

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF062018\
 Data File : BF106633.D
 Acq On : 20 Jun 2018 21:28
 Operator : JU/SJ
 Sample : J3249-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-061818-A

Quant Time: Jun 21 01:04:11 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 19 14:32:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	93753	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	378291	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	202029	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	381823	20.00	ng	0.00
75) Chrysene-d12	14.15	240	278844	20.00	ng	0.00
86) Perylene-d12	15.68	264	284164	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	120153	21.70	ng	0.00
7) Phenol-d6	6.61	99	157234	22.74	ng	0.00
23) Nitrobenzene-d5	7.52	82	97631	14.34	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	50272	21.47	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	211569	3.60	ng	-0.01
78) Terphenyl-d14	13.08	244	218129	18.95	ng	0.00

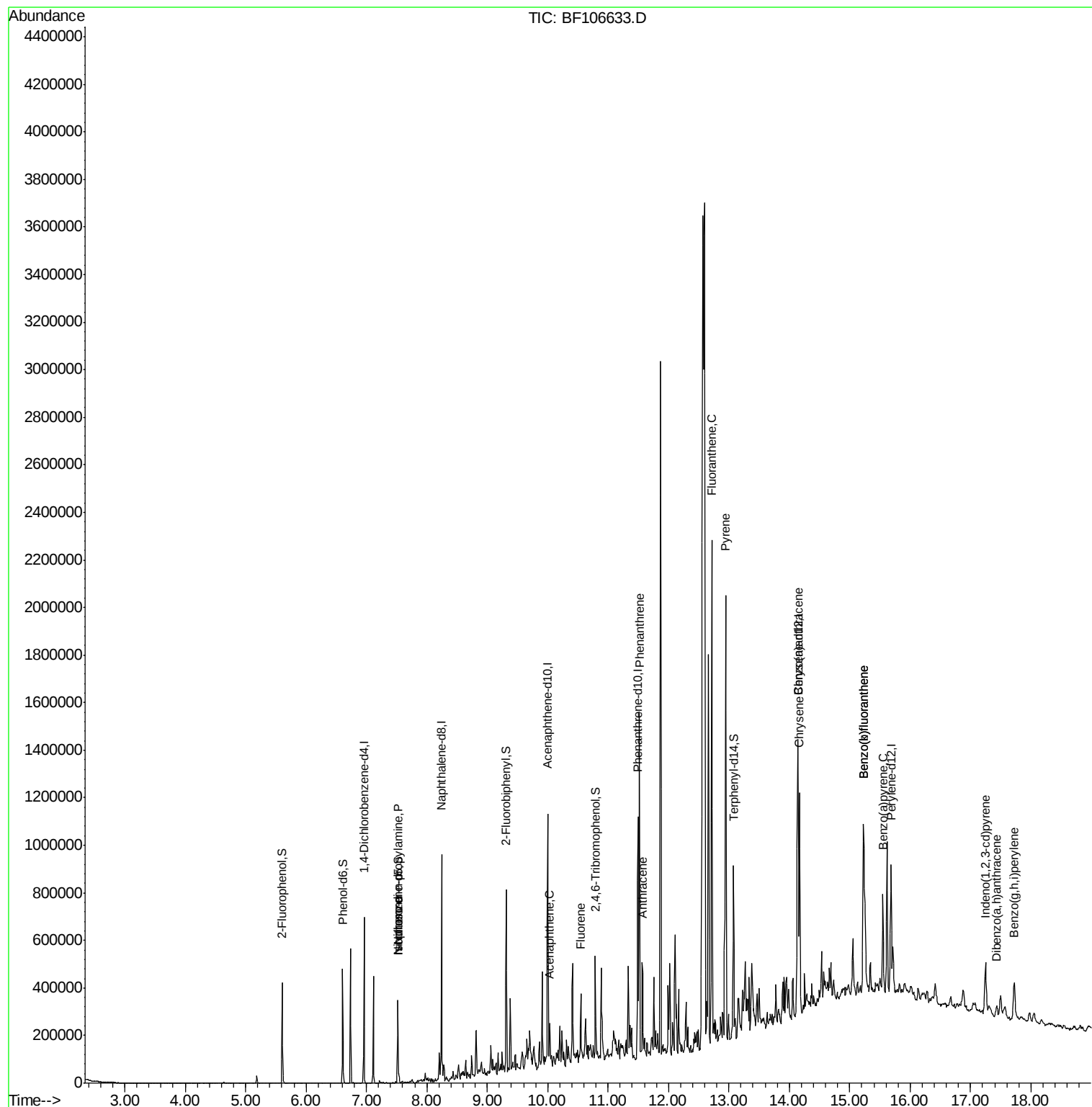
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.52	70	13512	2.965	ng	# 78
25) Isophorone	7.52	82	97650	8.141	ng	# 64
51) Acenaphthene	10.03	154	35675	2.831	ng	97
57) Fluorene	10.55	166	68402	4.996	ng	98
70) Phenanthrene	11.52	178	516539	28.048	ng	99
71) Anthracene	11.57	178	159765	8.499	ng	99
74) Fluoranthene	12.72	202	941405	46.379	ng	96
77) Pyrene	12.95	202	828501	45.057	ng	98
80) Benzo(a)anthracene	14.14	228	446559	26.276	ng	97
82) Chrysene	14.17	228	371376	23.753	ng	98
85) Indeno(1,2,3-cd)pyrene	17.25	276	154355	11.633	ng	# 89
87) Benzo(b)fluoranthene	15.23	252	635183	35.983	ng	# 95
88) Benzo(k)fluoranthene	15.23	252	635183	37.786	ng	# 95
89) Benzo(a)pyrene	15.55	252	221408	14.109	ng	96
90) Dibenzo(a,h)anthracene	17.44	278	33018	2.483	ng	94
91) Benzo(g,h,i)perylene	17.72	276	141927	10.918	ng	# 92

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

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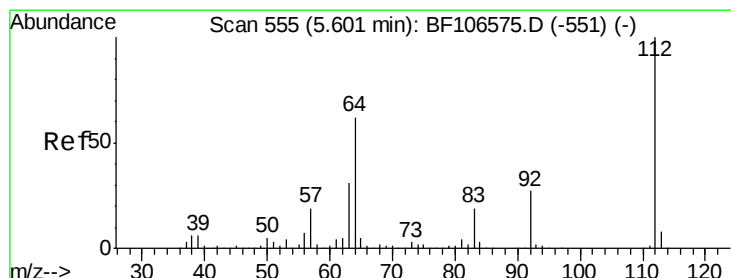
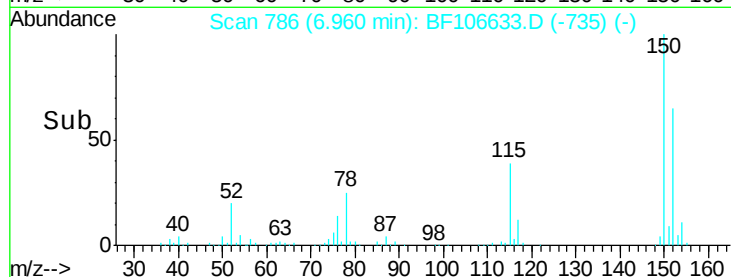
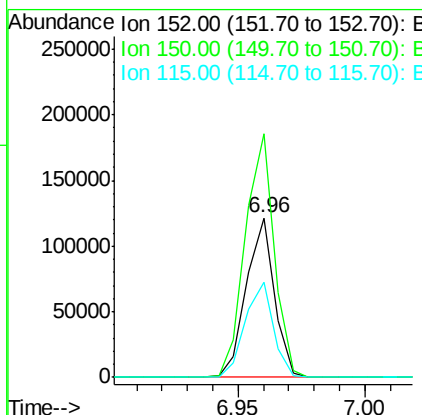
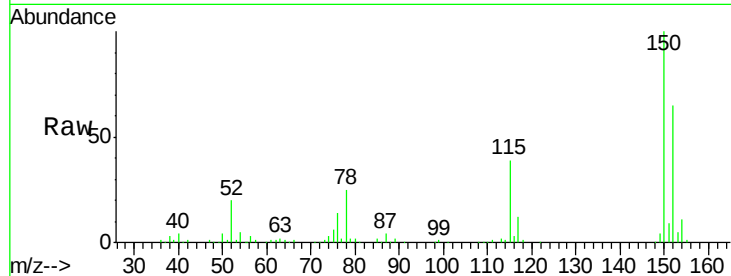


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF106633.D
Acq: 20 Jun 2018 21:28

Instrument :
BNA_F
ClientSampleId :
PL-01-061818-A

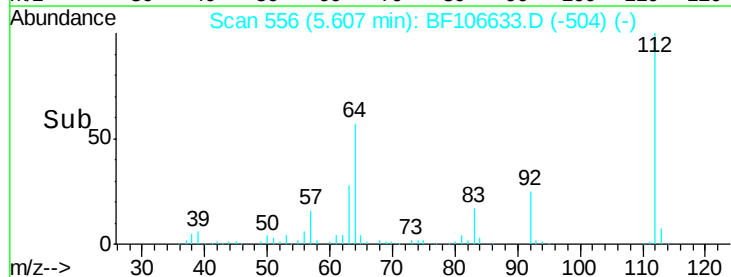
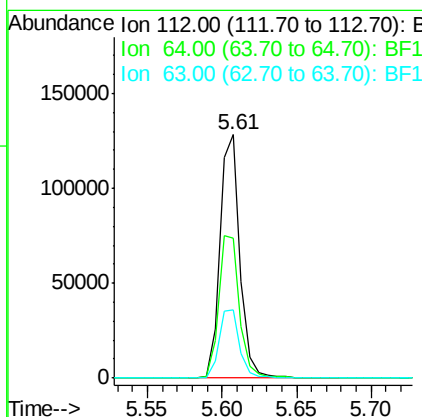
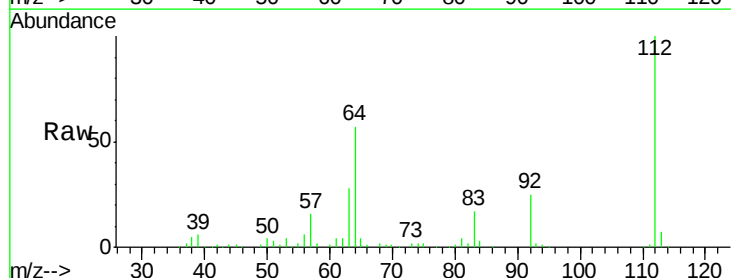
Tgt Ion:152 Resp: 93753
Ion Ratio Lower Upper
152 100
150 153.0 124.6 186.8
115 59.4 50.1 75.1



