

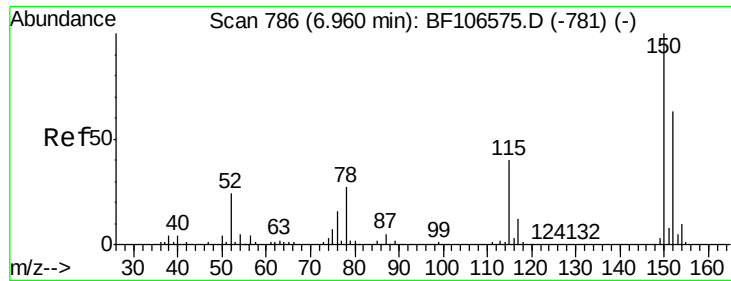
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071018\
 Data File : BF107284.D
 Acq On : 10 Jul 2018 20:22
 Operator : JU/SJ
 Sample : J3880-13RE
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-17RE

Quant Time: Jul 11 01:09:23 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	6.94	152	25224	20.00	ng	-0.02
21) Naphthalene-d8	8.22	136	85581	20.00	ng	-0.02
38) Acenaphthene-d10	9.98	164	40434	20.00	ng	-0.02
63) Phenanthrene-d10	11.48	188	88238	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	77826	20.00	ng	-0.03
86) Perylene-d12	15.68	264	56980	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	160230	107.56	ng	-0.01
7) Phenol-d6	6.59	99	184599	99.23	ng	-0.02
23) Nitrobenzene-d5	7.50	82	104921	68.13	ng	-0.04
41) 2,4,6-Tribromophenol	10.78	330	54184	115.62	ng	-0.02
44) 2-Fluorobiphenyl	9.30	172	203188	85.07	ng	-0.03
78) Terphenyl-d14	13.06	244	291944	90.87	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.50	70	13393	10.922	ng	Qvalue # 73
25) Isophorone	7.50	82	104921	38.664	ng	# 64
49) Dimethylphthalate	9.69	163	48601	16.026	ng	99
55) 4-Nitrophenol	10.19	139	1122	2.175	ng	# 9
56) 2,4-Dinitrotoluene	9.98	165	5247	6.260	ng	# 21
66) 4-Bromophenyl-phenylether	10.78	248	3266	3.101	ng	# 1
70) Phenanthrene	11.50	178	37807	8.883	ng	96
71) Anthracene	11.55	178	13512	3.110	ng	99
74) Fluoranthene	12.70	202	89897	19.164	ng	96
77) Pyrene	12.93	202	84854	16.534	ng	99
80) Benzo(a)anthracene	14.12	228	49061	10.343	ng	97
82) Chrysene	14.16	228	41821	9.584	ng	98
85) Indeno(1,2,3-cd)pyrene	17.27	276	20620	5.568	ng	# 93
87) Benzo(b)fluoranthene	15.21	252	60277	17.029	ng	97
88) Benzo(k)fluoranthene	15.21	252	60277	17.883	ng	98
89) Benzo(a)pyrene	15.61	252	29371	9.334	ng	96
90) Dibenzo(a,h)anthracene	17.25	278	6993	2.622	ng	# 80
91) Benzo(g,h,i)perylene	17.75	276	18933	7.264	ng	# 91

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

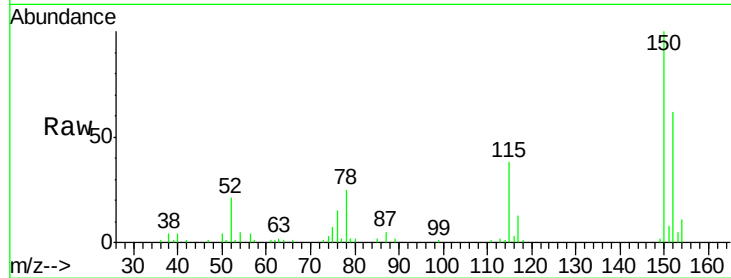


#1

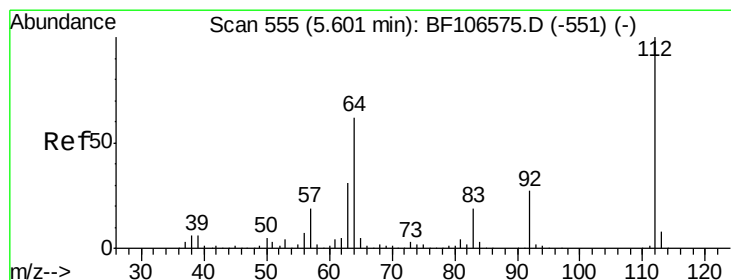
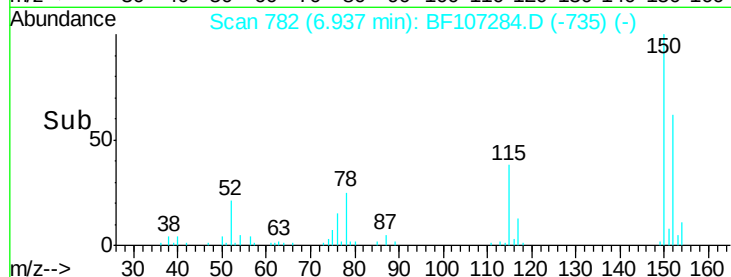
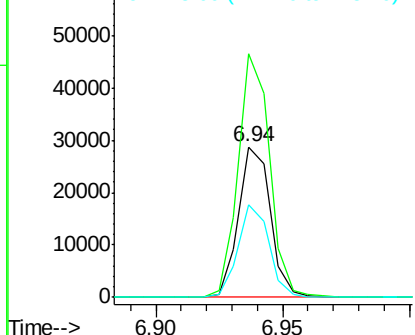
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 782
Delta R.T. -0.02 min
Lab File: BF107284.D
Acq: 10 Jul 2018 20:22

Instrument :
BNA_F
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Tgt Ion:152 Resp: 25224
Ion Ratio Lower Upper
152 100
150 161.8 124.6 186.8
115 61.3 50.1 75.1



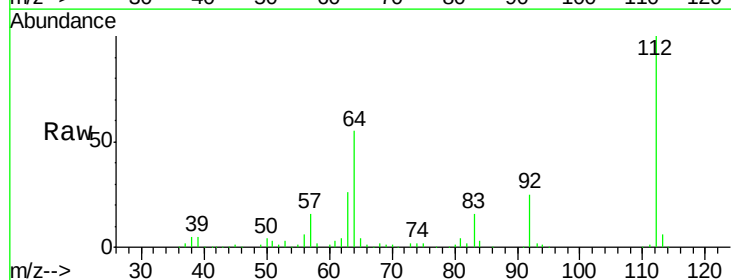
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



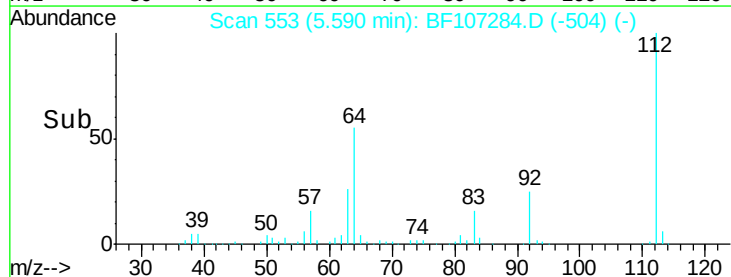
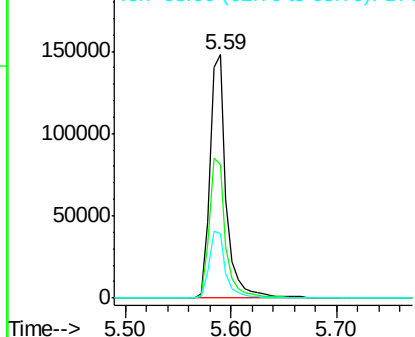
#5

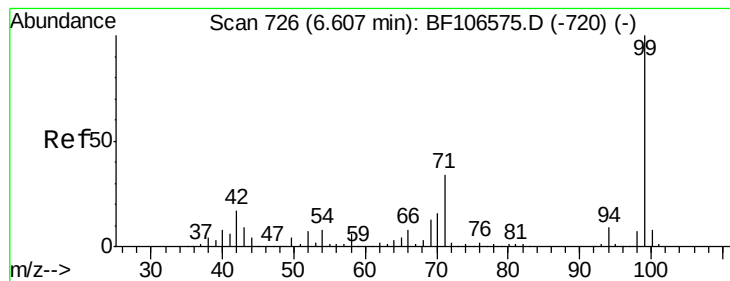
2-Fluorophenol
Concen: 107.564 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF107284.D
Acq: 10 Jul 2018 20:22

Tgt Ion:112 Resp: 160230
Ion Ratio Lower Upper
112 100
64 54.6 47.9 71.9
63 26.4 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: 99.234 ng

RT: 6.59 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF107284.D

Acq: 10 Jul 2018 20:22

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-17RE

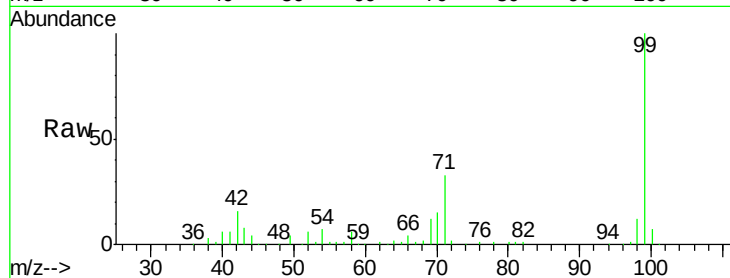
Tgt Ion: 99 Resp: 184599

Ion Ratio Lower Upper

99 100

42 15.5 14.5 21.7

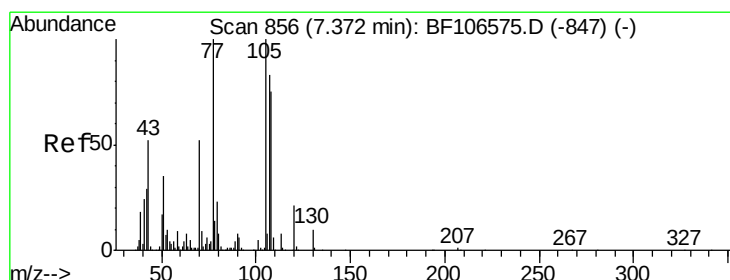
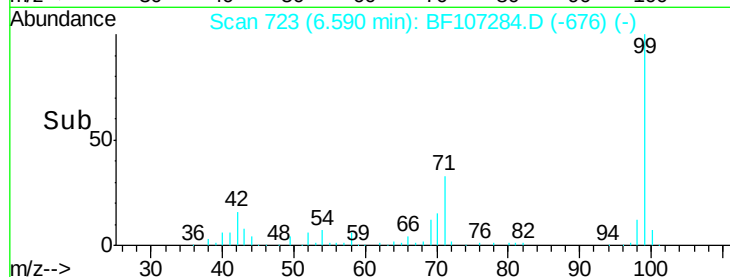
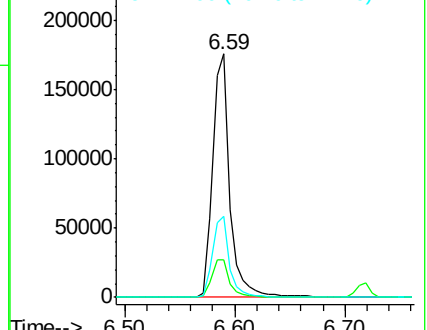
71 33.4 25.4 38.0



