

Data File : BF108868.D
Acq On : 7 Sep 2018 18:39
Operator : JU/SJ
Sample : J4825-18MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EP1-WS-COMP-18MSD

Quant Time: Sep 07 23:23:04 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	216333	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	778922	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	349191	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	546066	20.00	ng	0.00
75) Chrysene-d12	13.87	240	450703	20.00	ng	0.00
86) Perylene-d12	15.28	264	486901	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	1535770	117.61	ng	0.02
7) Phenol-d6	6.38	99	1959602	116.63	ng	0.01
23) Nitrobenzene-d5	7.30	82	1259214	101.17	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	391628	117.48	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	2044371	99.88	ng	0.00
78) Terphenyl-d14	12.83	244	1460206	75.55	ng	0.00

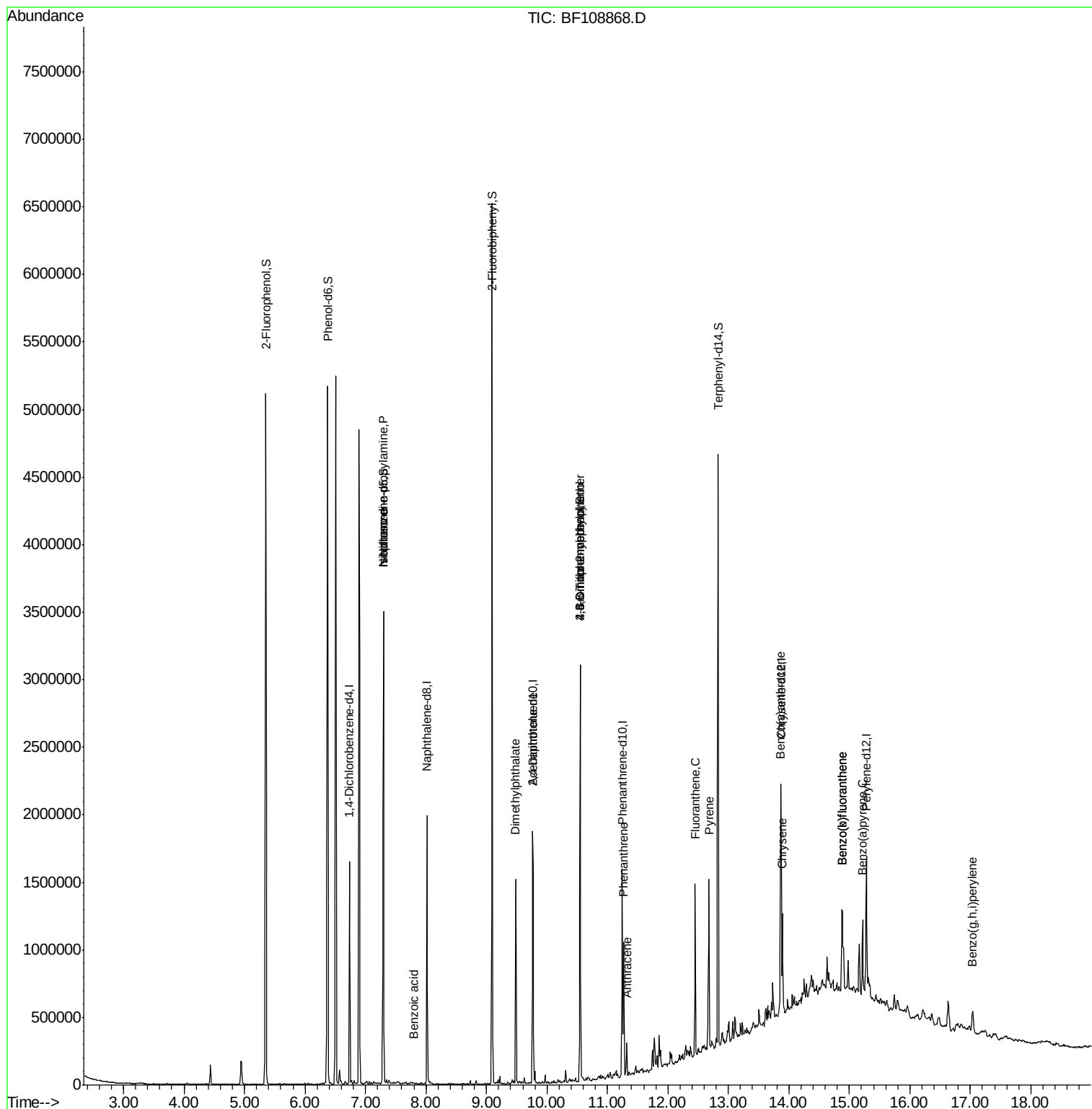
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.30	70	174253	14.920	ng	# 77
25) Isophorone	7.30	82	1254108	50.514	ng	# 64
32) Benzoic acid	7.80	122	249	4.054	ng	# 87
49) Dimethylphthalate	9.49	163	606783	24.844	ng	99
56) 2,4-Dinitrotoluene	9.77	165	45312	7.613	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.55	198	916	7.234	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	24932	4.042	ng	# 1
70) Phenanthrene	11.27	178	336143	12.890	ng	99
71) Anthracene	11.32	178	80683	3.232	ng	97
74) Fluoranthene	12.45	202	487689	18.889	ng	99
77) Pyrene	12.68	202	476441	13.738	ng	99
80) Benzo(a)anthracene	13.86	228	284420	9.845	ng	98
82) Chrysene	13.89	228	249896	8.936	ng	96
87) Benzo(b)fluoranthene	14.88	252	452623	17.096	ng	# 95
88) Benzo(k)fluoranthene	14.88	252	452623	18.564	ng	98
89) Benzo(a)pyrene	15.22	252	243955	10.212	ng	# 96
91) Benzo(g,h,i)perylene	17.04	276	122495	5.812	ng	96

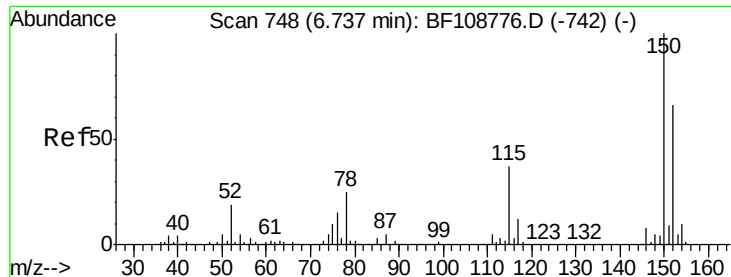
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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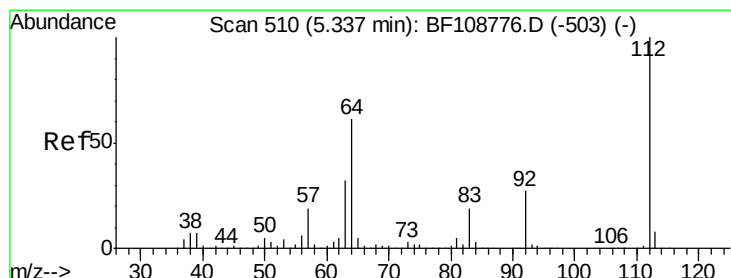
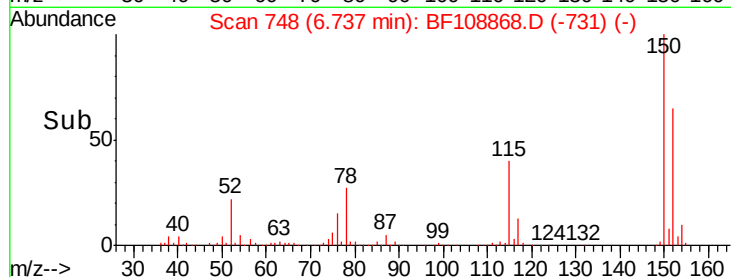
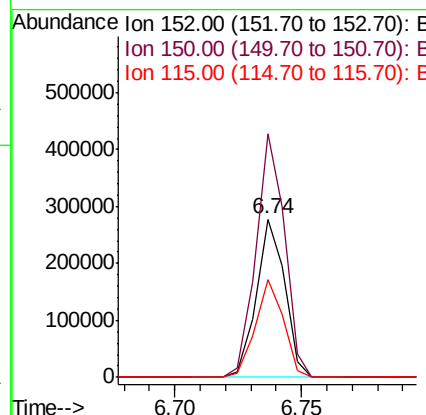
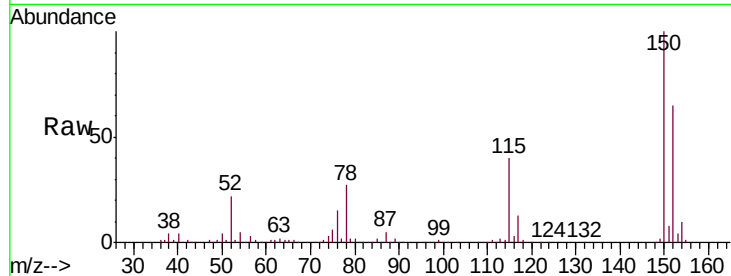




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.74 min Scan# 748
 Delta R.T. -0.00 min
 Lab File: BF108868.D
 Acq: 7 Sep 2018 18:39

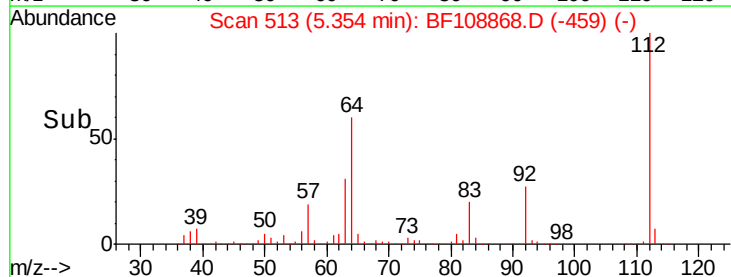
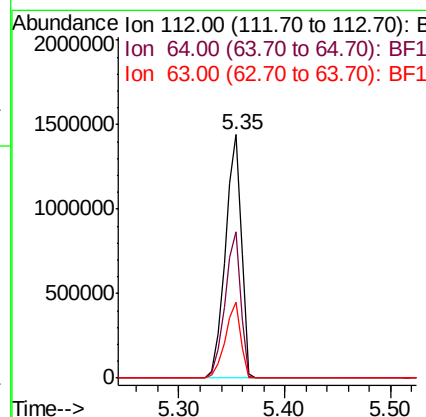
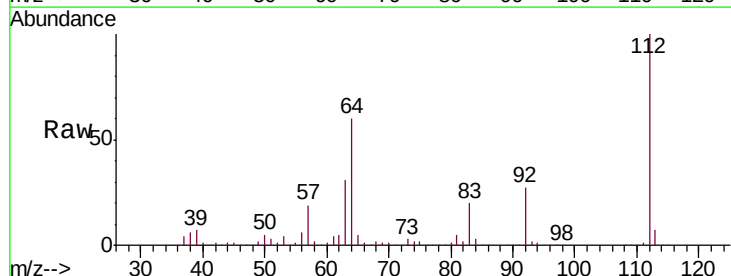
Instrument :
 BNA_F
 ClientSampleId :
 EP1-WS-COMP-18MSD

