

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF062218\
 Data File : BF106743.D
 Acq On : 23 Jun 2018 7:20
 Operator : JU/SJ
 Sample : J3581-04 2X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSP-B-COMPOSITE

Quant Time: Jun 25 01:17:43 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

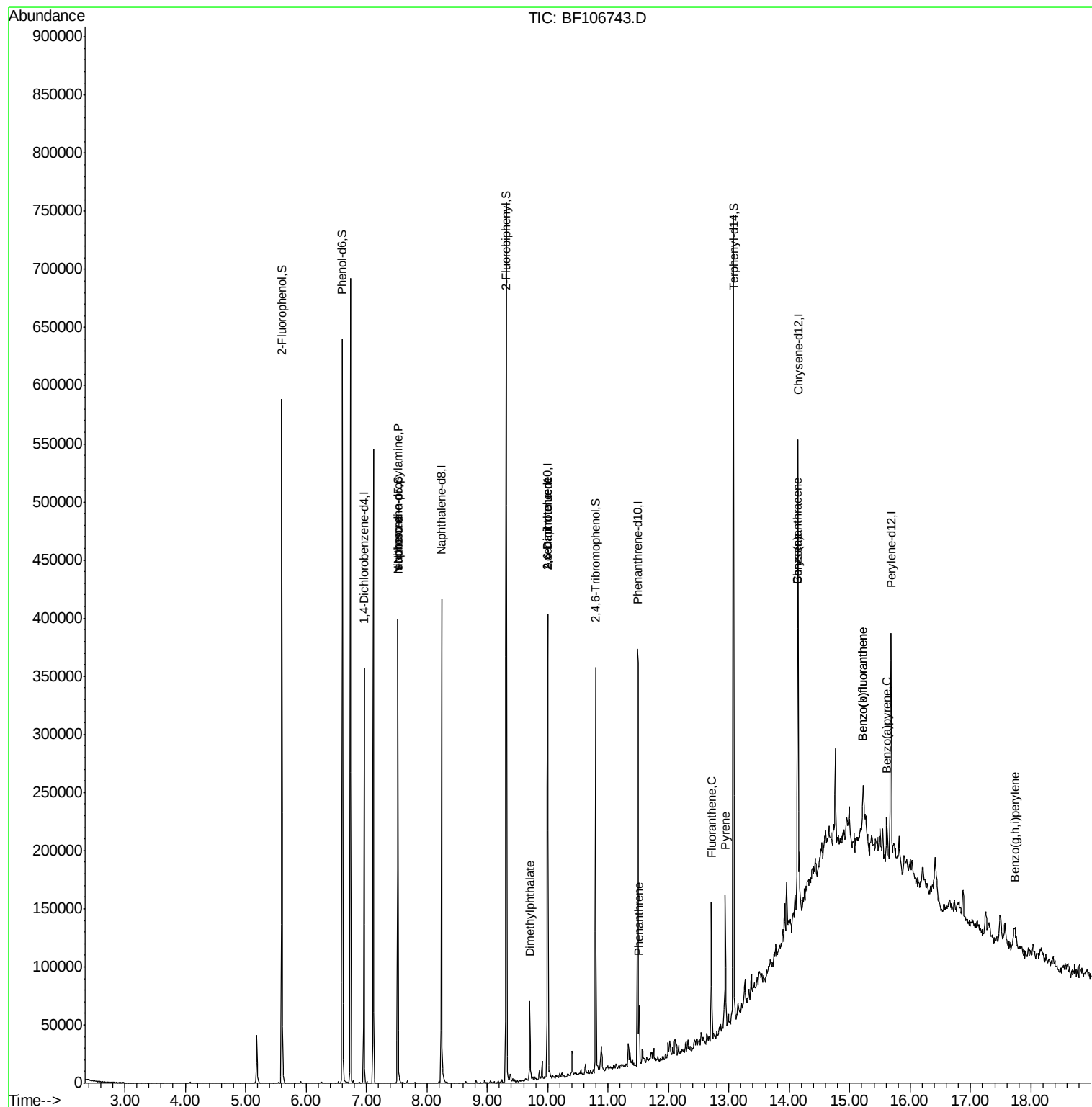
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	49681	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	179241	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	78871	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	144216	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	137973	20.00	ng	-0.01
86) Perylene-d12	15.68	264	96661	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	168699	57.50	ng	0.00
7) Phenol-d6	6.60	99	204844	55.91	ng	0.00
23) Nitrobenzene-d5	7.52	82	124998	38.76	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	51416	56.25	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	236554	43.58	ng	-0.01
78) Terphenyl-d14	13.08	244	264398	46.42	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.52	70	16008	6.628	ng	# 74
25) Isophorone	7.52	82	124995	21.993	ng	# 64
49) Dimethylphthalate	9.71	163	26087	4.410	ng	99
50) 2,6-Dinitrotoluene	10.00	165	10246	8.180	ng	# 24
56) 2,4-Dinitrotoluene	10.00	165	10246	6.267	ng	# 21
70) Phenanthrene	11.52	178	19698	2.832	ng	99
74) Fluoranthene	12.71	202	46309	6.040	ng	97
77) Pyrene	12.94	202	47414	5.211	ng	97
80) Benzo(a)anthracene	14.13	228	25417	3.023	ng	# 94
82) Chrysene	14.13	228	25417	3.285	ng	96
87) Benzo(b)fluoranthene	15.22	252	33455	5.572	ng	# 80
88) Benzo(k)fluoranthene	15.22	252	33455	5.851	ng	# 84
89) Benzo(a)pyrene	15.61	252	16472	3.086	ng	# 85
91) Benzo(g,h,i)perylene	17.73	276	12988	2.937	ng	# 92

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

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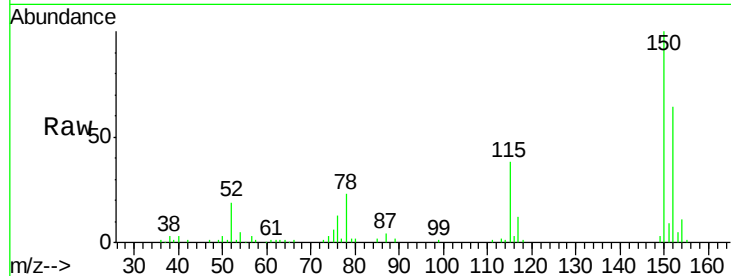


#1

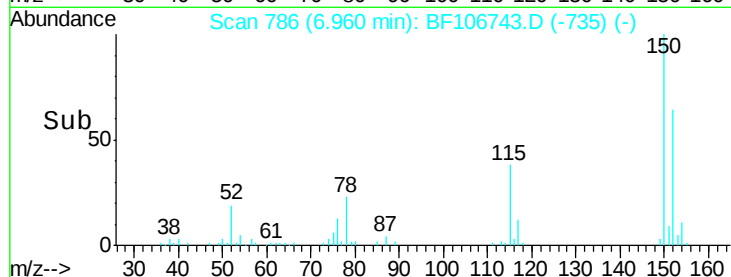
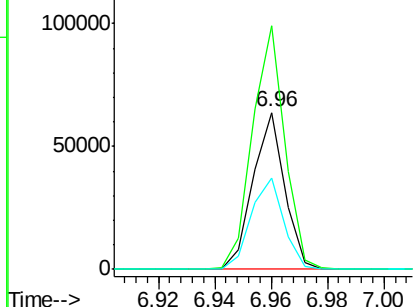
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF106743.D
Acq: 23 Jun 2018 7:20

Instrument :
BNA_F
ClientSampleId :
SSP-B-COMPOSITE

Tgt Ion:152 Resp: 49681
Ion Ratio Lower Upper
152 100
150 155.2 124.6 186.8
115 58.4 50.1 75.1



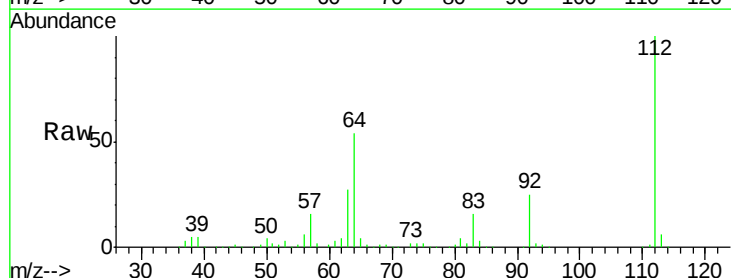
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



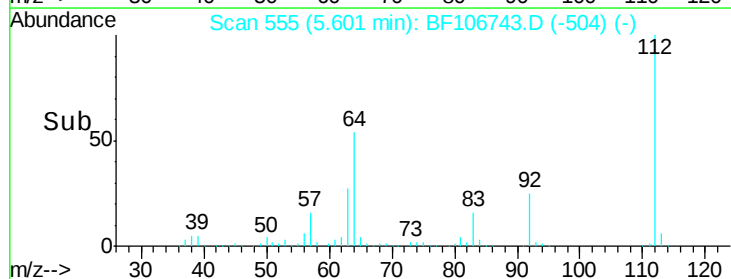
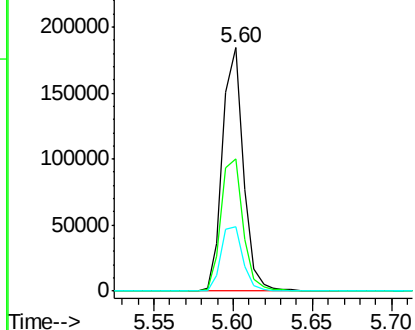
#5

