

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070318\
 Data File : BF107091.D
 Acq On : 3 Jul 2018 19:24
 Operator : JU/SJ
 Sample : J3243-05 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 03 22:48:25 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 14:38:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	51659	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	180508	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	78343	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	164524	20.00	ng	0.00
75) Chrysene-d12	14.15	240	148316	20.00	ng	-0.02
86) Perylene-d12	15.69	264	111520	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	169089	55.43	ng	0.00
7) Phenol-d6	6.60	99	201541	52.90	ng	-0.01
23) Nitrobenzene-d5	7.52	82	105885	32.60	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	50844	55.99	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	208720	36.72	ng	-0.02
78) Terphenyl-d14	13.08	244	284978	46.54	ng	0.00

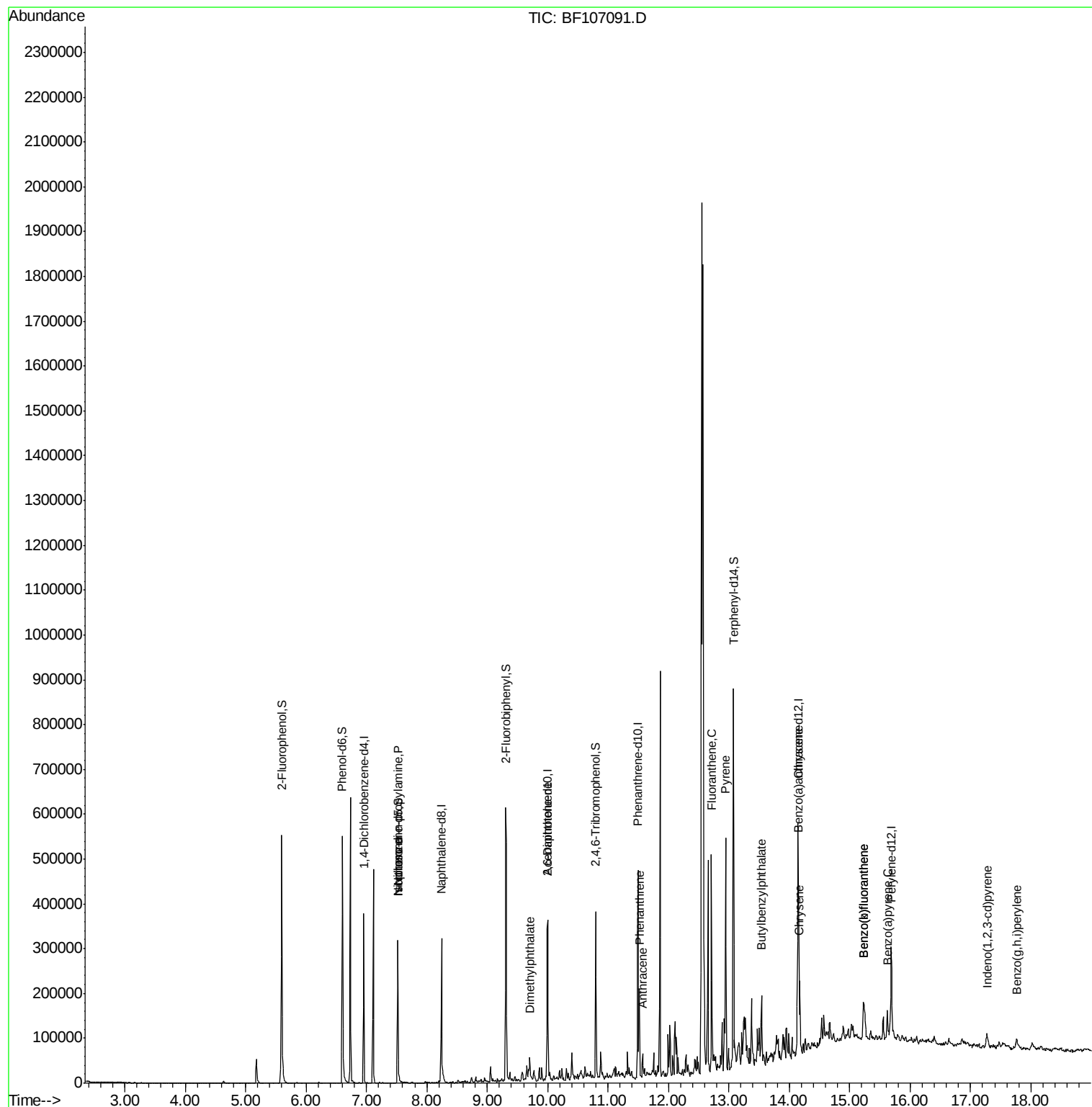
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.52	70	13634	5.429	ng	# 74
25) Isophorone	7.52	82	105884	18.500	ng	# 64
49) Dimethylphthalate	9.70	163	21248	3.616	ng	# 95
50) 2,6-Dinitrotoluene	10.00	165	10409	8.366	ng	# 24
70) Phenanthrene	11.52	178	70845	8.928	ng	98
71) Anthracene	11.57	178	22890	2.826	ng	97
74) Fluoranthene	12.72	202	201884	23.082	ng	93
77) Pyrene	12.95	202	210147	21.487	ng	99
79) Butylbenzylphthalate	13.54	149	26897	6.689	ng	# 95
80) Benzo(a)anthracene	14.14	228	80094	8.860	ng	97
82) Chrysene	14.17	228	66837	8.037	ng	96
85) Indeno(1,2,3-cd)pyrene	17.28	276	16217	2.298	ng	# 92
87) Benzo(b)fluoranthene	15.23	252	65397	9.440	ng	97
88) Benzo(k)fluoranthene	15.23	252	65397	9.913	ng	97
89) Benzo(a)pyrene	15.62	252	33922	5.508	ng	96
91) Benzo(g,h,i)perylene	17.76	276	19794	3.880	ng	# 87

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

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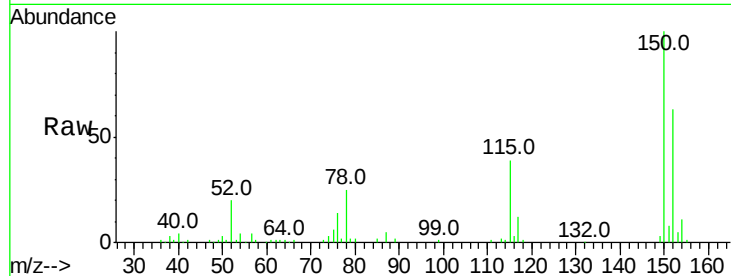


#1

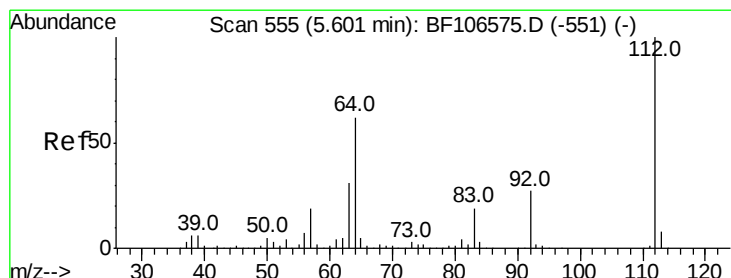
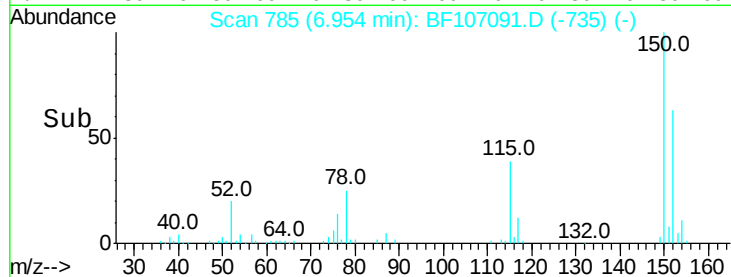
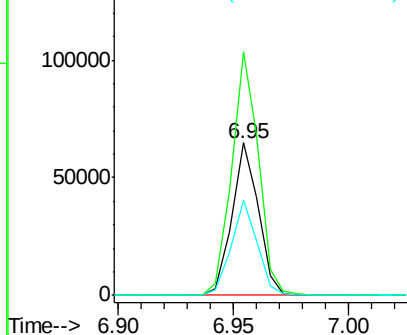
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF107091.D
Acq: 3 Jul 2018 19:24

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 51659
Ion Ratio Lower Upper
152 100
150 159.8 124.6 186.8
115 62.3 50.1 75.1



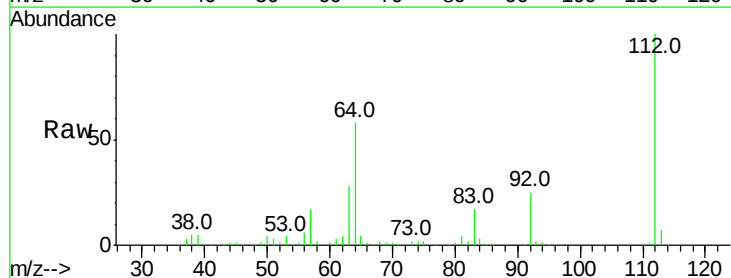
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



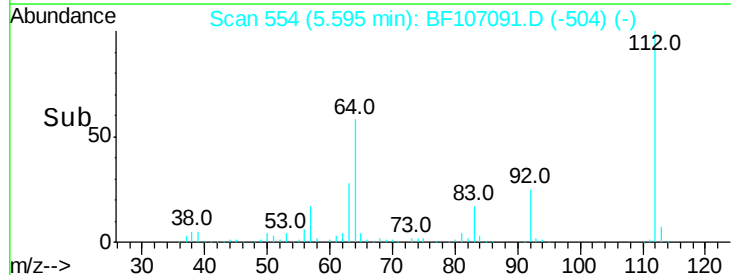
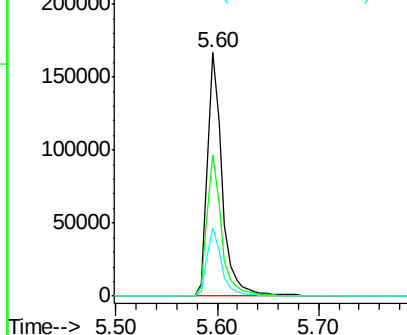
#5

