

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062218\
 Data File : BF106705.D
 Acq On : 22 Jun 2018 13:30
 Operator : JU/SJ
 Sample : J3603-23
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 22 14:04:54 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 22 11:34:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	66613	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	260620	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	137248	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	277134	20.00	ng	0.00
75) Chrysene-d12	14.15	240	214386	20.00	ng	0.00
86) Perylene-d12	15.69	264	216373	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	444474	112.99	ng	0.00
7) Phenol-d6	6.61	99	574180	116.88	ng	0.00
23) Nitrobenzene-d5	7.52	82	371913	79.31	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	188395	118.43	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	542546	63.11	ng	-0.01
78) Terphenyl-d14	13.08	244	568796	64.27	ng	0.00

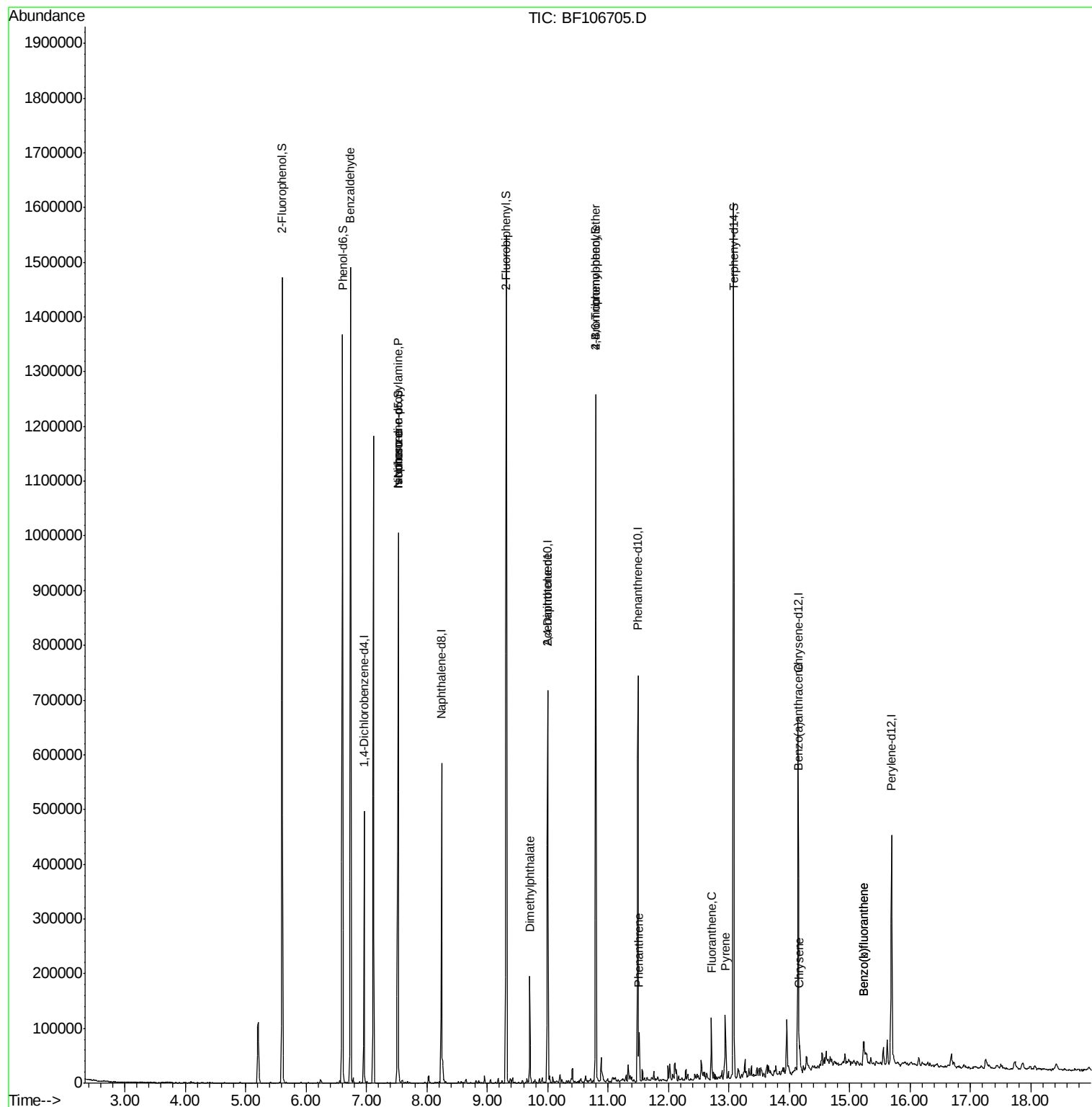
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.74	77	10520	2.539	ng	82
19) n-Nitroso-di-n-propylamine	7.52	70	48357	14.933	ng	# 72
25) Isophorone	7.52	82	371907	45.004	ng	# 64
49) Dimethylphthalate	9.71	163	71700	6.965	ng	99
56) 2,4-Dinitrotoluene	10.00	165	17851	6.274	ng	# 22
66) 4-Bromophenyl-phenylether	10.80	248	11617	3.512	ng	# 1
70) Phenanthrene	11.52	178	34426	2.575	ng	99
74) Fluoranthene	12.71	202	42217	2.866	ng	97
77) Pyrene	12.94	202	48549	3.434	ng	100
80) Benzo(a)anthracene	14.14	228	27777	2.126	ng	91
82) Chrysene	14.17	228	26776	2.227	ng	96
87) Benzo(b)fluoranthene	15.23	252	35573	2.647	ng	95
88) Benzo(k)fluoranthene	15.23	252	35573	2.779	ng	96

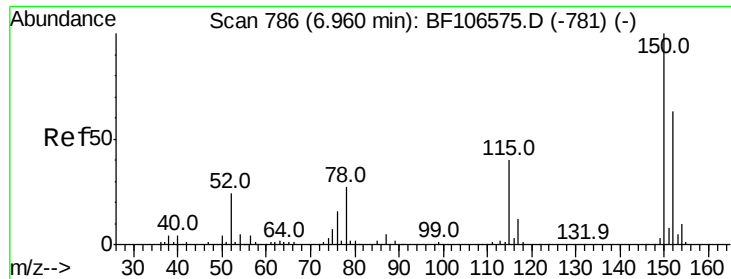
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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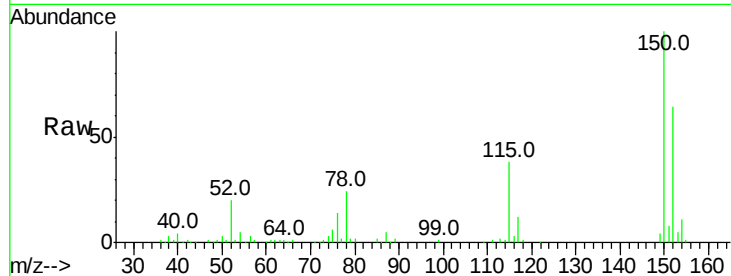


#1

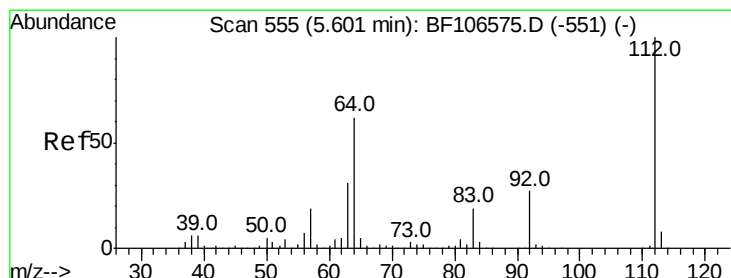
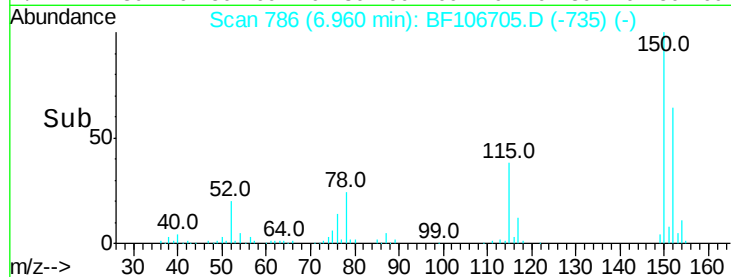
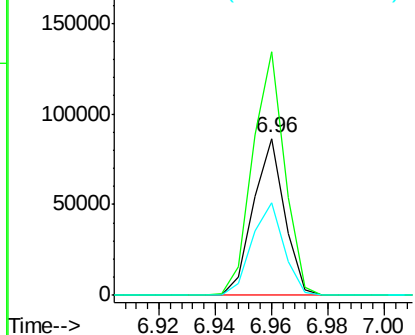
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.00 min
Lab File: BF106705.D
Acq: 22 Jun 2018 13:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 66613
Ion Ratio Lower Upper
152 100
150 155.3 124.6 186.8
115 58.7 50.1 75.1



