

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF061118\
 Data File : BF106307.D
 Acq On : 11 Jun 2018 20:56
 Operator : JU/SJ
 Sample : J3248-05 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-060818-C

Quant Time: Jun 12 01:45:00 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 11 15:00:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	205895	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	774636	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	355886	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	619999	20.00	ng	0.00
75) Chrysene-d12	14.15	240	543938	20.00	ng	-0.01
86) Perylene-d12	15.68	264	425960	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	258865	21.28	ng	0.00
7) Phenol-d6	6.58	99	324508	21.11	ng	-0.01
23) Nitrobenzene-d5	7.52	82	196812	14.95	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	70294	20.53	ng	-0.01
44) 2-Fluorobiphenyl	9.32	172	381275	9.30	ng	0.00
78) Terphenyl-d14	13.10	244	357729	16.33	ng	0.00

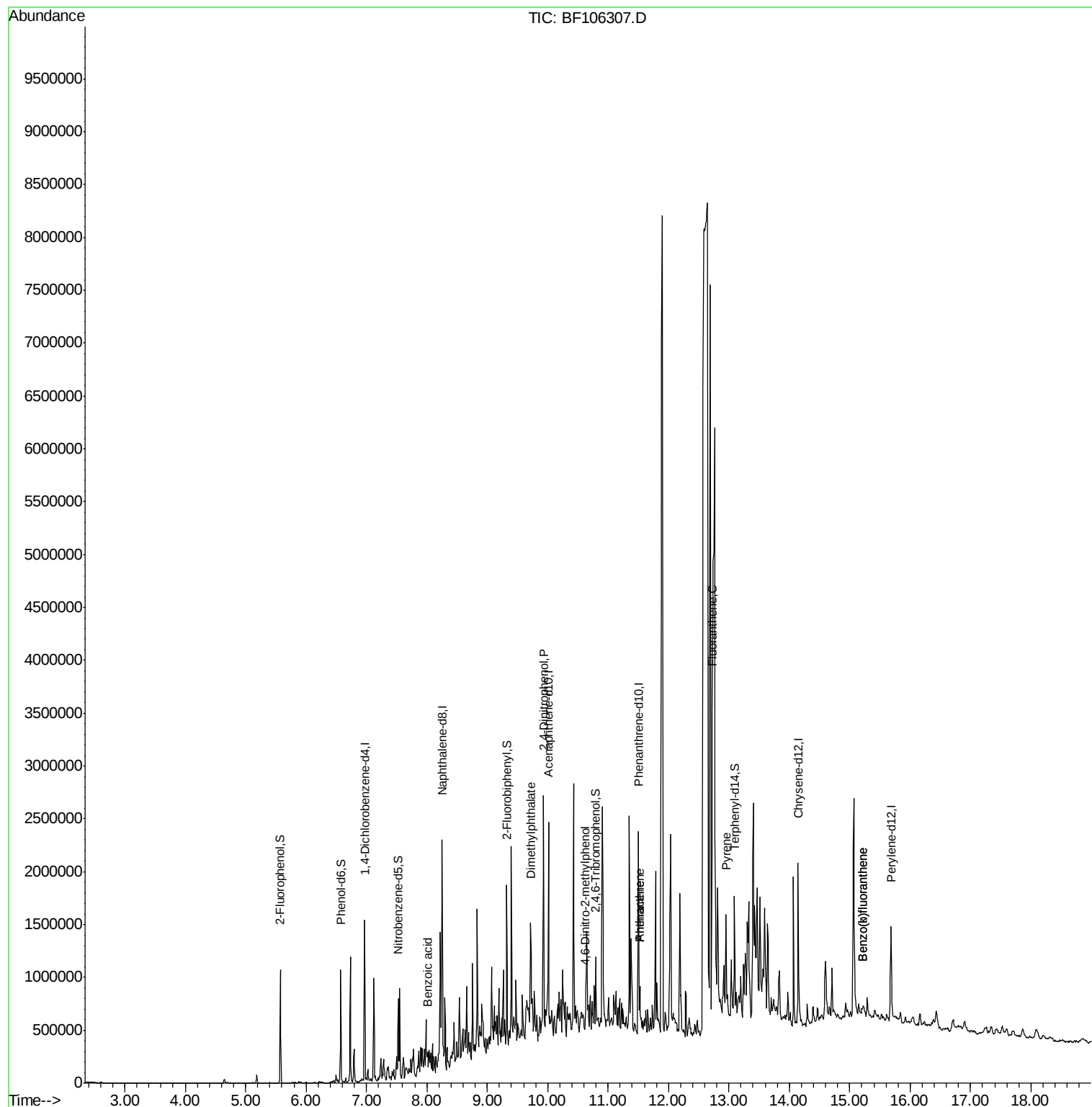
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	8.01	122	246	7.315	ng	# 1
49) Dimethylphthalate	9.72	163	56928	2.239	ng	# 95
53) 2,4-Dinitrophenol	9.93	184	108	8.654	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.62	198	156	6.335	ng	# 1
70) Phenanthrene	11.52	178	87322	2.876	ng	98
71) Anthracene	11.52	178	87322	2.871	ng	98
74) Fluoranthene	12.72	202	94743	2.926	ng	99
77) Pyrene	12.95	202	102795	3.019	ng	96
87) Benzo(b)fluoranthene	15.22	252	59498	2.311	ng	# 87
88) Benzo(k)fluoranthene	15.22	252	59498	2.333	ng	# 90

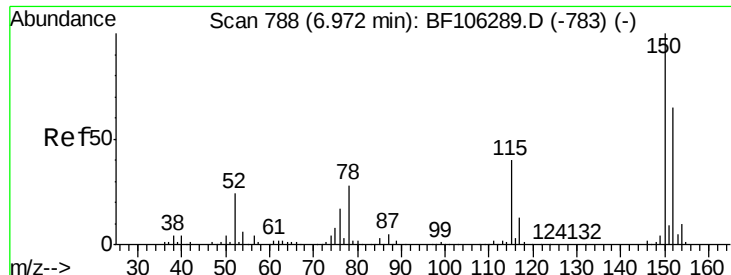
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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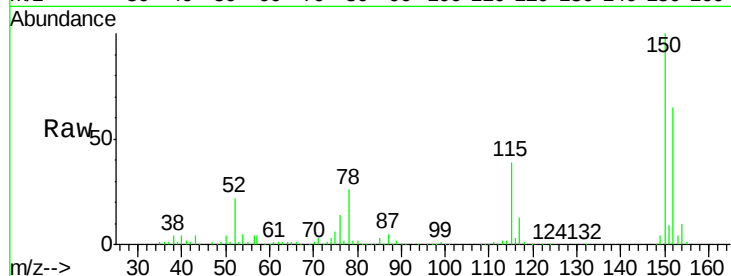


#1

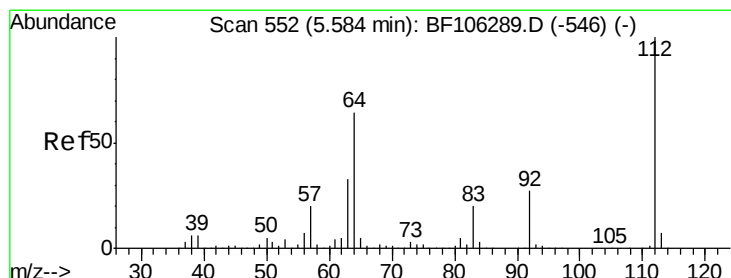
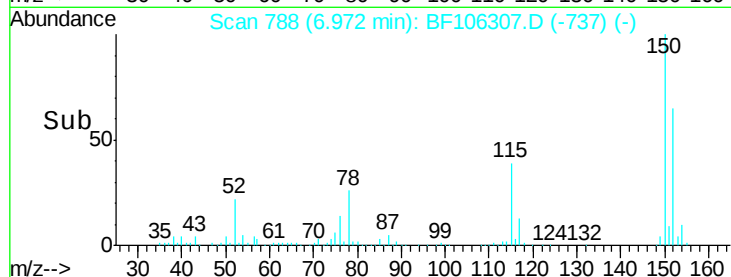
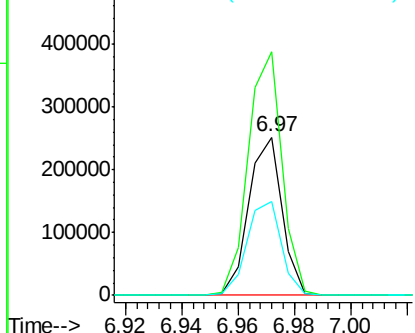
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF106307.D
Acq: 11 Jun 2018 20:56