2-Fluorophenol
Concen: 57.499 ng
RT: 5.60 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF106743.D
Acq: 23 Jun 2018 7:20

Tgt Ion:112 Resp: 168699
Ion Ratio Lower Upper
112 100
64 54.2 47.9 71.9
63 26.7 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: 55.908 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF106743.D

Acq: 23 Jun 2018 7:20

Instrument :

BNA_F

ClientSampleId :

SSP-B-COMPOSITE

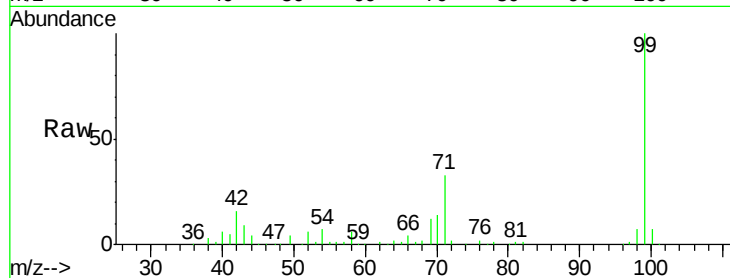
Tgt Ion: 99 Resp: 204844

Ion Ratio Lower Upper

99 100

42 16.1 14.5 21.7

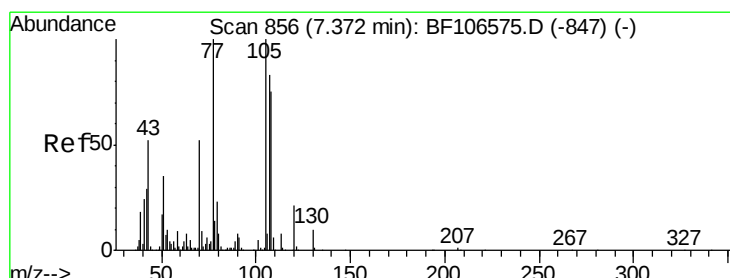
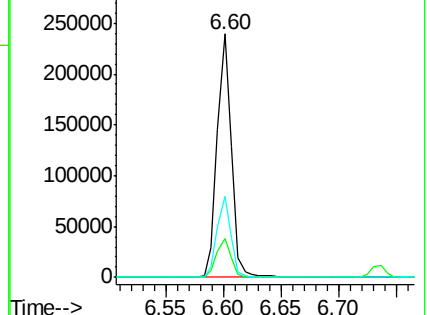
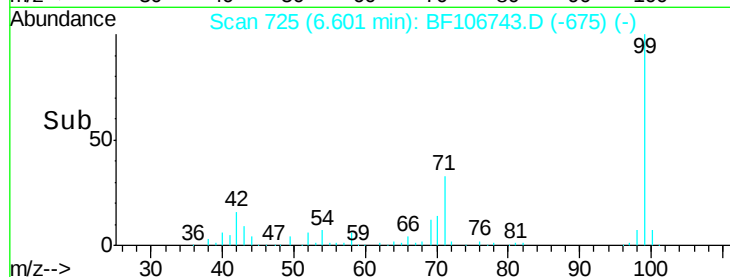
71 33.2 25.4 38.0



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: 6.628 ng

RT: 7.52 min Scan# 881

Delta R.T. 0.15 min

Lab File: BF106743.D

Acq: 23 Jun 2018 7:20

Tgt Ion: 70 Resp: 16008

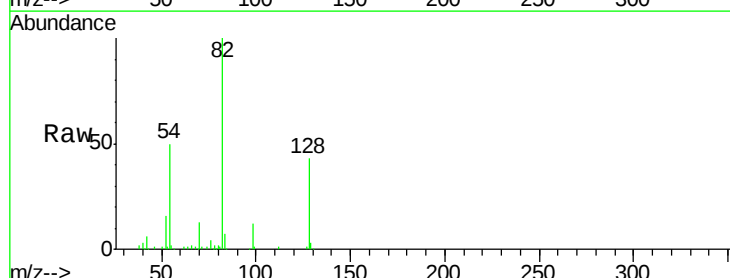
Ion Ratio Lower Upper

70 100

42 43.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

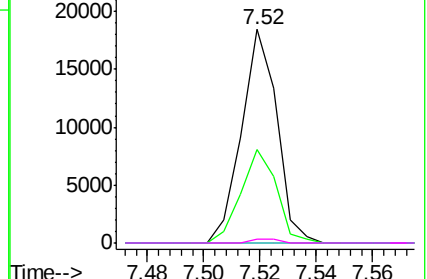
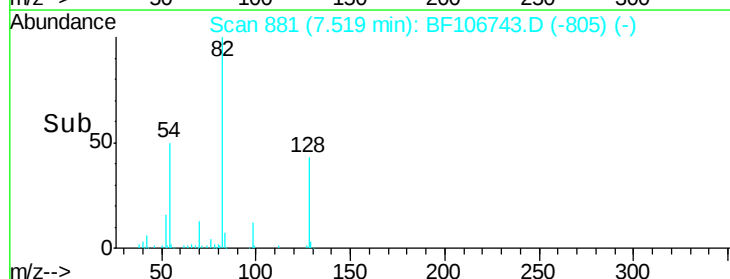


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

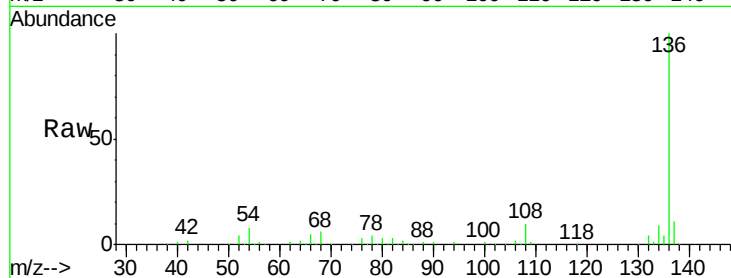




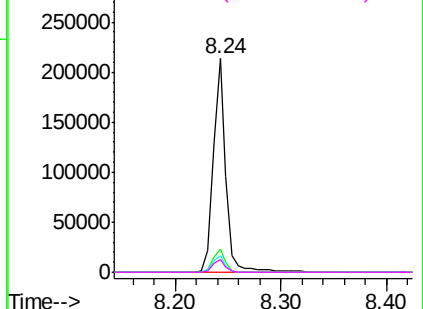
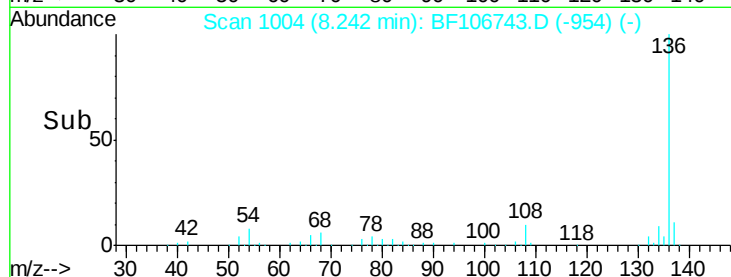
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF106743.D
Acq: 23 Jun 2018 7:20

Instrument :
BNA_F
ClientSampleId :
SSP-B-COMPOSITE

Tgt Ion:	136	Resp:	179241
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	7.8	6.6	9.8
68	5.9	5.0	7.4

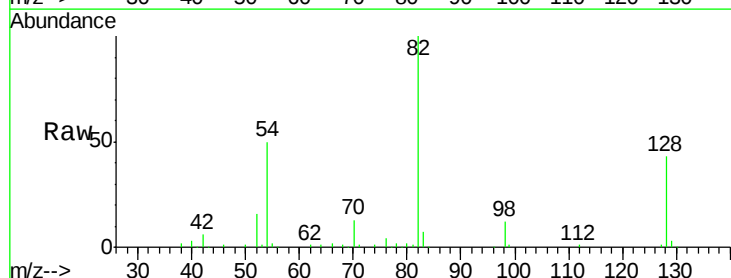


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

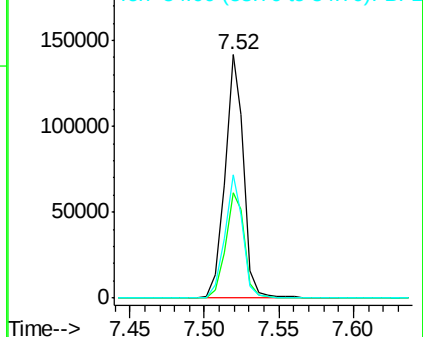
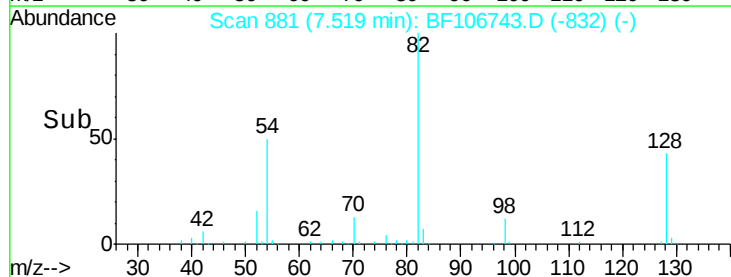


