Scan# 2133
Delta R.T. 0.01 min
Lab File: BF108933.D
Acq: 11 Sep 2018 14:21

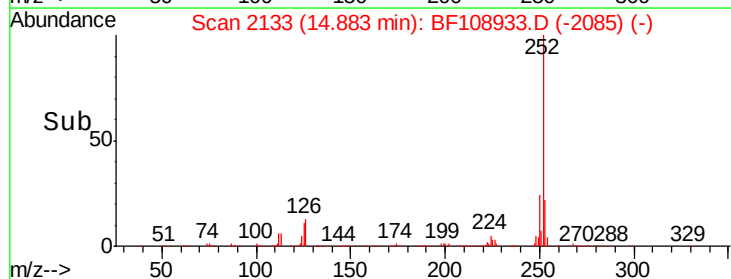
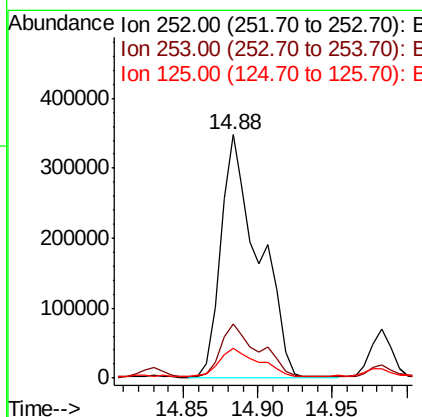
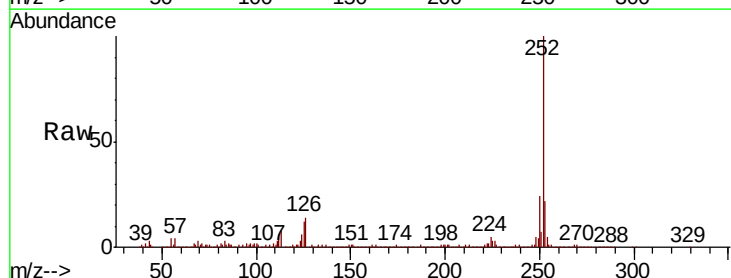
Instrument :
BNA_F
ClientSampled :

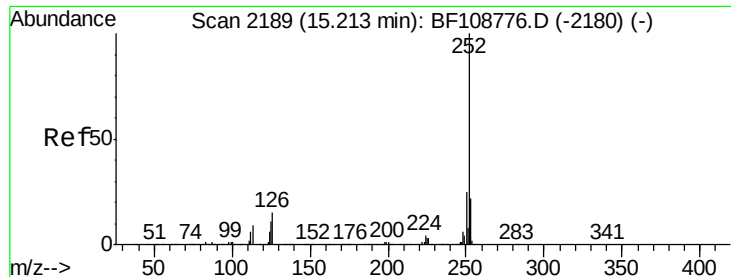
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	12.1	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 25.780 ng
RT: 14.88 min Scan# 2133
Delta R.T. -0.02 min
Lab File: BF108933.D
Acq: 11 Sep 2018 14:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	12.1	10.2	15.2





#89

Benzo(a)pyrene

Concen: 14.930 ng

RT: 15.22 min Scan# 2191

Delta R.T. 0.01 min

Lab File: BF108933.D

Acq: 11 Sep 2018 14:21

Instrument :

BNA_F

ClientSampleId :

