

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070718\
 Data File : BF107217.D
 Acq On : 7 Jul 2018 19:58
 Operator : JU/SJ
 Sample : J3880-11
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-16

Quant Time: Jul 09 02:17:44 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	43182	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	147803	20.00	ng	-0.02
38) Acenaphthene-d10	9.99	164	66903	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	133652	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	98142	20.00	ng	-0.02
86) Perylene-d12	15.69	264	75847	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	246069	96.49	ng	0.00
7) Phenol-d6	6.60	99	291111	91.41	ng	-0.02
23) Nitrobenzene-d5	7.51	82	163115	61.33	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	73917	95.32	ng	-0.01
44) 2-Fluorobiphenyl	9.30	172	309414	76.87	ng	-0.02
78) Terphenyl-d14	13.07	244	376433	92.91	ng	-0.01

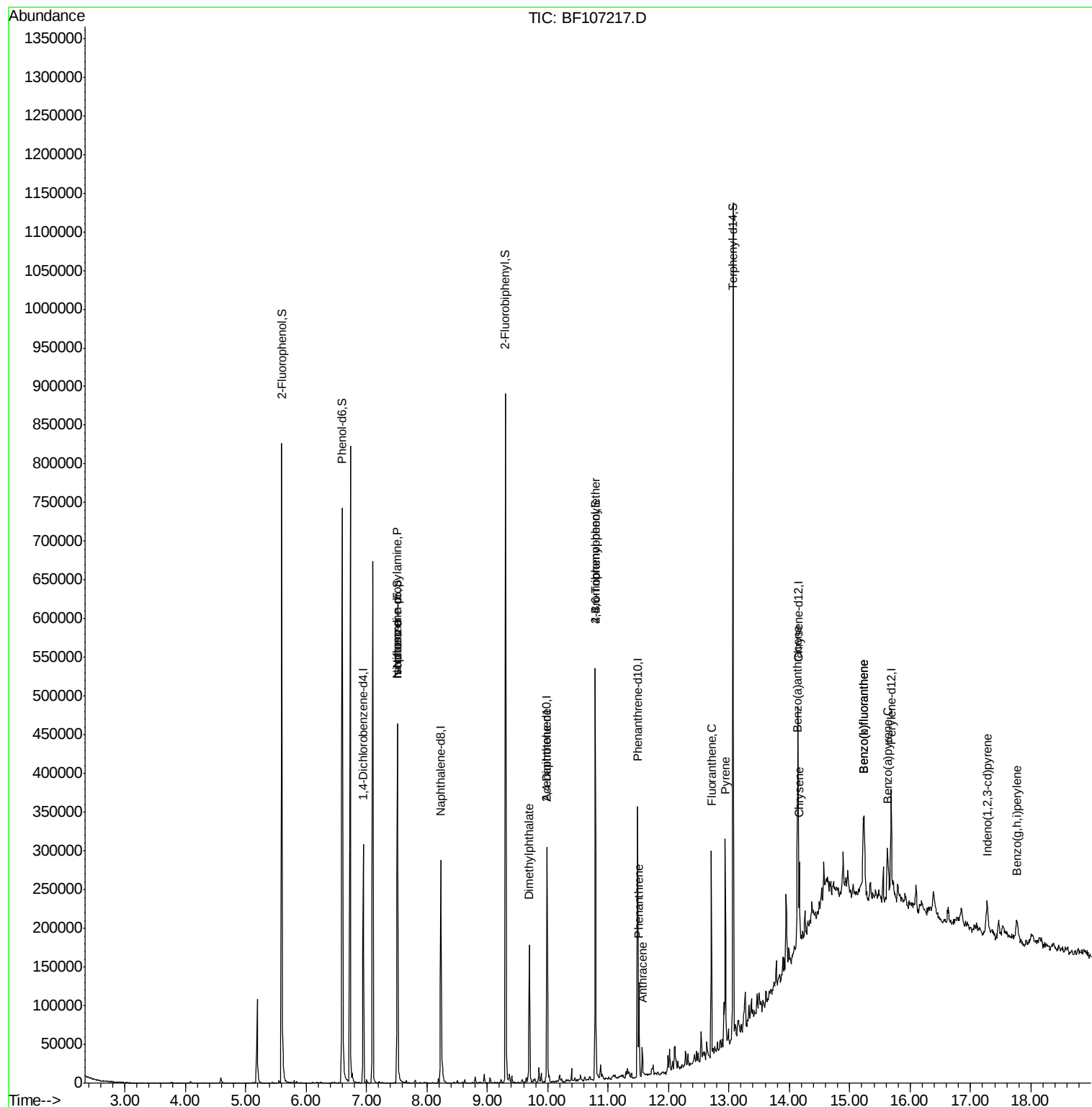
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.51	70	20120	9.585	ng	# 74
25) Isophorone	7.51	82	163114	34.804	ng	# 64
49) Dimethylphthalate	9.70	163	77507	15.446	ng	98
56) 2,4-Dinitrotoluene	9.99	165	8649	6.236	ng	# 21
66) 4-Bromophenyl-phenylether	10.79	248	4654	2.918	ng	# 1
70) Phenanthrene	11.51	178	41933	6.505	ng	98
71) Anthracene	11.57	178	16186	2.460	ng	96
74) Fluoranthene	12.71	202	110854	15.602	ng	96
77) Pyrene	12.94	202	107930	16.677	ng	98
80) Benzo(a)anthracene	14.13	228	49490	8.274	ng	97
82) Chrysene	14.17	228	47293	8.594	ng	97
85) Indeno(1,2,3-cd)pyrene	17.28	276	24435	5.232	ng	# 89
87) Benzo(b)fluoranthene	15.22	252	70550	14.974	ng	93
88) Benzo(k)fluoranthene	15.22	252	70550	15.724	ng	96
89) Benzo(a)pyrene	15.62	252	35494	8.474	ng	# 89
91) Benzo(g,h,i)perylene	17.77	276	24842	7.160	ng	# 90

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

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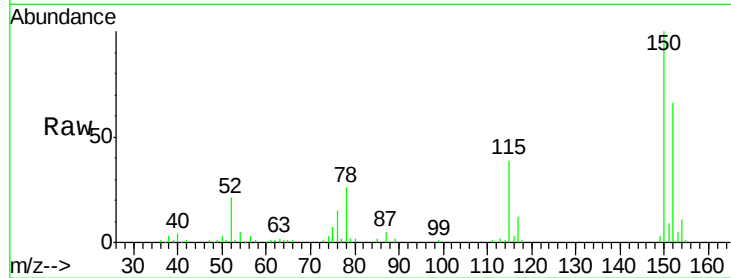


#1

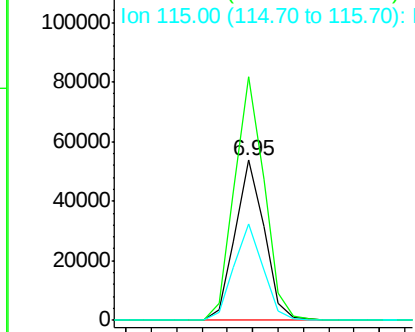
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 784
 Delta R.T. -0.01 min
 Lab File: BF107217.D
 Acq: 7 Jul 2018 19:58

Instrument :
 BNA_F
 ClientSampleId :
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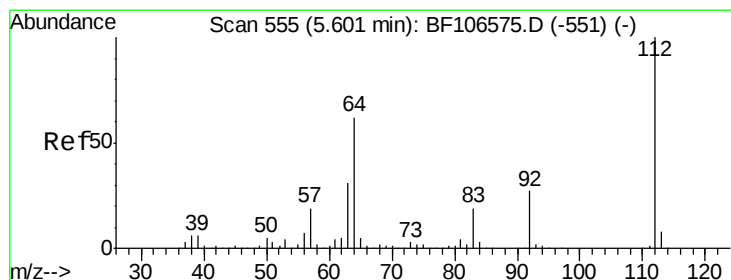
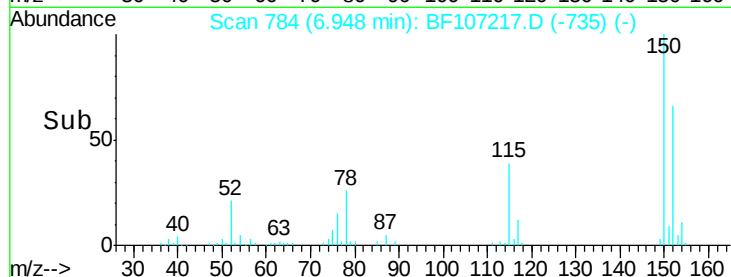
Tgt Ion:152 Resp: 43182
 Ion Ratio Lower Upper
 152 100
 150 152.1 124.6 186.8
 115 60.0 50.1 75.1



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



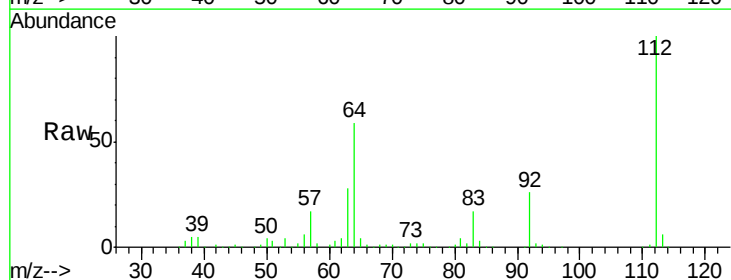
Time--> 6.90 6.95 7.00



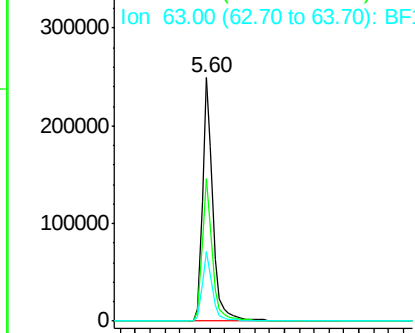
#5

2-Fluorophenol
 Concen: 96.492 ng
 RT: 5.60 min Scan# 554
 Delta R.T. -0.01 min
 Lab File: BF107217.D
 Acq: 7 Jul 2018 19:58

