

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070718\
 Data File : BF107208.D
 Acq On : 7 Jul 2018 16:01
 Operator : JU/SJ
 Sample : J3879-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-1

Quant Time: Jul 09 02:14:24 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

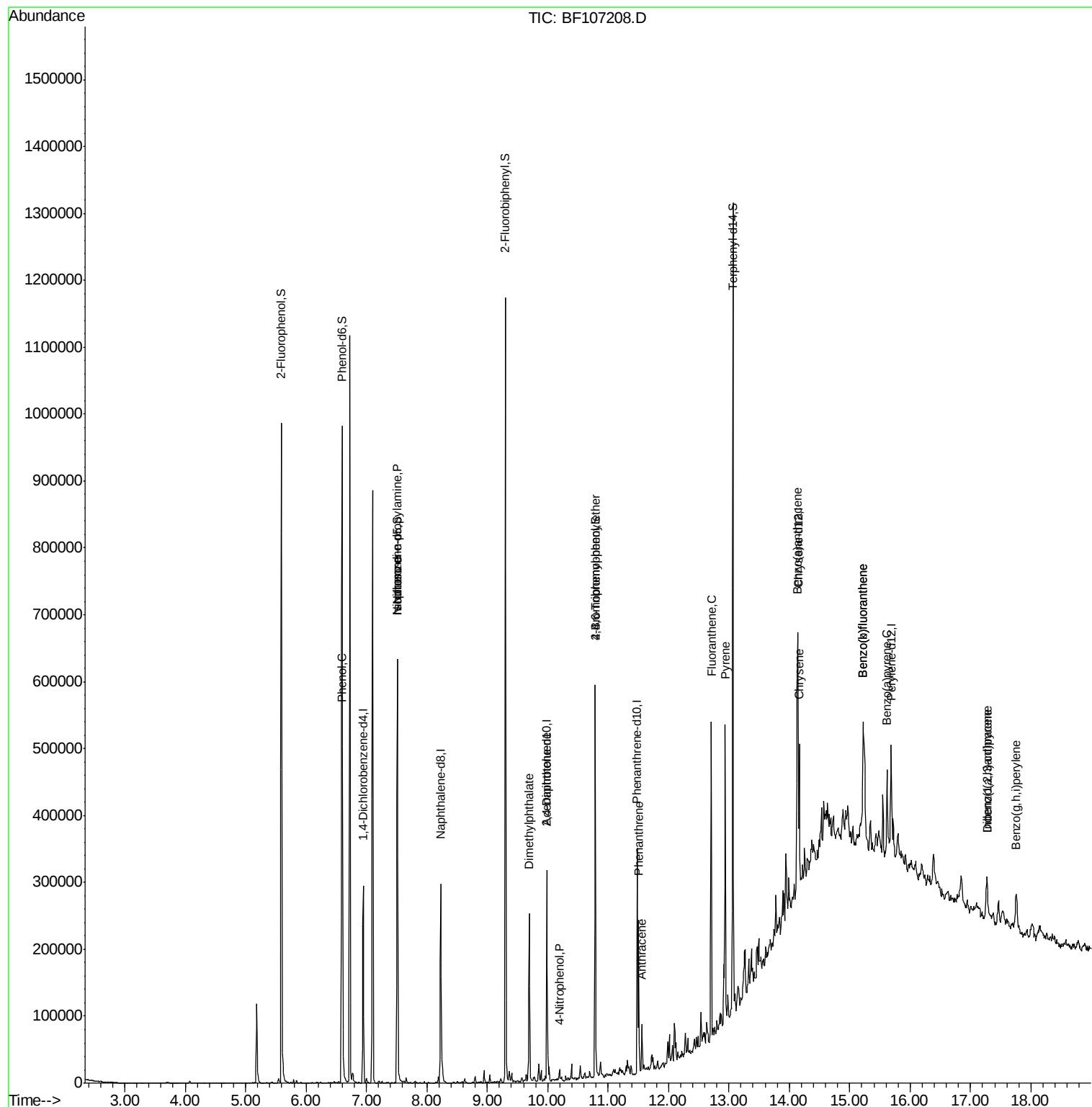
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	42502	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	144116	20.00	ng	-0.02
38) Acenaphthene-d10	9.99	164	62632	20.00	ng	-0.02
63) Phenanthrene-d10	11.48	188	124587	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	115568	20.00	ng	-0.02
86) Perylene-d12	15.68	264	85062	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	303324	120.85	ng	-0.01
7) Phenol-d6	6.60	99	362129	115.53	ng	-0.02
23) Nitrobenzene-d5	7.51	82	212073	81.78	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	91567	126.14	ng	-0.01
44) 2-Fluorobiphenyl	9.30	172	376015	105.11	ng	-0.02
78) Terphenyl-d14	13.07	244	461540	96.74	ng	-0.02
Target Compounds						Qvalue
10) Phenol	6.61	94	8008	2.239	ng	# 74
19) n-Nitroso-di-n-propylamine	7.51	70	27972	13.538	ng	# 74
25) Isophorone	7.51	82	212071	46.408	ng	# 64
49) Dimethylphthalate	9.70	163	99444	21.170	ng	# 99
55) 4-Nitrophenol	10.20	139	2578	3.227	ng	# 9
56) 2,4-Dinitrotoluene	9.99	165	8128	6.260	ng	# 21
66) 4-Bromophenyl-phenylether	10.79	248	5428	3.651	ng	# 1
70) Phenanthrene	11.51	178	84791	14.110	ng	# 97
71) Anthracene	11.56	178	30947	5.046	ng	# 99
74) Fluoranthene	12.71	202	195332	29.492	ng	# 95
77) Pyrene	12.94	202	189050	24.807	ng	# 99
80) Benzo(a)anthracene	14.13	228	110278	15.657	ng	# 97
82) Chrysene	14.17	228	94072	14.517	ng	# 97
85) Indeno(1,2,3-cd)pyrene	17.27	276	42572	7.742	ng	# 87
87) Benzo(b)fluoranthene	15.22	252	139856	26.468	ng	# 93
88) Benzo(k)fluoranthene	15.22	252	139856	27.794	ng	# 95
89) Benzo(a)pyrene	15.62	252	69691	14.836	ng	# 97
90) Dibenzo(a,h)anthracene	17.27	278	11757	2.953	ng	# 76
91) Benzo(g,h,i)perylene	17.76	276	42377	10.891	ng	# 86

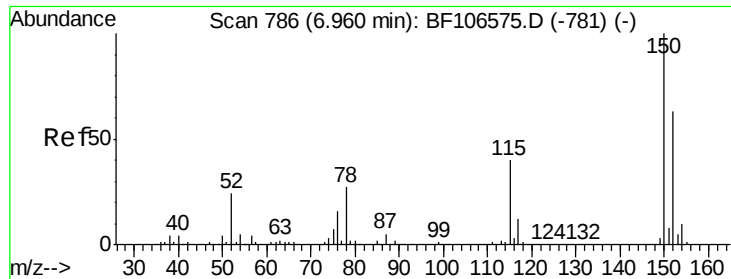
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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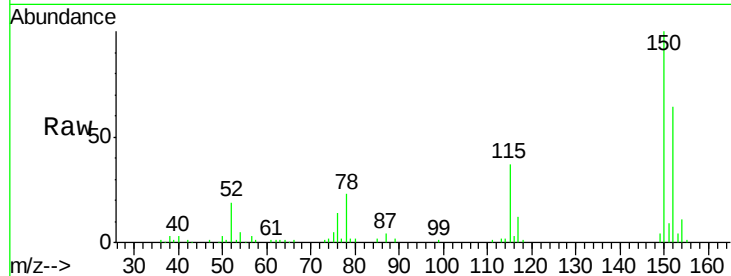


#1

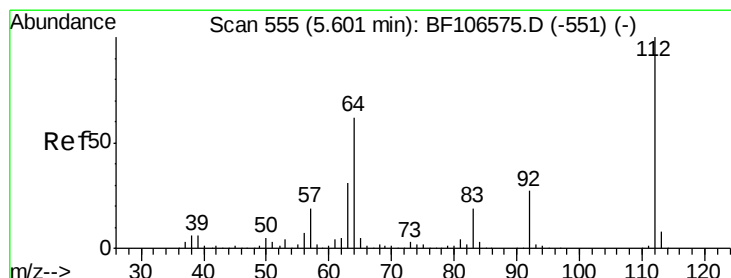
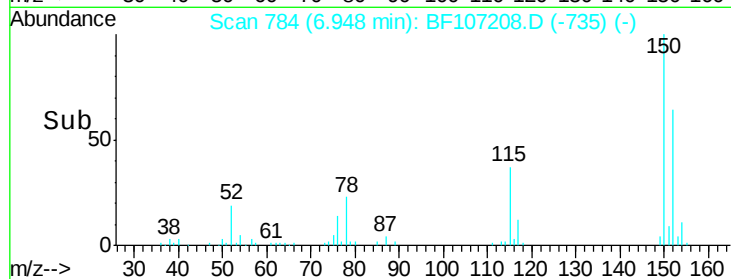
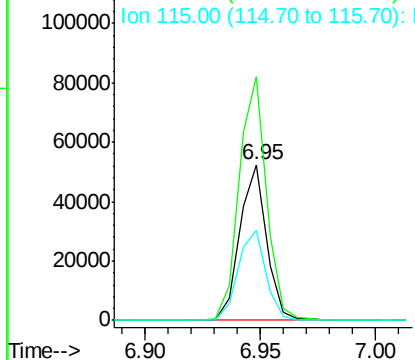
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF107208.D
Acq: 7 Jul 2018 16:01

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-1

Tgt Ion:152 Resp: 42502
Ion Ratio Lower Upper
152 100
150 156.6 124.6 186.8
115 58.0 50.1 75.1



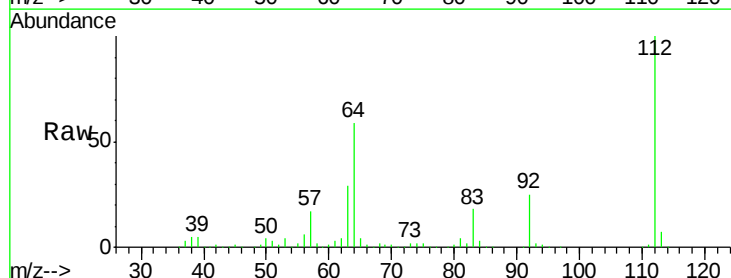
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



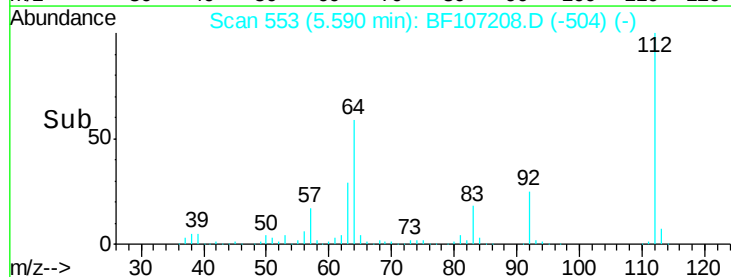
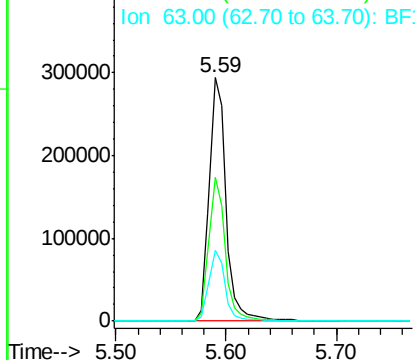
#5

