

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF063018\
 Data File : BF107026.D
 Acq On : 30 Jun 2018 20:24
 Operator : JU/SJ
 Sample : J3638-02 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 02 04:07:24 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	68734	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	241619	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	105477	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	213039	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	186502	20.00	ng	-0.02
86) Perylene-d12	15.68	264	133715	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	226812	55.88	ng	0.00
7) Phenol-d6	6.60	99	272470	53.75	ng	-0.02
23) Nitrobenzene-d5	7.51	82	150382	34.59	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	71834	58.76	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	310574	42.46	ng	-0.02
78) Terphenyl-d14	13.07	244	393660	51.13	ng	-0.01

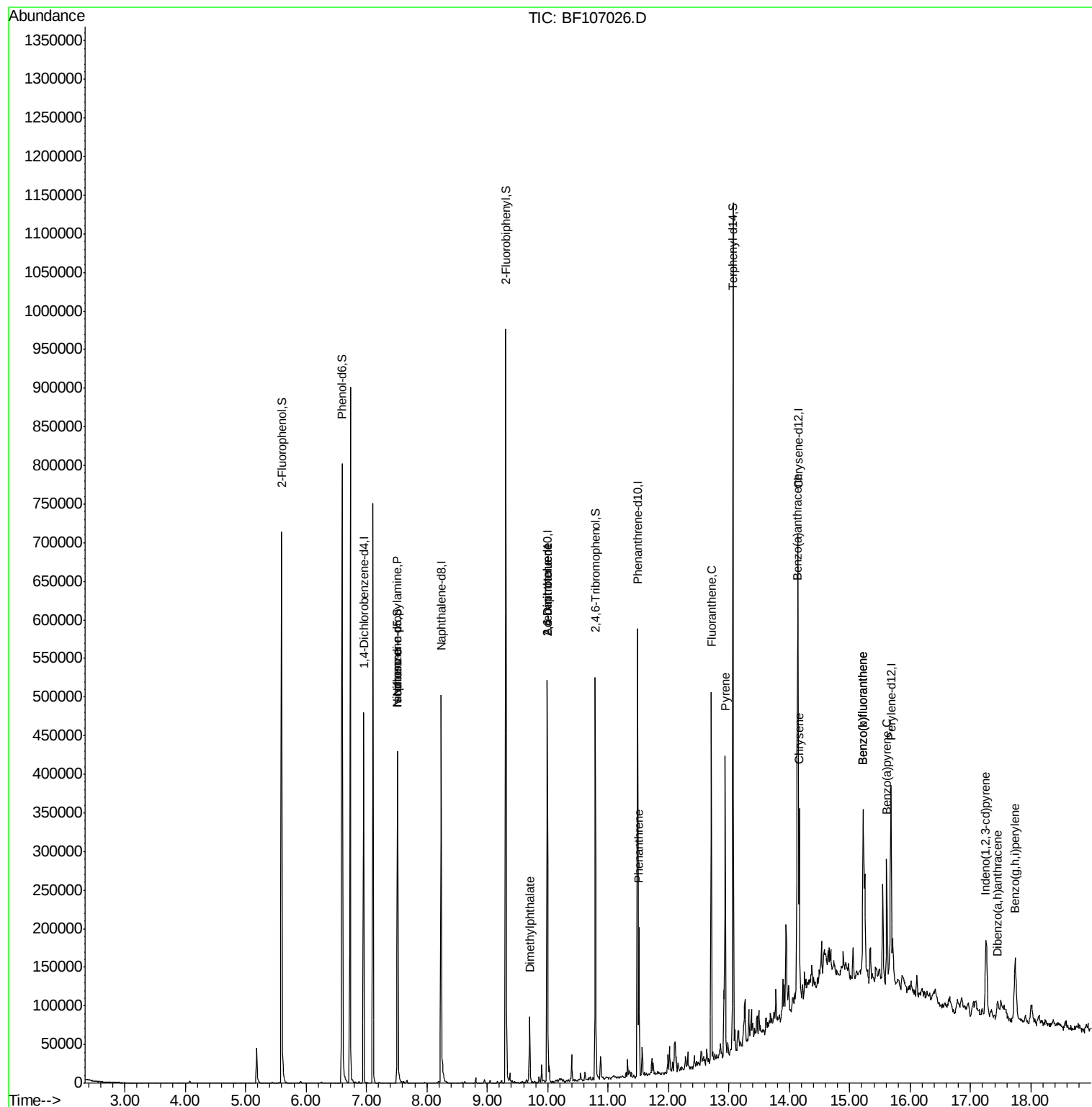
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.51	70	19603	5.867	ng	# 77
25) Isophorone	7.51	82	150381	19.629	ng	# 64
49) Dimethylphthalate	9.70	163	36839	4.657	ng	97
50) 2,6-Dinitrotoluene	10.00	165	13750	8.208	ng	# 25
56) 2,4-Dinitrotoluene	10.00	165	13750	6.288	ng	# 23
70) Phenanthrene	11.51	178	69042	6.719	ng	97
74) Fluoranthene	12.71	202	182022	16.072	ng	94
77) Pyrene	12.94	202	168774	13.723	ng	99
80) Benzo(a)anthracene	14.13	228	104321	9.178	ng	98
82) Chrysene	14.17	228	99670	9.531	ng	98
85) Indeno(1,2,3-cd)pyrene	17.25	276	69025	7.778	ng	# 87
87) Benzo(b)fluoranthene	15.22	252	178871	21.534	ng	# 96
88) Benzo(k)fluoranthene	15.22	252	178871	22.613	ng	# 96
89) Benzo(a)pyrene	15.61	252	86795	11.754	ng	96
90) Dibenzo(a,h)anthracene	17.44	278	12565	2.008	ng	95
91) Benzo(g,h,i)perylene	17.74	276	70908	11.593	ng	# 90

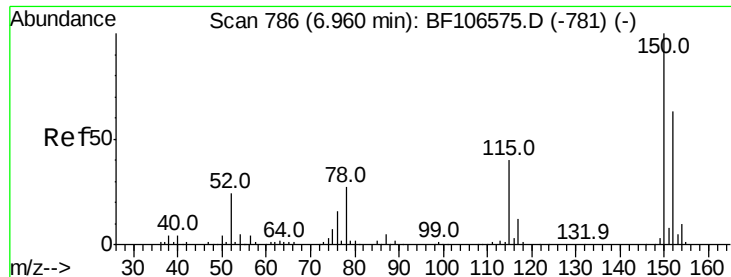
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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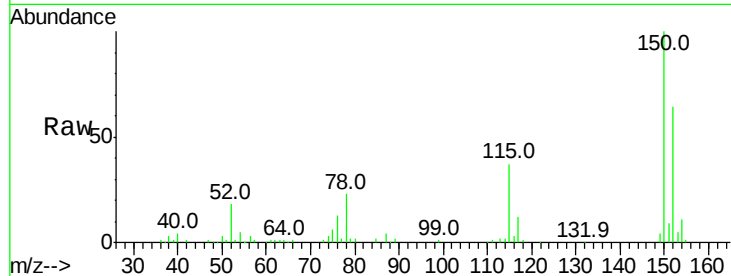


#1

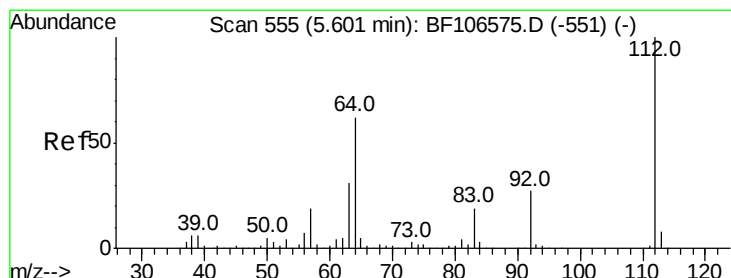
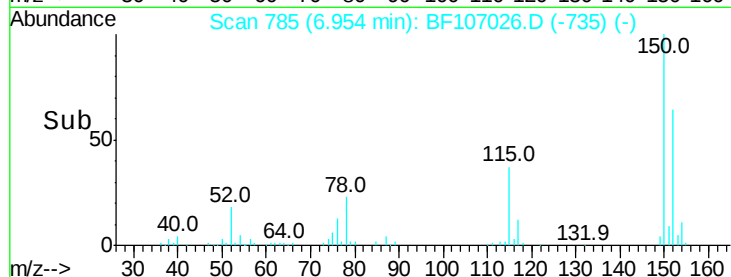
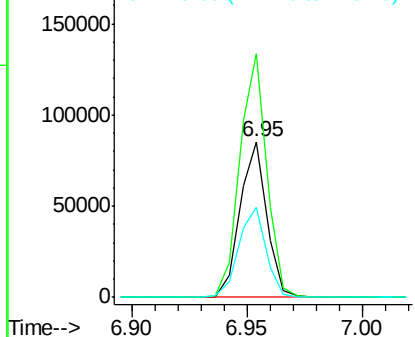
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF107026.D
Acq: 30 Jun 2018 20:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 68734
Ion Ratio Lower Upper
152 100
150 156.6 124.6 186.8
115 57.9 50.1 75.1



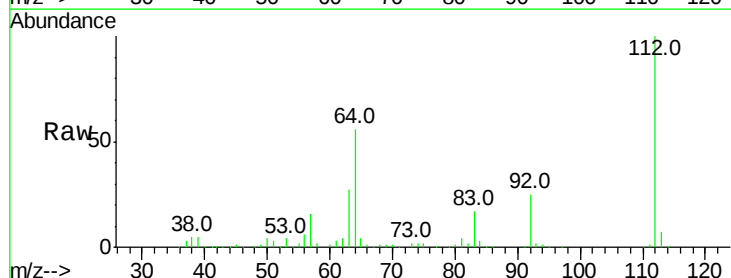
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



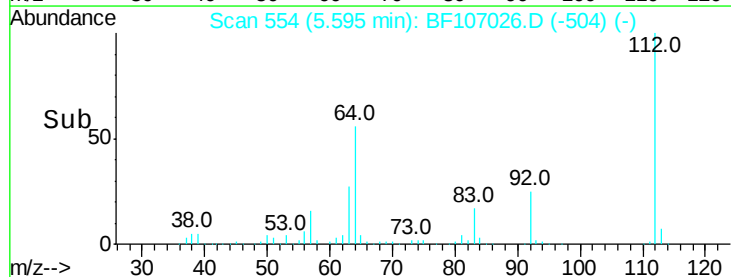
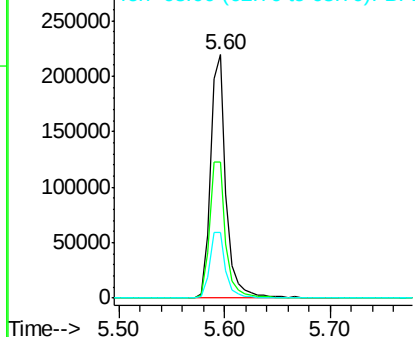
#5