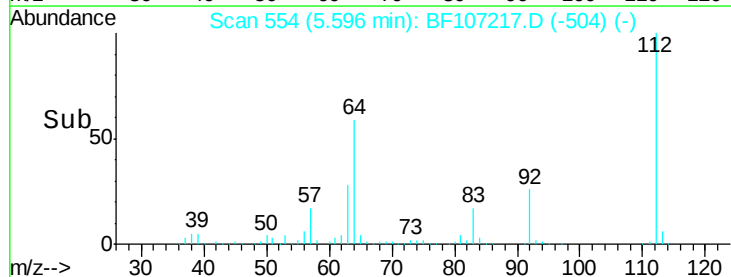
Tgt Ion:112 Resp: 246069
 Ion Ratio Lower Upper
 112 100
 64 58.6 47.9 71.9
 63 28.3 23.7 35.5



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



Time--> 5.50 5.60 5.70 5.80





#7

Phenol-d6

Concen: 91.411 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107217.D

Acq: 7 Jul 2018 19:58

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-16

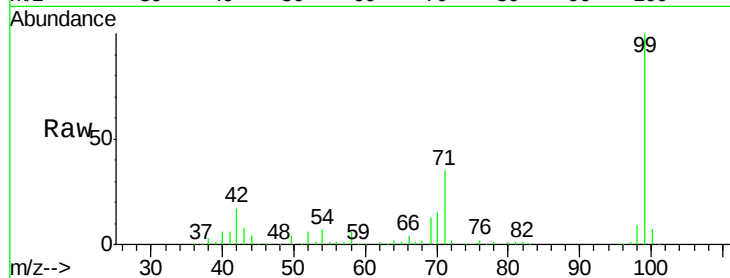
Tgt Ion: 99 Resp: 291111

Ion Ratio Lower Upper

99 100

42 16.7 14.5 21.7

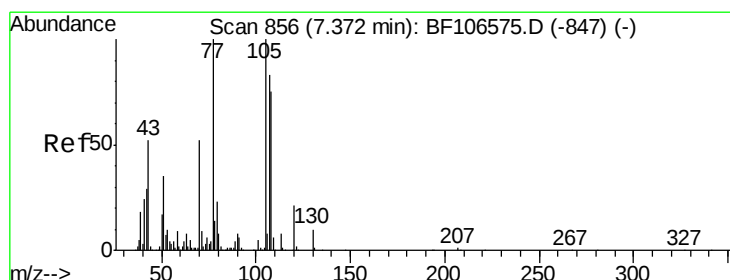
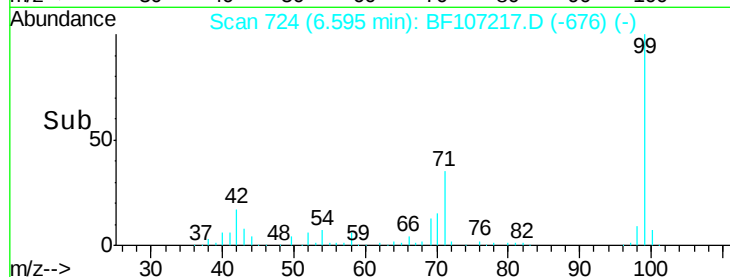
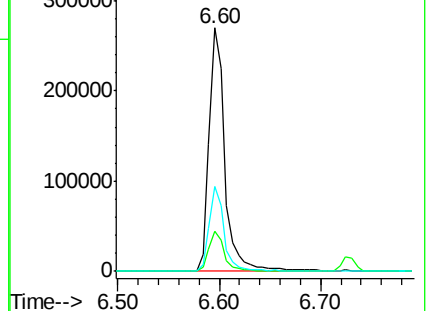
71 34.6 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 9.585 ng

RT: 7.51 min Scan# 880

Delta R.T. 0.13 min

Lab File: BF107217.D

Acq: 7 Jul 2018 19:58

Tgt Ion: 70 Resp: 20120

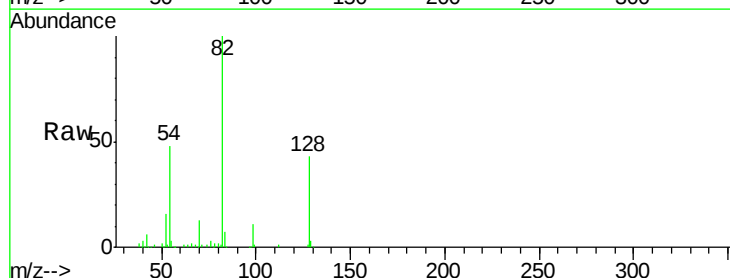
Ion Ratio Lower Upper

70 100

42 43.8 47.5 71.3#

101 0.0 7.4 11.2#

130 1.8 16.6 25.0#

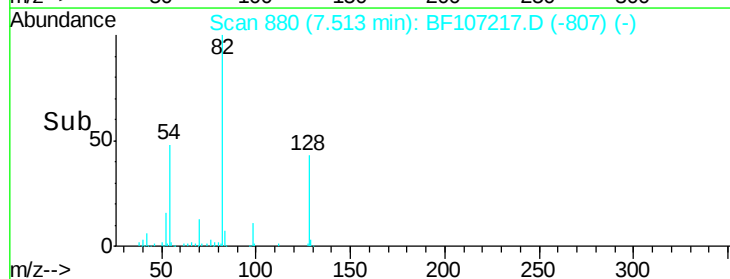
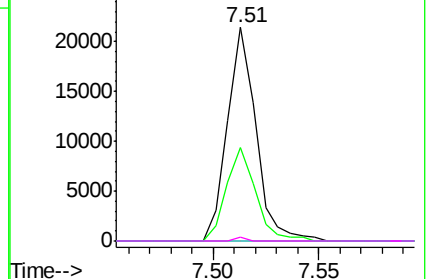


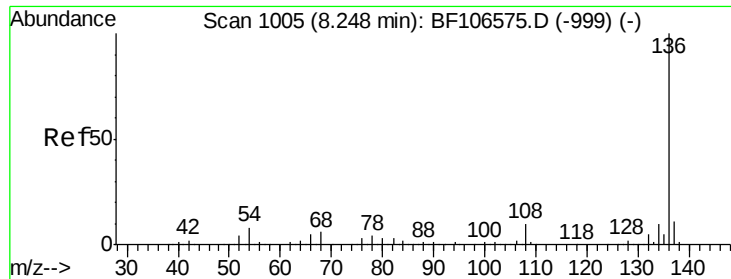
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

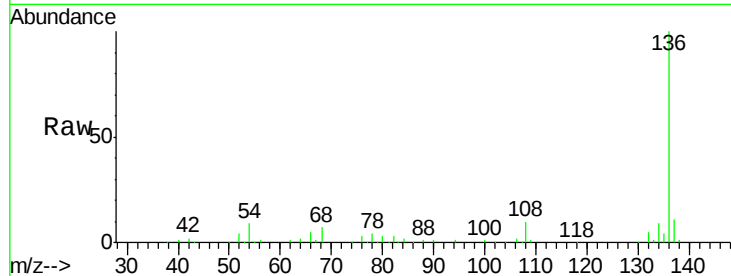




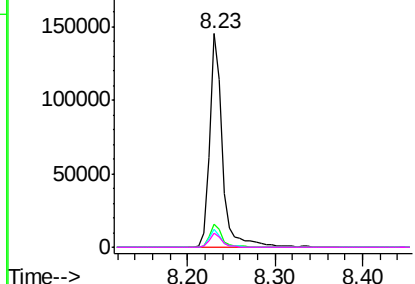
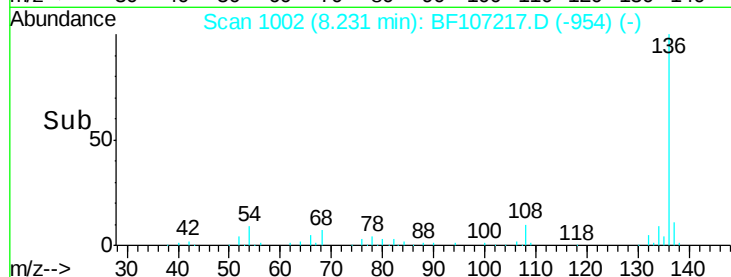
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1002
Delta R.T. -0.02 min
Lab File: BF107217.D
Acq: 7 Jul 2018 19:58

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-16

Tgt Ion:136 Resp: 147803
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 8.5 6.6 9.8
68 6.7 5.0 7.4

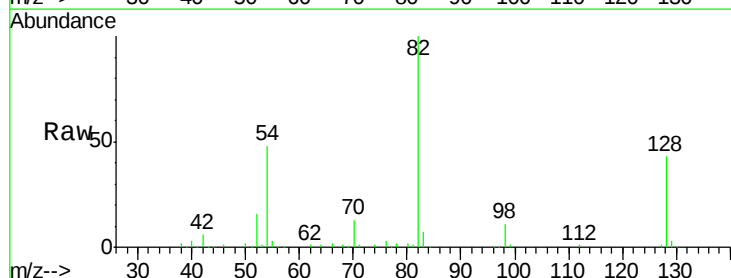


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

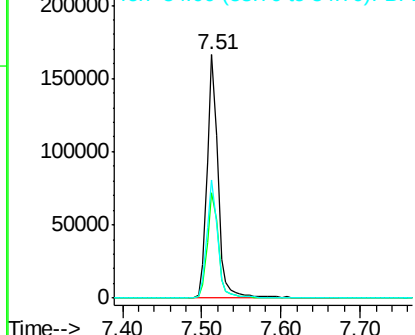
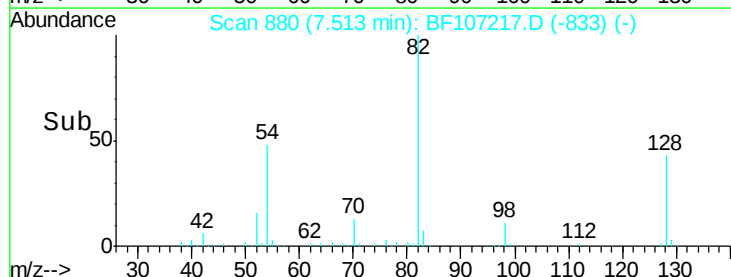


