

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062118\
 Data File : BF106660.D
 Acq On : 21 Jun 2018 14:32
 Operator : JU/SJ
 Sample : J3584-15
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-S

Quant Time: Jun 21 15:15:53 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 19 14:32:09 2018
 Response via : Initial Calibration

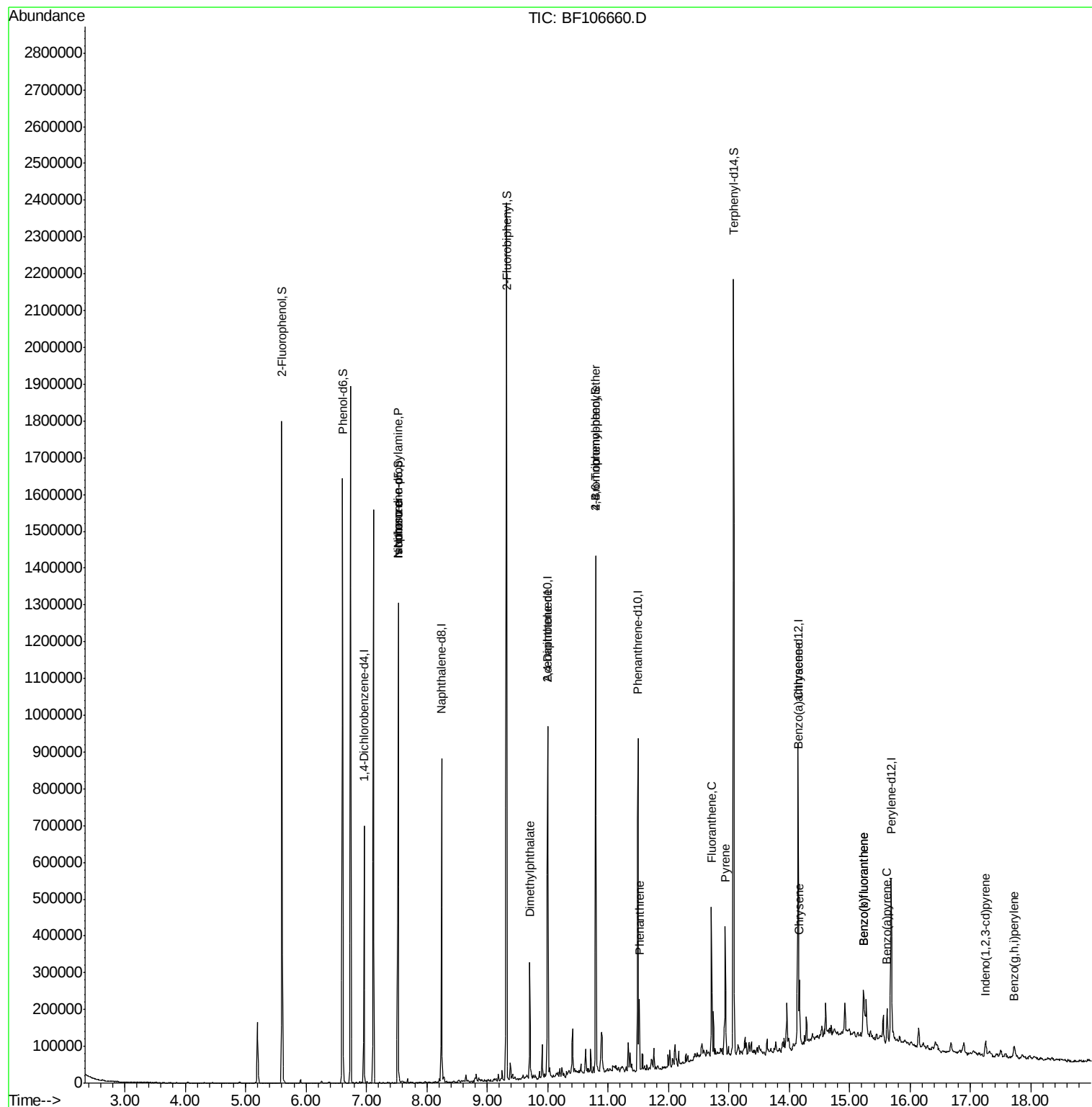
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	95690	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	369410	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	184408	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	314496	20.00	ng	0.00
75) Chrysene-d12	14.15	240	264552	20.00	ng	0.00
86) Perylene-d12	15.69	264	205984	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	493530	87.33	ng	0.00
7) Phenol-d6	6.61	99	635147	90.00	ng	0.00
23) Nitrobenzene-d5	7.52	82	422530	63.56	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	189869	88.83	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	743925	64.77	ng	0.00
78) Terphenyl-d14	13.08	244	749781	68.65	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.52	70	55337	11.896	ng	Qvalue # 74
25) Isophorone	7.52	82	422528	36.072	ng	# 64
49) Dimethylphthalate	9.71	163	101298	7.324	ng	# 98
56) 2,4-Dinitrotoluene	10.00	165	23890	6.249	ng	# 24
66) 4-Bromophenyl-phenylether	10.79	248	11497	3.063	ng	# 1
70) Phenanthrene	11.52	178	69328	4.570	ng	98
74) Fluoranthene	12.71	202	142902	8.547	ng	94
77) Pyrene	12.94	202	130985	7.508	ng	99
80) Benzo(a)anthracene	14.14	228	69148	4.289	ng	98
82) Chrysene	14.17	228	61107	4.119	ng	97
85) Indeno(1,2,3-cd)pyrene	17.25	276	28029	2.227	ng	# 86
87) Benzo(b)fluoranthene	15.23	252	95497	7.463	ng	96
88) Benzo(k)fluoranthene	15.23	252	95497	7.837	ng	98
89) Benzo(a)pyrene	15.62	252	45309	3.983	ng	95
91) Benzo(g,h,i)perylene	17.72	276	27373	2.905	ng	# 91

