

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
 Data File : BF107711.D
 Acq On : 26 Jul 2018 20:27
 Operator : JU/SJ
 Sample : J4109-02 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GW-04(10-12)

Quant Time: Jul 27 01:14:05 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 16:29:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	168212	20.00	ng	-0.02
21) Naphthalene-d8	8.24	136	746661	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	339402	20.00	ng	-0.02
63) Phenanthrene-d10	11.50	188	606662	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	409511	20.00	ng	-0.02
86) Perylene-d12	15.68	264	480242	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	153539	14.68	ng	0.00
7) Phenol-d6	6.60	99	240262	19.13	ng	-0.01
23) Nitrobenzene-d5	7.53	82	136509	12.34	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	69633	18.04	ng	-0.02
44) 2-Fluorobiphenyl	9.31	172	214988	4.85	ng	-0.02
78) Terphenyl-d14	13.08	244	184338	11.52	ng	-0.02

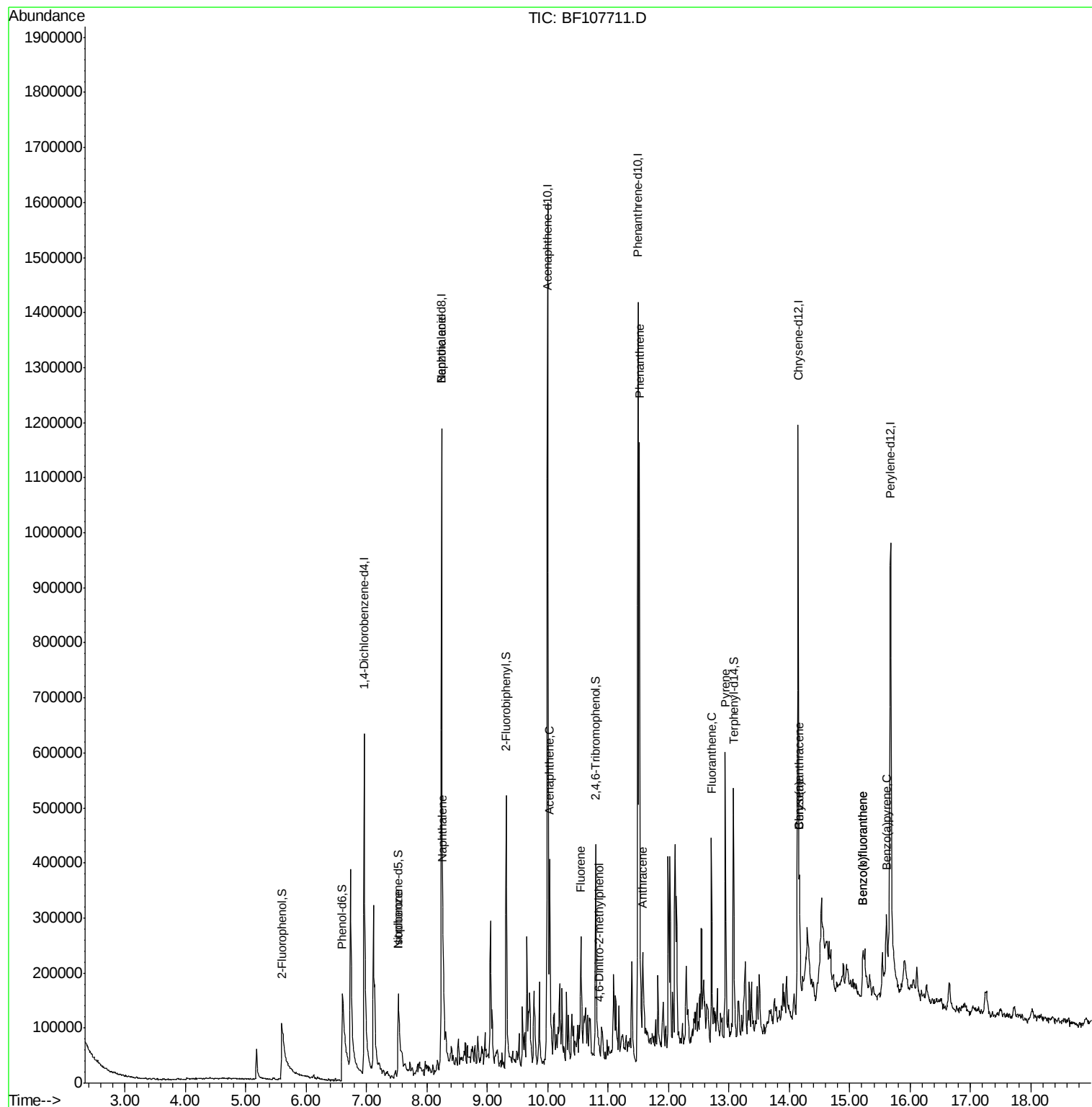
Target Compounds				Qvalue		
9) Benzaldehyde	6.74	77	4390	Below Cal		86
25) Isophorone	7.53	82	136509	5.779 ng	#	65
31) Naphthalene	8.27	128	67971	2.070 ng		98
32) Benzoic acid	8.24	122	145	7.917 ng	#	1
51) Acenaphthene	10.03	154	76611	3.602 ng		96
57) Fluorene	10.55	166	89185	3.992 ng	#	97
64) 4,6-Dinitro-2-methylphenol	10.86	198	413	8.796 ng		85
70) Phenanthrene	11.52	178	460734	15.585 ng		98
71) Anthracene	11.57	178	129043	4.335 ng		97
73) Di-n-butylphthalate	12.04	149	2368	Below Cal	#	1
74) Fluoranthene	12.71	202	167081	5.267 ng		96
77) Pyrene	12.94	202	262753	9.380 ng		96
80) Benzo(a)anthracene	14.17	228	87514	3.647 ng		96
81) 3,3'-Dichlorobenzidine	14.06	252	572	Below Cal	#	1
82) Chrysene	14.17	228	87514	3.796 ng		96
87) Benzo(b)fluoranthene	15.22	252	76394	2.907 ng	#	91
88) Benzo(k)fluoranthene	15.22	252	76394	2.967 ng		94
89) Benzo(a)pyrene	15.61	252	62059	2.581 ng		96

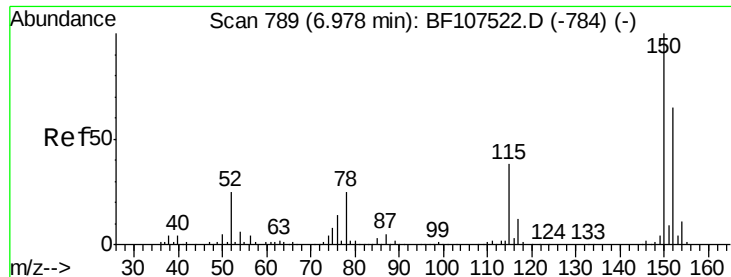
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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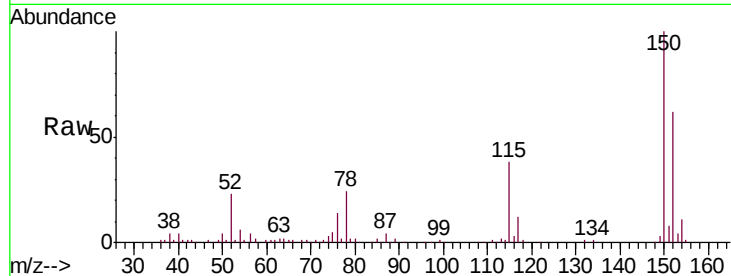


#1

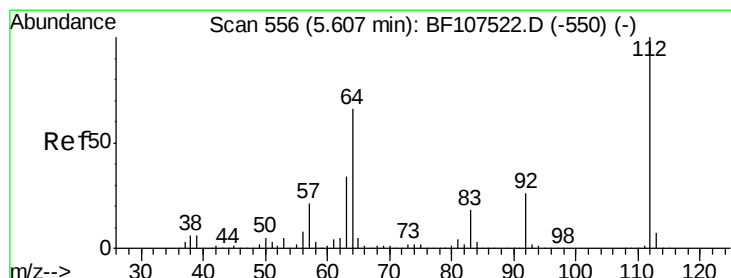
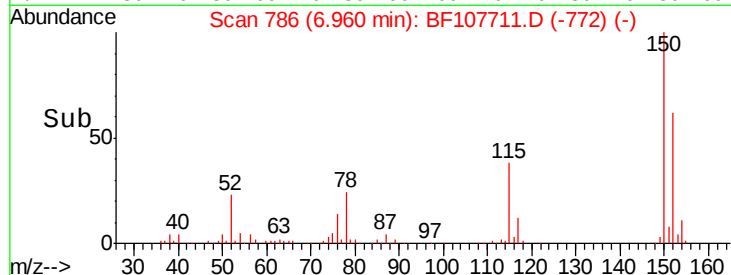
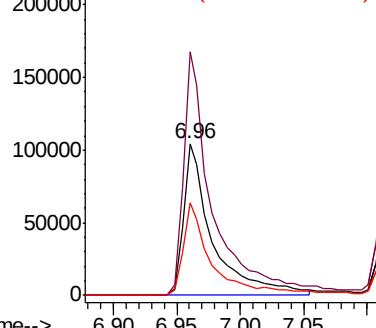
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.02 min
Lab File: BF107711.D
Acq: 26 Jul 2018 20:27

Instrument :
BNA_F
ClientSampleId :
GW-04(10-12)

Tgt Ion:152 Resp: 168212
Ion Ratio Lower Upper
152 100
150 160.5 124.6 186.8
115 61.0 50.1 75.1



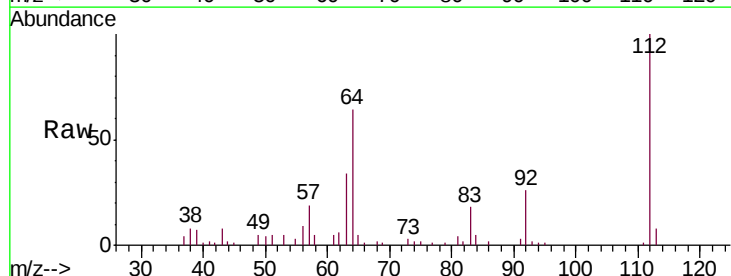
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