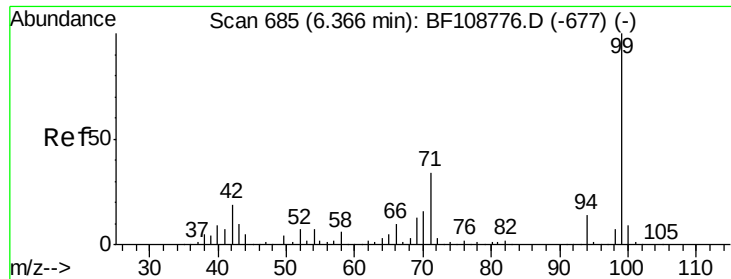
Tgt Ion:152 Resp: 216333
 Ion Ratio Lower Upper
 152 100
 150 153.8 124.6 186.8
 115 62.1 50.1 75.1



#5
 2-Fluorophenol
 Concen: 117.608 ng
 RT: 5.35 min Scan# 513
 Delta R.T. 0.02 min
 Lab File: BF108868.D
 Acq: 7 Sep 2018 18:39

Tgt Ion:112 Resp: 1535770
 Ion Ratio Lower Upper
 112 100
 64 60.1 47.9 71.9
 63 31.4 23.7 35.5





#7

Phenol-d6

Concen: 116.632 ng

RT: 6.38 min Scan# 687

Delta R.T. 0.01 min

Lab File: BF108868.D

Acq: 7 Sep 2018 18:39

Instrument :

BNA_F

ClientSampleId :

EP1-WS-COMP-18MSD

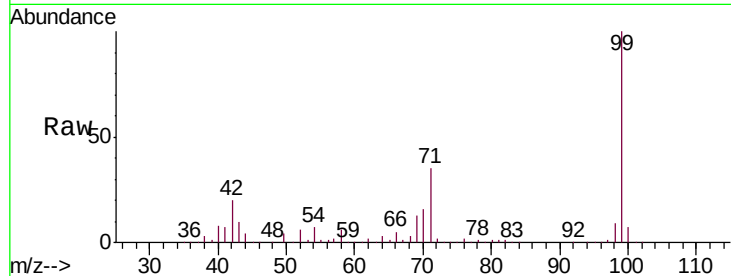
Tgt Ion: 99 Resp: 1959602

Ion Ratio Lower Upper

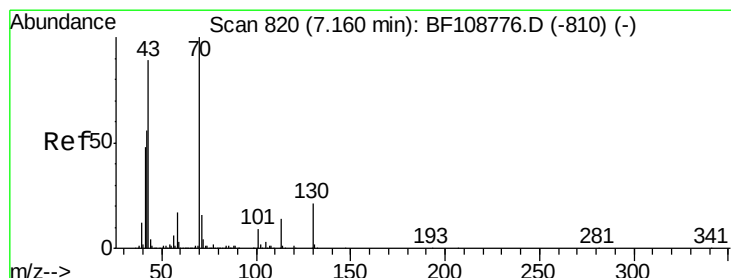
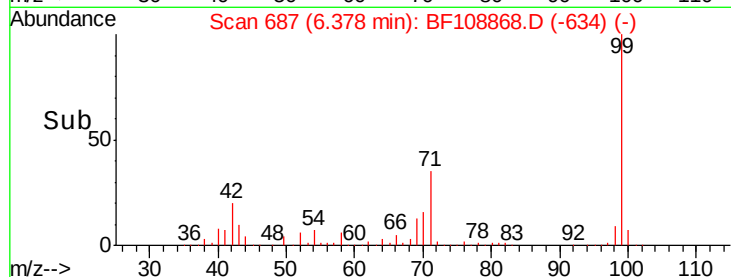
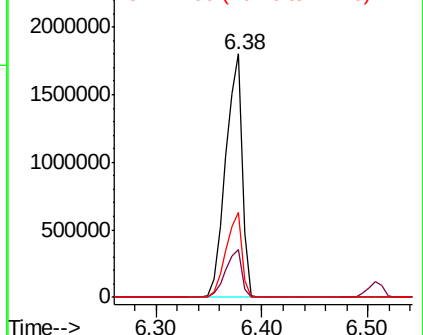
99 100

42 19.6 14.5 21.7

71 34.6 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: 14.920 ng

RT: 7.30 min Scan# 844

Delta R.T. 0.14 min

Lab File: BF108868.D

Acq: 7 Sep 2018 18:39

Tgt Ion: 70 Resp: 174253

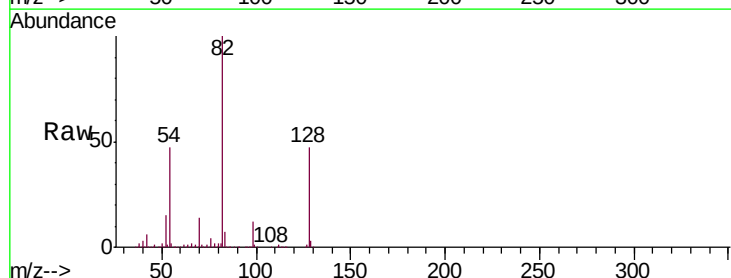
Ion Ratio Lower Upper

70 100

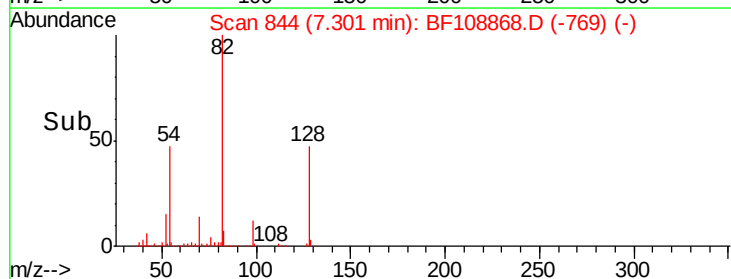
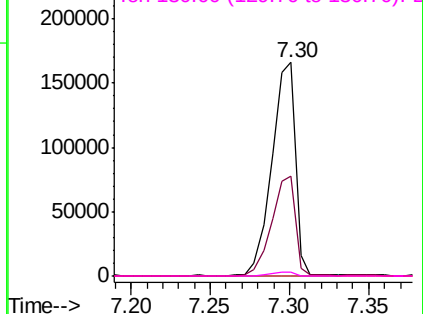
42 46.7 47.5 71.3#

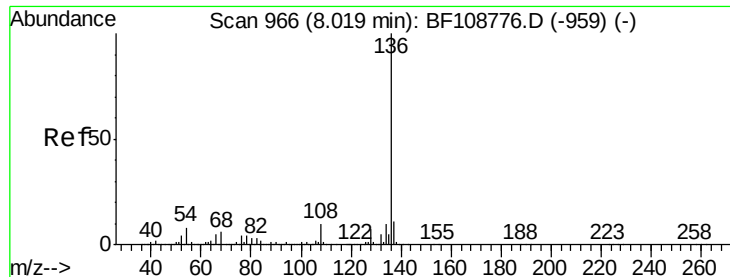
101 0.0 7.4 11.2#

130 1.9 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

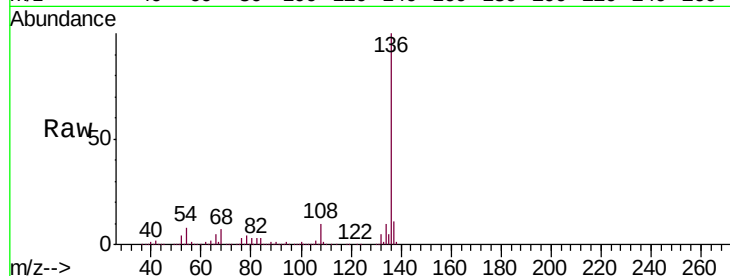




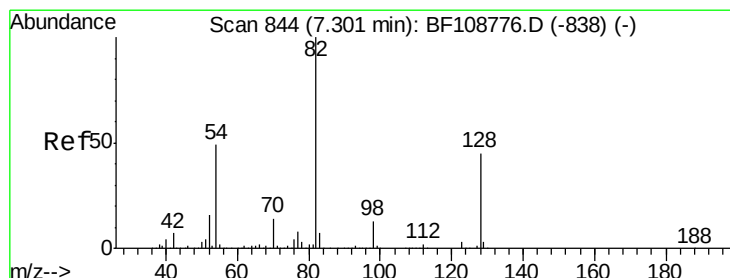
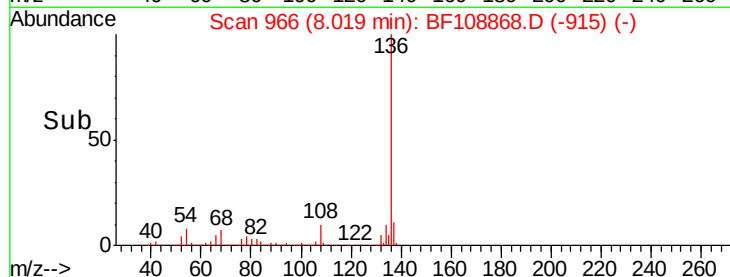
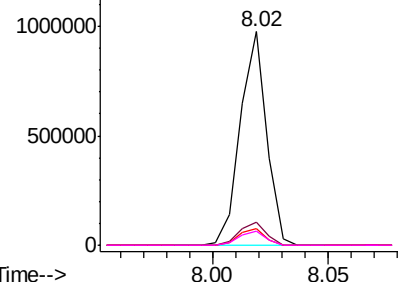
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 966
Delta R.T. -0.00 min
Lab File: BF108868.D
Acq: 7 Sep 2018 18:39

Instrument :
BNA_F
ClientSampleId :
EP1-WS-COMP-18MSD

Tgt Ion:	136	Resp:	778922
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.7	6.6	9.8
68	6.7	5.0	7.4

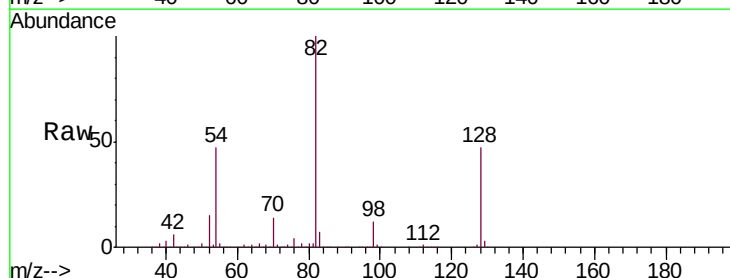


Abundance Ion 136.00 (135.70 to 136.70): E
1500000 Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