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: 10.922 ng

RT: 7.50 min Scan# 878

Delta R.T. 0.12 min

Lab File: BF107284.D

Acq: 10 Jul 2018 20:22

Tgt Ion: 70 Resp: 13393

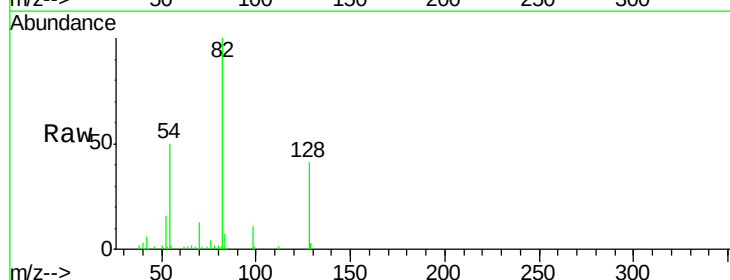
Ion Ratio Lower Upper

70 100

42 43.1 47.5 71.3#

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

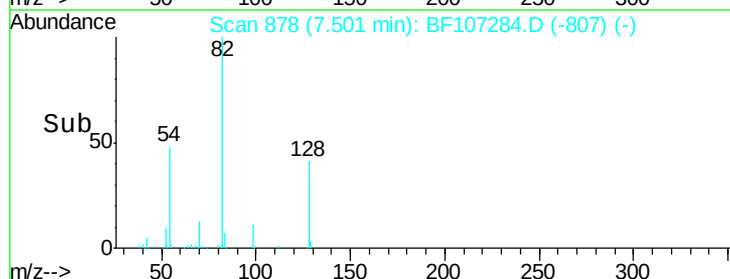
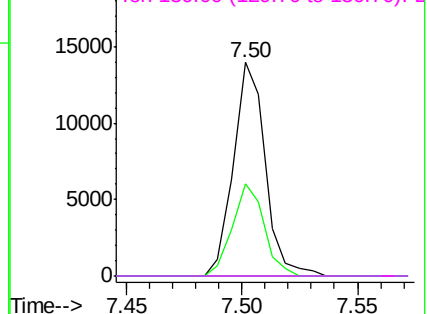


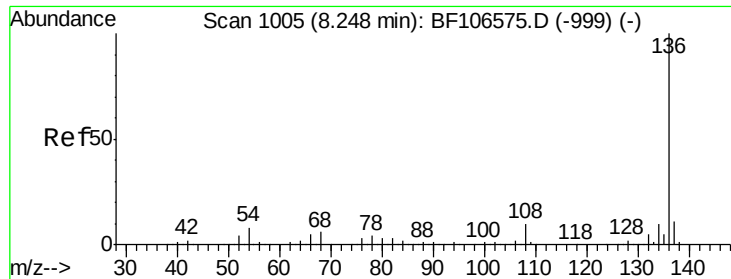
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

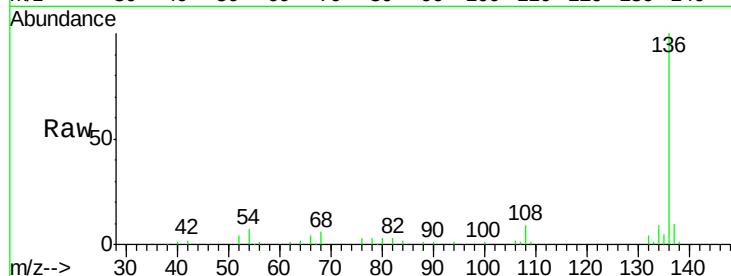




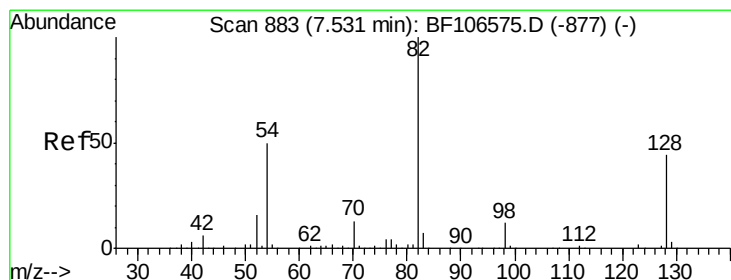
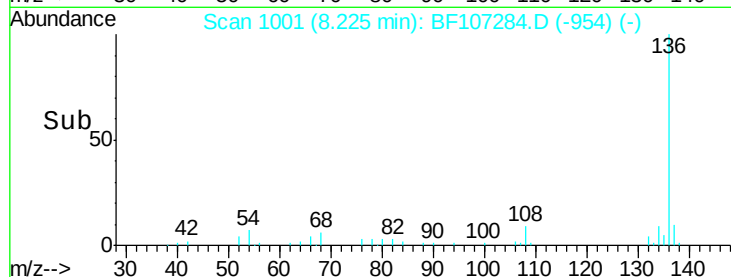
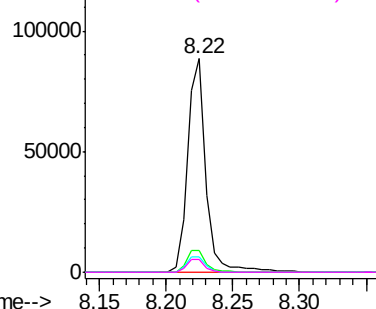
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1001
Delta R.T. -0.02 min
Lab File: BF107284.D
Acq: 10 Jul 2018 20:22

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-17RE

Tgt Ion:	136	Resp:	85581
Ion	Ratio	Lower	Upper
136	100		
137	10.1	8.9	13.3
54	7.3	6.6	9.8
68	6.2	5.0	7.4

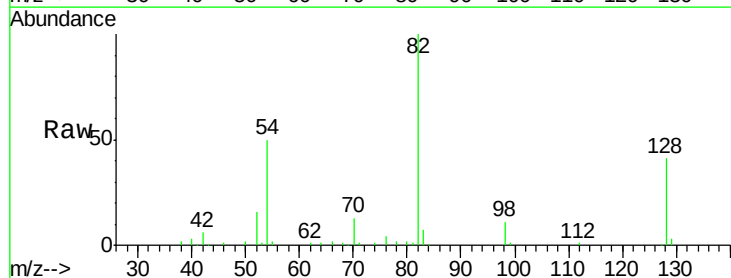


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

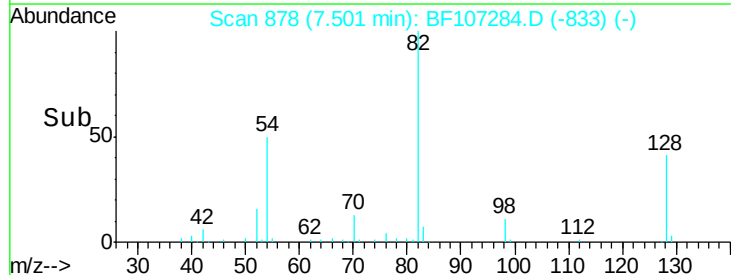
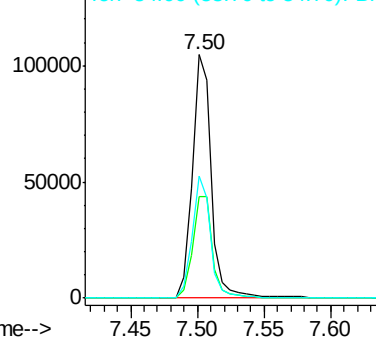


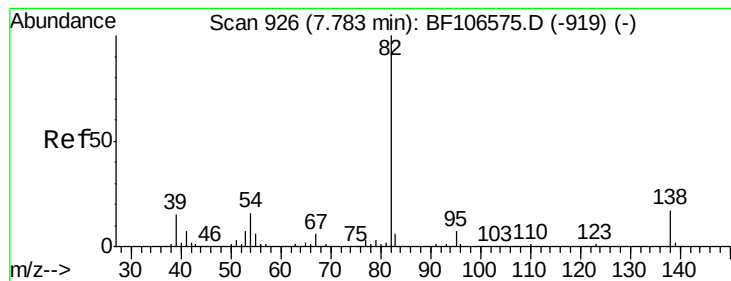
#23
Nitrobenzene-d5
Concen: 68.132 ng
RT: 7.50 min Scan# 878
Delta R.T. -0.04 min
Lab File: BF107284.D
Acq: 10 Jul 2018 20:22

Tgt Ion:	82	Resp:	104921
Ion	Ratio	Lower	Upper
82	100		
128	41.5	36.1	54.1
54	49.9	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: 38.664 ng

RT: 7.50 min Scan# 878

Delta R.T. -0.29 min

Lab File: BF107284.D

Acq: 10 Jul 2018 20:22

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-17RE

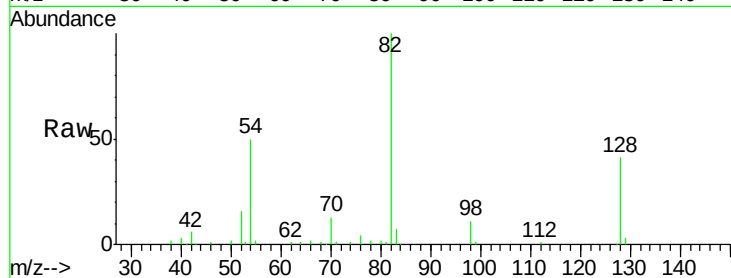
Tgt Ion: 82 Resp: 104921

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

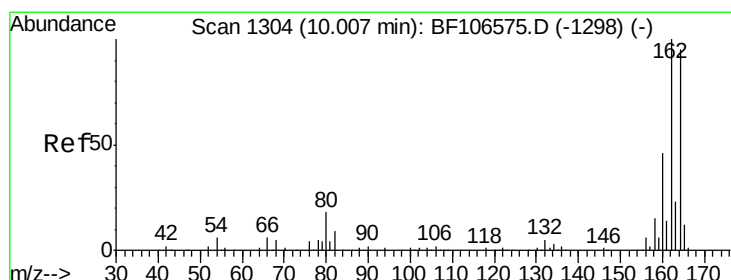
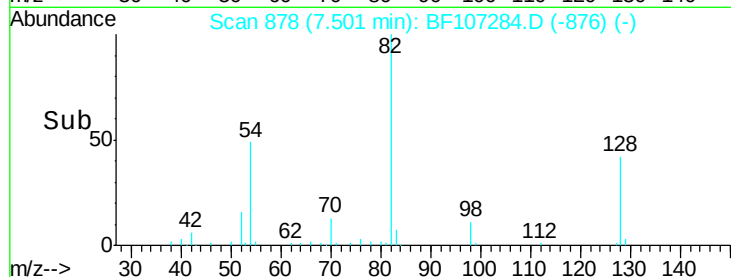
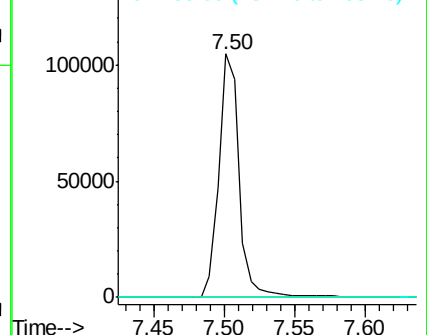
138 0.0 14.9 22.3#