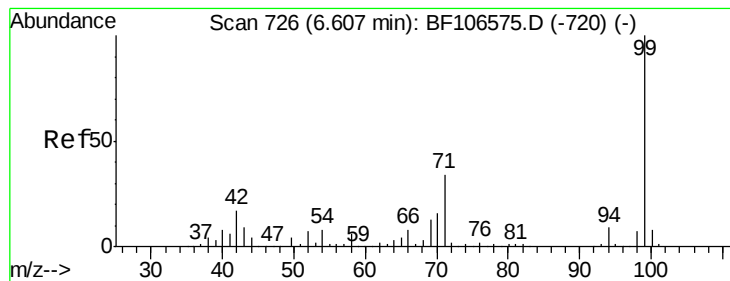
2-Fluorophenol
Concen: 120.847 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF107208.D
Acq: 7 Jul 2018 16:01

Tgt Ion:112 Resp: 303324
Ion Ratio Lower Upper
112 100
64 59.0 47.9 71.9
63 29.1 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: 115.531 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107208.D

Acq: 7 Jul 2018 16:01

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-1

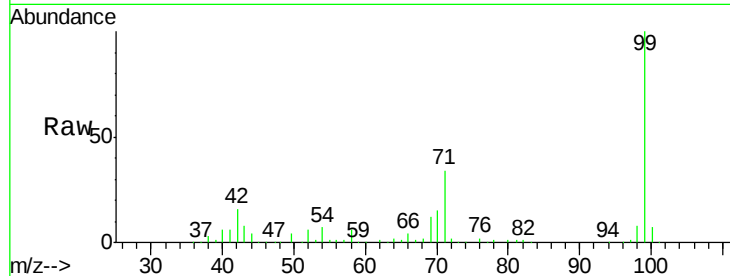
Tgt Ion: 99 Resp: 362129

Ion Ratio Lower Upper

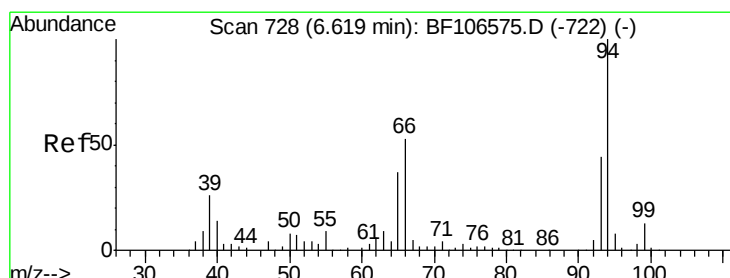
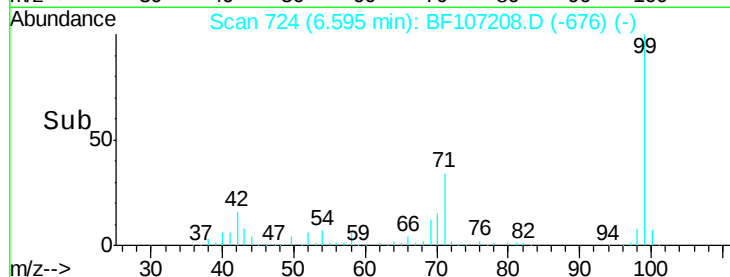
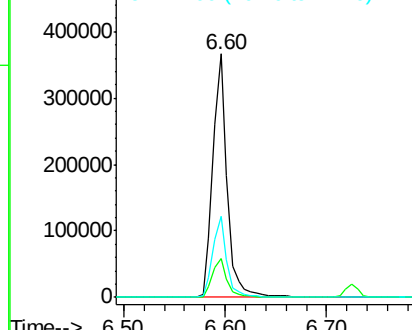
99 100

42 16.0 14.5 21.7

71 33.5 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



#10

Phenol

Concen: 2.239 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF107208.D

Acq: 7 Jul 2018 16:01

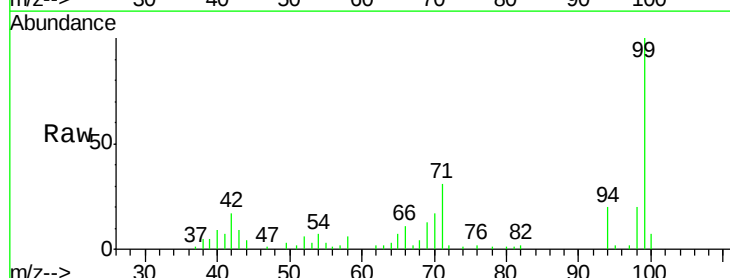
Tgt Ion: 94 Resp: 8008

Ion Ratio Lower Upper

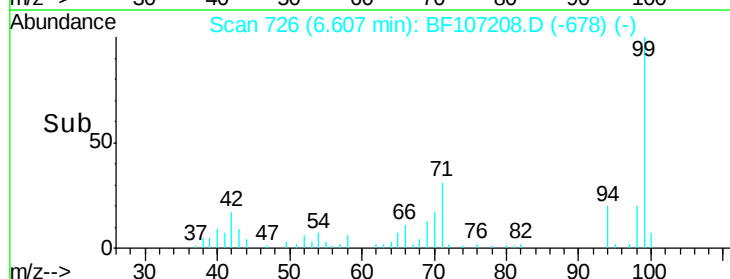
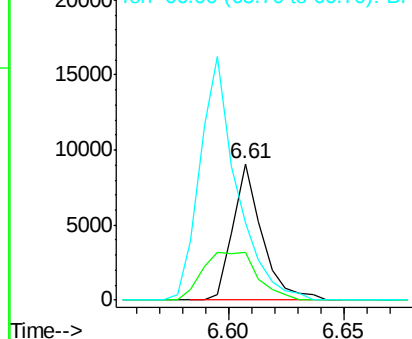
94 100

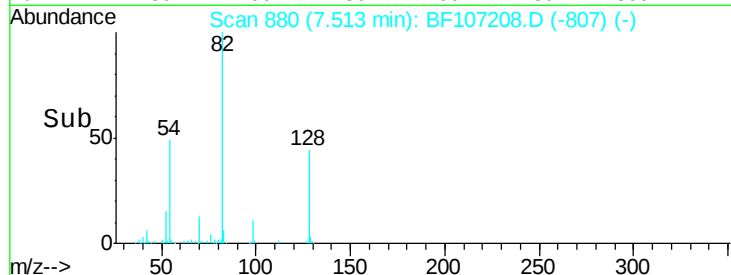
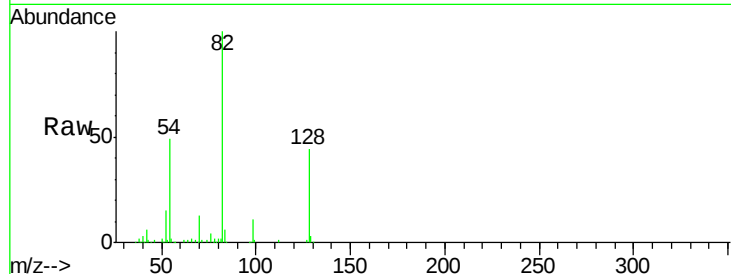
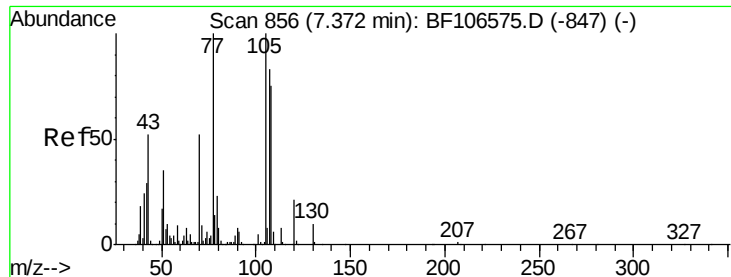
65 34.8 7.9 47.9

66 56.9 16.2 56.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

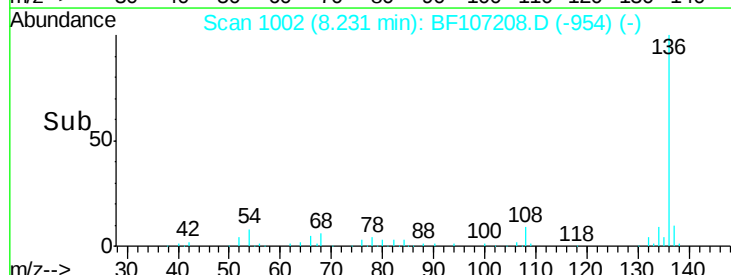
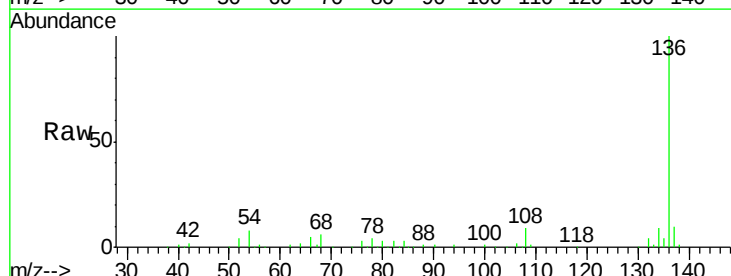
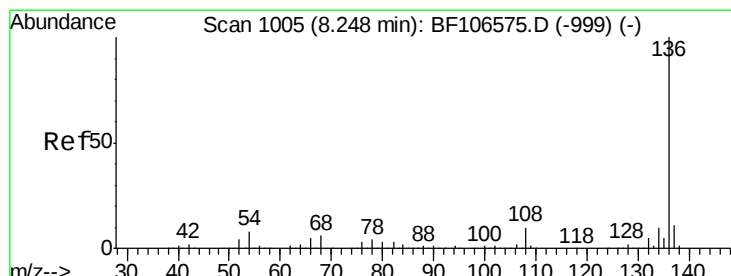
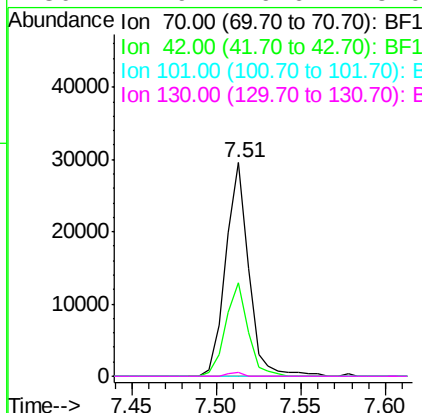




#19
n-Nitroso-di-n-propylamine
Concen: 13.538 ng
RT: 7.51 min Scan# 880
Delta R.T. 0.13 min
Lab File: BF107208.D
Acq: 7 Jul 2018 16:01

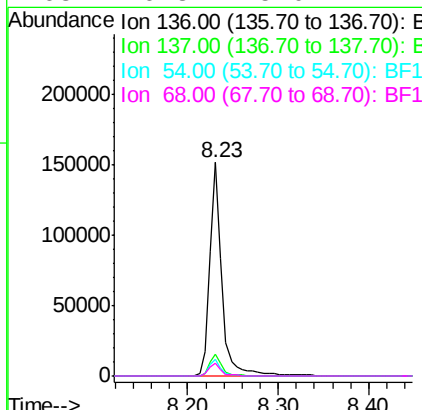
Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-1

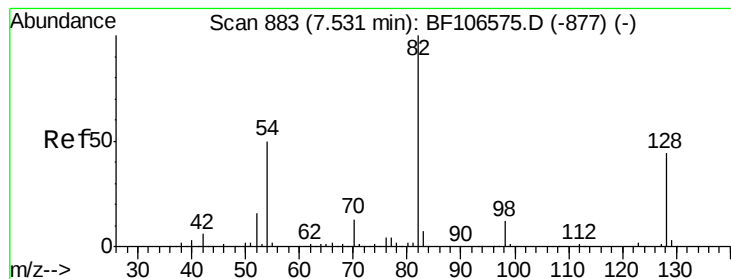
Tgt Ion: 70 Resp: 27972
Ion Ratio Lower Upper
70 100
42 43.5 47.5 71.3#
101 0.0 7.4 11.2#
130 1.9 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1002
Delta R.T. -0.02 min
Lab File: BF107208.D
Acq: 7 Jul 2018 16:01

