

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070218\
 Data File : BF107037.D
 Acq On : 2 Jul 2018 11:56
 Operator : JU/SJ
 Sample : J3749-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ZER-BOLLARD-1-2

Quant Time: Jul 02 13:52:53 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 14:38:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	61108	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	230246	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	104012	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	195772	20.00	ng	0.00
75) Chrysene-d12	14.15	240	184260	20.00	ng	-0.01
86) Perylene-d12	15.71	264	130641	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	70731	19.60	ng	0.00
7) Phenol-d6	6.60	99	116273	25.80	ng	-0.01
23) Nitrobenzene-d5	7.52	82	70470	17.01	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	12280	10.19	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	149054	11.50	ng	-0.02
78) Terphenyl-d14	13.08	244	169719	22.31	ng	0.00

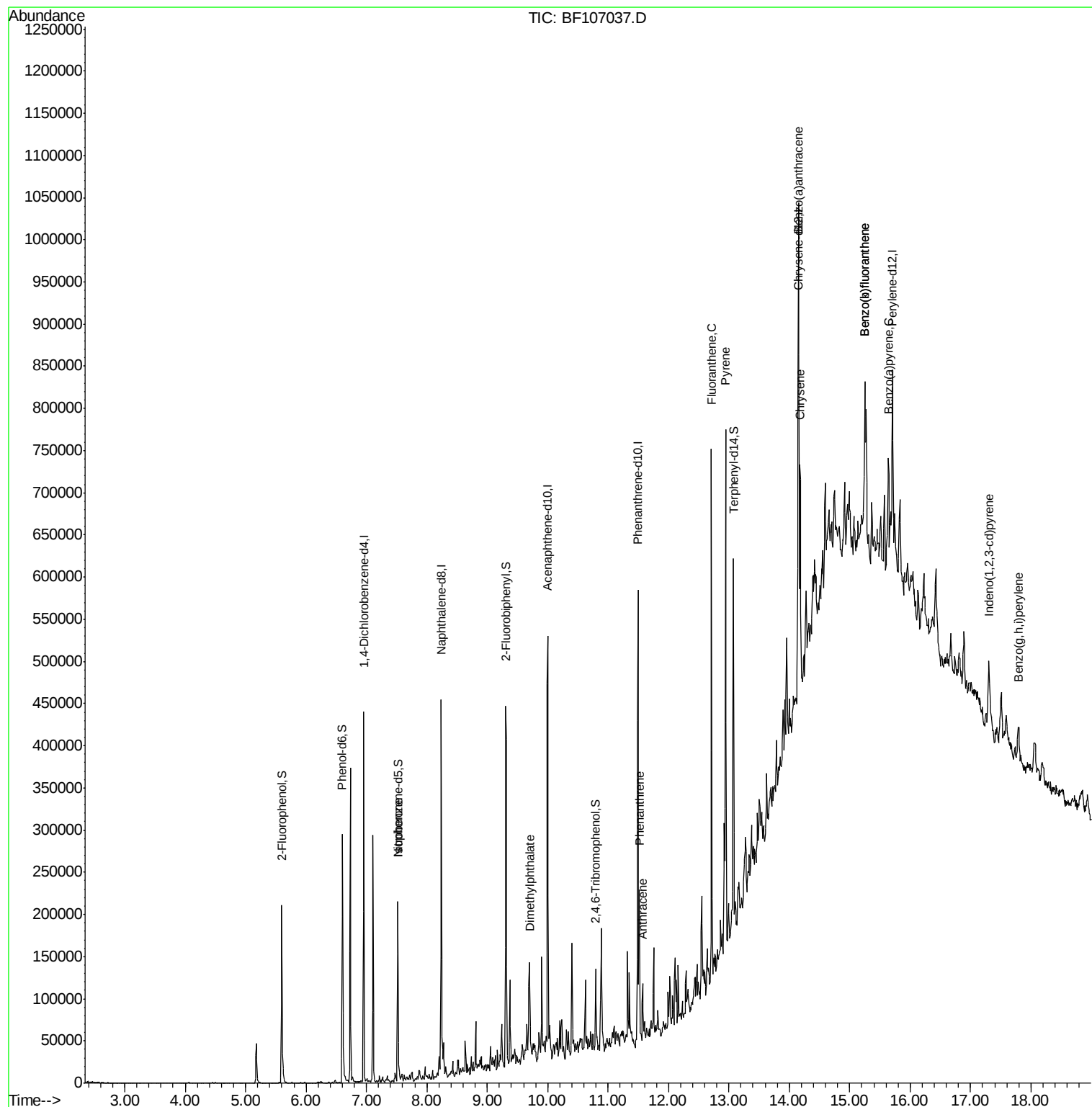
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.52	82	70469	9.652	ng	# 65
49) Dimethylphthalate	9.71	163	29548	3.788	ng	# 98
70) Phenanthrene	11.52	178	60382	6.395	ng	98
71) Anthracene	11.57	178	24407	2.532	ng	100
74) Fluoranthene	12.71	202	254633	24.466	ng	95
77) Pyrene	12.95	202	257570	21.198	ng	98
80) Benzo(a)anthracene	14.14	228	129929	11.570	ng	97
82) Chrysene	14.18	228	123026	11.908	ng	97
85) Indeno(1,2,3-cd)pyrene	17.30	276	37620	4.291	ng	# 87
87) Benzo(b)fluoranthene	15.25	252	148773	18.332	ng	# 89
88) Benzo(k)fluoranthene	15.25	252	148773	19.251	ng	# 92
89) Benzo(a)pyrene	15.64	252	71009	9.843	ng	# 92
91) Benzo(g,h,i)perylene	17.79	276	37854	6.334	ng	# 88

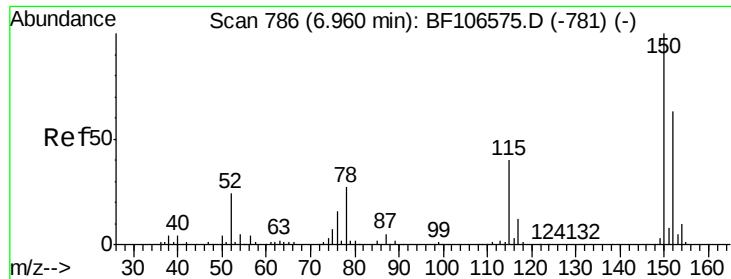
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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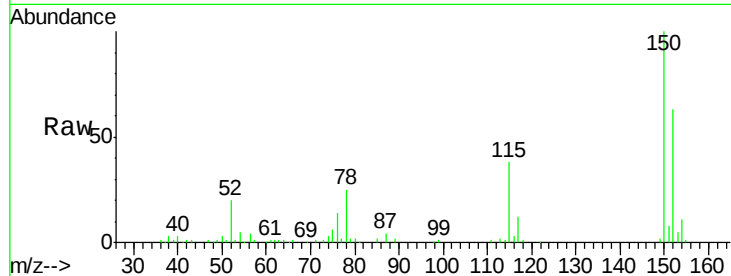




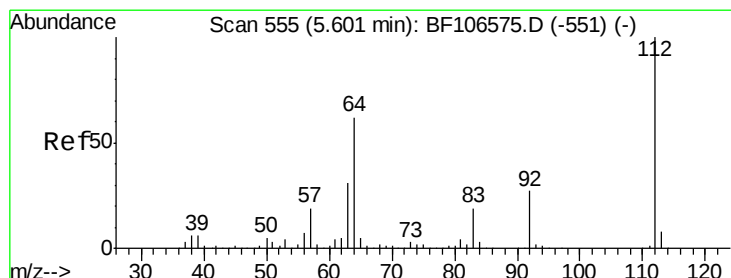
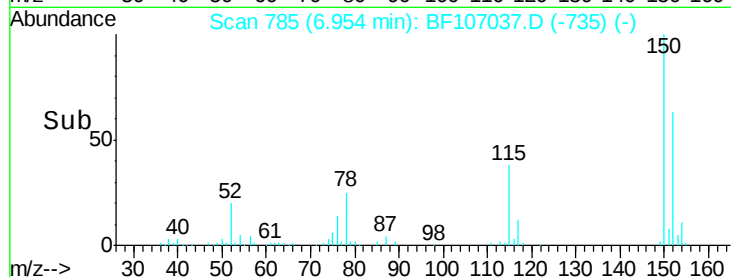
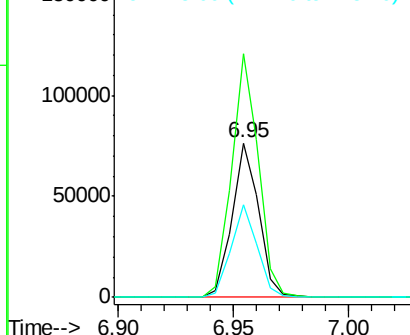
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF107037.D
 Acq: 2 Jul 2018 11:56

Instrument :
 BNA_F
 ClientSampleId :
 ZER-BOLLARD-1-2

Tgt Ion:152 Resp: 61108
 Ion Ratio Lower Upper
 152 100
 150 158.1 124.6 186.8
 115 59.9 50.1 75.1

