

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070918\
 Data File : BF107236.D
 Acq On : 9 Jul 2018 18:35
 Operator : JU/SJ
 Sample : J3880-15RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-18RE

Quant Time: Jul 10 01:08:15 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 14:38:29 2018
 Response via : Initial Calibration

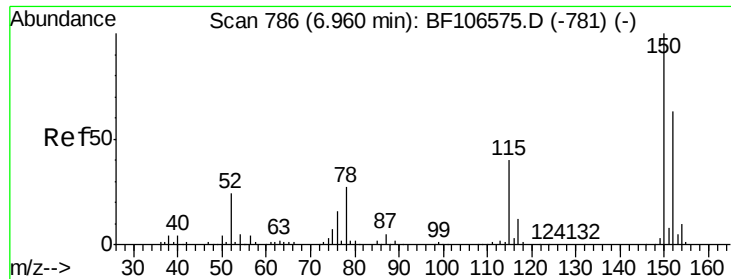
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	38836	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	131987	20.00	ng	-0.02
38) Acenaphthene-d10	9.99	164	62449	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	132883	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	115668	20.00	ng	-0.02
86) Perylene-d12	15.69	264	79838	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	193447	84.35	ng	-0.01
7) Phenol-d6	6.60	99	232632	81.22	ng	-0.02
23) Nitrobenzene-d5	7.51	82	134644	56.69	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	68315	94.38	ng	-0.01
44) 2-Fluorobiphenyl	9.30	172	256037	66.12	ng	-0.02
78) Terphenyl-d14	13.07	244	355073	74.36	ng	-0.01

Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.51	70	17309	9.168	ng	# 73
25) Isophorone	7.51	82	134643	32.172	ng	# 64
49) Dimethylphthalate	9.70	163	63300	13.515	ng	98
55) 4-Nitrophenol	10.20	139	1770	2.222	ng	# 9
56) 2,4-Dinitrotoluene	9.99	165	8119	6.272	ng	# 21
66) 4-Bromophenyl-phenylether	10.79	248	4037	2.546	ng	# 1
70) Phenanthrene	11.51	178	64864	10.120	ng	98
71) Anthracene	11.57	178	22532	3.444	ng	99
74) Fluoranthene	12.71	202	145577	20.608	ng	95
77) Pyrene	12.94	202	136335	17.874	ng	99
80) Benzo(a)anthracene	14.14	228	75408	10.697	ng	98
82) Chrysene	14.17	228	63392	9.774	ng	98
83) Bis(2-ethylhexyl)phthalate	14.08	149	11085	2.765	ng	# 97
87) Benzo(b)fluoranthene	15.23	252	87813	17.706	ng	97
88) Benzo(k)fluoranthene	15.23	252	87813	18.593	ng	97
89) Benzo(a)pyrene	15.62	252	42162	9.563	ng	96
90) Dibenzo(a,h)anthracene	17.28	278	7800	2.088	ng	# 80
91) Benzo(g,h,i)perylene	17.78	276	28191	7.719	ng	# 93

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

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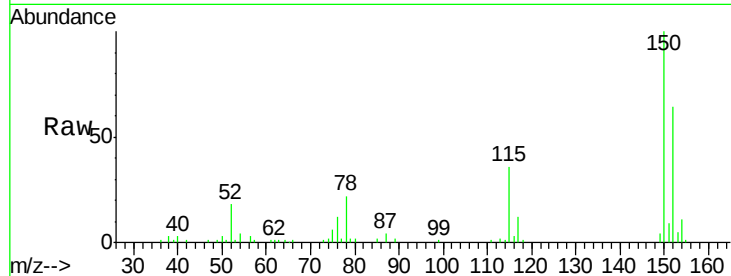


#1

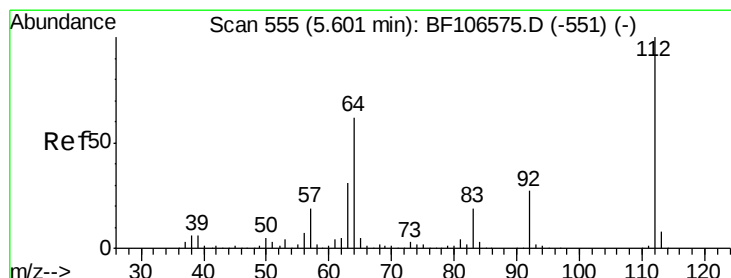
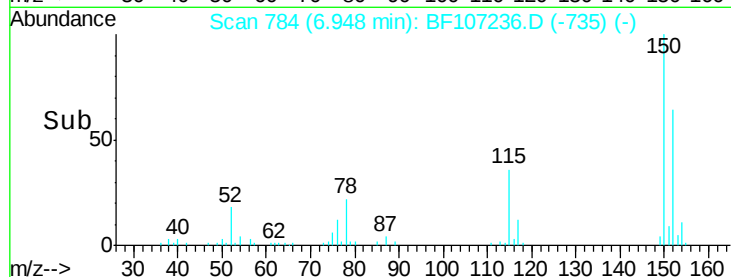
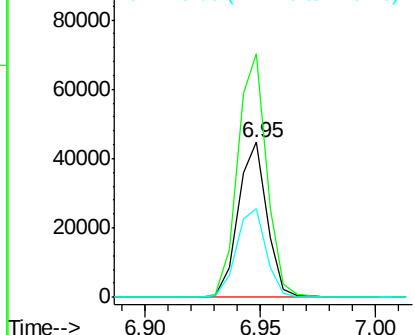
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF107236.D
Acq: 9 Jul 2018 18:35

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-18RE

Tgt Ion:152 Resp: 38836
Ion Ratio Lower Upper
152 100
150 157.4 124.6 186.8
115 57.1 50.1 75.1



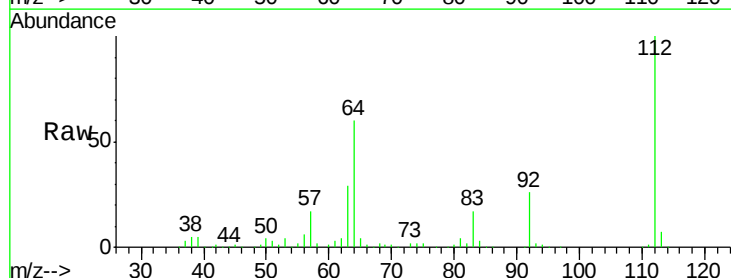
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



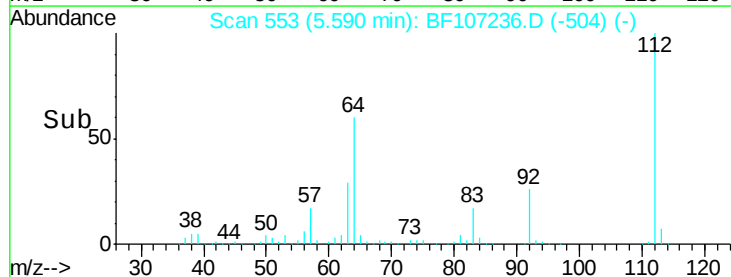
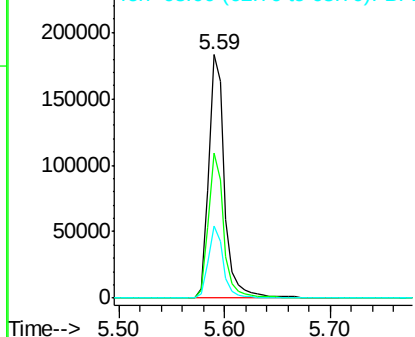
#5

2-Fluorophenol
Concen: 84.346 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF107236.D
Acq: 9 Jul 2018 18:35

Tgt Ion:112 Resp: 193447
Ion Ratio Lower Upper
112 100
64 59.6 47.9 71.9
63 29.5 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: 81.223 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107236.D

Acq: 9 Jul 2018 18:35

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-18RE

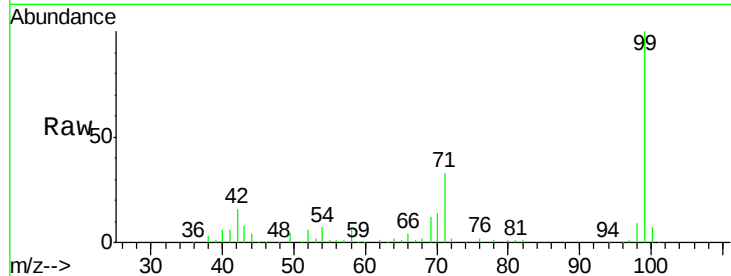
Tgt Ion: 99 Resp: 232632

Ion Ratio Lower Upper

99 100

42 15.8 14.5 21.7

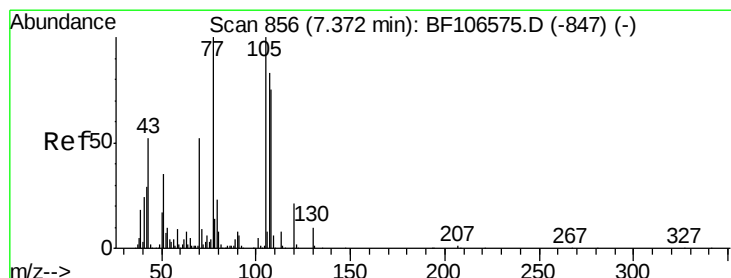
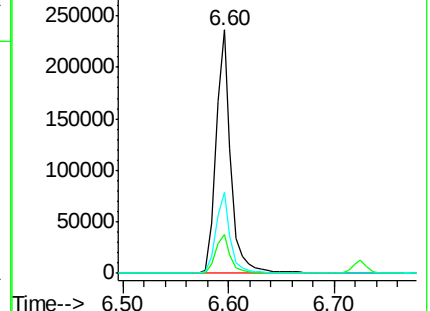
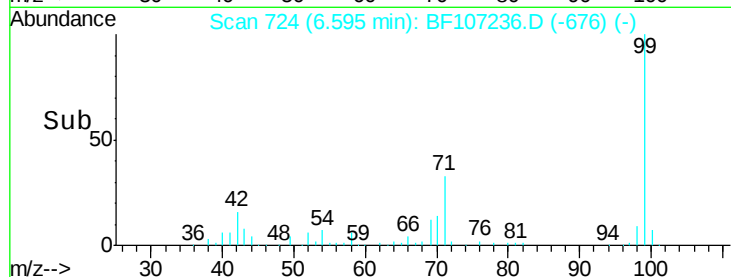
71 33.4 25.4 38.0



