

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF062218\
 Data File : BF106742.D
 Acq On : 23 Jun 2018 6:53
 Operator : JU/SJ
 Sample : J3581-07 2X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSP-C-COMPOSITE

Quant Time: Jun 25 01:17:29 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 22 11:34:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	51826	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	187335	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	78911	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	146957	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	148706	20.00	ng	-0.01
86) Perylene-d12	15.68	264	109159	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	179975	58.80	ng	0.00
7) Phenol-d6	6.60	99	222897	58.32	ng	0.00
23) Nitrobenzene-d5	7.52	82	137074	40.66	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	54666	59.77	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	255599	48.49	ng	-0.01
78) Terphenyl-d14	13.08	244	285289	46.47	ng	0.00

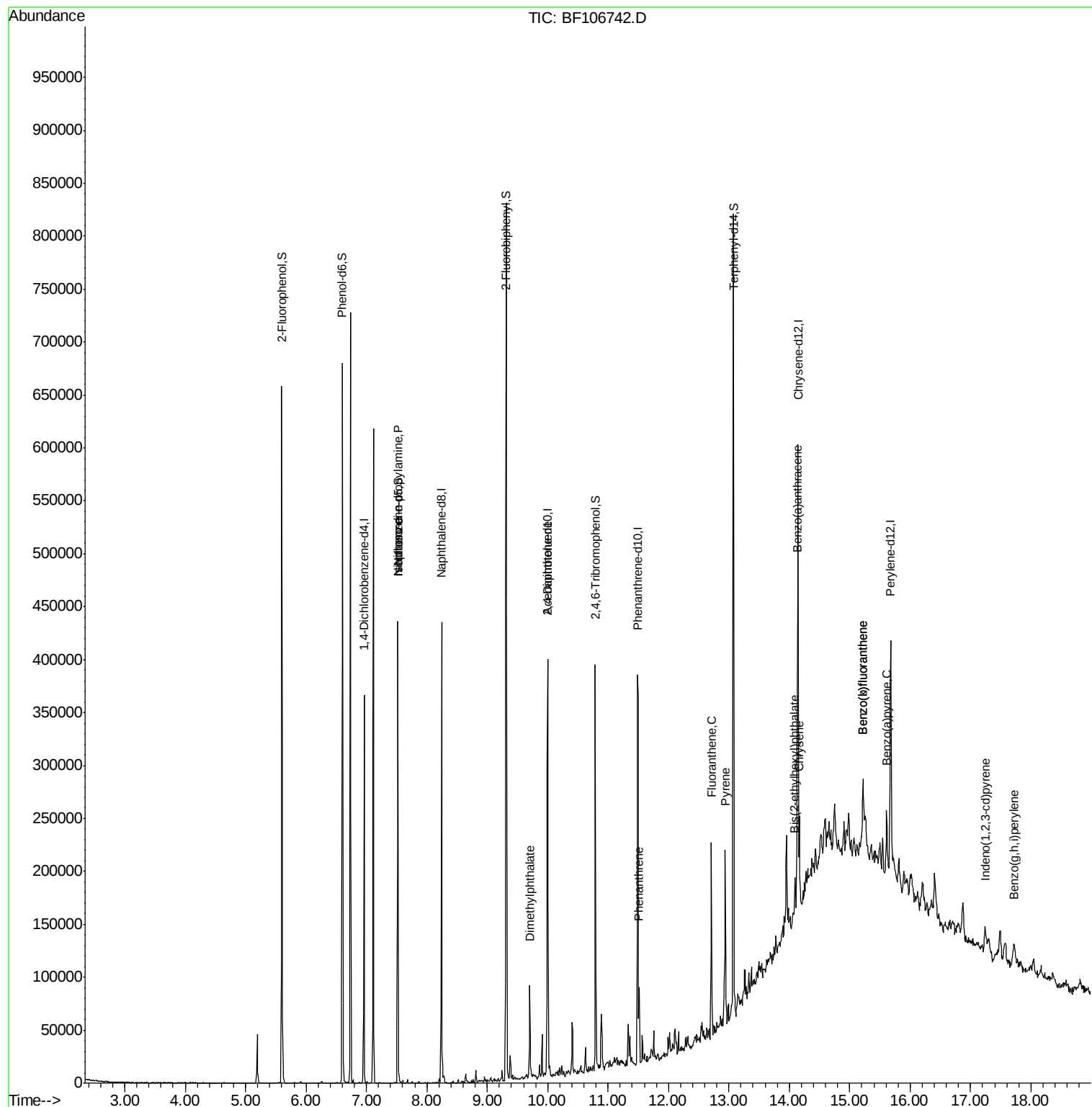
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.52	70	17187	6.822	ng	# 74
25) Isophorone	7.52	82	137073	23.076	ng	# 64
49) Dimethylphthalate	9.71	163	31333	5.294	ng	98
56) 2,4-Dinitrotoluene	10.00	165	10207	6.240	ng	# 21
70) Phenanthrene	11.51	178	31584	4.456	ng	99
74) Fluoranthene	12.71	202	71457	9.147	ng	97
77) Pyrene	12.94	202	71757	7.318	ng	99
80) Benzo(a)anthracene	14.13	228	40214	4.437	ng	96
82) Chrysene	14.17	228	36026	4.321	ng	95
83) Bis(2-ethylhexyl)phthalate	14.10	149	10831	2.101	ng	# 95
85) Indeno(1,2,3-cd)pyrene	17.24	276	17088	2.415	ng	# 84
87) Benzo(b)fluoranthene	15.22	252	49532	7.305	ng	# 85
88) Benzo(k)fluoranthene	15.22	252	49532	7.671	ng	# 88
89) Benzo(a)pyrene	15.61	252	24155	4.007	ng	93
91) Benzo(g,h,i)perylene	17.72	276	16259	3.256	ng	# 90

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

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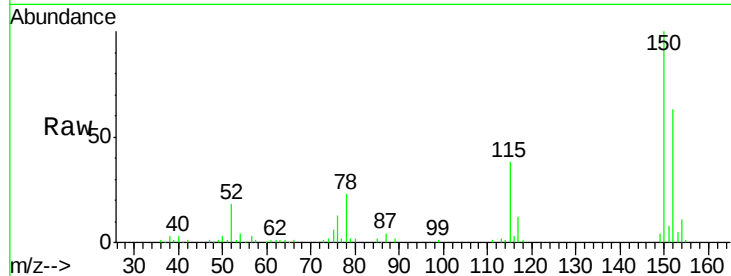




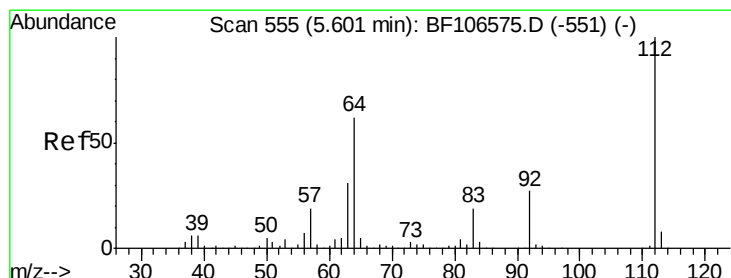
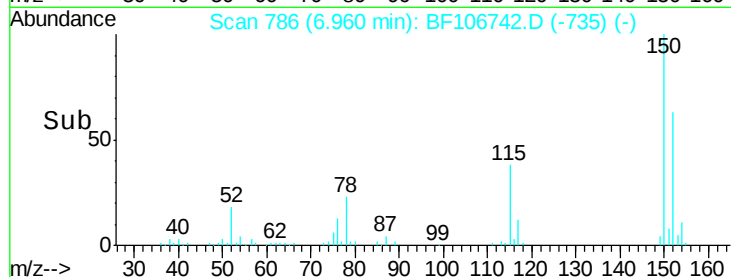
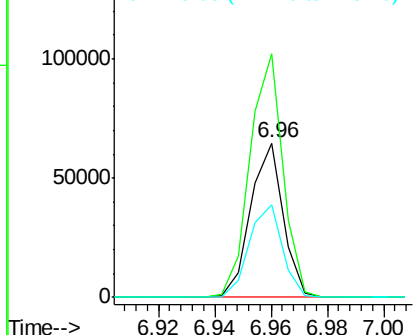
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.96 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: BF106742.D
 Acq: 23 Jun 2018 6:53

Instrument :
 BNA_F
 ClientSampleId :
 SSP-C-COMPOSITE

Tgt Ion:152 Resp: 51826
 Ion Ratio Lower Upper
 152 100
 150 157.5 124.6 186.8
 115 59.8 50.1 75.1