Instrument :
BNA_F
ClientSampleId :
EO-02-060818-C

Tgt Ion:152 Resp: 205895
Ion Ratio Lower Upper
152 100
150 153.7 124.6 186.8
115 59.4 50.1 75.1



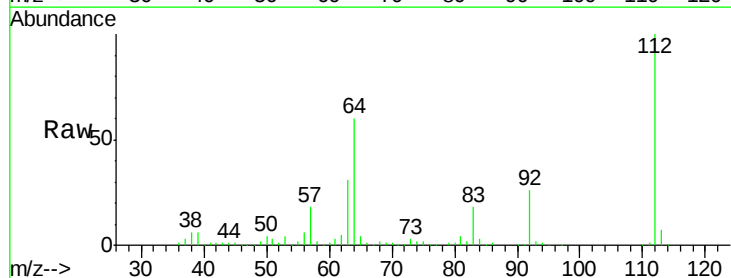
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



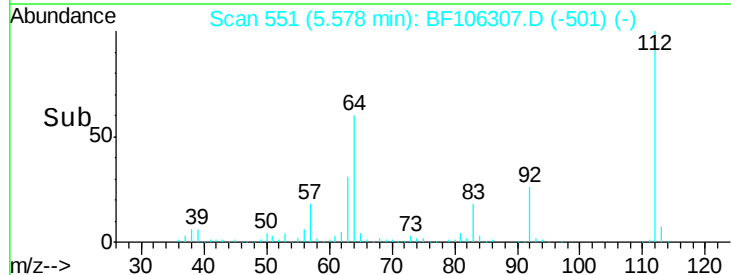
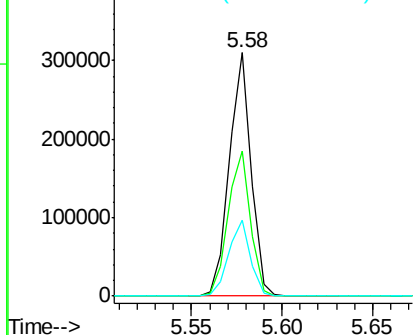
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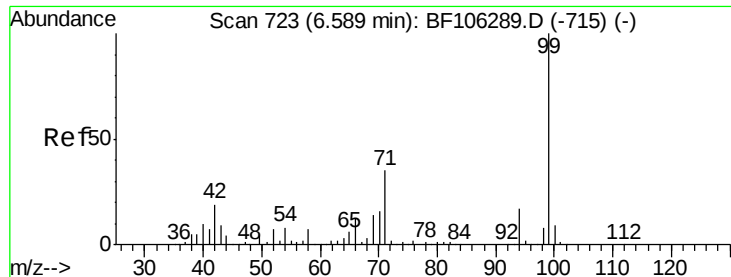
2-Fluorophenol
Concen: 21.279 ng
RT: 5.58 min Scan# 551
Delta R.T. -0.01 min
Lab File: BF106307.D
Acq: 11 Jun 2018 20:56

Tgt Ion:112 Resp: 258865
Ion Ratio Lower Upper
112 100
64 59.6 47.9 71.9
63 31.0 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: 21.114 ng

RT: 6.58 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF106307.D

Acq: 11 Jun 2018 20:56

Instrument :

BNA_F

ClientSampleId :

EO-02-060818-C

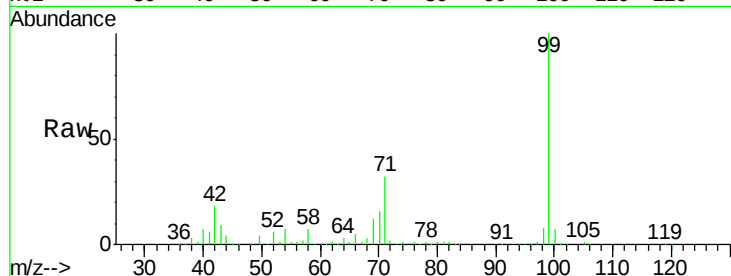
Tgt Ion: 99 Resp: 324508

Ion Ratio Lower Upper

99 100

42 18.2 14.5 21.7

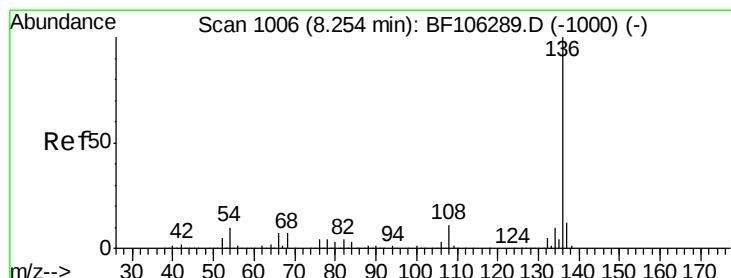
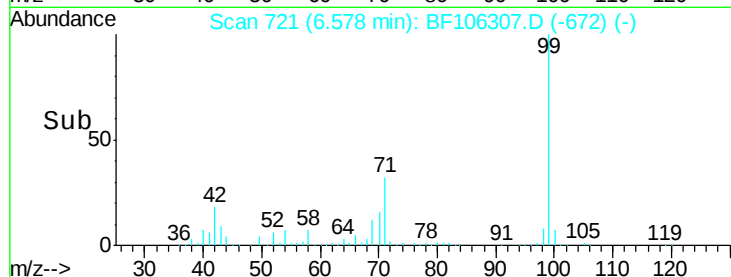
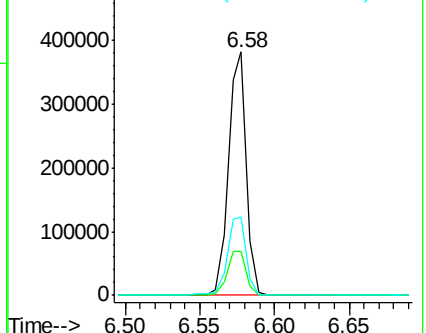
71 32.5 25.4 38.0



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: 8.25 min Scan# 1006

Delta R.T. 0.00 min

Lab File: BF106307.D

Acq: 11 Jun 2018 20:56

Tgt Ion: 136 Resp: 774636

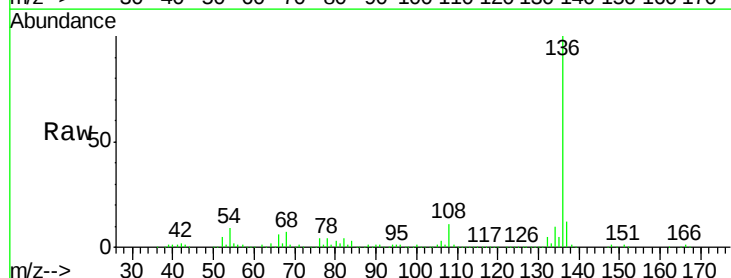
Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 8.7 6.6 9.8

68 7.1 5.0 7.4

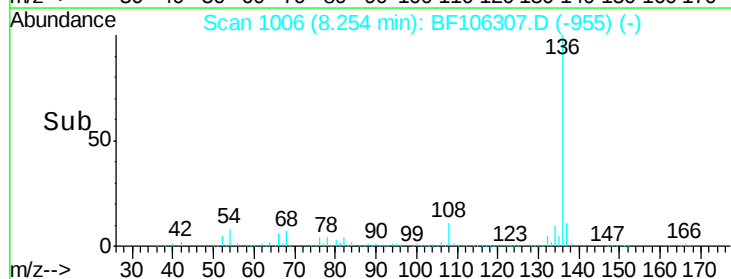
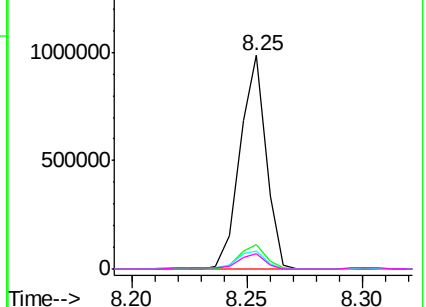