Tgt Ion: 136 Resp: 144116
Ion Ratio Lower Upper
136 100
137 10.4 8.9 13.3
54 8.1 6.6 9.8
68 6.3 5.0 7.4





#23

Nitrobenzene-d5

Concen: 81.779 ng

RT: 7.51 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF107208.D

Acq: 7 Jul 2018 16:01

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-1

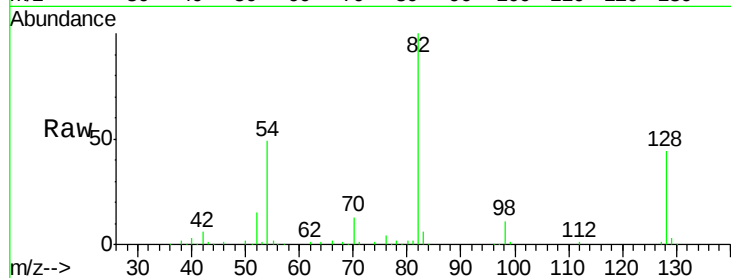
Tgt Ion: 82 Resp: 212073

Ion Ratio Lower Upper

82 100

128 43.7 36.1 54.1

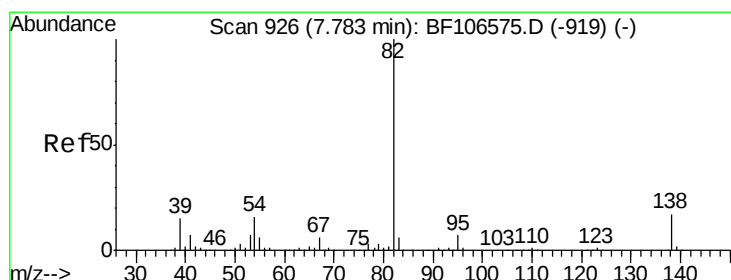
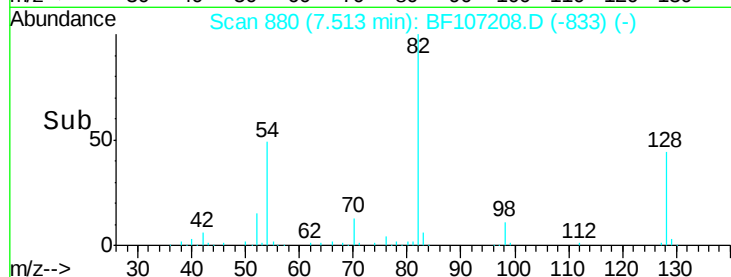
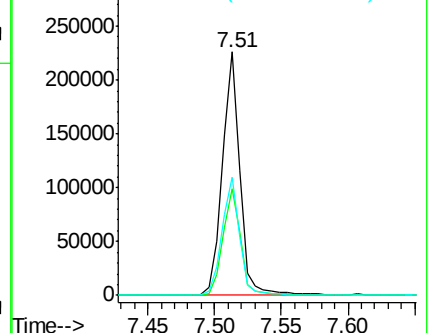
54 48.6 41.4 62.2



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: 46.408 ng

RT: 7.51 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF107208.D

Acq: 7 Jul 2018 16:01

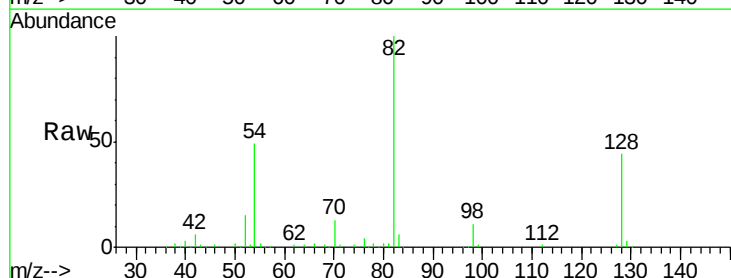
Tgt Ion: 82 Resp: 212071

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

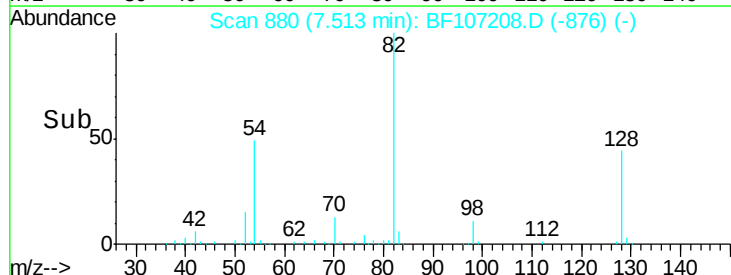
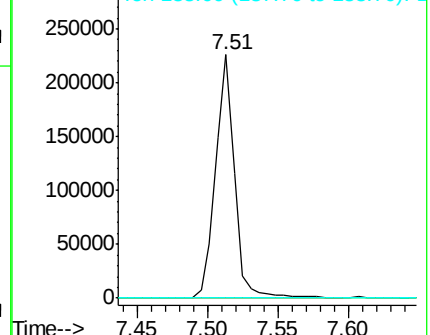
138 0.0 14.9 22.3#

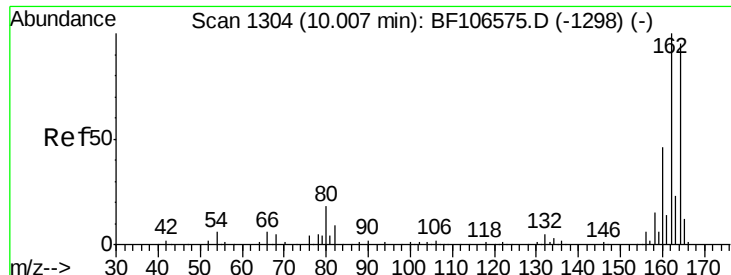


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

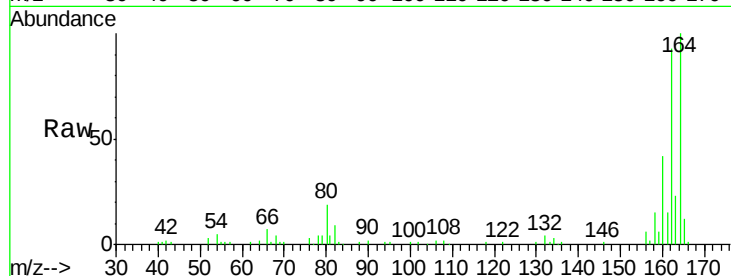




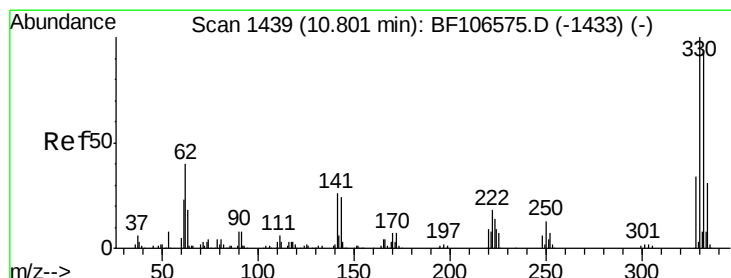
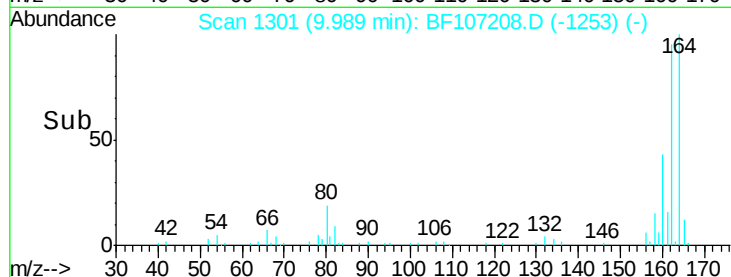
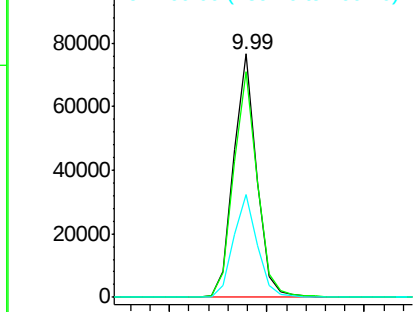
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.99 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: BF107208.D
 Acq: 7 Jul 2018 16:01

Instrument :
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 ClientSampleId :
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Tgt Ion:164 Resp: 62632
 Ion Ratio Lower Upper
 164 100
 162 92.8 86.1 129.1
 160 42.4 38.3 57.5

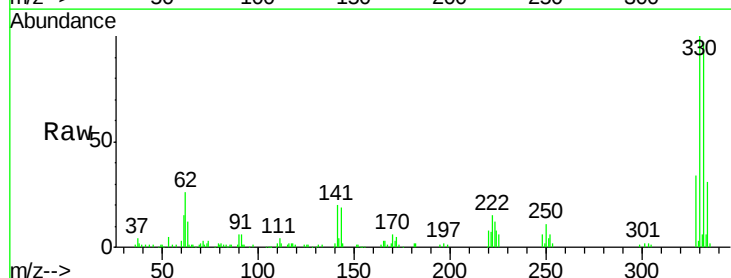


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

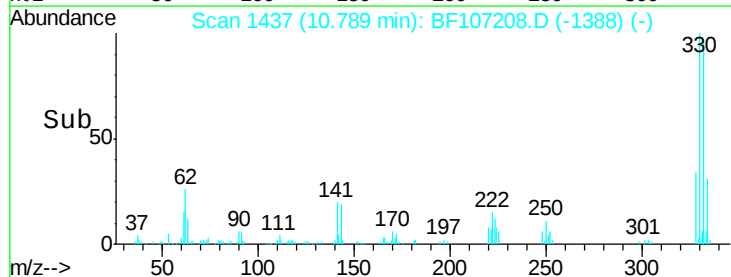
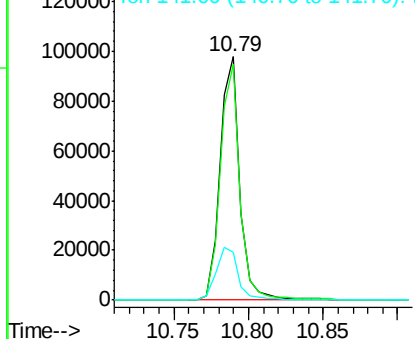


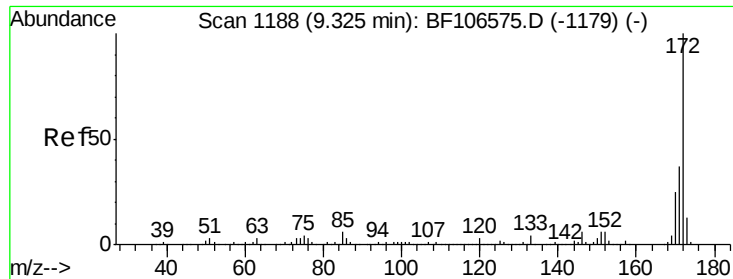
#41
 2,4,6-Tribromophenol
 Concen: 126.139 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107208.D
 Acq: 7 Jul 2018 16:01

Tgt Ion:330 Resp: 91567
 Ion Ratio Lower Upper
 330 100
 332 96.5 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

