

Data File : BF108830.D
Acq On : 6 Sep 2018 18:25
Operator : JU/SJ
Sample : J4803-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EP1-Q2-E7

Quant Time: Sep 07 01:44:46 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	217042	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	773872	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	335900	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	605297	20.00	ng	0.00
75) Chrysene-d12	13.87	240	629546	20.00	ng	0.00
86) Perylene-d12	15.28	264	716267	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	1003115	76.57	ng	0.01
7) Phenol-d6	6.37	99	1207988	71.66	ng	0.00
23) Nitrobenzene-d5	7.29	82	759857	61.45	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	256821	80.09	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	1236375	62.79	ng	0.00
78) Terphenyl-d14	12.82	244	1200560	44.47	ng	0.00

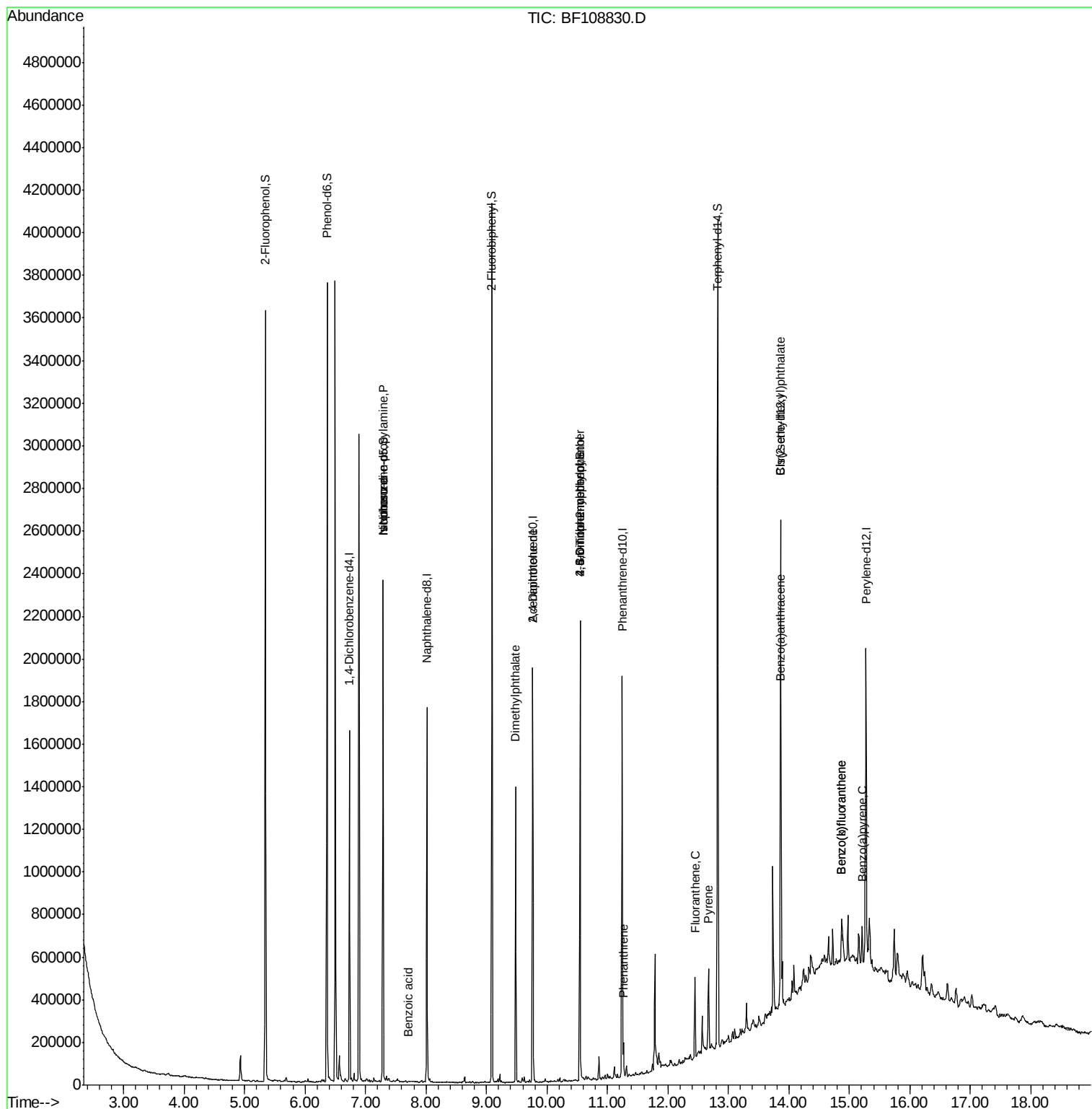
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.29	70	102468	8.745	ng	# 77
25) Isophorone	7.29	82	755287	30.620	ng	# 64
32) Benzoic acid	7.70	122	271	4.058	ng	# 67
49) Dimethylphthalate	9.48	163	474530	20.198	ng	99
56) 2,4-Dinitrotoluene	9.77	165	43091	7.527	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.55	198	509	7.052	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	15788	2.309	ng	# 1
70) Phenanthrene	11.27	178	57815	2.000	ng	98
74) Fluoranthene	12.45	202	144393	5.045	ng	95
77) Pyrene	12.67	202	144361	2.980	ng	99
80) Benzo(a)anthracene	13.85	228	84490	2.094	ng	95
83) Bis(2-ethylhexyl)phthalate	13.87	149	60464	2.206	ng	99
87) Benzo(b)fluoranthene	14.87	252	144344	3.706	ng	# 93
88) Benzo(k)fluoranthene	14.87	252	144344	4.024	ng	# 95
89) Benzo(a)pyrene	15.21	252	81560	2.321	ng	# 92

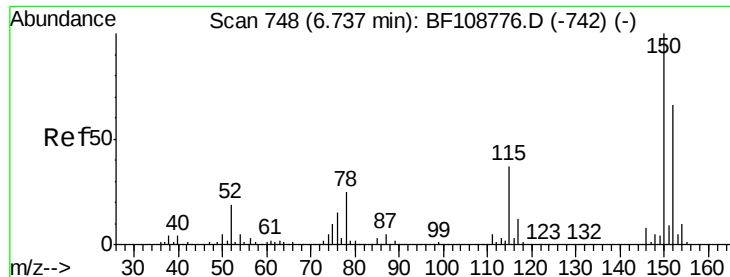
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF108830.D

Acq: 6 Sep 2018 18:25

Instrument :

BNA_F

ClientSampleId :

EP1-Q2-E7

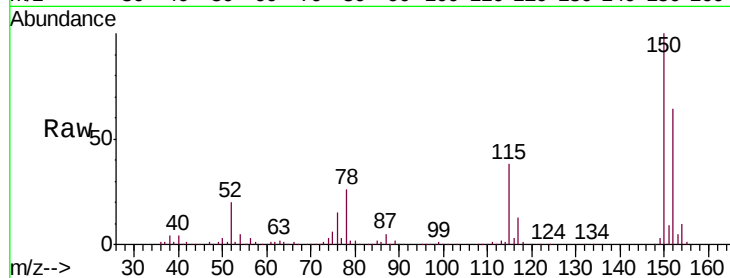
Tgt Ion:152 Resp: 217042

Ion Ratio Lower Upper

152 100

150 157.3 124.6 186.8

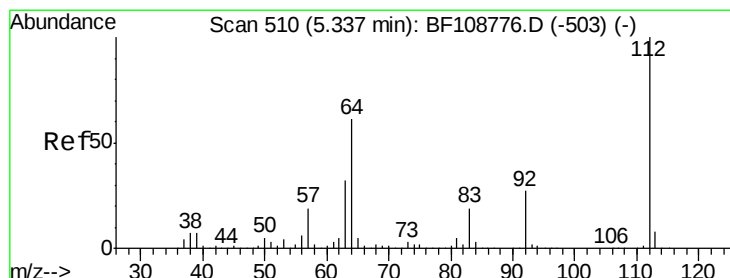
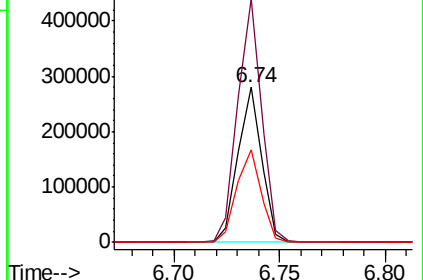
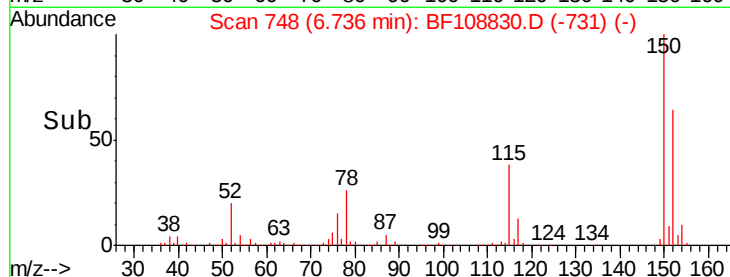
115 60.0 50.1 75.1