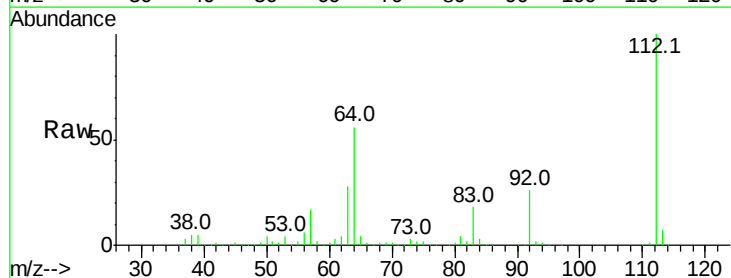
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



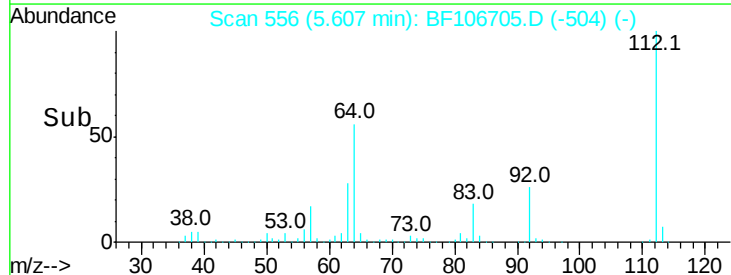
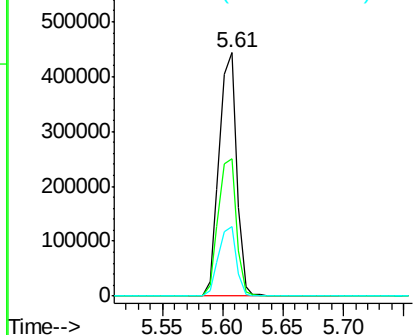
#5

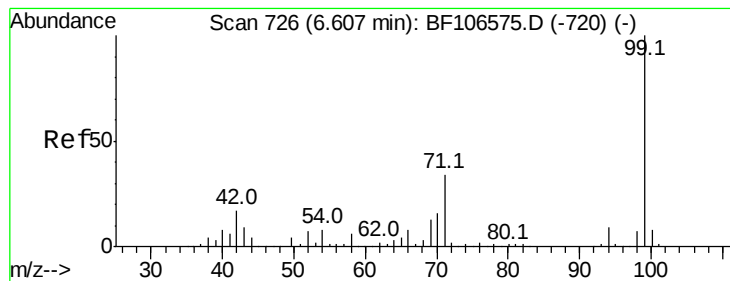
2-Fluorophenol
Concen: 112.986 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF106705.D
Acq: 22 Jun 2018 13:30

Tgt Ion:112 Resp: 444474
Ion Ratio Lower Upper
112 100
64 56.2 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: 116.878 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF106705.D

Acq: 22 Jun 2018 13:30

Instrument :

BNA_F

ClientSampleId :

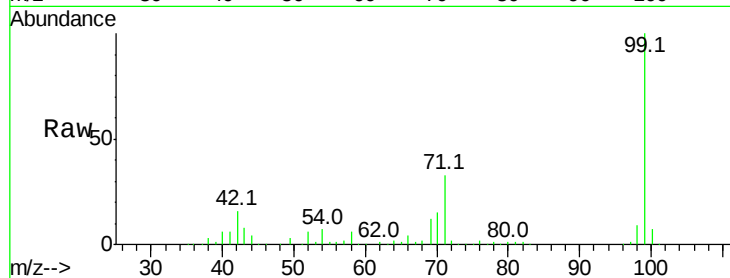
Tot Ion: 99 Resp: 574180

Ion Ratio Lower Upper

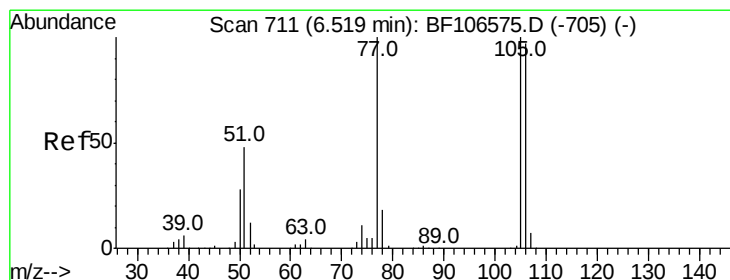
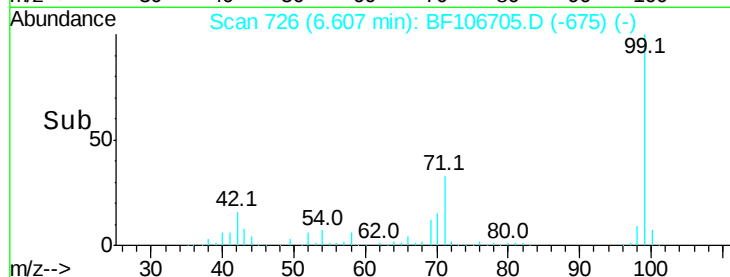
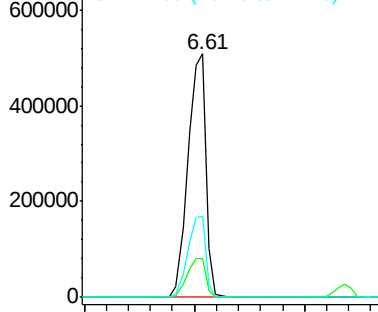
99 100

42 15.9 14.5 21.7

71 33.1 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



#9

Benzaldehyde

Concen: 2.539 ng

RT: 6.74 min Scan# 748

Delta R.T. 0.22 min

Lab File: BF106705.D

Acq: 22 Jun 2018 13:30

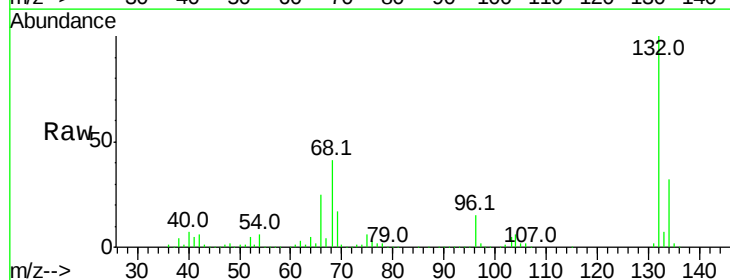
Tgt Ion: 77 Resp: 10520

Ion Ratio Lower Upper

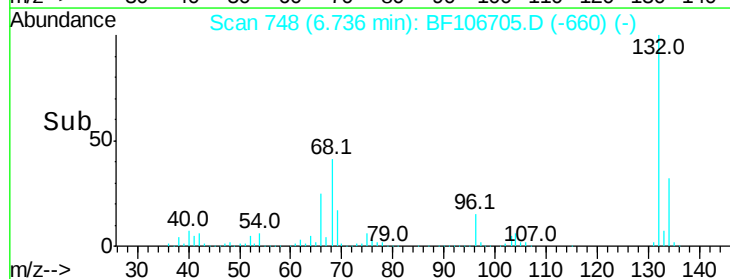
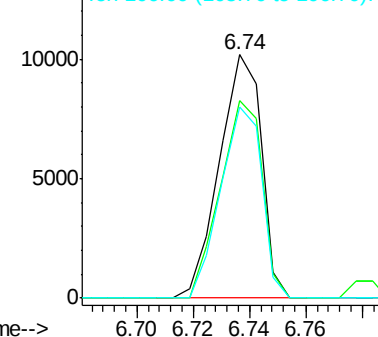
77 100