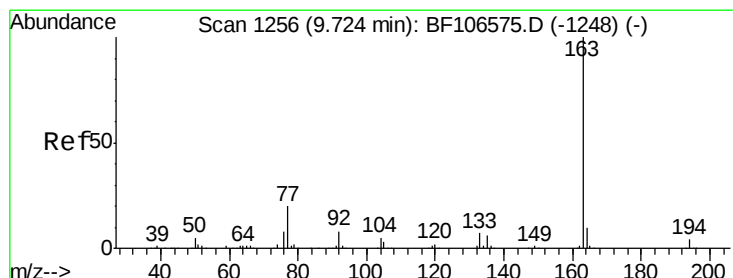
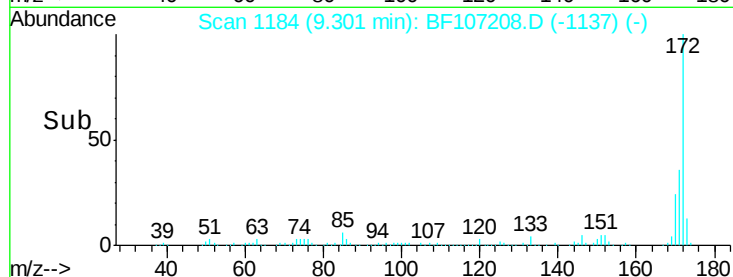
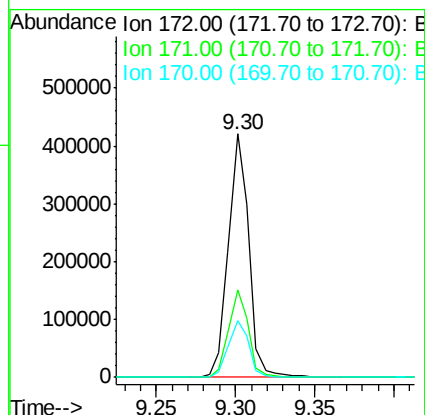
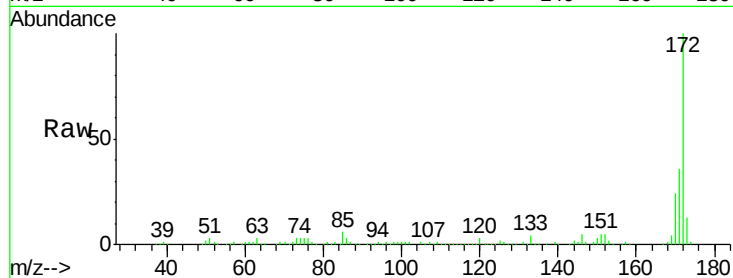




#44
 2-Fluorobiphenyl
 Concen: 105.107 ng
 RT: 9.30 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF107208.D
 Acq: 7 Jul 2018 16:01

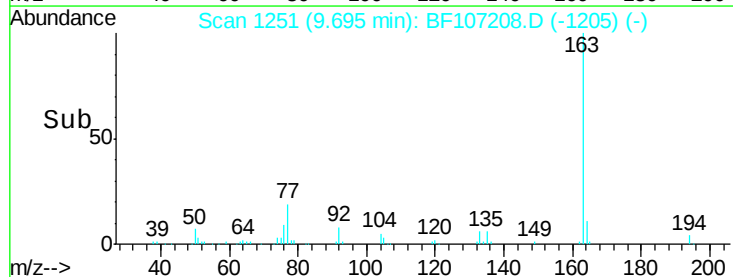
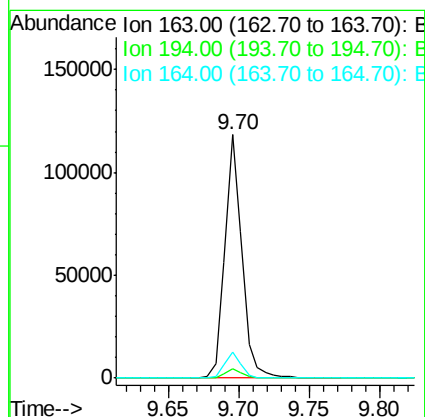
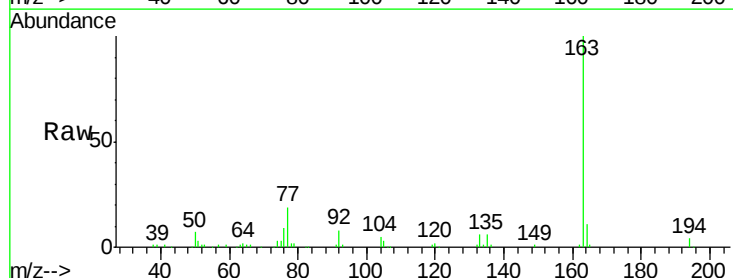
Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-1

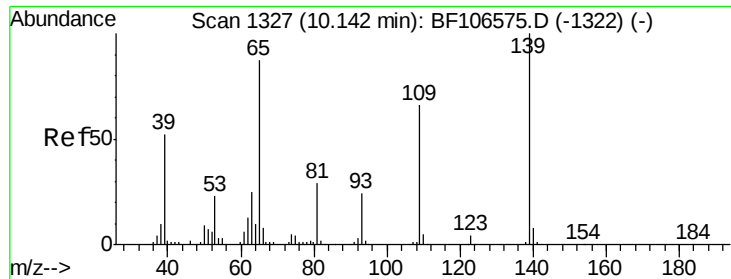
Tgt Ion:172 Resp: 376015
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.7 44.5
 170 23.5 19.6 29.4



#49
 Dimethylphthalate
 Concen: 21.170 ng
 RT: 9.70 min Scan# 1251
 Delta R.T. -0.03 min
 Lab File: BF107208.D
 Acq: 7 Jul 2018 16:01

Tgt Ion:163 Resp: 99444
 Ion Ratio Lower Upper
 163 100
 194 3.6 2.7 4.1
 164 10.6 8.2 12.2

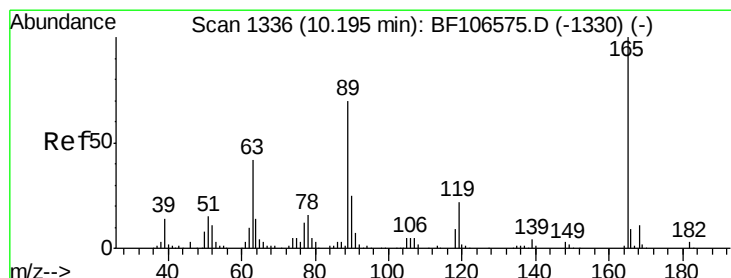
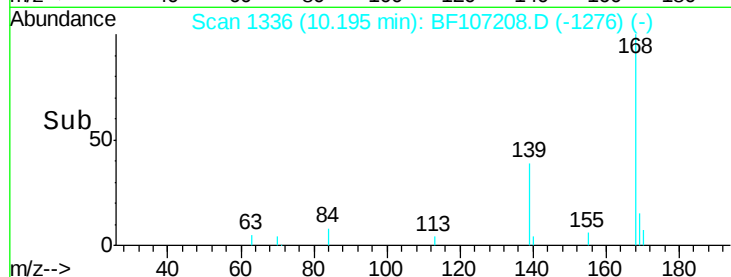
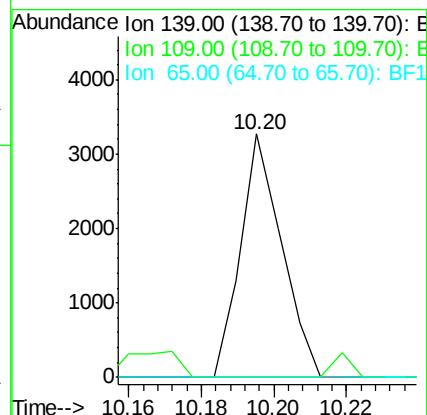
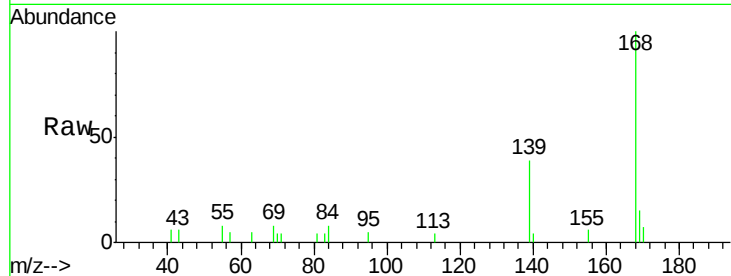




#55
4-Nitrophenol
Concen: 3.227 ng
RT: 10.20 min Scan# 1336
Delta R.T. 0.05 min
Lab File: BF107208.D
Acq: 7 Jul 2018 16:01

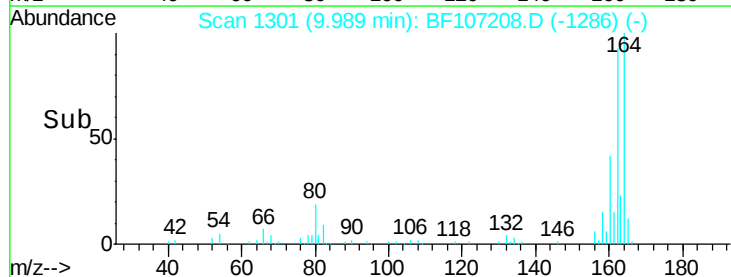
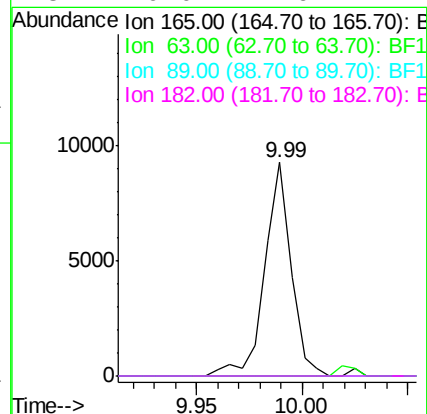
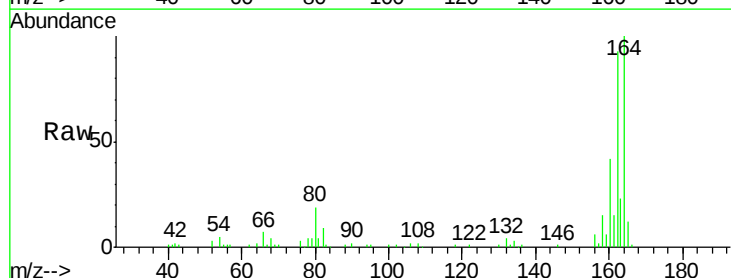
Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-1

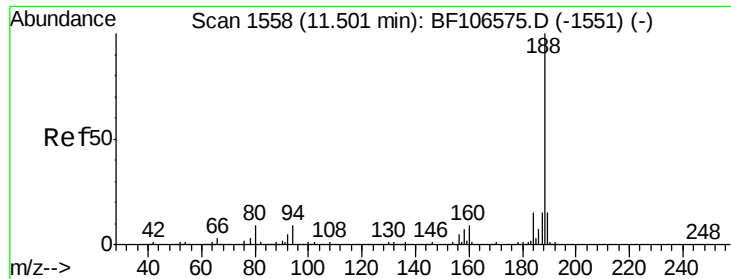
Tgt Ion:139 Resp: 2578
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 6.260 ng
RT: 9.99 min Scan# 1301
Delta R.T. -0.21 min
Lab File: BF107208.D
Acq: 7 Jul 2018 16:01

