

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070718\
 Data File : BF107216.D
 Acq On : 7 Jul 2018 19:32
 Operator : JU/SJ
 Sample : J3880-09
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-15

Quant Time: Jul 09 02:17:27 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	47805	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	160051	20.00	ng	-0.02
38) Acenaphthene-d10	9.99	164	72188	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	149930	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	116299	20.00	ng	-0.02
86) Perylene-d12	15.68	264	85154	20.00	ng	-0.04

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	307160	108.80	ng	0.00
7) Phenol-d6	6.60	99	364062	103.26	ng	-0.01
23) Nitrobenzene-d5	7.51	82	207168	71.93	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	97708	116.78	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	376392	88.94	ng	-0.02
78) Terphenyl-d14	13.07	244	475932	99.13	ng	-0.01

Target Compounds

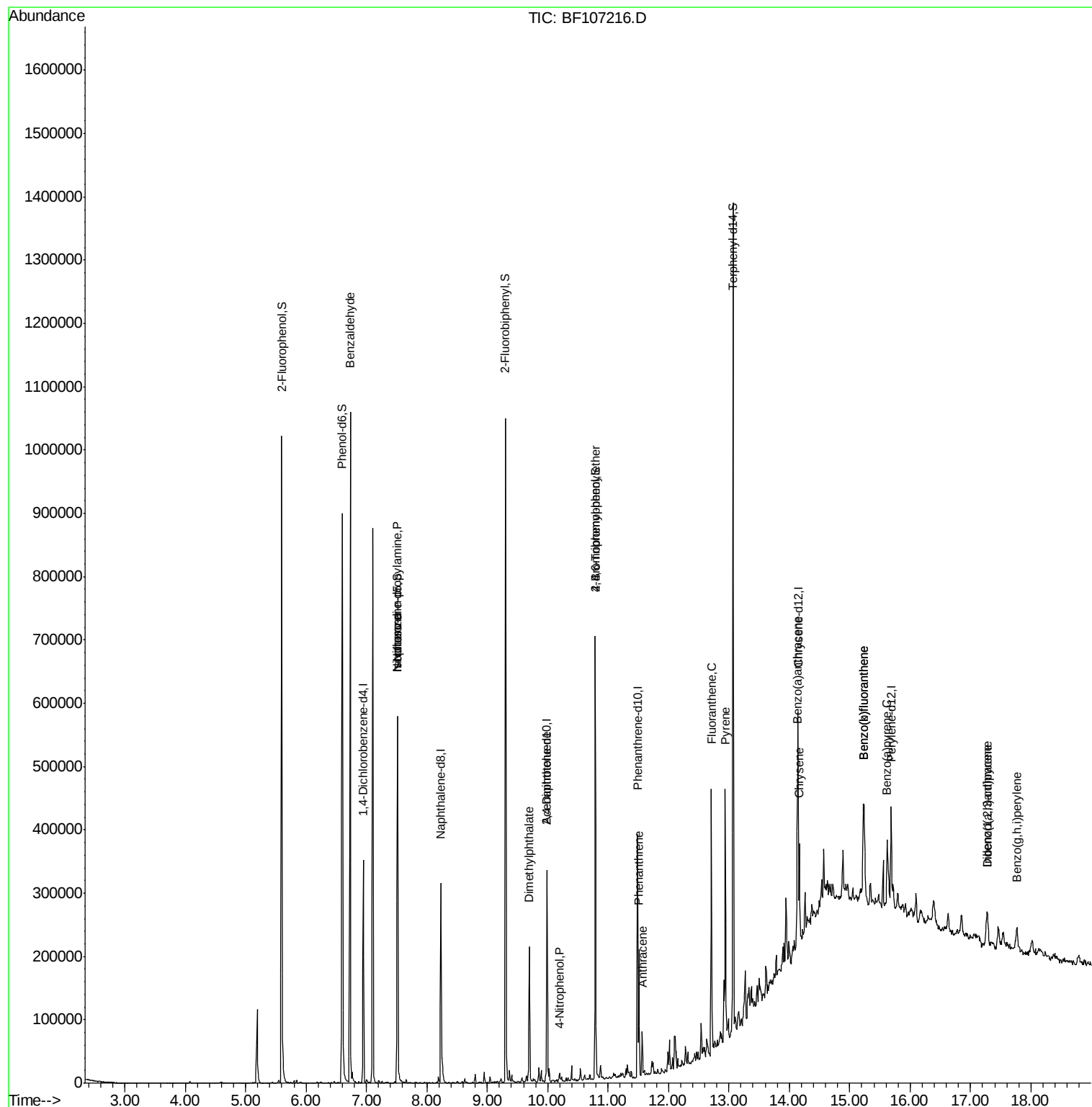
						Qvalue
9) Benzaldehyde	6.73	77	6341	2.143	ng	91
19) n-Nitroso-di-n-propylamine	7.51	70	26561	11.429	ng	# 74
25) Isophorone	7.51	82	207167	40.821	ng	# 64
49) Dimethylphthalate	9.70	163	88400	16.327	ng	98
55) 4-Nitrophenol	10.20	139	2170	2.356	ng	# 9
56) 2,4-Dinitrotoluene	9.99	165	9389	6.274	ng	# 21
66) 4-Bromophenyl-phenylether	10.79	248	5952	3.326	ng	# 1
70) Phenanthrene	11.51	178	74197	10.260	ng	98
71) Anthracene	11.57	178	29284	3.967	ng	99
74) Fluoranthene	12.71	202	167658	21.035	ng	96
77) Pyrene	12.94	202	156413	20.395	ng	98
80) Benzo(a)anthracene	14.13	228	76031	10.727	ng	99
82) Chrysene	14.17	228	72370	11.098	ng	97
85) Indeno(1,2,3-cd)pyrene	17.28	276	36557	6.606	ng	# 87
87) Benzo(b)fluoranthene	15.22	252	109106	20.626	ng	96
88) Benzo(k)fluoranthene	15.22	252	109106	21.659	ng	97
89) Benzo(a)pyrene	15.62	252	55046	11.706	ng	96
90) Dibenzo(a,h)anthracene	17.28	278	11062	2.776	ng	# 81
91) Benzo(g,h,i)perylene	17.77	276	35443	9.099	ng	# 90

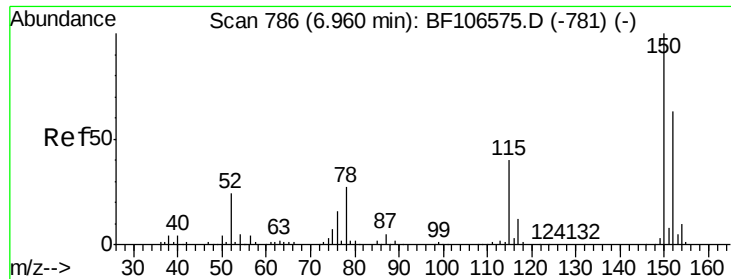
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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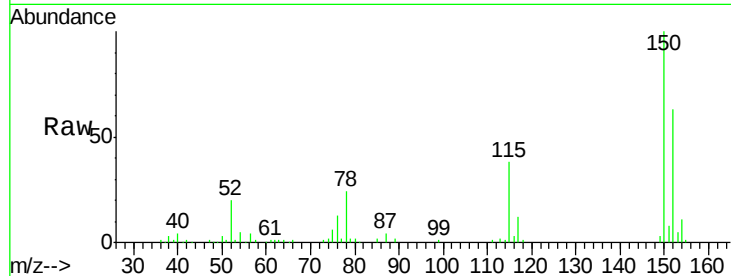




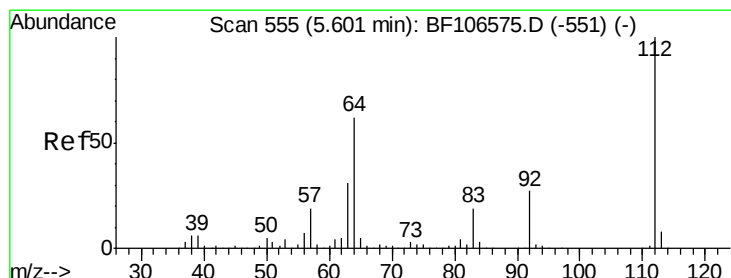
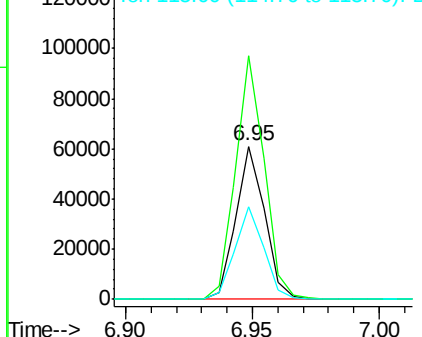
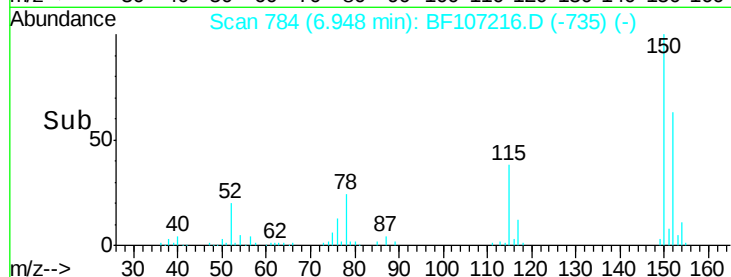
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 784
 Delta R.T. -0.01 min
 Lab File: BF107216.D
 Acq: 7 Jul 2018 19:32

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-15

Tgt Ion:152 Resp: 47805
 Ion Ratio Lower Upper
 152 100
 150 159.1 124.6 186.8
 115 60.7 50.1 75.1

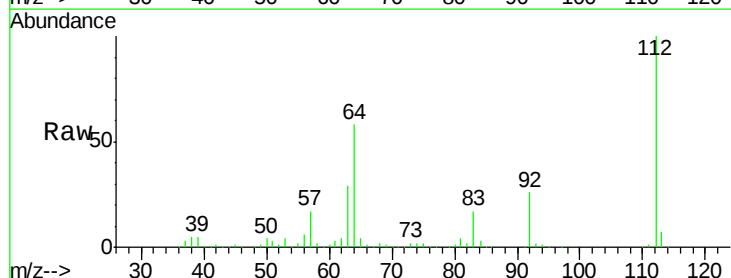


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

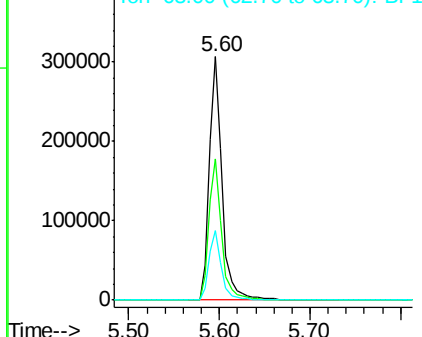
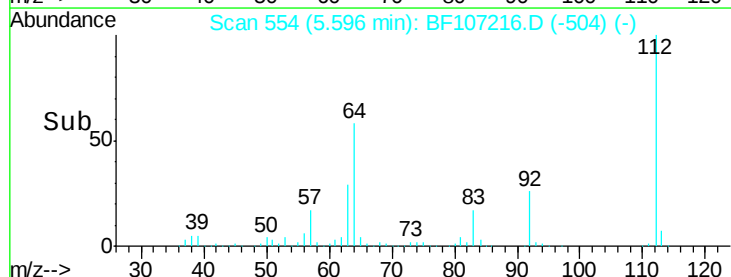