2-Fluorophenol
Concen: 55.425 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107091.D
Acq: 3 Jul 2018 19:24

Tgt Ion:112 Resp: 169089
Ion Ratio Lower Upper
112 100
64 58.2 47.9 71.9
63 28.3 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: 52.901 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107091.D

Acq: 3 Jul 2018 19:24

Instrument :

BNA_F

ClientSampleId :

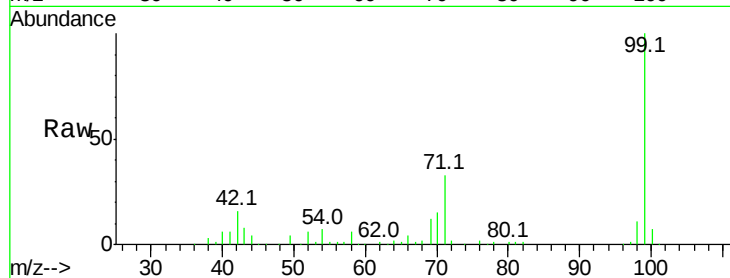
Tot Ion: 99 Resp: 201541

Ion Ratio Lower Upper

99 100

42 16.0 14.5 21.7

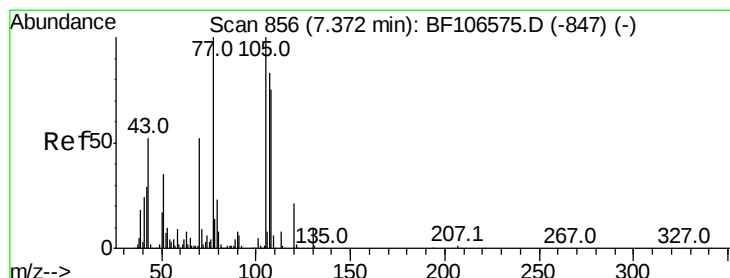
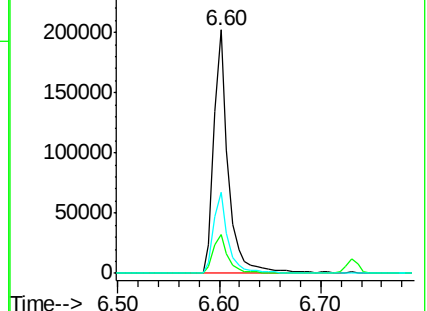
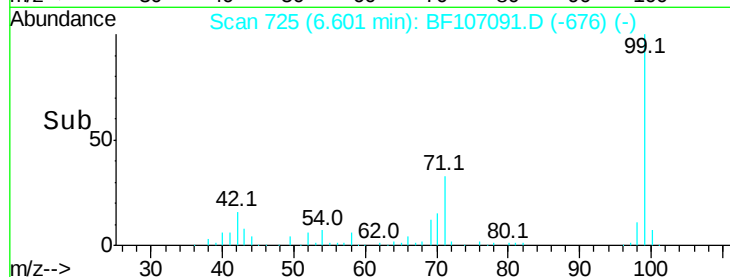
71 33.2 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.429 ng

RT: 7.52 min Scan# 881

Delta R.T. 0.14 min

Lab File: BF107091.D

Acq: 3 Jul 2018 19:24

Tgt Ion: 70 Resp: 13634

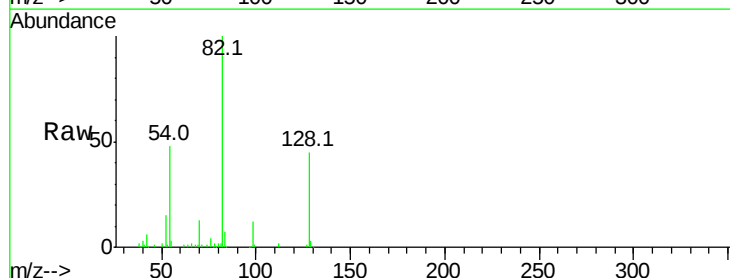
Ion Ratio Lower Upper

70 100

42 43.4 47.5 71.3#

101 0.0 7.4 11.2#

130 2.7 16.6 25.0#

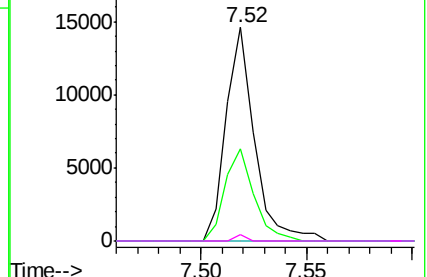
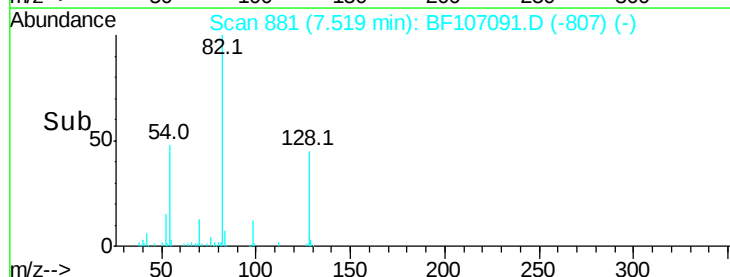


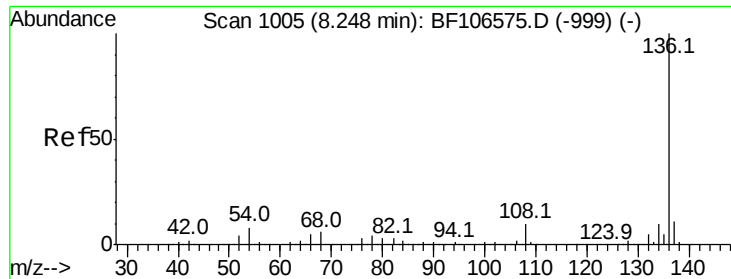
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

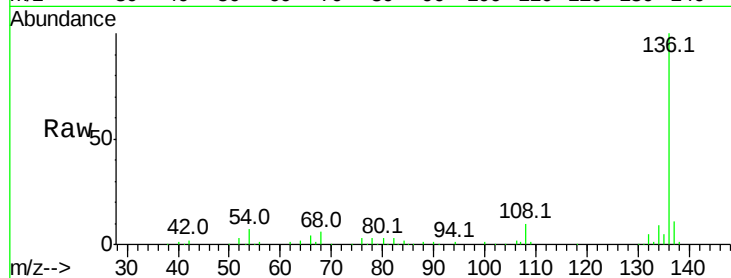




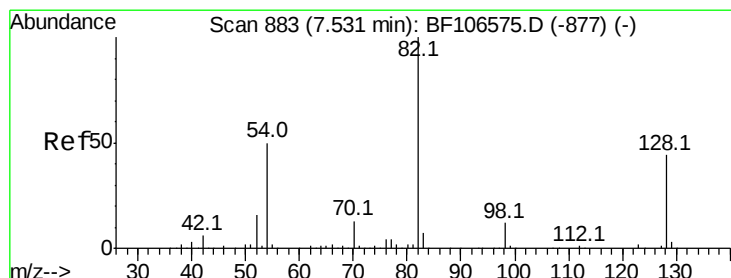
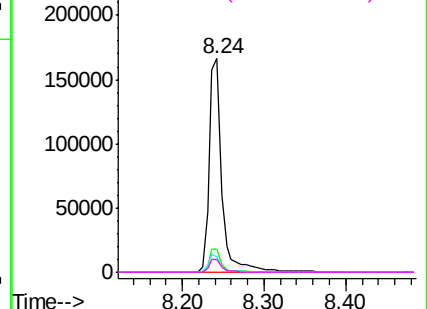
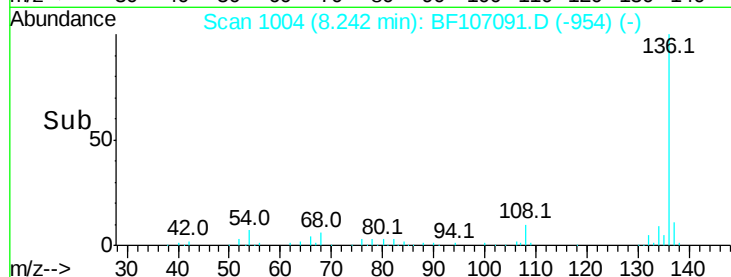
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF107091.D
Acq: 3 Jul 2018 19:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	180508
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	7.1	6.6	9.8
68	5.7	5.0	7.4

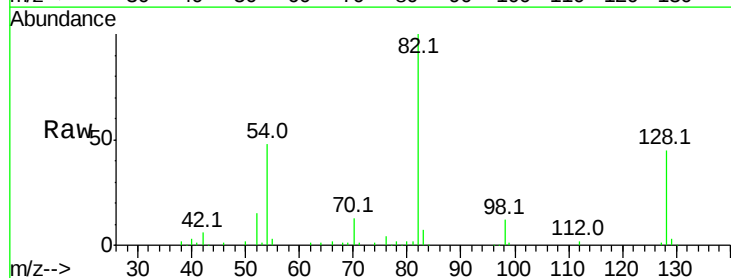


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

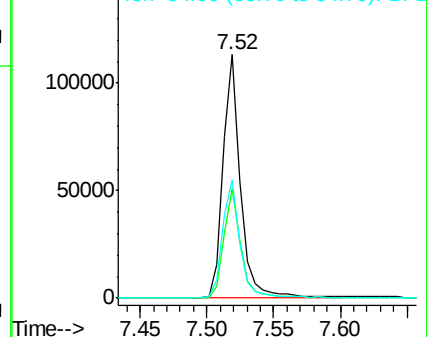
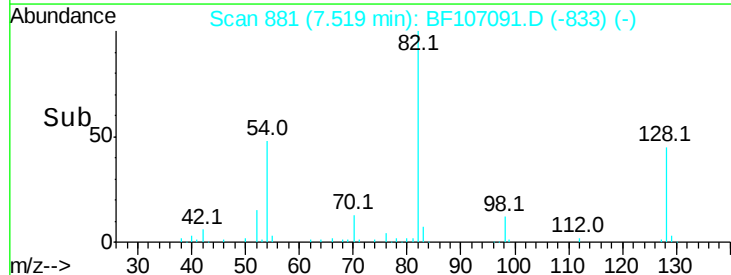


