

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070718\
 Data File : BF107219.D
 Acq On : 7 Jul 2018 20:51
 Operator : JU/SJ
 Sample : J3880-15
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-18

Quant Time: Jul 09 02:18:17 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

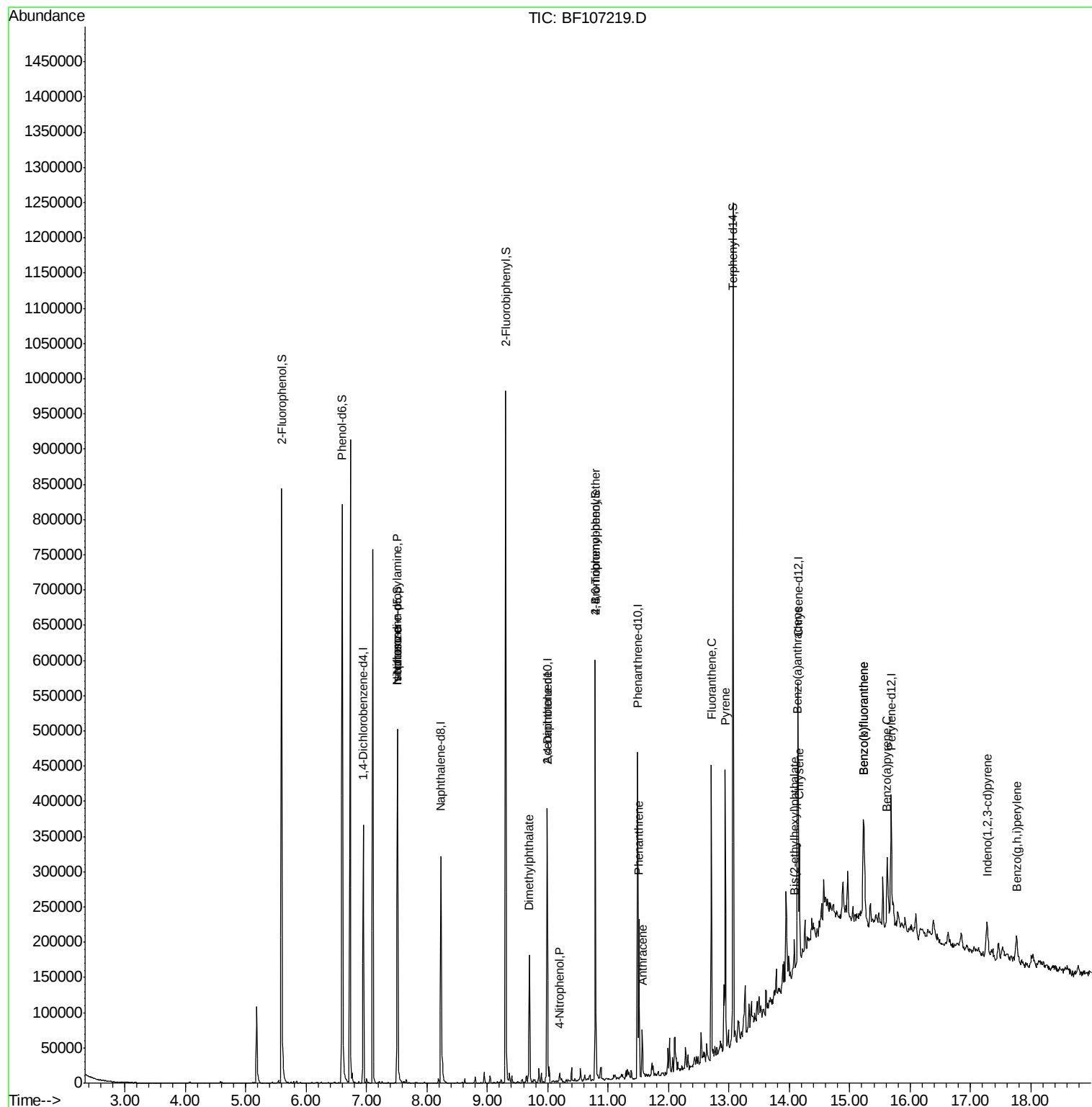
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	51612	20.00	ng	-0.01
21) Naphthalene-d8	8.24	136	177524	20.00	ng	-0.01
38) Acenaphthene-d10	9.99	164	79730	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	163699	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	127528	20.00	ng	-0.02
86) Perylene-d12	15.68	264	101271	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	266473	87.43	ng	0.00
7) Phenol-d6	6.60	99	317045	83.29	ng	-0.02
23) Nitrobenzene-d5	7.51	82	173952	54.46	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	85298	92.30	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	336262	68.53	ng	-0.02
78) Terphenyl-d14	13.07	244	420825	79.93	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.51	70	22461	8.952	ng	# 75
25) Isophorone	7.51	82	173949	30.902	ng	# 64
49) Dimethylphthalate	9.70	163	81779	13.676	ng	# 99
55) 4-Nitrophenol	10.20	139	2254	2.216	ng	# 9
56) 2,4-Dinitrotoluene	9.99	165	10379	6.280	ng	# 21
66) 4-Bromophenyl-phenylether	10.79	248	5127	2.624	ng	# 1
70) Phenanthrene	11.51	178	79824	10.110	ng	# 98
71) Anthracene	11.57	178	28180	3.497	ng	# 98
74) Fluoranthene	12.71	202	174476	20.049	ng	# 97
77) Pyrene	12.94	202	156444	18.603	ng	# 99
80) Benzo(a)anthracene	14.13	228	76166	9.799	ng	# 98
82) Chrysene	14.17	228	71950	10.062	ng	# 98
83) Bis(2-ethylhexyl)phthalate	14.08	149	12306	2.784	ng	# 94
85) Indeno(1,2,3-cd)pyrene	17.28	276	32977	5.434	ng	# 87
87) Benzo(b)fluoranthene	15.22	252	105439	16.761	ng	# 97
88) Benzo(k)fluoranthene	15.22	252	105439	17.600	ng	# 97
89) Benzo(a)pyrene	15.62	252	53022	9.481	ng	# 96
91) Benzo(g,h,i)perylene	17.77	276	33202	7.167	ng	# 86

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

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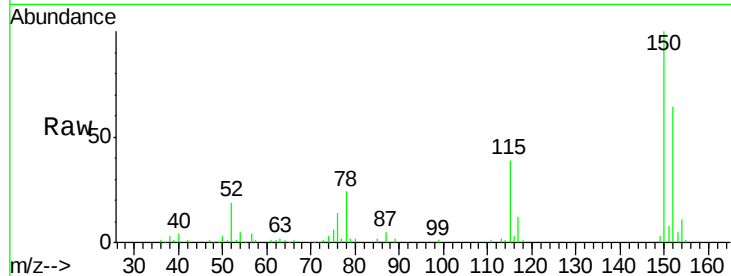


#1

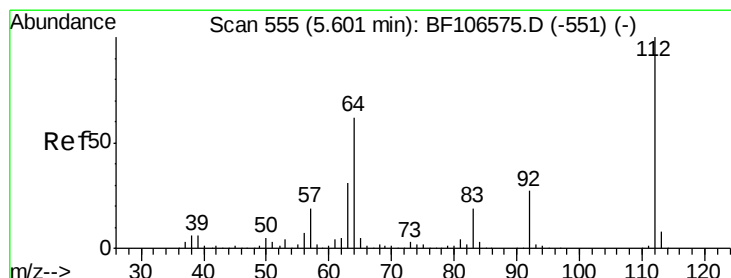
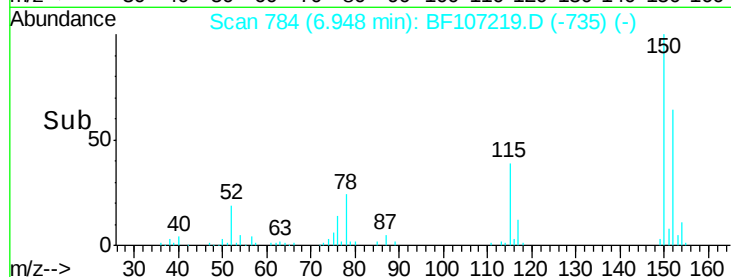
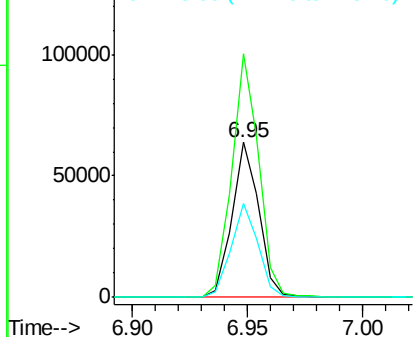
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF107219.D
Acq: 7 Jul 2018 20:51

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-18

Tgt Ion:152 Resp: 51612
Ion Ratio Lower Upper
152 100
150 157.3 124.6 186.8
115 60.6 50.1 75.1



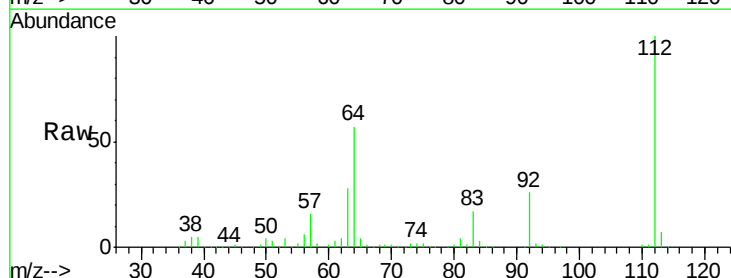
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



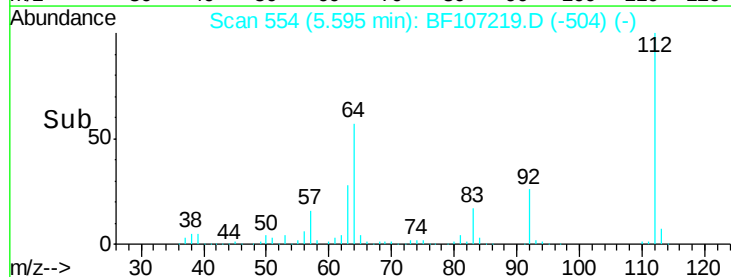
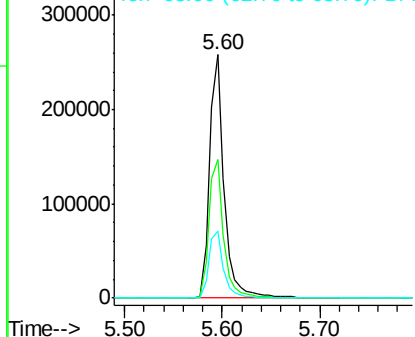
#5