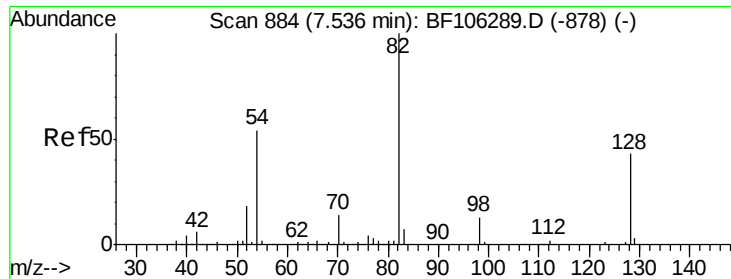
Abundance Ion 136.00 (135.70 to 136.70): E

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

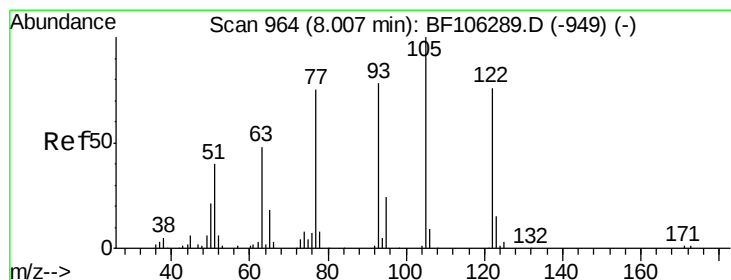
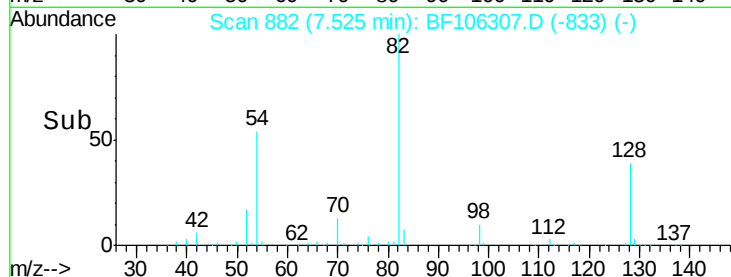
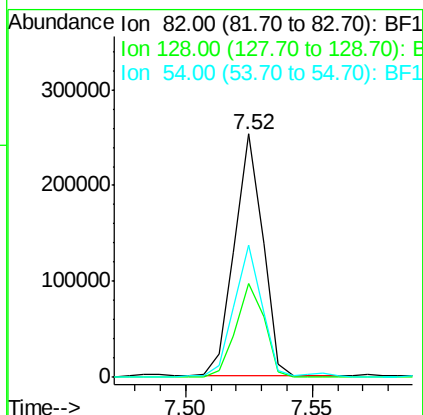
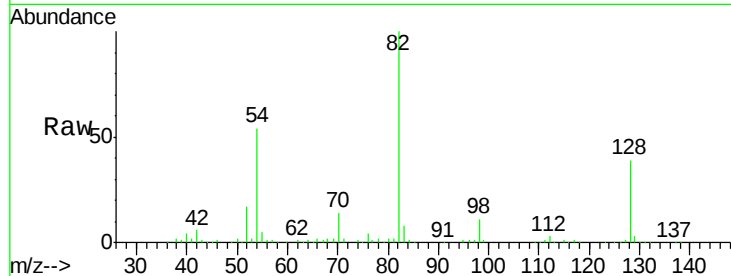




#23
 Nitrobenzene-d5
 Concen: 14.947 ng
 RT: 7.52 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: BF106307.D
 Acq: 11 Jun 2018 20:56

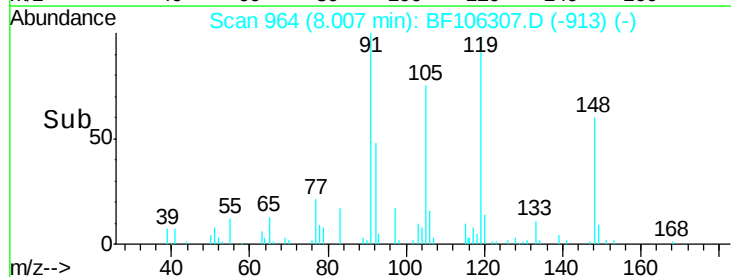
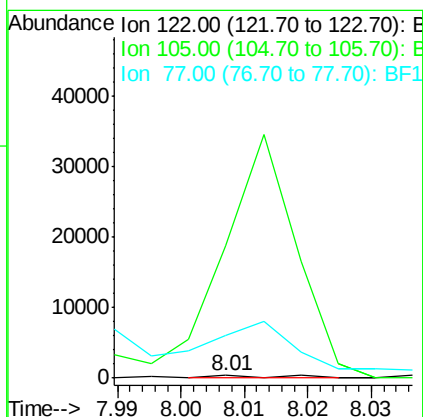
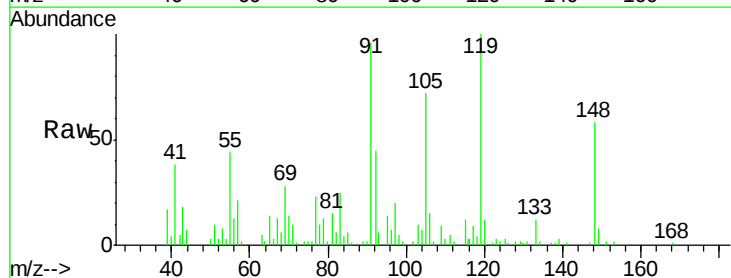
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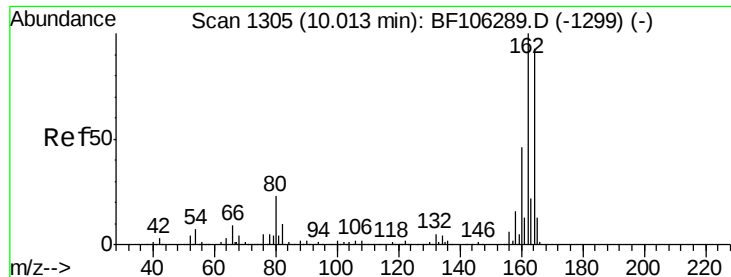
Tgt Ion: 82 Resp: 196812
 Ion Ratio Lower Upper
 82 100
 128 38.5 36.1 54.1
 54 54.4 41.4 62.2



#32
 Benzoic acid
 Concen: 7.315 ng
 RT: 8.01 min Scan# 964
 Delta R.T. 0.00 min
 Lab File: BF106307.D
 Acq: 11 Jun 2018 20:56

Tgt Ion: 122 Resp: 246
 Ion Ratio Lower Upper
 122 100
 105 5291.3 101.1 141.1#
 77 1711.8 70.7 110.7#

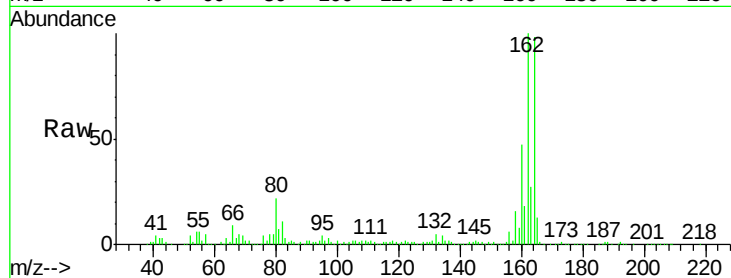




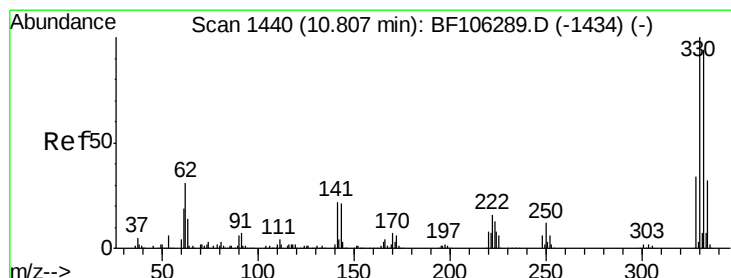
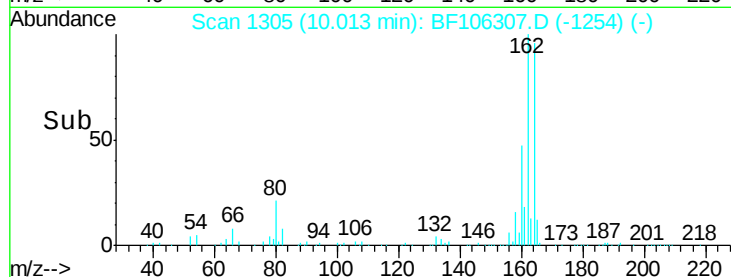
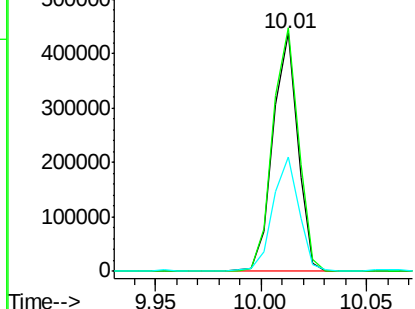
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1305
Delta R.T. 0.00 min
Lab File: BF106307.D
Acq: 11 Jun 2018 20:56