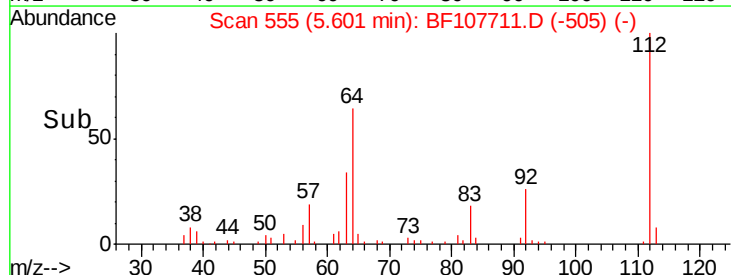
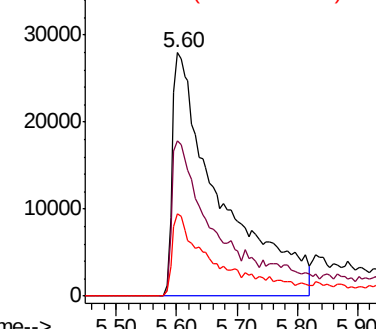
#5

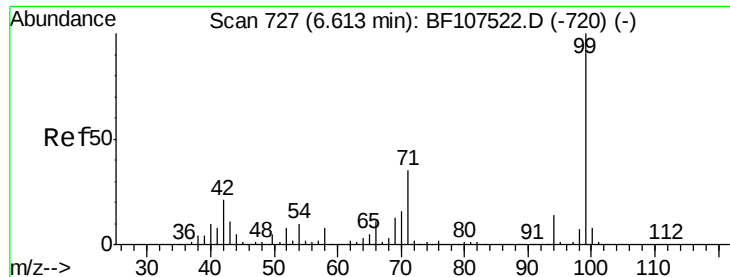
2-Fluorophenol
Concen: 14.676 ng
RT: 5.60 min Scan# 555
Delta R.T. -0.01 min
Lab File: BF107711.D
Acq: 26 Jul 2018 20:27

Tgt Ion:112 Resp: 153539
Ion Ratio Lower Upper
112 100
64 63.8 47.9 71.9
63 33.6 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: 19.126 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107711.D

Acq: 26 Jul 2018 20:27

Instrument :

BNA_F

ClientSampleId :

GW-04(10-12)

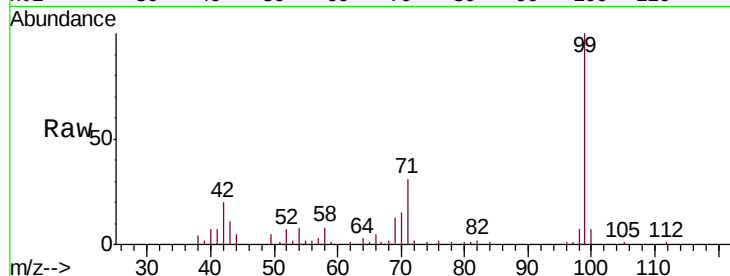
Tgt Ion: 99 Resp: 240262

Ion Ratio Lower Upper

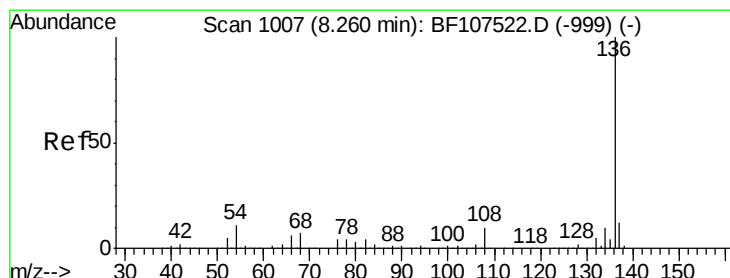
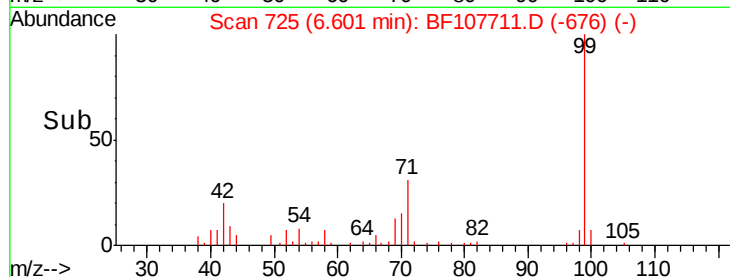
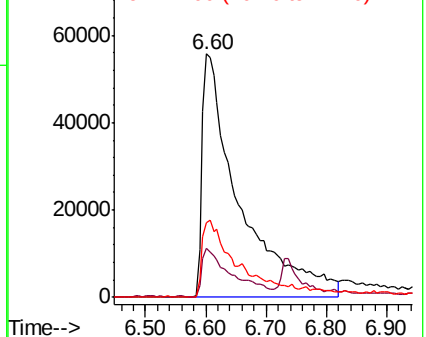
99 100

42 20.1 14.5 21.7

71 30.5 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: 8.24 min Scan# 1004

Delta R.T. -0.02 min

Lab File: BF107711.D

Acq: 26 Jul 2018 20:27

Tgt Ion: 136 Resp: 746661

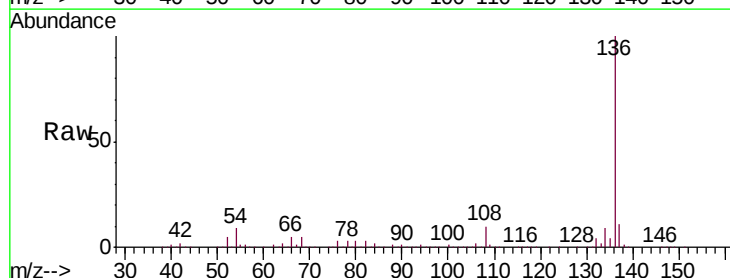
Ion Ratio Lower Upper

136 100

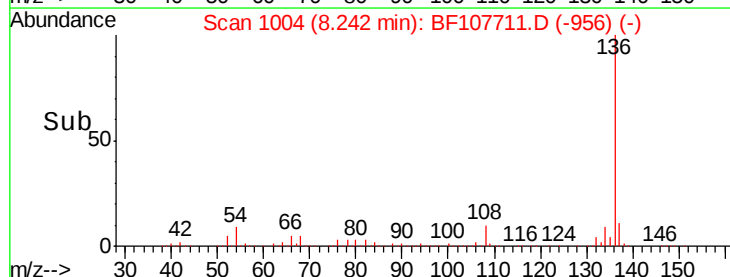
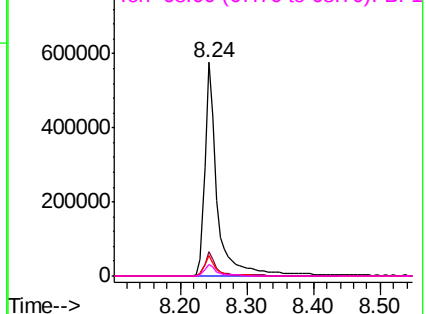
137 11.1 8.9 13.3

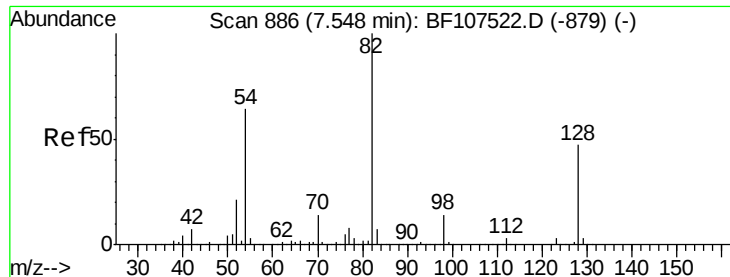
54 9.4 6.6 9.8

68 5.2 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

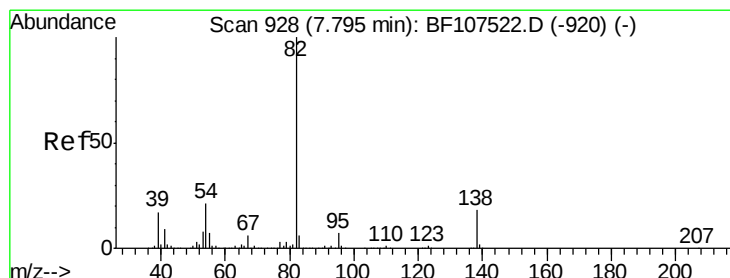
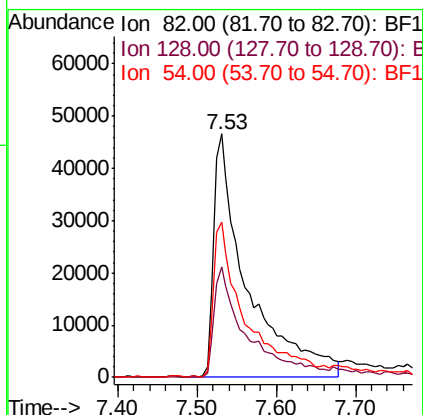
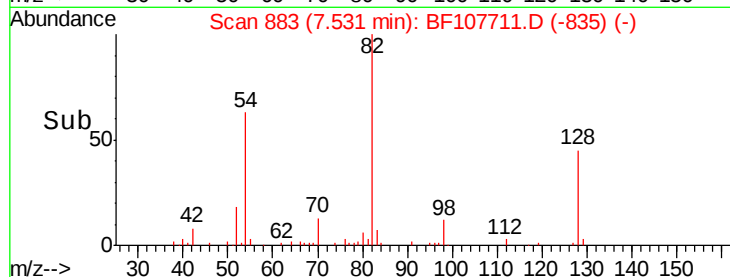
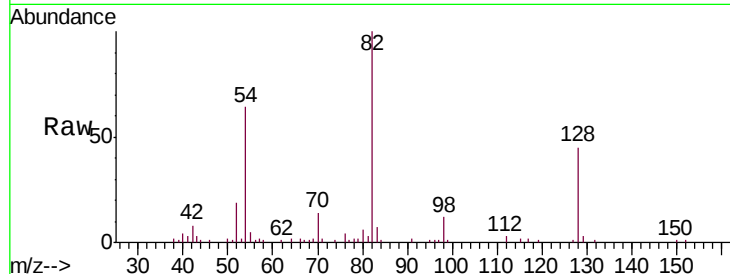