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: 76.567 ng

RT: 5.35 min Scan# 512

Delta R.T. 0.01 min

Lab File: BF108830.D

Acq: 6 Sep 2018 18:25

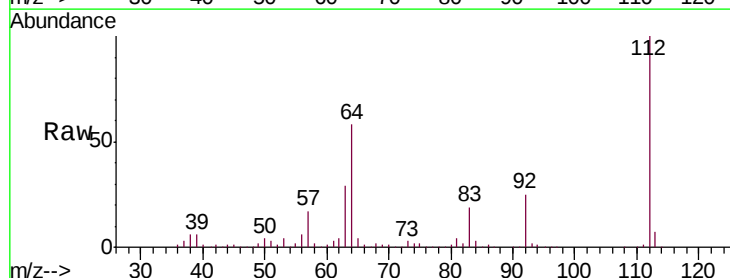
Tgt Ion:112 Resp: 1003115

Ion Ratio Lower Upper

112 100

64 57.6 47.9 71.9

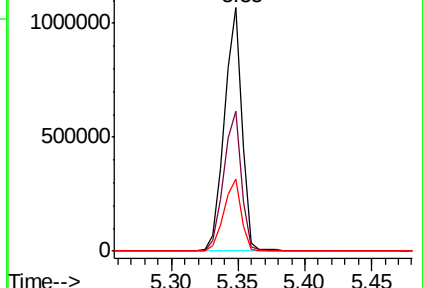
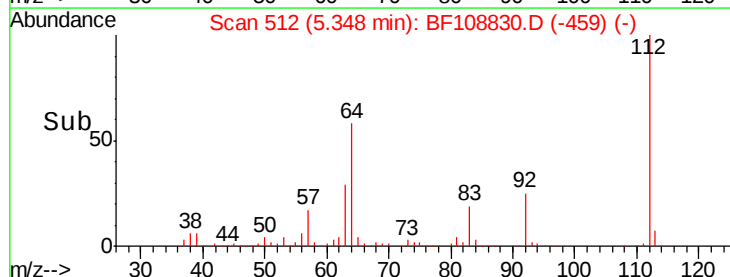
63 29.4 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 71.662 ng

RT: 6.37 min Scan# 685

Delta R.T. -0.00 min

Lab File: BF108830.D

Acq: 6 Sep 2018 18:25

Instrument :

BNA_F

ClientSampleId :

EP1-Q2-E7

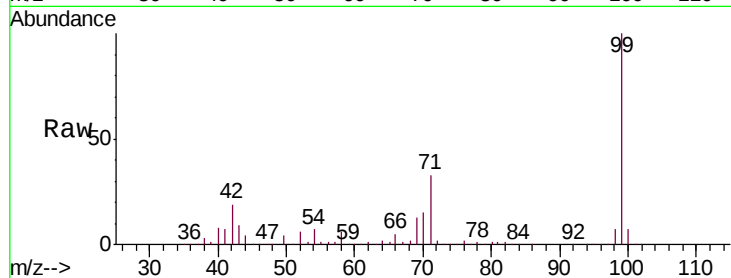
Tgt Ion: 99 Resp: 1207988

Ion Ratio Lower Upper

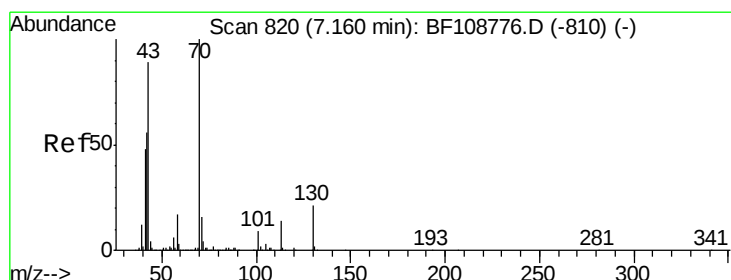
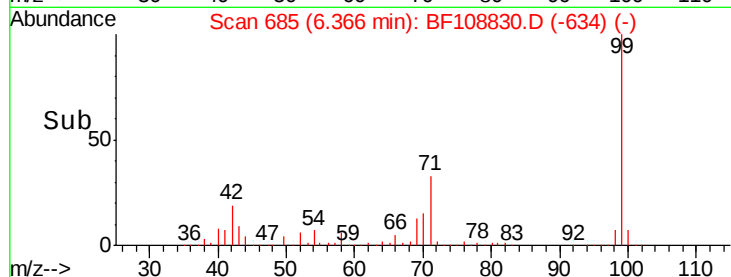
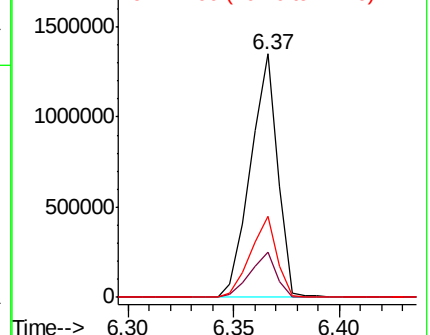
99 100

42 18.7 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: 8.745 ng

RT: 7.29 min Scan# 842

Delta R.T. 0.13 min

Lab File: BF108830.D

Acq: 6 Sep 2018 18:25

Tgt Ion: 70 Resp: 102468

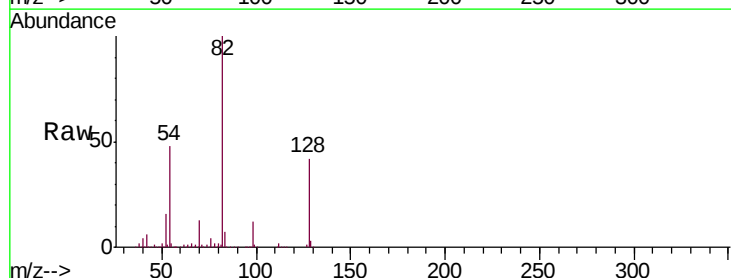
Ion Ratio Lower Upper

70 100

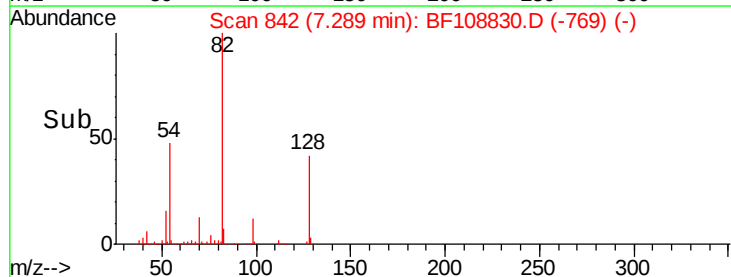
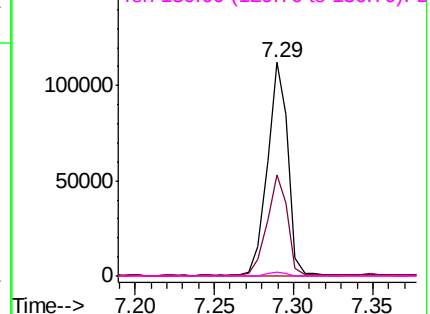
42 47.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.0 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

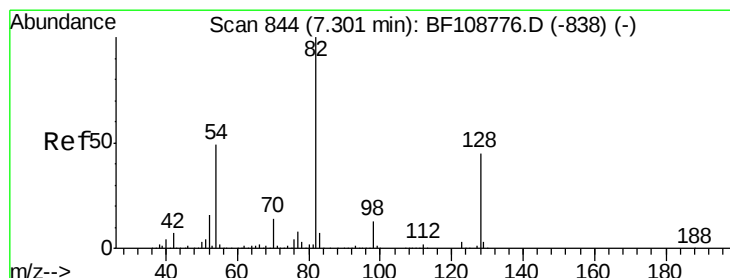
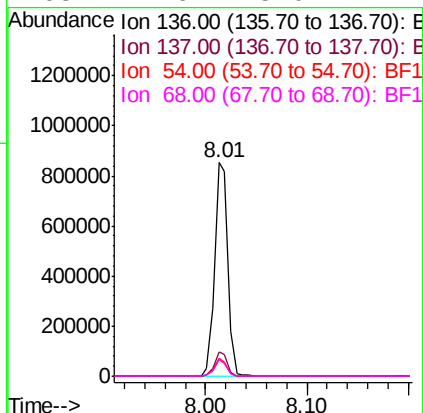
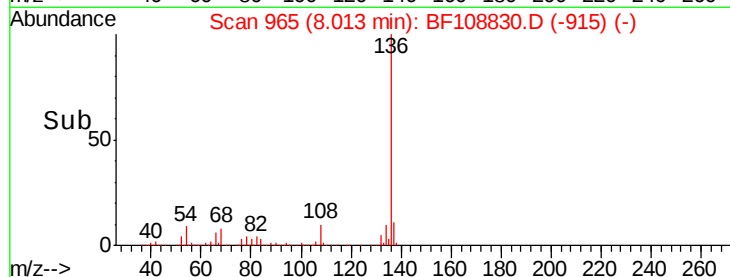
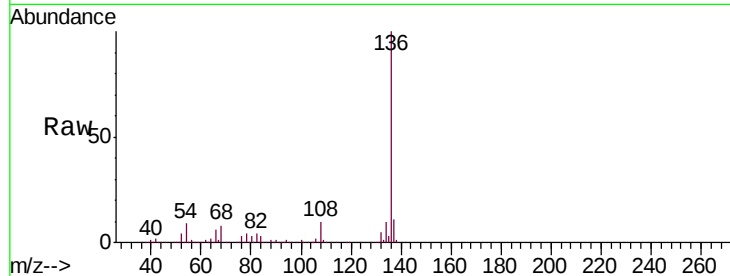




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 965
Delta R.T. -0.01 min
Lab File: BF108830.D
Acq: 6 Sep 2018 18:25