2-Fluorophenol
Concen: 87.426 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107219.D
Acq: 7 Jul 2018 20:51

Tgt Ion:112 Resp: 266473
Ion Ratio Lower Upper
112 100
64 56.8 47.9 71.9
63 27.7 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: 83.294 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107219.D

Acq: 7 Jul 2018 20:51

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-18

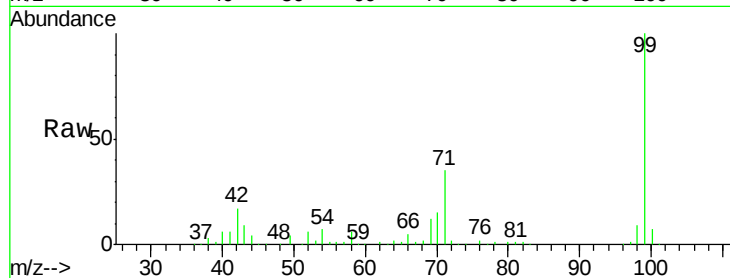
Tgt Ion: 99 Resp: 317045

Ion Ratio Lower Upper

99 100

42 16.8 14.5 21.7

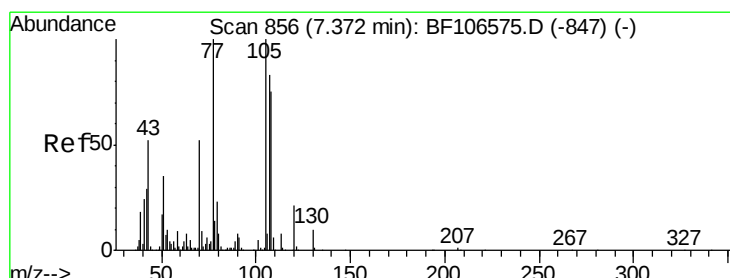
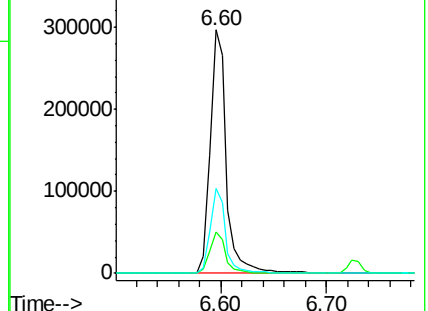
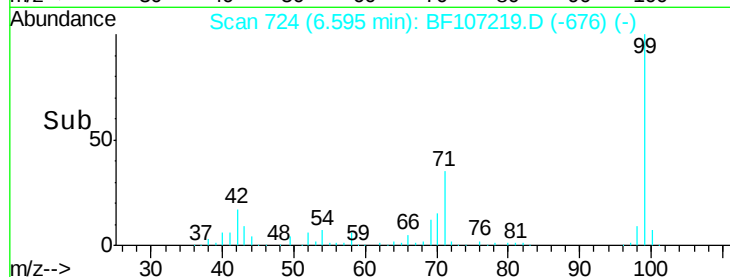
71 34.9 25.4 38.0



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: 8.952 ng

RT: 7.51 min Scan# 880

Delta R.T. 0.13 min

Lab File: BF107219.D

Acq: 7 Jul 2018 20:51

Tgt Ion: 70 Resp: 22461

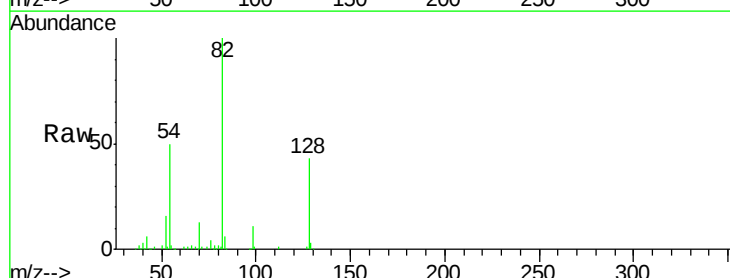
Ion Ratio Lower Upper

70 100

42 44.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

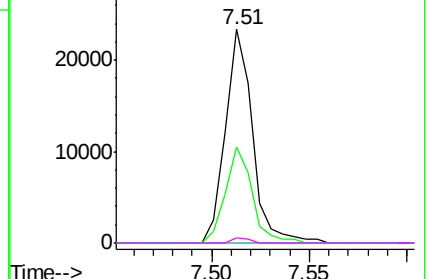
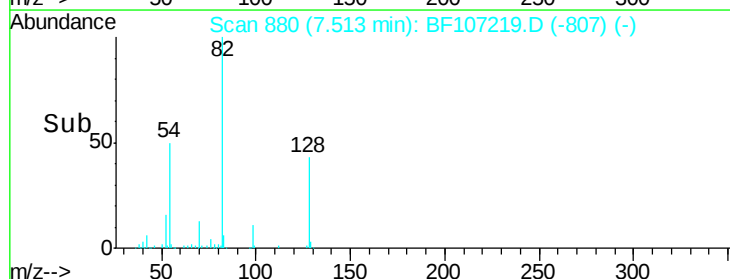


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

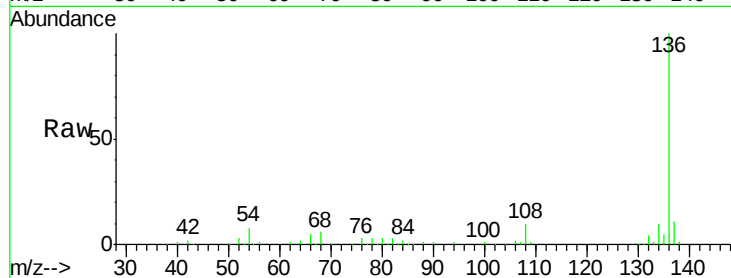




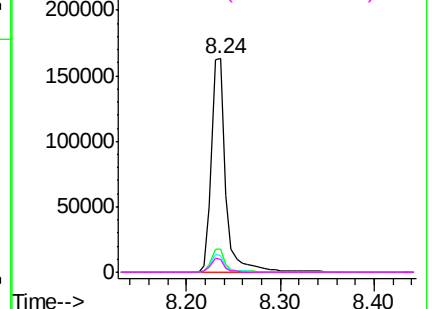
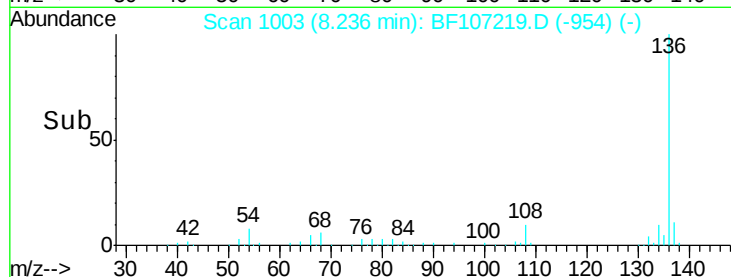
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF107219.D
Acq: 7 Jul 2018 20:51

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-18

Tgt Ion:	136	Resp:	177524
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.6	6.6	9.8
68	6.1	5.0	7.4

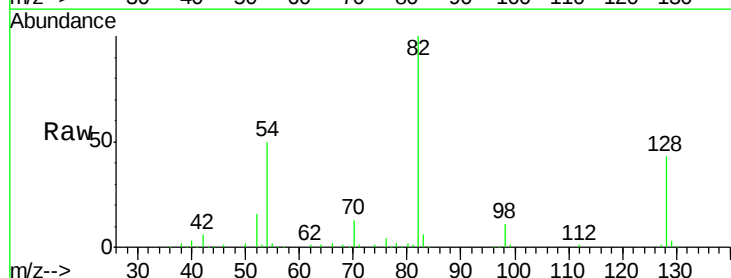


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

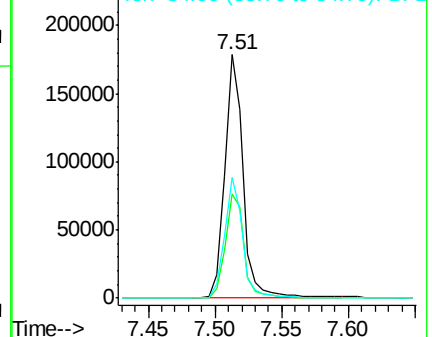
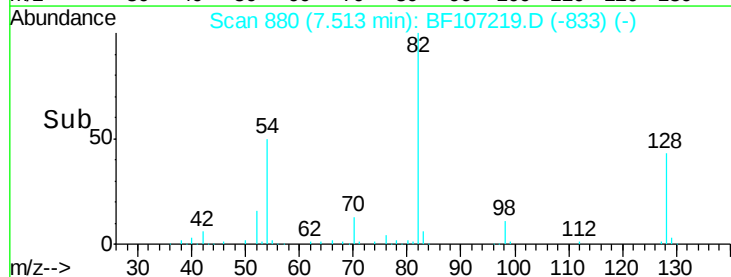


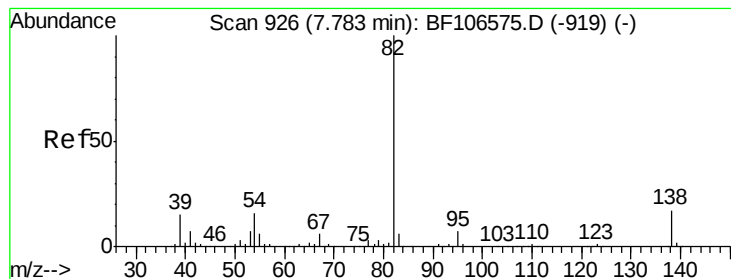
#23
Nitrobenzene-d5
Concen: 54.455 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF107219.D
Acq: 7 Jul 2018 20:51

Tgt Ion:	82	Resp:	173952
Ion	Ratio	Lower	Upper
82	100		
128	42.9	36.1	54.1
54	49.6	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: 30.902 ng