#23
Nitrobenzene-d5
Concen: 12.338 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF107711.D
Acq: 26 Jul 2018 20:27

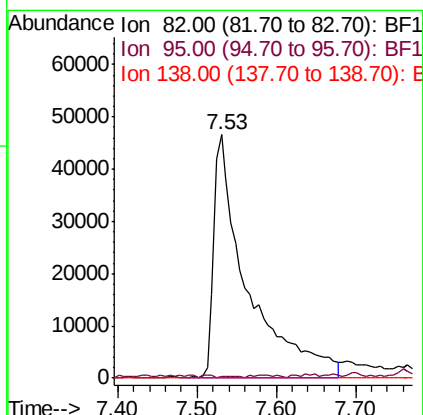
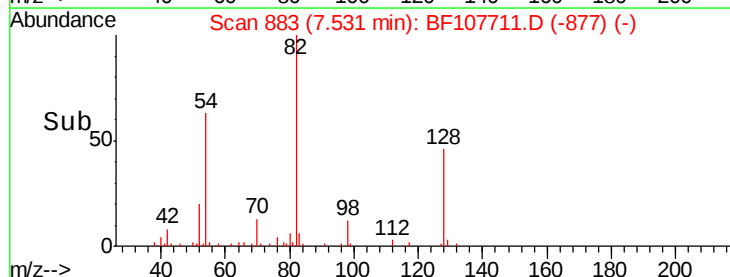
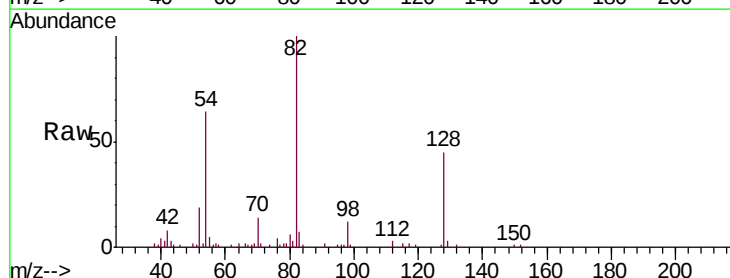
Instrument :
BNA_F
ClientSampleId :
GW-04(10-12)

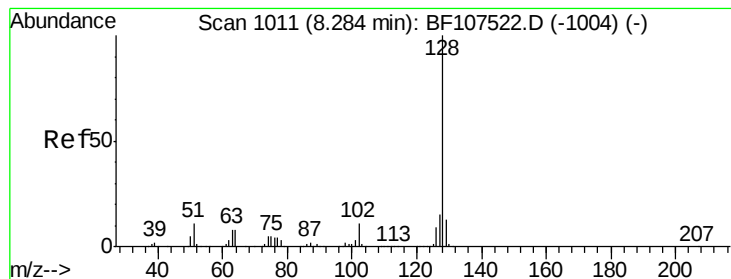
Tgt Ion: 82 Resp: 136509
Ion Ratio Lower Upper
82 100
128 45.4 36.1 54.1
54 63.6 41.4 62.2#



#25
Isophorone
Concen: 5.779 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.26 min
Lab File: BF107711.D
Acq: 26 Jul 2018 20:27

Tgt Ion: 82 Resp: 136509
Ion Ratio Lower Upper
82 100
95 0.9 5.2 7.8#
138 0.0 14.9 22.3#





#31

Naphthalene

Concen: 2.070 ng

RT: 8.27 min Scan# 1008

Delta R.T. -0.02 min

Lab File: BF107711.D

Acq: 26 Jul 2018 20:27

Instrument :

BNA_F

ClientSampleId :

GW-04(10-12)

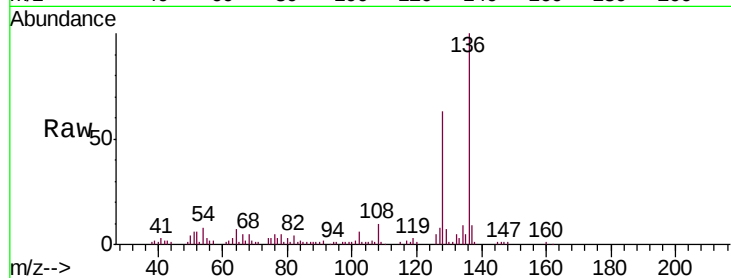
Tgt Ion:128 Resp: 67971

Ion Ratio Lower Upper

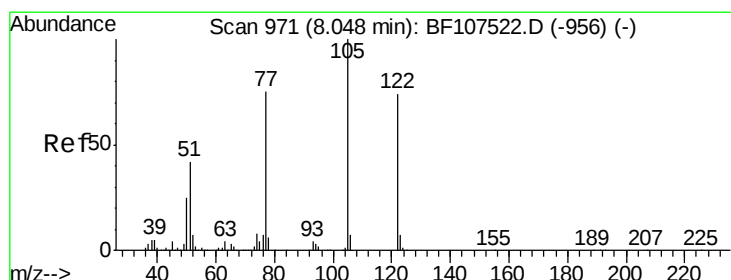
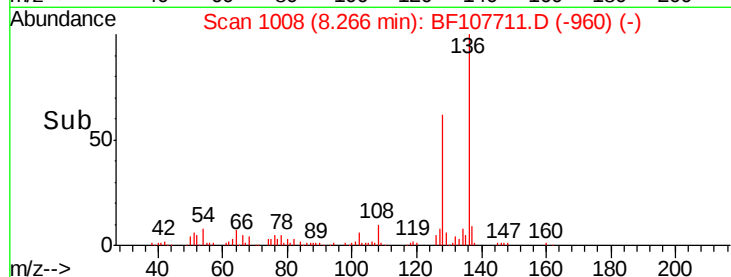
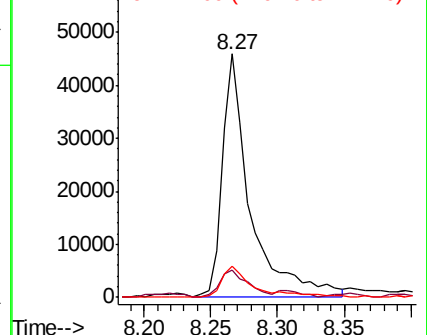
128 100

129 11.3 8.8 13.2

127 12.7 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 7.917 ng

RT: 8.24 min Scan# 1004

Delta R.T. 0.19 min

Lab File: BF107711.D

Acq: 26 Jul 2018 20:27

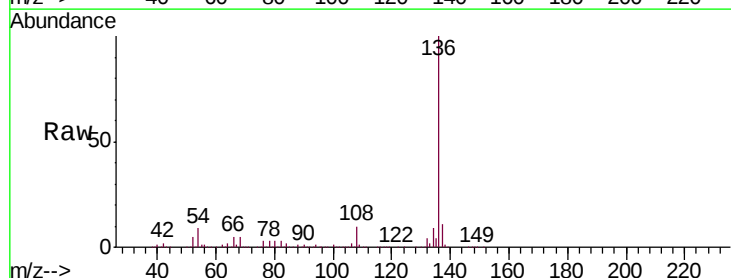
Tgt Ion:122 Resp: 145

Ion Ratio Lower Upper

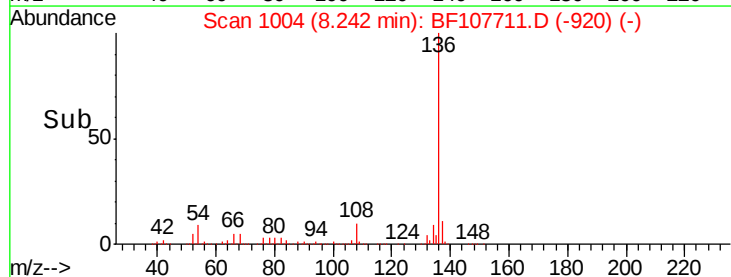
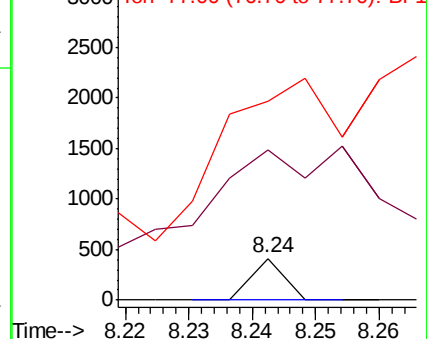
122 100

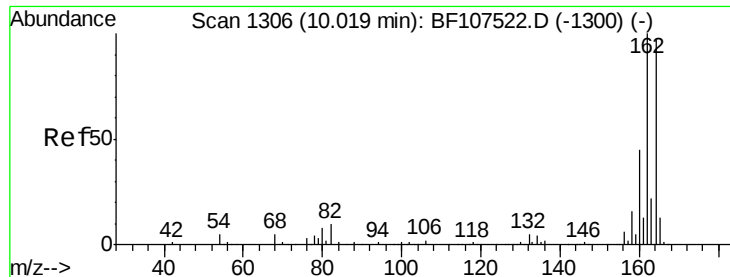
105 361.4 101.1 141.1#

77 477.7 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

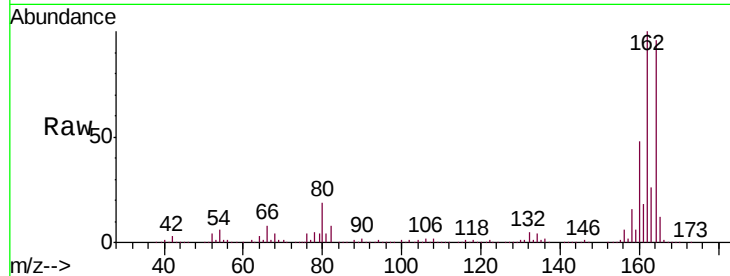




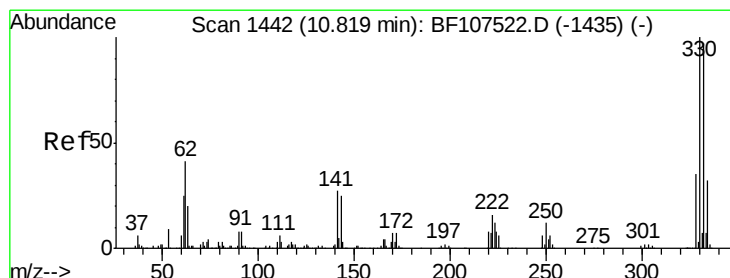
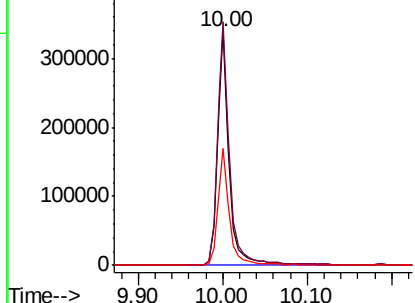
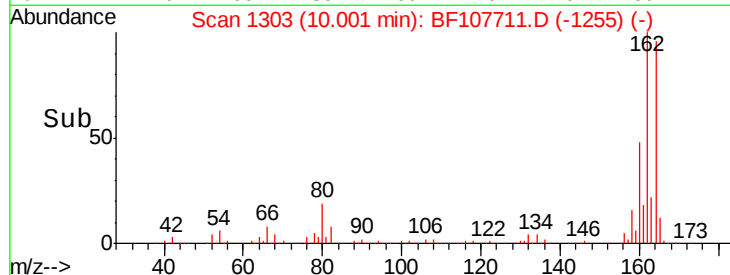
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.02 min
 Lab File: BF107711.D
 Acq: 26 Jul 2018 20:27

