

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
 Data File : BF107710.D
 Acq On : 26 Jul 2018 19:59
 Operator : JU/SJ
 Sample : J4109-01 20X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GW-04(3-5)

Quant Time: Jul 27 01:13:47 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	145528	20.00	ng	-0.02
21) Naphthalene-d8	8.25	136	607844	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	309463	20.00	ng	-0.02
63) Phenanthrene-d10	11.50	188	510014	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	321995	20.00	ng	-0.01
86) Perylene-d12	15.68	264	435997	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.67	112	7166	0.79	ng	0.06
7) Phenol-d6	6.62	99	45140	4.15	ng	0.01
23) Nitrobenzene-d5	7.54	82	32283	3.58	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	15258	4.34	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	72784	-1.00	ng	-0.02
78) Terphenyl-d14	13.08	244	60826	4.84	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.48	77	109	Below Cal		# 1
20) 3+4-Methylphenols	7.41	107	48104	4.915	ng	86
27) 2,4-Dimethylphenol	7.92	122	19192	2.327	ng	92
31) Naphthalene	8.28	128	6011782	224.912	ng	# 90
32) Benzoic acid	8.04	122	18221	10.544	ng	# 22
33) 4-Chloroaniline	8.28	127	924138	79.102	ng	# 34
35) Caprolactam	8.96	113	36950	13.478	ng	# 1
37) 2-Methylnaphthalene	8.96	142	1746727	94.303	ng	97
45) 1,1'-Biphenyl	9.42	154	586895	21.771	ng	98
48) Acenaphthylene	9.87	152	1499831	48.454	ng	97
51) Acenaphthene	10.04	154	377840	19.482	ng	97
53) 2,4-Dinitrophenol	10.31	184	187	8.398	ng	# 1
54) Dibenzofuran	10.21	168	2093326	73.315	ng	96
55) 4-Nitrophenol	10.21	139	808063	191.588	ng	# 10
57) Fluorene	10.56	166	2380352	116.857	ng	96
61) 4-Nitroaniline	10.56	138	24630	5.204	ng	# 22
64) 4,6-Dinitro-2-methylphenol	10.74	198	141	8.728	ng	# 1
70) Phenanthrene	11.58	178	2136893	85.981	ng	98
71) Anthracene	11.58	178	2136893	85.396	ng	97
72) Carbazole	11.74	167	946984	36.393	ng	99
73) Di-n-butylphthalate	12.03	149	3490	Below Cal		# 1
74) Fluoranthene	12.73	202	4058874	152.193	ng	96
77) Pyrene	12.96	202	3314284	150.480	ng	95
80) Benzo(a)anthracene	14.14	228	1844770	97.765	ng	# 90
81) 3,3'-Dichlorobenzidine	14.10	252	925	Below Cal		# 61
82) Chrysene	14.18	228	1506619	83.119	ng	95
85) Indeno(1,2,3-cd)pyrene	17.26	276	697094	45.377	ng	# 87
87) Benzo(b)fluoranthene	15.24	252	2560495	107.306	ng	97
88) Benzo(k)fluoranthene	15.24	252	2560495	109.527	ng	97
89) Benzo(a)pyrene	15.62	252	1480080	67.810	ng	95
90) Dibenzo(a,h)anthracene	17.51	278	64606	3.424	ng	92
91) Benzo(g,h,i)perylene	17.74	276	566030	30.414	ng	# 92

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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GW-04(3-5)

Quant Time: Jul 27 01:13:47 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

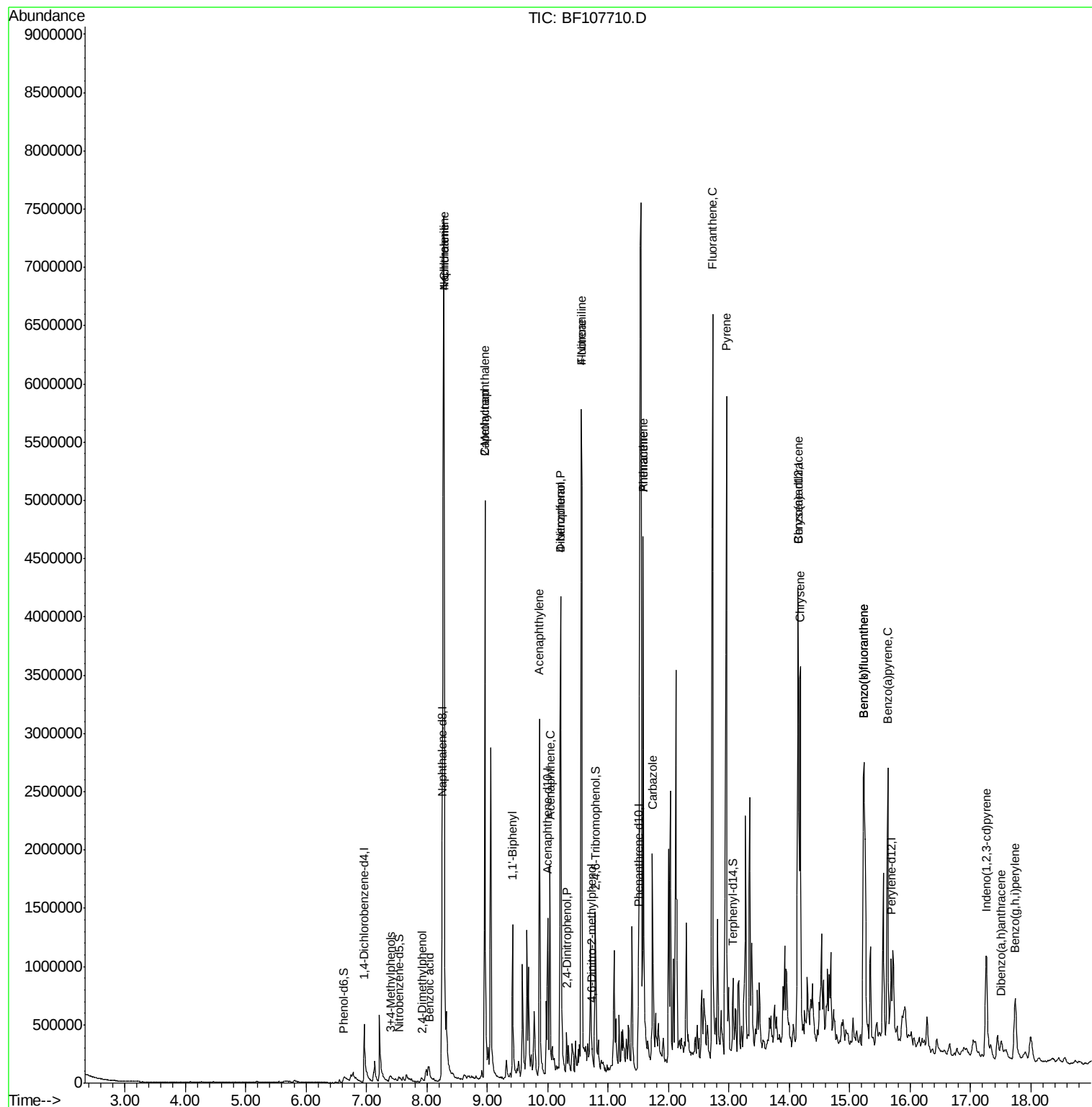
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

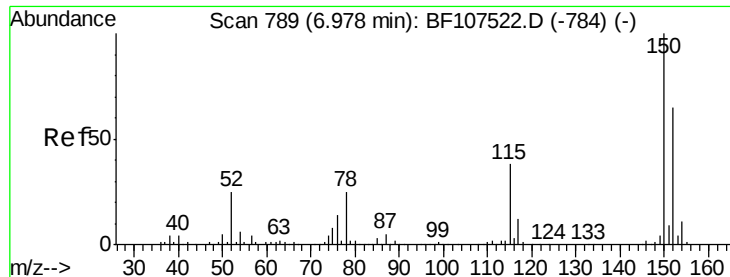
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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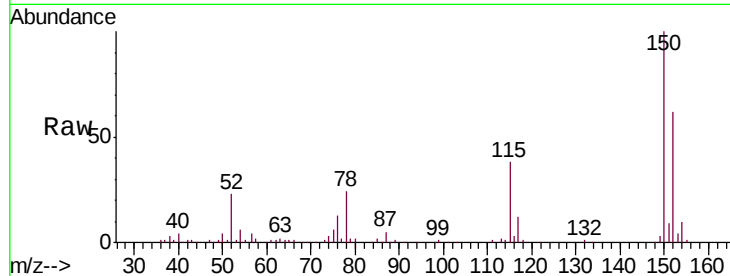


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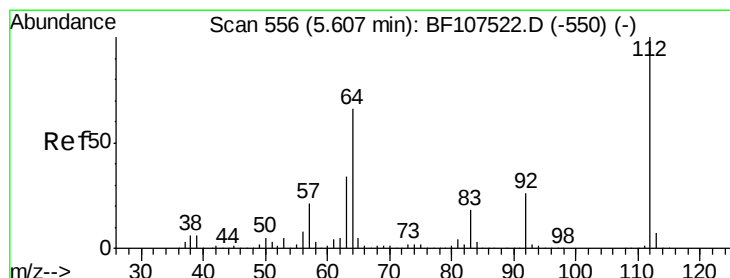
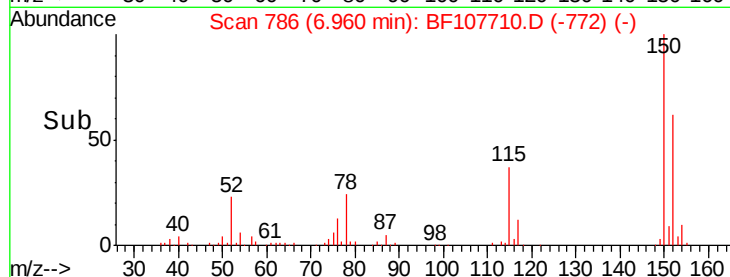
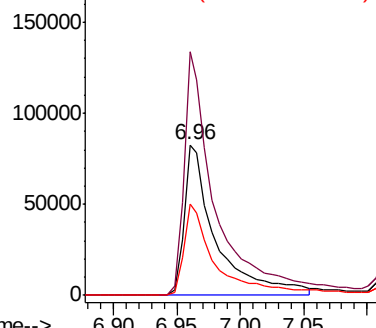
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.02 min
Lab File: BF107710.D
Acq: 26 Jul 2018 19:59

Instrument :
BNA_F
ClientSampleId :
GW-04(3-5)

Tgt Ion:152 Resp: 145528
Ion Ratio Lower Upper
152 100
150 161.9 124.6 186.8
115 61.1 50.1 75.1



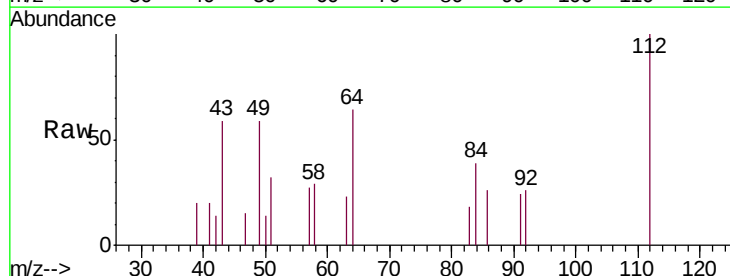
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



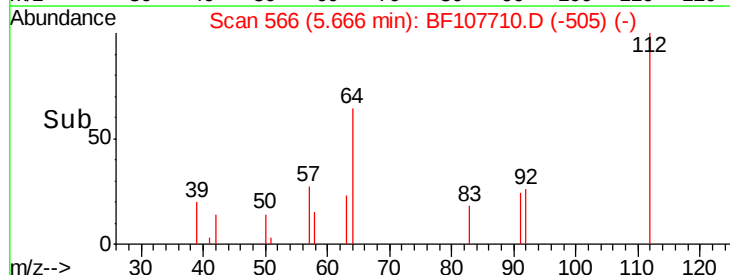
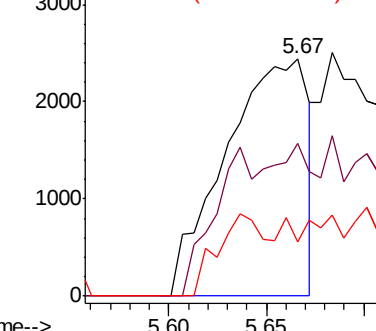
#5

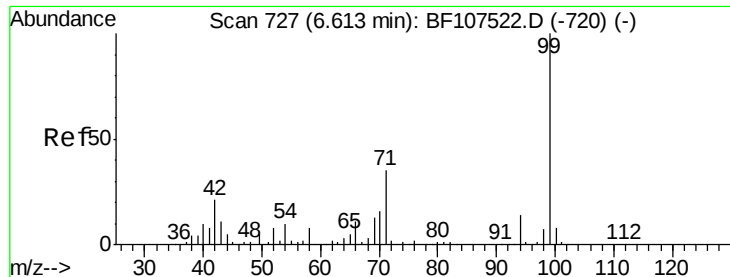
2-Fluorophenol
Concen: 0.792 ng
RT: 5.67 min Scan# 566
Delta R.T. 0.06 min
Lab File: BF107710.D
Acq: 26 Jul 2018 19:59

Tgt Ion:112 Resp: 7166
Ion Ratio Lower Upper
112 100
64 64.3 47.9 71.9
63 23.0 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: 4.153 ng

RT: 6.62 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF107710.D

Acq: 26 Jul 2018 19:59

Instrument :

BNA_F

ClientSampleId :

GW-04(3-5)

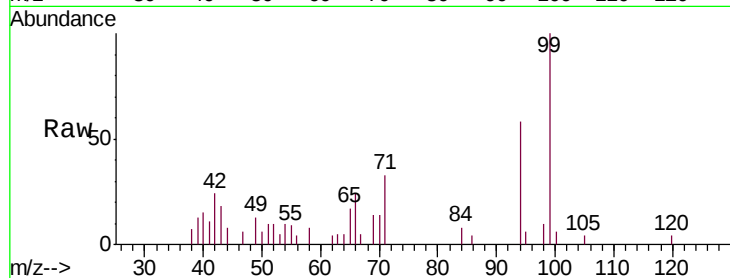
Tgt Ion: 99 Resp: 45140

Ion Ratio Lower Upper

99 100

42 24.0 14.5 21.7#

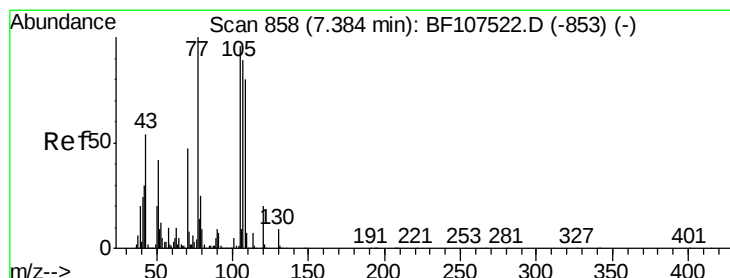
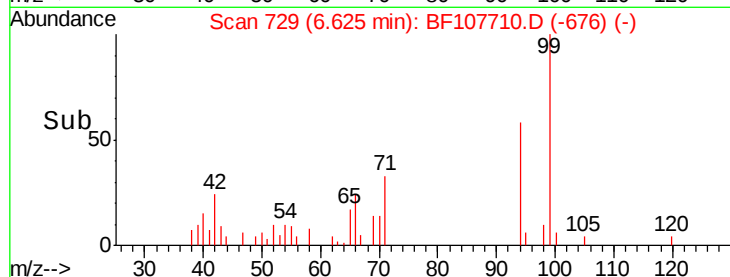
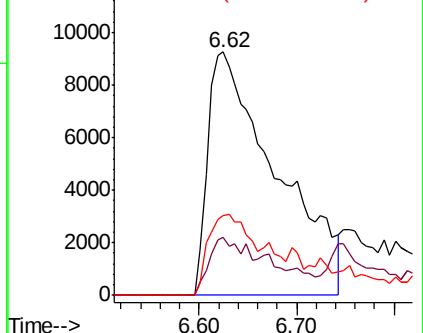
71 32.6 25.4 38.0