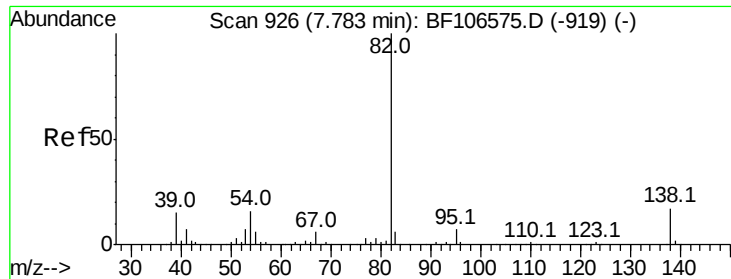
#23
Nitrobenzene-d5
Concen: 32.599 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF107091.D
Acq: 3 Jul 2018 19:24

Tgt Ion:	82	Resp:	105885
Ion	Ratio	Lower	Upper
82	100		
128	44.7	36.1	54.1
54	48.3	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

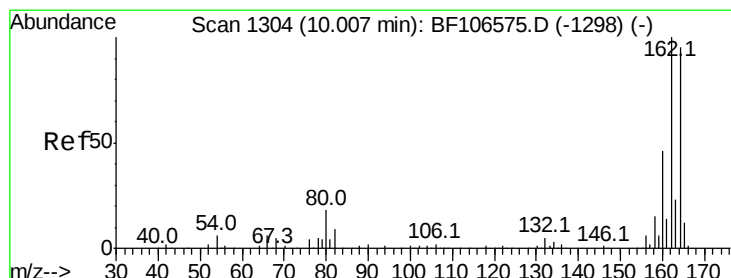
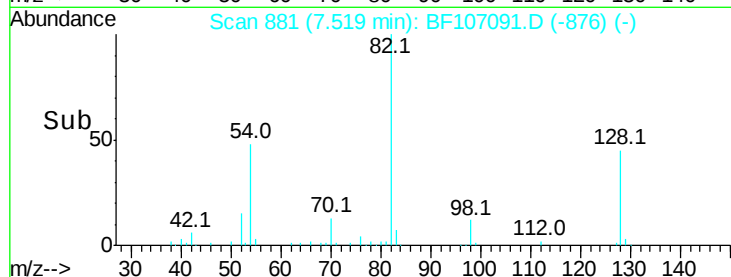
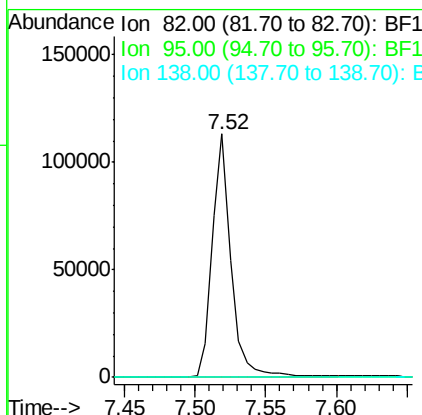
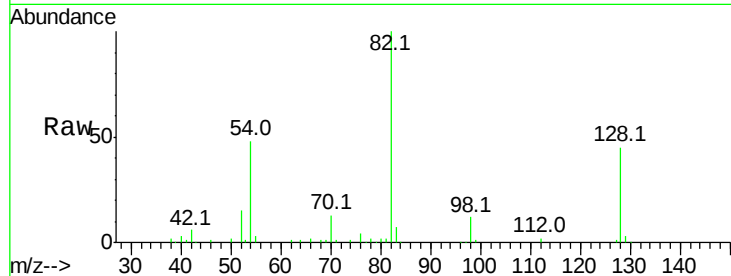




#25
Isophorone
Concen: 18.500 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.27 min
Lab File: BF107091.D
Acq: 3 Jul 2018 19:24

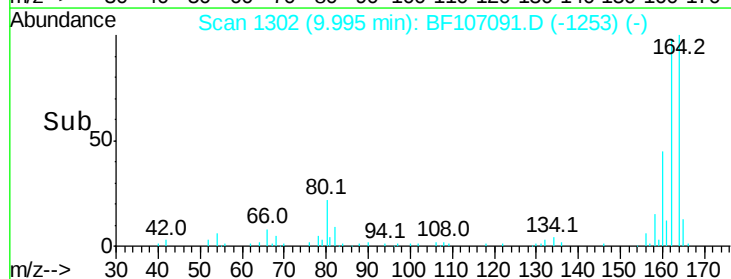
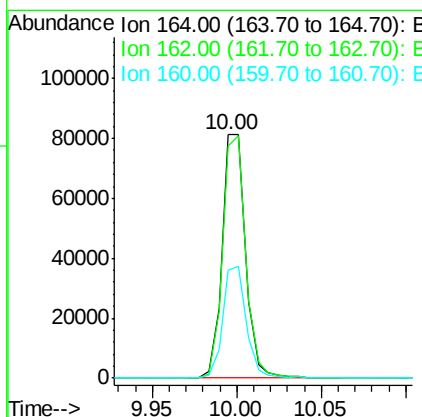
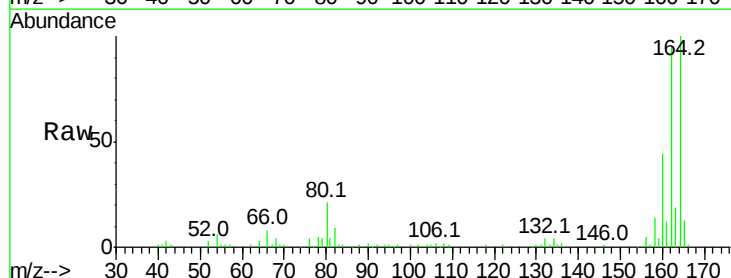
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 105884
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF107091.D
Acq: 3 Jul 2018 19:24

Tgt Ion:164 Resp: 78343
Ion Ratio Lower Upper
164 100
162 95.1 86.1 129.1
160 44.1 38.3 57.5

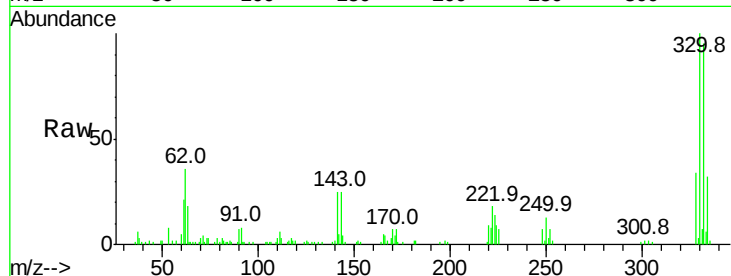




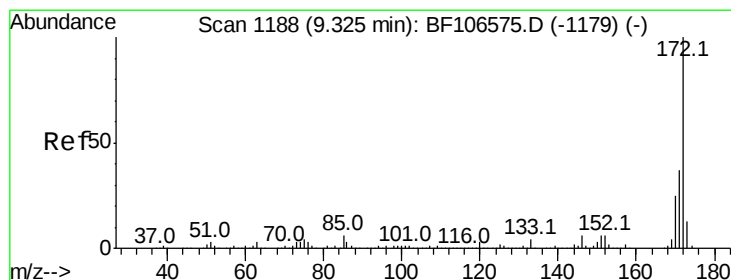
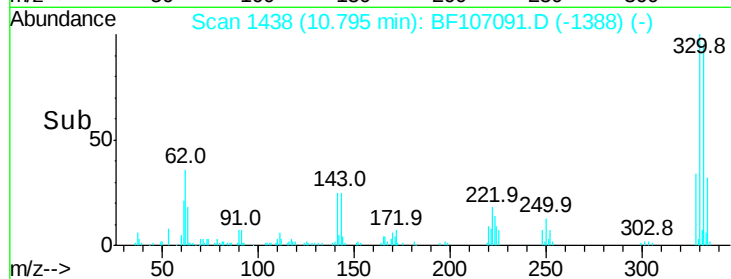
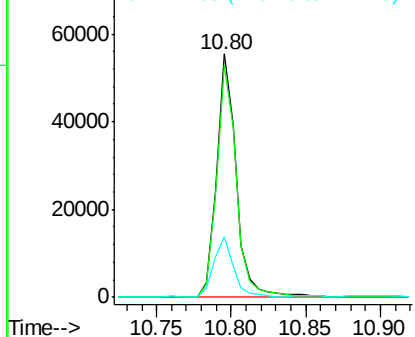
#41
 2,4,6-Tribromophenol
 Concen: 55.995 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF107091.D
 Acq: 3 Jul 2018 19:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 50844
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.0 115.6
 141 25.4 29.9 44.9#

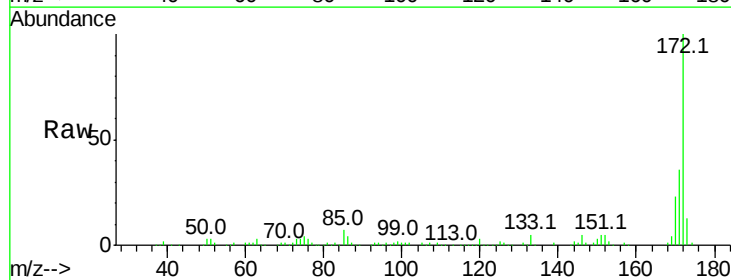


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

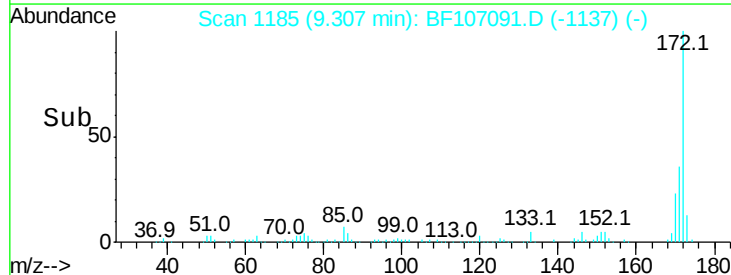
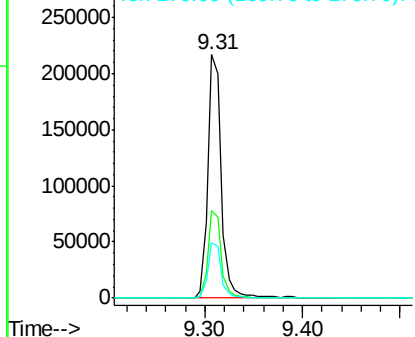