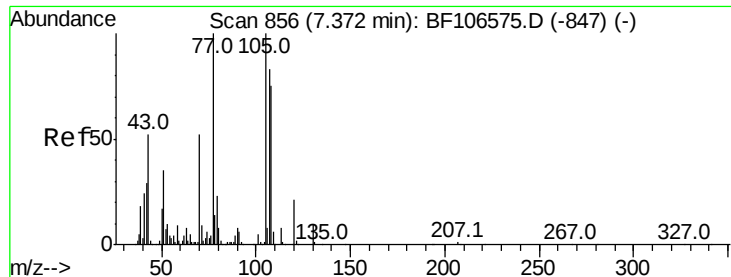
105 81.1 81.1 121.1

106 78.4 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1

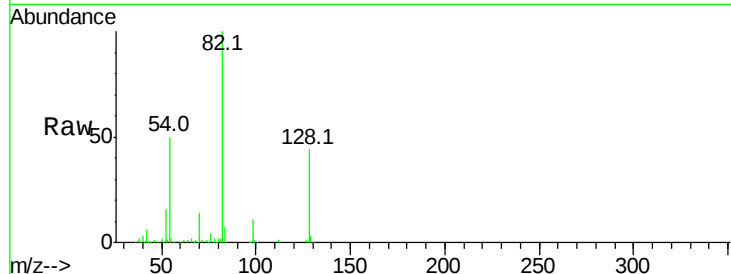




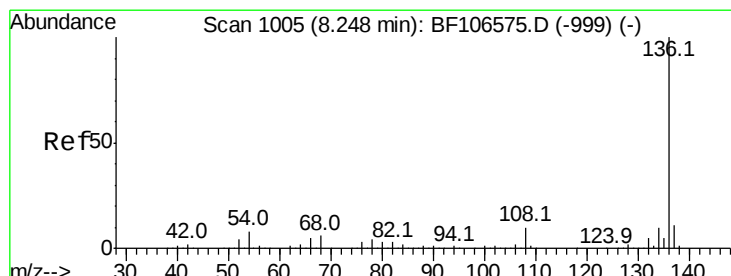
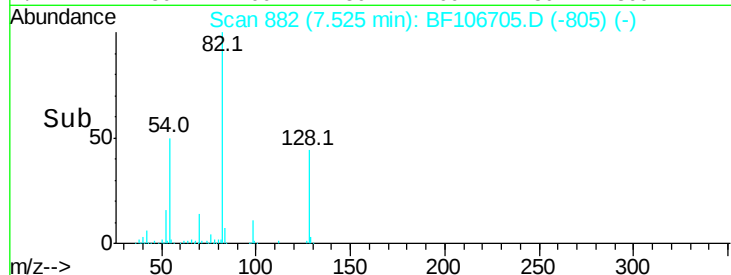
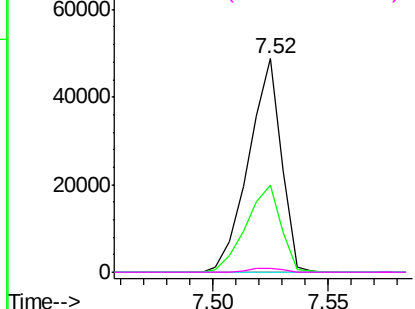
#19
n-Nitroso-di-n-propylamine
Concen: 14.933 ng
RT: 7.52 min Scan# 882
Delta R.T. 0.15 min
Lab File: BF106705.D
Acq: 22 Jun 2018 13:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 48357
Ion Ratio Lower Upper
70 100
42 40.8 47.5 71.3#
101 0.0 7.4 11.2#
130 2.0 16.6 25.0#

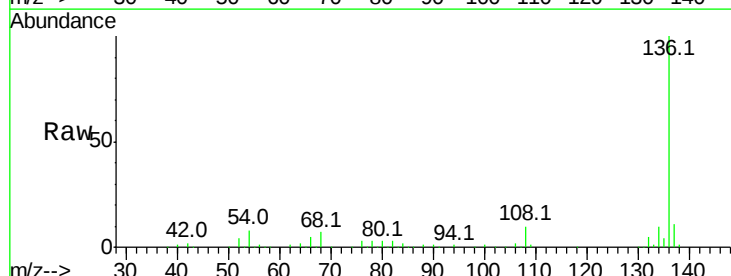


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

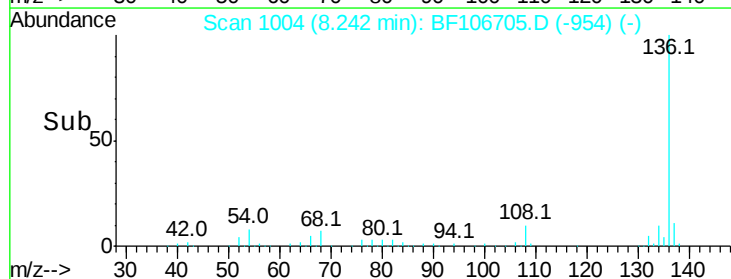
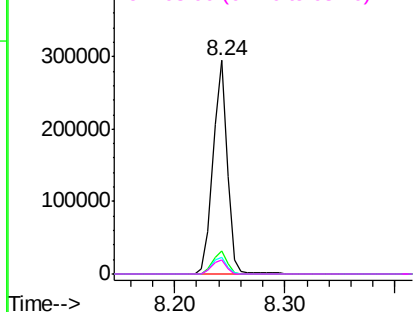


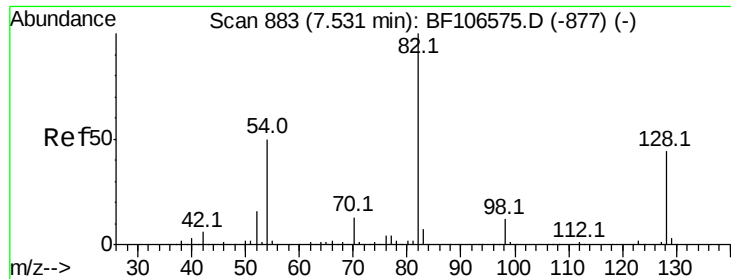
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF106705.D
Acq: 22 Jun 2018 13:30

Tgt Ion:136 Resp: 260620
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 7.7 6.6 9.8
68 6.7 5.0 7.4



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

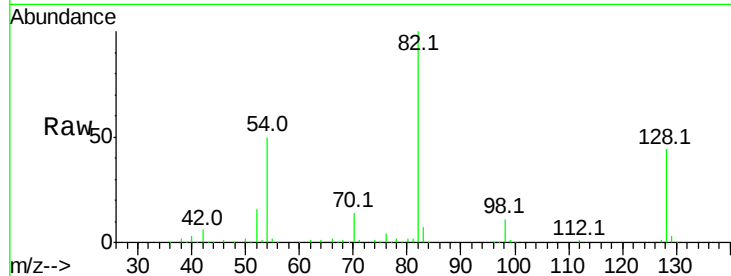




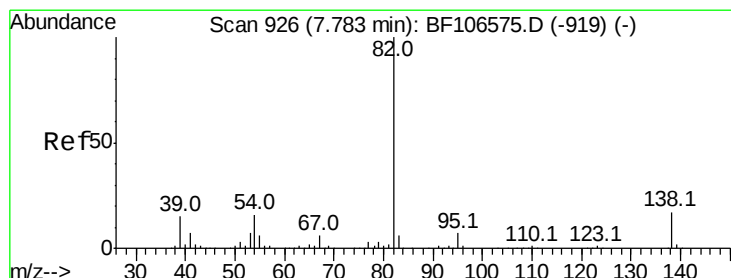
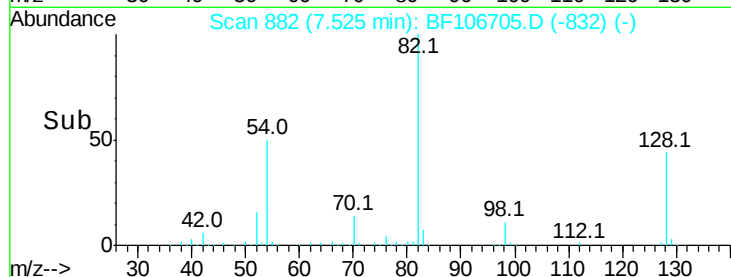
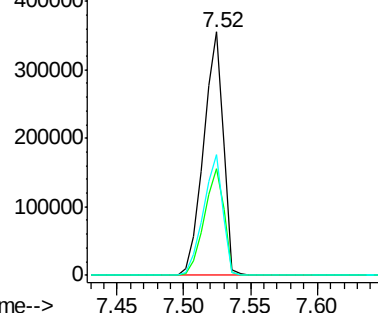
#23
Nitrobenzene-d5
Concen: 79.305 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF106705.D
Acq: 22 Jun 2018 13:30

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 371913
Ion Ratio Lower Upper
82 100
128 44.1 36.1 54.1
54 49.5 41.4 62.2

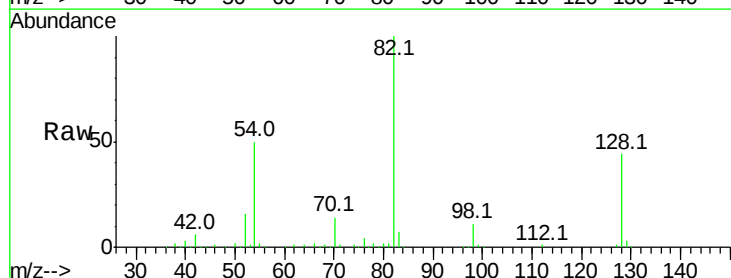


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

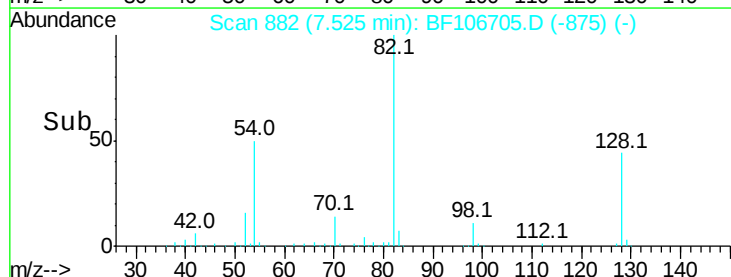
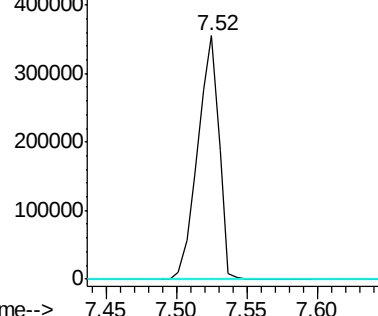


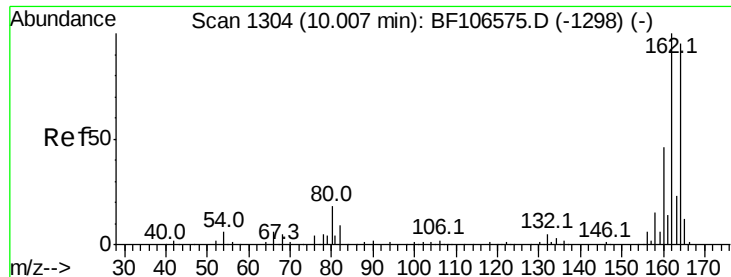
#25
Isophorone
Concen: 45.004 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.26 min
Lab File: BF106705.D
Acq: 22 Jun 2018 13:30

