

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070218\
 Data File : BF107046.D
 Acq On : 2 Jul 2018 16:04
 Operator : JU/SJ
 Sample : J3629-06
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A0C10-01

Quant Time: Jul 02 17:24:31 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

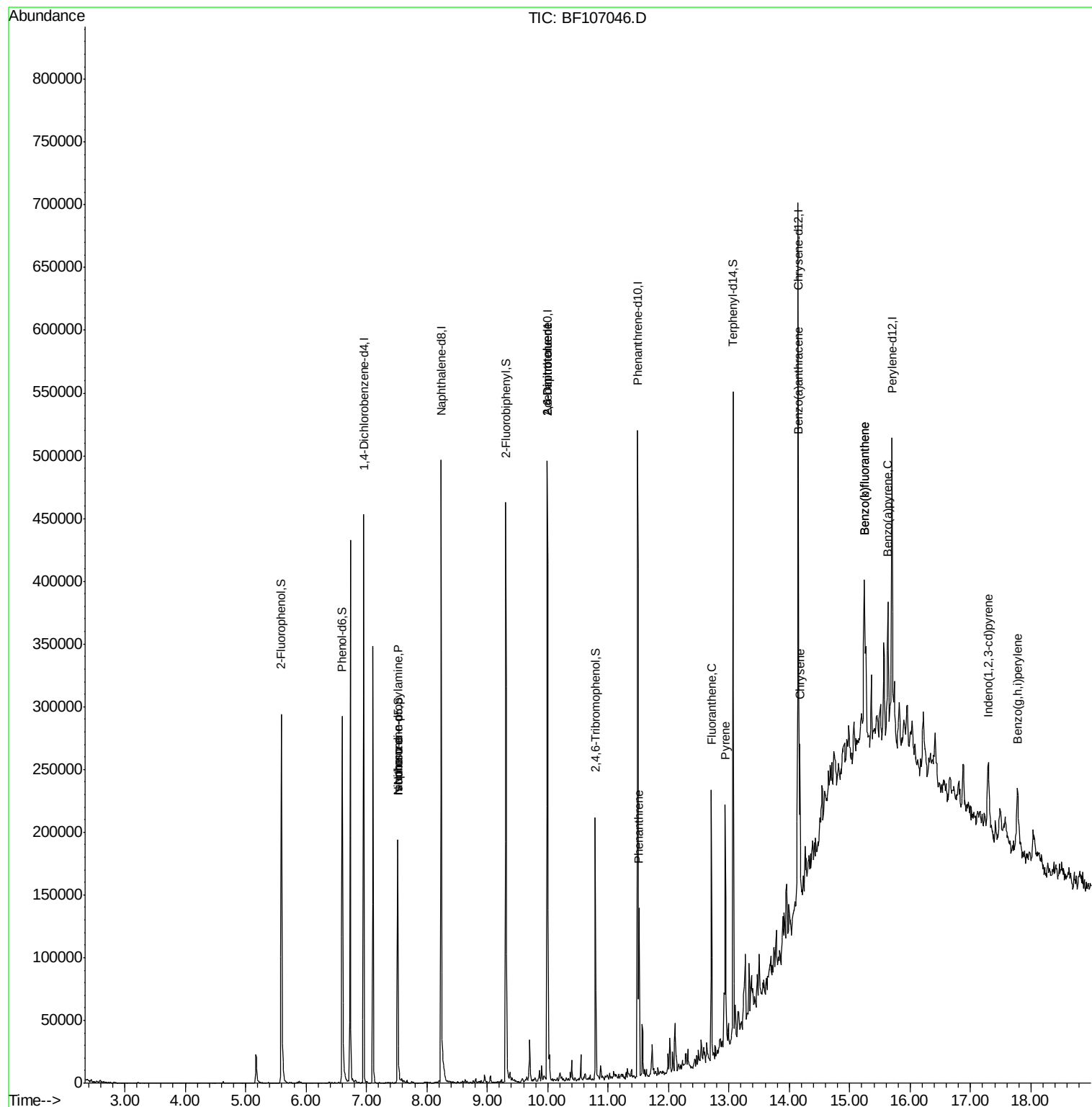
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	63797	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	241978	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	110055	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	198503	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	186061	20.00	ng	-0.02
86) Perylene-d12	15.70	264	132506	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	103021	27.34	ng	-0.01
7) Phenol-d6	6.60	99	123768	26.31	ng	-0.02
23) Nitrobenzene-d5	7.52	82	73941	16.98	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	31038	24.33	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	156164	11.21	ng	-0.02
78) Terphenyl-d14	13.07	244	167858	21.85	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.52	70	9568	3.085	ng	# 70
25) Isophorone	7.52	82	73940	9.637	ng	# 64
50) 2,6-Dinitrotoluene	10.00	165	14029	8.026	ng	# 24
56) 2,4-Dinitrotoluene	10.00	165	14029	6.149	ng	# 21
70) Phenanthrene	11.51	178	49921	5.214	ng	99
74) Fluoranthene	12.71	202	92425	8.758	ng	95
77) Pyrene	12.94	202	78877	6.429	ng	99
80) Benzo(a)anthracene	14.14	228	57208	5.045	ng	96
82) Chrysene	14.18	228	57603	5.521	ng	95
85) Indeno(1,2,3-cd)pyrene	17.29	276	36556	4.129	ng	# 87
87) Benzo(b)fluoranthene	15.24	252	106510	12.940	ng	# 92
88) Benzo(k)fluoranthene	15.24	252	106510	13.588	ng	# 92
89) Benzo(a)pyrene	15.64	252	59273	8.100	ng	95
91) Benzo(g,h,i)perylene	17.78	276	38928	6.422	ng	# 88

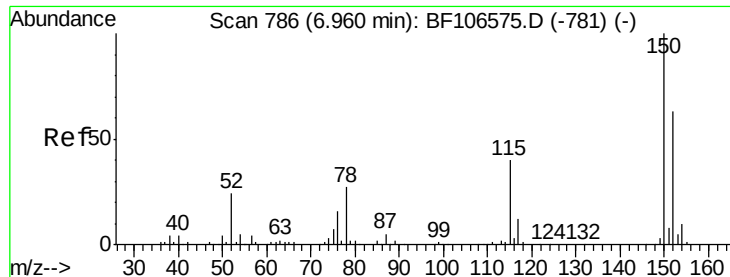
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070218\
Data File : BF107046.D
Acq On : 2 Jul 2018 16:04
Operator : JU/SJ
Sample : J3629-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
A0C10-01

Quant Time: Jul 02 17:24:31 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



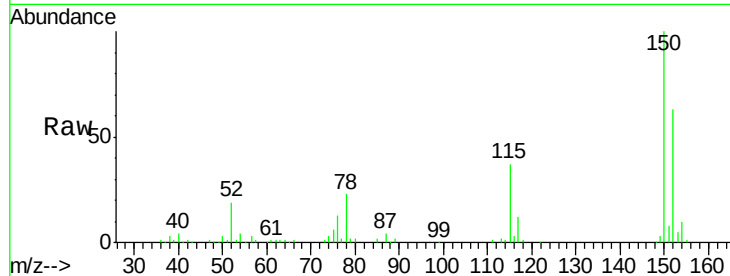


#1

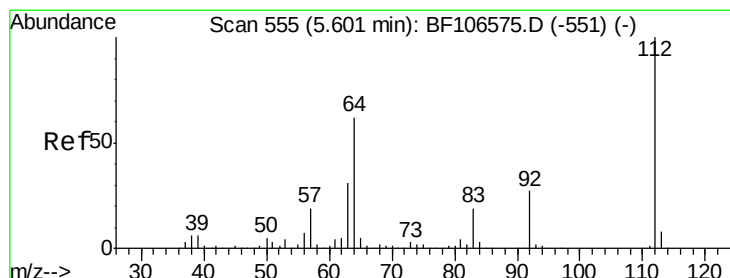
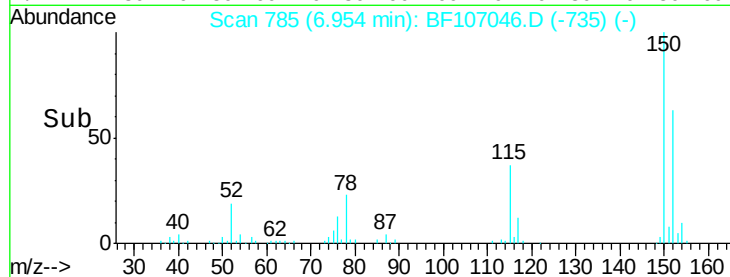
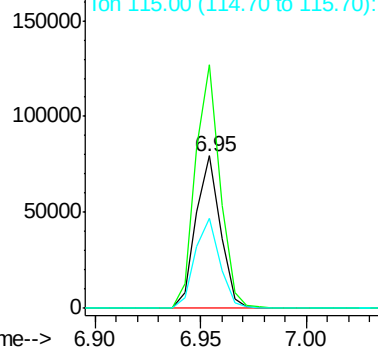
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF107046.D
Acq: 2 Jul 2018 16:04

Instrument :
BNA_F
ClientSampleId :
A0C10-01

Tgt Ion:152 Resp: 63797
Ion Ratio Lower Upper
152 100
150 160.0 124.6 186.8
115 59.3 50.1 75.1



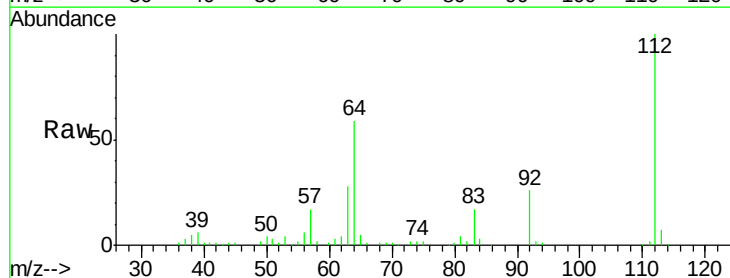
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