RT: 7.51 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF107219.D

Acq: 7 Jul 2018 20:51

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-18

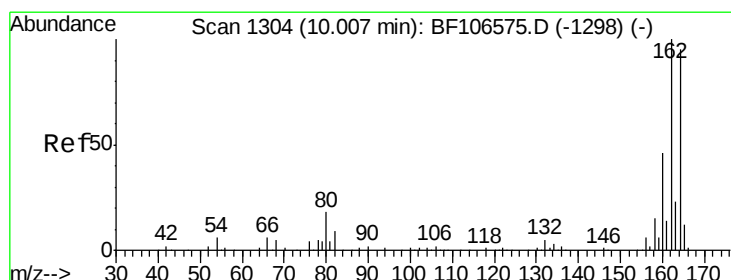
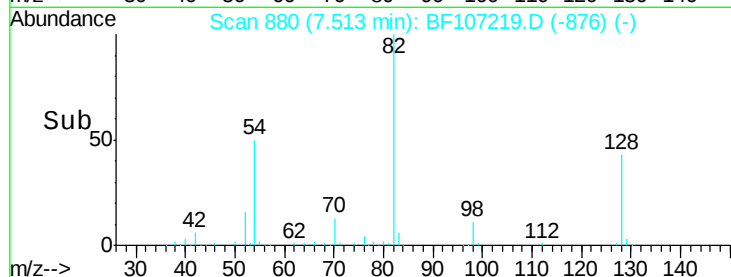
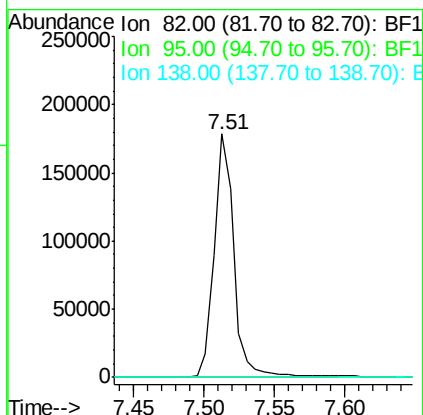
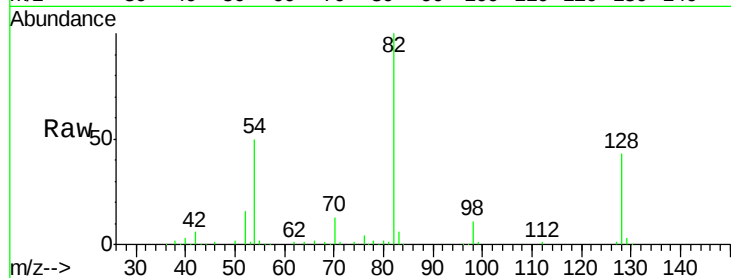
Tgt Ion: 82 Resp: 173949

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.99 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF107219.D

Acq: 7 Jul 2018 20:51

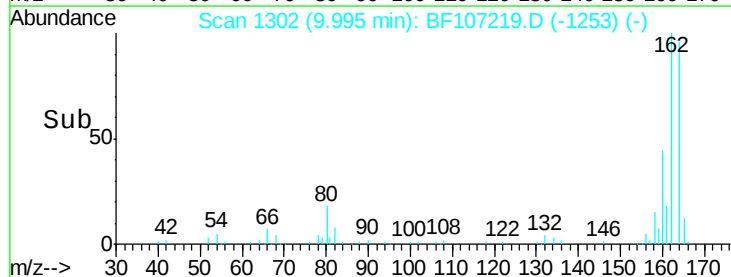
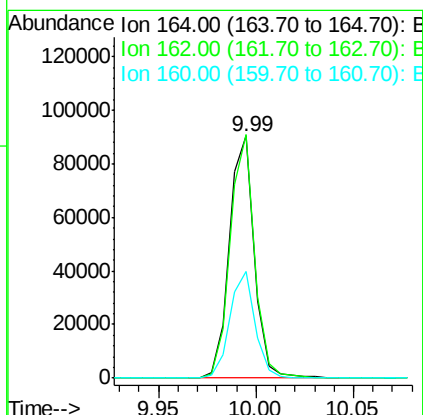
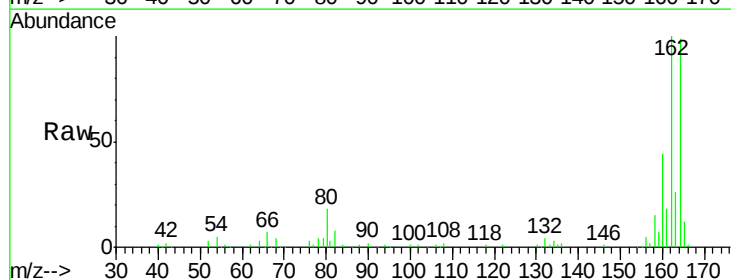
Tgt Ion: 164 Resp: 79730

Ion Ratio Lower Upper

164 100

162 100.7 86.1 129.1

160 44.0 38.3 57.5

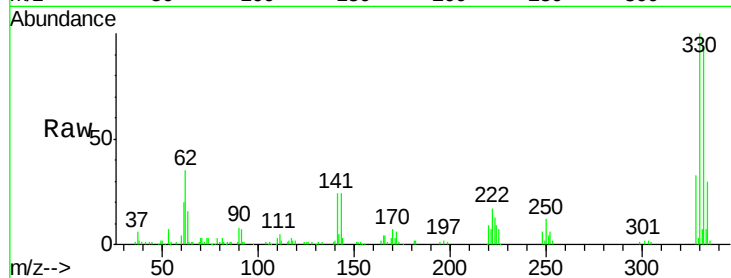




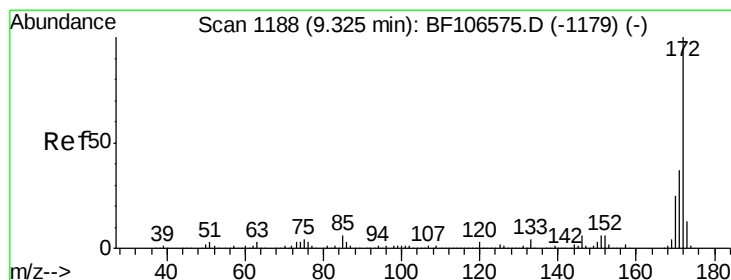
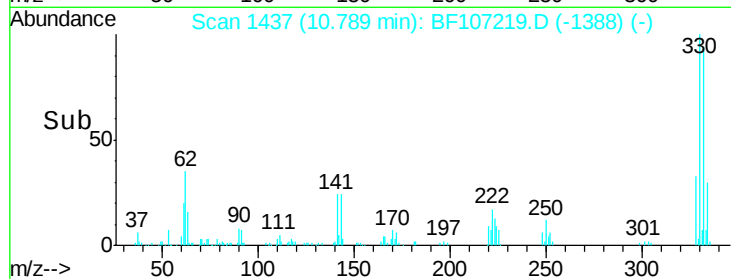
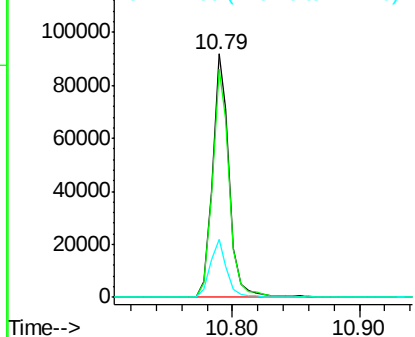
#41
 2,4,6-Tribromophenol
 Concen: 92.305 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107219.D
 Acq: 7 Jul 2018 20:51

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-18

Tgt Ion:330 Resp: 85298
 Ion Ratio Lower Upper
 330 100
 332 94.7 77.0 115.6
 141 23.5 29.9 44.9#

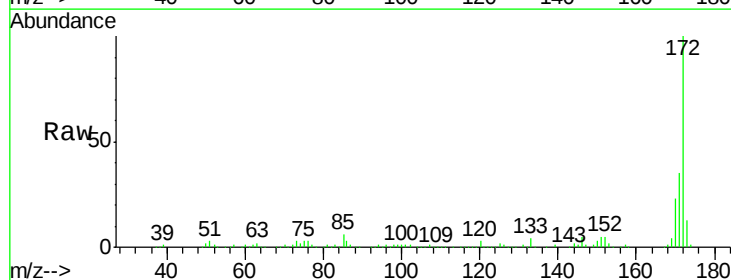


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

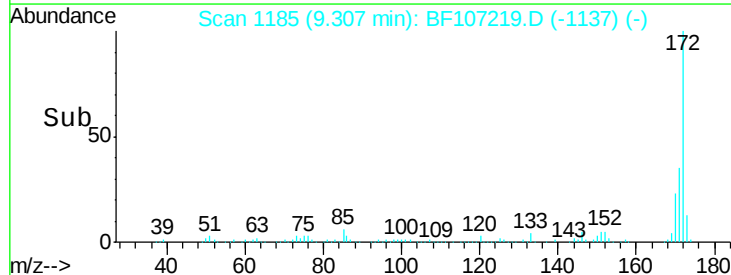
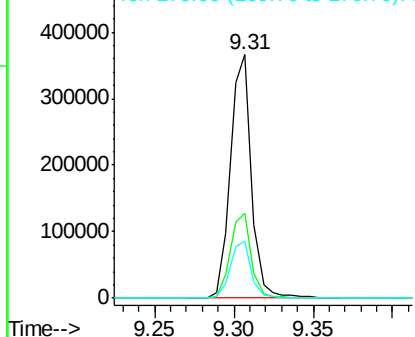


#44
 2-Fluorobiphenyl
 Concen: 68.528 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF107219.D
 Acq: 7 Jul 2018 20:51

Tgt Ion:172 Resp: 336262
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.7 44.5
 170 23.3 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