Tgt Ion: 82 Resp: 371907
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

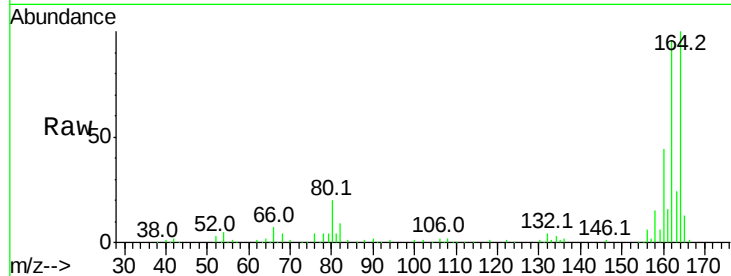




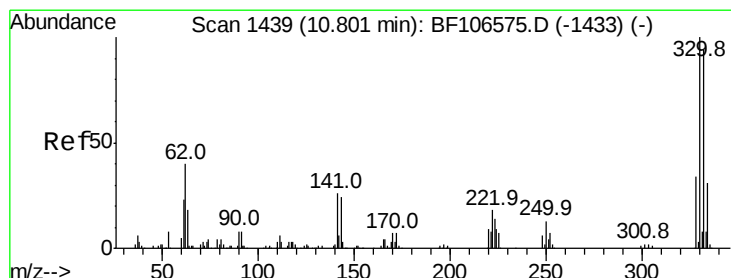
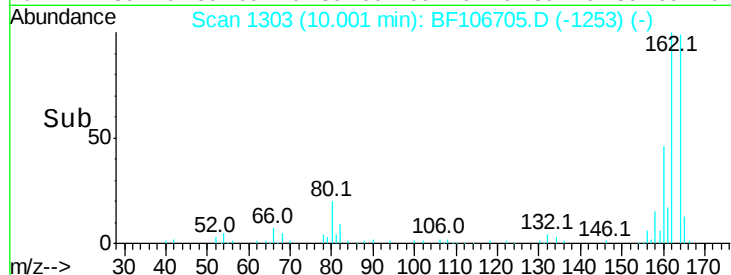
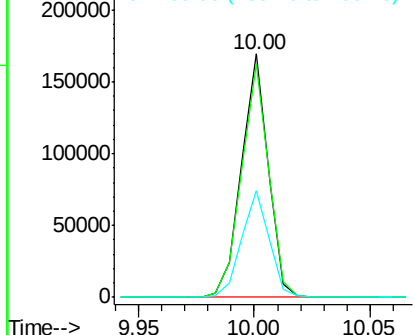
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF106705.D
Acq: 22 Jun 2018 13:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 137248
Ion Ratio Lower Upper
164 100
162 96.0 86.1 129.1
160 44.0 38.3 57.5

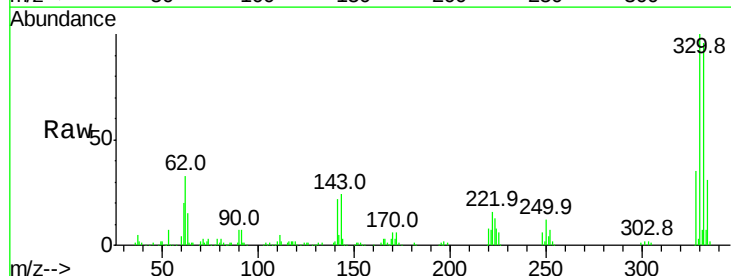


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

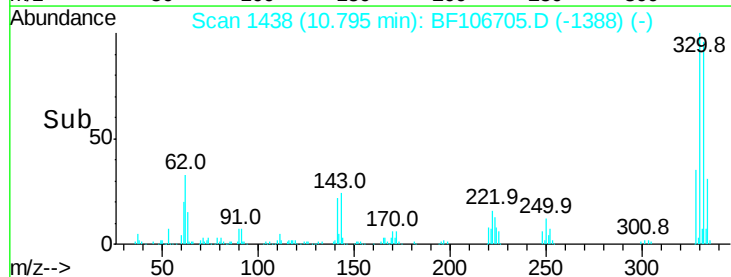
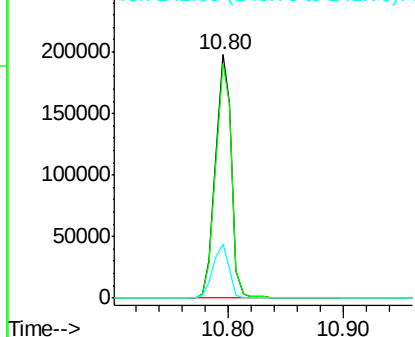


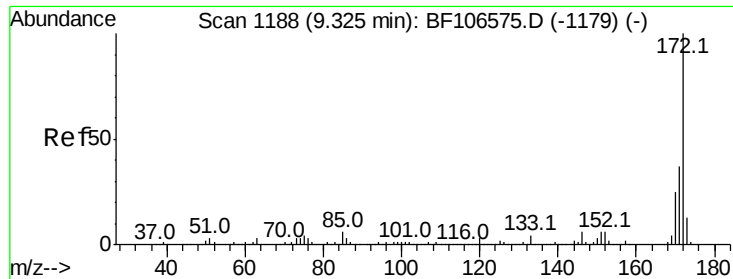
#41
2,4,6-Tribromophenol
Concen: 118.432 ng
RT: 10.80 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF106705.D
Acq: 22 Jun 2018 13:30

Tgt Ion:330 Resp: 188395
Ion Ratio Lower Upper
330 100
332 96.5 77.0 115.6
141 22.4 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



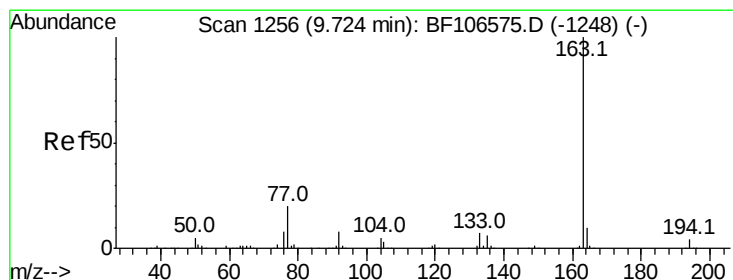
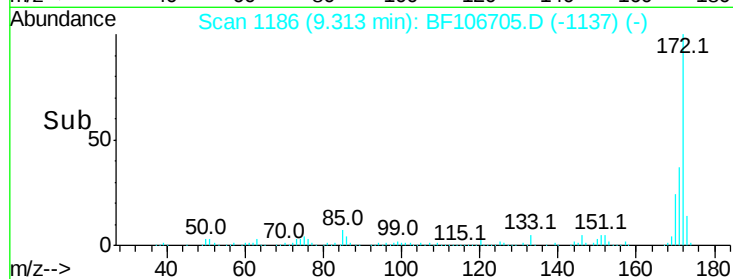
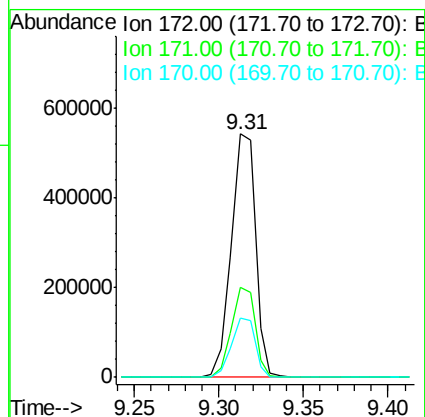
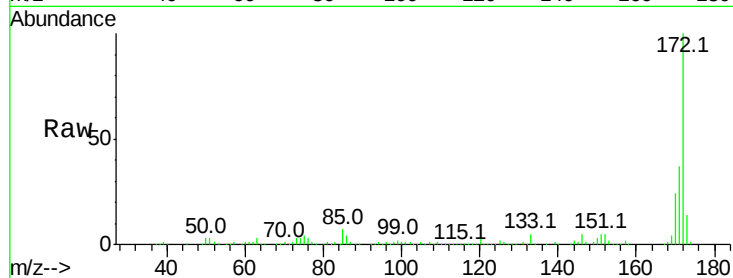


#44
 2-Fluorobiphenyl
 Concen: 63.111 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF106705.D
 Acq: 22 Jun 2018 13:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 542546