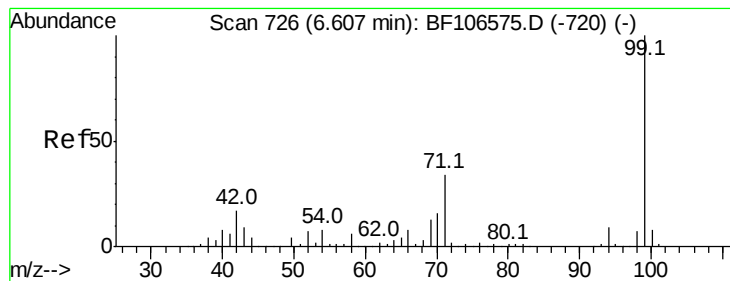
2-Fluorophenol
Concen: 55.877 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107026.D
Acq: 30 Jun 2018 20:24

Tgt Ion:112 Resp: 226812
Ion Ratio Lower Upper
112 100
64 55.8 47.9 71.9
63 27.2 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: 53.752 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107026.D

Acq: 30 Jun 2018 20:24

Instrument :

BNA_F

ClientSampleId :

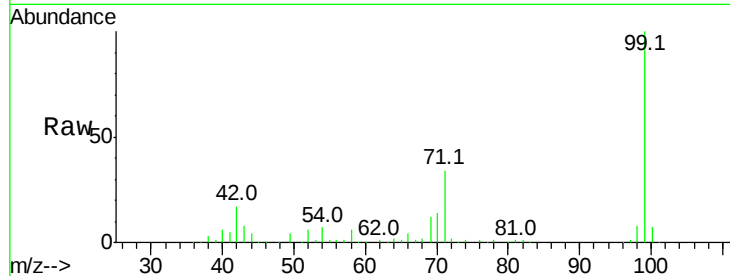
Tot Ion: 99 Resp: 272470

Ion Ratio Lower Upper

99 100

42 16.6 14.5 21.7

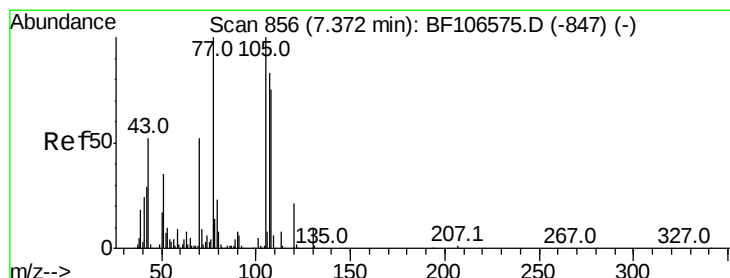
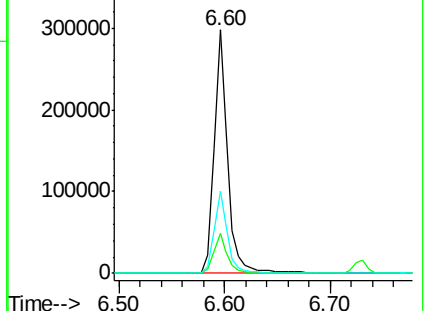
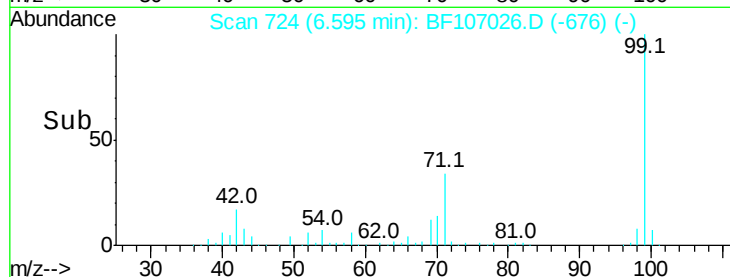
71 33.7 25.4 38.0



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: 5.867 ng

RT: 7.51 min Scan# 880

Delta R.T. 0.13 min

Lab File: BF107026.D

Acq: 30 Jun 2018 20:24

Tgt Ion: 70 Resp: 19603

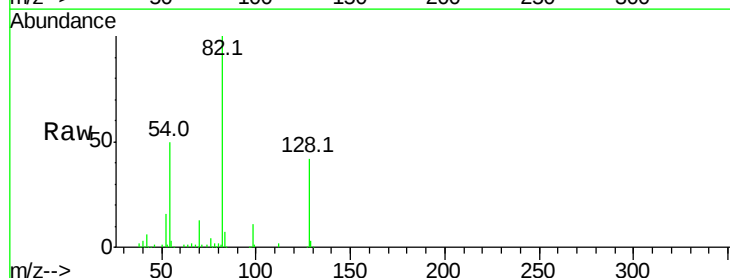
Ion Ratio Lower Upper

70 100

42 46.4 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

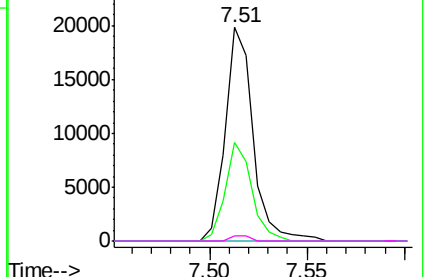
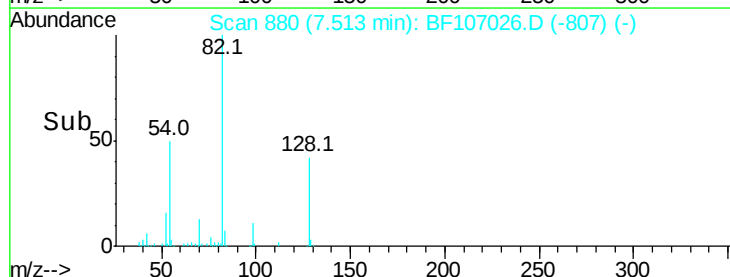


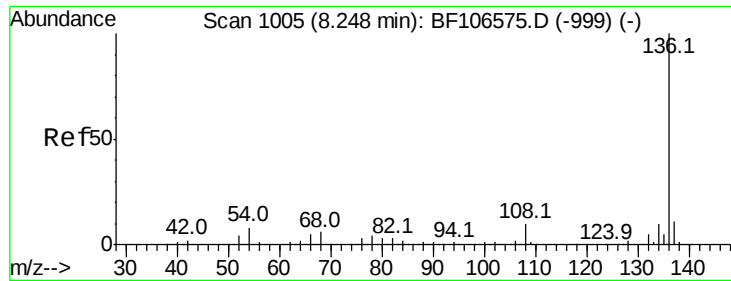
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

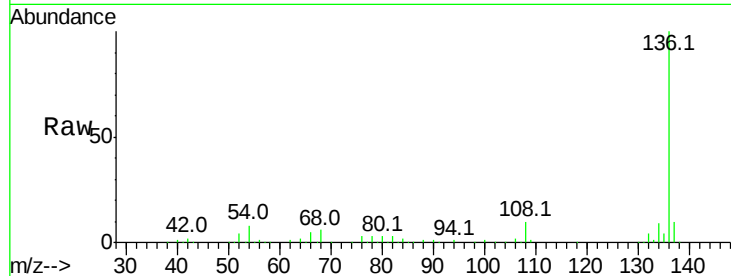




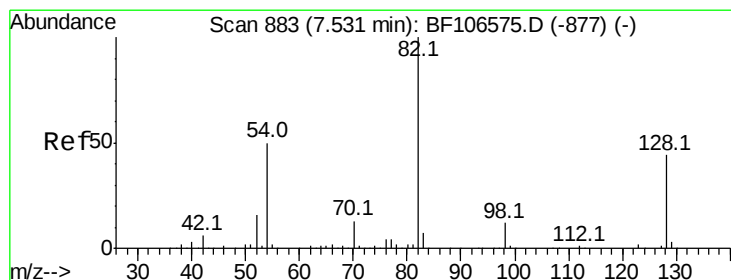
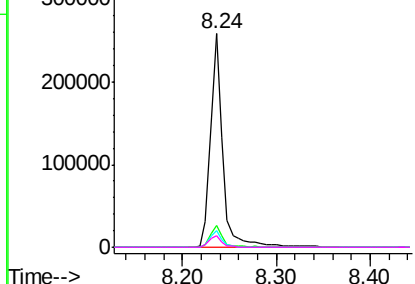
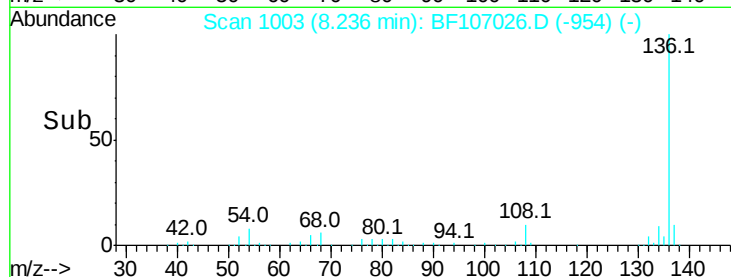
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF107026.D
Acq: 30 Jun 2018 20:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	241619
Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.9	13.3
54	7.7	6.6	9.8
68	5.7	5.0	7.4