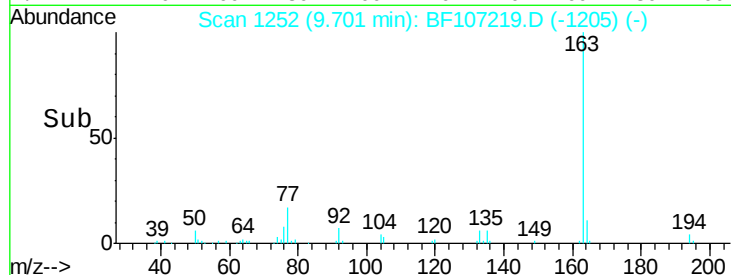
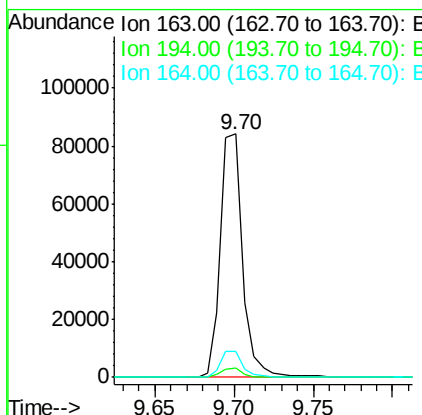
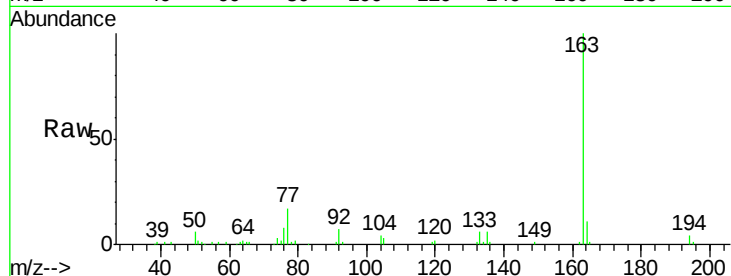




#49
Dimethylphthalate
Concen: 13.676 ng
RT: 9.70 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF107219.D
Acq: 7 Jul 2018 20:51

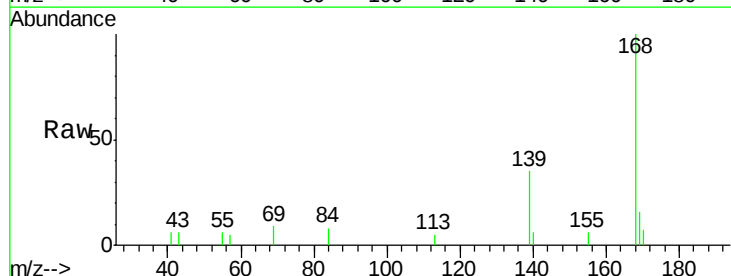
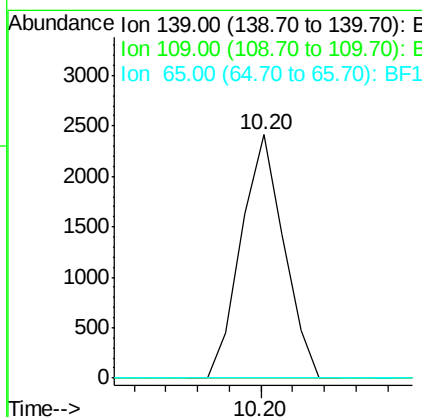
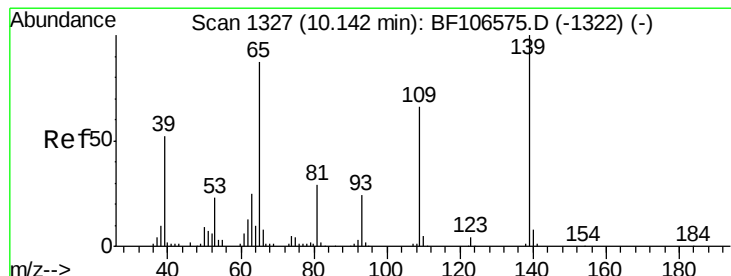
Instrument :
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ClientSampleId :
SURCHARGE-SP-18

Tgt Ion:163 Resp: 81779
Ion Ratio Lower Upper
163 100
194 4.0 2.7 4.1
164 10.7 8.2 12.2



#55
4-Nitrophenol
Concen: 2.216 ng
RT: 10.20 min Scan# 1337
Delta R.T. 0.06 min
Lab File: BF107219.D
Acq: 7 Jul 2018 20:51

Tgt Ion:139 Resp: 2254
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#

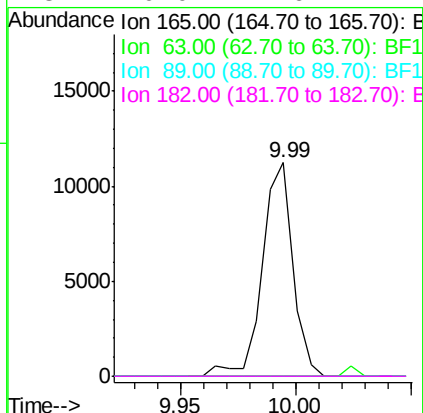
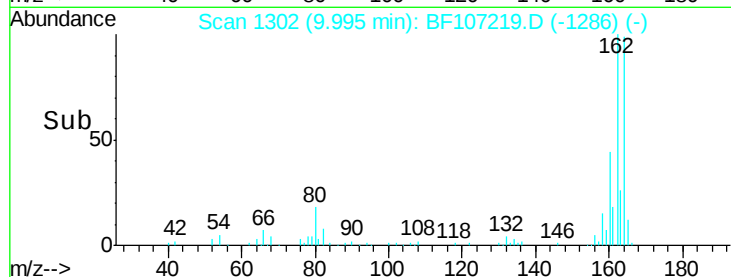
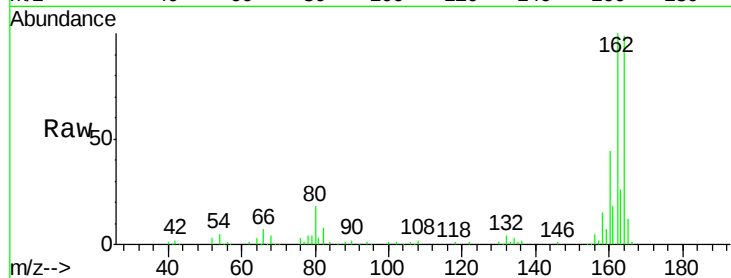




#56
2,4-Dinitrotoluene
Concen: 6.280 ng
RT: 9.99 min Scan# 1302
Delta R.T. -0.21 min
Lab File: BF107219.D
Acq: 7 Jul 2018 20:51

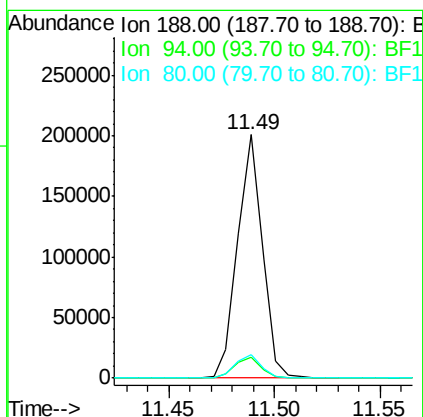
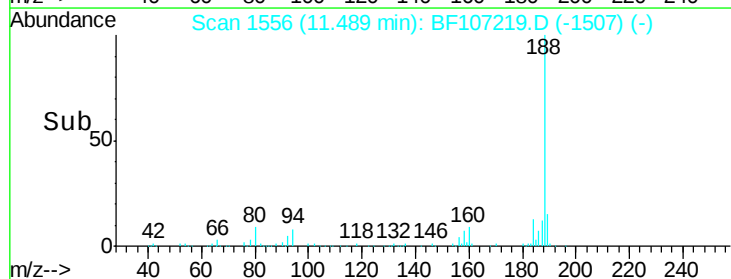
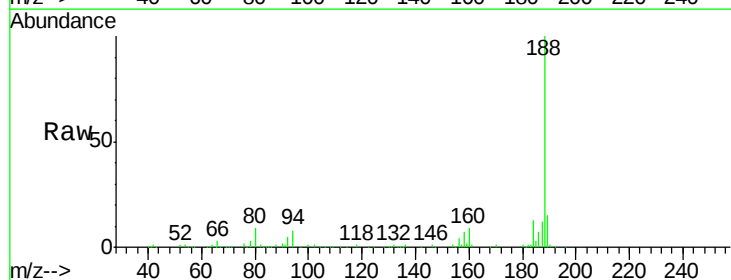
Instrument :
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Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF107219.D
Acq: 7 Jul 2018 20:51

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	8.5	12.7#
80	9.4	9.2	13.8

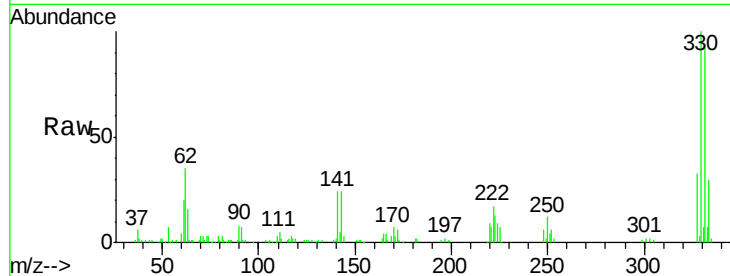




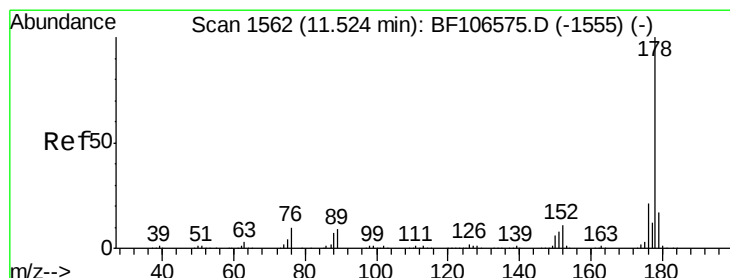
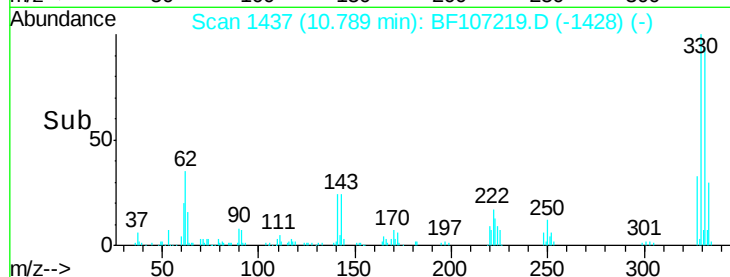
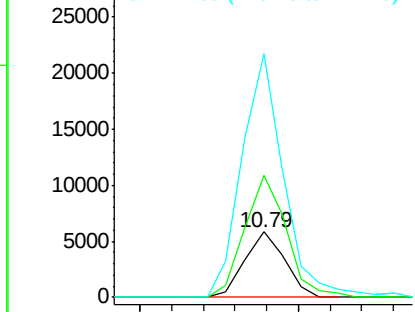
#66
 4-Bromophenyl-phenylether
 Concen: 2.624 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.25 min
 Lab File: BF107219.D
 Acq: 7 Jul 2018 20:51