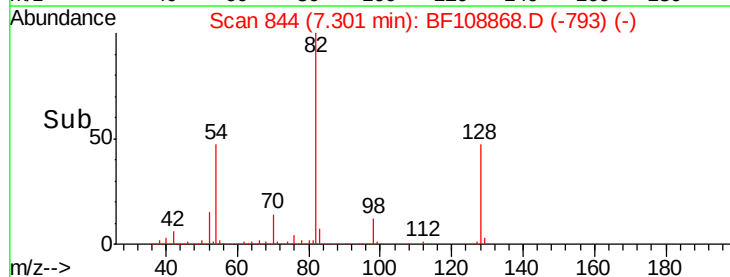
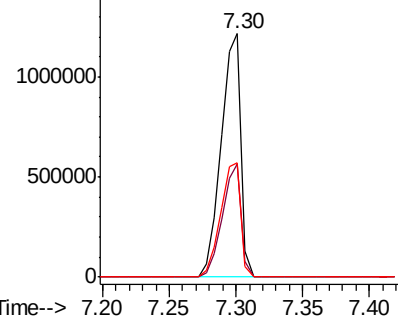


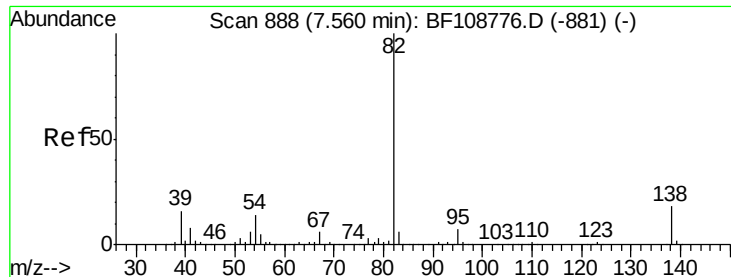
#23
Nitrobenzene-d5
Concen: 101.169 ng
RT: 7.30 min Scan# 844
Delta R.T. -0.00 min
Lab File: BF108868.D
Acq: 7 Sep 2018 18:39

Tgt Ion:	82	Resp:	1259214
Ion	Ratio	Lower	Upper
82	100		
128	46.6	36.1	54.1
54	46.8	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: 50.514 ng

RT: 7.30 min Scan# 844

Delta R.T. -0.26 min

Lab File: BF108868.D

Acq: 7 Sep 2018 18:39

Instrument :

BNA_F

ClientSampleId :

EP1-WS-COMP-18MSD

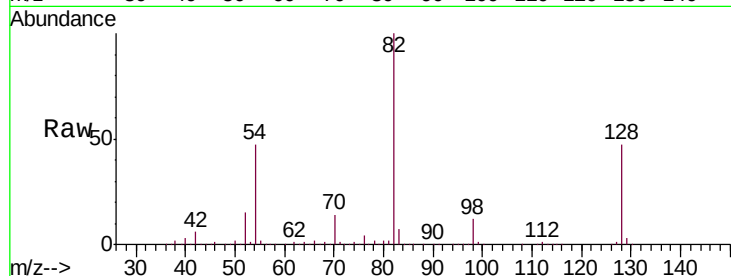
Tgt Ion: 82 Resp: 1254108

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

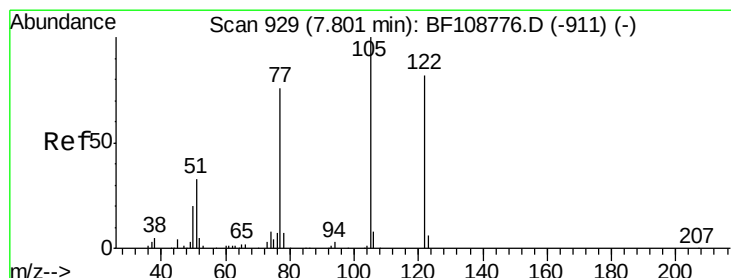
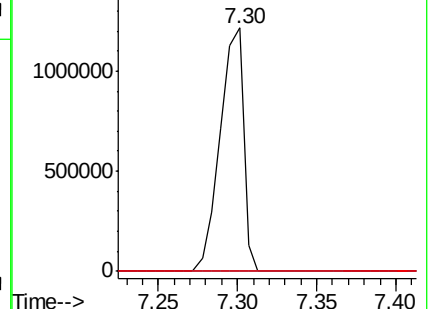
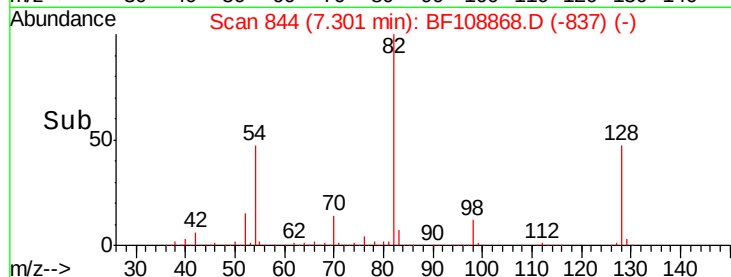
138 0.0 14.9 22.3#



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: 4.054 ng

RT: 7.80 min Scan# 929

Delta R.T. 0.00 min

Lab File: BF108868.D

Acq: 7 Sep 2018 18:39

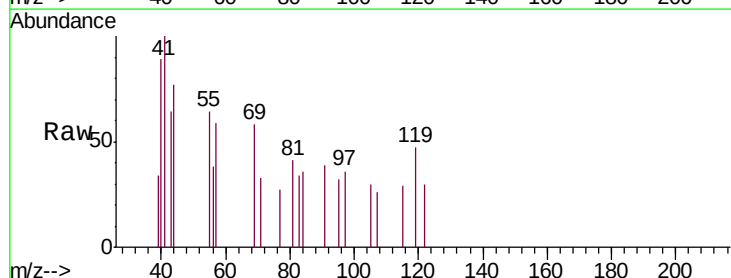
Tgt Ion: 122 Resp: 249

Ion Ratio Lower Upper

122 100

105 98.1 101.1 141.1#

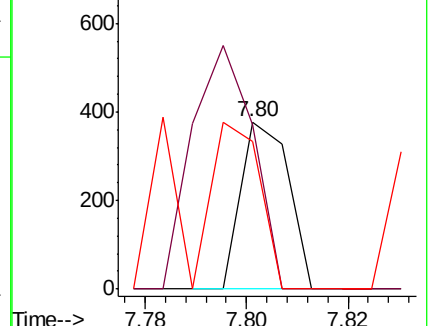
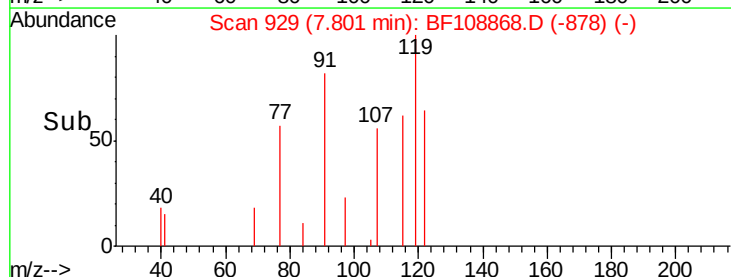
77 88.6 70.7 110.7

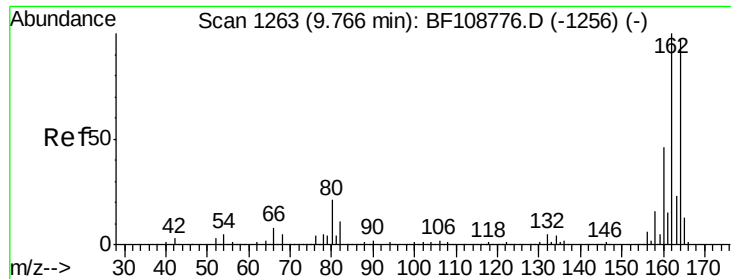


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

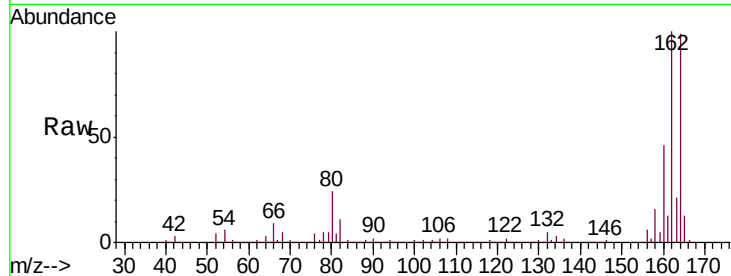




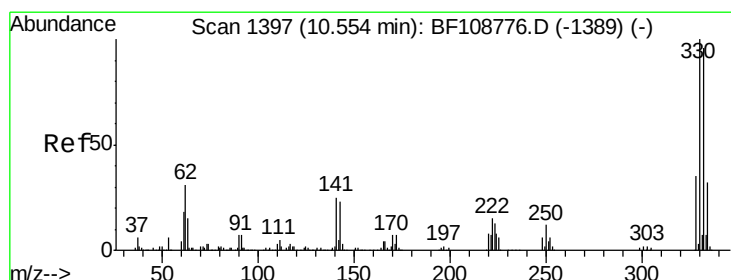
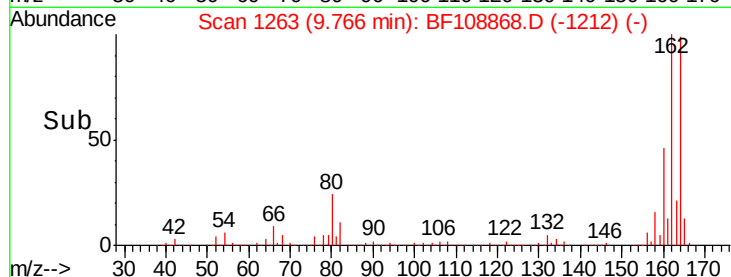
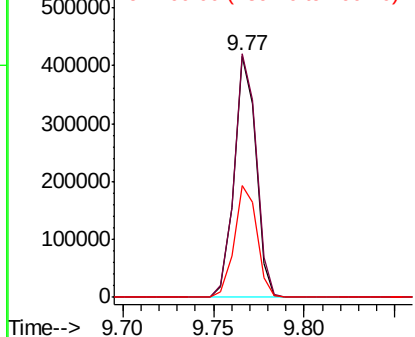
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1263
 Delta R.T. -0.00 min
 Lab File: BF108868.D
 Acq: 7 Sep 2018 18:39

Instrument :
 BNA_F
 ClientSampleId :
 EP1-WS-COMP-18MSD

Tgt Ion:164 Resp: 349191
 Ion Ratio Lower Upper
 164 100
 162 100.9 86.1 129.1
 160 46.5 38.3 57.5