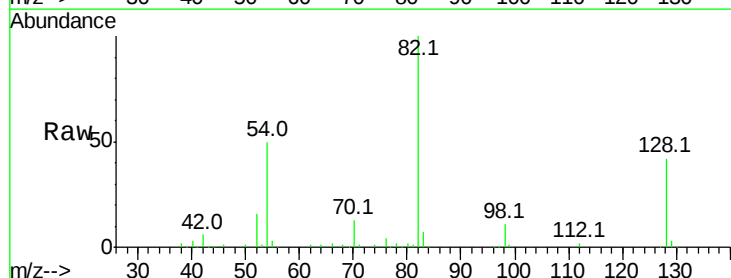


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

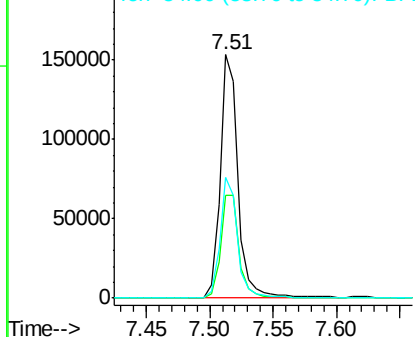
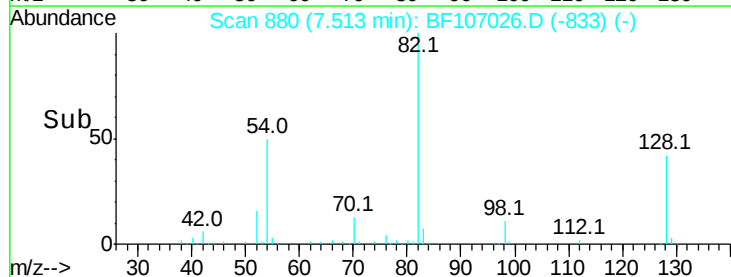


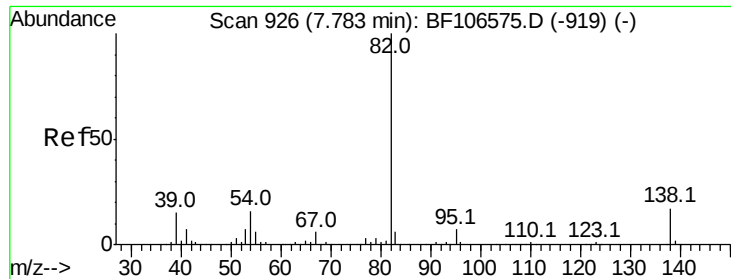
#23
Nitrobenzene-d5
Concen: 34.589 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF107026.D
Acq: 30 Jun 2018 20:24

Tgt Ion:	82	Resp:	150382
Ion	Ratio	Lower	Upper
82	100		
128	42.1	36.1	54.1
54	49.5	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: 19.629 ng

RT: 7.51 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF107026.D

Acq: 30 Jun 2018 20:24

Instrument :

BNA_F

ClientSampleId :

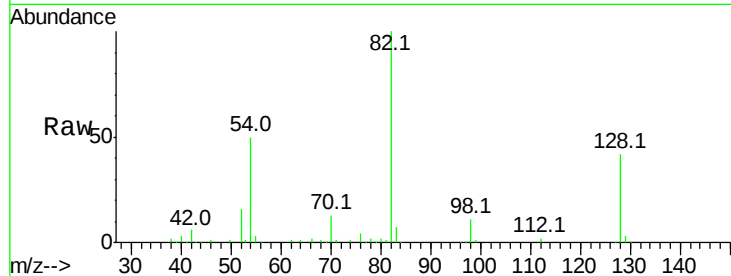
Tot Ion: 82 Resp: 150381

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

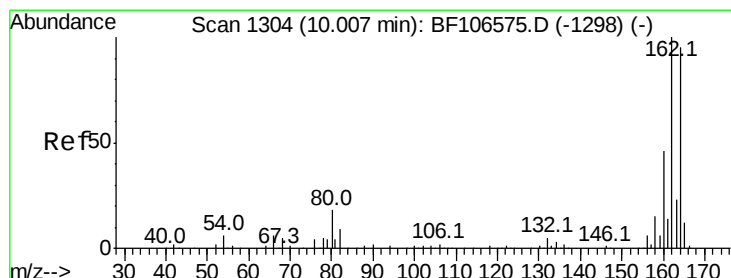
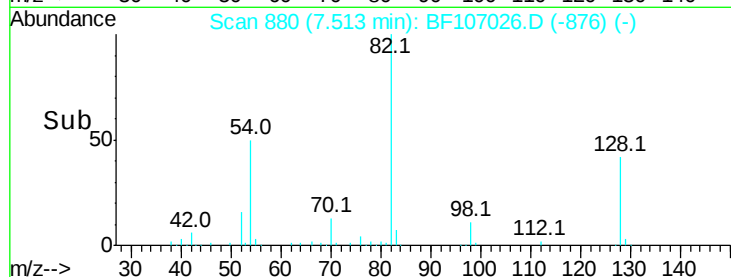
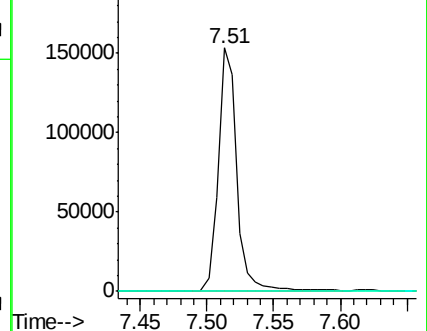
138 0.0 14.9 22.3#



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: BF107026.D

Acq: 30 Jun 2018 20:24

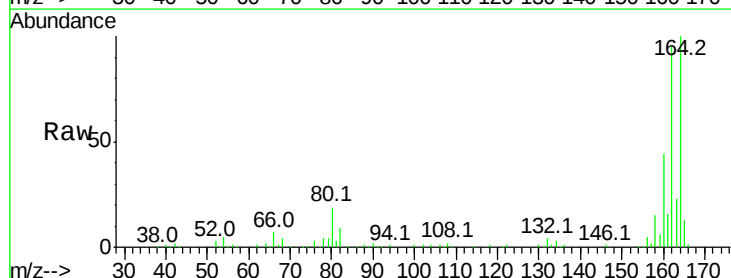
Tgt Ion: 164 Resp: 105477

Ion Ratio Lower Upper

164 100

162 94.7 86.1 129.1

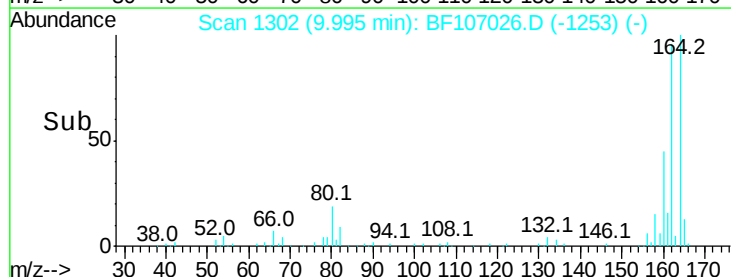
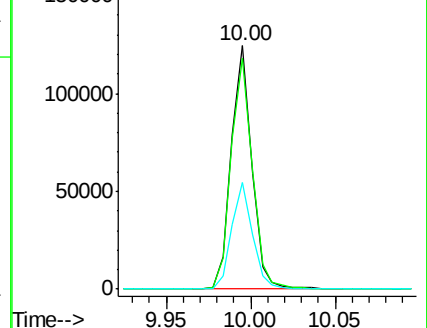
160 43.9 38.3 57.5

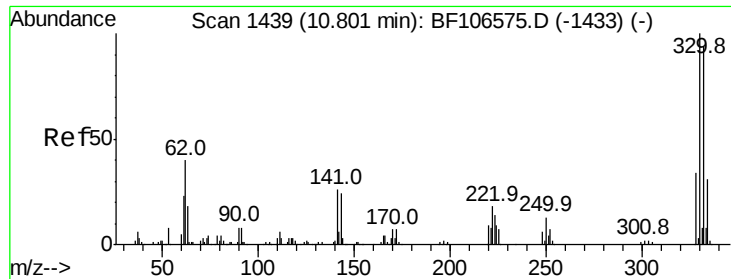


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

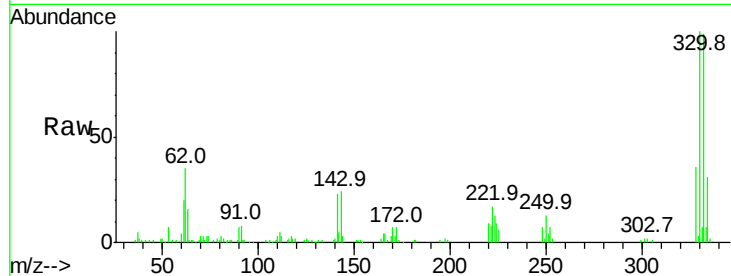




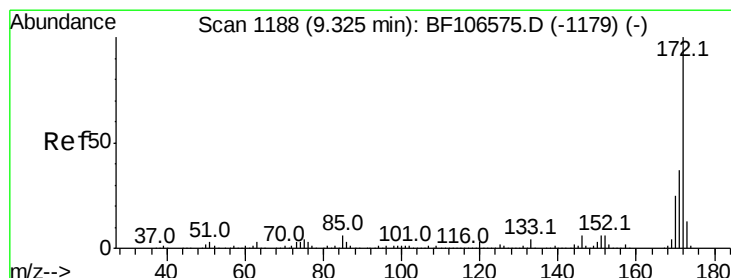
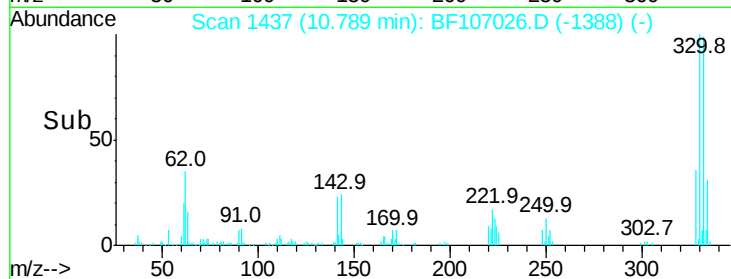
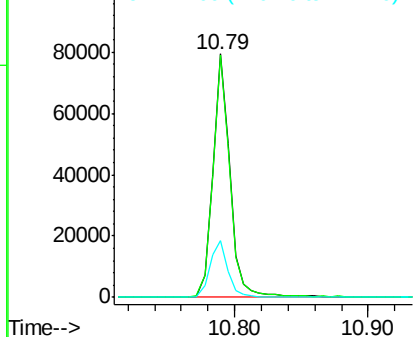
#41
 2,4,6-Tribromophenol
 Concen: 58.760 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107026.D
 Acq: 30 Jun 2018 20:24

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.1	77.0	115.6
141	24.3	29.9	44.9#

