

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070918\
 Data File : BF107239.D
 Acq On : 9 Jul 2018 19:55
 Operator : JU/SJ
 Sample : J3879-11
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-6

Quant Time: Jul 10 01:08:58 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

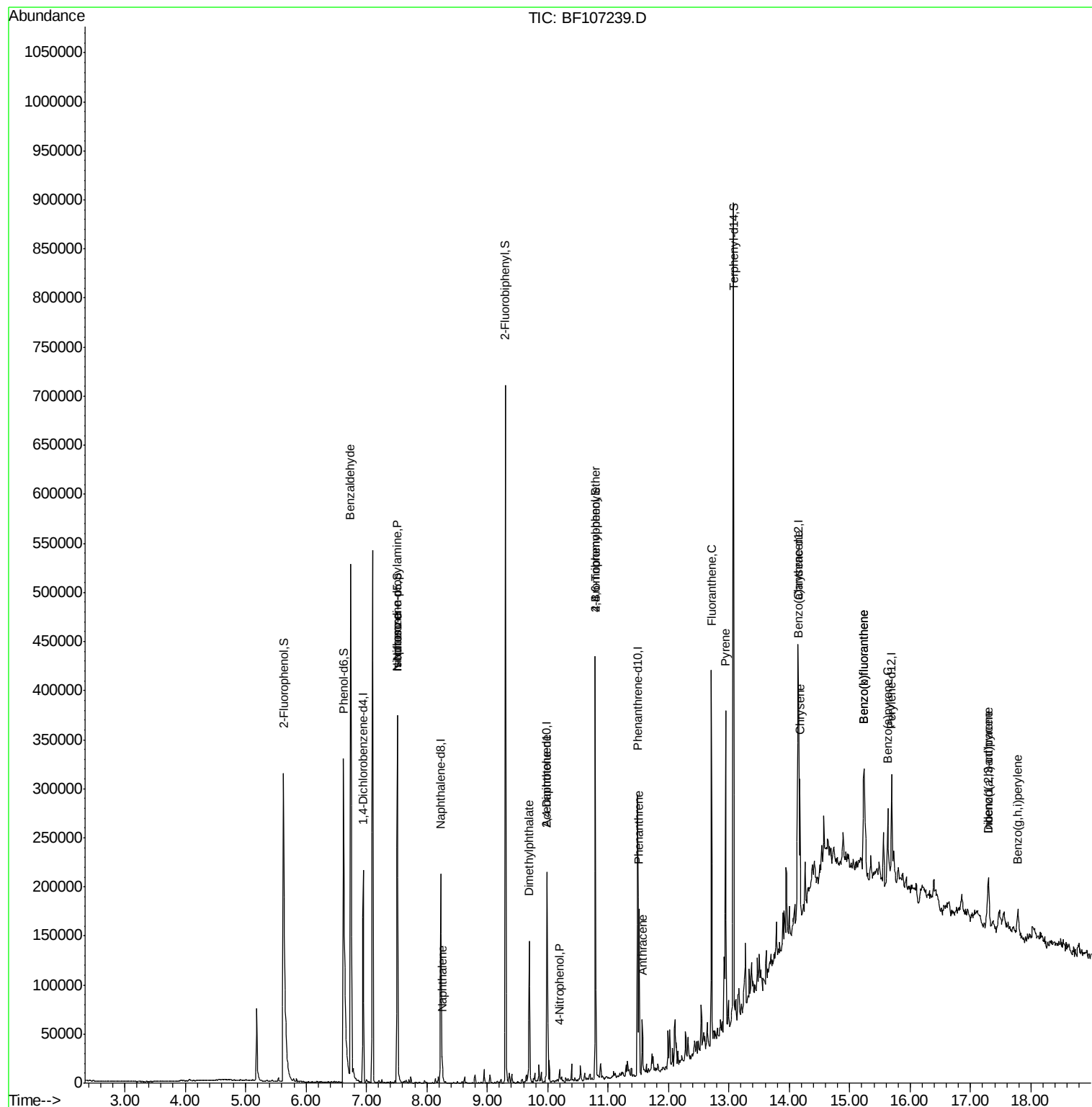
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	30514	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	102009	20.00	ng	-0.02
38) Acenaphthene-d10	9.99	164	46679	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	103738	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	83751	20.00	ng	-0.02
86) Perylene-d12	15.69	264	56984	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	205383	113.97	ng	0.02
7) Phenol-d6	6.62	99	232759	103.43	ng	0.00
23) Nitrobenzene-d5	7.51	82	124372	67.76	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	61898	114.41	ng	-0.01
44) 2-Fluorobiphenyl	9.30	172	230131	83.12	ng	-0.02
78) Terphenyl-d14	13.08	244	332918	96.29	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.74	77	3954	2.095	ng	83
19) n-Nitroso-di-n-propylamine	7.51	70	16096	10.851	ng	# 74
25) Isophorone	7.51	82	124370	38.451	ng	# 64
31) Naphthalene	8.25	128	10121	2.122	ng	97
49) Dimethylphthalate	9.70	163	57458	16.412	ng	98
55) 4-Nitrophenol	10.20	139	1924	3.231	ng	# 9
56) 2,4-Dinitrotoluene	9.99	165	6085	6.288	ng	# 21
66) 4-Bromophenyl-phenylether	10.79	248	3775	3.049	ng	# 1
70) Phenanthrene	11.51	178	62145	12.420	ng	98
71) Anthracene	11.57	178	20714	4.056	ng	99
74) Fluoranthene	12.71	202	150057	27.210	ng	95
77) Pyrene	12.95	202	146478	26.522	ng	100
80) Benzo(a)anthracene	14.14	228	71749	14.056	ng	99
82) Chrysene	14.18	228	63706	13.566	ng	97
85) Indeno(1,2,3-cd)pyrene	17.29	276	28263	7.092	ng	# 84
87) Benzo(b)fluoranthene	15.23	252	85041	24.024	ng	95
88) Benzo(k)fluoranthene	15.23	252	85041	25.228	ng	98
89) Benzo(a)pyrene	15.63	252	42206	13.412	ng	96
90) Dibenzo(a,h)anthracene	17.29	278	8311	3.116	ng	# 84
91) Benzo(g,h,i)perylene	17.78	276	27464	10.536	ng	# 89

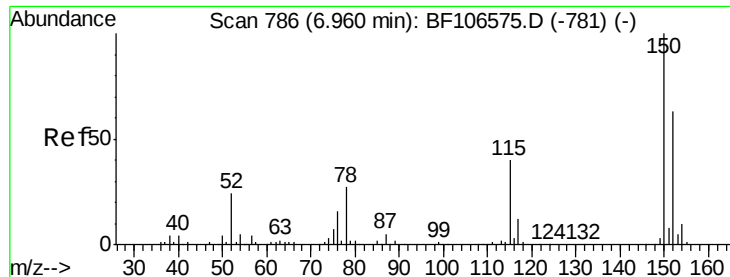
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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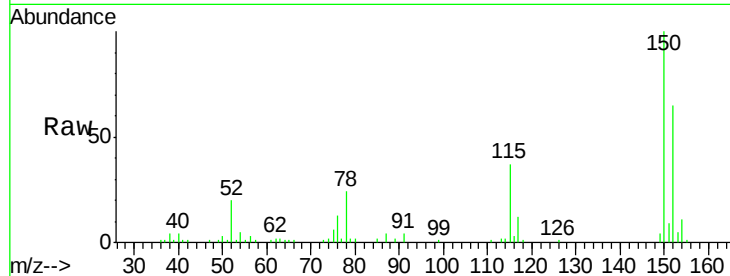




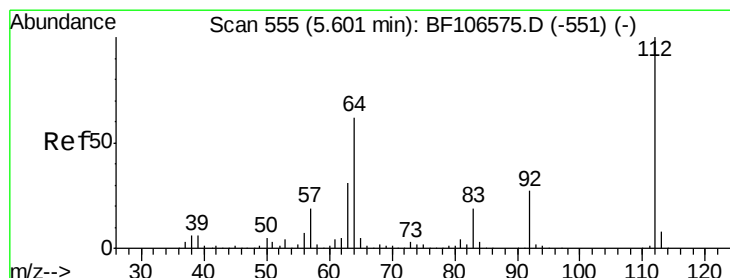
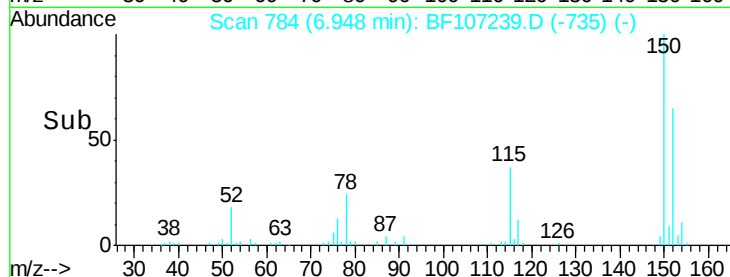
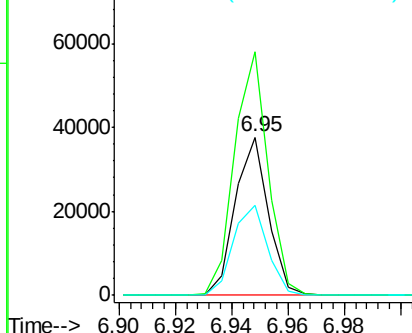
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 784
 Delta R.T. -0.01 min
 Lab File: BF107239.D
 Acq: 9 Jul 2018 19:55

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-6

Tgt Ion:152 Resp: 30514
 Ion Ratio Lower Upper
 152 100
 150 153.7 124.6 186.8
 115 57.1 50.1 75.1

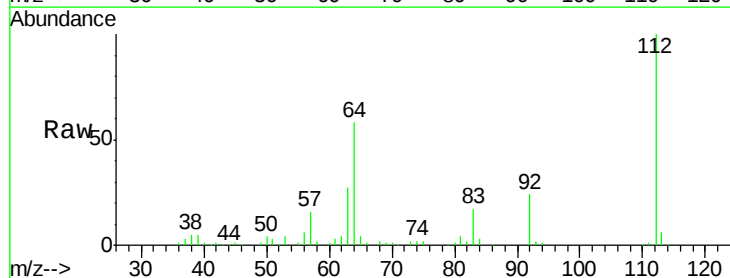


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

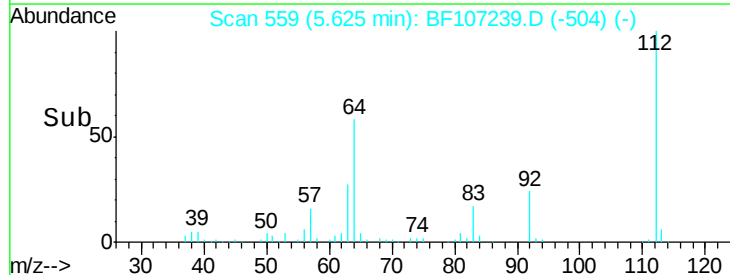
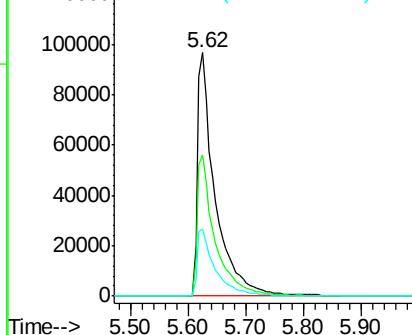


#5
 2-Fluorophenol
 Concen: 113.973 ng
 RT: 5.62 min Scan# 559
 Delta R.T. 0.02 min
 Lab File: BF107239.D
 Acq: 9 Jul 2018 19:55

Tgt Ion:112 Resp: 205383
 Ion Ratio Lower Upper
 112 100
 64 57.9 47.9 71.9
 63 27.3 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: 103.431 ng