#23
Nitrobenzene-d5
Concen: 38.756 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF106743.D
Acq: 23 Jun 2018 7:20

Tgt Ion:	82	Resp:	124998
Ion	Ratio	Lower	Upper
82	100		
128	43.4	36.1	54.1
54	50.4	41.4	62.2



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





#25

Isophorone

Concen: 21.993 ng

RT: 7.52 min Scan# 881

Delta R.T. -0.26 min

Lab File: BF106743.D

Acq: 23 Jun 2018 7:20

Instrument :

BNA_F

ClientSampleId :

SSP-B-COMPOSITE

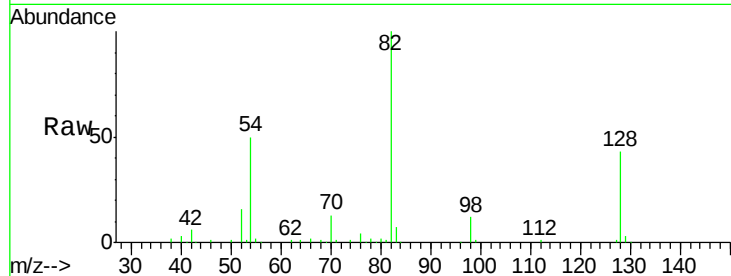
Tgt Ion: 82 Resp: 124995

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

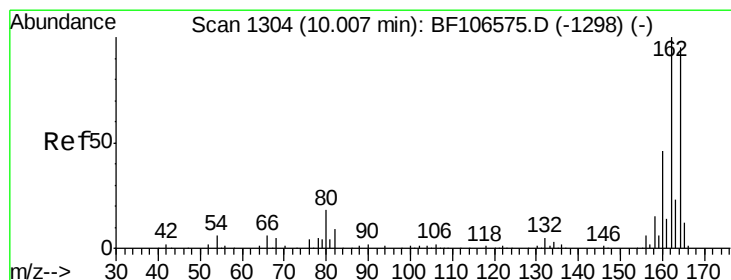
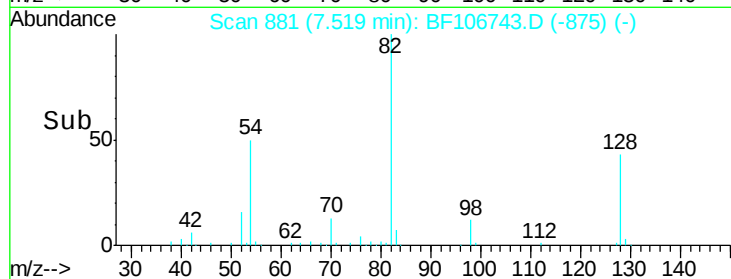
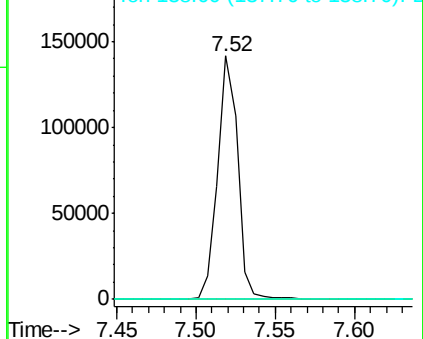
138 0.0 14.9 22.3#



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: BF106743.D

Acq: 23 Jun 2018 7:20

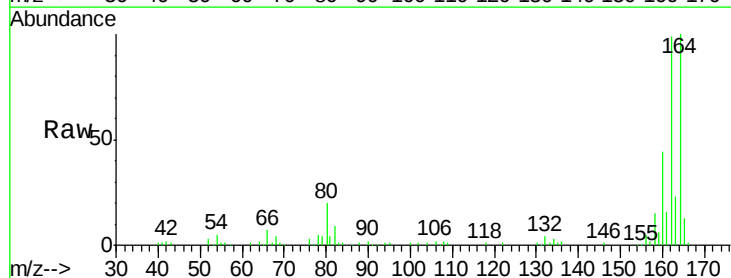
Tgt Ion: 164 Resp: 78871

Ion Ratio Lower Upper

164 100

162 99.4 86.1 129.1

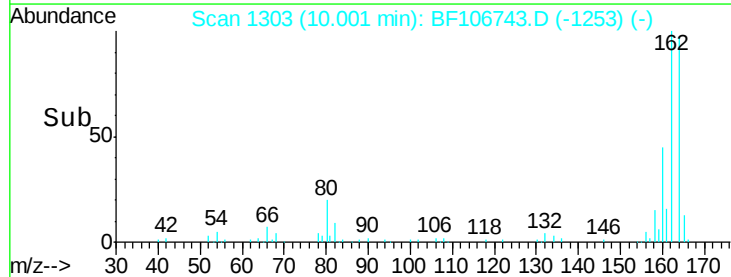
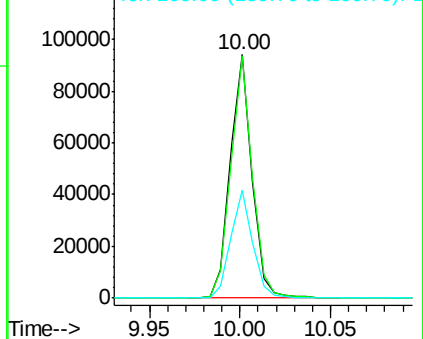
160 44.2 38.3 57.5



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: 56.245 ng

RT: 10.80 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF106743.D

Acq: 23 Jun 2018 7:20

Instrument :

BNA_F

ClientSampleId :

SSP-B-COMPOSITE

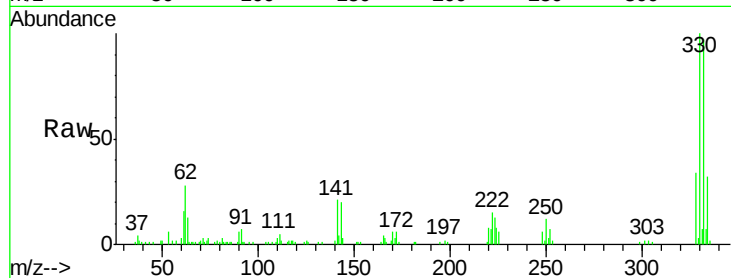
Tgt Ion:330 Resp: 51416

Ion Ratio Lower Upper

330 100

332 97.6 77.0 115.6

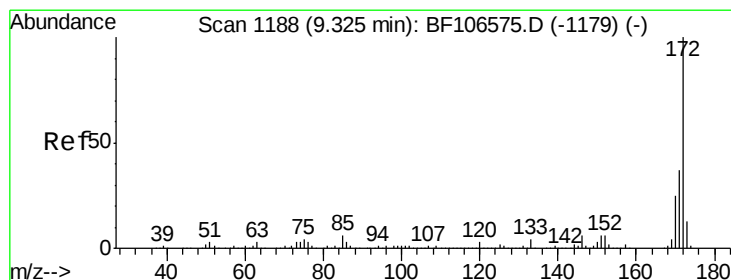
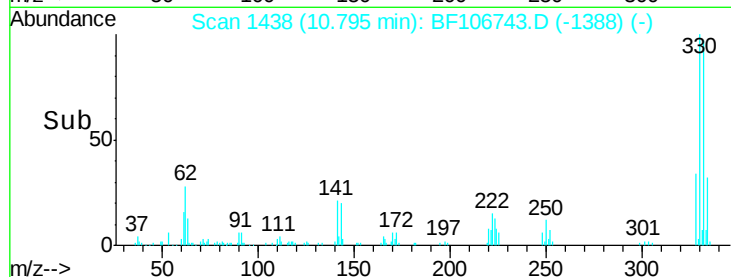
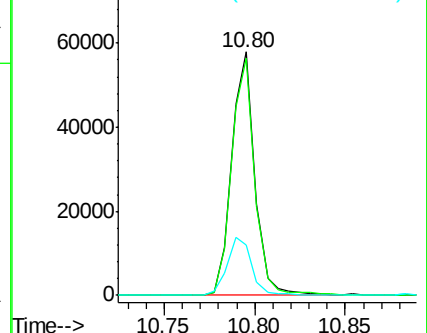
141 25.2 29.9 44.9#