#5
 2-Fluorophenol
 Concen: 108.800 ng
 RT: 5.60 min Scan# 554
 Delta R.T. -0.01 min
 Lab File: BF107216.D
 Acq: 7 Jul 2018 19:32

Tgt Ion:112 Resp: 307160
 Ion Ratio Lower Upper
 112 100
 64 57.9 47.9 71.9
 63 28.6 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: 103.263 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107216.D

Acq: 7 Jul 2018 19:32

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-15

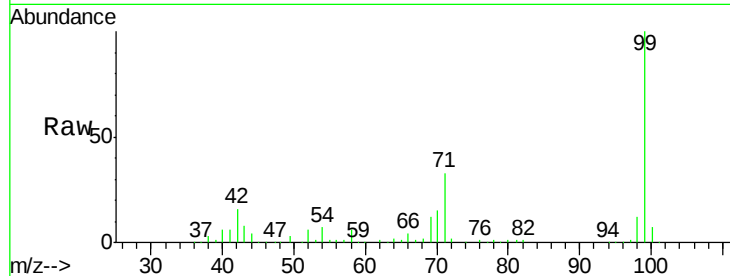
Tgt Ion: 99 Resp: 364062

Ion Ratio Lower Upper

99 100

42 15.6 14.5 21.7

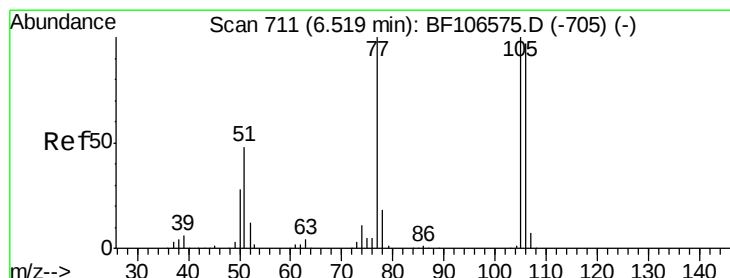
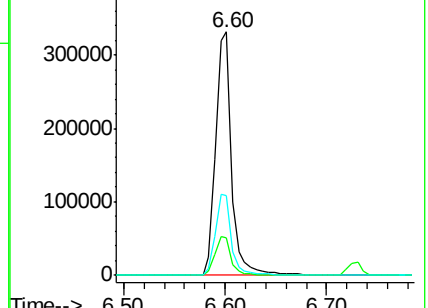
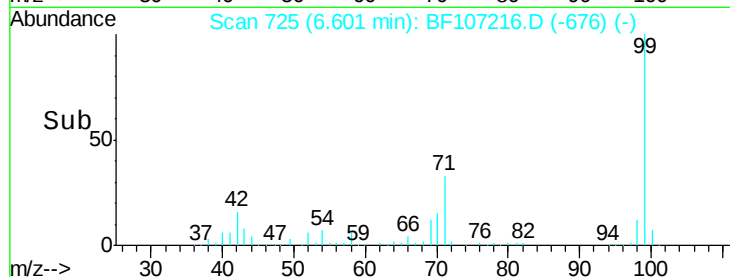
71 32.9 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.143 ng

RT: 6.73 min Scan# 747

Delta R.T. 0.21 min

Lab File: BF107216.D

Acq: 7 Jul 2018 19:32

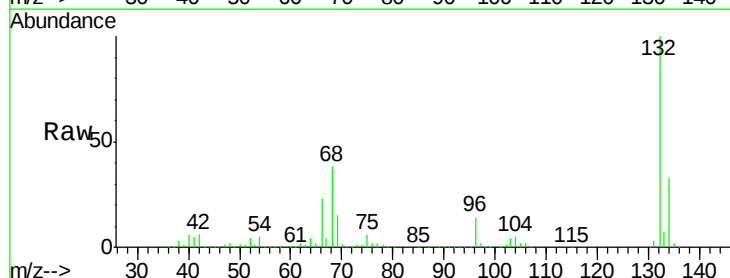
Tgt Ion: 77 Resp: 6341

Ion Ratio Lower Upper

77 100

105 88.2 81.1 121.1

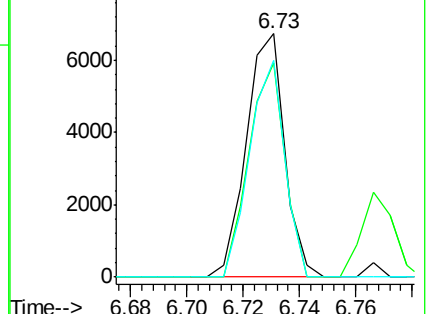
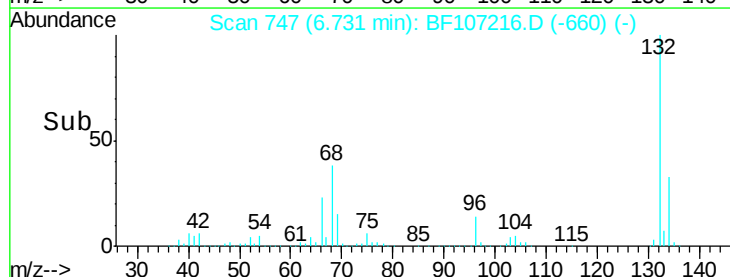
106 89.1 74.5 114.5

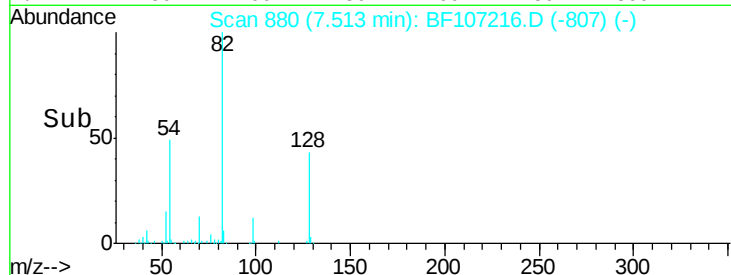
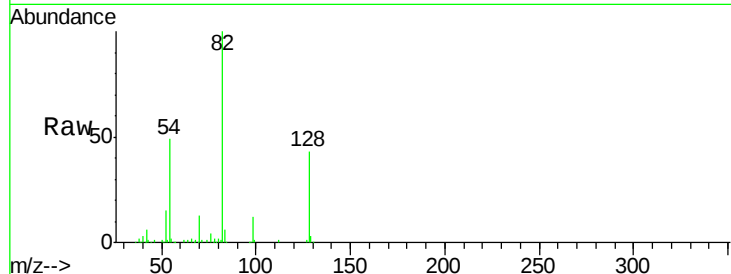


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

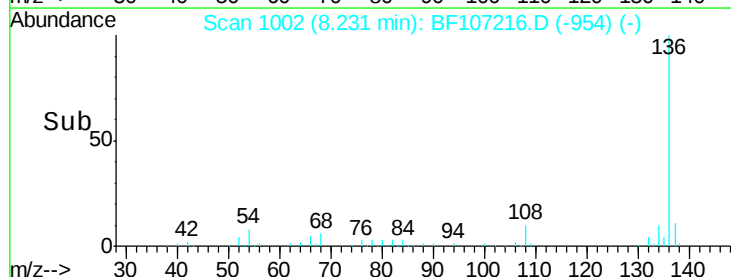
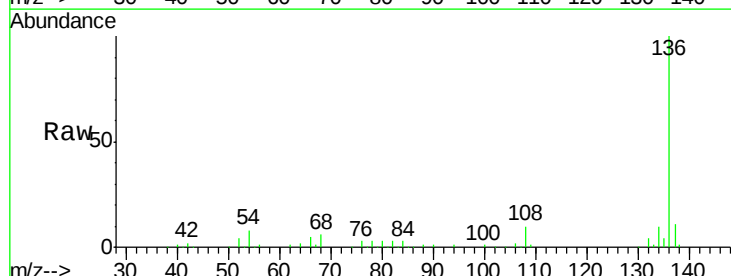
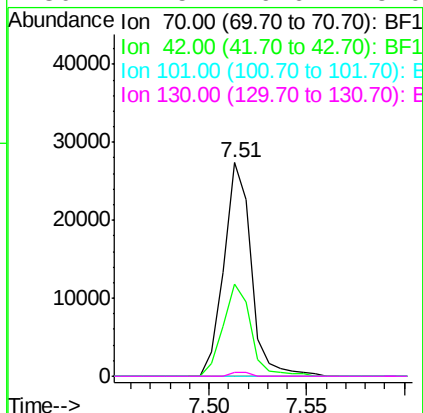




#19
n-Nitroso-di-n-propylamine
Concen: 11.429 ng
RT: 7.51 min Scan# 880
Delta R.T. 0.13 min
Lab File: BF107216.D
Acq: 7 Jul 2018 19:32

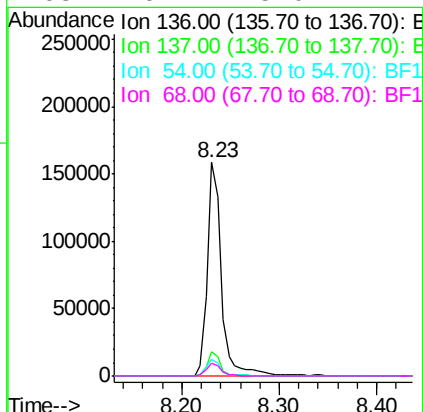
Instrument :
BNA_F
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SURCHARGE-SP-15

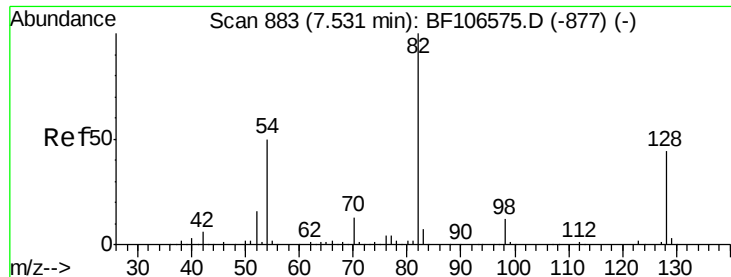
Tgt Ion: 70 Resp: 26561
Ion Ratio Lower Upper
70 100
42 43.4 47.5 71.3#
101 0.0 7.4 11.2#
130 1.5 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1002
Delta R.T. -0.02 min
Lab File: BF107216.D
Acq: 7 Jul 2018 19:32

Tgt Ion: 136 Resp: 160051
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 8.0 6.6 9.8
68 6.2 5.0 7.4