RT: 6.62 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF107239.D

Acq: 9 Jul 2018 19:55

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-6

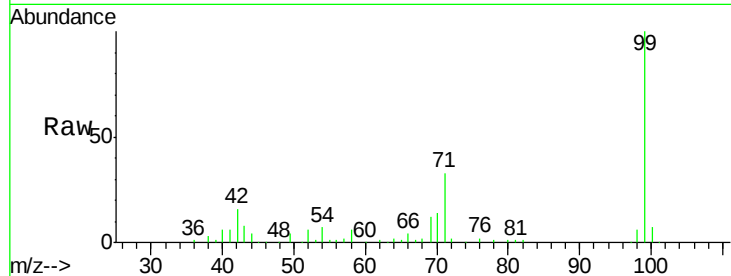
Tgt Ion: 99 Resp: 232759

Ion Ratio Lower Upper

99 100

42 16.3 14.5 21.7

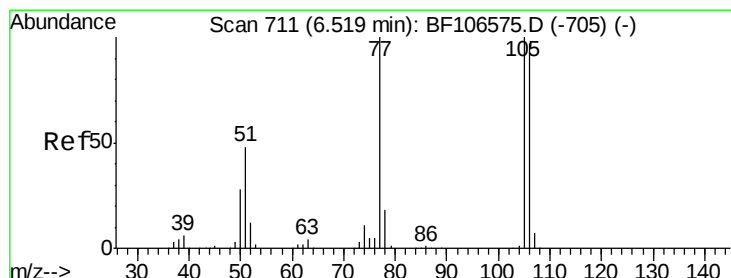
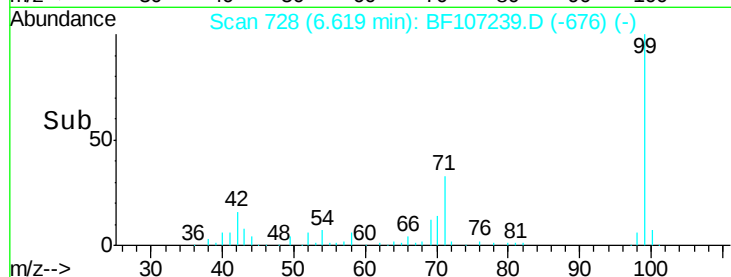
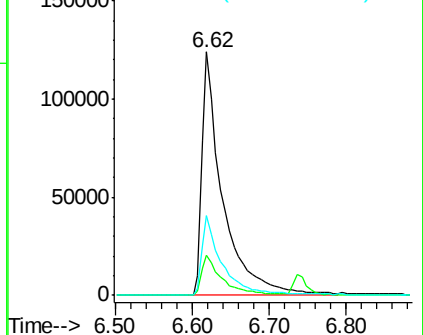
71 32.7 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.095 ng

RT: 6.74 min Scan# 748

Delta R.T. 0.22 min

Lab File: BF107239.D

Acq: 9 Jul 2018 19:55

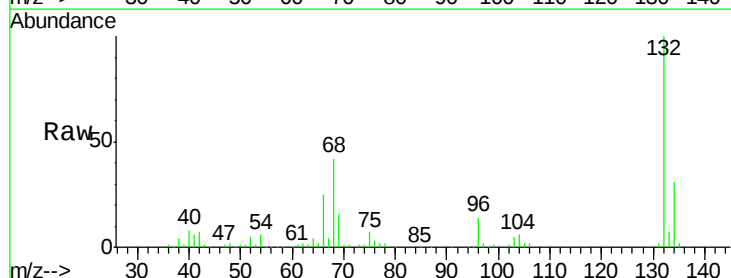
Tgt Ion: 77 Resp: 3954

Ion Ratio Lower Upper

77 100

105 81.8 81.1 121.1

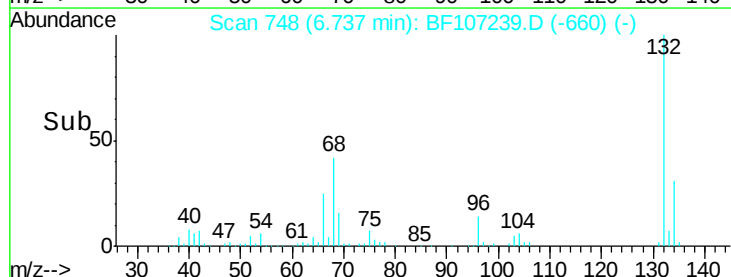
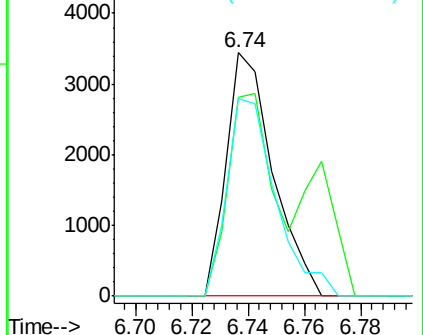
106 80.9 74.5 114.5

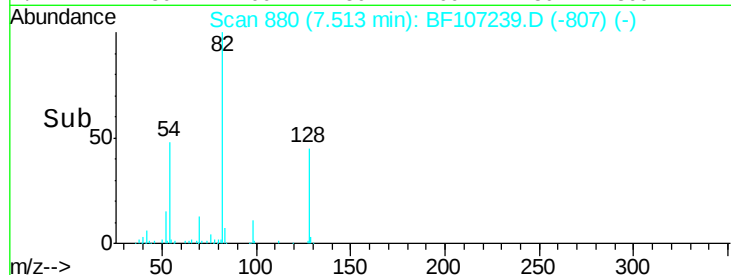
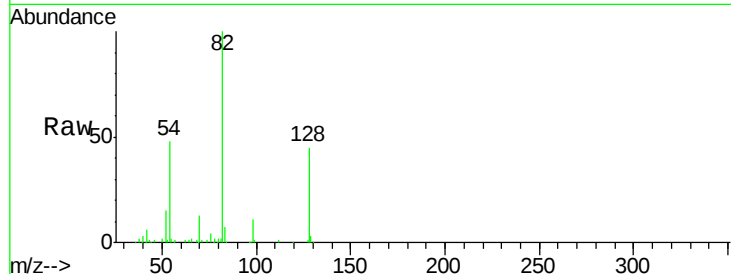
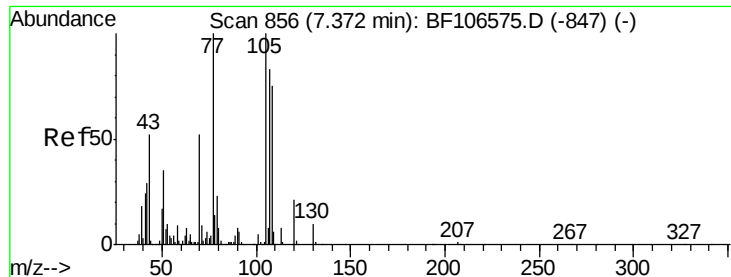


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

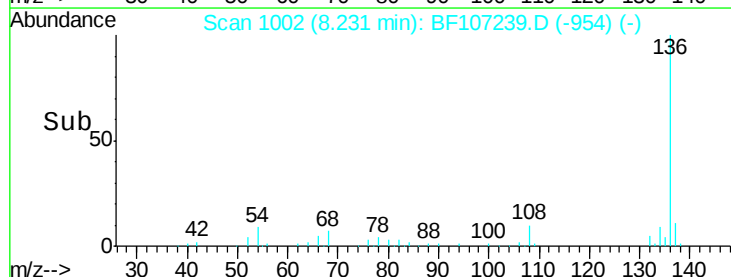
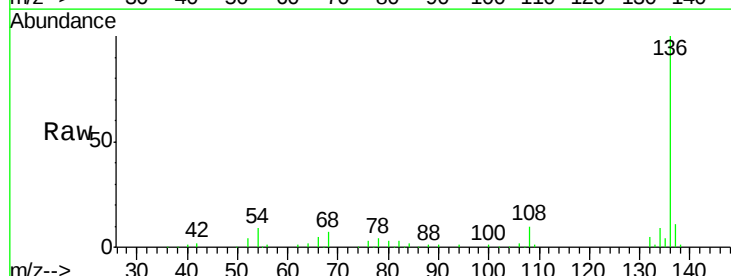
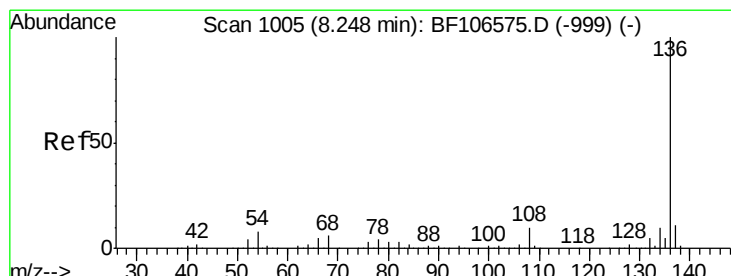
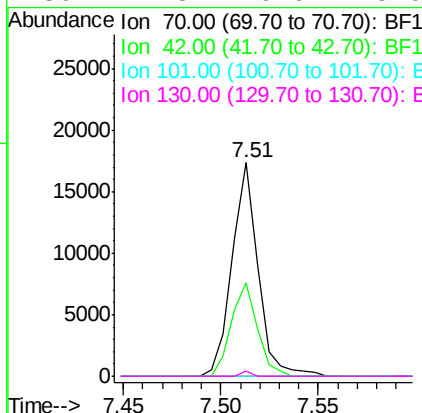




#19
n-Nitroso-di-n-propylamine
Concen: 10.851 ng
RT: 7.51 min Scan# 880
Delta R.T. 0.13 min
Lab File: BF107239.D
Acq: 9 Jul 2018 19:55

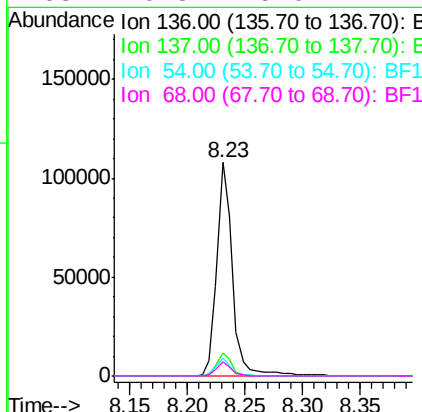
Instrument :
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SURCHARGE-SP-6

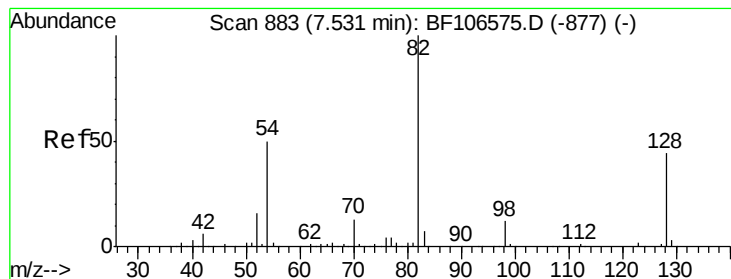
Tgt Ion: 70 Resp: 16096
Ion Ratio Lower Upper
70 100
42 43.9 47.5 71.3#
101 0.0 7.4 11.2#
130 2.3 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1002
Delta R.T. -0.02 min
Lab File: BF107239.D
Acq: 9 Jul 2018 19:55

Tgt Ion: 136 Resp: 102009
Ion Ratio Lower Upper
136 100
137 10.5 8.9 13.3
54 8.6 6.6 9.8
68 6.8 5.0 7.4