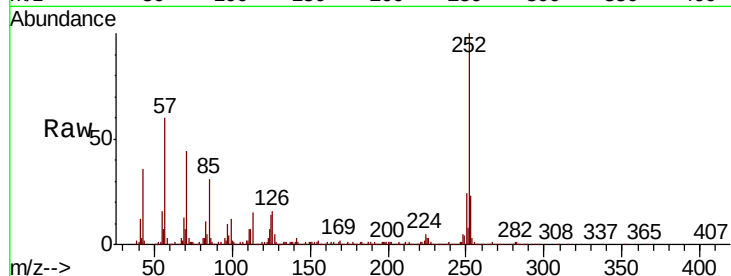
Tot Ion:252 Resp: 343836

Ion Ratio Lower Upper

252 100

253 23.1 17.1 25.7

125 13.7 9.8 14.6

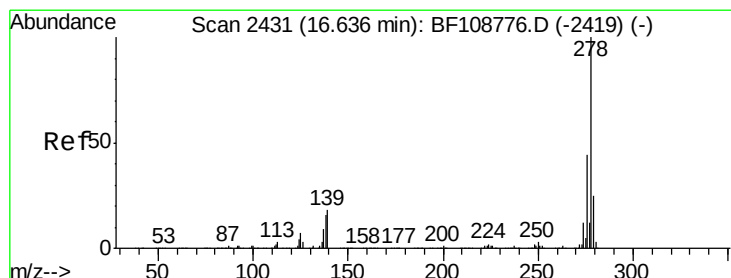
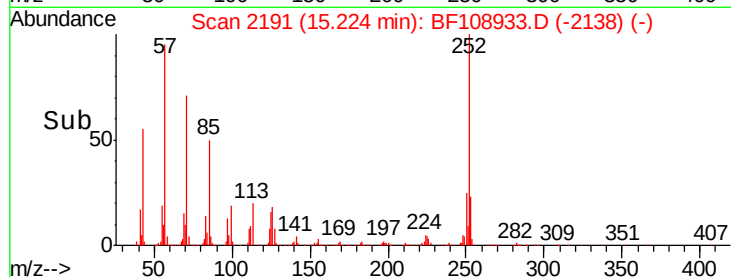
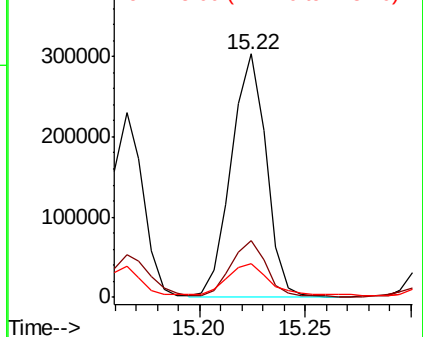


Abundance

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



#90

Dibenzo(a,h)anthracene

Concen: 3.736 ng

RT: 16.65 min Scan# 2433

Delta R.T. 0.01 min

Lab File: BF108933.D

Acq: 11 Sep 2018 14:21

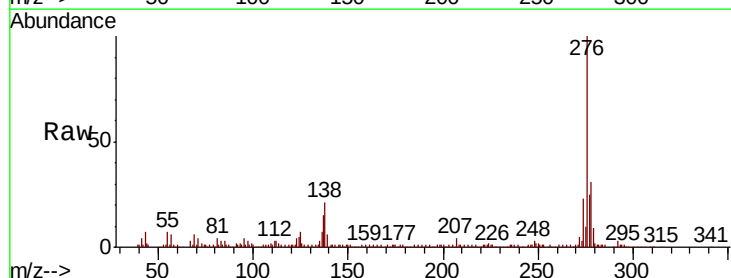
Tgt Ion:278 Resp: 75815

Ion Ratio Lower Upper

278 100

139 20.6 15.9 23.9

279 28.1 19.0 28.4

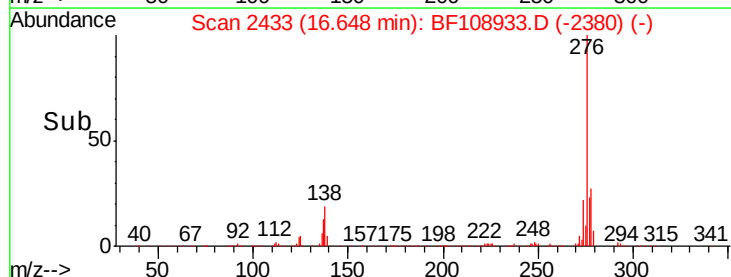
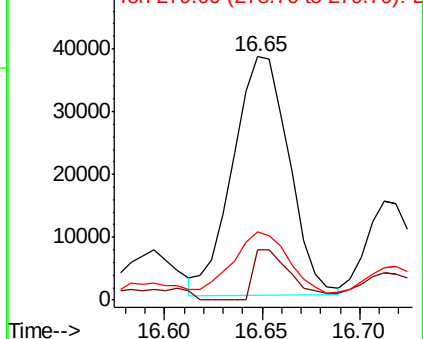


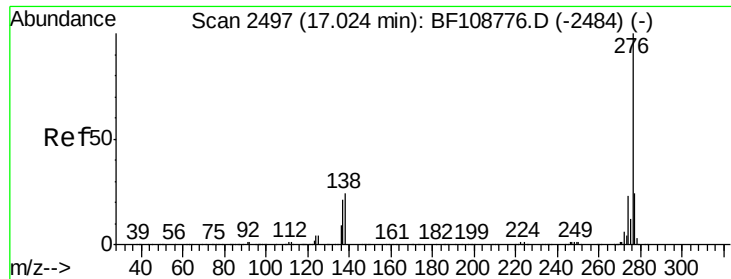
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 12.102 ng
 RT: 17.05 min Scan# 2501
 Delta R.T. 0.02 min
 Lab File: BF108933.D
 Acq: 11 Sep 2018 14:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.0	17.9	26.9
138	23.2	21.8	32.8