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: 9.168 ng

RT: 7.51 min Scan# 880

Delta R.T. 0.13 min

Lab File: BF107236.D

Acq: 9 Jul 2018 18:35

Tgt Ion: 70 Resp: 17309

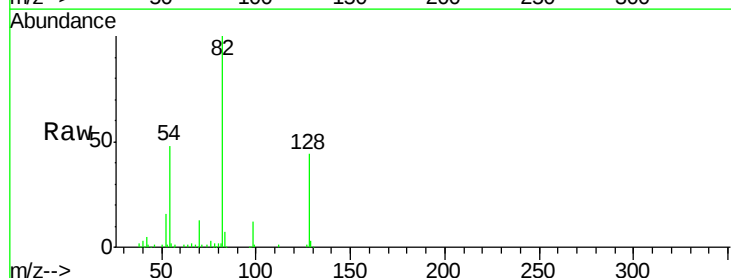
Ion Ratio Lower Upper

70 100

42 41.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

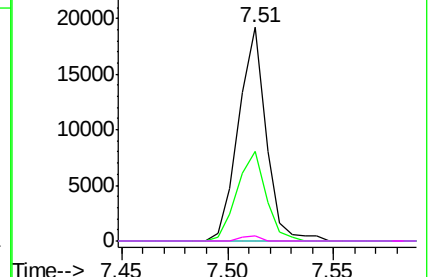
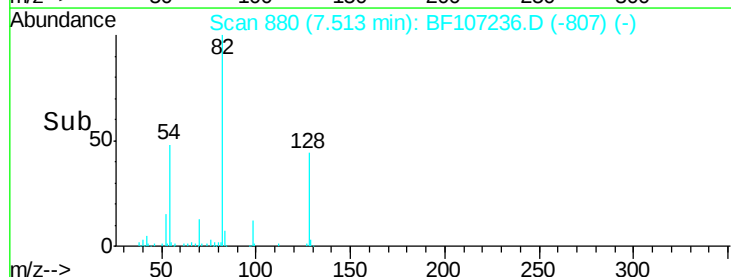


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

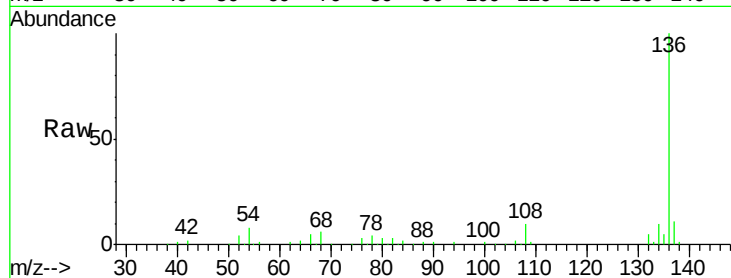




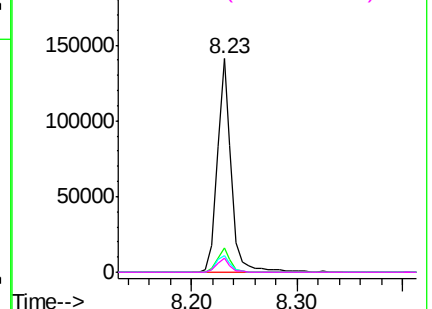
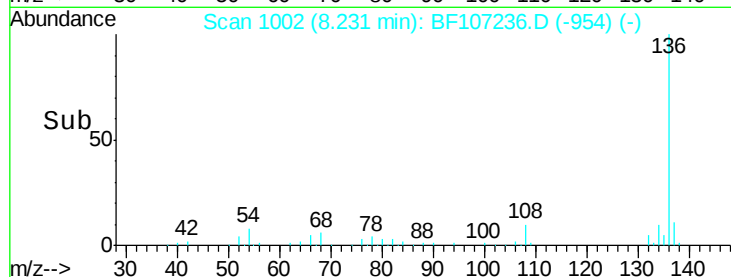
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1002
Delta R.T. -0.02 min
Lab File: BF107236.D
Acq: 9 Jul 2018 18:35

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-18RE

Tgt Ion: 136 Resp: 131987
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 8.1 6.6 9.8
68 6.4 5.0 7.4

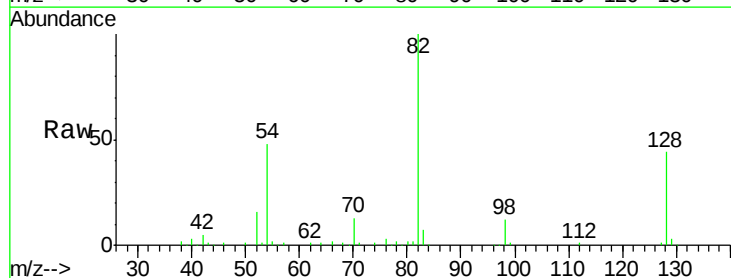


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

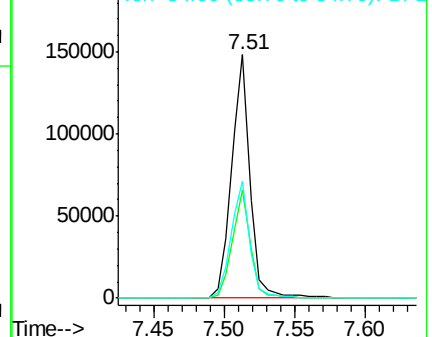
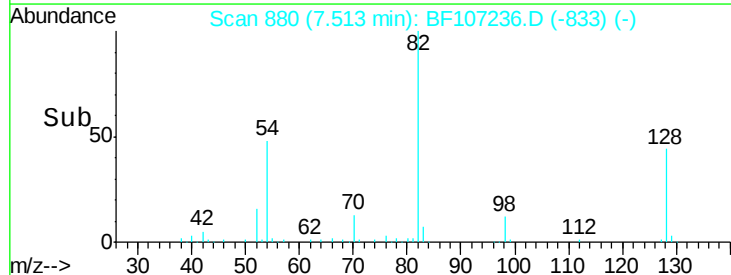


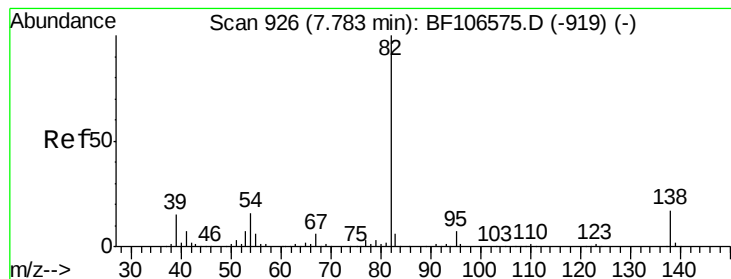
#23
Nitrobenzene-d5
Concen: 56.692 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF107236.D
Acq: 9 Jul 2018 18:35

Tgt Ion: 82 Resp: 134644
Ion Ratio Lower Upper
82 100
128 44.2 36.1 54.1
54 48.0 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: 32.172 ng

RT: 7.51 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF107236.D

Acq: 9 Jul 2018 18:35

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-18RE

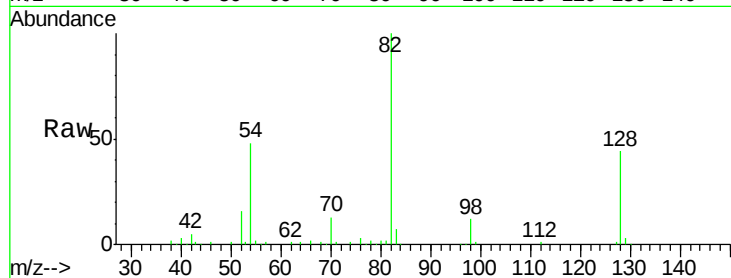
Tgt Ion: 82 Resp: 134643

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

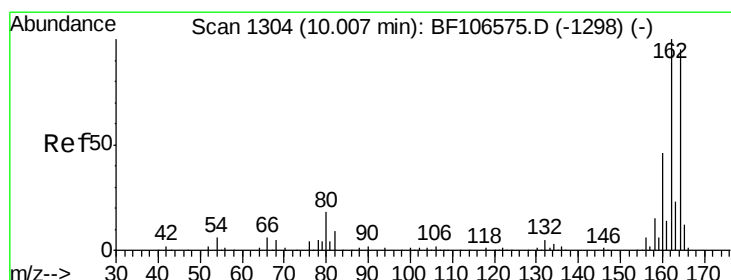
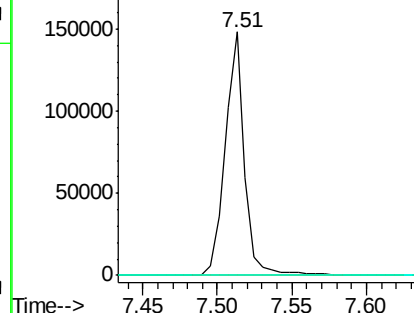
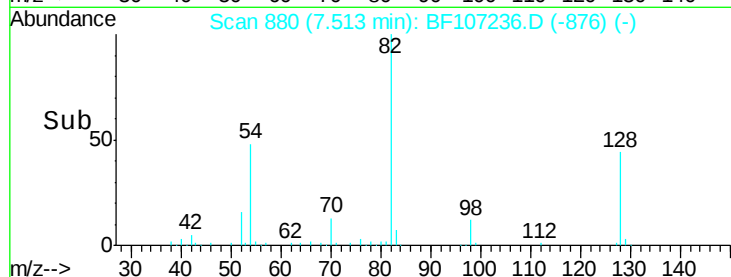
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.99 min Scan# 1301