#23

Nitrobenzene-d5

Concen: 67.757 ng

RT: 7.51 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF107239.D

Acq: 9 Jul 2018 19:55

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-6

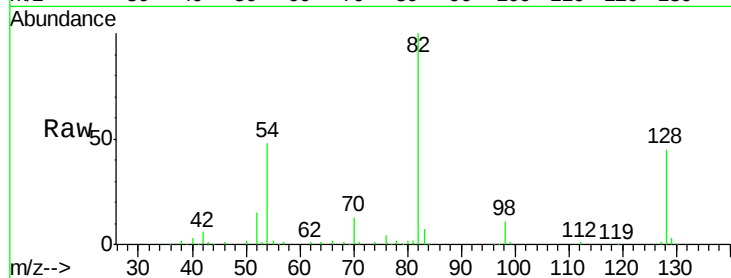
Tgt Ion: 82 Resp: 124372

Ion Ratio Lower Upper

82 100

128 45.0 36.1 54.1

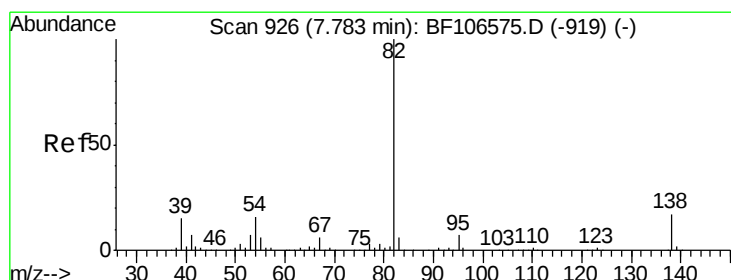
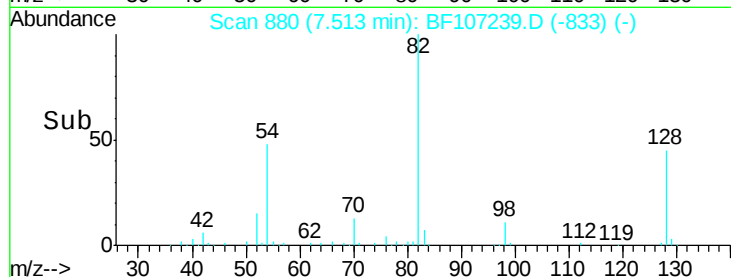
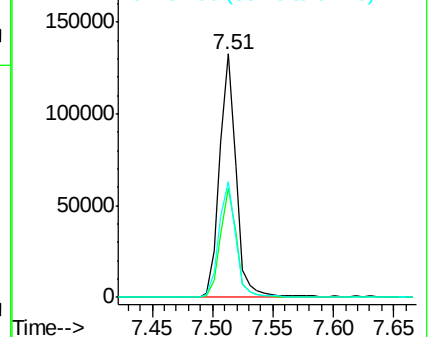
54 47.7 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 38.451 ng

RT: 7.51 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF107239.D

Acq: 9 Jul 2018 19:55

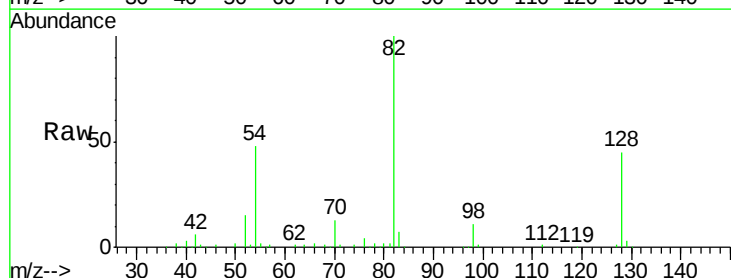
Tgt Ion: 82 Resp: 124370

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

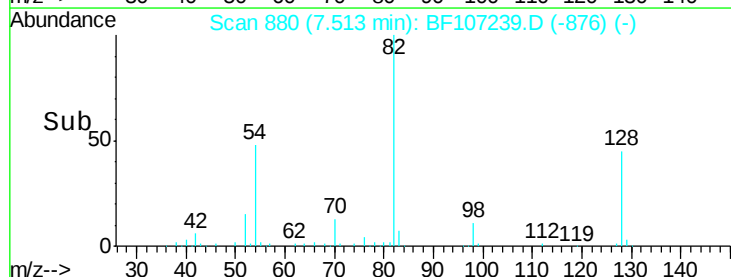
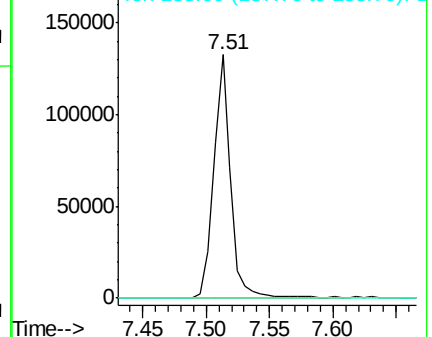
138 0.0 14.9 22.3#

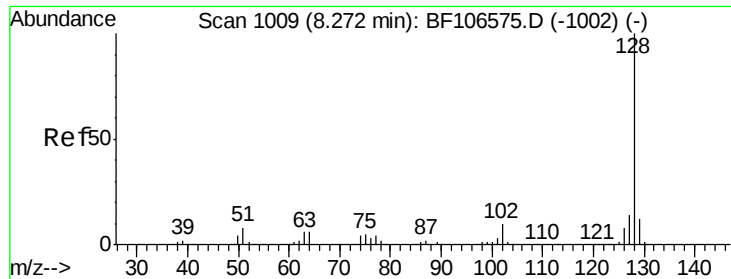


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

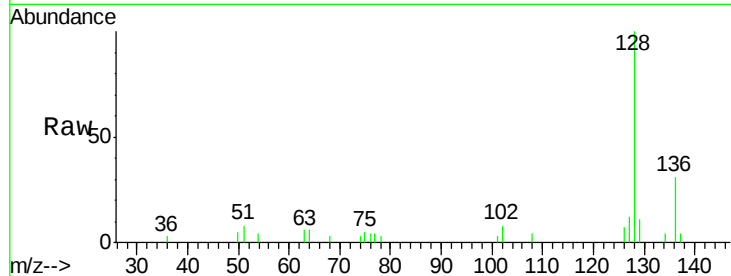




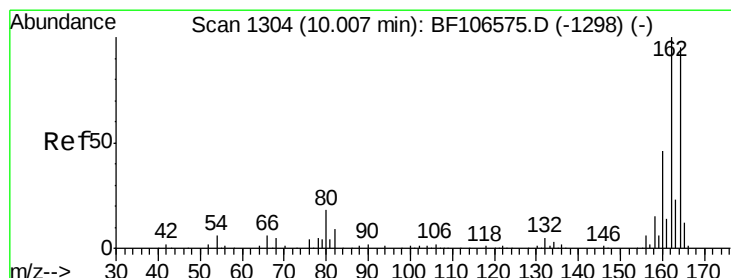
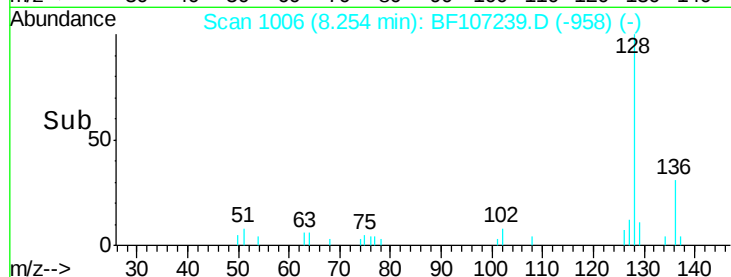
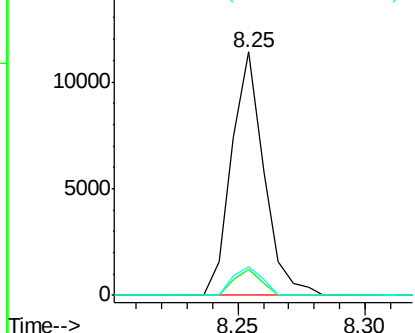
#31
Naphthalene
Concen: 2.122 ng
RT: 8.25 min Scan# 1006
Delta R.T. -0.02 min
Lab File: BF107239.D
Acq: 9 Jul 2018 19:55

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Tgt Ion:128 Resp: 10121
Ion Ratio Lower Upper
128 100
129 10.7 8.8 13.2
127 11.8 10.9 16.3

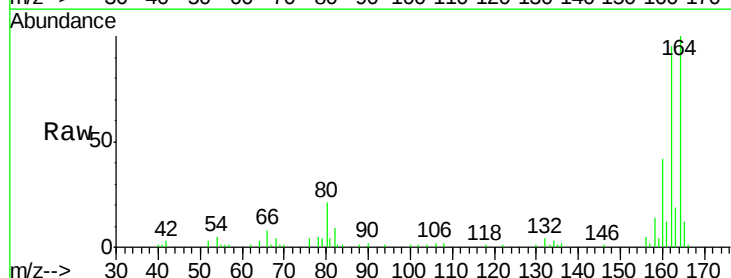


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

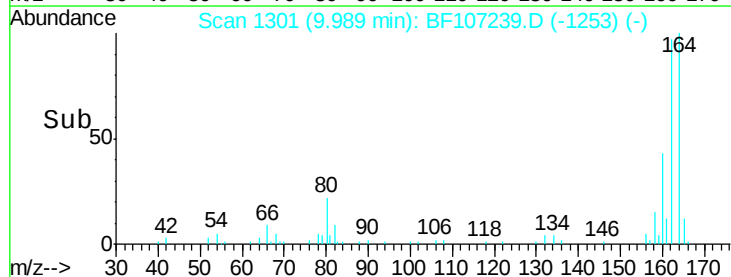
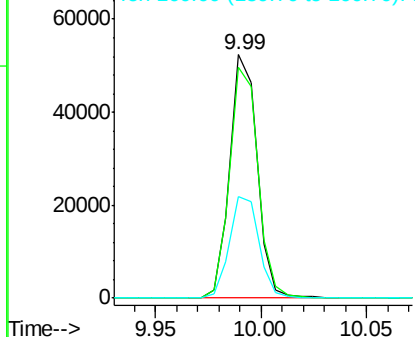


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BF107239.D
Acq: 9 Jul 2018 19:55

Tgt Ion:164 Resp: 46679
Ion Ratio Lower Upper
164 100
162 94.9 86.1 129.1
160 41.8 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

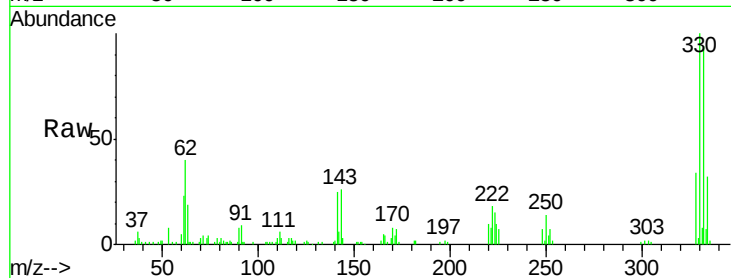




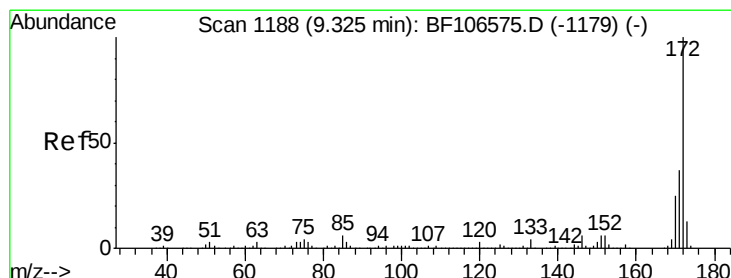
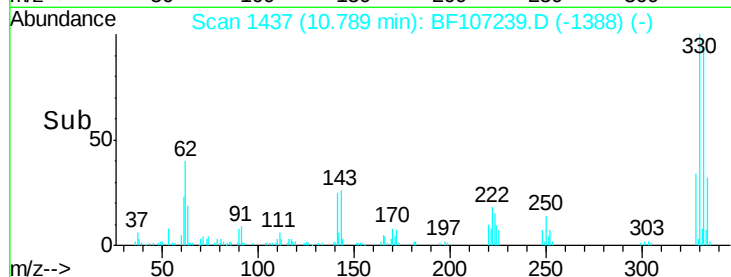
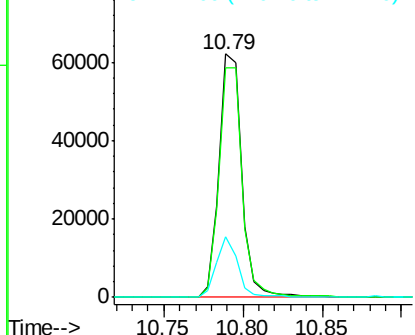
#41
 2,4,6-Tribromophenol
 Concen: 114.409 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107239.D
 Acq: 9 Jul 2018 19:55