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-18

Tgt Ion:248 Resp: 5127
 Ion Ratio Lower Upper
 248 100
 250 187.2 76.9 115.3#
 141 372.6 74.4 111.6#

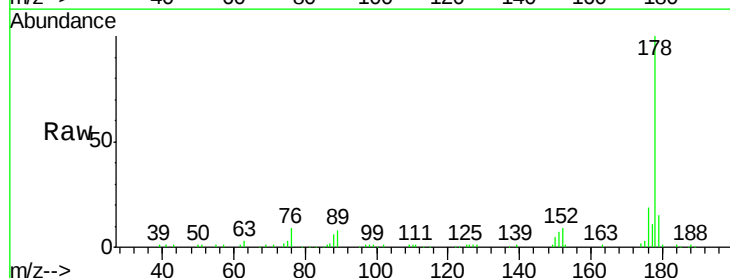


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

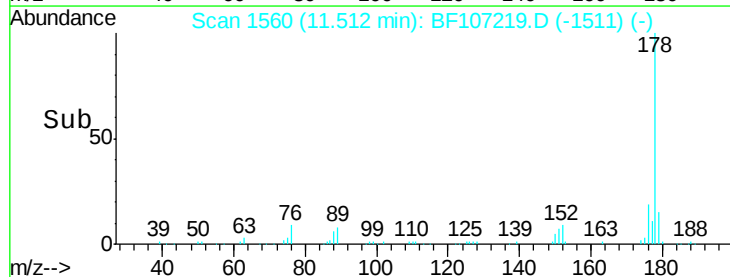
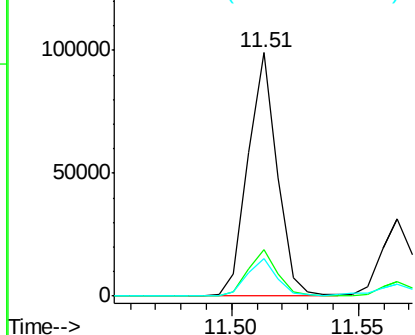


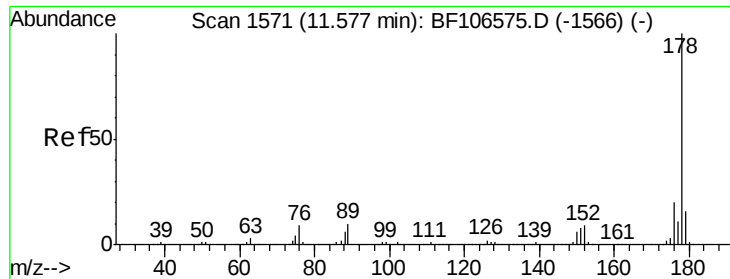
#70
 Phenanthrene
 Concen: 10.110 ng
 RT: 11.51 min Scan# 1560
 Delta R.T. -0.01 min
 Lab File: BF107219.D
 Acq: 7 Jul 2018 20:51

Tgt Ion:178 Resp: 79824
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.8 23.8
 179 15.2 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

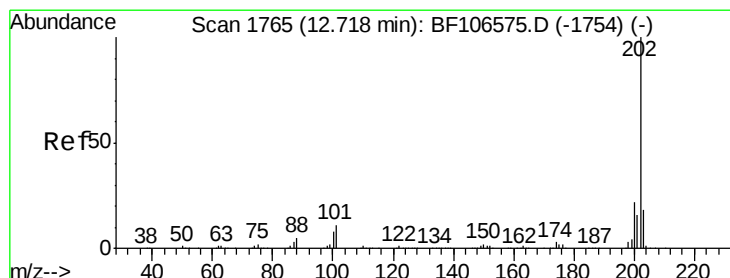
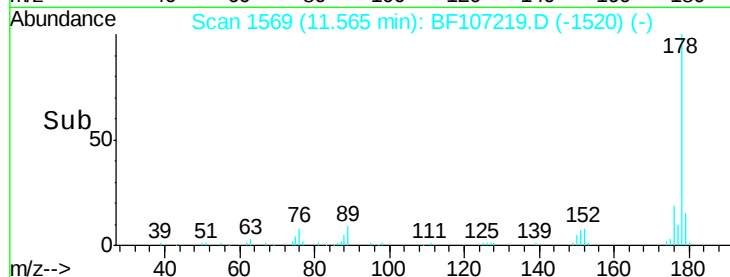
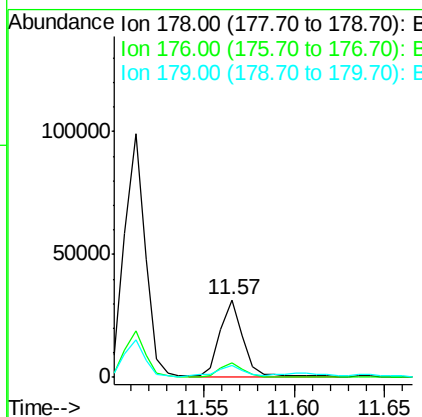
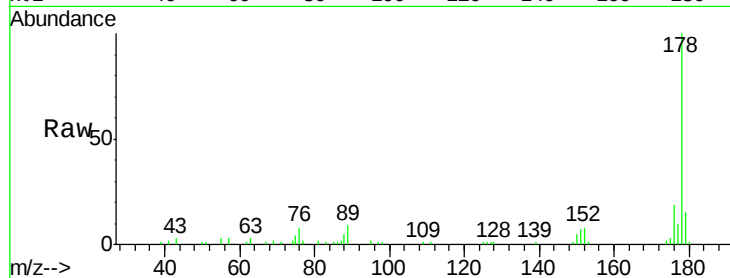




#71
 Anthracene
 Concen: 3.497 ng
 RT: 11.57 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF107219.D
 Acq: 7 Jul 2018 20:51

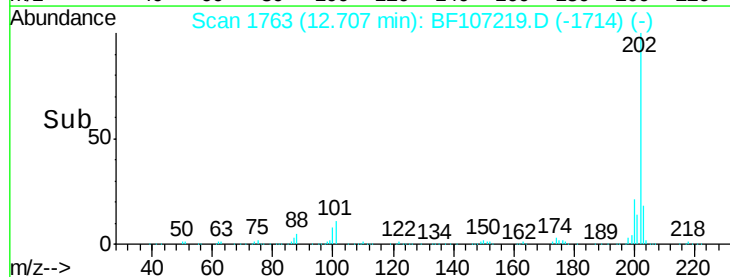
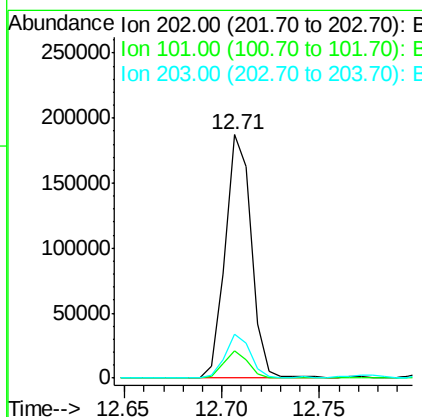
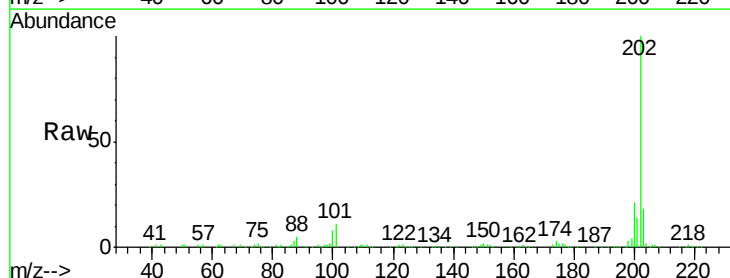
Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-18

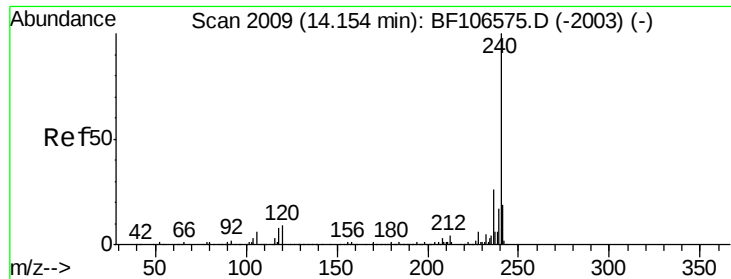
Tgt Ion:178 Resp: 28180
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.4 23.2
 179 14.8 12.6 19.0



#74
 Fluoranthene
 Concen: 20.049 ng
 RT: 12.71 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: BF107219.D
 Acq: 7 Jul 2018 20:51

Tgt Ion:202 Resp: 174476
 Ion Ratio Lower Upper
 202 100
 101 11.2 0.0 34.1
 203 17.8 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.02 min