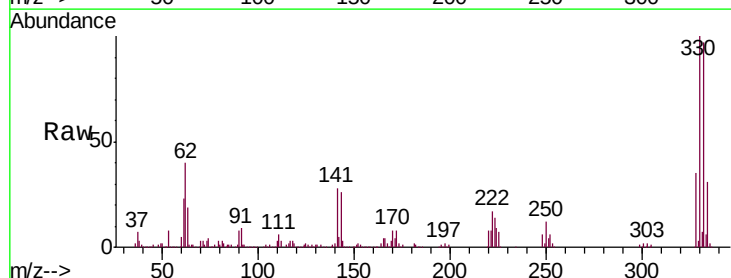


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

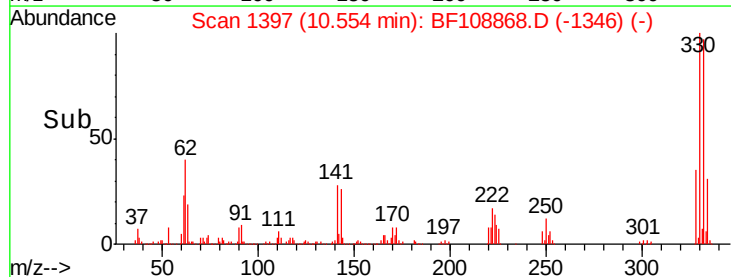
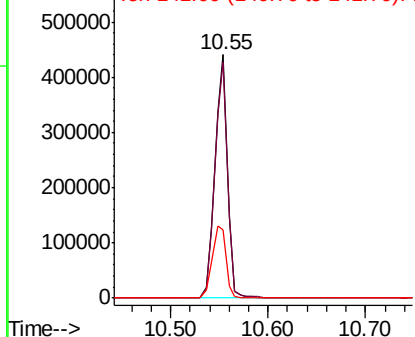


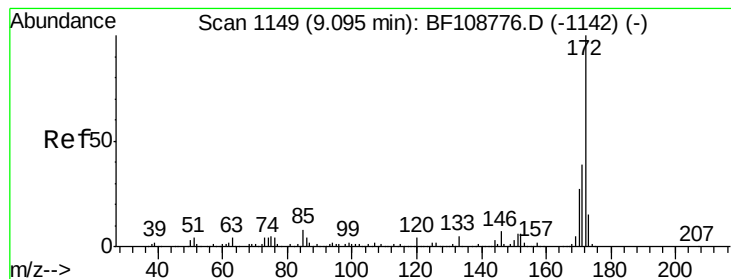
#41
 2,4,6-Tribromophenol
 Concen: 117.481 ng
 RT: 10.55 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: BF108868.D
 Acq: 7 Sep 2018 18:39

Tgt Ion:330 Resp: 391628
 Ion Ratio Lower Upper
 330 100
 332 97.8 77.0 115.6
 141 33.2 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

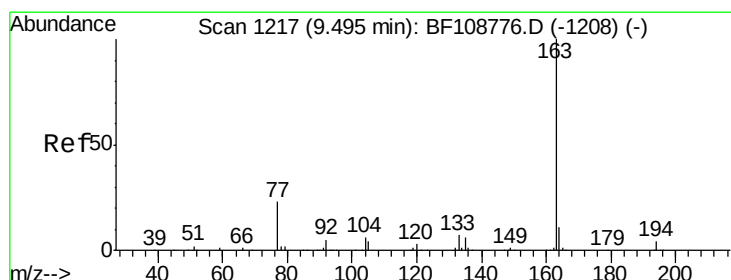
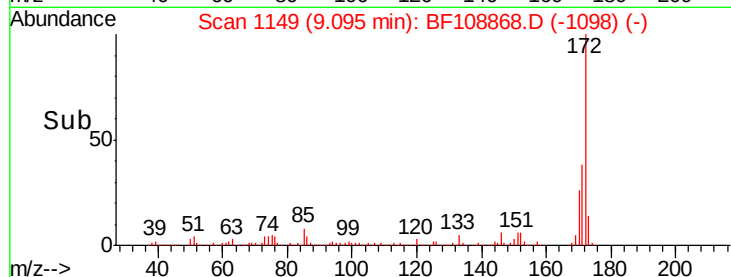
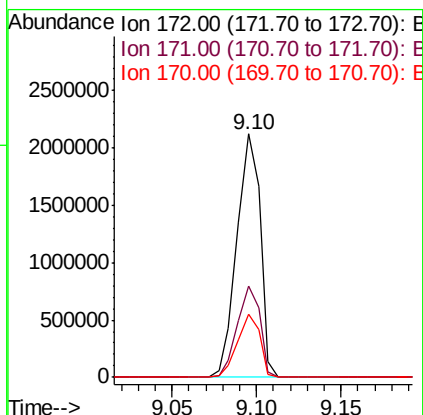
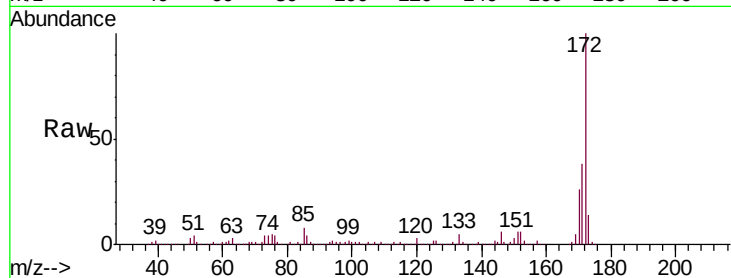




#44
2-Fluorobiphenyl
Concen: 99.878 ng
RT: 9.10 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BF108868.D
Acq: 7 Sep 2018 18:39

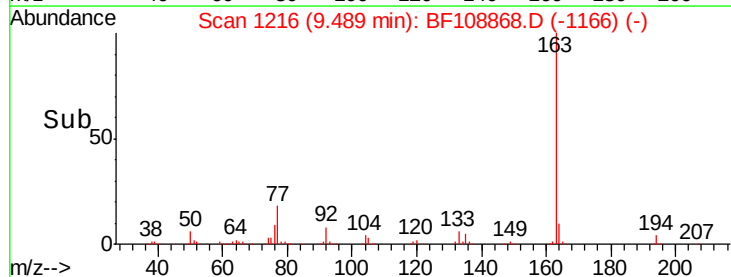
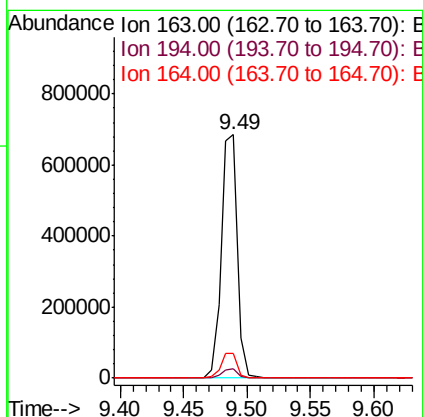
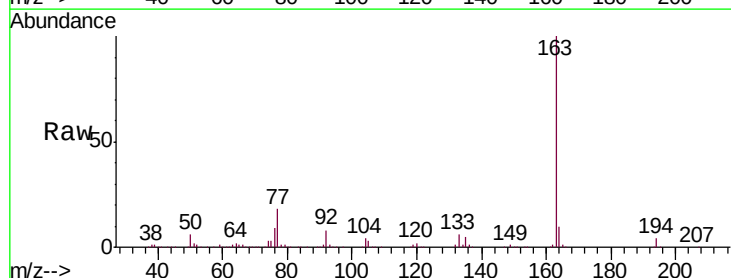
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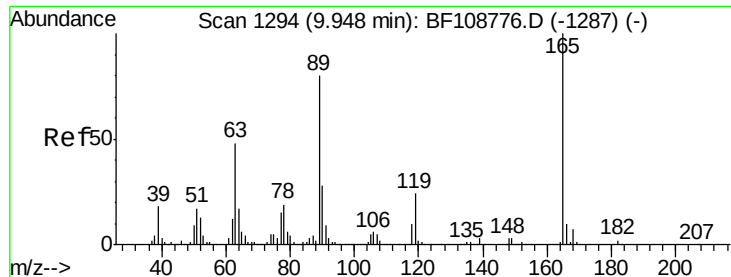
Tgt Ion:172 Resp: 2044371
Ion Ratio Lower Upper
172 100
171 37.7 29.7 44.5
170 25.9 19.6 29.4



#49
Dimethylphthalate
Concen: 24.844 ng
RT: 9.49 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF108868.D
Acq: 7 Sep 2018 18:39

Tgt Ion:163 Resp: 606783
Ion Ratio Lower Upper
163 100
194 4.0 2.7 4.1
164 10.1 8.2 12.2

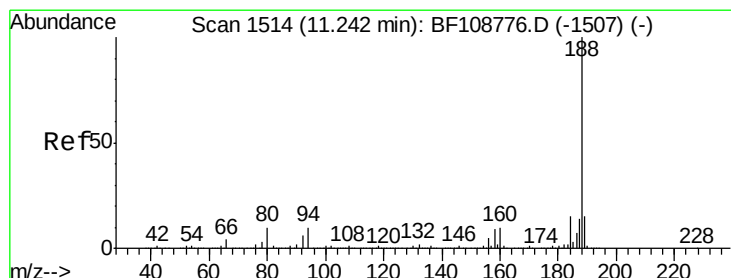
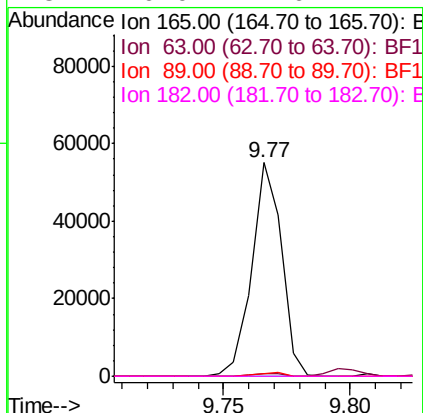
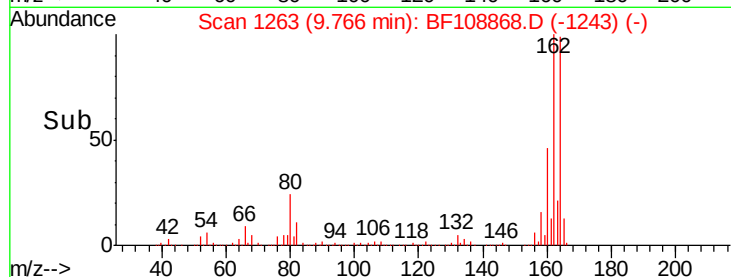
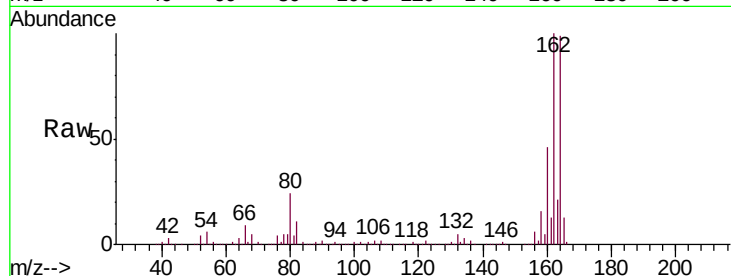




#56
 2,4-Dinitrotoluene
 Concen: 7.613 ng
 RT: 9.77 min Scan# 1263
 Delta R.T. -0.18 min
 Lab File: BF108868.D
 Acq: 7 Sep 2018 18:39