Instrument :
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Tgt Ion: 330 Resp: 61898
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.0 115.6
 141 23.6 29.9 44.9#

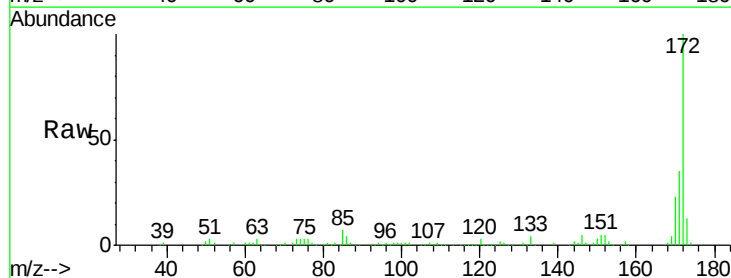


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

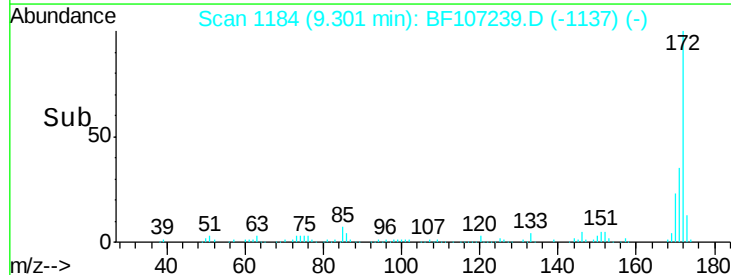
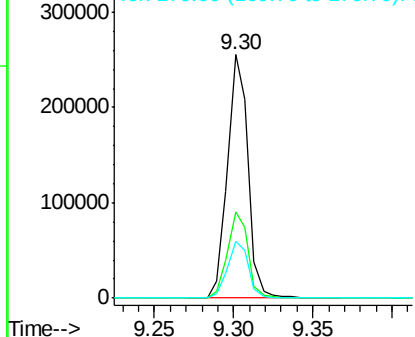


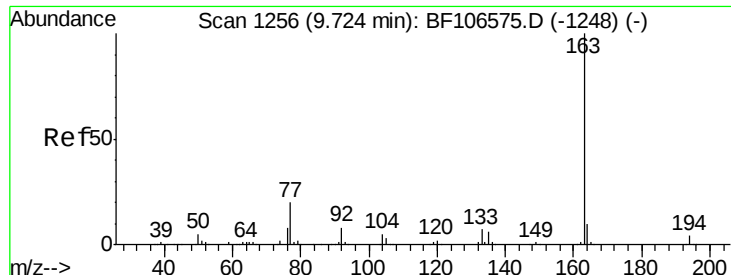
#44
 2-Fluorobiphenyl
 Concen: 83.122 ng
 RT: 9.30 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF107239.D
 Acq: 9 Jul 2018 19:55

Tgt Ion: 172 Resp: 230131
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.7 44.5
 170 23.1 19.6 29.4



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

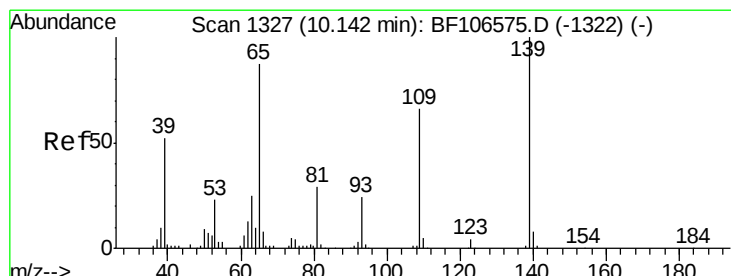
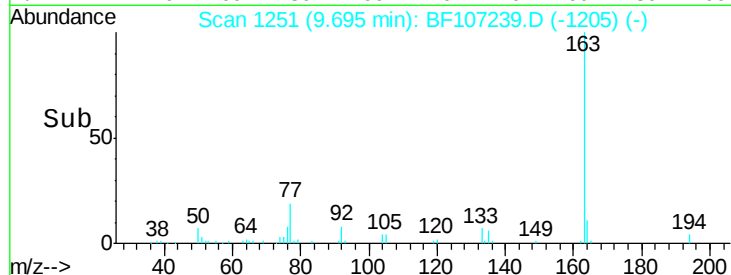
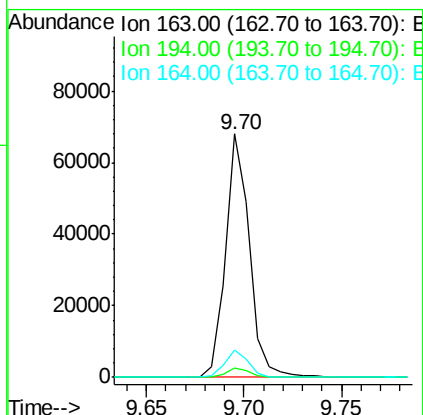
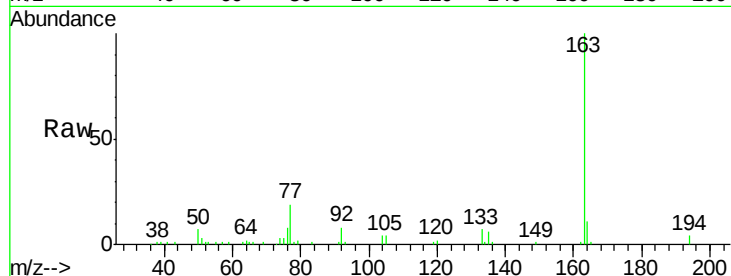




#49
Dimethylphthalate
Concen: 16.412 ng
RT: 9.70 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF107239.D
Acq: 9 Jul 2018 19:55

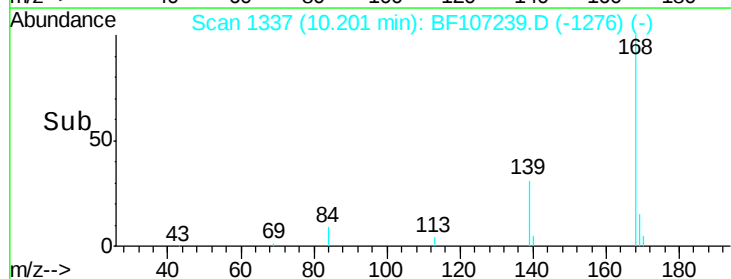
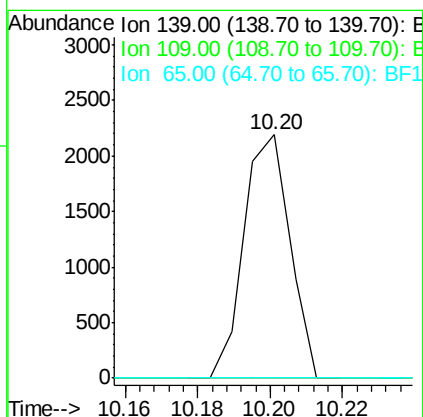
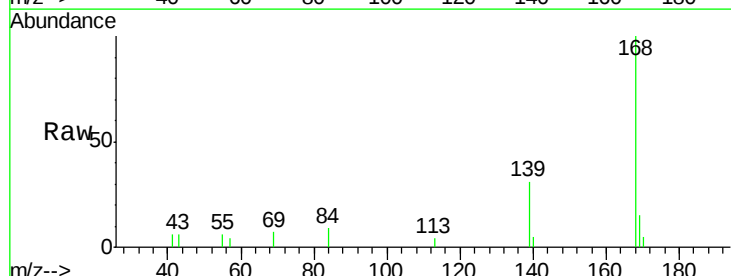
Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-6

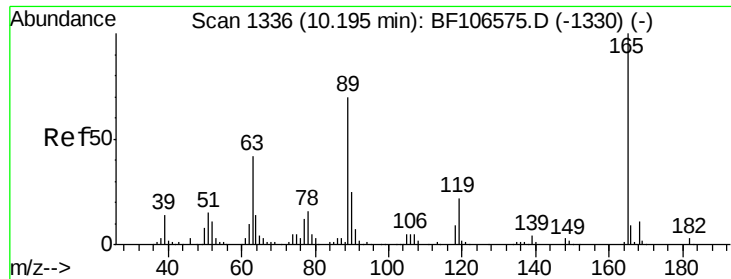
Tgt Ion:163 Resp: 57458
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 11.1 8.2 12.2



#55
4-Nitrophenol
Concen: 3.231 ng
RT: 10.20 min Scan# 1337
Delta R.T. 0.06 min
Lab File: BF107239.D
Acq: 9 Jul 2018 19:55

Tgt Ion:139 Resp: 1924
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#

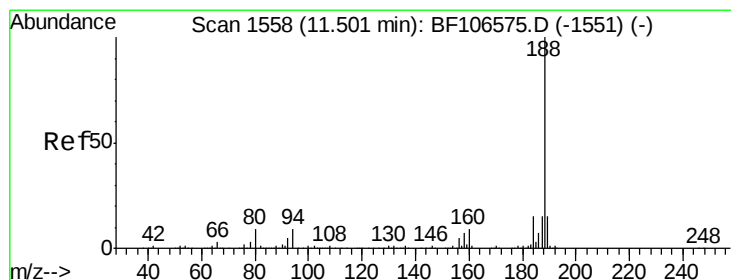
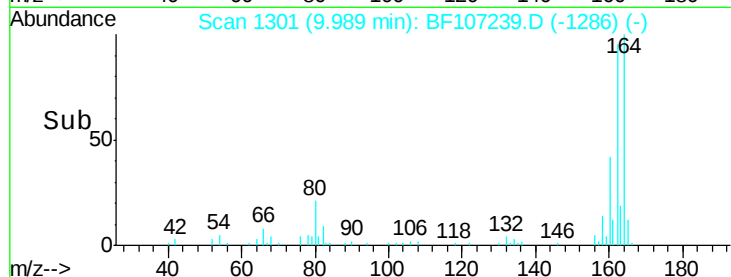
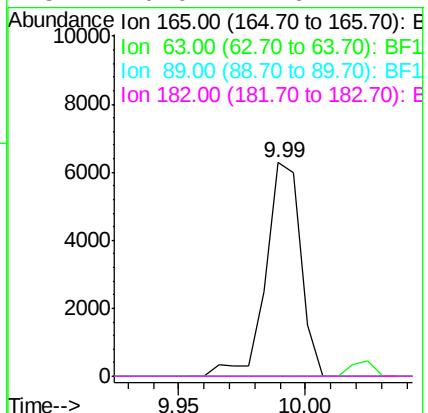
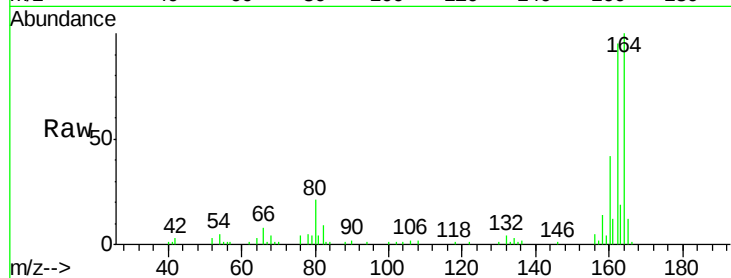