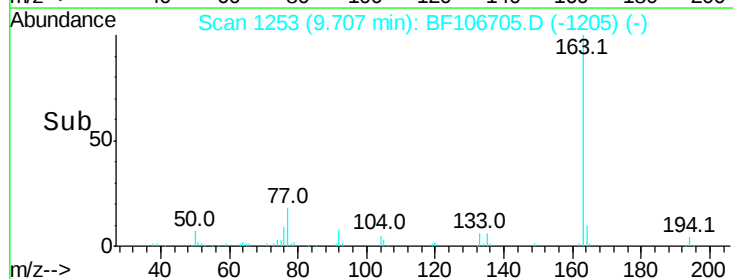
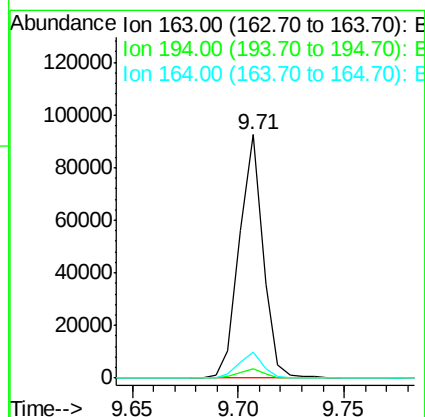
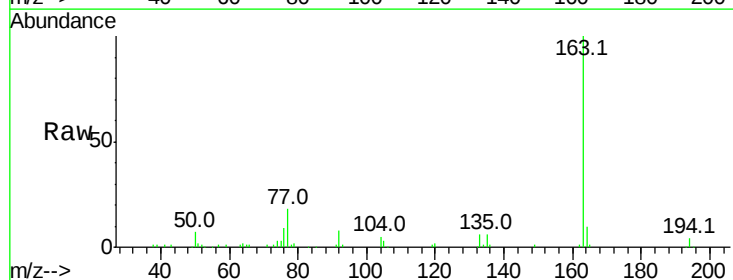
Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	24.3	19.6	29.4

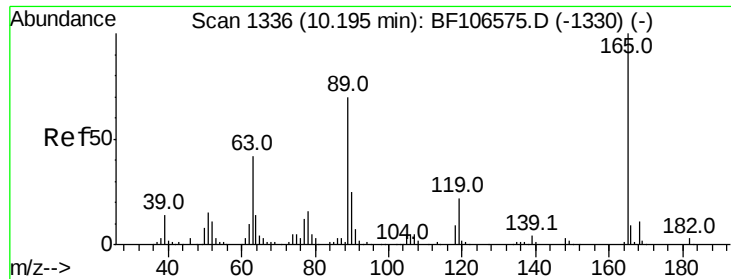


#49
 Dimethylphthalate
 Concen: 6.965 ng
 RT: 9.71 min Scan# 1253
 Delta R.T. -0.02 min
 Lab File: BF106705.D
 Acq: 22 Jun 2018 13:30

Tgt Ion:163 Resp: 71700

Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.7	4.1
164	10.5	8.2	12.2

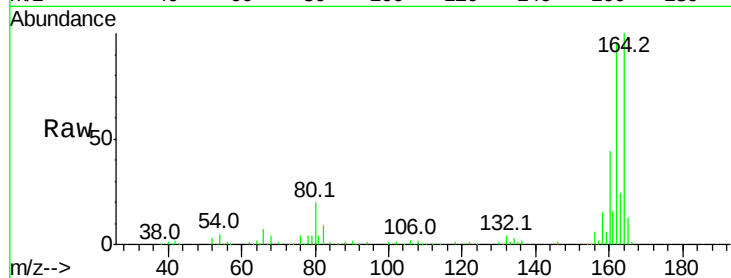




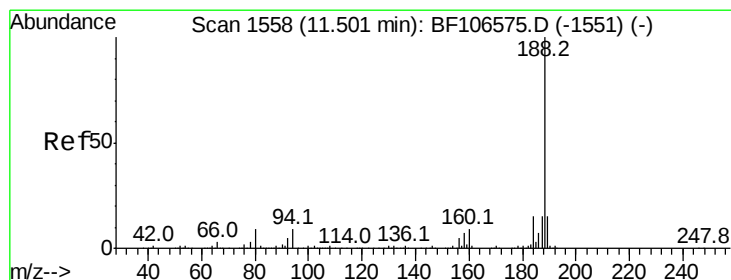
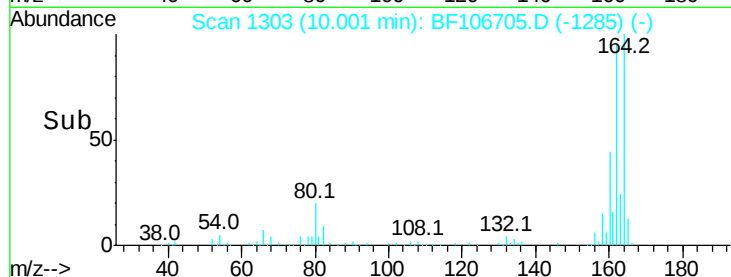
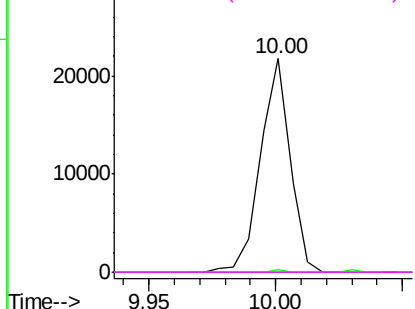
#56
2,4-Dinitrotoluene
Concen: 6.274 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.19 min
Lab File: BF106705.D
Acq: 22 Jun 2018 13:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 17851
Ion Ratio Lower Upper
165 100
63 1.4 36.4 54.6#
89 0.0 57.8 86.6#
182 0.0 1.6 2.4#

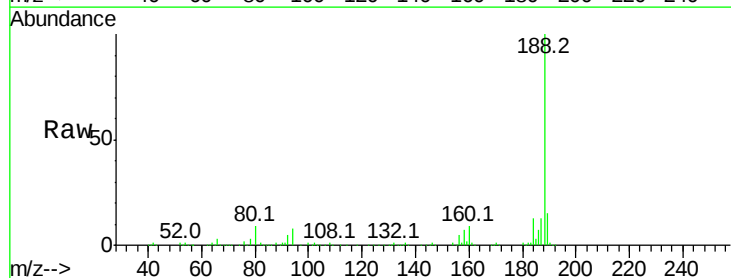


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

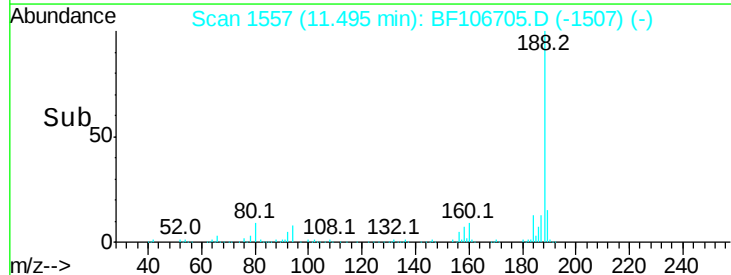
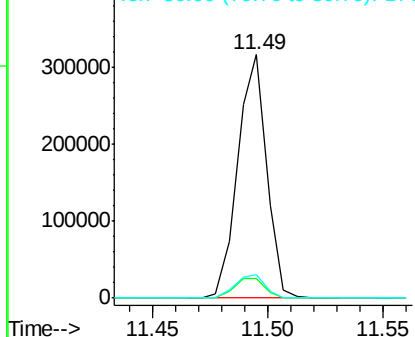


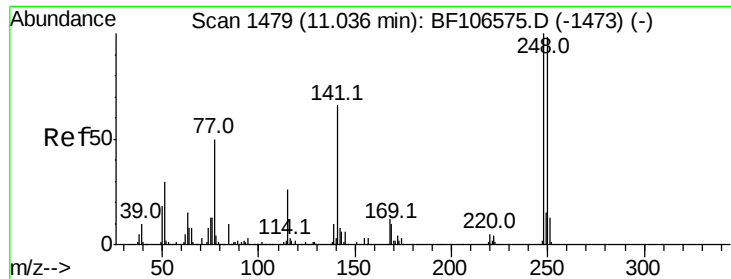
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF106705.D
Acq: 22 Jun 2018 13:30

Tgt Ion:188 Resp: 277134
Ion Ratio Lower Upper
188 100
94 8.3 8.5 12.7#
80 9.5 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

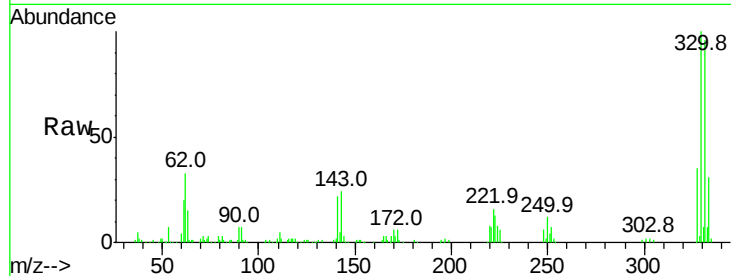




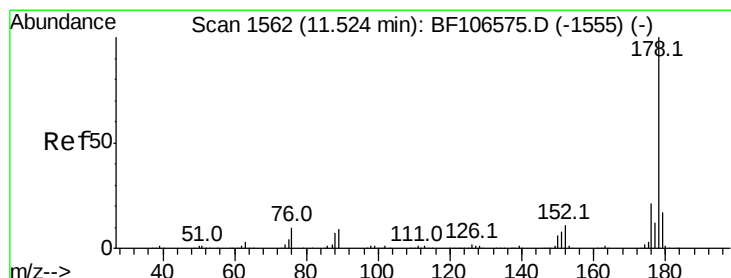
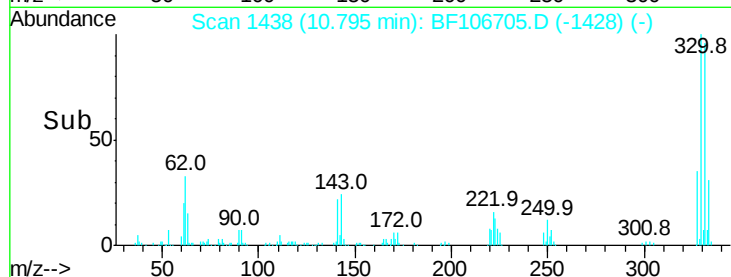
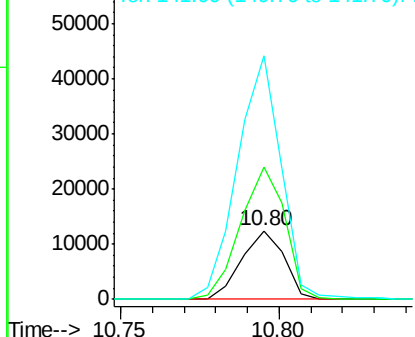
#66
 4-Bromophenyl-phenylether
 Concen: 3.512 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.24 min
 Lab File: BF106705.D
 Acq: 22 Jun 2018 13:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 11617
 Ion Ratio Lower Upper
 248 100
 250 193.3 76.9 115.3#
 141 354.7 74.4 111.6#