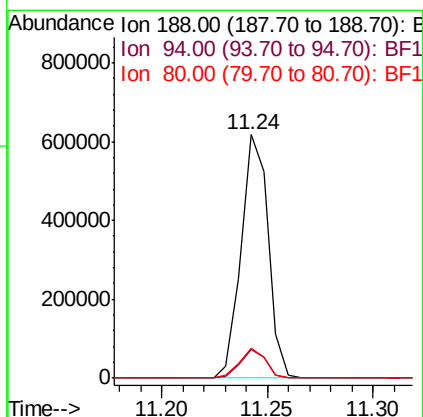
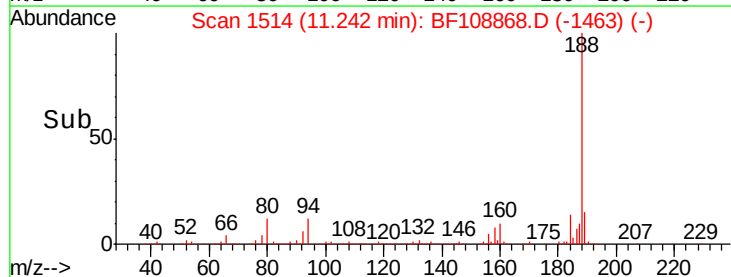
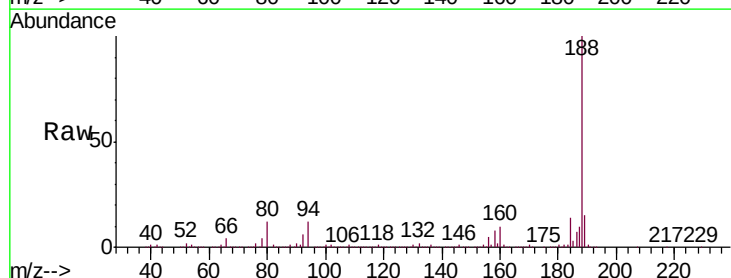
Instrument :
 BNA_F
 ClientSampleId :
 EP1-WS-COMP-18MSD

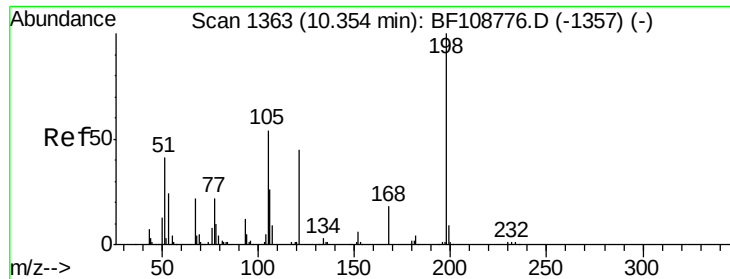
Tgt Ion:	165	Resp:	45312
Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.1	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: BF108868.D
 Acq: 7 Sep 2018 18:39

Tgt Ion:	188	Resp:	546066
Ion	Ratio	Lower	Upper
188	100		
94	11.6	8.5	12.7
80	12.3	9.2	13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 7.234 ng

RT: 10.55 min Scan# 1396

Delta R.T. 0.19 min

Lab File: BF108868.D

Acq: 7 Sep 2018 18:39

Instrument :

BNA_F

ClientSampleId :

EP1-WS-COMP-18MSD

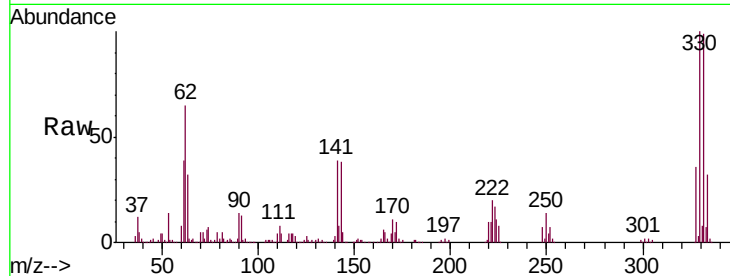
Tgt Ion:198 Resp: 916

Ion Ratio Lower Upper

198 100

51 177.2 37.7 77.7#

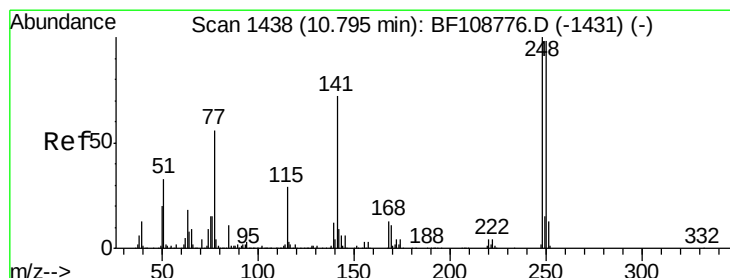
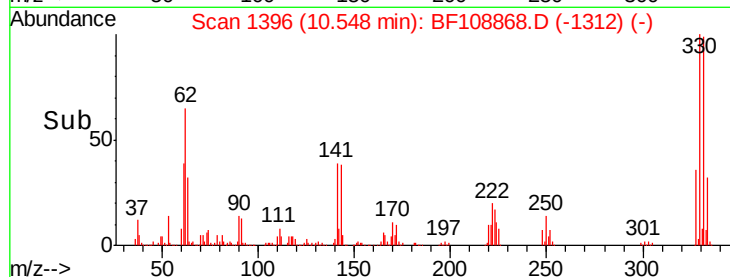
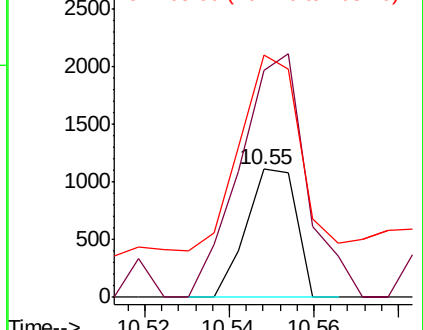
105 189.3 36.3 76.3#



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: 4.042 ng

RT: 10.55 min Scan# 1397

Delta R.T. -0.24 min

Lab File: BF108868.D

Acq: 7 Sep 2018 18:39

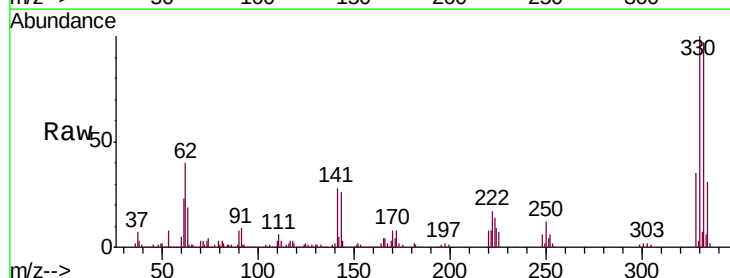
Tgt Ion:248 Resp: 24932

Ion Ratio Lower Upper

248 100

250 199.9 76.9 115.3#

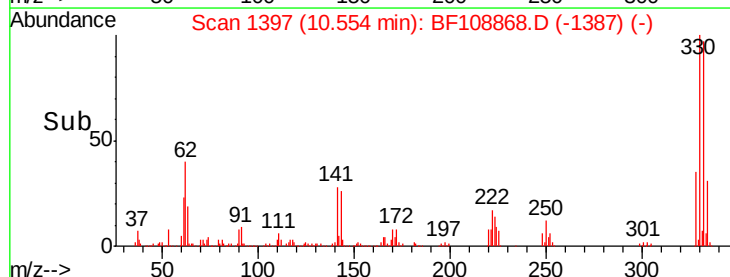
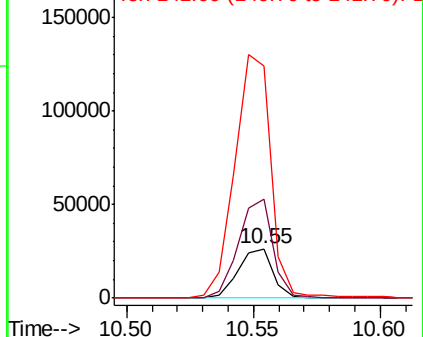
141 470.2 74.4 111.6#

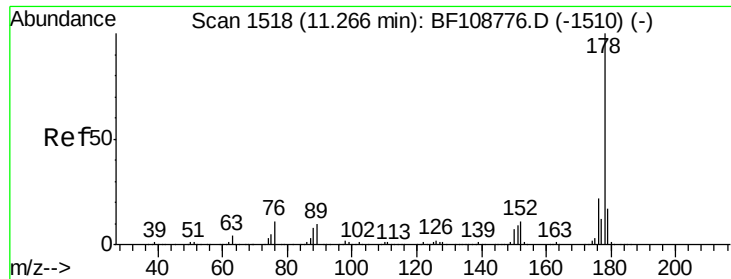


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

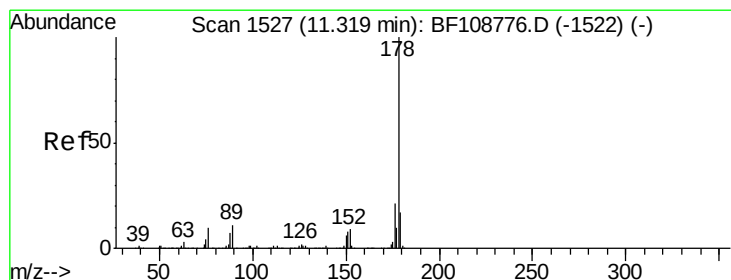
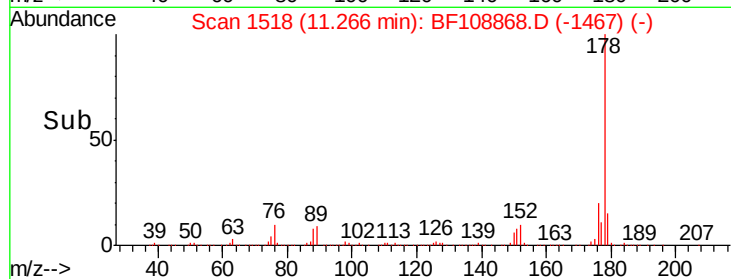
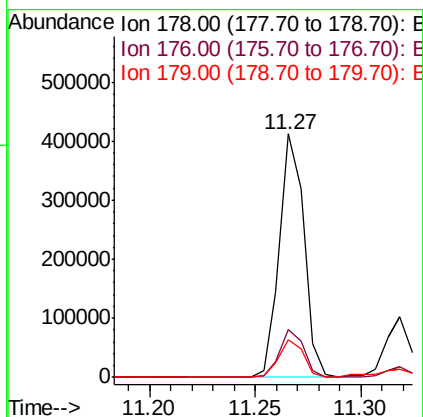
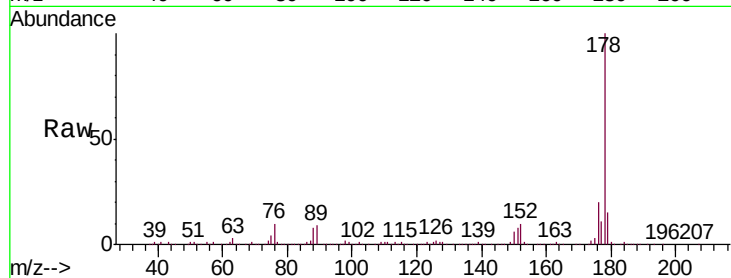