#56
2,4-Dinitrotoluene
Concen: 6.288 ng
RT: 9.99 min Scan# 1301
Delta R.T. -0.21 min
Lab File: BF107239.D
Acq: 9 Jul 2018 19:55

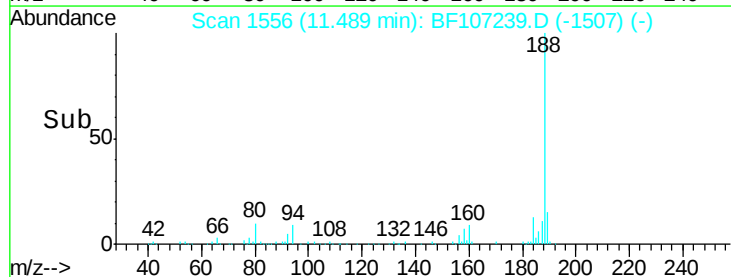
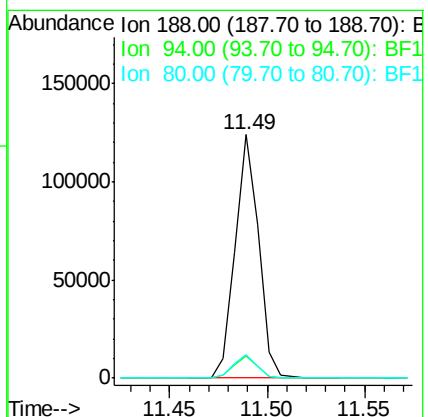
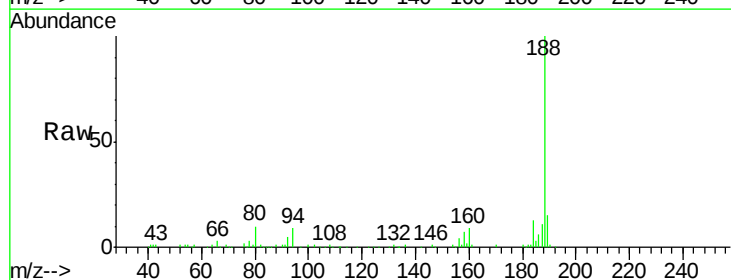
Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-6

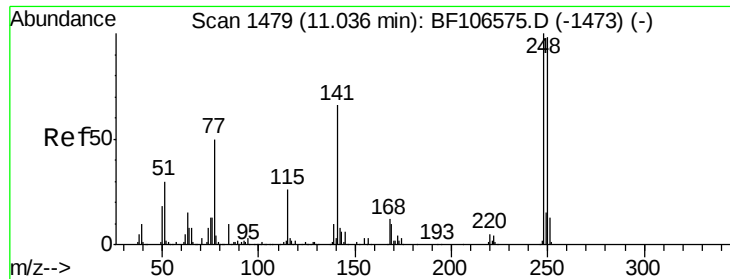
Tgt Ion:	165	Resp:	6085
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF107239.D
Acq: 9 Jul 2018 19:55

Tgt Ion:	188	Resp:	103738
Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.5	12.7
80	9.6	9.2	13.8

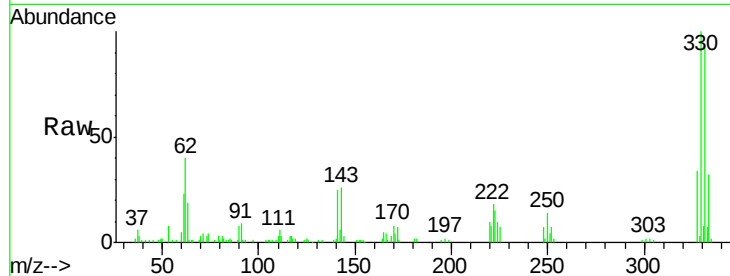




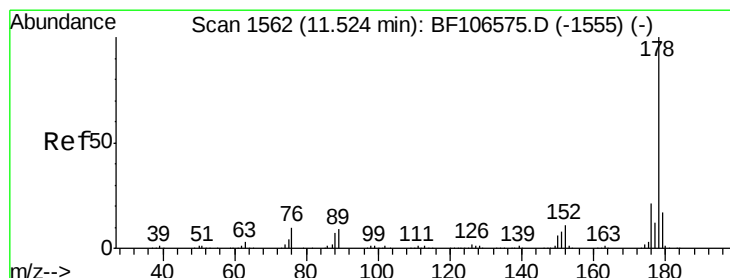
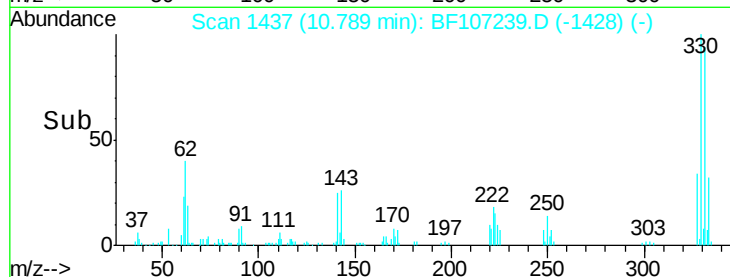
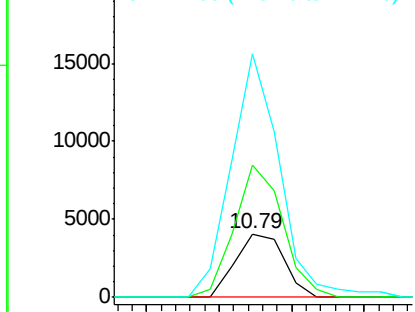
#66
 4-Bromophenyl-phenylether
 Concen: 3.049 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.25 min
 Lab File: BF107239.D
 Acq: 9 Jul 2018 19:55

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-6

Tgt Ion:248 Resp: 3775
 Ion Ratio Lower Upper
 248 100
 250 208.5 76.9 115.3#
 141 382.0 74.4 111.6#

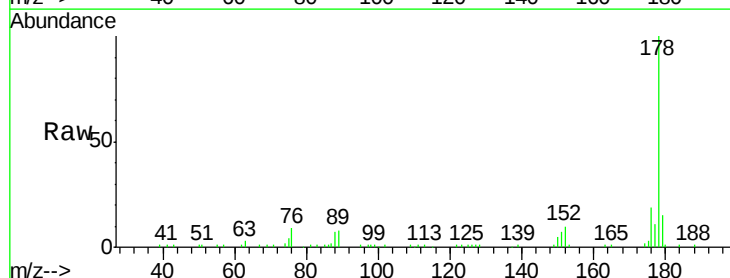


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

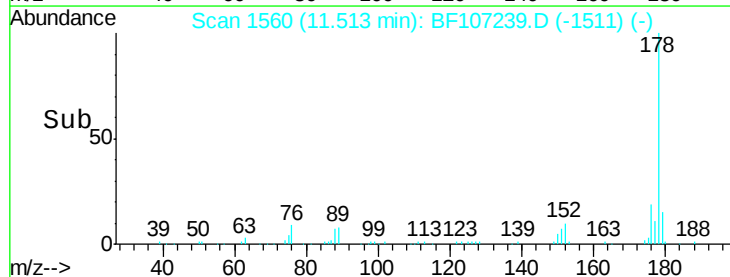
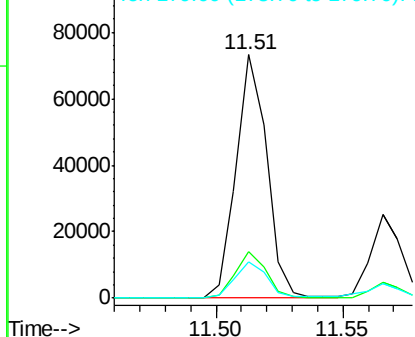


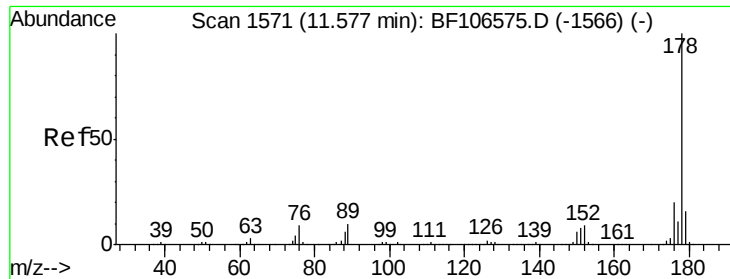
#70
 Phenanthrene
 Concen: 12.420 ng
 RT: 11.51 min Scan# 1560
 Delta R.T. -0.01 min
 Lab File: BF107239.D
 Acq: 9 Jul 2018 19:55

Tgt Ion:178 Resp: 62145
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.8 23.8
 179 15.1 13.0 19.6



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

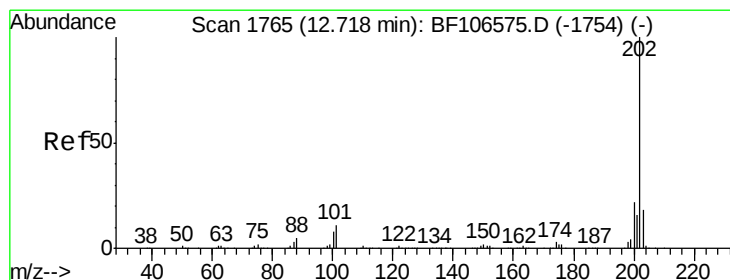
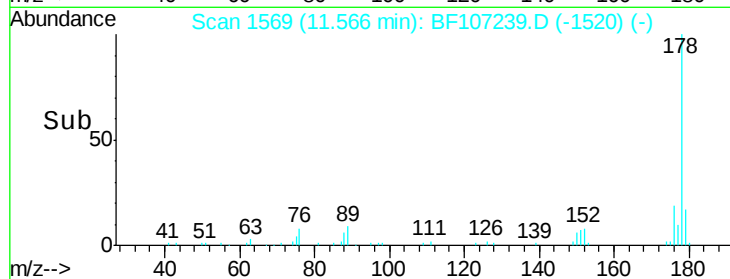
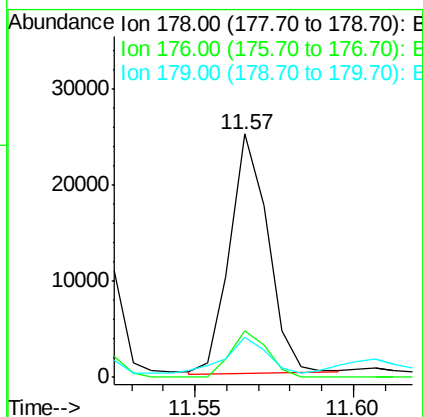
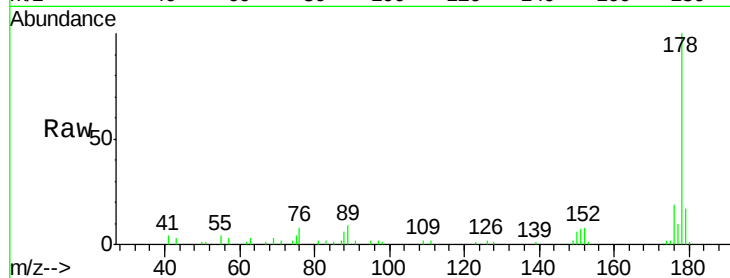