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



#20

3+4-Methylphenols

Concen: 4.915 ng

RT: 7.41 min Scan# 862

Delta R.T. 0.02 min

Lab File: BF107710.D

Acq: 26 Jul 2018 19:59

Tgt Ion: 107 Resp: 48104

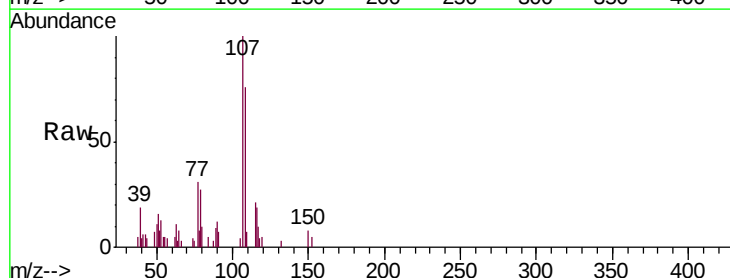
Ion Ratio Lower Upper

107 100

108 76.3 68.2 108.2

77 31.3 26.7 66.7

79 26.5 6.3 46.3

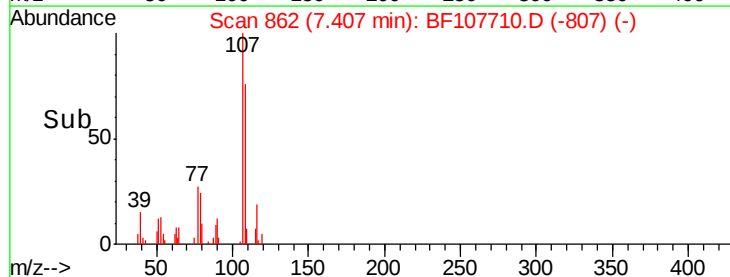
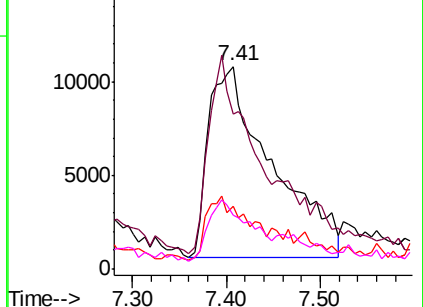


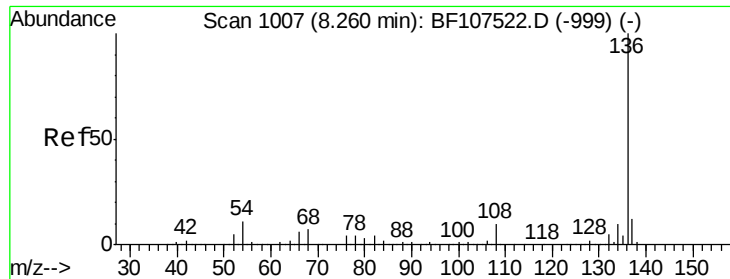
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

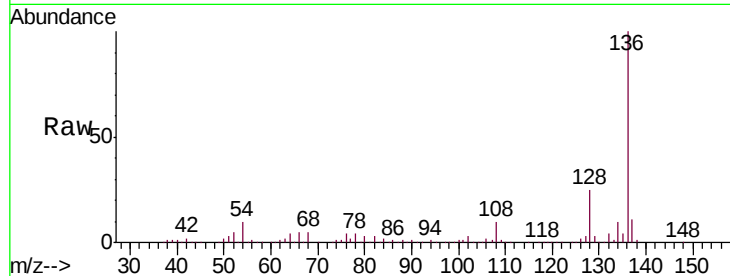




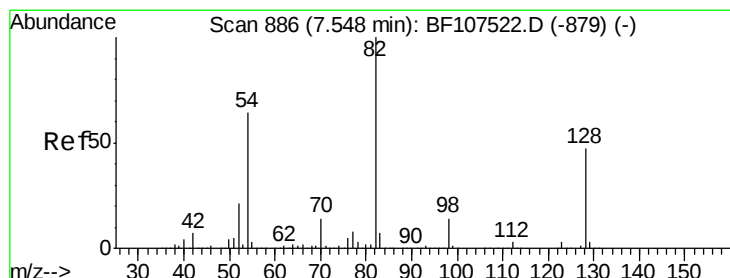
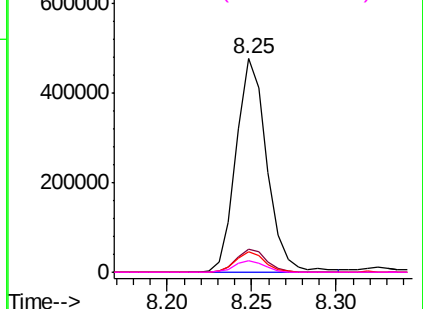
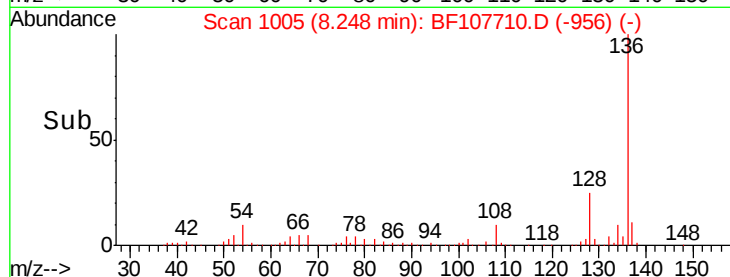
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF107710.D
Acq: 26 Jul 2018 19:59

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BNA_F
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GW-04(3-5)

Tgt Ion:	136	Resp:	607844
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	9.6	6.6	9.8
68	5.5	5.0	7.4

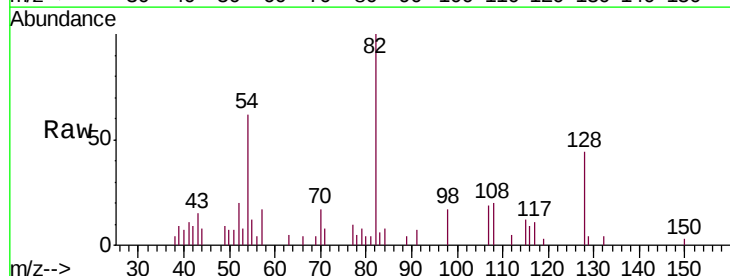


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

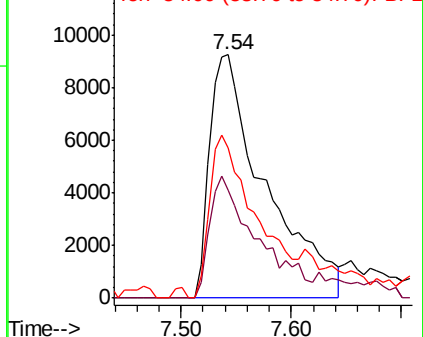
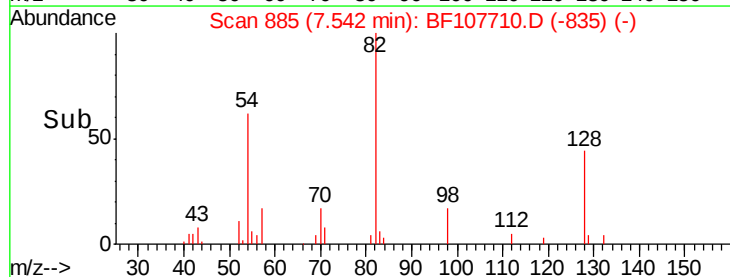


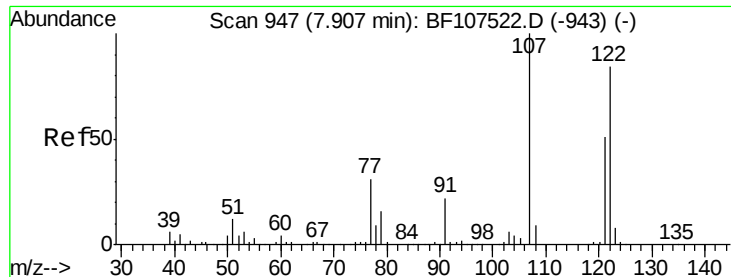
#23
Nitrobenzene-d5
Concen: 3.584 ng
RT: 7.54 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF107710.D
Acq: 26 Jul 2018 19:59

Tgt Ion:	82	Resp:	32283
Ion	Ratio	Lower	Upper
82	100		
128	44.1	36.1	54.1
54	61.9	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

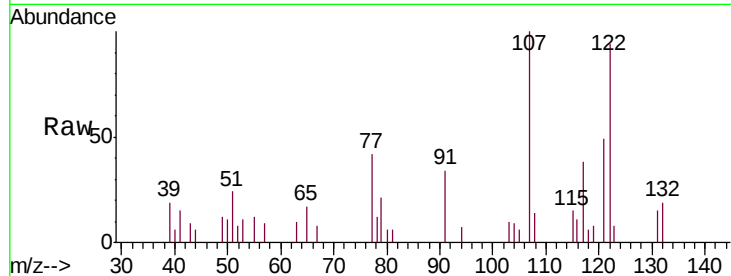




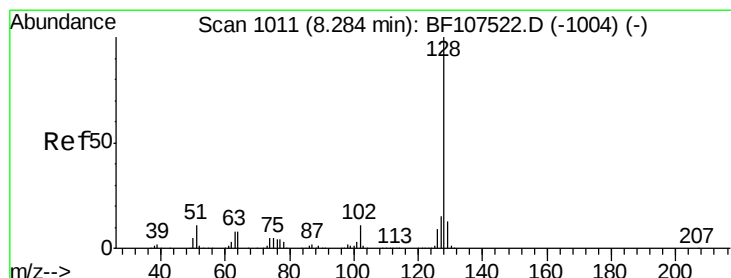
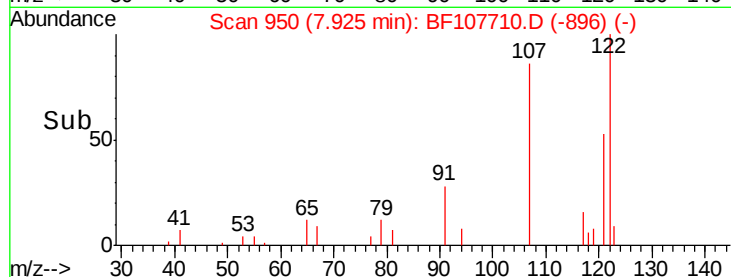
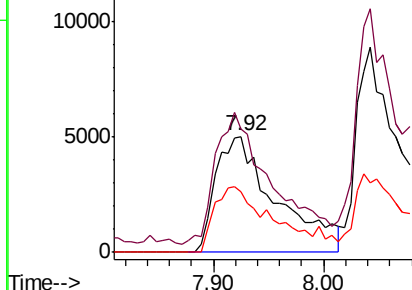
#27
2,4-Dimethylphenol
Concen: 2.327 ng
RT: 7.92 min Scan# 950
Delta R.T. 0.02 min
Lab File: BF107710.D
Acq: 26 Jul 2018 19:59

Instrument :
BNA_F
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GW-04(3-5)

Tgt Ion:122 Resp: 19192
Ion Ratio Lower Upper
122 100
107 106.2 91.2 136.8
121 52.6 47.2 70.8

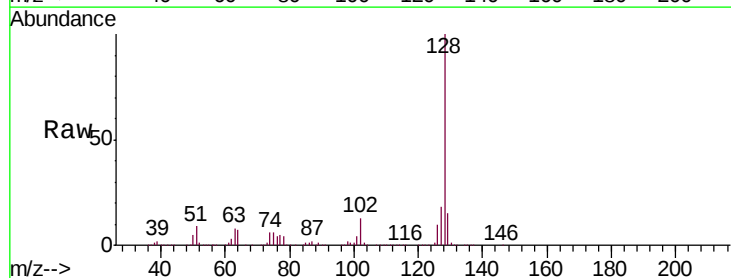


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

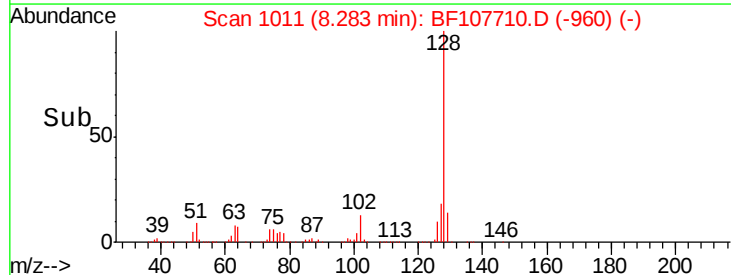
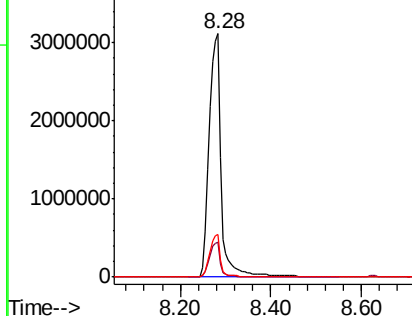


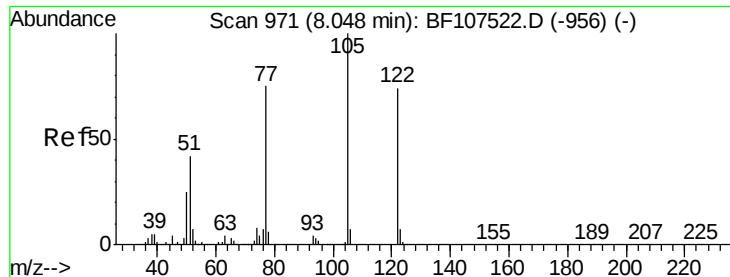
#31
Naphthalene
Concen: 224.912 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.00 min
Lab File: BF107710.D
Acq: 26 Jul 2018 19:59

Tgt Ion:128 Resp: 6011782
Ion Ratio Lower Upper
128 100
129 14.6 8.8 13.2#
127 17.6 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