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: 9.98 min Scan# 1300

Delta R.T. -0.02 min

Lab File: BF107284.D

Acq: 10 Jul 2018 20:22

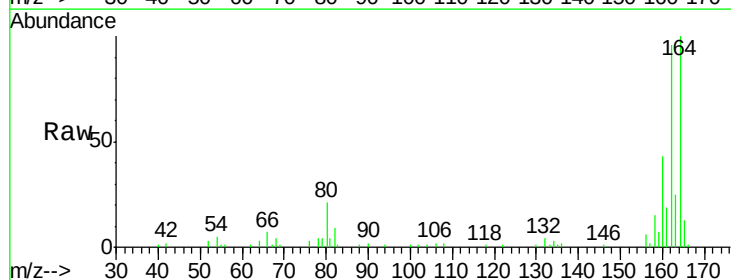
Tgt Ion: 164 Resp: 40434

Ion Ratio Lower Upper

164 100

162 96.4 86.1 129.1

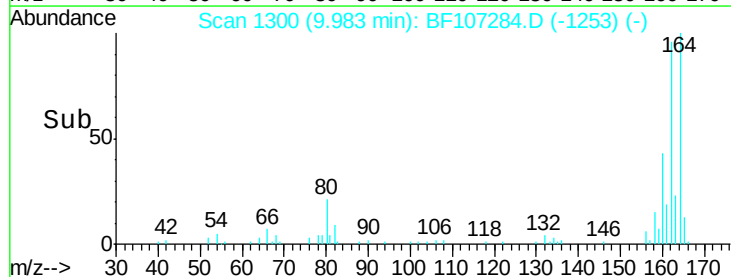
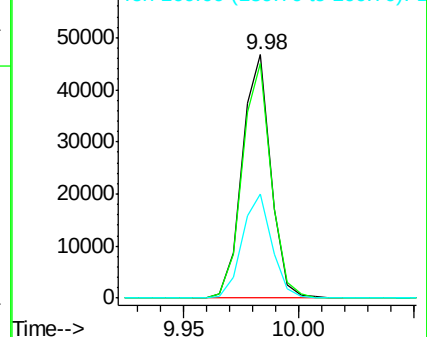
160 42.7 38.3 57.5

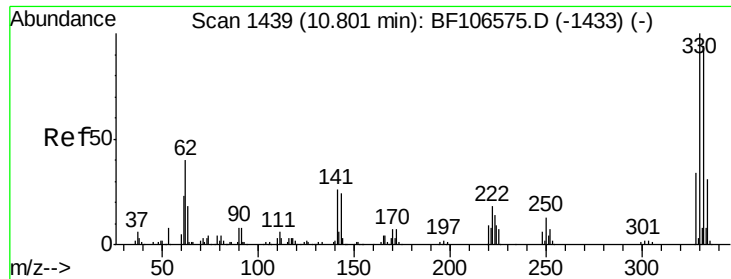


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

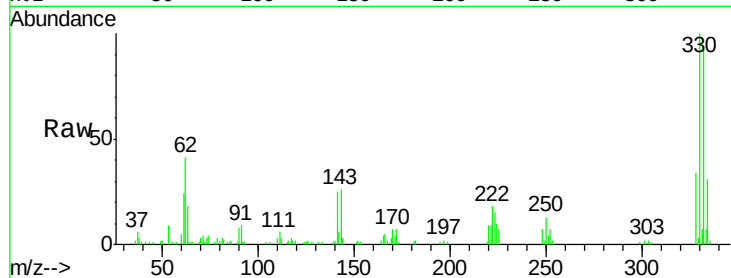




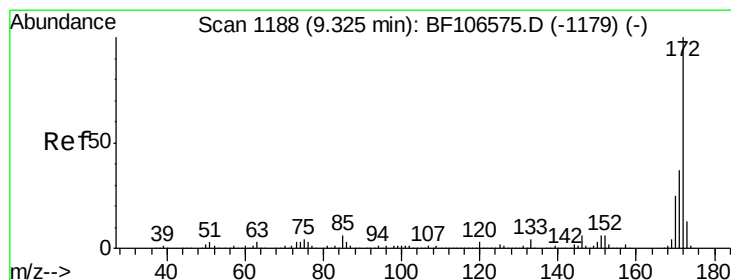
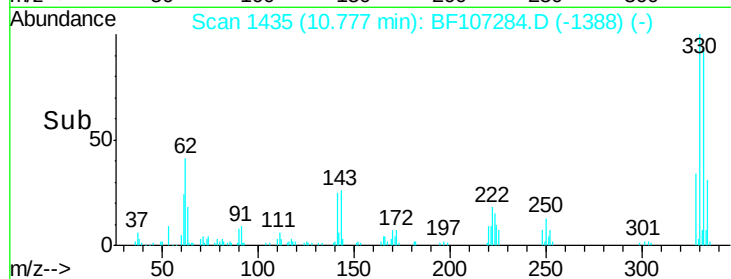
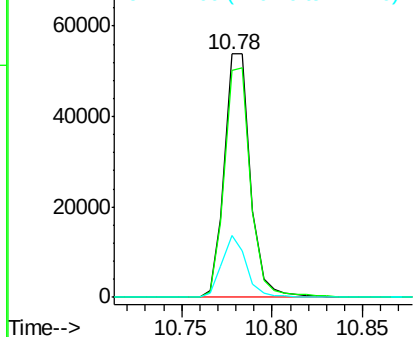
#41
 2,4,6-Tribromophenol
 Concen: 115.619 ng
 RT: 10.78 min Scan# 1435
 Delta R.T. -0.02 min
 Lab File: BF107284.D
 Acq: 10 Jul 2018 20:22

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-17RE

Tgt Ion:330 Resp: 54184
 Ion Ratio Lower Upper
 330 100
 332 94.9 77.0 115.6
 141 23.8 29.9 44.9#

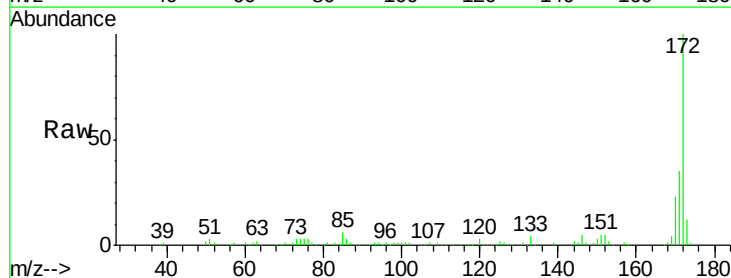


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

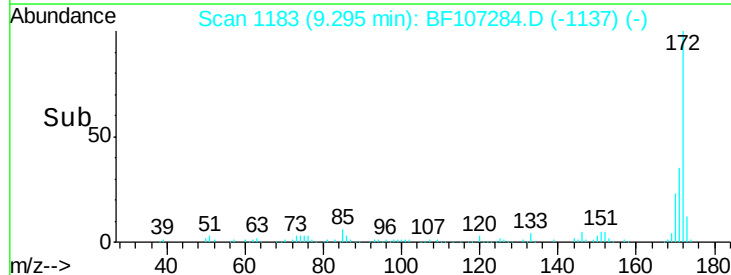
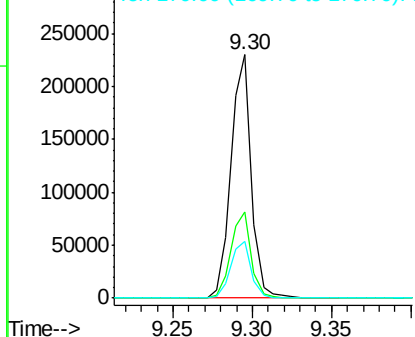


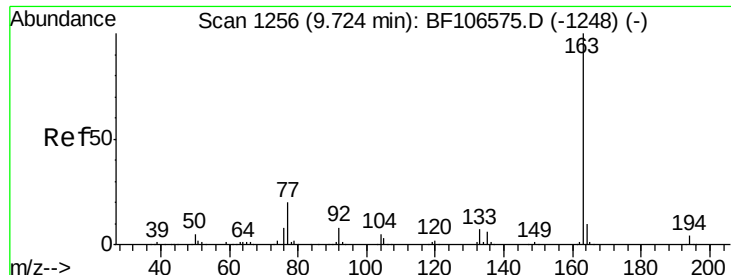
#44
 2-Fluorobiphenyl
 Concen: 85.069 ng
 RT: 9.30 min Scan# 1183
 Delta R.T. -0.03 min
 Lab File: BF107284.D
 Acq: 10 Jul 2018 20:22

Tgt Ion:172 Resp: 203188
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.7 44.5
 170 23.2 19.6 29.4