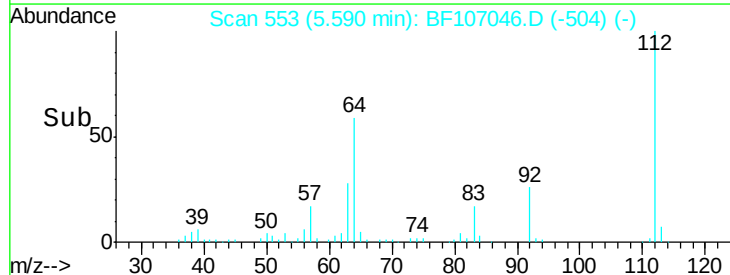
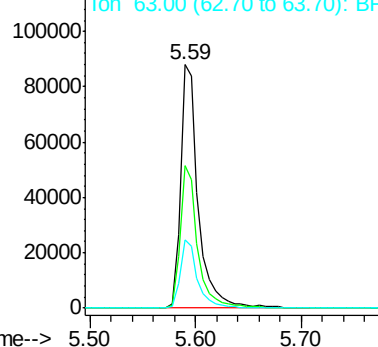
#5

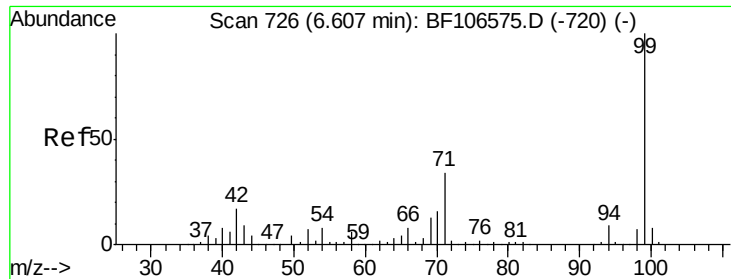
2-Fluorophenol
Concen: 27.344 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF107046.D
Acq: 2 Jul 2018 16:04

Tgt Ion:112 Resp: 103021
Ion Ratio Lower Upper
112 100
64 58.6 47.9 71.9
63 28.1 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: 26.306 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107046.D

Acq: 2 Jul 2018 16:04

Instrument :

BNA_F

ClientSampleId :

A0C10-01

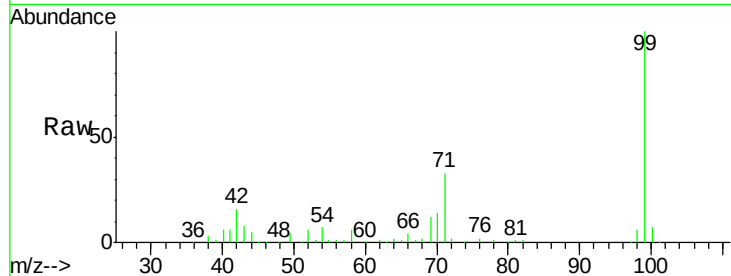
Tgt Ion: 99 Resp: 123768

Ion Ratio Lower Upper

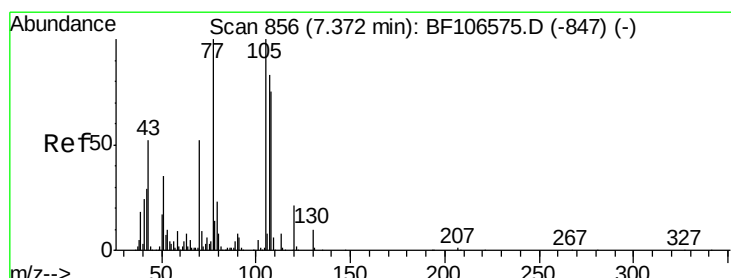
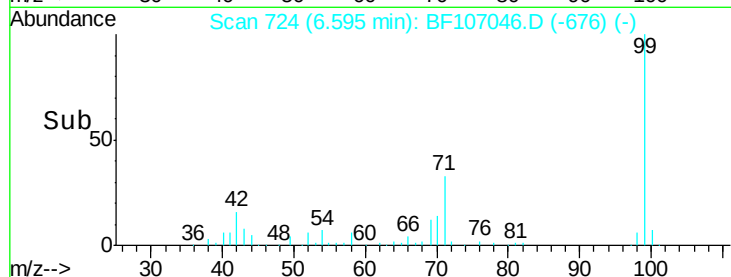
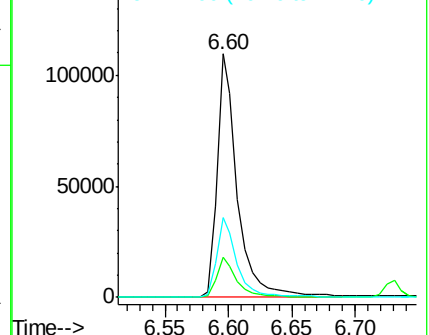
99 100

42 16.3 14.5 21.7

71 33.0 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: 3.085 ng

RT: 7.52 min Scan# 881

Delta R.T. 0.14 min

Lab File: BF107046.D

Acq: 2 Jul 2018 16:04

Tgt Ion: 70 Resp: 9568

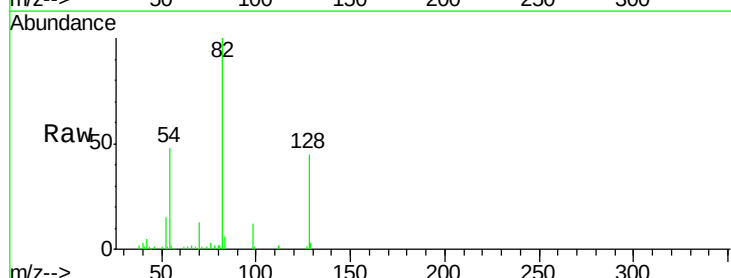
Ion Ratio Lower Upper

70 100

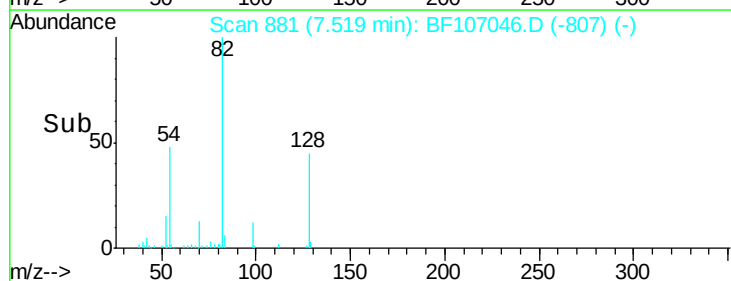
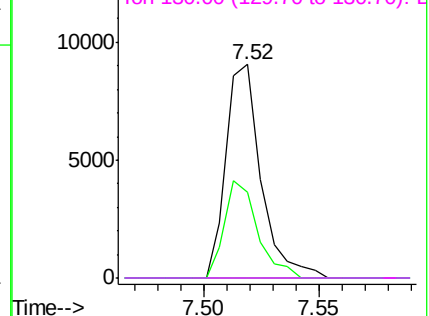
42 40.1 47.5 71.3#

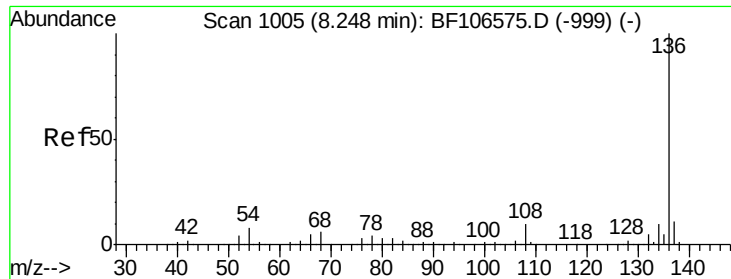
101 0.0 7.4 11.2#

130 0.0 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

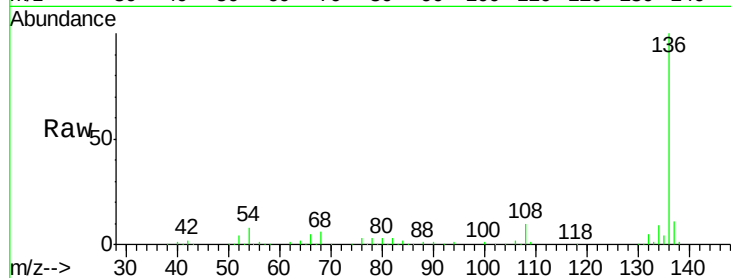




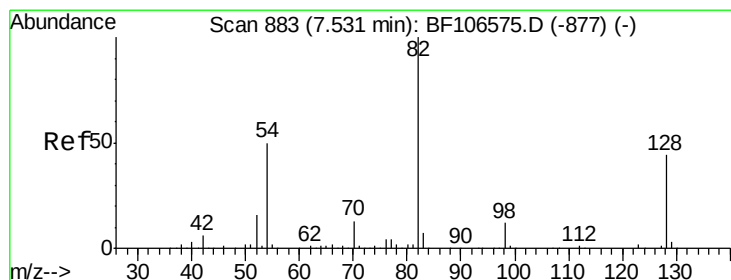
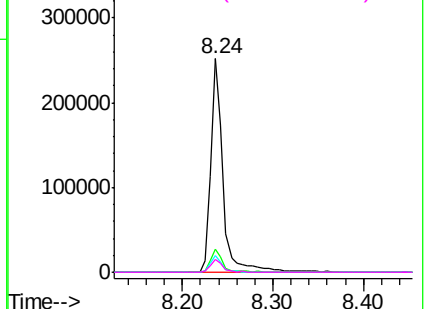
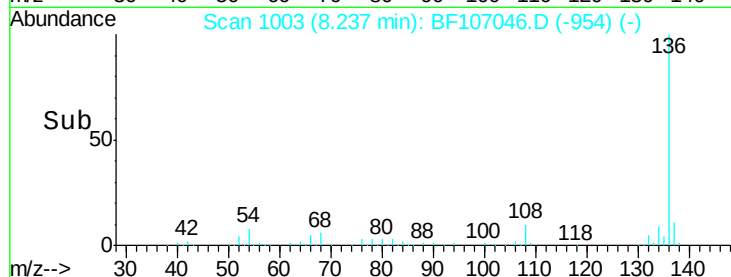
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF107046.D
Acq: 2 Jul 2018 16:04