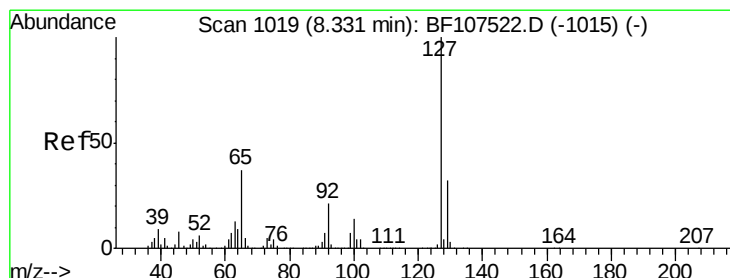
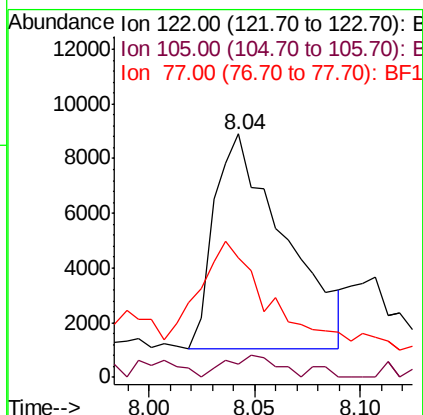
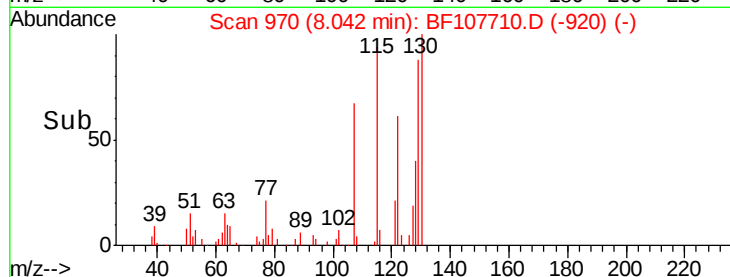
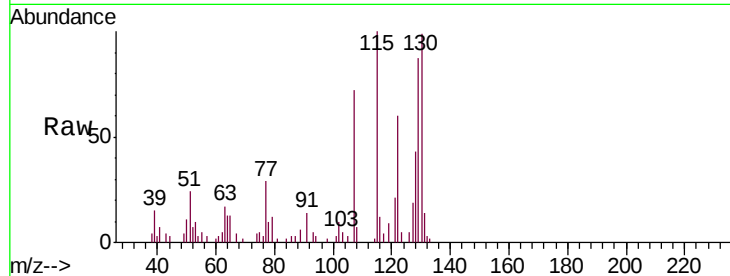




#32
Benzoic acid
Concen: 10.544 ng
RT: 8.04 min Scan# 970
Delta R.T. -0.01 min
Lab File: BF107710.D
Acq: 26 Jul 2018 19:59

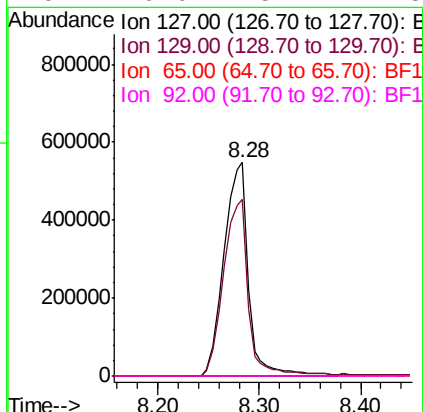
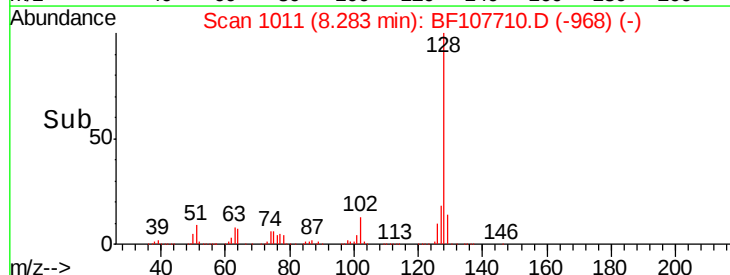
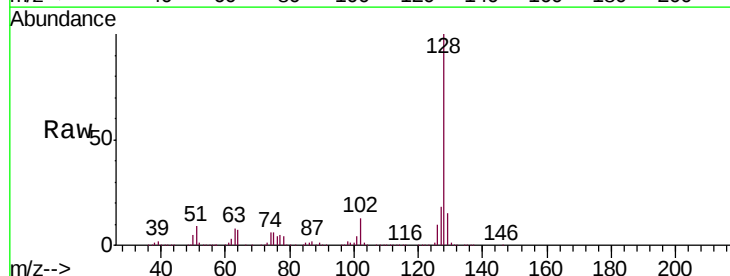
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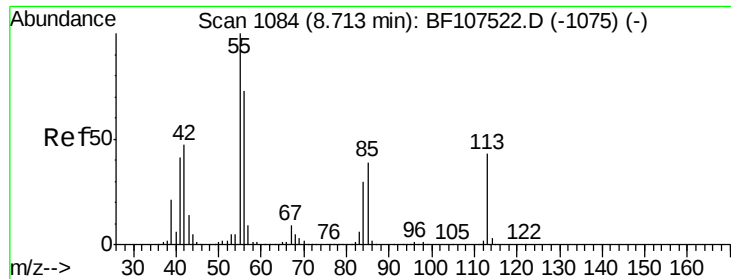
Tgt Ion	Ratio	Lower	Upper
122	100		
105	5.3	101.1	141.1#
77	48.8	70.7	110.7#



#33
4-Chloroaniline
Concen: 79.102 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.05 min
Lab File: BF107710.D
Acq: 26 Jul 2018 19:59

Tgt Ion	Ratio	Lower	Upper
127	100		
129	82.7	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#

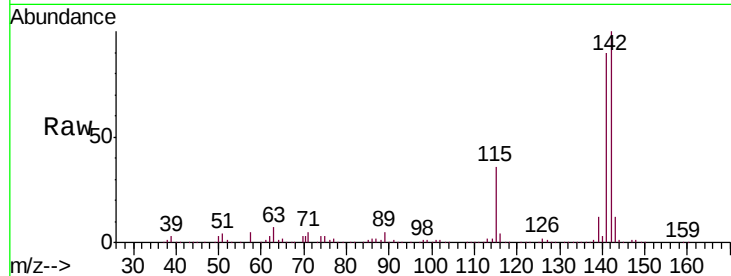




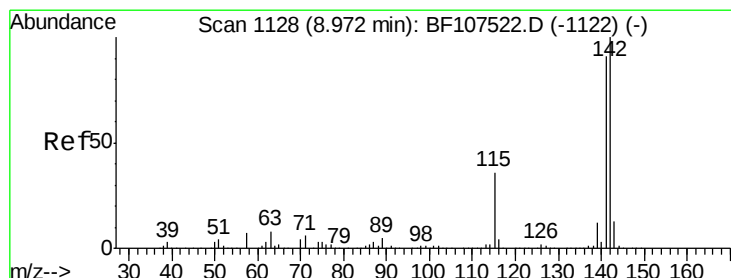
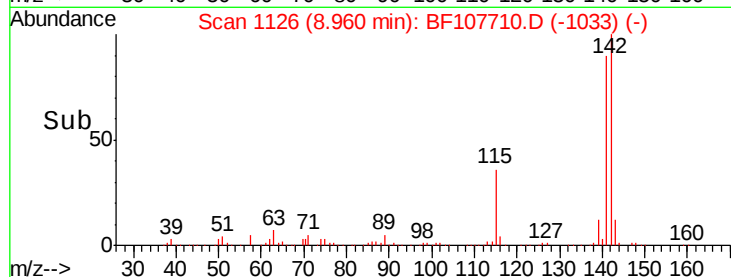
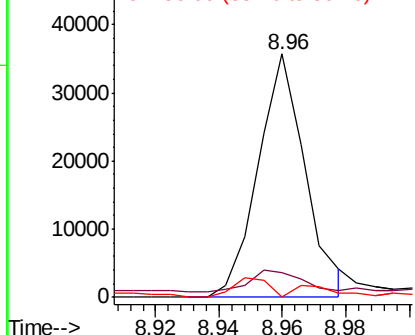
#35
 Caprolactam
 Concen: 13.478 ng
 RT: 8.96 min Scan# 1126
 Delta R.T. 0.25 min
 Lab File: BF107710.D
 Acq: 26 Jul 2018 19:59

Instrument :
 BNA_F
 ClientSampleId :
 GW-04(3-5)

Tgt Ion:113 Resp: 36950
 Ion Ratio Lower Upper
 113 100
 55 10.0 163.3 203.3#
 56 0.0 115.7 155.7#

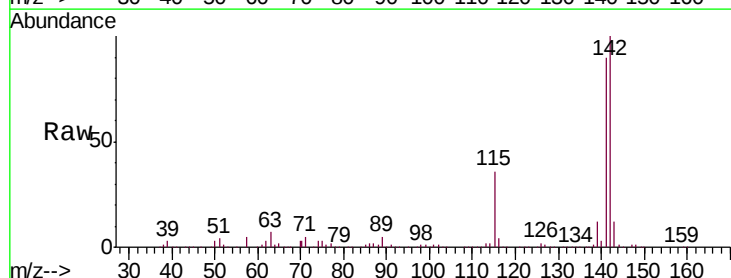


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

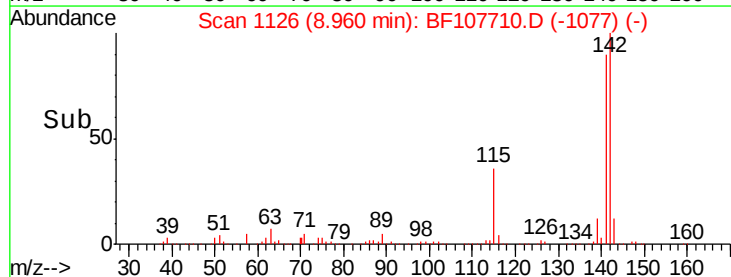
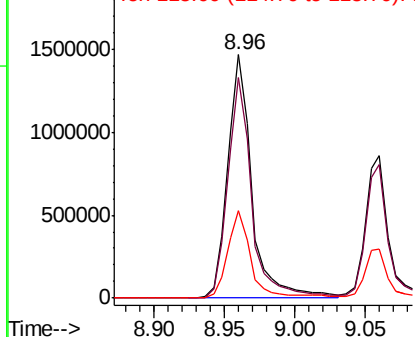


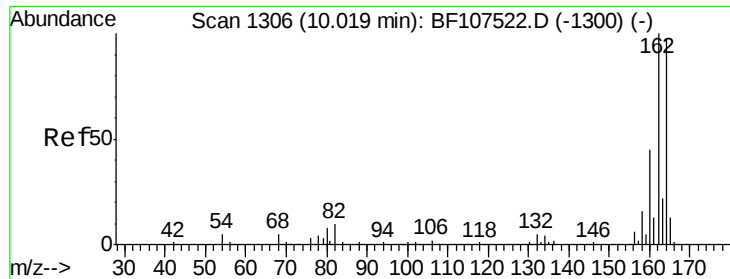
#37
 2-Methylnaphthalene
 Concen: 94.303 ng
 RT: 8.96 min Scan# 1126
 Delta R.T. -0.01 min
 Lab File: BF107710.D
 Acq: 26 Jul 2018 19:59

Tgt Ion:142 Resp: 1746727
 Ion Ratio Lower Upper
 142 100
 141 90.5 70.8 106.2
 115 35.8 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

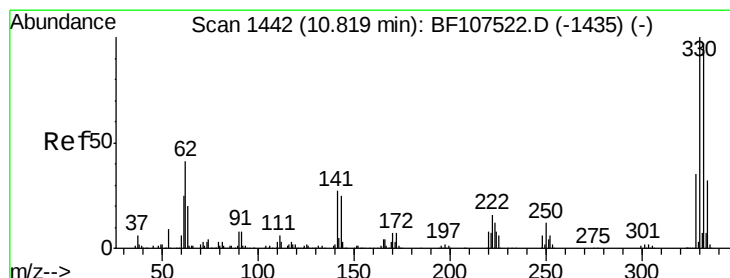
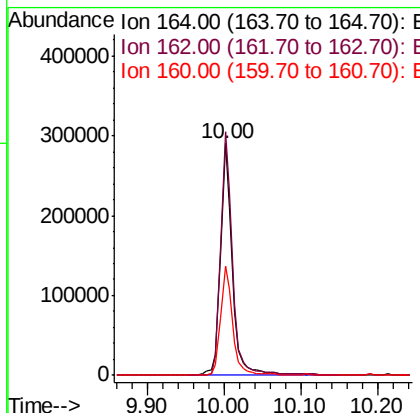
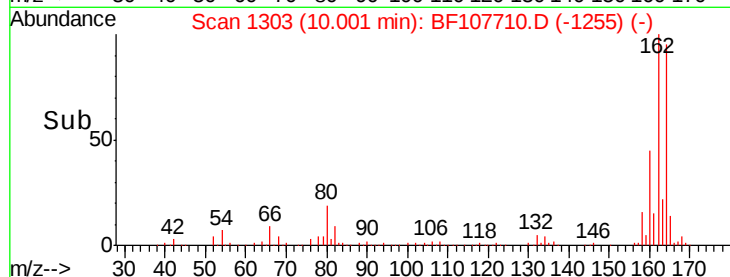
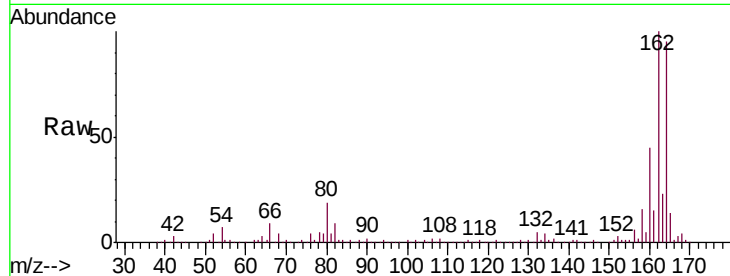




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.02 min
 Lab File: BF107710.D
 Acq: 26 Jul 2018 19:59

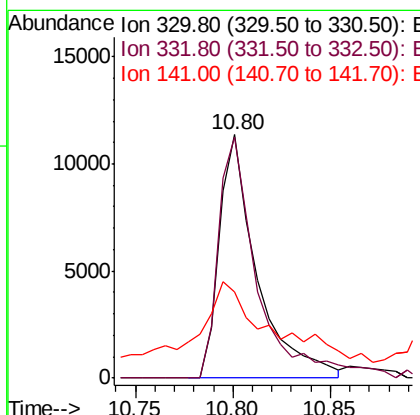
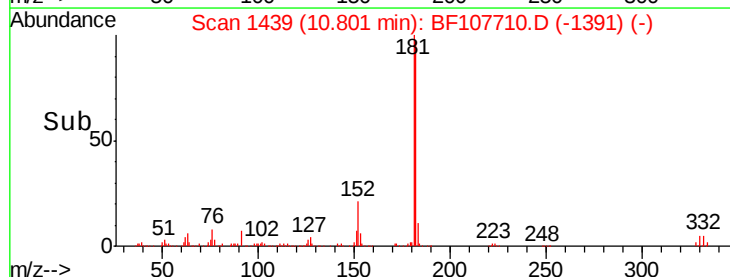
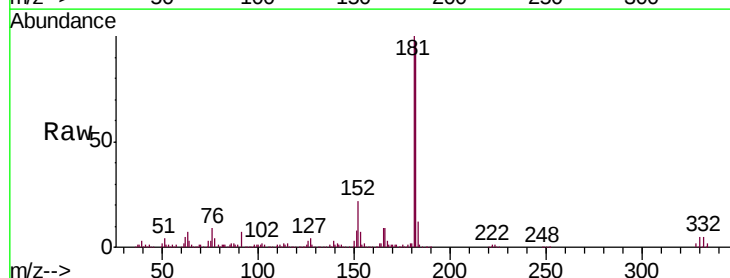
Instrument :
 BNA_F
 ClientSampleId :
 GW-04(3-5)