Tgt Ion:165 Resp: 8128
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#

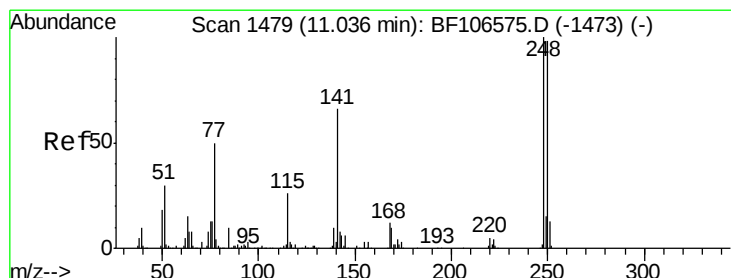
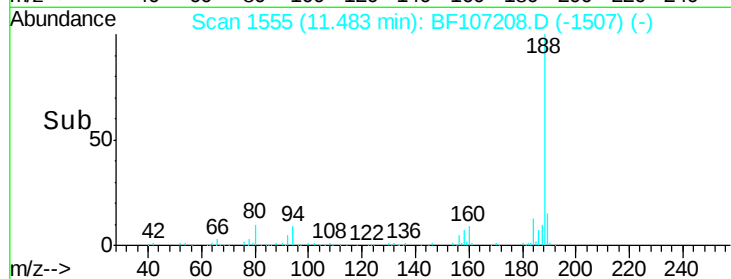
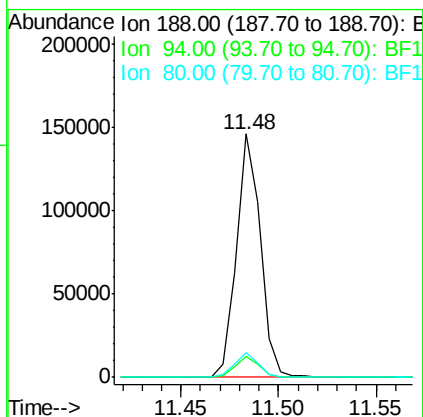
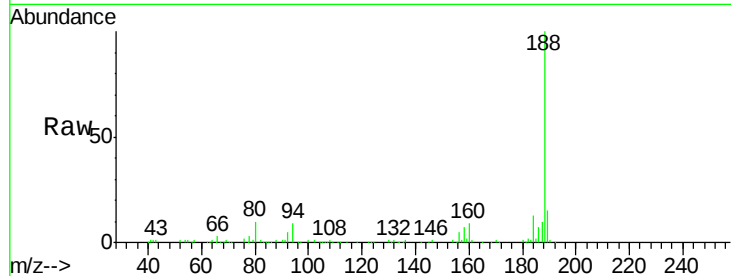




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1555
Delta R.T. -0.02 min
Lab File: BF107208.D
Acq: 7 Jul 2018 16:01

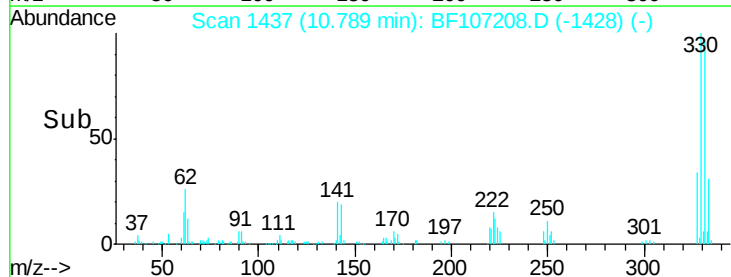
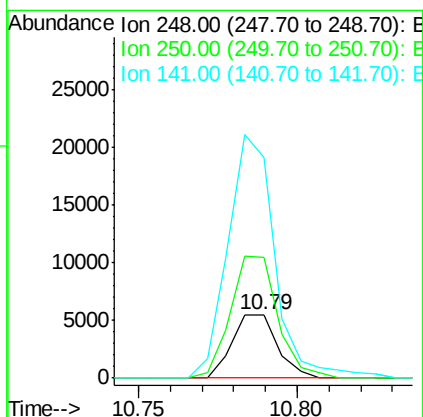
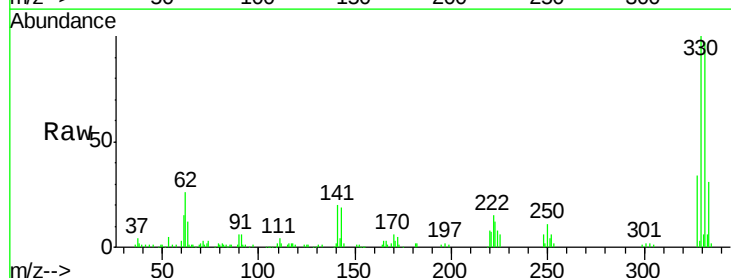
Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-1

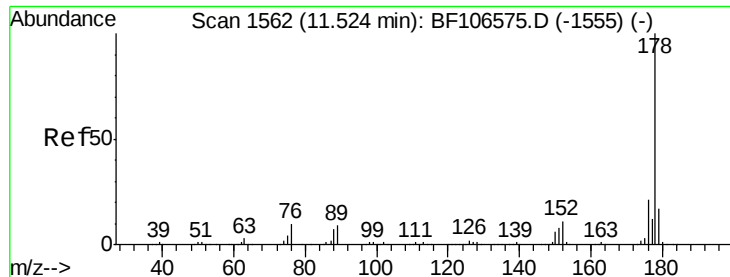
Tgt Ion:188 Resp: 124587
Ion Ratio Lower Upper
188 100
94 8.6 8.5 12.7
80 10.3 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 3.651 ng
RT: 10.79 min Scan# 1437
Delta R.T. -0.25 min
Lab File: BF107208.D
Acq: 7 Jul 2018 16:01

Tgt Ion:248 Resp: 5428
Ion Ratio Lower Upper
248 100
250 189.8 76.9 115.3#
141 347.2 74.4 111.6#





#70

Phenanthrene

Concen: 14.110 ng

RT: 11.51 min Scan# 1559

Delta R.T. -0.02 min

Lab File: BF107208.D

Acq: 7 Jul 2018 16:01

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-1

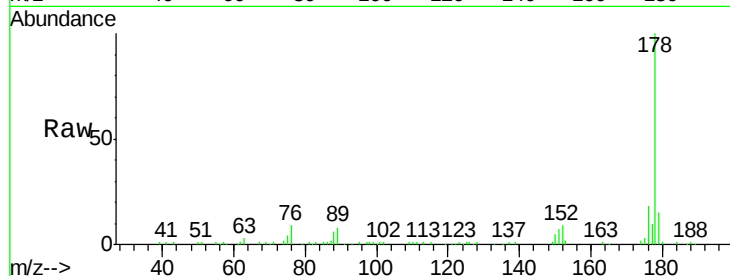
Tgt Ion:178 Resp: 84791

Ion Ratio Lower Upper

178 100

176 18.3 15.8 23.8

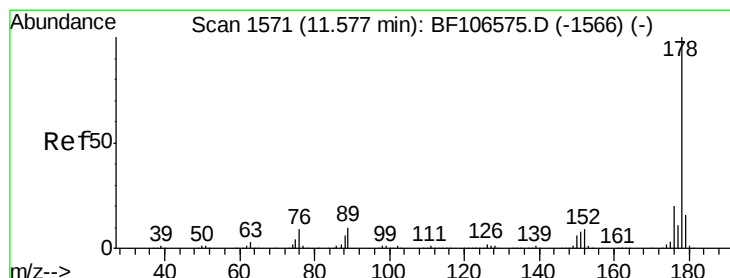
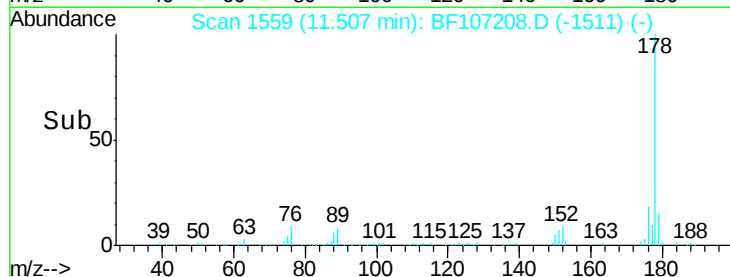
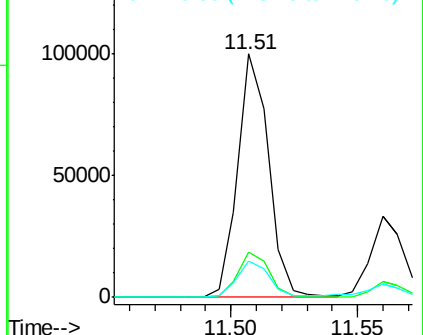
179 15.1 13.0 19.6



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: 5.046 ng

RT: 11.56 min Scan# 1568

Delta R.T. -0.02 min

Lab File: BF107208.D

Acq: 7 Jul 2018 16:01

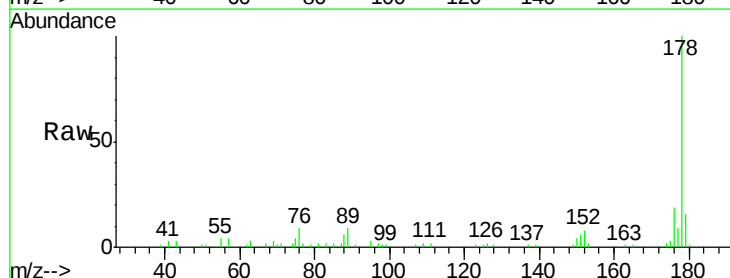
Tgt Ion:178 Resp: 30947

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

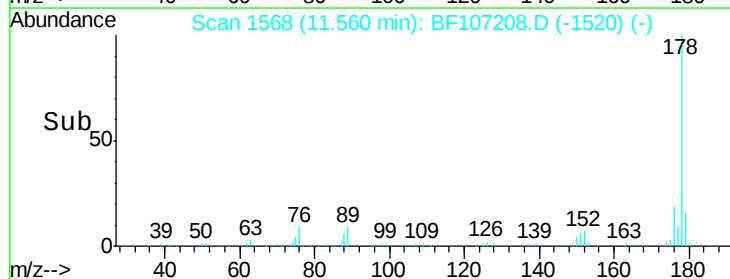
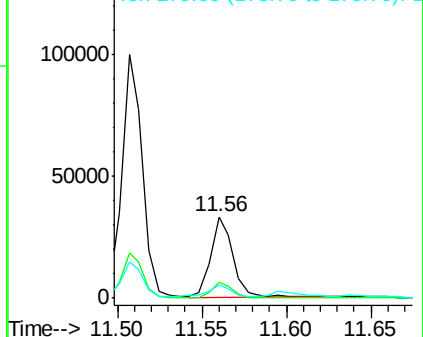
179 15.6 12.6 19.0