#23
Nitrobenzene-d5
Concen: 61.331 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF107217.D
Acq: 7 Jul 2018 19:58

Tgt Ion: 82 Resp: 163115
Ion Ratio Lower Upper
82 100
128 43.3 36.1 54.1
54 48.4 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: 34.804 ng

RT: 7.51 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF107217.D

Acq: 7 Jul 2018 19:58

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-16

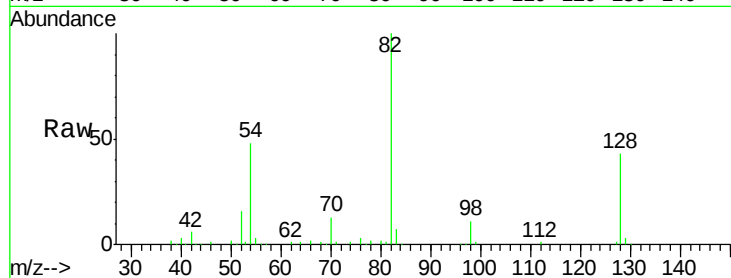
Tgt Ion: 82 Resp: 163114

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

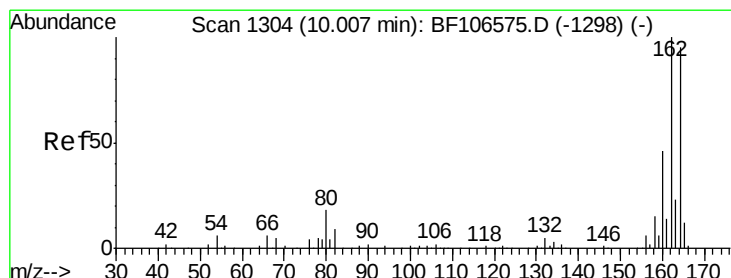
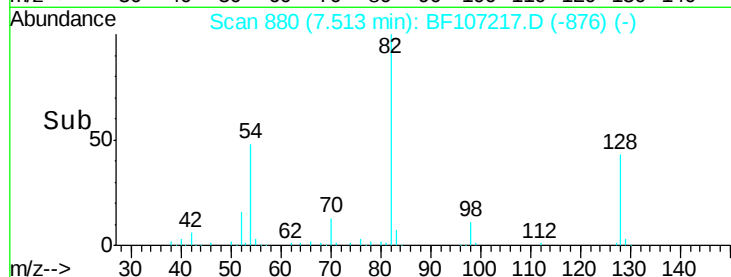
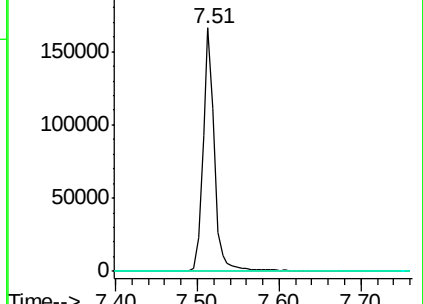
138 0.0 14.9 22.3#



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: BF107217.D

Acq: 7 Jul 2018 19:58

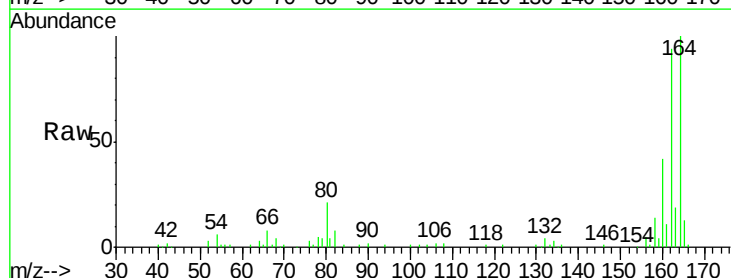
Tgt Ion: 164 Resp: 66903

Ion Ratio Lower Upper

164 100

162 94.1 86.1 129.1

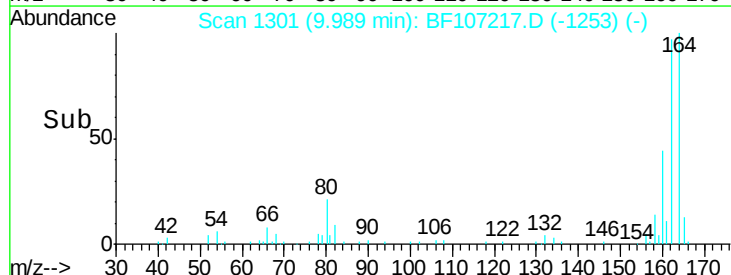
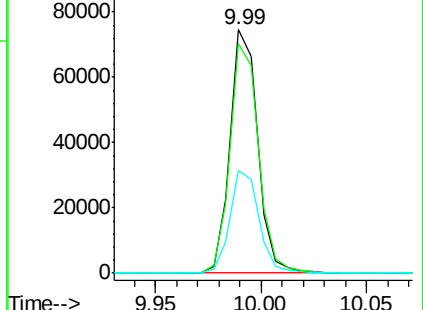
160 42.5 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

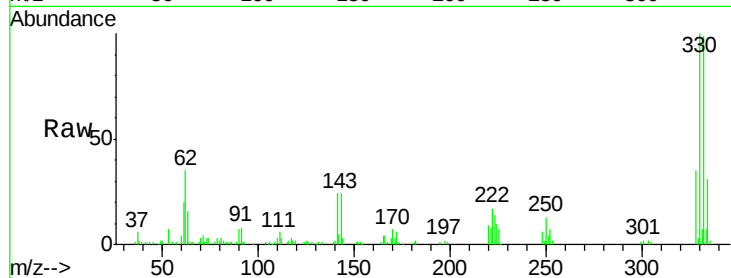




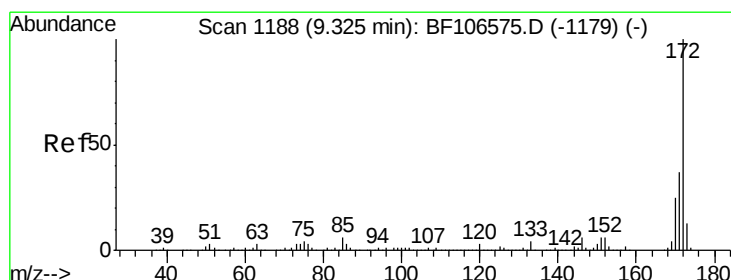
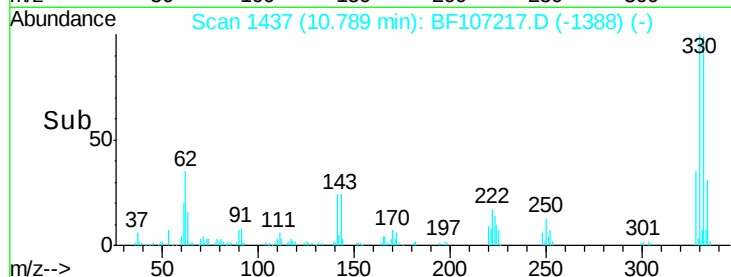
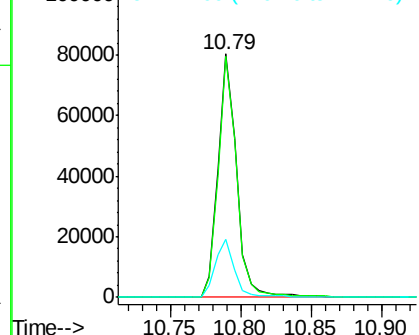
#41
 2,4,6-Tribromophenol
 Concen: 95.325 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107217.D
 Acq: 7 Jul 2018 19:58

Instrument :
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 ClientSampleId :
 SURCHARGE-SP-16

Tgt Ion:330 Resp: 73917
 Ion Ratio Lower Upper
 330 100
 332 97.8 77.0 115.6
 141 24.6 29.9 44.9#

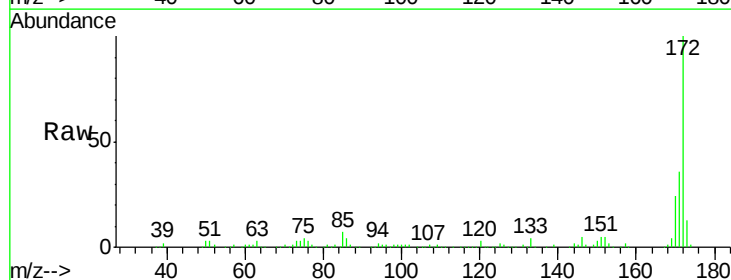


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

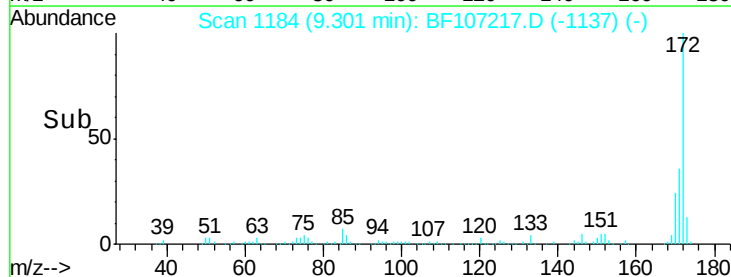
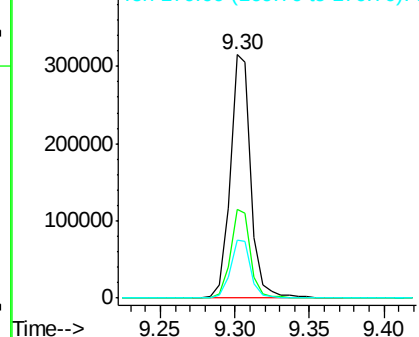