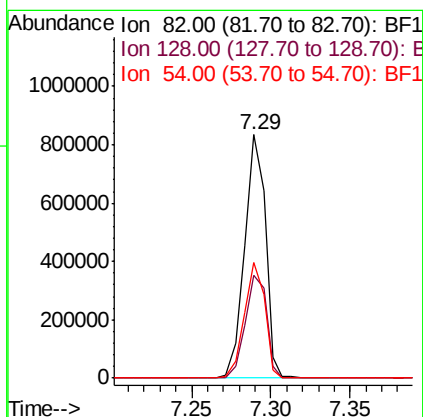
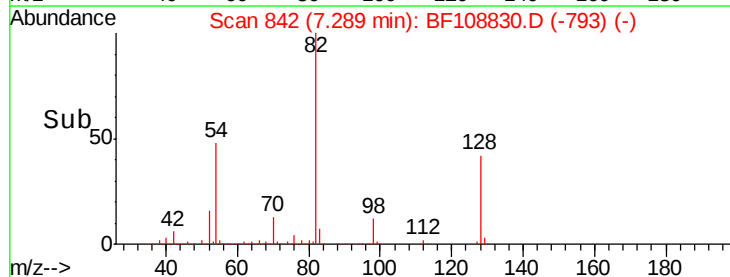
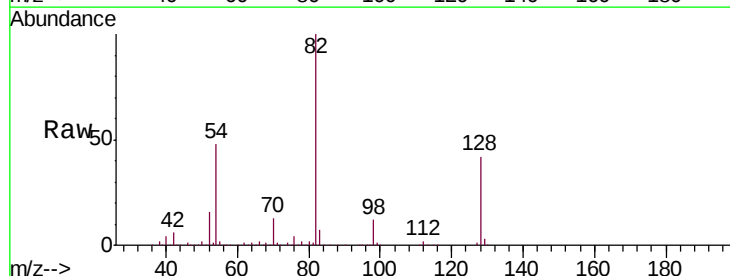
Instrument :
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ClientSampleId :
EP1-Q2-E7

Tgt Ion:	136	Resp:	773872
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	8.6	6.6	9.8
68	7.6	5.0	7.4#



#23
Nitrobenzene-d5
Concen: 61.448 ng
RT: 7.29 min Scan# 842
Delta R.T. -0.01 min
Lab File: BF108830.D
Acq: 6 Sep 2018 18:25

Tgt Ion:	82	Resp:	759857
Ion	Ratio	Lower	Upper
82	100		
128	42.3	36.1	54.1
54	47.6	41.4	62.2





#25

Isophorone

Concen: 30.620 ng

RT: 7.29 min Scan# 842

Delta R.T. -0.27 min

Lab File: BF108830.D

Acq: 6 Sep 2018 18:25

Instrument :

BNA_F

ClientSampleId :

EP1-Q2-E7

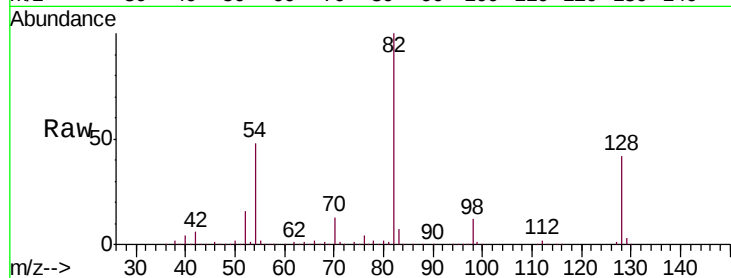
Tgt Ion: 82 Resp: 755287

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

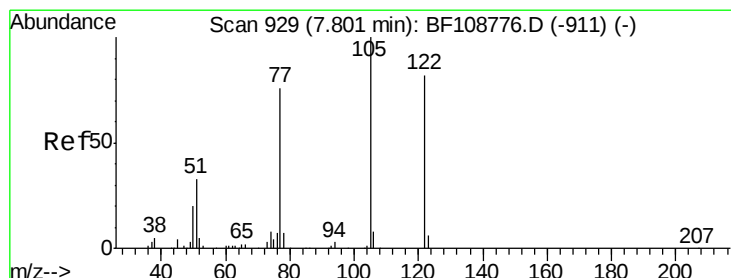
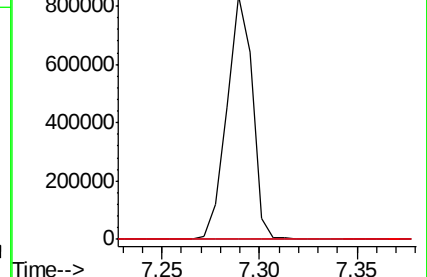
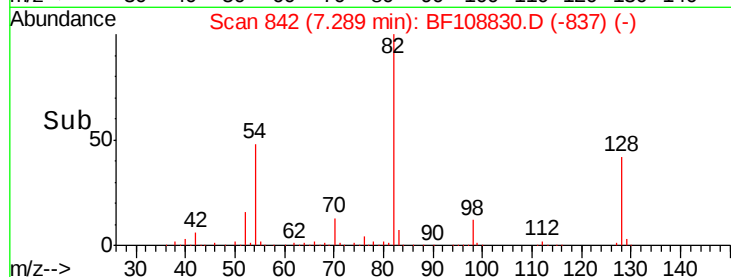
138 0.0 14.9 22.3#



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: 4.058 ng

RT: 7.70 min Scan# 912

Delta R.T. -0.10 min

Lab File: BF108830.D

Acq: 6 Sep 2018 18:25

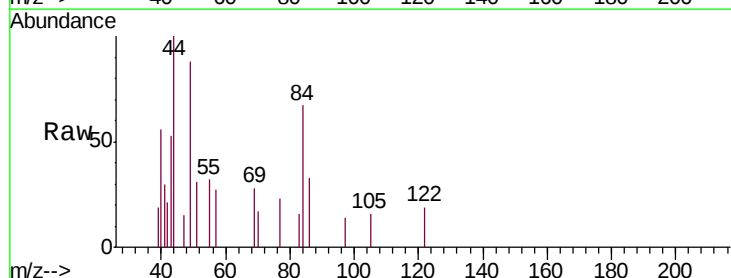
Tgt Ion: 122 Resp: 271

Ion Ratio Lower Upper

122 100

105 88.0 101.1 141.1#

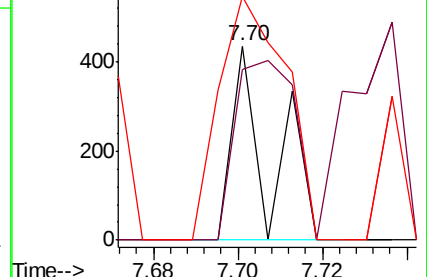
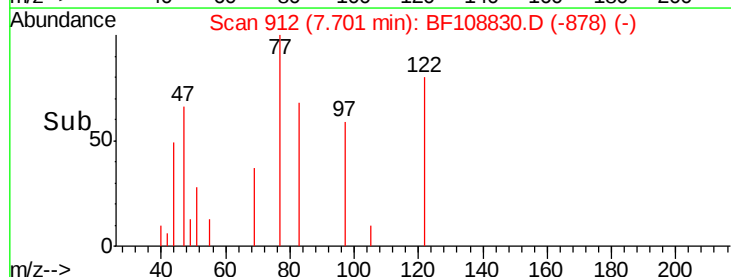
77 125.6 70.7 110.7#

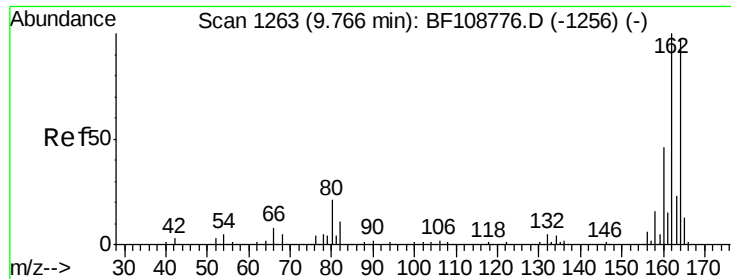


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

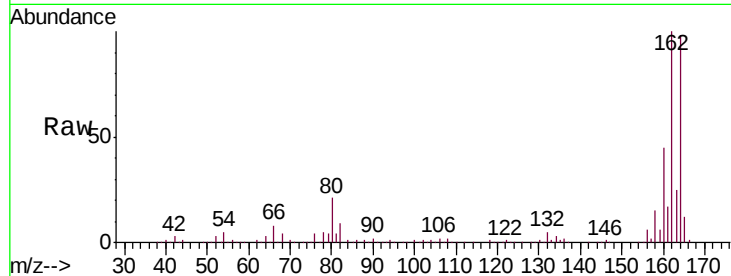




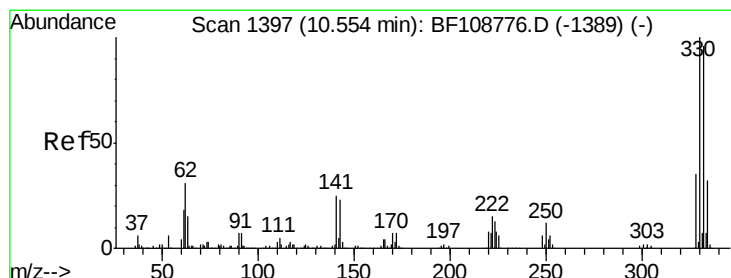
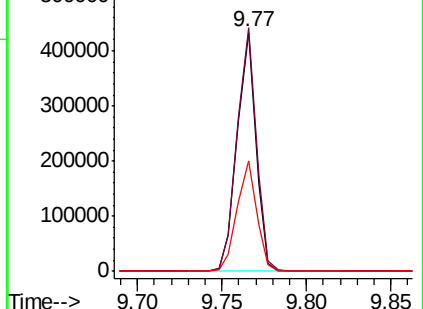
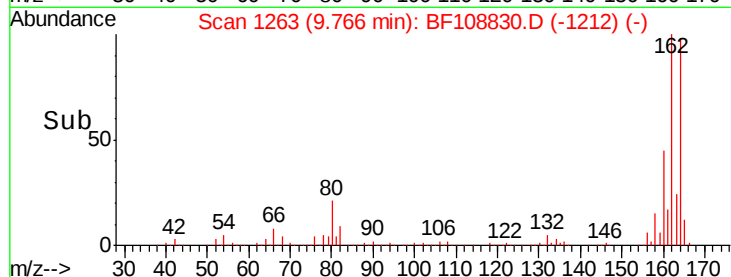
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1263
 Delta R.T. -0.00 min
 Lab File: BF108830.D
 Acq: 6 Sep 2018 18:25

Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q2-E7

Tgt Ion:164 Resp: 335900
 Ion Ratio Lower Upper
 164 100
 162 102.1 86.1 129.1
 160 46.3 38.3 57.5

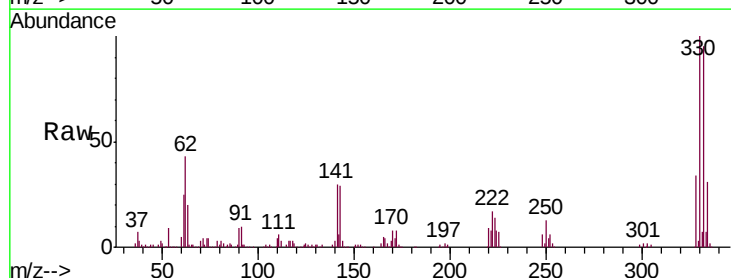


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

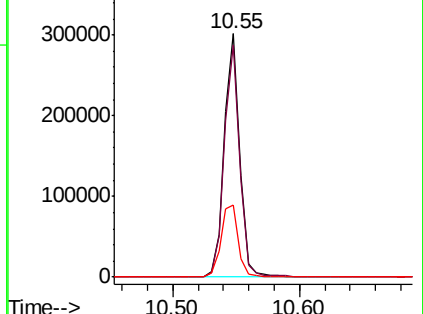
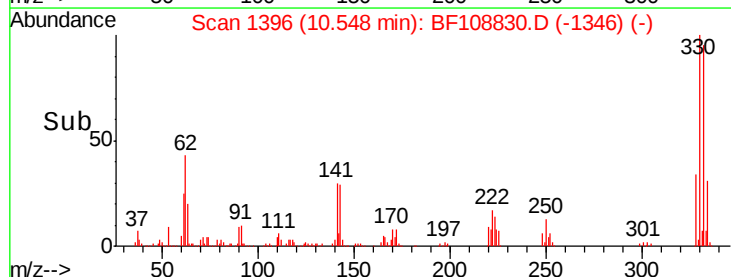


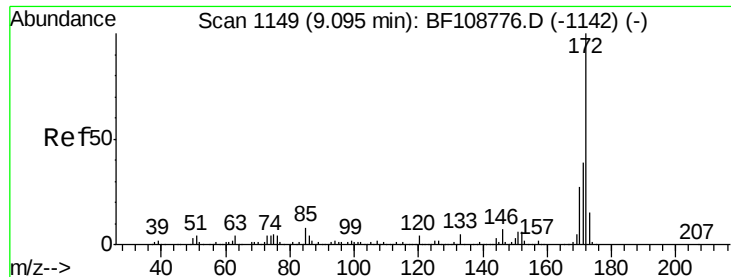
#41
 2,4,6-Tribromophenol
 Concen: 80.090 ng
 RT: 10.55 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF108830.D
 Acq: 6 Sep 2018 18:25

Tgt Ion:330 Resp: 256821
 Ion Ratio Lower Upper
 330 100
 332 94.2 77.0 115.6
 141 33.6 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: 62.794 ng

RT: 9.09 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BF108830.D

Acq: 6 Sep 2018 18:25

Instrument :

BNA_F

ClientSampleId :

EP1-Q2-E7

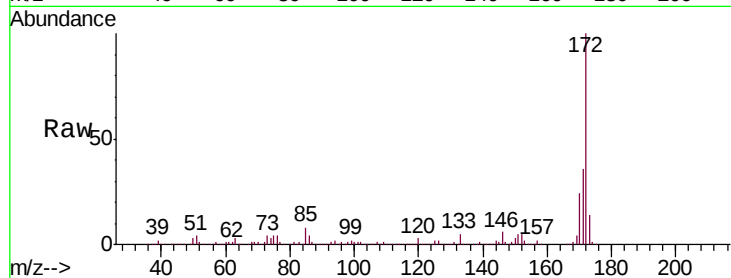
Tgt Ion:172 Resp: 1236375

Ion Ratio Lower Upper

172 100

171 35.5 29.7 44.5

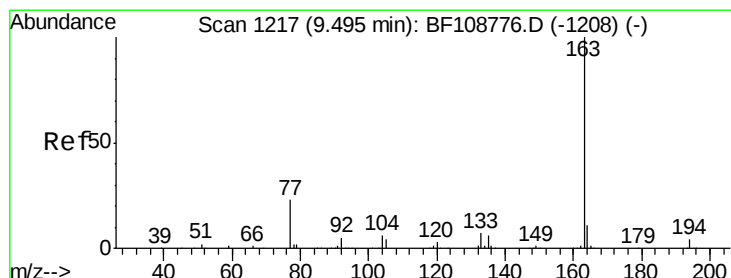
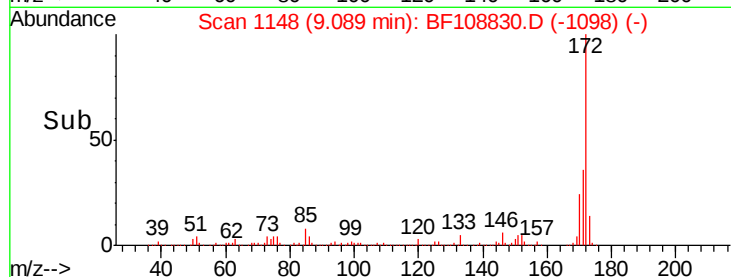
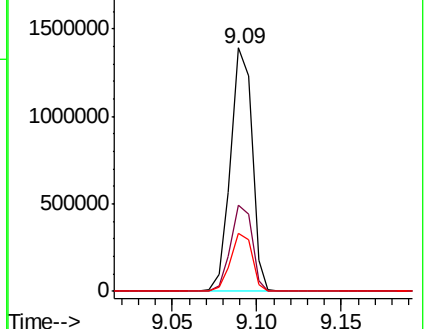
170 24.1 19.6 29.4



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: 20.198 ng

RT: 9.48 min Scan# 1215

Delta R.T. -0.01 min

Lab File: BF108830.D

Acq: 6 Sep 2018 18:25

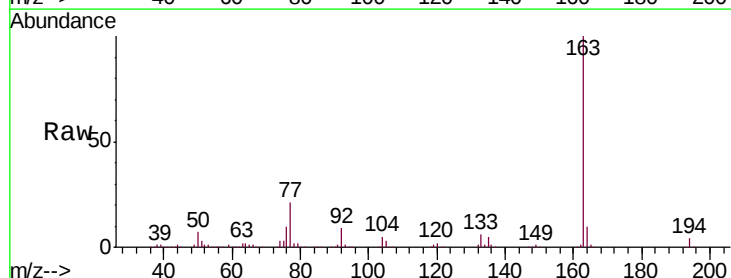
Tgt Ion:163 Resp: 474530

Ion Ratio Lower Upper

163 100

194 3.9 2.7 4.1

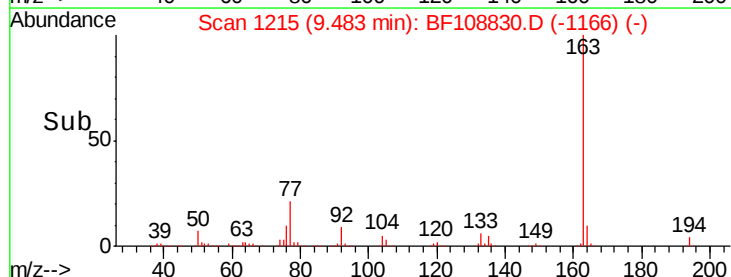
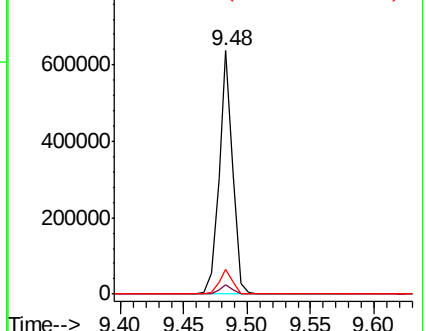
164 10.1 8.2 12.2