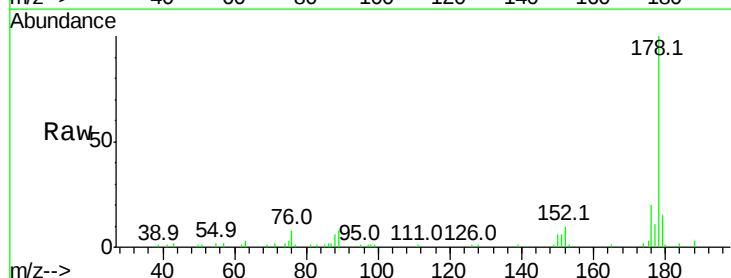


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

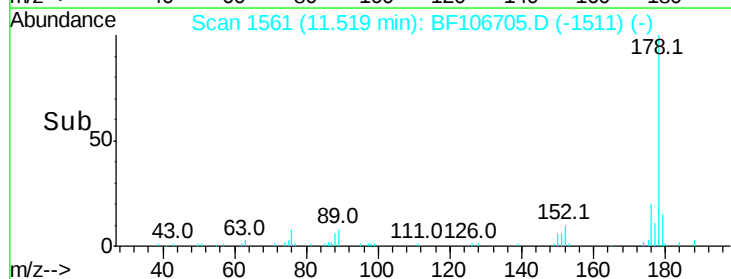
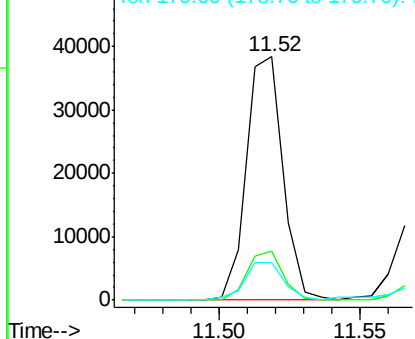


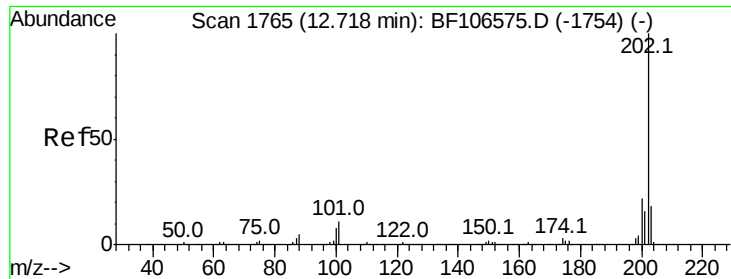
#70
 Phenanthrene
 Concen: 2.575 ng
 RT: 11.52 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: BF106705.D
 Acq: 22 Jun 2018 13:30

Tgt Ion:178 Resp: 34426
 Ion Ratio Lower Upper
 178 100
 176 20.1 15.8 23.8
 179 15.4 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





#74

Fluoranthene

Concen: 2.866 ng

RT: 12.71 min Scan# 1763

Delta R.T. -0.01 min

Lab File: BF106705.D

Acq: 22 Jun 2018 13:30

Instrument :

BNA_F

ClientSampleId :

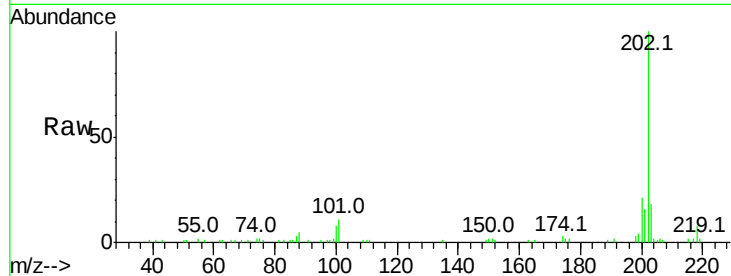
Tot Ion:202 Resp: 42217

Ion Ratio Lower Upper

202 100

101 11.4 0.0 34.1

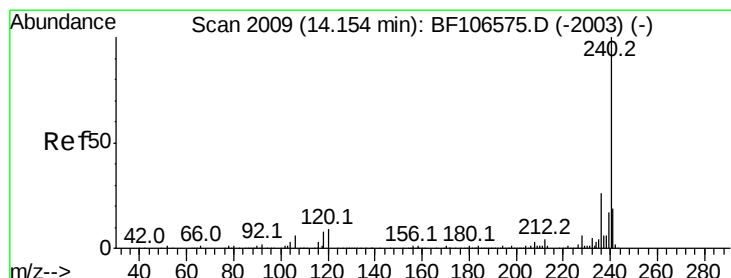
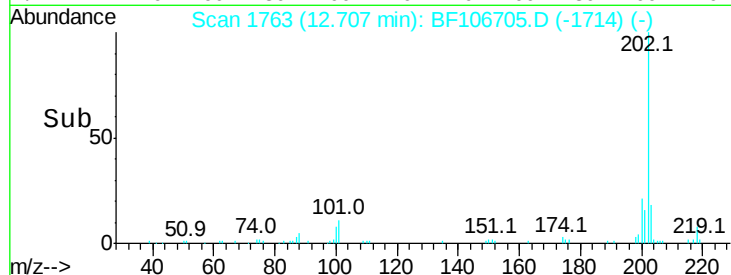
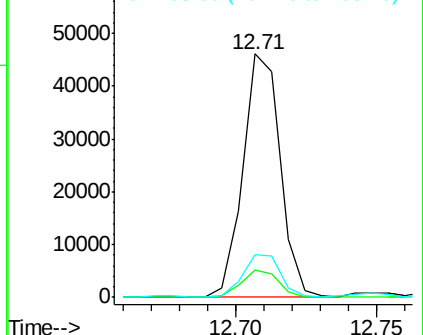
203 17.7 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF106705.D

Acq: 22 Jun 2018 13:30

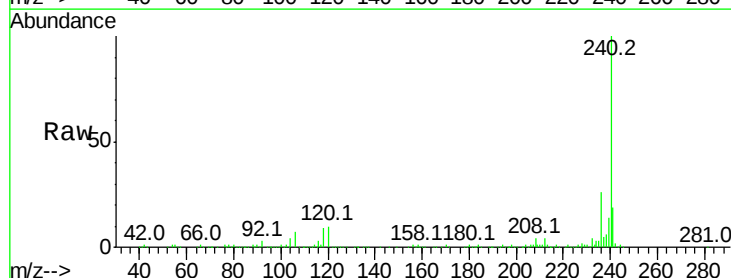
Tgt Ion:240 Resp: 214386

Ion Ratio Lower Upper

240 100

120 9.6 9.5 14.3

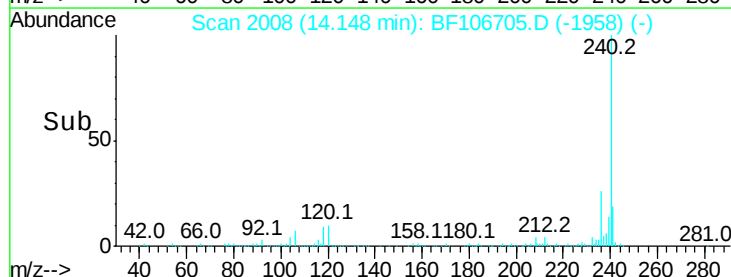
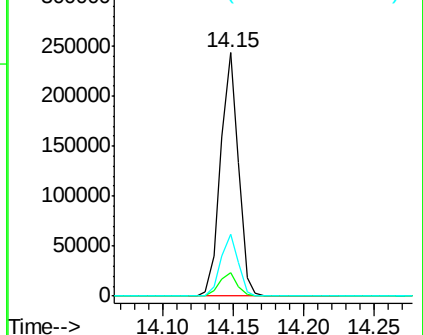
236 25.6 20.7 31.1