Delta R.T. -0.02 min

Lab File: BF107236.D

Acq: 9 Jul 2018 18:35

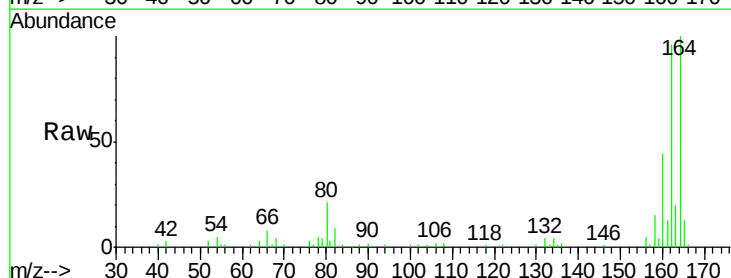
Tgt Ion: 164 Resp: 62449

Ion Ratio Lower Upper

164 100

162 96.3 86.1 129.1

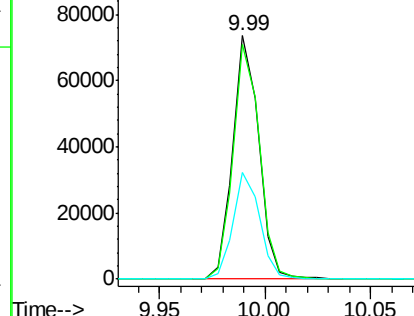
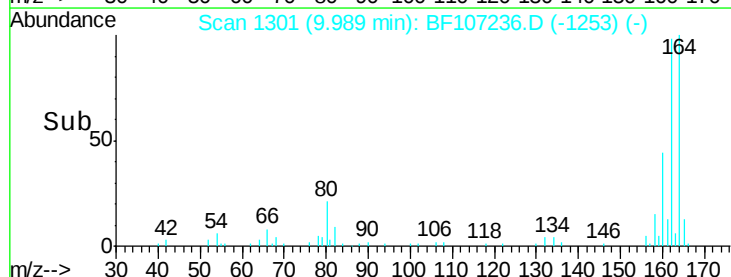
160 43.8 38.3 57.5



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

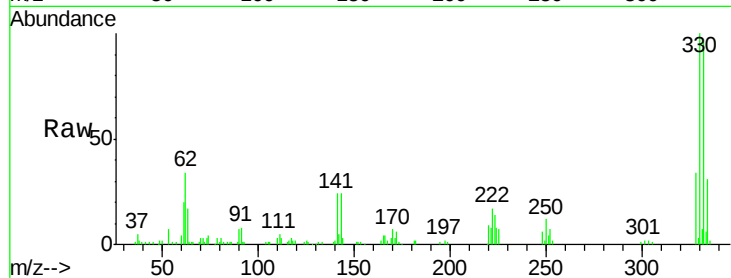




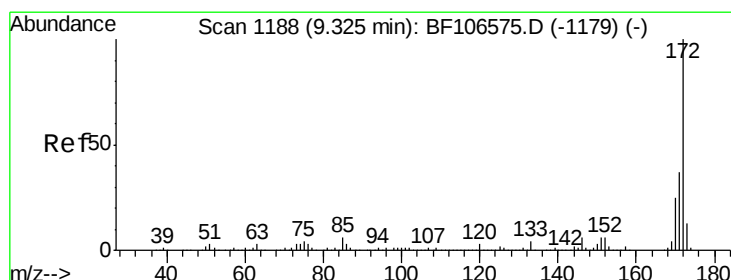
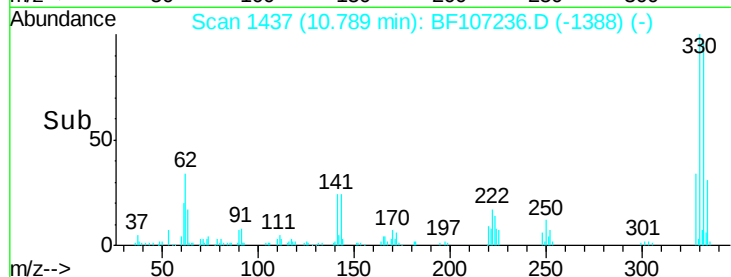
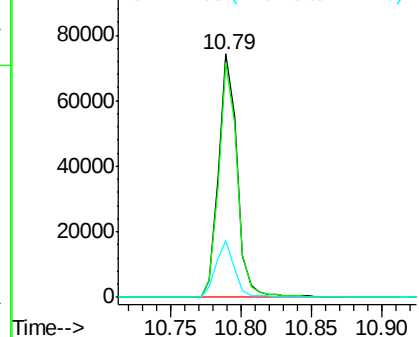
#41
 2,4,6-Tribromophenol
 Concen: 94.384 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107236.D
 Acq: 9 Jul 2018 18:35

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-18RE

Tgt Ion:330 Resp: 68315
 Ion Ratio Lower Upper
 330 100
 332 95.2 77.0 115.6
 141 23.1 29.9 44.9#

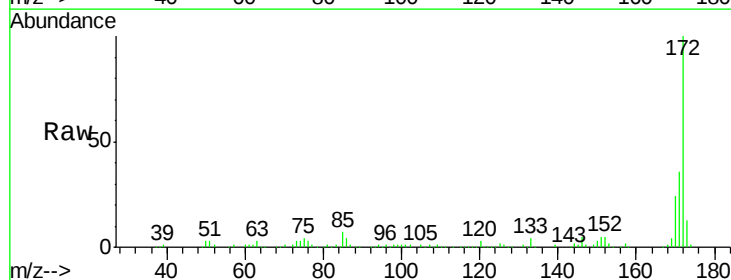


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

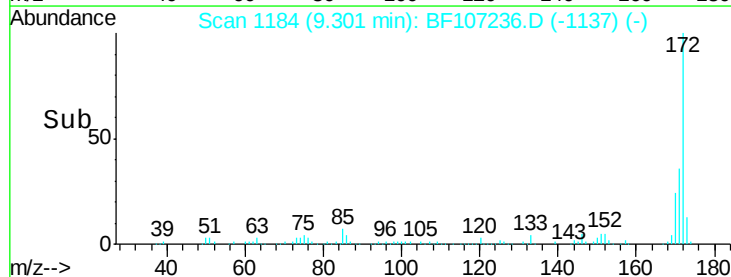
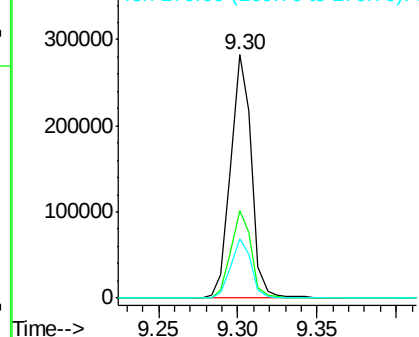


#44
 2-Fluorobiphenyl
 Concen: 66.120 ng
 RT: 9.30 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF107236.D
 Acq: 9 Jul 2018 18:35

Tgt Ion:172 Resp: 256037
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.7 44.5
 170 24.2 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

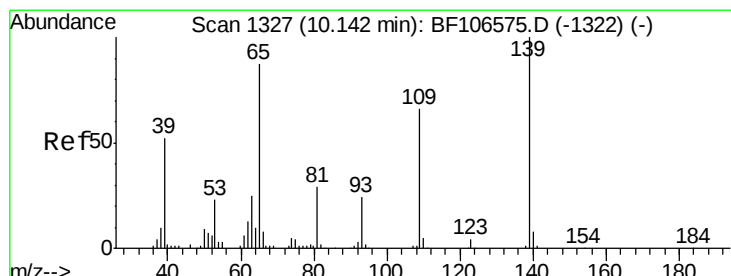
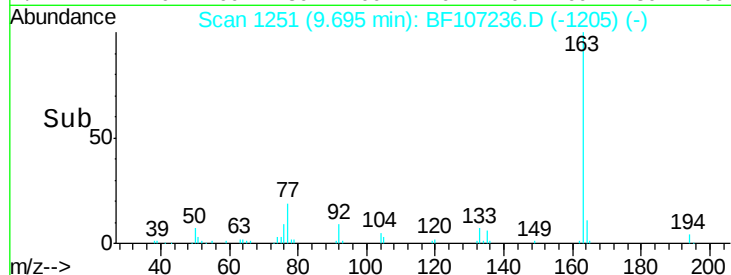
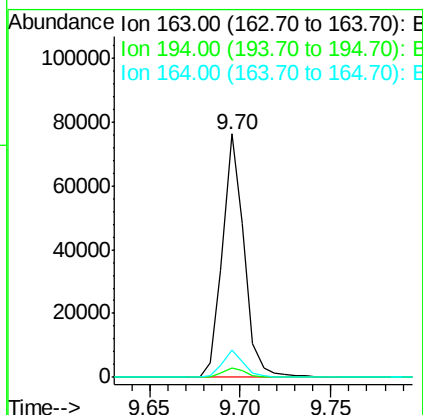
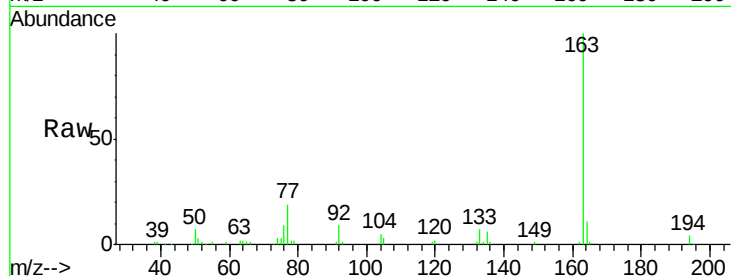