Instrument :
BNA_F
ClientSampleId :
EO-02-060818-C

Tgt Ion:164 Resp: 355886
Ion Ratio Lower Upper
164 100
162 102.3 86.1 129.1
160 47.9 38.3 57.5

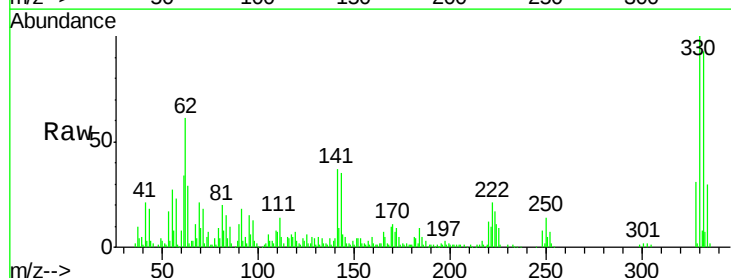


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

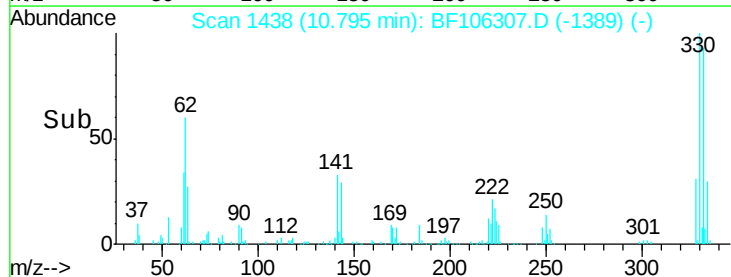
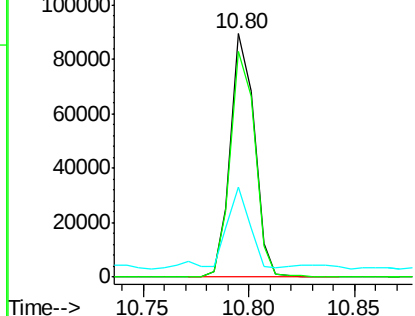


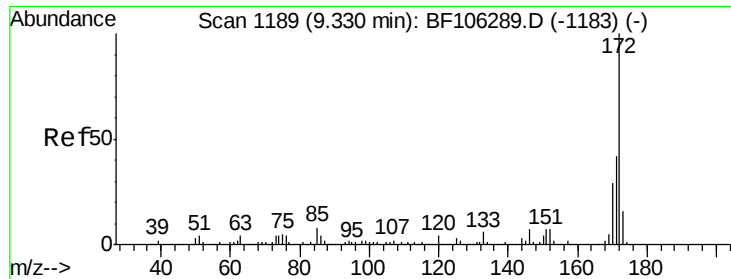
#41
2,4,6-Tribromophenol
Concen: 20.528 ng
RT: 10.80 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF106307.D
Acq: 11 Jun 2018 20:56

Tgt Ion:330 Resp: 70294
Ion Ratio Lower Upper
330 100
332 95.0 77.0 115.6
141 34.5 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

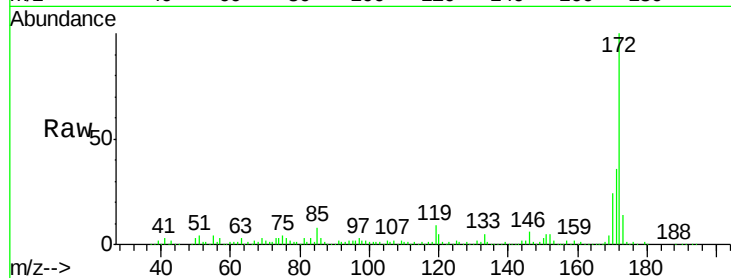




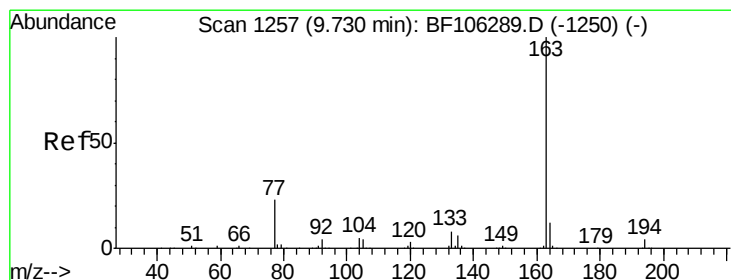
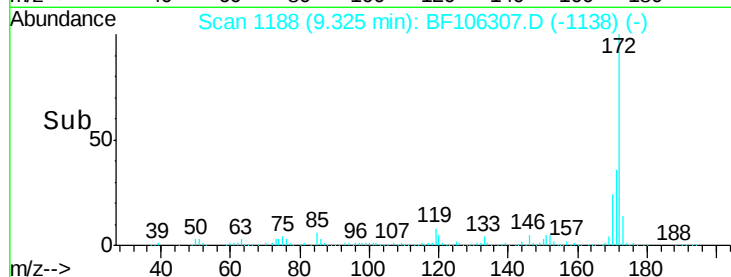
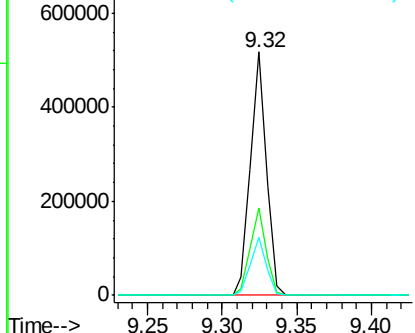
#44
2-Fluorobiphenyl
Concen: 9.302 ng
RT: 9.32 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BF106307.D
Acq: 11 Jun 2018 20:56

Instrument :
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ClientSampleId :
EO-02-060818-C

Tgt Ion:172 Resp: 381275
Ion Ratio Lower Upper
172 100
171 36.0 29.7 44.5
170 24.0 19.6 29.4

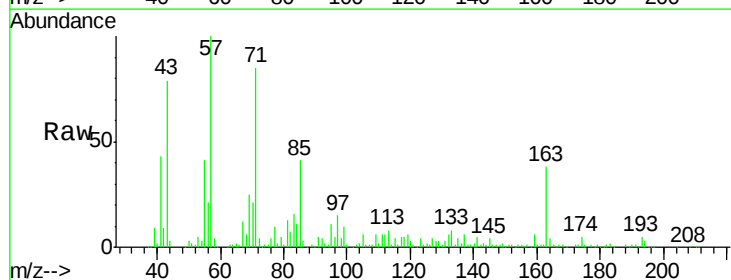


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

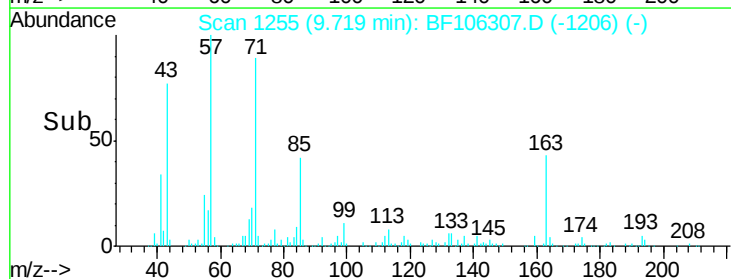
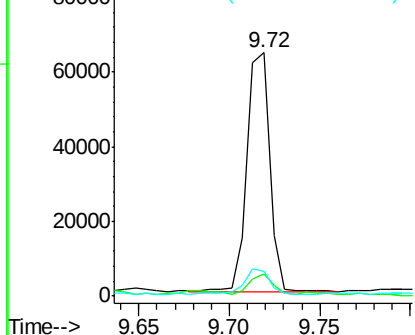