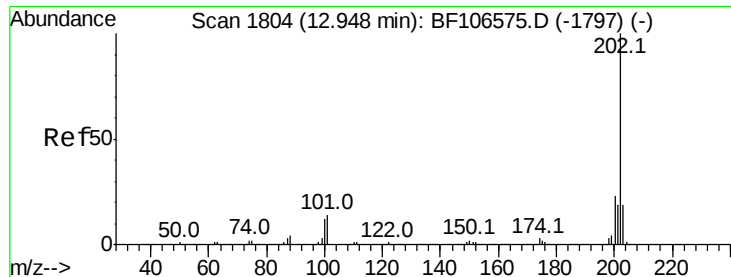


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.434 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF106705.D

Acq: 22 Jun 2018 13:30

Instrument :

BNA_F

ClientSampleId :

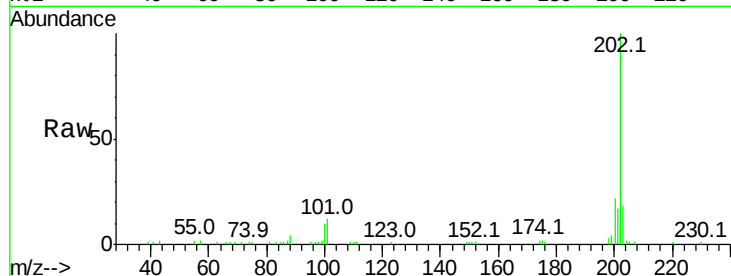
Tot Ion:202 Resp: 48549

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

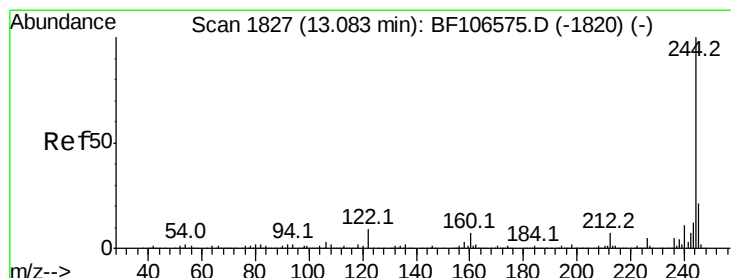
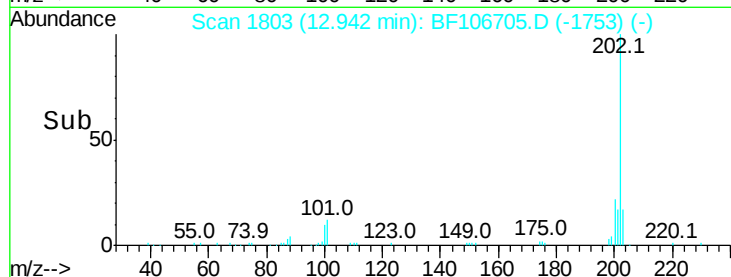
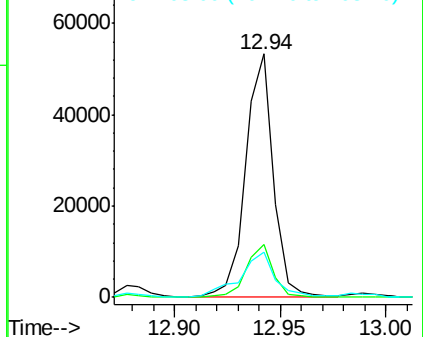
203 18.4 14.3 21.5



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: 64.267 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF106705.D

Acq: 22 Jun 2018 13:30

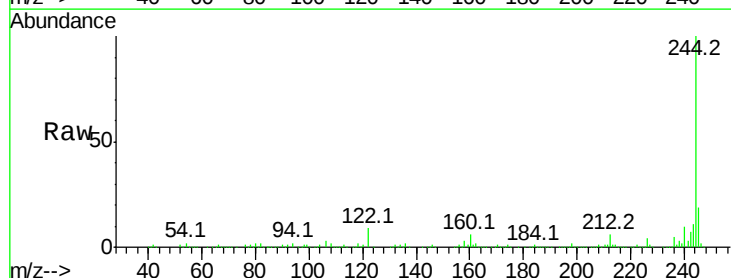
Tgt Ion:244 Resp: 568796

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

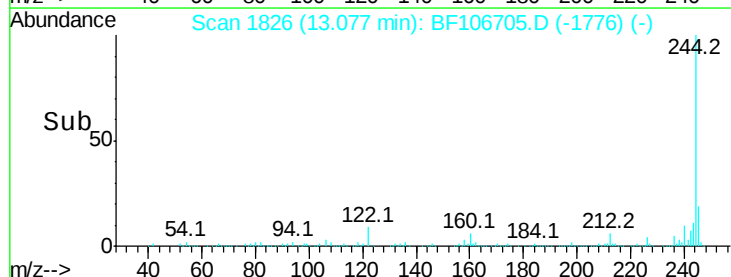
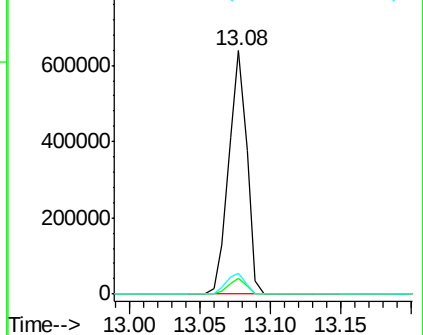
122 8.6 11.0 16.4#

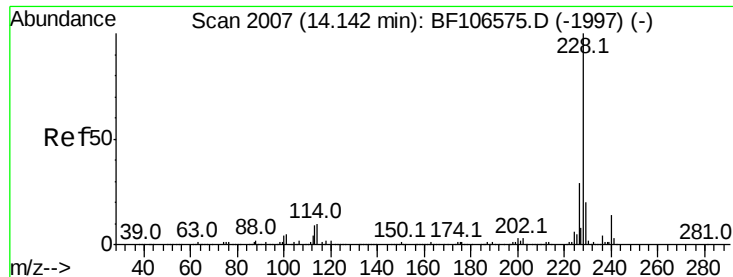


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

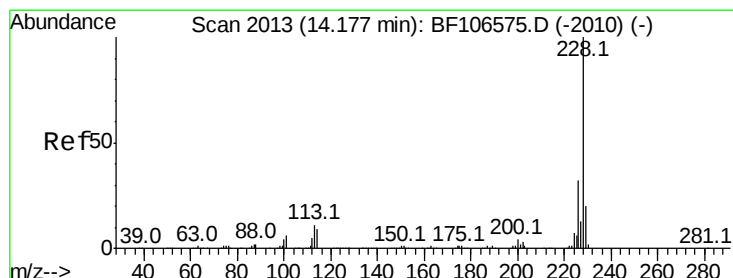
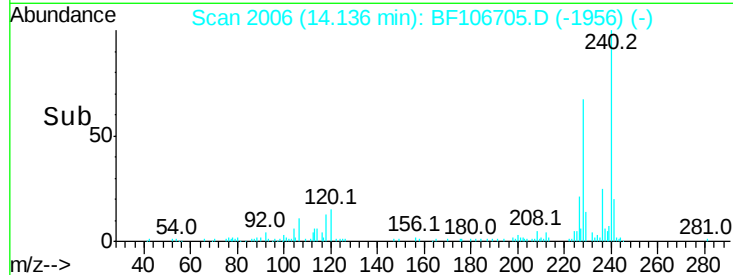
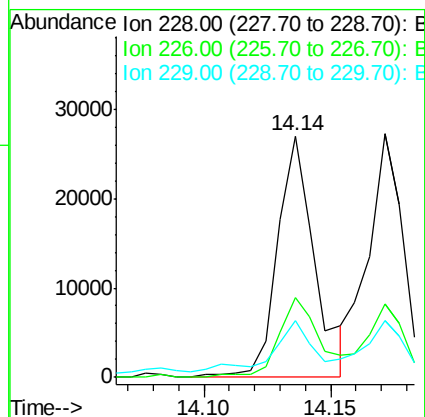
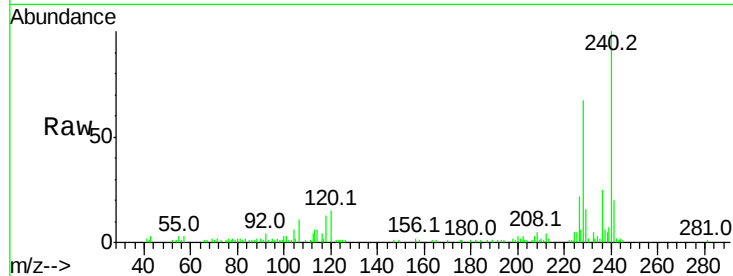




#80
Benzo(a)anthracene
Concen: 2.126 ng
RT: 14.14 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF106705.D
Acq: 22 Jun 2018 13:30