#49
Dimethylphthalate
Concen: 13.515 ng
RT: 9.70 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF107236.D
Acq: 9 Jul 2018 18:35

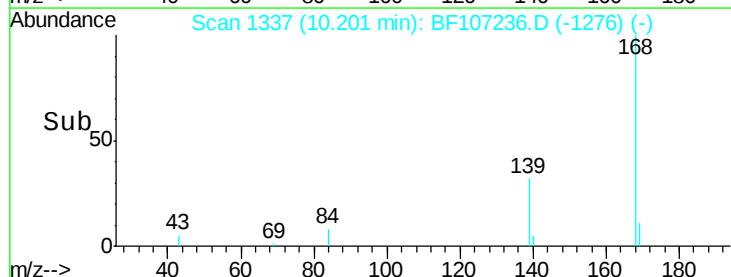
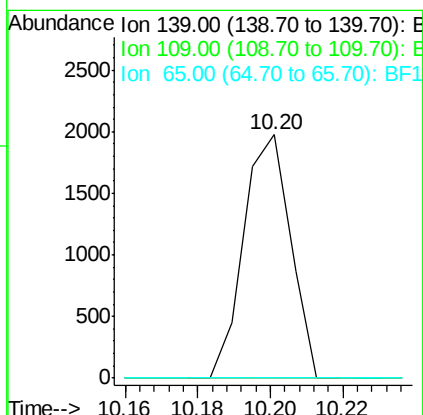
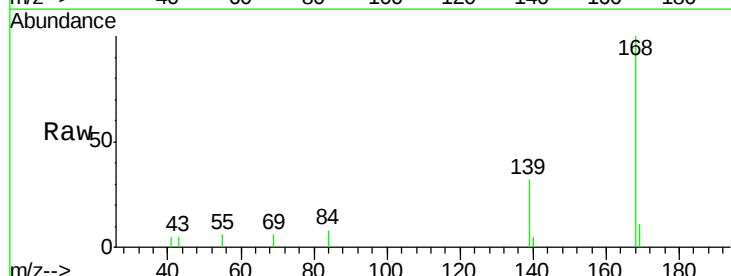
Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-18RE

Tgt Ion:163 Resp: 63300
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 11.2 8.2 12.2



#55
4-Nitrophenol
Concen: 2.222 ng
RT: 10.20 min Scan# 1337
Delta R.T. 0.06 min
Lab File: BF107236.D
Acq: 9 Jul 2018 18:35

Tgt Ion:139 Resp: 1770
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#

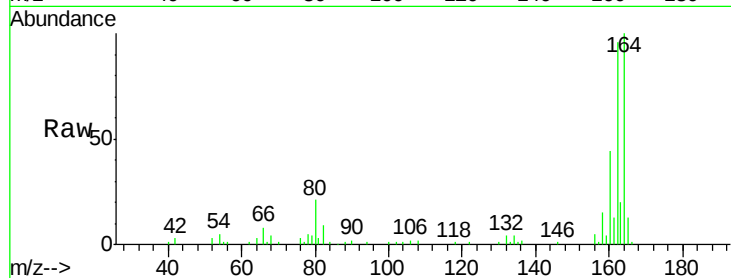




#56
 2,4-Dinitrotoluene
 Concen: 6.272 ng
 RT: 9.99 min Scan# 1301
 Delta R.T. -0.21 min
 Lab File: BF107236.D
 Acq: 9 Jul 2018 18:35

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-18RE

Tgt Ion:	165	Resp:	8119
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#

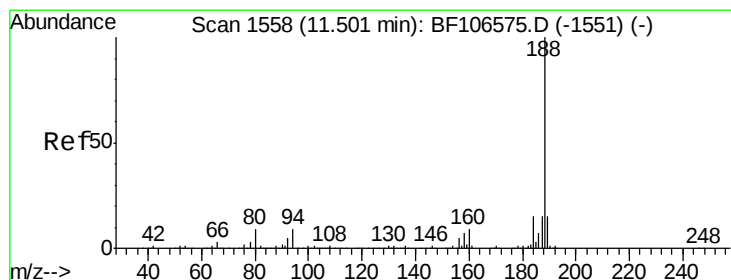
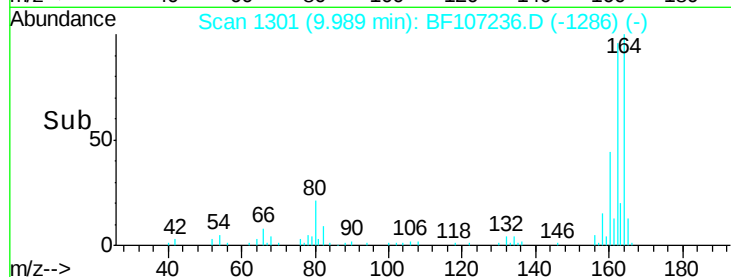
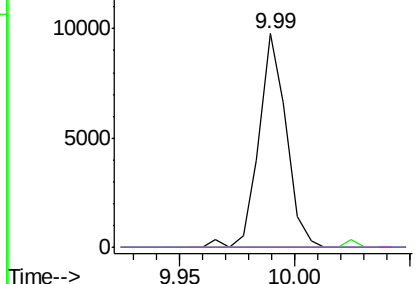


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

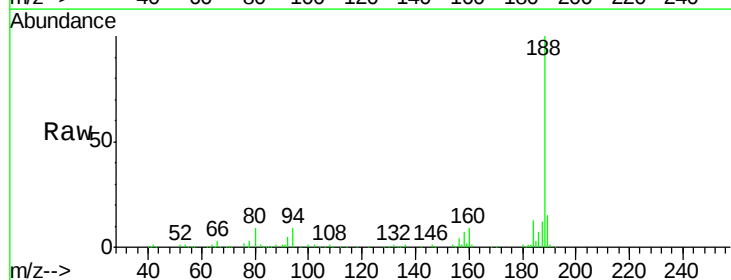
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF107236.D
 Acq: 9 Jul 2018 18:35

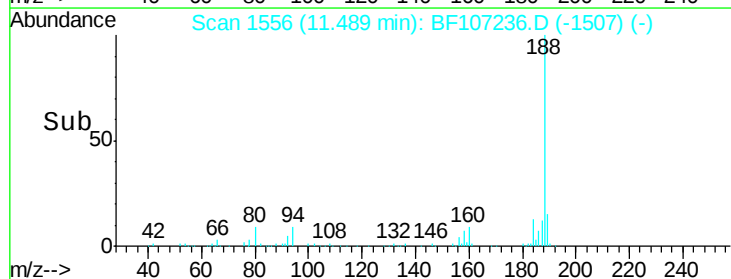
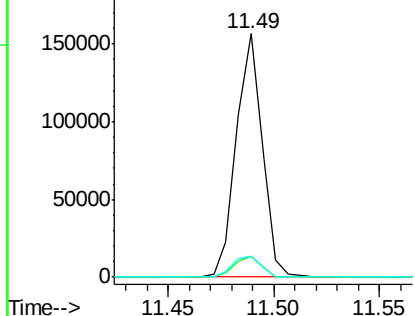
Tgt Ion:	188	Resp:	132883
Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.5	12.7
80	8.7	9.2	13.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

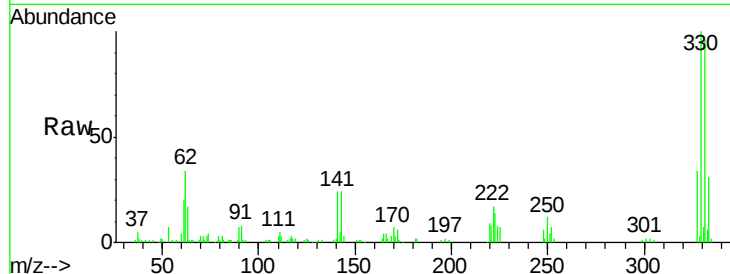




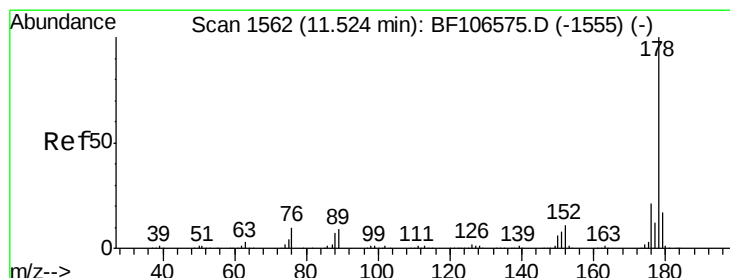
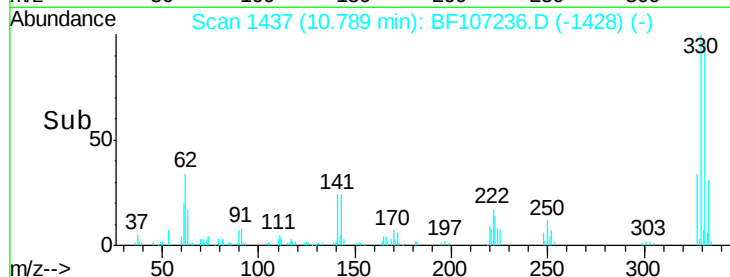
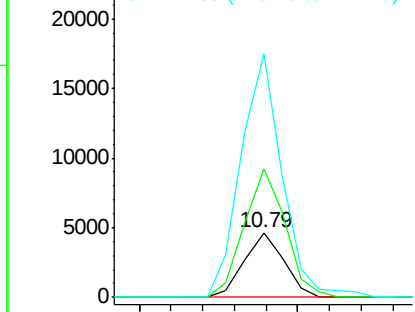
#66
4-Bromophenyl-phenylether
Concen: 2.546 ng
RT: 10.79 min Scan# 1437
Delta R.T. -0.25 min
Lab File: BF107236.D
Acq: 9 Jul 2018 18:35