#71
 Anthracene
 Concen: 4.056 ng
 RT: 11.57 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF107239.D
 Acq: 9 Jul 2018 19:55

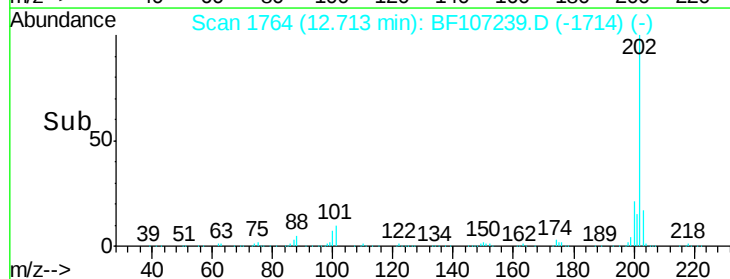
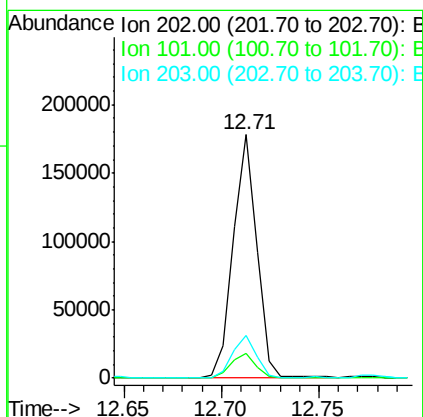
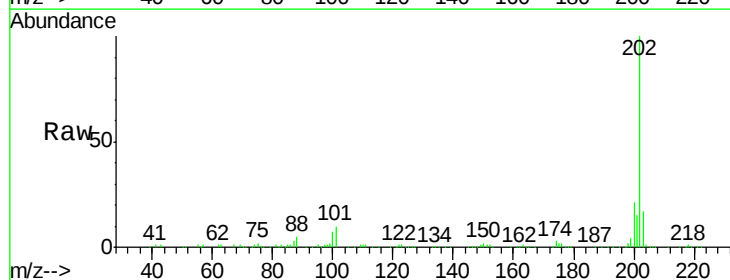
Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-6

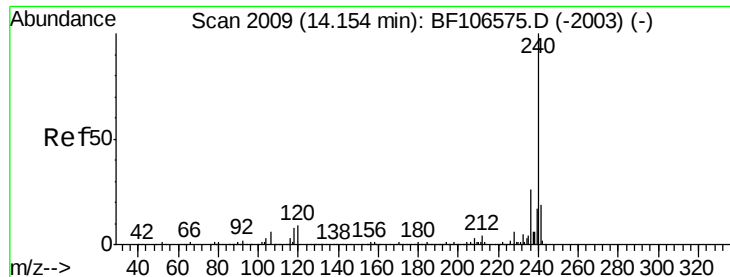
Tgt Ion:178 Resp: 20714
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.4 23.2
 179 16.6 12.6 19.0



#74
 Fluoranthene
 Concen: 27.210 ng
 RT: 12.71 min Scan# 1764
 Delta R.T. -0.01 min
 Lab File: BF107239.D
 Acq: 9 Jul 2018 19:55

Tgt Ion:202 Resp: 150057
 Ion Ratio Lower Upper
 202 100
 101 10.1 0.0 34.1
 203 17.4 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: BF107239.D

Acq: 9 Jul 2018 19:55

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-6

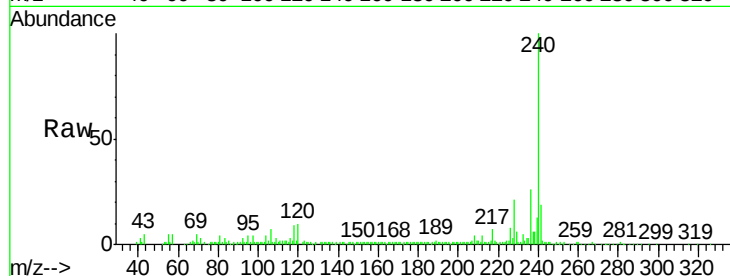
Tgt Ion:240 Resp: 83751

Ion Ratio Lower Upper

240 100

120 10.0 9.5 14.3

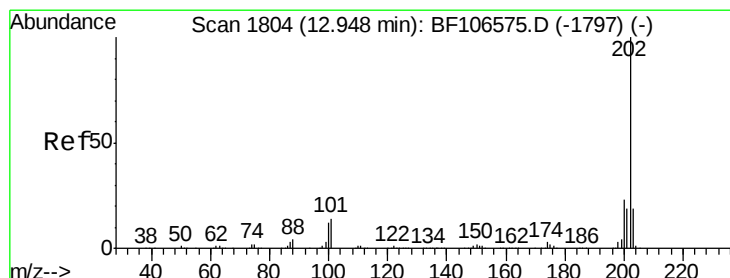
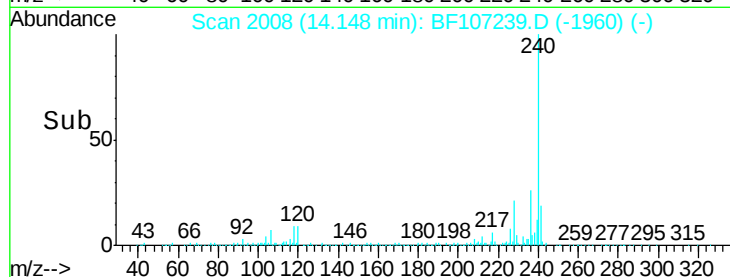
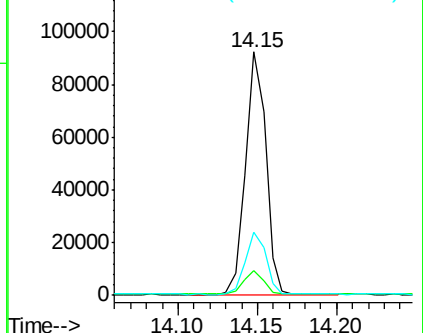
236 26.2 20.7 31.1



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: 26.522 ng

RT: 12.95 min Scan# 1804

Delta R.T. 0.00 min

Lab File: BF107239.D

Acq: 9 Jul 2018 19:55

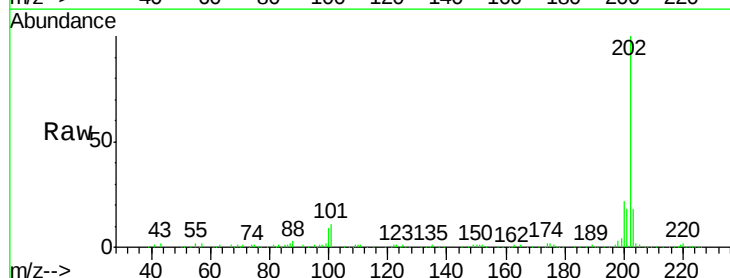
Tgt Ion:202 Resp: 146478

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

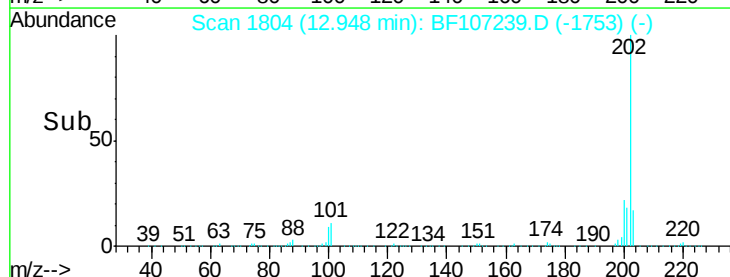
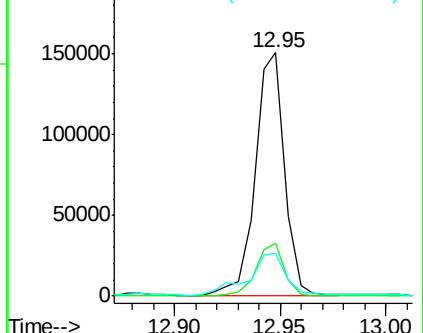
203 17.7 14.3 21.5

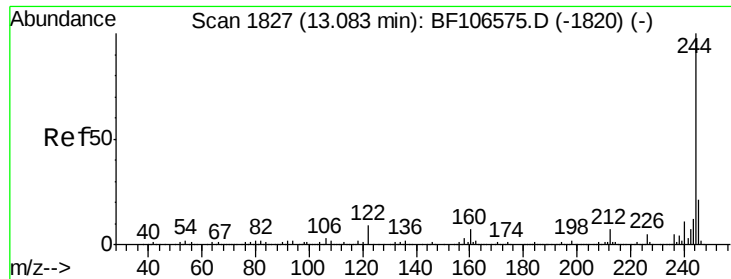


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

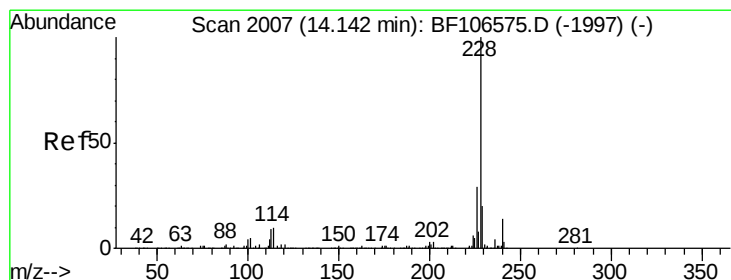
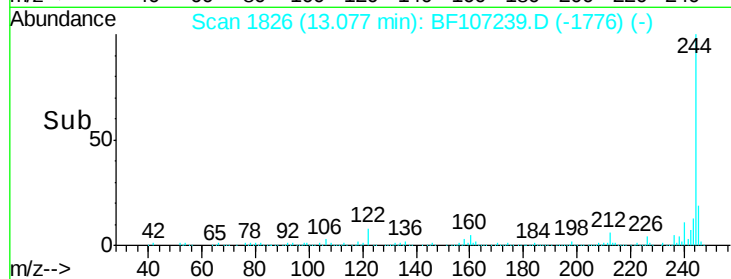
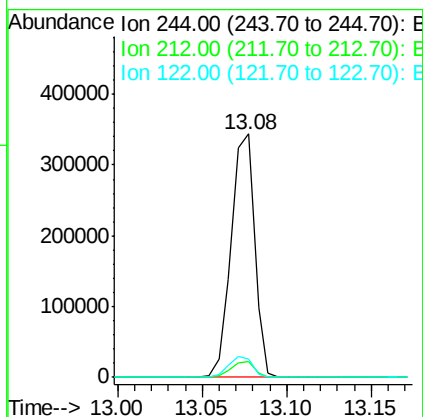
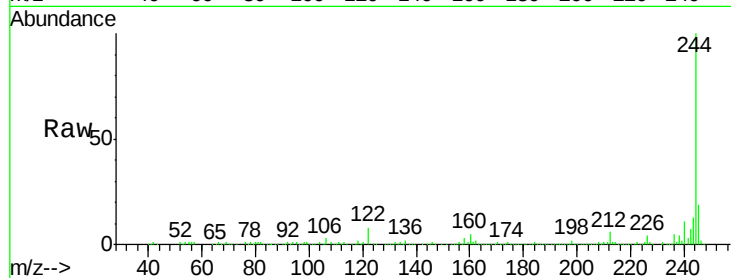




#78
 Terphenyl-d14
 Concen: 96.289 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF107239.D
 Acq: 9 Jul 2018 19:55