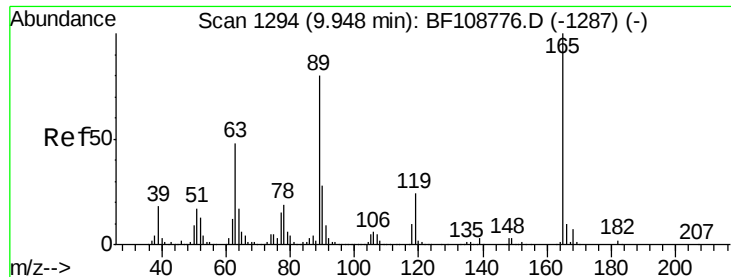


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

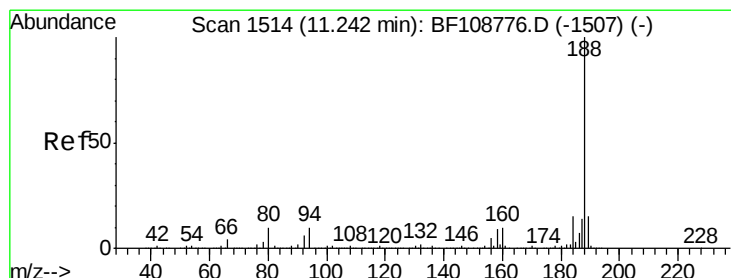
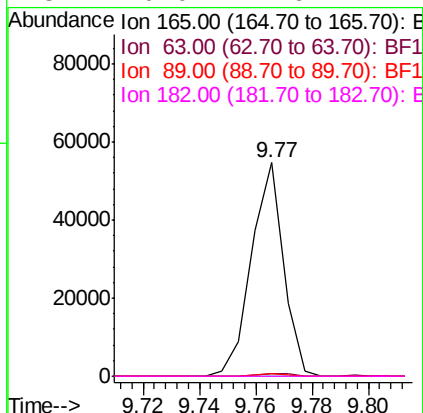
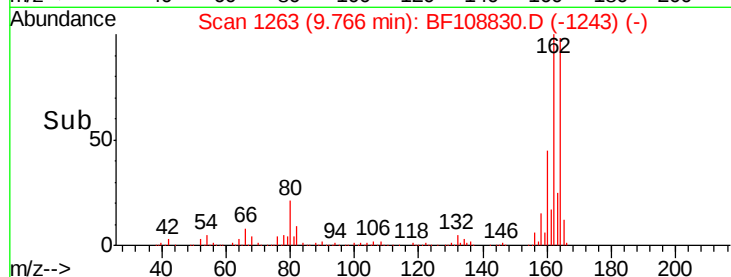
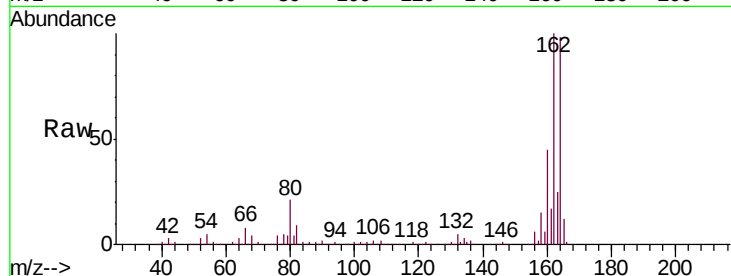




#56
 2,4-Dinitrotoluene
 Concen: 7.527 ng
 RT: 9.77 min Scan# 1263
 Delta R.T. -0.18 min
 Lab File: BF108830.D
 Acq: 6 Sep 2018 18:25

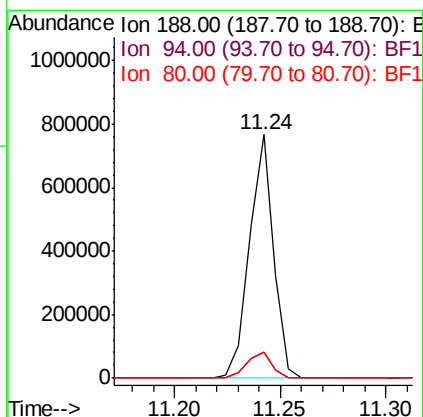
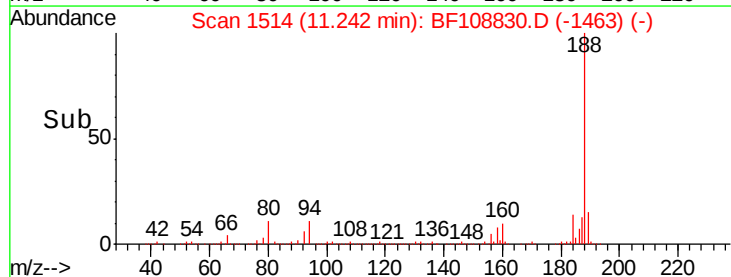
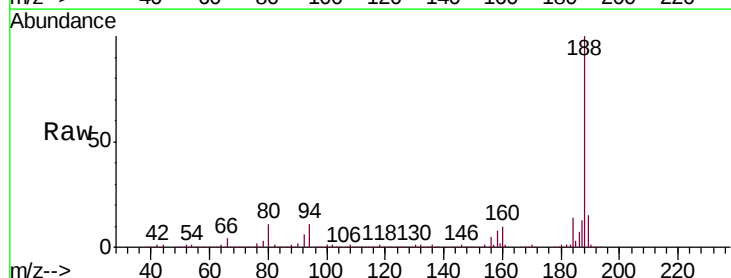
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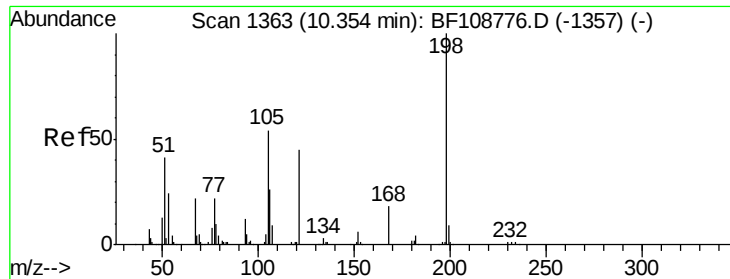
Tgt Ion:	165	Resp:	43091
Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: BF108830.D
 Acq: 6 Sep 2018 18:25

Tgt Ion:	188	Resp:	605297
Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.5	12.7
80	10.8	9.2	13.8

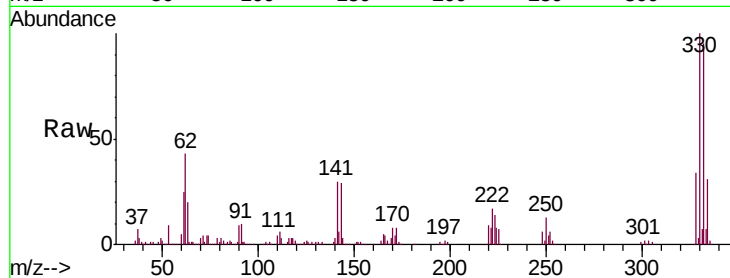




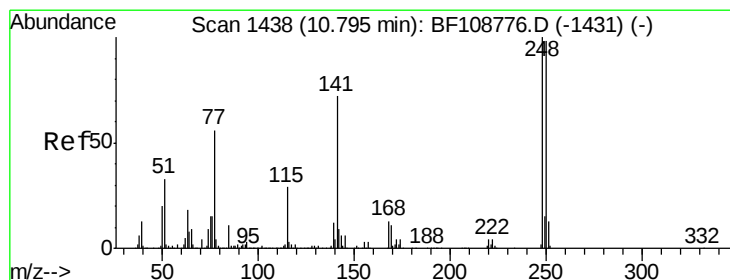
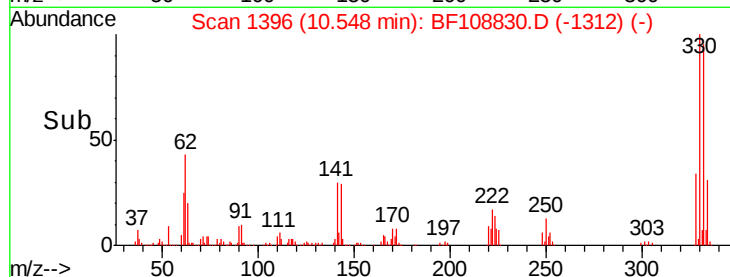
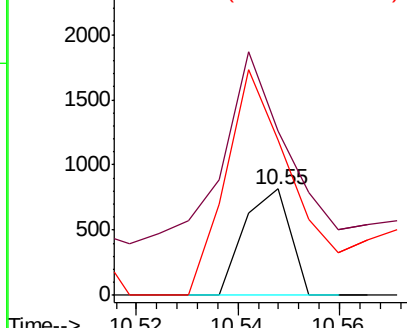
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.052 ng
 RT: 10.55 min Scan# 1396
 Delta R.T. 0.19 min
 Lab File: BF108830.D
 Acq: 6 Sep 2018 18:25

Instrument :
 BNA_F
 ClientSampled :
 EP1-Q2-E7

Tgt Ion:198 Resp: 509
 Ion Ratio Lower Upper
 198 100
 51 154.2 37.7 77.7#
 105 145.6 36.3 76.3#

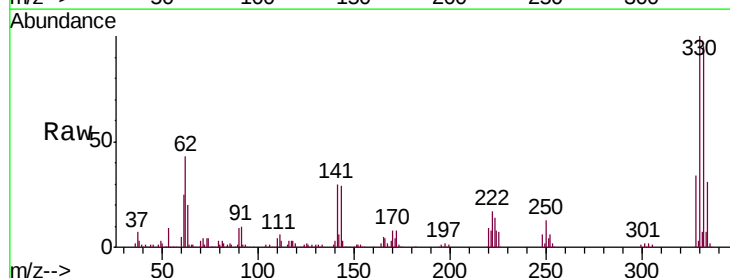


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

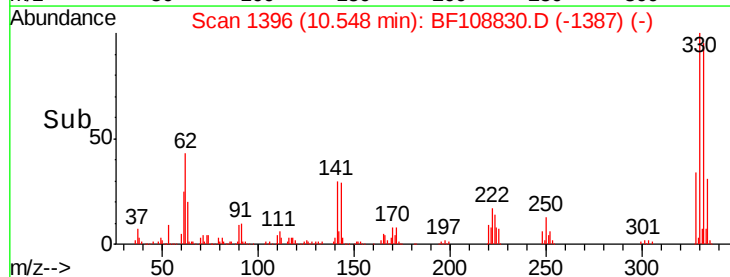
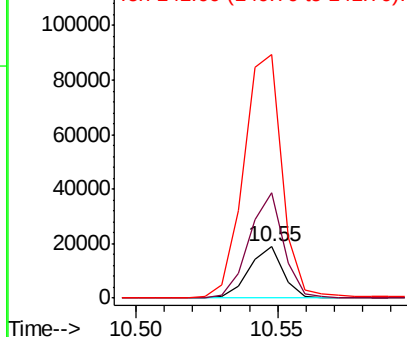


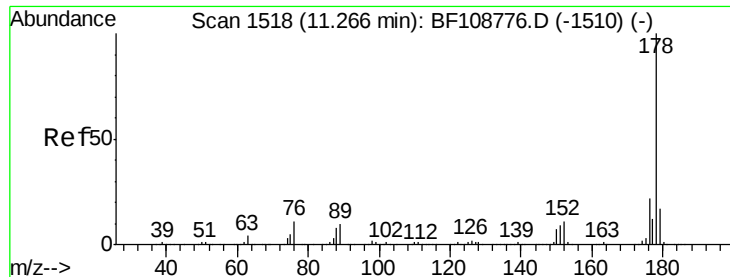
#66
 4-Bromophenyl-phenylether
 Concen: 2.309 ng
 RT: 10.55 min Scan# 1396
 Delta R.T. -0.25 min
 Lab File: BF108830.D
 Acq: 6 Sep 2018 18:25