Instrument :
BNA_F
ClientSampleId :
A0C10-01

Tgt Ion: 136 Resp: 241978
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 7.9 6.6 9.8
68 6.0 5.0 7.4

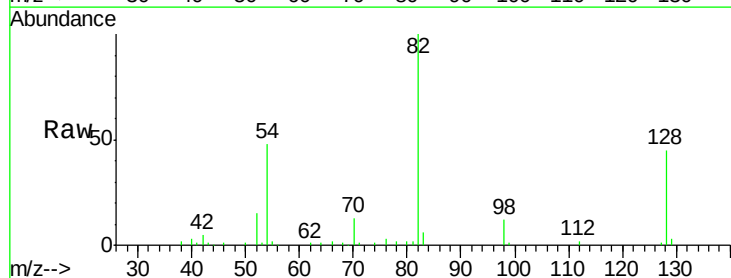


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

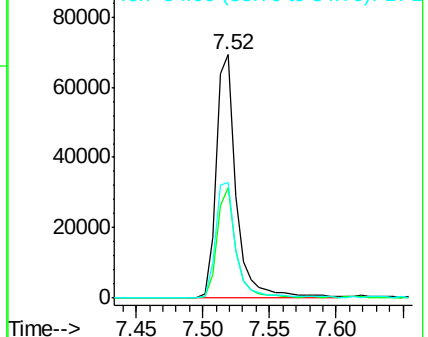
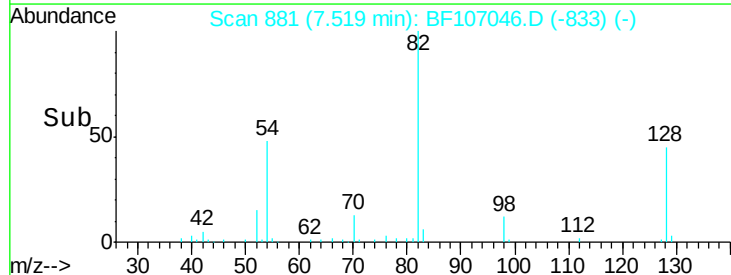


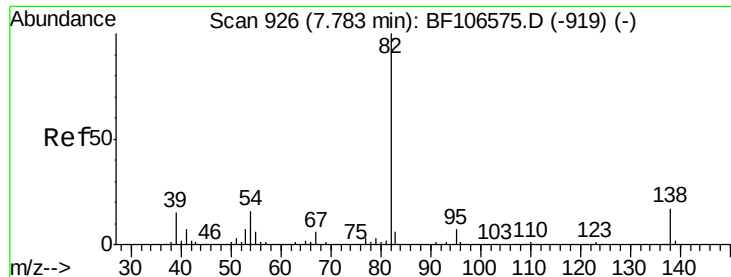
#23
Nitrobenzene-d5
Concen: 16.982 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF107046.D
Acq: 2 Jul 2018 16:04

Tgt Ion: 82 Resp: 73941
Ion Ratio Lower Upper
82 100
128 45.2 36.1 54.1
54 47.5 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: 9.637 ng

RT: 7.52 min Scan# 881

Delta R.T. -0.27 min

Lab File: BF107046.D

Acq: 2 Jul 2018 16:04

Instrument :

BNA_F

ClientSampleId :

A0C10-01

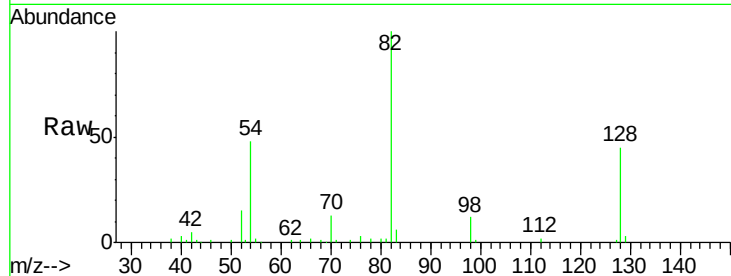
Tgt Ion: 82 Resp: 73940

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

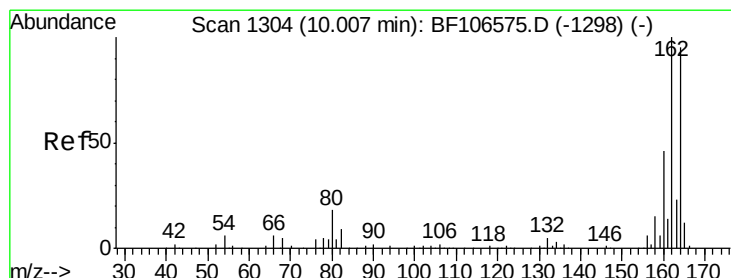
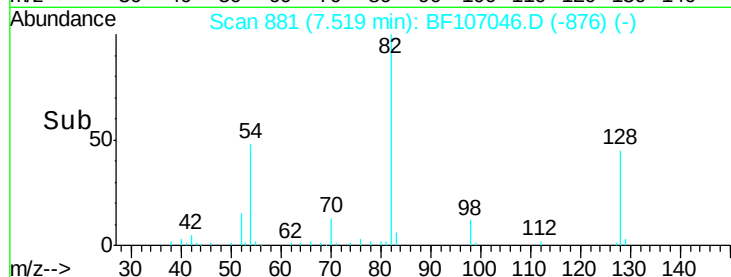
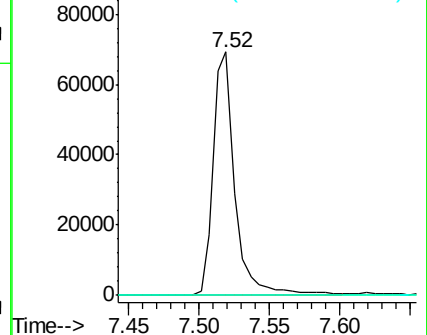
138 0.0 14.9 22.3#



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: 10.00 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF107046.D

Acq: 2 Jul 2018 16:04

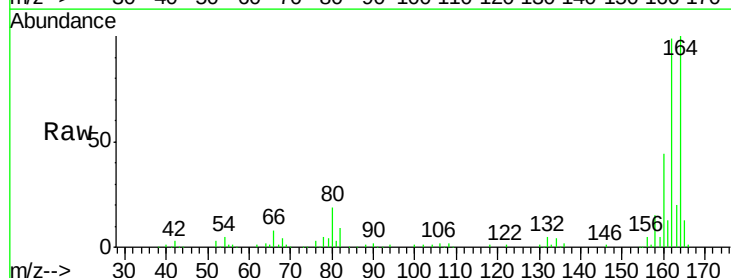
Tgt Ion: 164 Resp: 110055

Ion Ratio Lower Upper

164 100

162 98.7 86.1 129.1

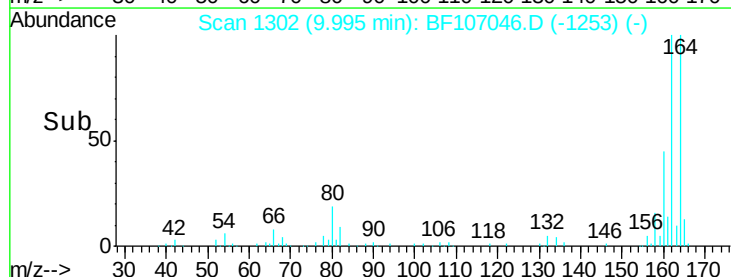
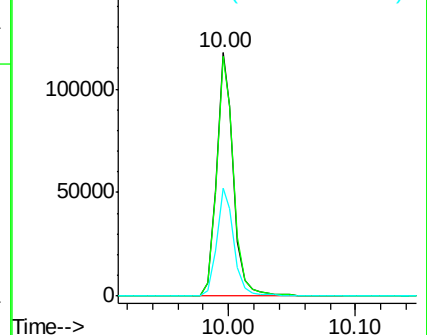
160 44.1 38.3 57.5

