

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
 Data File : BF107680.D
 Acq On : 26 Jul 2018 2:47
 Operator : JU/SJ
 Sample : J4126-07DL 10X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 26 04:04:31 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	6.97	152	172929	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	717212	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	275589	20.00	ng	-0.01
63) Phenanthrene-d10	11.51	188	479634	20.00	ng	0.00
75) Chrysene-d12	14.16	240	367498	20.00	ng	0.00
86) Perylene-d12	15.69	264	319713	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	70379	6.54	ng	-0.01
7) Phenol-d6	6.60	99	112762	8.73	ng	-0.01
23) Nitrobenzene-d5	7.54	82	72323	6.81	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	26840	8.56	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	129257	2.36	ng	-0.02
78) Terphenyl-d14	13.08	244	96215	6.70	ng	-0.02

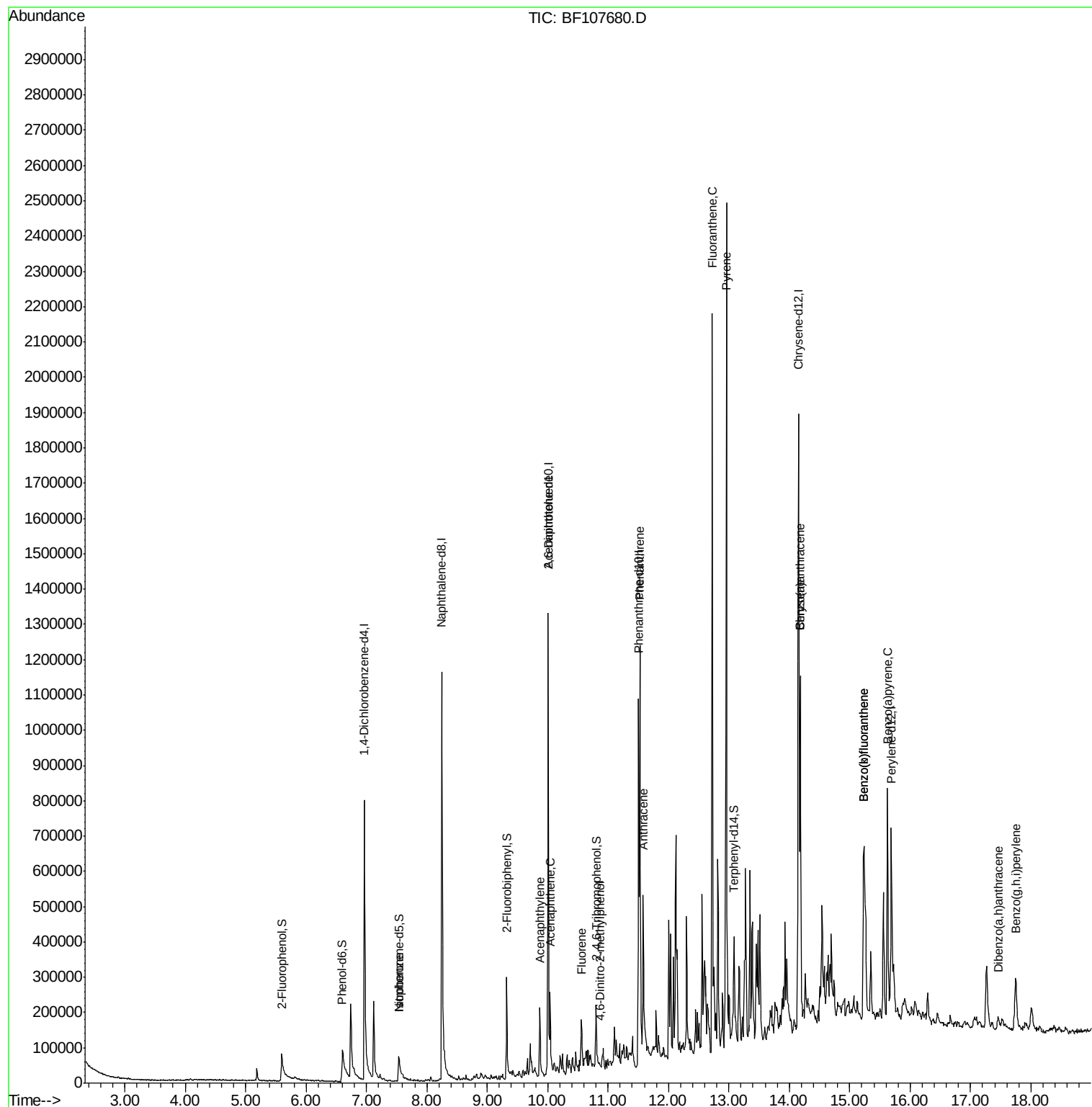
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.74	77	1985	Below Cal		84
25) Isophorone	7.54	82	72323	3.187 ng	#	64
48) Acenaphthylene	9.87	152	96855	3.514 ng		97
50) 2,6-Dinitrotoluene	10.01	165	37933	9.199 ng	#	26
51) Acenaphthene	10.04	154	48581	2.813 ng		98
57) Fluorene	10.56	166	58117	3.204 ng		98
64) 4,6-Dinitro-2-methylphenol	10.87	198	782	8.957 ng		95
70) Phenanthrene	11.53	178	518197	22.171 ng		98
71) Anthracene	11.58	178	278545	11.836 ng		99
73) Di-n-butylphthalate	12.05	149	1462	Below Cal	#	1
74) Fluoranthene	12.72	202	930035	37.082 ng		96
77) Pyrene	12.96	202	1160181	46.154 ng		97
80) Benzo(a)anthracene	14.18	228	405375	18.823 ng		93
81) 3,3'-Dichlorobenzidine	14.10	252	500	Below Cal	#	13
82) Chrysene	14.18	228	405375	19.595 ng		97
87) Benzo(b)fluoranthene	15.24	252	483696	27.644 ng		99
88) Benzo(k)fluoranthene	15.24	252	483696	28.216 ng		97
89) Benzo(a)pyrene	15.62	252	373061	23.308 ng		99
90) Dibenzo(a,h)anthracene	17.46	278	32424	2.344 ng		95
91) Benzo(a,h,i)perylene	17.75	276	148228	10.861 ng	#	92

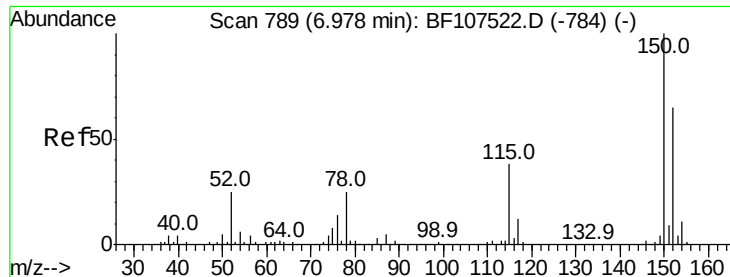
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107680.D
Acq On : 26 Jul 2018 2:47
Operator : JU/SJ
Sample : J4126-07DL 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jul 26 04:04:31 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



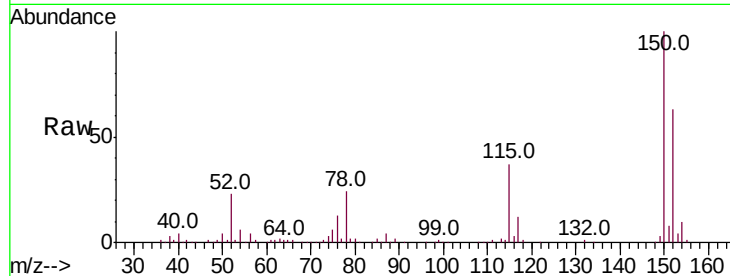


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107680.D
Acq: 26 Jul 2018 2:47

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	124.6	186.8
115	58.4	50.1	75.1

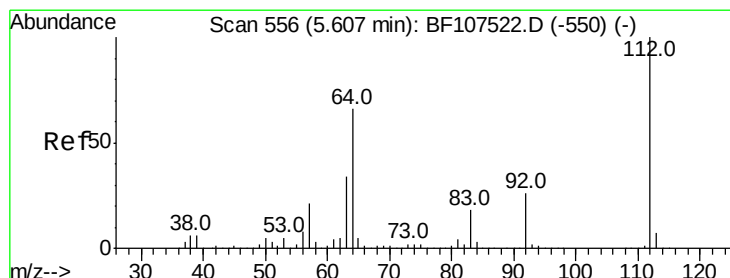
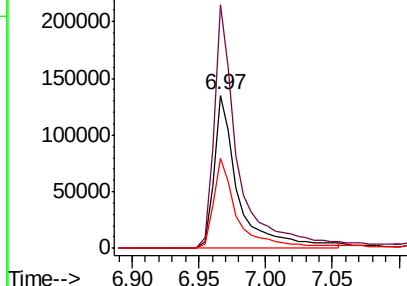
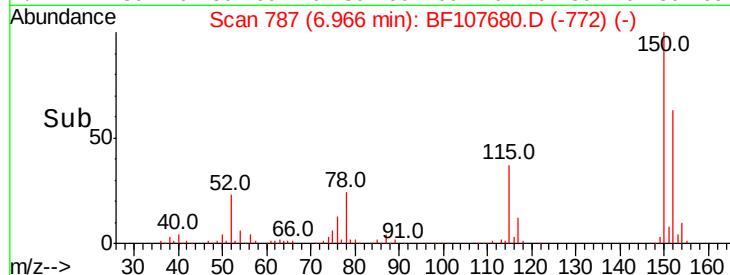


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

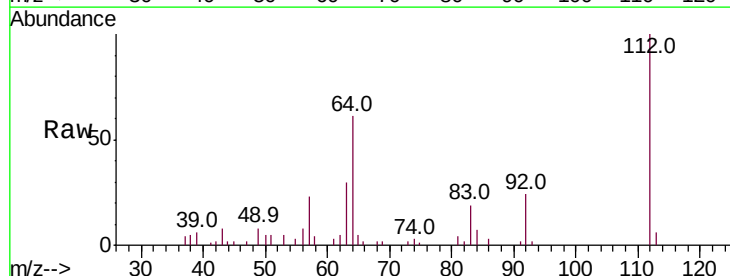
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 6.543 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107680.D
Acq: 26 Jul 2018 2:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.0	47.9	71.9
63	29.9	23.7	35.5