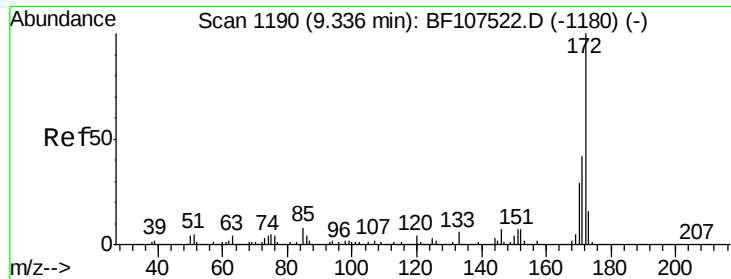
Tgt Ion:164 Resp: 309463
 Ion Ratio Lower Upper
 164 100
 162 105.1 86.1 129.1
 160 47.1 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 4.336 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.02 min
 Lab File: BF107710.D
 Acq: 26 Jul 2018 19:59

Tgt Ion:330 Resp: 15258
 Ion Ratio Lower Upper
 330 100
 332 103.6 77.0 115.6
 141 60.0 29.9 44.9#

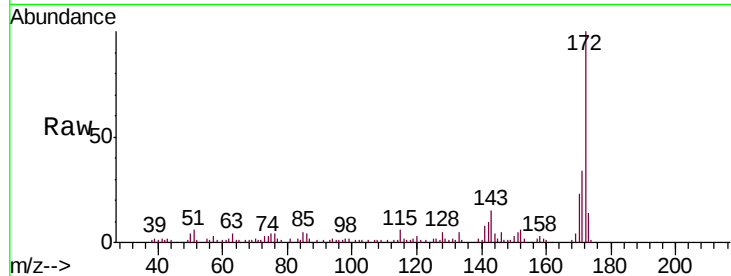




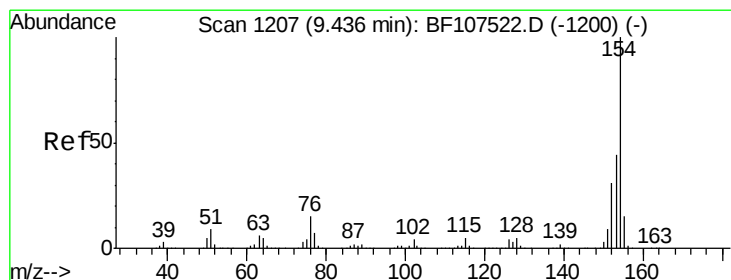
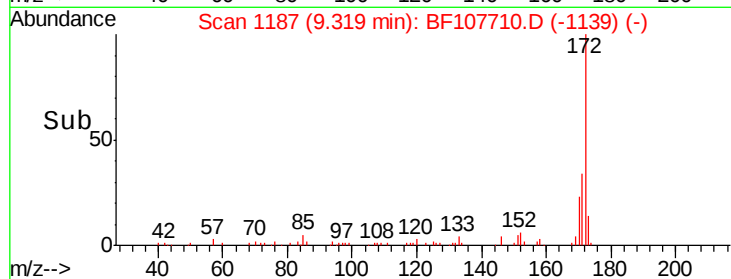
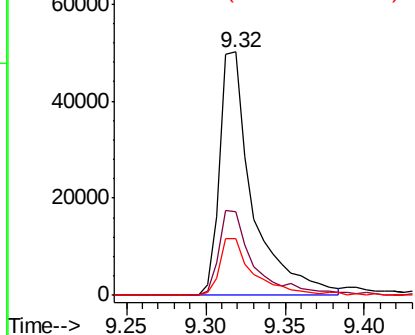
#44
2-Fluorobiphenyl
Concen: -1.000 ng
RT: 9.32 min Scan# 1187
Delta R.T. -0.02 min
Lab File: BF107710.D
Acq: 26 Jul 2018 19:59

Instrument :
BNA_F
ClientSampleId :
GW-04(3-5)

Tgt Ion:172 Resp: 72784
Ion Ratio Lower Upper
172 100
171 34.2 29.7 44.5
170 23.2 19.6 29.4

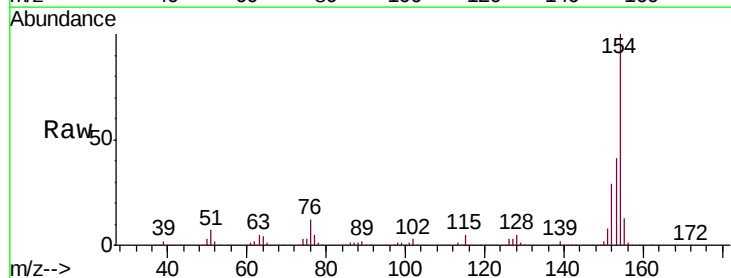


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

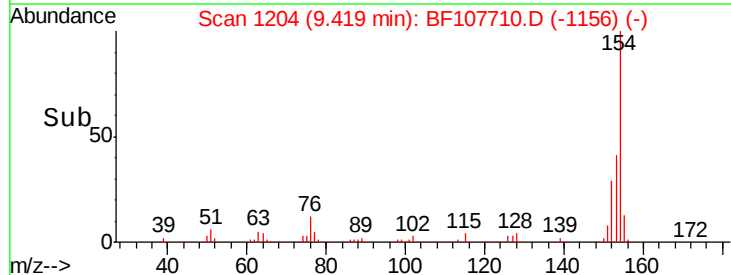
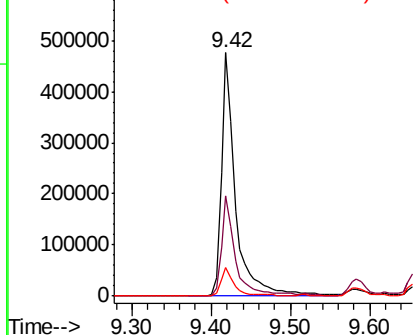


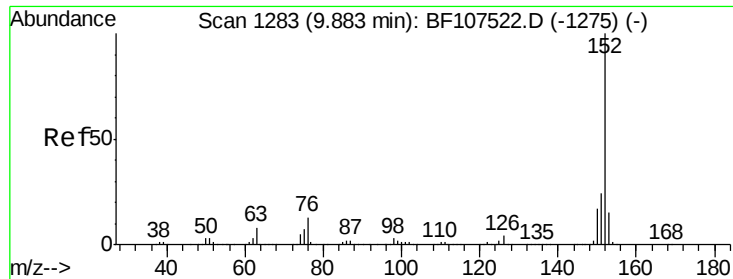
#45
1,1'-Biphenyl
Concen: 21.771 ng
RT: 9.42 min Scan# 1204
Delta R.T. -0.02 min
Lab File: BF107710.D
Acq: 26 Jul 2018 19:59

Tgt Ion:154 Resp: 586895
Ion Ratio Lower Upper
154 100
153 41.0 21.3 61.3
76 11.8 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1

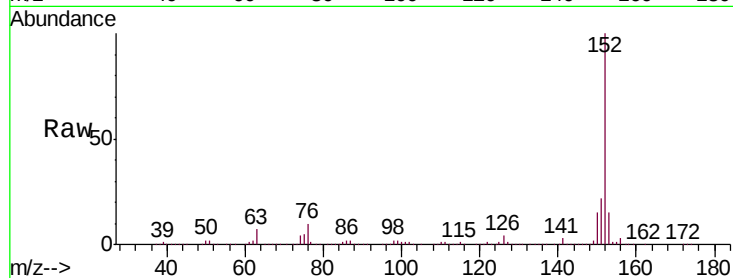




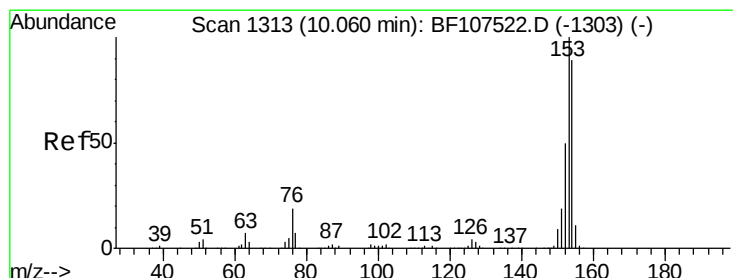
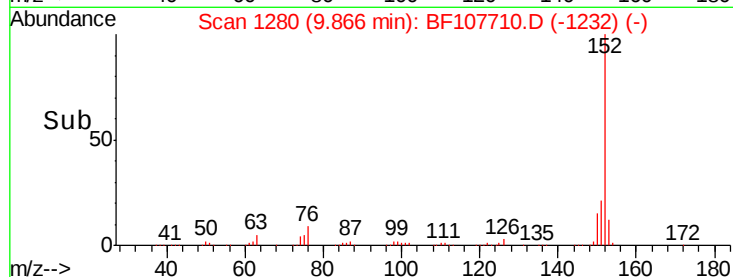
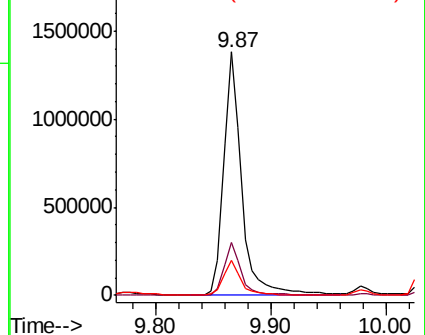
#48
Acenaphthylene
Concen: 48.454 ng
RT: 9.87 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BF107710.D
Acq: 26 Jul 2018 19:59

Instrument :
BNA_F
ClientSampleId :
GW-04(3-5)

Tgt Ion:152 Resp: 1499831
Ion Ratio Lower Upper
152 100
151 21.5 16.3 24.5
153 14.5 10.7 16.1

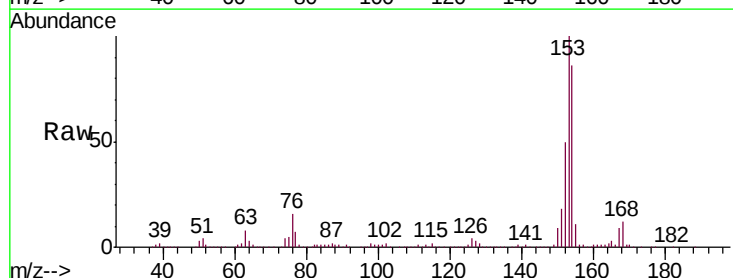


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

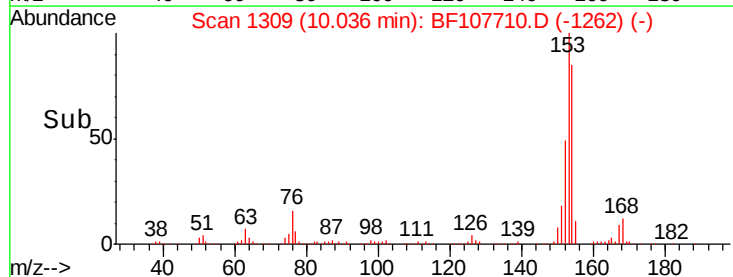
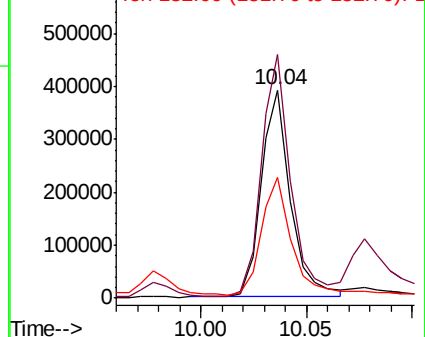


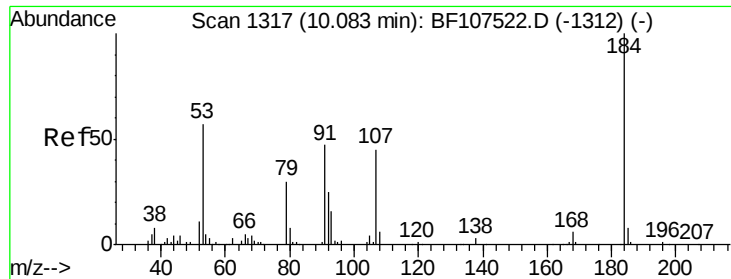
#51
Acenaphthene
Concen: 19.482 ng
RT: 10.04 min Scan# 1309
Delta R.T. -0.02 min
Lab File: BF107710.D
Acq: 26 Jul 2018 19:59

Tgt Ion:154 Resp: 377840
Ion Ratio Lower Upper
154 100
153 116.9 91.2 136.8
152 57.9 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





#53

2,4-Dinitrophenol

Concen: 8.398 ng

RT: 10.31 min Scan# 1356

Delta R.T. 0.23 min

Lab File: BF107710.D

Acq: 26 Jul 2018 19:59

Instrument :

BNA_F

ClientSampleId :

GW-04(3-5)

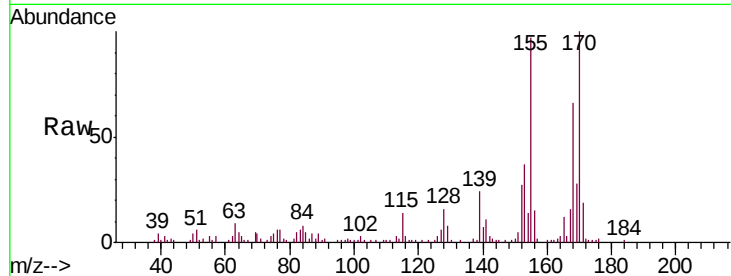
Tgt Ion:184 Resp: 187

Ion Ratio Lower Upper

184 100

63 1029.3 54.2 81.2#

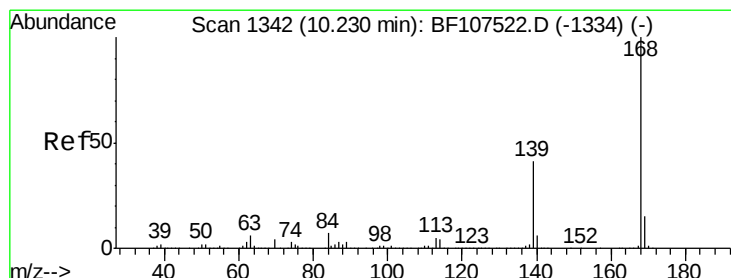
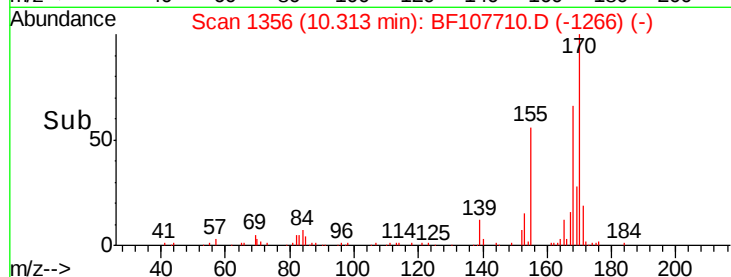
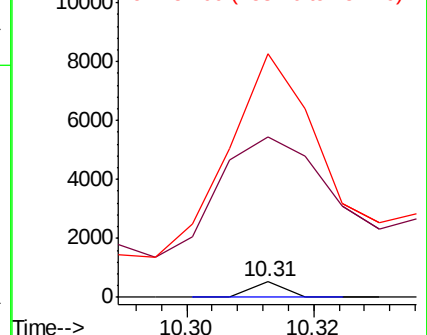
154 1562.4 184.0 276.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 73.315 ng