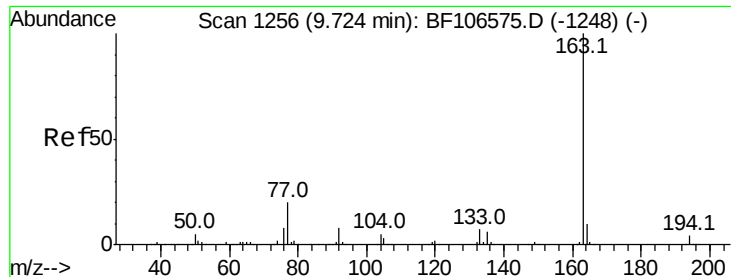
#44
 2-Fluorobiphenyl
 Concen: 36.715 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF107091.D
 Acq: 3 Jul 2018 19:24

Tgt Ion:172 Resp: 208720
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.7 44.5
 170 22.9 19.6 29.4



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

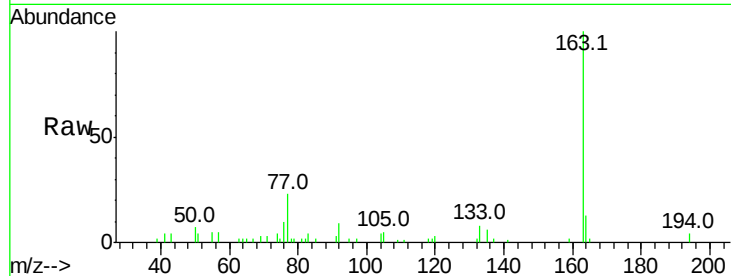




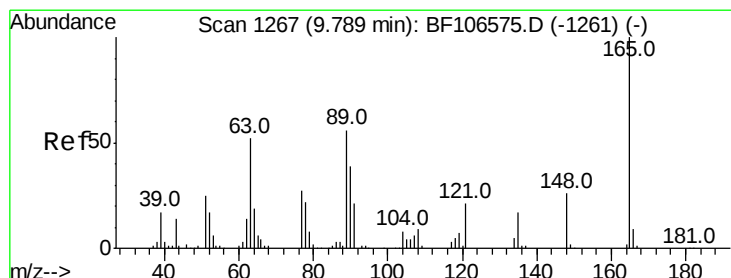
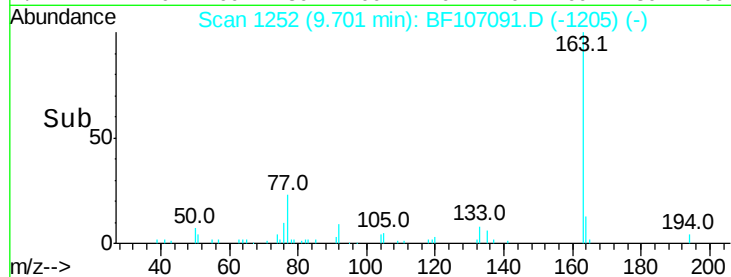
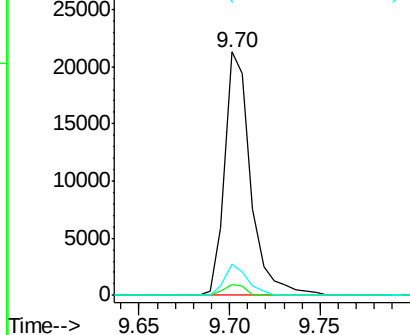
#49
Dimethylphthalate
Concen: 3.616 ng
RT: 9.70 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF107091.D
Acq: 3 Jul 2018 19:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 21248
Ion Ratio Lower Upper
163 100
194 4.2 2.7 4.1#
164 12.6 8.2 12.2#

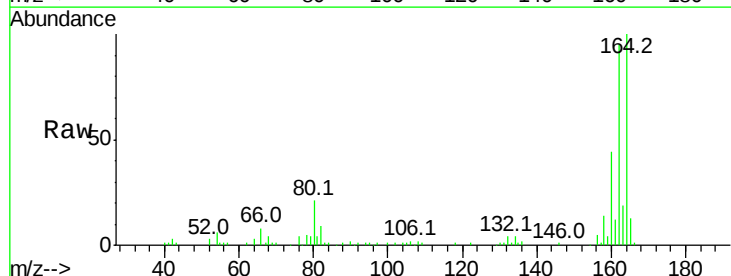


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

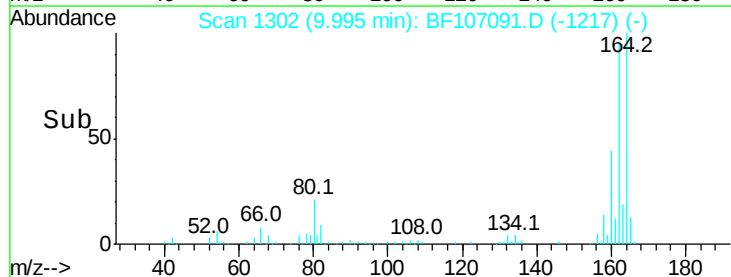
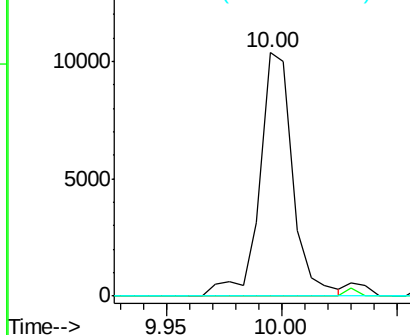


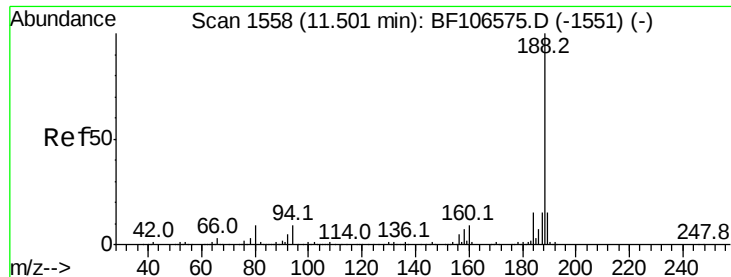
#50
2,6-Dinitrotoluene
Concen: 8.366 ng
RT: 10.00 min Scan# 1302
Delta R.T. 0.20 min
Lab File: BF107091.D
Acq: 3 Jul 2018 19:24

Tgt Ion:165 Resp: 10409
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 0.0 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF107091.D

Acq: 3 Jul 2018 19:24

Instrument :

BNA_F

ClientSampled :

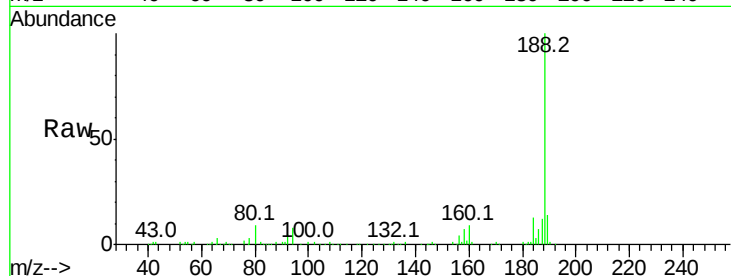
Tot Ion:188 Resp: 164524

Ion Ratio Lower Upper

188 100

94 8.2 8.5 12.7#

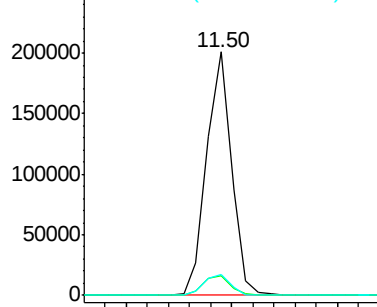
80 8.8 9.2 13.8#



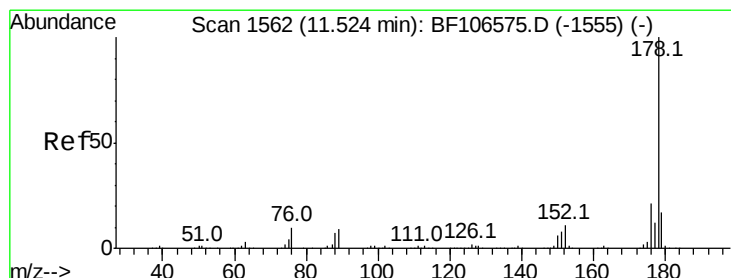
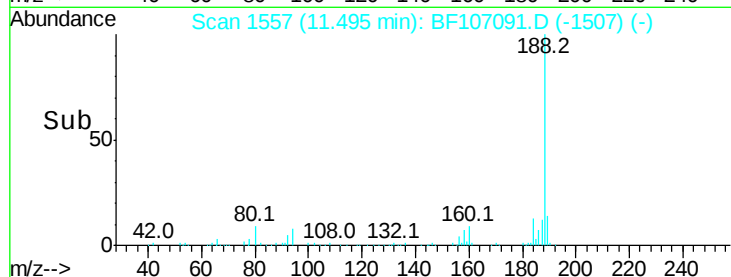
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