Instrument :
 BNA_F
 ClientSampleId :
 GW-04(10-12)

Tgt Ion:164 Resp: 339402
 Ion Ratio Lower Upper
 164 100
 162 103.8 86.1 129.1
 160 49.6 38.3 57.5

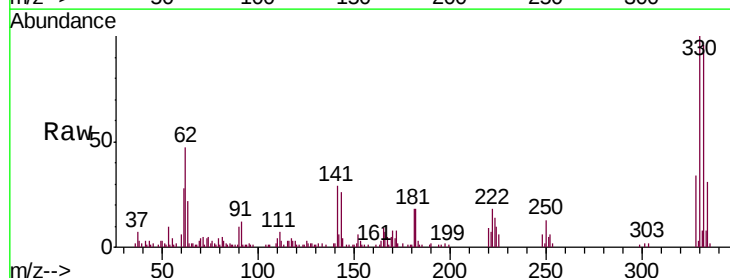


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

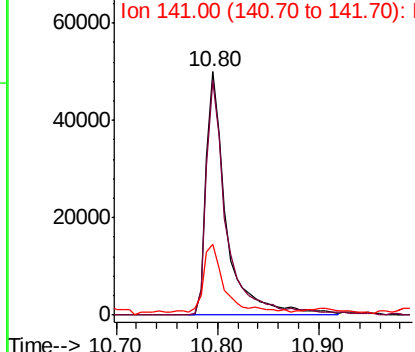
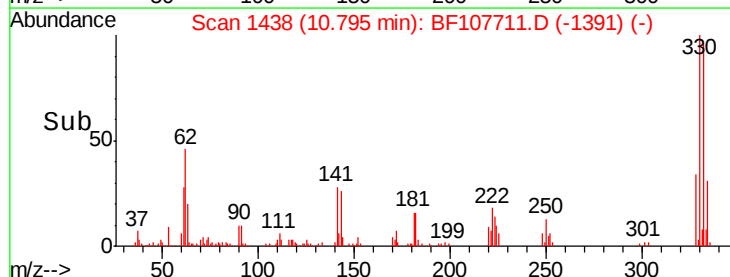


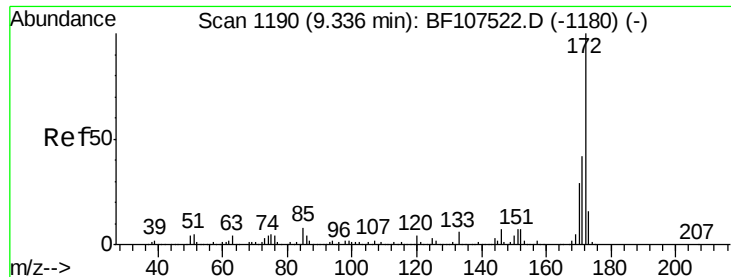
#41
 2,4,6-Tribromophenol
 Concen: 18.042 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.02 min
 Lab File: BF107711.D
 Acq: 26 Jul 2018 20:27

Tgt Ion:330 Resp: 69633
 Ion Ratio Lower Upper
 330 100
 332 97.9 77.0 115.6
 141 28.6 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

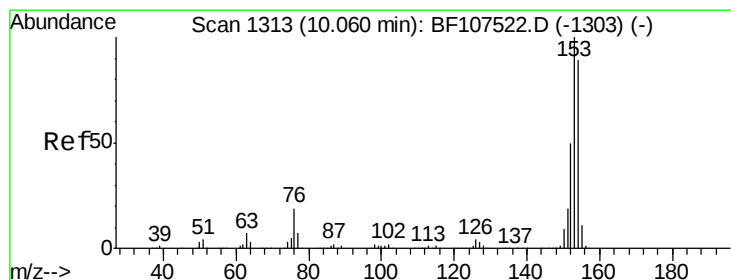
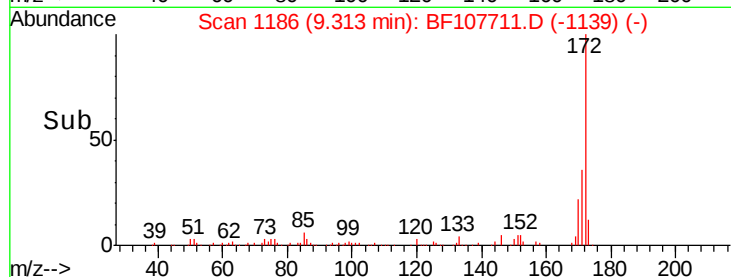
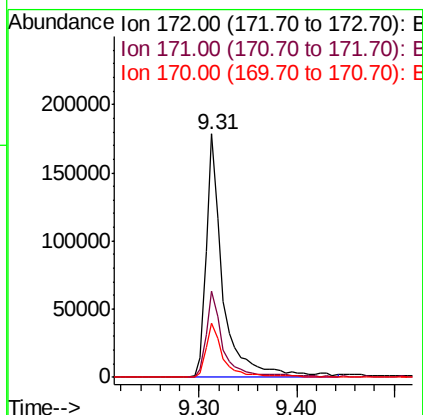
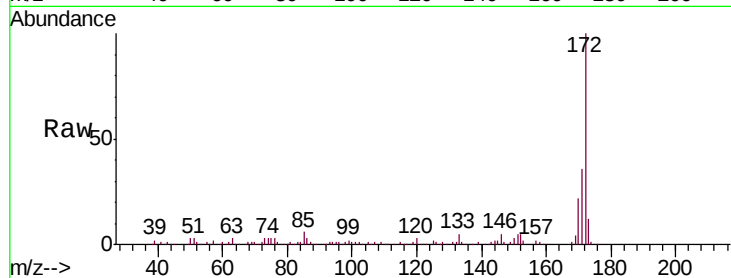




#44
2-Fluorobiphenyl
Concen: 4.848 ng
RT: 9.31 min Scan# 1186
Delta R.T. -0.02 min
Lab File: BF107711.D
Acq: 26 Jul 2018 20:27

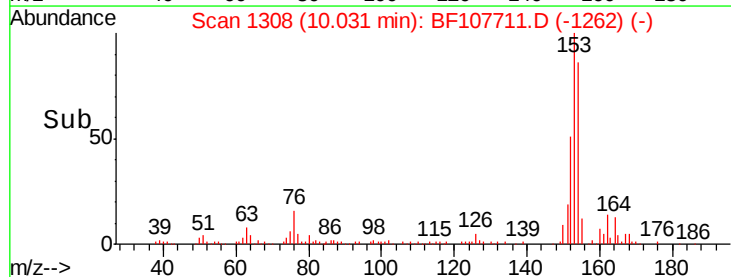
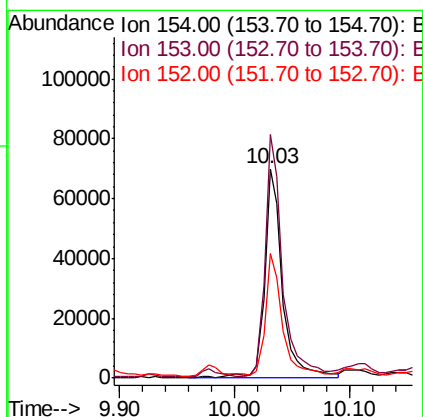
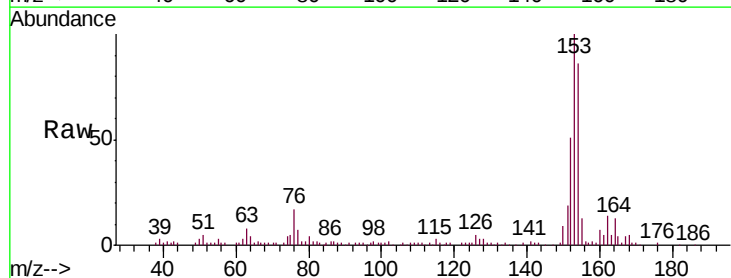
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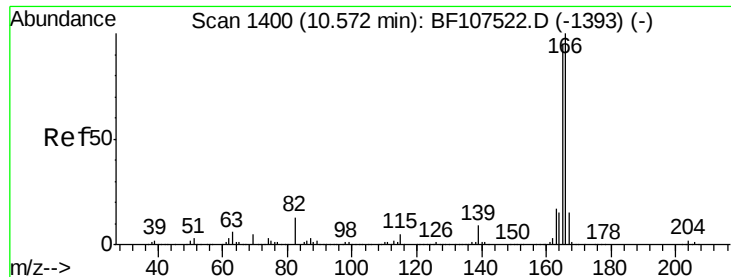
Tgt Ion:172 Resp: 214988
Ion Ratio Lower Upper
172 100
171 35.6 29.7 44.5
170 22.3 19.6 29.4



#51
Acenaphthene
Concen: 3.602 ng
RT: 10.03 min Scan# 1308
Delta R.T. -0.03 min
Lab File: BF107711.D
Acq: 26 Jul 2018 20:27

Tgt Ion:154 Resp: 76611
Ion Ratio Lower Upper
154 100
153 116.4 91.2 136.8
152 59.6 43.8 65.8