RT: 10.21 min Scan# 1339

Delta R.T. -0.02 min

Lab File: BF107710.D

Acq: 26 Jul 2018 19:59

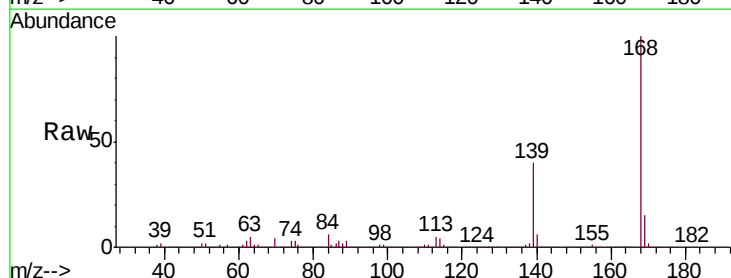
Tgt Ion:168 Resp: 2093326

Ion Ratio Lower Upper

168 100

139 40.3 30.1 45.1

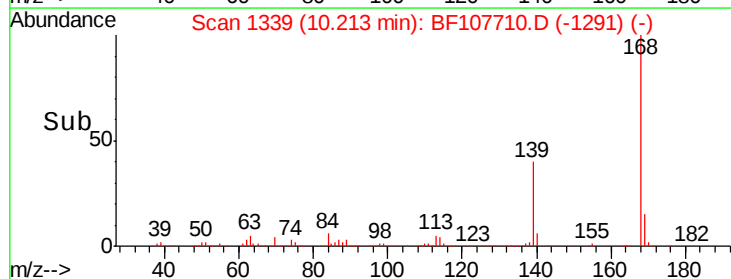
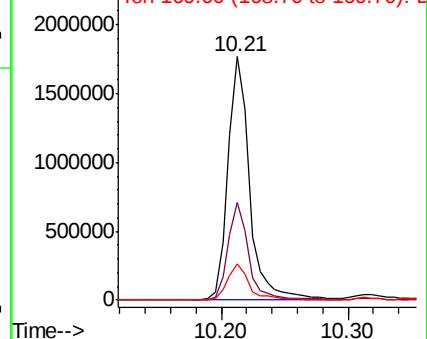
169 14.9 10.9 16.3

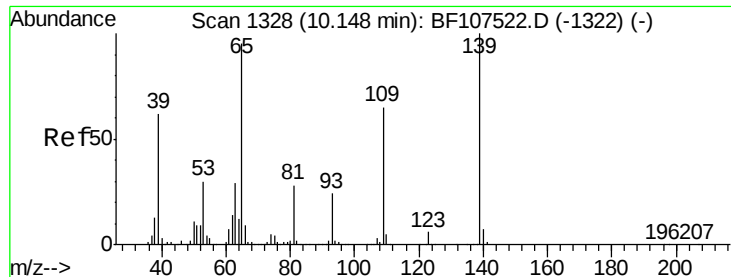


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

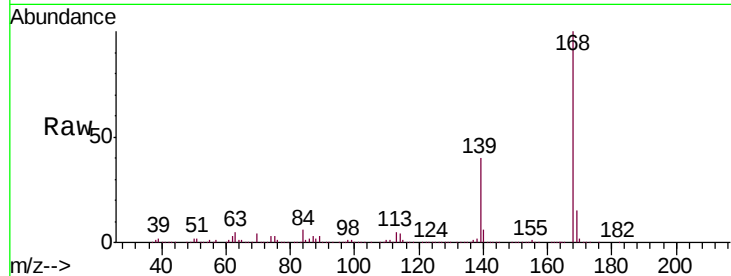




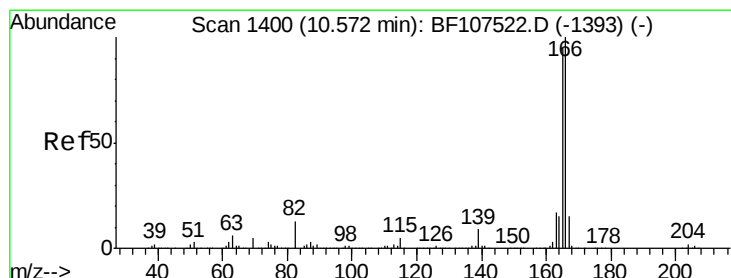
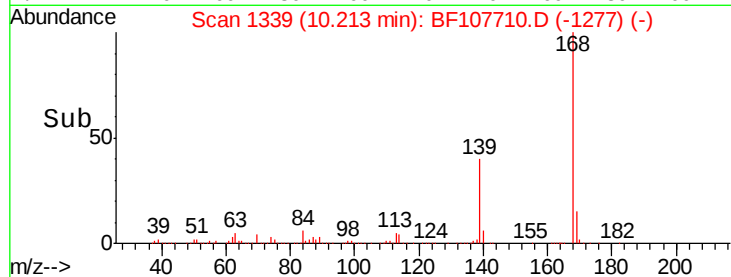
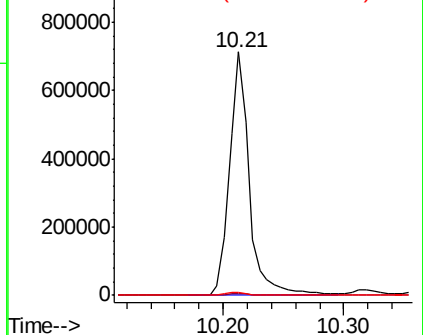
#55
4-Nitrophenol
Concen: 191.588 ng
RT: 10.21 min Scan# 1339
Delta R.T. 0.06 min
Lab File: BF107710.D
Acq: 26 Jul 2018 19:59

Instrument :
BNA_F
ClientSampleId :
GW-04(3-5)

Tgt Ion:139 Resp: 808063
Ion Ratio Lower Upper
139 100
109 0.7 48.4 88.4#
65 1.5 72.6 112.6#

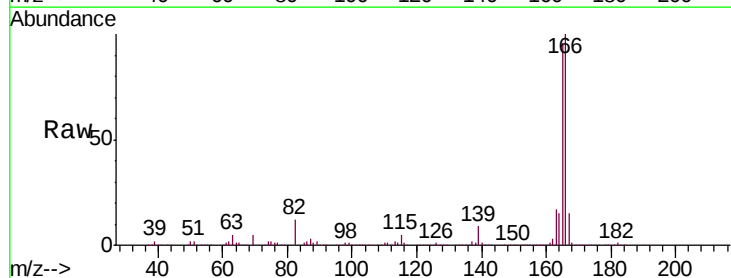


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

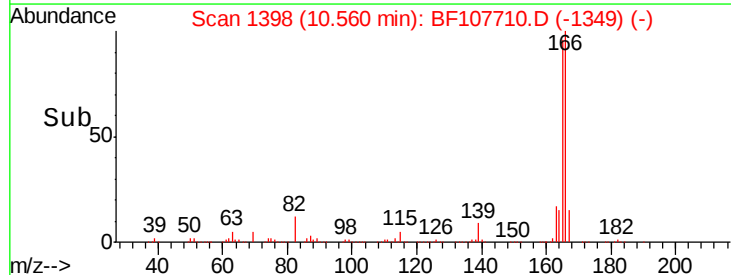
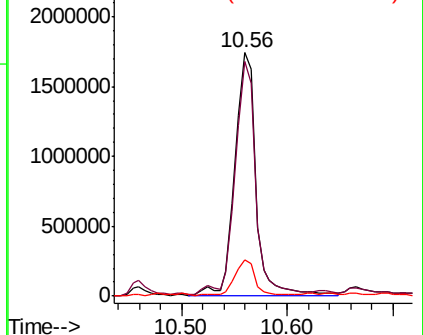


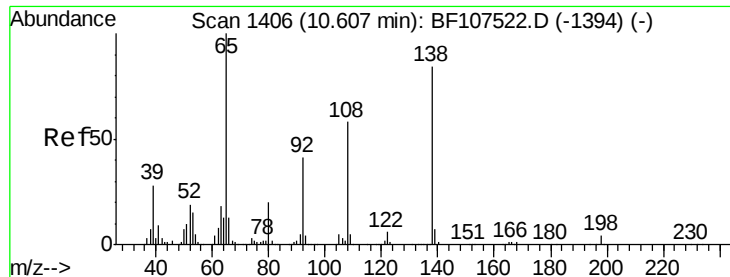
#57
Fluorene
Concen: 116.857 ng
RT: 10.56 min Scan# 1398
Delta R.T. -0.01 min
Lab File: BF107710.D
Acq: 26 Jul 2018 19:59

Tgt Ion:166 Resp: 2380352
Ion Ratio Lower Upper
166 100
165 96.2 79.8 119.8
167 15.1 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

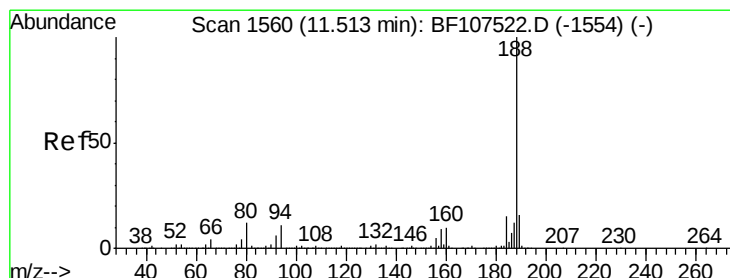
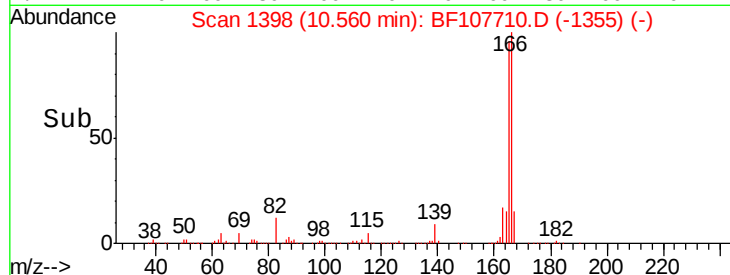
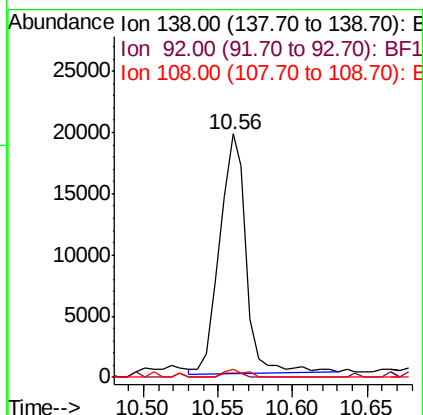
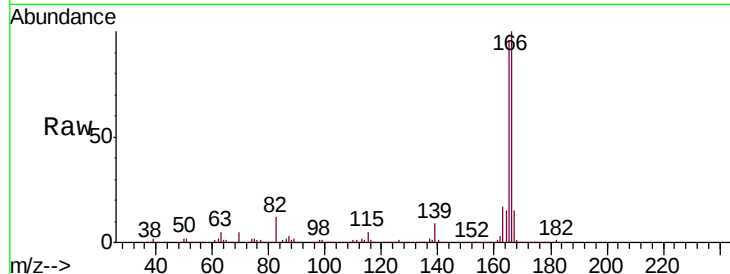




#61
4-Nitroaniline
Concen: 5.204 ng
RT: 10.56 min Scan# 1398
Delta R.T. -0.05 min
Lab File: BF107710.D
Acq: 26 Jul 2018 19:59

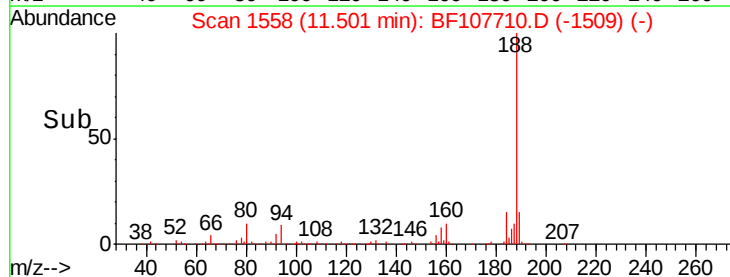
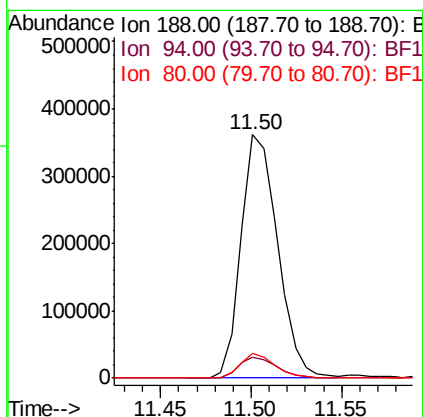
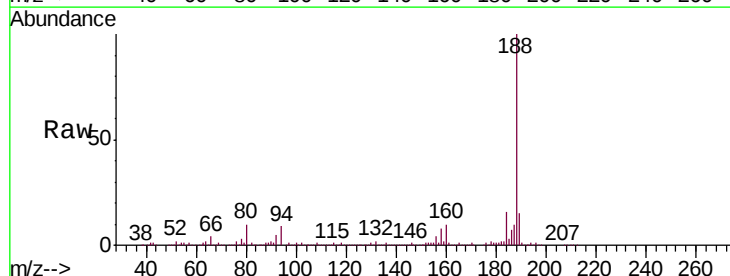
Instrument :
BNA_F
ClientSampleId :
GW-04(3-5)

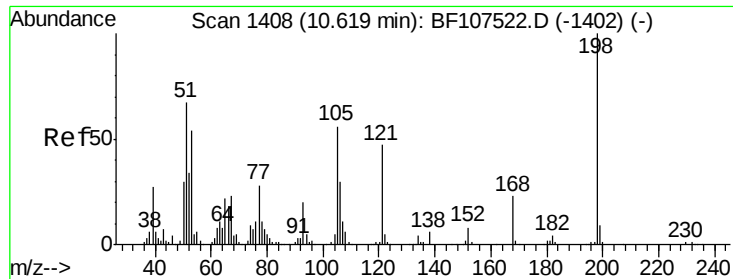
Tgt Ion:138 Resp: 24630
Ion Ratio Lower Upper
138 100
92 1.5 30.2 70.2#
108 3.3 52.5 92.5#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF107710.D
Acq: 26 Jul 2018 19:59

Tgt Ion:188 Resp: 510014
Ion Ratio Lower Upper
188 100
94 8.8 8.5 12.7
80 9.9 9.2 13.8

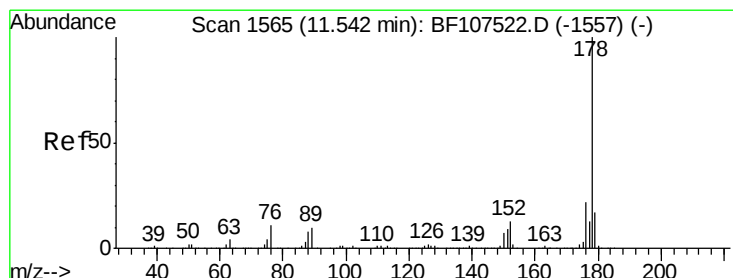
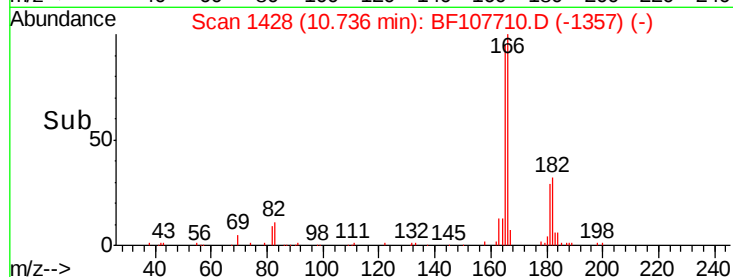
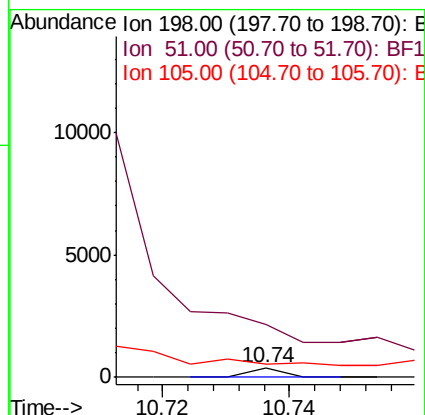
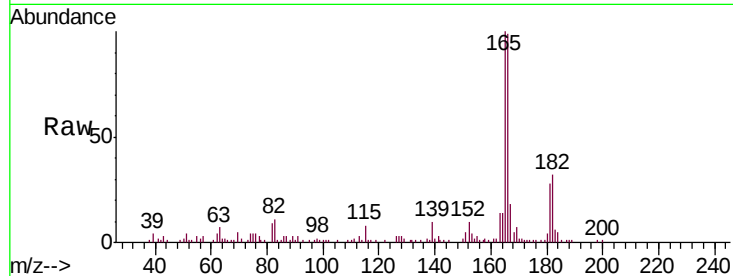