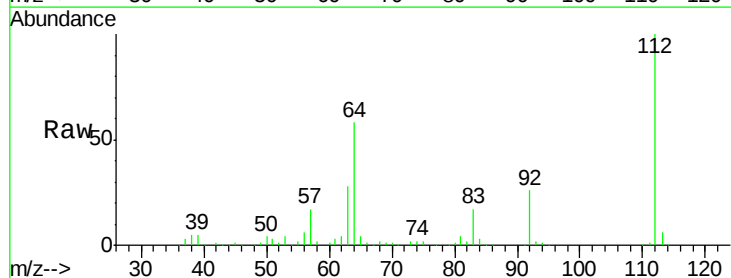


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

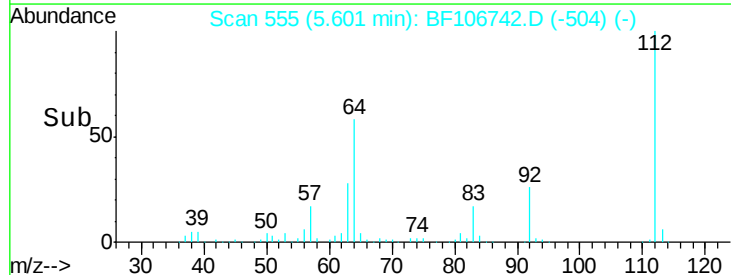
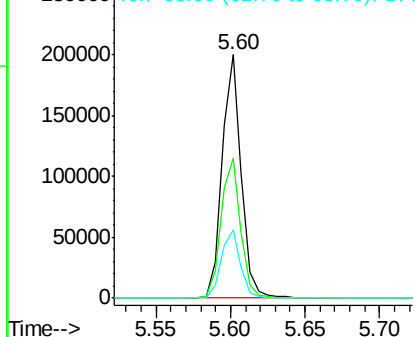


#5
 2-Fluorophenol
 Concen: 58.803 ng
 RT: 5.60 min Scan# 555
 Delta R.T. 0.00 min
 Lab File: BF106742.D
 Acq: 23 Jun 2018 6:53

Tgt Ion:112 Resp: 179975
 Ion Ratio Lower Upper
 112 100
 64 57.7 47.9 71.9
 63 27.9 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: 58.318 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF106742.D

Acq: 23 Jun 2018 6:53

Instrument :

BNA_F

ClientSampleId :

SSP-C-COMPOSITE

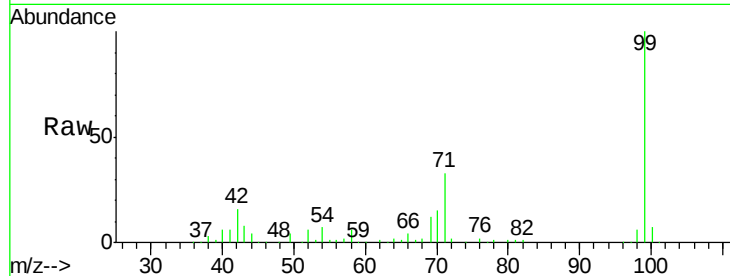
Tgt Ion: 99 Resp: 222897

Ion Ratio Lower Upper

99 100

42 15.9 14.5 21.7

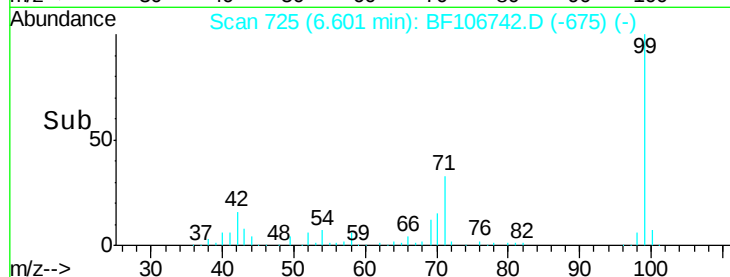
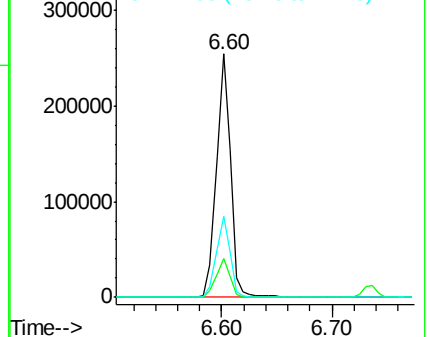
71 33.1 25.4 38.0



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: 6.822 ng

RT: 7.52 min Scan# 881

Delta R.T. 0.15 min

Lab File: BF106742.D

Acq: 23 Jun 2018 6:53

Tgt Ion: 70 Resp: 17187

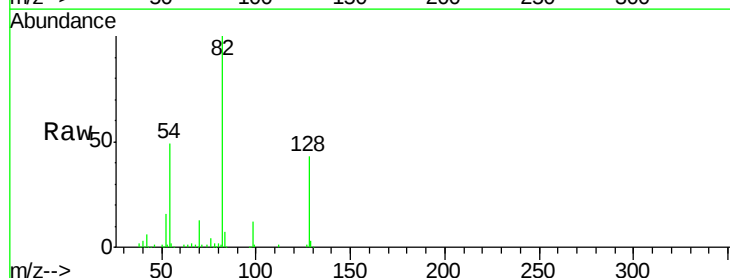
Ion Ratio Lower Upper

70 100

42 43.5 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

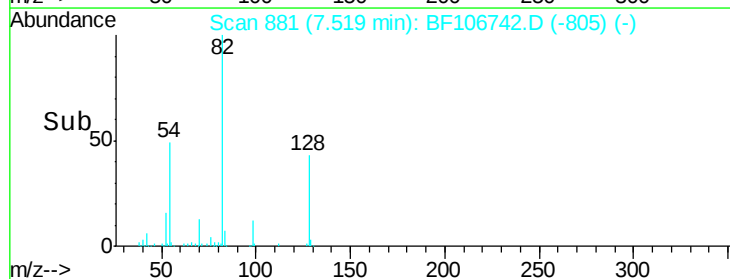
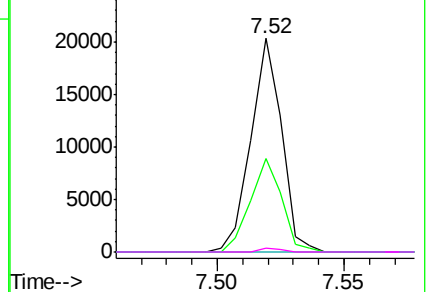


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

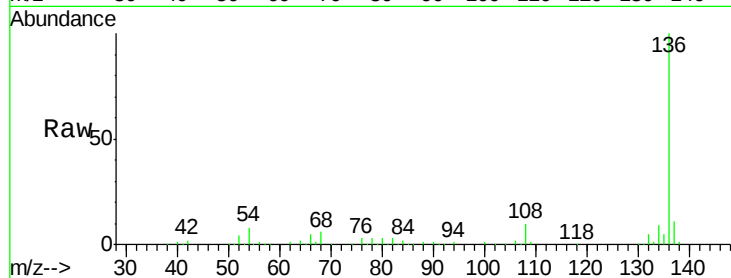




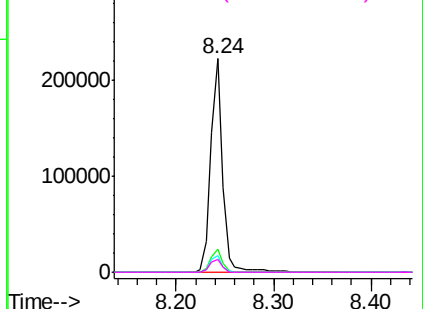
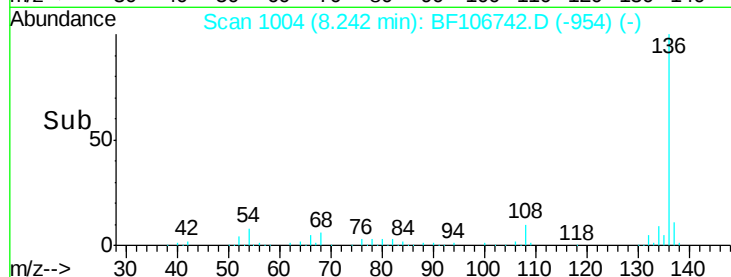
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF106742.D
Acq: 23 Jun 2018 6:53

Instrument :
BNA_F
ClientSampleId :
SSP-C-COMPOSITE

Tgt Ion:	136	Resp:	187335
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.7	6.6	9.8
68	5.9	5.0	7.4

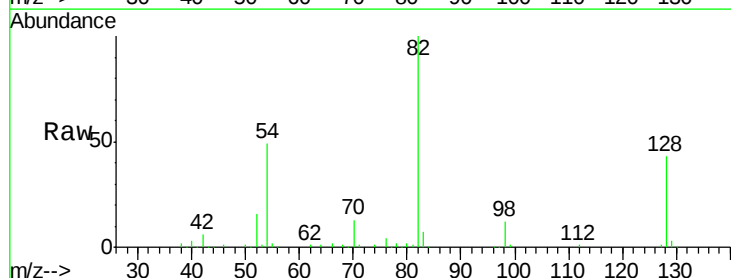


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

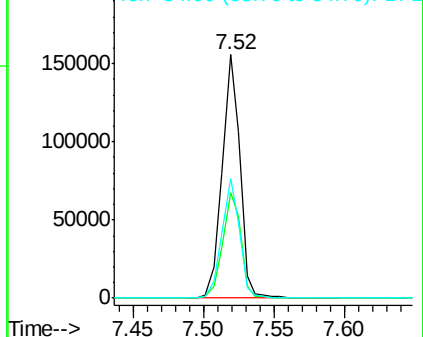
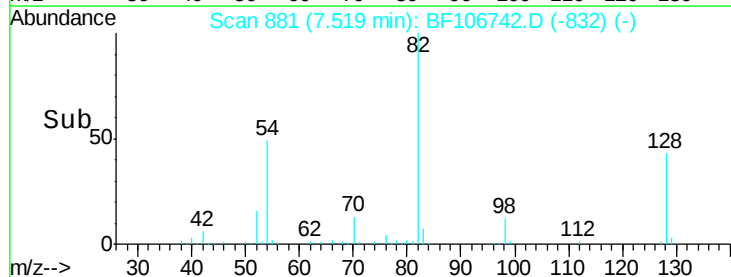