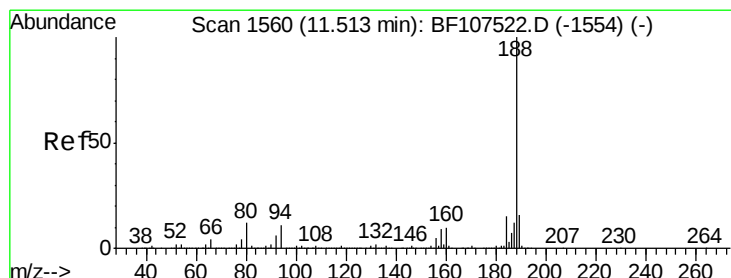
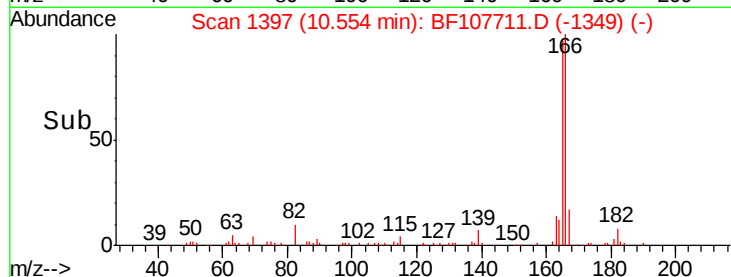
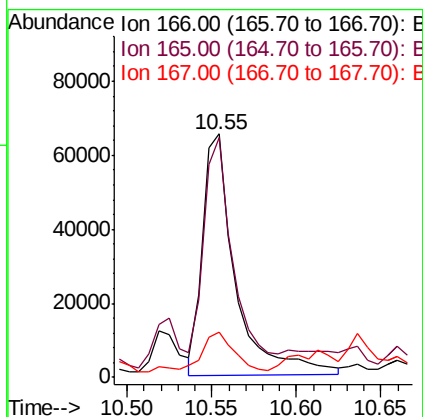
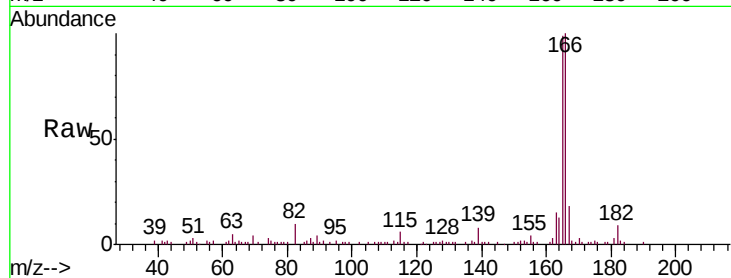




#57
 Fluorene
 Concen: 3.992 ng
 RT: 10.55 min Scan# 1397
 Delta R.T. -0.02 min
 Lab File: BF107711.D
 Acq: 26 Jul 2018 20:27

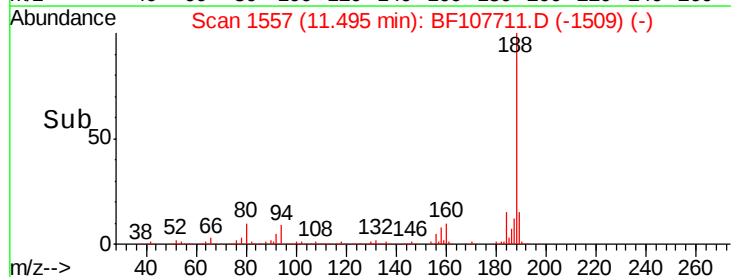
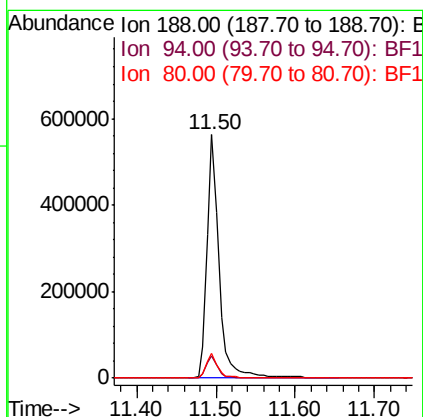
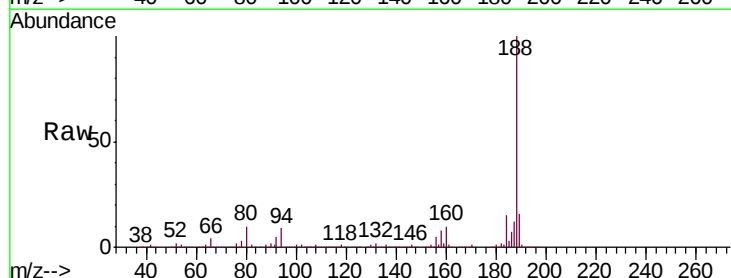
Instrument :
 BNA_F
 ClientSampleId :
 GW-04(10-12)

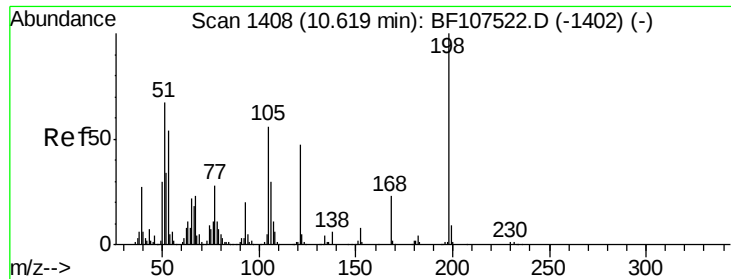
Tgt Ion:166 Resp: 89185
 Ion Ratio Lower Upper
 166 100
 165 98.6 79.8 119.8
 167 18.4 10.6 16.0#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1557
 Delta R.T. -0.02 min
 Lab File: BF107711.D
 Acq: 26 Jul 2018 20:27

Tgt Ion:188 Resp: 606662
 Ion Ratio Lower Upper
 188 100
 94 9.0 8.5 12.7
 80 10.0 9.2 13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 8.796 ng

RT: 10.86 min Scan# 1449

Delta R.T. 0.24 min

Lab File: BF107711.D

Acq: 26 Jul 2018 20:27

Instrument :

BNA_F

ClientSampleId :

GW-04(10-12)

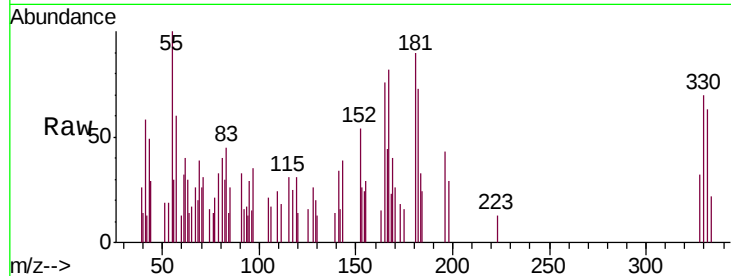
Tgt Ion:198 Resp: 413

Ion Ratio Lower Upper

198 100

51 63.6 37.7 77.7

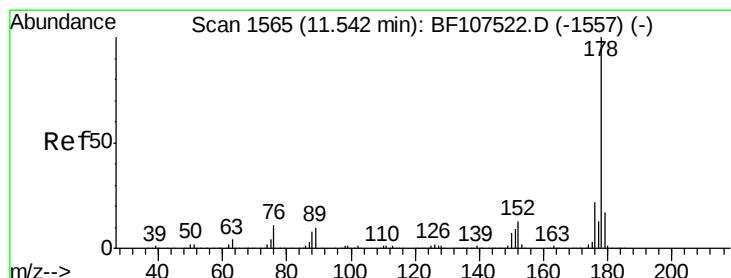
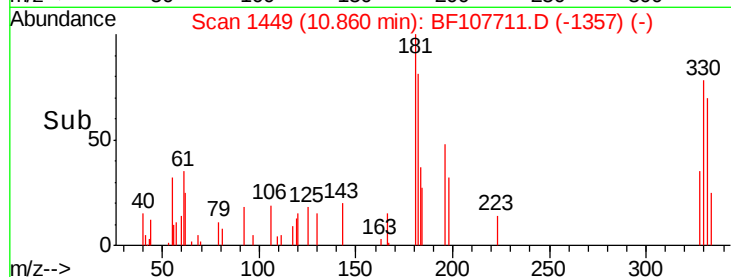
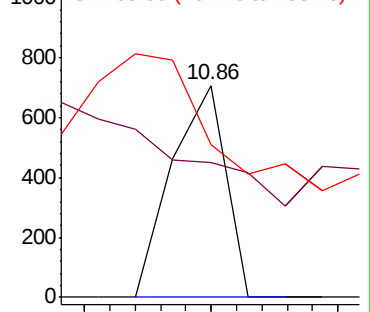
105 72.3 36.3 76.3



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: 15.585 ng

RT: 11.52 min Scan# 1561

Delta R.T. -0.02 min

Lab File: BF107711.D

Acq: 26 Jul 2018 20:27

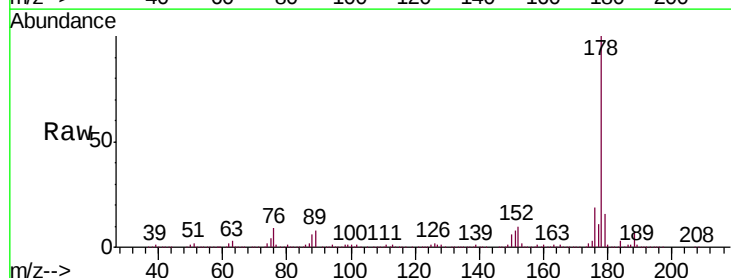
Tgt Ion:178 Resp: 460734

Ion Ratio Lower Upper

178 100

176 19.0 15.8 23.8

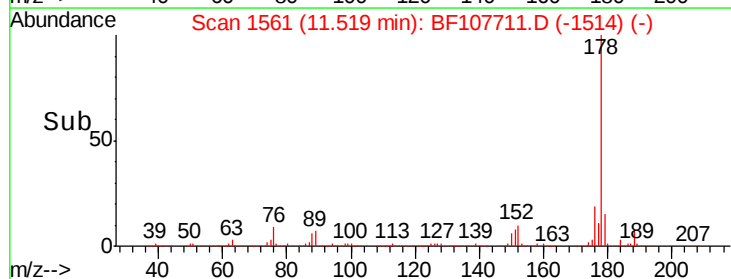
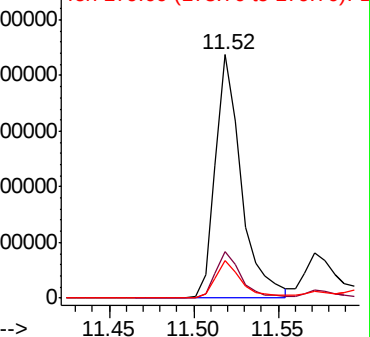
179 15.6 13.0 19.6