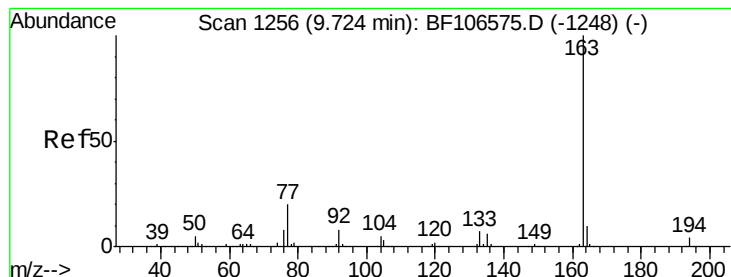
#44
 2-Fluorobiphenyl
 Concen: 76.870 ng
 RT: 9.30 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF107217.D
 Acq: 7 Jul 2018 19:58

Tgt Ion:172 Resp: 309414
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.7 44.5
 170 23.7 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: 15.446 ng

RT: 9.70 min Scan# 1251

Delta R.T. -0.03 min

Lab File: BF107217.D

Acq: 7 Jul 2018 19:58

Instrument :

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SURCHARGE-SP-16

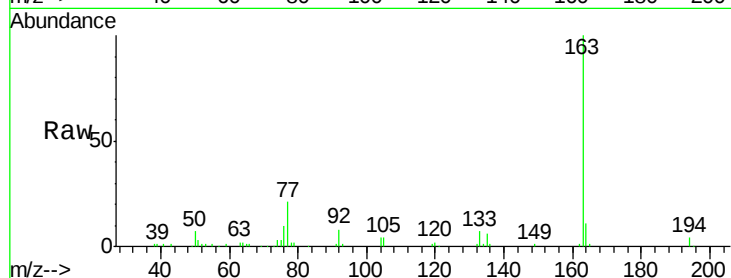
Tgt Ion:163 Resp: 77507

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

164 11.1 8.2 12.2

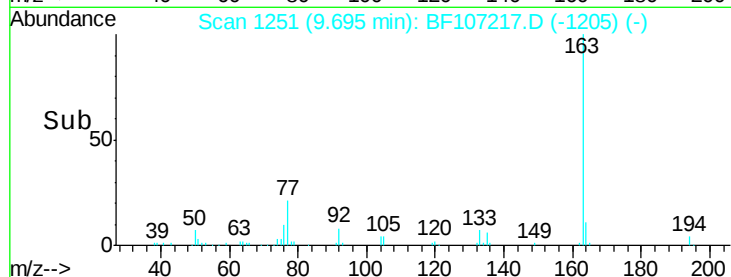


Abundance Ion 163.00 (162.70 to 163.70): E

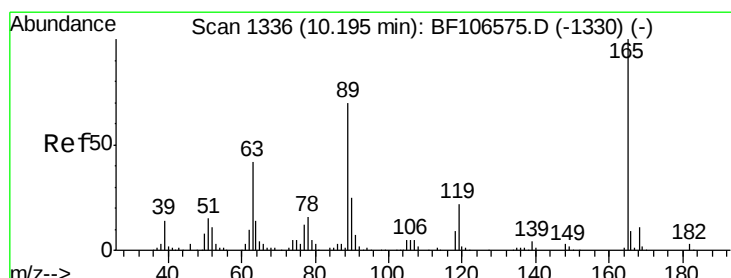
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

Time-->



Time-->



#56

2,4-Dinitrotoluene

Concen: 6.236 ng

RT: 9.99 min Scan# 1301

Delta R.T. -0.21 min

Lab File: BF107217.D

Acq: 7 Jul 2018 19:58

Tgt Ion:165 Resp: 8649

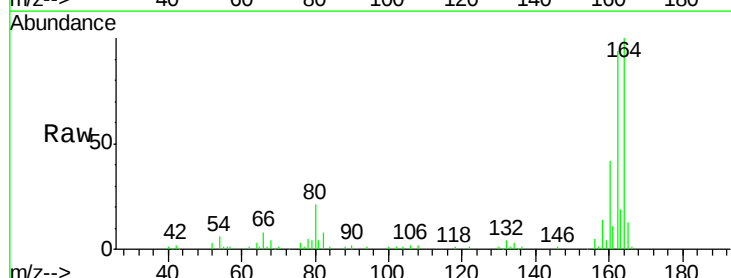
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#



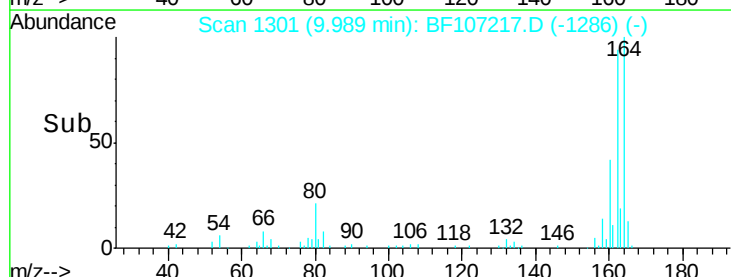
Abundance Ion 165.00 (164.70 to 165.70): E

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

Time-->



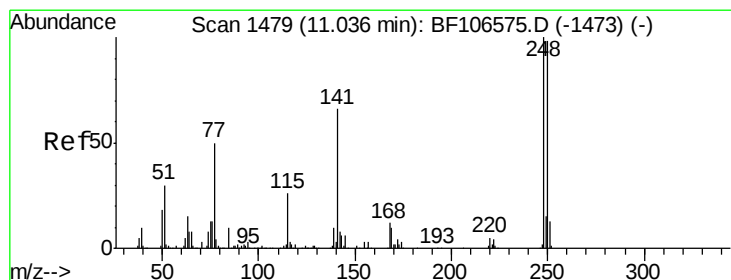
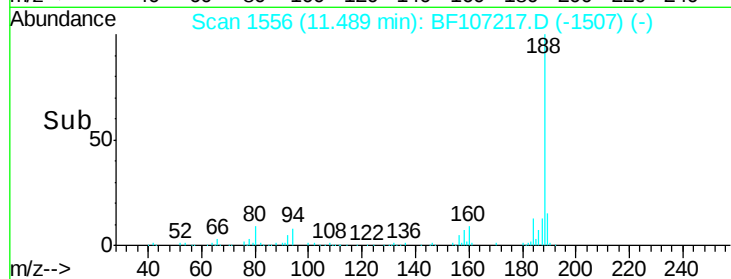
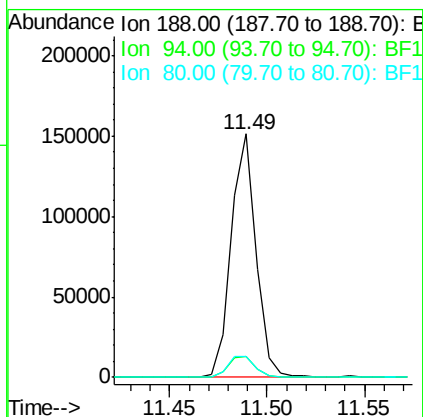
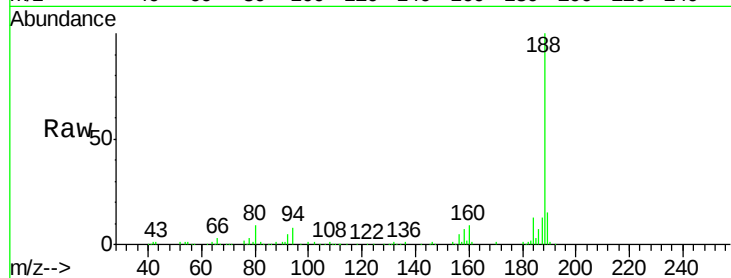
Time-->



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF107217.D
 Acq: 7 Jul 2018 19:58