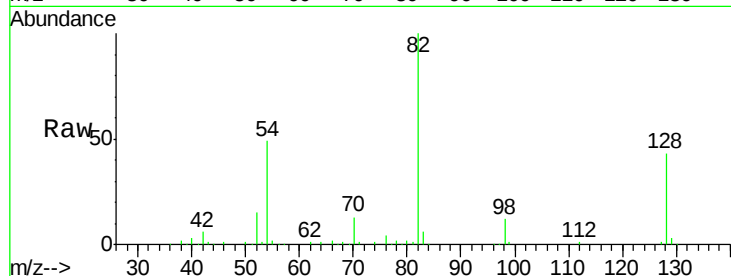




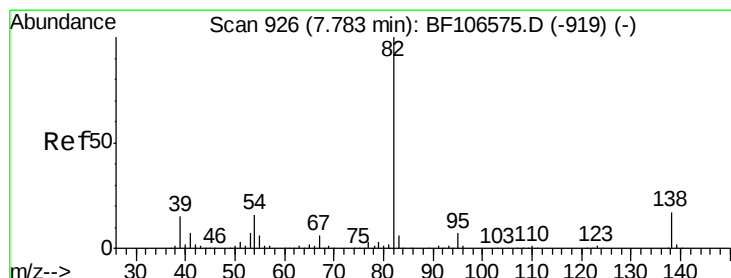
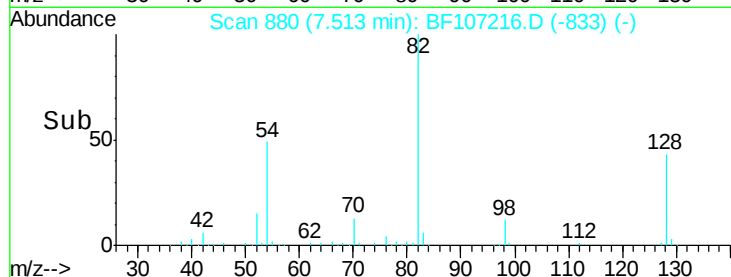
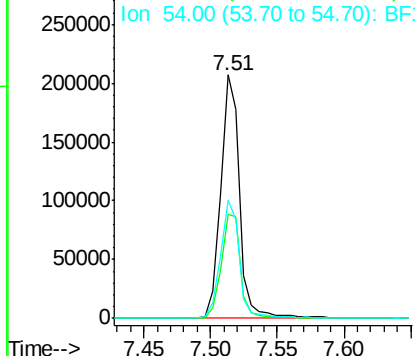
#23
Nitrobenzene-d5
Concen: 71.934 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF107216.D
Acq: 7 Jul 2018 19:32

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-15

Tgt Ion: 82 Resp: 207168
Ion Ratio Lower Upper
82 100
128 42.6 36.1 54.1
54 48.6 41.4 62.2

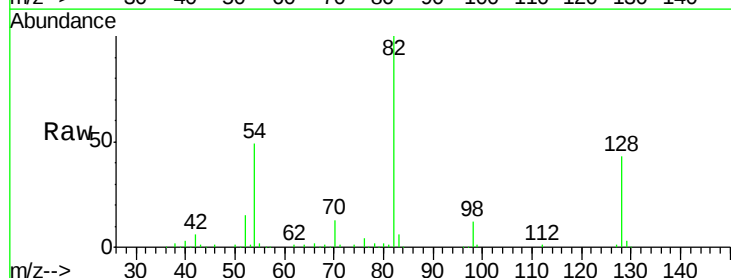


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

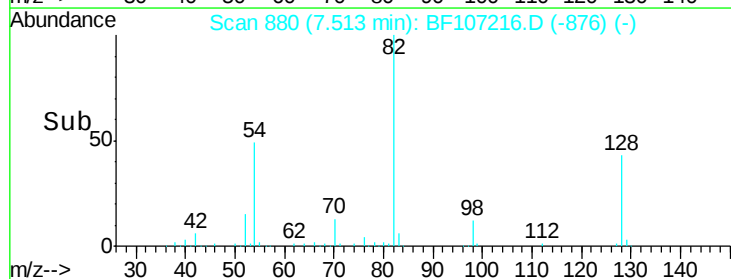
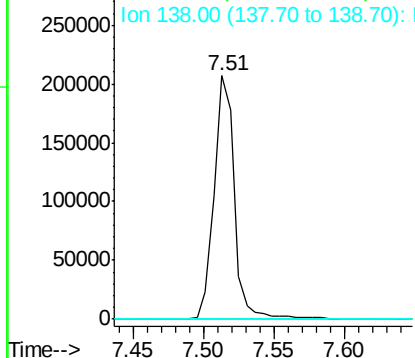


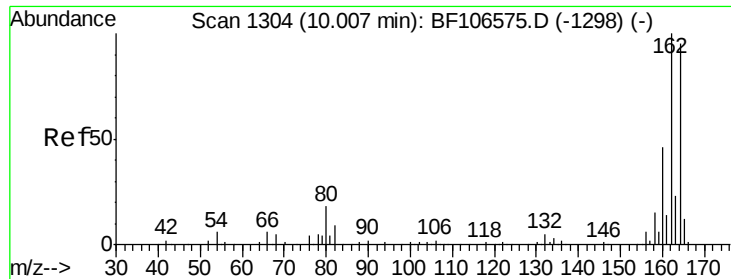
#25
Isophorone
Concen: 40.821 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.28 min
Lab File: BF107216.D
Acq: 7 Jul 2018 19:32

Tgt Ion: 82 Resp: 207167
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

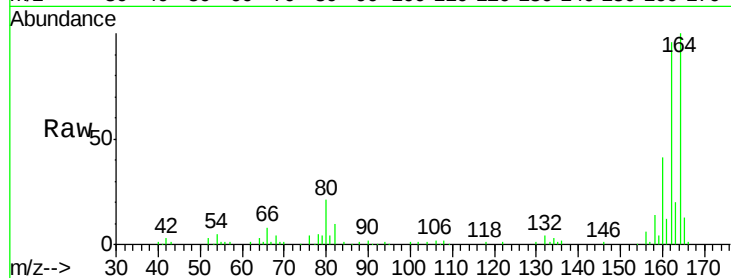




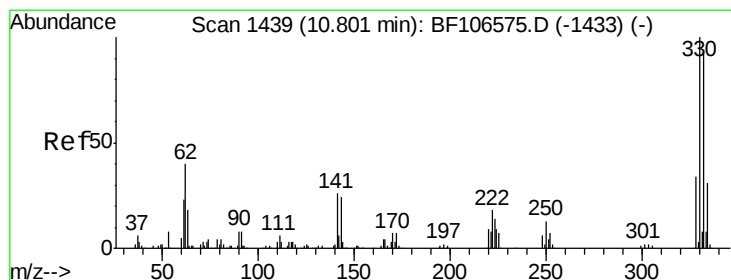
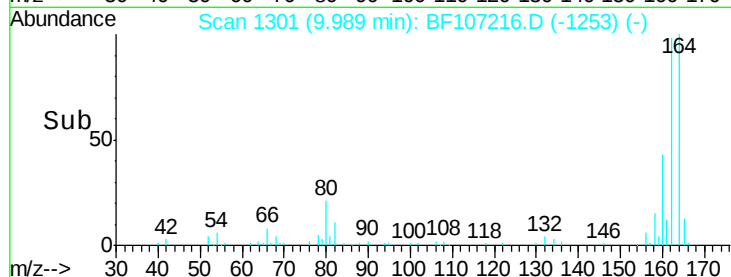
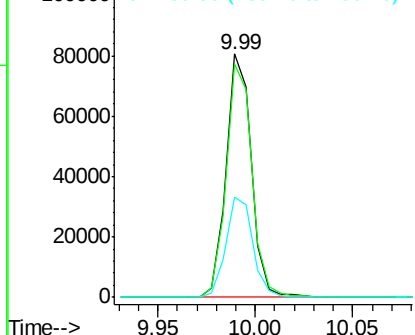
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BF107216.D
Acq: 7 Jul 2018 19:32

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ClientSampleId :
SURCHARGE-SP-15

Tgt Ion:164 Resp: 72188
Ion Ratio Lower Upper
164 100
162 95.6 86.1 129.1
160 41.3 38.3 57.5

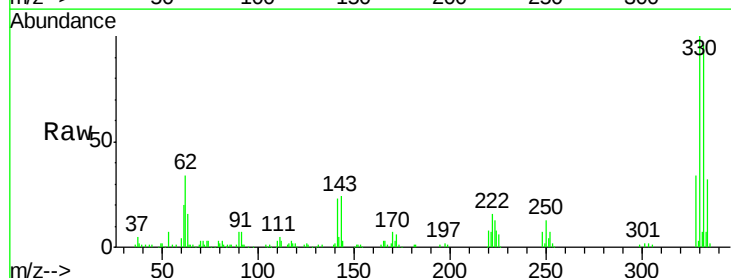


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

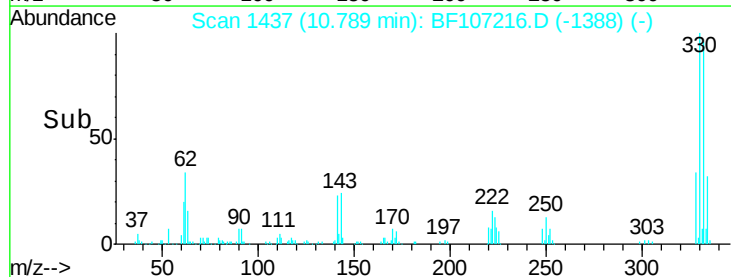
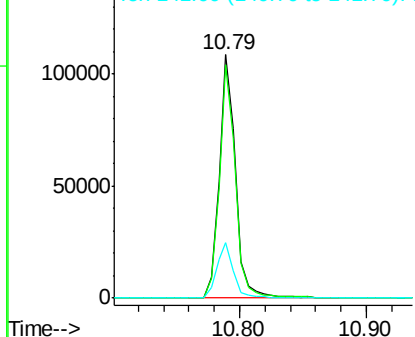


#41
2,4,6-Tribromophenol
Concen: 116.781 ng
RT: 10.79 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF107216.D
Acq: 7 Jul 2018 19:32

Tgt Ion:330 Resp: 97708
Ion Ratio Lower Upper
330 100
332 95.7 77.0 115.6
141 23.9 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