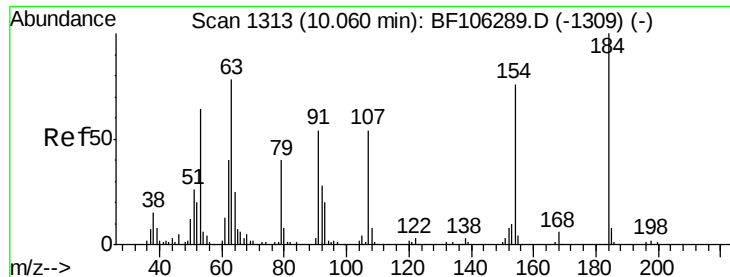
#49
Dimethylphthalate
Concen: 2.239 ng
RT: 9.72 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF106307.D
Acq: 11 Jun 2018 20:56

Tgt Ion:163 Resp: 56928
Ion Ratio Lower Upper
163 100
194 9.0 2.7 4.1#
164 10.0 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

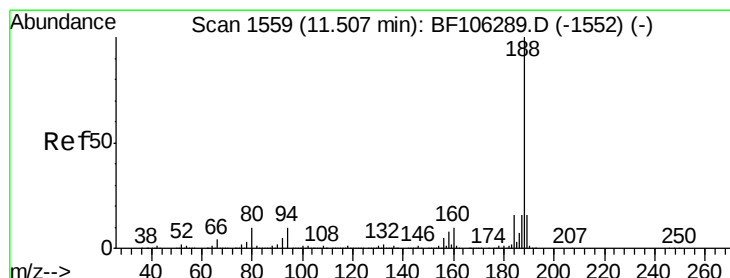
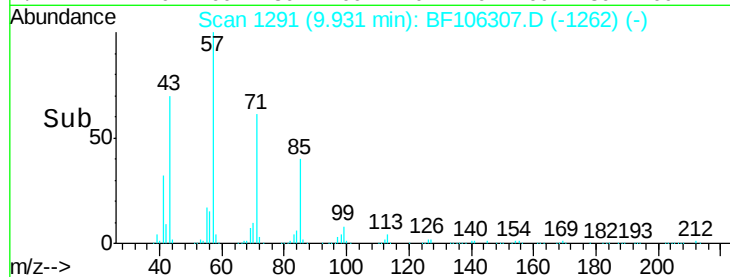
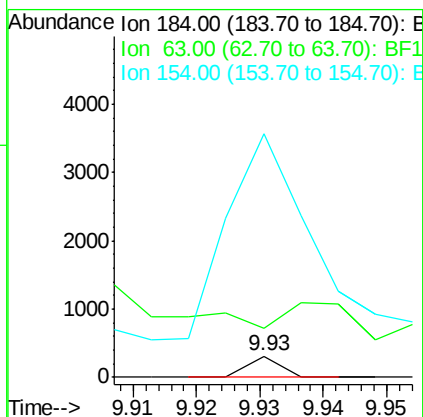
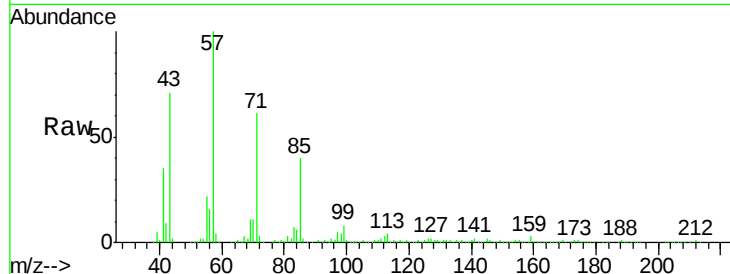




#53
2,4-Dinitrophenol
Concen: 8.654 ng
RT: 9.93 min Scan# 1291
Delta R.T. -0.13 min
Lab File: BF106307.D
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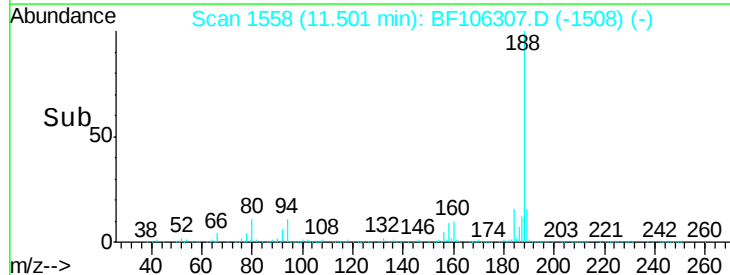
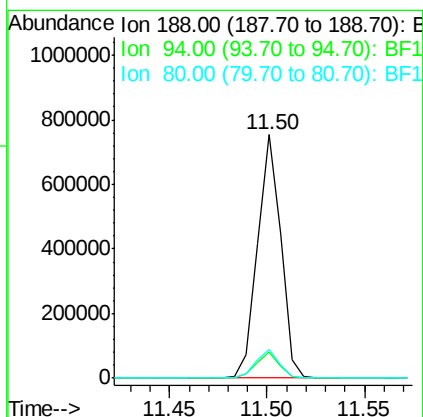
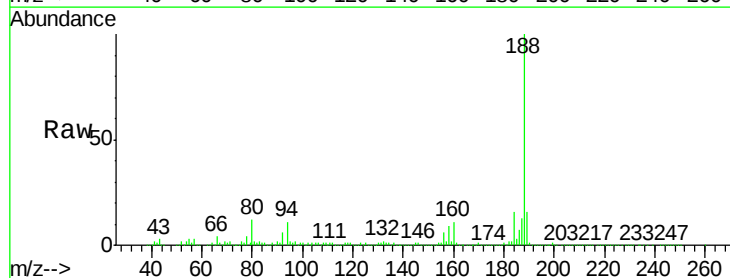
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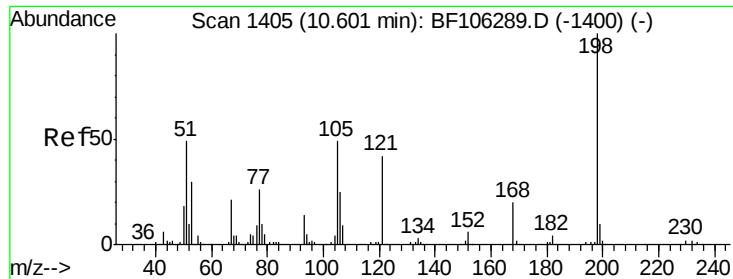
Tgt Ion:184 Resp: 108
Ion Ratio Lower Upper
184 100
63 235.2 54.2 81.2#
154 1160.9 184.0 276.0#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF106307.D
Acq: 11 Jun 2018 20:56

Tgt Ion:188 Resp: 619999
Ion Ratio Lower Upper
188 100
94 10.8 8.5 12.7
80 11.7 9.2 13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 6.335 ng

RT: 10.62 min Scan# 1409

Delta R.T. 0.02 min

Lab File: BF106307.D

Acq: 11 Jun 2018 20:56

Instrument :

BNA_F

ClientSampleId :