#23
Nitrobenzene-d5
Concen: 40.663 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF106742.D
Acq: 23 Jun 2018 6:53

Tgt Ion:	82	Resp:	137074
Ion	Ratio	Lower	Upper
82	100		
128	43.1	36.1	54.1
54	49.1	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: 23.076 ng

RT: 7.52 min Scan# 881

Delta R.T. -0.26 min

Lab File: BF106742.D

Acq: 23 Jun 2018 6:53

Instrument :

BNA_F

ClientSampleId :

SSP-C-COMPOSITE

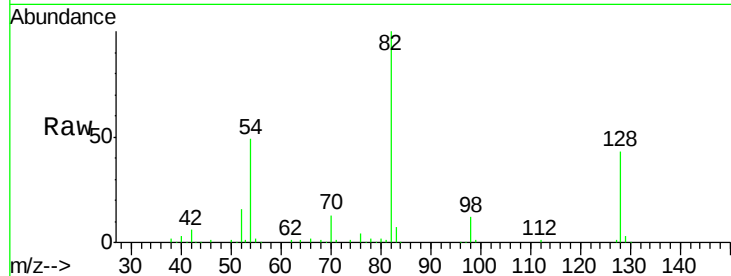
Tgt Ion: 82 Resp: 137073

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

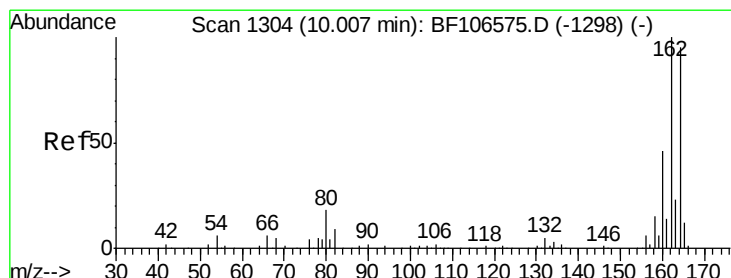
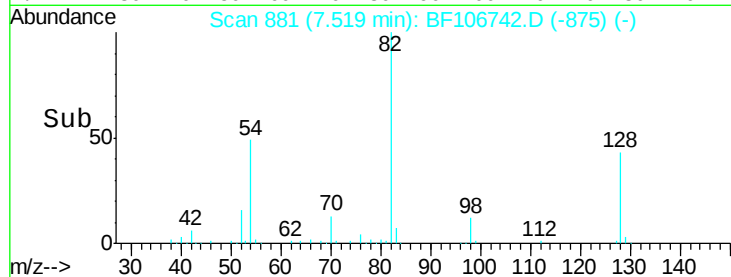
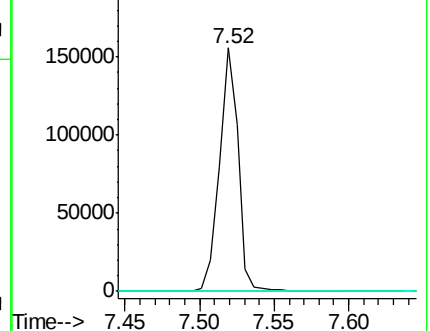
138 0.0 14.9 22.3#



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: 10.00 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF106742.D

Acq: 23 Jun 2018 6:53

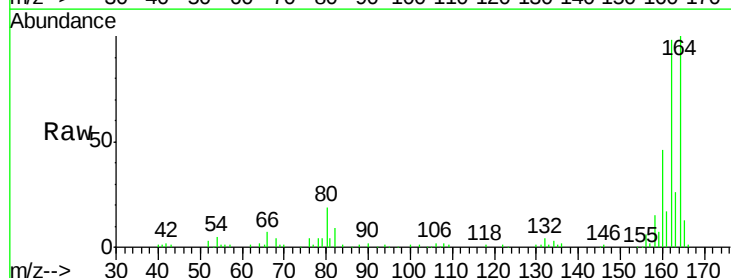
Tgt Ion: 164 Resp: 78911

Ion Ratio Lower Upper

164 100

162 98.1 86.1 129.1

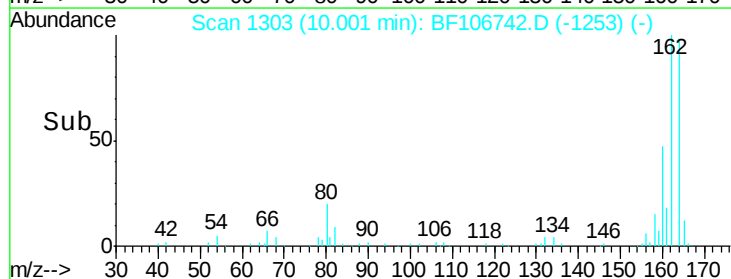
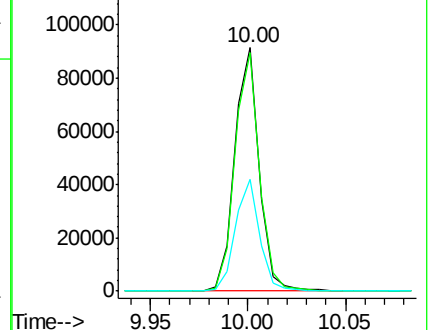
160 45.7 38.3 57.5



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

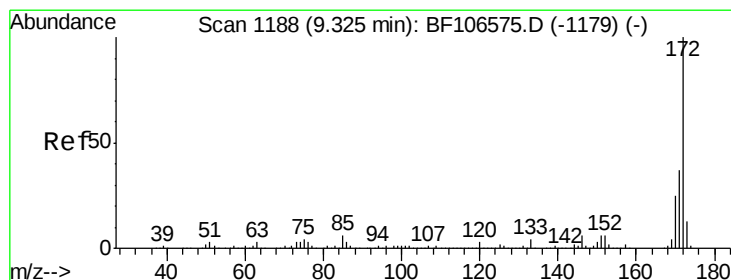
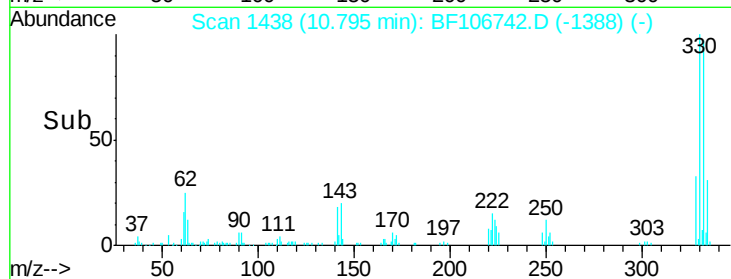
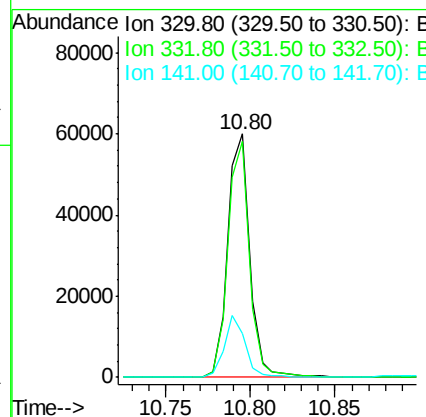
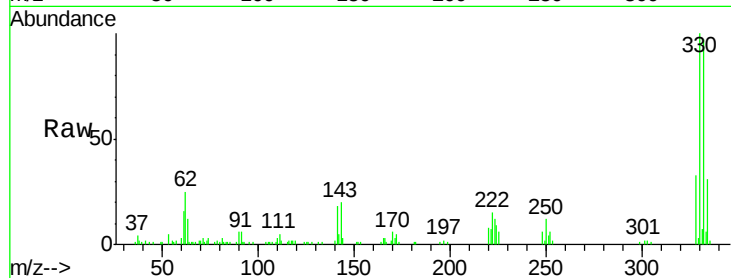




#41
 2,4,6-Tribromophenol
 Concen: 59.770 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF106742.D
 Acq: 23 Jun 2018 6:53