Time-->



#70

Phenanthrene

Concen: 8.928 ng

RT: 11.52 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF107091.D

Acq: 3 Jul 2018 19:24

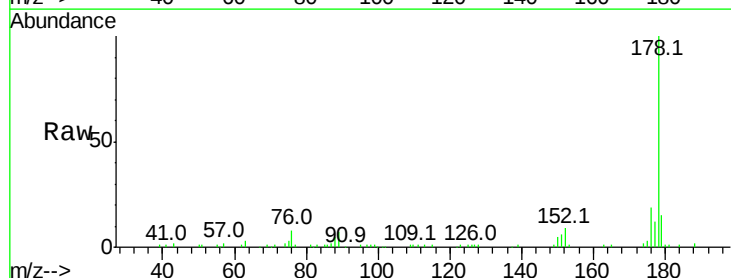
Tgt Ion:178 Resp: 70845

Ion Ratio Lower Upper

178 100

176 19.0 15.8 23.8

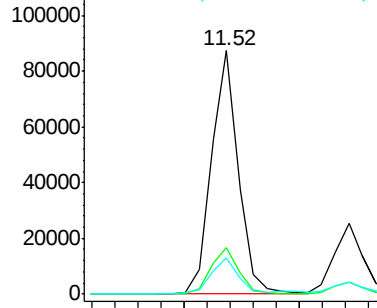
179 14.9 13.0 19.6



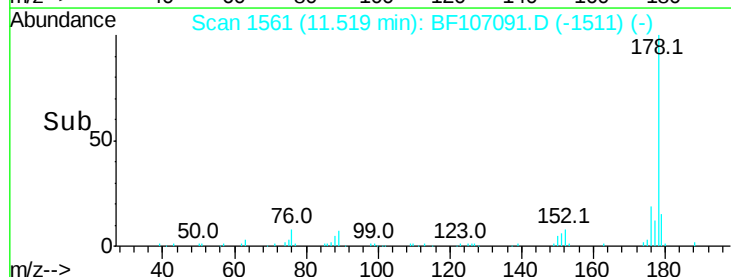
Abundance Ion 178.00 (177.70 to 178.70): E

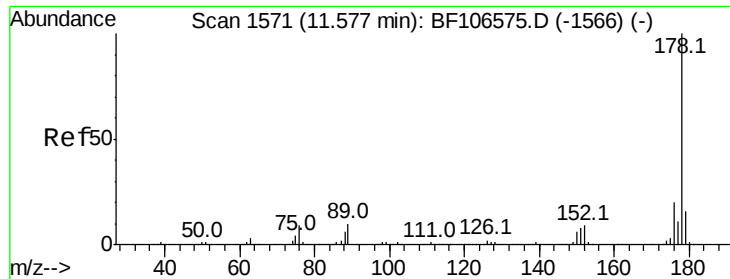
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->

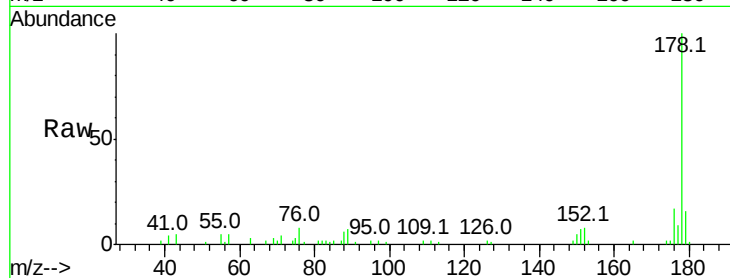




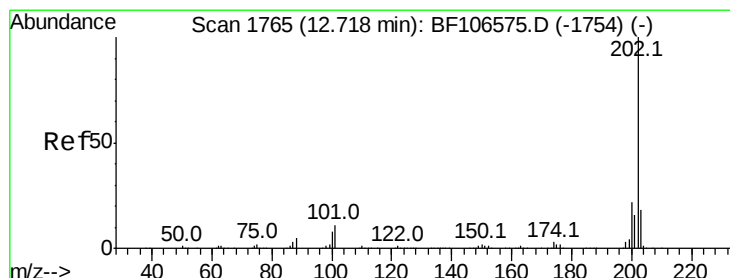
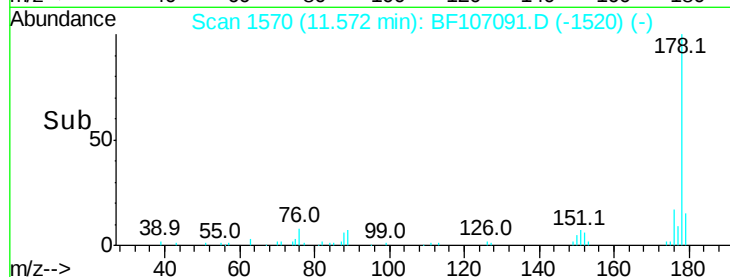
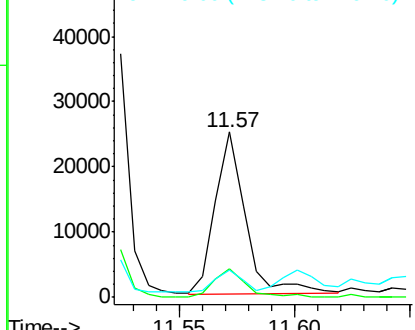
#71
 Anthracene
 Concen: 2.826 ng
 RT: 11.57 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF107091.D
 Acq: 3 Jul 2018 19:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 22890
 Ion Ratio Lower Upper
 178 100
 176 17.2 15.4 23.2
 179 16.2 12.6 19.0

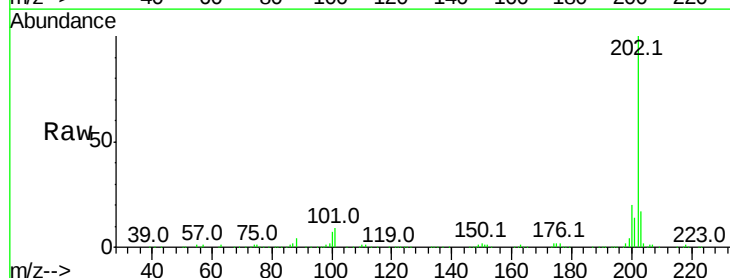


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

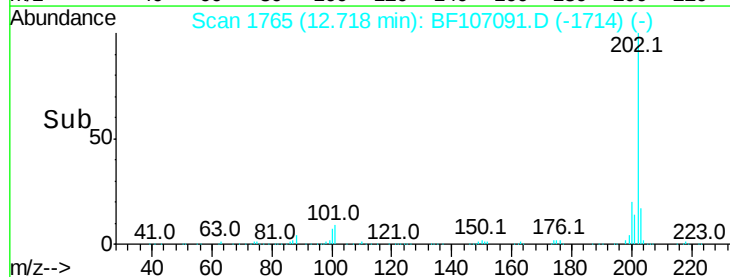
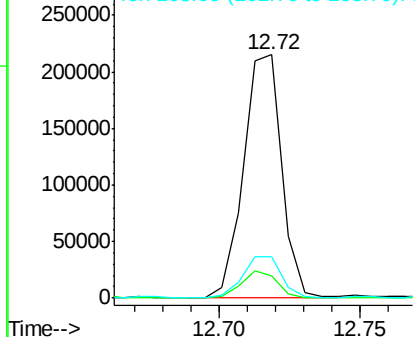


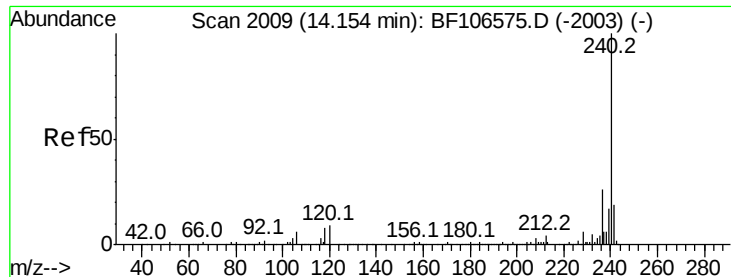
#74
 Fluoranthene
 Concen: 23.082 ng
 RT: 12.72 min Scan# 1765
 Delta R.T. -0.00 min
 Lab File: BF107091.D
 Acq: 3 Jul 2018 19:24

Tgt Ion:202 Resp: 201884
 Ion Ratio Lower Upper
 202 100
 101 8.9 0.0 34.1
 203 16.9 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BF107091.D

Acq: 3 Jul 2018 19:24

Instrument :

BNA_F

ClientSampled :

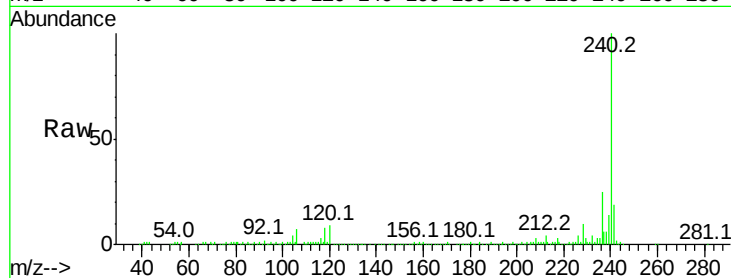
Tot Ion:240 Resp: 148316

Ion Ratio Lower Upper

240 100

120 8.9 9.5 14.3#

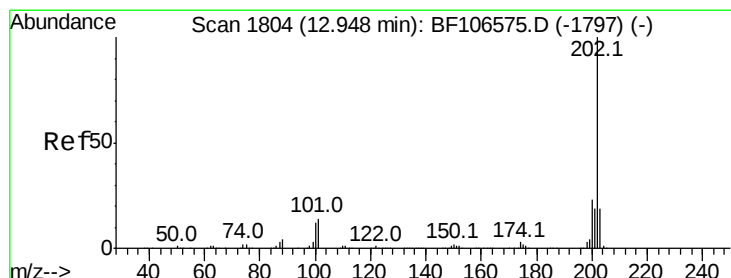
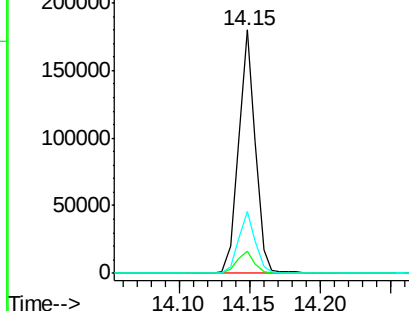
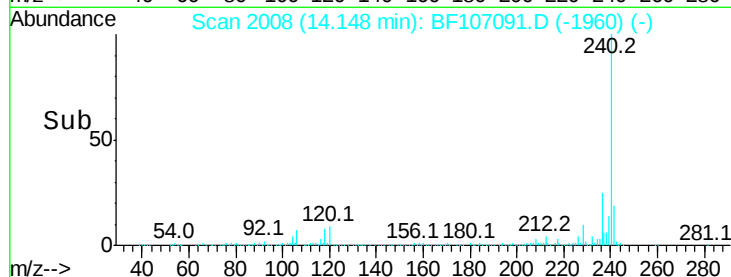
236 25.3 20.7 31.1