Tgt Ion:248 Resp: 15788
 Ion Ratio Lower Upper
 248 100
 250 206.2 76.9 115.3#
 141 477.3 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

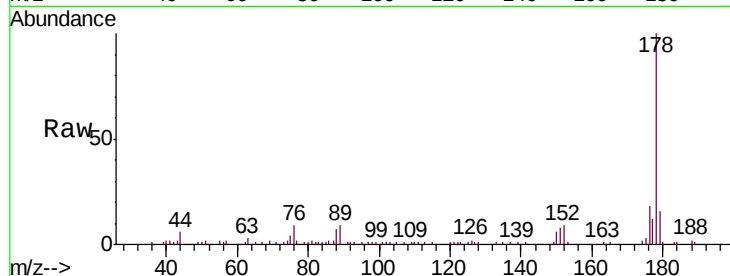




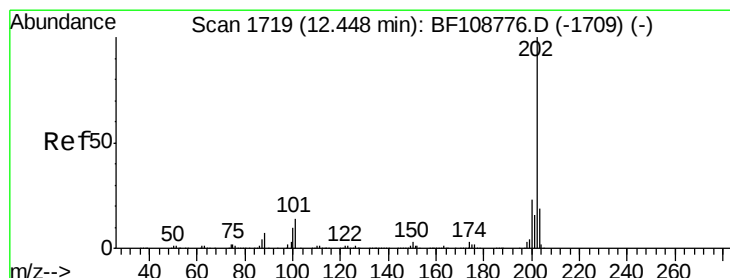
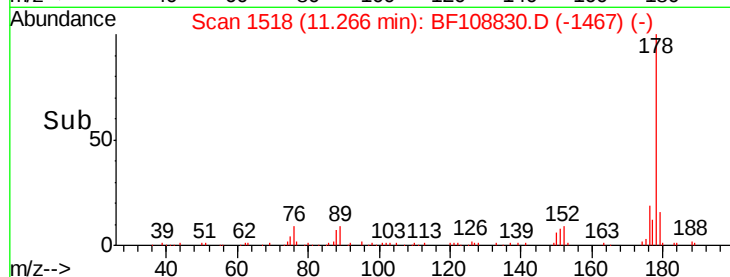
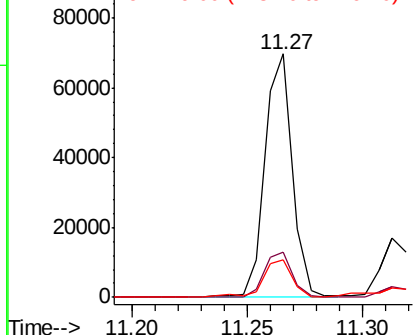
#70
Phenanthrene
Concen: 2.000 ng
RT: 11.27 min Scan# 1518
Delta R.T. -0.00 min
Lab File: BF108830.D
Acq: 6 Sep 2018 18:25

Instrument :
BNA_F
ClientSampleId :
EP1-Q2-E7

Tgt Ion:178 Resp: 57815
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.8
179 15.6 13.0 19.6

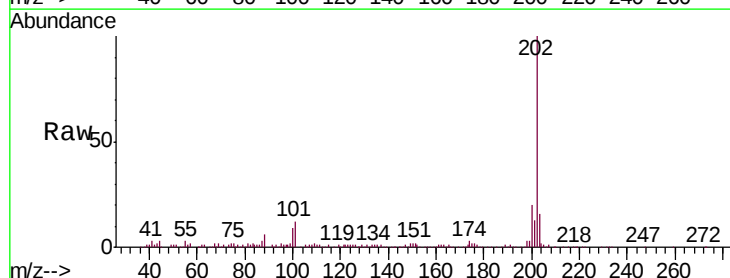


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

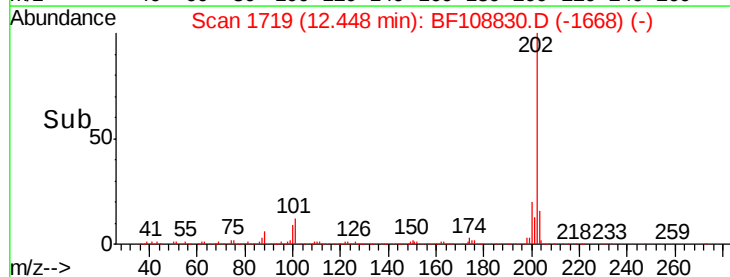
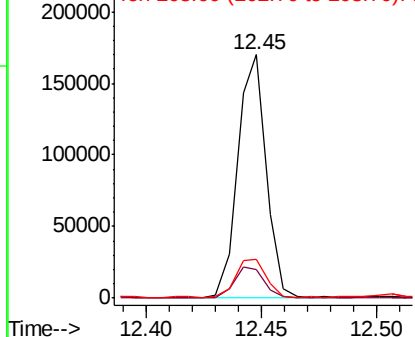


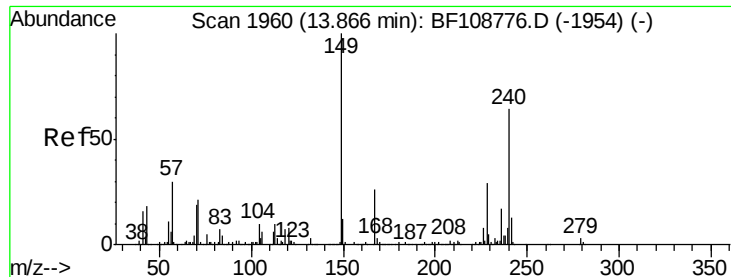
#74
Fluoranthene
Concen: 5.045 ng
RT: 12.45 min Scan# 1719
Delta R.T. -0.00 min
Lab File: BF108830.D
Acq: 6 Sep 2018 18:25

Tgt Ion:202 Resp: 144393
Ion Ratio Lower Upper
202 100
101 11.9 0.0 34.1
203 16.0 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: BF108830.D

Acq: 6 Sep 2018 18:25

Instrument :

BNA_F

ClientSampleId :

EP1-Q2-E7

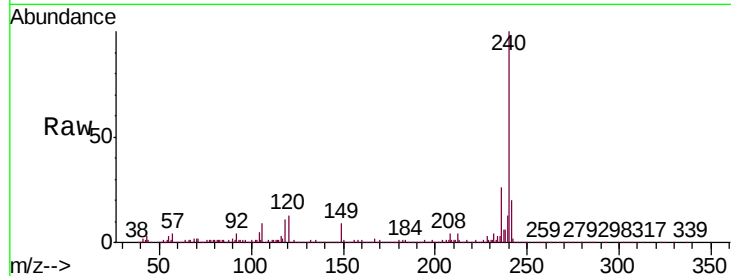
Tgt Ion:240 Resp: 629546

Ion Ratio Lower Upper

240 100

120 13.1 9.5 14.3

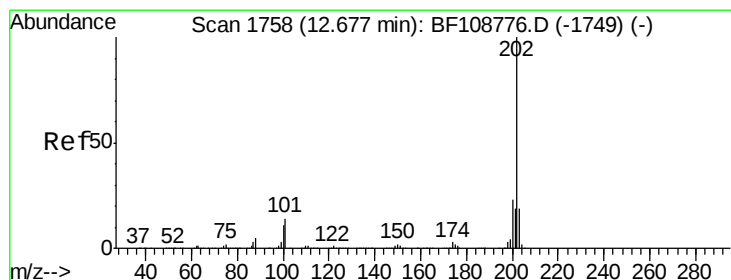
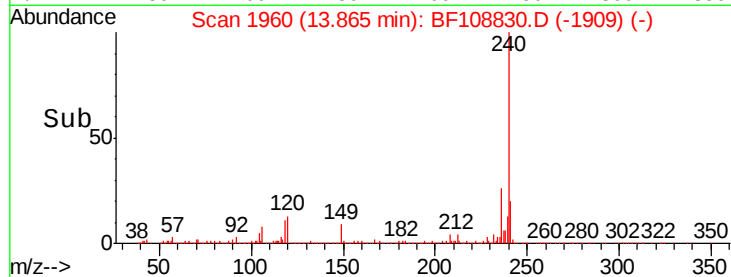
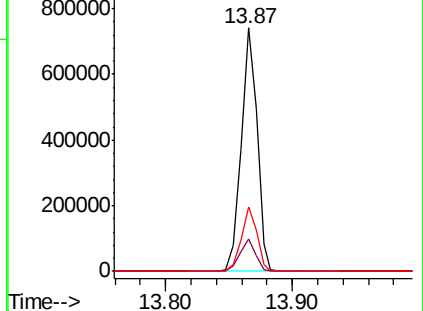
236 26.4 20.7 31.1