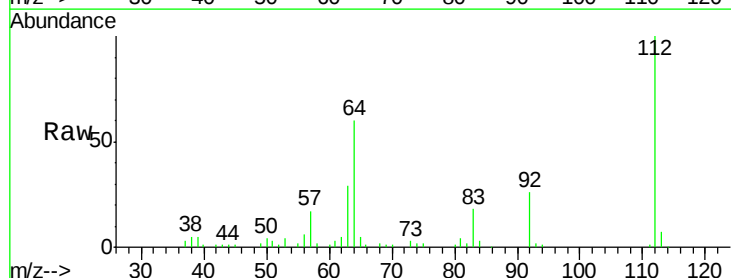


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

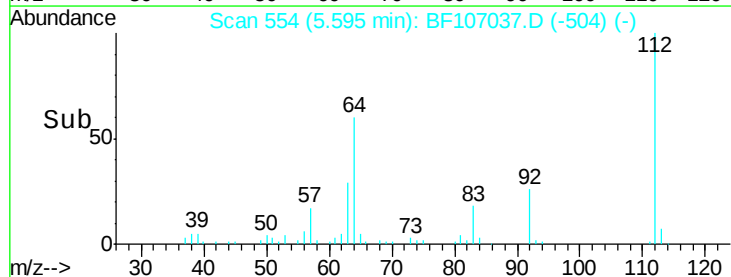
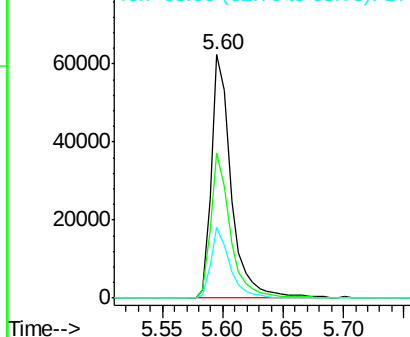


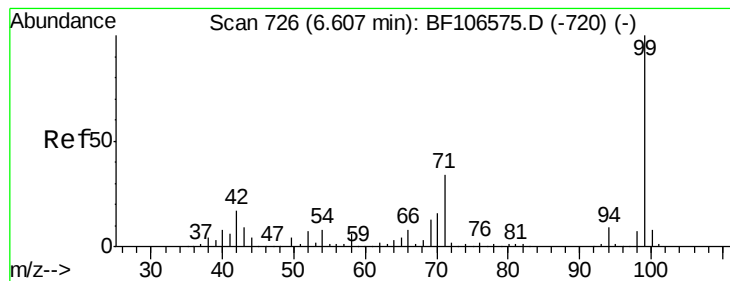
#5
 2-Fluorophenol
 Concen: 19.600 ng
 RT: 5.60 min Scan# 554
 Delta R.T. -0.01 min
 Lab File: BF107037.D
 Acq: 2 Jul 2018 11:56

Tgt Ion:112 Resp: 70731
 Ion Ratio Lower Upper
 112 100
 64 59.8 47.9 71.9
 63 28.9 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: 25.800 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107037.D

Acq: 2 Jul 2018 11:56

Instrument :

BNA_F

ClientSampleId :

ZER-BOLLARD-1-2

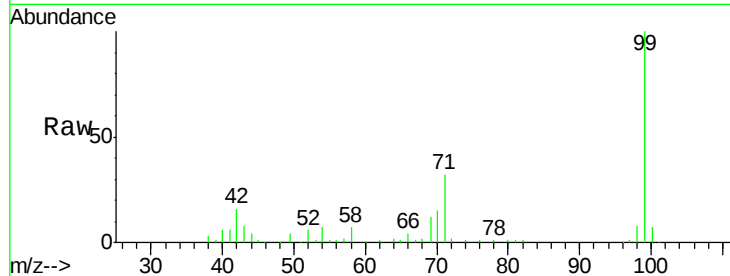
Tgt Ion: 99 Resp: 116273

Ion Ratio Lower Upper

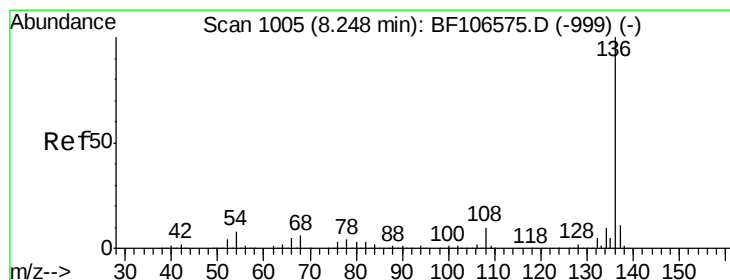
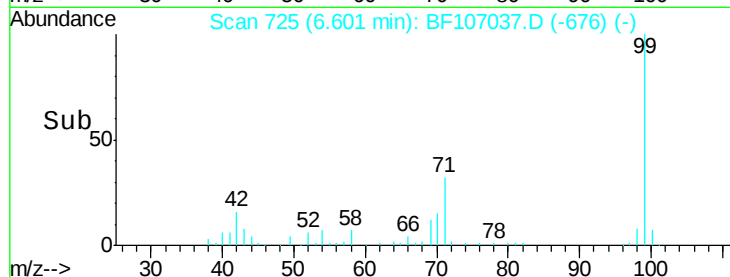
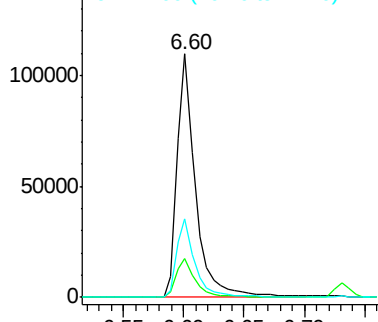
99 100

42 15.8 14.5 21.7

71 32.0 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF107037.D

Acq: 2 Jul 2018 11:56

Tgt Ion: 136 Resp: 230246

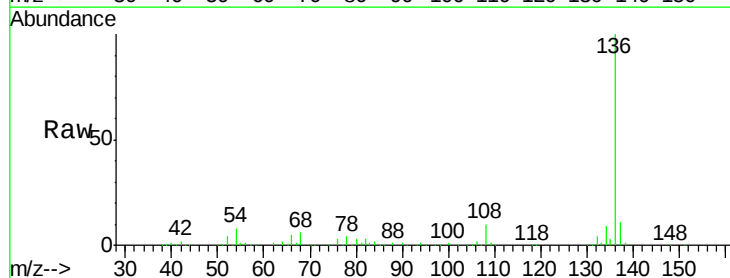
Ion Ratio Lower Upper

136 100

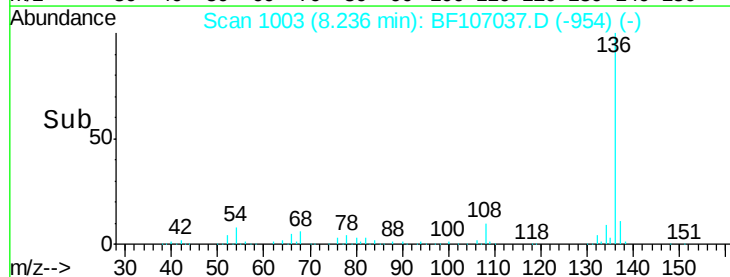
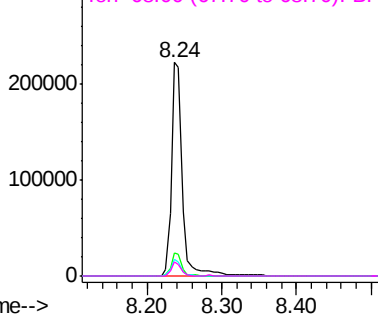
137 10.8 8.9 13.3

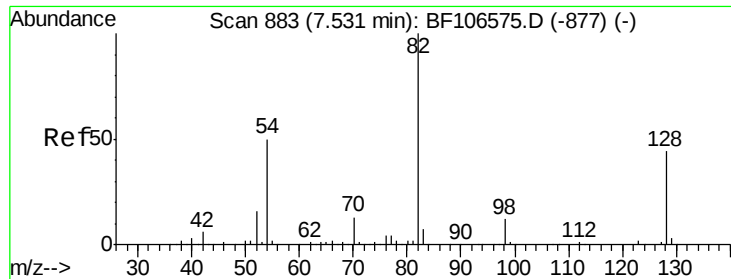
54 8.1 6.6 9.8

68 6.4 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

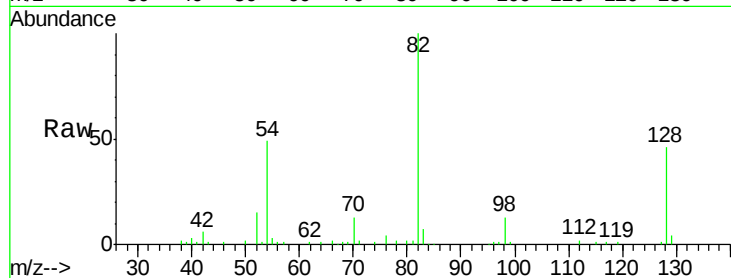




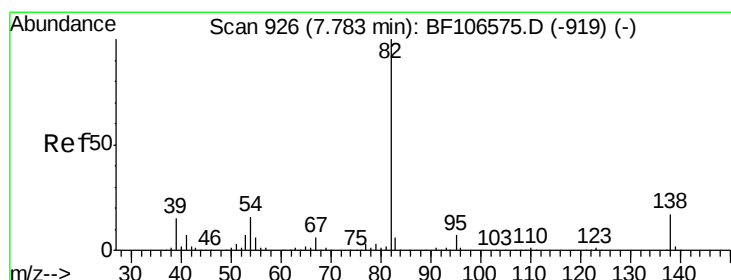
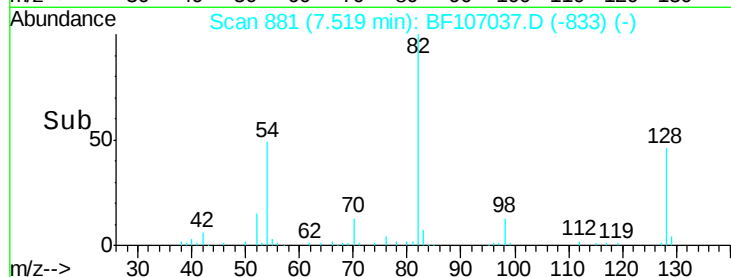
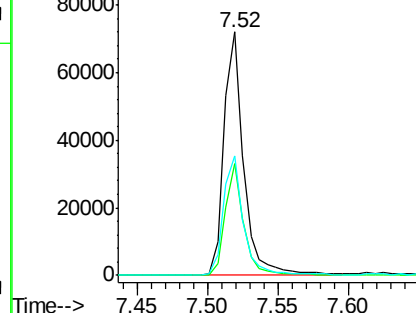
#23
 Nitrobenzene-d5
 Concen: 17.009 ng
 RT: 7.52 min Scan# 881
 Delta R.T. -0.02 min
 Lab File: BF107037.D
 Acq: 2 Jul 2018 11:56