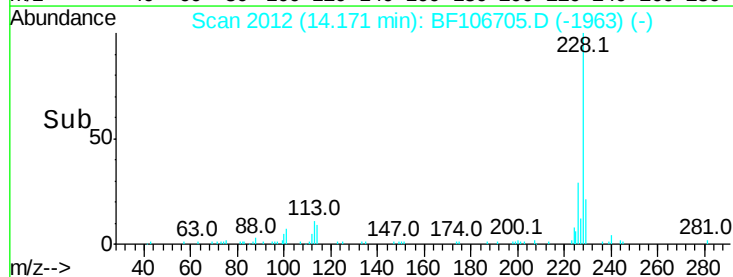
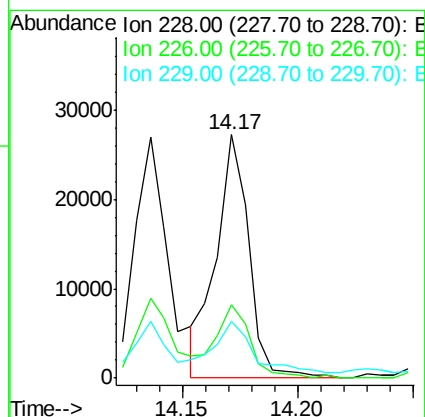
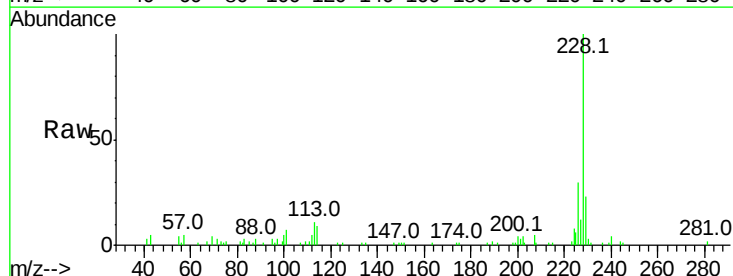
Instrument :
BNA_F
ClientSampleId :

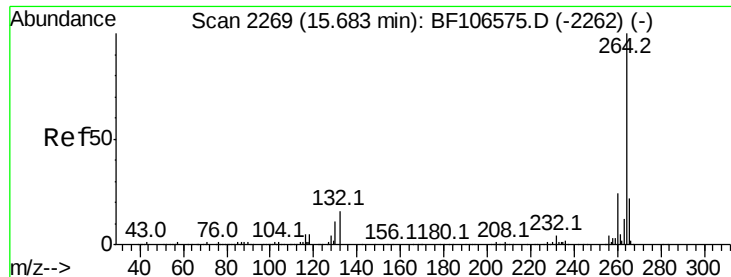
Tot Ion:228 Resp: 27777
Ion Ratio Lower Upper
228 100
226 32.9 22.6 33.8
229 23.6 15.8 23.6



#82
Chrysene
Concen: 2.227 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF106705.D
Acq: 22 Jun 2018 13:30

Tgt Ion:228 Resp: 26776
Ion Ratio Lower Upper
228 100
226 30.1 25.0 37.6
229 23.4 16.2 24.4

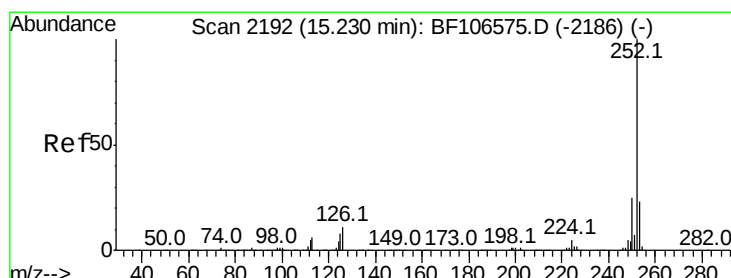
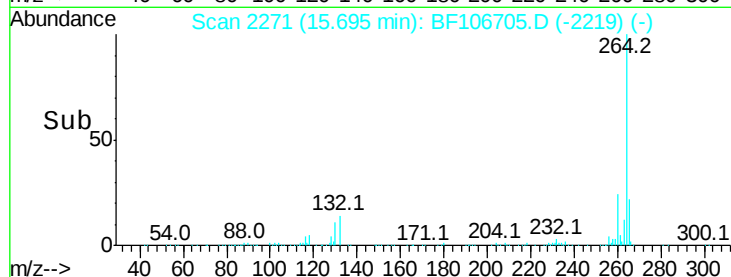
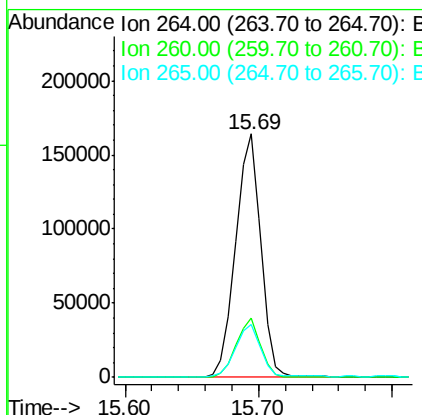
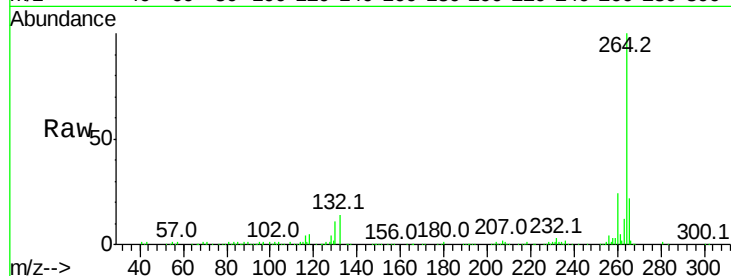




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF106705.D
Acq: 22 Jun 2018 13:30

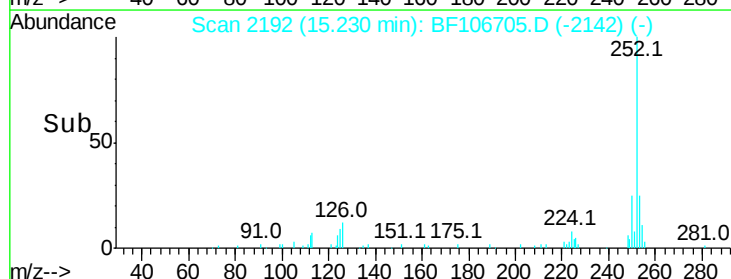
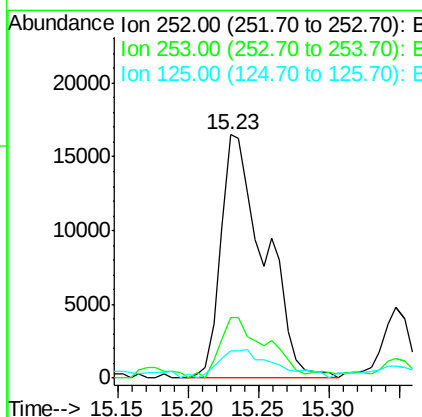
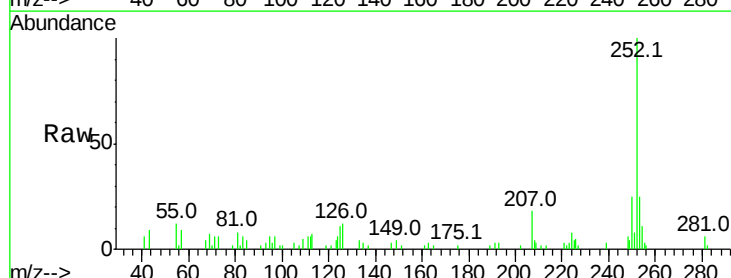
Instrument :
BNA_F
ClientSampleId :

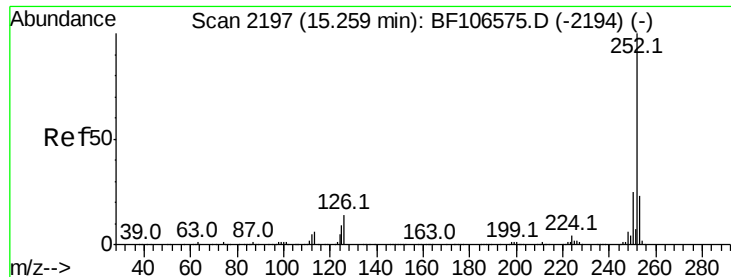
Tot Ion:264 Resp: 216373
Ion Ratio Lower Upper
264 100
260 24.3 19.2 28.8
265 21.5 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 2.647 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BF106705.D
Acq: 22 Jun 2018 13:30

Tgt Ion:252 Resp: 35573
Ion Ratio Lower Upper
252 100
253 24.8 17.0 25.6
125 11.3 9.0 13.6





#88

Benzo(k)fluoranthene

Concen: 2.779 ng

RT: 15.23 min Scan# 2192

Delta R.T. -0.04 min

Lab File: BF106705.D

Acq: 22 Jun 2018 13:30

Instrument :

BNA_F

ClientSampleId :

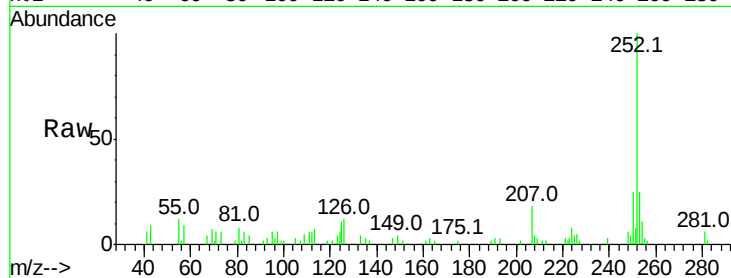
Tot Ion:252 Resp: 35573

Ion Ratio Lower Upper

252 100

253 24.8 17.9 26.9

125 11.3 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