#5

2-Fluorophenol
Concen: 21.701 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF106633.D
Acq: 20 Jun 2018 21:28

Tgt Ion:112 Resp: 120153
Ion Ratio Lower Upper
112 100
64 57.3 47.9 71.9
63 28.2 23.7 35.5





#7

Phenol-d6

Concen: 22.741 ng

RT: 6.61 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF106633.D

Acq: 20 Jun 2018 21:28

Instrument :

BNA_F

ClientSampleId :

PL-01-061818-A

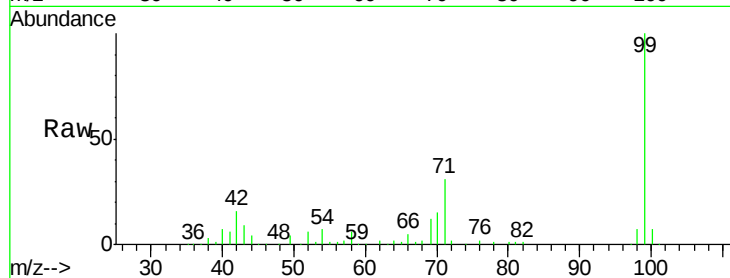
Tgt Ion: 99 Resp: 157234

Ion Ratio Lower Upper

99 100

42 16.1 14.5 21.7

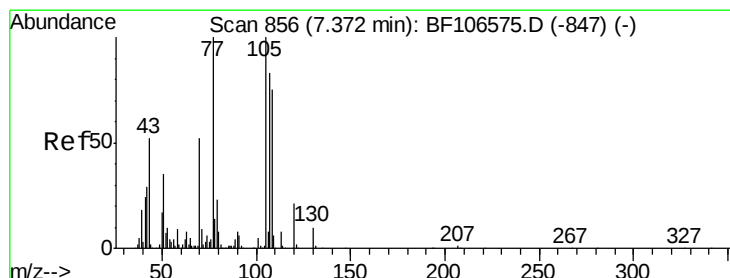
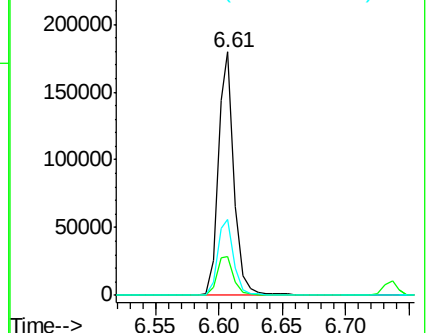
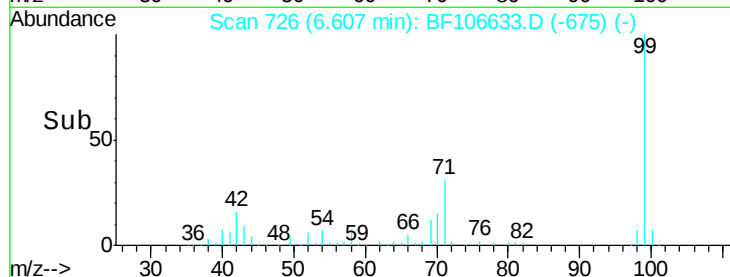
71 31.3 25.4 38.0



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: 2.965 ng

RT: 7.52 min Scan# 881

Delta R.T. 0.15 min

Lab File: BF106633.D

Acq: 20 Jun 2018 21:28

Tgt Ion: 70 Resp: 13512

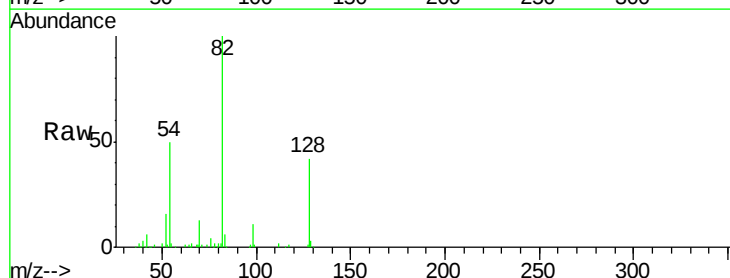
Ion Ratio Lower Upper

70 100

42 48.5 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

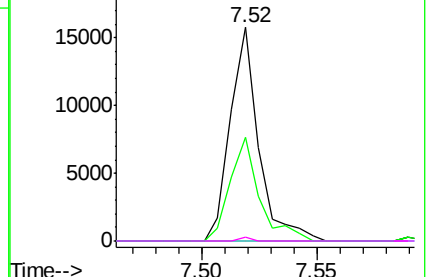
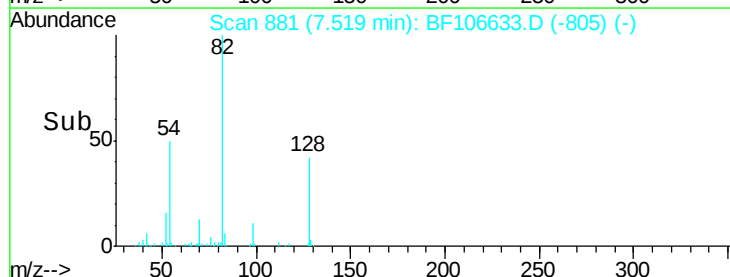


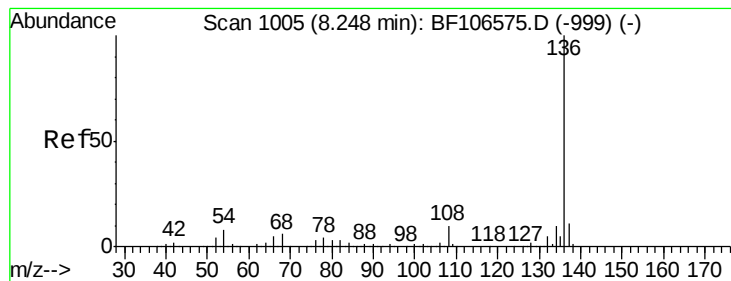
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF106633.D

Acq: 20 Jun 2018 21:28

Instrument :

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Tgt Ion: 136 Resp: 378291

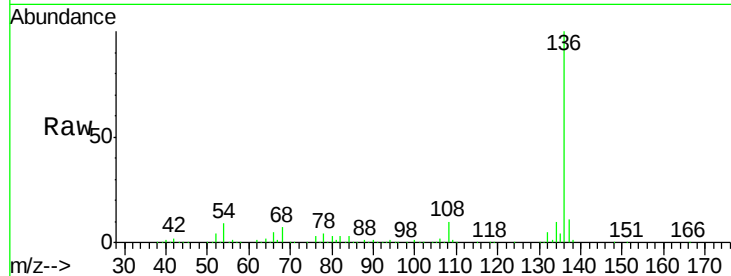
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 8.6 6.6 9.8

68 6.5 5.0 7.4

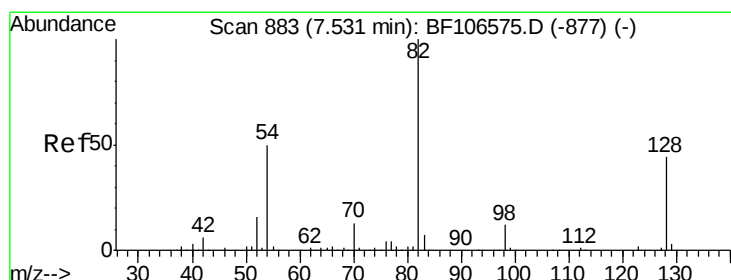
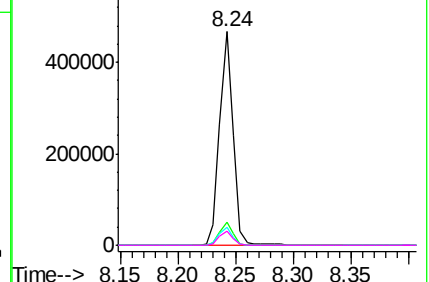
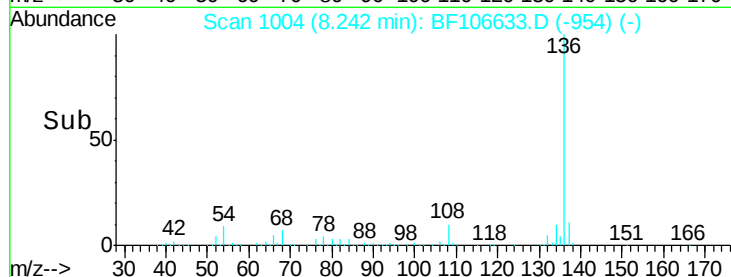


Abundance Ion 136.00 (135.70 to 136.70): E

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: 14.343 ng

RT: 7.52 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF106633.D

Acq: 20 Jun 2018 21:28

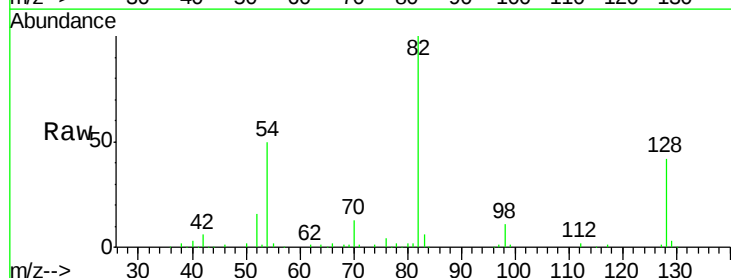
Tgt Ion: 82 Resp: 97631

Ion Ratio Lower Upper

82 100

128 42.2 36.1 54.1

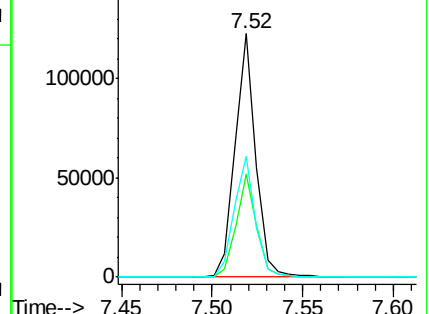
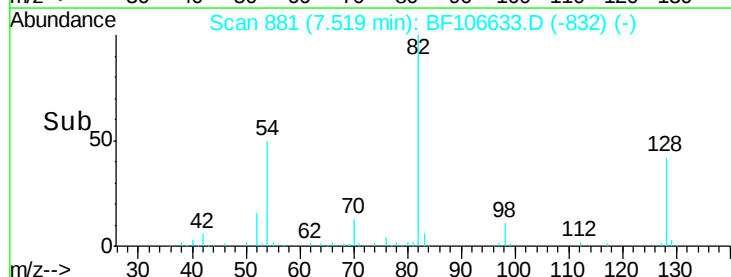
54 49.7 41.4 62.2