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

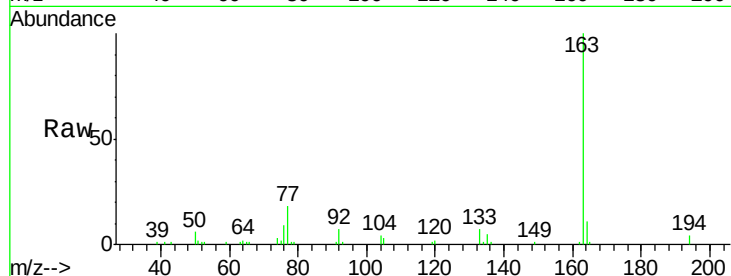




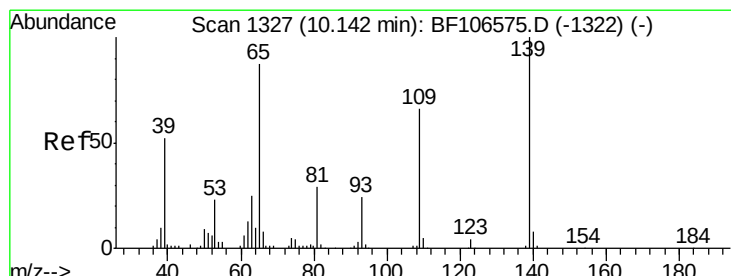
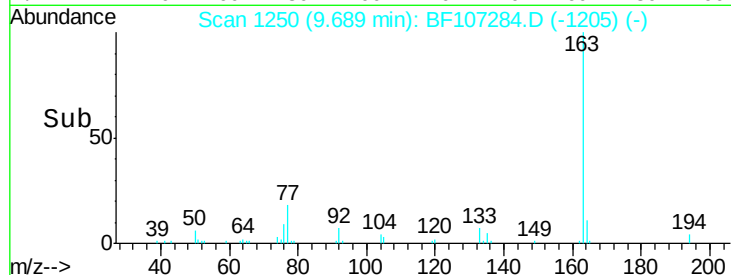
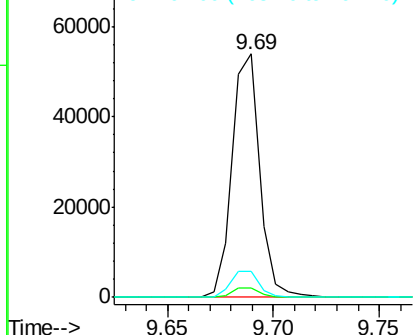
#49
Dimethylphthalate
Concen: 16.026 ng
RT: 9.69 min Scan# 1250
Delta R.T. -0.04 min
Lab File: BF107284.D
Acq: 10 Jul 2018 20:22

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-17RE

Tgt Ion:163 Resp: 48601
Ion Ratio Lower Upper
163 100
194 4.0 2.7 4.1
164 10.7 8.2 12.2

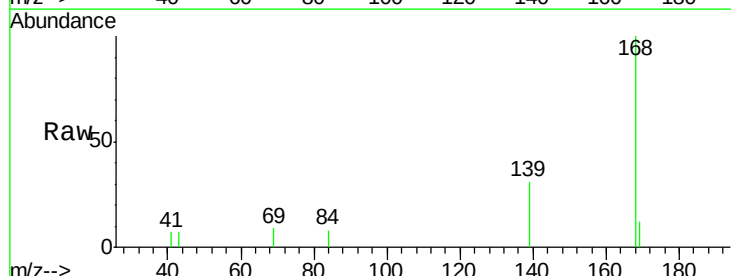


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

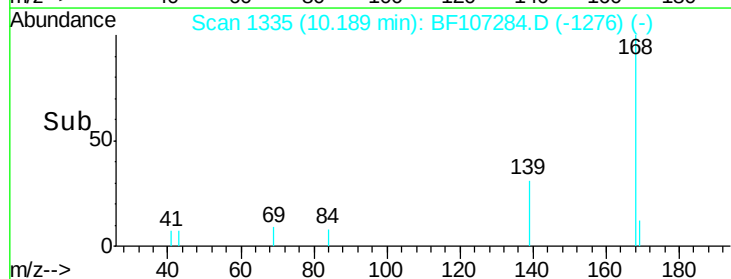
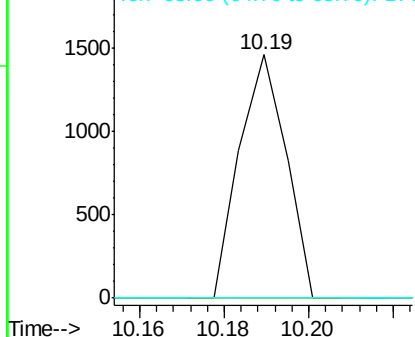


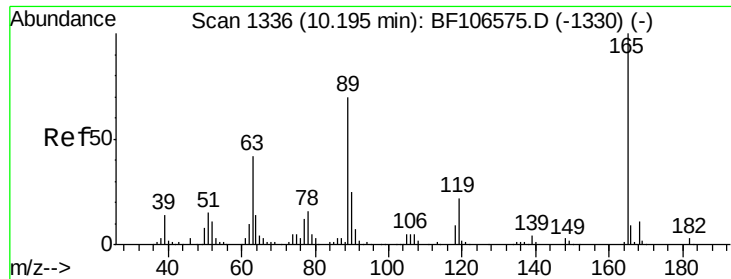
#55
4-Nitrophenol
Concen: 2.175 ng
RT: 10.19 min Scan# 1335
Delta R.T. 0.05 min
Lab File: BF107284.D
Acq: 10 Jul 2018 20:22

Tgt Ion:139 Resp: 1122
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

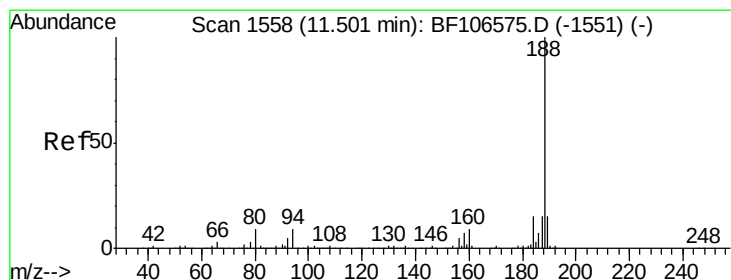
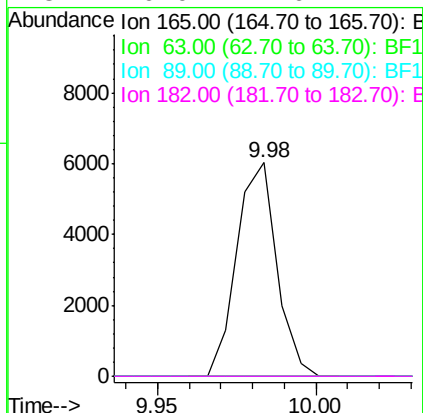
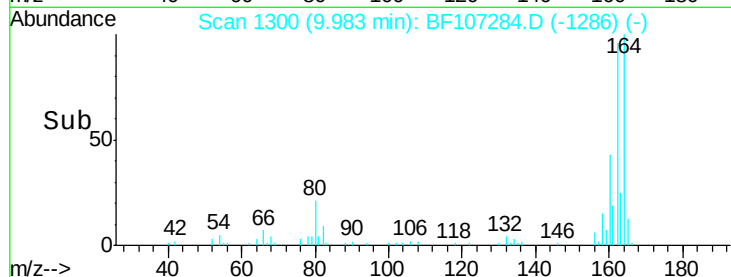
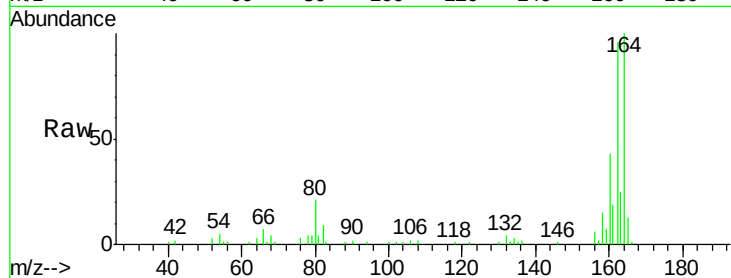




#56
2,4-Dinitrotoluene
Concen: 6.260 ng
RT: 9.98 min Scan# 1300
Delta R.T. -0.22 min
Lab File: BF107284.D
Acq: 10 Jul 2018 20:22

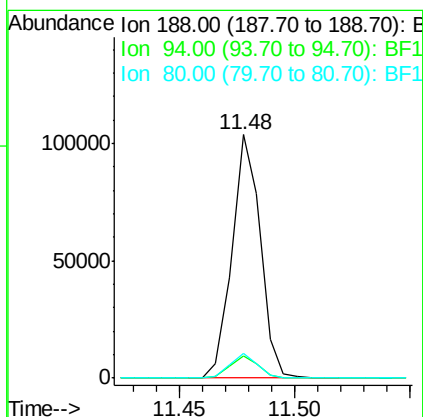
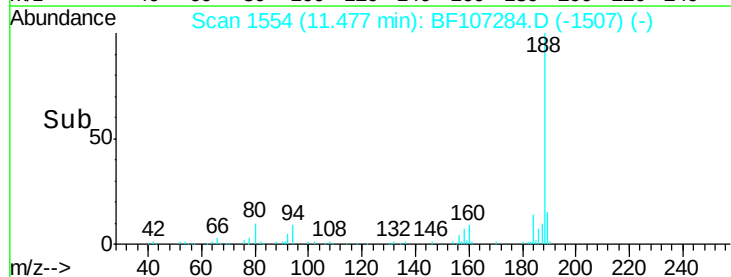
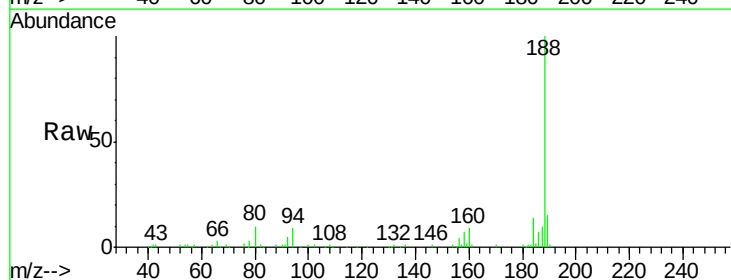
Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-17RE

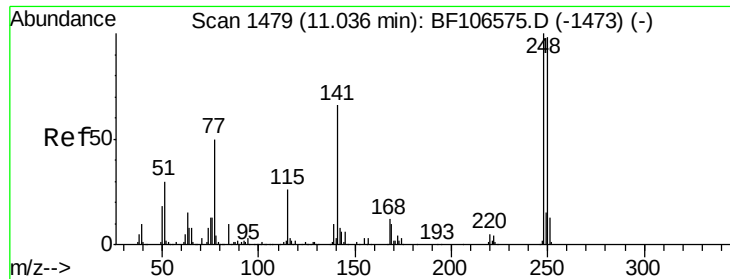
Tgt Ion:	165	Resp:	5247
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1554
Delta R.T. -0.02 min
Lab File: BF107284.D
Acq: 10 Jul 2018 20:22

Tgt Ion:	188	Resp:	88238
Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.5	12.7
80	10.1	9.2	13.8