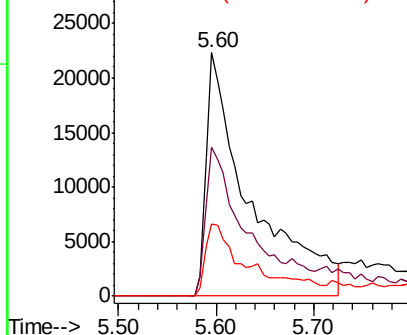
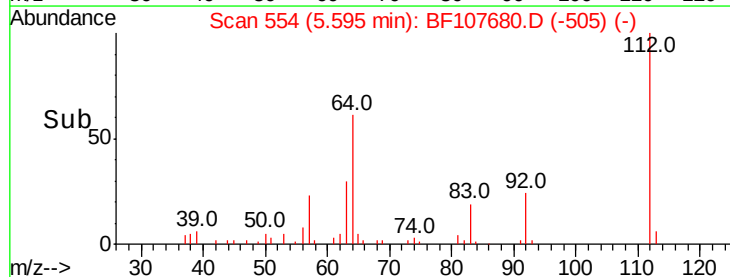


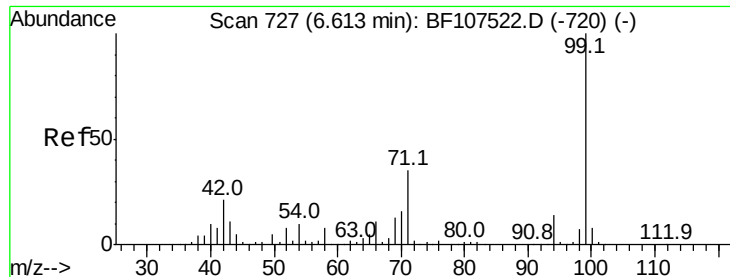
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 8.731 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107680.D

Acq: 26 Jul 2018 2:47

Instrument :

BNA_F

ClientSampleId :

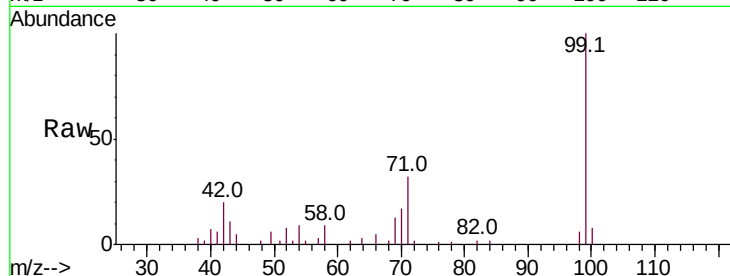
Tot Ion: 99 Resp: 112762

Ion Ratio Lower Upper

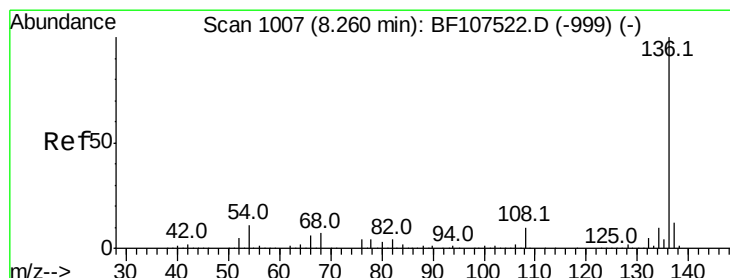
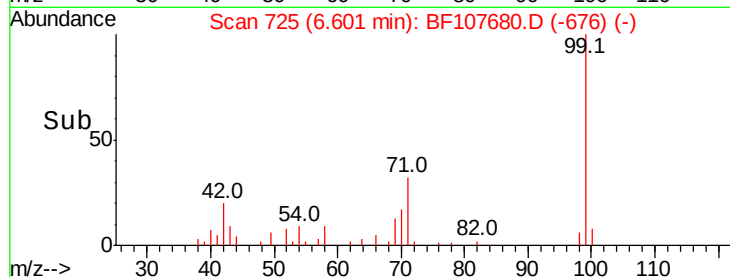
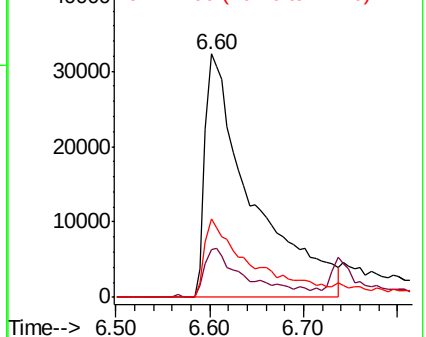
99 100

42 19.8 14.5 21.7

71 32.4 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# 1005

Delta R.T. -0.01 min

Lab File: BF107680.D

Acq: 26 Jul 2018 2:47

Tgt Ion: 136 Resp: 717212

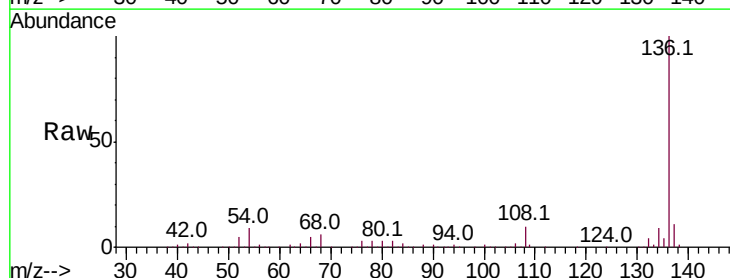
Ion Ratio Lower Upper

136 100

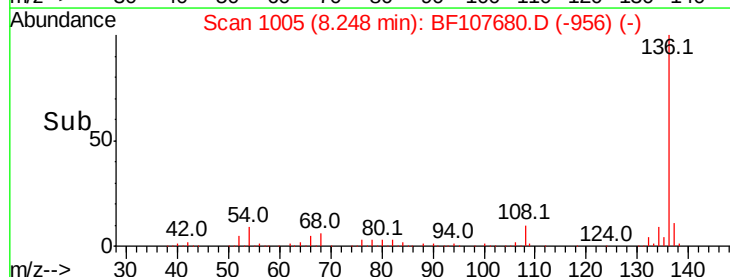
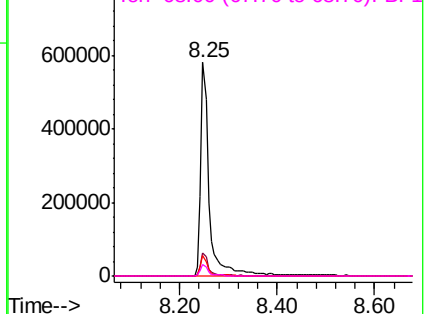
137 11.0 8.9 13.3

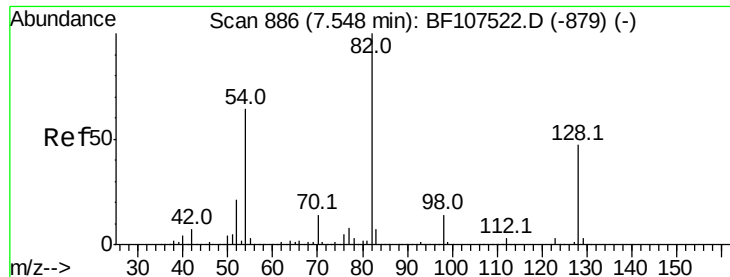
54 9.4 6.6 9.8

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

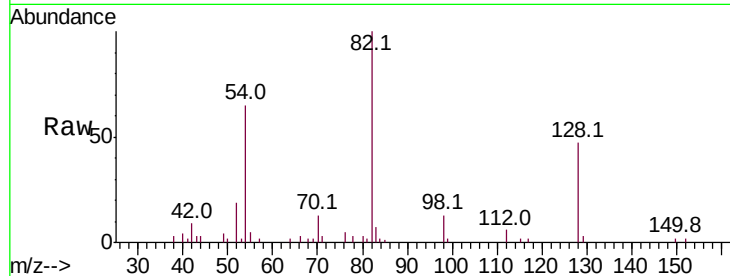




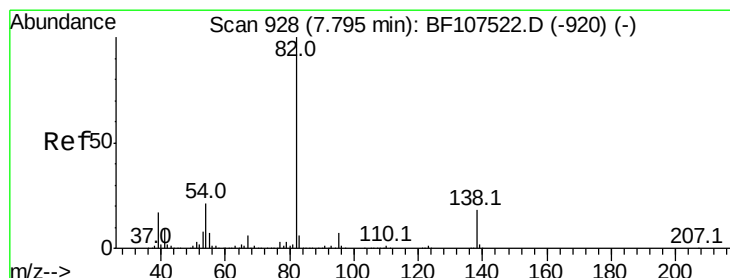
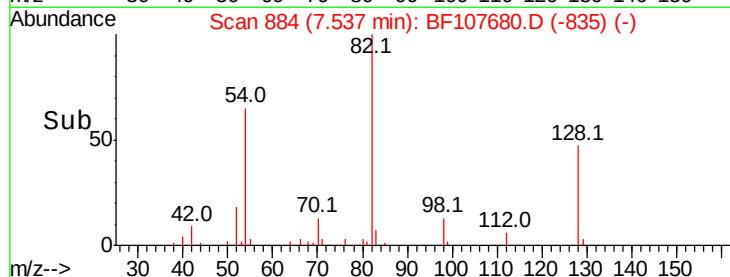
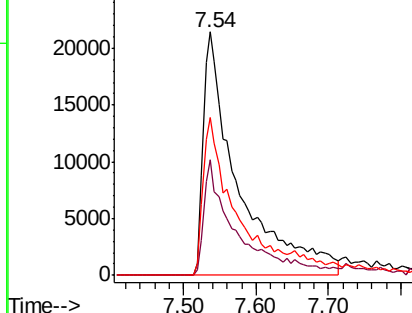
#23
Nitrobenzene-d5
Concen: 6.805 ng
RT: 7.54 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF107680.D
Acq: 26 Jul 2018 2:47

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 72323
Ion Ratio Lower Upper
82 100
128 47.5 36.1 54.1
54 65.1 41.4 62.2#

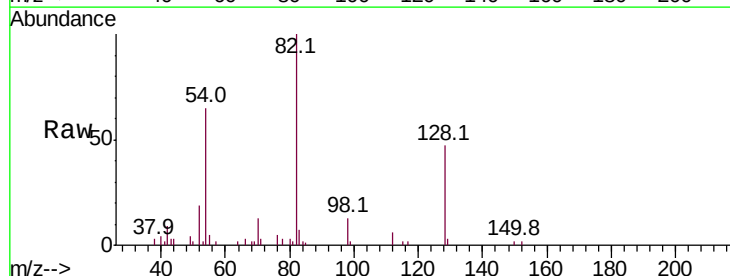


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

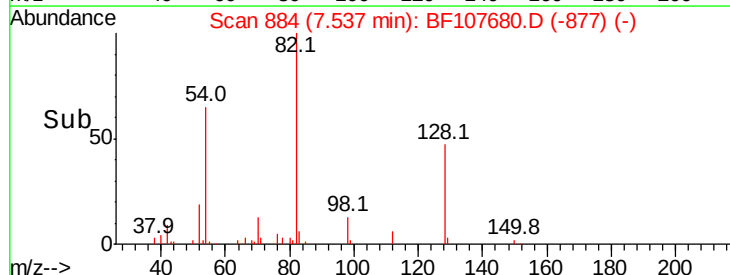
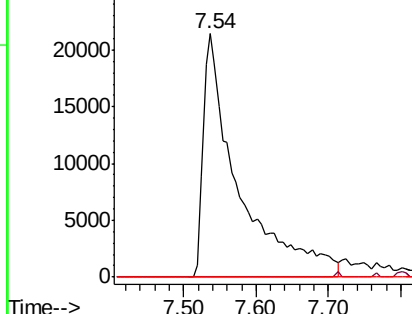