EO-02-060818-C

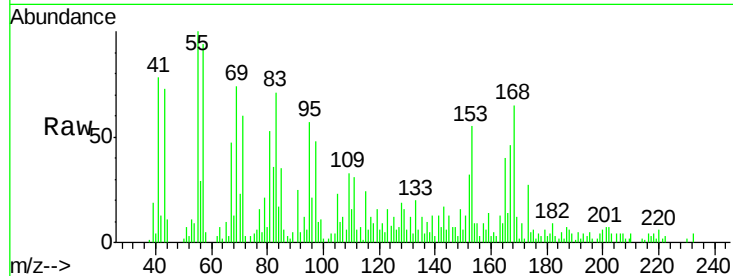
Tgt Ion:198 Resp: 156

Ion Ratio Lower Upper

198 100

51 375.1 37.7 77.7#

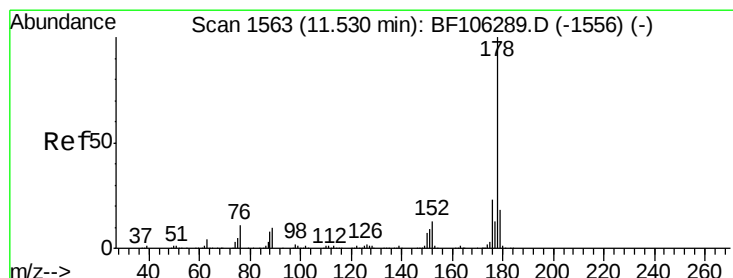
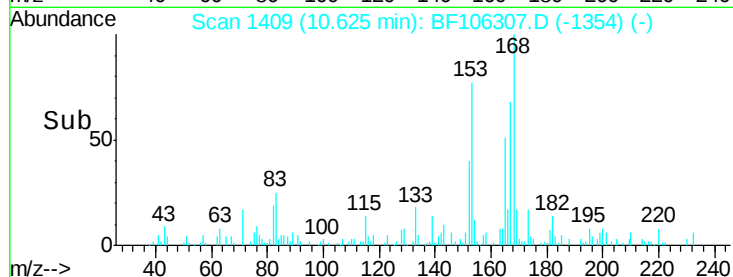
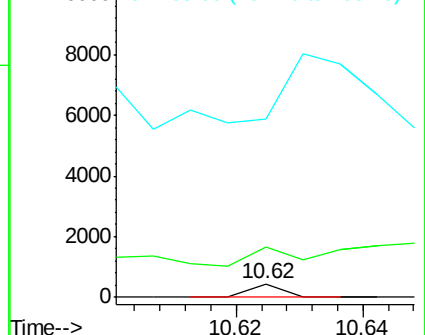
105 1329.2 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#70

Phenanthrene

Concen: 2.876 ng

RT: 11.52 min Scan# 1562

Delta R.T. -0.01 min

Lab File: BF106307.D

Acq: 11 Jun 2018 20:56

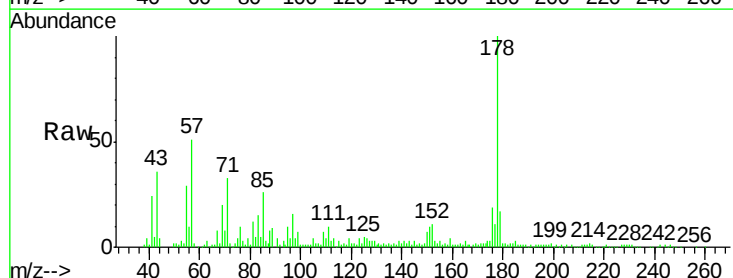
Tgt Ion:178 Resp: 87322

Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.8

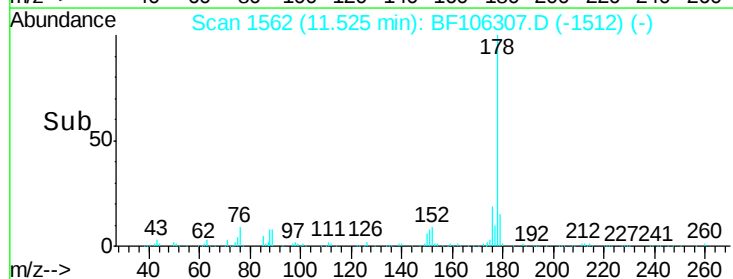
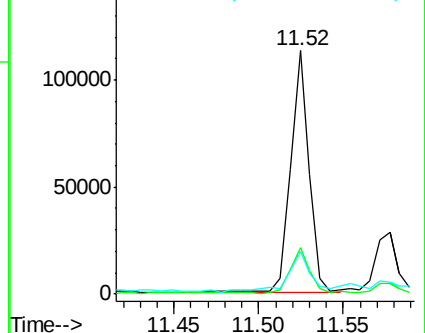
179 17.3 13.0 19.6

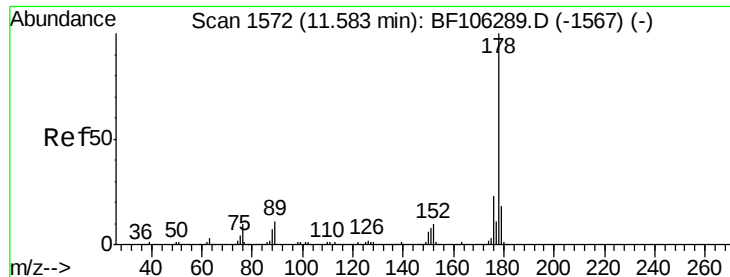


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 2.871 ng

RT: 11.52 min Scan# 1562

Delta R.T. -0.06 min

Lab File: BF106307.D

Acq: 11 Jun 2018 20:56

Instrument :

BNA_F

ClientSampleId :

EO-02-060818-C

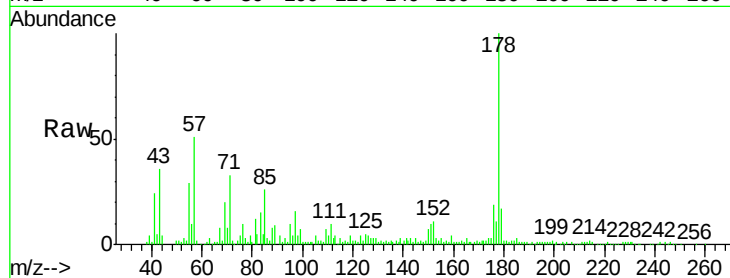
Tgt Ion:178 Resp: 87322

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

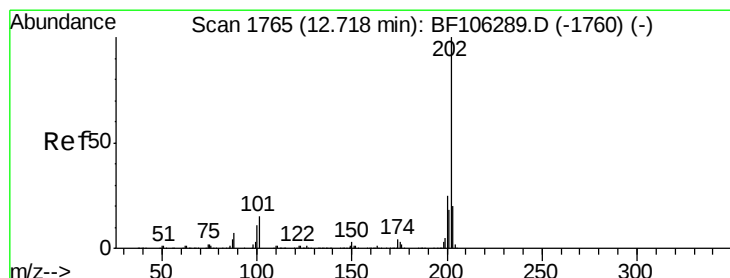
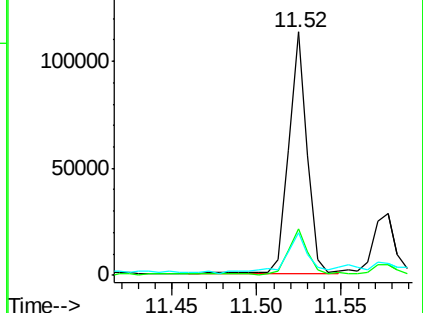
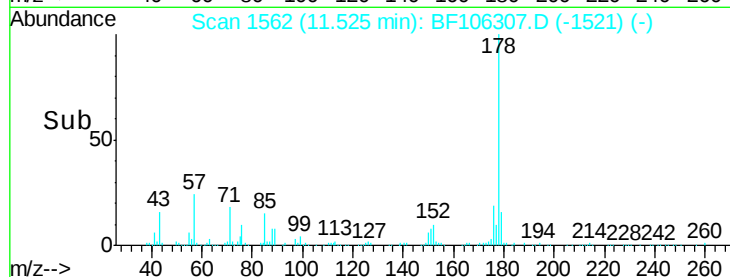
179 17.3 12.6 19.0



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: 2.926 ng

RT: 12.72 min Scan# 1765

Delta R.T. 0.00 min

Lab File: BF106307.D

Acq: 11 Jun 2018 20:56

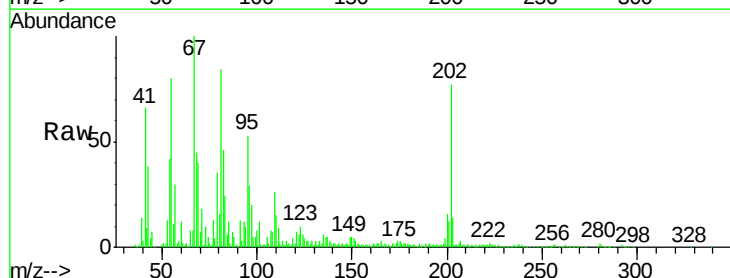
Tgt Ion:202 Resp: 94743

Ion Ratio Lower Upper

202 100

101 15.4 0.0 34.1

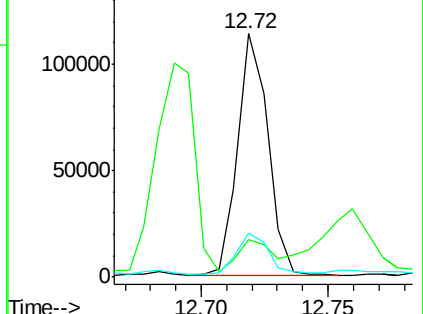
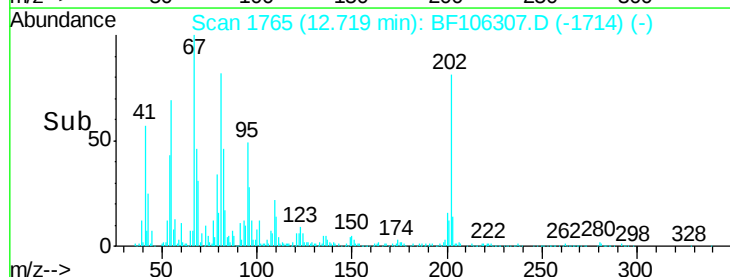
203 18.0 0.0 38.1