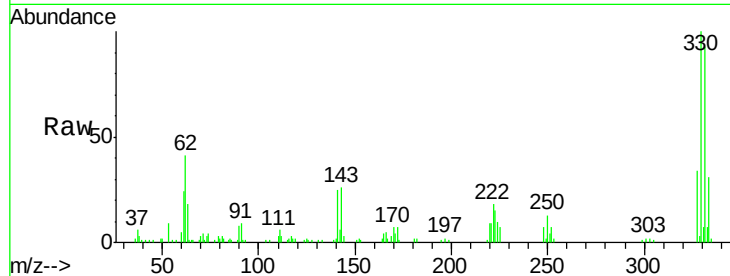




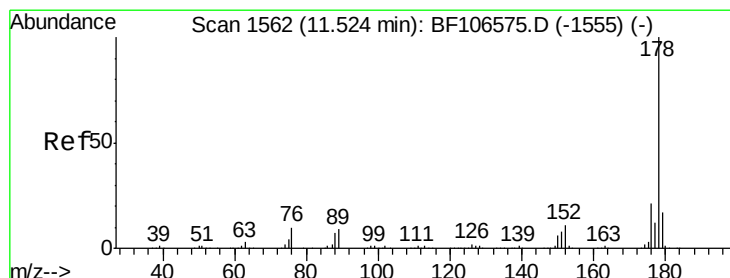
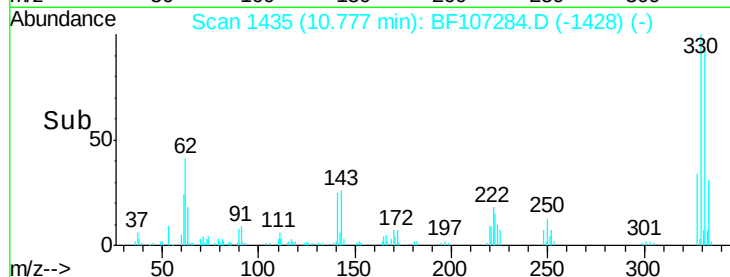
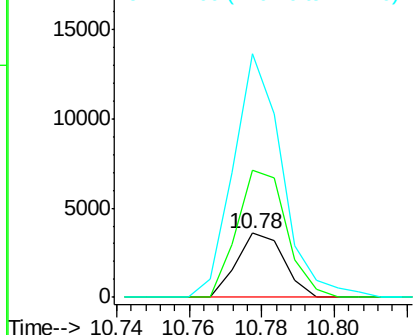
#66
 4-Bromophenyl-phenylether
 Concen: 3.101 ng
 RT: 10.78 min Scan# 1435
 Delta R.T. -0.26 min
 Lab File: BF107284.D
 Acq: 10 Jul 2018 20:22

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-17RE

Tgt Ion: 248 Resp: 3266
 Ion Ratio Lower Upper
 248 100
 250 197.7 76.9 115.3#
 141 378.9 74.4 111.6#

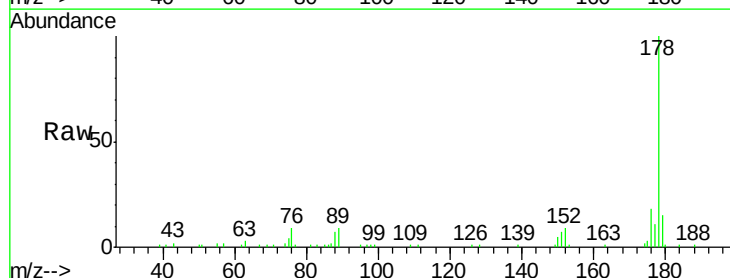


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

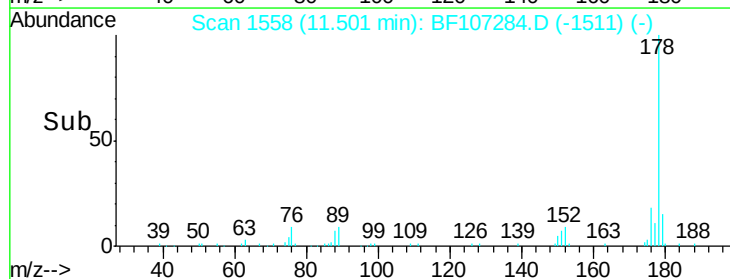
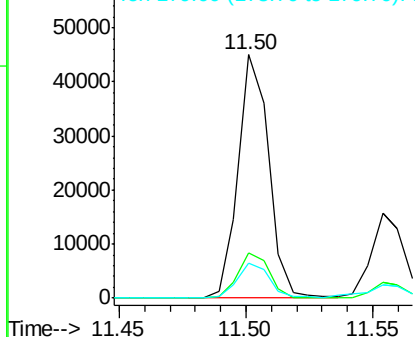


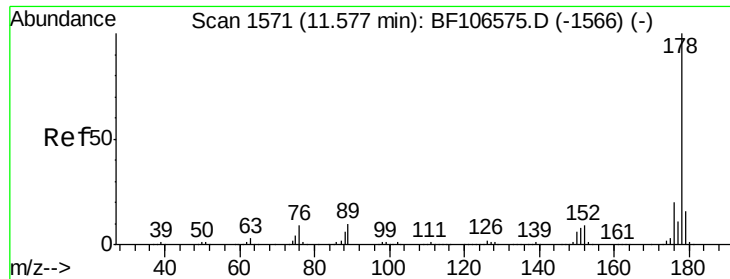
#70
 Phenanthrene
 Concen: 8.883 ng
 RT: 11.50 min Scan# 1558
 Delta R.T. -0.02 min
 Lab File: BF107284.D
 Acq: 10 Jul 2018 20:22

Tgt Ion: 178 Resp: 37807
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.8 23.8
 179 14.6 13.0 19.6



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





#71

Anthracene

Concen: 3.110 ng

RT: 11.55 min Scan# 1567

Delta R.T. -0.02 min

Lab File: BF107284.D

Acq: 10 Jul 2018 20:22

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-17RE

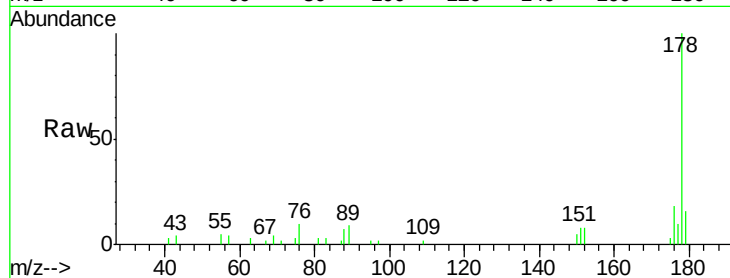
Tgt Ion:178 Resp: 13512

Ion Ratio Lower Upper

178 100

176 18.2 15.4 23.2

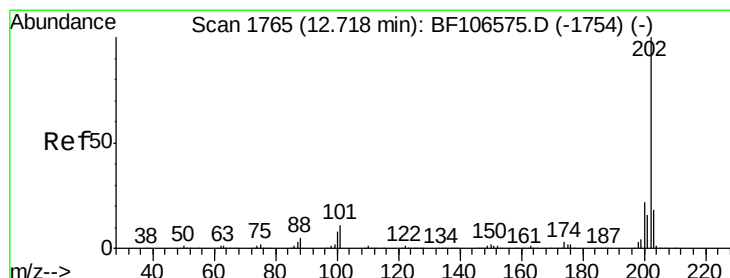
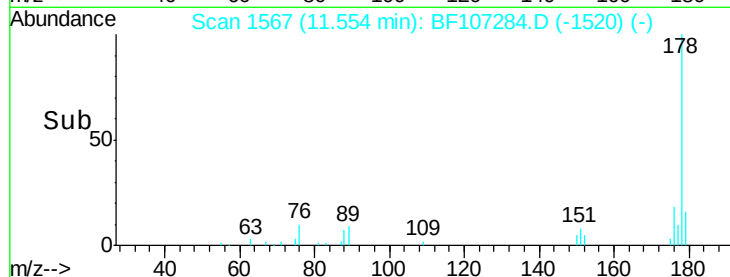
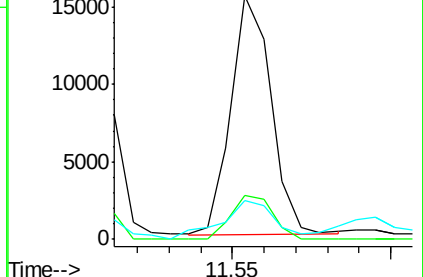
179 15.8 12.6 19.0



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: 19.164 ng

RT: 12.70 min Scan# 1762

Delta R.T. -0.02 min

Lab File: BF107284.D

Acq: 10 Jul 2018 20:22

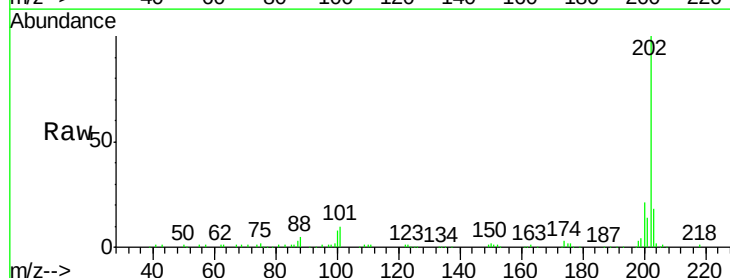
Tgt Ion:202 Resp: 89897

Ion Ratio Lower Upper

202 100

101 10.4 0.0 34.1

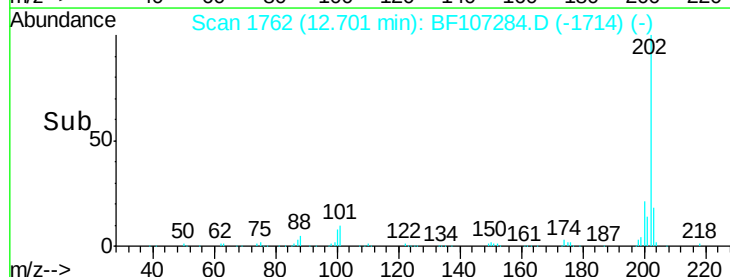
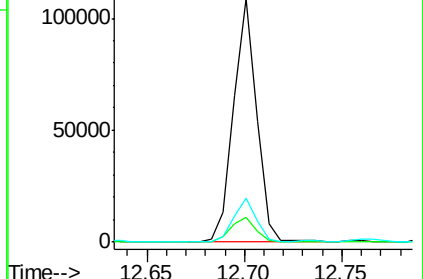
203 17.9 0.0 38.1