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: 43.578 ng

RT: 9.31 min Scan# 1186

Delta R.T. -0.01 min

Lab File: BF106743.D

Acq: 23 Jun 2018 7:20

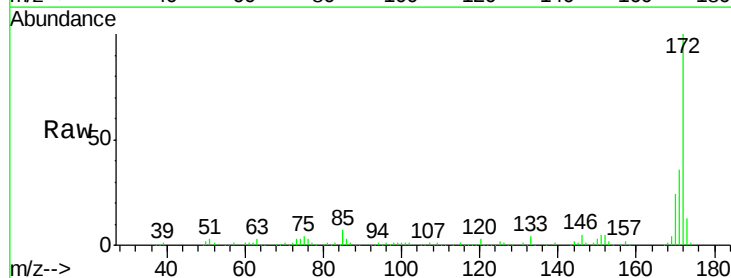
Tgt Ion:172 Resp: 236554

Ion Ratio Lower Upper

172 100

171 35.9 29.7 44.5

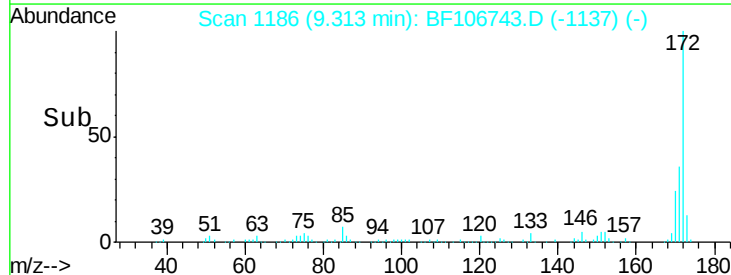
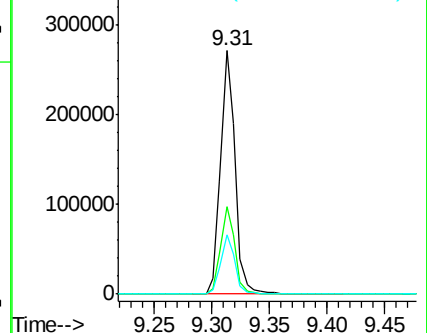
170 24.2 19.6 29.4

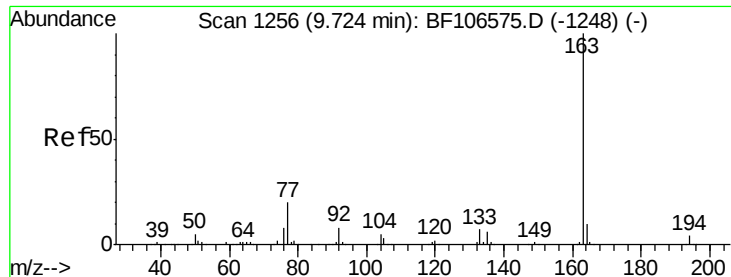


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

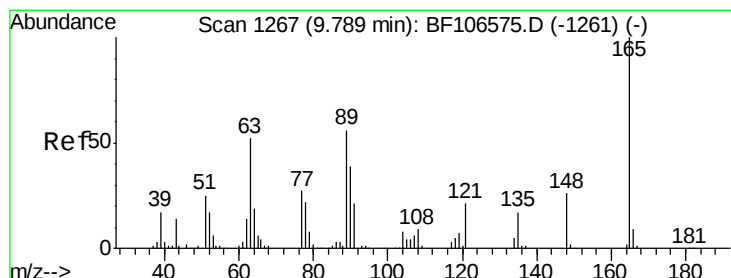
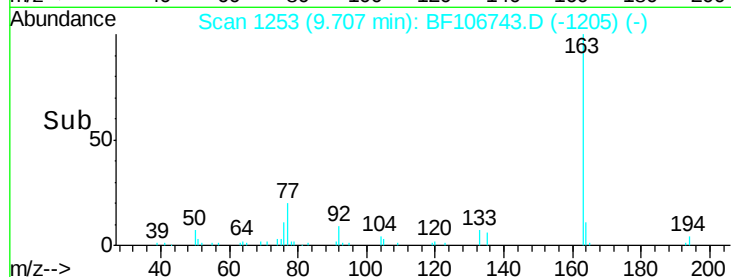
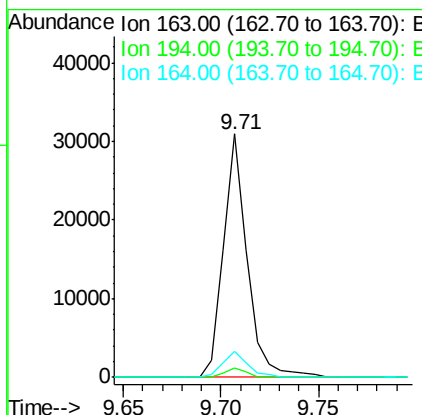
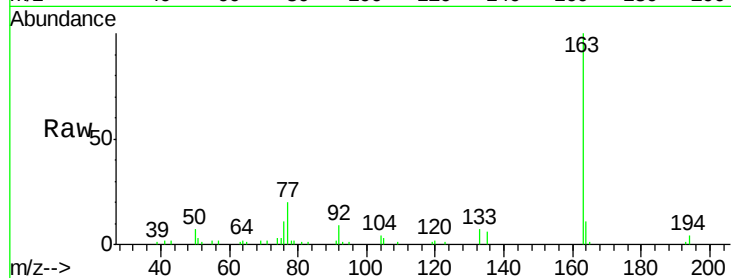




#49
 Dimethylphthalate
 Concen: 4.410 ng
 RT: 9.71 min Scan# 1253
 Delta R.T. -0.02 min
 Lab File: BF106743.D
 Acq: 23 Jun 2018 7:20

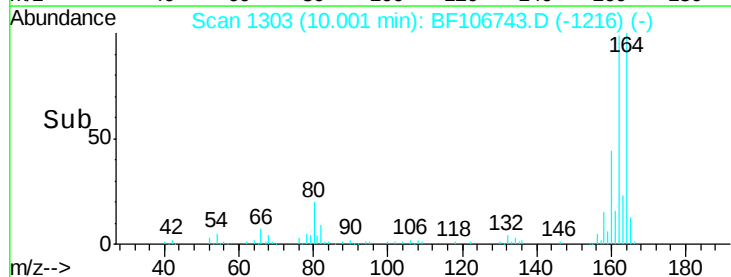
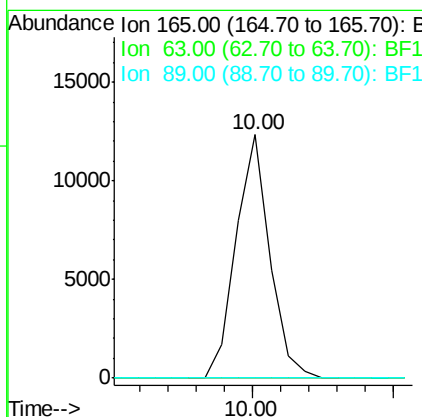
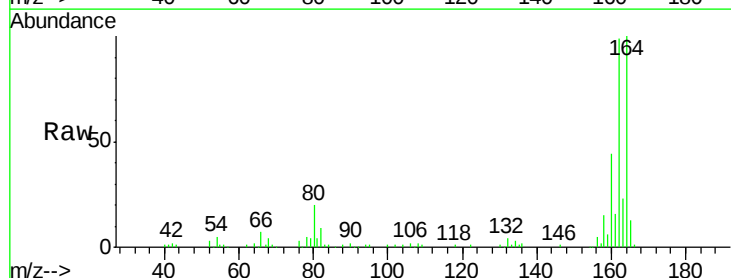
Instrument :
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 SSP-B-COMPOSITE

Tgt Ion:163 Resp: 26087
 Ion Ratio Lower Upper
 163 100
 194 3.7 2.7 4.1
 164 10.8 8.2 12.2



#50
 2,6-Dinitrotoluene
 Concen: 8.180 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. 0.21 min
 Lab File: BF106743.D
 Acq: 23 Jun 2018 7:20

Tgt Ion:165 Resp: 10246
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 0.0 44.0 66.0#