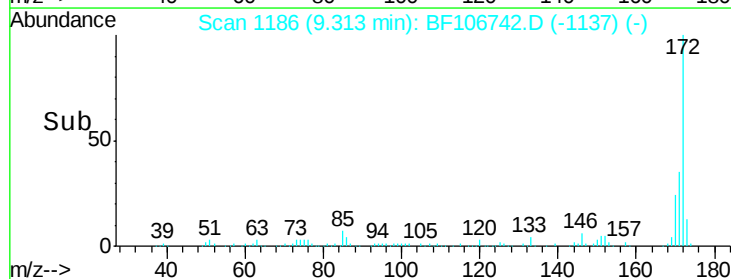
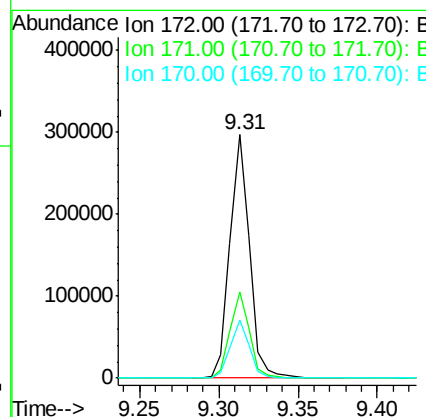
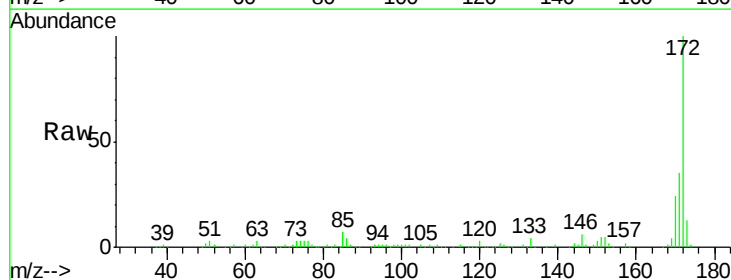
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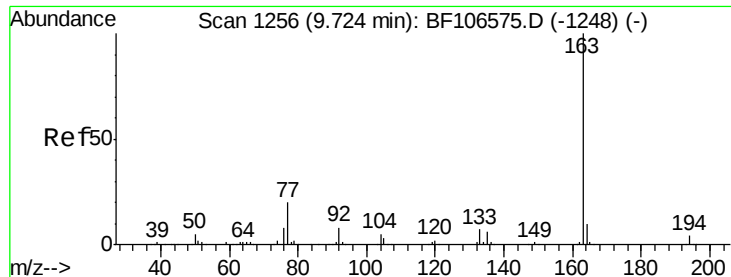
Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.0	115.6
141	24.1	29.9	44.9#



#44
 2-Fluorobiphenyl
 Concen: 48.489 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF106742.D
 Acq: 23 Jun 2018 6:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	23.7	19.6	29.4

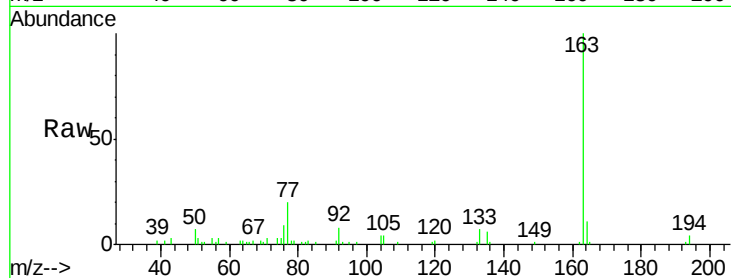




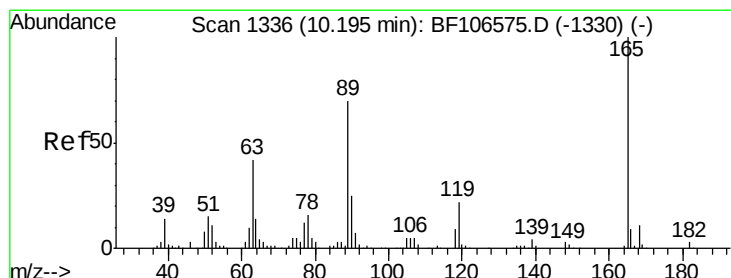
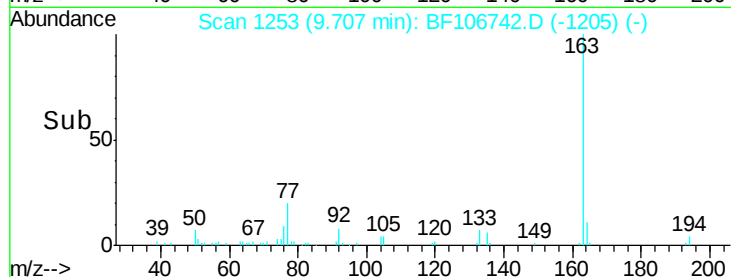
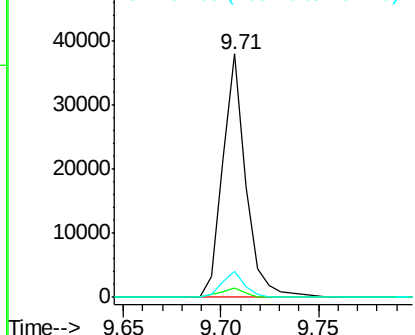
#49
Dimethylphthalate
Concen: 5.294 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF106742.D
Acq: 23 Jun 2018 6:53

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:163 Resp: 31333
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 10.9 8.2 12.2

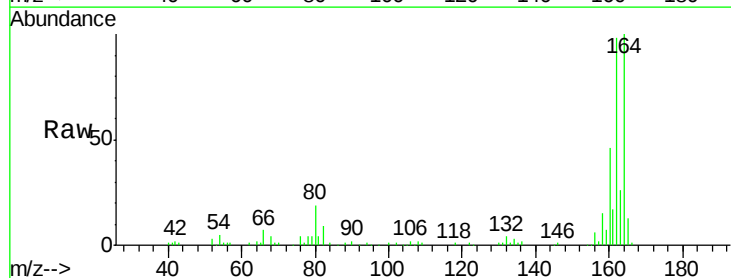


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

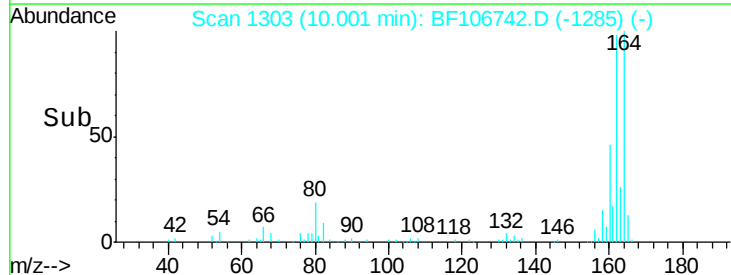
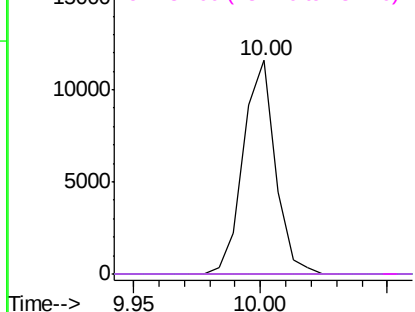


#56
2,4-Dinitrotoluene
Concen: 6.240 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.19 min
Lab File: BF106742.D
Acq: 23 Jun 2018 6:53

Tgt Ion:165 Resp: 10207
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

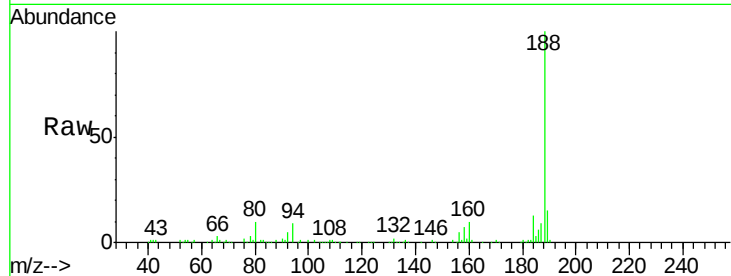




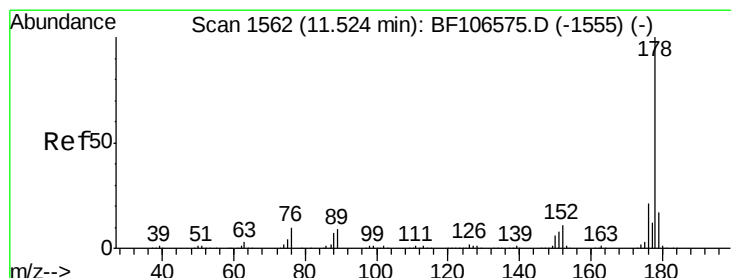
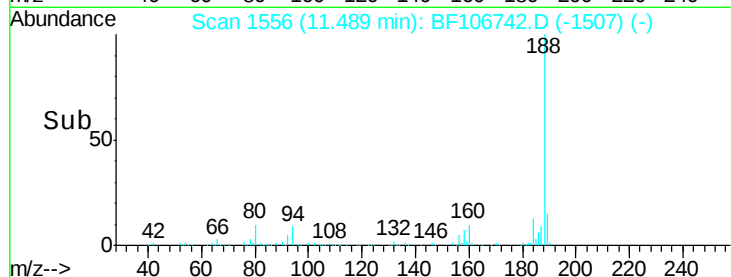
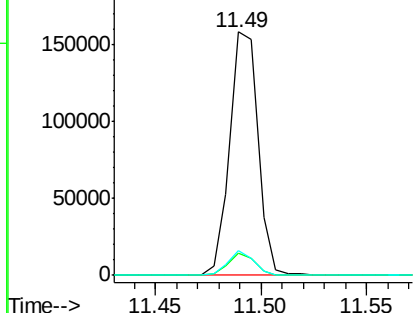
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF106742.D
Acq: 23 Jun 2018 6:53

Instrument :
BNA_F
ClientSampleId :
SSP-C-COMPOSITE

Tgt Ion:188 Resp: 146957
Ion Ratio Lower Upper
188 100
94 9.0 8.5 12.7
80 10.2 9.2 13.8