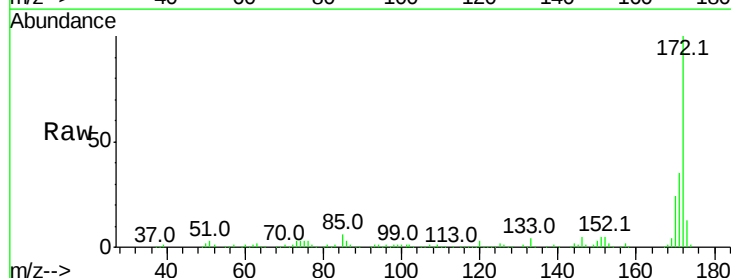


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

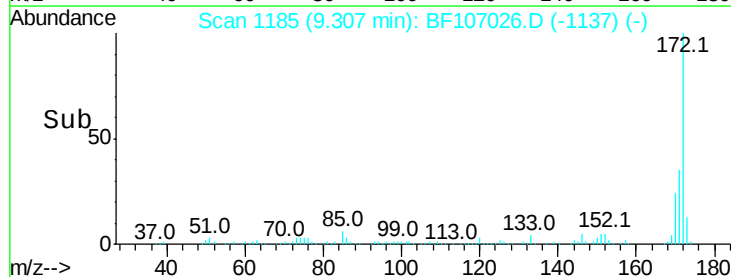
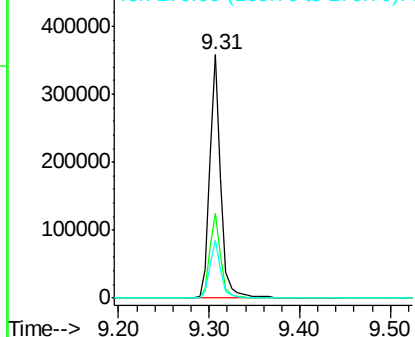


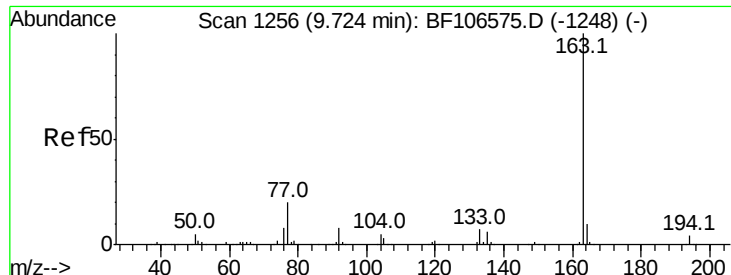
#44
 2-Fluorobiphenyl
 Concen: 42.456 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF107026.D
 Acq: 30 Jun 2018 20:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.7	44.5
170	23.7	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

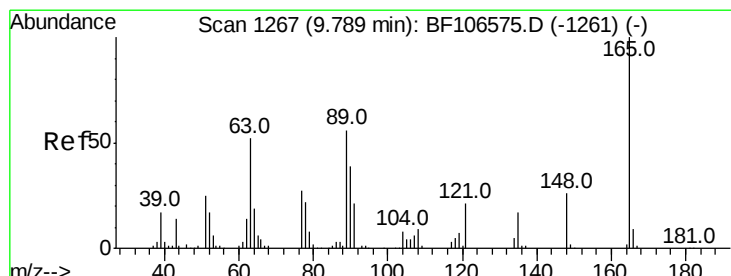
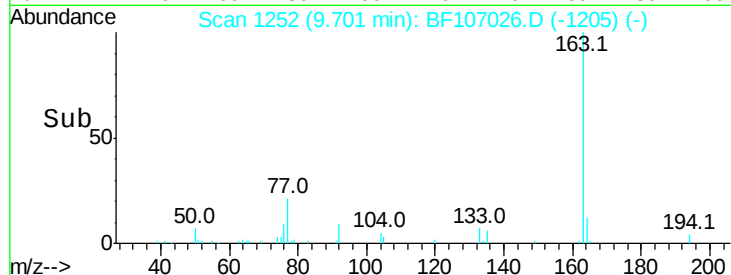
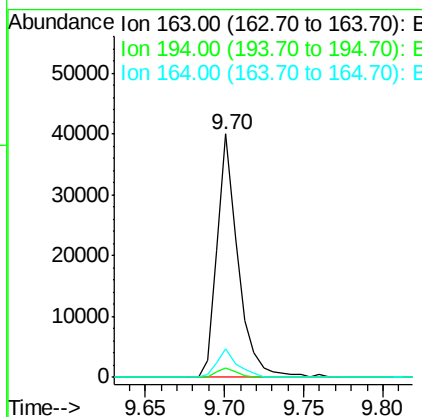
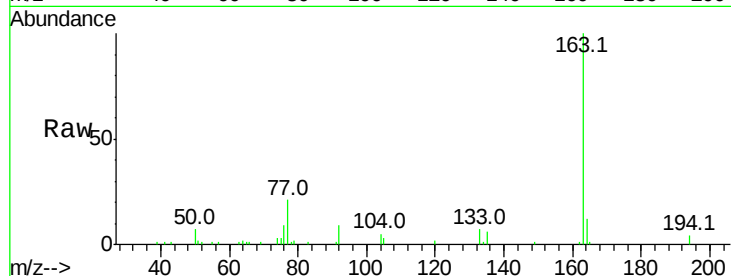




#49
Dimethylphthalate
Concen: 4.657 ng
RT: 9.70 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF107026.D
Acq: 30 Jun 2018 20:24

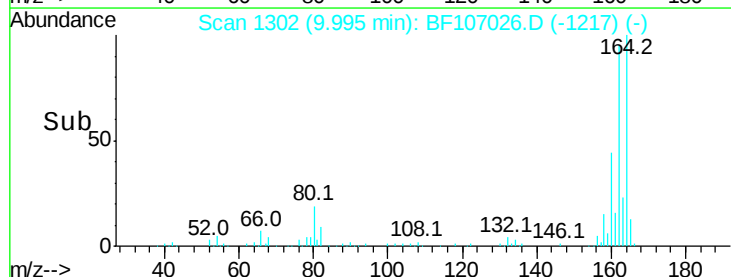
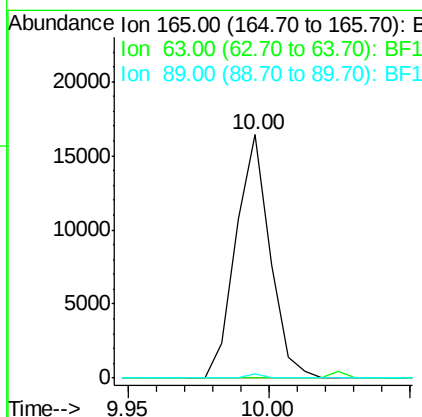
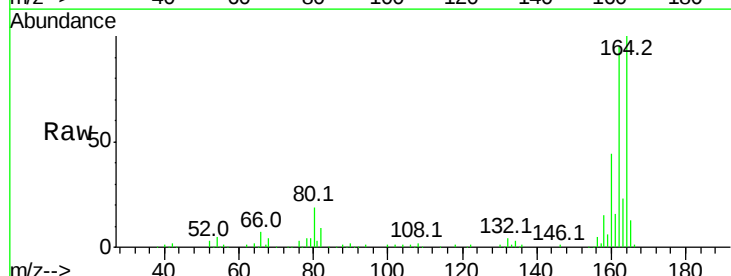
Instrument :
BNA_F
ClientSampled :

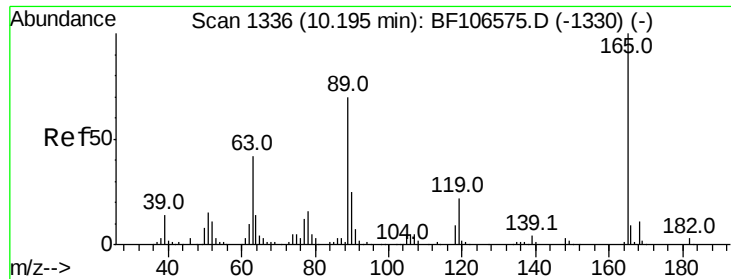
Tot Ion:163 Resp: 36839
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 11.6 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 8.208 ng
RT: 10.00 min Scan# 1302
Delta R.T. 0.20 min
Lab File: BF107026.D
Acq: 30 Jun 2018 20:24

Tgt Ion:165 Resp: 13750
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 1.9 44.0 66.0#

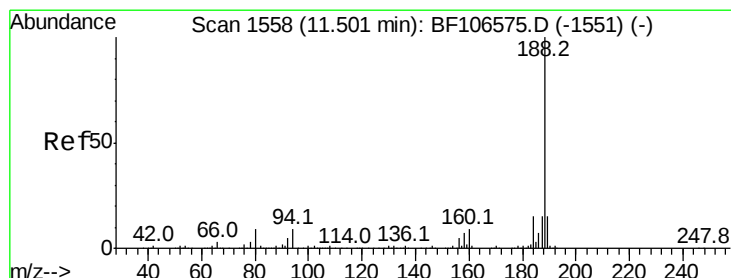
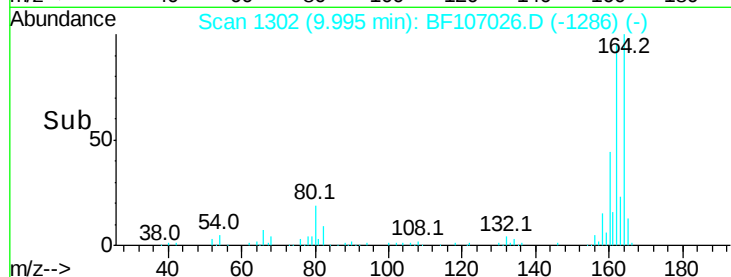
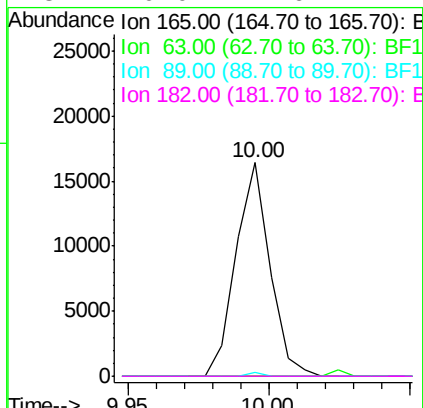
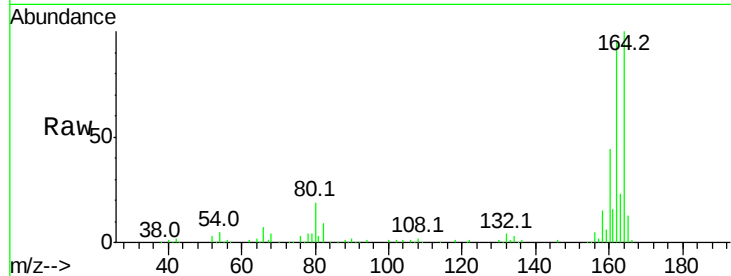