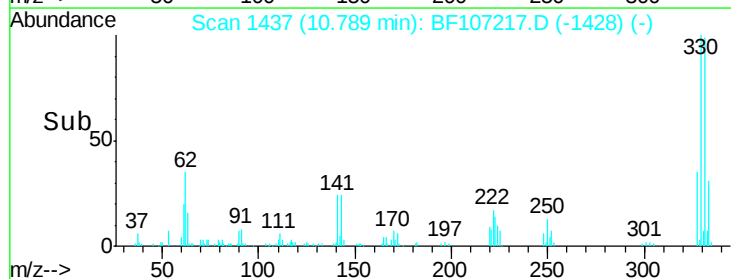
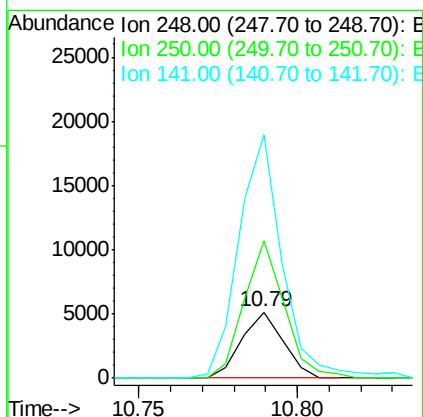
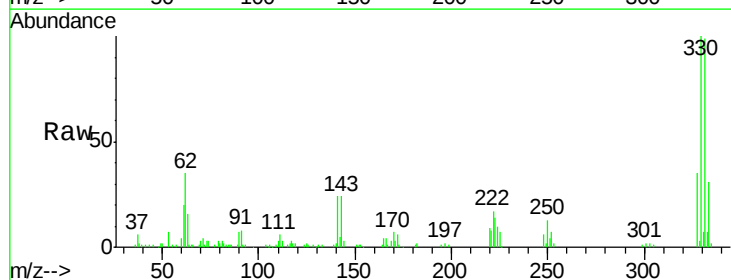
Instrument :
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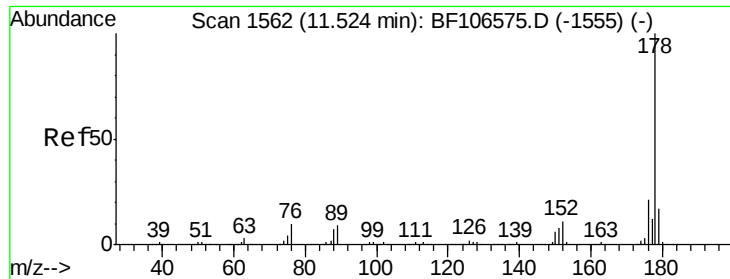
Tgt Ion:188 Resp: 133652
 Ion Ratio Lower Upper
 188 100
 94 8.4 8.5 12.7#
 80 8.6 9.2 13.8#



#66
 4-Bromophenyl-phenylether
 Concen: 2.918 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.25 min
 Lab File: BF107217.D
 Acq: 7 Jul 2018 19:58

Tgt Ion:248 Resp: 4654
 Ion Ratio Lower Upper
 248 100
 250 208.3 76.9 115.3#
 141 370.0 74.4 111.6#

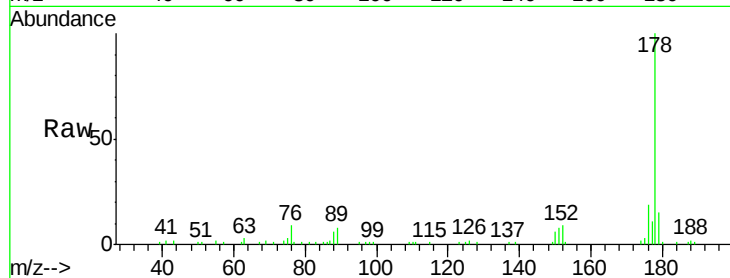




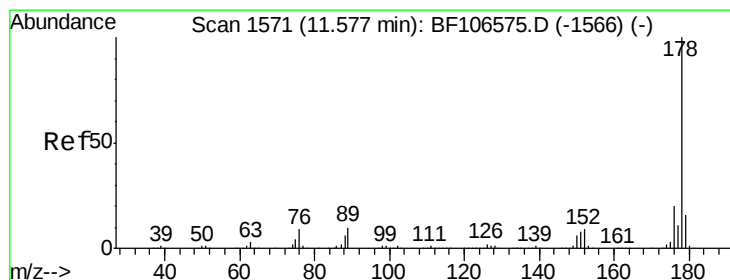
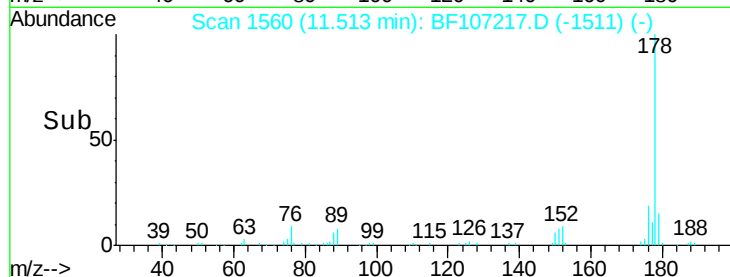
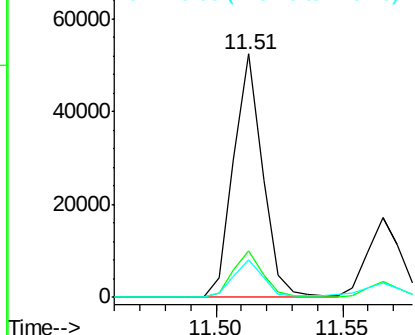
#70
 Phenanthrene
 Concen: 6.505 ng
 RT: 11.51 min Scan# 1560
 Delta R.T. -0.01 min
 Lab File: BF107217.D
 Acq: 7 Jul 2018 19:58

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-16

Tgt Ion:178 Resp: 41933
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.8 23.8
 179 15.3 13.0 19.6

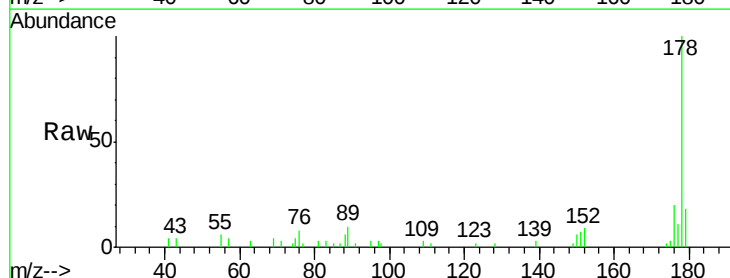


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

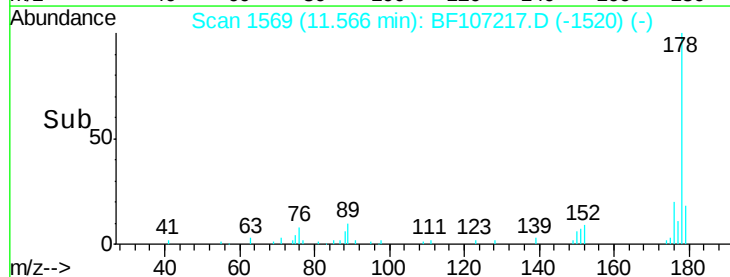
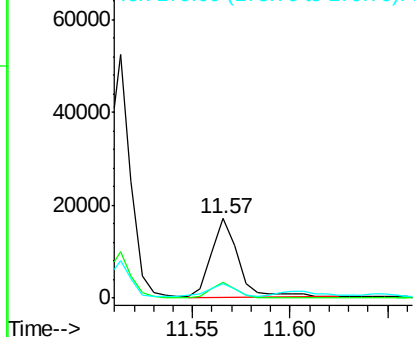


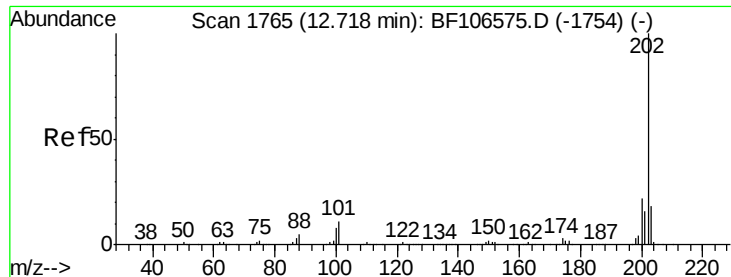
#71
 Anthracene
 Concen: 2.460 ng
 RT: 11.57 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF107217.D
 Acq: 7 Jul 2018 19:58

Tgt Ion:178 Resp: 16186
 Ion Ratio Lower Upper
 178 100
 176 20.3 15.4 23.2
 179 18.1 12.6 19.0



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





#74

Fluoranthene

Concen: 15.602 ng

RT: 12.71 min Scan# 1763

Delta R.T. -0.01 min

Lab File: BF107217.D

Acq: 7 Jul 2018 19:58

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-16

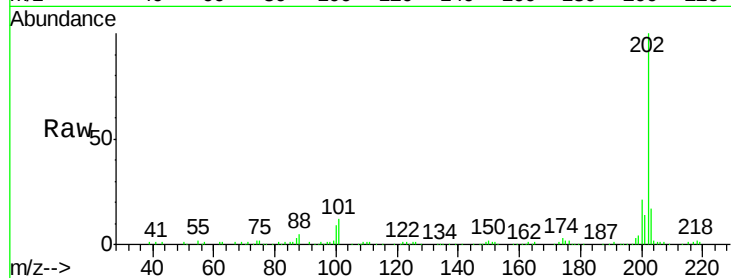
Tgt Ion: 202 Resp: 110854

Ion Ratio Lower Upper

202 100

101 11.9 0.0 34.1

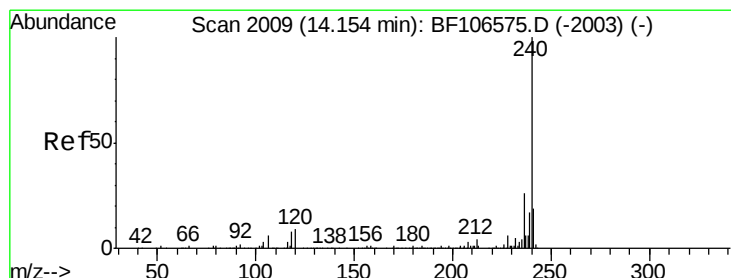
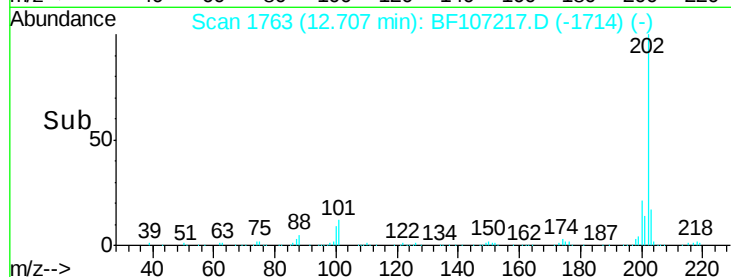
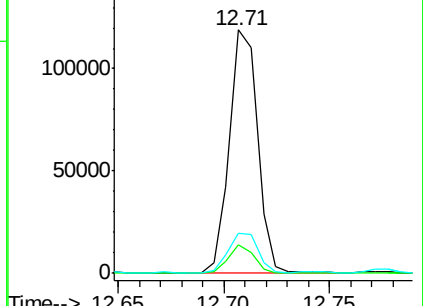
203 16.6 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.02 min