Instrument :
 BNA_F
 ClientSampleId :
 ZER-BOLLARD-1-2

Tgt Ion: 82 Resp: 70470
 Ion Ratio Lower Upper
 82 100
 128 45.8 36.1 54.1
 54 49.3 41.4 62.2

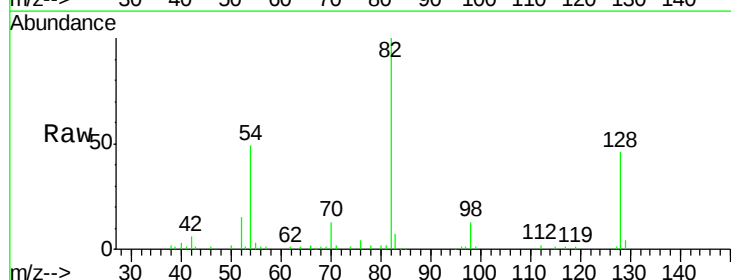


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

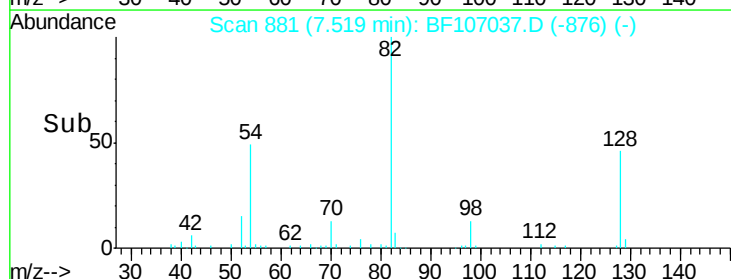
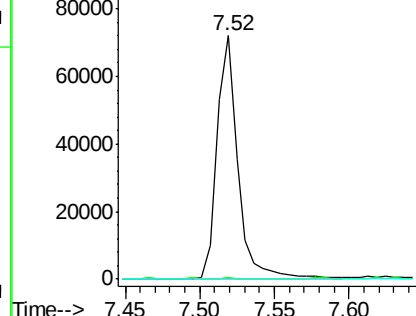


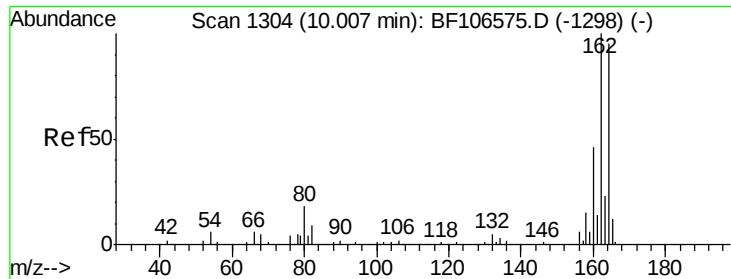
#25
 Isophorone
 Concen: 9.652 ng
 RT: 7.52 min Scan# 881
 Delta R.T. -0.27 min
 Lab File: BF107037.D
 Acq: 2 Jul 2018 11:56

Tgt Ion: 82 Resp: 70469
 Ion Ratio Lower Upper
 82 100
 95 0.5 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

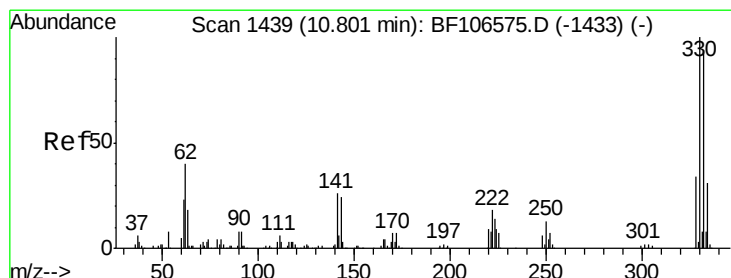
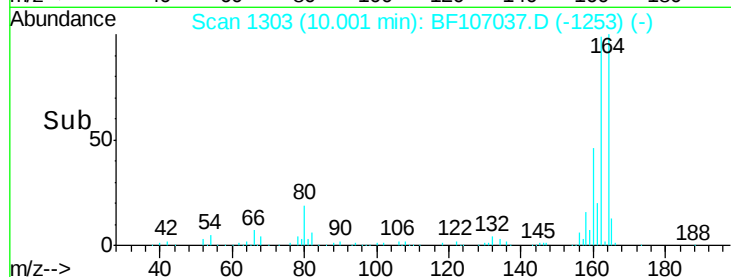
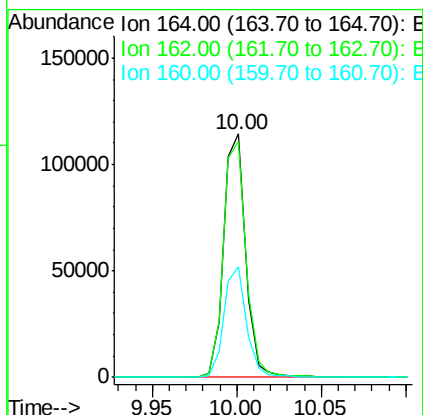
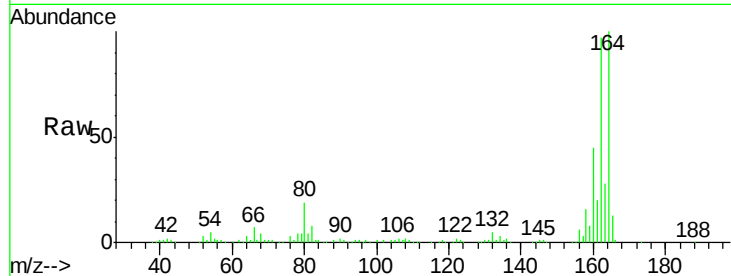




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF107037.D
Acq: 2 Jul 2018 11:56

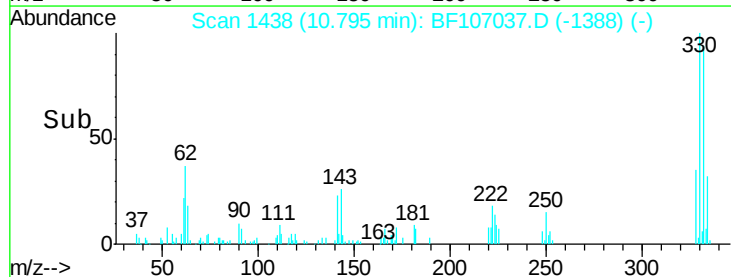
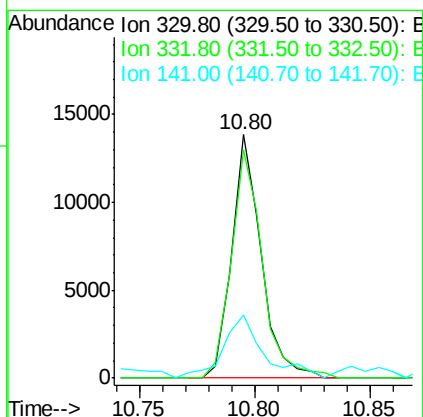
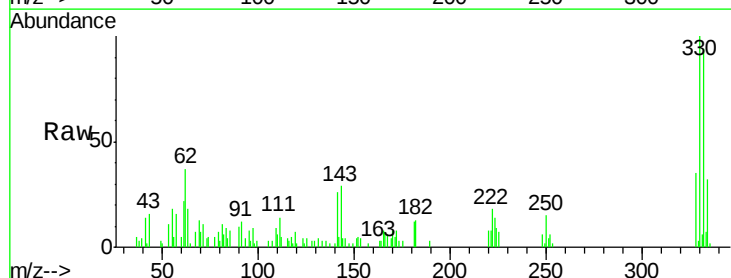
Instrument :
BNA_F
ClientSampleId :
ZER-BOLLARD-1-2

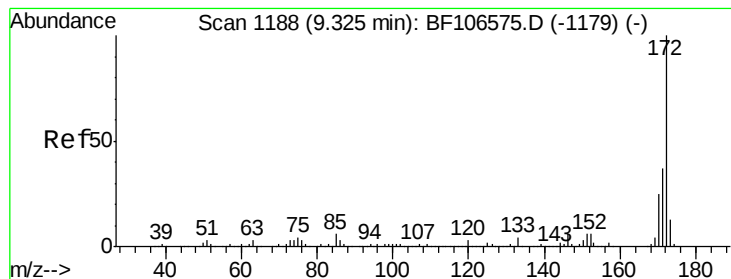
Tgt Ion:164 Resp: 104012
Ion Ratio Lower Upper
164 100
162 96.9 86.1 129.1
160 45.2 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 10.186 ng
RT: 10.80 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF107037.D
Acq: 2 Jul 2018 11:56