#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.728 ng
 RT: 10.74 min Scan# 1428
 Delta R.T. 0.12 min
 Lab File: BF107710.D
 Acq: 26 Jul 2018 19:59

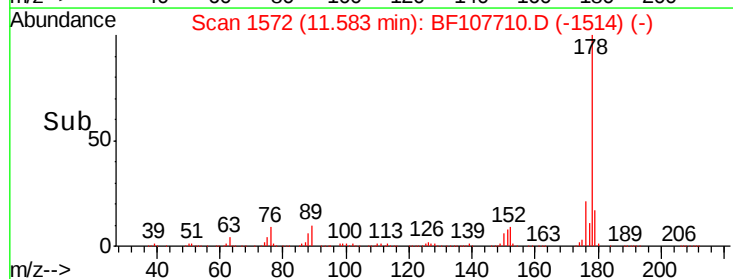
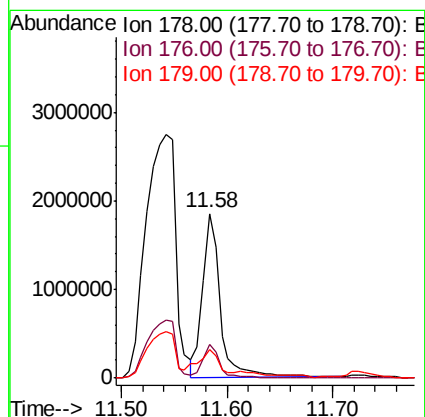
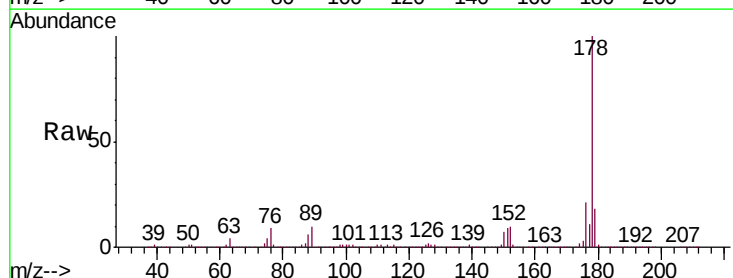
Instrument :
 BNA_F
 ClientSampled :
 GW-04(3-5)

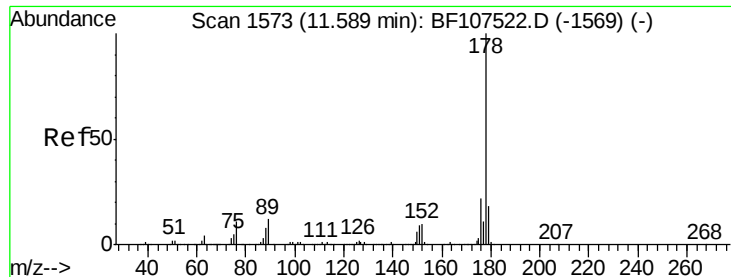
Tgt Ion:198 Resp: 141
 Ion Ratio Lower Upper
 198 100
 51 536.0 37.7 77.7#
 105 139.3 36.3 76.3#



#70
 Phenanthrene
 Concen: 85.981 ng
 RT: 11.58 min Scan# 1572
 Delta R.T. 0.04 min
 Lab File: BF107710.D
 Acq: 26 Jul 2018 19:59

Tgt Ion:178 Resp: 2136893
 Ion Ratio Lower Upper
 178 100
 176 20.7 15.8 23.8
 179 17.5 13.0 19.6

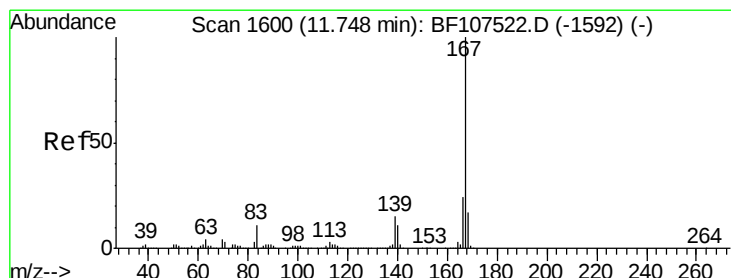
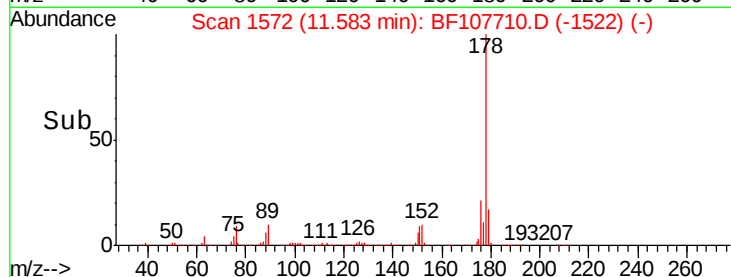
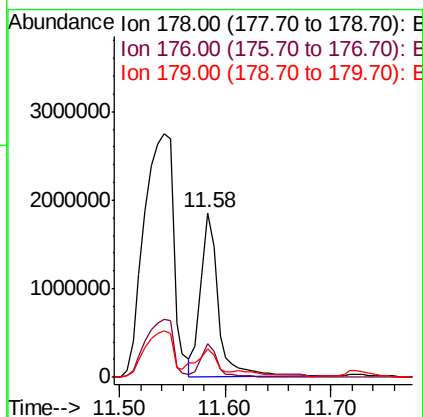
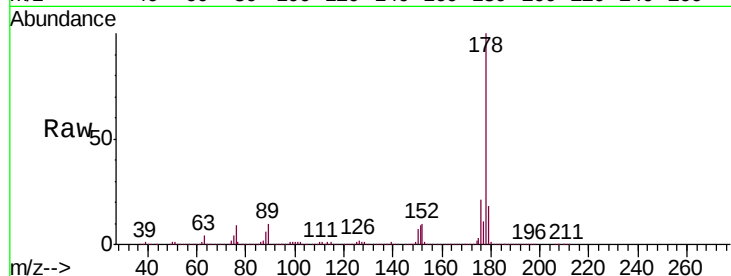




#71
 Anthracene
 Concen: 85.396 ng
 RT: 11.58 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF107710.D
 Acq: 26 Jul 2018 19:59

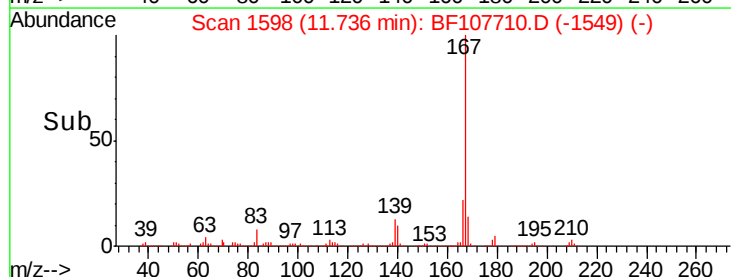
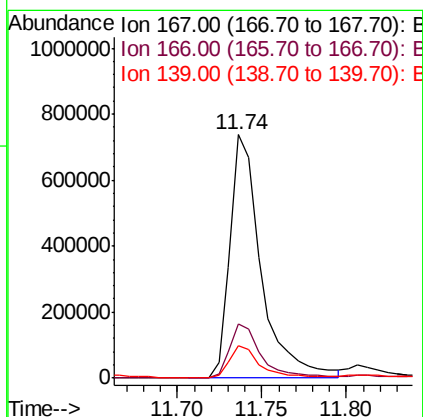
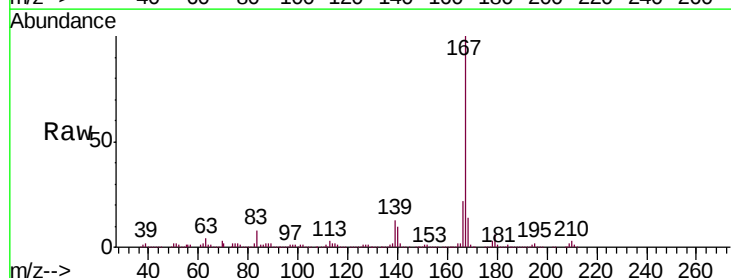
Instrument :
 BNA_F
 ClientSampleId :
 GW-04(3-5)

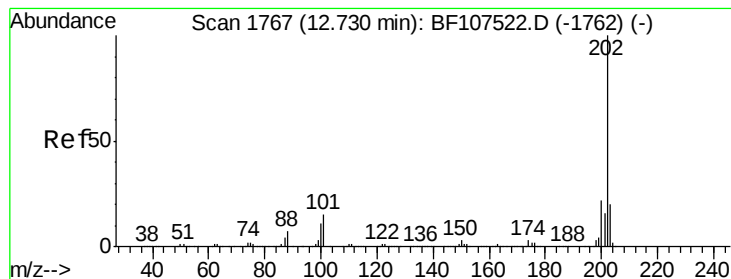
Tgt Ion:178 Resp: 2136893
 Ion Ratio Lower Upper
 178 100
 176 20.7 15.4 23.2
 179 17.5 12.6 19.0



#72
 Carbazole
 Concen: 36.393 ng
 RT: 11.74 min Scan# 1598
 Delta R.T. -0.01 min
 Lab File: BF107710.D
 Acq: 26 Jul 2018 19:59

Tgt Ion:167 Resp: 946984
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.6 26.4
 139 13.1 10.9 16.3





#74

Fluoranthene

Concen: 152.193 ng

RT: 12.73 min Scan# 1767

Delta R.T. 0.00 min

Lab File: BF107710.D

Acq: 26 Jul 2018 19:59

Instrument :

BNA_F

ClientSampleId :

GW-04(3-5)

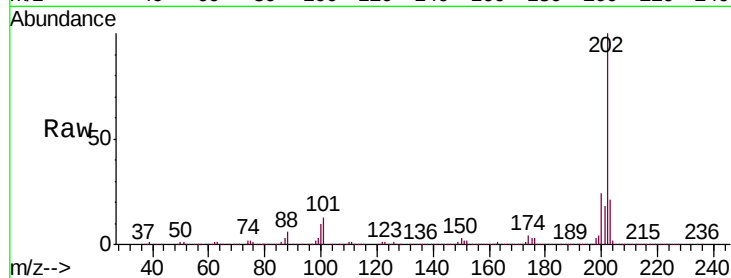
Tgt Ion:202 Resp: 4058874

Ion Ratio Lower Upper

202 100

101 13.3 0.0 34.1

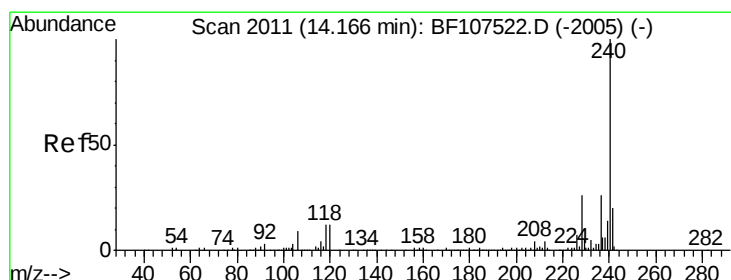
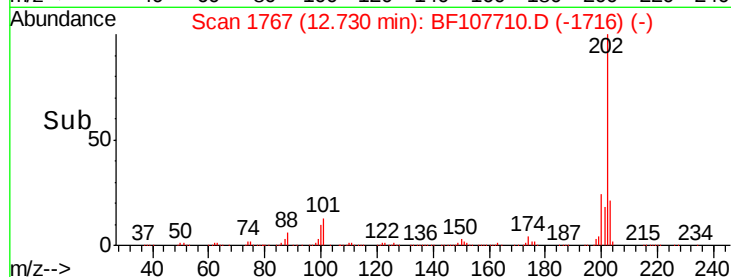
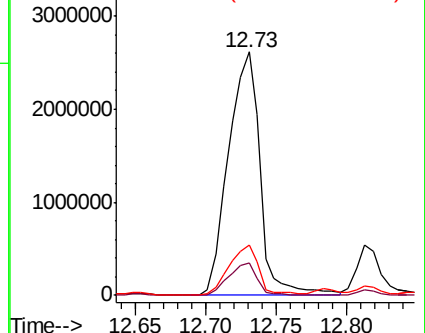
203 20.7 0.0 38.1



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: BF107710.D

Acq: 26 Jul 2018 19:59

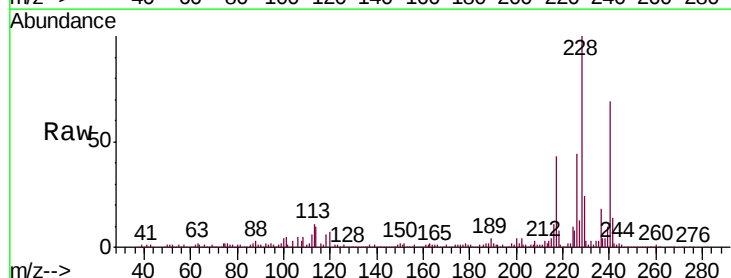
Tgt Ion:240 Resp: 321995

Ion Ratio Lower Upper

240 100

120 10.2 9.5 14.3

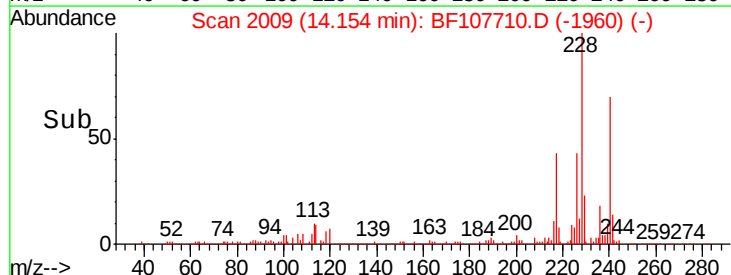
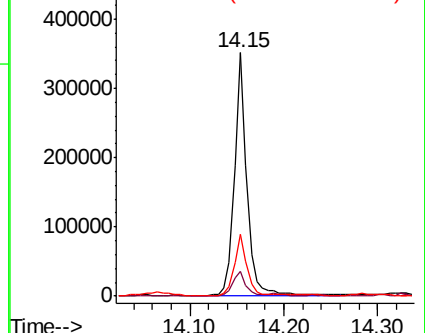
236 25.5 20.7 31.1