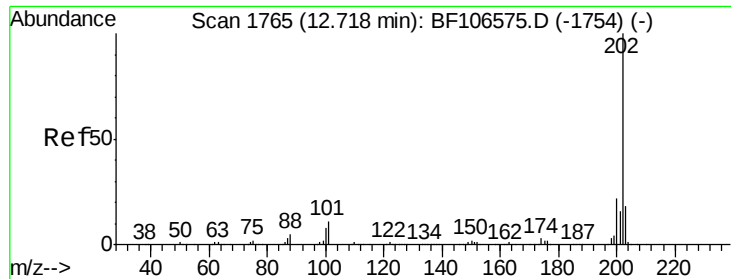


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

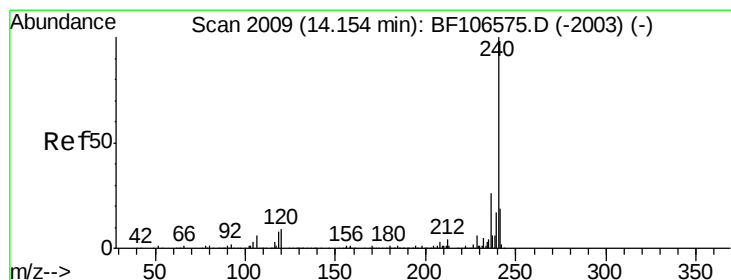
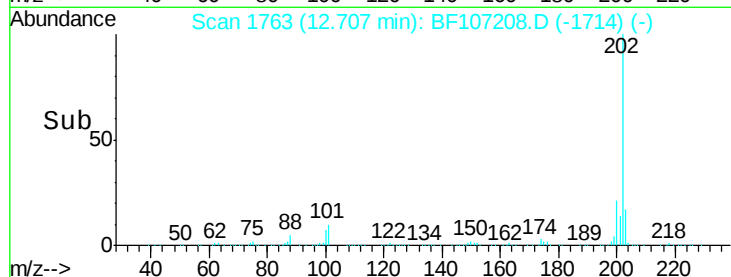
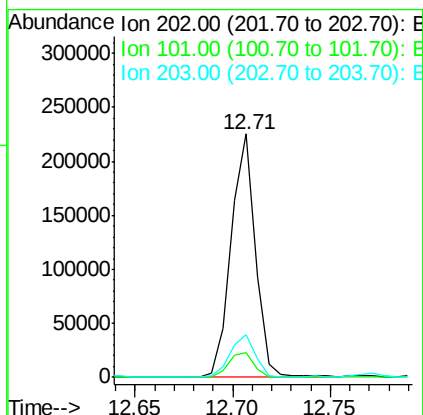
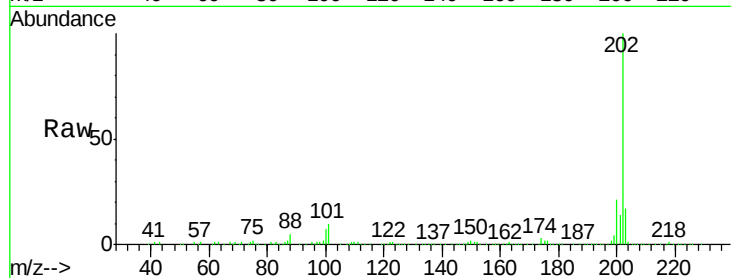




#74
Fluoranthene
Concen: 29.492 ng
RT: 12.71 min Scan# 1763
Delta R.T. -0.01 min
Lab File: BF107208.D
Acq: 7 Jul 2018 16:01

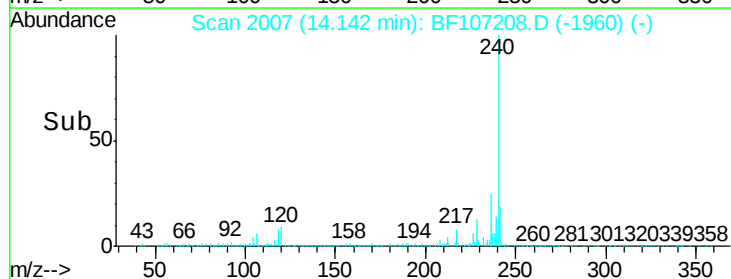
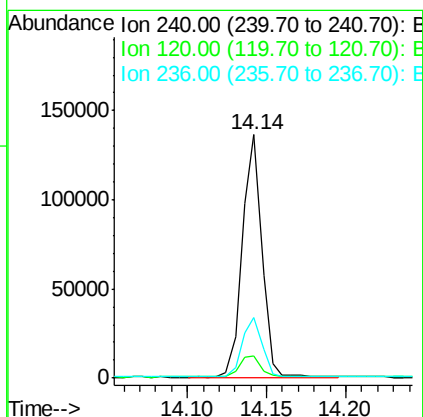
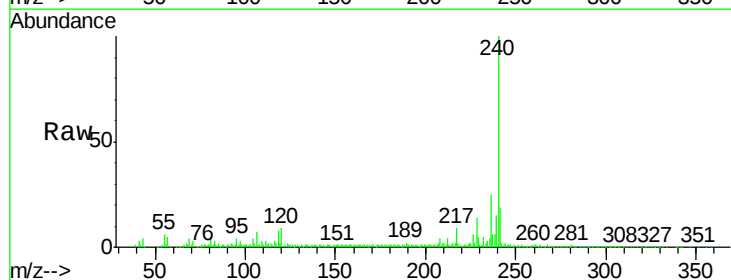
Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-1

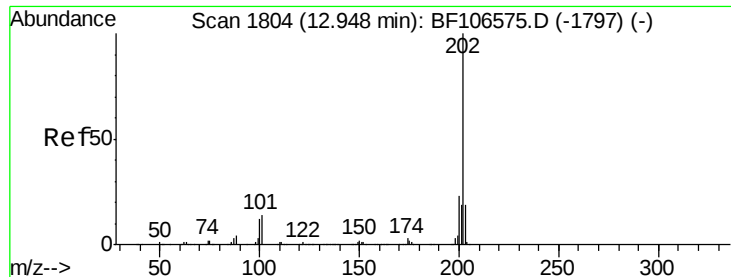
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	34.1
203	17.4	0.0	38.1



#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2007
Delta R.T. -0.02 min
Lab File: BF107208.D
Acq: 7 Jul 2018 16:01

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.3	9.5	14.3#
236	25.1	20.7	31.1

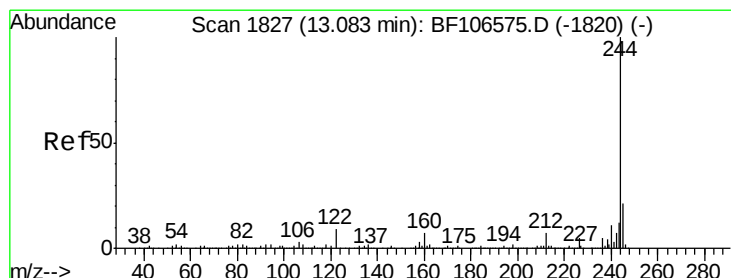
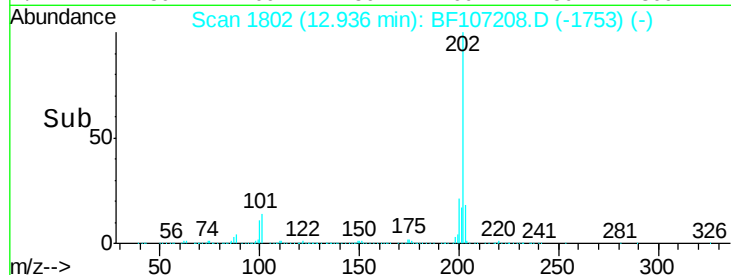
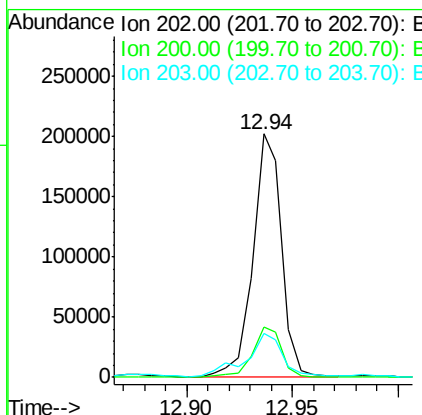
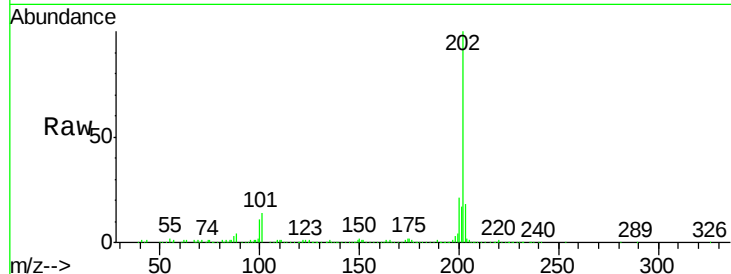




#77
 Pyrene
 Concen: 24.807 ng
 RT: 12.94 min Scan# 1802
 Delta R.T. -0.01 min
 Lab File: BF107208.D
 Acq: 7 Jul 2018 16:01

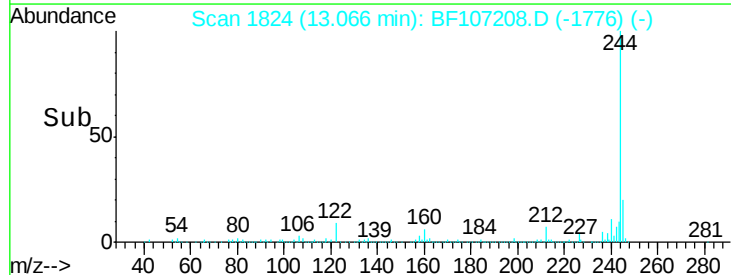
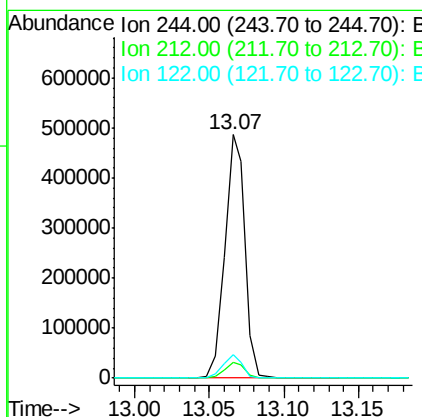
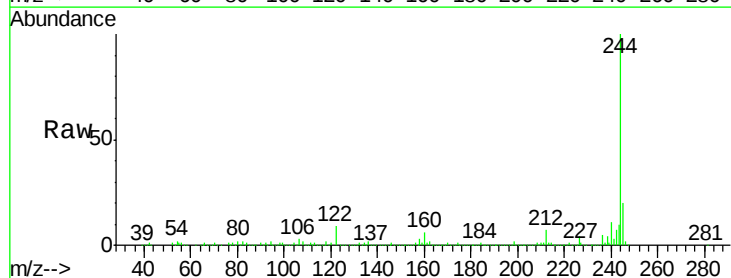
Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-1

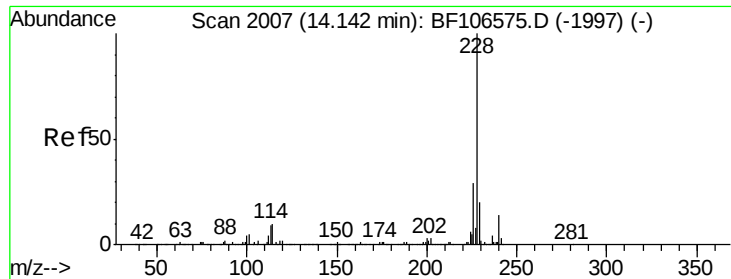
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.4	26.2
203	18.2	14.3	21.5



#78
 Terphenyl-d14
 Concen: 96.739 ng
 RT: 13.07 min Scan# 1824
 Delta R.T. -0.02 min
 Lab File: BF107208.D
 Acq: 7 Jul 2018 16:01