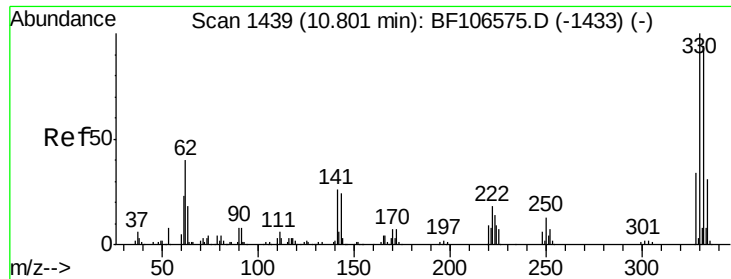


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

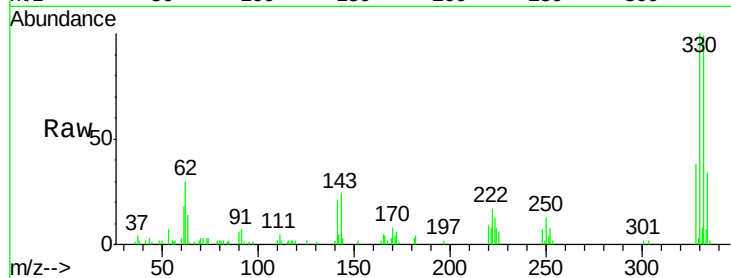




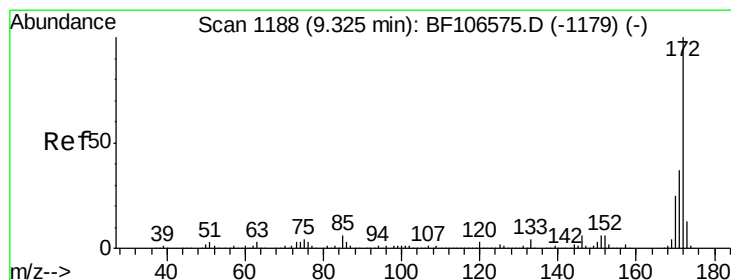
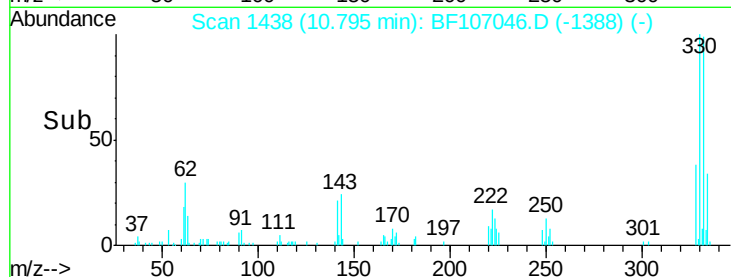
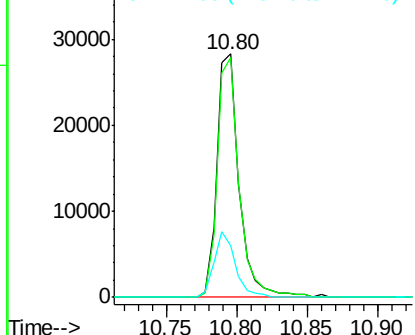
#41
 2,4,6-Tribromophenol
 Concen: 24.333 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF107046.D
 Acq: 2 Jul 2018 16:04

Instrument :
 BNA_F
 ClientSampleId :
 A0C10-01

Tgt Ion:330 Resp: 31038
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.0 115.6
 141 25.5 29.9 44.9#

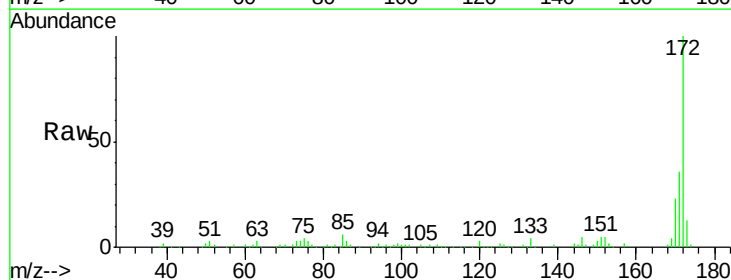


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

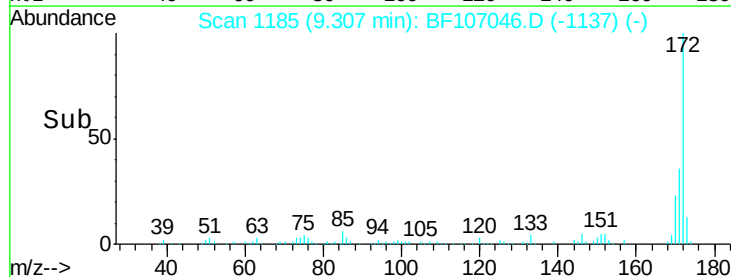
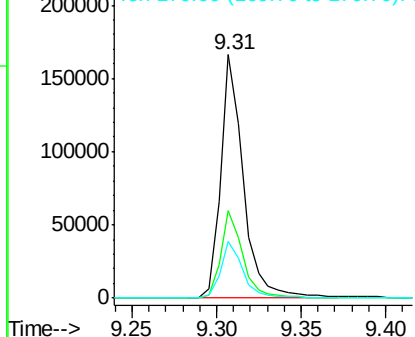


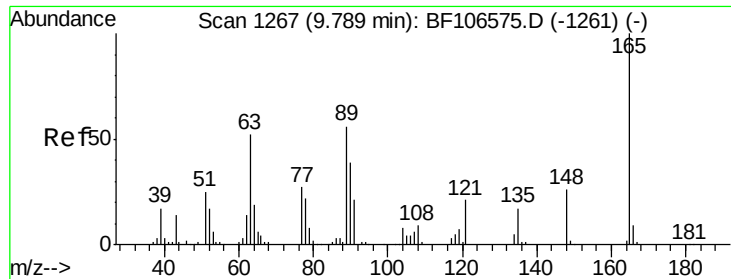
#44
 2-Fluorobiphenyl
 Concen: 11.212 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF107046.D
 Acq: 2 Jul 2018 16:04

Tgt Ion:172 Resp: 156164
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.7 44.5
 170 23.1 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

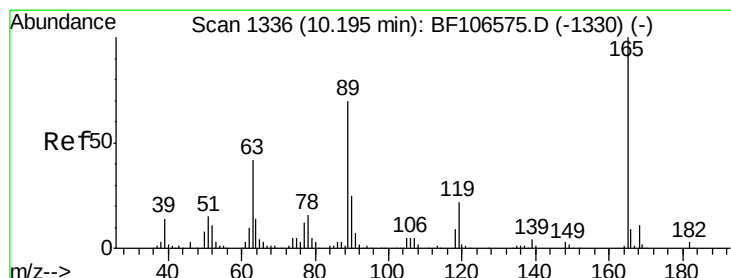
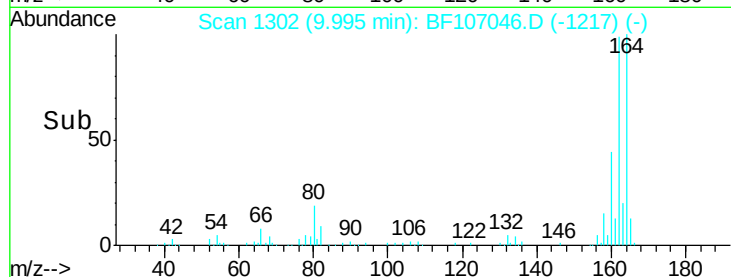
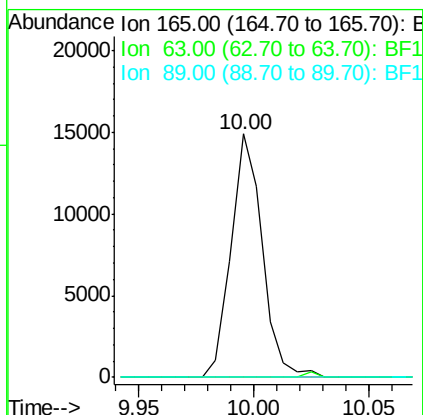
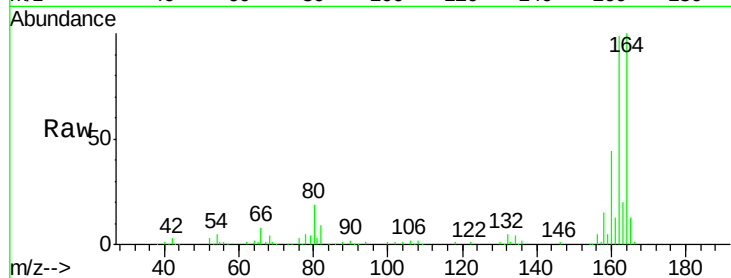




#50
 2,6-Dinitrotoluene
 Concen: 8.026 ng
 RT: 10.00 min Scan# 1302
 Delta R.T. 0.20 min
 Lab File: BF107046.D
 Acq: 2 Jul 2018 16:04

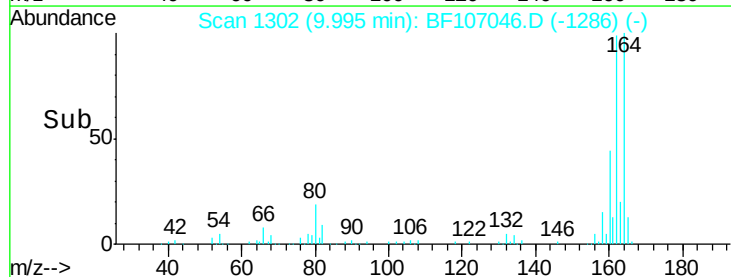
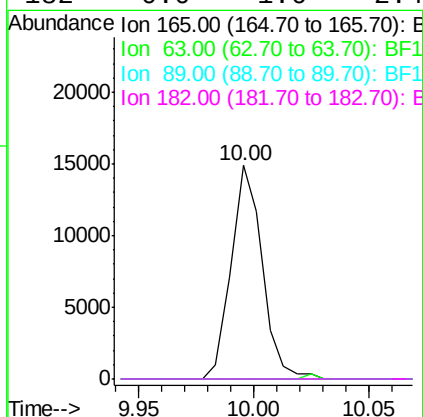
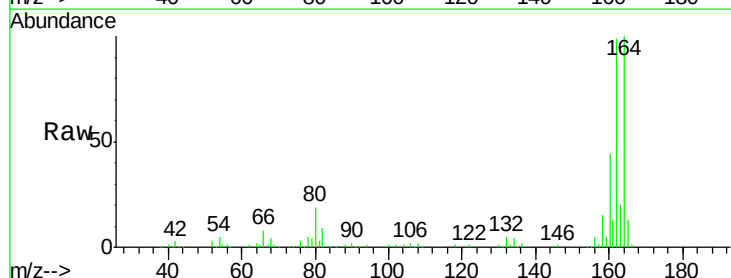
Instrument :
 BNA_F
 ClientSampleId :
 A0C10-01