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-18RE

Tgt Ion:248 Resp: 4037
Ion Ratio Lower Upper
248 100
250 198.1 76.9 115.3#
141 375.2 74.4 111.6#

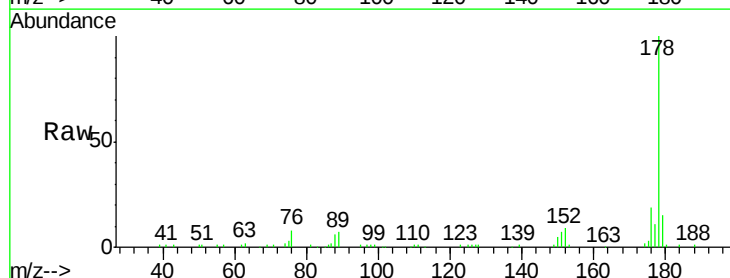


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

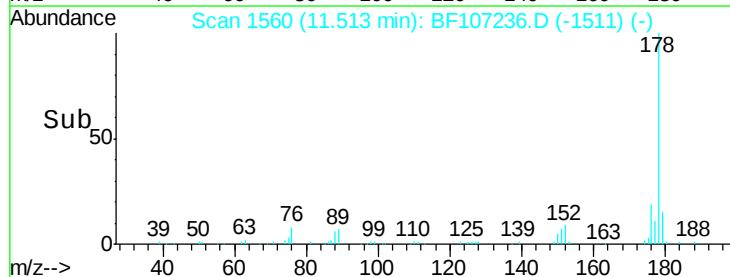
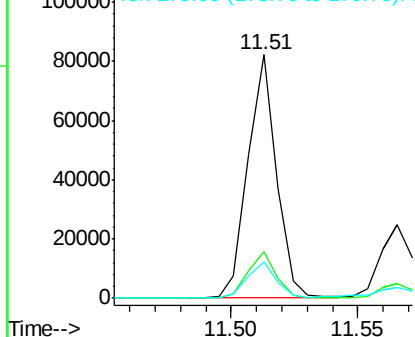


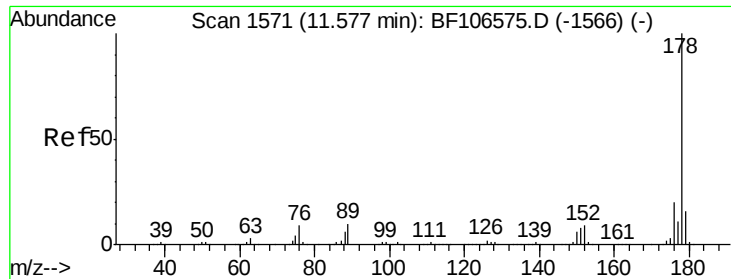
#70
Phenanthrene
Concen: 10.120 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF107236.D
Acq: 9 Jul 2018 18:35

Tgt Ion:178 Resp: 64864
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.8
179 15.0 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: 3.444 ng

RT: 11.57 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF107236.D

Acq: 9 Jul 2018 18:35

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-18RE

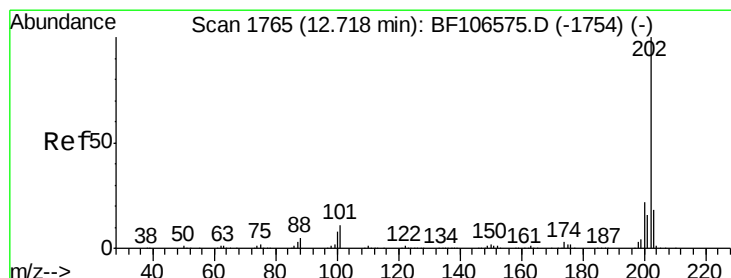
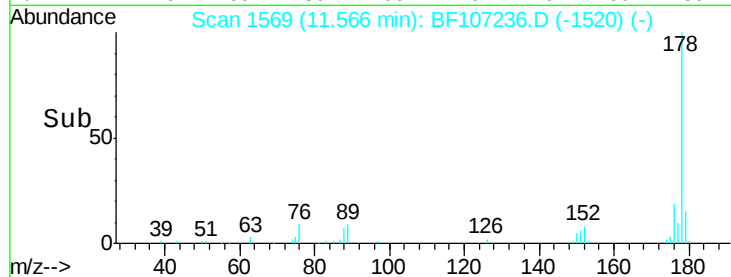
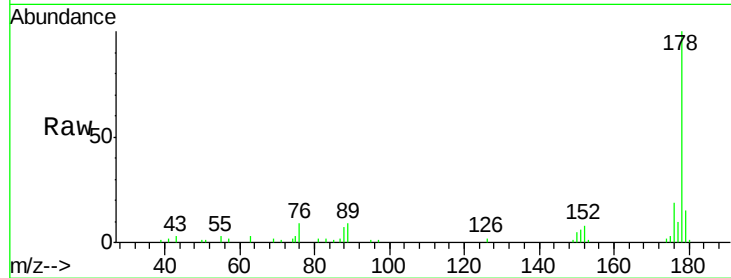
Tgt Ion:178 Resp: 22532

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

179 15.1 12.6 19.0



#74

Fluoranthene

Concen: 20.608 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF107236.D

Acq: 9 Jul 2018 18:35

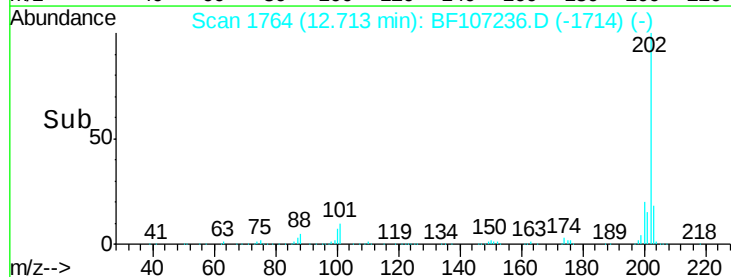
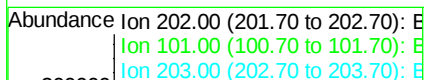
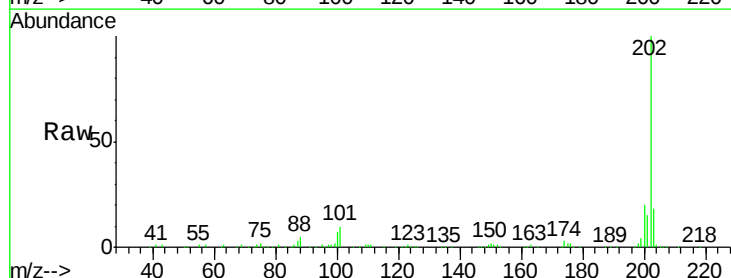
Tgt Ion:202 Resp: 145577

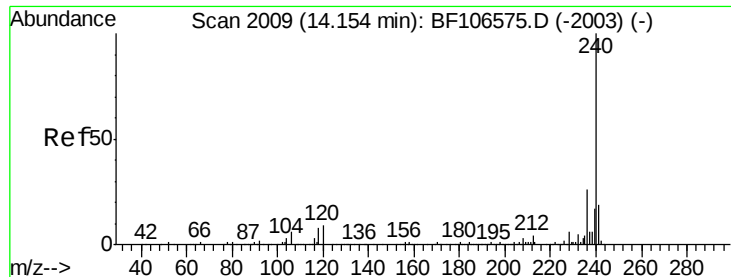
Ion Ratio Lower Upper

202 100

101 9.6 0.0 34.1

203 17.8 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BF107236.D

Acq: 9 Jul 2018 18:35

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-18RE

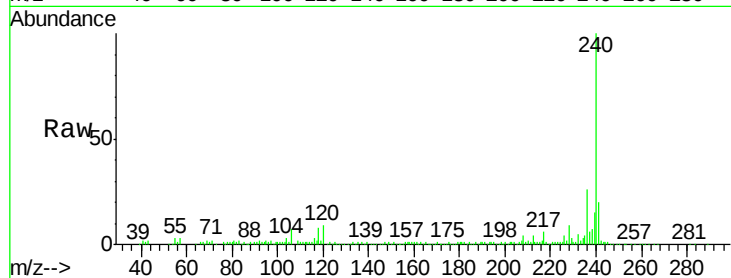
Tgt Ion:240 Resp: 115668

Ion Ratio Lower Upper

240 100

120 8.6 9.5 14.3#

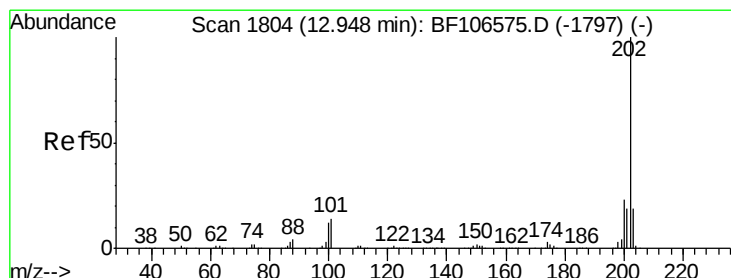
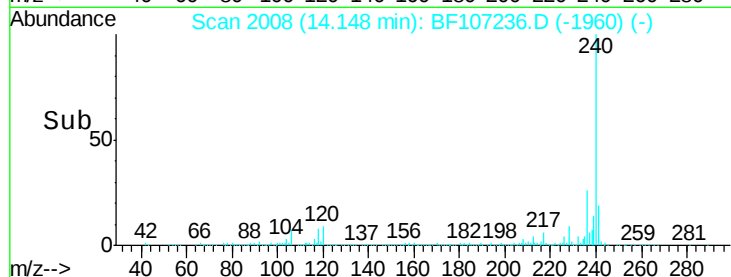
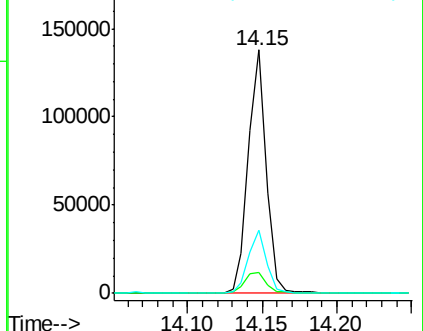
236 25.8 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 17.874 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF107236.D