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: 21.487 ng

RT: 12.95 min Scan# 1804

Delta R.T. -0.00 min

Lab File: BF107091.D

Acq: 3 Jul 2018 19:24

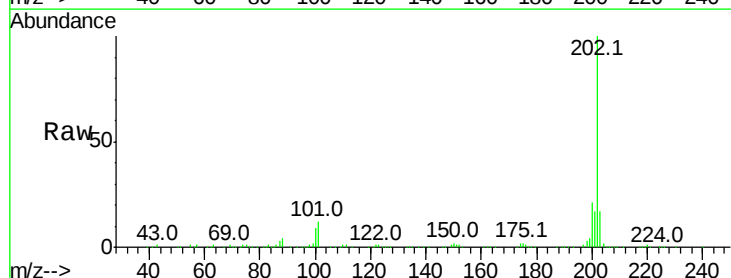
Tgt Ion:202 Resp: 210147

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

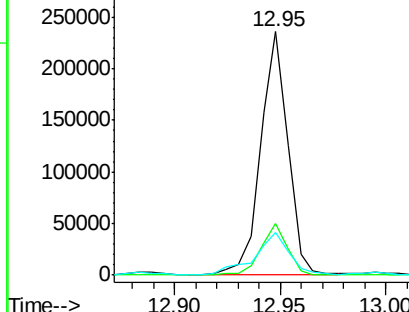
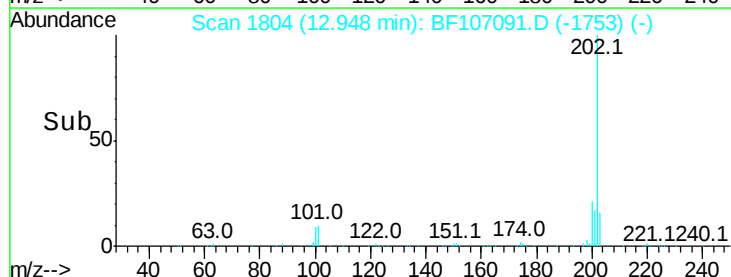
203 17.3 14.3 21.5

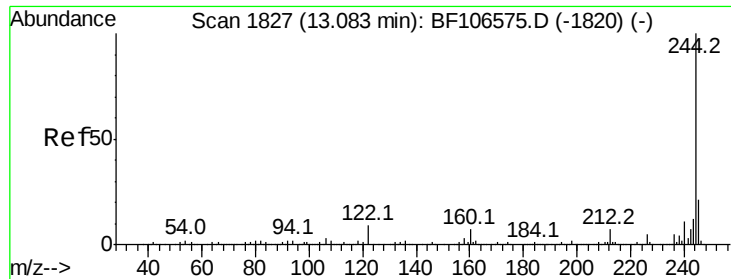


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

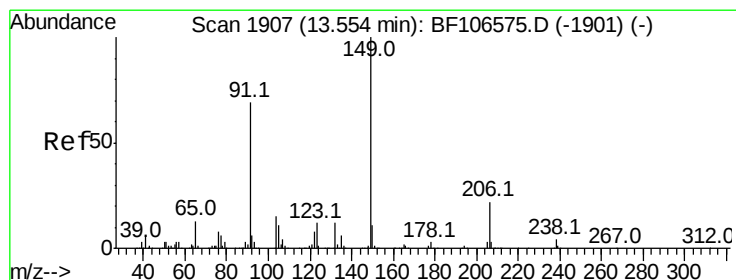
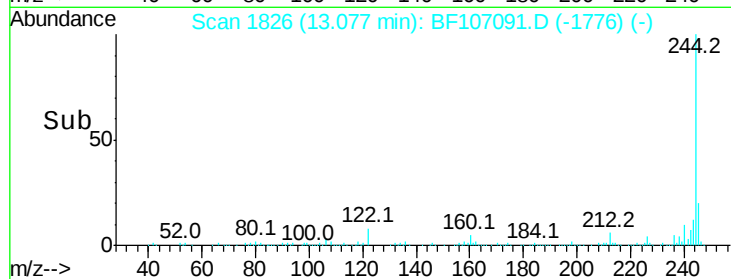
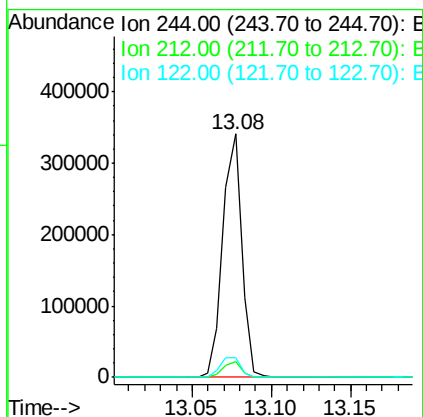
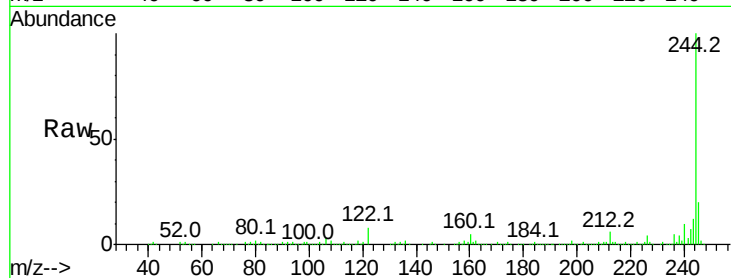




#78
 Terphenyl-d14
 Concen: 46.543 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF107091.D
 Acq: 3 Jul 2018 19:24

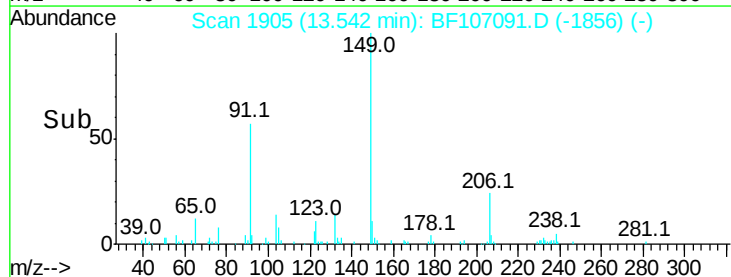
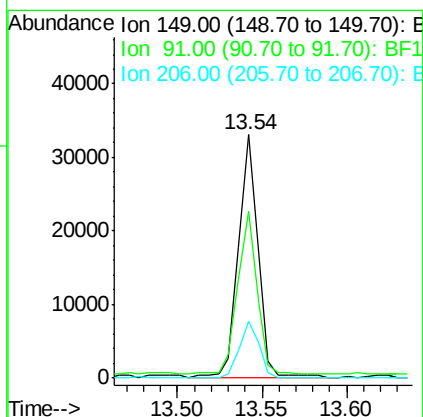
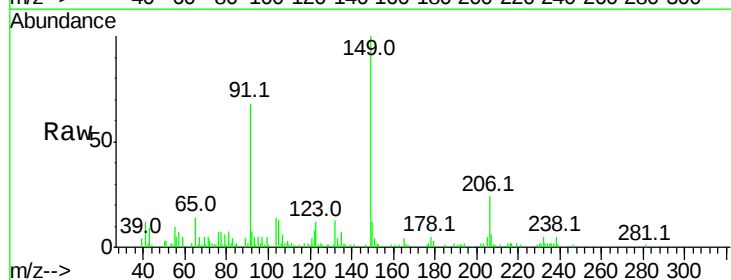
Instrument :
 BNA_F
 ClientSampleId :

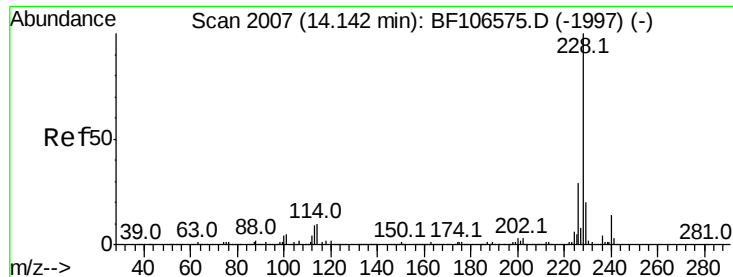
Tot Ion:244 Resp: 284978
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.4 8.0
 122 7.9 11.0 16.4#



#79
 Butylbenzylphthalate
 Concen: 6.689 ng
 RT: 13.54 min Scan# 1905
 Delta R.T. -0.01 min
 Lab File: BF107091.D
 Acq: 3 Jul 2018 19:24

Tgt Ion:149 Resp: 26897
 Ion Ratio Lower Upper
 149 100
 91 68.3 56.8 85.2
 206 23.5 14.1 21.1#