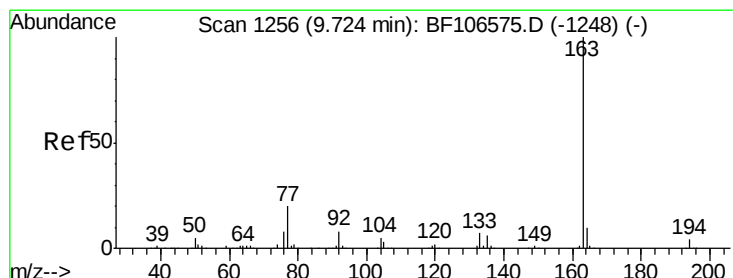
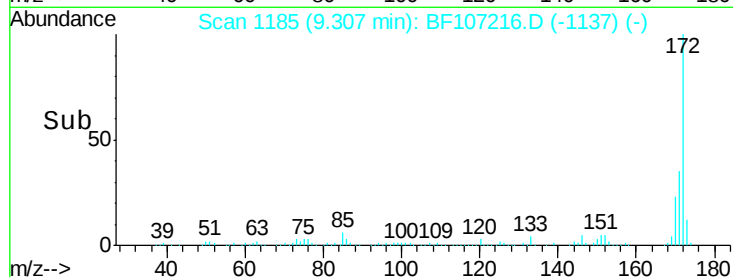
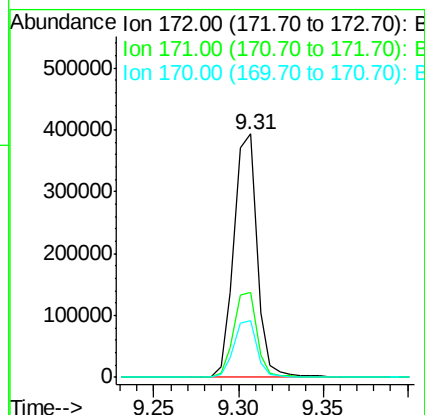
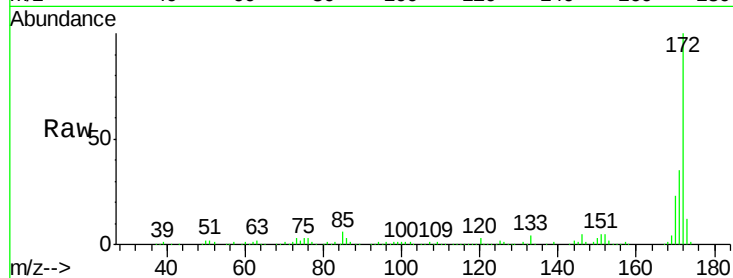




#44
2-Fluorobiphenyl
Concen: 88.938 ng
RT: 9.31 min Scan# 1185
Delta R.T. -0.02 min
Lab File: BF107216.D
Acq: 7 Jul 2018 19:32

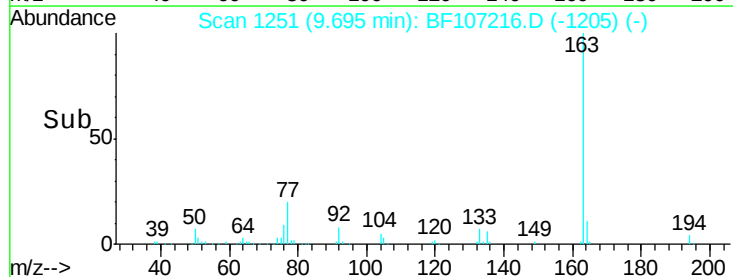
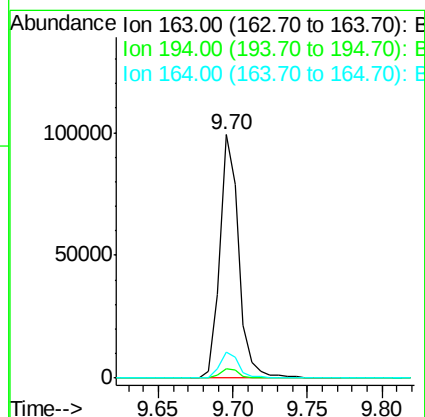
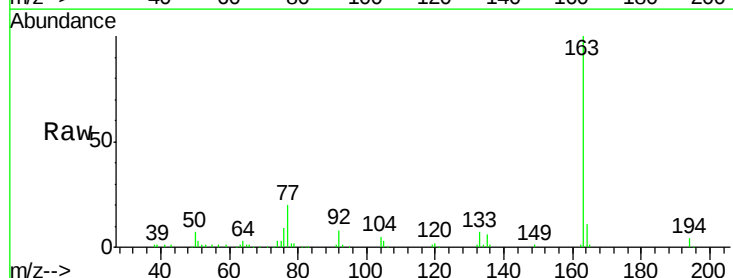
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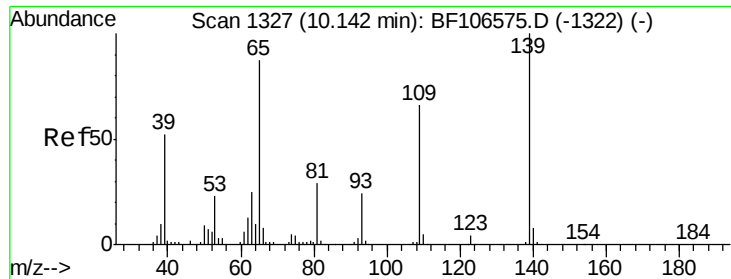
Tgt Ion:172 Resp: 376392
Ion Ratio Lower Upper
172 100
171 34.9 29.7 44.5
170 23.5 19.6 29.4



#49
Dimethylphthalate
Concen: 16.327 ng
RT: 9.70 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF107216.D
Acq: 7 Jul 2018 19:32

Tgt Ion:163 Resp: 88400
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 10.9 8.2 12.2

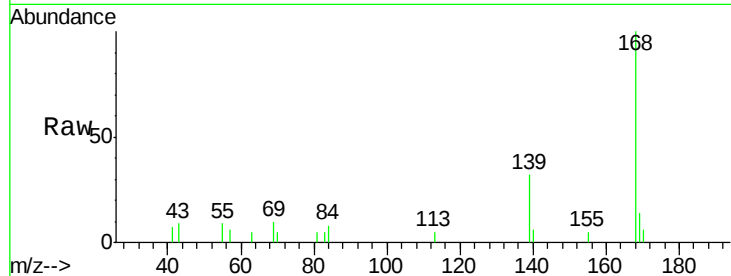




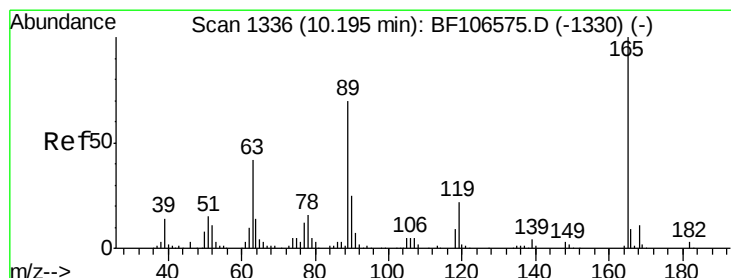
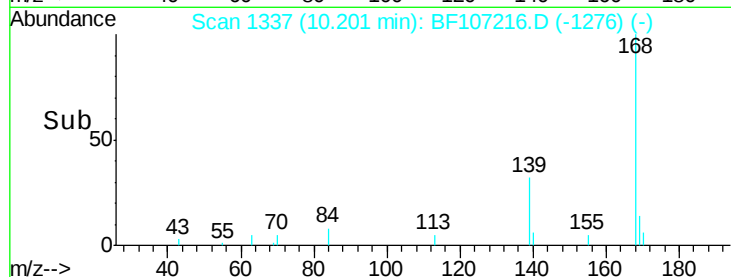
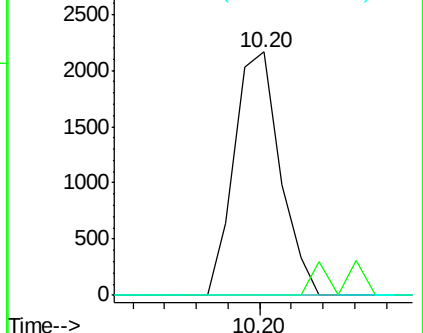
#55
4-Nitrophenol
Concen: 2.356 ng
RT: 10.20 min Scan# 1337
Delta R.T. 0.06 min
Lab File: BF107216.D
Acq: 7 Jul 2018 19:32

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-15

Tgt Ion:139 Resp: 2170
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#

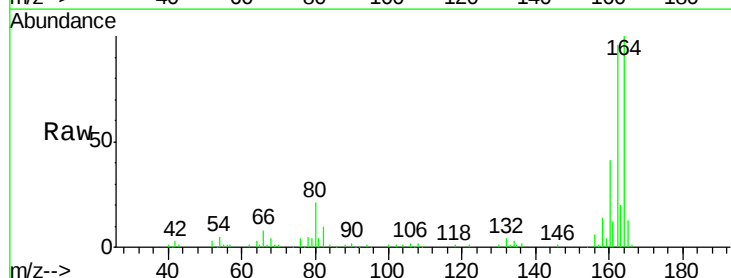


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

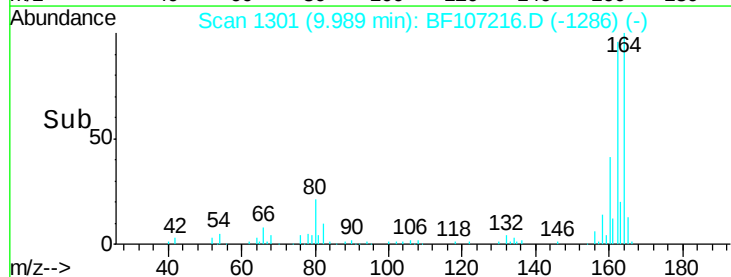
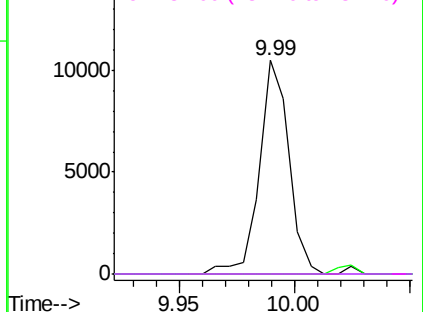


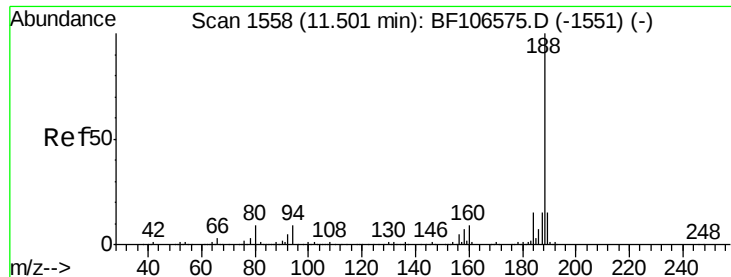
#56
2,4-Dinitrotoluene
Concen: 6.274 ng
RT: 9.99 min Scan# 1301
Delta R.T. -0.21 min
Lab File: BF107216.D
Acq: 7 Jul 2018 19:32

Tgt Ion:165 Resp: 9389
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 0.0 57.8 86.6#
182 0.0 1.6 2.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