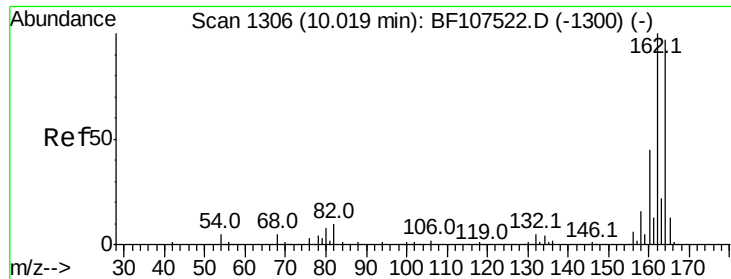
#25
Isophorone
Concen: 3.187 ng
RT: 7.54 min Scan# 884
Delta R.T. -0.26 min
Lab File: BF107680.D
Acq: 26 Jul 2018 2:47

Tgt Ion: 82 Resp: 72323
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF107680.D

Acq: 26 Jul 2018 2:47

Instrument :

BNA_F

ClientSampleId :

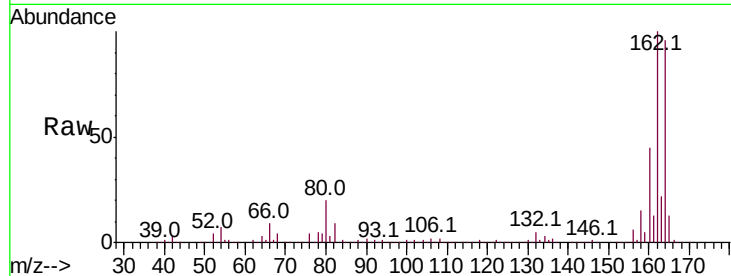
Tot Ion:164 Resp: 275589

Ion Ratio Lower Upper

164 100

162 104.2 86.1 129.1

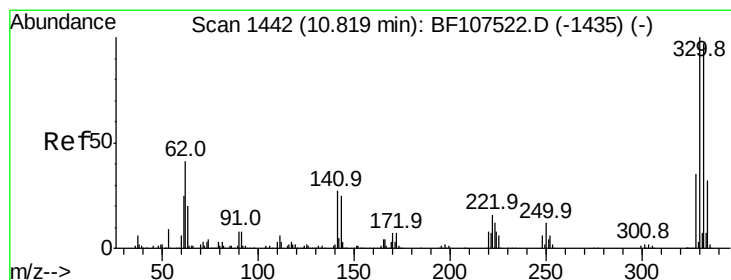
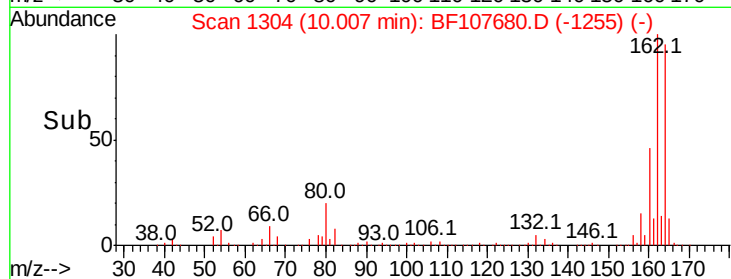
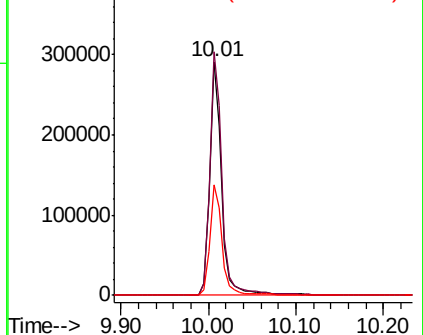
160 47.4 38.3 57.5



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: 8.564 ng

RT: 10.80 min Scan# 1439

Delta R.T. -0.02 min

Lab File: BF107680.D

Acq: 26 Jul 2018 2:47

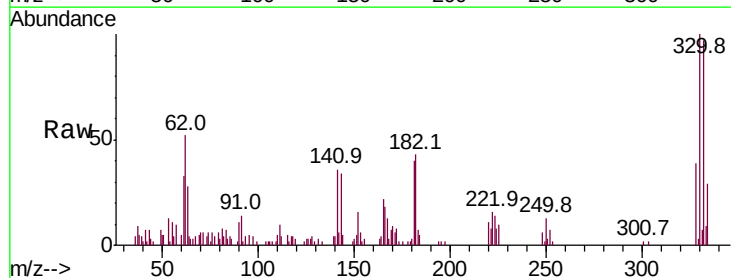
Tgt Ion:330 Resp: 26840

Ion Ratio Lower Upper

330 100

332 94.7 77.0 115.6

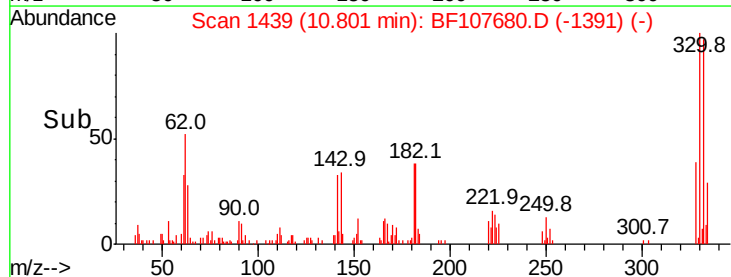
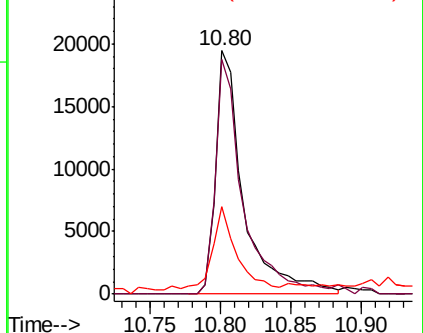
141 29.5 29.9 44.9#

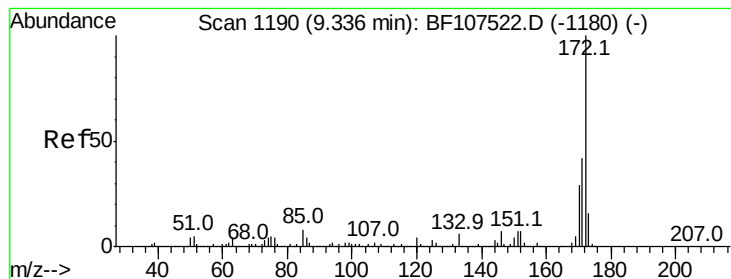


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

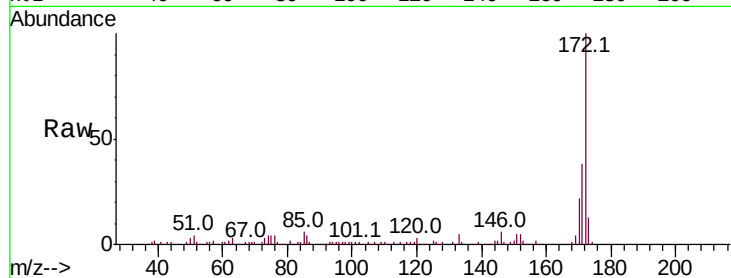




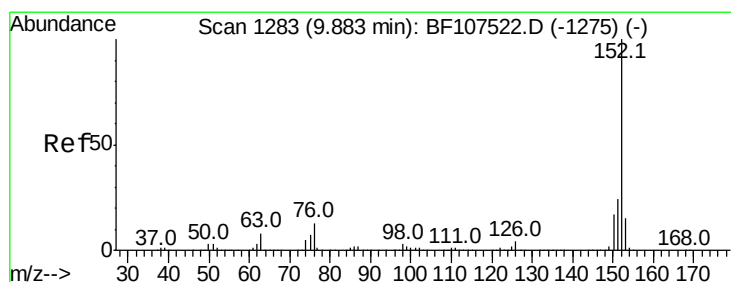
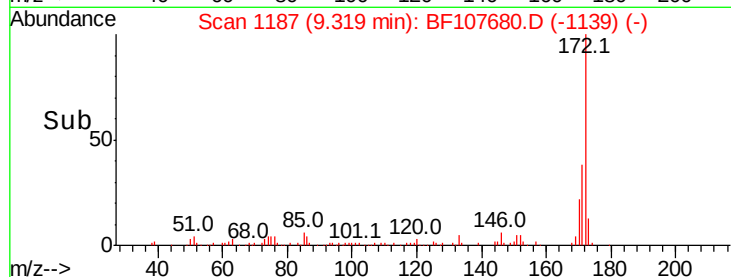
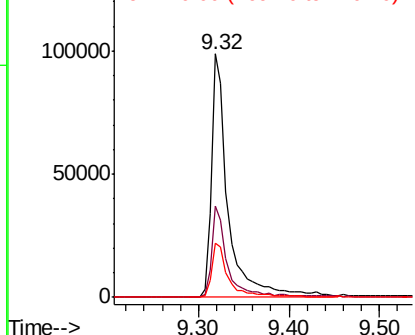
#44
2-Fluorobiphenyl
Concen: 2.355 ng
RT: 9.32 min Scan# 1187
Delta R.T. -0.02 min
Lab File: BF107680.D
Acq: 26 Jul 2018 2:47

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.6	29.7	44.5
170	22.1	19.6	29.4