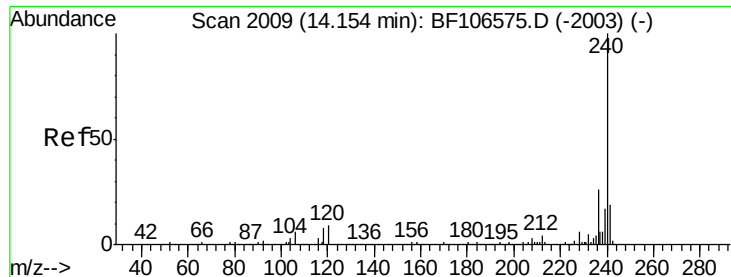


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2006

Delta R.T. -0.03 min

Lab File: BF107284.D

Acq: 10 Jul 2018 20:22

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-17RE

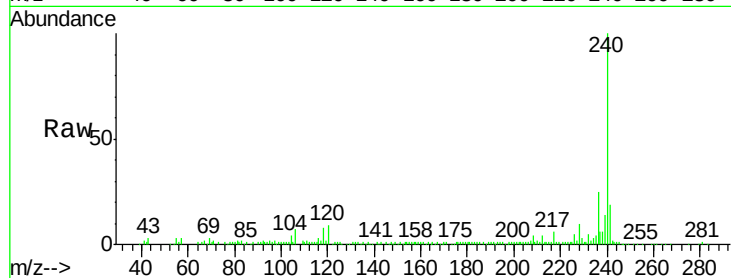
Tgt Ion:240 Resp: 77826

Ion Ratio Lower Upper

240 100

120 9.5 9.5 14.3#

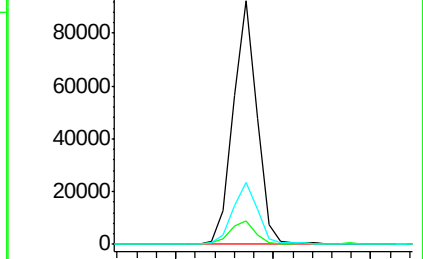
236 25.4 20.7 31.1



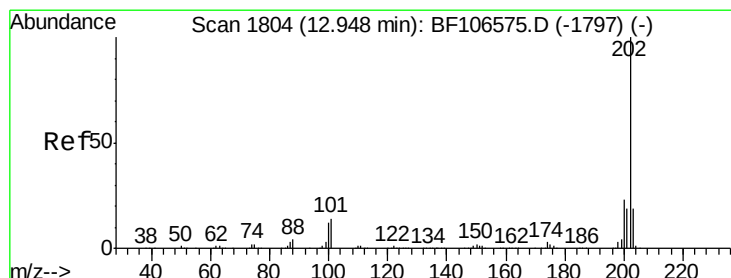
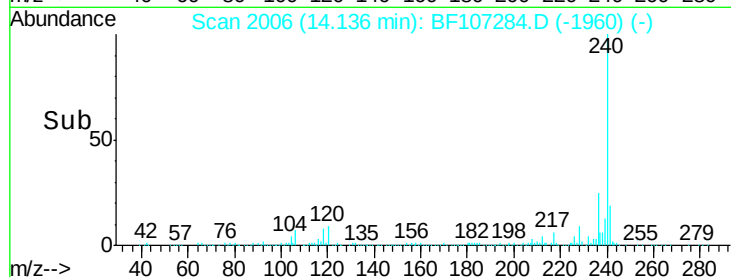
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#77

Pyrene

Concen: 16.534 ng

RT: 12.93 min Scan# 1801

Delta R.T. -0.02 min

Lab File: BF107284.D

Acq: 10 Jul 2018 20:22

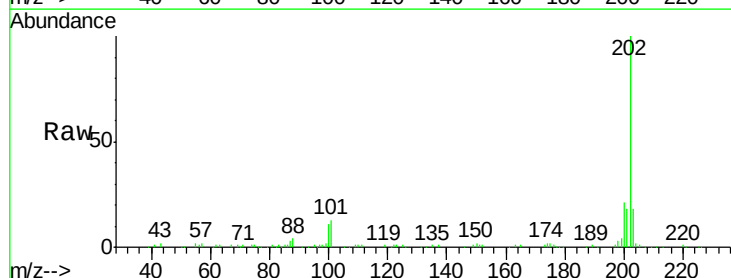
Tgt Ion:202 Resp: 84854

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

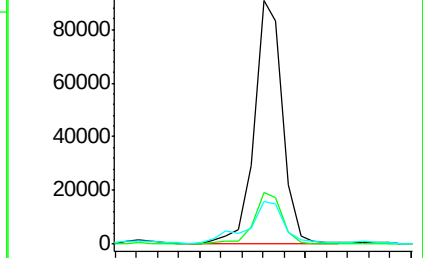
203 17.5 14.3 21.5



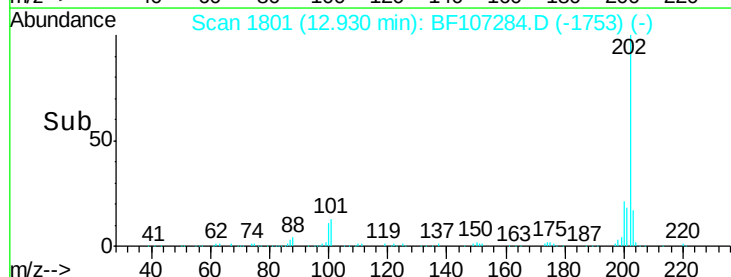
Abundance Ion 202.00 (201.70 to 202.70): E

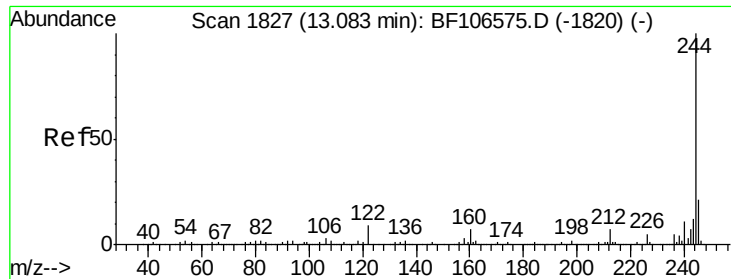
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#78

Terphenyl-d14

Concen: 90.866 ng

RT: 13.06 min Scan# 1823

Delta R.T. -0.02 min

Lab File: BF107284.D

Acq: 10 Jul 2018 20:22

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-17RE

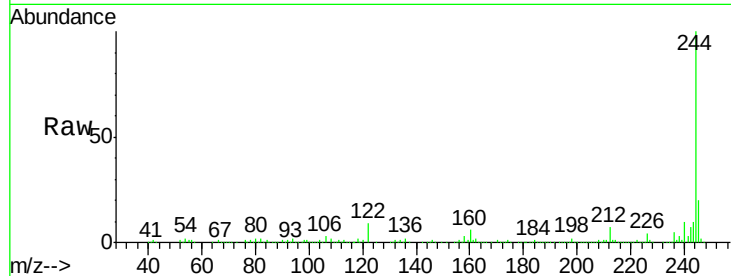
Tgt Ion:244 Resp: 291944

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

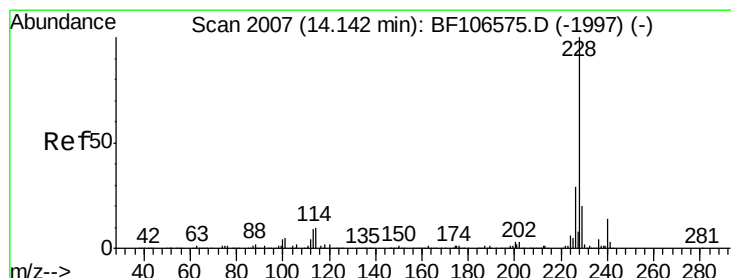
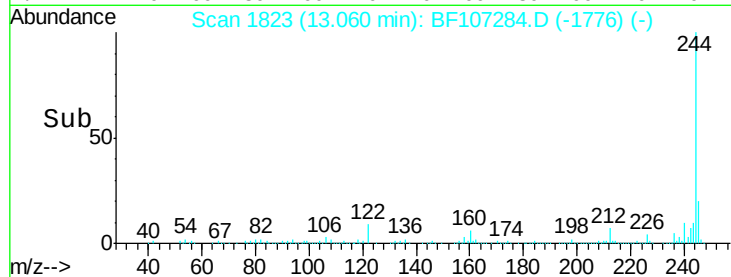
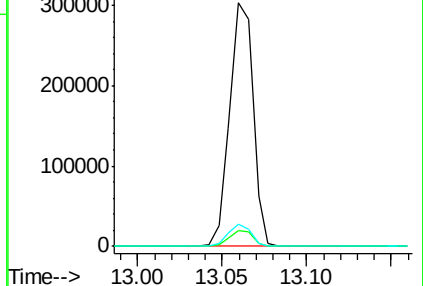
122 9.3 11.0 16.4#



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: 10.343 ng

RT: 14.12 min Scan# 2004

Delta R.T. -0.03 min

Lab File: BF107284.D

Acq: 10 Jul 2018 20:22

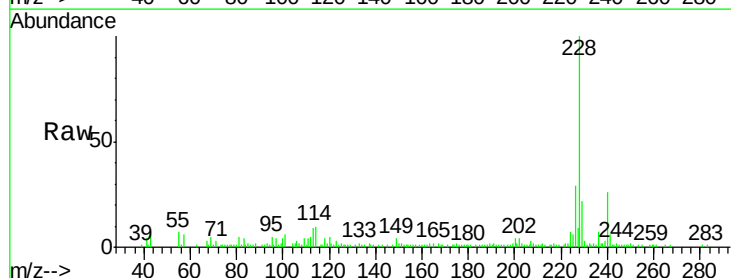
Tgt Ion:228 Resp: 49061

Ion Ratio Lower Upper

228 100

226 28.7 22.6 33.8

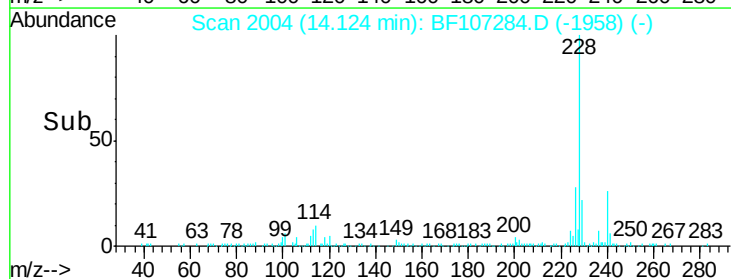
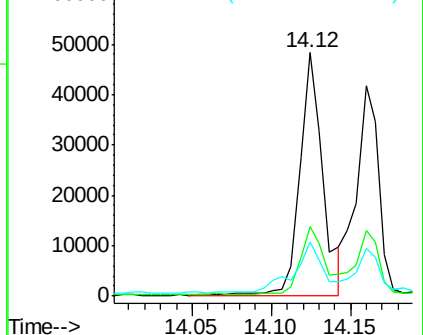
229 22.3 15.8 23.6