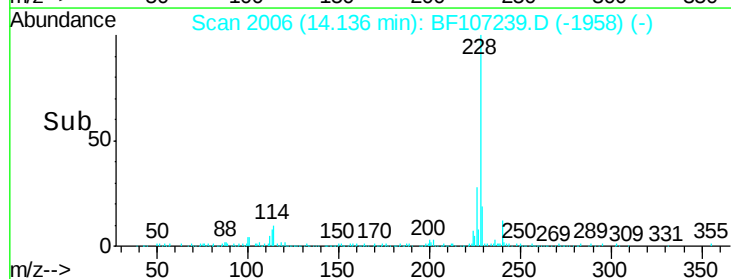
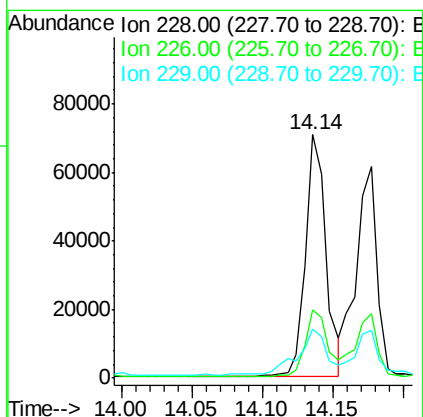
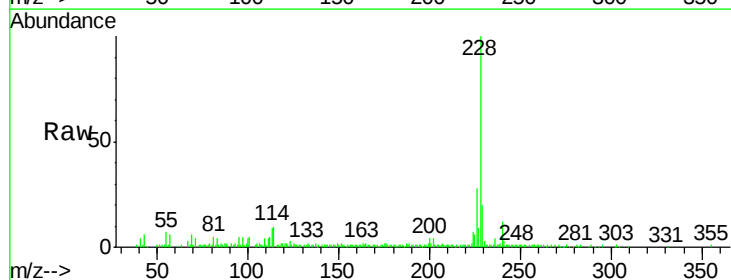
Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-6

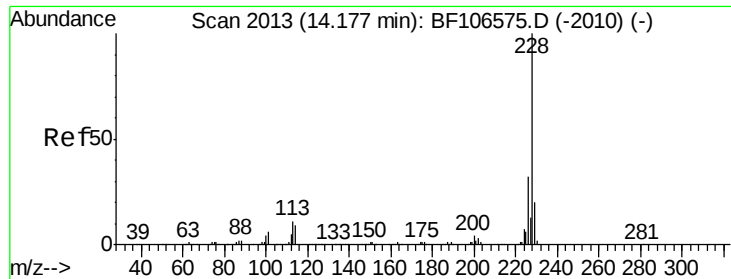
Tgt Ion:244 Resp: 332918
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.4 8.0
 122 7.7 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 14.056 ng
 RT: 14.14 min Scan# 2006
 Delta R.T. -0.02 min
 Lab File: BF107239.D
 Acq: 9 Jul 2018 19:55

Tgt Ion:228 Resp: 71749
 Ion Ratio Lower Upper
 228 100
 226 28.0 22.6 33.8
 229 20.4 15.8 23.6





#82

Chrysene

Concen: 13.566 ng

RT: 14.18 min Scan# 2013

Delta R.T. -0.02 min

Lab File: BF107239.D

Acq: 9 Jul 2018 19:55

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-6

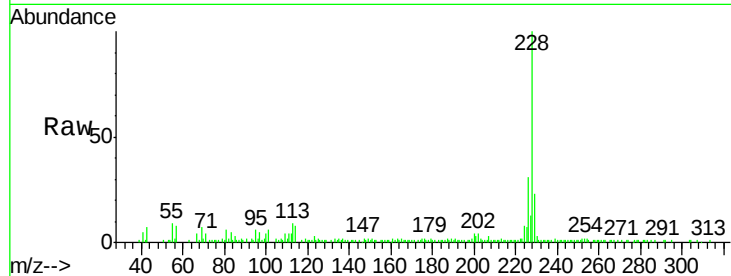
Tgt Ion:228 Resp: 63706

Ion Ratio Lower Upper

228 100

226 30.5 25.0 37.6

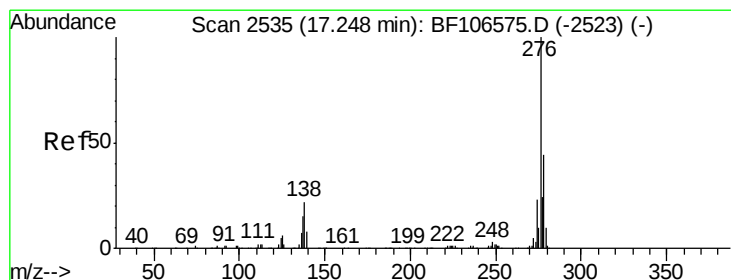
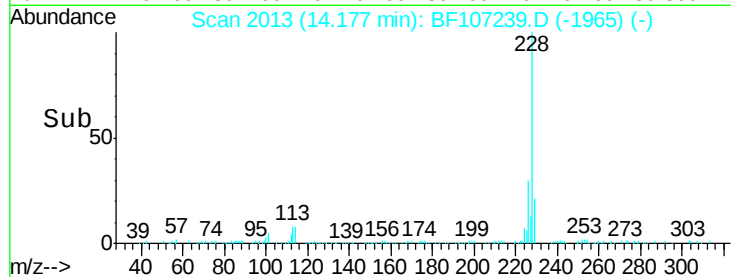
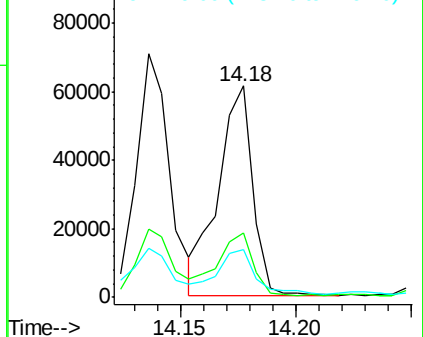
229 22.8 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 7.092 ng

RT: 17.29 min Scan# 2543

Delta R.T. -0.01 min

Lab File: BF107239.D

Acq: 9 Jul 2018 19:55

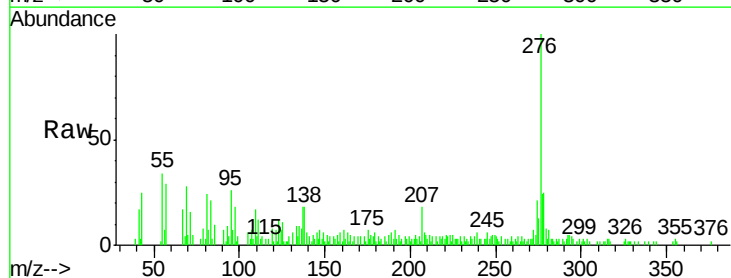
Tgt Ion:276 Resp: 28263

Ion Ratio Lower Upper

276 100

138 16.8 25.0 37.6#

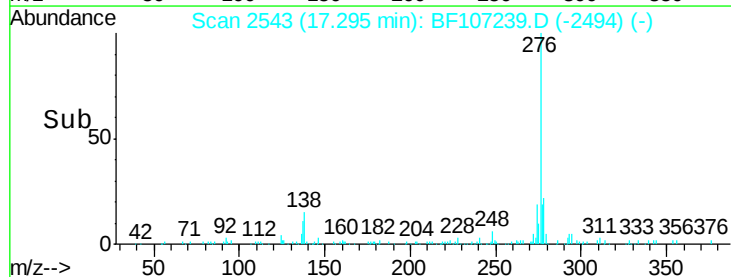
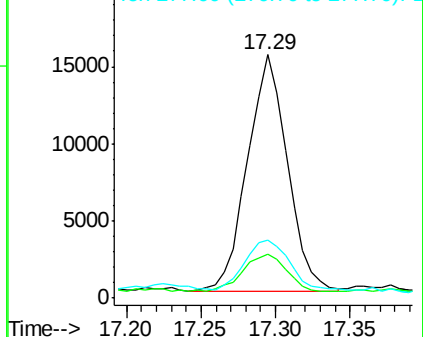
277 23.9 20.1 30.1

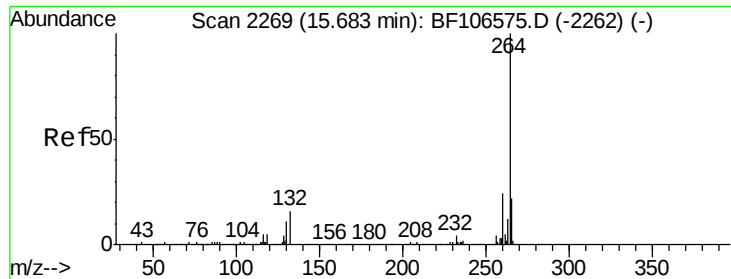


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

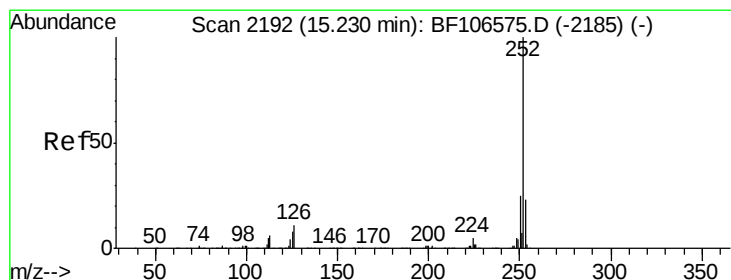
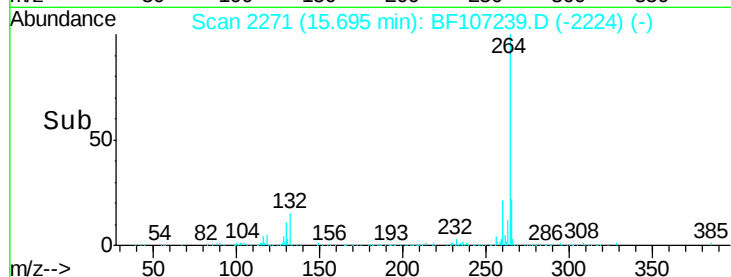
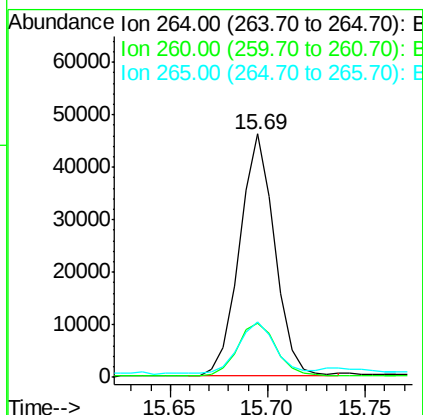
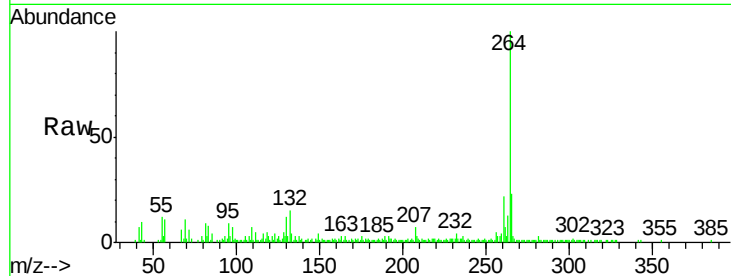




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2271
Delta R.T. -0.02 min
Lab File: BF107239.D
Acq: 9 Jul 2018 19:55