Tgt Ion:330 Resp: 12280
Ion Ratio Lower Upper
330 100
332 99.4 77.0 115.6
141 35.5 29.9 44.9





#44

2-Fluorobiphenyl

Concen: 11.501 ng

RT: 9.31 min Scan# 1185

Delta R.T. -0.02 min

Lab File: BF107037.D

Acq: 2 Jul 2018 11:56

Instrument :

BNA_F

ClientSampleId :

ZER-BOLLARD-1-2

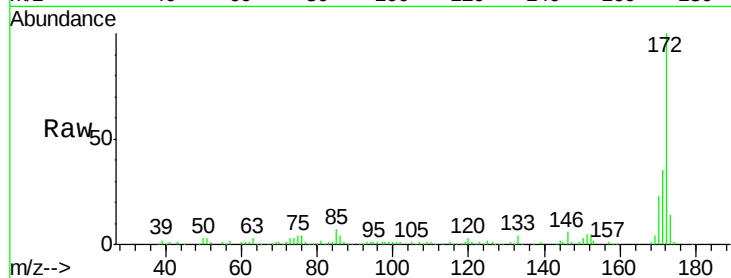
Tgt Ion:172 Resp: 149054

Ion Ratio Lower Upper

172 100

171 34.8 29.7 44.5

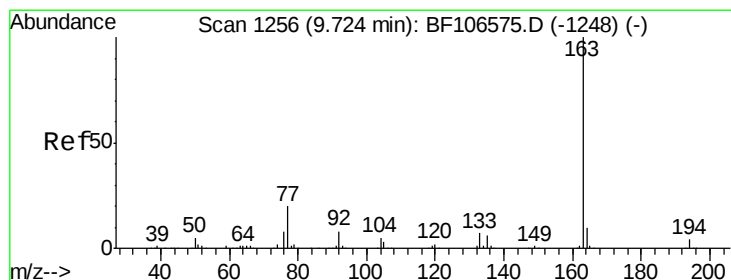
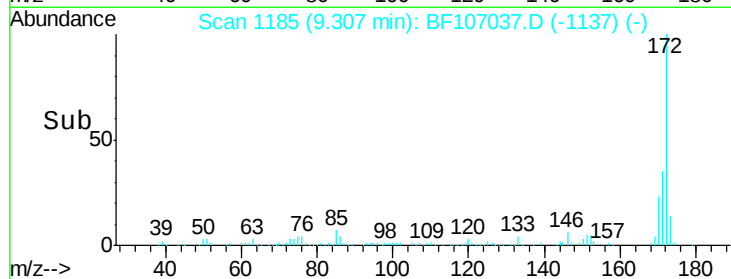
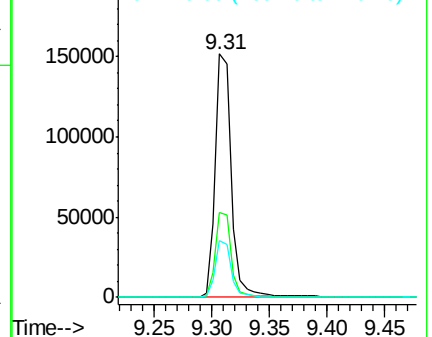
170 23.3 19.6 29.4



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: 3.788 ng

RT: 9.71 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF107037.D

Acq: 2 Jul 2018 11:56

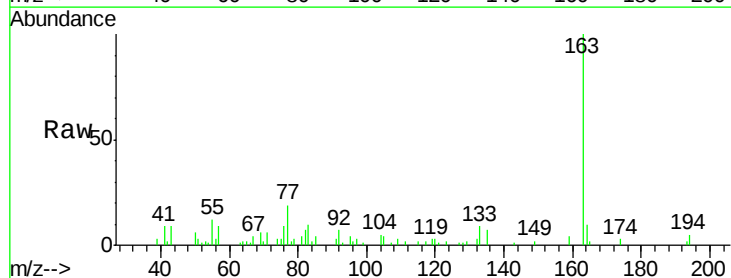
Tgt Ion:163 Resp: 29548

Ion Ratio Lower Upper

163 100

194 4.8 2.7 4.1#

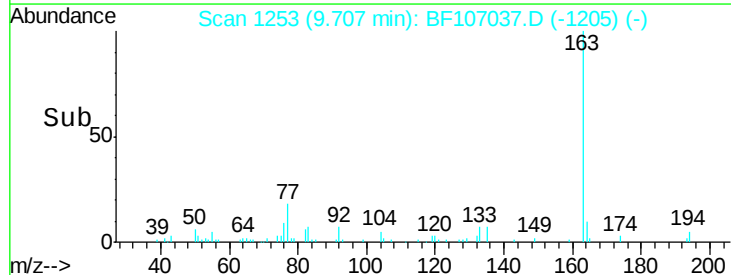
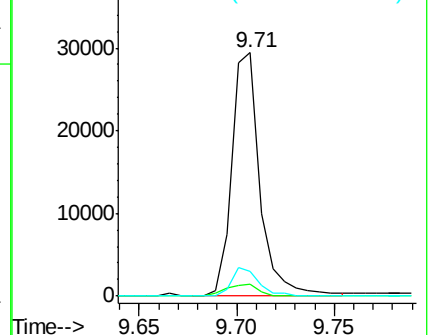
164 9.9 8.2 12.2

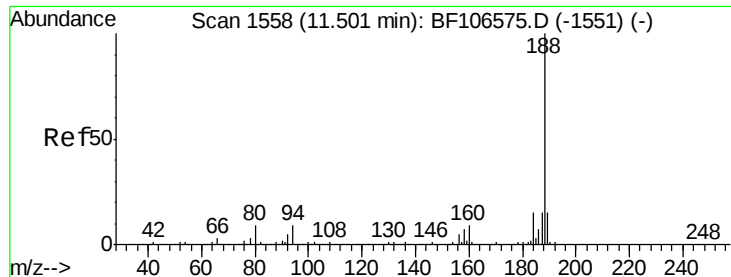


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

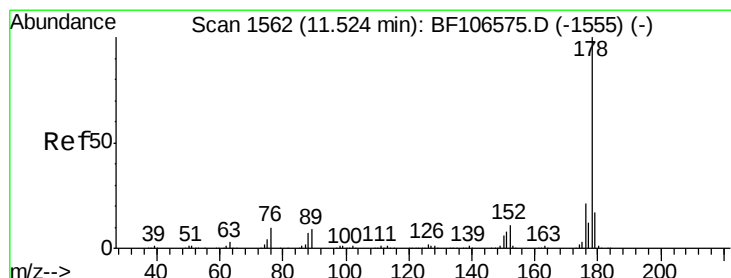
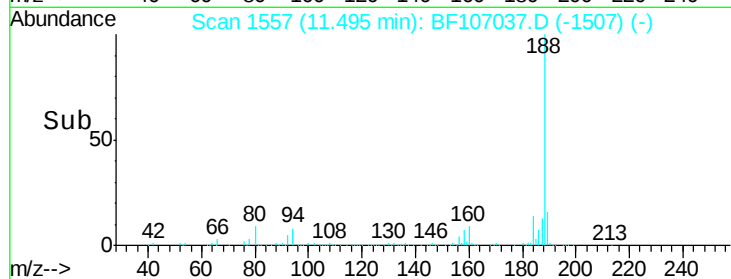
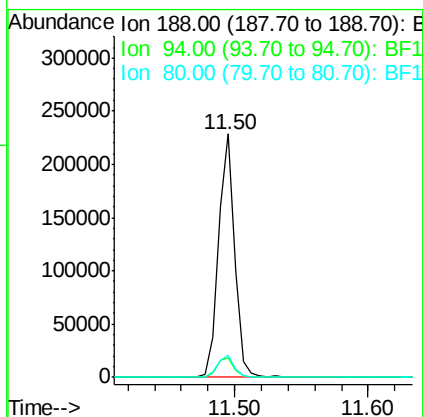
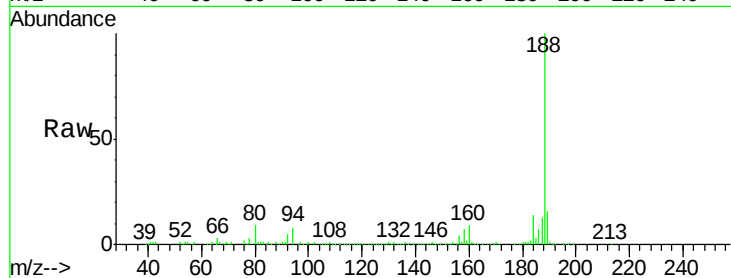




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF107037.D
Acq: 2 Jul 2018 11:56