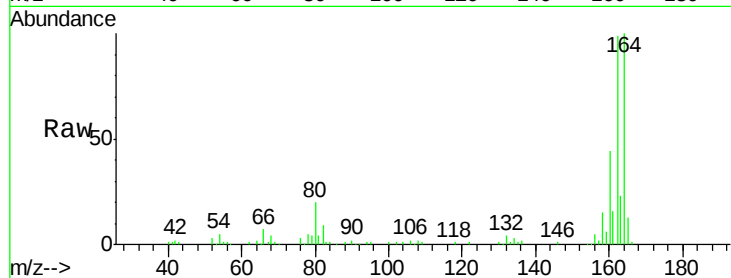




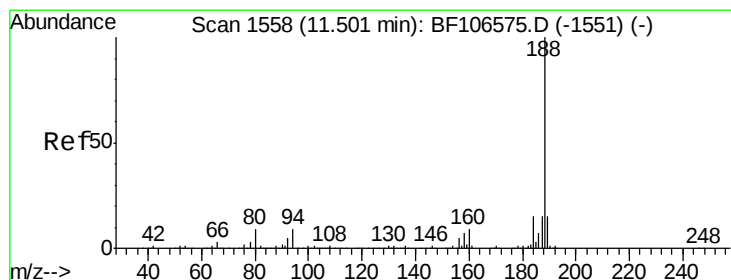
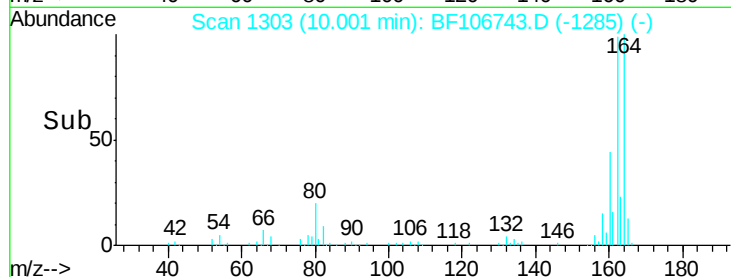
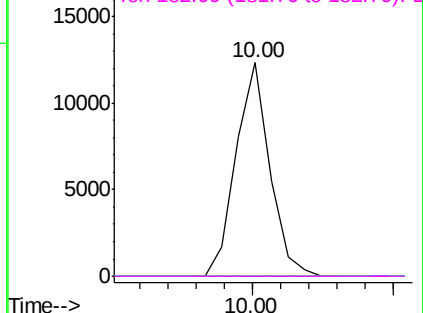
#56
2,4-Dinitrotoluene
Concen: 6.267 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.19 min
Lab File: BF106743.D
Acq: 23 Jun 2018 7:20

Instrument :
BNA_F
ClientSampleId :
SSP-B-COMPOSITE

Tgt Ion:	165	Resp:	10246
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#

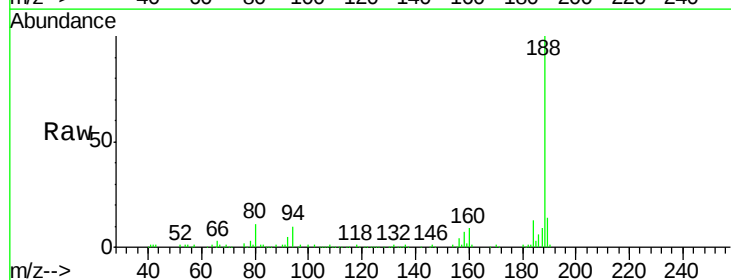


Abundance Ion 165.00 (164.70 to 165.70): E

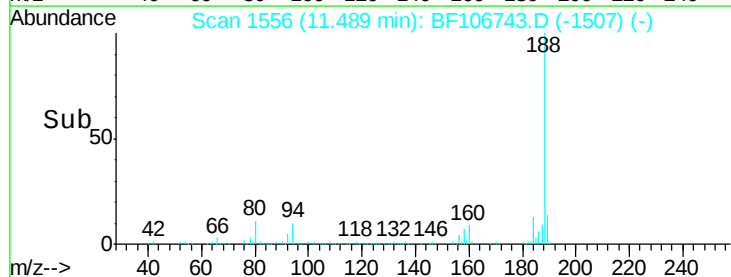
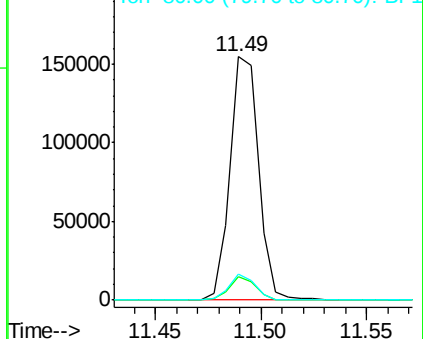


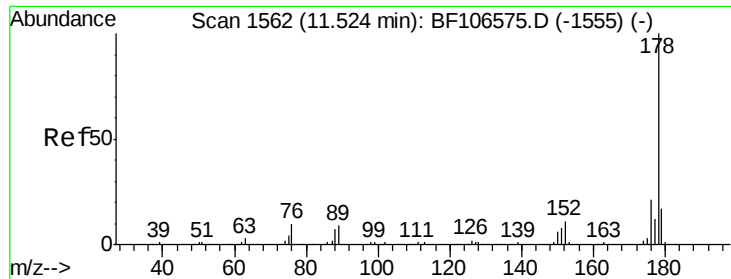
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF106743.D
Acq: 23 Jun 2018 7:20

Tgt Ion:	188	Resp:	144216
Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.5	12.7
80	10.5	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E





#70

Phenanthrene

Concen: 2.832 ng

RT: 11.52 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF106743.D

Acq: 23 Jun 2018 7:20

Instrument :

BNA_F

ClientSampleId :

SSP-B-COMPOSITE

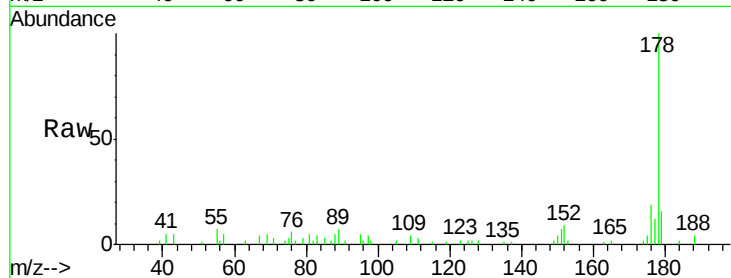
Tgt Ion:178 Resp: 19698

Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.8

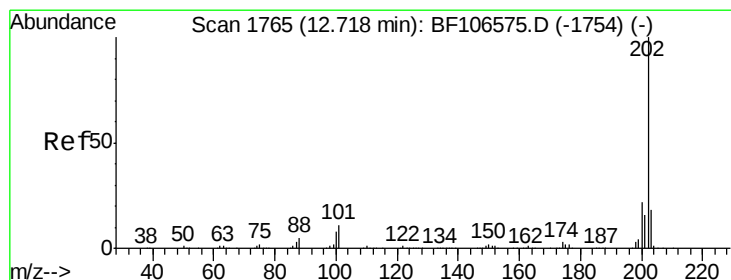
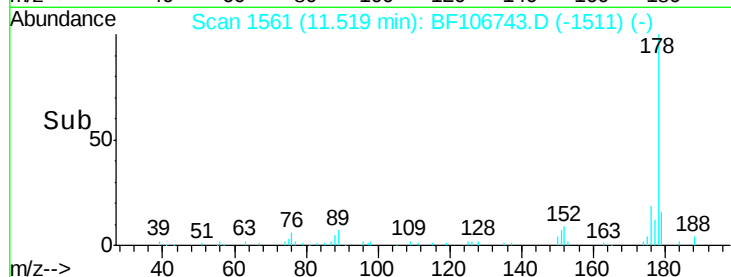
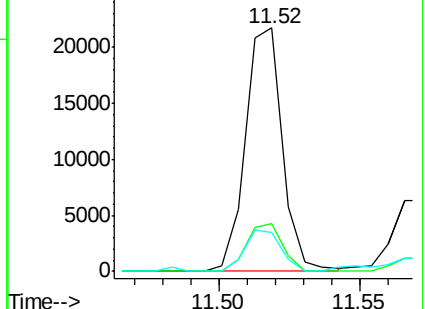
179 16.0 13.0 19.6



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: 6.040 ng

RT: 12.71 min Scan# 1763

Delta R.T. -0.01 min

Lab File: BF106743.D

Acq: 23 Jun 2018 7:20

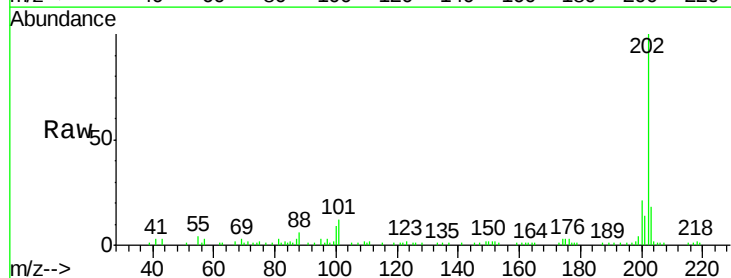
Tgt Ion:202 Resp: 46309

Ion Ratio Lower Upper

202 100

101 11.8 0.0 34.1

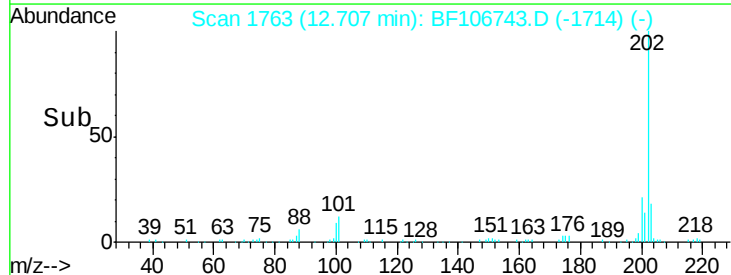
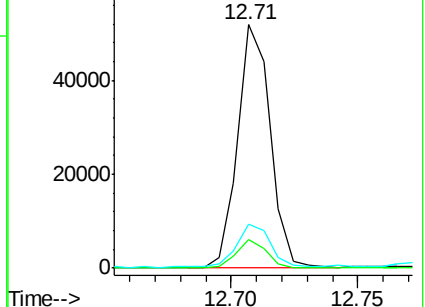
203 18.2 0.0 38.1