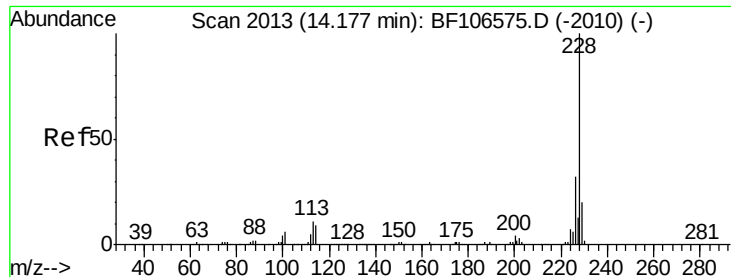


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 9.584 ng

RT: 14.16 min Scan# 2010

Delta R.T. -0.04 min

Lab File: BF107284.D

Acq: 10 Jul 2018 20:22

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-17RE

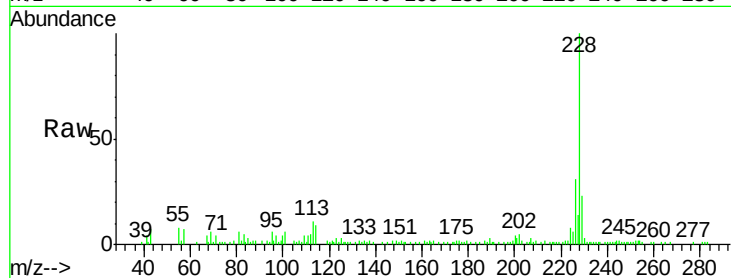
Tgt Ion:228 Resp: 41821

Ion Ratio Lower Upper

228 100

226 31.3 25.0 37.6

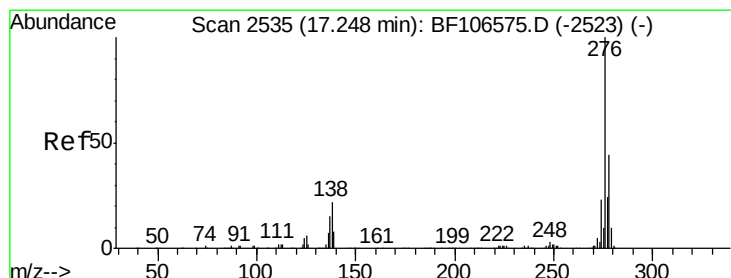
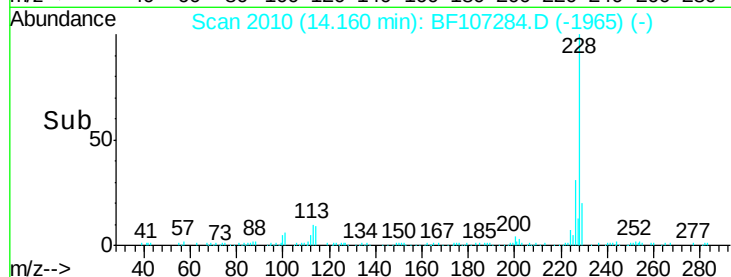
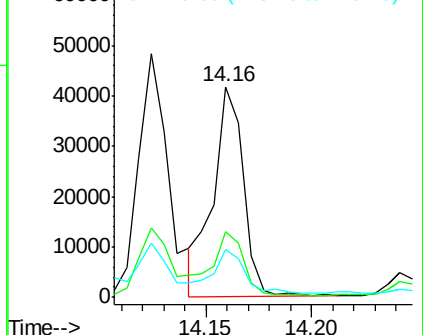
229 22.7 16.2 24.4



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: 5.568 ng

RT: 17.27 min Scan# 2538

Delta R.T. -0.04 min

Lab File: BF107284.D

Acq: 10 Jul 2018 20:22

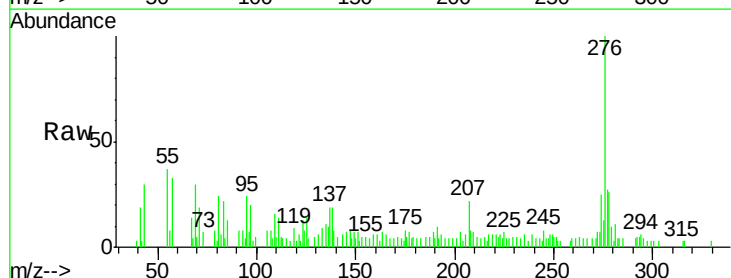
Tgt Ion:276 Resp: 20620

Ion Ratio Lower Upper

276 100

138 24.9 25.0 37.6#

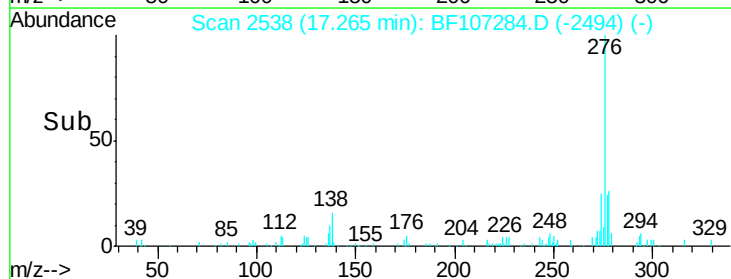
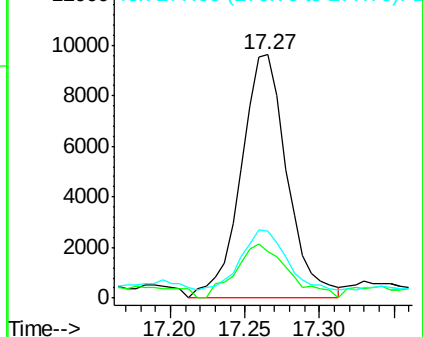
277 23.9 20.1 30.1

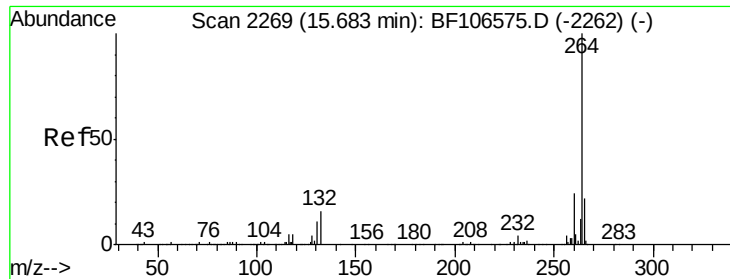


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



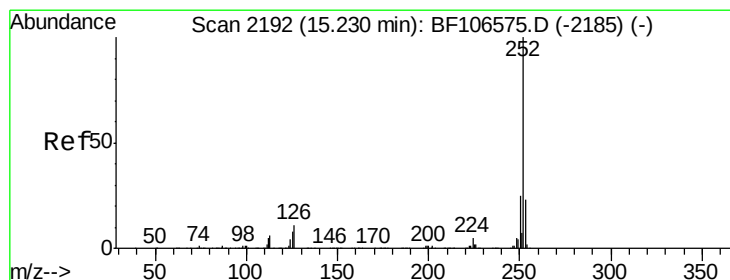
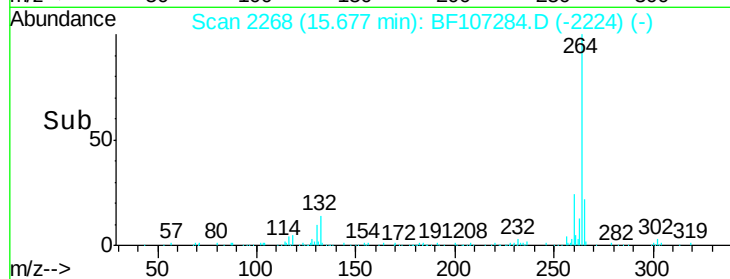
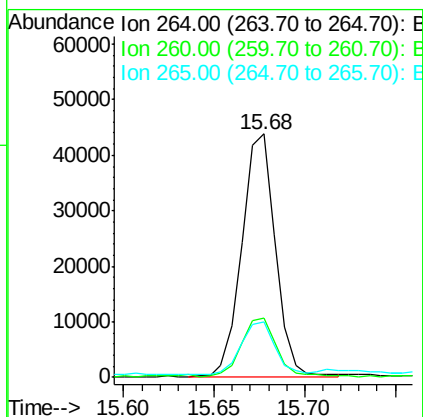
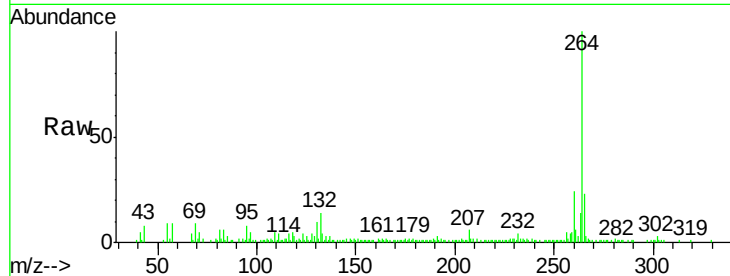


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.04 min
Lab File: BF107284.D
Acq: 10 Jul 2018 20:22

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-17RE

Tgt Ion: 264 Resp: 56980

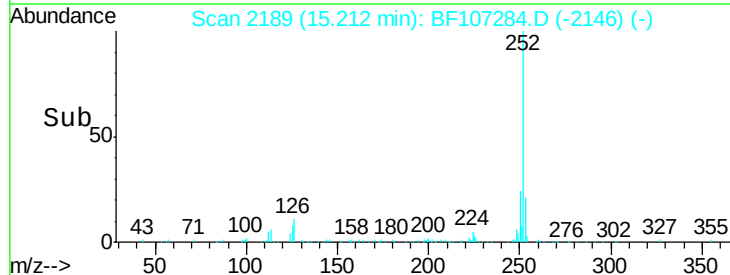
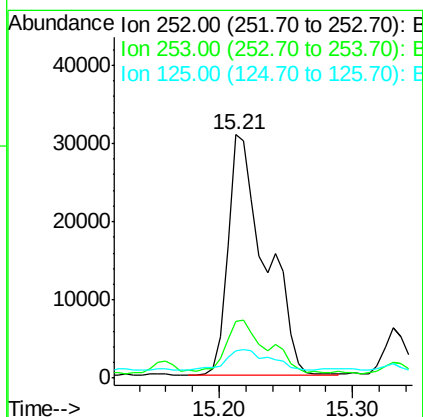
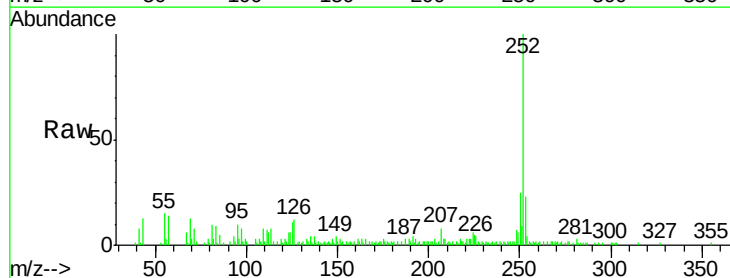
Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.8	17.5	26.3