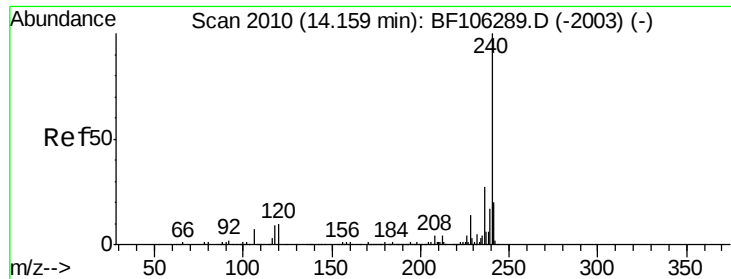


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF106307.D

Acq: 11 Jun 2018 20:56

Instrument :

BNA_F

ClientSampleId :

EO-02-060818-C

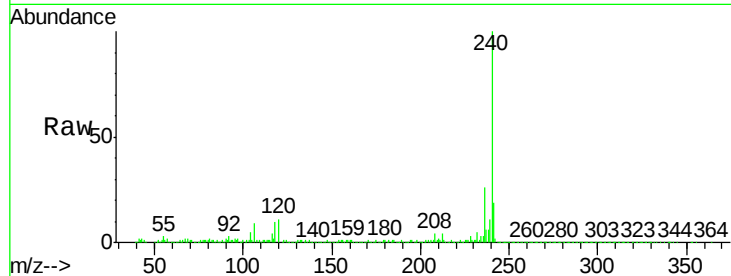
Tgt Ion:240 Resp: 543938

Ion Ratio Lower Upper

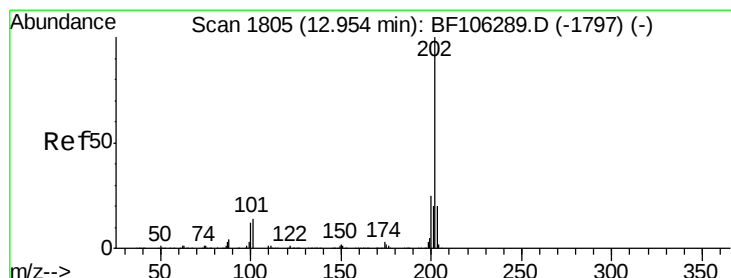
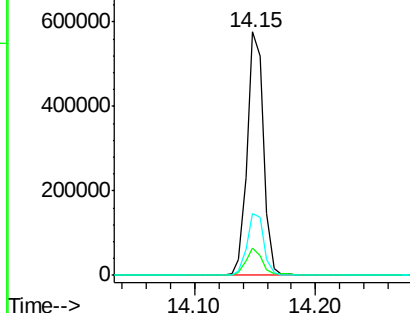
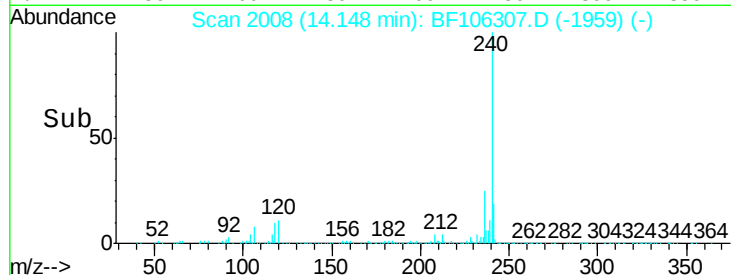
240 100

120 11.3 9.5 14.3

236 25.6 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: 3.019 ng

RT: 12.95 min Scan# 1805

Delta R.T. 0.00 min

Lab File: BF106307.D

Acq: 11 Jun 2018 20:56

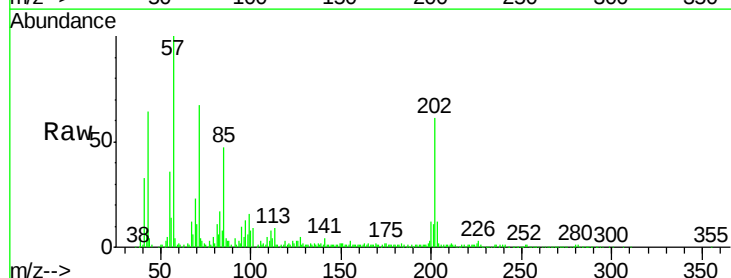
Tgt Ion:202 Resp: 102795

Ion Ratio Lower Upper

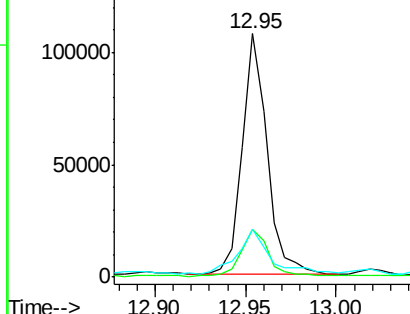
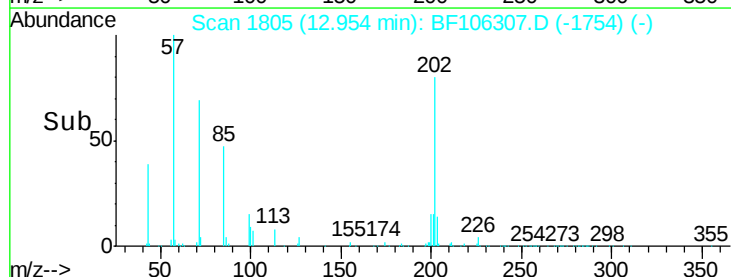
202 100