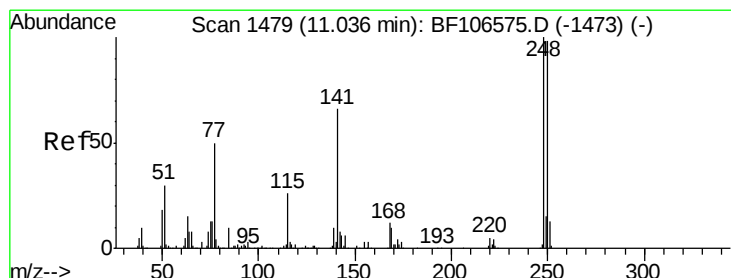
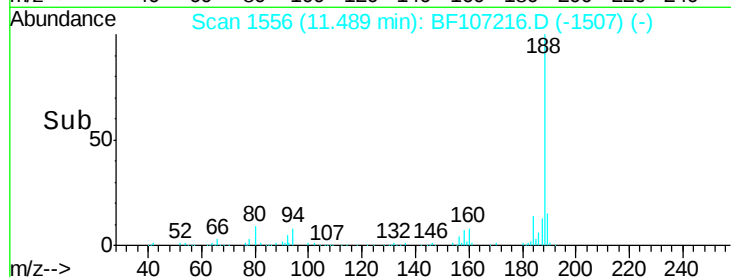
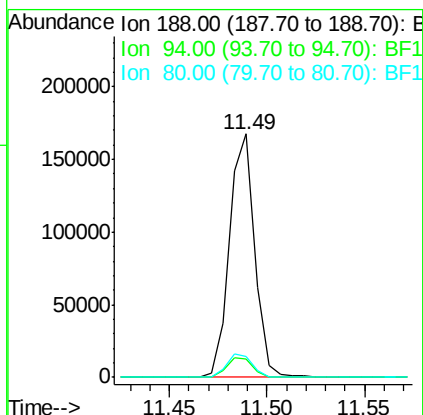
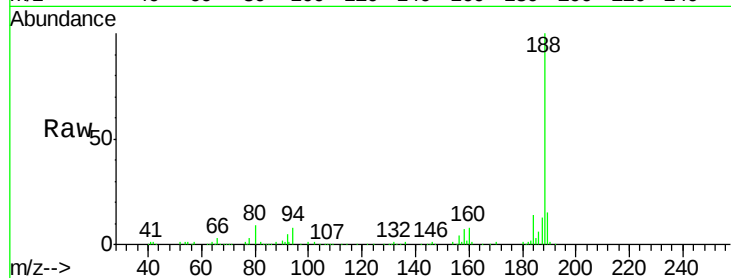




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF107216.D
Acq: 7 Jul 2018 19:32

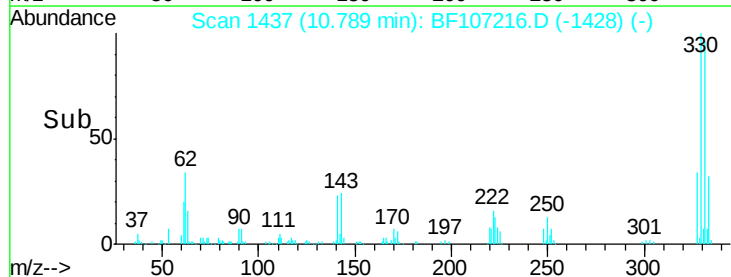
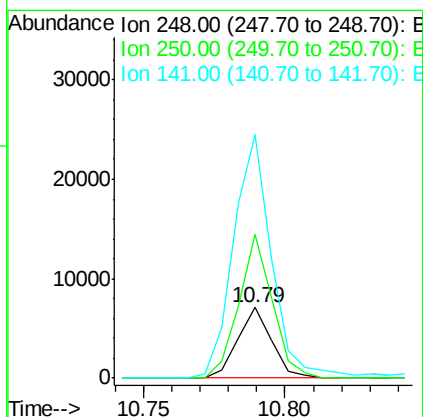
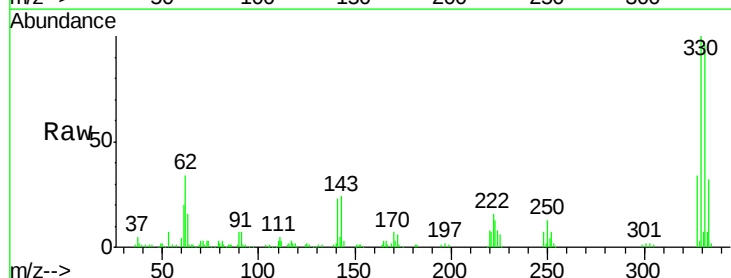
Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-15

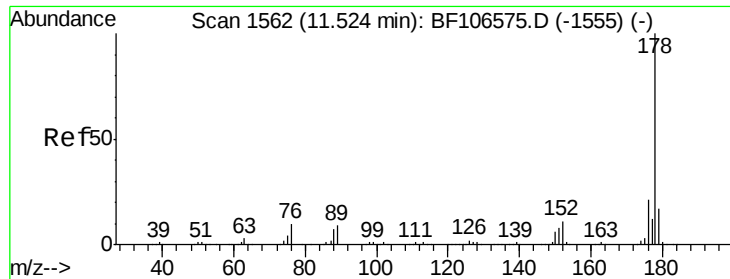
Tgt Ion:188 Resp: 149930
Ion Ratio Lower Upper
188 100
94 7.8 8.5 12.7#
80 8.5 9.2 13.8#



#66
4-Bromophenyl-phenylether
Concen: 3.326 ng
RT: 10.79 min Scan# 1437
Delta R.T. -0.25 min
Lab File: BF107216.D
Acq: 7 Jul 2018 19:32

Tgt Ion:248 Resp: 5952
Ion Ratio Lower Upper
248 100
250 204.7 76.9 115.3#
141 345.6 74.4 111.6#

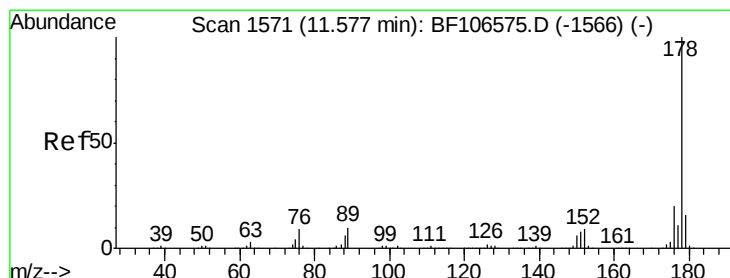
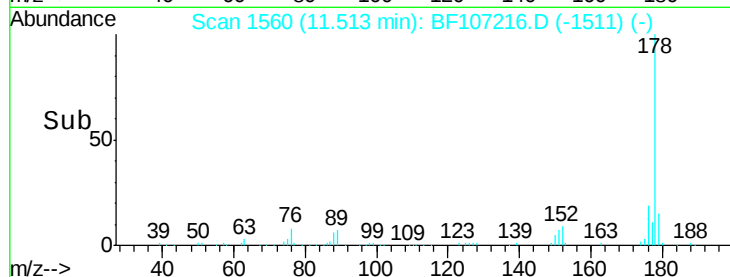
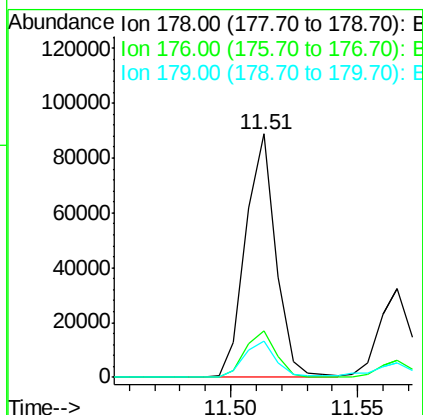
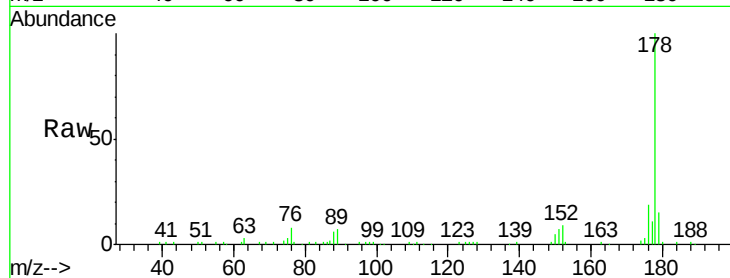




#70
Phenanthrene
Concen: 10.260 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF107216.D
Acq: 7 Jul 2018 19:32

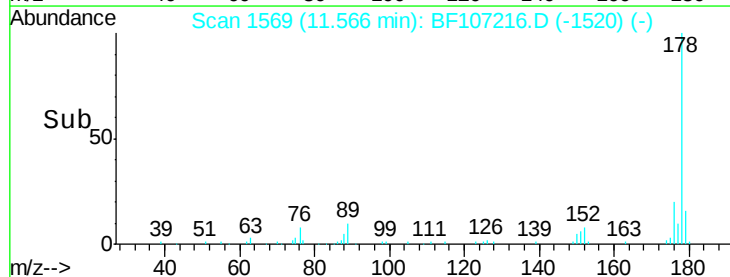
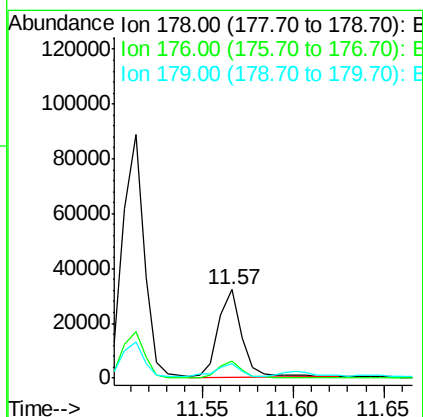
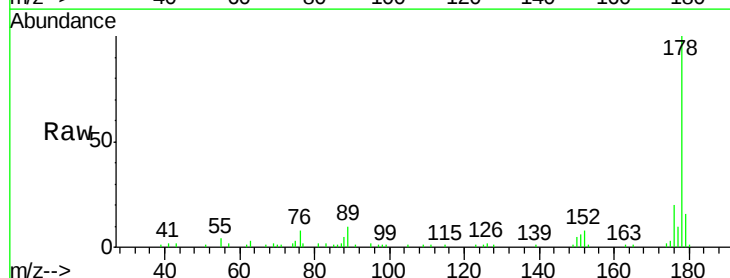
Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-15

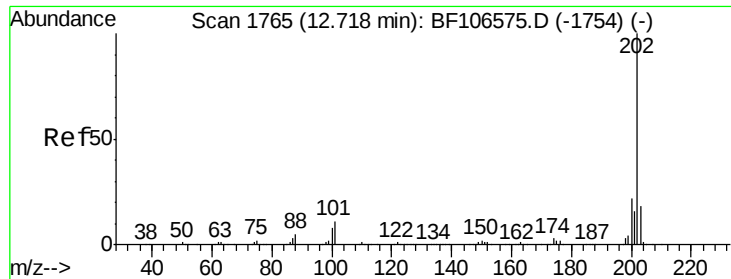
Tgt Ion:178 Resp: 74197
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 15.1 13.0 19.6



#71
Anthracene
Concen: 3.967 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF107216.D
Acq: 7 Jul 2018 19:32

Tgt Ion:178 Resp: 29284
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.2
179 16.3 12.6 19.0