Lab File: BF107219.D

Acq: 7 Jul 2018 20:51

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-18

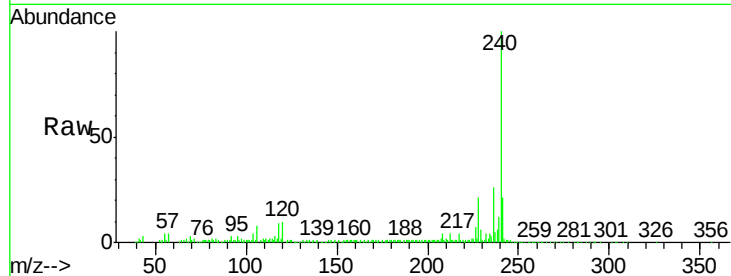
Tgt Ion:240 Resp: 127528

Ion Ratio Lower Upper

240 100

120 10.0 9.5 14.3

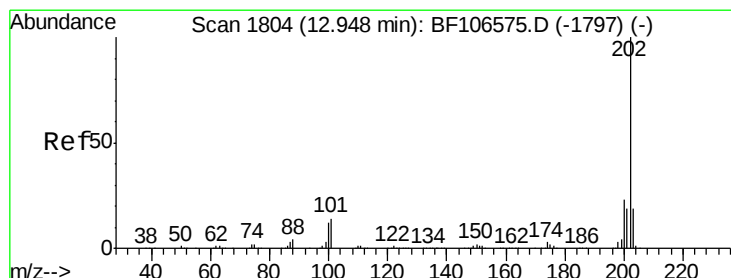
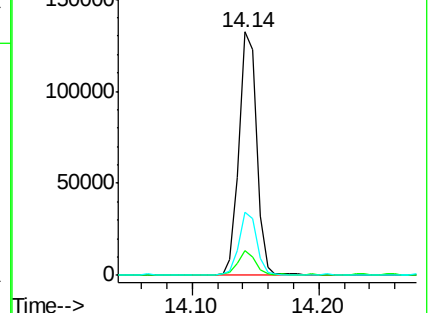
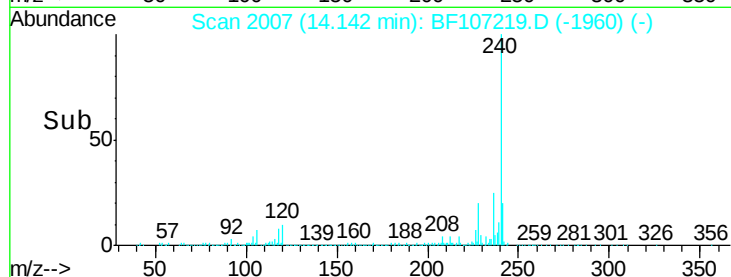
236 25.7 20.7 31.1



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: 18.603 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF107219.D

Acq: 7 Jul 2018 20:51

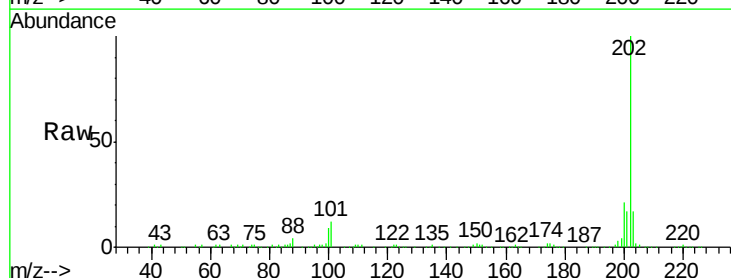
Tgt Ion:202 Resp: 156444

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

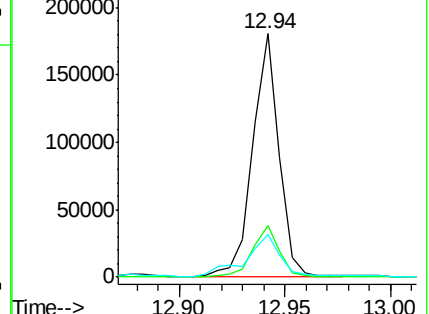
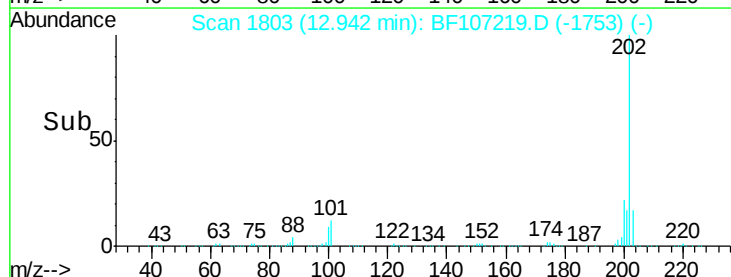
203 17.4 14.3 21.5

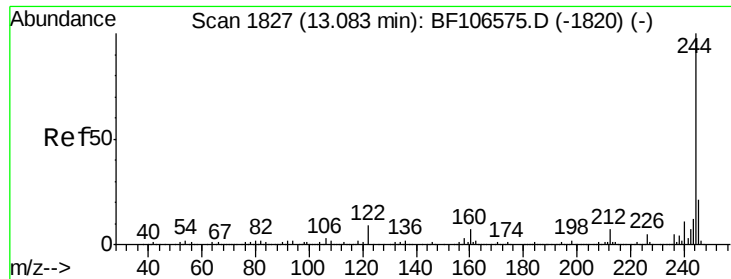


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

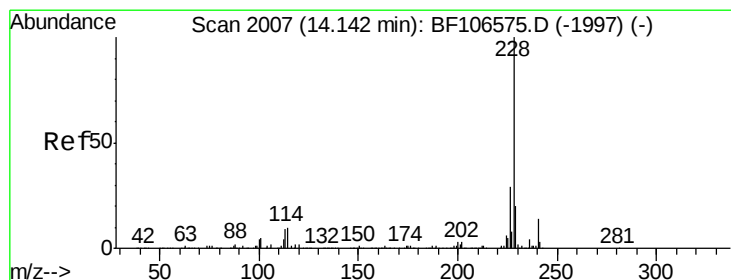
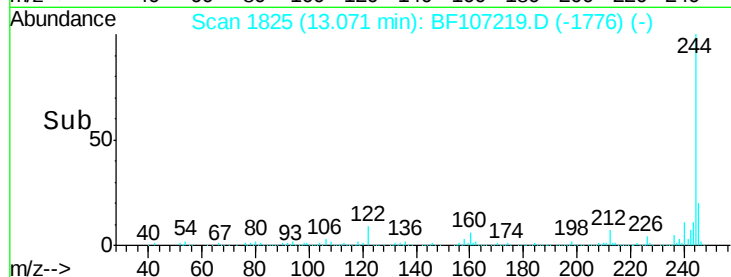
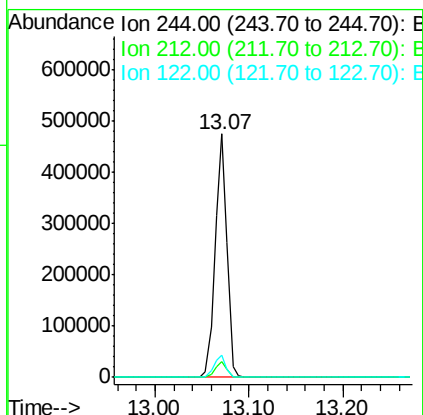
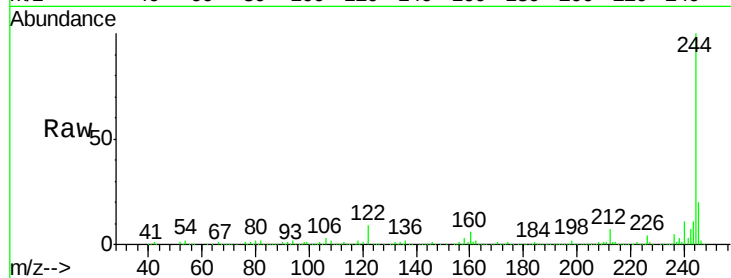




#78
 Terphenyl-d14
 Concen: 79.933 ng
 RT: 13.07 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF107219.D
 Acq: 7 Jul 2018 20:51

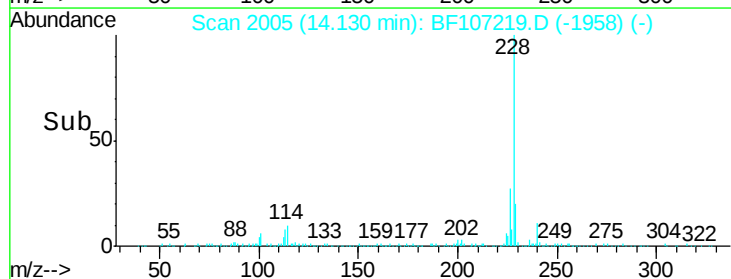
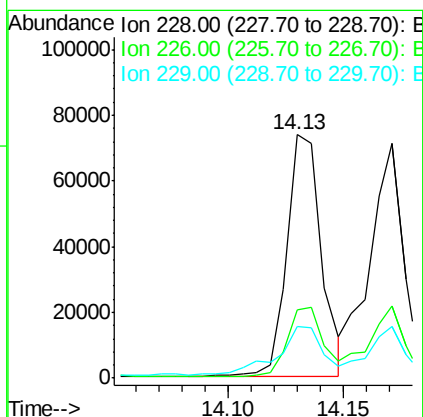
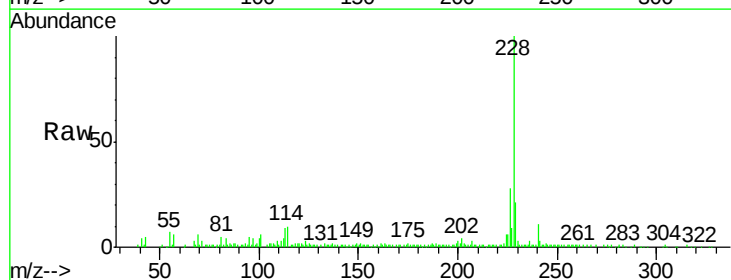
Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-18

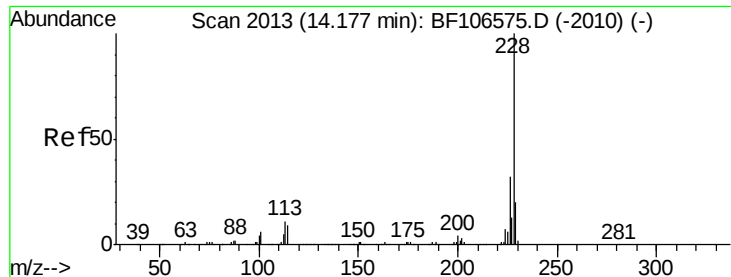
Tgt Ion:244 Resp: 420825
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 8.9 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 9.799 ng
 RT: 14.13 min Scan# 2005
 Delta R.T. -0.02 min
 Lab File: BF107219.D
 Acq: 7 Jul 2018 20:51