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: 2.980 ng

RT: 12.67 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BF108830.D

Acq: 6 Sep 2018 18:25

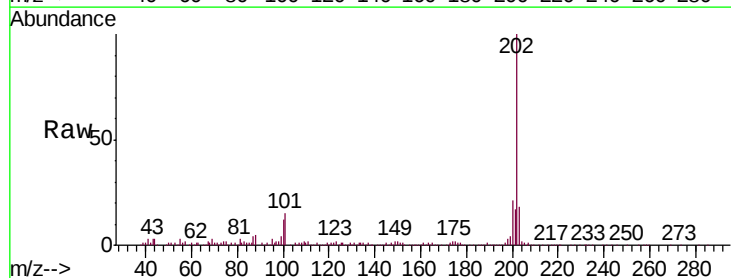
Tgt Ion:202 Resp: 144361

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

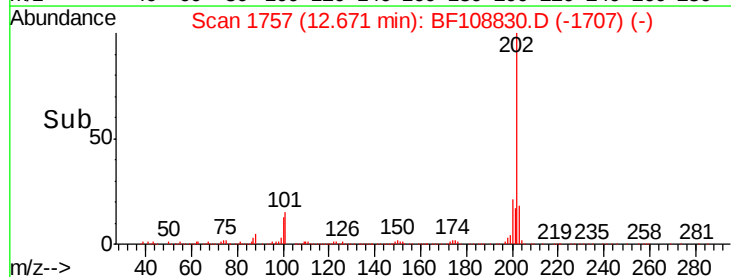
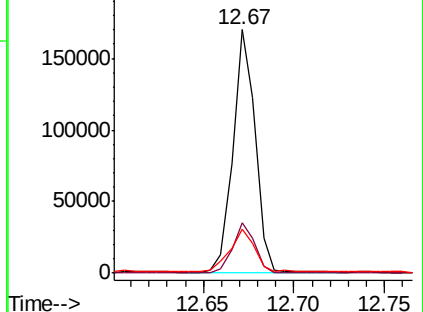
203 18.0 14.3 21.5

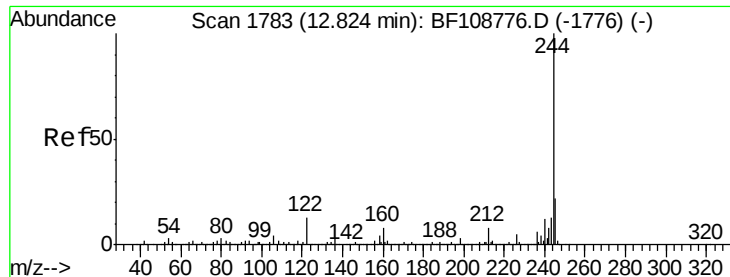


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

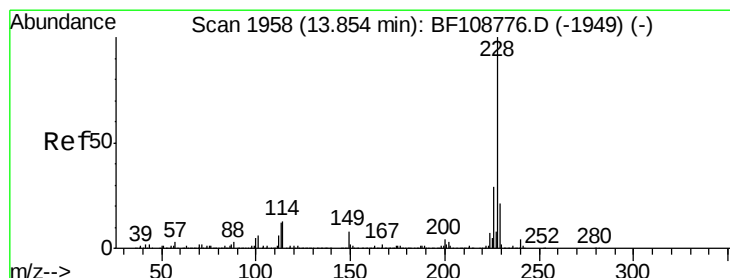
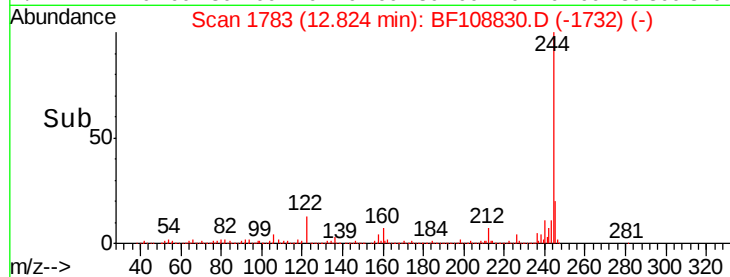
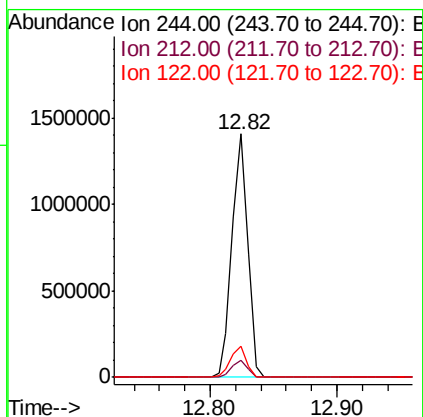
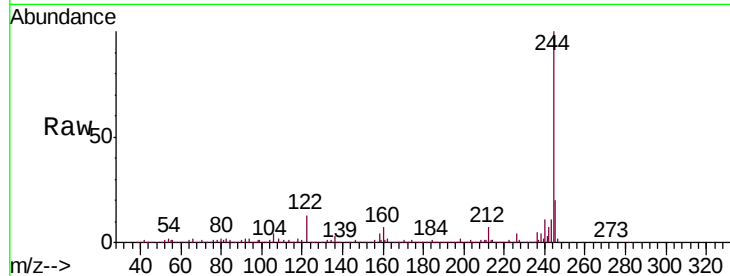




#78
 Terphenyl-d14
 Concen: 44.470 ng
 RT: 12.82 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: BF108830.D
 Acq: 6 Sep 2018 18:25

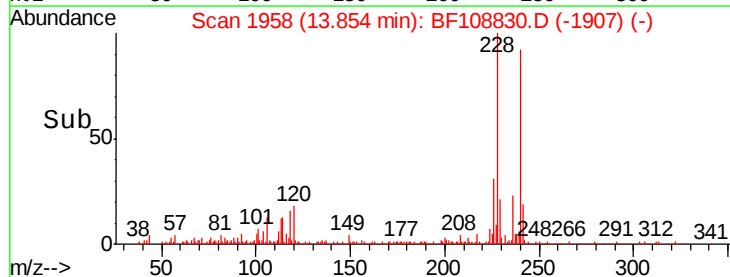
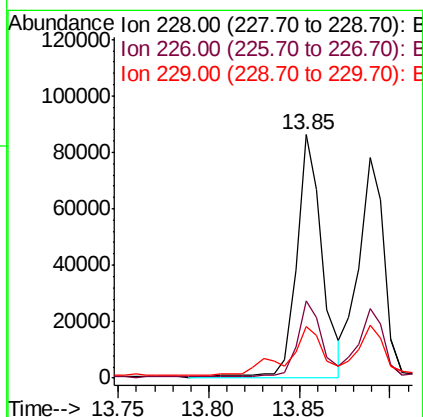
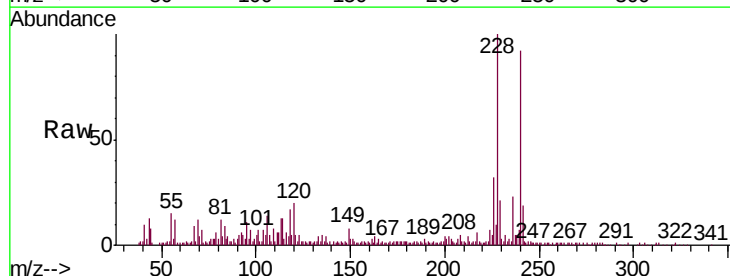
Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q2-E7

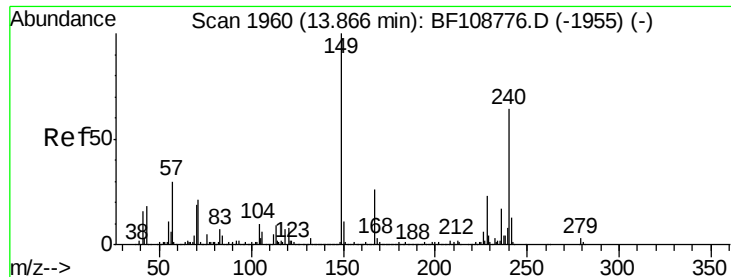
Tgt Ion:244 Resp: 1200560
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.4 8.0
 122 12.6 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 2.094 ng
 RT: 13.85 min Scan# 1958
 Delta R.T. -0.00 min
 Lab File: BF108830.D
 Acq: 6 Sep 2018 18:25

Tgt Ion:228 Resp: 84490
 Ion Ratio Lower Upper
 228 100
 226 31.6 22.6 33.8
 229 21.3 15.8 23.6

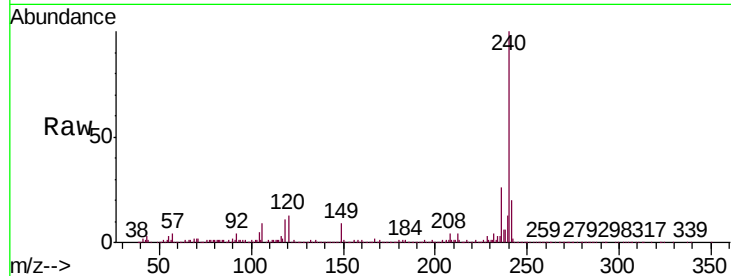




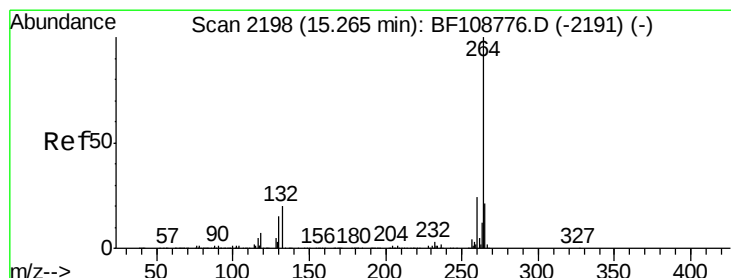
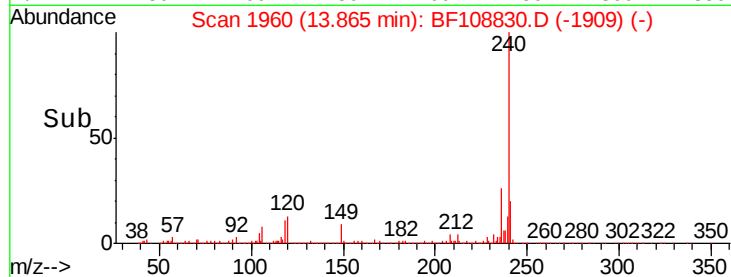
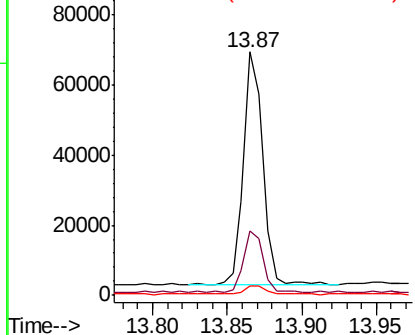
#83
Bis(2-ethylhexyl)phthalate
Concen: 2.206 ng
RT: 13.87 min Scan# 1960
Delta R.T. -0.00 min
Lab File: BF108830.D
Acq: 6 Sep 2018 18:25