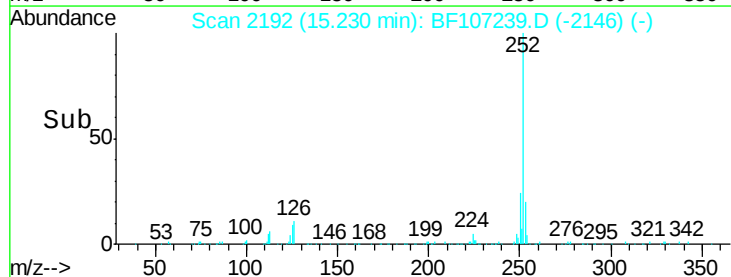
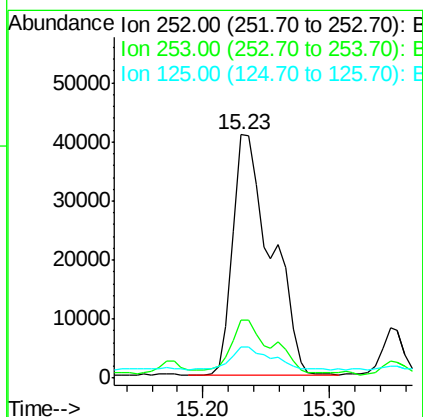
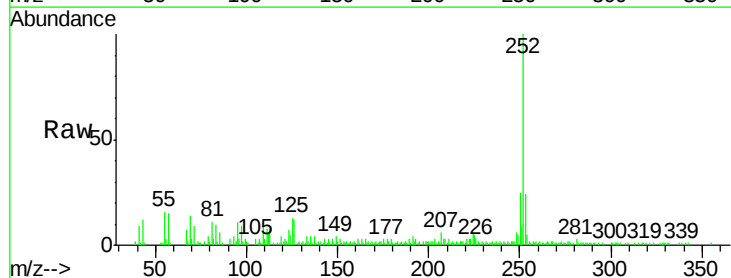
Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-6

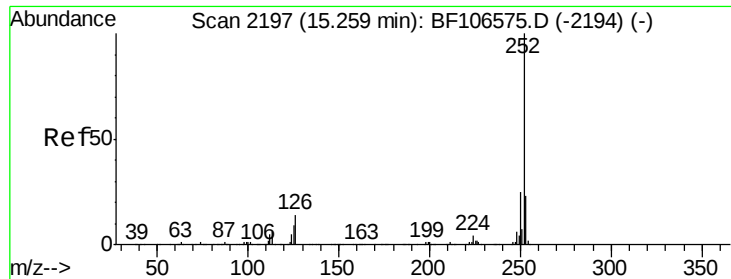
Tgt Ion:264 Resp: 56984
Ion Ratio Lower Upper
264 100
260 22.2 19.2 28.8
265 22.9 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 24.024 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BF107239.D
Acq: 9 Jul 2018 19:55

Tgt Ion:252 Resp: 85041
Ion Ratio Lower Upper
252 100
253 24.1 17.0 25.6
125 12.6 9.0 13.6

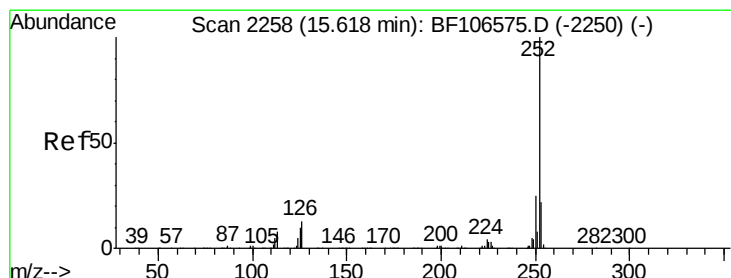
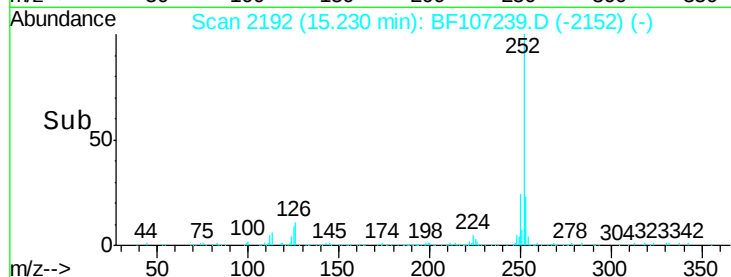
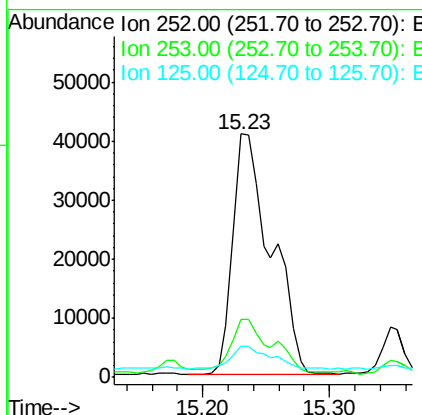
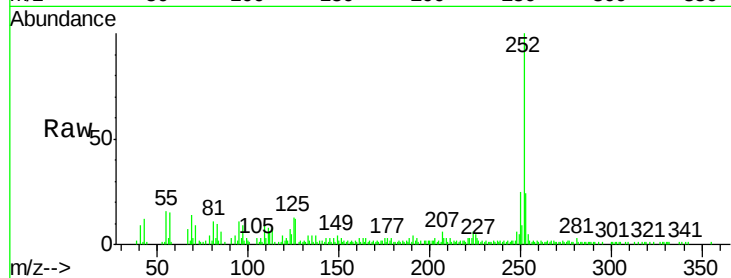




#88
Benzo(k)fluoranthene
Concen: 25.228 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.06 min
Lab File: BF107239.D
Acq: 9 Jul 2018 19:55

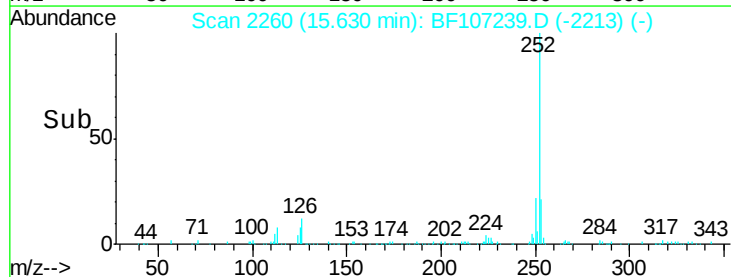
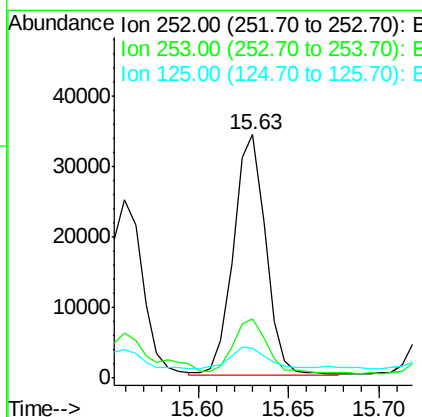
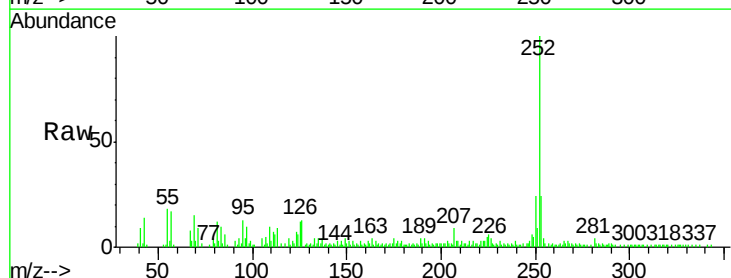
Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-6

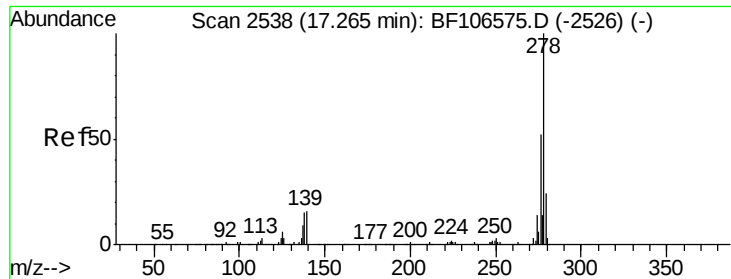
Tgt Ion:252 Resp: 85041
Ion Ratio Lower Upper
252 100
253 24.1 17.9 26.9
125 12.6 10.2 15.2



#89
Benzo(a)pyrene
Concen: 13.412 ng
RT: 15.63 min Scan# 2260
Delta R.T. -0.02 min
Lab File: BF107239.D
Acq: 9 Jul 2018 19:55

Tgt Ion:252 Resp: 42206
Ion Ratio Lower Upper
252 100
253 24.2 17.1 25.7
125 12.2 9.8 14.6

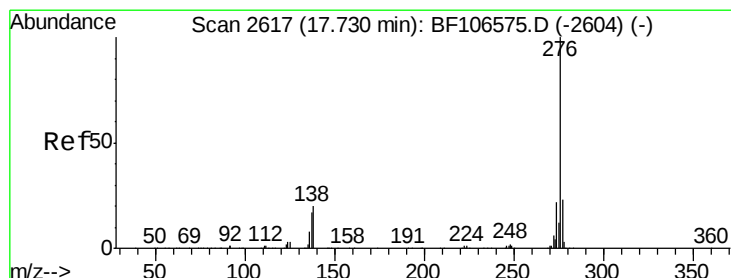
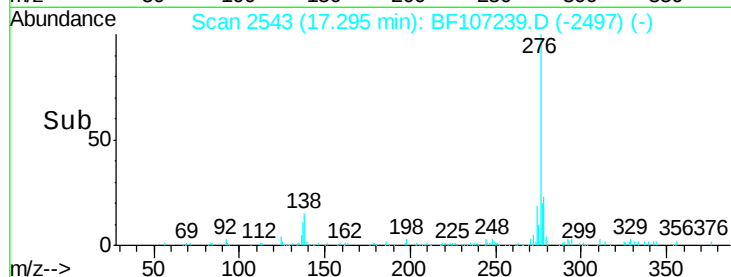
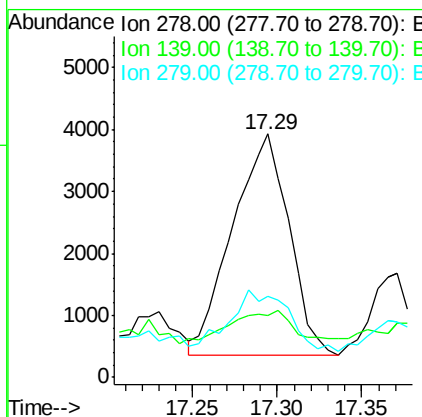
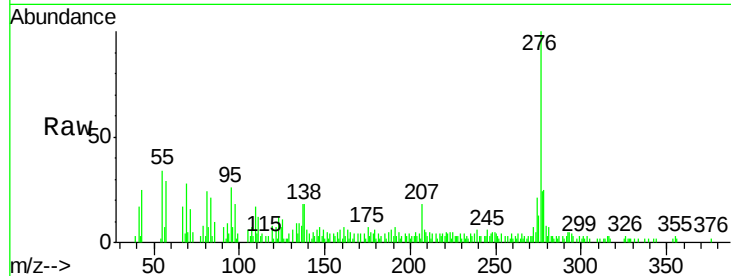




#90
Dibenzo(a,h)anthracene
Concen: 3.116 ng
RT: 17.29 min Scan# 2543
Delta R.T. -0.03 min
Lab File: BF107239.D
Acq: 9 Jul 2018 19:55

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-6

Tgt Ion: 278 Resp: 8311
Ion Ratio Lower Upper
278 100
139 25.4 15.9 23.9#
279 33.5 19.0 28.4#



#91
Benzo(g,h,i)perylene
Concen: 10.536 ng
RT: 17.78 min Scan# 2626
Delta R.T. -0.01 min
Lab File: BF107239.D
Acq: 9 Jul 2018 19:55

Tgt Ion: 276 Resp: 27464
Ion Ratio Lower Upper
276 100
277 26.3 17.9 26.9
138 20.4 21.8 32.8#