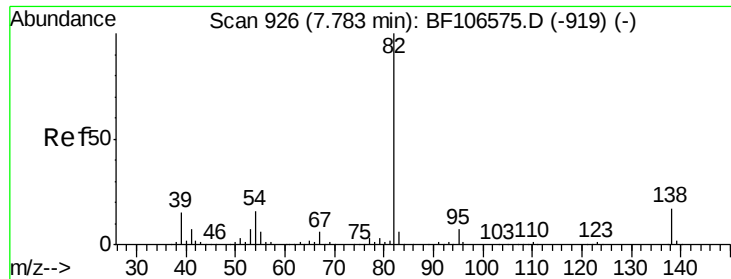


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

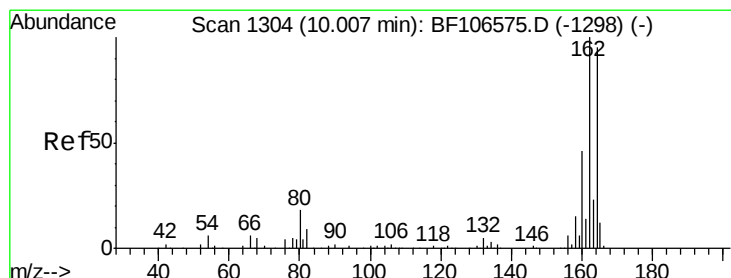
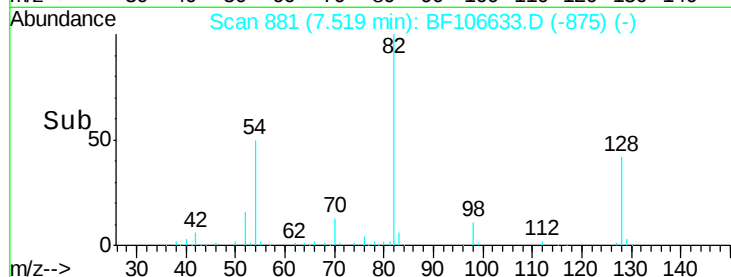
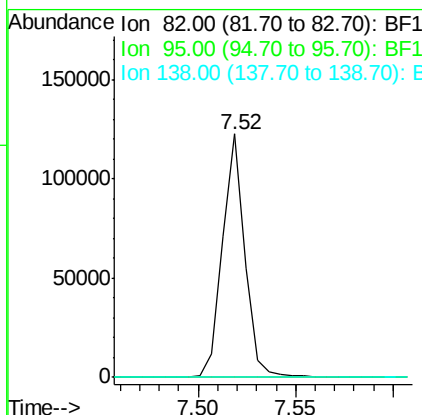
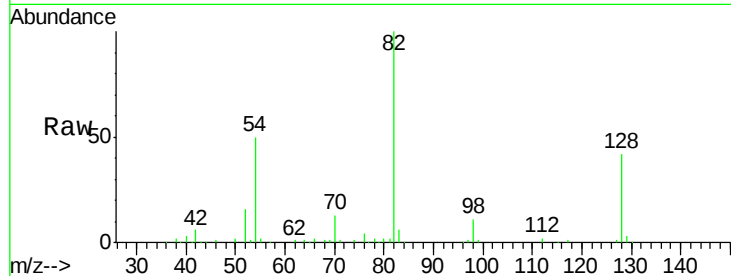




#25
Isophorone
Concen: 8.141 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.26 min
Lab File: BF106633.D
Acq: 20 Jun 2018 21:28

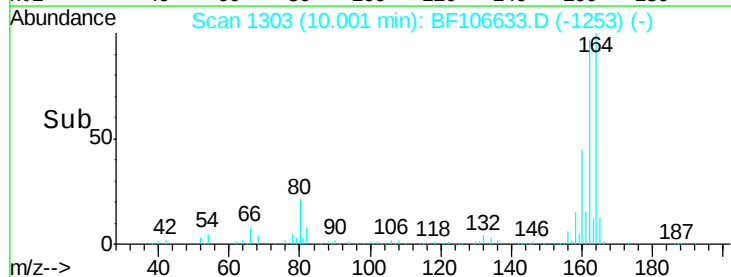
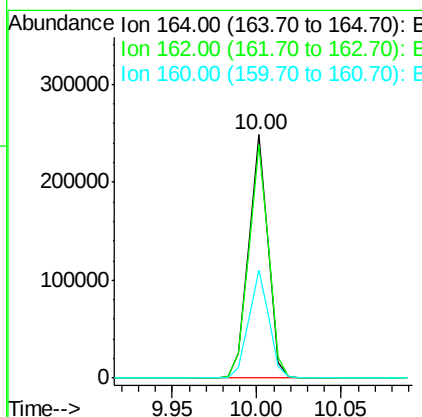
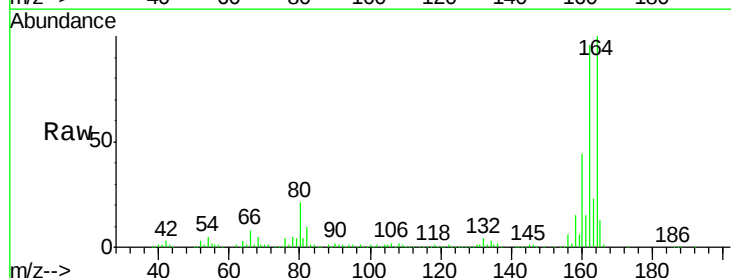
Instrument :
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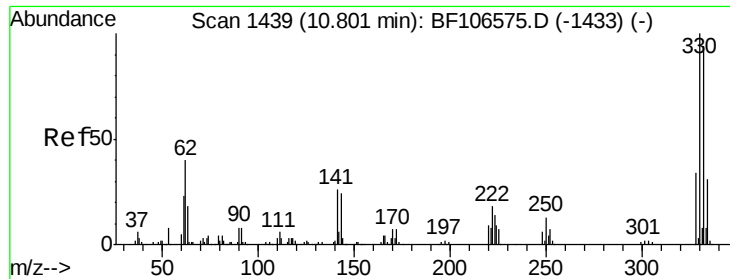
Tgt Ion: 82 Resp: 97650
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF106633.D
Acq: 20 Jun 2018 21:28

Tgt Ion: 164 Resp: 202029
Ion Ratio Lower Upper
164 100
162 95.9 86.1 129.1
160 44.2 38.3 57.5

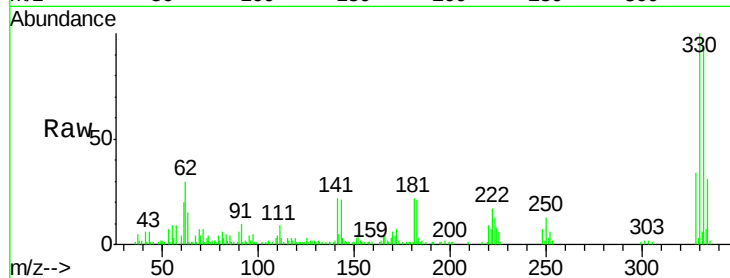




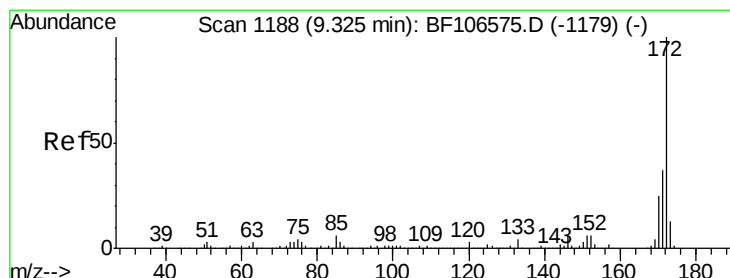
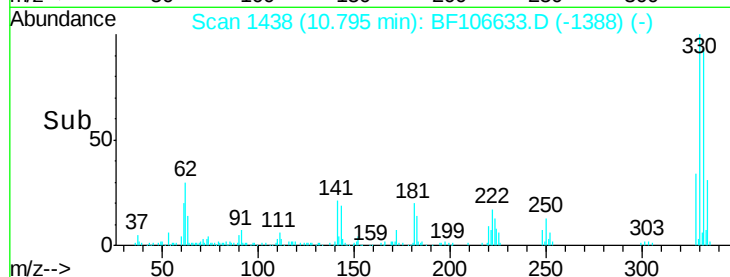
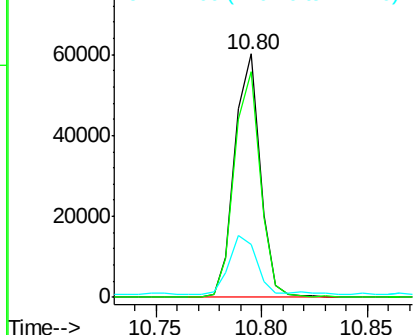
#41
 2,4,6-Tribromophenol
 Concen: 21.469 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF106633.D
 Acq: 20 Jun 2018 21:28

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-061818-A

Tgt Ion:330 Resp: 50272
 Ion Ratio Lower Upper
 330 100
 332 94.3 77.0 115.6
 141 26.5 29.9 44.9#