Acq: 9 Jul 2018 18:35

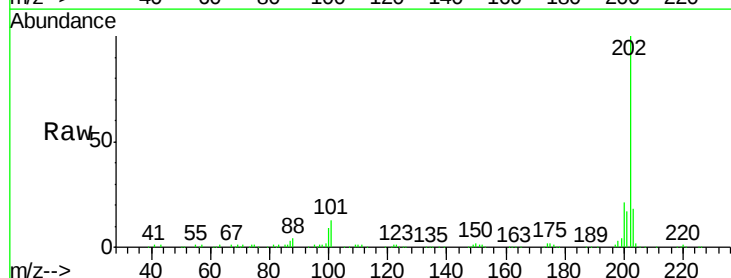
Tgt Ion:202 Resp: 136335

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

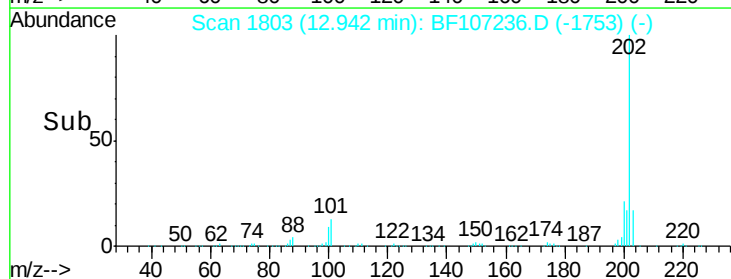
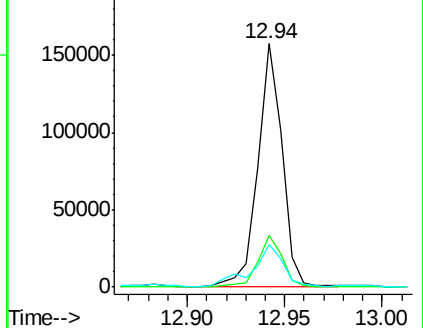
203 17.8 14.3 21.5

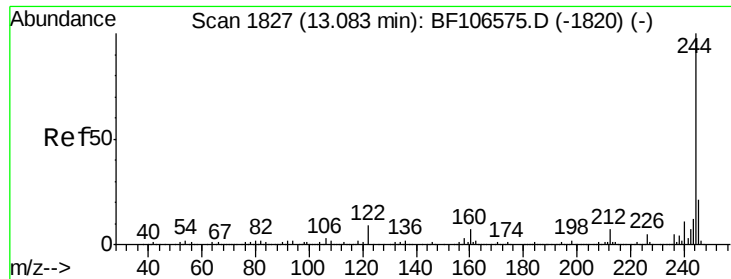


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

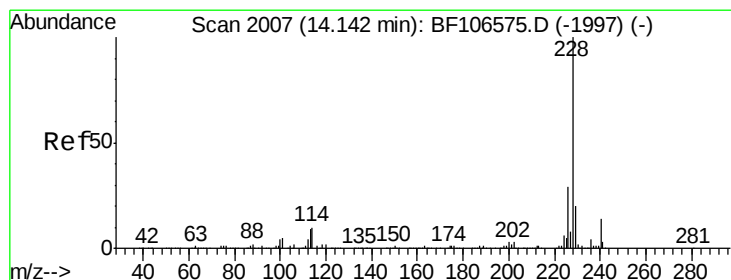
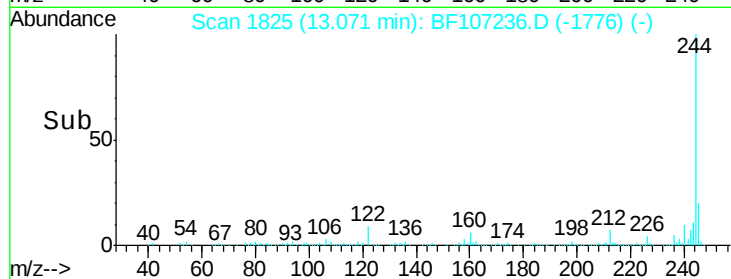
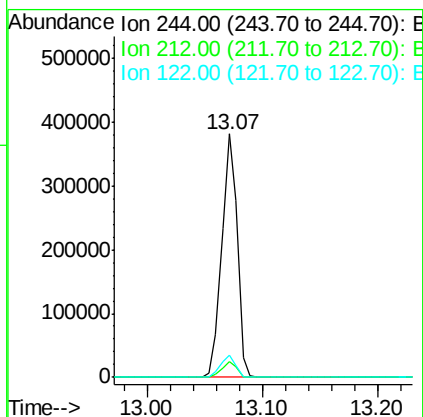
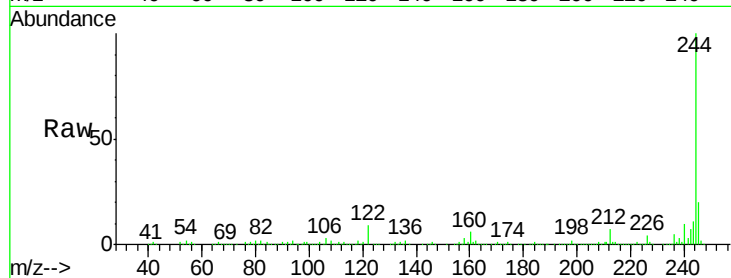




#78
 Terphenyl-d14
 Concen: 74.359 ng
 RT: 13.07 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF107236.D
 Acq: 9 Jul 2018 18:35

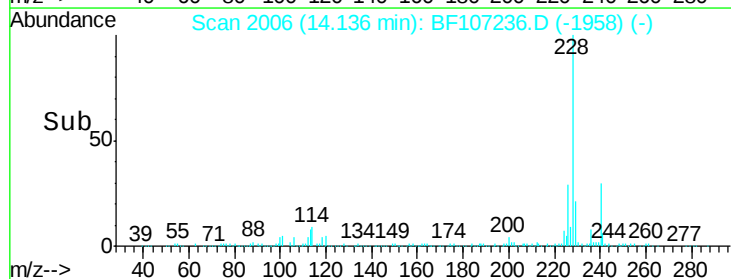
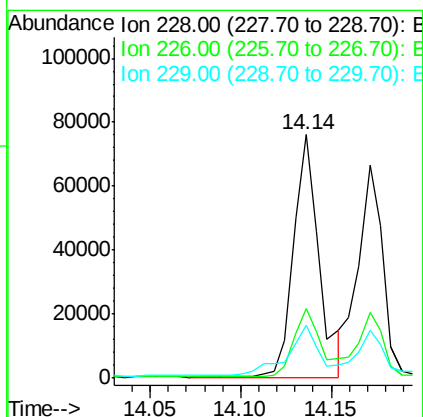
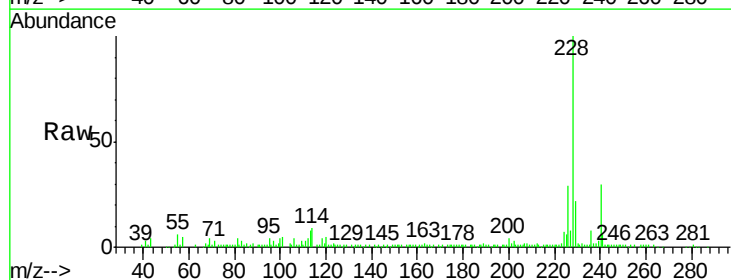
Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-18RE

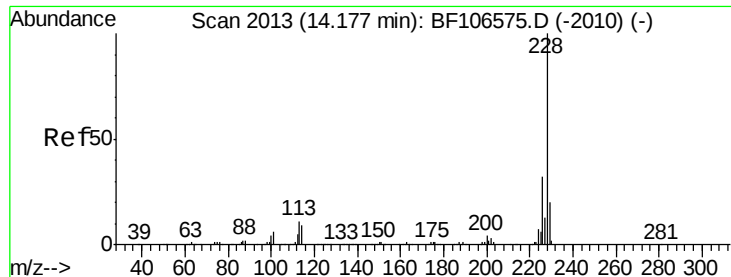
Tgt Ion:244 Resp: 355073
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 8.9 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 10.697 ng
 RT: 14.14 min Scan# 2006
 Delta R.T. -0.02 min
 Lab File: BF107236.D
 Acq: 9 Jul 2018 18:35

Tgt Ion:228 Resp: 75408
 Ion Ratio Lower Upper
 228 100
 226 28.6 22.6 33.8
 229 21.6 15.8 23.6