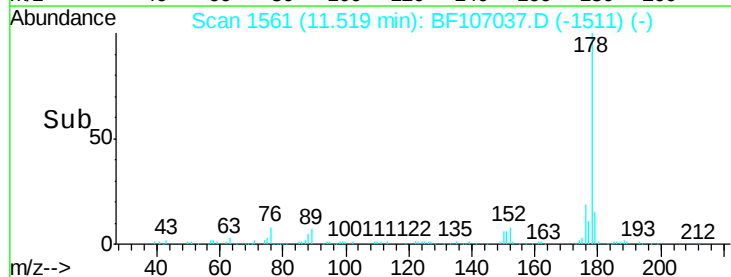
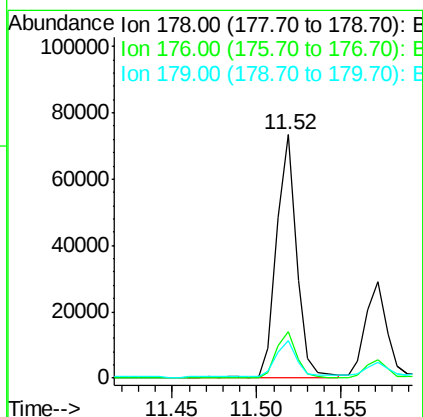
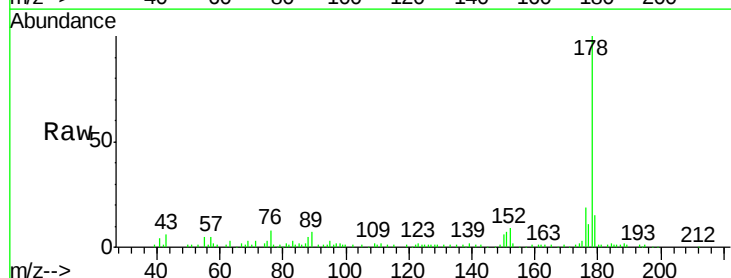
Instrument :
BNA_F
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ZER-BOLLARD-1-2

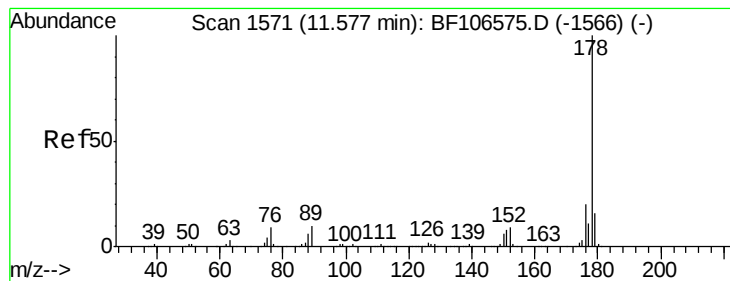
Tgt Ion:188 Resp: 195772
Ion Ratio Lower Upper
188 100
94 7.9 8.5 12.7#
80 8.9 9.2 13.8#



#70
Phenanthrene
Concen: 6.395 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF107037.D
Acq: 2 Jul 2018 11:56

Tgt Ion:178 Resp: 60382
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.8
179 15.2 13.0 19.6





#71

Anthracene

Concen: 2.532 ng

RT: 11.57 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BF107037.D

Acq: 2 Jul 2018 11:56

Instrument :

BNA_F

ClientSampleId :

ZER-BOLLARD-1-2

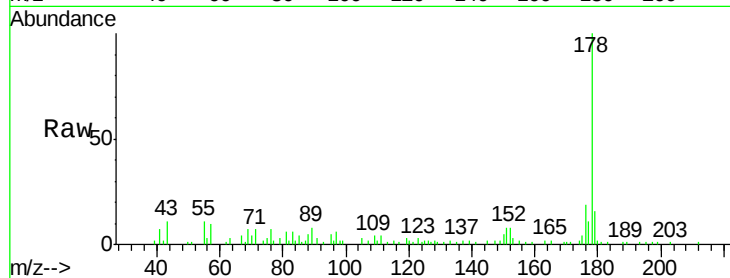
Tgt Ion:178 Resp: 24407

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

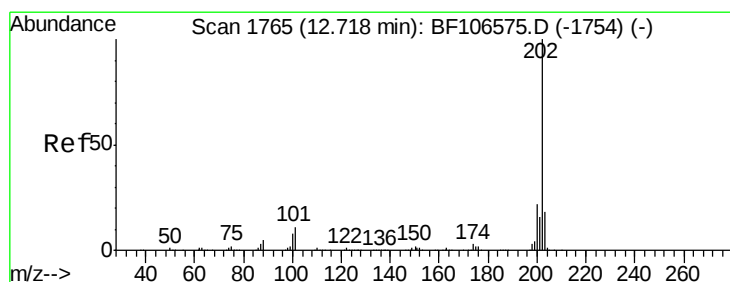
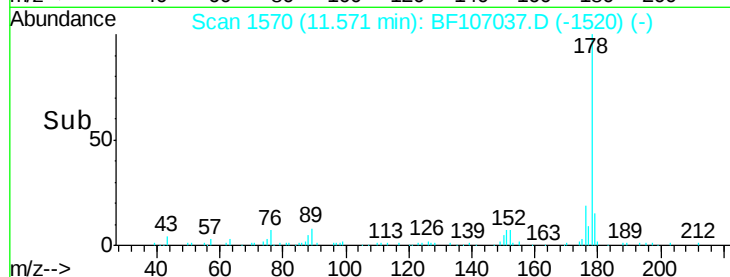
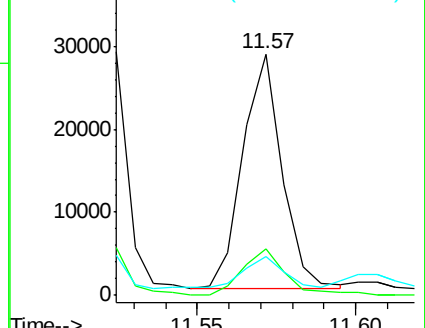
179 15.9 12.6 19.0



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: 24.466 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF107037.D

Acq: 2 Jul 2018 11:56

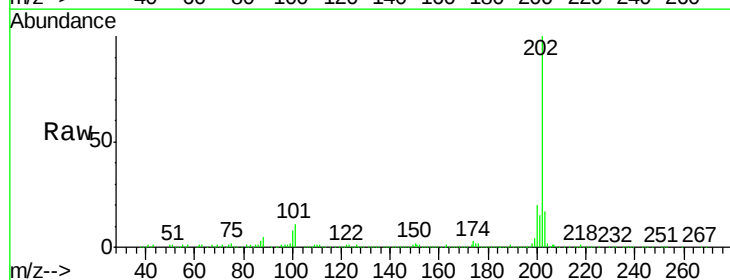
Tgt Ion:202 Resp: 254633

Ion Ratio Lower Upper

202 100

101 10.7 0.0 34.1

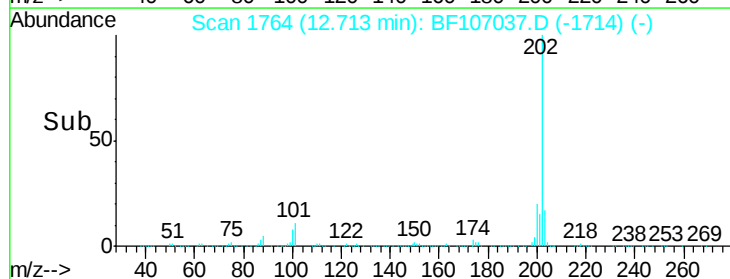
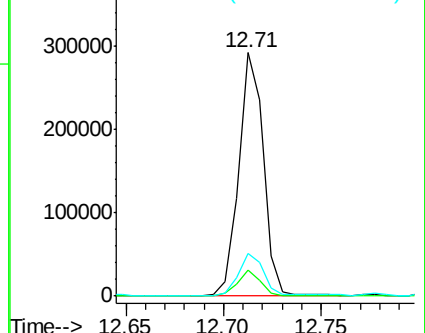
203 17.3 0.0 38.1

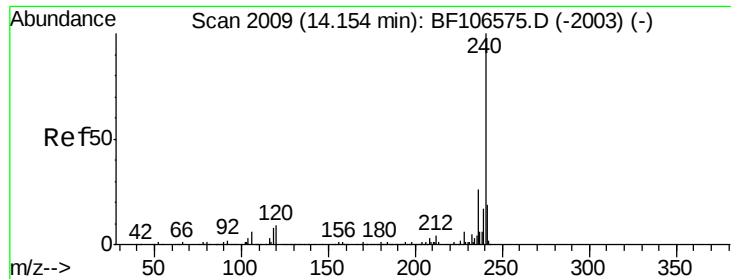


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2009

Delta R.T. -0.01 min

Lab File: BF107037.D

Acq: 2 Jul 2018 11:56

Instrument :

BNA_F

ClientSampleId :