Instrument :
BNA_F
ClientSampleId :
EP1-Q2-E7

Tgt Ion:149 Resp: 60464
Ion Ratio Lower Upper
149 100
167 26.4 21.3 31.9
279 4.0 3.0 4.4

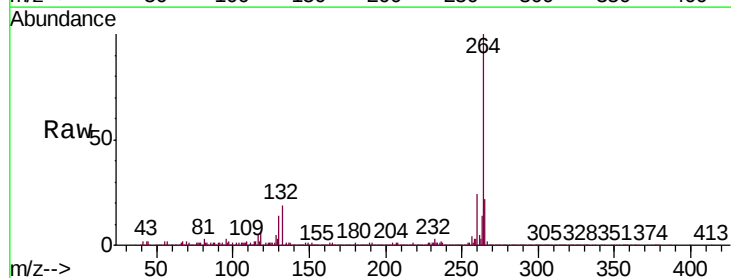


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

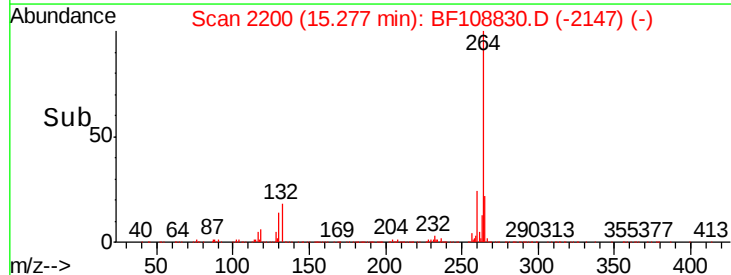
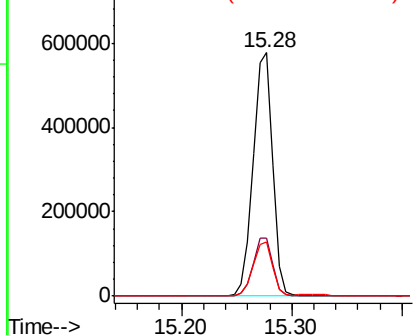


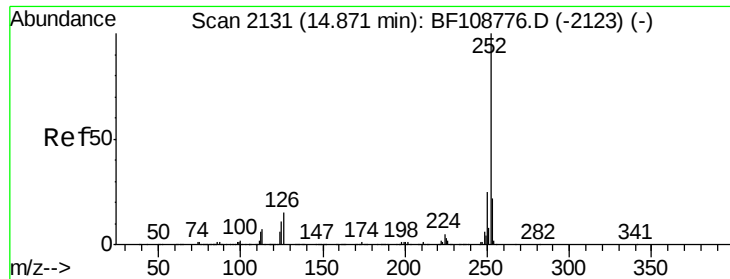
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF108830.D
Acq: 6 Sep 2018 18:25

Tgt Ion:264 Resp: 716267
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 22.1 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: 3.706 ng

RT: 14.87 min Scan# 2131

Delta R.T. -0.00 min

Lab File: BF108830.D

Acq: 6 Sep 2018 18:25

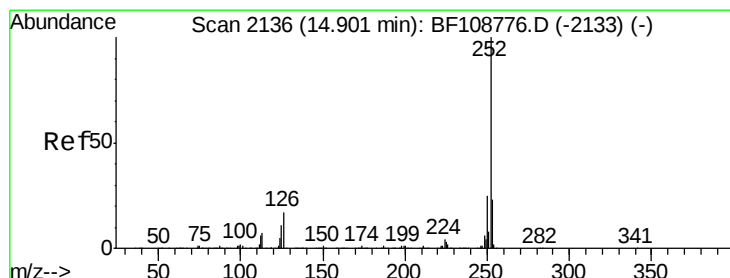
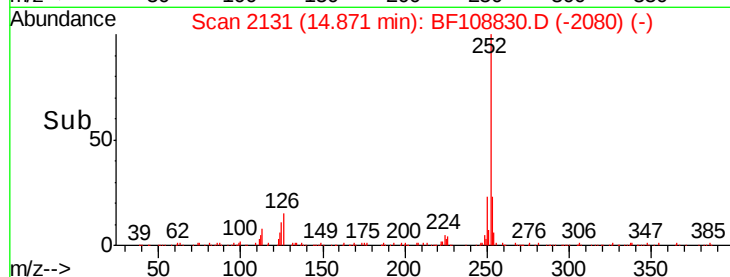
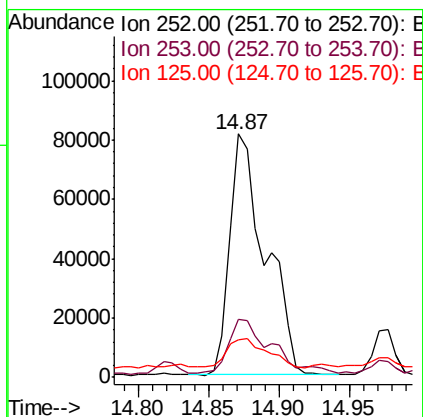
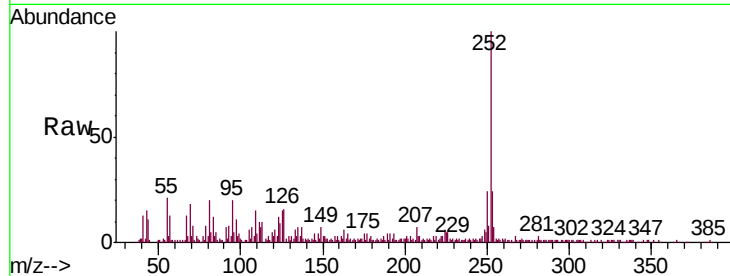
Instrument :

BNA_F

ClientSampleId :

EP1-Q2-E7

Tgt Ion:	252	Resp:	144344
Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.0	25.6
125	15.3	9.0	13.6#



#88

Benzo(k)fluoranthene

Concen: 4.024 ng

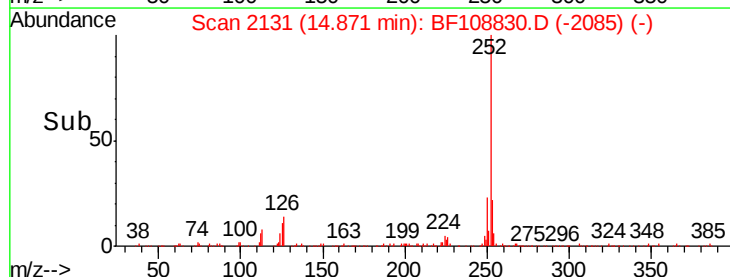
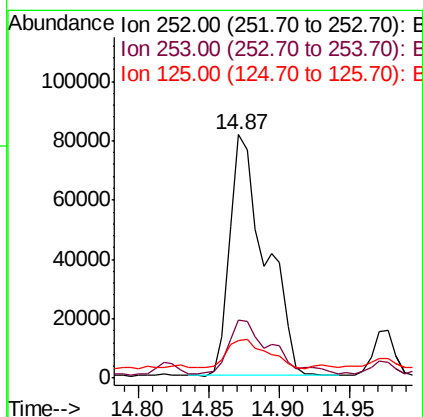
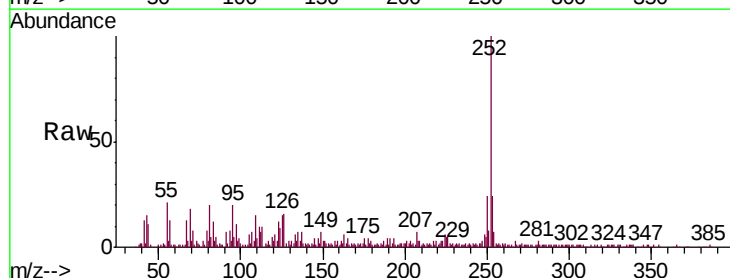
RT: 14.87 min Scan# 2131

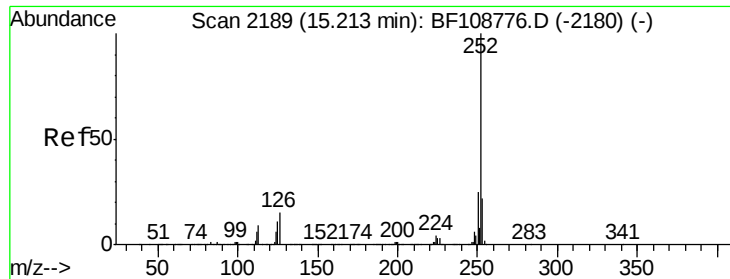
Delta R.T. -0.03 min

Lab File: BF108830.D

Acq: 6 Sep 2018 18:25

Tgt Ion:	252	Resp:	144344
Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	15.3	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 2.321 ng

RT: 15.21 min Scan# 2189

Delta R.T. -0.00 min

Lab File: BF108830.D

Acq: 6 Sep 2018 18:25

Instrument :

BNA_F

ClientSampleId :

EP1-Q2-E7

Tgt Ion: 252 Resp: 81560

Ion Ratio Lower Upper

252 100

253 23.9 17.1 25.7

125 16.7 9.8 14.6#