#74

Fluoranthene

Concen: 21.035 ng

RT: 12.71 min Scan# 1763

Delta R.T. -0.01 min

Lab File: BF107216.D

Acq: 7 Jul 2018 19:32

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-15

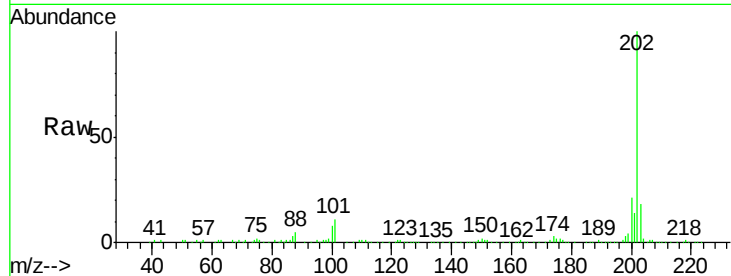
Tgt Ion:202 Resp: 167658

Ion Ratio Lower Upper

202 100

101 11.3 0.0 34.1

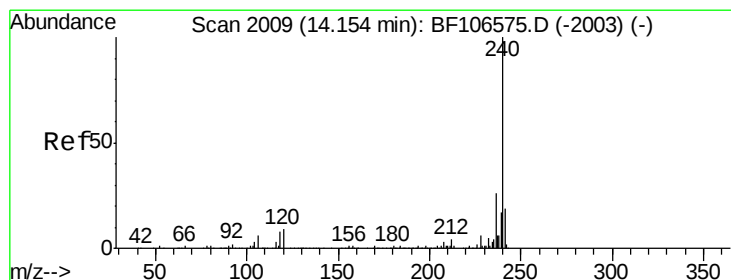
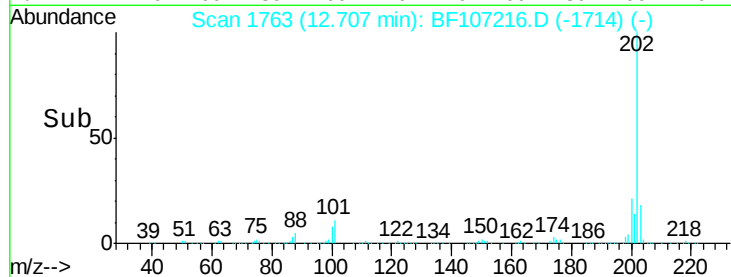
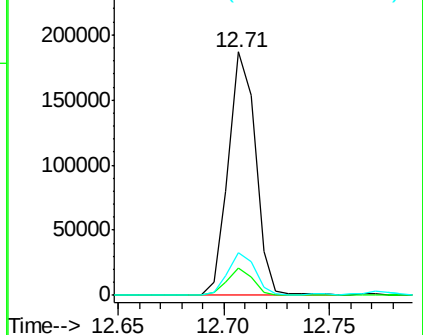
203 17.7 0.0 38.1



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: BF107216.D

Acq: 7 Jul 2018 19:32

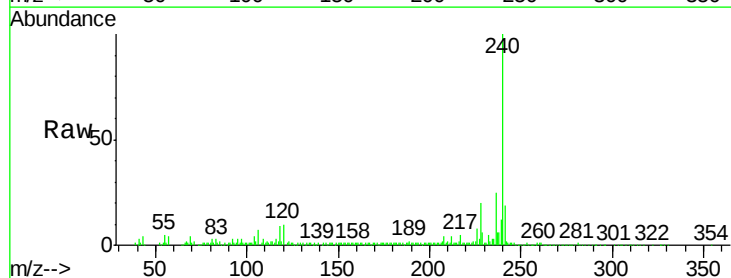
Tgt Ion:240 Resp: 116299

Ion Ratio Lower Upper

240 100

120 9.9 9.5 14.3

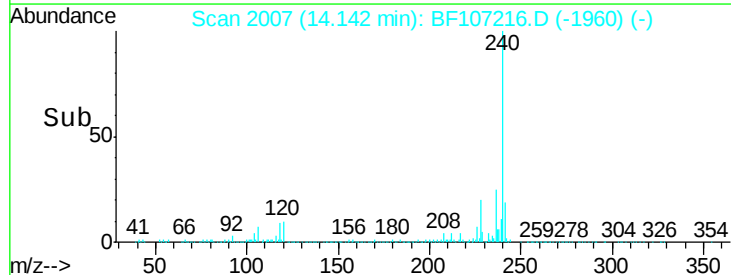
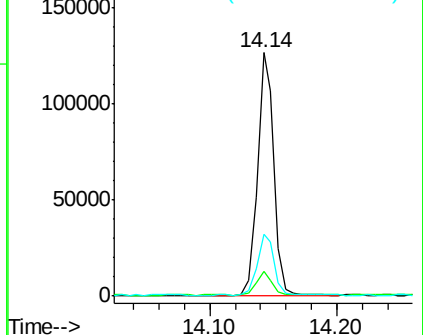
236 25.3 20.7 31.1

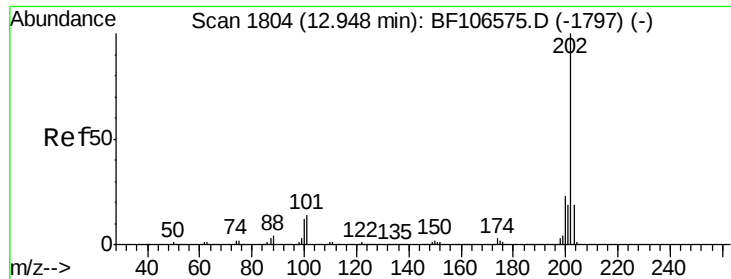


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 20.395 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF107216.D

Acq: 7 Jul 2018 19:32

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-15

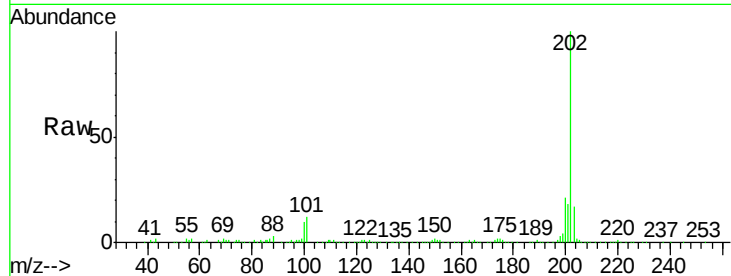
Tgt Ion: 202 Resp: 156413

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

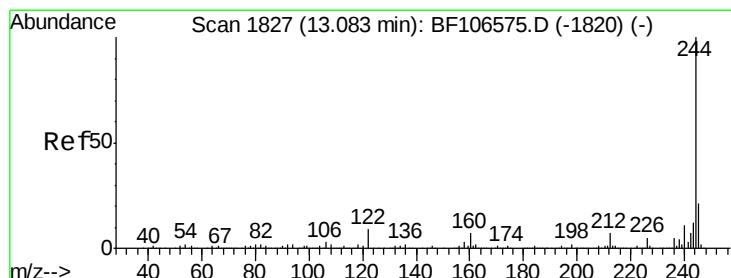
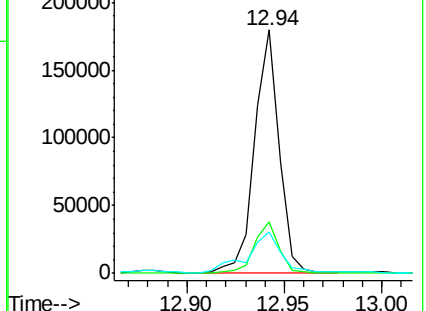
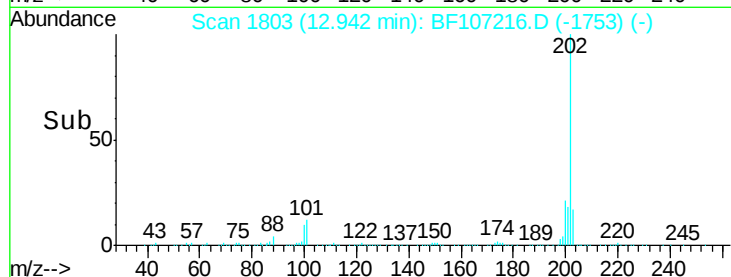
203 17.0 14.3 21.5



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



#78

Terphenyl-d14

Concen: 99.128 ng

RT: 13.07 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF107216.D

Acq: 7 Jul 2018 19:32

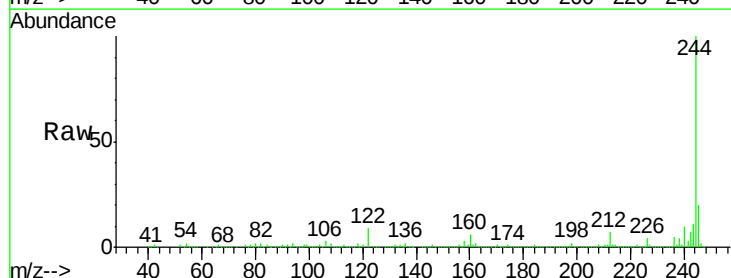
Tgt Ion: 244 Resp: 475932

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

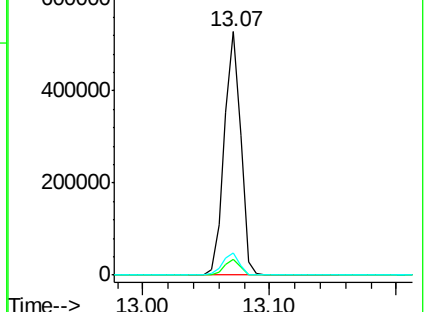
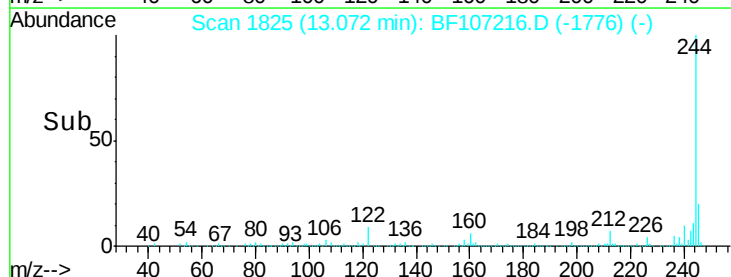
122 9.0 11.0 16.4#