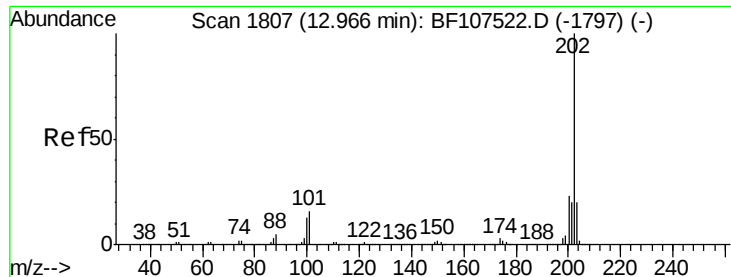


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

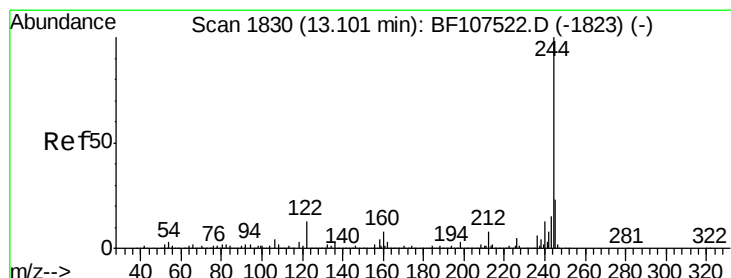
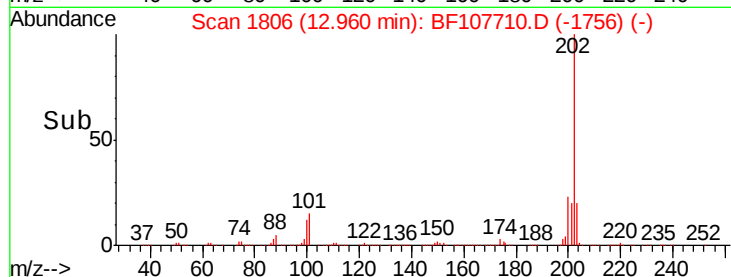
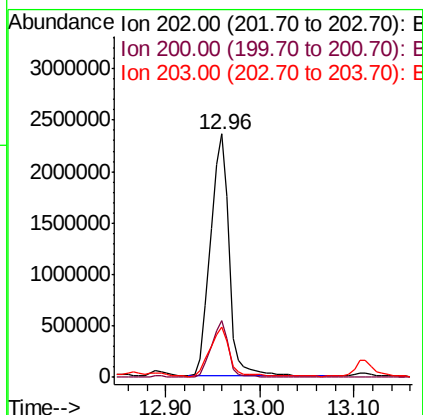
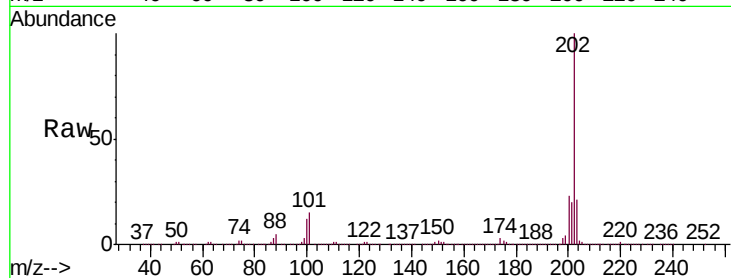




#77
 Pyrene
 Concen: 150.480 ng
 RT: 12.96 min Scan# 1806
 Delta R.T. -0.01 min
 Lab File: BF107710.D
 Acq: 26 Jul 2018 19:59

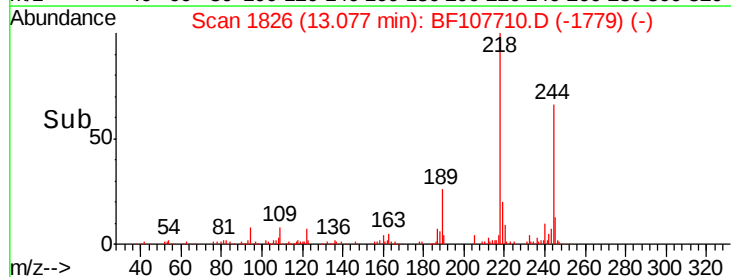
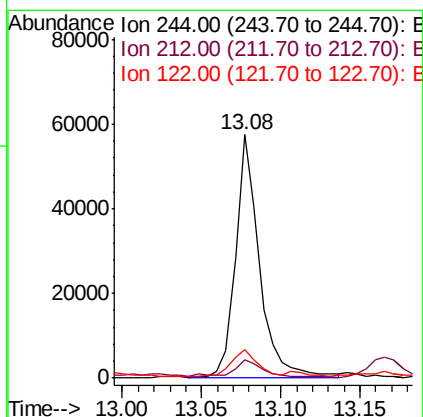
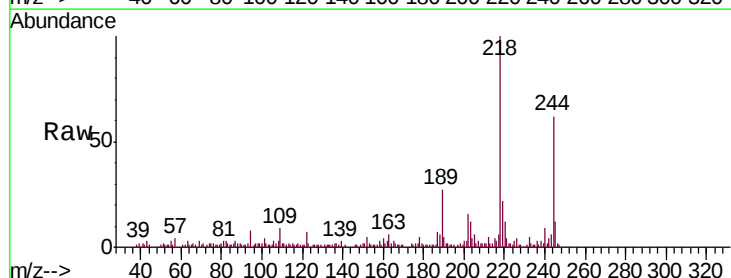
Instrument :
 BNA_F
 ClientSampleId :
 GW-04(3-5)

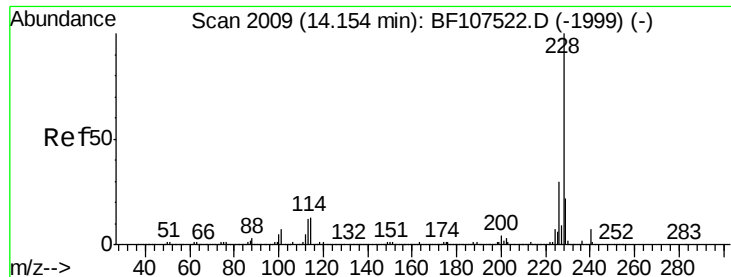
Tgt Ion: 202 Resp: 3314284
 Ion Ratio Lower Upper
 202 100
 200 23.4 17.4 26.2
 203 20.7 14.3 21.5



#78
 Terphenyl-d14
 Concen: 4.836 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.02 min
 Lab File: BF107710.D
 Acq: 26 Jul 2018 19:59

Tgt Ion: 244 Resp: 60826
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.4 8.0
 122 14.5 11.0 16.4

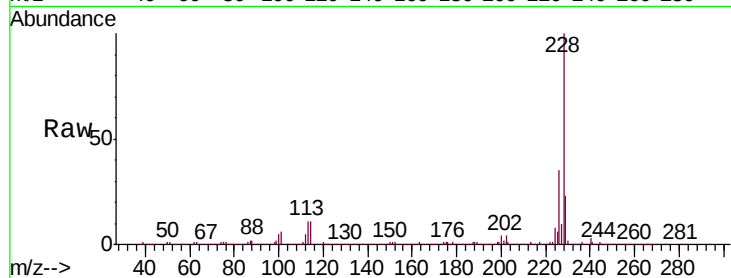




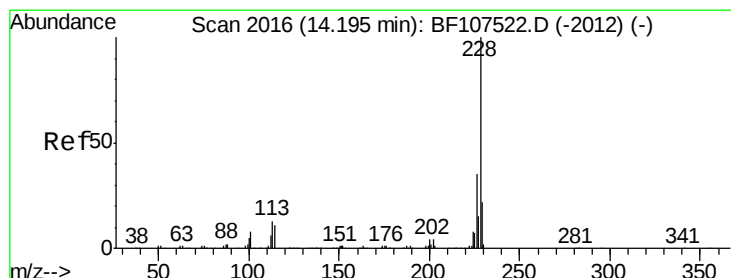
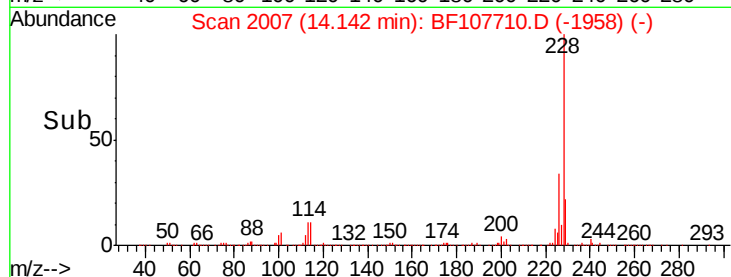
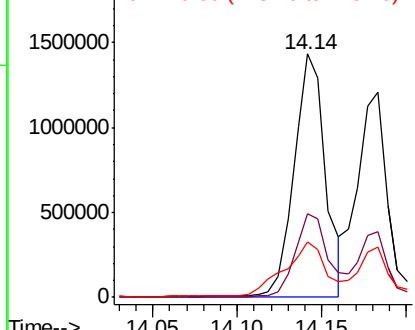
#80
Benzo(a)anthracene
Concen: 97.765 ng
RT: 14.14 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF107710.D
Acq: 26 Jul 2018 19:59

Instrument :
BNA_F
ClientSampleId :
GW-04(3-5)

Tgt Ion:228 Resp: 1844770
Ion Ratio Lower Upper
228 100
226 34.5 22.6 33.8#
229 22.5 15.8 23.6

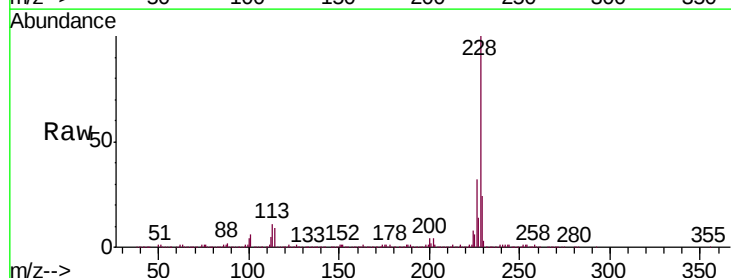


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

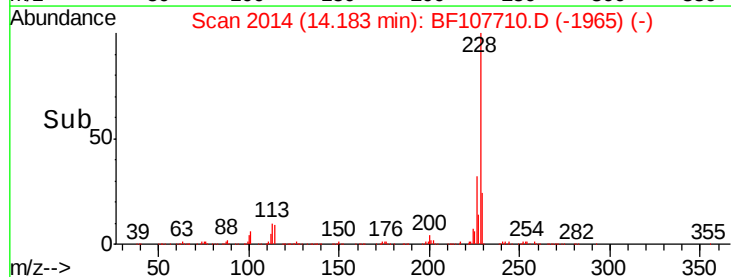
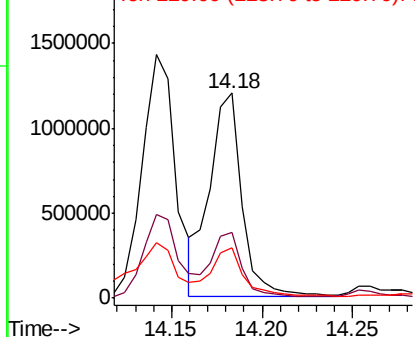


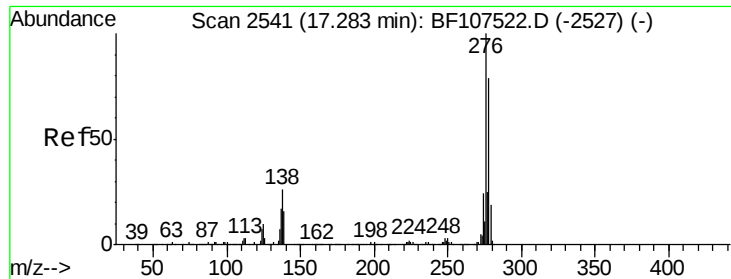
#82
Chrysene
Concen: 83.119 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF107710.D
Acq: 26 Jul 2018 19:59

Tgt Ion:228 Resp: 1506619
Ion Ratio Lower Upper
228 100
226 32.3 25.0 37.6
229 24.3 16.2 24.4



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





#85

Indeno(1,2,3-cd)pyrene

Concen: 45.377 ng

RT: 17.26 min Scan# 2537

Delta R.T. -0.02 min

Lab File: BF107710.D

Acq: 26 Jul 2018 19:59

Instrument :

BNA_F

ClientSampleId :

GW-04(3-5)

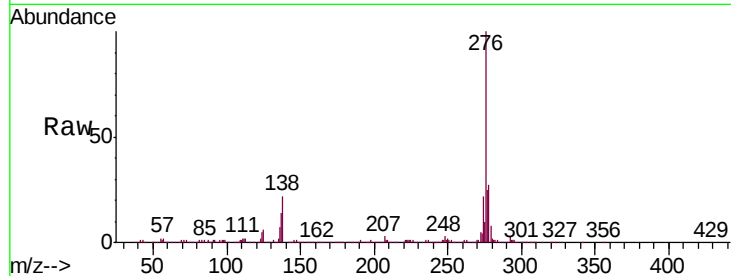
Tgt Ion:276 Resp: 697094

Ion Ratio Lower Upper

276 100

138 20.4 25.0 37.6#

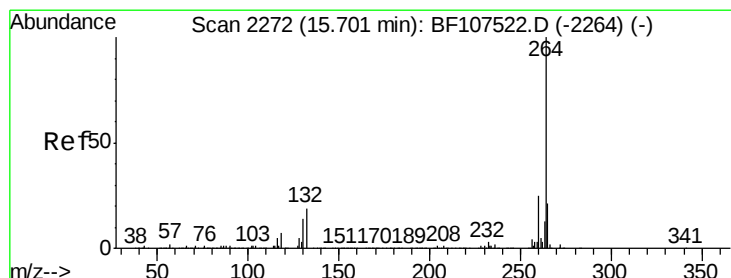
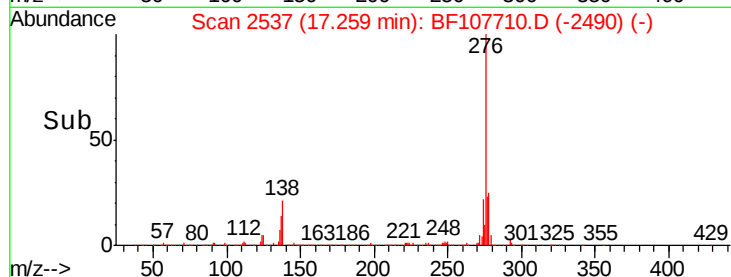
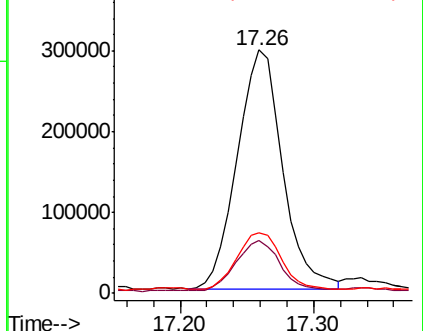
277 23.1 20.1 30.1