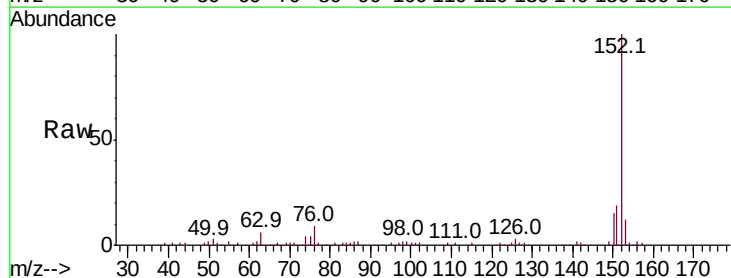


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

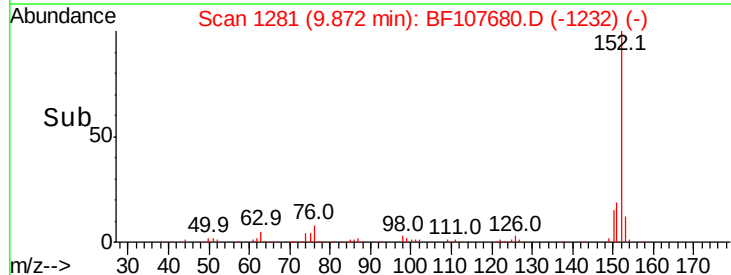
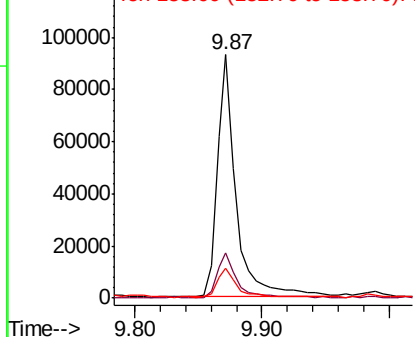


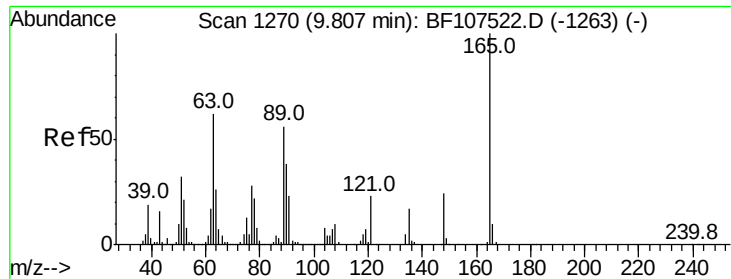
#48
Acenaphthylene
Concen: 3.514 ng
RT: 9.87 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF107680.D
Acq: 26 Jul 2018 2:47

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.6	16.3	24.5
153	12.3	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

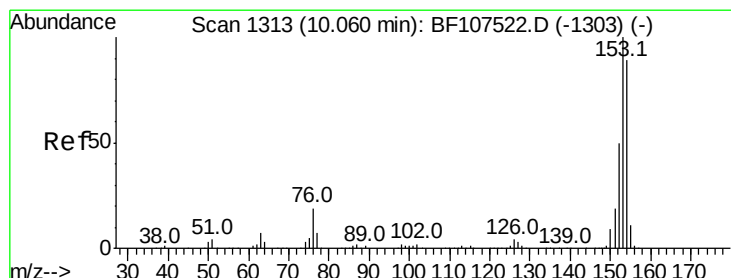
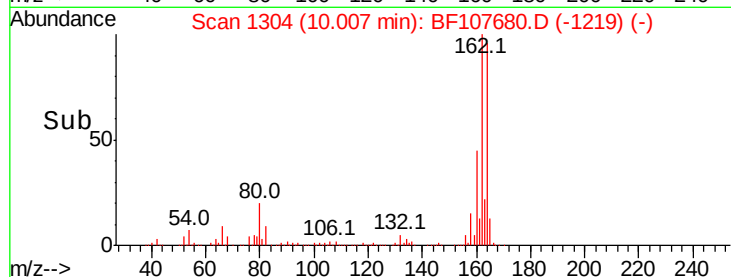
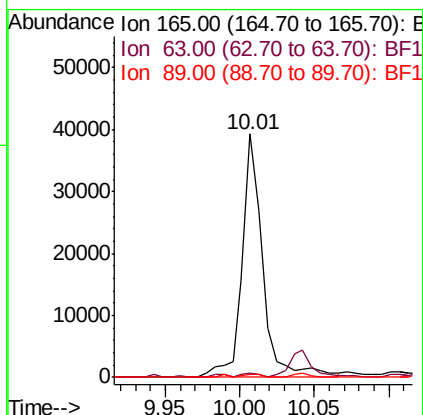
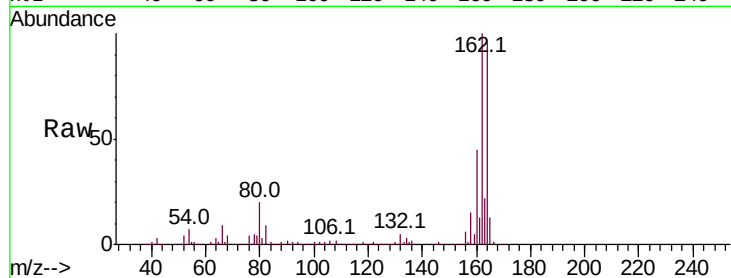




#50
2,6-Dinitrotoluene
Concen: 9.199 ng
RT: 10.01 min Scan# 1304
Delta R.T. 0.20 min
Lab File: BF107680.D
Acq: 26 Jul 2018 2:47

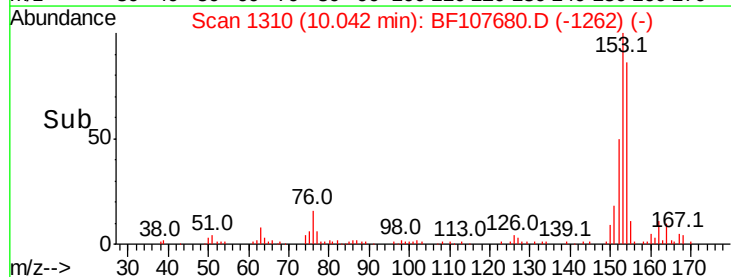
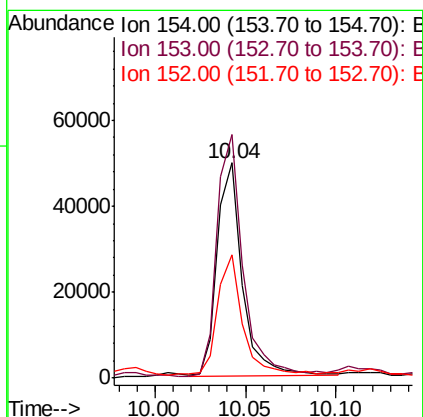
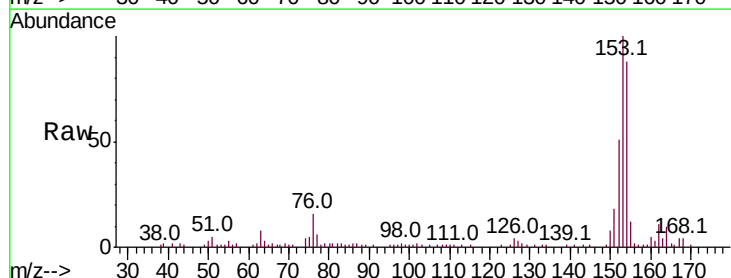
Instrument :
BNA_F
ClientSampleId :

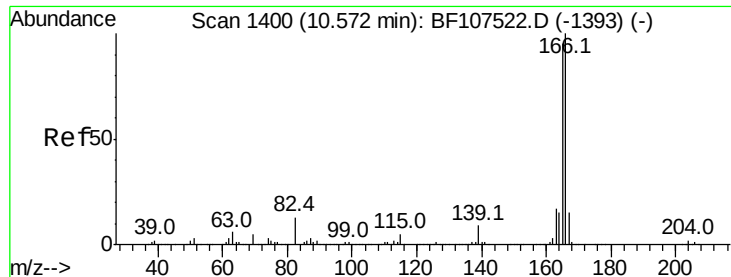
Tot Ion:165 Resp: 37933
Ion Ratio Lower Upper
165 100
63 1.9 44.7 67.1#
89 1.3 44.0 66.0#



#51
Acenaphthene
Concen: 2.813 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.02 min
Lab File: BF107680.D
Acq: 26 Jul 2018 2:47

Tgt Ion:154 Resp: 48581
Ion Ratio Lower Upper
154 100
153 113.2 91.2 136.8
152 57.3 43.8 65.8

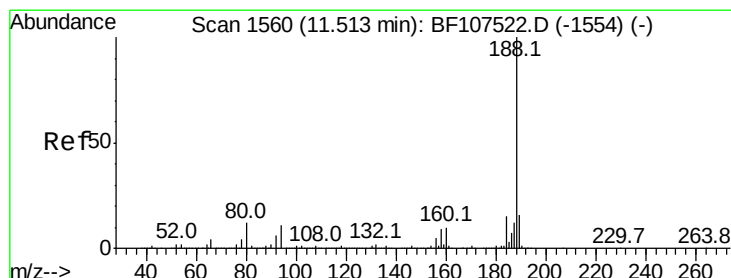
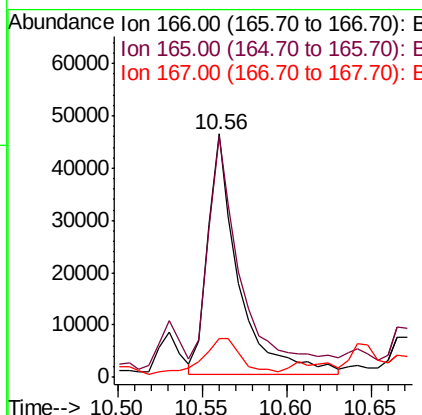
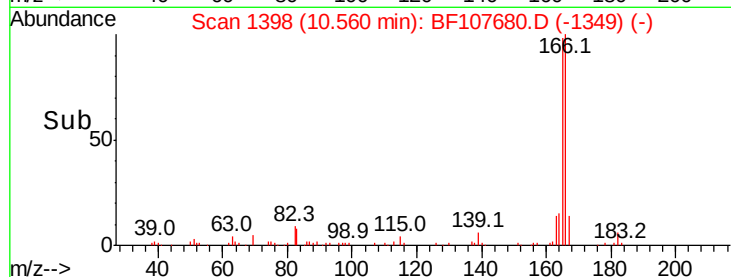
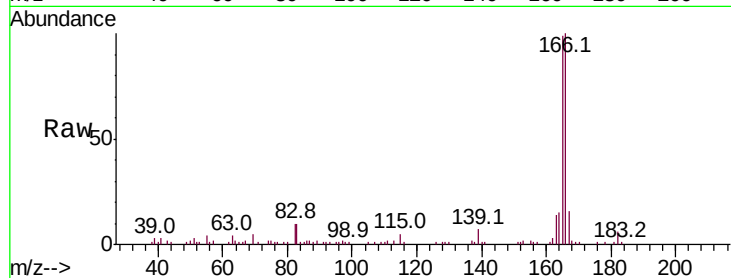