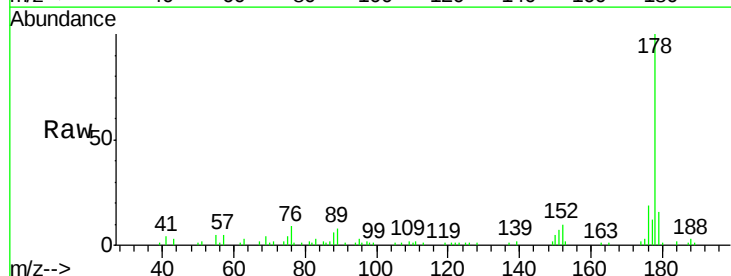


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

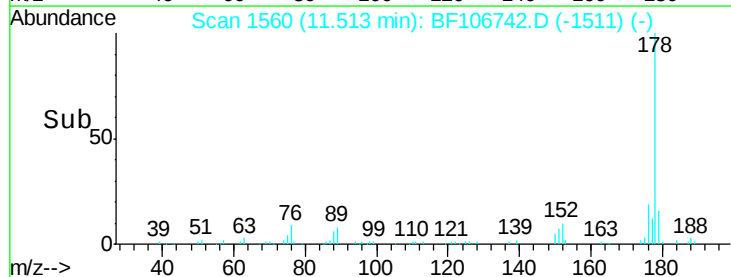
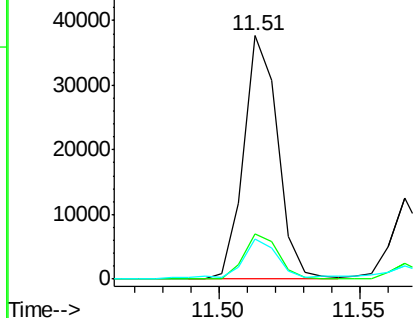


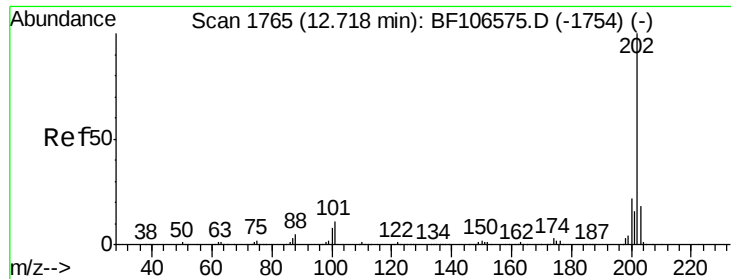
#70
Phenanthrene
Concen: 4.456 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF106742.D
Acq: 23 Jun 2018 6:53

Tgt Ion:178 Resp: 31584
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.8
179 16.3 13.0 19.6



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





#74

Fluoranthene

Concen: 9.147 ng

RT: 12.71 min Scan# 1763

Delta R.T. -0.01 min

Lab File: BF106742.D

Acq: 23 Jun 2018 6:53

Instrument :

BNA_F

ClientSampleId :

SSP-C-COMPOSITE

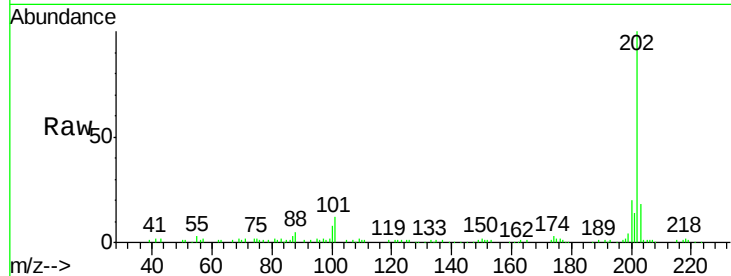
Tgt Ion: 202 Resp: 71457

Ion Ratio Lower Upper

202 100

101 11.5 0.0 34.1

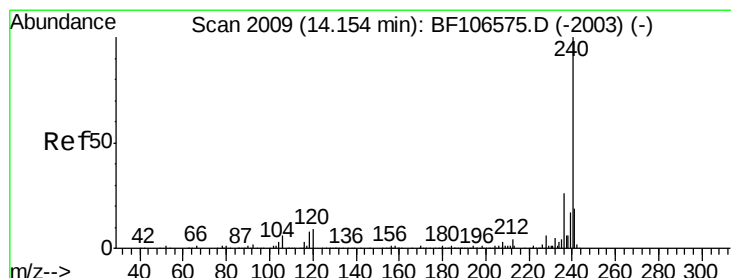
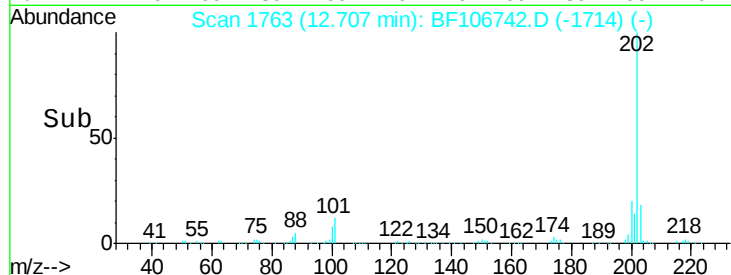
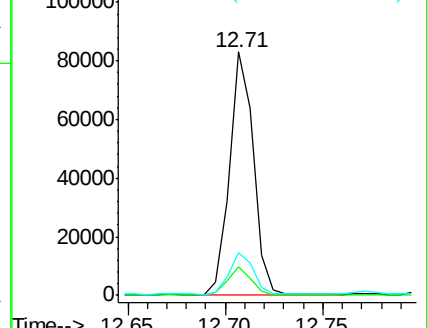
203 17.7 0.0 38.1



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. -0.01 min

Lab File: BF106742.D

Acq: 23 Jun 2018 6:53

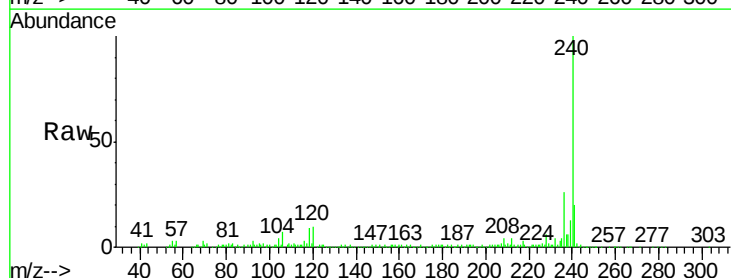
Tgt Ion: 240 Resp: 148706

Ion Ratio Lower Upper

240 100

120 9.7 9.5 14.3

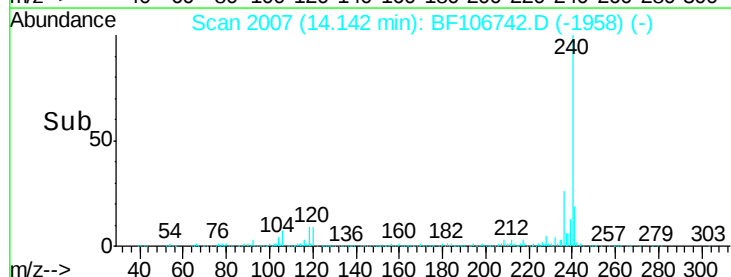
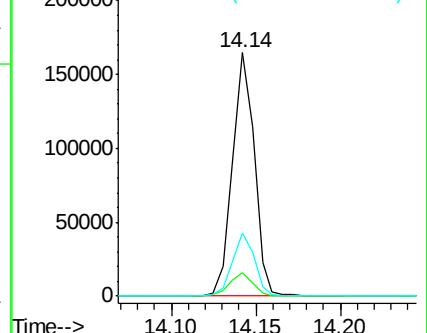
236 26.0 20.7 31.1

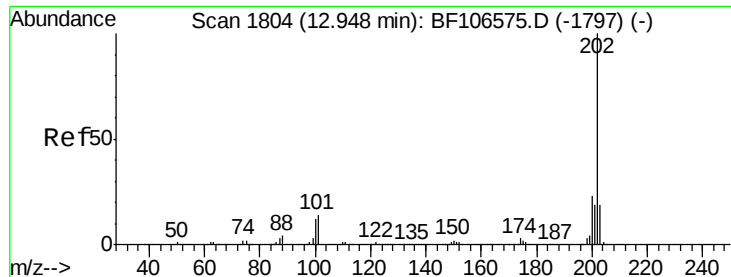


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 7.318 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF106742.D

Acq: 23 Jun 2018 6:53

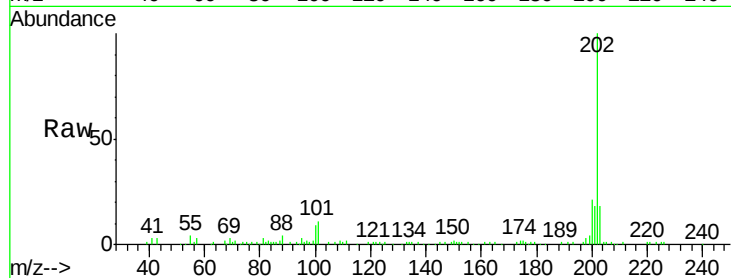
Instrument :

BNA_F

ClientSampleId :