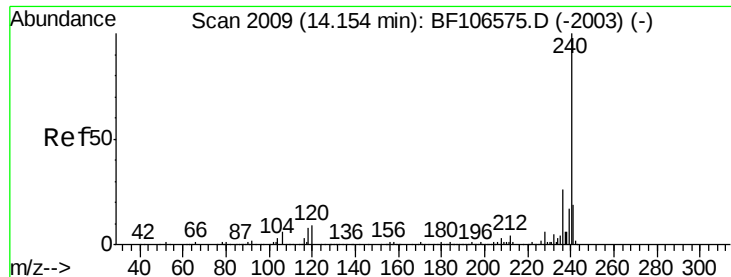


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF106743.D

Acq: 23 Jun 2018 7:20

Instrument :

BNA_F

ClientSampleId :

SSP-B-COMPOSITE

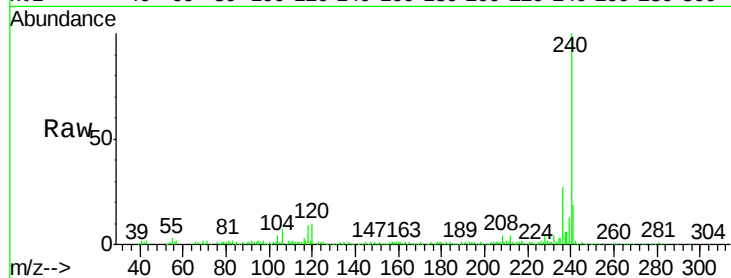
Tgt Ion:240 Resp: 137973

Ion Ratio Lower Upper

240 100

120 9.6 9.5 14.3

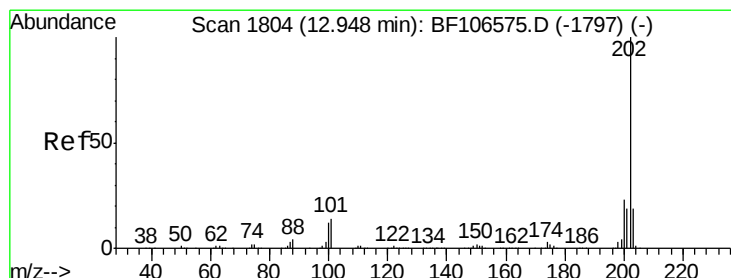
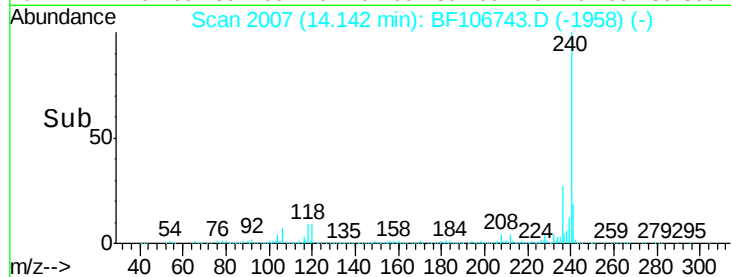
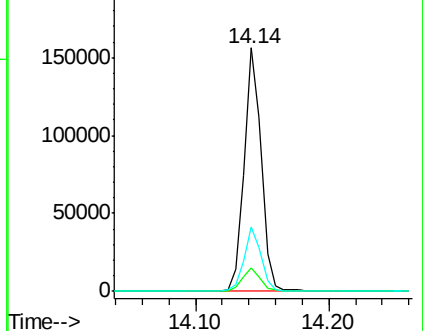
236 26.6 20.7 31.1



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: 5.211 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF106743.D

Acq: 23 Jun 2018 7:20

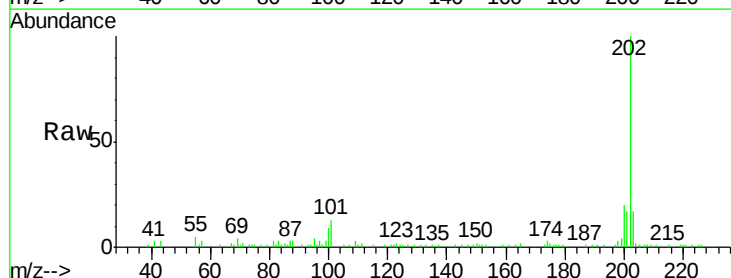
Tgt Ion:202 Resp: 47414

Ion Ratio Lower Upper

202 100

200 20.2 17.4 26.2

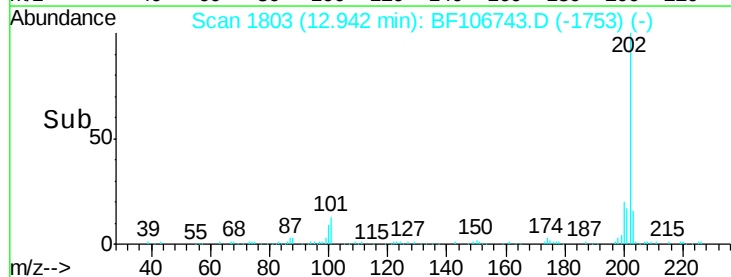
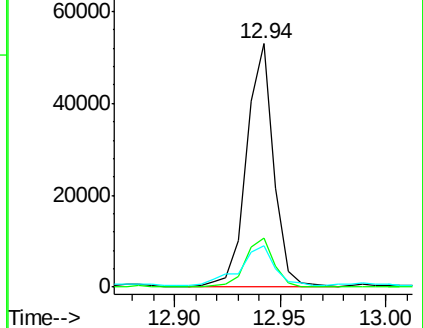
203 17.1 14.3 21.5

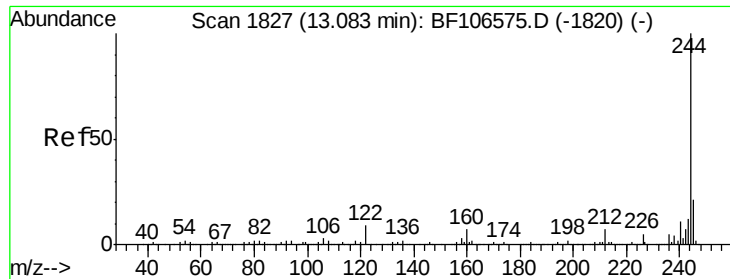


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 46.419 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF106743.D

Acq: 23 Jun 2018 7:20

Instrument :

BNA_F

ClientSampleId :

SSP-B-COMPOSITE

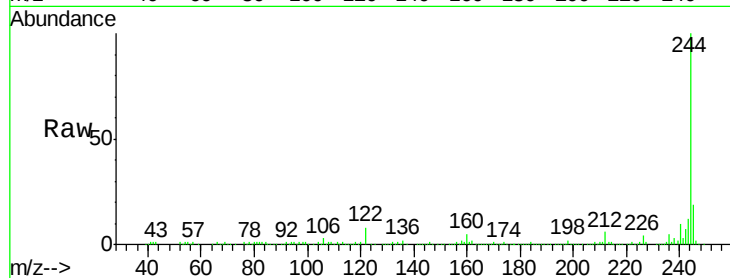
Tgt Ion: 244 Resp: 264398

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.0

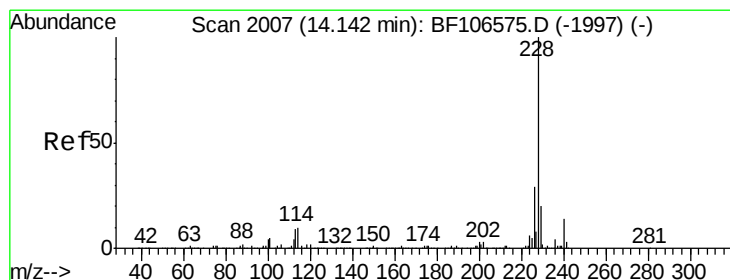
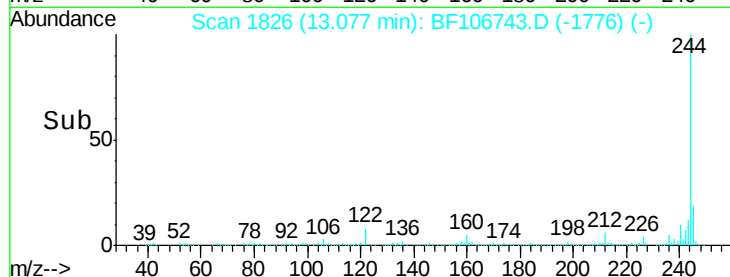
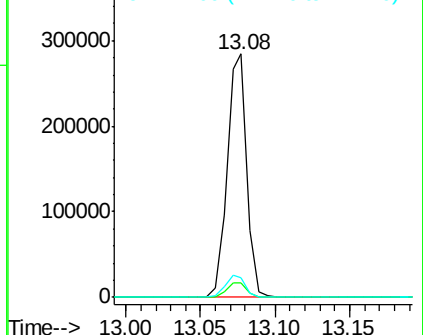
122 8.0 11.0 16.4#