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

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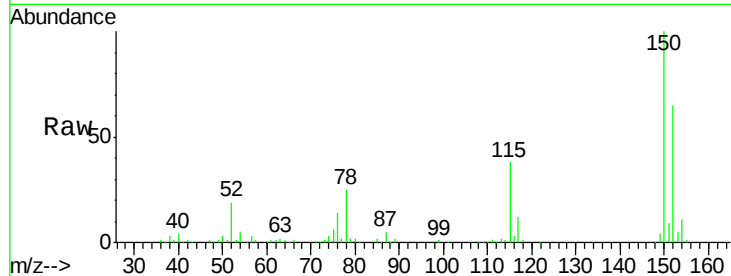


#1

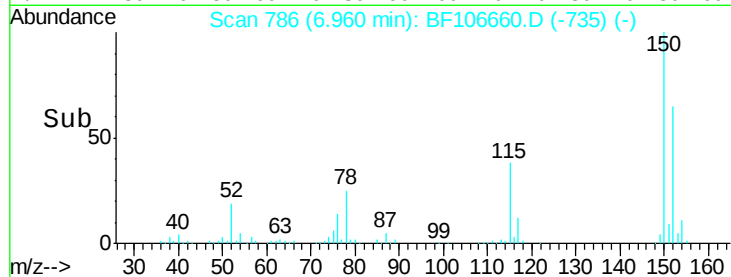
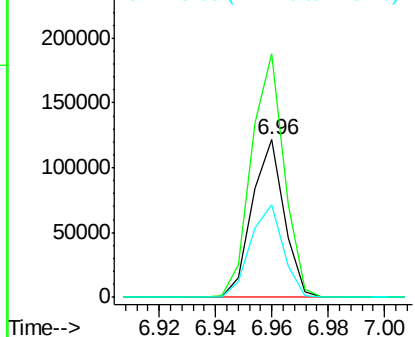
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF106660.D
Acq: 21 Jun 2018 14:32

Instrument :
BNA_F
ClientSampled :
TP-2-S

Tgt Ion:152 Resp: 95690
Ion Ratio Lower Upper
152 100
150 154.8 124.6 186.8
115 59.1 50.1 75.1