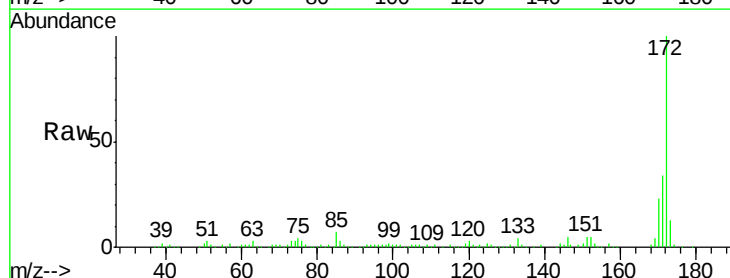


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

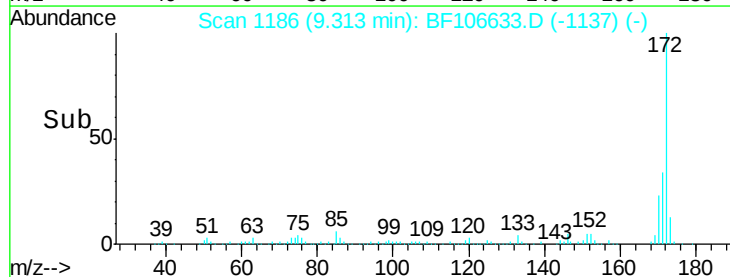
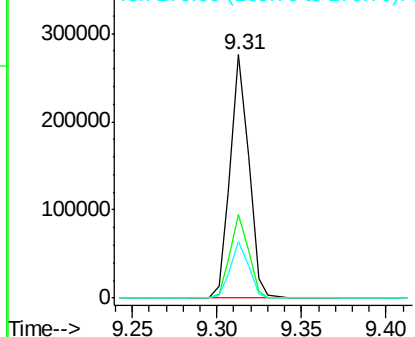


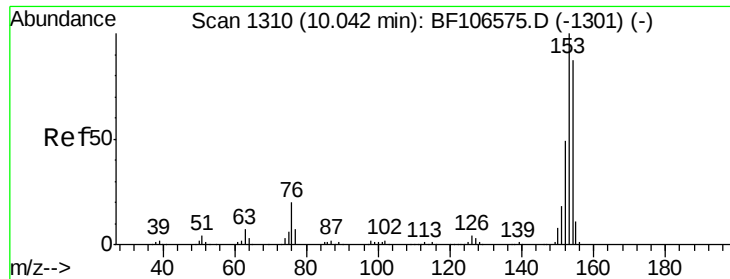
#44
 2-Fluorobiphenyl
 Concen: 3.599 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF106633.D
 Acq: 20 Jun 2018 21:28

Tgt Ion:172 Resp: 211569
 Ion Ratio Lower Upper
 172 100
 171 34.5 29.7 44.5
 170 23.1 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





#51

Acenaphthene

Concen: 2.831 ng

RT: 10.03 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF106633.D

Acq: 20 Jun 2018 21:28

Instrument :

BNA_F

ClientSampleId :

PL-01-061818-A

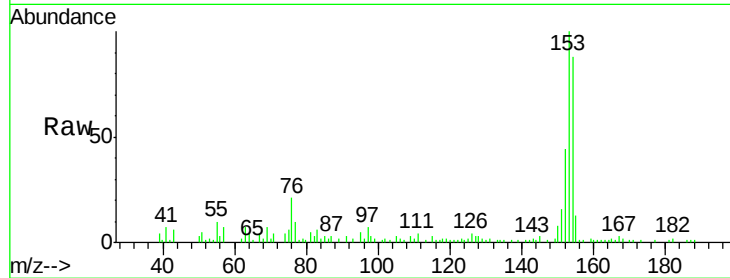
Tgt Ion:154 Resp: 35675

Ion Ratio Lower Upper

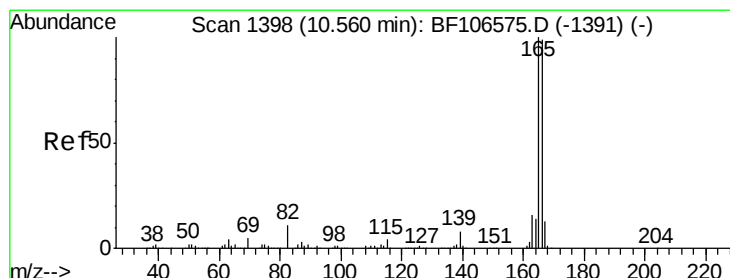
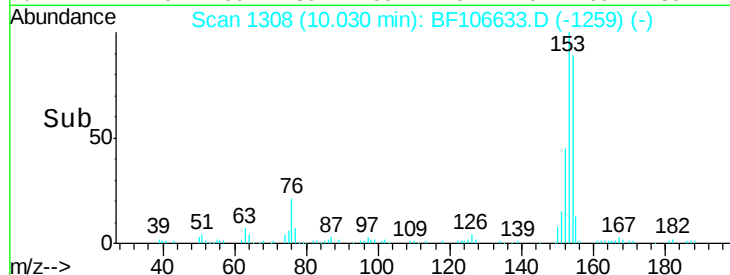
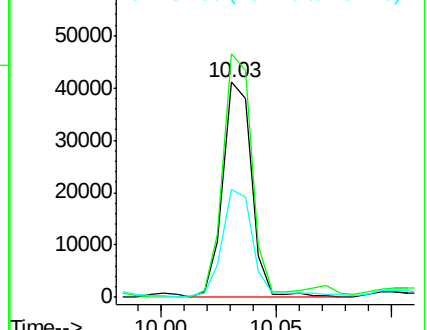
154 100

153 113.2 91.2 136.8

152 50.0 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 4.996 ng

RT: 10.55 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BF106633.D

Acq: 20 Jun 2018 21:28

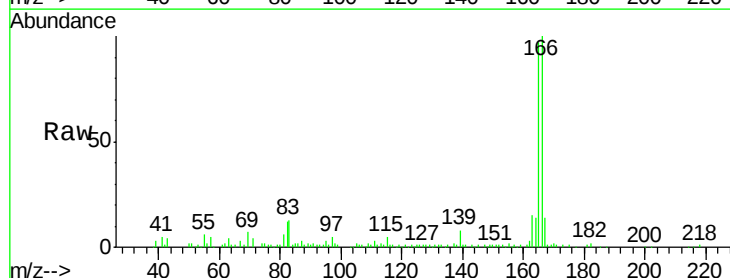
Tgt Ion:166 Resp: 68402

Ion Ratio Lower Upper

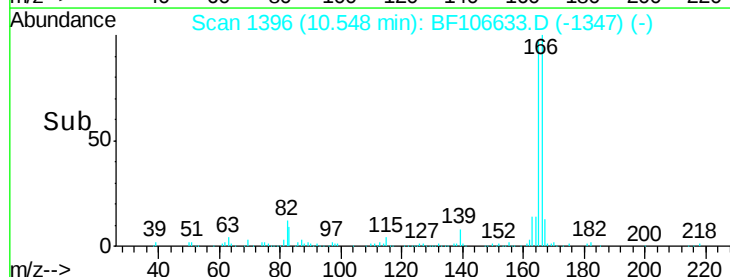
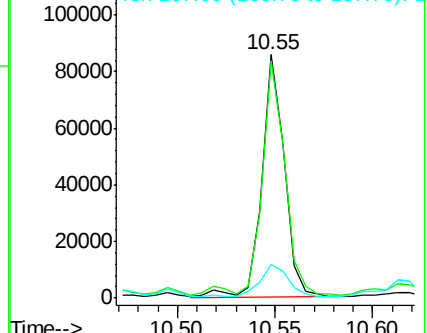
166 100

165 97.4 79.8 119.8

167 13.6 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

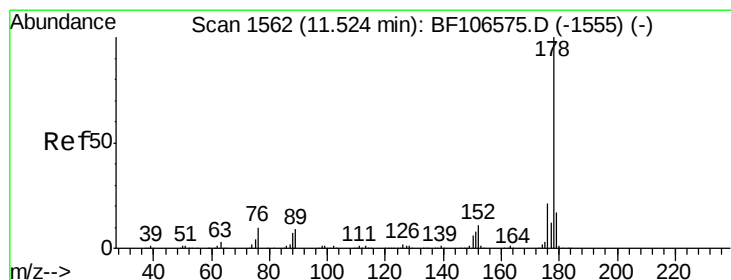
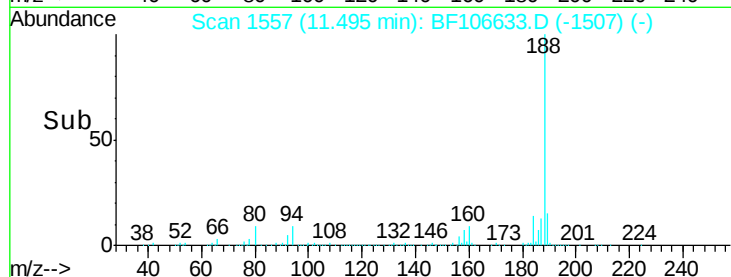
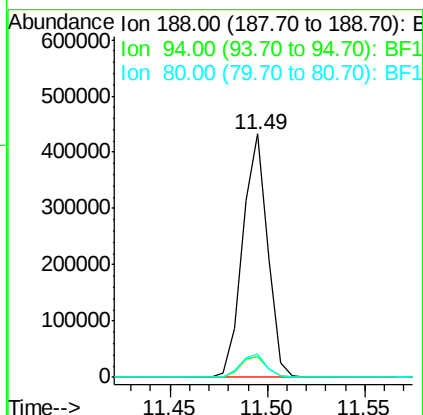
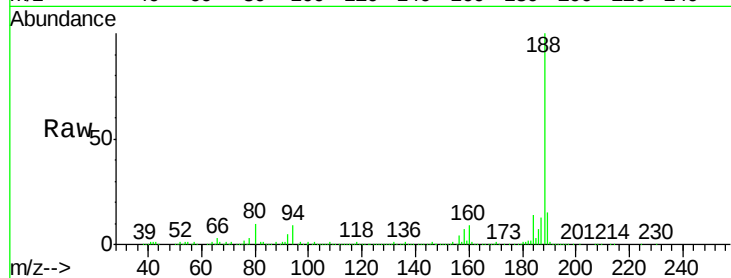




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF106633.D
Acq: 20 Jun 2018 21:28