SSP-C-COMPOSITE

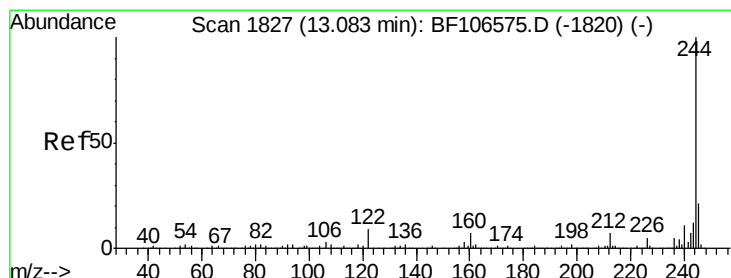
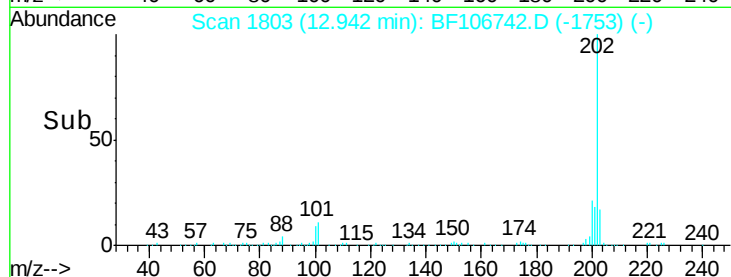
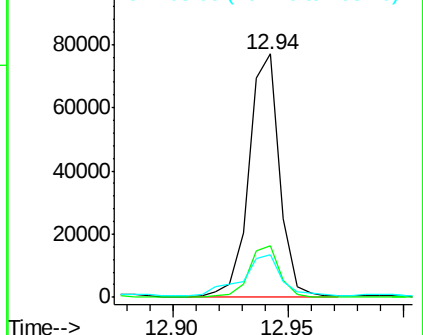
Tgt Ion:	202	Resp:	71757
Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	17.6	14.3	21.5



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: 46.471 ng

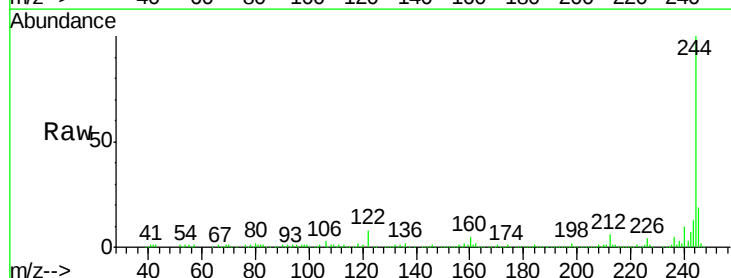
RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF106742.D

Acq: 23 Jun 2018 6:53

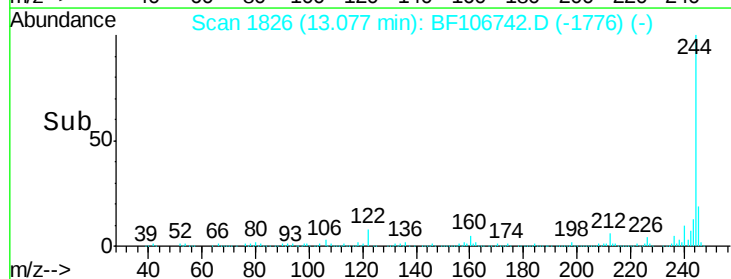
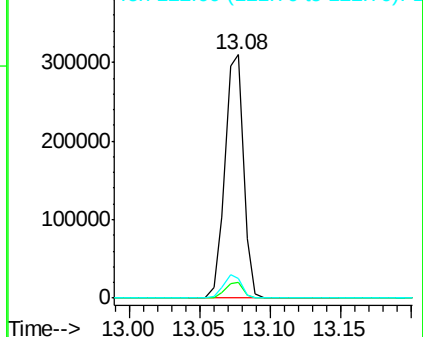
Tgt Ion:	244	Resp:	285289
Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	8.0	11.0	16.4#

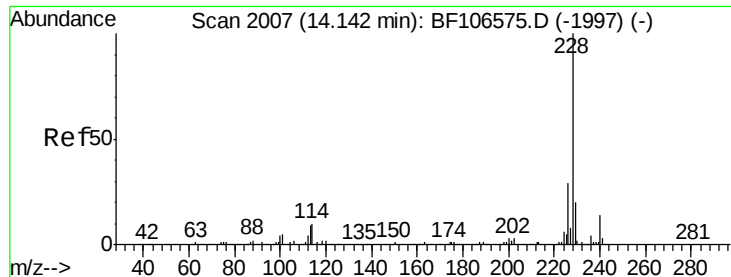


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 4.437 ng

RT: 14.13 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BF106742.D

Acq: 23 Jun 2018 6:53

Instrument :

BNA_F

ClientSampleId :

SSP-C-COMPOSITE

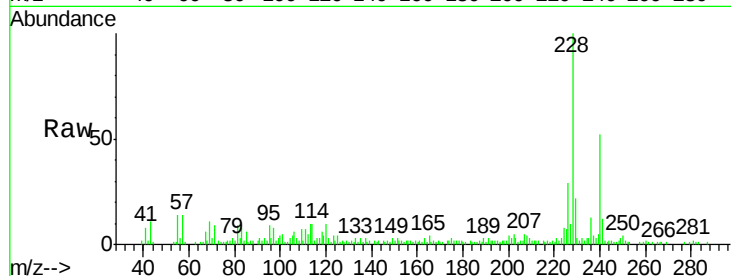
Tgt Ion:228 Resp: 40214

Ion Ratio Lower Upper

228 100

226 29.4 22.6 33.8

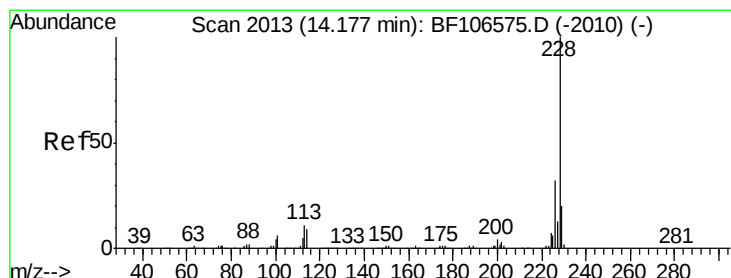
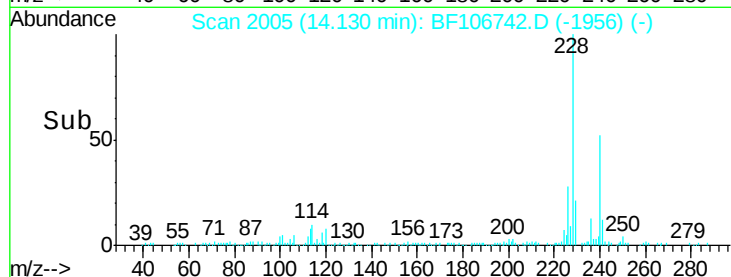
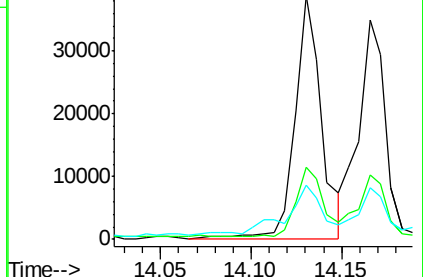
229 22.4 15.8 23.6



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: 4.321 ng

RT: 14.17 min Scan# 2011

Delta R.T. -0.02 min

Lab File: BF106742.D

Acq: 23 Jun 2018 6:53

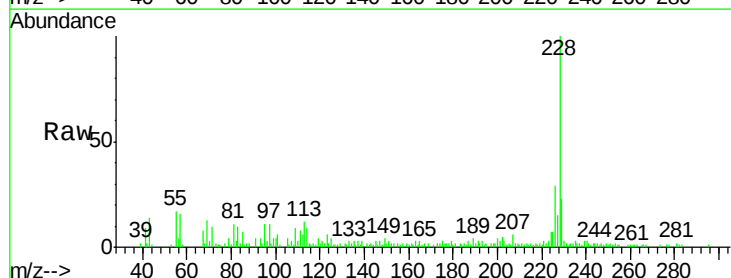
Tgt Ion:228 Resp: 36026

Ion Ratio Lower Upper

228 100

226 29.3 25.0 37.6

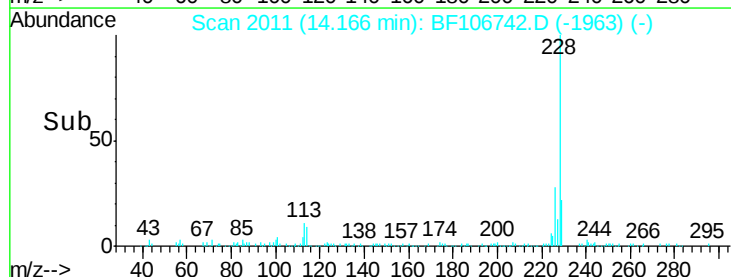
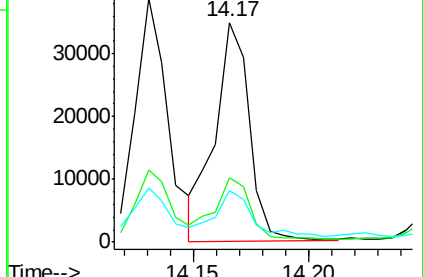
229 23.3 16.2 24.4