#57
 Fluorene
 Concen: 3.204 ng
 RT: 10.56 min Scan# 1398
 Delta R.T. -0.01 min
 Lab File: BF107680.D
 Acq: 26 Jul 2018 2:47

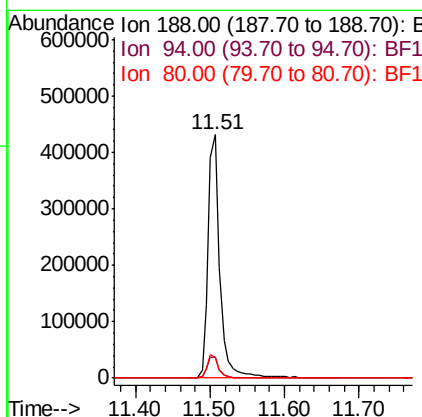
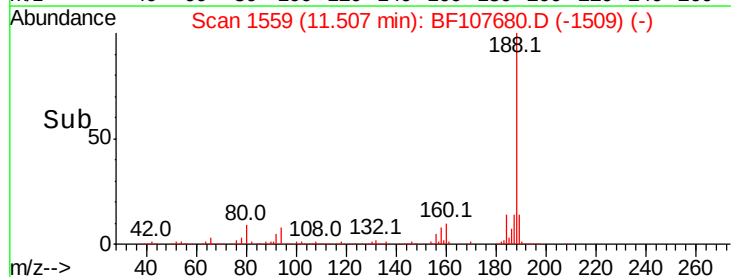
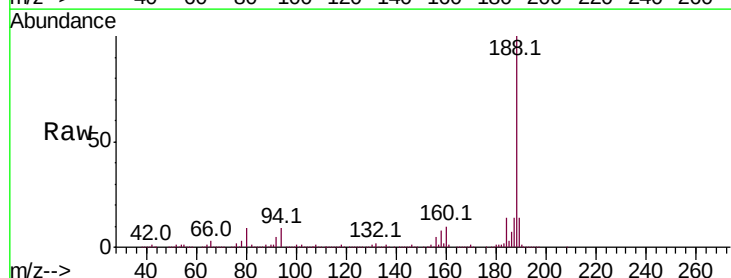
Instrument :
 BNA_F
 ClientSampleId :

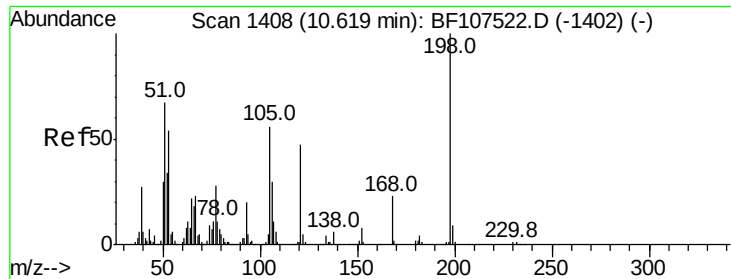
Tot Ion:166 Resp: 58117
 Ion Ratio Lower Upper
 166 100
 165 98.9 79.8 119.8
 167 15.8 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.51 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: BF107680.D
 Acq: 26 Jul 2018 2:47

Tgt Ion:188 Resp: 479634
 Ion Ratio Lower Upper
 188 100
 94 8.5 8.5 12.7
 80 8.7 9.2 13.8#

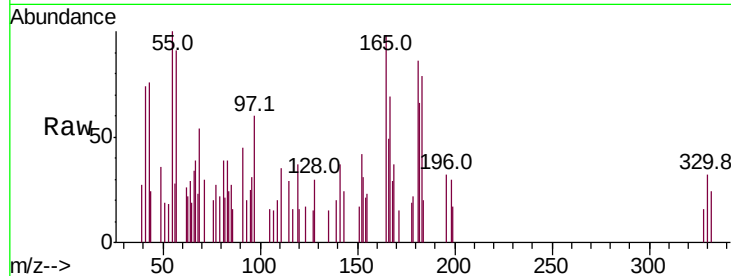




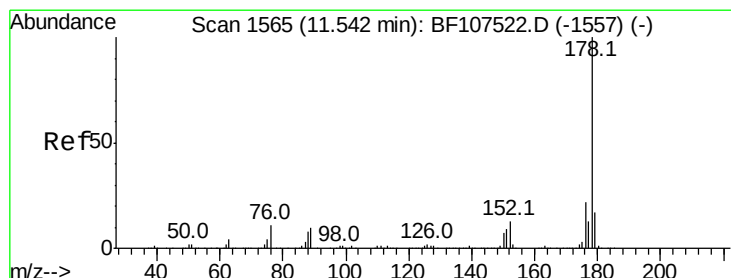
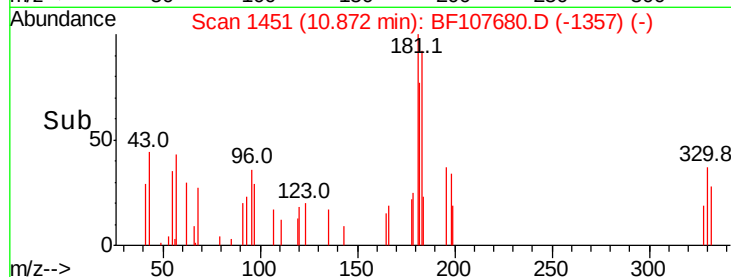
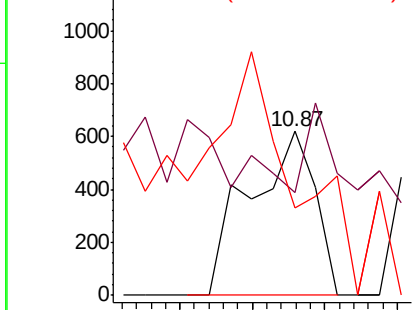
#64
4,6-Dinitro-2-methylphenol
Concen: 8.957 ng
RT: 10.87 min Scan# 1451
Delta R.T. 0.25 min
Lab File: BF107680.D
Acq: 26 Jul 2018 2:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 782
Ion Ratio Lower Upper
198 100
51 62.7 37.7 77.7
105 53.3 36.3 76.3

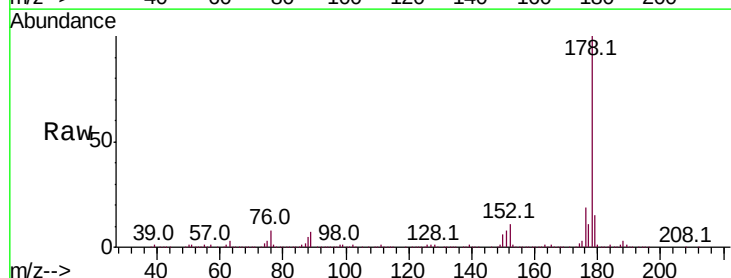


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

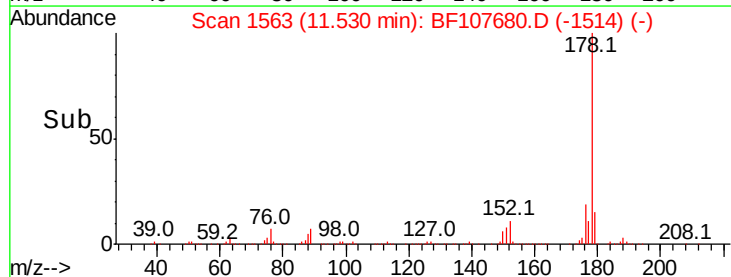
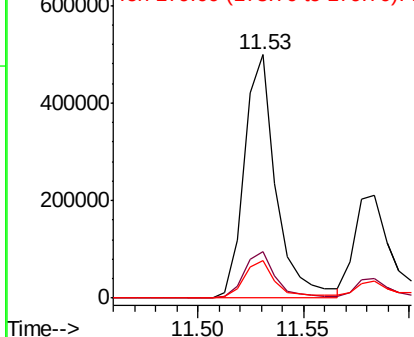


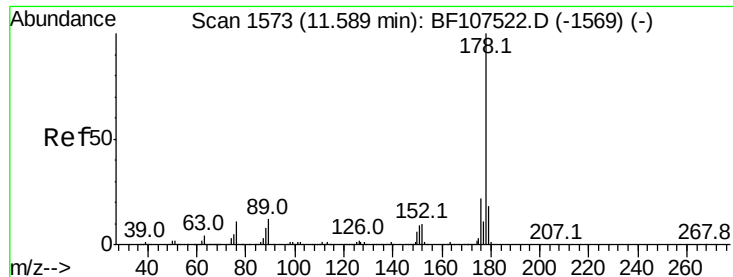
#70
Phenanthrene
Concen: 22.171 ng
RT: 11.53 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF107680.D
Acq: 26 Jul 2018 2:47

Tgt Ion:178 Resp: 518197
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 15.3 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

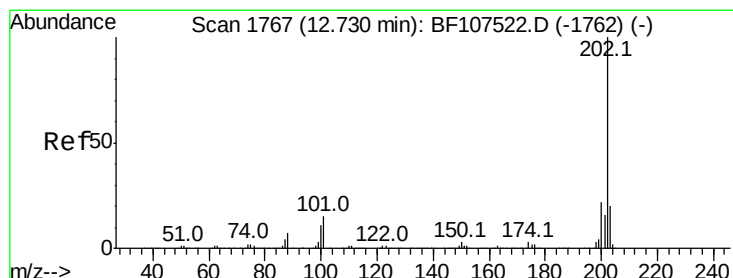
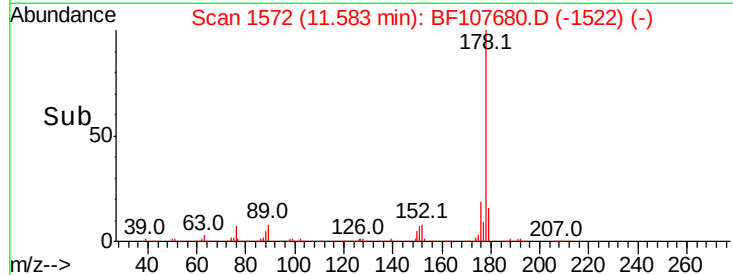
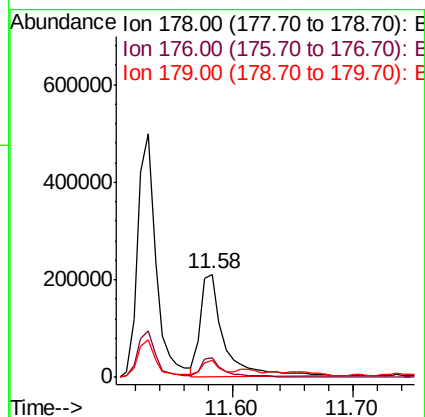
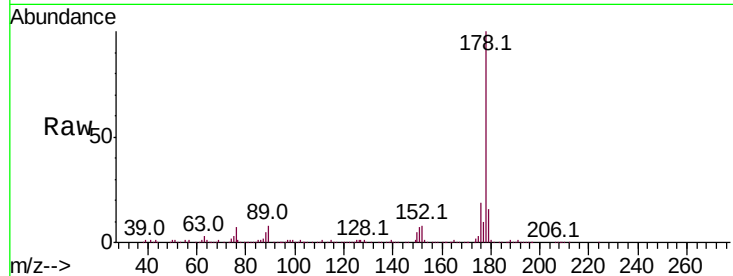