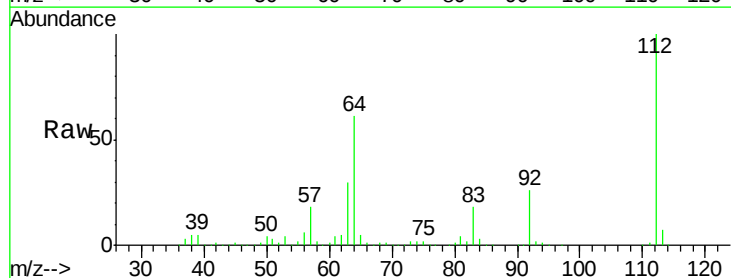
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



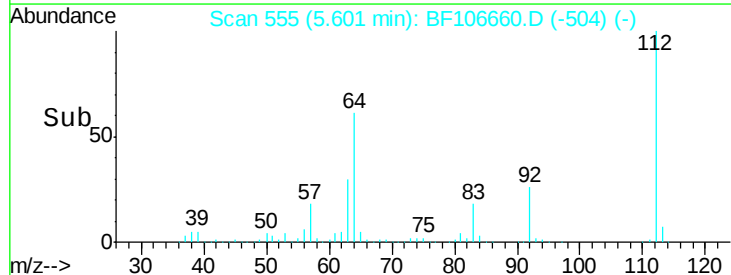
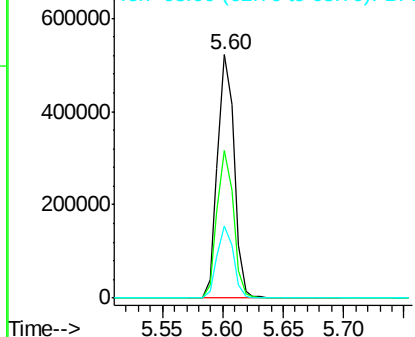
#5

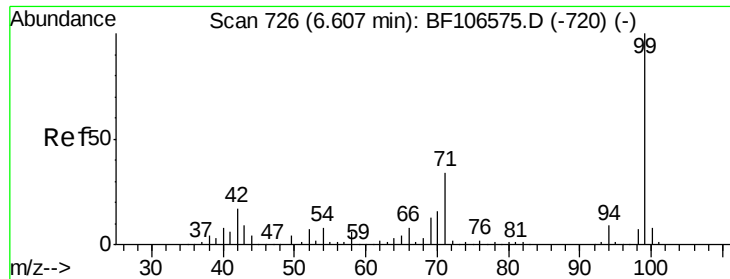
2-Fluorophenol
Concen: 87.334 ng
RT: 5.60 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF106660.D
Acq: 21 Jun 2018 14:32

Tgt Ion:112 Resp: 493530
Ion Ratio Lower Upper
112 100
64 60.9 47.9 71.9
63 29.8 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: 90.002 ng

RT: 6.61 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF106660.D

Acq: 21 Jun 2018 14:32

Instrument :

BNA_F

ClientSampleId :