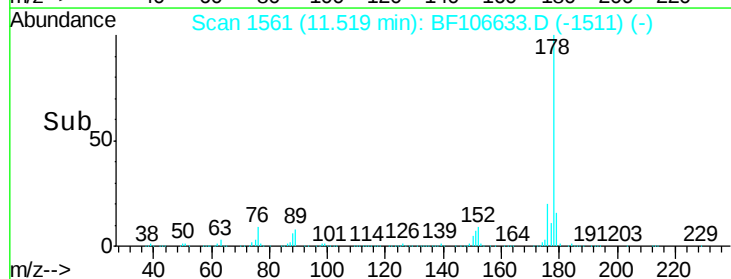
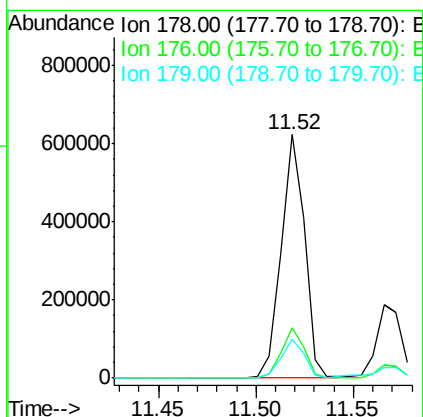
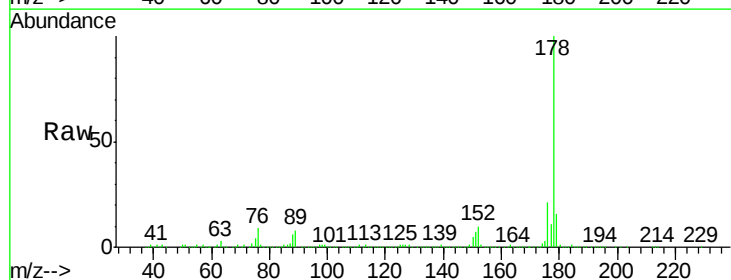
Instrument :
BNA_F
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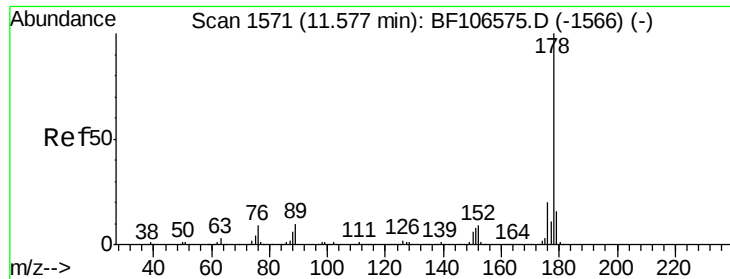
Tgt Ion:188 Resp: 381823
Ion Ratio Lower Upper
188 100
94 8.7 8.5 12.7
80 9.6 9.2 13.8



#70
Phenanthrene
Concen: 28.048 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF106633.D
Acq: 20 Jun 2018 21:28

Tgt Ion:178 Resp: 516539
Ion Ratio Lower Upper
178 100
176 20.5 15.8 23.8
179 15.8 13.0 19.6

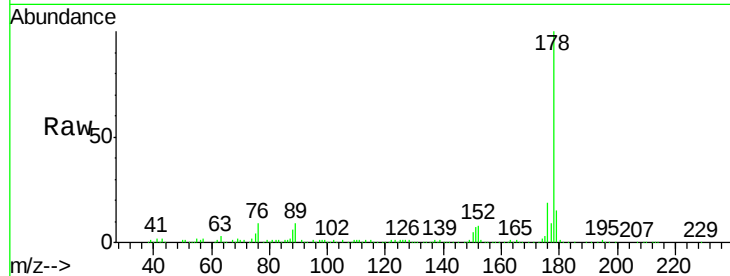




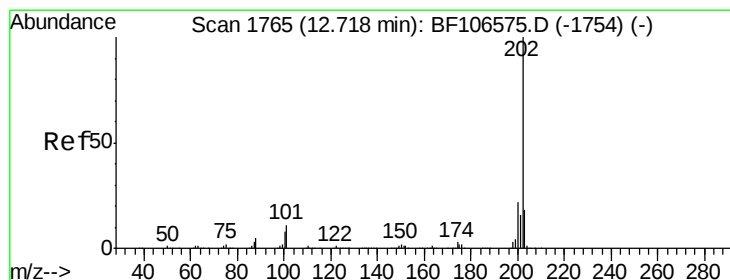
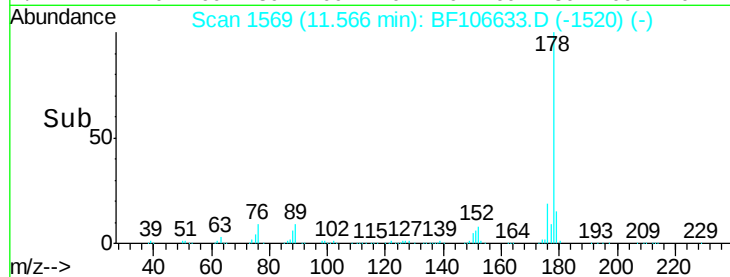
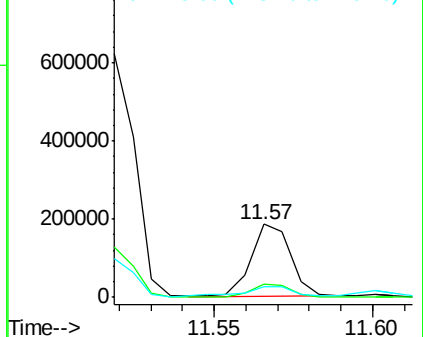
#71
 Anthracene
 Concen: 8.499 ng
 RT: 11.57 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF106633.D
 Acq: 20 Jun 2018 21:28

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-061818-A

Tgt Ion:178 Resp: 159765
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.4 23.2
 179 15.1 12.6 19.0

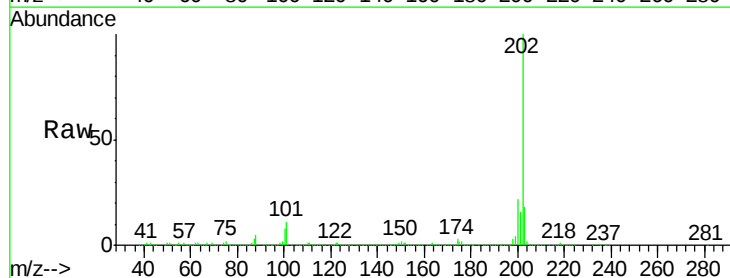


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

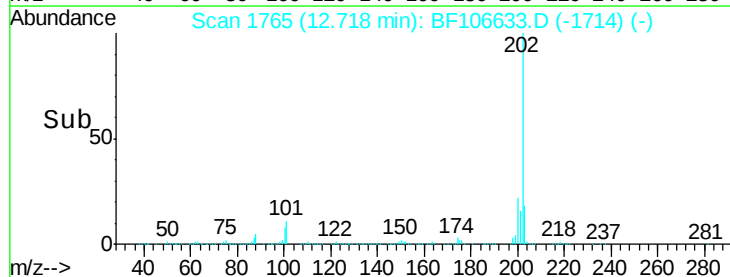
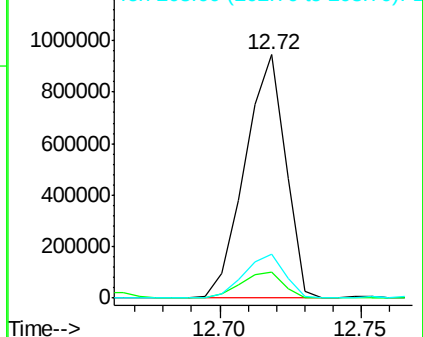


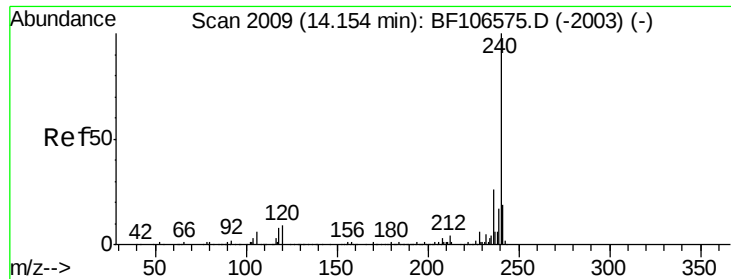
#74
 Fluoranthene
 Concen: 46.379 ng
 RT: 12.72 min Scan# 1765
 Delta R.T. 0.00 min
 Lab File: BF106633.D
 Acq: 20 Jun 2018 21:28

Tgt Ion:202 Resp: 941405
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 34.1
 203 18.3 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: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF106633.D

Acq: 20 Jun 2018 21:28

Instrument :

BNA_F

ClientSampleId :

PL-01-061818-A

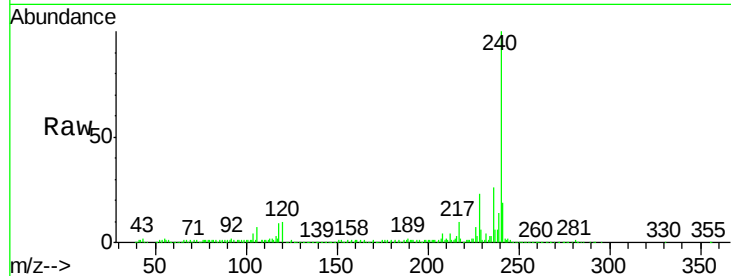
Tgt Ion:240 Resp: 278844

Ion Ratio Lower Upper

240 100

120 9.9 9.5 14.3

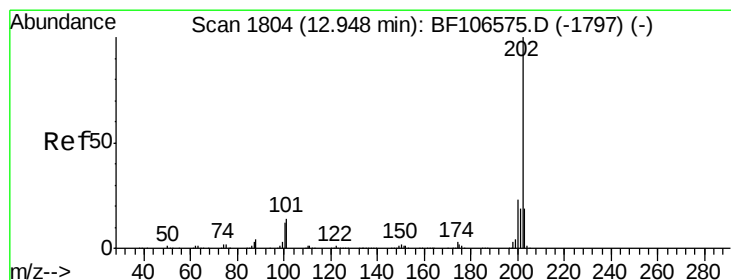
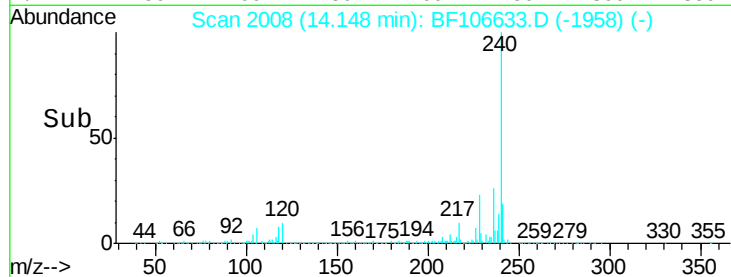
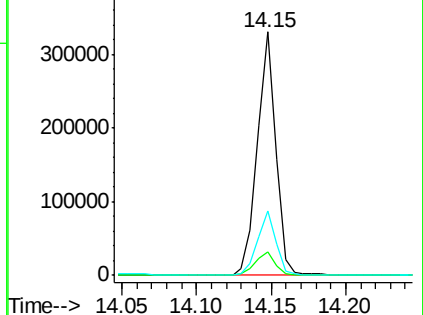
236 26.2 20.7 31.1