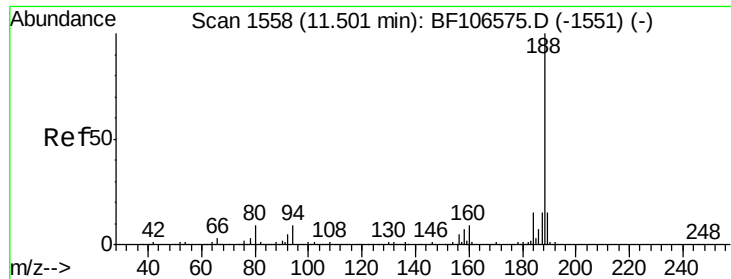
Tgt Ion:165 Resp: 14029
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 0.0 44.0 66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.149 ng
 RT: 10.00 min Scan# 1302
 Delta R.T. -0.21 min
 Lab File: BF107046.D
 Acq: 2 Jul 2018 16:04

Tgt Ion:165 Resp: 14029
 Ion Ratio Lower Upper
 165 100
 63 0.0 36.4 54.6#
 89 0.0 57.8 86.6#
 182 0.0 1.6 2.4#

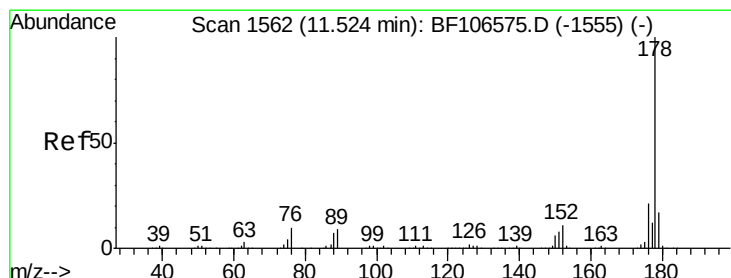
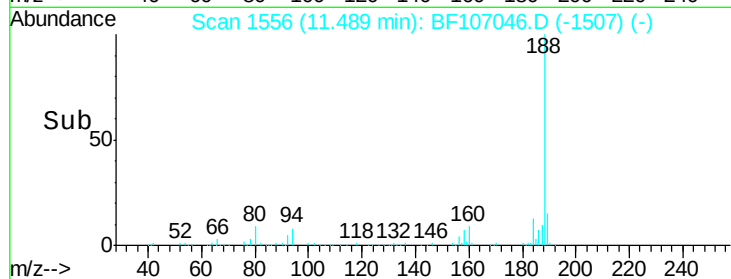
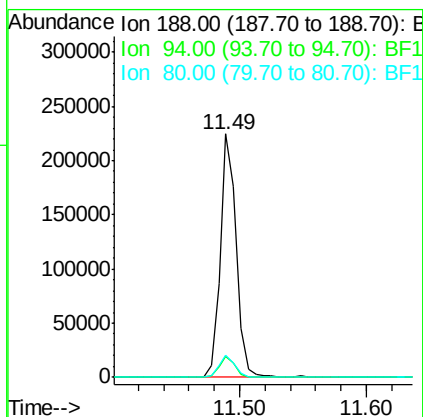
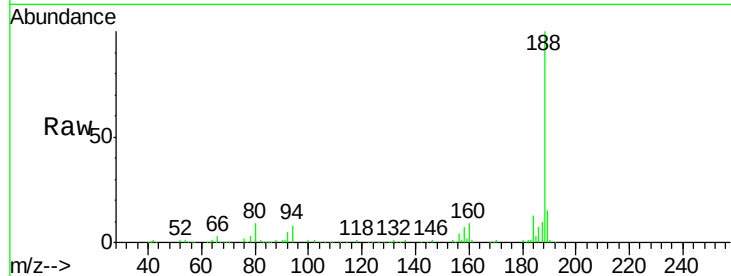




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF107046.D
Acq: 2 Jul 2018 16:04

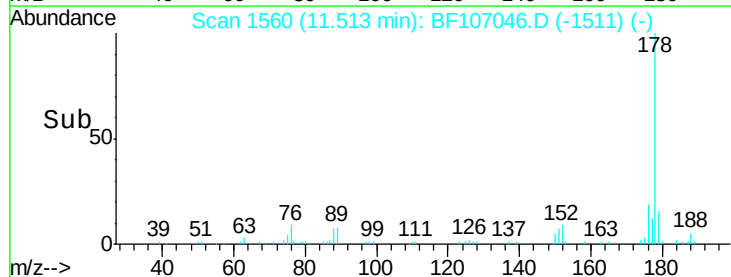
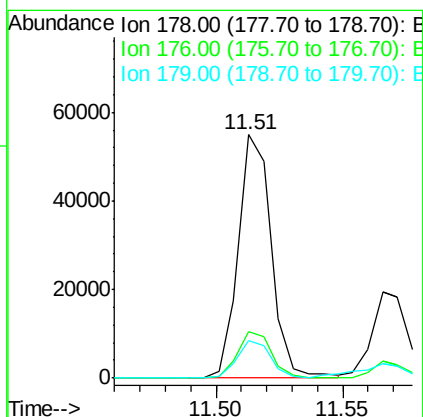
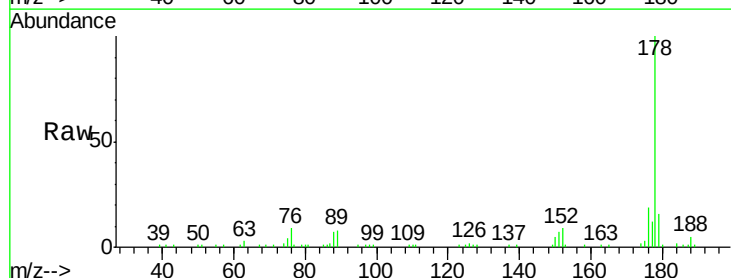
Instrument :
BNA_F
ClientSampleId :
A0C10-01

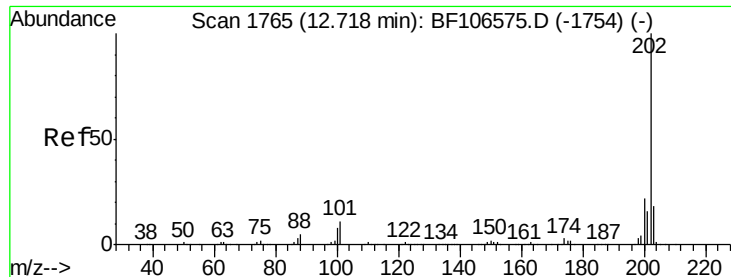
Tgt Ion:188 Resp: 198503
Ion Ratio Lower Upper
188 100
94 8.4 8.5 12.7#
80 9.3 9.2 13.8



#70
Phenanthrene
Concen: 5.214 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF107046.D
Acq: 2 Jul 2018 16:04

Tgt Ion:178 Resp: 49921
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 15.6 13.0 19.6





#74

Fluoranthene

Concen: 8.758 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF107046.D

Acq: 2 Jul 2018 16:04

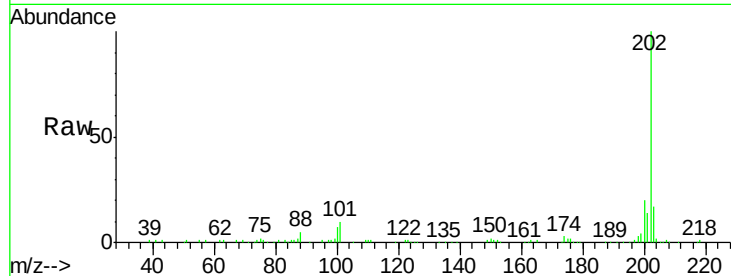
Instrument :

BNA_F

ClientSampleId :

A0C10-01

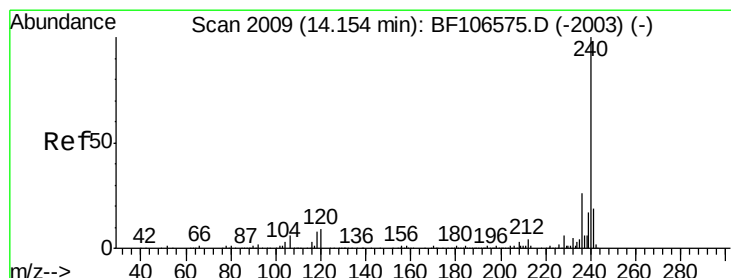
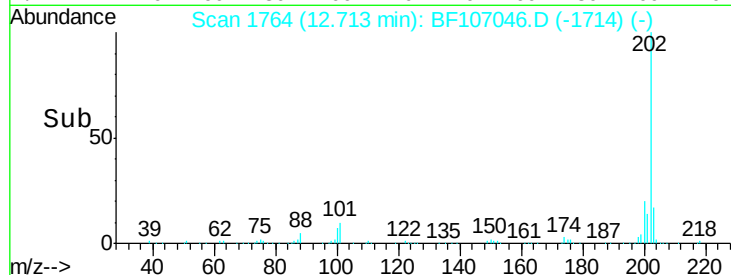
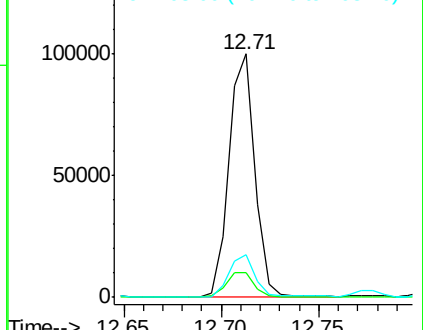
Tgt Ion:	202	Resp:	92425
Ion Ratio	Lower	Upper	
202	100		
101	10.2	0.0	34.1
203	17.3	0.0	38.1