ZER-BOLLARD-1-2

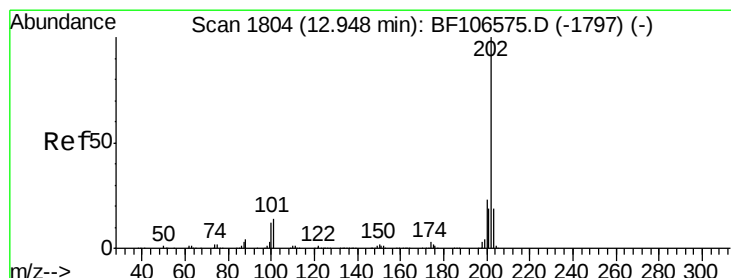
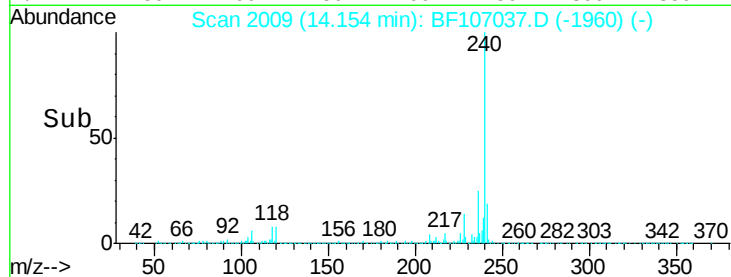
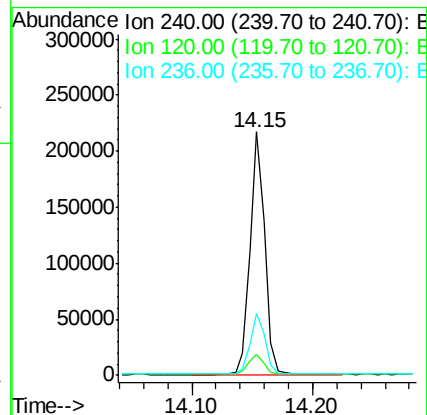
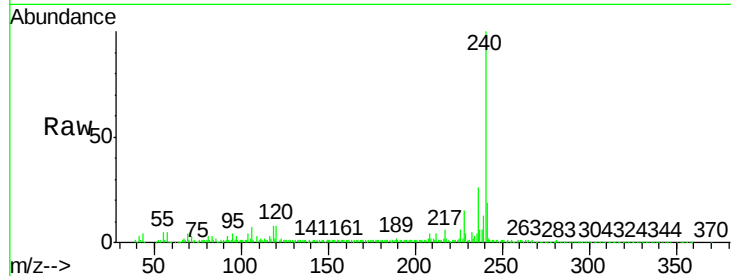
Tgt Ion:240 Resp: 184260

Ion Ratio Lower Upper

240 100

120 8.4 9.5 14.3#

236 25.5 20.7 31.1



#77

Pyrene

Concen: 21.198 ng

RT: 12.95 min Scan# 1804

Delta R.T. -0.00 min

Lab File: BF107037.D

Acq: 2 Jul 2018 11:56

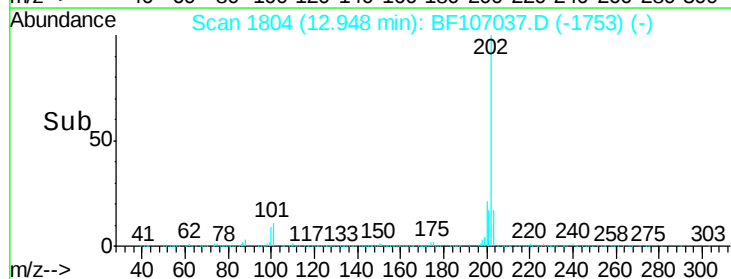
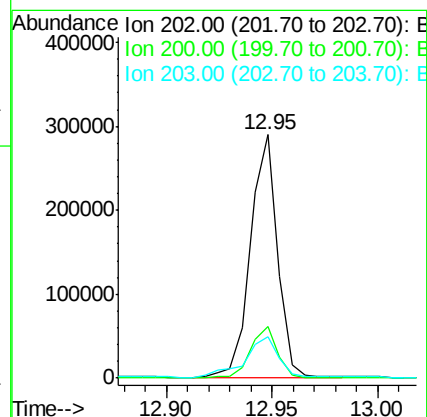
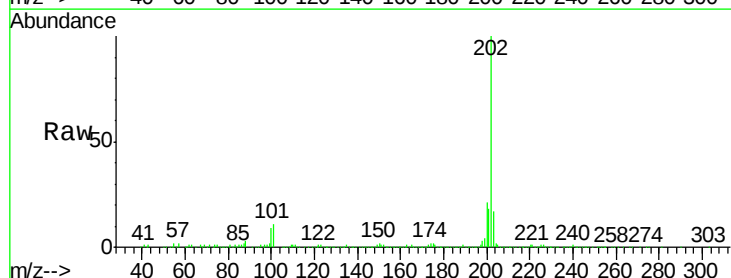
Tgt Ion:202 Resp: 257570

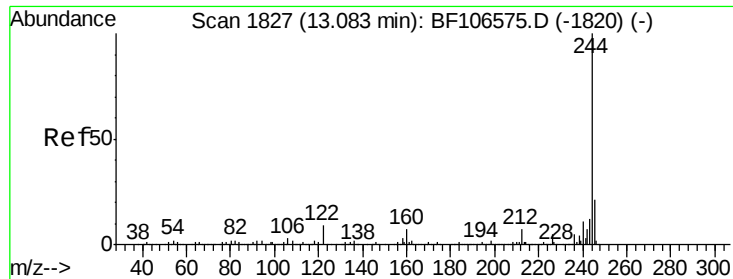
Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

203 17.2 14.3 21.5





#78

Terphenyl-d14

Concen: 22.311 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF107037.D

Acq: 2 Jul 2018 11:56

Instrument :

BNA_F

ClientSampleId :

ZER-BOLLARD-1-2

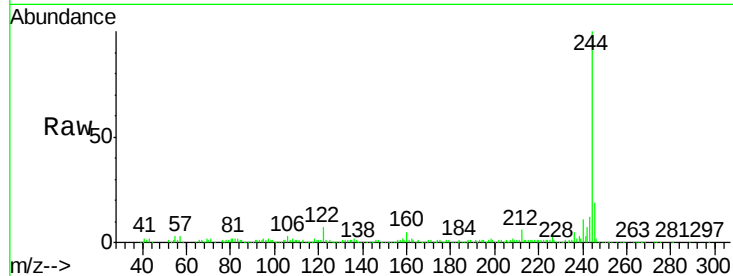
Tgt Ion:244 Resp: 169719

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

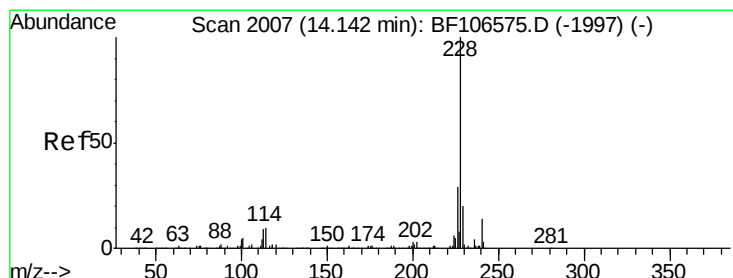
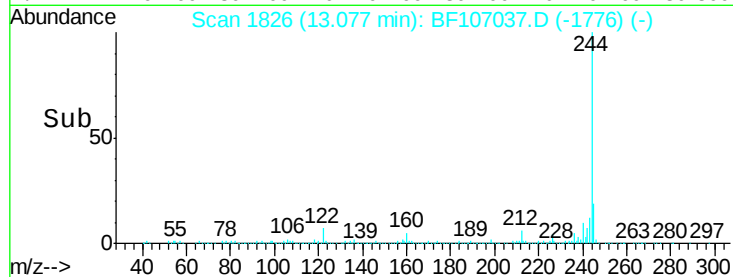
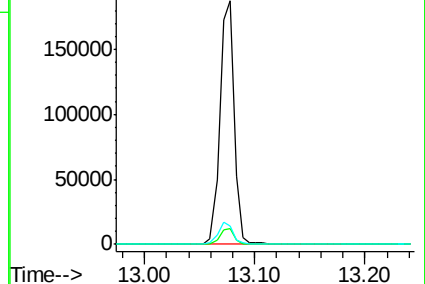
122 7.4 11.0 16.4#



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: 11.570 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF107037.D

Acq: 2 Jul 2018 11:56

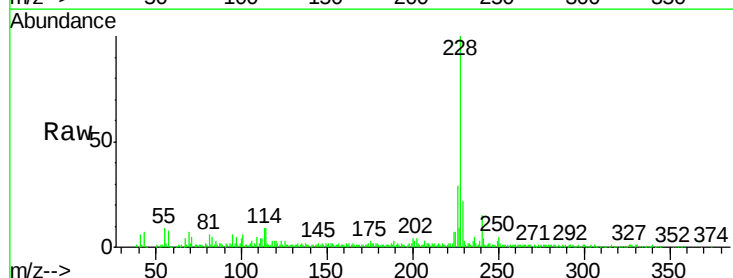
Tgt Ion:228 Resp: 129929

Ion Ratio Lower Upper

228 100

226 28.8 22.6 33.8

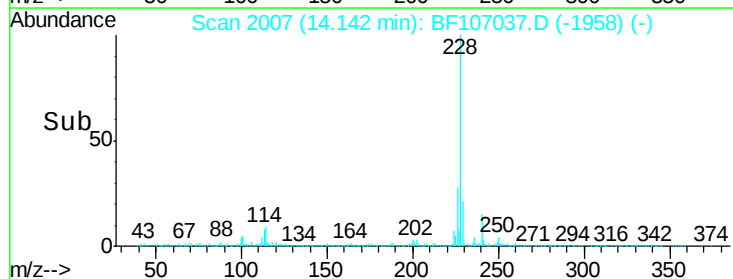
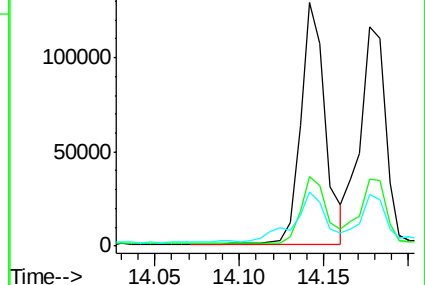
229 22.3 15.8 23.6