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: 15.68 min Scan# 2269

Delta R.T. -0.02 min

Lab File: BF107710.D

Acq: 26 Jul 2018 19:59

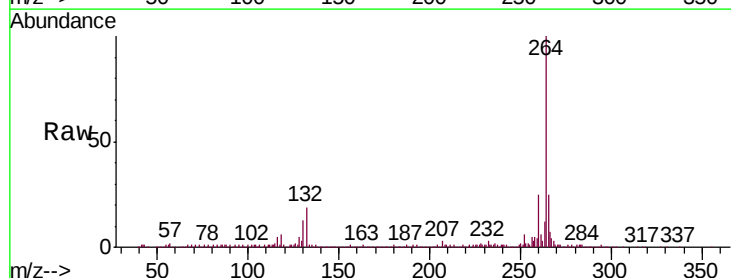
Tgt Ion:264 Resp: 435997

Ion Ratio Lower Upper

264 100

260 24.6 19.2 28.8

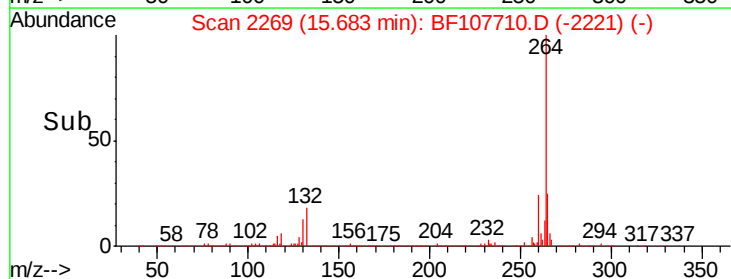
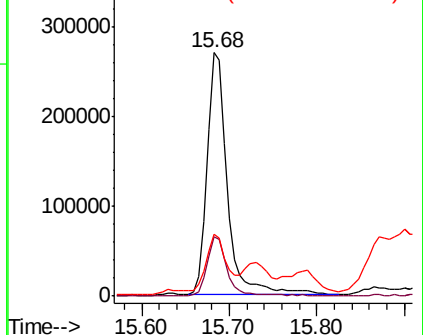
265 25.5 17.5 26.3

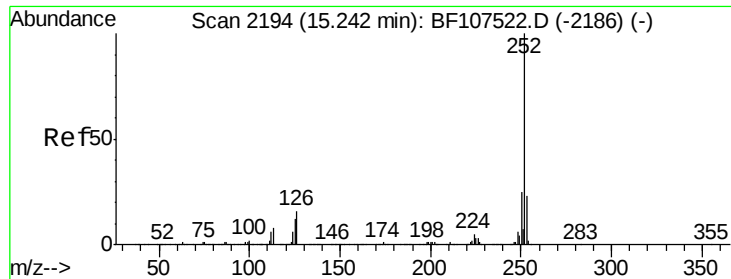


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

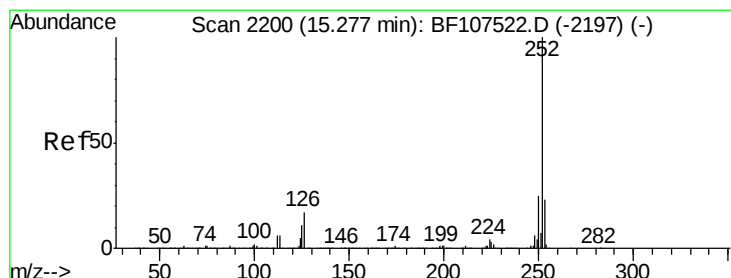
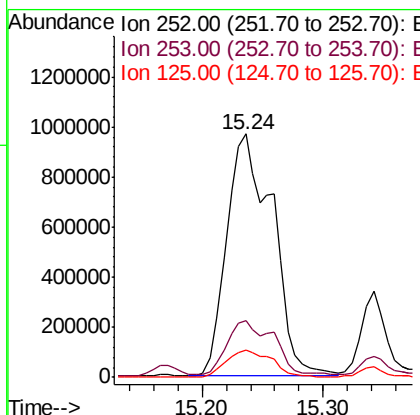
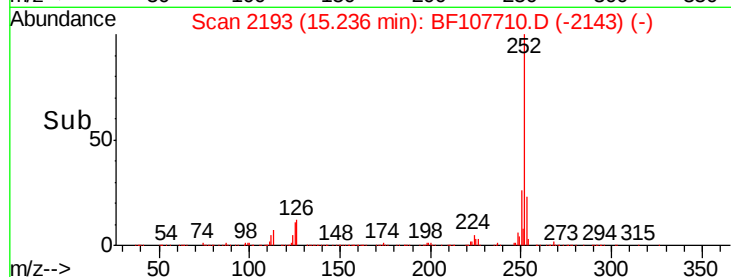
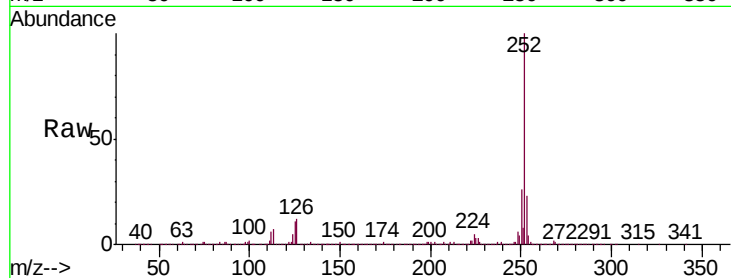




#87
Benzo(b)fluoranthene
Concen: 107.306 ng
RT: 15.24 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BF107710.D
Acq: 26 Jul 2018 19:59

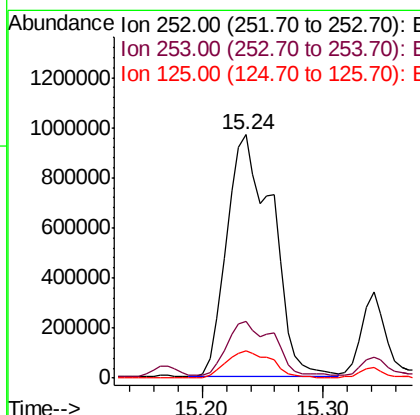
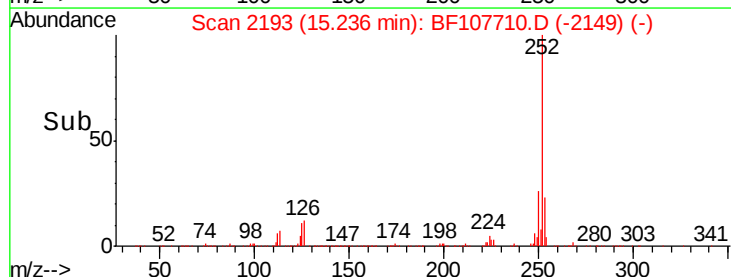
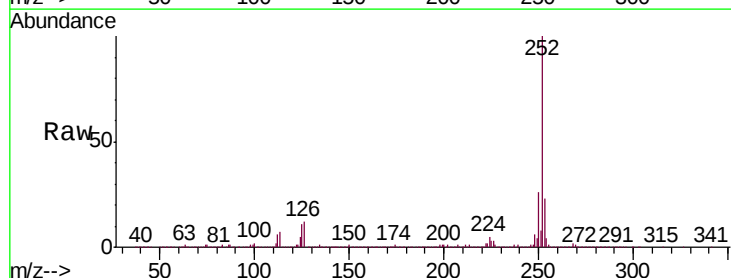
Instrument :
BNA_F
ClientSampleId :
GW-04(3-5)

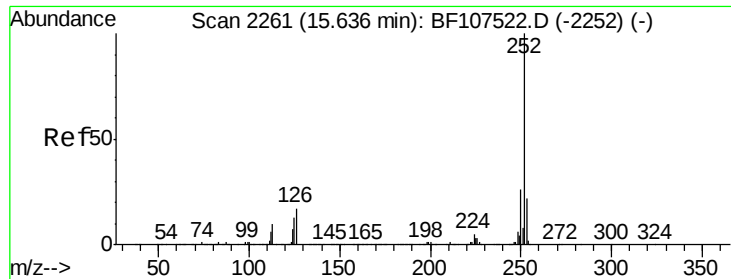
Tgt Ion:252 Resp: 2560495
Ion Ratio Lower Upper
252 100
253 23.2 17.0 25.6
125 11.0 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 109.527 ng
RT: 15.24 min Scan# 2193
Delta R.T. -0.04 min
Lab File: BF107710.D
Acq: 26 Jul 2018 19:59

Tgt Ion:252 Resp: 2560495
Ion Ratio Lower Upper
252 100
253 23.2 17.9 26.9
125 11.0 10.2 15.2





#89

Benzo(a)pyrene

Concen: 67.810 ng

RT: 15.62 min Scan# 2259

Delta R.T. -0.01 min

Lab File: BF107710.D

Acq: 26 Jul 2018 19:59

Instrument :

BNA_F

ClientSampleId :

GW-04(3-5)

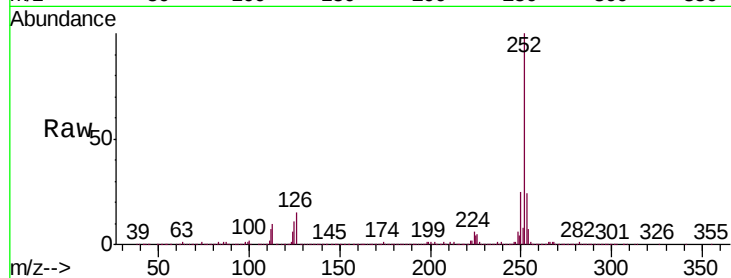
Tgt Ion:252 Resp: 1480080

Ion Ratio Lower Upper

252 100

253 24.3 17.1 25.7

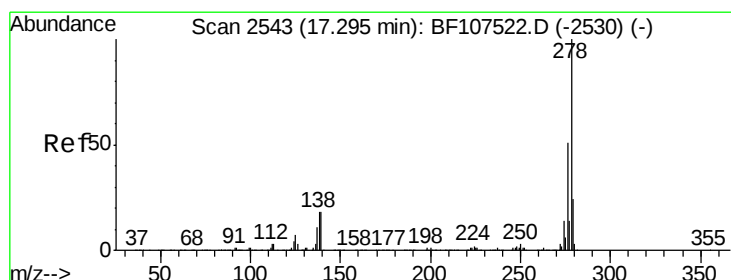
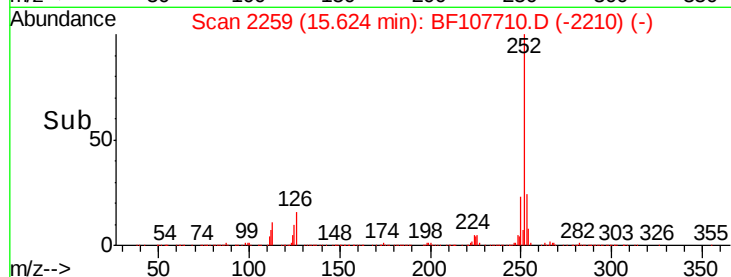
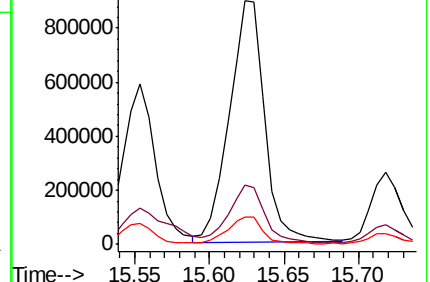
125 11.4 9.8 14.6



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



#90

Dibenzo(a,h)anthracene

Concen: 3.424 ng

RT: 17.51 min Scan# 2580

Delta R.T. 0.22 min

Lab File: BF107710.D

Acq: 26 Jul 2018 19:59

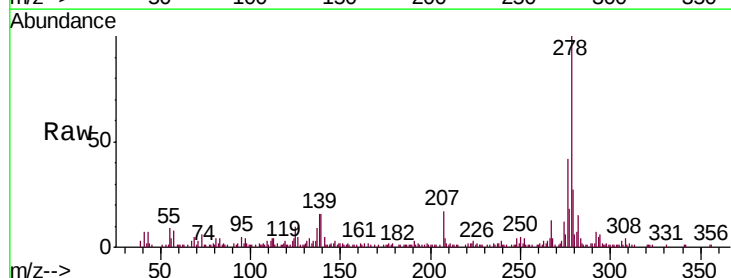
Tgt Ion:278 Resp: 64606

Ion Ratio Lower Upper

278 100

139 16.3 15.9 23.9

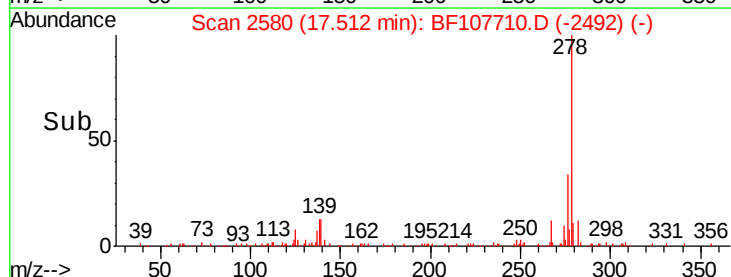
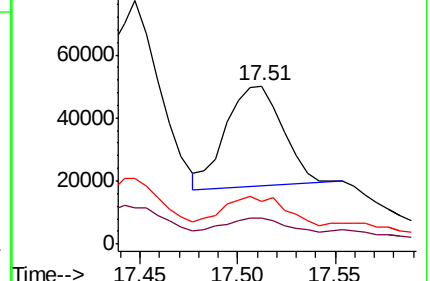
279 27.2 19.0 28.4

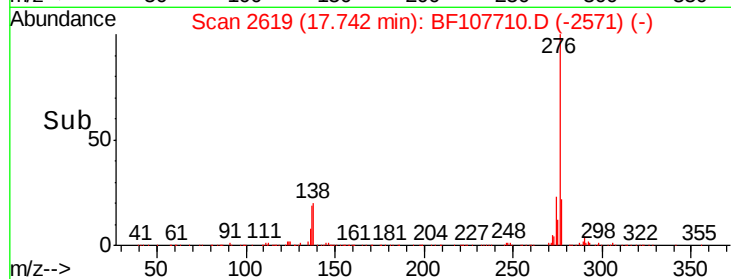
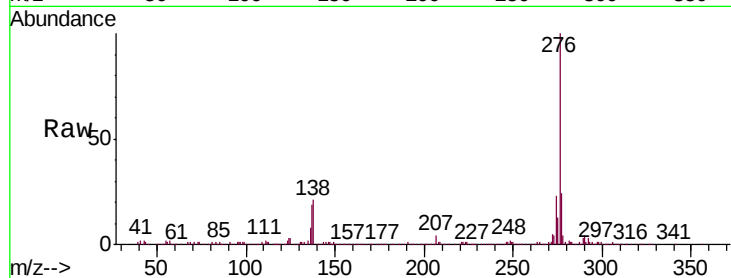
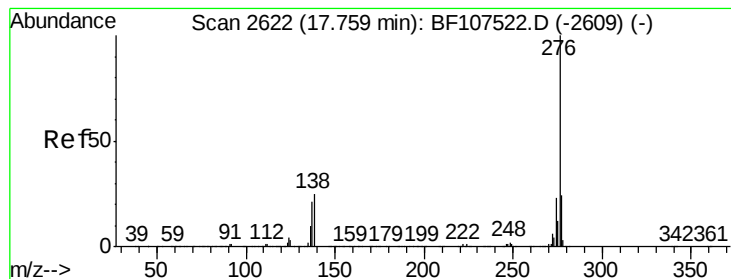


Abundance Ion 278.00 (277.70 to 278.70): E

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: 30.414 ng

RT: 17.74 min Scan# 2619

Delta R.T. -0.02 min

Lab File: BF107710.D

Acq: 26 Jul 2018 19:59

Instrument :

BNA_F

ClientSampleId :

GW-04(3-5)

Tgt Ion:276 Resp: 566030

Ion Ratio Lower Upper

276 100

277 24.0 17.9 26.9

138 21.3 21.8 32.8#