#70
Phenanthrene
Concen: 12.890 ng
RT: 11.27 min Scan# 1518
Delta R.T. -0.00 min
Lab File: BF108868.D
Acq: 7 Sep 2018 18:39

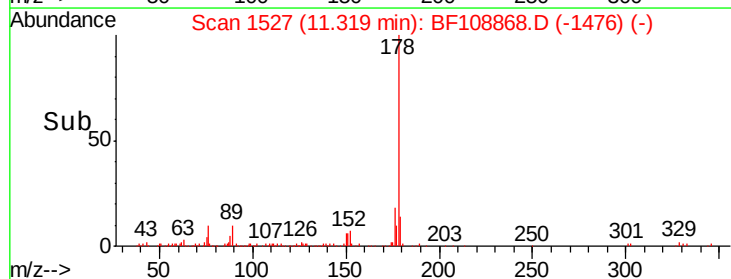
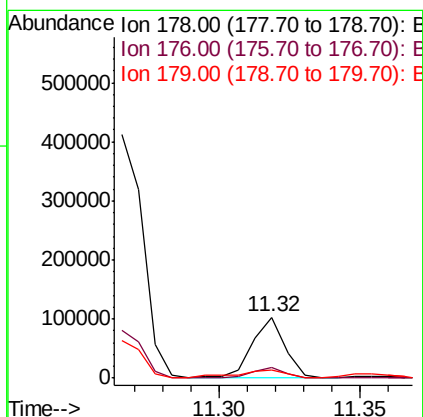
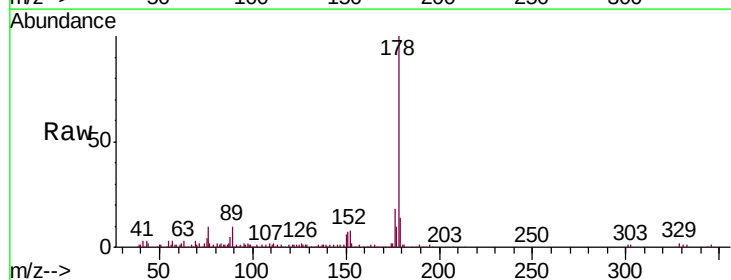
Instrument :
BNA_F
ClientSampleId :
EP1-WS-COMP-18MSD

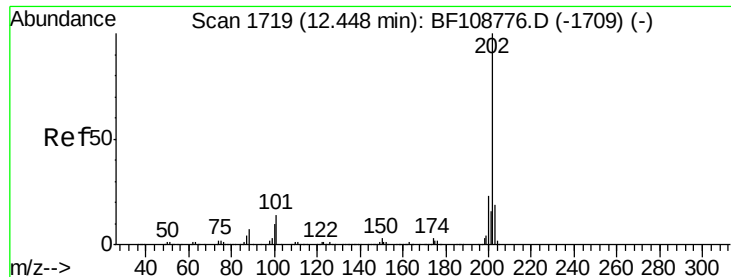
Tgt Ion:178 Resp: 336143
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.8
179 15.4 13.0 19.6



#71
Anthracene
Concen: 3.232 ng
RT: 11.32 min Scan# 1527
Delta R.T. -0.00 min
Lab File: BF108868.D
Acq: 7 Sep 2018 18:39

Tgt Ion:178 Resp: 80683
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.2
179 14.2 12.6 19.0





#74

Fluoranthene

Concen: 18.889 ng

RT: 12.45 min Scan# 1719

Delta R.T. -0.00 min

Lab File: BF108868.D

Acq: 7 Sep 2018 18:39

Instrument :

BNA_F

ClientSampleId :

EP1-WS-COMP-18MSD

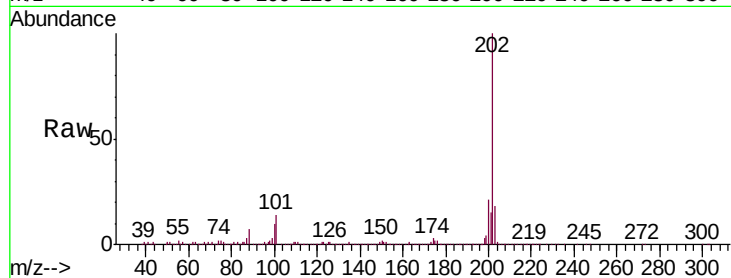
Tgt Ion:202 Resp: 487689

Ion Ratio Lower Upper

202 100

101 13.5 0.0 34.1

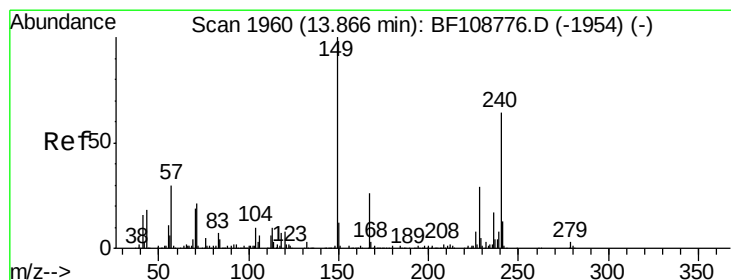
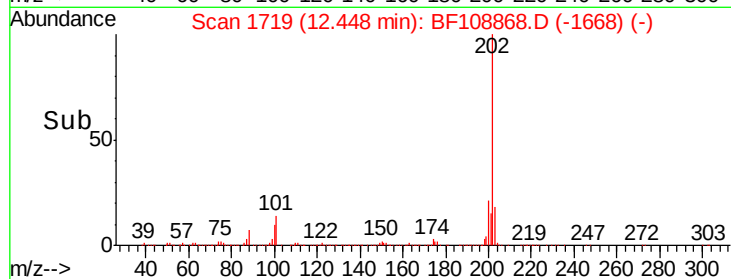
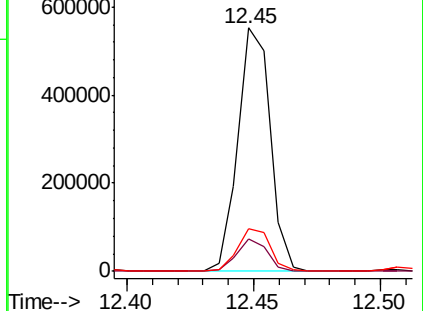
203 17.7 0.0 38.1



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: BF108868.D

Acq: 7 Sep 2018 18:39

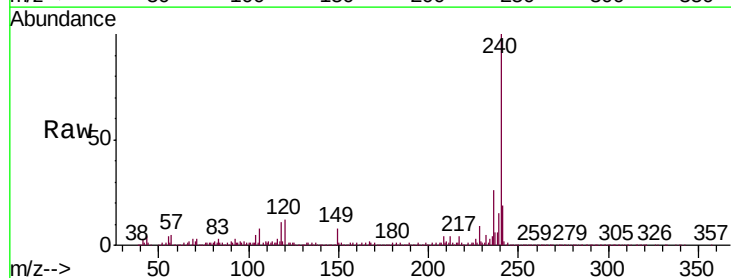
Tgt Ion:240 Resp: 450703

Ion Ratio Lower Upper

240 100

120 12.3 9.5 14.3

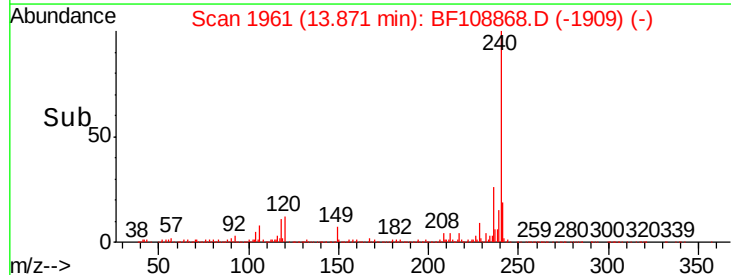
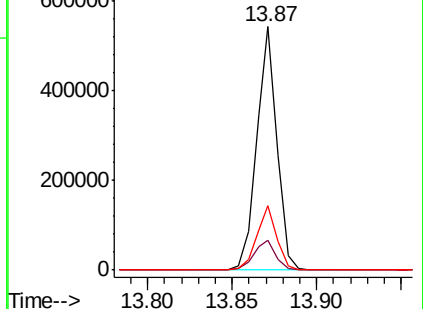
236 26.3 20.7 31.1

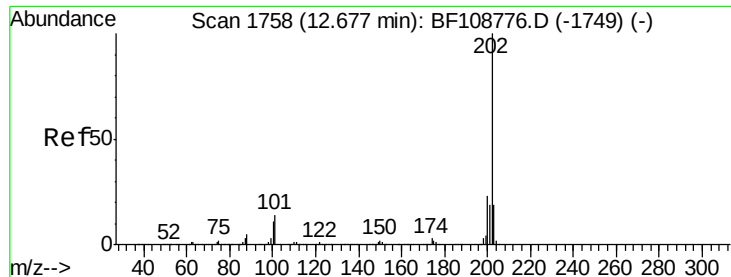


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 13.738 ng

RT: 12.68 min Scan# 1758

Delta R.T. -0.00 min

Lab File: BF108868.D

Acq: 7 Sep 2018 18:39

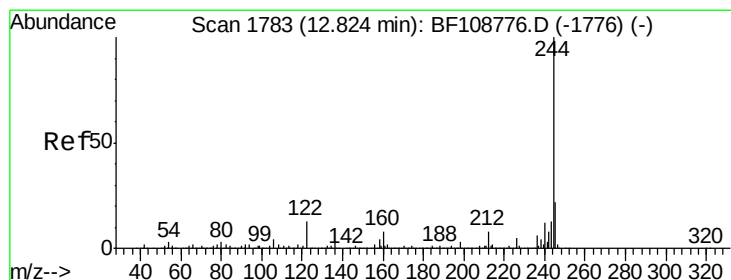
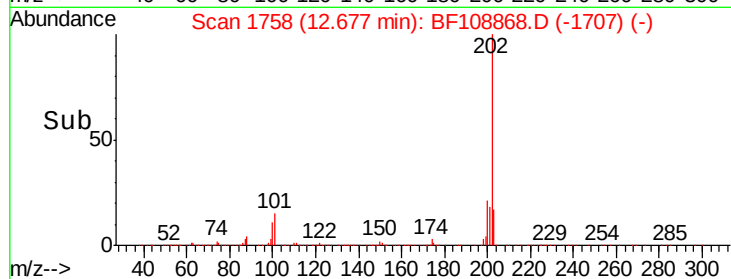
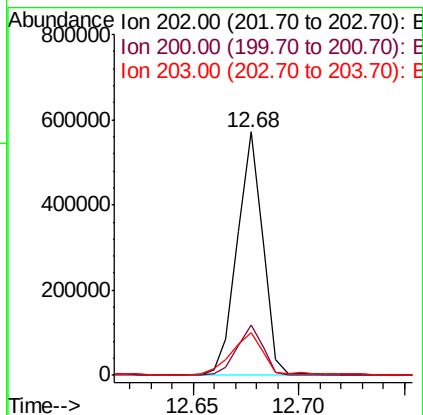
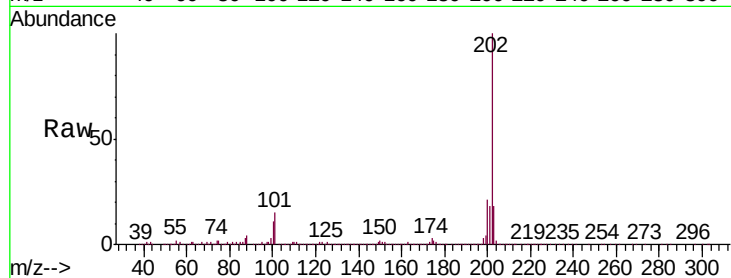
Instrument :