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: 45.057 ng

RT: 12.95 min Scan# 1804

Delta R.T. 0.00 min

Lab File: BF106633.D

Acq: 20 Jun 2018 21:28

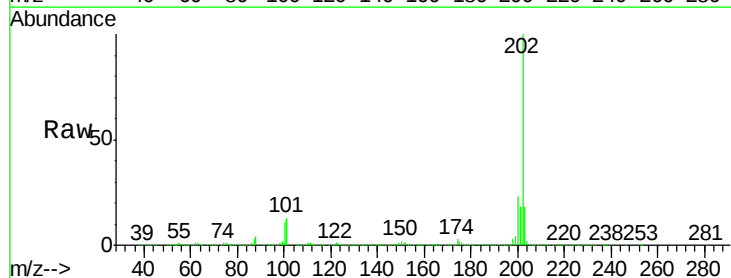
Tgt Ion:202 Resp: 828501

Ion Ratio Lower Upper

202 100

200 22.7 17.4 26.2

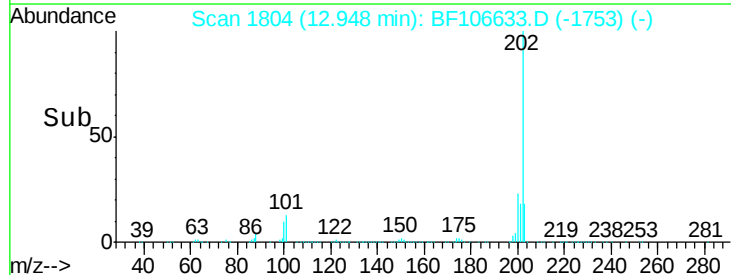
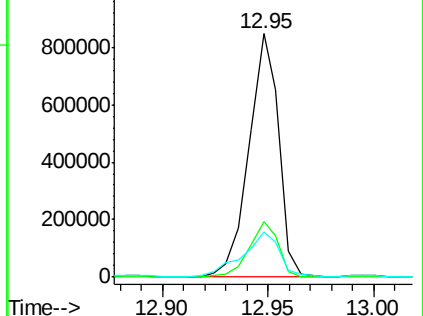
203 18.4 14.3 21.5

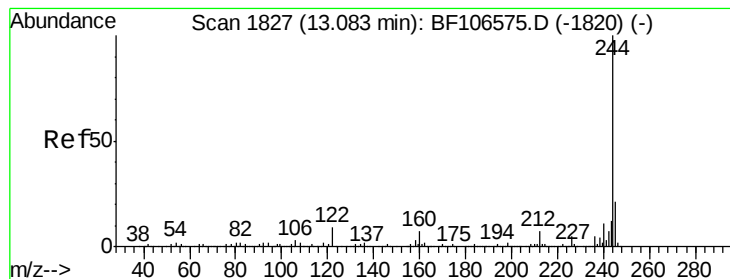


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 18.949 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF106633.D

Acq: 20 Jun 2018 21:28

Instrument :

BNA_F

ClientSampleId :

PL-01-061818-A

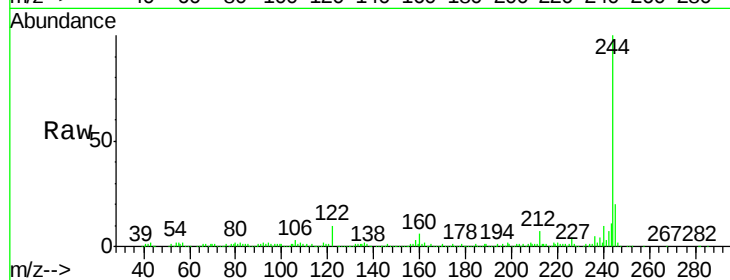
Tgt Ion:244 Resp: 218129

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

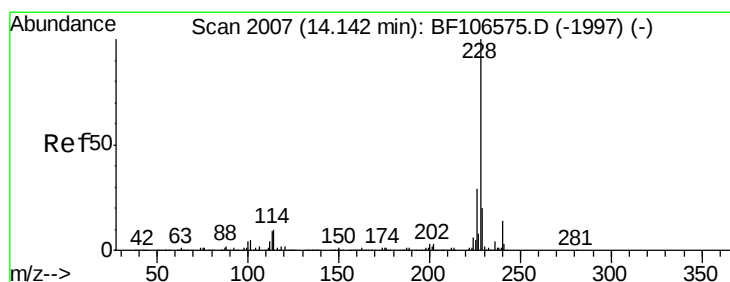
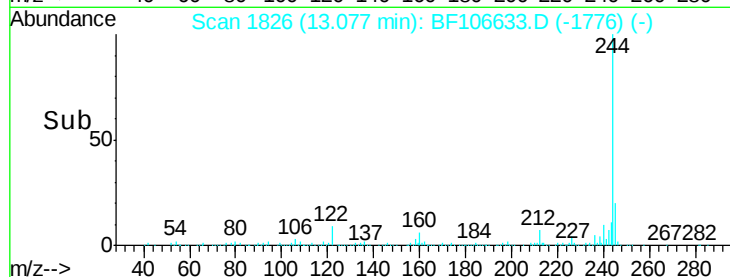
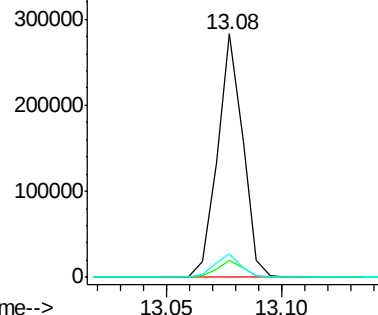
122 9.7 11.0 16.4#



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: 26.276 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF106633.D

Acq: 20 Jun 2018 21:28

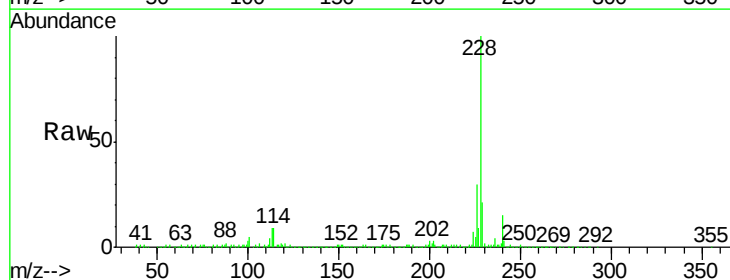
Tgt Ion:228 Resp: 446559

Ion Ratio Lower Upper

228 100

226 29.9 22.6 33.8

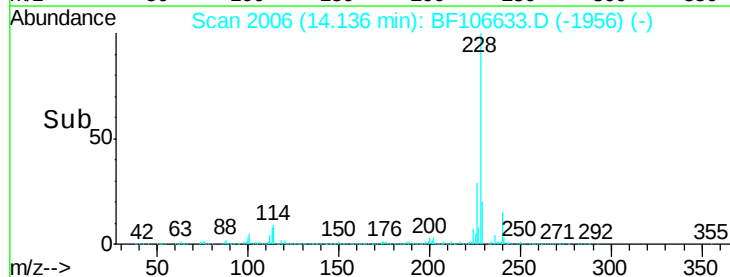
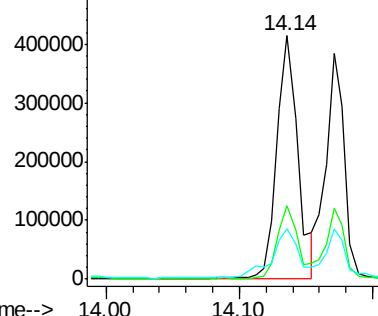
229 20.7 15.8 23.6

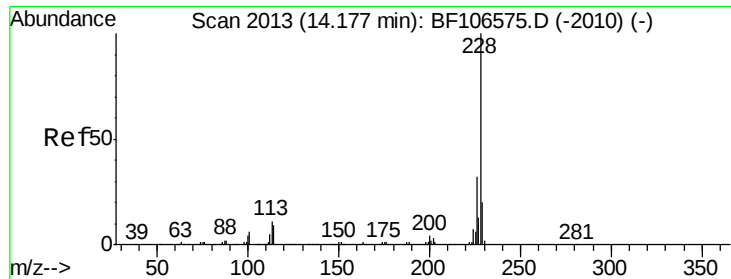


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 23.753 ng

RT: 14.17 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF106633.D

Acq: 20 Jun 2018 21:28

Instrument :

BNA_F

ClientSampleId :