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

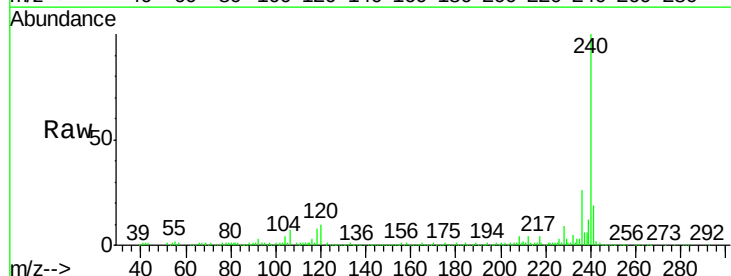
RT: 14.15 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BF107046.D

Acq: 2 Jul 2018 16:04

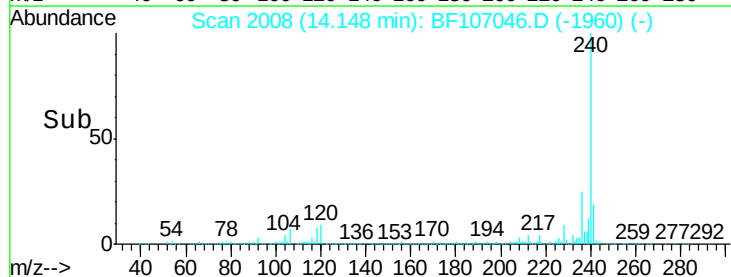
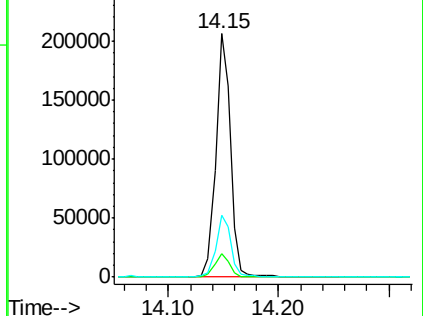
Tgt Ion:	240	Resp:	186061
Ion Ratio	Lower	Upper	
240	100		
120	9.5	9.5	14.3#
236	25.6	20.7	31.1

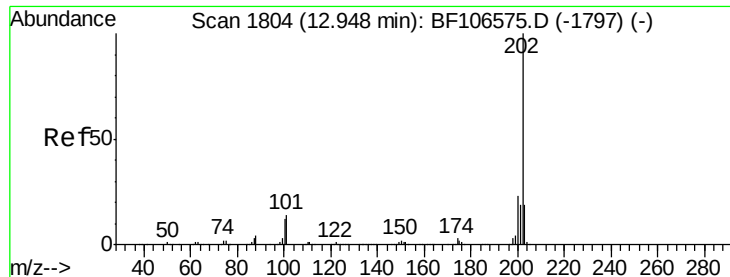


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 6.429 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF107046.D

Acq: 2 Jul 2018 16:04

Instrument :

BNA_F

ClientSampleId :

A0C10-01

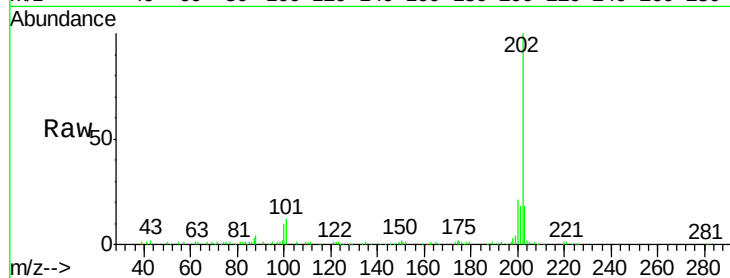
Tgt Ion:202 Resp: 78877

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

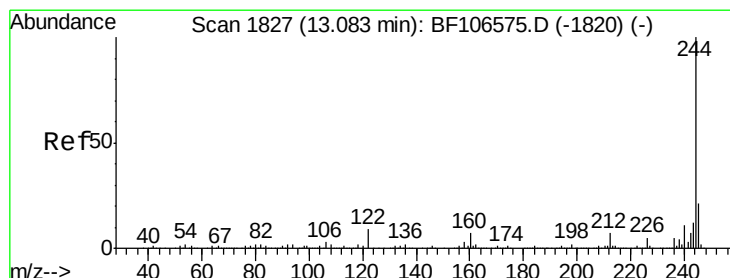
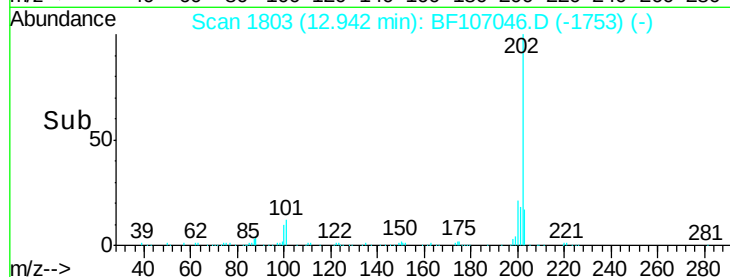
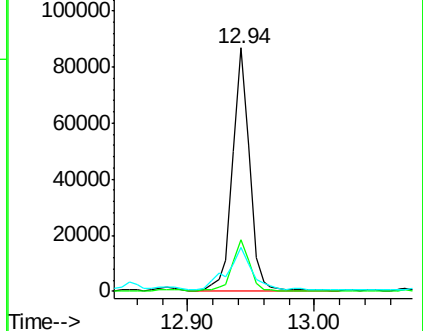
203 18.1 14.3 21.5



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: 21.853 ng

RT: 13.07 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF107046.D

Acq: 2 Jul 2018 16:04

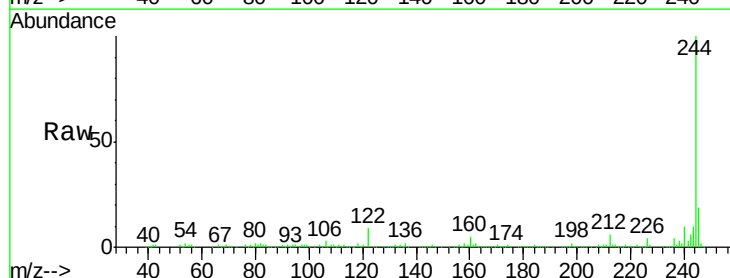
Tgt Ion:244 Resp: 167858

Ion Ratio Lower Upper

244 100

212 6.0 5.4 8.0

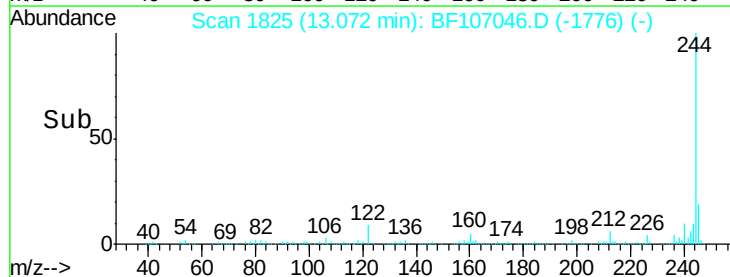
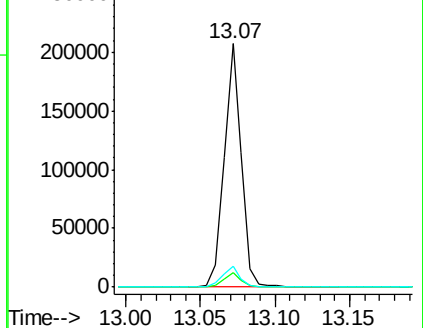
122 8.6 11.0 16.4#

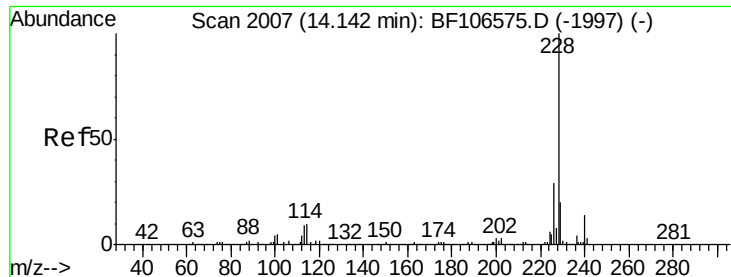


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 5.045 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.02 min

Lab File: BF107046.D

Acq: 2 Jul 2018 16:04

Instrument :

BNA_F

ClientSampleId :