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: 3.023 ng

RT: 14.13 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BF106743.D

Acq: 23 Jun 2018 7:20

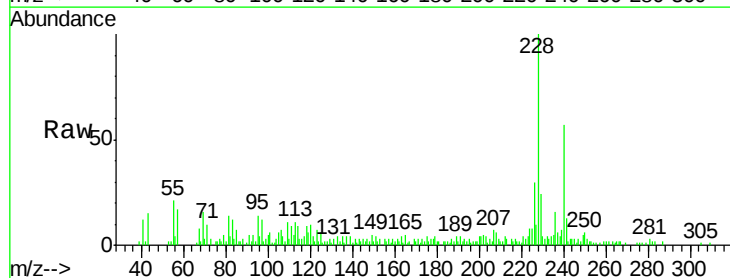
Tgt Ion: 228 Resp: 25417

Ion Ratio Lower Upper

228 100

226 30.3 22.6 33.8

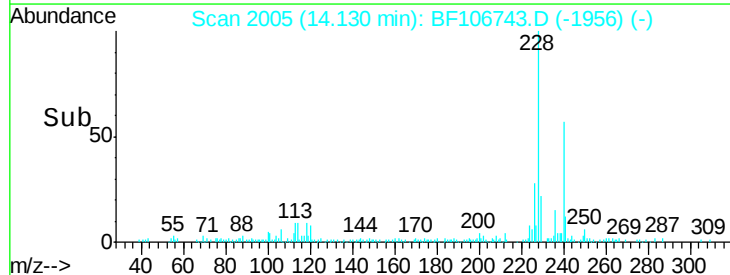
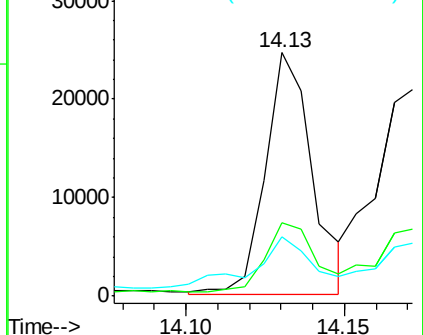
229 24.3 15.8 23.6#

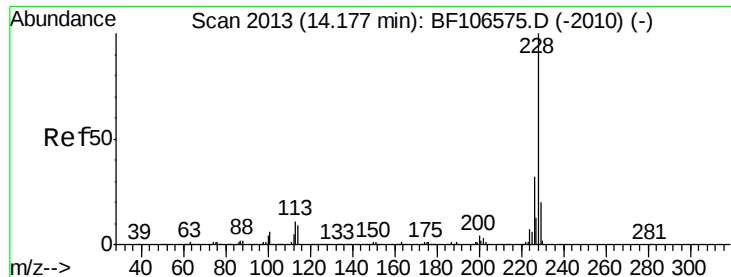


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.285 ng

RT: 14.13 min Scan# 2005

Delta R.T. -0.05 min

Lab File: BF106743.D

Acq: 23 Jun 2018 7:20

Instrument :

BNA_F

ClientSampleId :

SSP-B-COMPOSITE

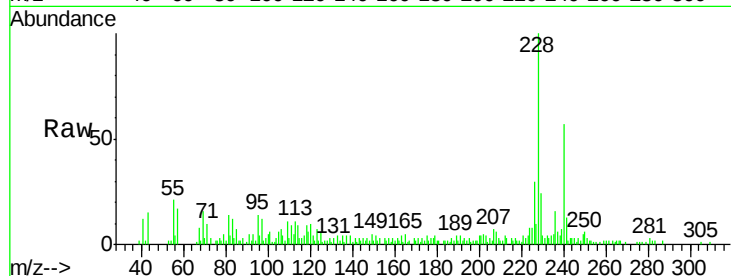
Tgt Ion: 228 Resp: 25417

Ion Ratio Lower Upper

228 100

226 30.3 25.0 37.6

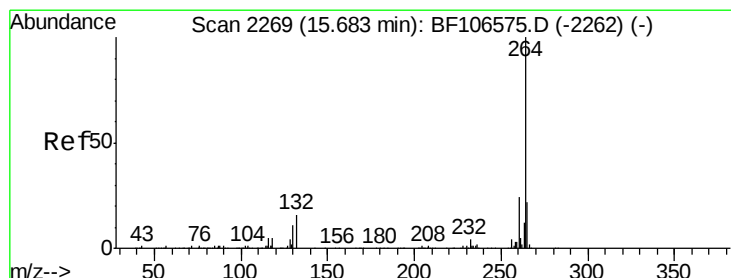
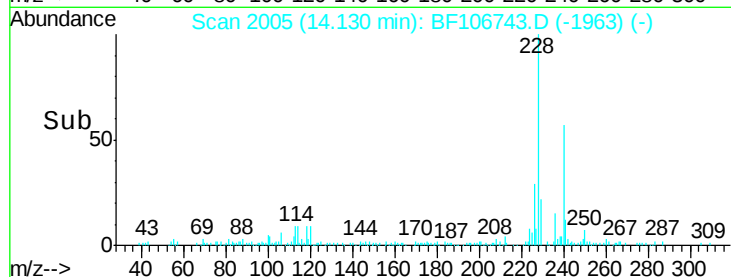
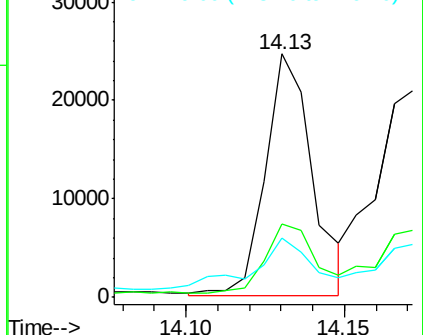
229 24.3 16.2 24.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2269

Delta R.T. -0.01 min

Lab File: BF106743.D

Acq: 23 Jun 2018 7:20

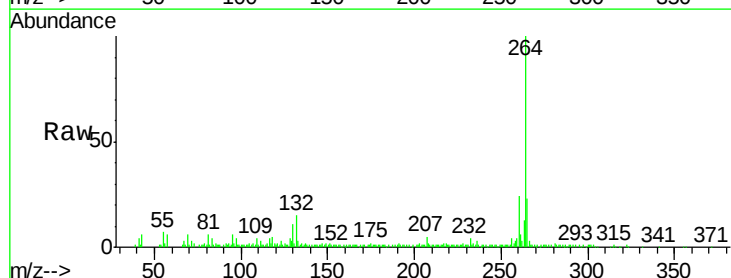
Tgt Ion: 264 Resp: 96661

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

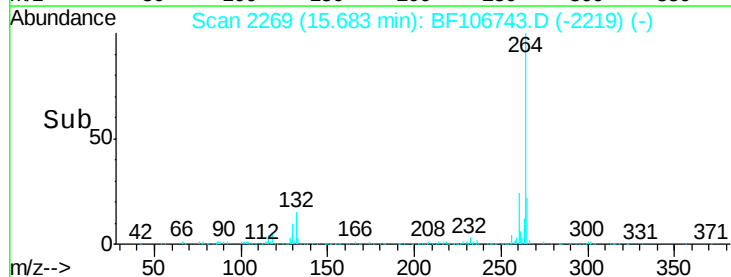
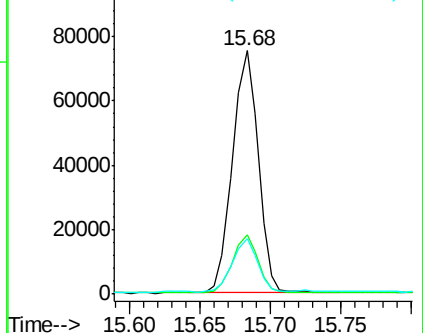
265 22.7 17.5 26.3