BNA_F

ClientSampleId :

EP1-WS-COMP-18MSD

Tgt Ion:	202	Resp:	476441
Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.4	26.2
203	17.7	14.3	21.5



#78

Terphenyl-d14

Concen: 75.550 ng

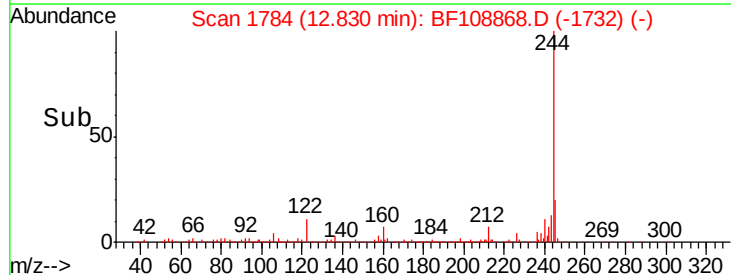
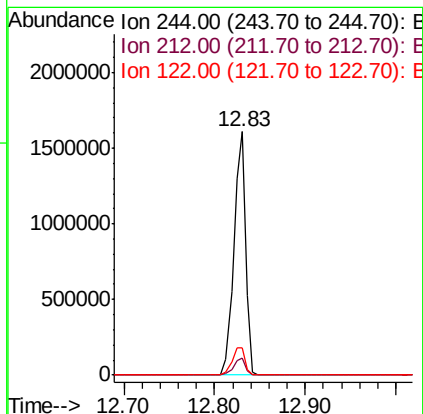
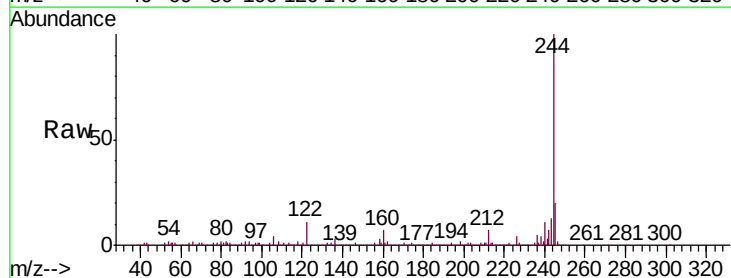
RT: 12.83 min Scan# 1784

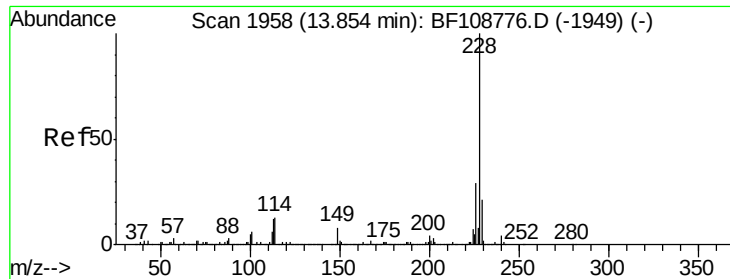
Delta R.T. 0.01 min

Lab File: BF108868.D

Acq: 7 Sep 2018 18:39

Tgt Ion:	244	Resp:	1460206
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	11.4	11.0	16.4





#80

Benzo(a)anthracene

Concen: 9.845 ng

RT: 13.86 min Scan# 1959

Delta R.T. 0.01 min

Lab File: BF108868.D

Acq: 7 Sep 2018 18:39

Instrument :

BNA_F

ClientSampleId :

EP1-WS-COMP-18MSD

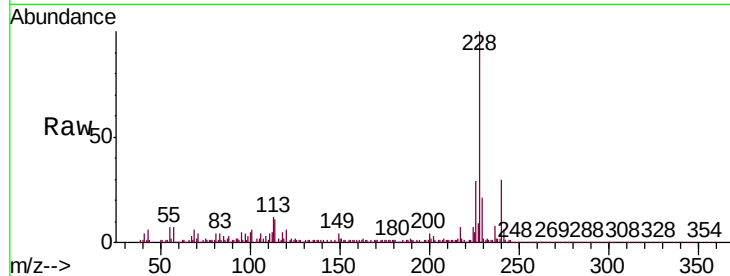
Tgt Ion:228 Resp: 284420

Ion Ratio Lower Upper

228 100

226 29.1 22.6 33.8

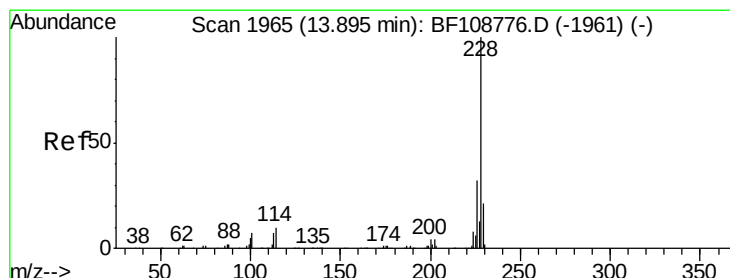
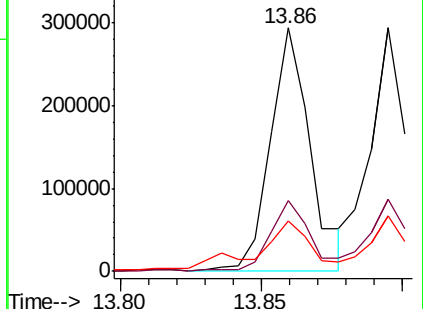
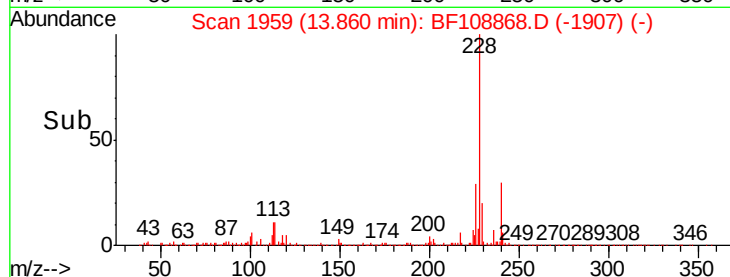
229 21.0 15.8 23.6



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: 8.936 ng

RT: 13.89 min Scan# 1965

Delta R.T. -0.00 min

Lab File: BF108868.D

Acq: 7 Sep 2018 18:39

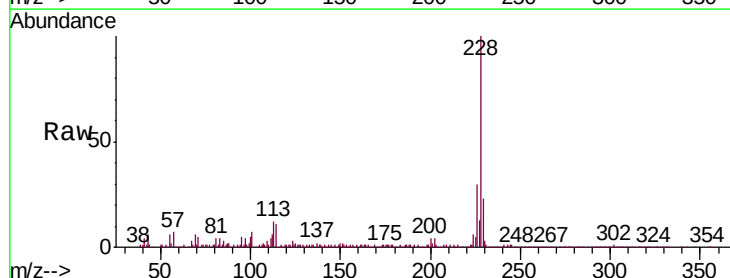
Tgt Ion:228 Resp: 249896

Ion Ratio Lower Upper

228 100

226 29.6 25.0 37.6

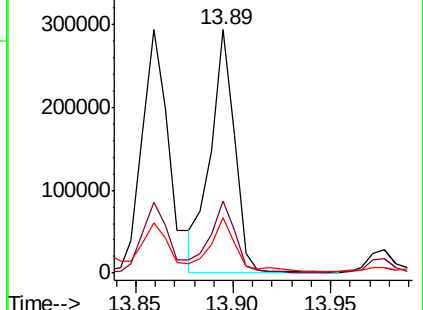
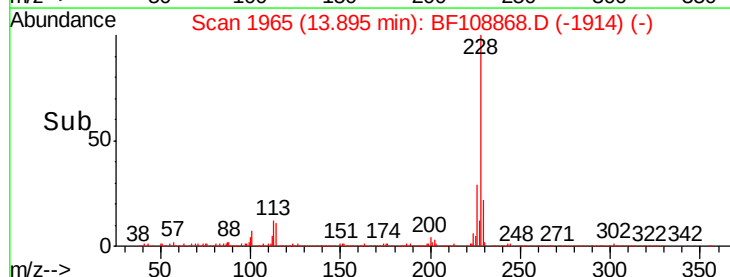
229 22.7 16.2 24.4

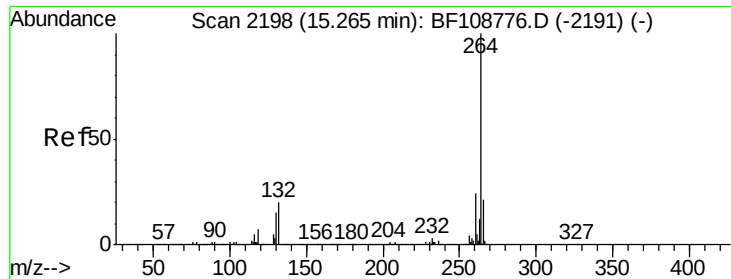


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



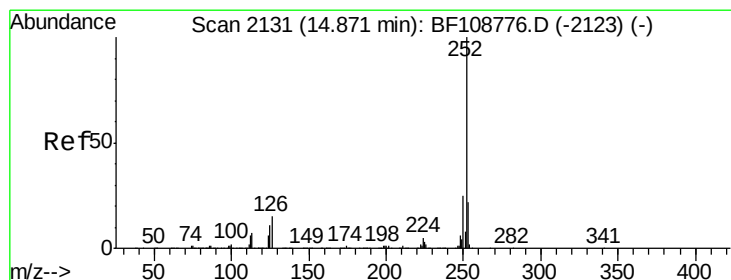
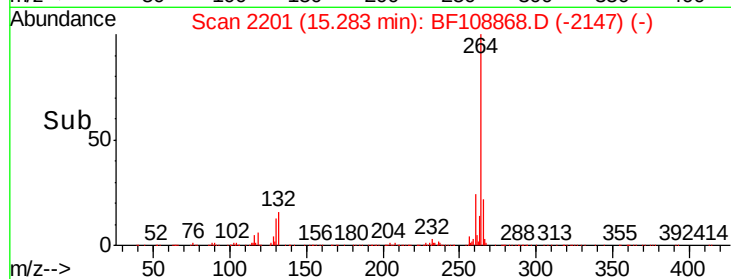
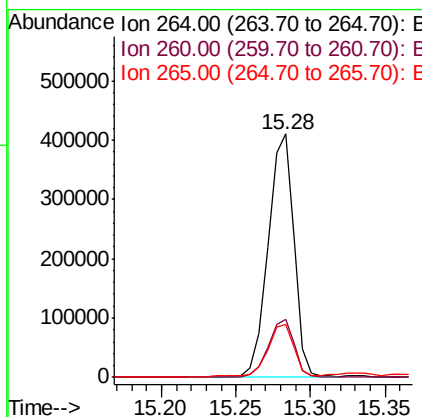
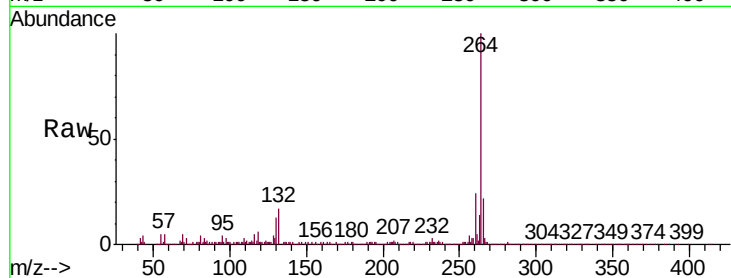