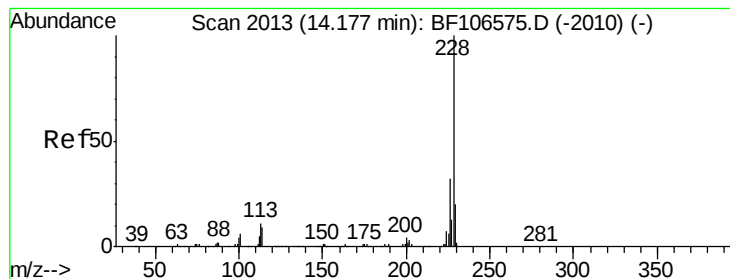


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 11.908 ng

RT: 14.18 min Scan# 2013

Delta R.T. -0.02 min

Lab File: BF107037.D

Acq: 2 Jul 2018 11:56

Instrument :

BNA_F

ClientSampleId :

ZER-BOLLARD-1-2

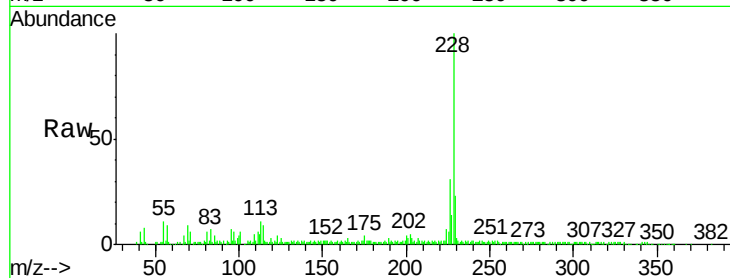
Tgt Ion:228 Resp: 123026

Ion Ratio Lower Upper

228 100

226 30.8 25.0 37.6

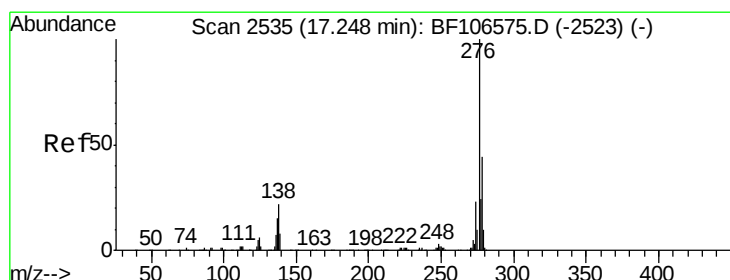
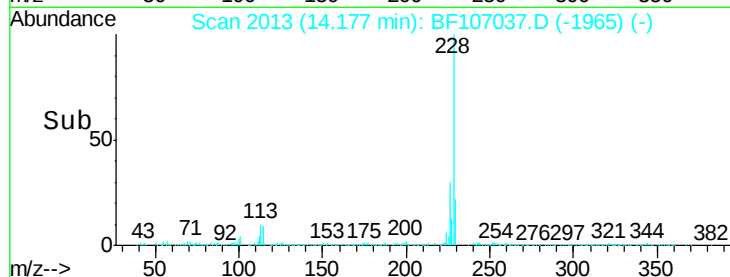
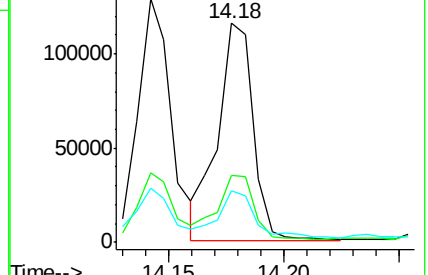
229 23.3 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.291 ng

RT: 17.30 min Scan# 2544

Delta R.T. -0.01 min

Lab File: BF107037.D

Acq: 2 Jul 2018 11:56

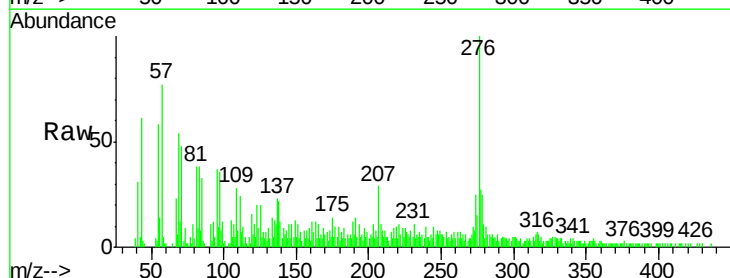
Tgt Ion:276 Resp: 37620

Ion Ratio Lower Upper

276 100

138 18.9 25.0 37.6#

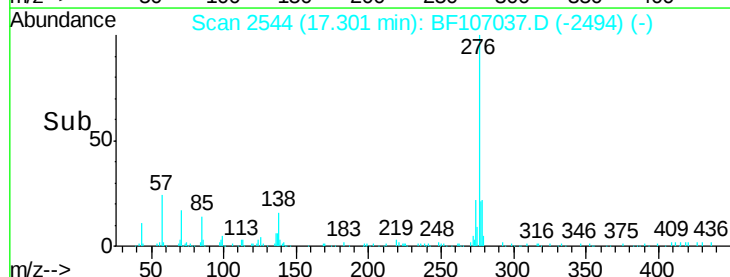
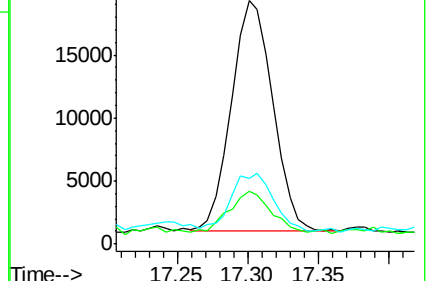
277 25.6 20.1 30.1

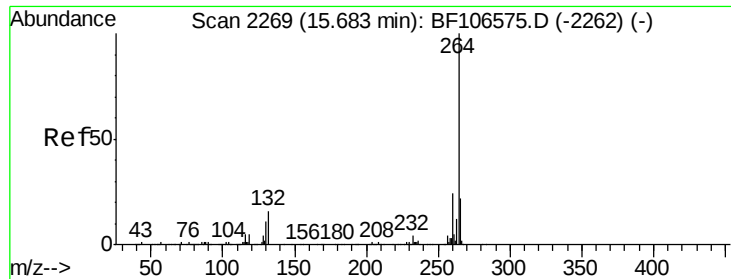


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

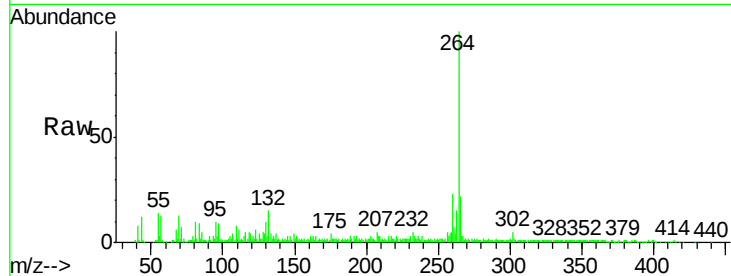




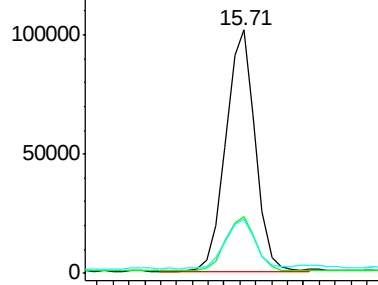
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF107037.D
Acq: 2 Jul 2018 11:56

Instrument :
BNA_F
ClientSampleId :
ZER-BOLLARD-1-2

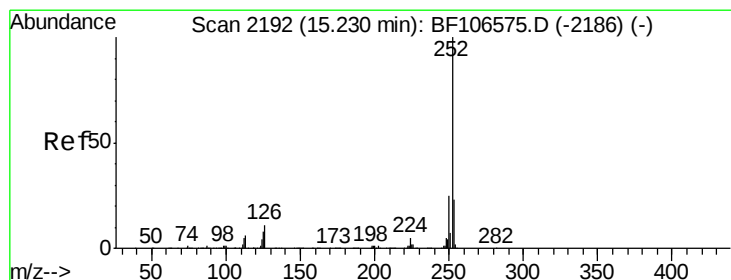
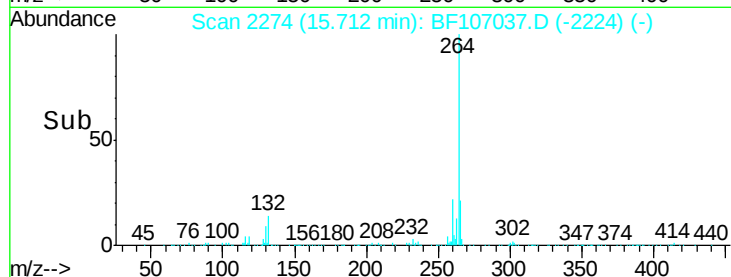
Tgt Ion:264 Resp: 130641
Ion Ratio Lower Upper
264 100
260 23.1 19.2 28.8
265 22.4 17.5 26.3



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

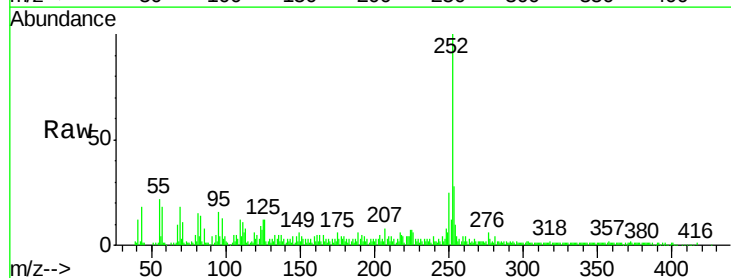


Time-->

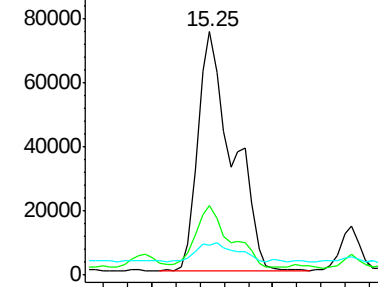


#87
Benzo(b)fluoranthene
Concen: 18.332 ng
RT: 15.25 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF107037.D
Acq: 2 Jul 2018 11:56