A0C10-01

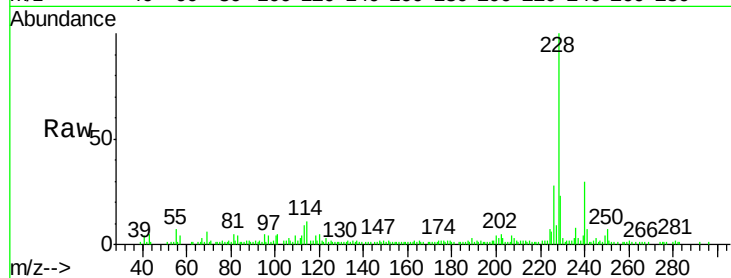
Tgt Ion:228 Resp: 57208

Ion Ratio Lower Upper

228 100

226 28.4 22.6 33.8

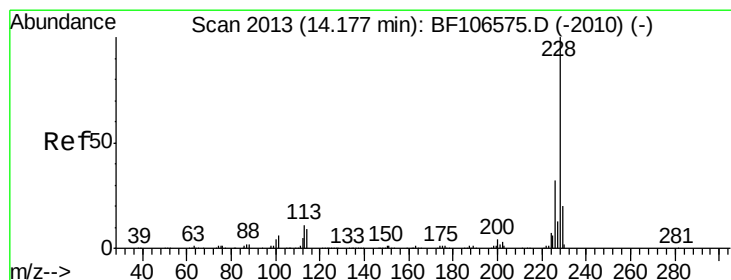
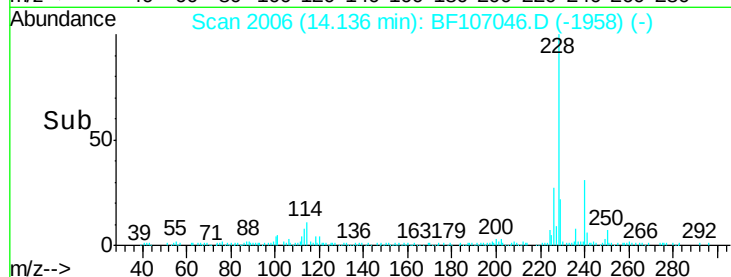
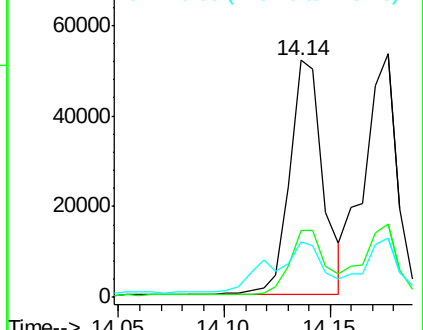
229 23.4 15.8 23.6



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: 5.521 ng

RT: 14.18 min Scan# 2013

Delta R.T. -0.02 min

Lab File: BF107046.D

Acq: 2 Jul 2018 16:04

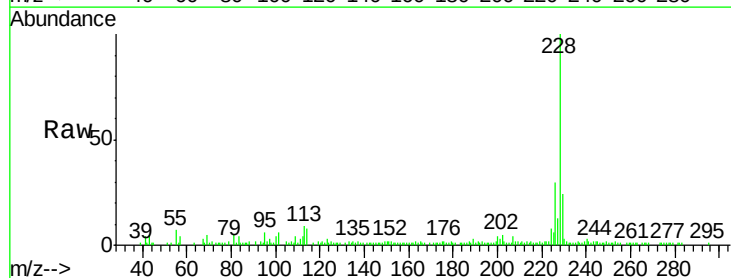
Tgt Ion:228 Resp: 57603

Ion Ratio Lower Upper

228 100

226 30.2 25.0 37.6

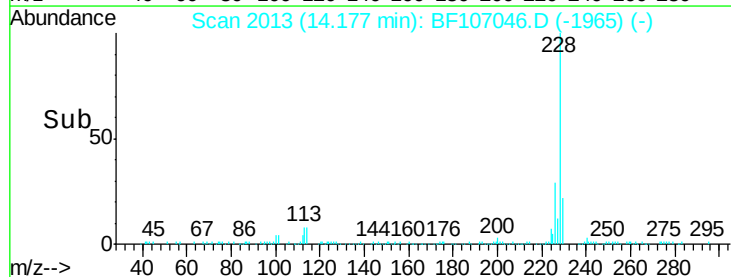
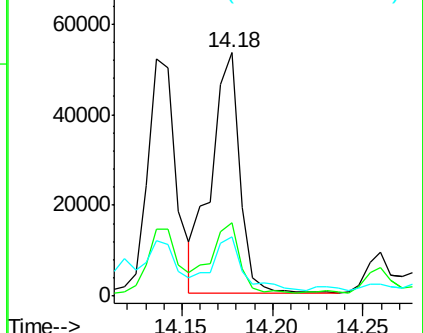
229 24.3 16.2 24.4

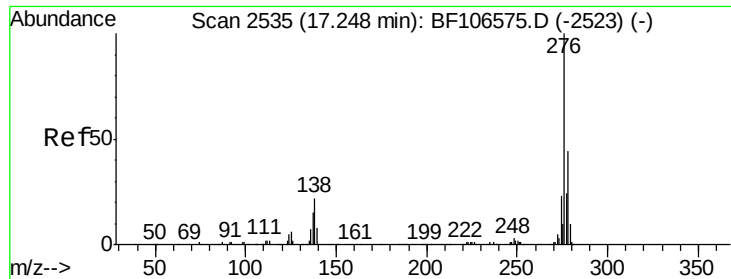


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

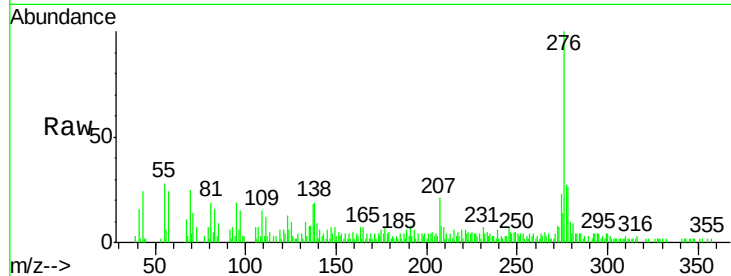




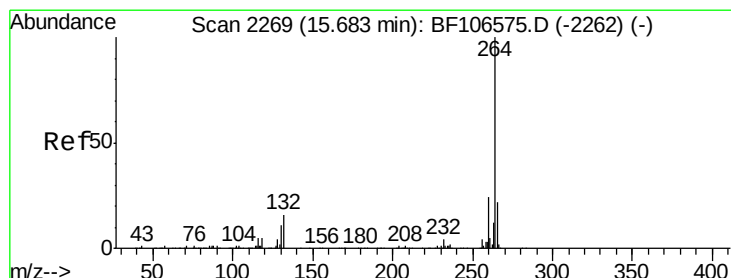
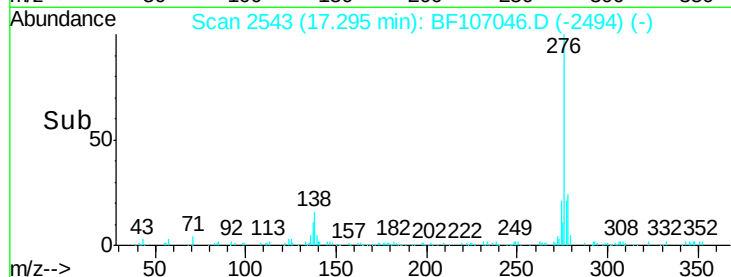
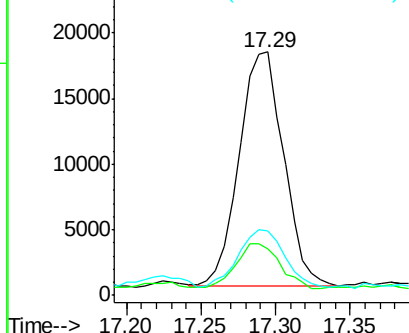
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.129 ng
 RT: 17.29 min Scan# 2543
 Delta R.T. -0.01 min
 Lab File: BF107046.D
 Acq: 2 Jul 2018 16:04

Instrument :
 BNA_F
 ClientSampleId :
 A0C10-01

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.8	25.0	37.6#
277	25.6	20.1	30.1

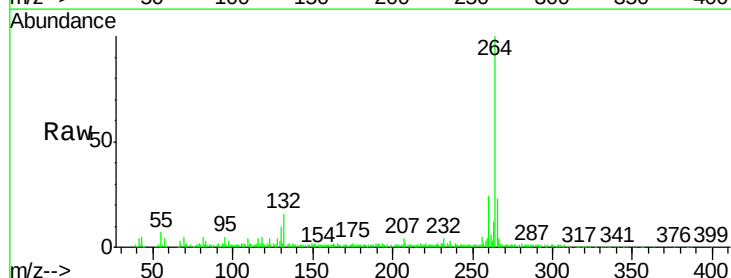


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

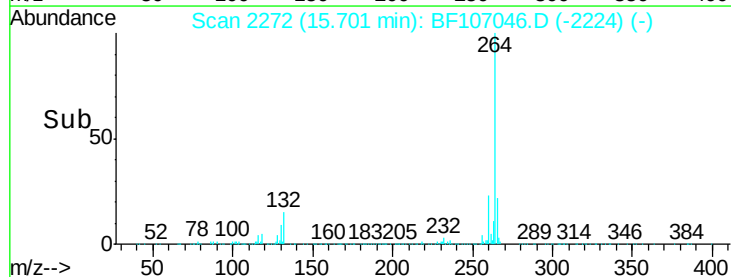
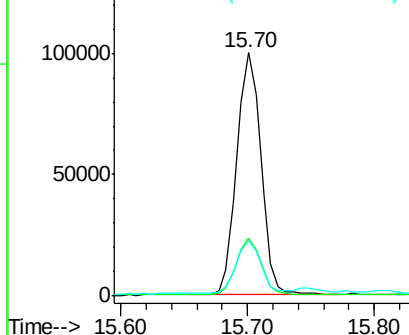


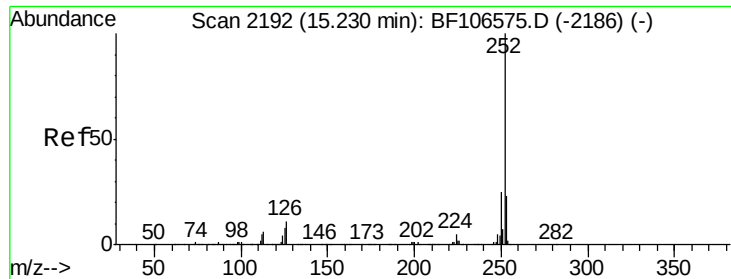
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.70 min Scan# 2272
 Delta R.T. -0.02 min
 Lab File: BF107046.D
 Acq: 2 Jul 2018 16:04