TP-2-S

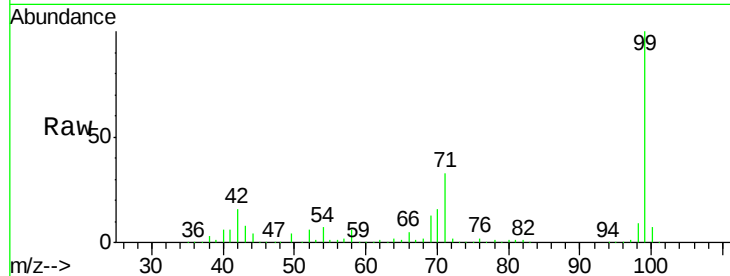
Tgt Ion: 99 Resp: 635147

Ion Ratio Lower Upper

99 100

42 15.9 14.5 21.7

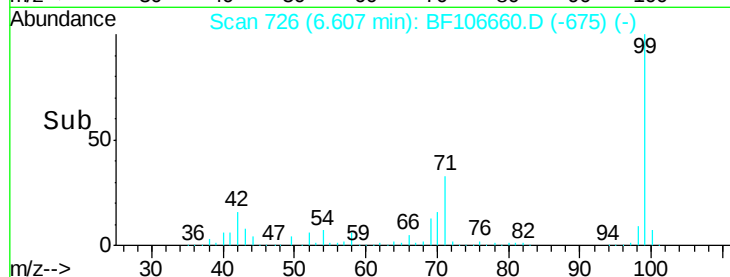
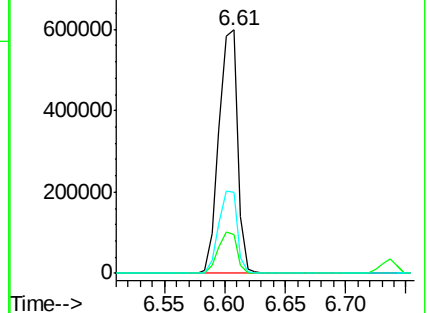
71 33.4 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 11.896 ng

RT: 7.52 min Scan# 882

Delta R.T. 0.15 min

Lab File: BF106660.D

Acq: 21 Jun 2018 14:32

Tgt Ion: 70 Resp: 55337

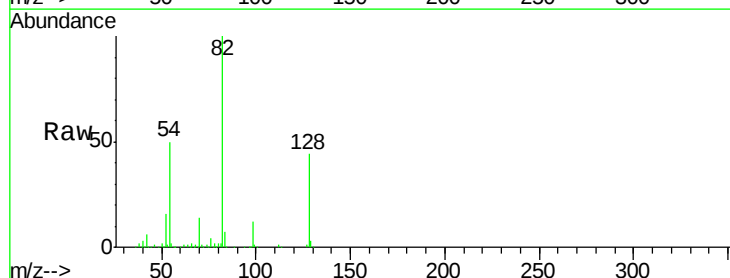
Ion Ratio Lower Upper

70 100

42 43.4 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

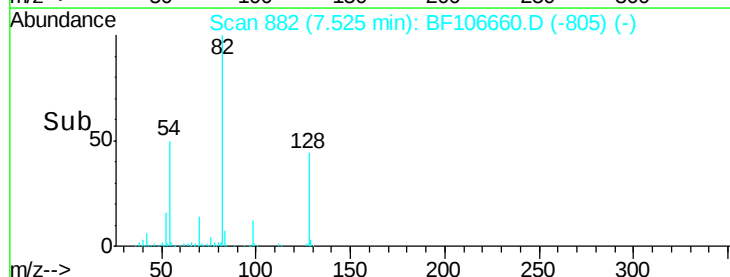
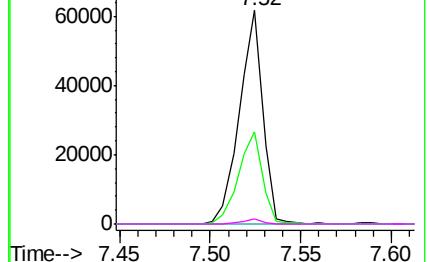


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

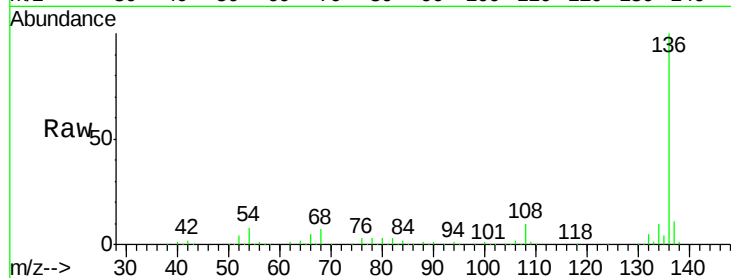




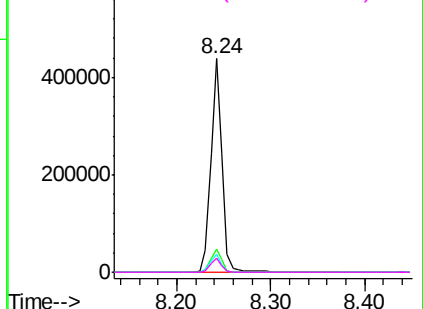
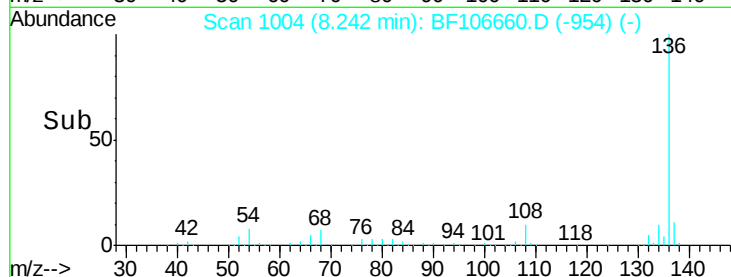
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF106660.D
Acq: 21 Jun 2018 14:32