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	9.4	11.0	16.4#

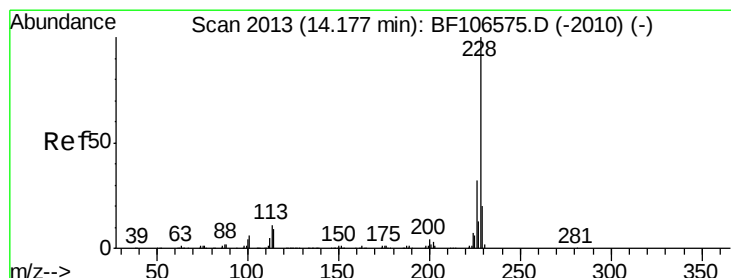
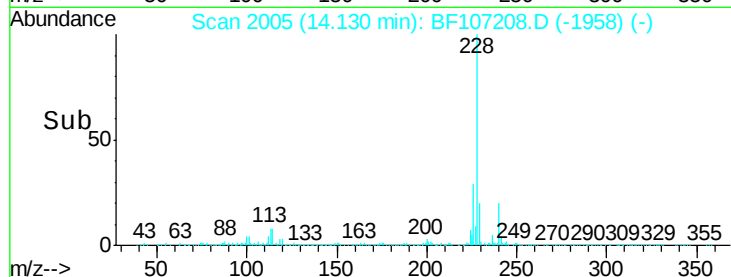
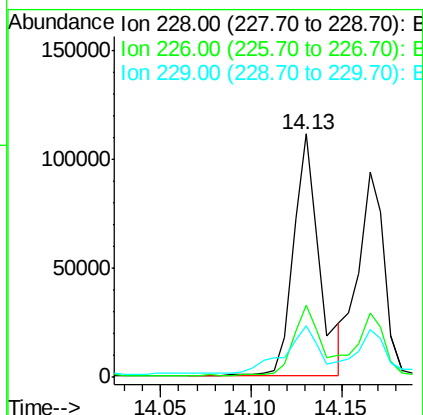
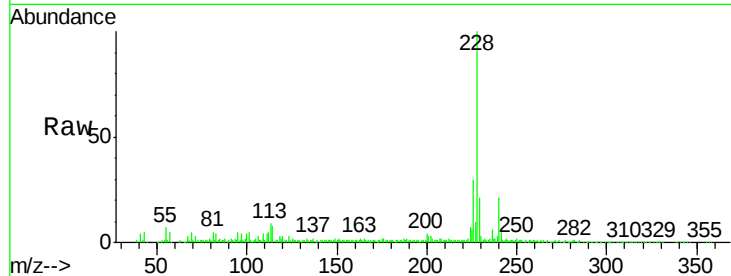




#80
Benzo(a)anthracene
Concen: 15.657 ng
RT: 14.13 min Scan# 2005
Delta R.T. -0.02 min
Lab File: BF107208.D
Acq: 7 Jul 2018 16:01

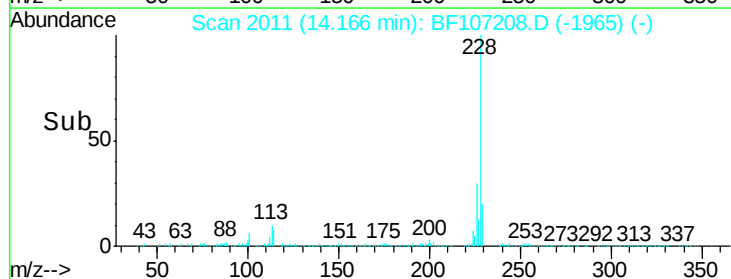
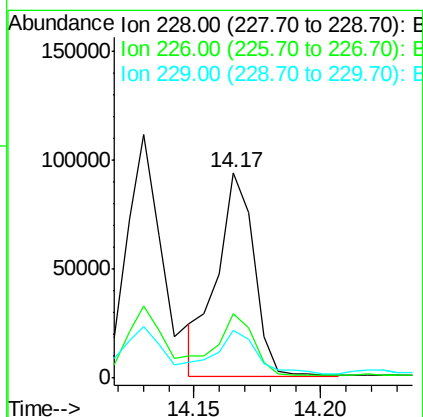
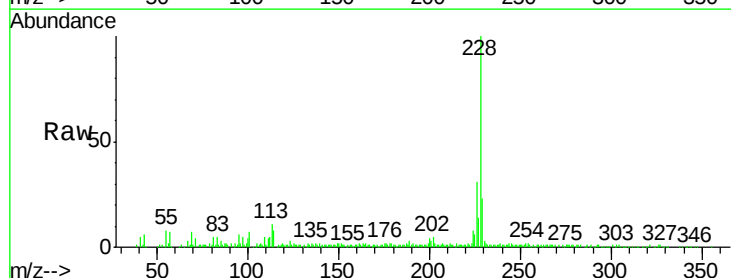
Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-1

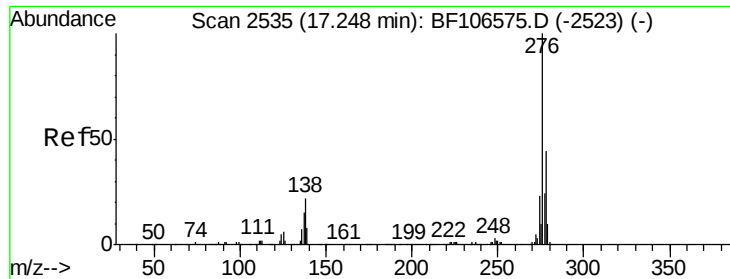
Tgt Ion:228 Resp: 110278
Ion Ratio Lower Upper
228 100
226 29.7 22.6 33.8
229 21.3 15.8 23.6



#82
Chrysene
Concen: 14.517 ng
RT: 14.17 min Scan# 2011
Delta R.T. -0.03 min
Lab File: BF107208.D
Acq: 7 Jul 2018 16:01

Tgt Ion:228 Resp: 94072
Ion Ratio Lower Upper
228 100
226 31.4 25.0 37.6
229 23.5 16.2 24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 7.742 ng

RT: 17.27 min Scan# 2539

Delta R.T. -0.04 min

Lab File: BF107208.D

Acq: 7 Jul 2018 16:01

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-1

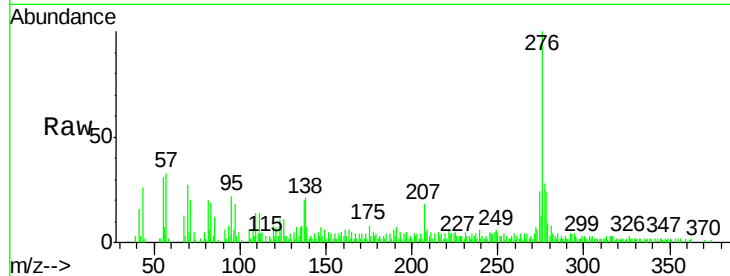
Tgt Ion:276 Resp: 42572

Ion Ratio Lower Upper

276 100

138 18.6 25.0 37.6#

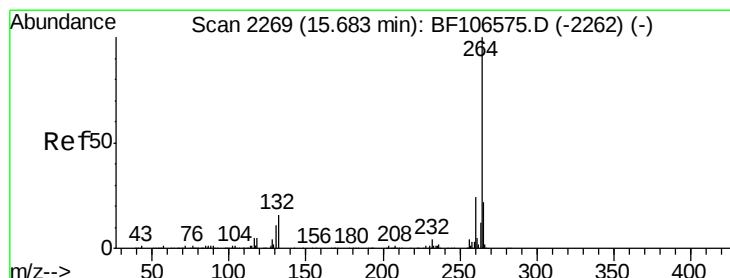
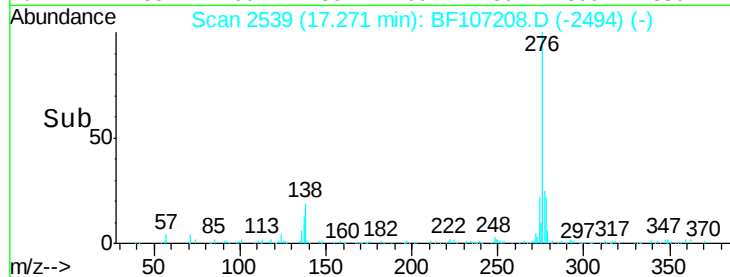
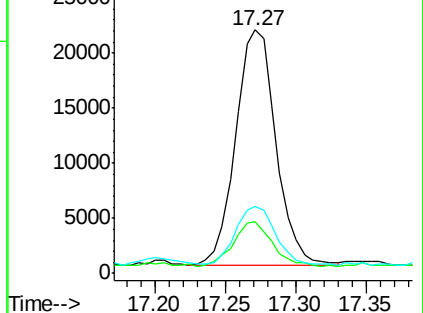
277 24.6 20.1 30.1



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: 15.68 min Scan# 2269

Delta R.T. -0.04 min

Lab File: BF107208.D

Acq: 7 Jul 2018 16:01

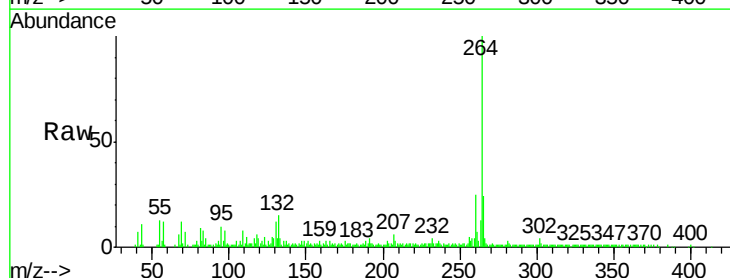
Tgt Ion:264 Resp: 85062

Ion Ratio Lower Upper

264 100

260 25.2 19.2 28.8

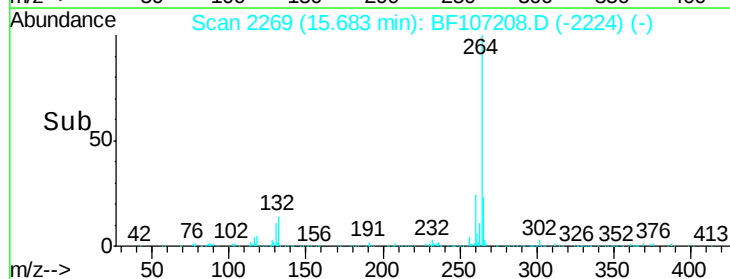
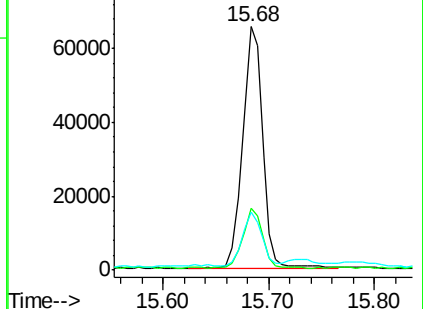
265 24.0 17.5 26.3