Lab File: BF107217.D

Acq: 7 Jul 2018 19:58

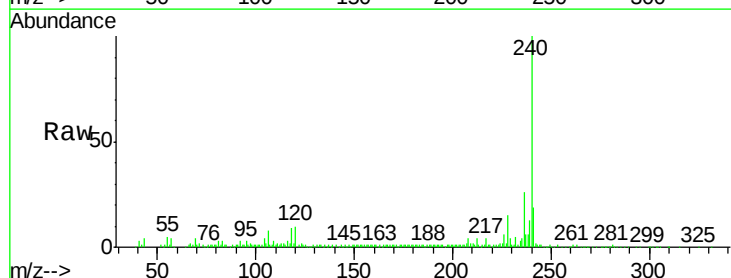
Tgt Ion: 240 Resp: 98142

Ion Ratio Lower Upper

240 100

120 10.1 9.5 14.3

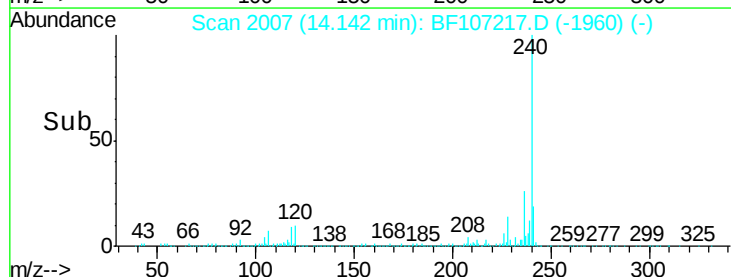
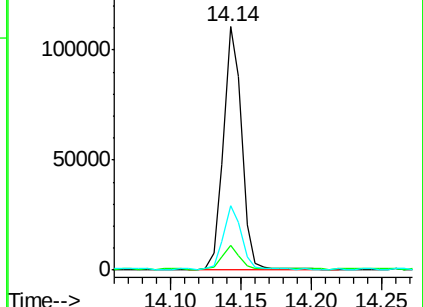
236 26.4 20.7 31.1

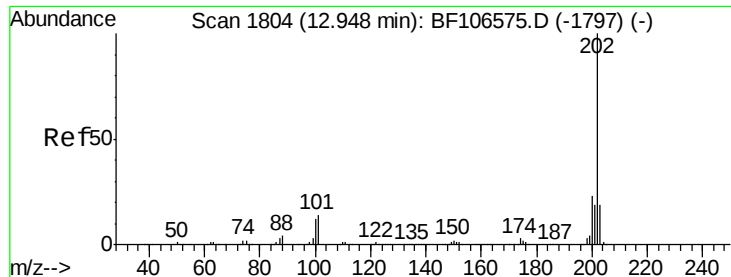


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 16.677 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF107217.D

Acq: 7 Jul 2018 19:58

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-16

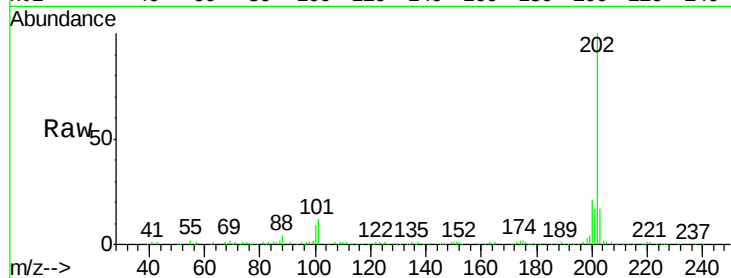
Tgt Ion: 202 Resp: 107930

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

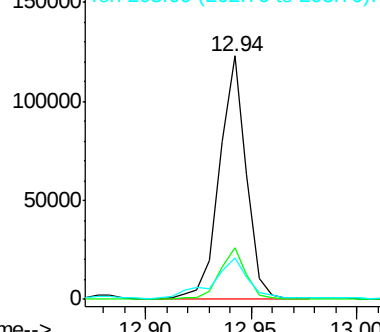
203 17.0 14.3 21.5



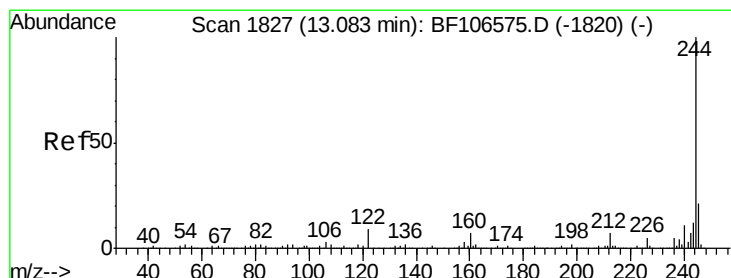
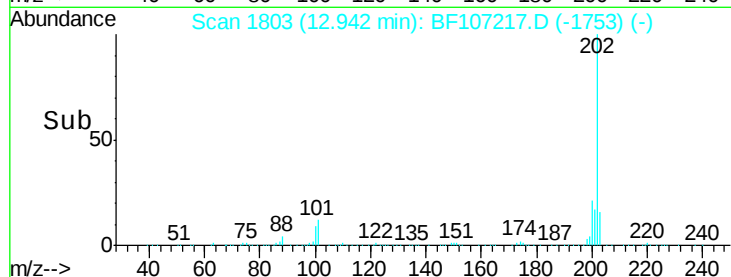
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#78

Terphenyl-d14

Concen: 92.910 ng

RT: 13.07 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF107217.D

Acq: 7 Jul 2018 19:58

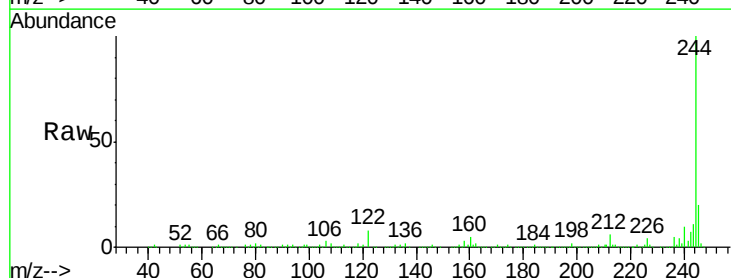
Tgt Ion: 244 Resp: 376433

Ion Ratio Lower Upper

244 100

212 6.1 5.4 8.0

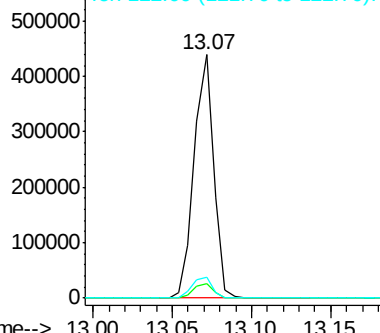
122 8.4 11.0 16.4#



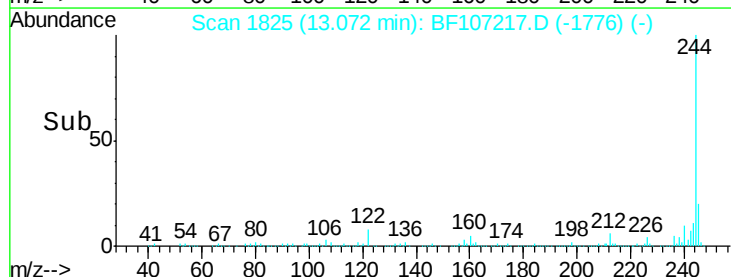
Abundance Ion 244.00 (243.70 to 244.70): E

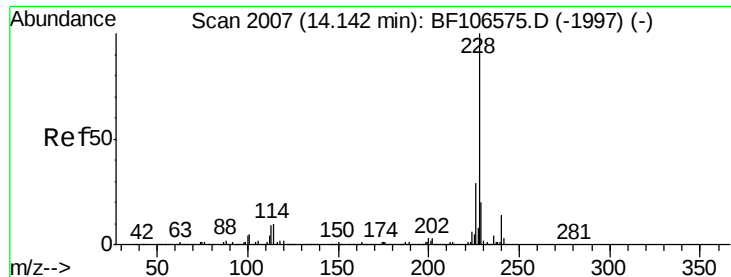
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->