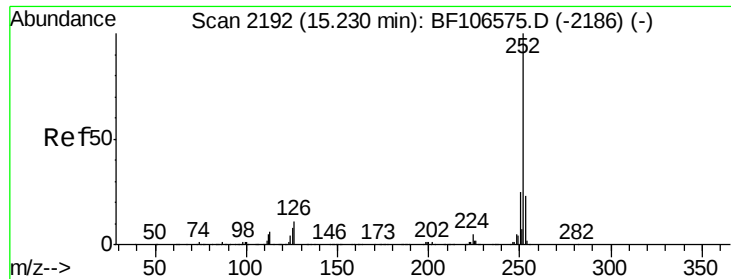


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

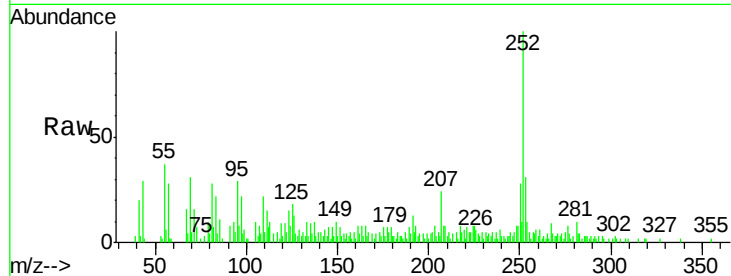




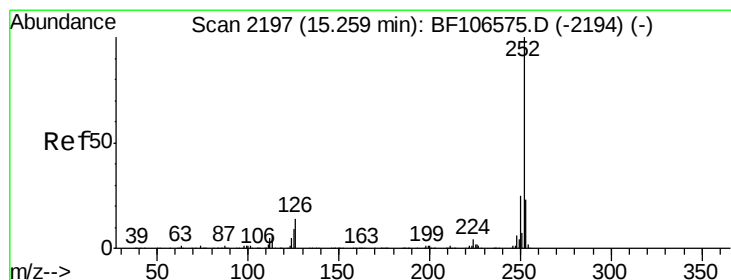
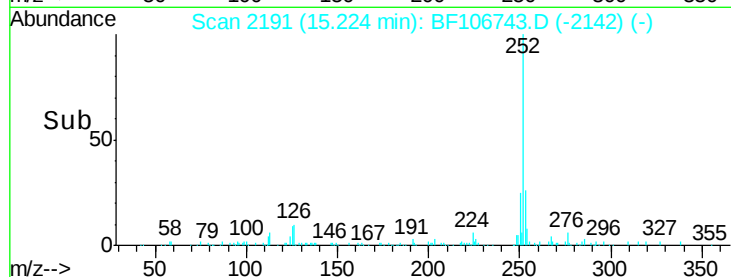
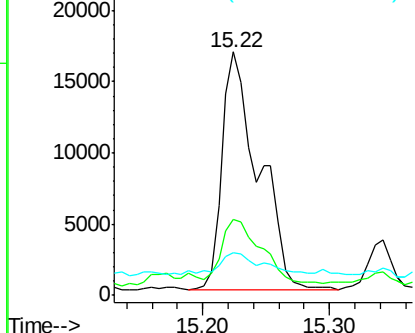
#87
Benzo(b)fluoranthene
Concen: 5.572 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF106743.D
Acq: 23 Jun 2018 7:20

Instrument :
BNA_F
ClientSampleId :
SSP-B-COMPOSITE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.3	17.0	25.6#
125	17.6	9.0	13.6#

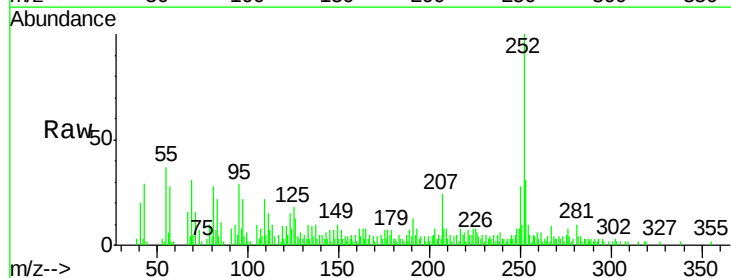


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

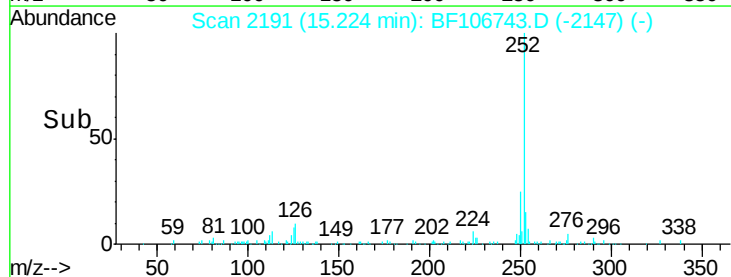
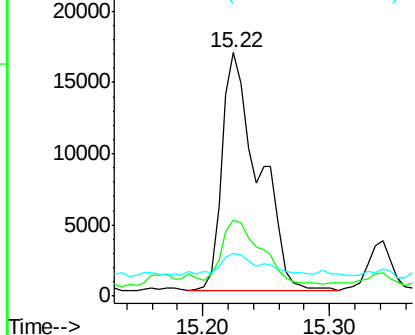


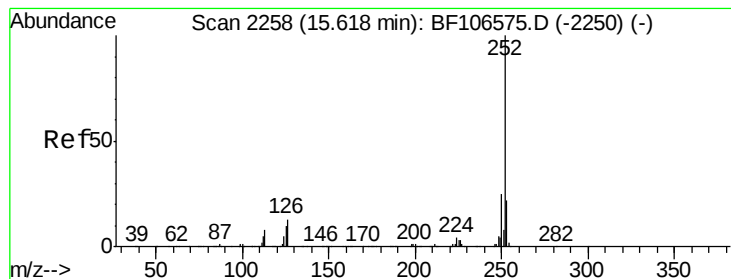
#88
Benzo(k)fluoranthene
Concen: 5.851 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.04 min
Lab File: BF106743.D
Acq: 23 Jun 2018 7:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.3	17.9	26.9#
125	17.6	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: 3.086 ng

RT: 15.61 min Scan# 2257

Delta R.T. -0.02 min

Lab File: BF106743.D

Acq: 23 Jun 2018 7:20

Instrument :

BNA_F

ClientSampleId :

SSP-B-COMPOSITE

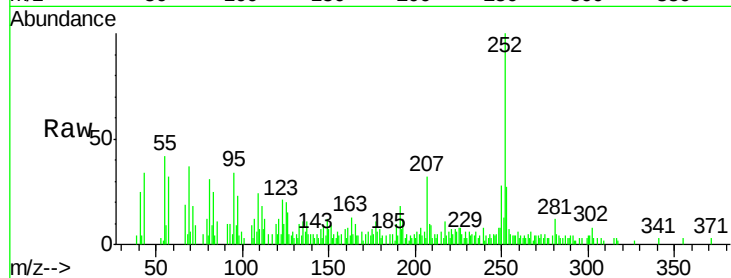
Tgt Ion: 252 Resp: 16472

Ion Ratio Lower Upper

252 100

253 27.4 17.1 25.7#

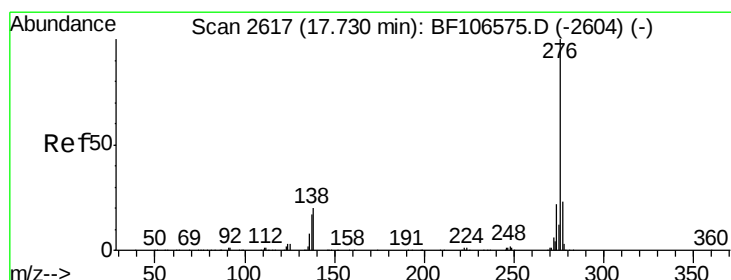
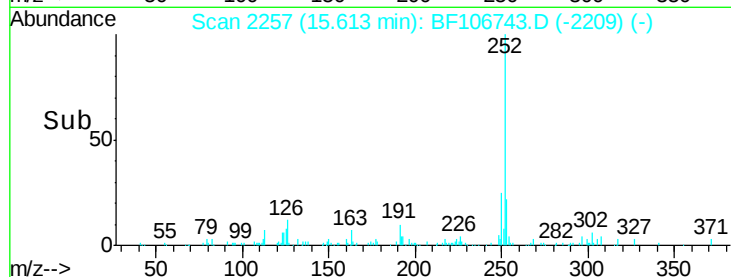
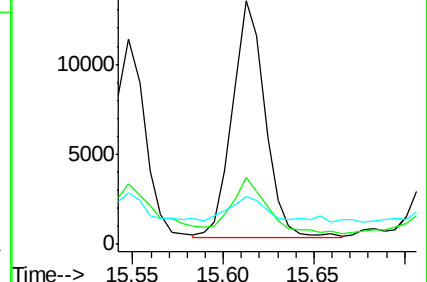
125 19.5 9.8 14.6#



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



#91

Benzo(g,h,i)perylene

Concen: 2.937 ng

RT: 17.73 min Scan# 2617

Delta R.T. -0.02 min

Lab File: BF106743.D

Acq: 23 Jun 2018 7:20

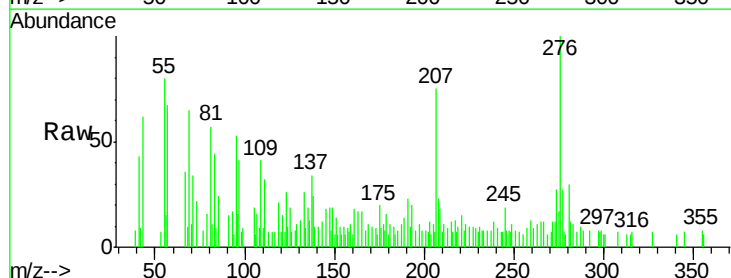
Tgt Ion: 276 Resp: 12988

Ion Ratio Lower Upper

276 100

277 27.0 17.9 26.9#

138 23.6 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