PL-01-061818-A

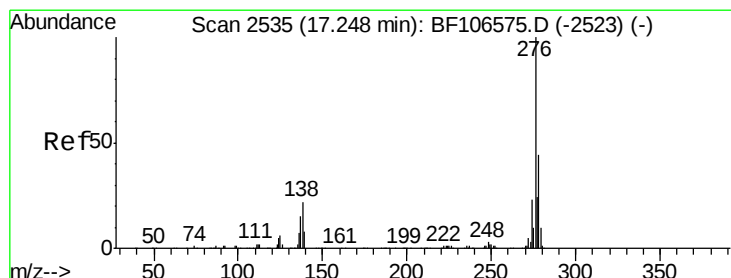
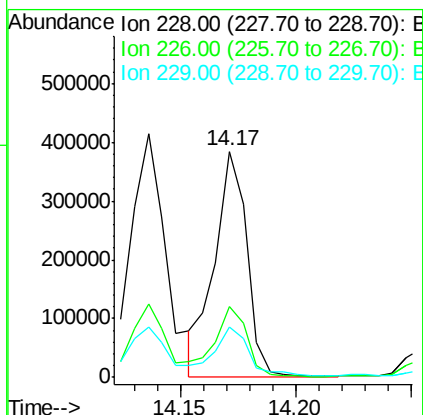
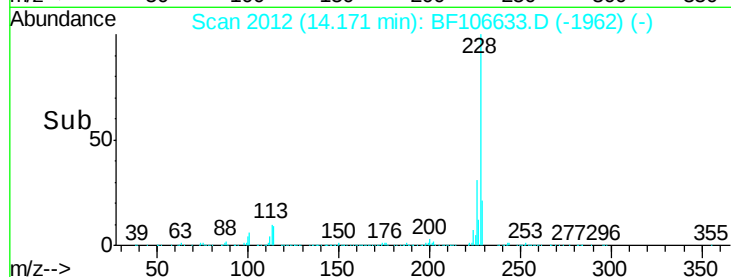
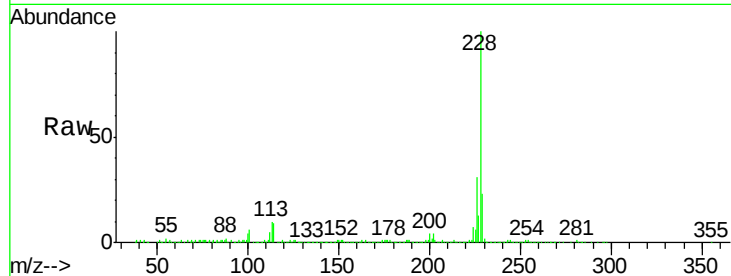
Tgt Ion:228 Resp: 371376

Ion Ratio Lower Upper

228 100

226 31.1 25.0 37.6

229 22.5 16.2 24.4



#85

Indeno(1,2,3-cd)pyrene

Concen: 11.633 ng

RT: 17.25 min Scan# 2535

Delta R.T. 0.00 min

Lab File: BF106633.D

Acq: 20 Jun 2018 21:28

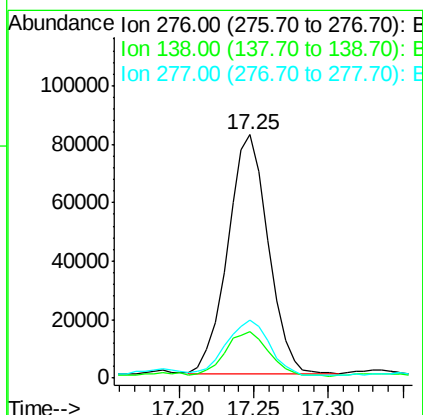
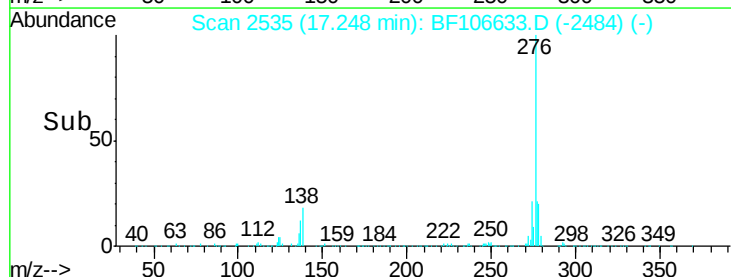
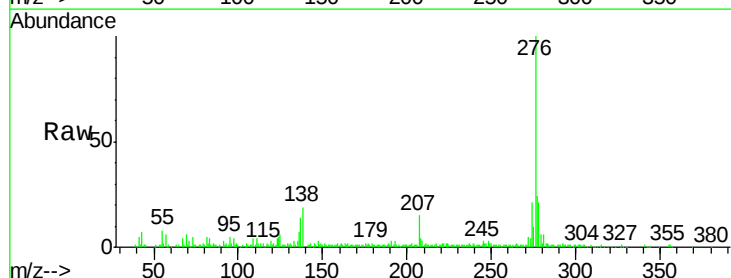
Tgt Ion:276 Resp: 154355

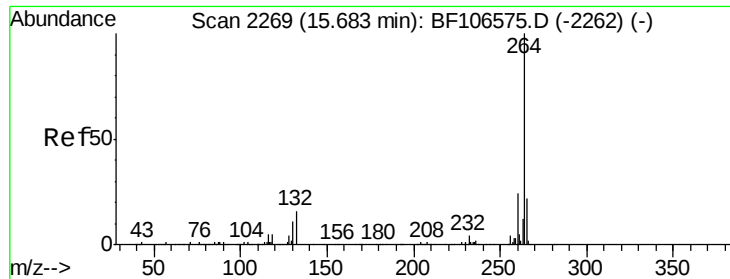
Ion Ratio Lower Upper

276 100

138 20.2 25.0 37.6#

277 25.1 20.1 30.1

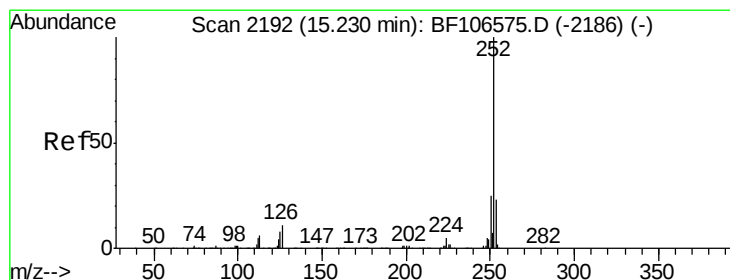
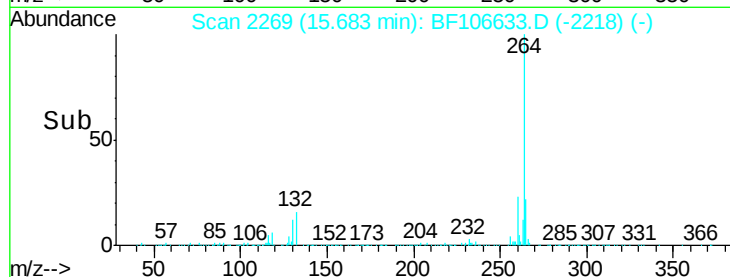
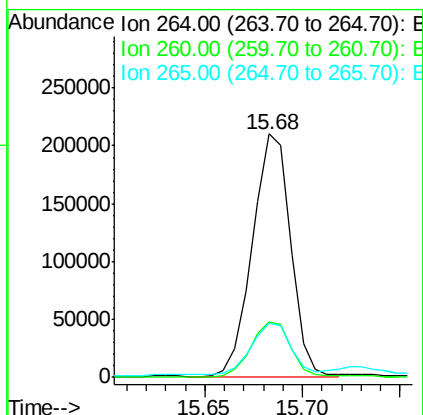
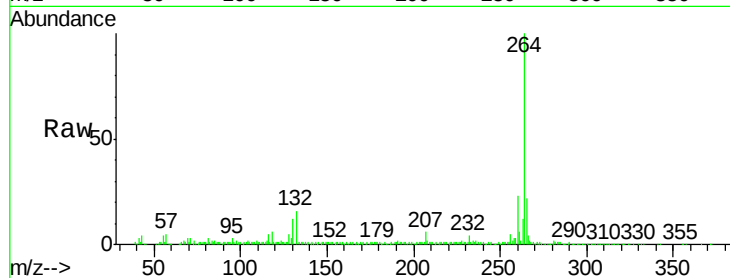




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. 0.00 min
Lab File: BF106633.D
Acq: 20 Jun 2018 21:28

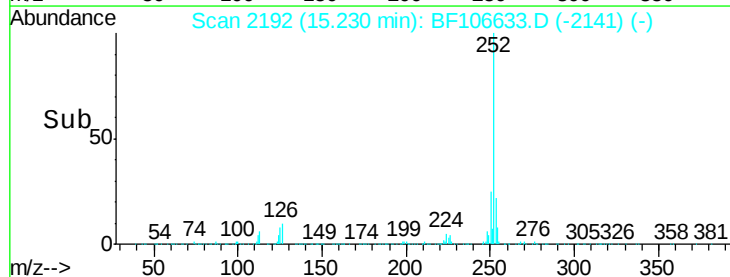
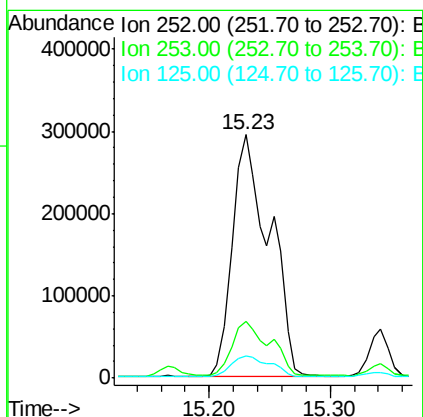
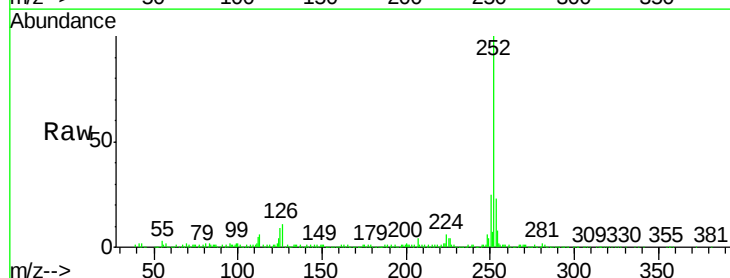
Instrument :
BNA_F
ClientSampleId :
PL-01-061818-A

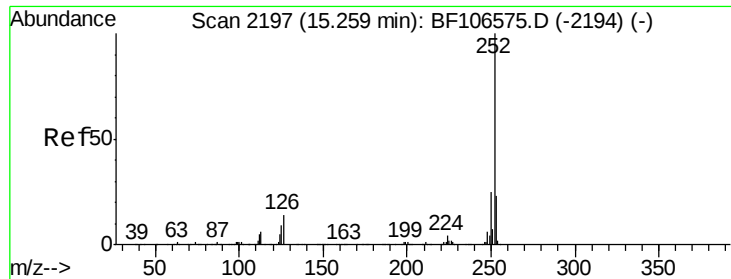
Tgt Ion:264 Resp: 284164
Ion Ratio Lower Upper
264 100
260 23.0 19.2 28.8
265 22.5 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 35.983 ng
RT: 15.23 min Scan# 2192
Delta R.T. 0.00 min
Lab File: BF106633.D
Acq: 20 Jun 2018 21:28