#56
 2,4-Dinitrotoluene
 Concen: 6.288 ng
 RT: 10.00 min Scan# 1302
 Delta R.T. -0.21 min
 Lab File: BF107026.D
 Acq: 30 Jun 2018 20:24

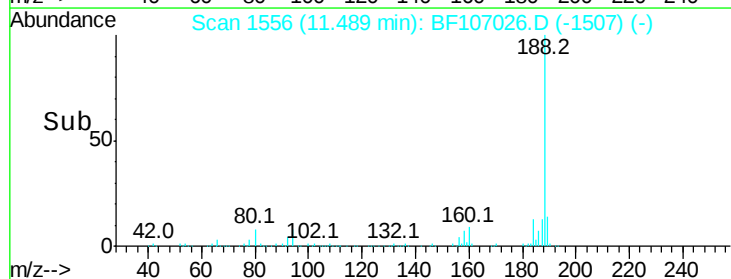
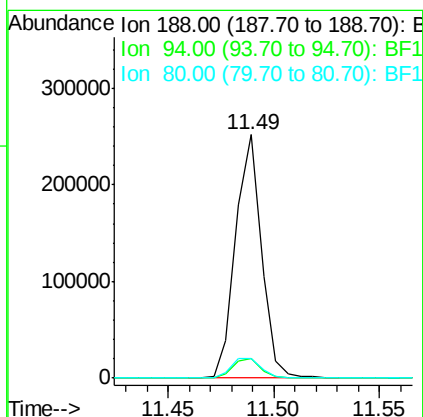
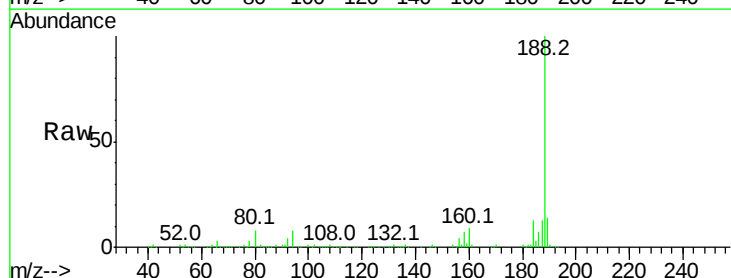
Instrument :
 BNA_F
 ClientSampleId :

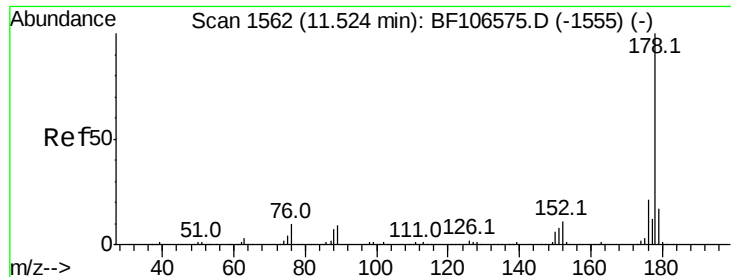
Tot Ion:165	Resp:	13750
Ion	Ratio	Lower Upper
165	100	
63	0.0	36.4 54.6#
89	1.9	57.8 86.6#
182	0.0	1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF107026.D
 Acq: 30 Jun 2018 20:24

Tgt Ion:188	Resp:	213039
Ion	Ratio	Lower Upper
188	100	
94	8.1	8.5 12.7#
80	8.3	9.2 13.8#

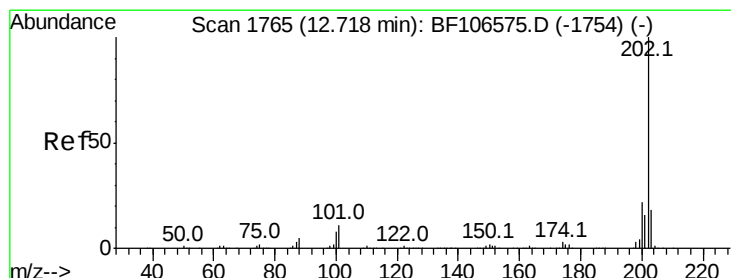
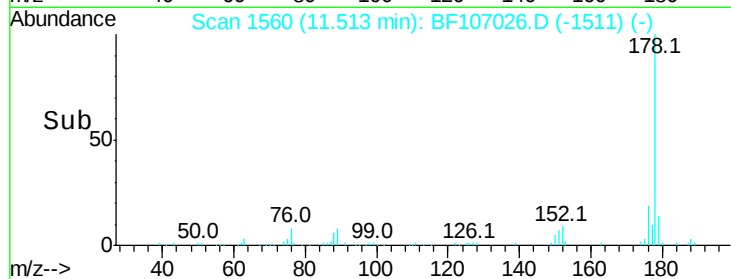
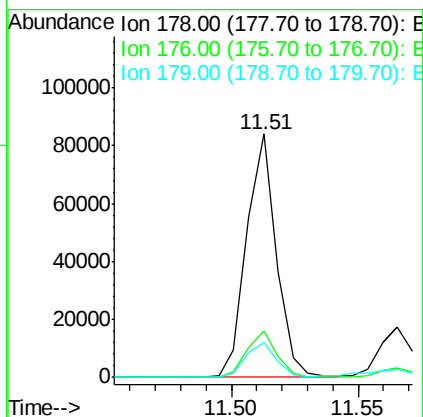
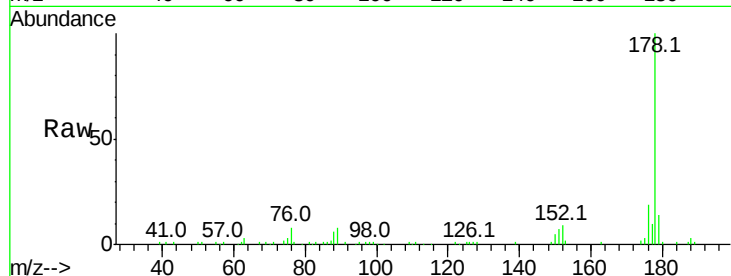




#70
Phenanthrene
Concen: 6.719 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF107026.D
Acq: 30 Jun 2018 20:24

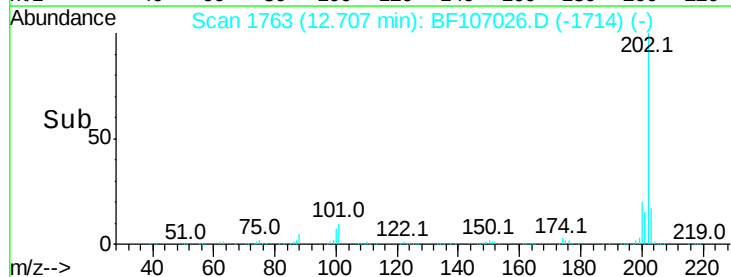
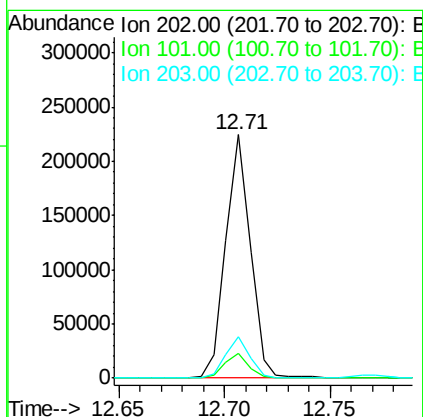
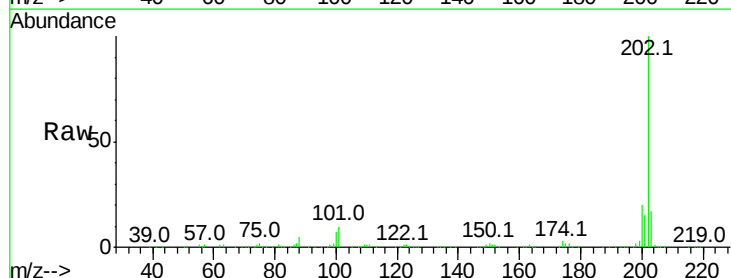
Instrument :
BNA_F
ClientSampled :

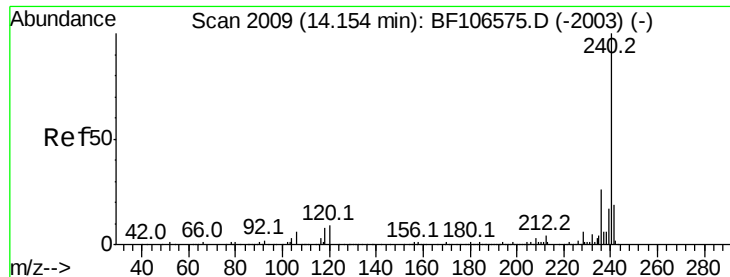
Tot Ion:178 Resp: 69042
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.8
179 14.4 13.0 19.6



#74
Fluoranthene
Concen: 16.072 ng
RT: 12.71 min Scan# 1763
Delta R.T. -0.01 min
Lab File: BF107026.D
Acq: 30 Jun 2018 20:24

Tgt Ion:202 Resp: 182022
Ion Ratio Lower Upper
202 100
101 10.0 0.0 34.1
203 17.1 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.02 min

Lab File: BF107026.D

Acq: 30 Jun 2018 20:24

Instrument :

BNA_F

ClientSampled :