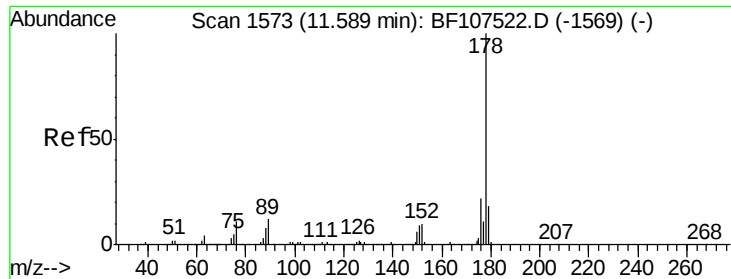


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

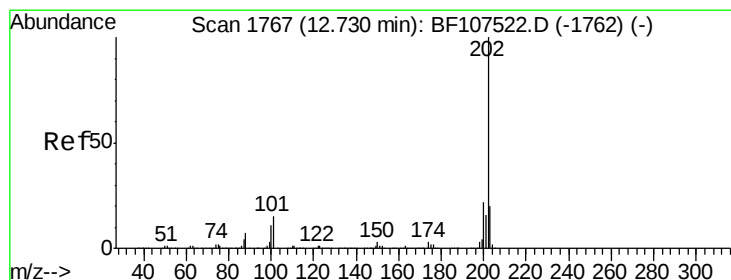
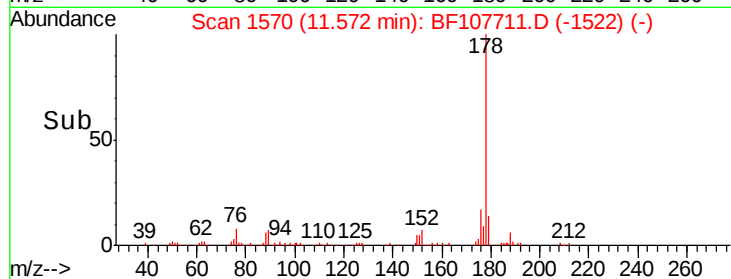
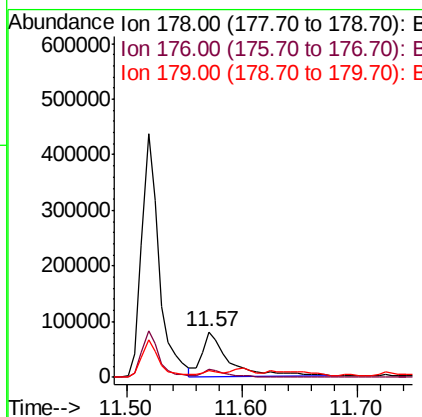
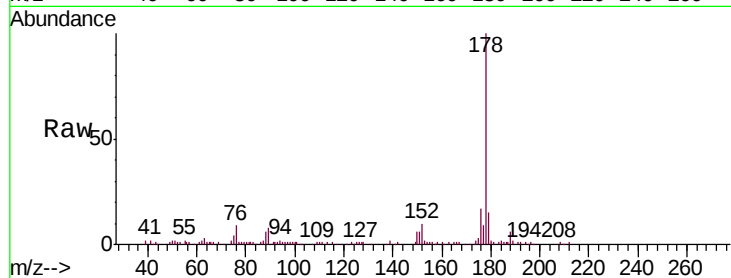




#71
 Anthracene
 Concen: 4.335 ng
 RT: 11.57 min Scan# 1570
 Delta R.T. -0.02 min
 Lab File: BF107711.D
 Acq: 26 Jul 2018 20:27

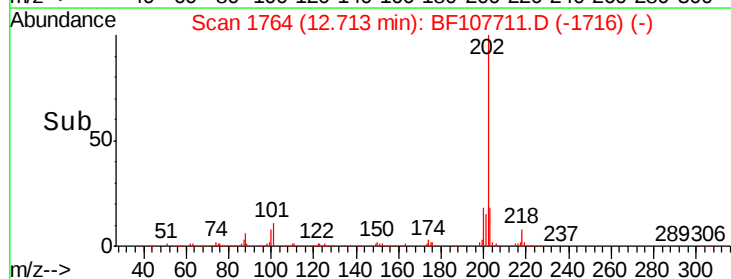
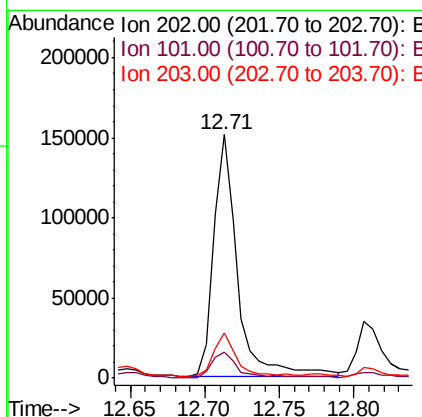
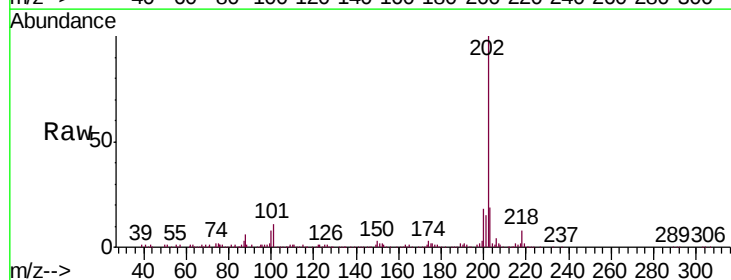
Instrument :
 BNA_F
 ClientSampleId :
 GW-04(10-12)

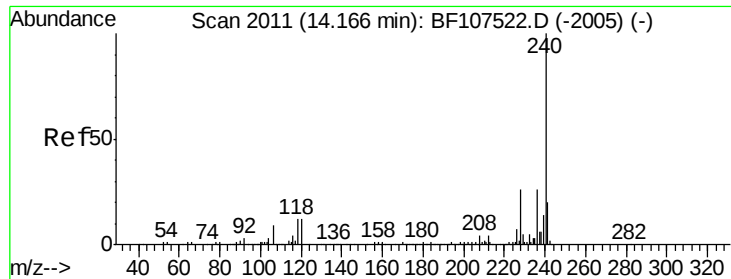
Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.2	15.4	23.2
179	15.4	12.6	19.0



#74
 Fluoranthene
 Concen: 5.267 ng
 RT: 12.71 min Scan# 1764
 Delta R.T. -0.02 min
 Lab File: BF107711.D
 Acq: 26 Jul 2018 20:27

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	34.1
203	18.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.02 min

Lab File: BF107711.D

Acq: 26 Jul 2018 20:27

Instrument :

BNA_F

ClientSampleId :

GW-04(10-12)

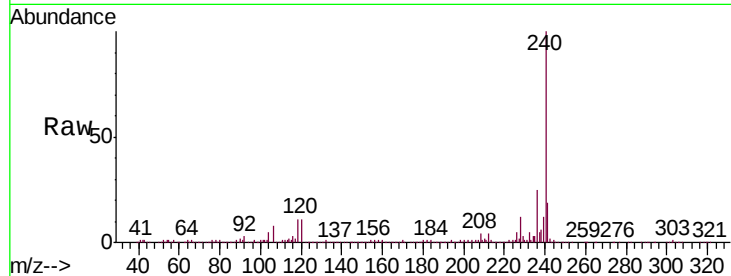
Tgt Ion:240 Resp: 409511

Ion Ratio Lower Upper

240 100

120 11.4 9.5 14.3

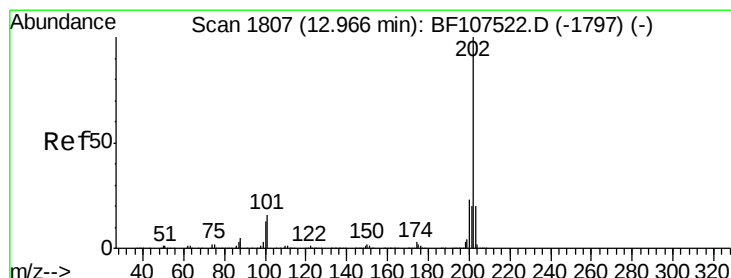
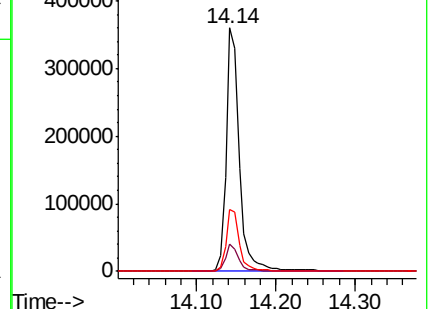
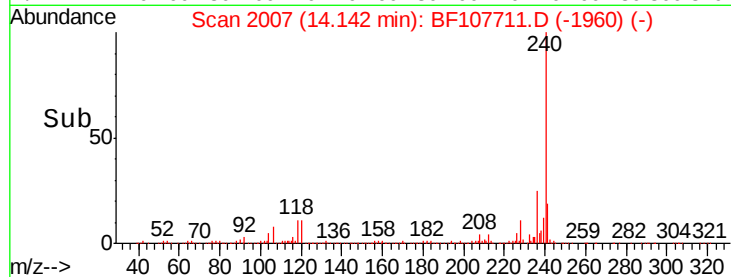
236 25.4 20.7 31.1



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: 9.380 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.02 min