Tgt Ion:252 Resp: 635183
Ion Ratio Lower Upper
252 100
253 23.2 17.0 25.6
125 8.9 9.0 13.6#

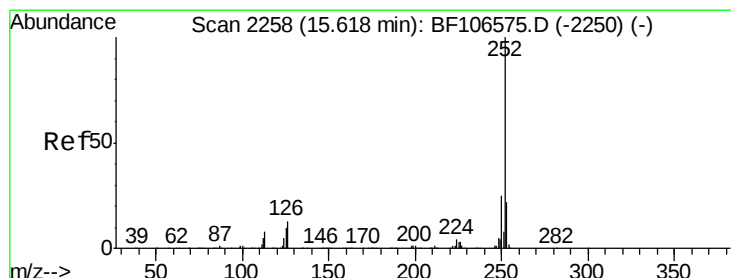
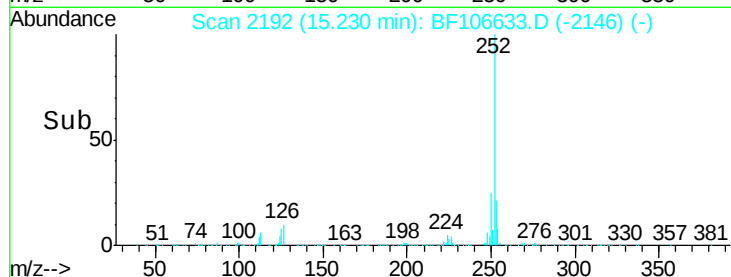
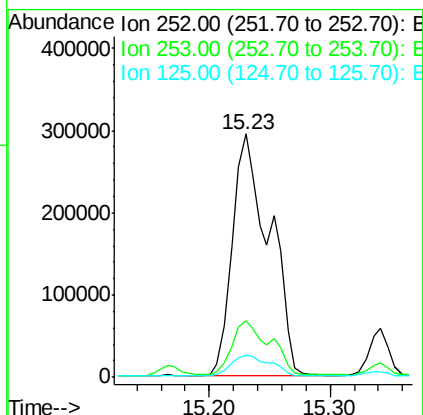
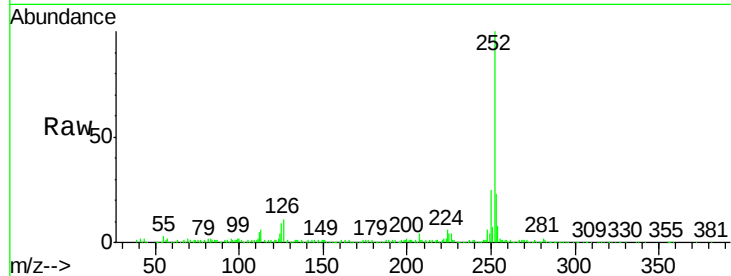




#88
Benzo(k)fluoranthene
Concen: 37.786 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BF106633.D
Acq: 20 Jun 2018 21:28

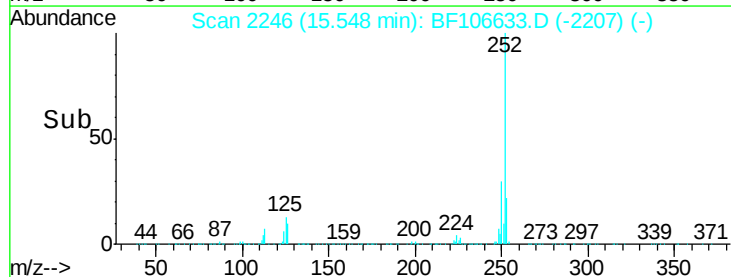
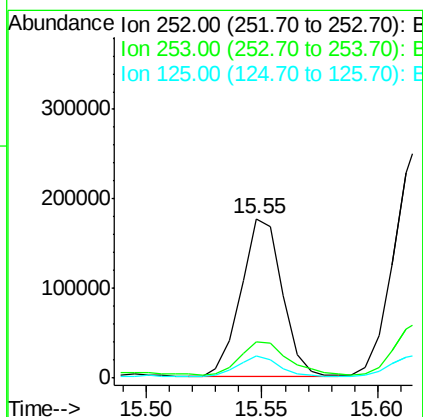
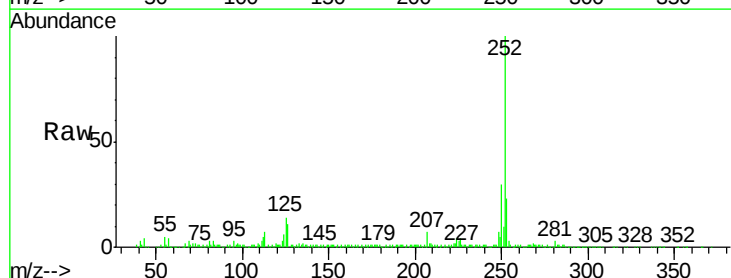
Instrument :
BNA_F
ClientSampleId :
PL-01-061818-A

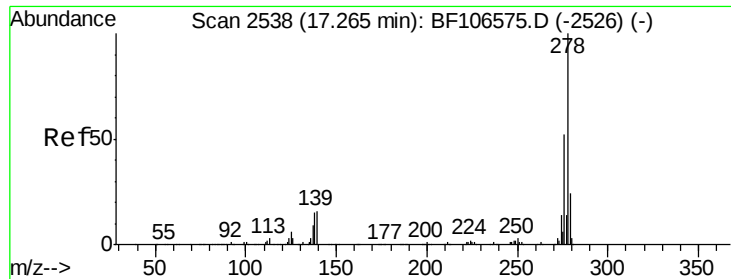
Tgt Ion:252 Resp: 635183
Ion Ratio Lower Upper
252 100
253 23.2 17.9 26.9
125 8.9 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 14.109 ng
RT: 15.55 min Scan# 2246
Delta R.T. -0.07 min
Lab File: BF106633.D
Acq: 20 Jun 2018 21:28

Tgt Ion:252 Resp: 221408
Ion Ratio Lower Upper
252 100
253 22.9 17.1 25.7
125 14.0 9.8 14.6





#90

Dibenzo(a,h)anthracene

Concen: 2.483 ng

RT: 17.44 min Scan# 2567

Delta R.T. 0.17 min

Lab File: BF106633.D

Acq: 20 Jun 2018 21:28

Instrument :

BNA_F

ClientSampleId :

PL-01-061818-A

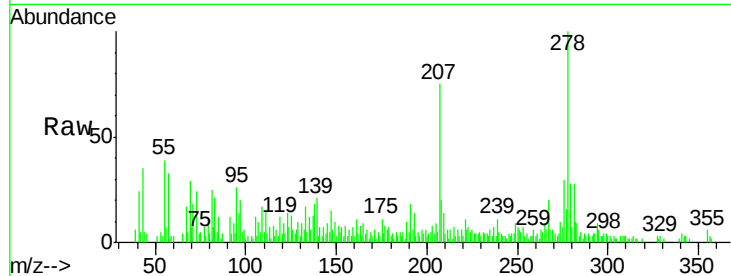
Tgt Ion: 278 Resp: 33018

Ion Ratio Lower Upper

278 100

139 20.7 15.9 23.9

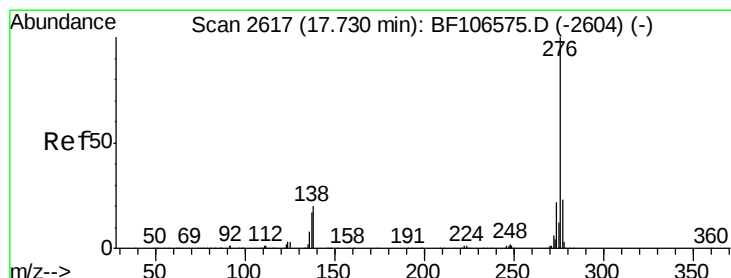
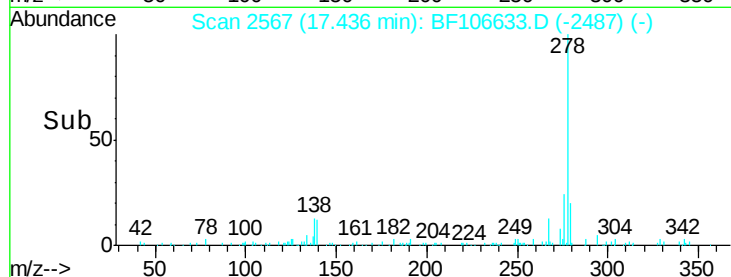
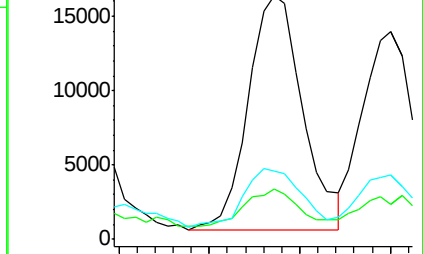
279 28.0 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 10.918 ng

RT: 17.72 min Scan# 2616

Delta R.T. -0.01 min

Lab File: BF106633.D

Acq: 20 Jun 2018 21:28

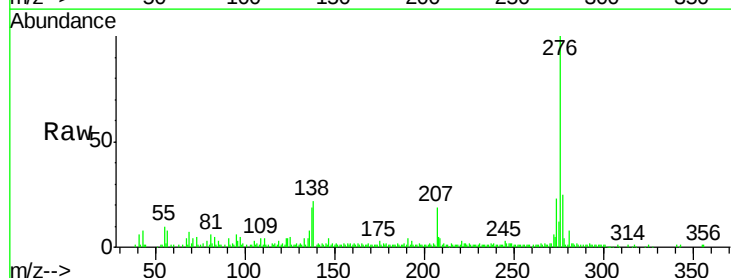
Tgt Ion: 276 Resp: 141927

Ion Ratio Lower Upper

276 100

277 25.0 17.9 26.9

138 21.5 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