Tgt Ion:228 Resp: 76166
 Ion Ratio Lower Upper
 228 100
 226 28.0 22.6 33.8
 229 21.2 15.8 23.6





#82

Chrysene

Concen: 10.062 ng

RT: 14.17 min Scan# 2012

Delta R.T. -0.02 min

Lab File: BF107219.D

Acq: 7 Jul 2018 20:51

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-18

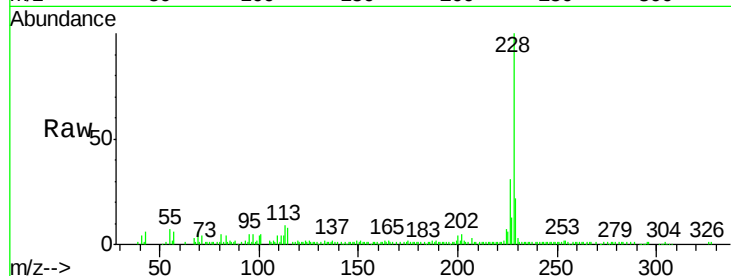
Tgt Ion:228 Resp: 71950

Ion Ratio Lower Upper

228 100

226 30.6 25.0 37.6

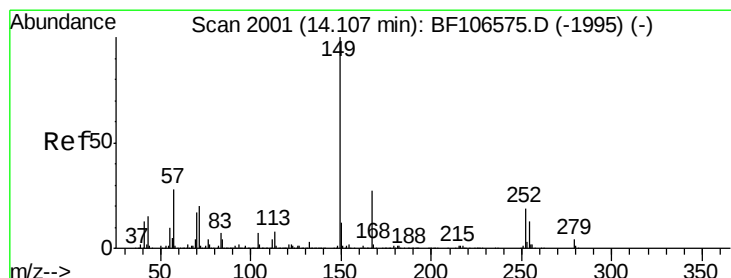
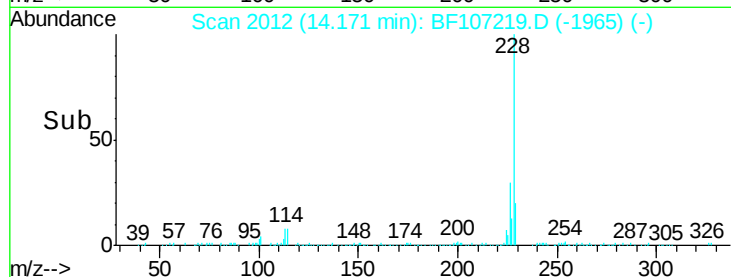
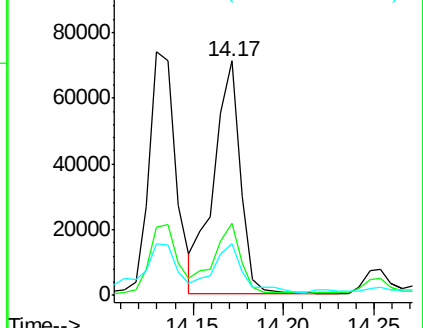
229 22.1 16.2 24.4



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: 2.784 ng

RT: 14.08 min Scan# 1997

Delta R.T. -0.03 min

Lab File: BF107219.D

Acq: 7 Jul 2018 20:51

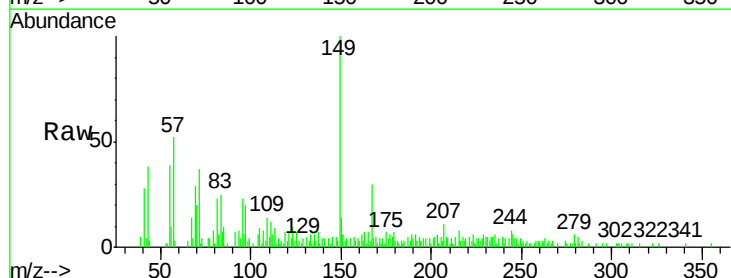
Tgt Ion:149 Resp: 12306

Ion Ratio Lower Upper

149 100

167 29.8 21.3 31.9

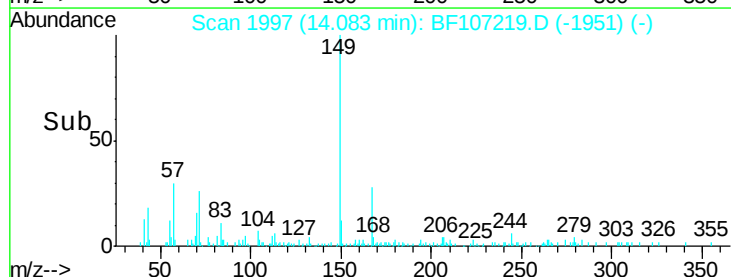
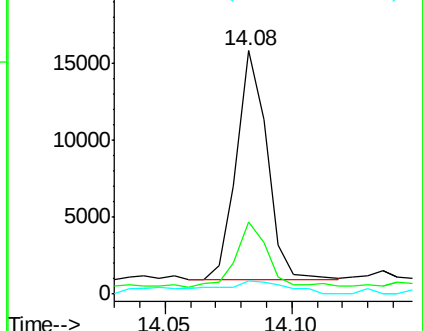
279 5.7 3.0 4.4#

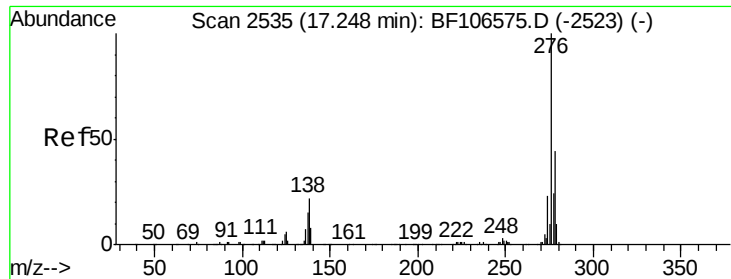


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

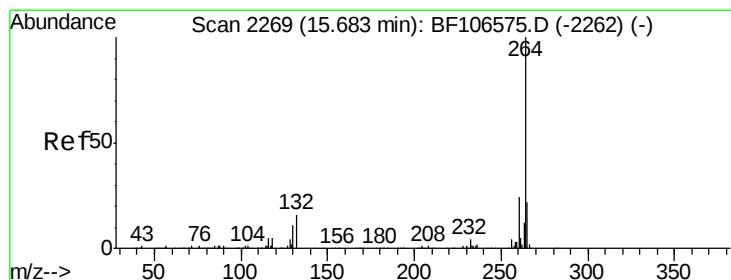
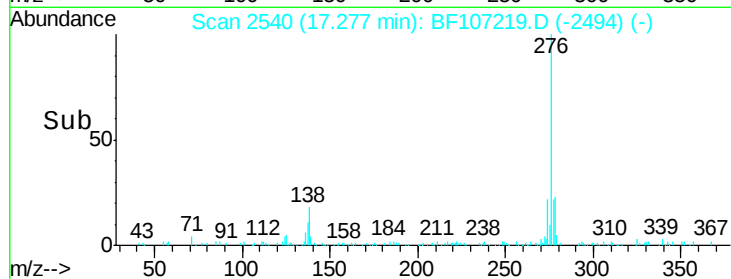
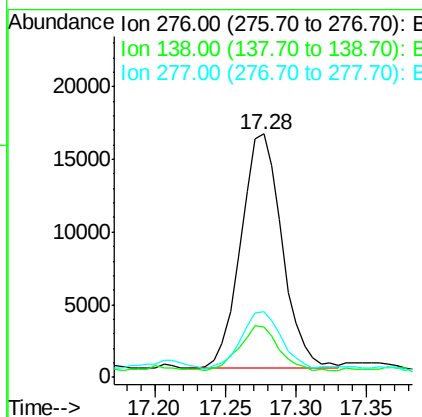
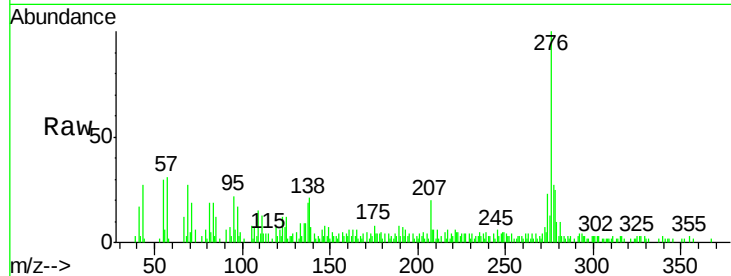




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.434 ng
 RT: 17.28 min Scan# 2540
 Delta R.T. -0.03 min
 Lab File: BF107219.D
 Acq: 7 Jul 2018 20:51

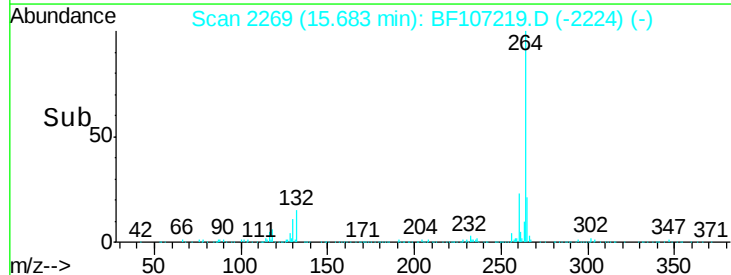
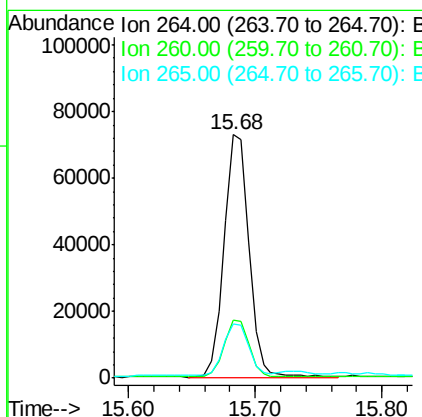
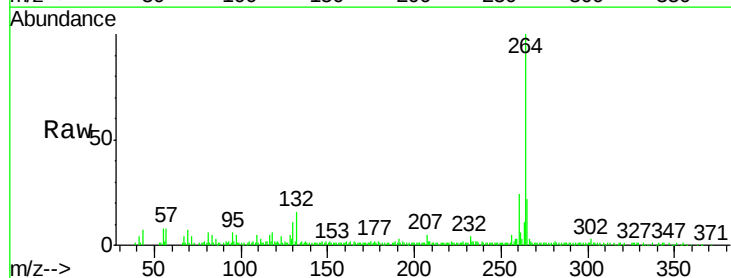
Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-18