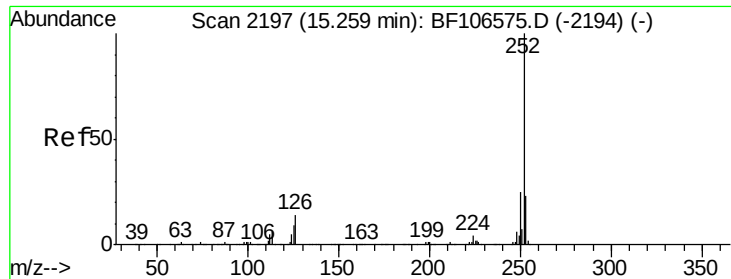


#87
Benzo(b)fluoranthene
Concen: 17.029 ng
RT: 15.21 min Scan# 2189
Delta R.T. -0.05 min
Lab File: BF107284.D
Acq: 10 Jul 2018 20:22

Tgt Ion: 252 Resp: 60277

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	11.5	9.0	13.6

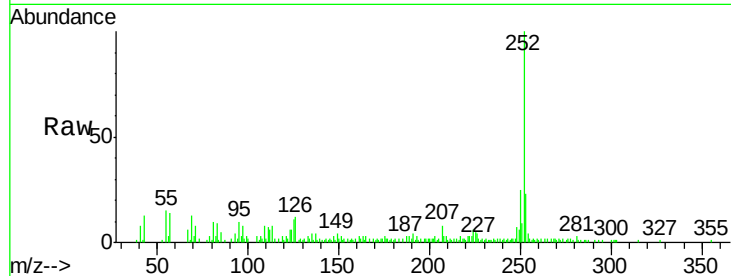




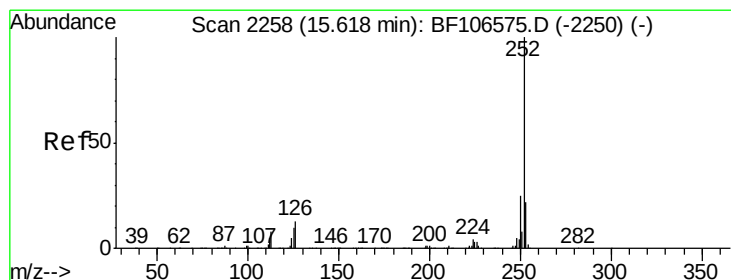
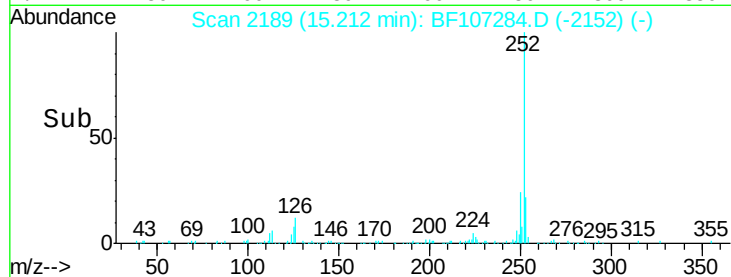
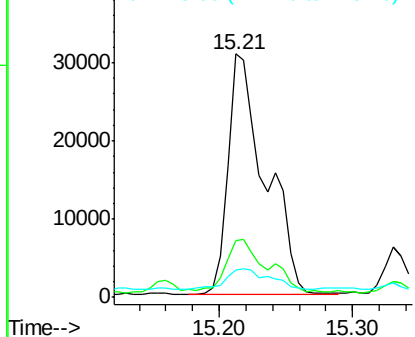
#88
Benzo(k)fluoranthene
Concen: 17.883 ng
RT: 15.21 min Scan# 2189
Delta R.T. -0.08 min
Lab File: BF107284.D
Acq: 10 Jul 2018 20:22

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-17RE

Tgt Ion:252 Resp: 60277
Ion Ratio Lower Upper
252 100
253 23.2 17.9 26.9
125 11.5 10.2 15.2

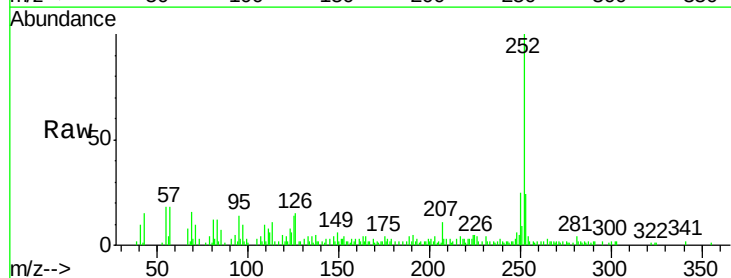


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

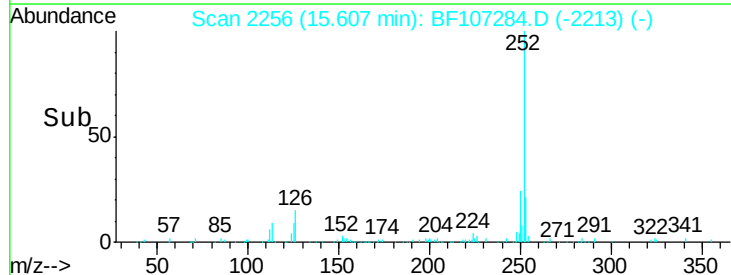
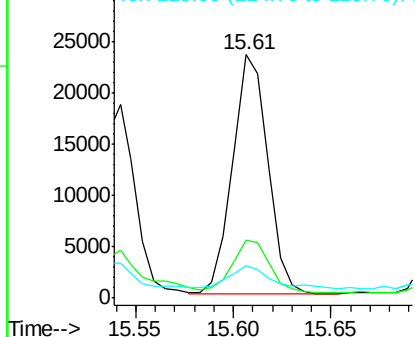


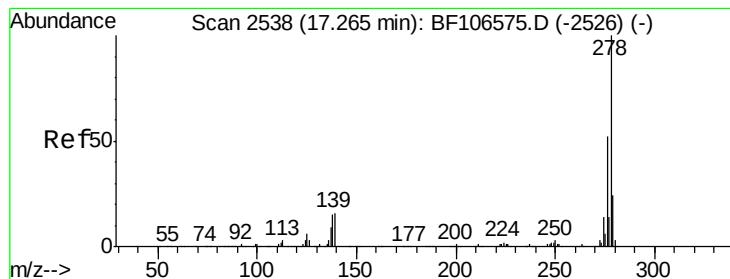
#89
Benzo(a)pyrene
Concen: 9.334 ng
RT: 15.61 min Scan# 2256
Delta R.T. -0.05 min
Lab File: BF107284.D
Acq: 10 Jul 2018 20:22

Tgt Ion:252 Resp: 29371
Ion Ratio Lower Upper
252 100
253 23.8 17.1 25.7
125 13.5 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: 2.622 ng

RT: 17.25 min Scan# 2536

Delta R.T. -0.07 min

Lab File: BF107284.D

Acq: 10 Jul 2018 20:22

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-17RE

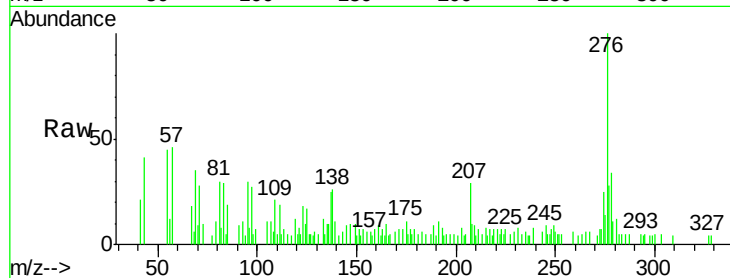
Tgt Ion:278 Resp: 6993

Ion Ratio Lower Upper

278 100

139 32.5 15.9 23.9#

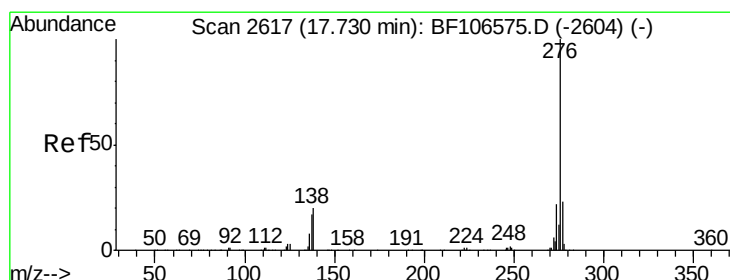
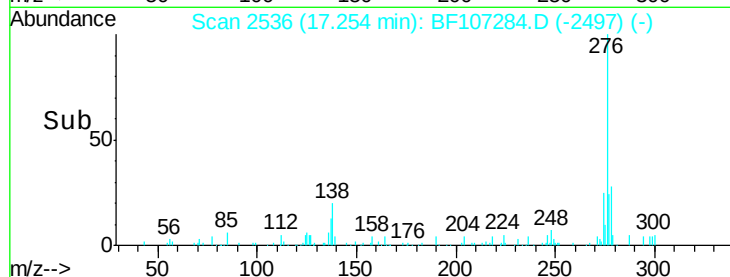
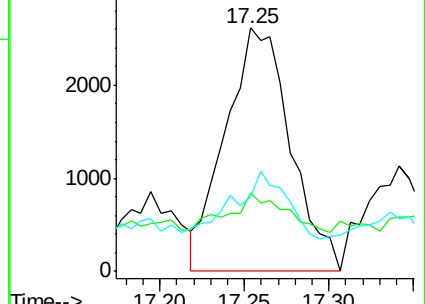
279 30.7 19.0 28.4#



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: 7.264 ng

RT: 17.75 min Scan# 2620

Delta R.T. -0.04 min

Lab File: BF107284.D

Acq: 10 Jul 2018 20:22

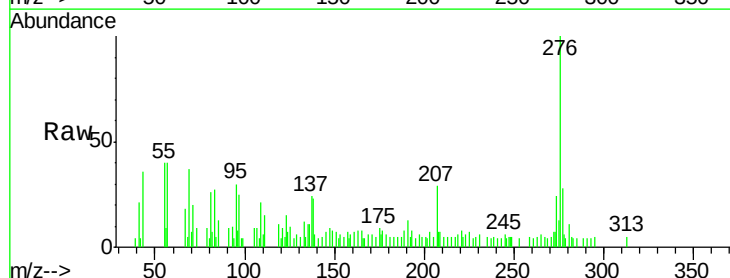
Tgt Ion:276 Resp: 18933

Ion Ratio Lower Upper

276 100

277 27.6 17.9 26.9#

138 23.4 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