#71
 Anthracene
 Concen: 11.836 ng
 RT: 11.58 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF107680.D
 Acq: 26 Jul 2018 2:47

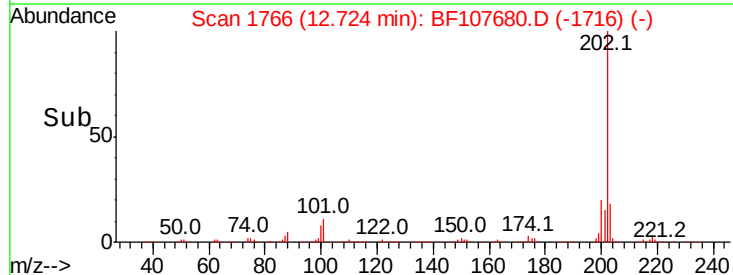
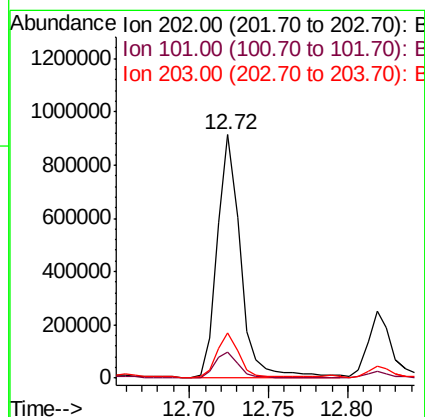
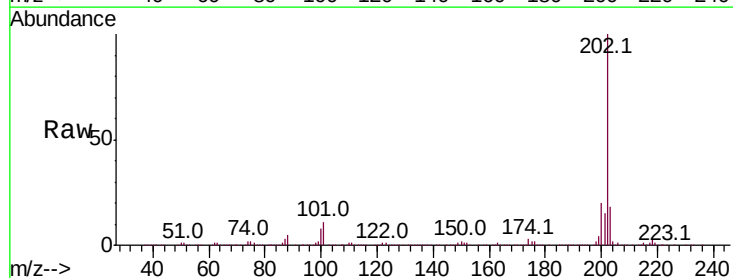
Instrument :
 BNA_F
 ClientSampleId :

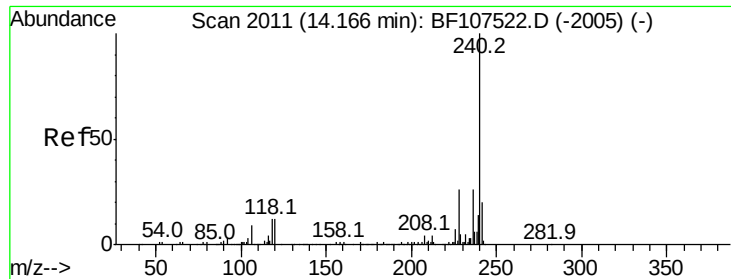
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	16.3	12.6	19.0



#74
 Fluoranthene
 Concen: 37.082 ng
 RT: 12.72 min Scan# 1766
 Delta R.T. -0.01 min
 Lab File: BF107680.D
 Acq: 26 Jul 2018 2:47

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	34.1
203	18.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF107680.D

Acq: 26 Jul 2018 2:47

Instrument :

BNA_F

ClientSampleId :

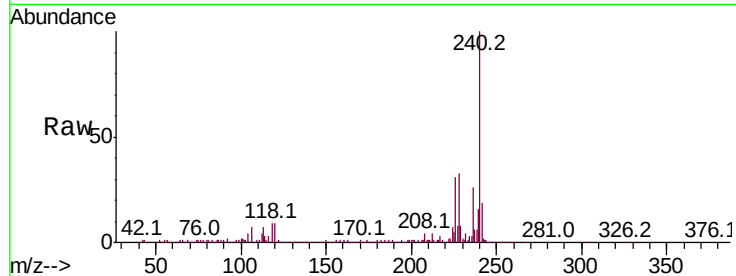
Tot Ion:240 Resp: 367498

Ion Ratio Lower Upper

240 100

120 9.4 9.5 14.3#

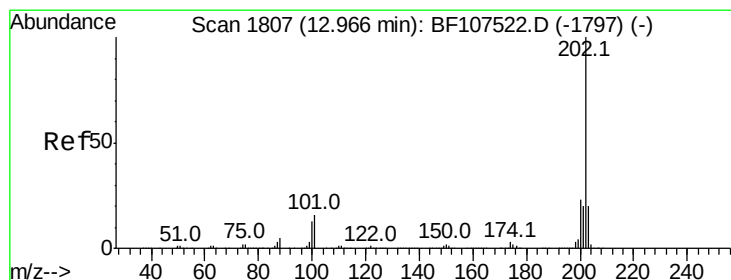
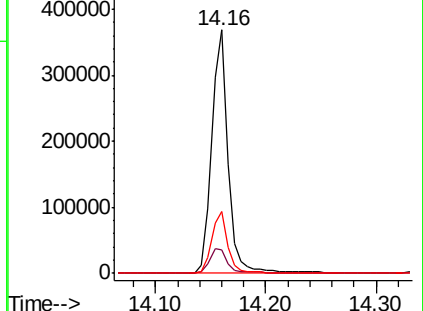
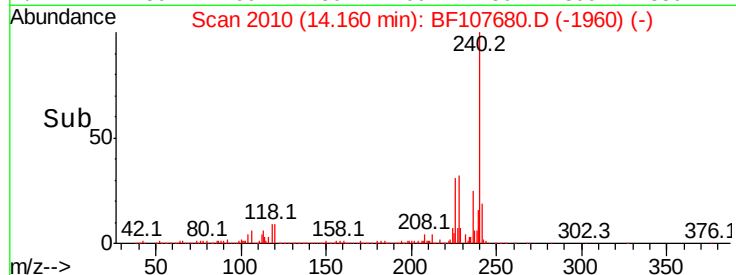
236 25.5 20.7 31.1



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: 46.154 ng

RT: 12.96 min Scan# 1806

Delta R.T. -0.01 min

Lab File: BF107680.D

Acq: 26 Jul 2018 2:47

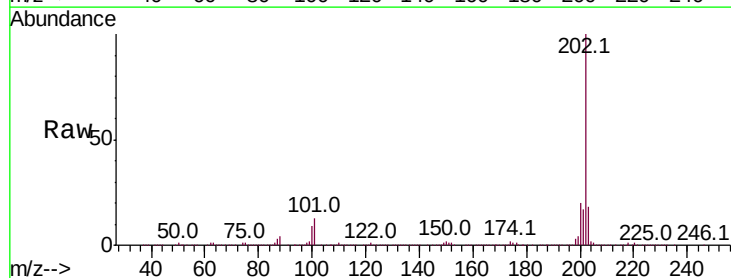
Tgt Ion:202 Resp: 1160181

Ion Ratio Lower Upper

202 100

200 19.8 17.4 26.2

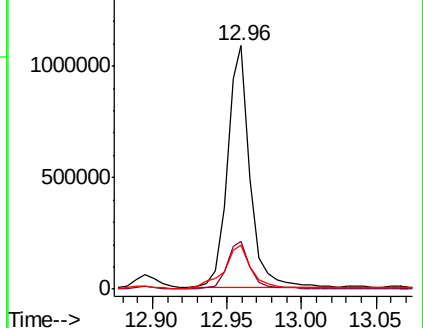
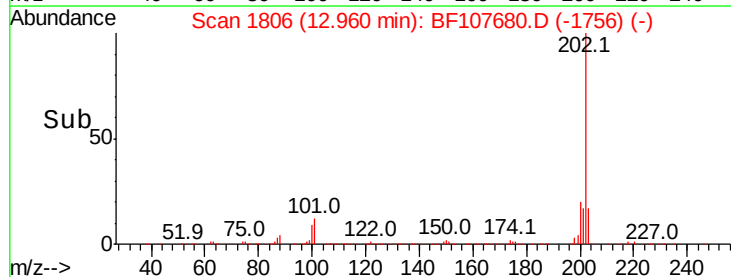
203 18.1 14.3 21.5

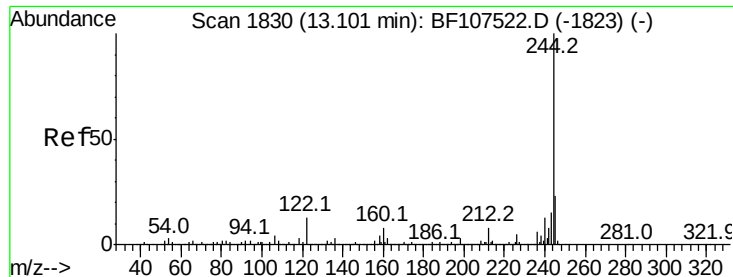


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 6.703 ng

RT: 13.08 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BF107680.D

Acq: 26 Jul 2018 2:47

Instrument :

BNA_F

ClientSampleId :