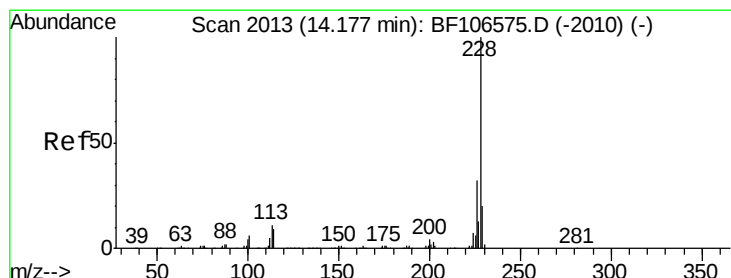
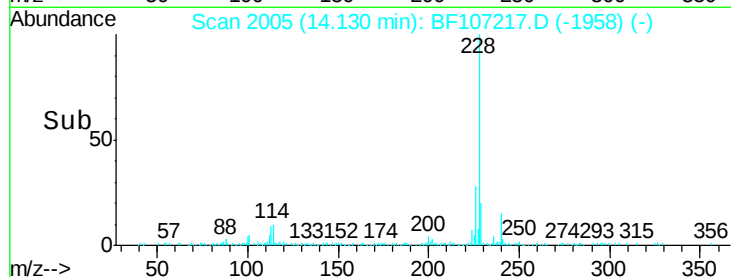
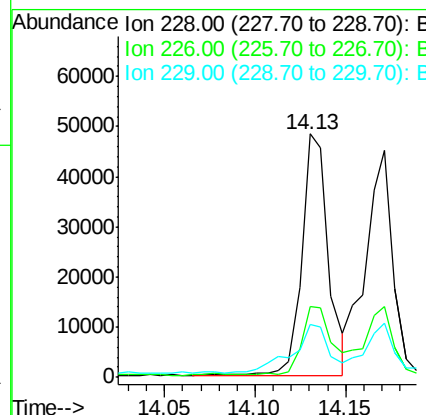
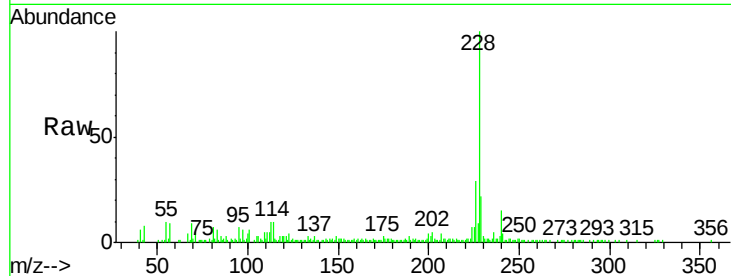




#80
Benzo(a)anthracene
Concen: 8.274 ng
RT: 14.13 min Scan# 2005
Delta R.T. -0.02 min
Lab File: BF107217.D
Acq: 7 Jul 2018 19:58

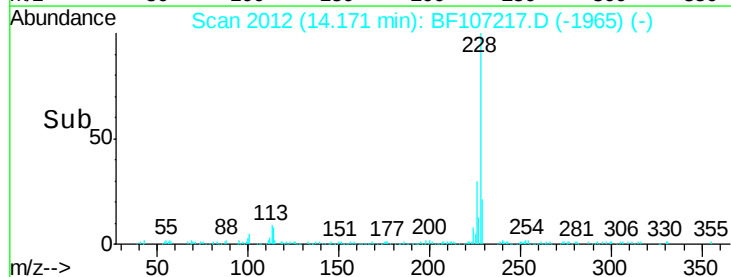
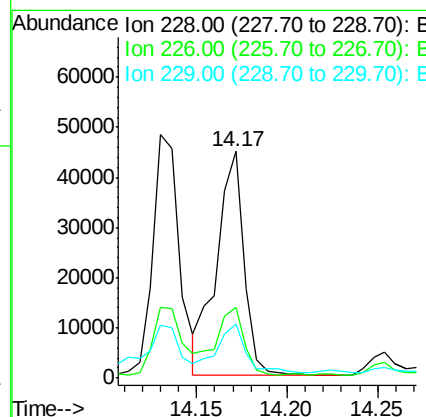
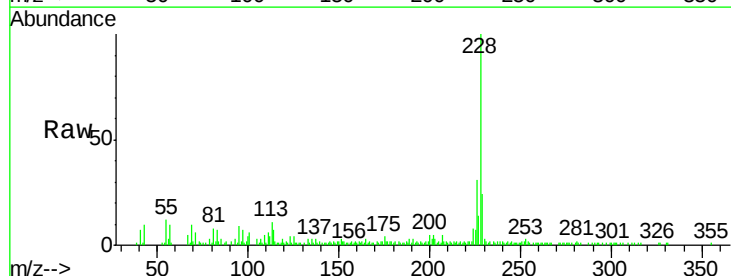
Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-16

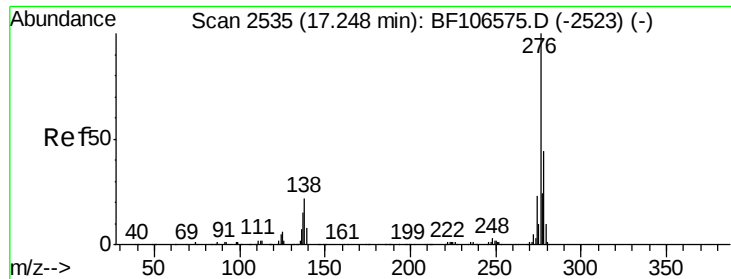
Tgt Ion:228 Resp: 49490
Ion Ratio Lower Upper
228 100
226 29.1 22.6 33.8
229 21.6 15.8 23.6



#82
Chrysene
Concen: 8.594 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.02 min
Lab File: BF107217.D
Acq: 7 Jul 2018 19:58

Tgt Ion:228 Resp: 47293
Ion Ratio Lower Upper
228 100
226 31.1 25.0 37.6
229 23.7 16.2 24.4

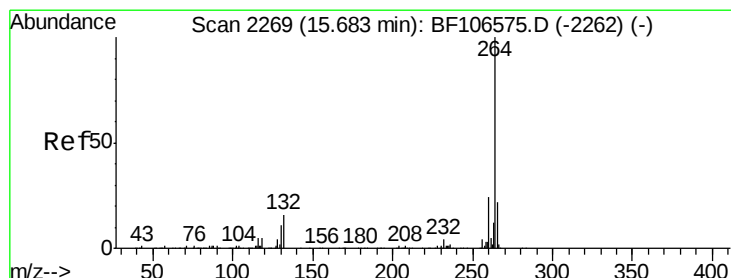
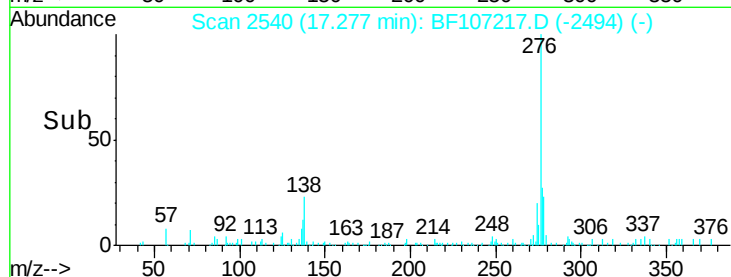
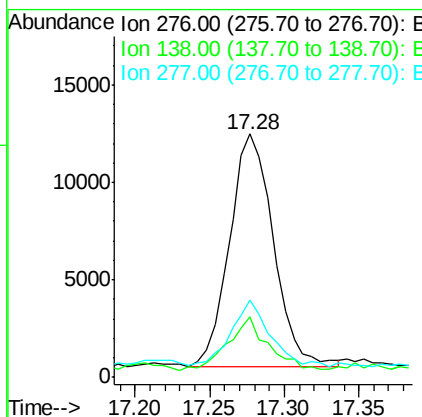
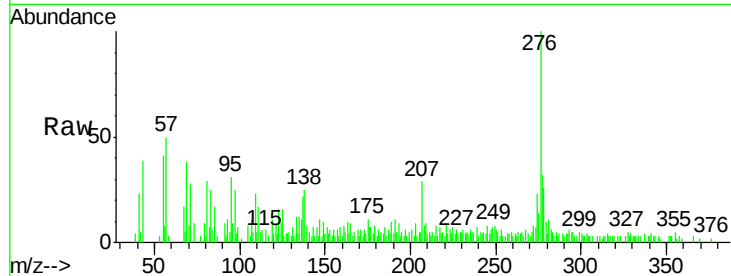




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.232 ng
 RT: 17.28 min Scan# 2540
 Delta R.T. -0.03 min
 Lab File: BF107217.D
 Acq: 7 Jul 2018 19:58

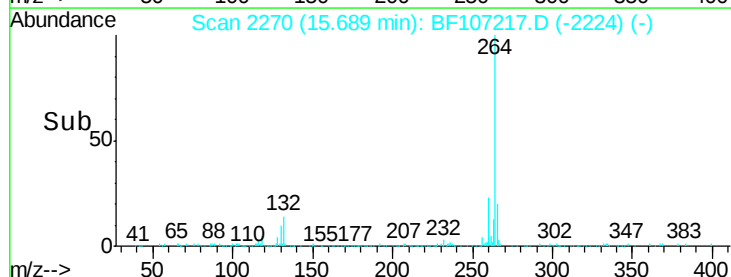
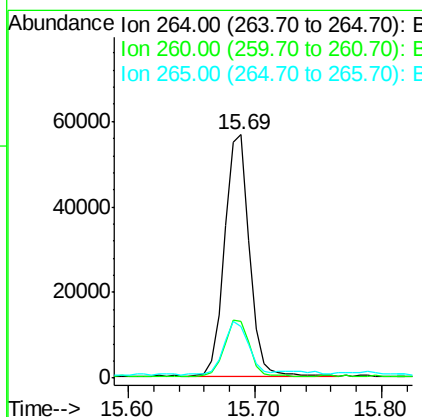
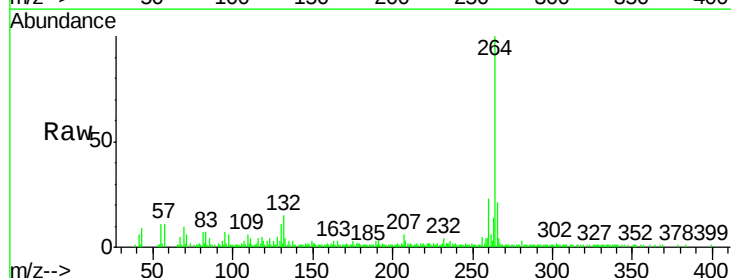
Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-16