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2201
Delta R.T. 0.02 min
Lab File: BF108868.D
Acq: 7 Sep 2018 18:39

Instrument :
BNA_F
ClientSampleId :
EP1-WS-COMP-18MSD

Tgt Ion: 264 Resp: 486901

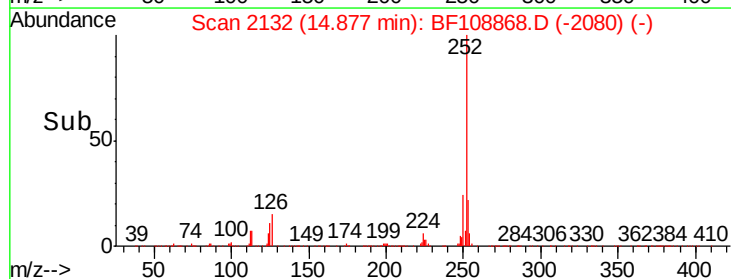
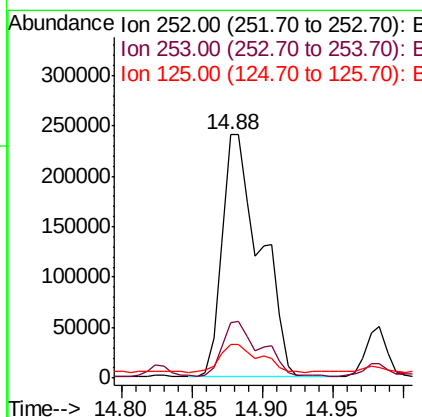
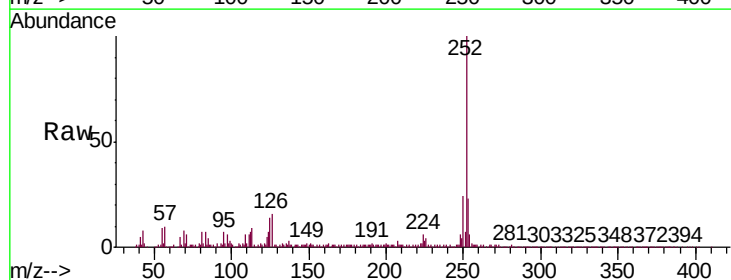
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.9	17.5	26.3

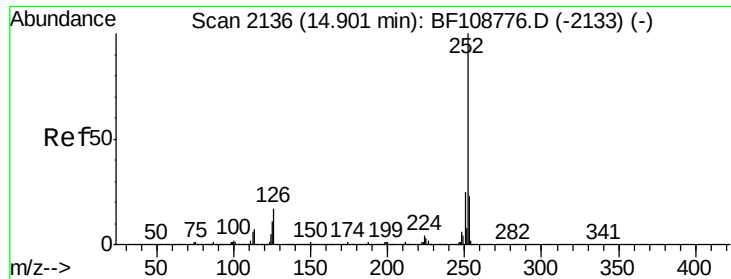


#87
Benzo(b)fluoranthene
Concen: 17.096 ng
RT: 14.88 min Scan# 2132
Delta R.T. 0.01 min
Lab File: BF108868.D
Acq: 7 Sep 2018 18:39

Tgt Ion: 252 Resp: 452623

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	13.8	9.0	13.6

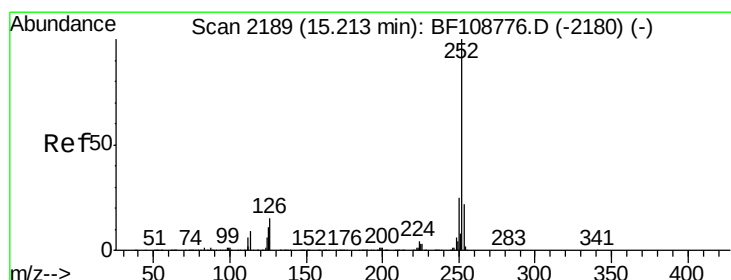
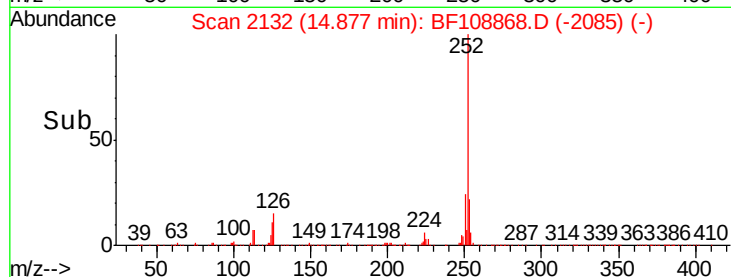
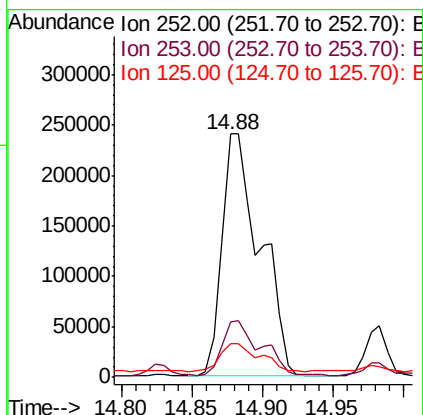
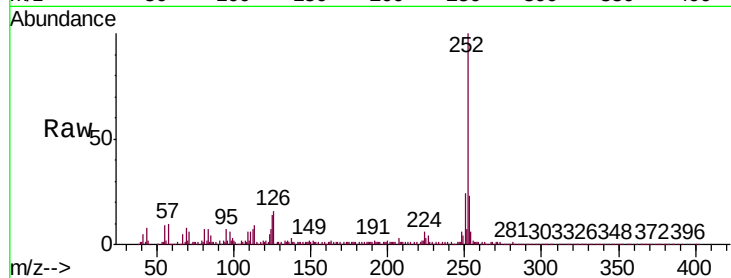




#88
Benzo(k)fluoranthene
Concen: 18.564 ng
RT: 14.88 min Scan# 2132
Delta R.T. -0.02 min
Lab File: BF108868.D
Acq: 7 Sep 2018 18:39

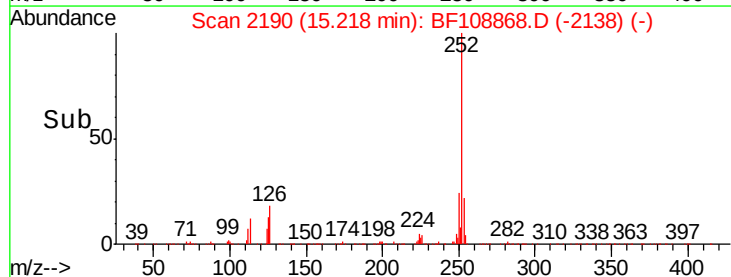
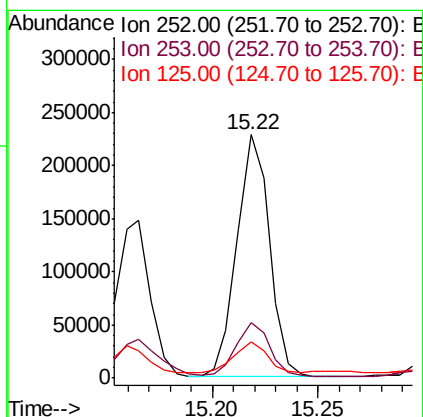
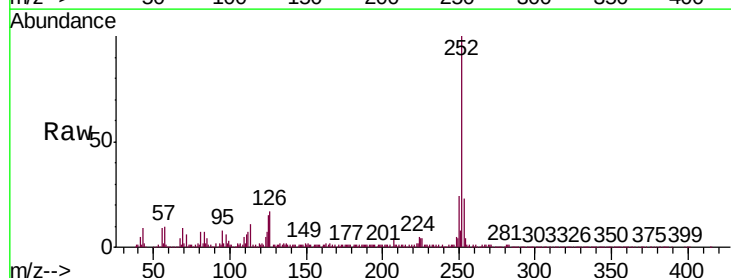
Instrument :
BNA_F
ClientSampleId :
EP1-WS-COMP-18MSD

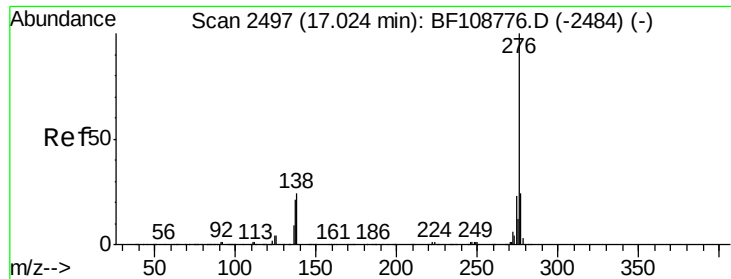
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	13.8	10.2	15.2



#89
Benzo(a)pyrene
Concen: 10.212 ng
RT: 15.22 min Scan# 2190
Delta R.T. 0.01 min
Lab File: BF108868.D
Acq: 7 Sep 2018 18:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	14.7	9.8	14.6





#91
 Benzo(g,h,i)perylene
 Concen: 5.812 ng
 RT: 17.04 min Scan# 2499
 Delta R.T. 0.01 min
 Lab File: BF108868.D
 Acq: 7 Sep 2018 18:39

Instrument :
 BNA_F
 ClientSampleId :
 EP1-WS-COMP-18MSD

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	17.9	26.9
138	24.5	21.8	32.8