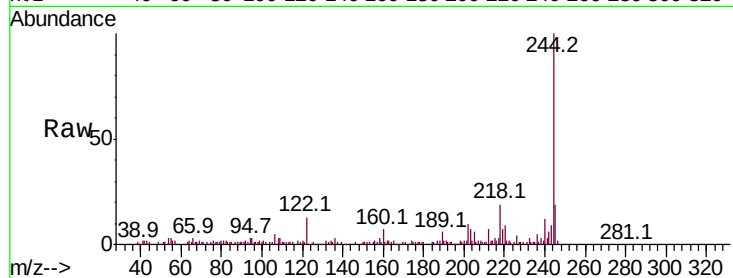
Tot Ion:244 Resp: 96215

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

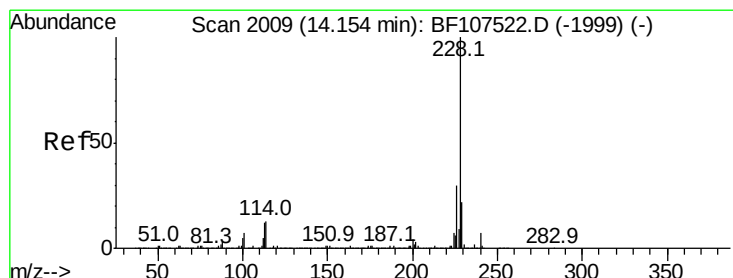
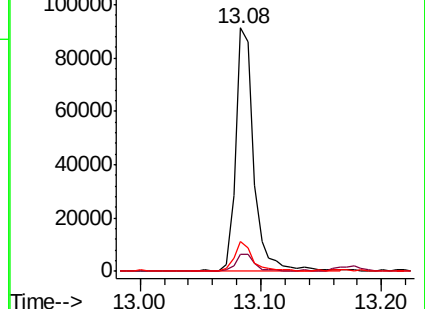
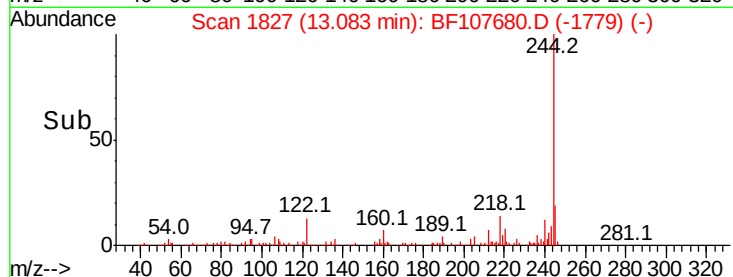
122 12.5 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 18.823 ng

RT: 14.18 min Scan# 2014

Delta R.T. 0.03 min

Lab File: BF107680.D

Acq: 26 Jul 2018 2:47

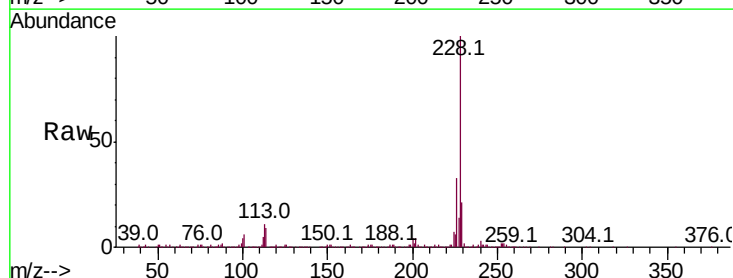
Tgt Ion:228 Resp: 405375

Ion Ratio Lower Upper

228 100

226 33.0 22.6 33.8

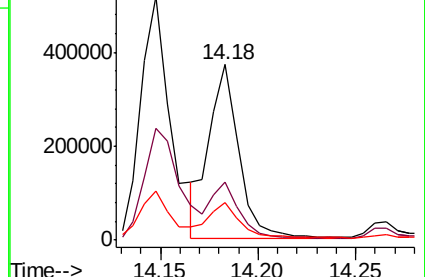
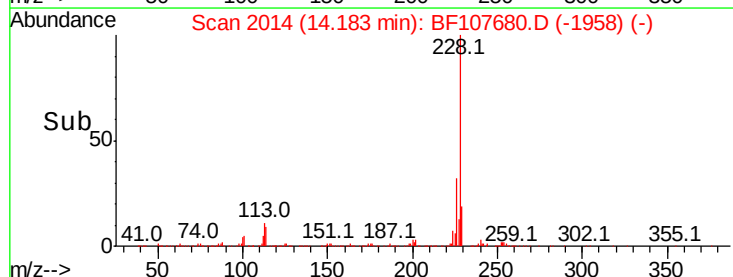
229 21.0 15.8 23.6

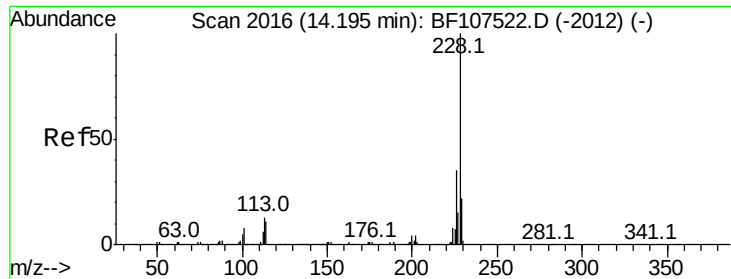


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 19.595 ng

RT: 14.18 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF107680.D

Acq: 26 Jul 2018 2:47

Instrument :

BNA_F

ClientSampleId :

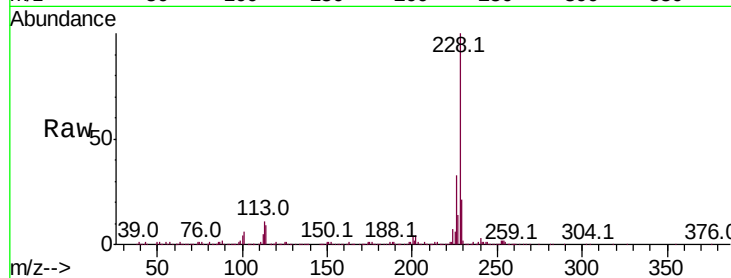
Tot Ion:228 Resp: 405375

Ion Ratio Lower Upper

228 100

226 33.0 25.0 37.6

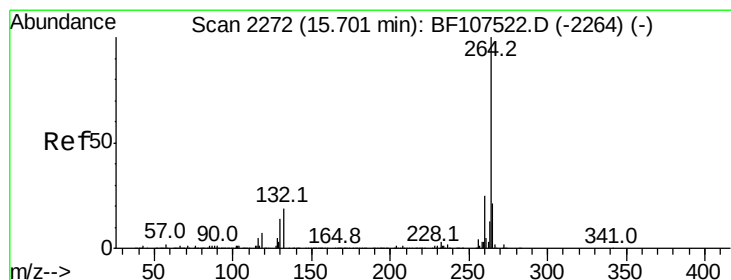
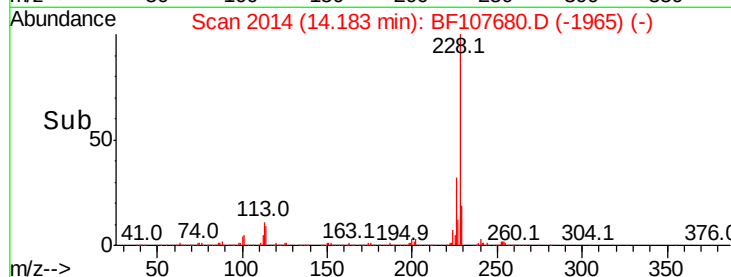
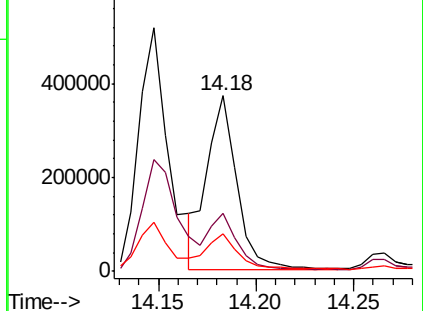
229 21.0 16.2 24.4



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: 15.69 min Scan# 2270

Delta R.T. -0.01 min

Lab File: BF107680.D

Acq: 26 Jul 2018 2:47

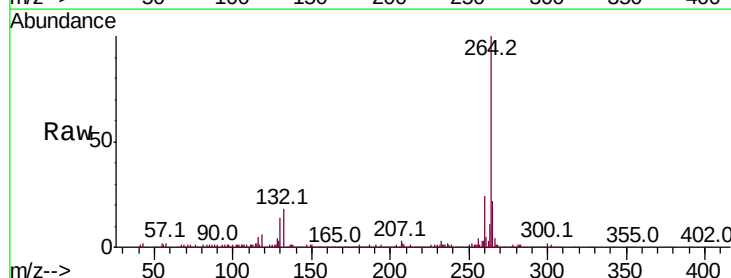
Tgt Ion:264 Resp: 319713

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

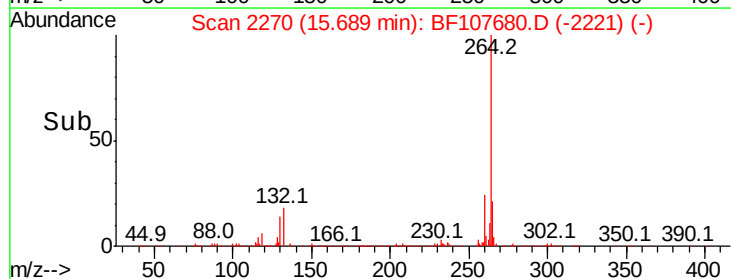
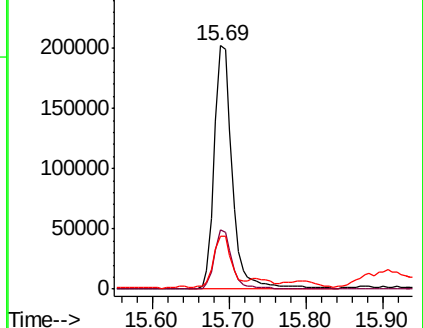
265 21.8 17.5 26.3

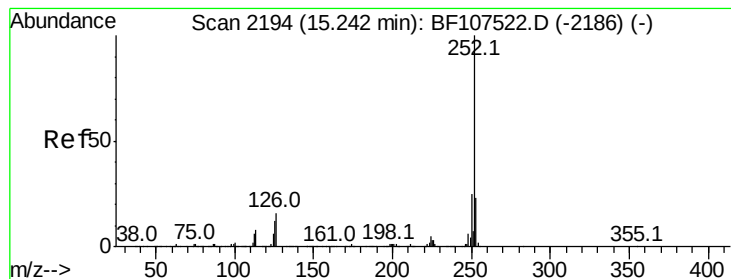


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 27.644 ng

RT: 15.24 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BF107680.D

Acq: 26 Jul 2018 2:47

Instrument :

BNA_F

ClientSampleId :