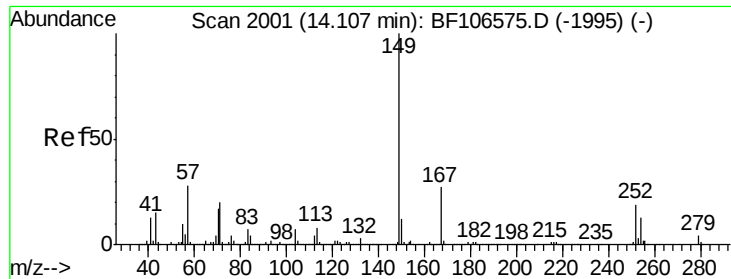


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

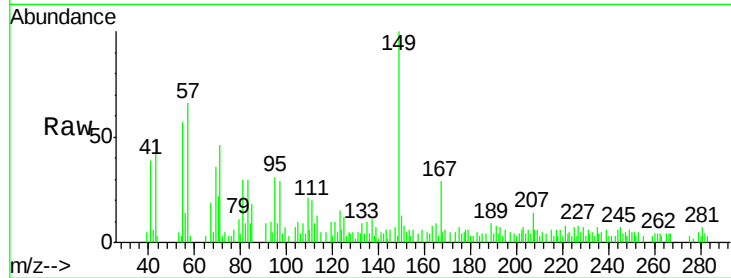




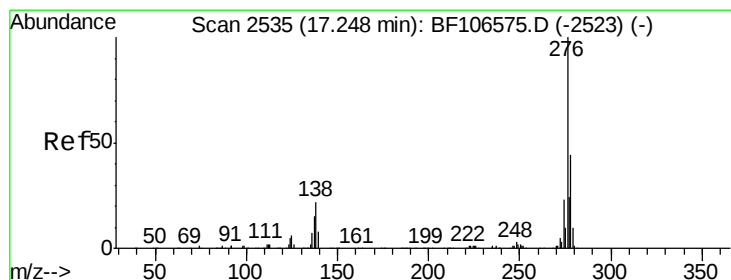
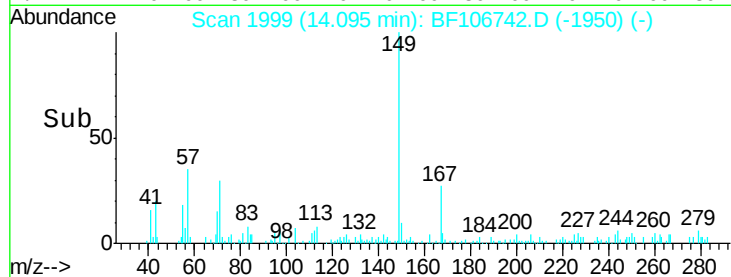
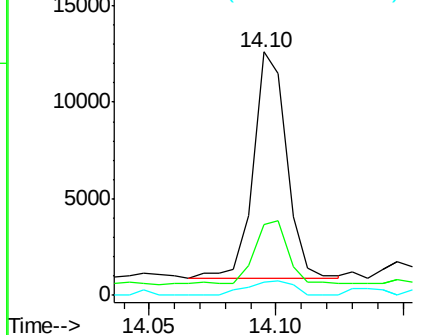
#83
Bis(2-ethylhexyl)phthalate
Concen: 2.101 ng
RT: 14.10 min Scan# 1999
Delta R.T. -0.01 min
Lab File: BF106742.D
Acq: 23 Jun 2018 6:53

Instrument :
BNA_F
ClientSampleId :
SSP-C-COMPOSITE

Tgt Ion:149 Resp: 10831
Ion Ratio Lower Upper
149 100
167 29.2 21.3 31.9
279 5.4 3.0 4.4#

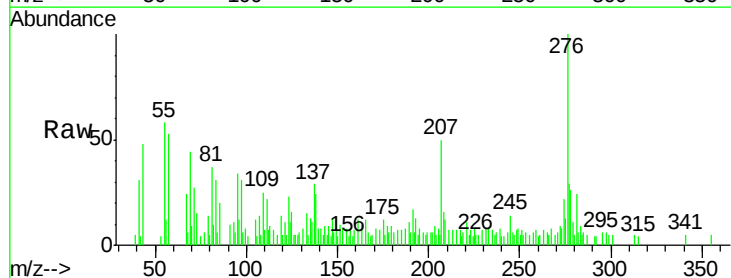


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

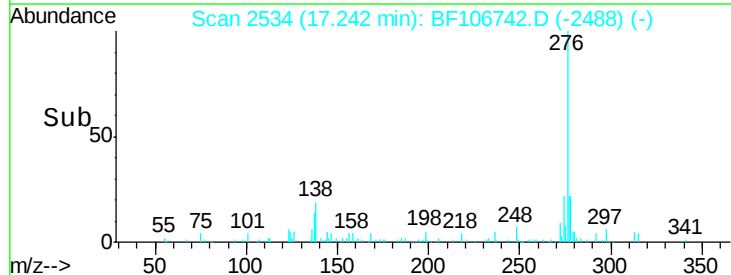
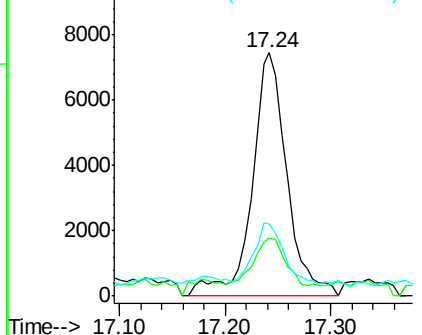


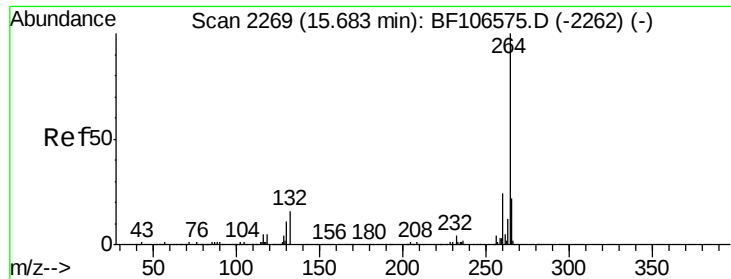
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.415 ng
RT: 17.24 min Scan# 2534
Delta R.T. -0.03 min
Lab File: BF106742.D
Acq: 23 Jun 2018 6:53

Tgt Ion:276 Resp: 17088
Ion Ratio Lower Upper
276 100
138 17.2 25.0 37.6#
277 22.8 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

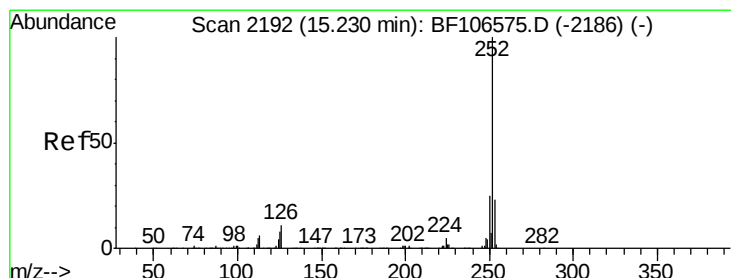
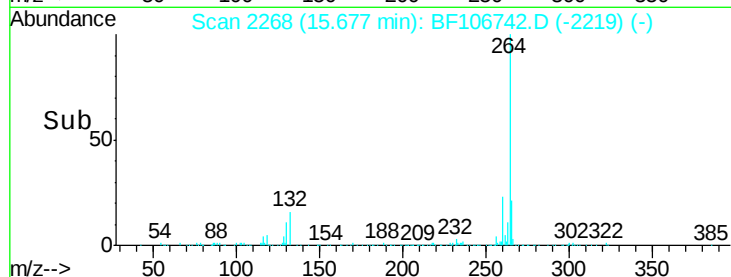
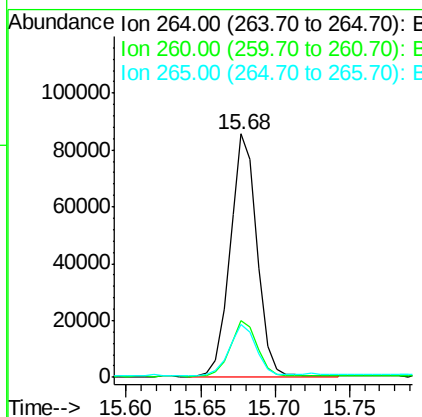
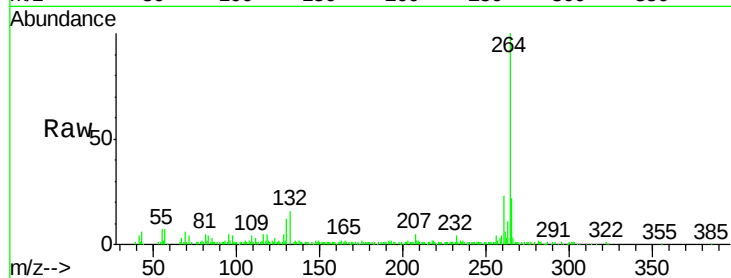