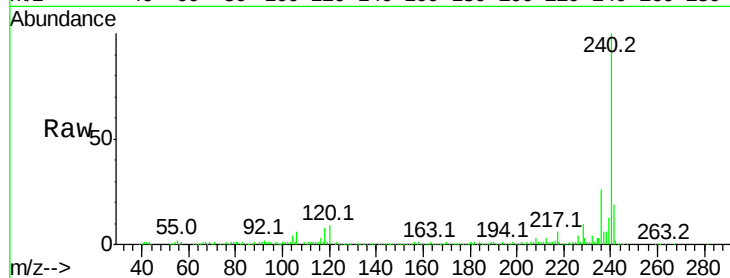
Tot Ion:240 Resp: 186502

Ion Ratio Lower Upper

240 100

120 8.9 9.5 14.3#

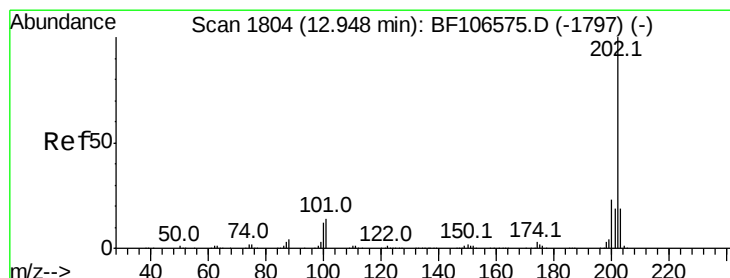
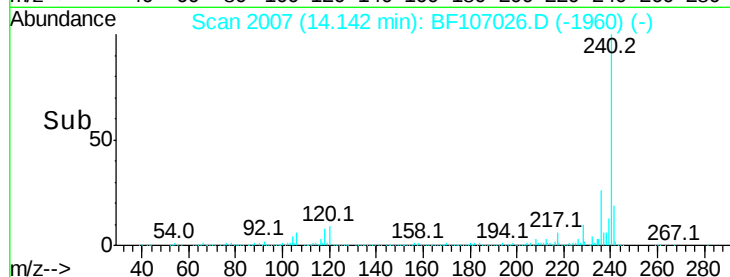
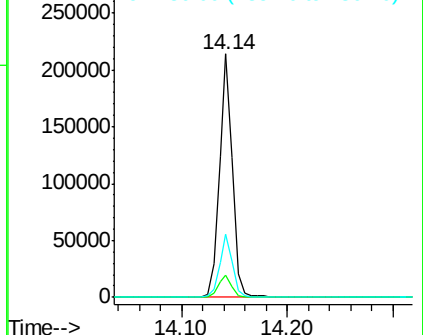
236 25.8 20.7 31.1



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: 13.723 ng

RT: 12.94 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF107026.D

Acq: 30 Jun 2018 20:24

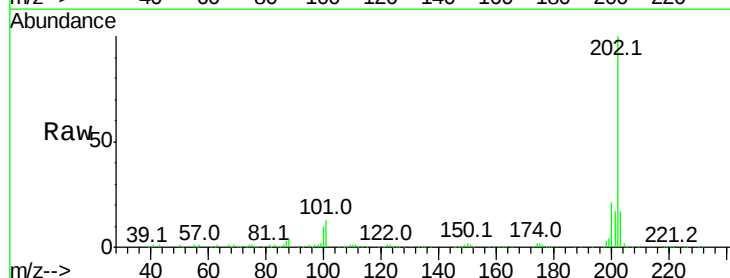
Tgt Ion:202 Resp: 168774

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

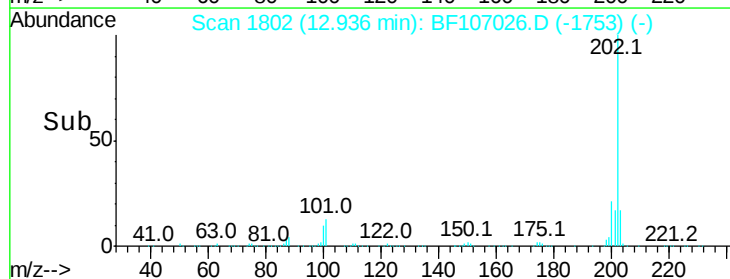
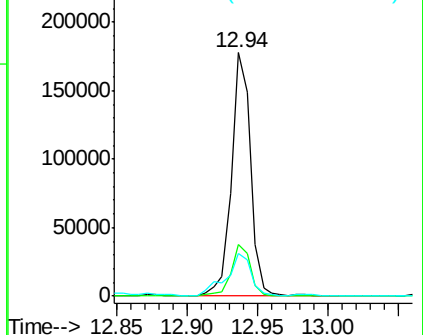
203 17.4 14.3 21.5

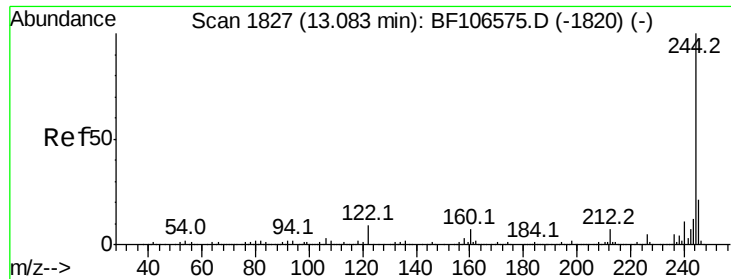


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

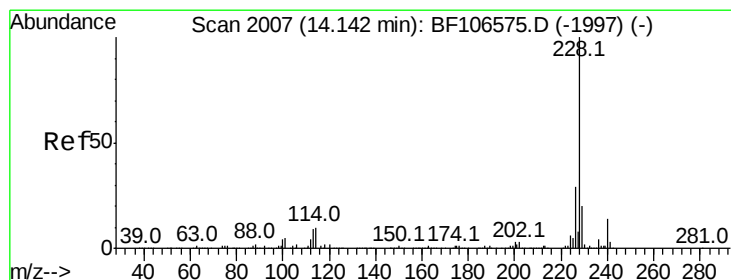
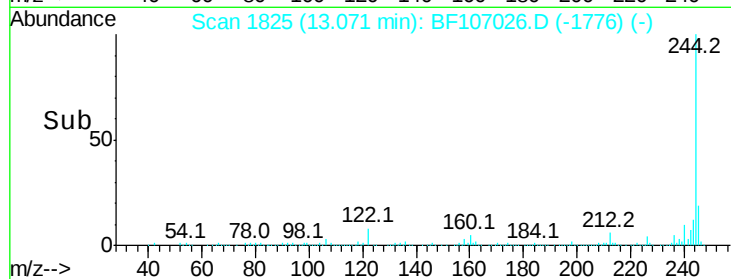
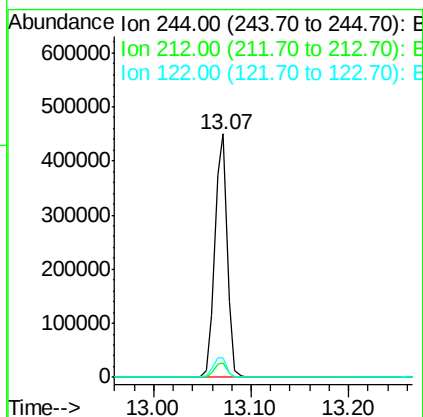
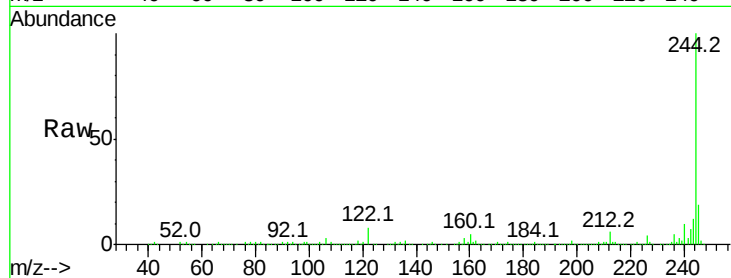




#78
 Terphenyl-d14
 Concen: 51.129 ng
 RT: 13.07 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF107026.D
 Acq: 30 Jun 2018 20:24

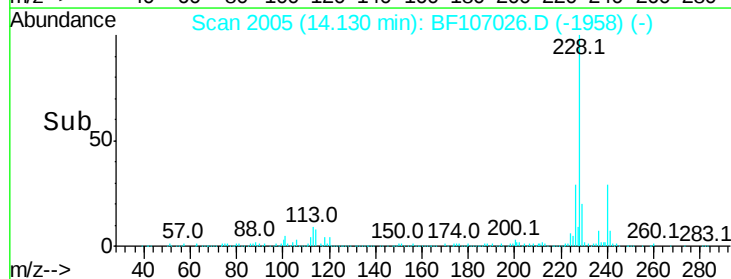
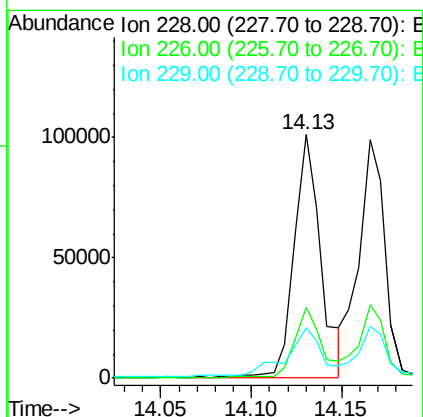
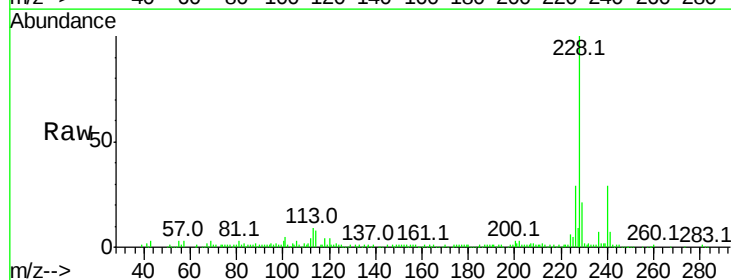
Instrument :
 BNA_F
 ClientSampleId :

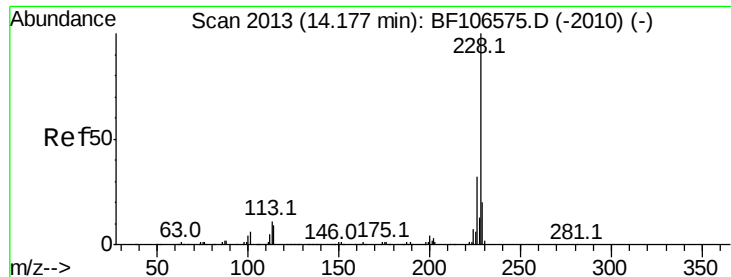
Tot Ion:244 Resp: 393660
 Ion Ratio Lower Upper
 244 100
 212 6.0 5.4 8.0
 122 8.1 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 9.178 ng
 RT: 14.13 min Scan# 2005
 Delta R.T. -0.02 min
 Lab File: BF107026.D
 Acq: 30 Jun 2018 20:24

Tgt Ion:228 Resp: 104321
 Ion Ratio Lower Upper
 228 100
 226 28.9 22.6 33.8
 229 20.5 15.8 23.6