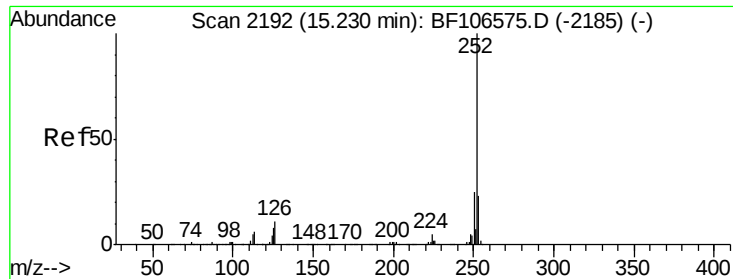
Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.0	25.0	37.6#
277	25.8	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2270
 Delta R.T. -0.03 min
 Lab File: BF107217.D
 Acq: 7 Jul 2018 19:58

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.3	17.5	26.3

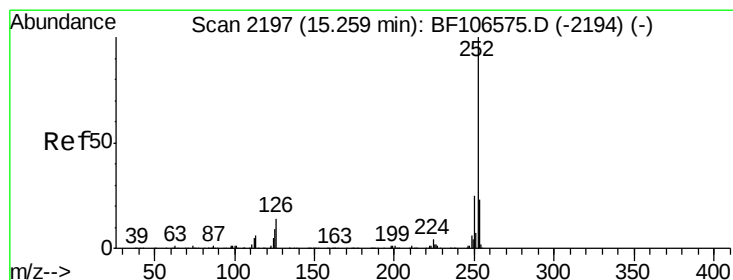
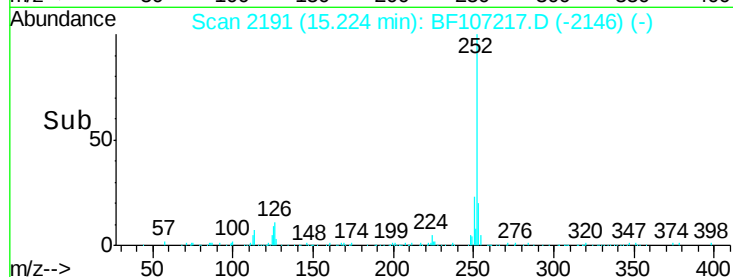
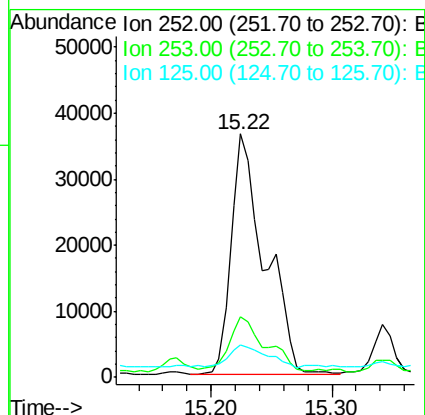
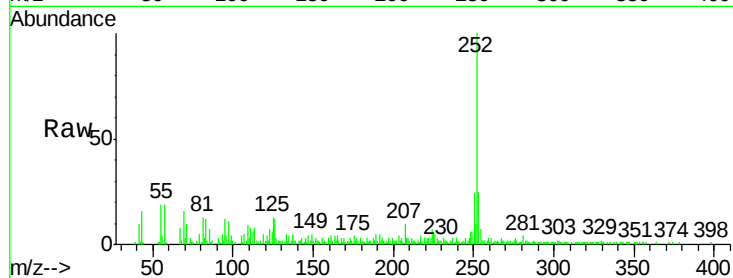




#87
Benzo(b)fluoranthene
Concen: 14.974 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.04 min
Lab File: BF107217.D
Acq: 7 Jul 2018 19:58

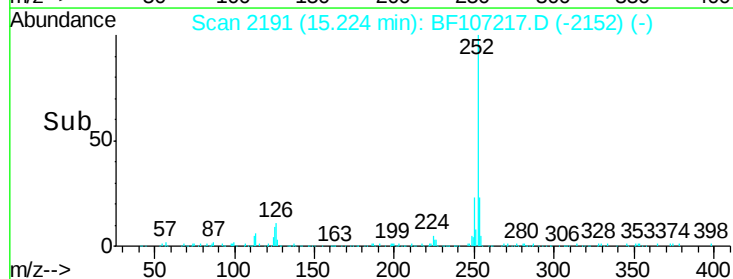
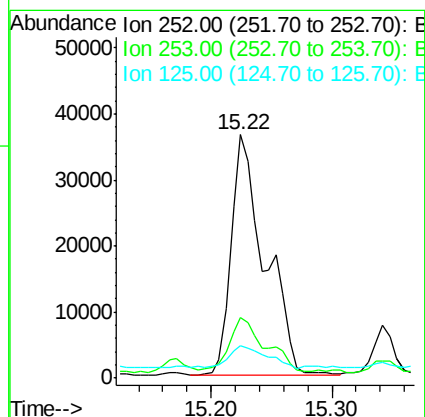
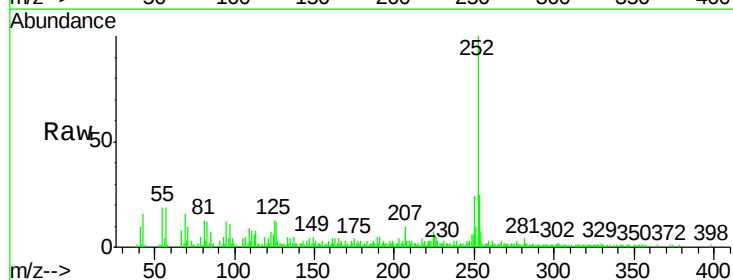
Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-16

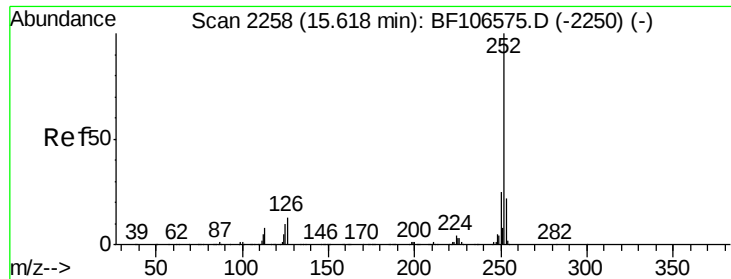
Tgt Ion:252 Resp: 70550
Ion Ratio Lower Upper
252 100
253 24.7 17.0 25.6
125 13.5 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 15.724 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.07 min
Lab File: BF107217.D
Acq: 7 Jul 2018 19:58

Tgt Ion:252 Resp: 70550
Ion Ratio Lower Upper
252 100
253 24.7 17.9 26.9
125 13.5 10.2 15.2





#89

Benzo(a)pyrene

Concen: 8.474 ng

RT: 15.62 min Scan# 2258

Delta R.T. -0.04 min

Lab File: BF107217.D

Acq: 7 Jul 2018 19:58

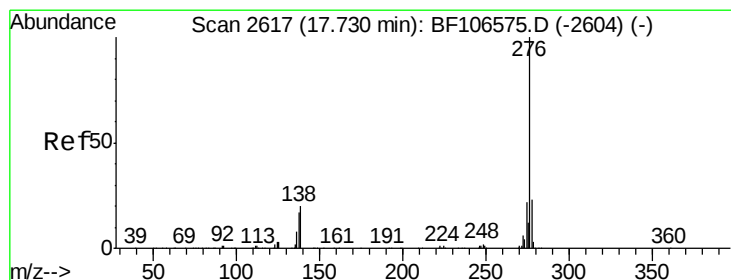
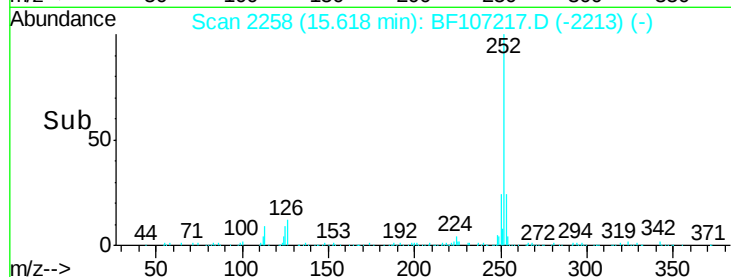
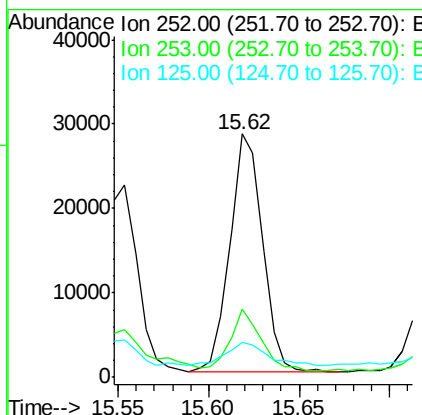
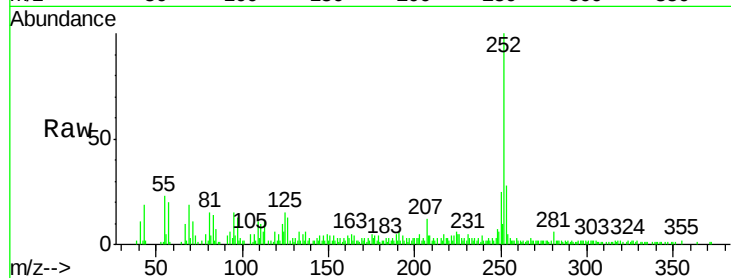
Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-16

Tgt Ion:	252	Resp:	35494
Ion Ratio	Lower	Upper	
252	100		
253	27.8	17.1	25.7#
125	14.6	9.8	14.6



#91

Benzo(g,h,i)perylene

Concen: 7.160 ng

RT: 17.77 min Scan# 2623

Delta R.T. -0.02 min

Lab File: BF107217.D

Acq: 7 Jul 2018 19:58

Tgt Ion:	276	Resp:	24842
Ion Ratio	Lower	Upper	
276	100		
277	30.5	17.9	26.9#
138	24.7	21.8	32.8