Instrument :
BNA_F
ClientSampleId :
TP-2-S

Tgt Ion:	136	Resp:	369410
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	8.3	6.6	9.8
68	6.7	5.0	7.4

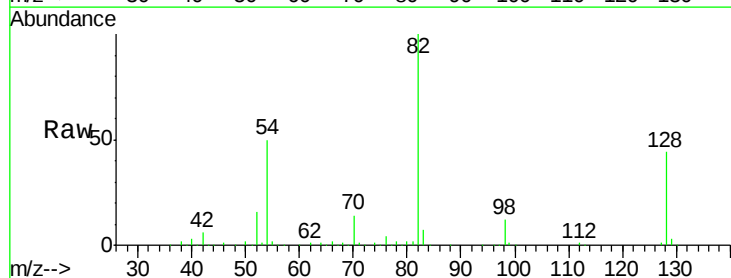


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

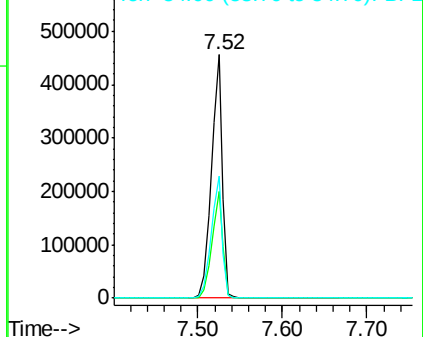
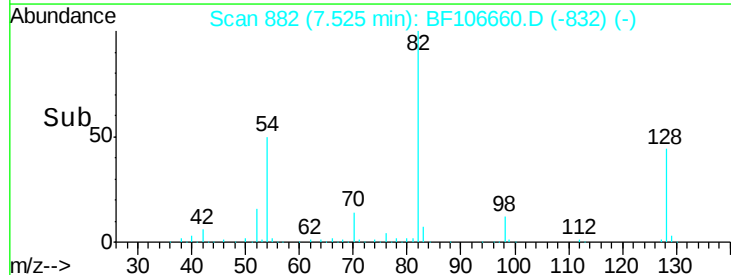


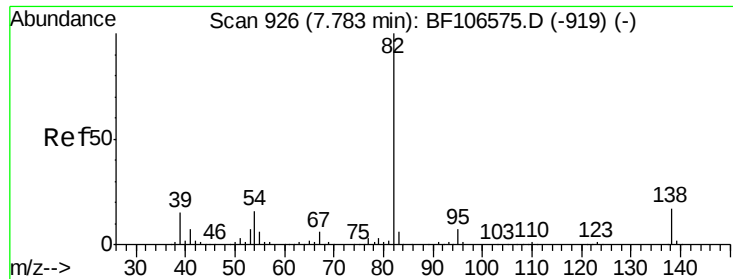
#23
Nitrobenzene-d5
Concen: 63.565 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF106660.D
Acq: 21 Jun 2018 14:32

Tgt Ion:	82	Resp:	422530
Ion	Ratio	Lower	Upper
82	100		
128	44.0	36.1	54.1
54	49.9	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