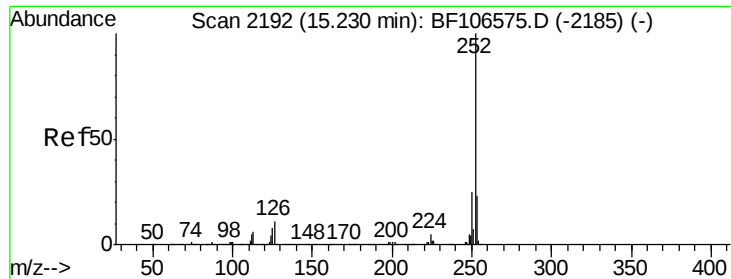


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 26.468 ng

RT: 15.22 min Scan# 2191

Delta R.T. -0.04 min

Lab File: BF107208.D

Acq: 7 Jul 2018 16:01

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-1

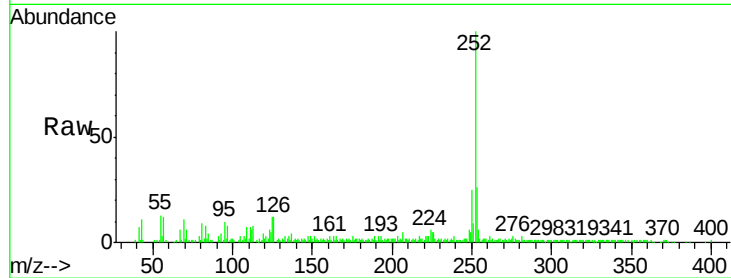
Tgt Ion:252 Resp: 139856

Ion Ratio Lower Upper

252 100

253 25.7 17.0 25.6#

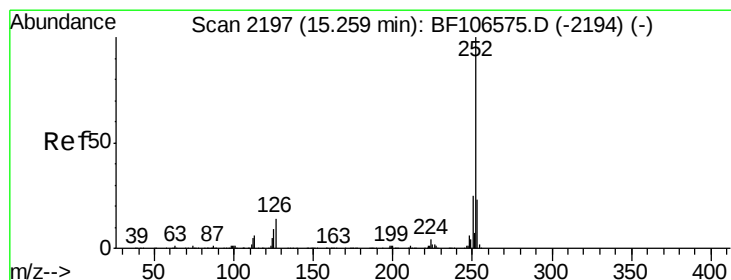
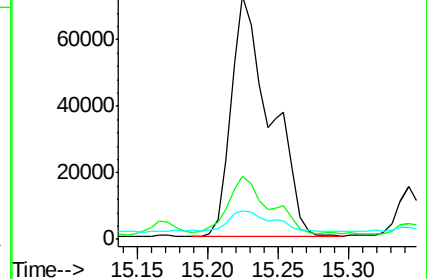
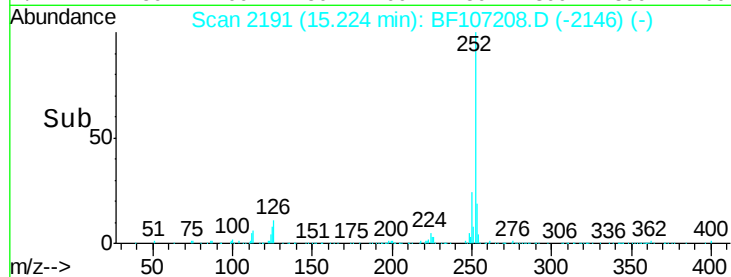
125 11.8 9.0 13.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 27.794 ng

RT: 15.22 min Scan# 2191

Delta R.T. -0.07 min

Lab File: BF107208.D

Acq: 7 Jul 2018 16:01

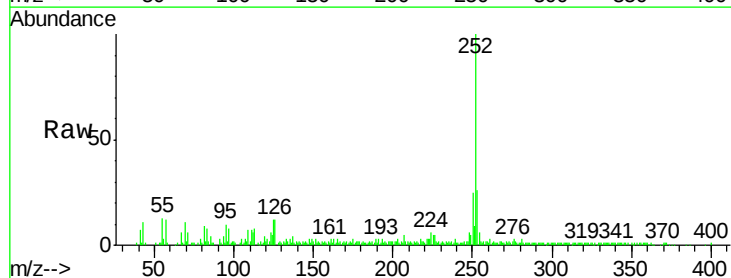
Tgt Ion:252 Resp: 139856

Ion Ratio Lower Upper

252 100

253 25.7 17.9 26.9

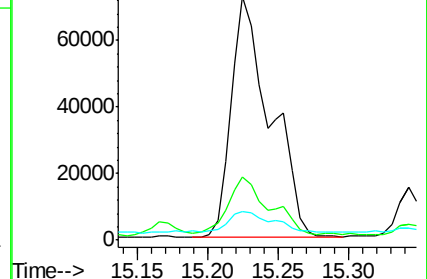
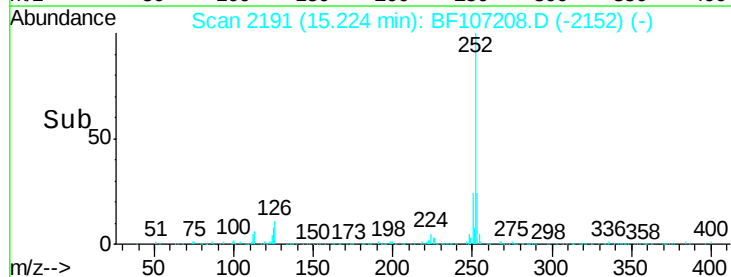
125 11.8 10.2 15.2

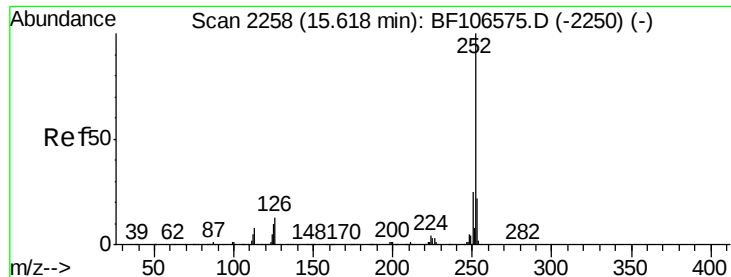


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 14.836 ng

RT: 15.62 min Scan# 2258

Delta R.T. -0.04 min

Lab File: BF107208.D

Acq: 7 Jul 2018 16:01

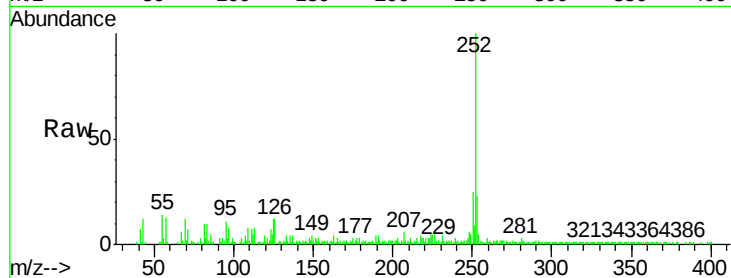
Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-1

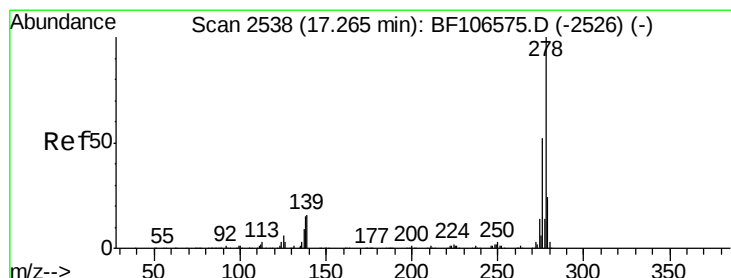
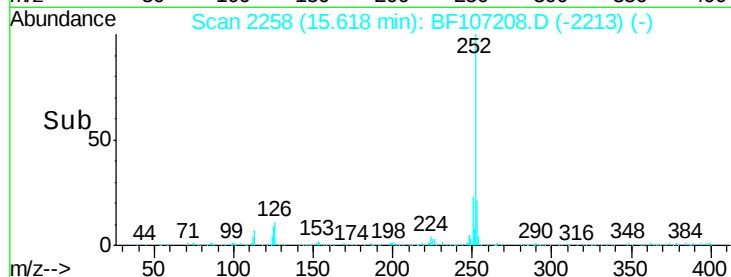
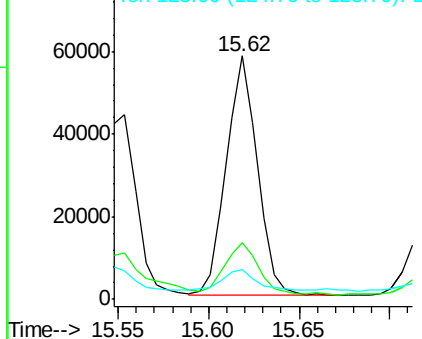
Tgt Ion:	252	Resp:	69691
Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	12.2	9.8	14.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 2.953 ng

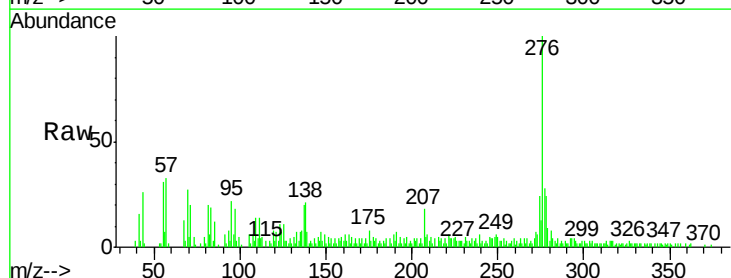
RT: 17.27 min Scan# 2539

Delta R.T. -0.05 min

Lab File: BF107208.D

Acq: 7 Jul 2018 16:01

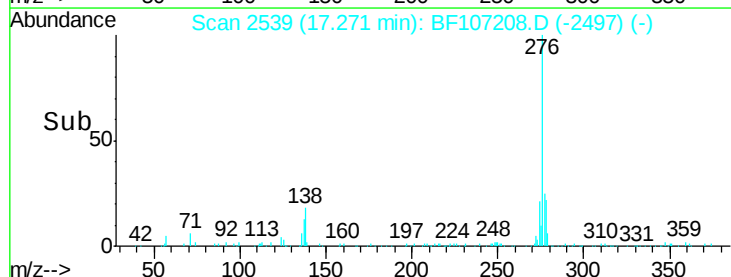
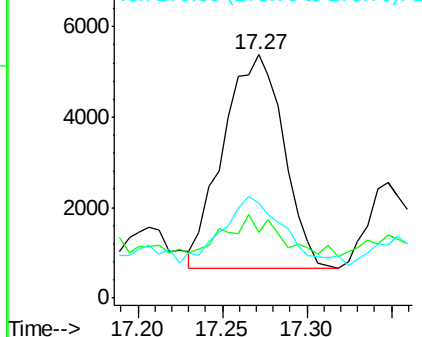
Tgt Ion:	278	Resp:	11757
Ion	Ratio	Lower	Upper
278	100		
139	27.2	15.9	23.9#
279	39.0	19.0	28.4#

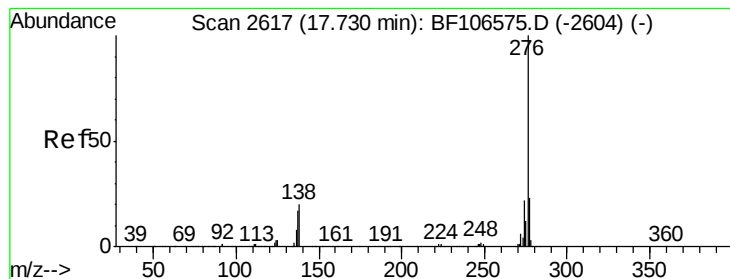


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 10.891 ng

RT: 17.76 min Scan# 2622

Delta R.T. -0.03 min

Lab File: BF107208.D

Acq: 7 Jul 2018 16:01

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-1

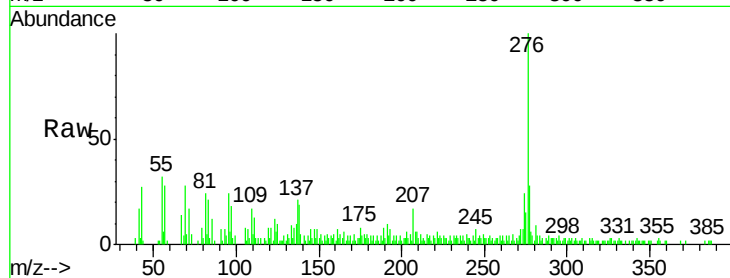
Tgt Ion:276 Resp: 42377

Ion Ratio Lower Upper

276 100

277 27.6 17.9 26.9#

138 18.9 21.8 32.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