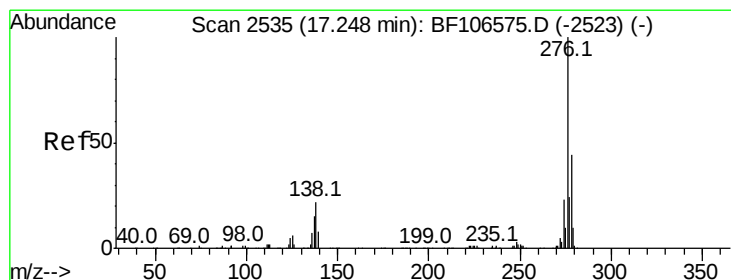
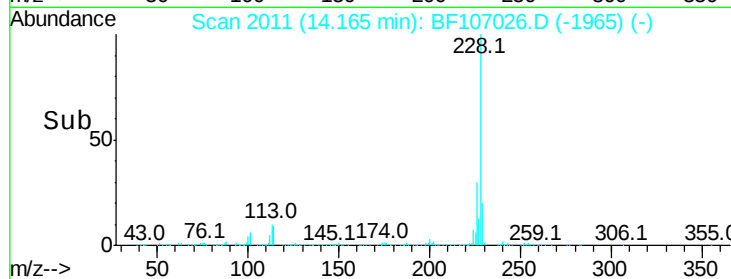
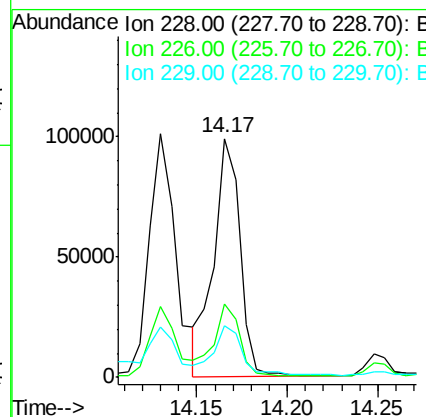
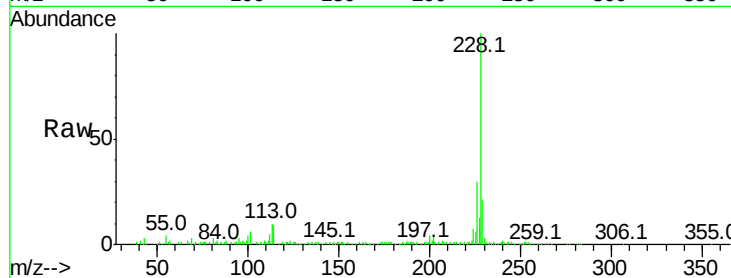




#82
Chrysene
Concen: 9.531 ng
RT: 14.17 min Scan# 2011
Delta R.T. -0.03 min
Lab File: BF107026.D
Acq: 30 Jun 2018 20:24

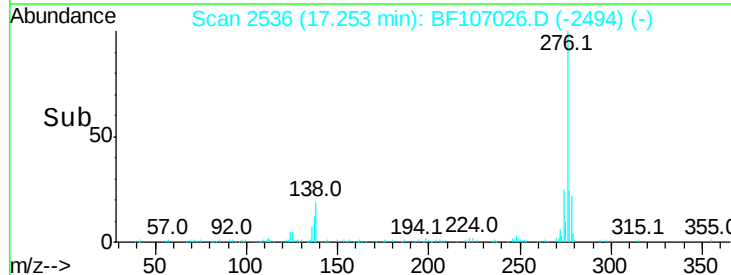
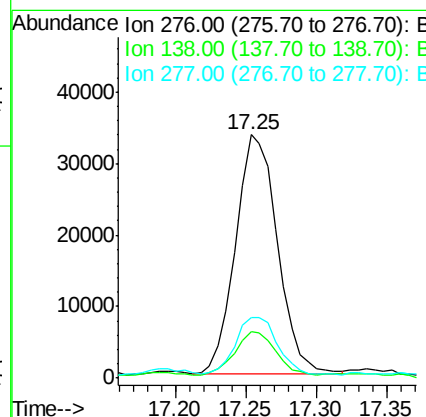
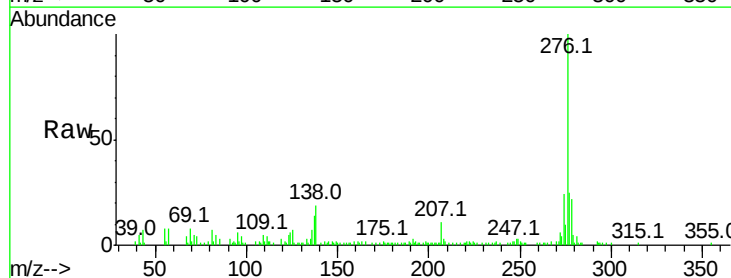
Instrument :
BNA_F
ClientSampleId :

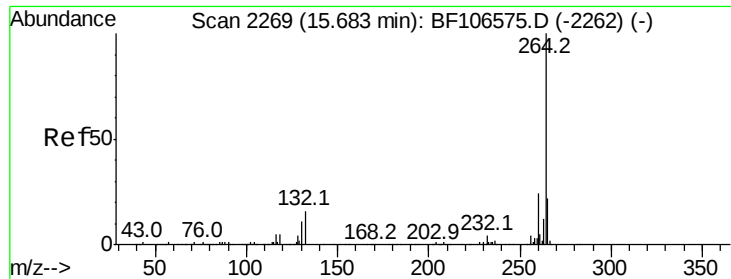
Tot Ion:228 Resp: 99670
Ion Ratio Lower Upper
228 100
226 30.5 25.0 37.6
229 21.5 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 7.778 ng
RT: 17.25 min Scan# 2536
Delta R.T. -0.05 min
Lab File: BF107026.D
Acq: 30 Jun 2018 20:24

Tgt Ion:276 Resp: 69025
Ion Ratio Lower Upper
276 100
138 18.7 25.0 37.6#
277 25.4 20.1 30.1

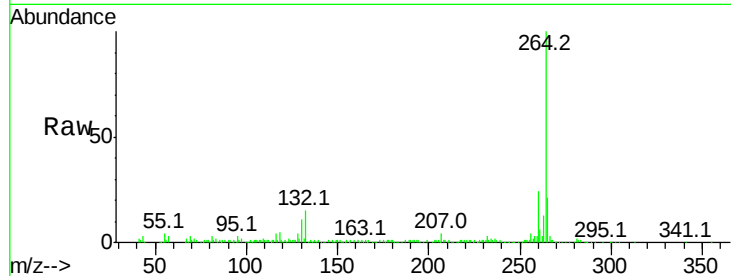




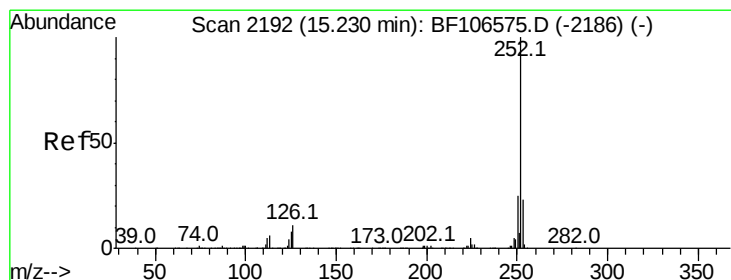
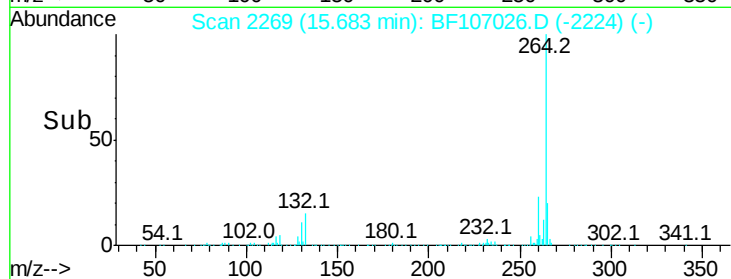
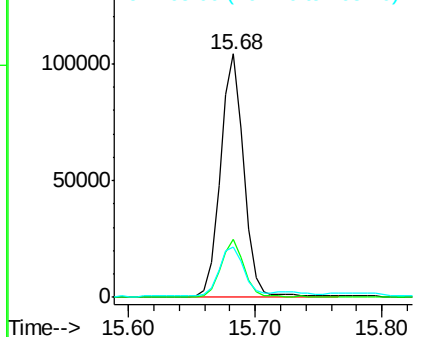
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.04 min
Lab File: BF107026.D
Acq: 30 Jun 2018 20:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	20.8	17.5	26.3

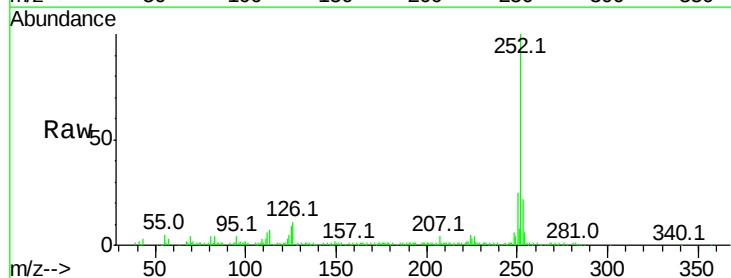


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

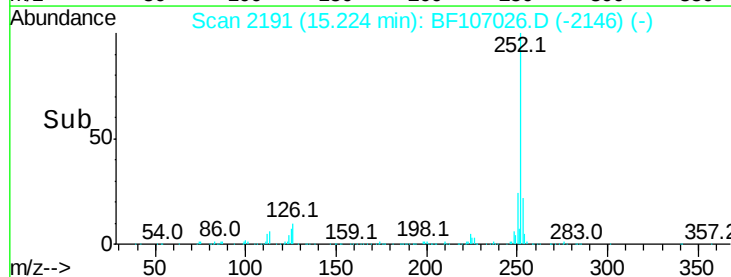
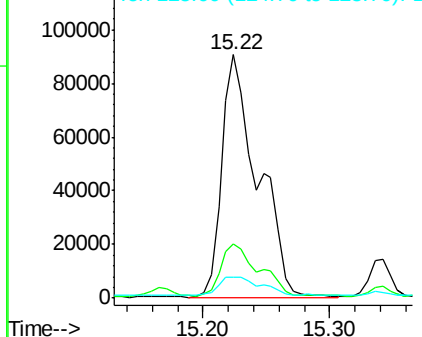