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.7	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: 12.940 ng

RT: 15.24 min Scan# 2194

Delta R.T. -0.02 min

Lab File: BF107046.D

Acq: 2 Jul 2018 16:04

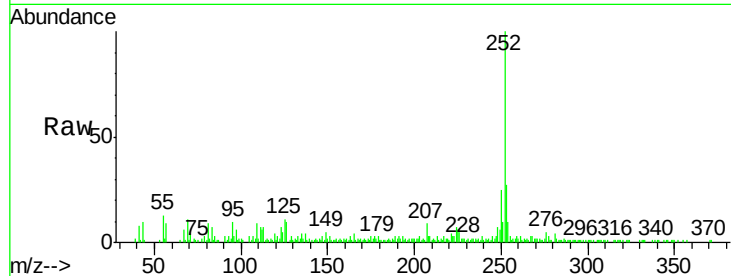
Instrument :

BNA_F

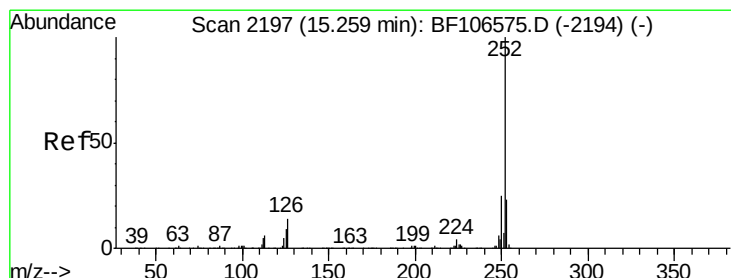
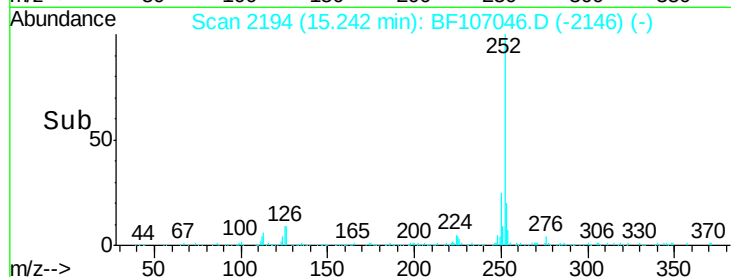
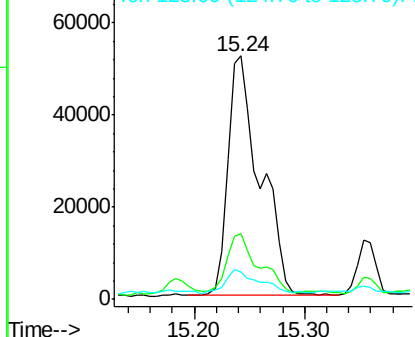
ClientSampleId :

A0C10-01

Tgt Ion:	252	Resp:	106510
Ion Ratio		Lower	Upper
252	100		
253	27.2	17.0	25.6#
125	11.4	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: 13.588 ng

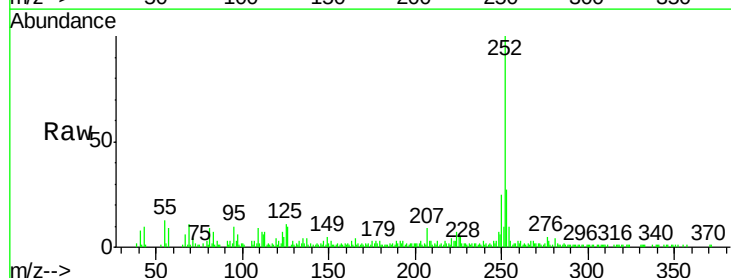
RT: 15.24 min Scan# 2194

Delta R.T. -0.05 min

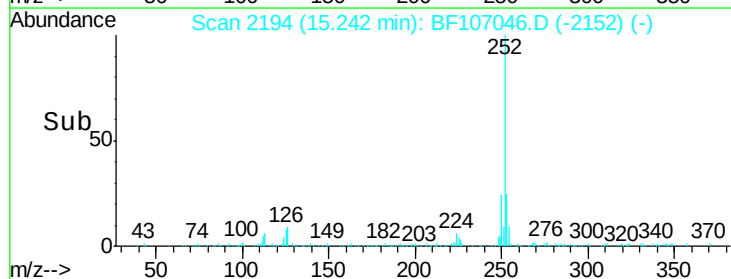
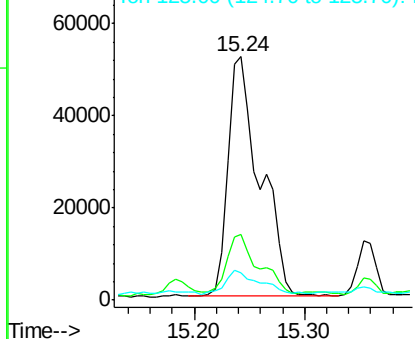
Lab File: BF107046.D

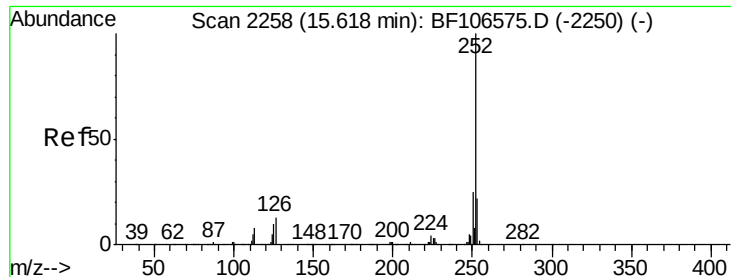
Acq: 2 Jul 2018 16:04

Tgt Ion:	252	Resp:	106510
Ion Ratio		Lower	Upper
252	100		
253	27.2	17.9	26.9#
125	11.4	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: 8.100 ng

RT: 15.64 min Scan# 2261

Delta R.T. -0.02 min

Lab File: BF107046.D

Acq: 2 Jul 2018 16:04

Instrument :

BNA_F

ClientSampleId :

A0C10-01

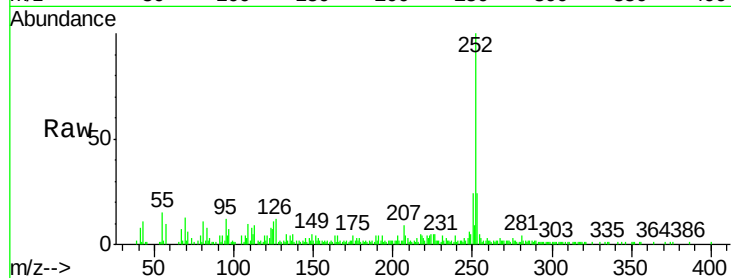
Tgt Ion:252 Resp: 59273

Ion Ratio Lower Upper

252 100

253 24.3 17.1 25.7

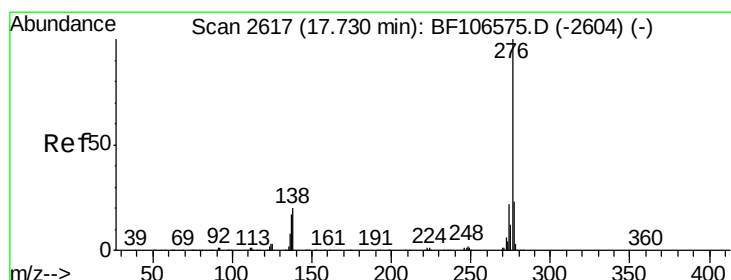
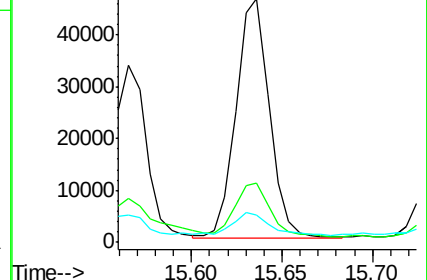
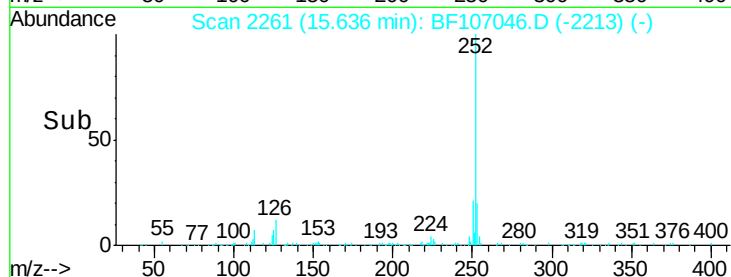
125 11.3 9.8 14.6



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: 6.422 ng

RT: 17.78 min Scan# 2625

Delta R.T. -0.01 min

Lab File: BF107046.D

Acq: 2 Jul 2018 16:04

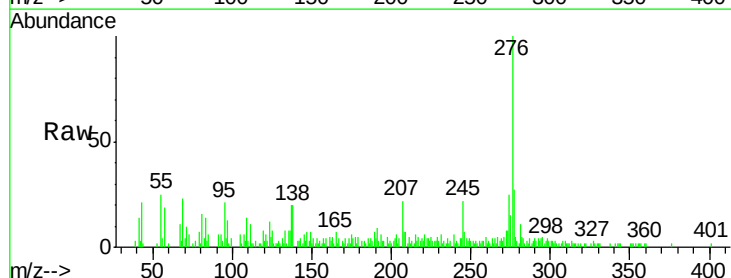
Tgt Ion:276 Resp: 38928

Ion Ratio Lower Upper

276 100

277 26.7 17.9 26.9

138 19.6 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