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF106742.D
Acq: 23 Jun 2018 6:53

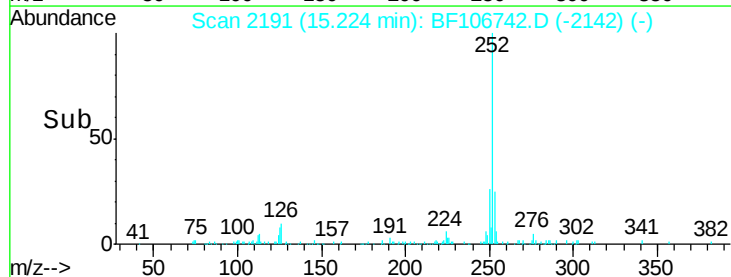
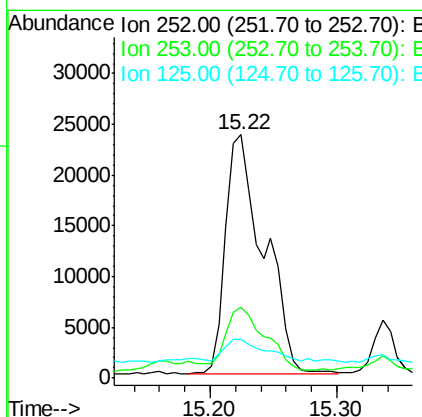
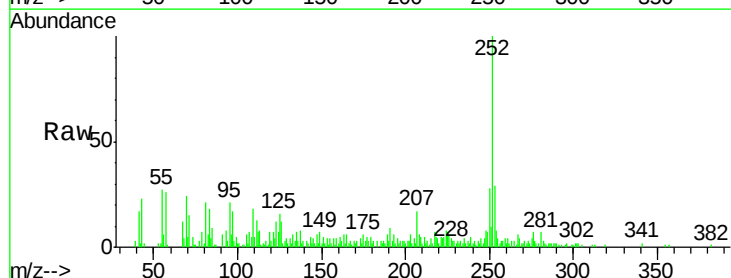
Instrument :
BNA_F
ClientSampleId :
SSP-C-COMPOSITE

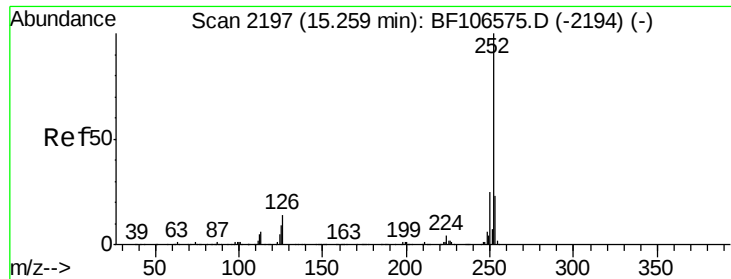
Tgt Ion:264 Resp: 109159
Ion Ratio Lower Upper
264 100
260 23.4 19.2 28.8
265 21.9 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 7.305 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF106742.D
Acq: 23 Jun 2018 6:53

Tgt Ion:252 Resp: 49532
Ion Ratio Lower Upper
252 100
253 29.3 17.0 25.6#
125 16.0 9.0 13.6#





#88

Benzo(k)fluoranthene

Concen: 7.671 ng

RT: 15.22 min Scan# 2191

Delta R.T. -0.04 min

Lab File: BF106742.D

Acq: 23 Jun 2018 6:53

Instrument :

BNA_F

ClientSampleId :

SSP-C-COMPOSITE

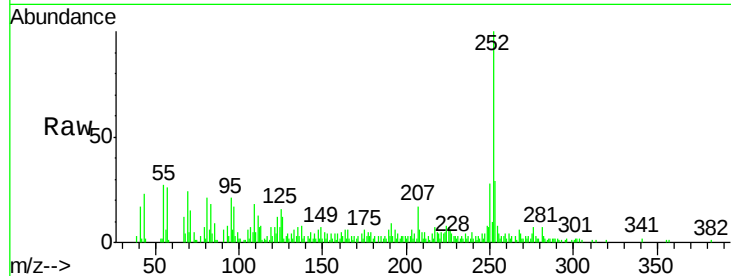
Tgt Ion:252 Resp: 49532

Ion Ratio Lower Upper

252 100

253 29.3 17.9 26.9#

125 16.0 10.2 15.2#

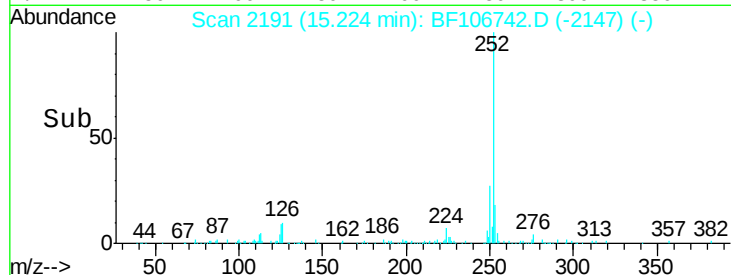


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



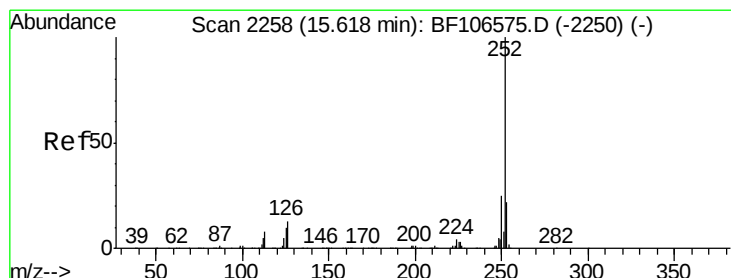
Abundance

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

Time-->



#89

Benzo(a)pyrene

Concen: 4.007 ng

RT: 15.61 min Scan# 2257

Delta R.T. -0.02 min

Lab File: BF106742.D

Acq: 23 Jun 2018 6:53

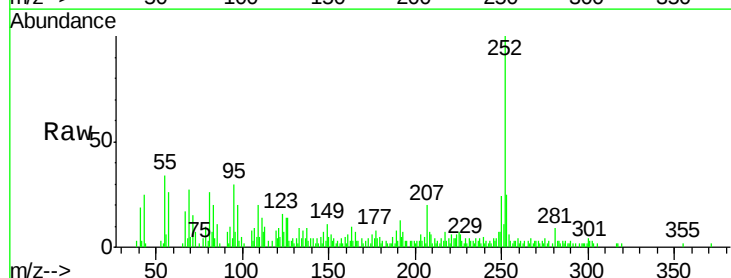
Tgt Ion:252 Resp: 24155

Ion Ratio Lower Upper

252 100

253 25.0 17.1 25.7

125 14.4 9.8 14.6

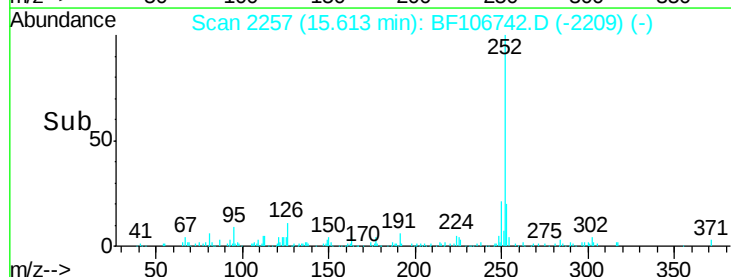


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



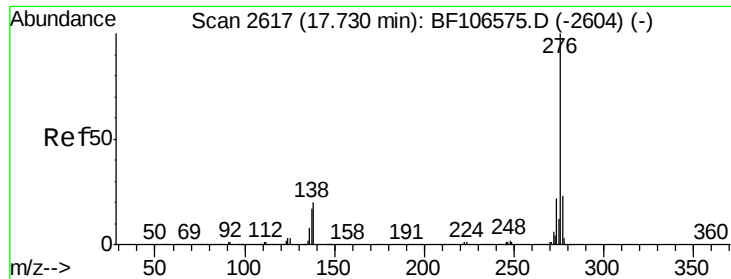
Abundance

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

Time-->



#91

Benzo(g,h,i)perylene

Concen: 3.256 ng

RT: 17.72 min Scan# 2615

Delta R.T. -0.03 min

Lab File: BF106742.D

Acq: 23 Jun 2018 6:53

Instrument :

BNA_F

ClientSampleId :

SSP-C-COMPOSITE

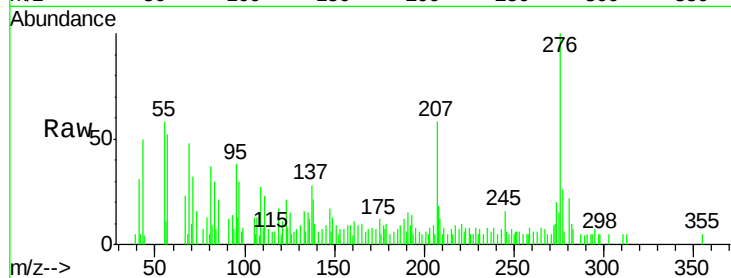
Tgt Ion: 276 Resp: 16259

Ion Ratio Lower Upper

276 100

277 26.3 17.9 26.9

138 20.8 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