Lab File: BF107711.D

Acq: 26 Jul 2018 20:27

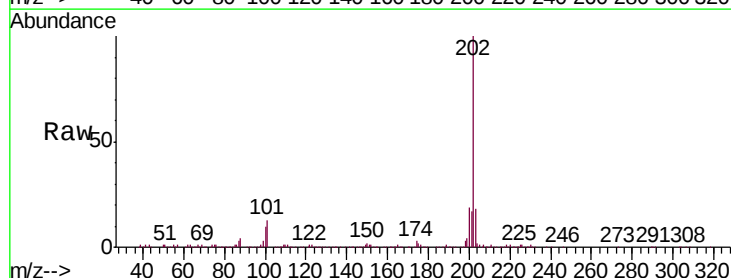
Tgt Ion:202 Resp: 262753

Ion Ratio Lower Upper

202 100

200 18.8 17.4 26.2

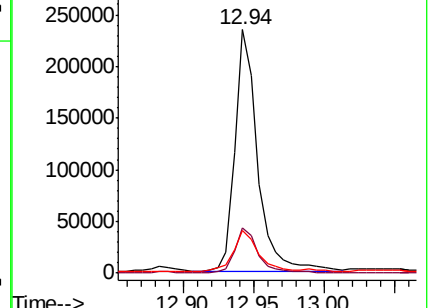
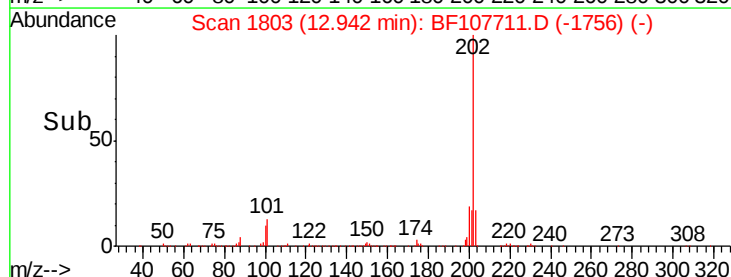
203 17.7 14.3 21.5

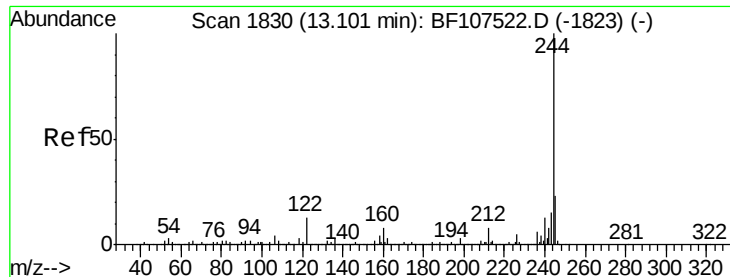


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

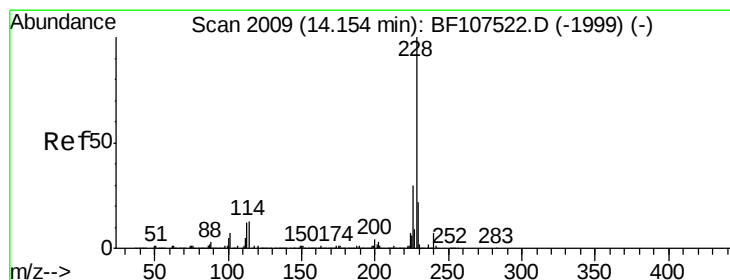
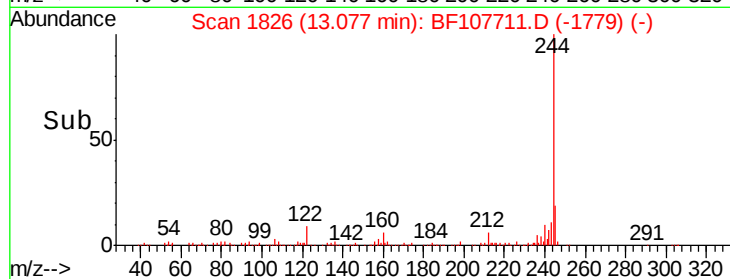
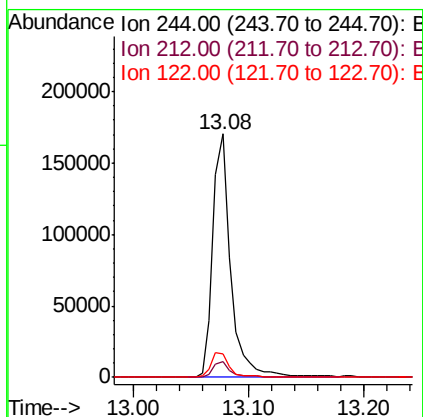
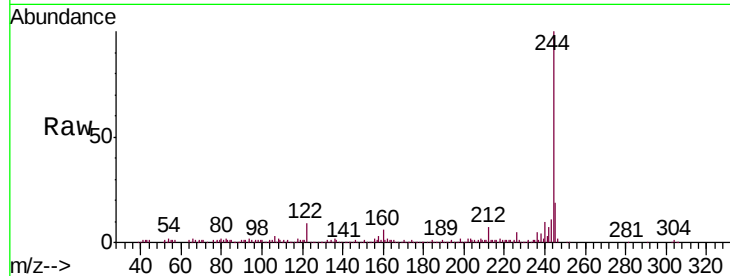




#78
 Terphenyl-d14
 Concen: 11.524 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.02 min
 Lab File: BF107711.D
 Acq: 26 Jul 2018 20:27

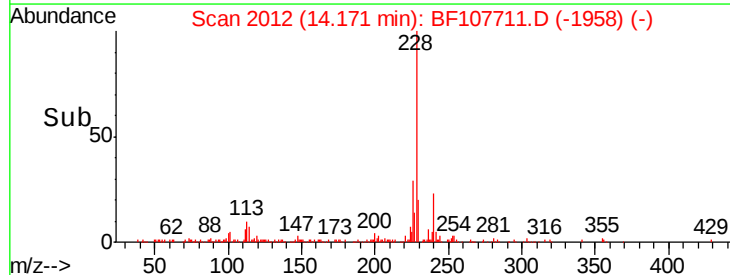
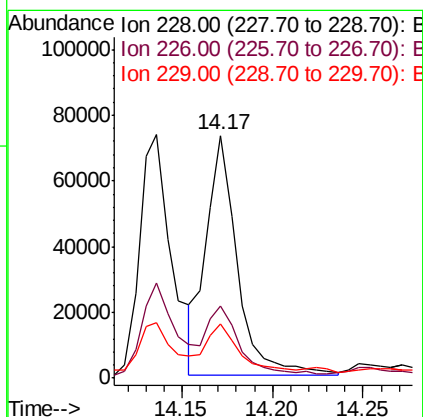
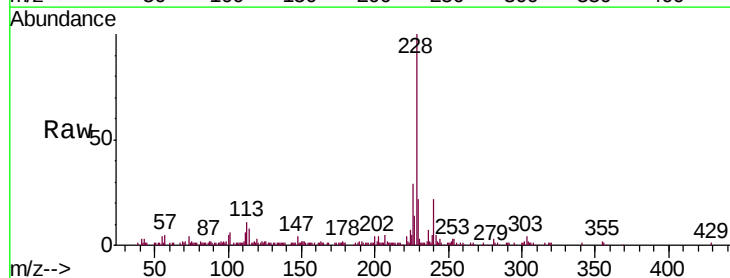
Instrument :
 BNA_F
 ClientSampleId :
 GW-04(10-12)

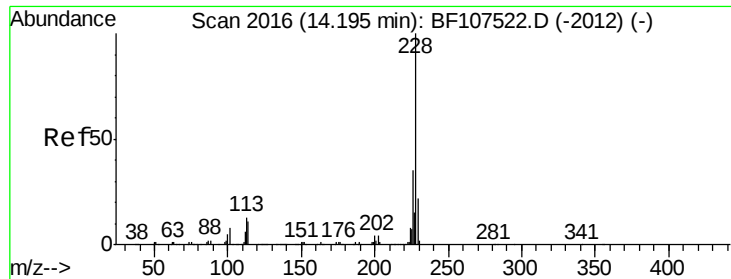
Tgt Ion:244 Resp: 184338
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 9.4 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 3.647 ng
 RT: 14.17 min Scan# 2012
 Delta R.T. 0.02 min
 Lab File: BF107711.D
 Acq: 26 Jul 2018 20:27

Tgt Ion:228 Resp: 87514
 Ion Ratio Lower Upper
 228 100
 226 29.5 22.6 33.8
 229 22.3 15.8 23.6

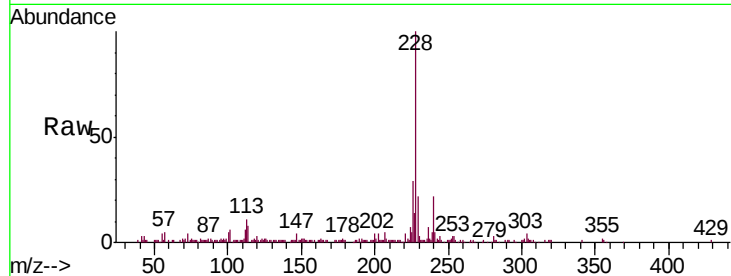




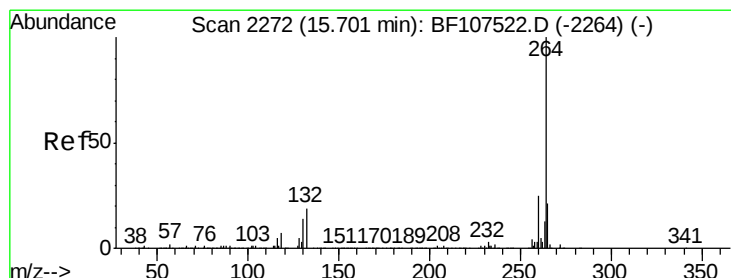
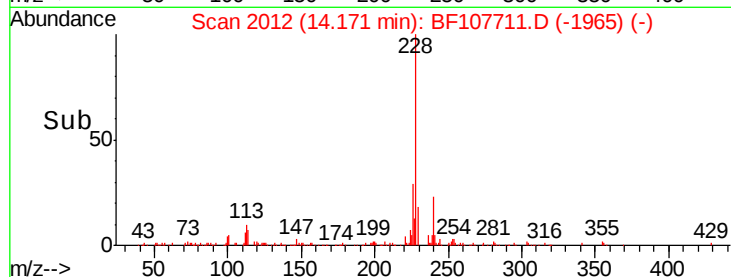
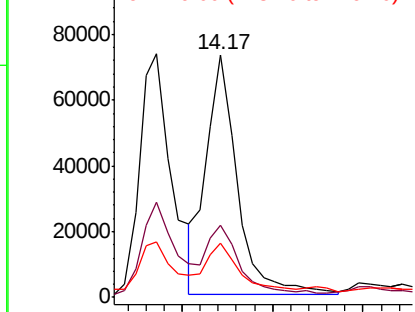
#82
Chrysene
Concen: 3.796 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.02 min
Lab File: BF107711.D
Acq: 26 Jul 2018 20:27