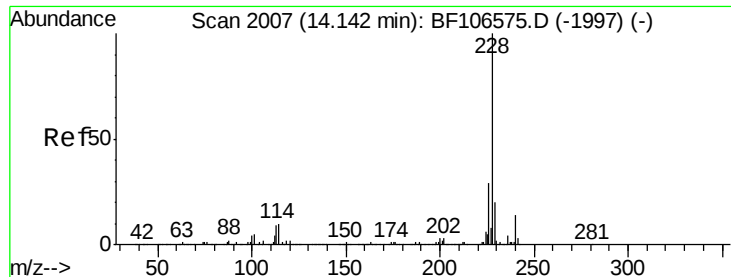


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 10.727 ng

RT: 14.13 min Scan# 2005

Delta R.T. -0.02 min

Lab File: BF107216.D

Acq: 7 Jul 2018 19:32

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-15

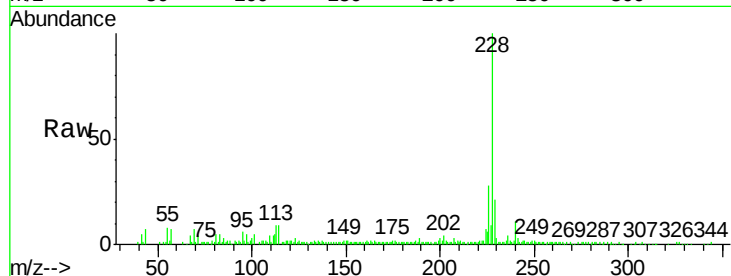
Tgt Ion:228 Resp: 76031

Ion Ratio Lower Upper

228 100

226 27.6 22.6 33.8

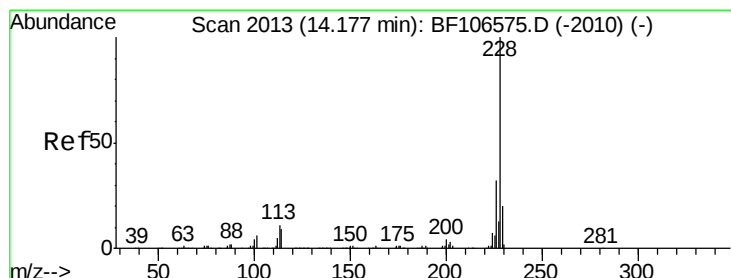
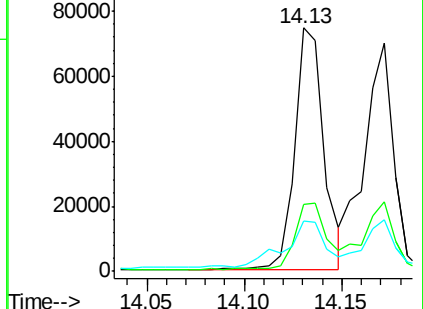
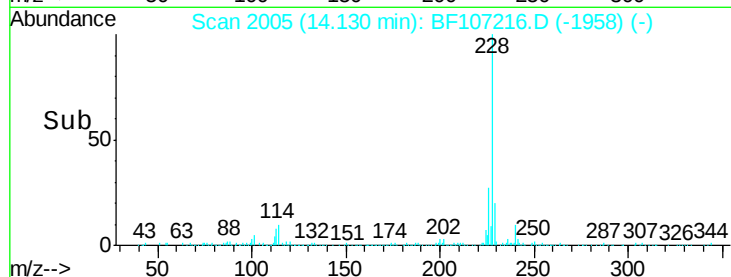
229 20.6 15.8 23.6



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



#82

Chrysene

Concen: 11.098 ng

RT: 14.17 min Scan# 2012

Delta R.T. -0.02 min

Lab File: BF107216.D

Acq: 7 Jul 2018 19:32

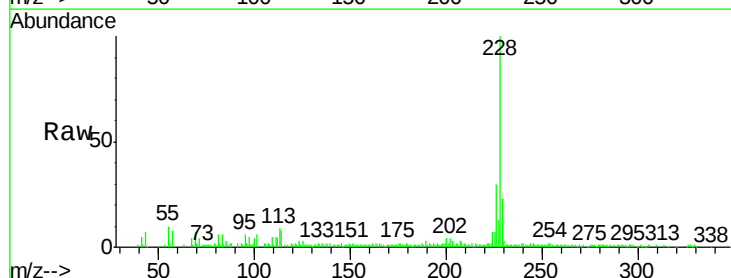
Tgt Ion:228 Resp: 72370

Ion Ratio Lower Upper

228 100

226 30.5 25.0 37.6

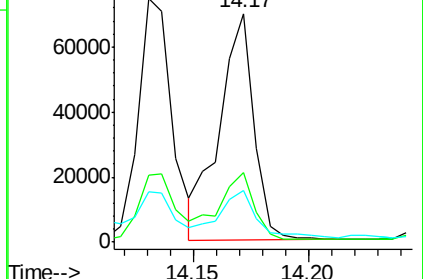
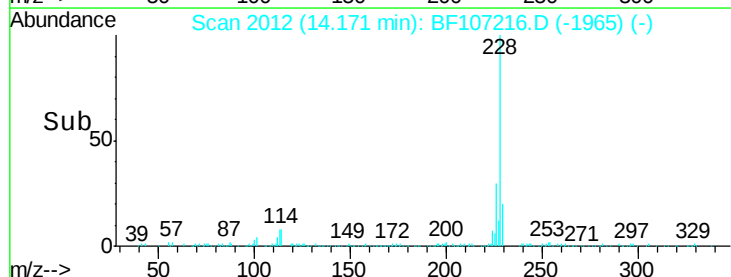
229 22.5 16.2 24.4

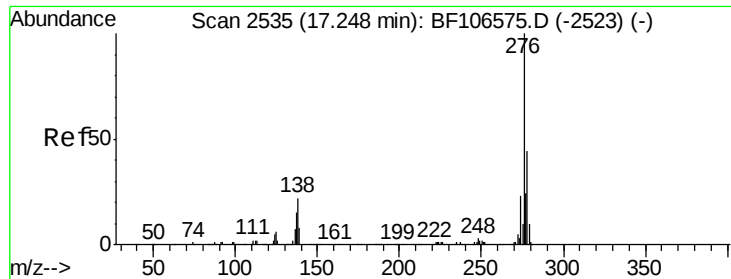


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

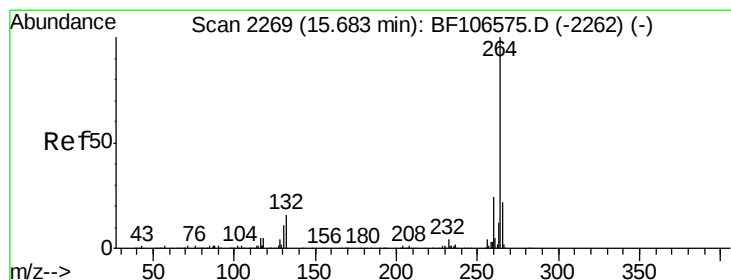
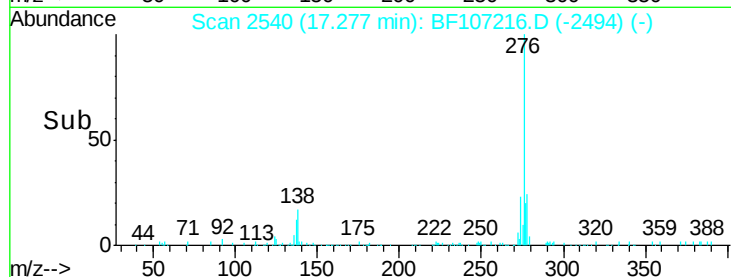
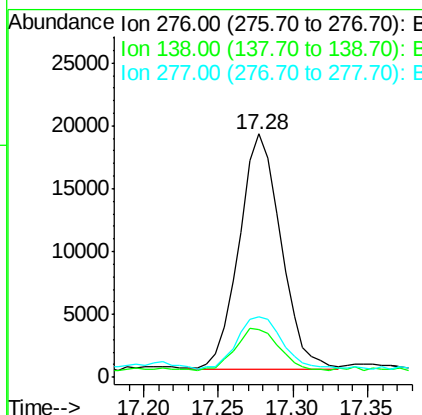
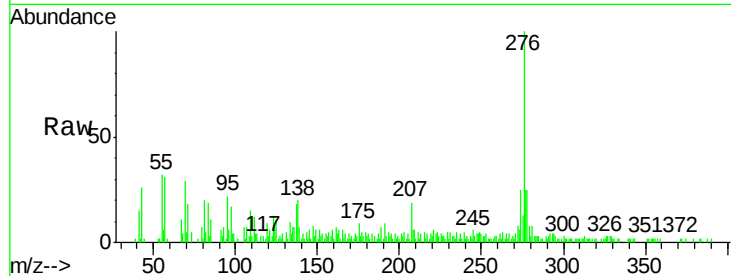




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.606 ng
 RT: 17.28 min Scan# 2540
 Delta R.T. -0.03 min
 Lab File: BF107216.D
 Acq: 7 Jul 2018 19:32

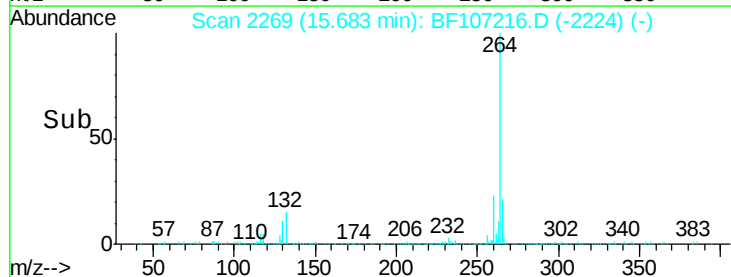
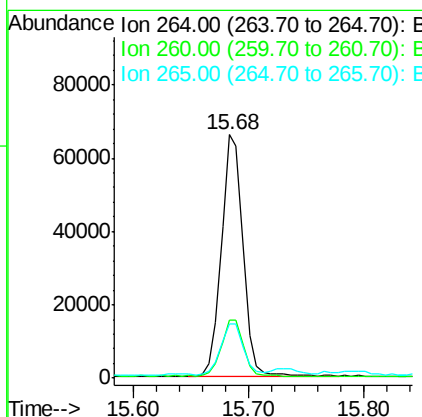
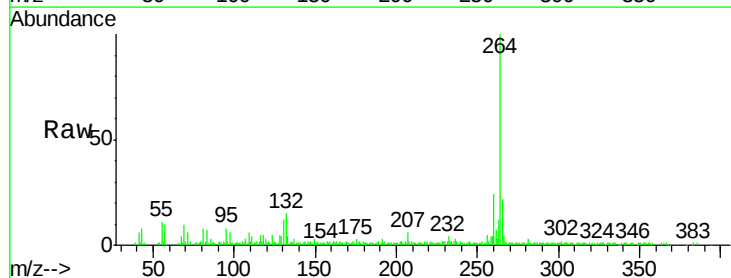
Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-15

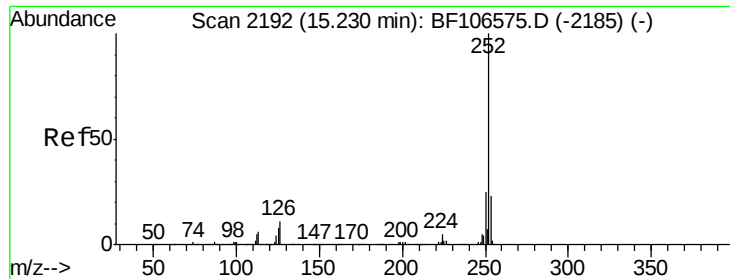
Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.8	25.0	37.6#
277	24.7	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.68 min Scan# 2269
 Delta R.T. -0.04 min
 Lab File: BF107216.D
 Acq: 7 Jul 2018 19:32