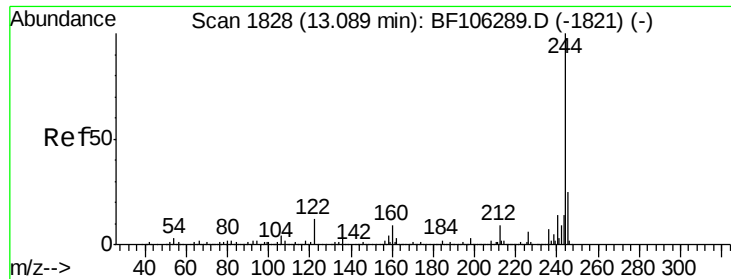
200 19.7 17.4 26.2

203 19.7 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

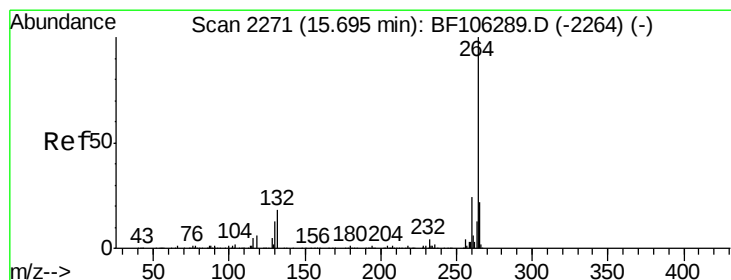
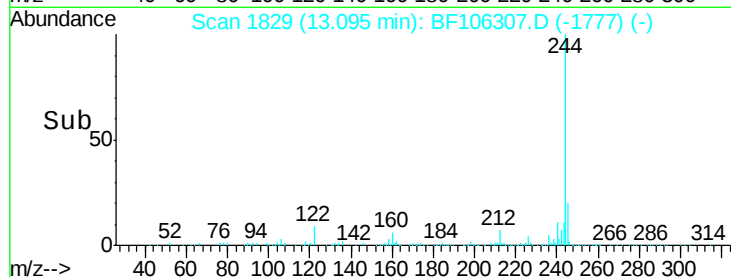
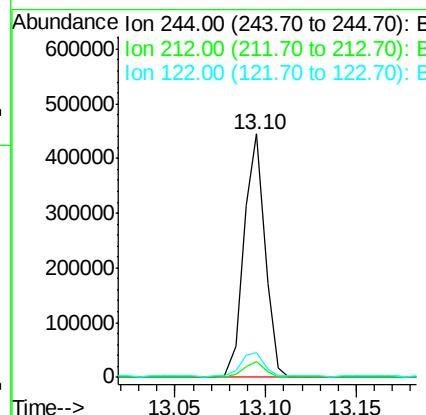
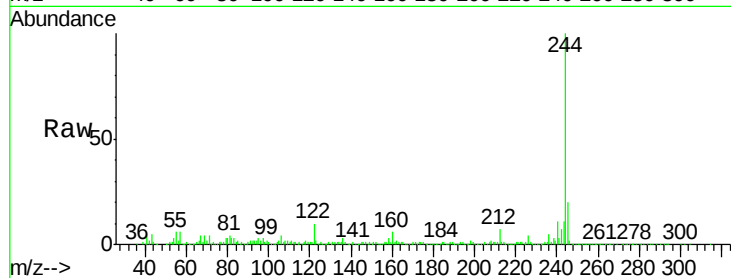




#78
 Terphenyl-d14
 Concen: 16.335 ng
 RT: 13.10 min Scan# 1829
 Delta R.T. 0.01 min
 Lab File: BF106307.D
 Acq: 11 Jun 2018 20:56

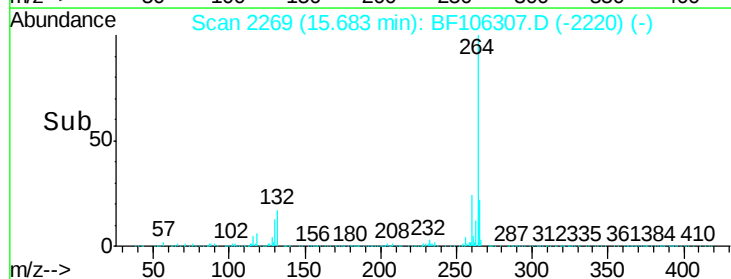
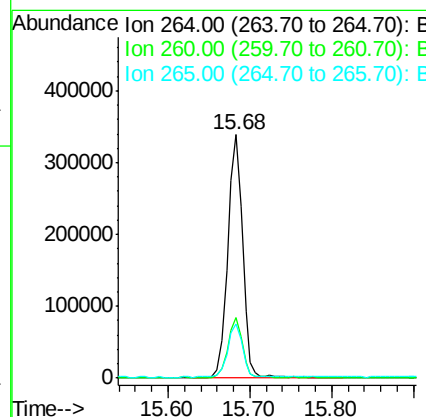
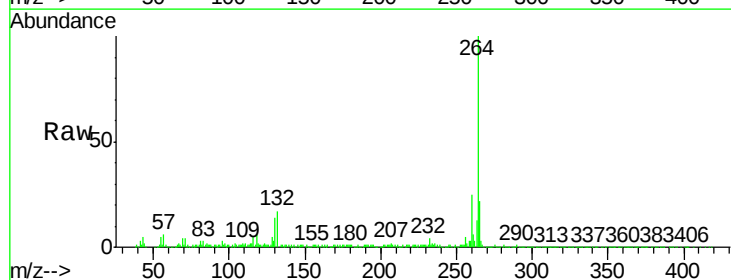
Instrument :
 BNA_F
 ClientSampleId :
 EO-02-060818-C

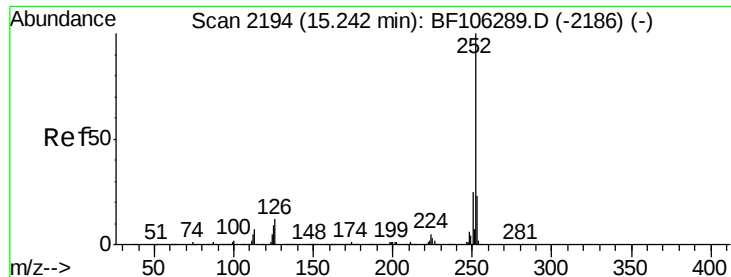
Tgt Ion:244 Resp: 357729
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 10.0 11.0 16.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.68 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: BF106307.D
 Acq: 11 Jun 2018 20:56

Tgt Ion:264 Resp: 425960
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.2 28.8
 265 22.1 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 2.311 ng

RT: 15.22 min Scan# 2191

Delta R.T. -0.02 min

Lab File: BF106307.D

Acq: 11 Jun 2018 20:56

Instrument :

BNA_F

ClientSampleId :

EO-02-060818-C

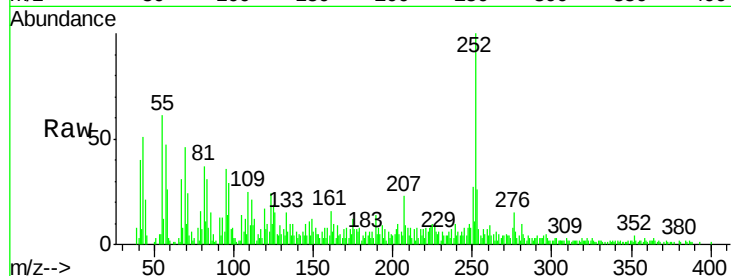
Tgt Ion:252 Resp: 59498

Ion Ratio Lower Upper

252 100

253 25.7 17.0 25.6#

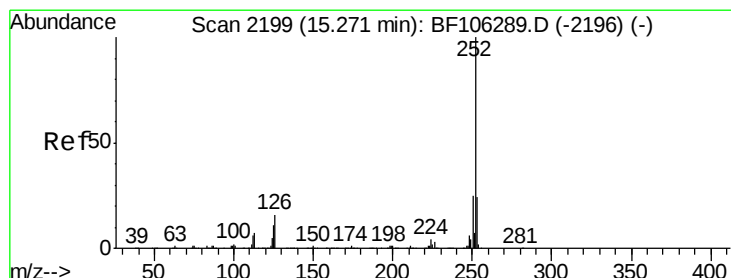
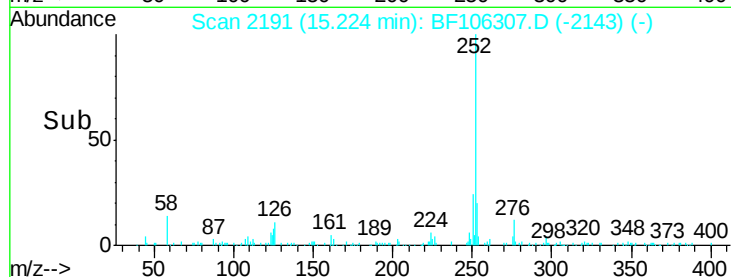
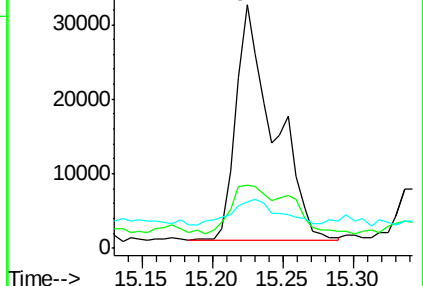
125 19.1 9.0 13.6#



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: 2.333 ng

RT: 15.22 min Scan# 2191

Delta R.T. -0.05 min

Lab File: BF106307.D

Acq: 11 Jun 2018 20:56

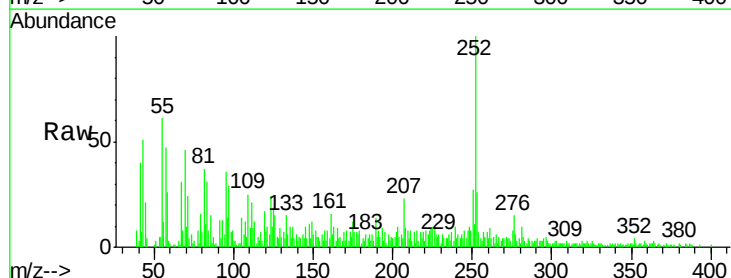
Tgt Ion:252 Resp: 59498

Ion Ratio Lower Upper

252 100

253 25.7 17.9 26.9

125 19.1 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