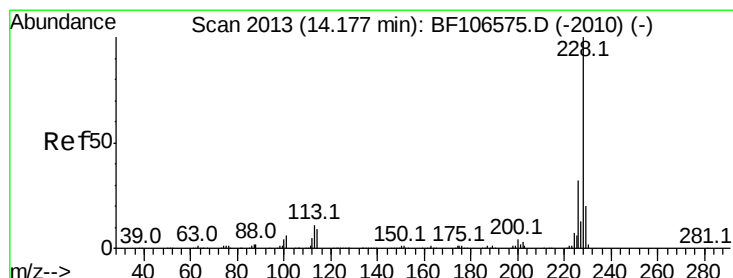
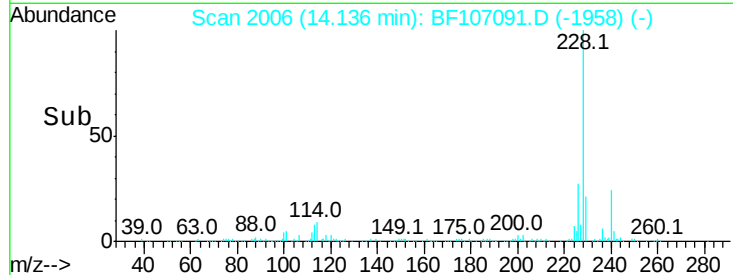
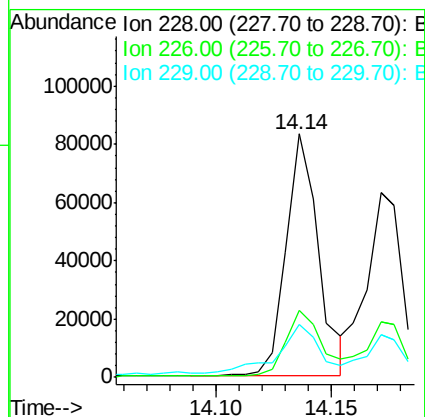
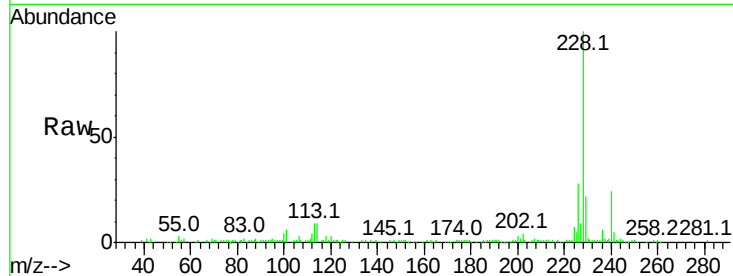




#80
Benzo(a)anthracene
Concen: 8.860 ng
RT: 14.14 min Scan# 2006
Delta R.T. -0.02 min
Lab File: BF107091.D
Acq: 3 Jul 2018 19:24

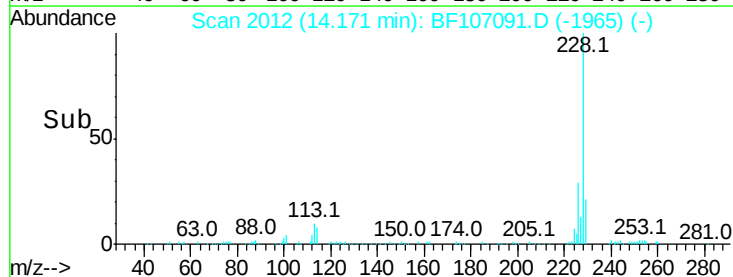
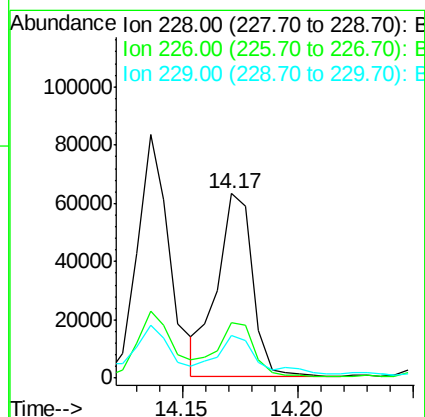
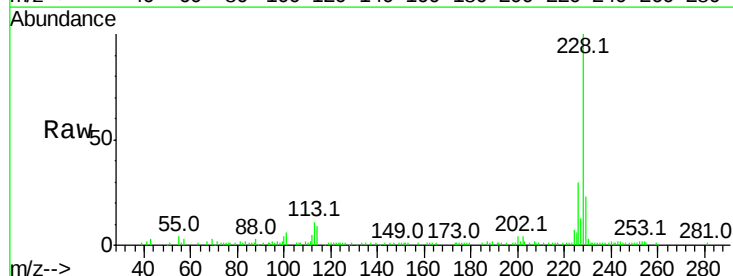
Instrument :
BNA_F
ClientSampleId :

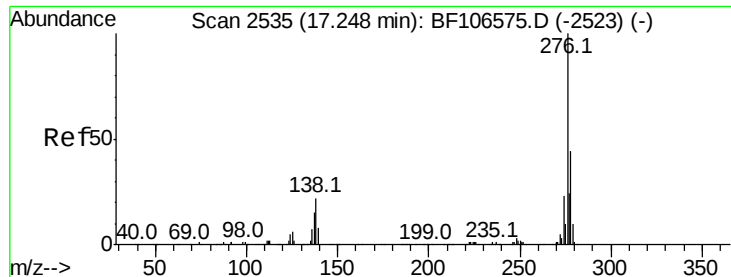
Tot Ion:228 Resp: 80094
Ion Ratio Lower Upper
228 100
226 27.5 22.6 33.8
229 21.8 15.8 23.6



#82
Chrysene
Concen: 8.037 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.02 min
Lab File: BF107091.D
Acq: 3 Jul 2018 19:24

Tgt Ion:228 Resp: 66837
Ion Ratio Lower Upper
228 100
226 30.1 25.0 37.6
229 23.4 16.2 24.4

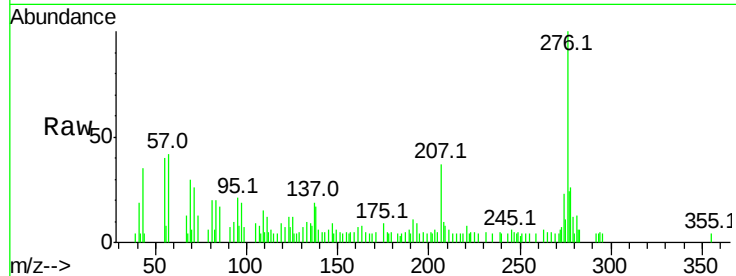




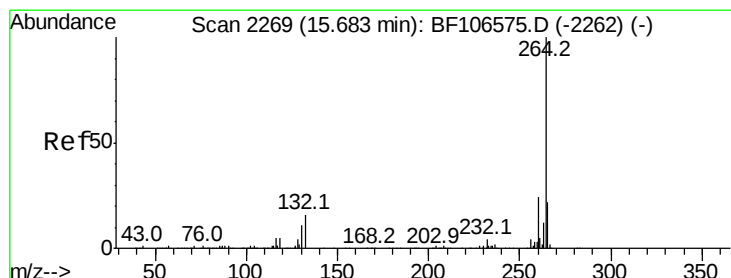
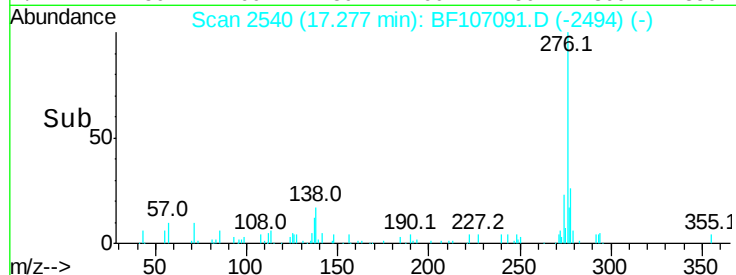
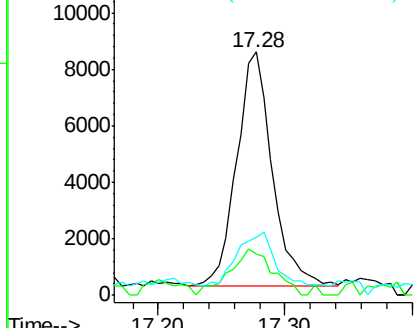
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.298 ng
 RT: 17.28 min Scan# 2540
 Delta R.T. -0.03 min
 Lab File: BF107091.D
 Acq: 3 Jul 2018 19:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 16217
 Ion Ratio Lower Upper
 276 100
 138 23.8 25.0 37.6#
 277 24.5 20.1 30.1

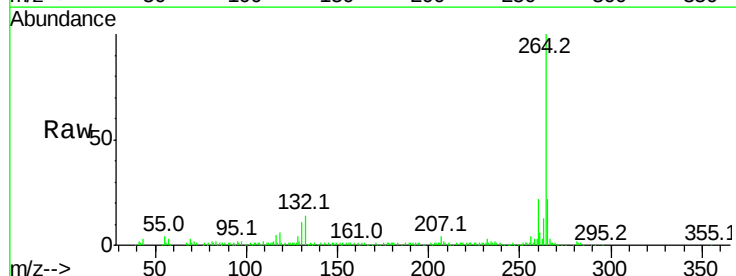


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

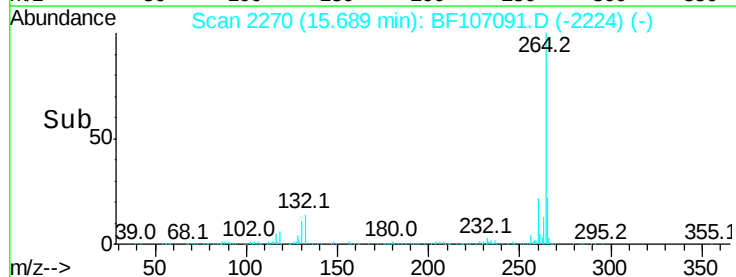
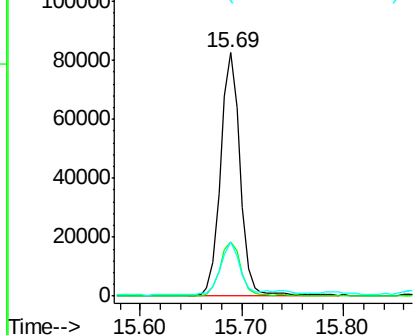


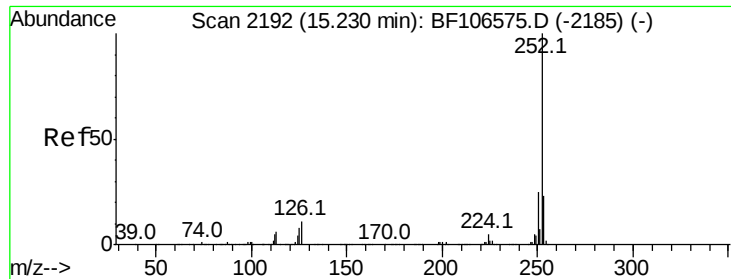
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2270
 Delta R.T. -0.03 min
 Lab File: BF107091.D
 Acq: 3 Jul 2018 19:24