#82

Chrysene

Concen: 9.774 ng

RT: 14.17 min Scan# 2012

Delta R.T. -0.02 min

Lab File: BF107236.D

Acq: 9 Jul 2018 18:35

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-18RE

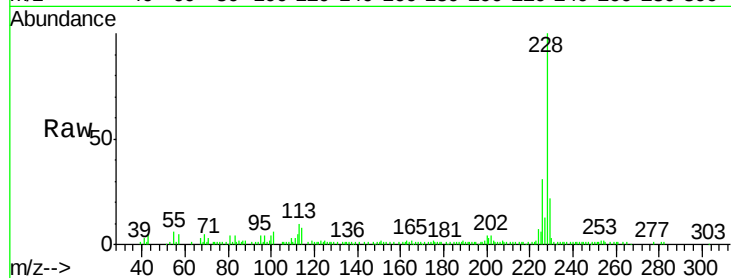
Tgt Ion:228 Resp: 63392

Ion Ratio Lower Upper

228 100

226 31.1 25.0 37.6

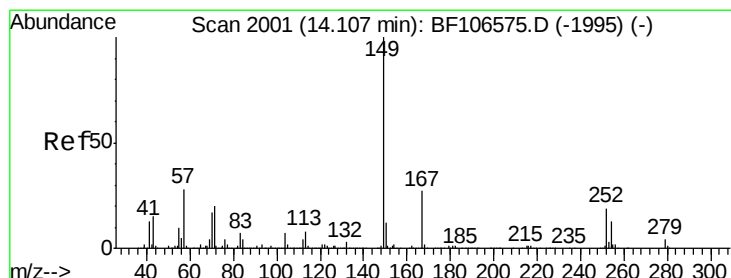
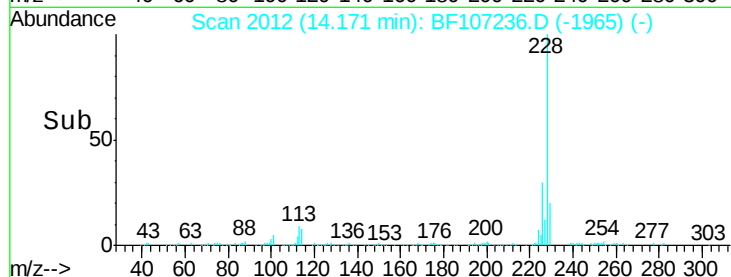
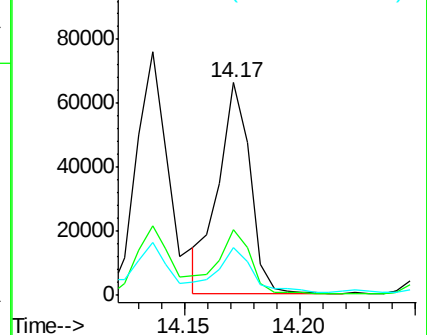
229 22.2 16.2 24.4



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.765 ng

RT: 14.08 min Scan# 1997

Delta R.T. -0.03 min

Lab File: BF107236.D

Acq: 9 Jul 2018 18:35

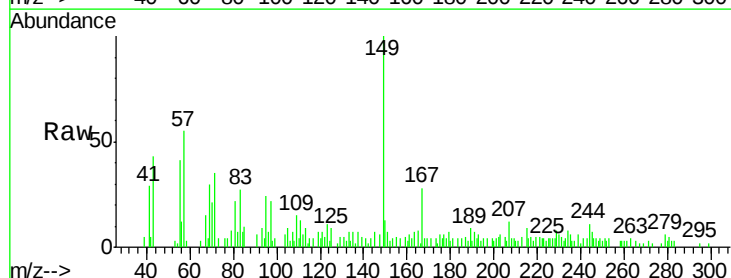
Tgt Ion:149 Resp: 11085

Ion Ratio Lower Upper

149 100

167 27.6 21.3 31.9

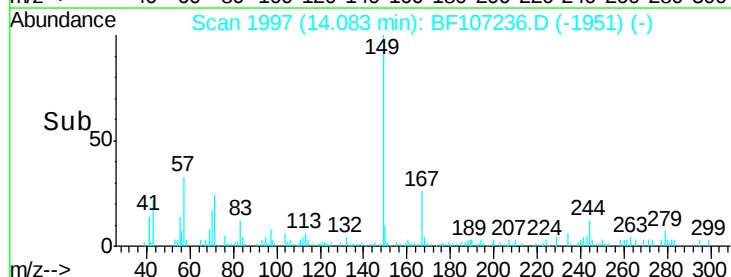
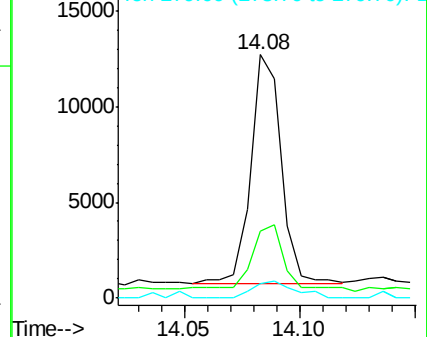
279 6.1 3.0 4.4#

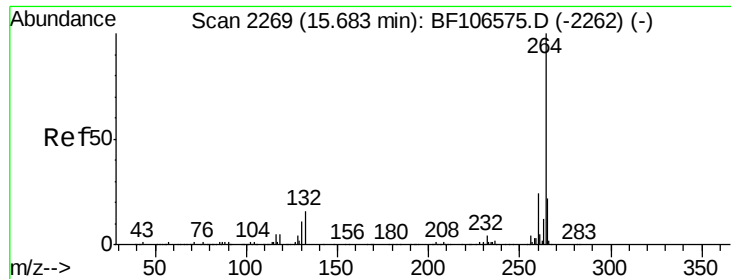


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

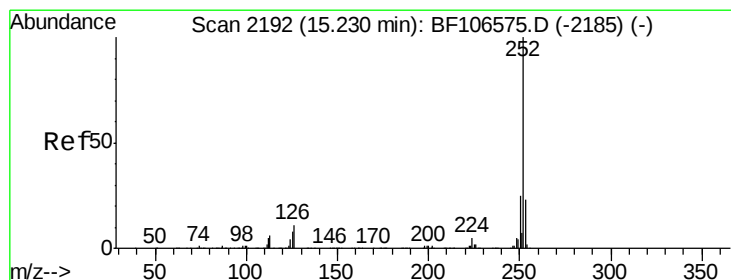
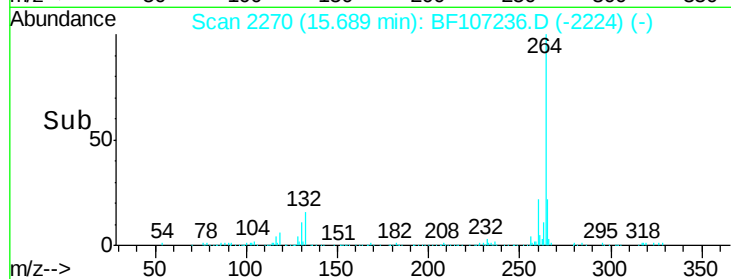
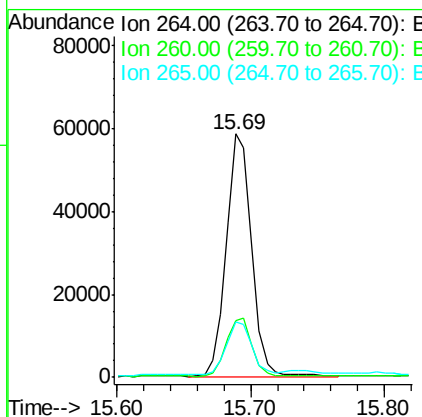
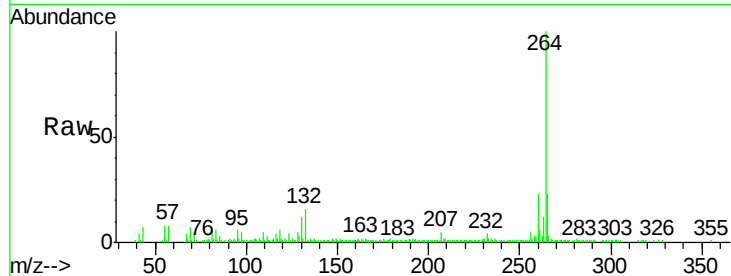




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.03 min
Lab File: BF107236.D
Acq: 9 Jul 2018 18:35

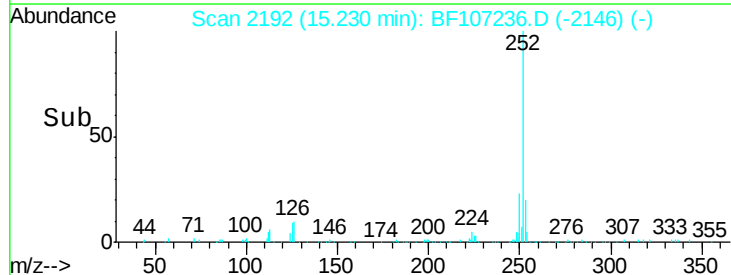
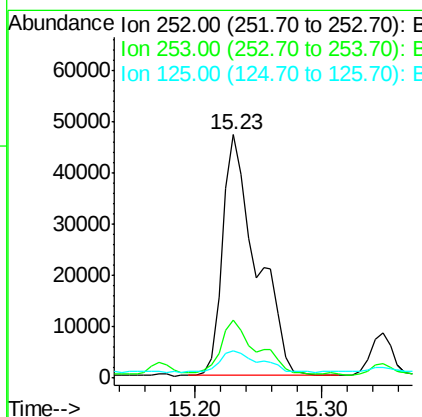
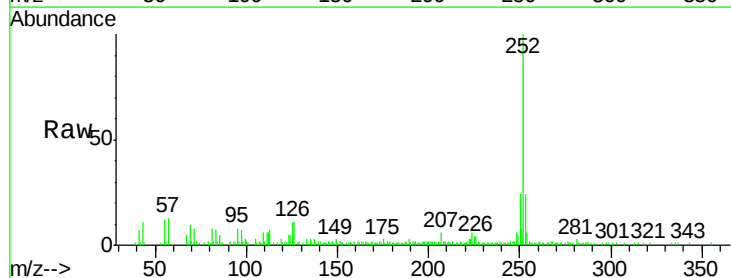
Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-18RE

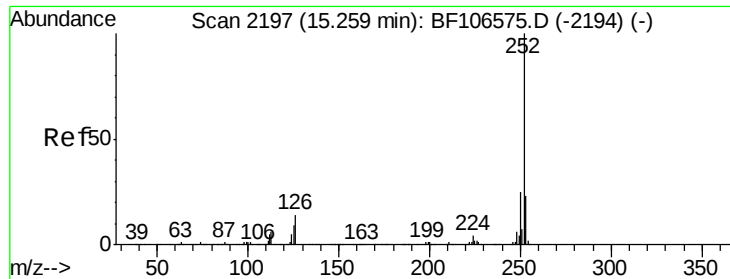
Tgt Ion:264 Resp: 79838
Ion Ratio Lower Upper
264 100
260 23.1 19.2 28.8
265 23.0 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 17.706 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BF107236.D
Acq: 9 Jul 2018 18:35