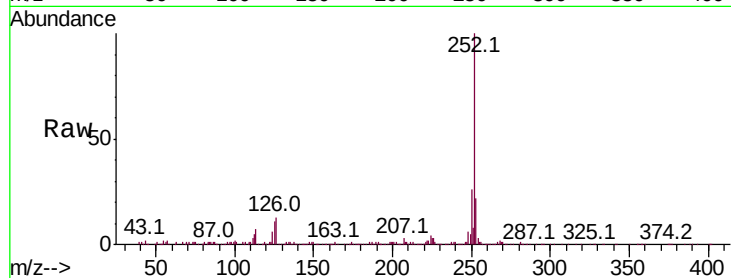
Tot Ion:252 Resp: 483696

Ion Ratio Lower Upper

252 100

253 21.6 17.0 25.6

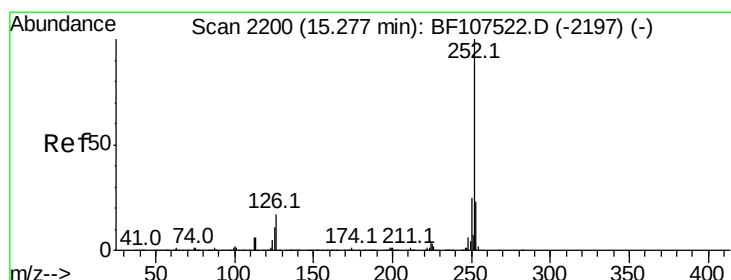
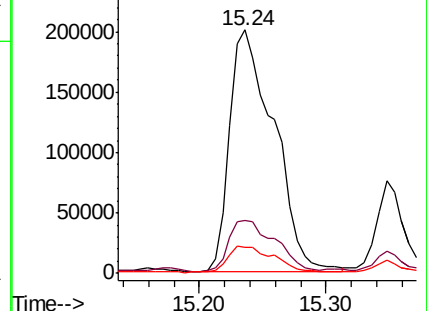
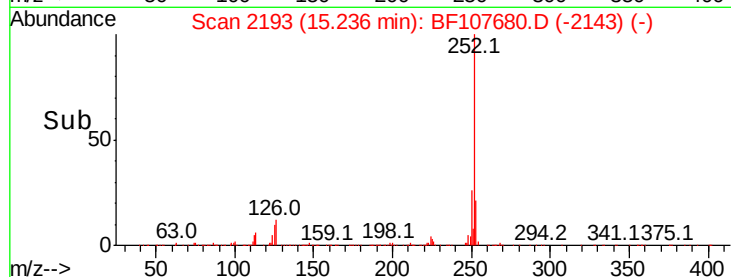
125 10.9 9.0 13.6



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: 28.216 ng

RT: 15.24 min Scan# 2193

Delta R.T. -0.04 min

Lab File: BF107680.D

Acq: 26 Jul 2018 2:47

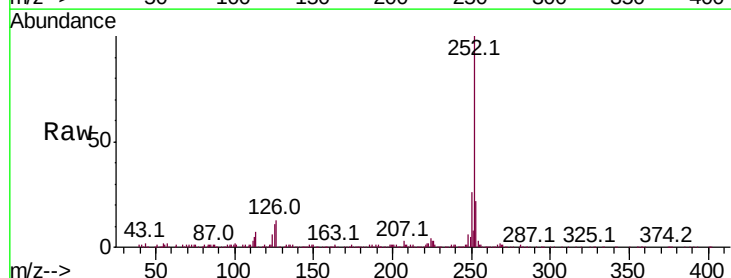
Tgt Ion:252 Resp: 483696

Ion Ratio Lower Upper

252 100

253 21.6 17.9 26.9

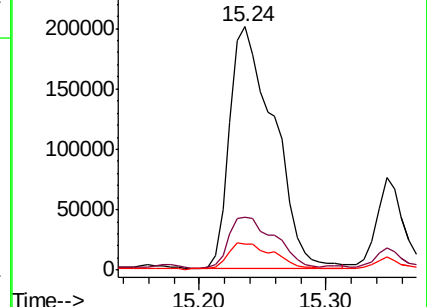
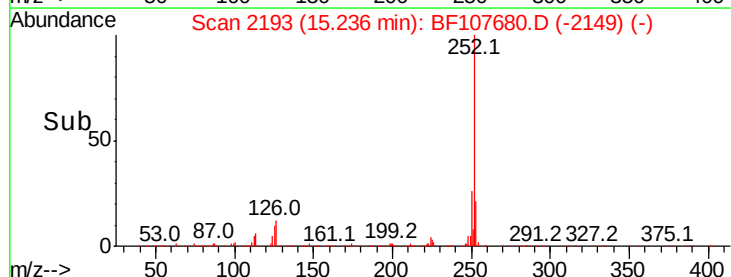
125 10.9 10.2 15.2

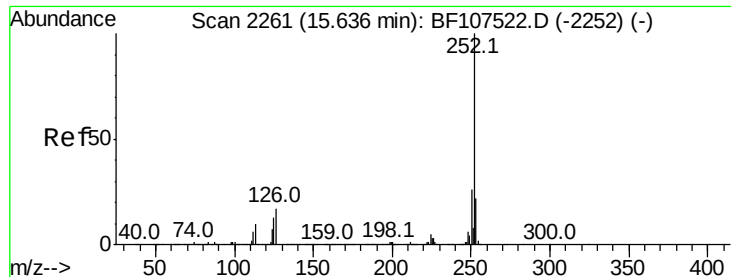


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 23.308 ng

RT: 15.62 min Scan# 2259

Delta R.T. -0.01 min

Lab File: BF107680.D

Acq: 26 Jul 2018 2:47

Instrument :

BNA_F

ClientSampleId :

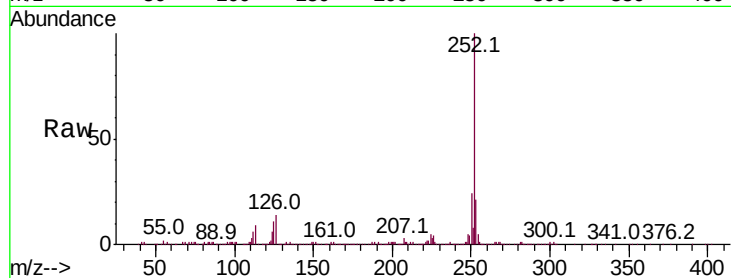
Tot Ion:252 Resp: 373061

Ion Ratio Lower Upper

252 100

253 21.4 17.1 25.7

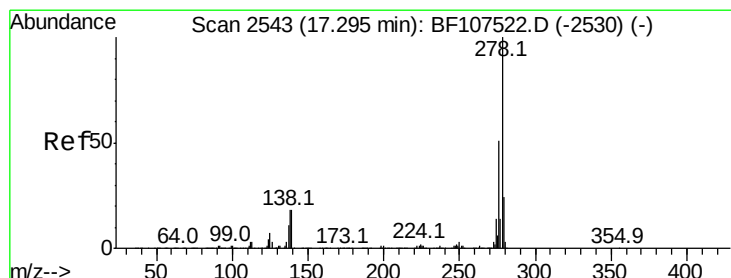
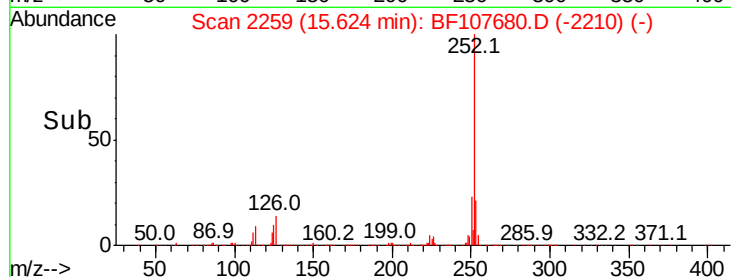
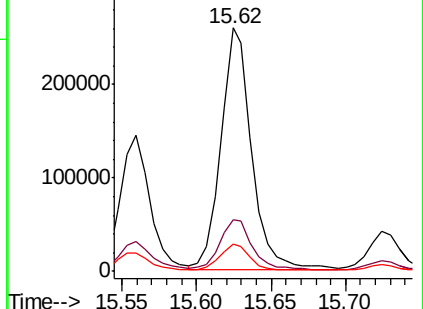
125 11.2 9.8 14.6



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: 2.344 ng

RT: 17.46 min Scan# 2571

Delta R.T. 0.16 min

Lab File: BF107680.D

Acq: 26 Jul 2018 2:47

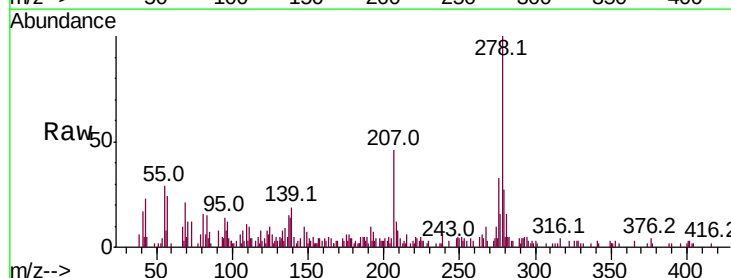
Tgt Ion:278 Resp: 32424

Ion Ratio Lower Upper

278 100

139 18.6 15.9 23.9

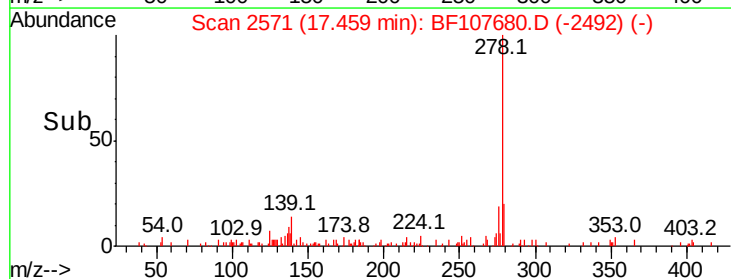
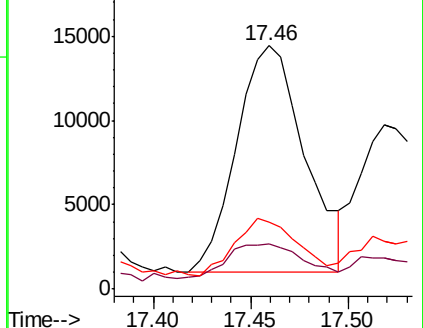
279 27.3 19.0 28.4

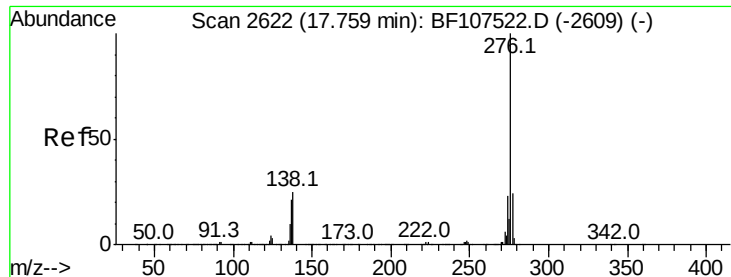


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 10.861 ng
 RT: 17.75 min Scan# 2620
 Delta R.T. -0.01 min
 Lab File: BF107680.D
 Acq: 26 Jul 2018 2:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.7	17.9	26.9
138	21.8	21.8	32.8