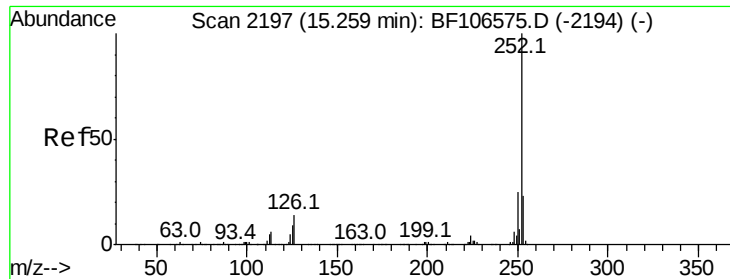
#87
Benzo(b)fluoranthene
Concen: 21.534 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.04 min
Lab File: BF107026.D
Acq: 30 Jun 2018 20:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	8.7	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

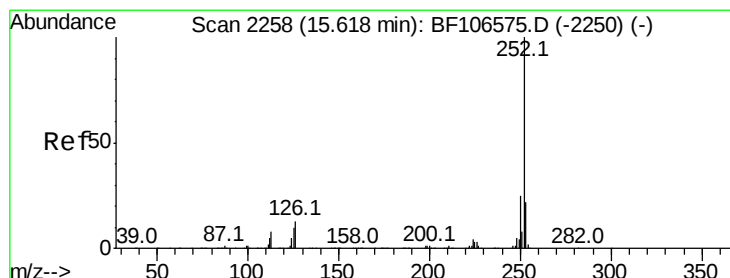
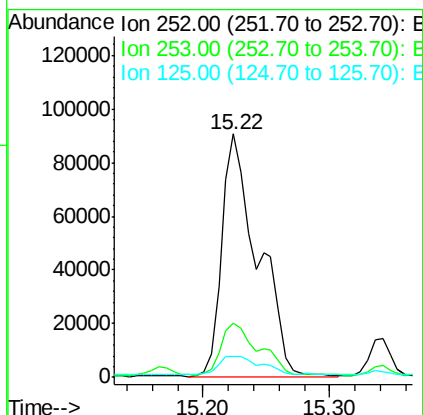
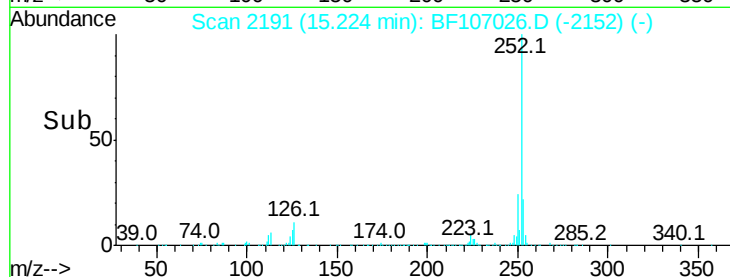
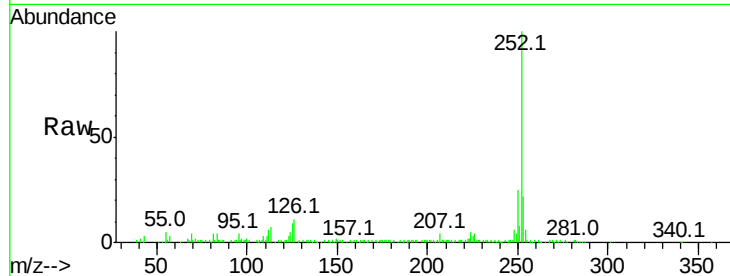




#88
Benzo(k)fluoranthene
Concen: 22.613 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.07 min
Lab File: BF107026.D
Acq: 30 Jun 2018 20:24

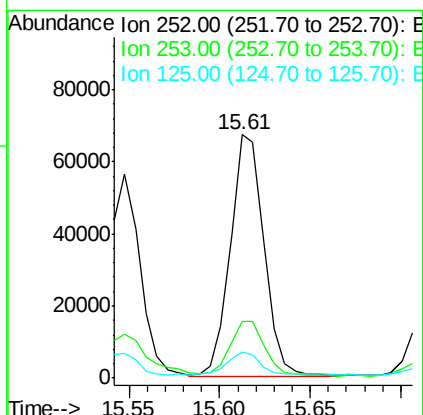
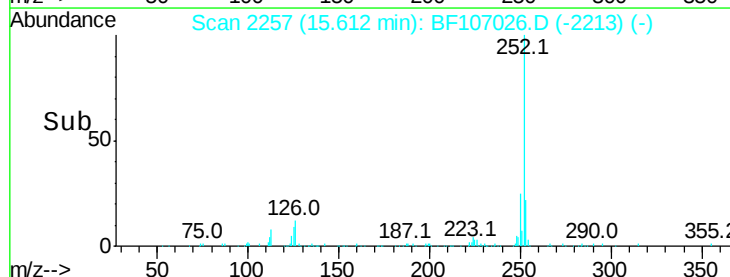
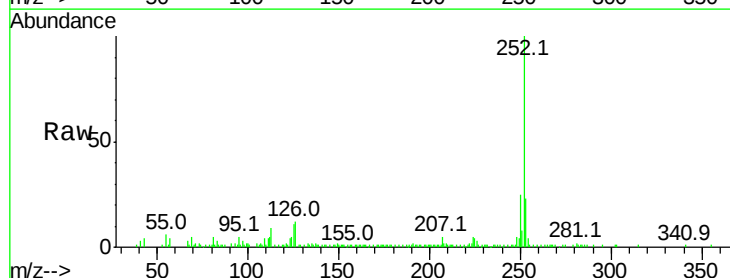
Instrument :
BNA_F
ClientSampleId :

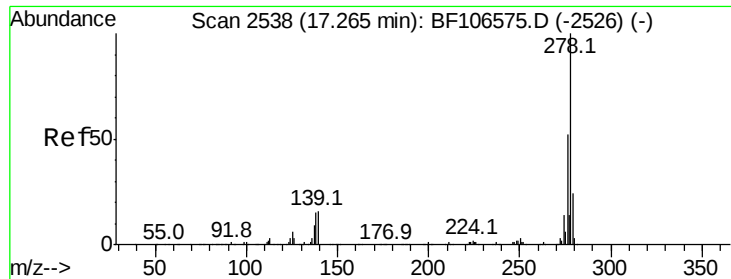
Tot Ion:252 Resp: 178871
Ion Ratio Lower Upper
252 100
253 22.5 17.9 26.9
125 8.7 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 11.754 ng
RT: 15.61 min Scan# 2257
Delta R.T. -0.04 min
Lab File: BF107026.D
Acq: 30 Jun 2018 20:24

Tgt Ion:252 Resp: 86795
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 10.6 9.8 14.6





#90

Dibenzo(a,h)anthracene

Concen: 2.008 ng

RT: 17.44 min Scan# 2568

Delta R.T. 0.12 min

Lab File: BF107026.D

Acq: 30 Jun 2018 20:24

Instrument :

BNA_F

ClientSampleId :

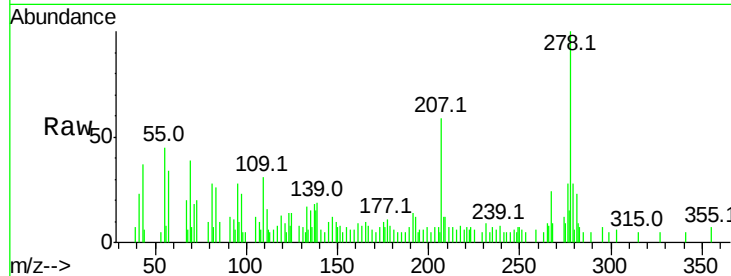
Tot Ion:278 Resp: 12565

Ion Ratio Lower Upper

278 100

139 19.1 15.9 23.9

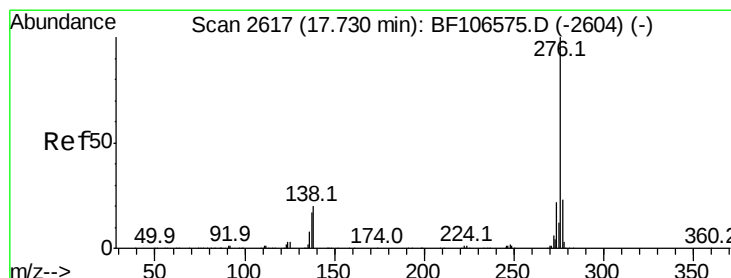
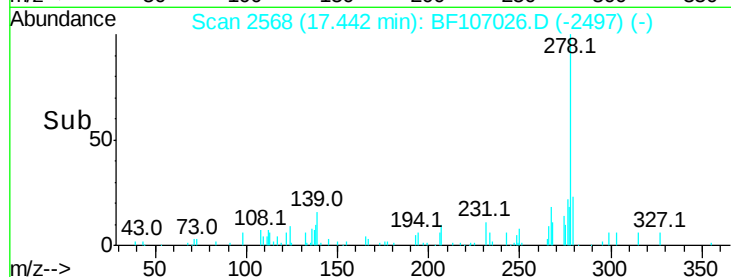
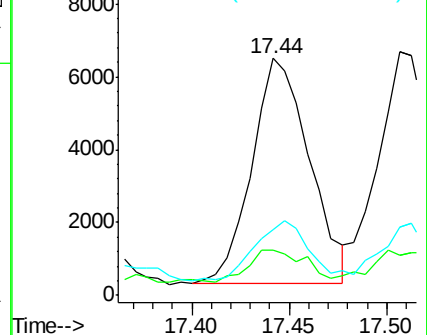
279 27.9 19.0 28.4



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: 11.593 ng

RT: 17.74 min Scan# 2618

Delta R.T. -0.05 min

Lab File: BF107026.D

Acq: 30 Jun 2018 20:24

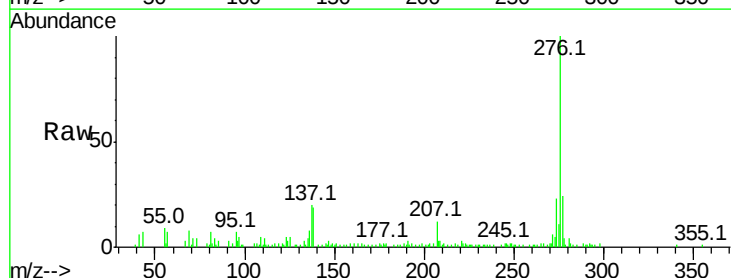
Tgt Ion:276 Resp: 70908

Ion Ratio Lower Upper

276 100

277 23.7 17.9 26.9

138 19.5 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