Tgt Ion:252 Resp: 87813
Ion Ratio Lower Upper
252 100
253 23.8 17.0 25.6
125 11.2 9.0 13.6

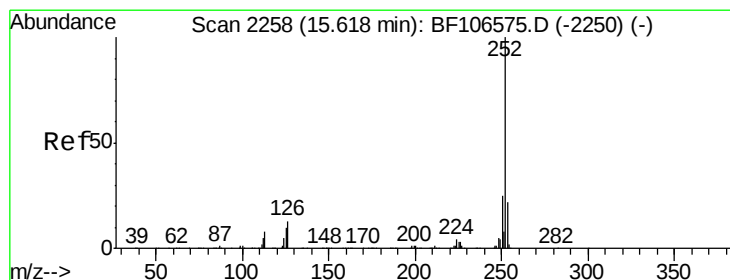
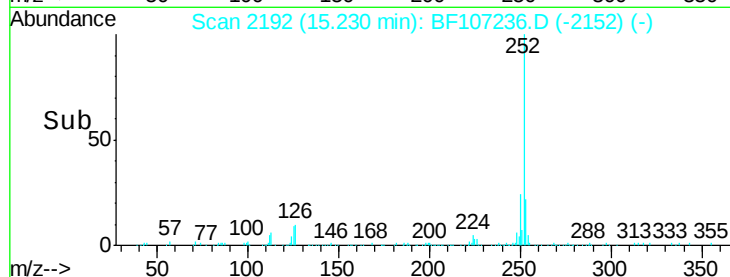
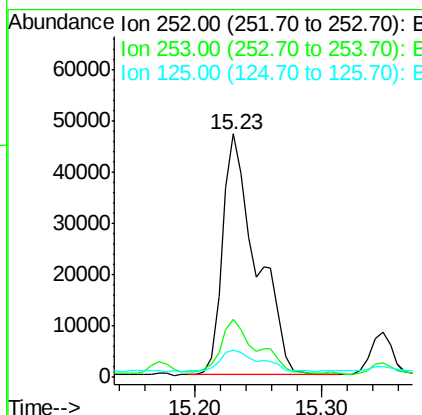
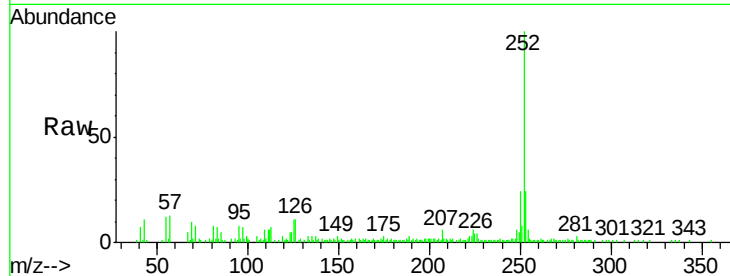




#88
Benzo(k)fluoranthene
Concen: 18.593 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.06 min
Lab File: BF107236.D
Acq: 9 Jul 2018 18:35

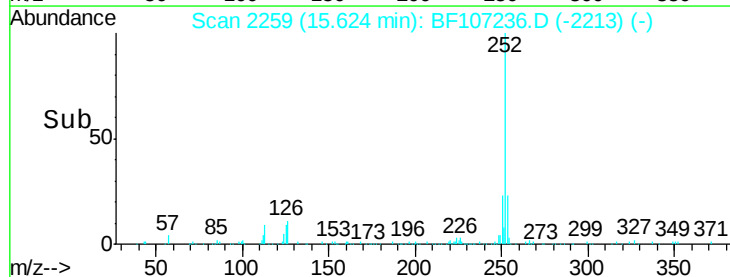
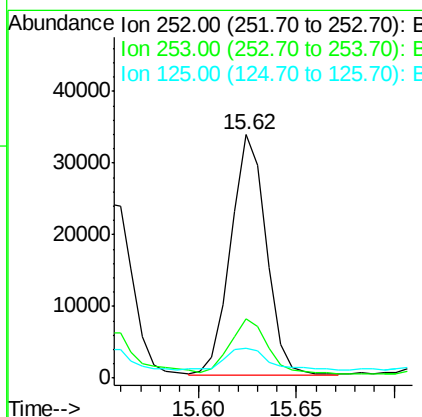
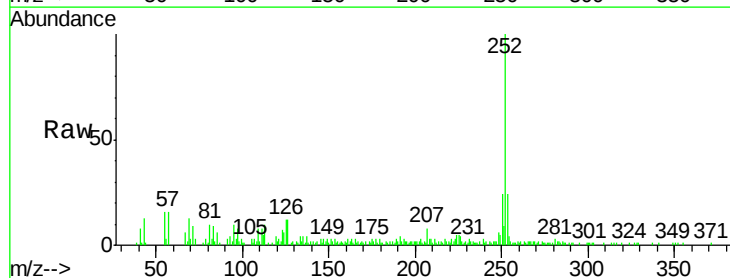
Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-18RE

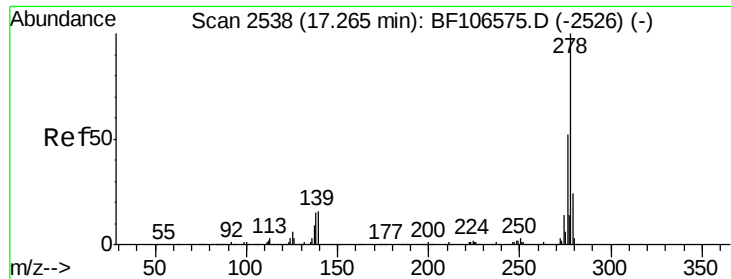
Tgt Ion:252 Resp: 87813
Ion Ratio Lower Upper
252 100
253 23.8 17.9 26.9
125 11.2 10.2 15.2



#89
Benzo(a)pyrene
Concen: 9.563 ng
RT: 15.62 min Scan# 2259
Delta R.T. -0.03 min
Lab File: BF107236.D
Acq: 9 Jul 2018 18:35

Tgt Ion:252 Resp: 42162
Ion Ratio Lower Upper
252 100
253 24.4 17.1 25.7
125 12.0 9.8 14.6



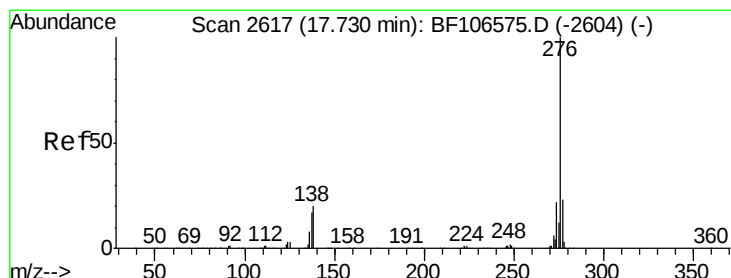
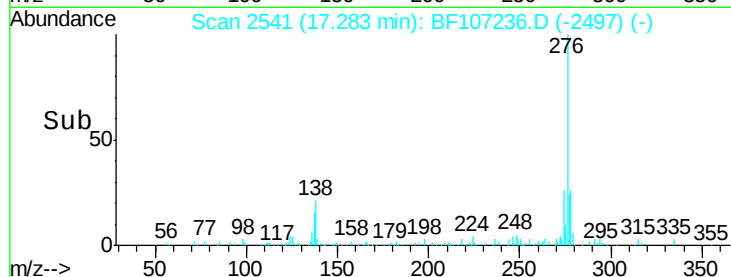
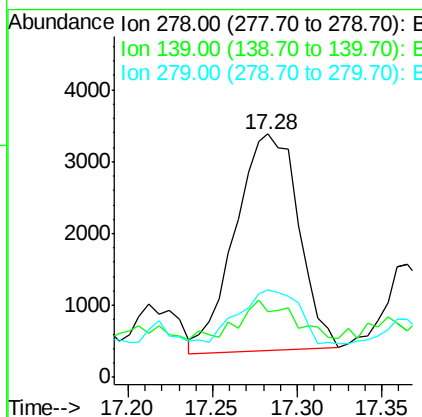
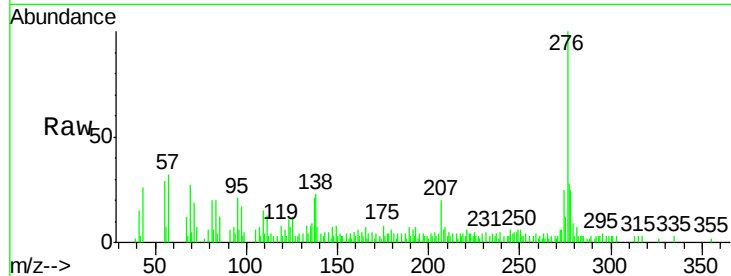


#90
Dibenzo(a,h)anthracene
Concen: 2.088 ng
RT: 17.28 min Scan# 2541
Delta R.T. -0.04 min
Lab File: BF107236.D
Acq: 9 Jul 2018 18:35

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-18RE

Tgt Ion: 278 Resp: 7800

Ion	Ratio	Lower	Upper
278	100		
139	26.7	15.9	23.9#
279	36.0	19.0	28.4#



#91
Benzo(g,h,i)perylene
Concen: 7.719 ng
RT: 17.78 min Scan# 2626
Delta R.T. -0.01 min
Lab File: BF107236.D
Acq: 9 Jul 2018 18:35

Tgt Ion: 276 Resp: 28191

Ion	Ratio	Lower	Upper
276	100		
277	27.7	17.9	26.9#
138	25.8	21.8	32.8