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.4	17.5	26.3

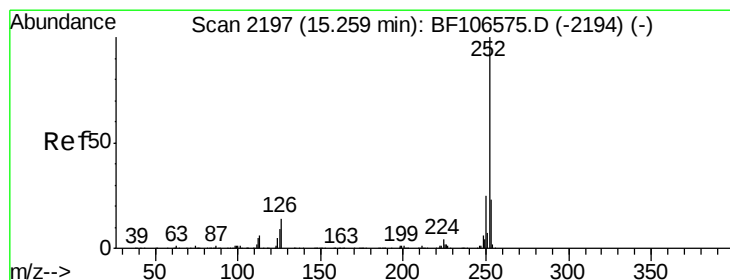
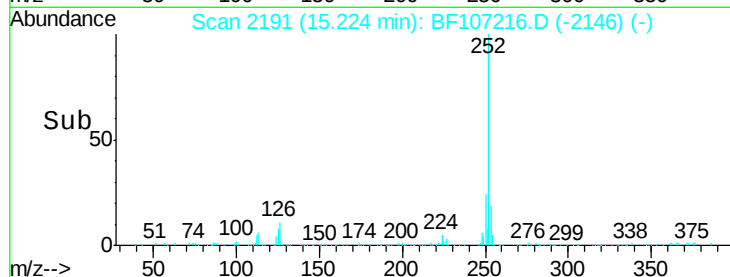
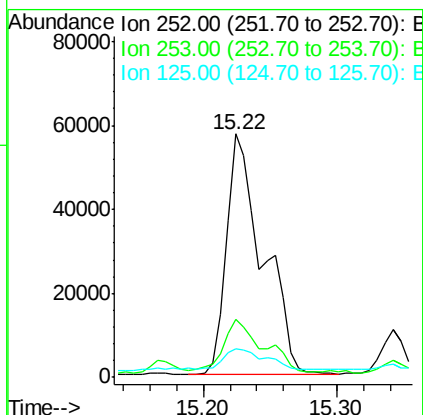
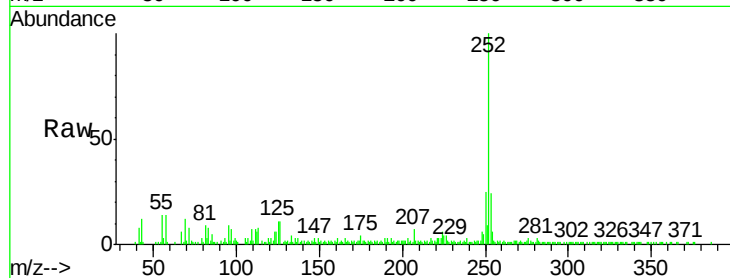




#87
Benzo(b)fluoranthene
Concen: 20.626 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.04 min
Lab File: BF107216.D
Acq: 7 Jul 2018 19:32

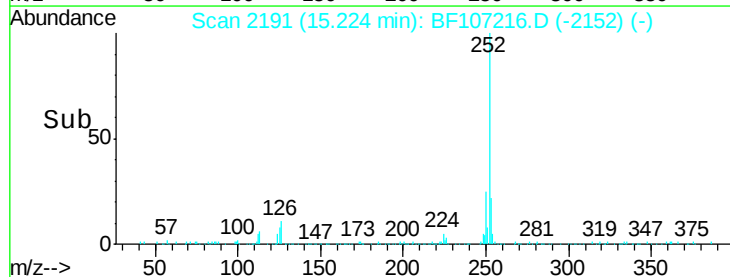
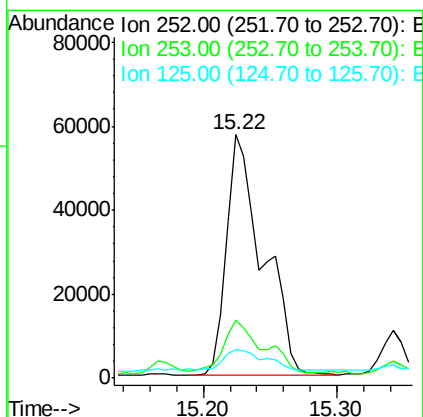
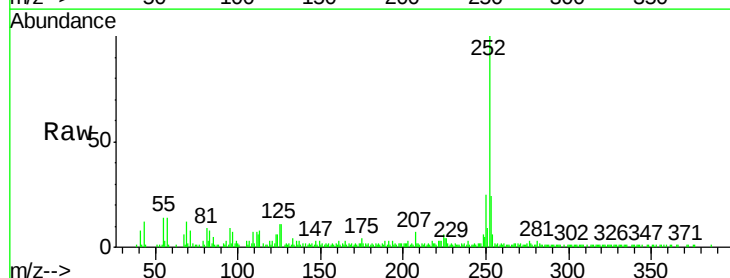
Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-15

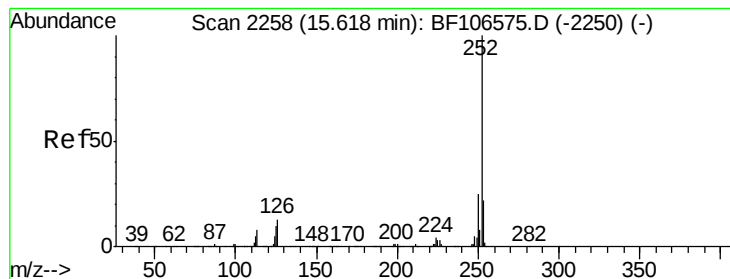
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.0	25.6
125	11.5	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 21.659 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.07 min
Lab File: BF107216.D
Acq: 7 Jul 2018 19:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	11.5	10.2	15.2





#89

Benzo(a)pyrene

Concen: 11.706 ng

RT: 15.62 min Scan# 2258

Delta R.T. -0.04 min

Lab File: BF107216.D

Acq: 7 Jul 2018 19:32

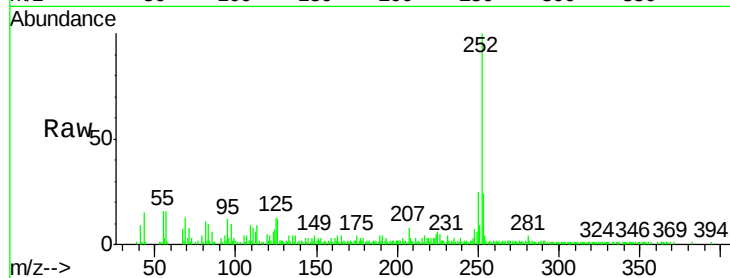
Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-15

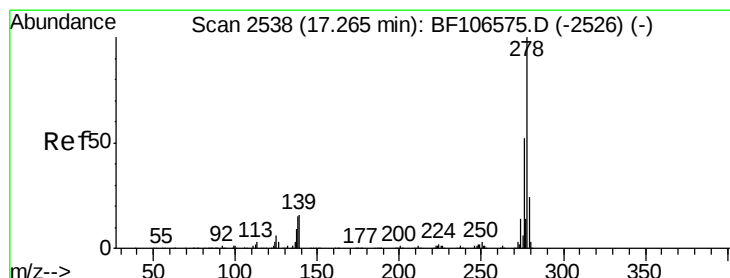
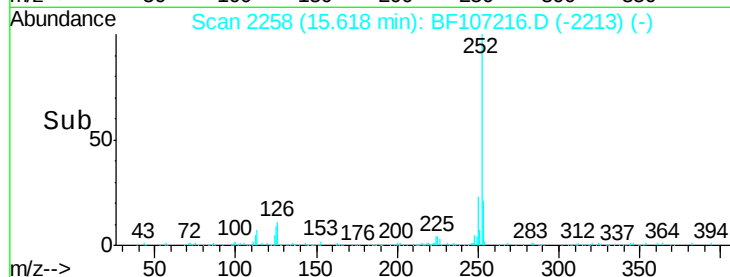
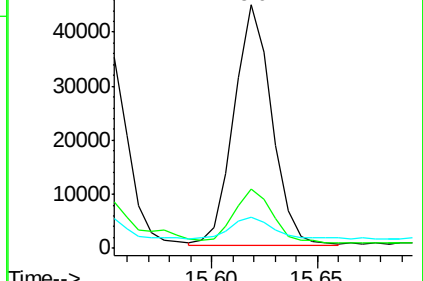
Tgt Ion:	252	Resp:	55046
Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.1	25.7
125	12.5	9.8	14.6



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: 2.776 ng

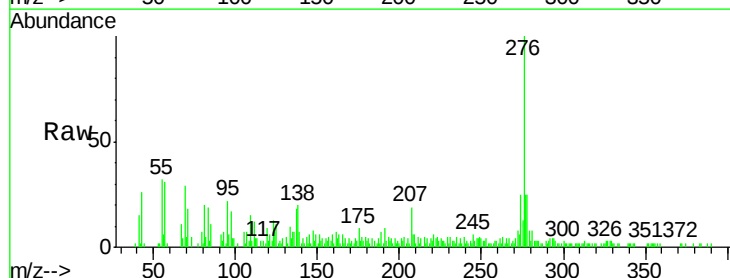
RT: 17.28 min Scan# 2540

Delta R.T. -0.05 min

Lab File: BF107216.D

Acq: 7 Jul 2018 19:32

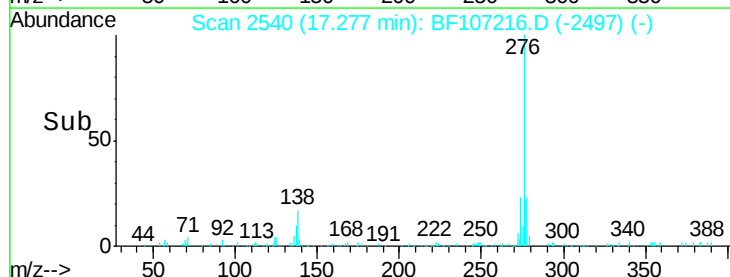
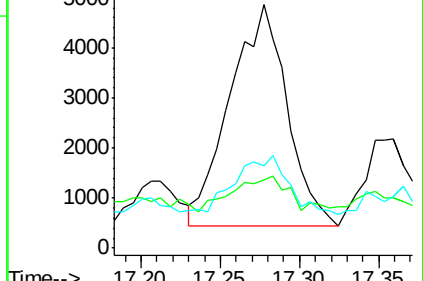
Tgt Ion:	278	Resp:	11062
Ion	Ratio	Lower	Upper
278	100		
139	27.8	15.9	23.9#
279	33.7	19.0	28.4#

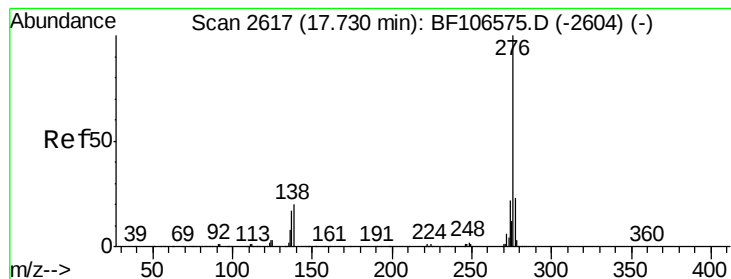


Abundance Ion 278.00 (277.70 to 278.70): E

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: 9.099 ng

RT: 17.77 min Scan# 2624

Delta R.T. -0.02 min

Lab File: BF107216.D

Acq: 7 Jul 2018 19:32

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-15

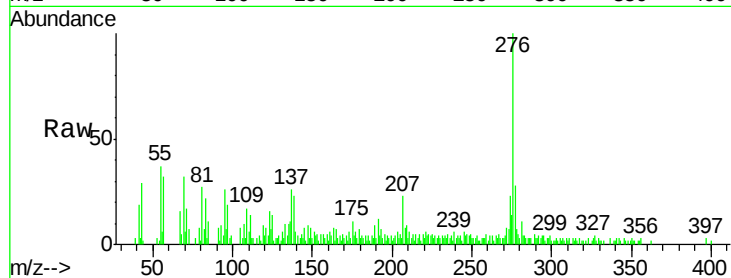
Tgt Ion: 276 Resp: 35443

Ion Ratio Lower Upper

276 100

277 27.7 17.9 26.9#

138 23.0 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