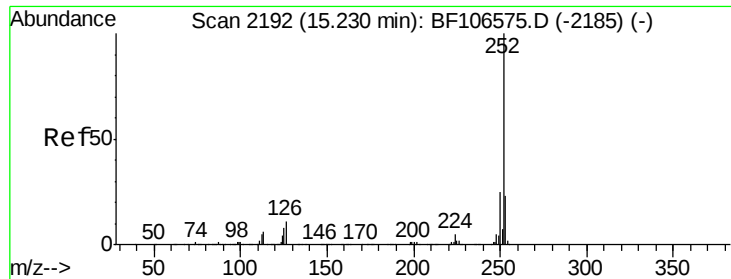
Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.6	25.0	37.6#
277	24.4	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.68 min Scan# 2269
 Delta R.T. -0.04 min
 Lab File: BF107219.D
 Acq: 7 Jul 2018 20:51

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

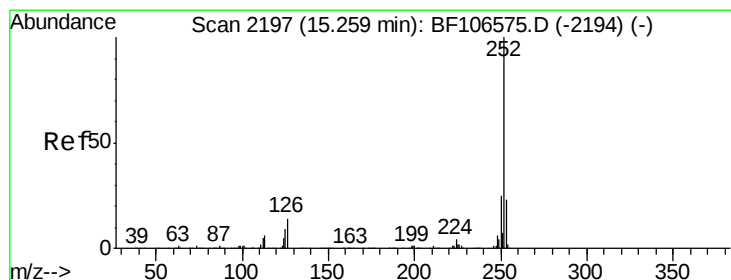
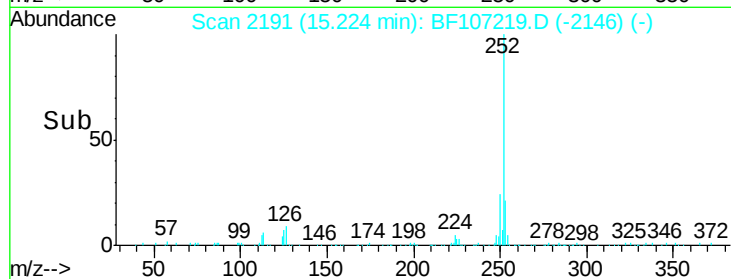
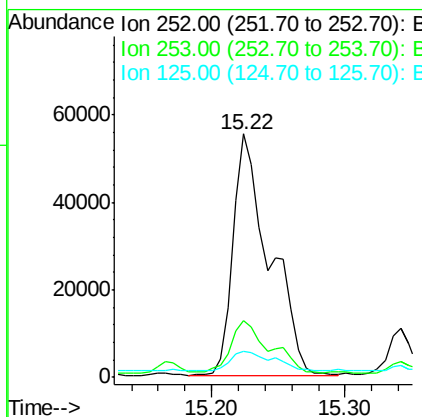
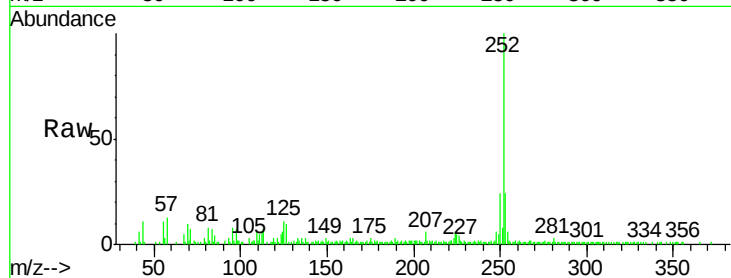




#87
Benzo(b)fluoranthene
Concen: 16.761 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.04 min
Lab File: BF107219.D
Acq: 7 Jul 2018 20:51

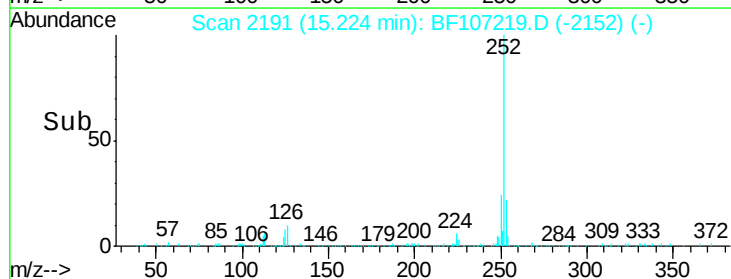
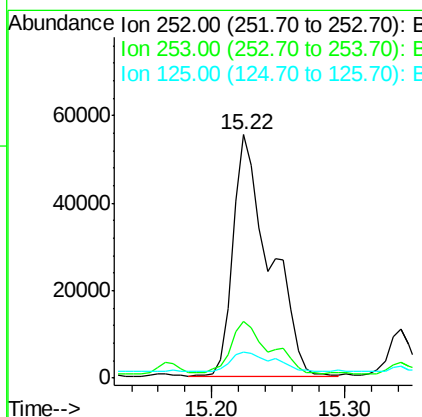
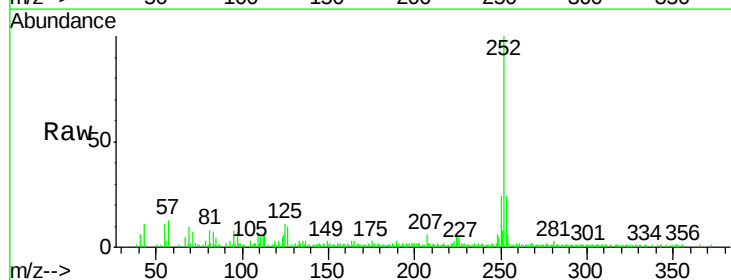
Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-18

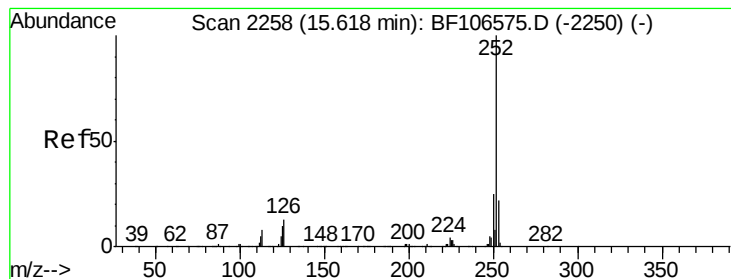
Tgt Ion:252 Resp: 105439
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.6
125 10.9 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 17.600 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.07 min
Lab File: BF107219.D
Acq: 7 Jul 2018 20:51

Tgt Ion:252 Resp: 105439
Ion Ratio Lower Upper
252 100
253 23.5 17.9 26.9
125 10.9 10.2 15.2





#89

Benzo(a)pyrene

Concen: 9.481 ng

RT: 15.62 min Scan# 2258

Delta R.T. -0.04 min

Lab File: BF107219.D

Acq: 7 Jul 2018 20:51

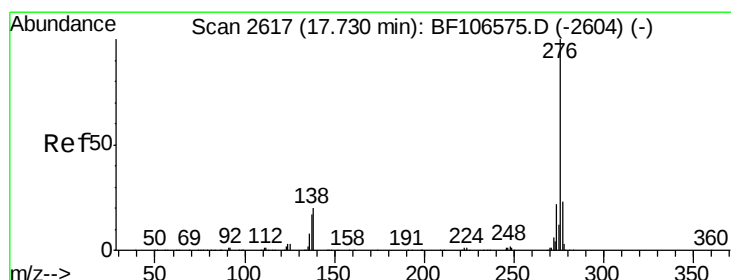
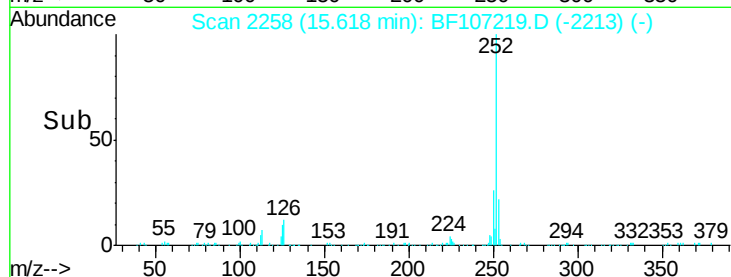
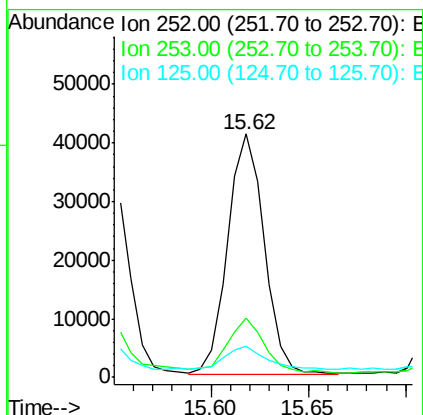
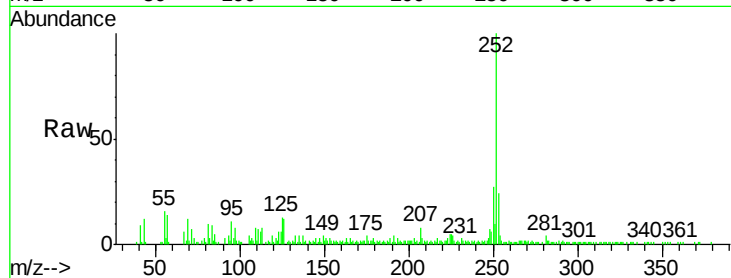
Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-18

Tgt Ion:	252	Resp:	53022
Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.1	25.7
125	12.7	9.8	14.6



#91

Benzo(g,h,i)perylene

Concen: 7.167 ng

RT: 17.77 min Scan# 2623

Delta R.T. -0.02 min

Lab File: BF107219.D

Acq: 7 Jul 2018 20:51

Tgt Ion:	276	Resp:	33202
Ion	Ratio	Lower	Upper
276	100		
277	27.7	17.9	26.9#
138	18.8	21.8	32.8#