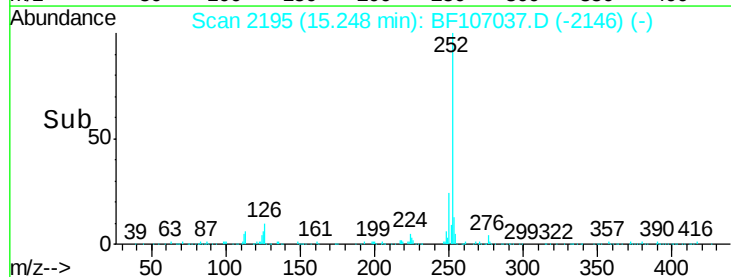
Tgt Ion:252 Resp: 148773
Ion Ratio Lower Upper
252 100
253 28.4 17.0 25.6#
125 12.4 9.0 13.6

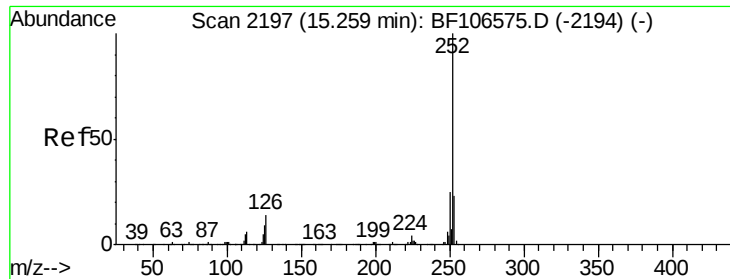


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->

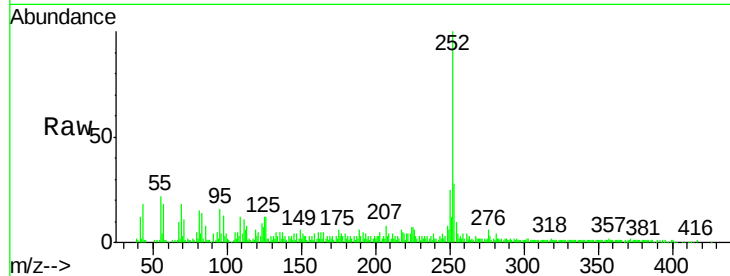




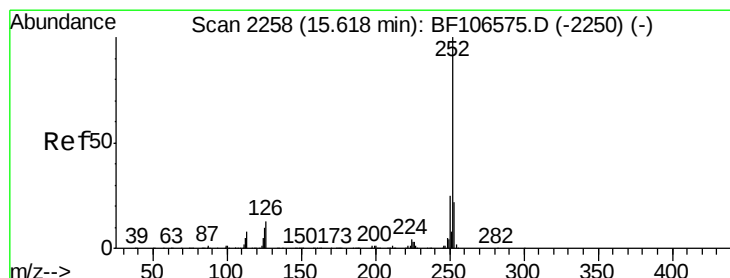
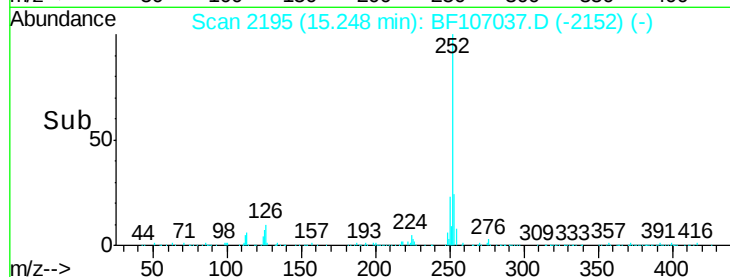
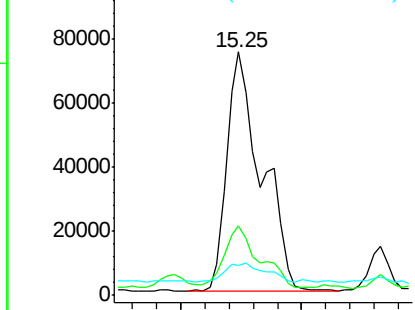
#88
Benzo(k)fluoranthene
Concen: 19.251 ng
RT: 15.25 min Scan# 2195
Delta R.T. -0.05 min
Lab File: BF107037.D
Acq: 2 Jul 2018 11:56

Instrument :
BNA_F
ClientSampleId :
ZER-BOLLARD-1-2

Tgt Ion: 252 Resp: 148773
Ion Ratio Lower Upper
252 100
253 28.4 17.9 26.9#
125 12.4 10.2 15.2

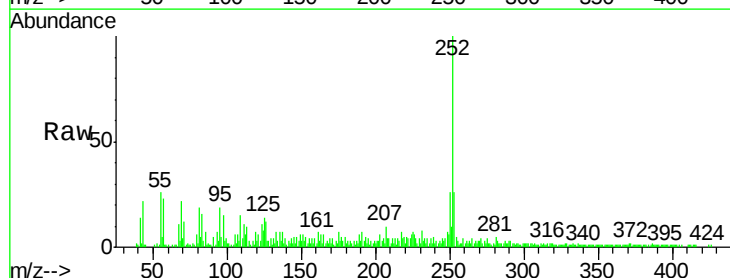


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

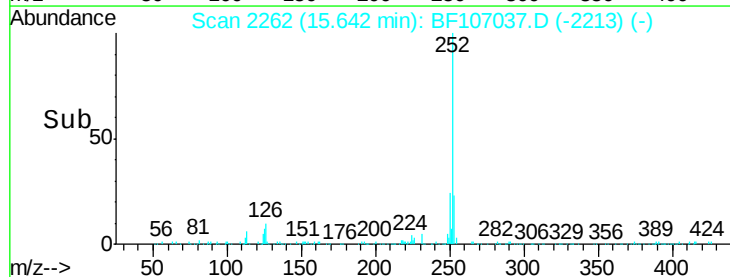
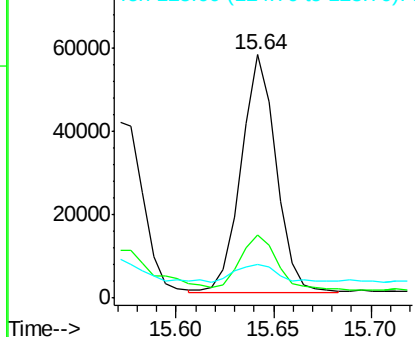


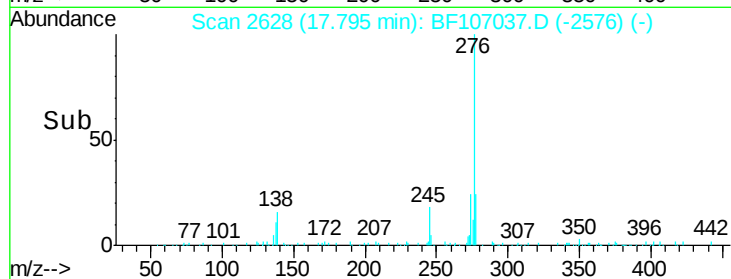
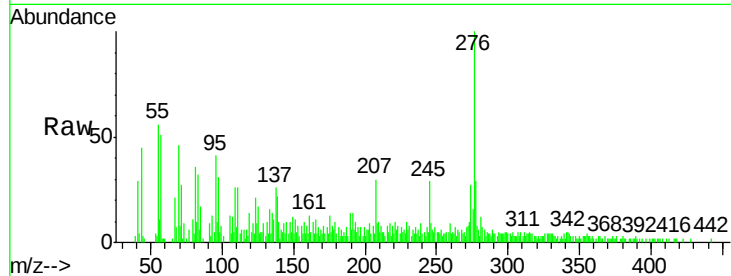
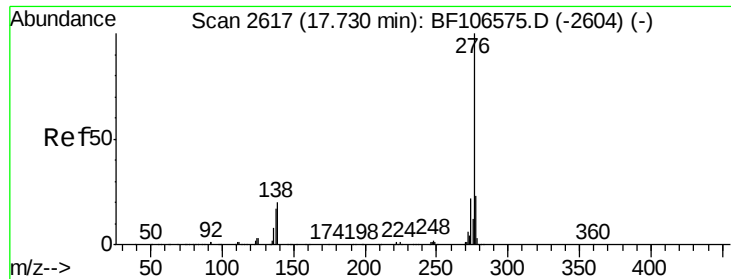
#89
Benzo(a)pyrene
Concen: 9.843 ng
RT: 15.64 min Scan# 2262
Delta R.T. -0.01 min
Lab File: BF107037.D
Acq: 2 Jul 2018 11:56

Tgt Ion: 252 Resp: 71009
Ion Ratio Lower Upper
252 100
253 26.0 17.1 25.7#
125 13.7 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: 6.334 ng

RT: 17.79 min Scan# 2628

Delta R.T. 0.01 min

Lab File: BF107037.D

Acq: 2 Jul 2018 11:56

Instrument :

BNA_F

ClientSampleId :

ZER-BOLLARD-1-2

Tgt Ion:276 Resp: 37854

Ion Ratio Lower Upper

276 100

277 29.5 17.9 26.9#

138 21.9 21.8 32.8