Instrument :
BNA_F
ClientSampleId :
GW-04(10-12)

Tgt Ion: 228 Resp: 87514
Ion Ratio Lower Upper
228 100
226 29.5 25.0 37.6
229 22.3 16.2 24.4

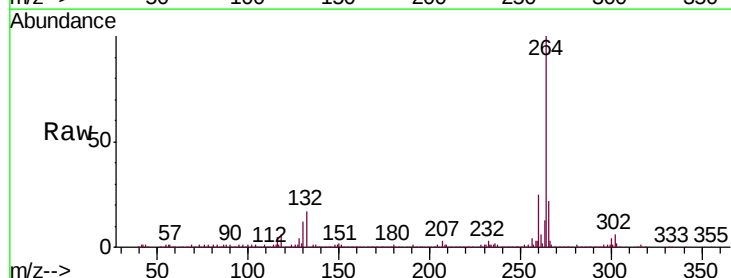


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

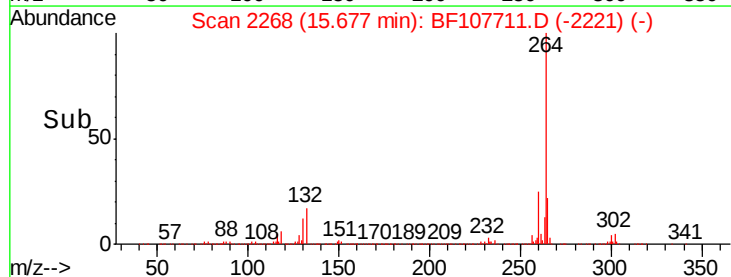
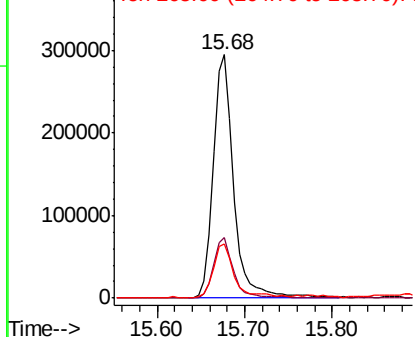


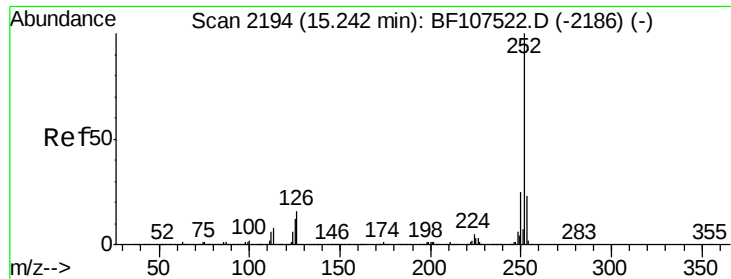
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.02 min
Lab File: BF107711.D
Acq: 26 Jul 2018 20:27

Tgt Ion: 264 Resp: 480242
Ion Ratio Lower Upper
264 100
260 24.7 19.2 28.8
265 22.3 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

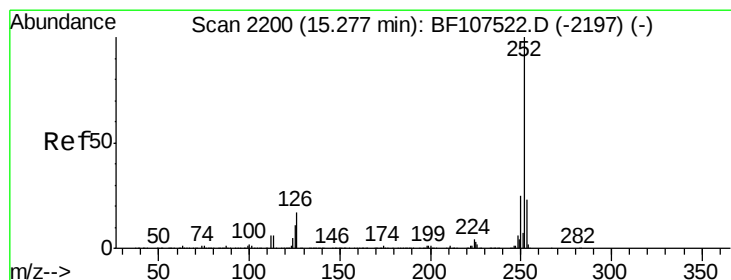
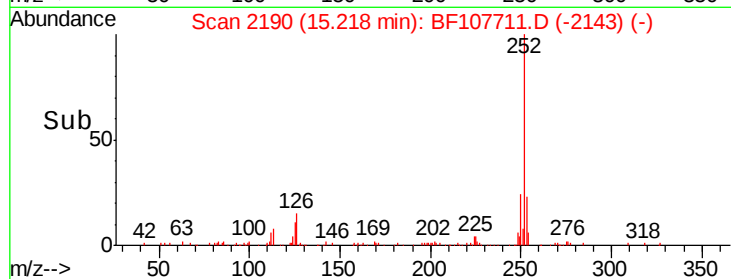
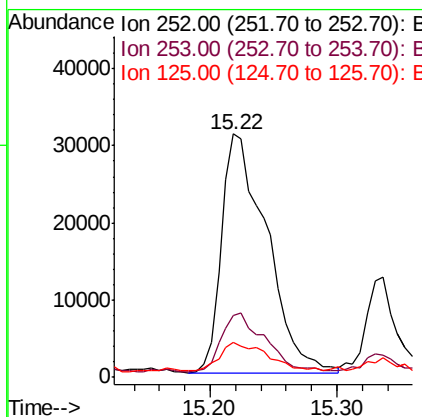
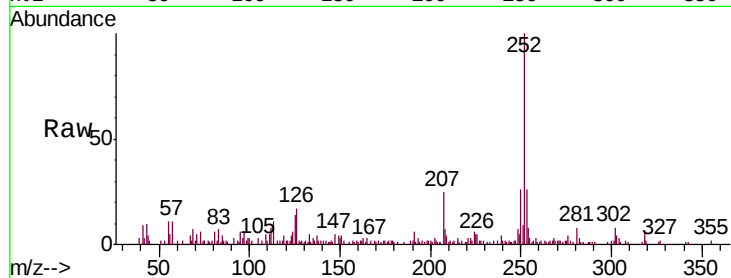




#87
Benzo(b)fluoranthene
Concen: 2.907 ng
RT: 15.22 min Scan# 2190
Delta R.T. -0.02 min
Lab File: BF107711.D
Acq: 26 Jul 2018 20:27

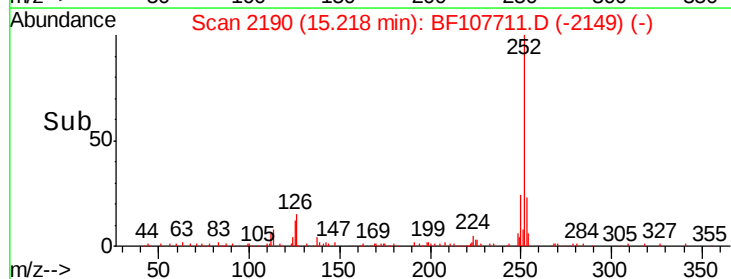
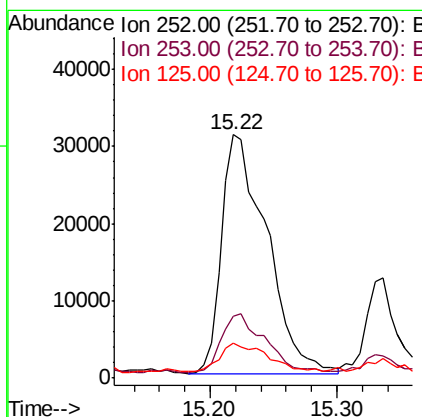
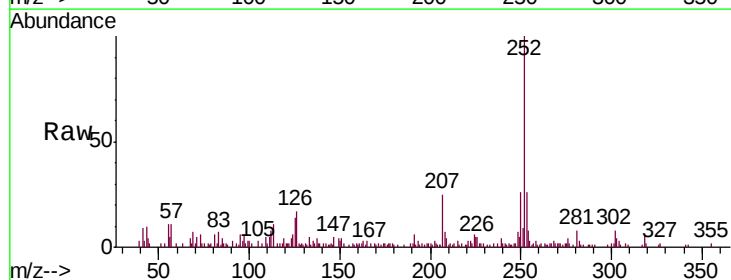
Instrument :
BNA_F
ClientSampleId :
GW-04(10-12)

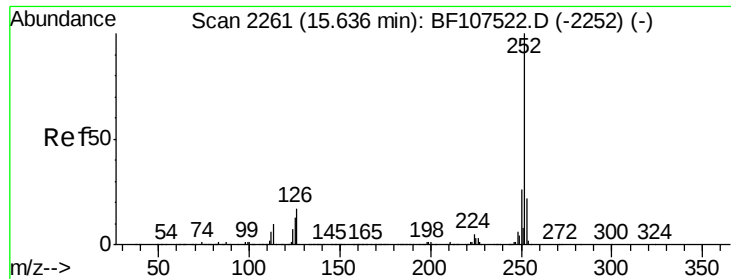
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.0	25.6#
125	14.3	9.0	13.6#



#88
Benzo(k)fluoranthene
Concen: 2.967 ng
RT: 15.22 min Scan# 2190
Delta R.T. -0.06 min
Lab File: BF107711.D
Acq: 26 Jul 2018 20:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.9	26.9
125	14.3	10.2	15.2





#89

Benzo(a)pyrene

Concen: 2.581 ng

RT: 15.61 min Scan# 2256

Delta R.T. -0.03 min

Lab File: BF107711.D

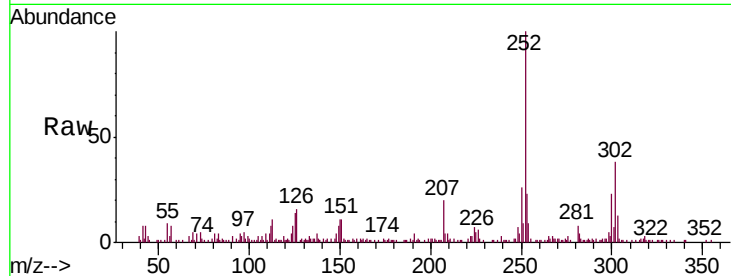
Acq: 26 Jul 2018 20:27

Instrument :

BNA_F

ClientSampleId :

GW-04(10-12)



Tgt Ion:	252	Resp:	62059
Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	14.4	9.8	14.6