Tgt Ion:264 Resp: 111520
 Ion Ratio Lower Upper
 264 100
 260 22.0 19.2 28.8
 265 22.4 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 9.440 ng

RT: 15.23 min Scan# 2192

Delta R.T. -0.03 min

Lab File: BF107091.D

Acq: 3 Jul 2018 19:24

Instrument :

BNA_F

ClientSampleId :

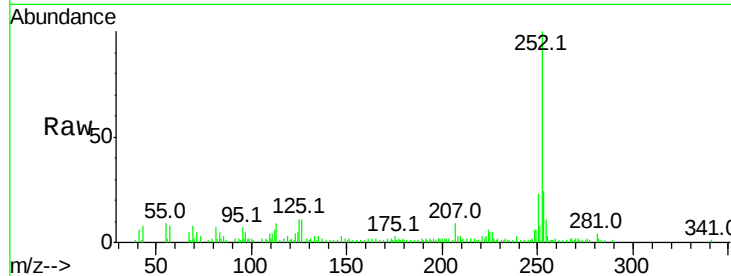
Tot Ion:252 Resp: 65397

Ion Ratio Lower Upper

252 100

253 23.7 17.0 25.6

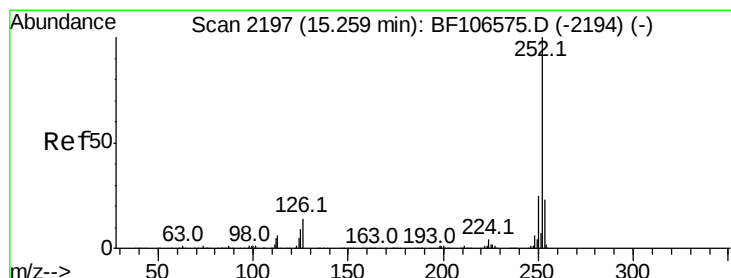
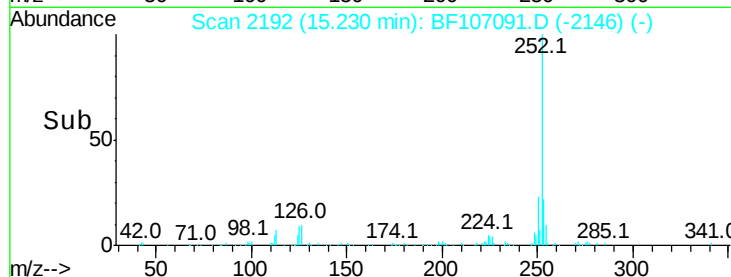
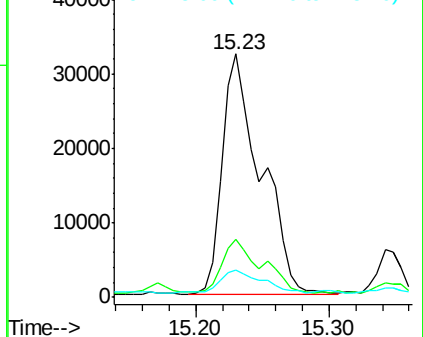
125 11.2 9.0 13.6



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: 9.913 ng

RT: 15.23 min Scan# 2192

Delta R.T. -0.06 min

Lab File: BF107091.D

Acq: 3 Jul 2018 19:24

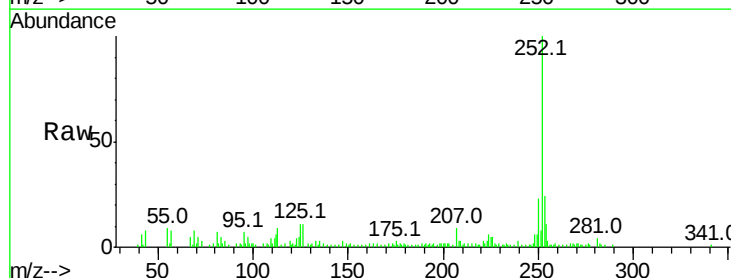
Tgt Ion:252 Resp: 65397

Ion Ratio Lower Upper

252 100

253 23.7 17.9 26.9

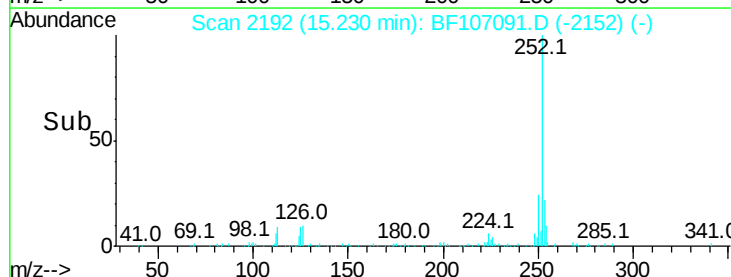
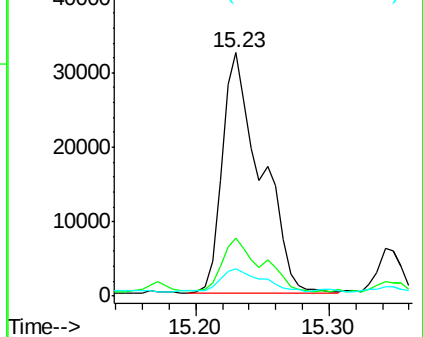
125 11.2 10.2 15.2

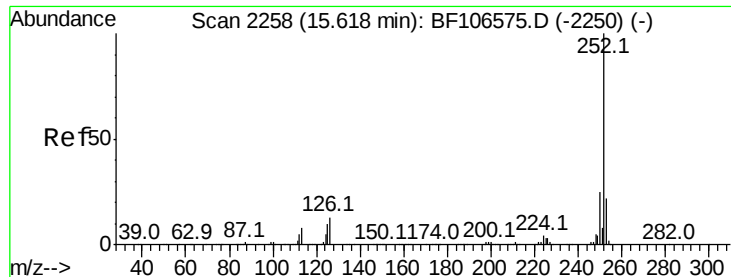


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 5.508 ng

RT: 15.62 min Scan# 2259

Delta R.T. -0.03 min

Lab File: BF107091.D

Acq: 3 Jul 2018 19:24

Instrument :

BNA_F

ClientSampleId :

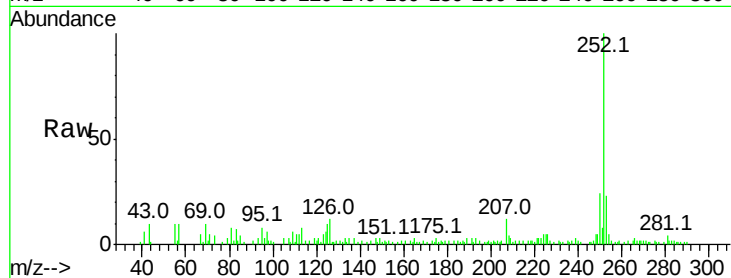
Tot Ion:252 Resp: 33922

Ion Ratio Lower Upper

252 100

253 23.0 17.1 25.7

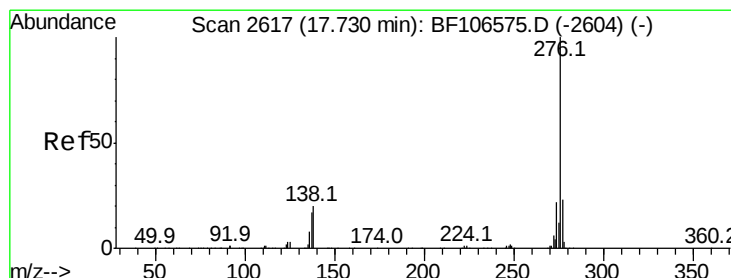
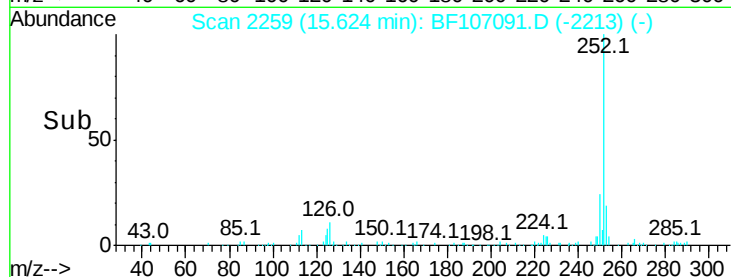
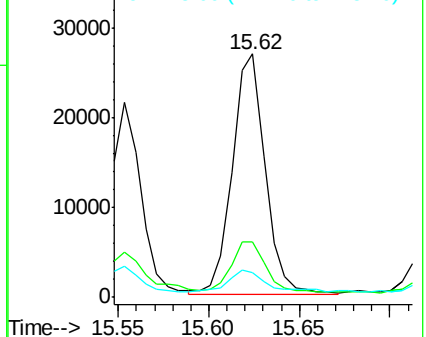
125 10.3 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 3.880 ng

RT: 17.76 min Scan# 2622

Delta R.T. -0.03 min

Lab File: BF107091.D

Acq: 3 Jul 2018 19:24

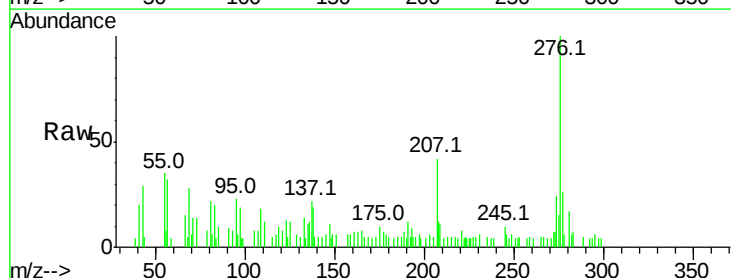
Tgt Ion:276 Resp: 19794

Ion Ratio Lower Upper

276 100

277 26.4 17.9 26.9

138 18.6 21.8 32.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