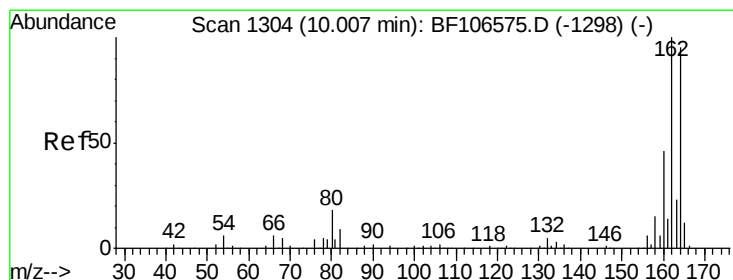
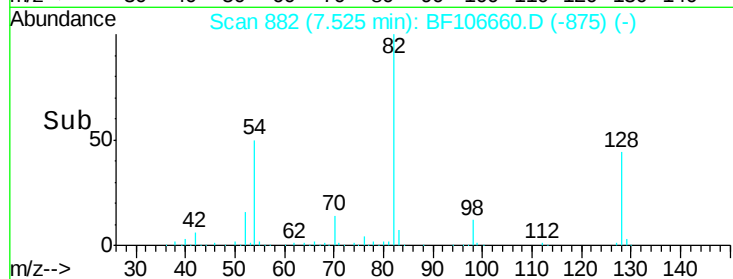
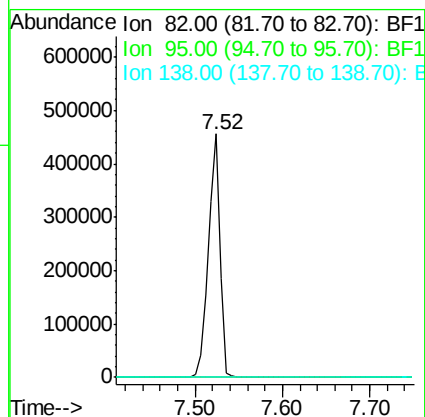
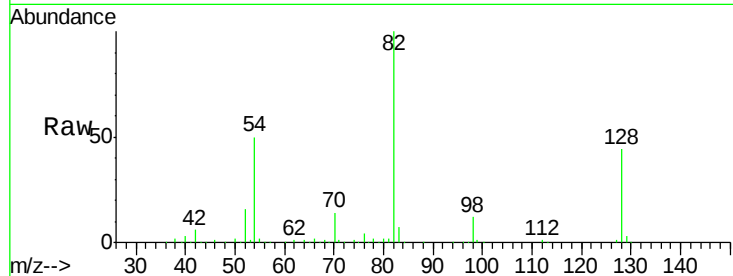




#25
Isophorone
Concen: 36.072 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.26 min
Lab File: BF106660.D
Acq: 21 Jun 2018 14:32

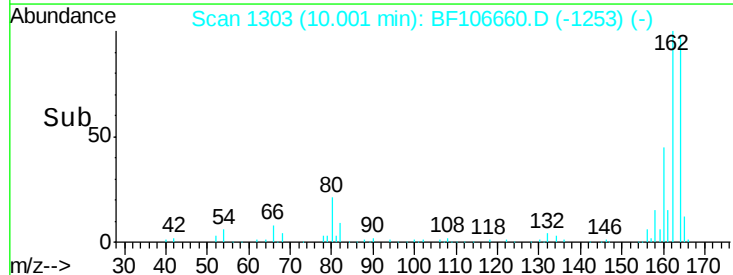
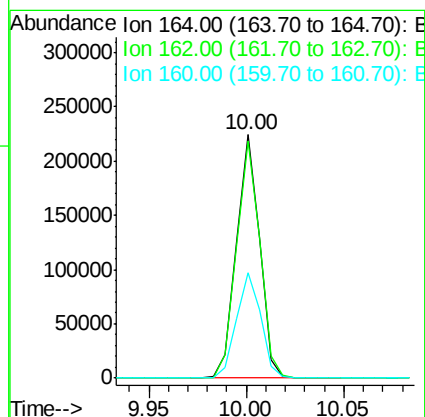
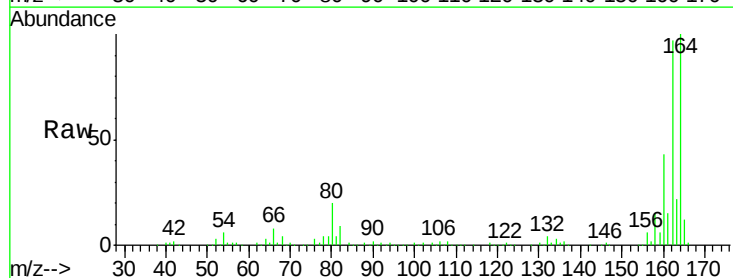
Instrument :
BNA_F
ClientSampleId :
TP-2-S

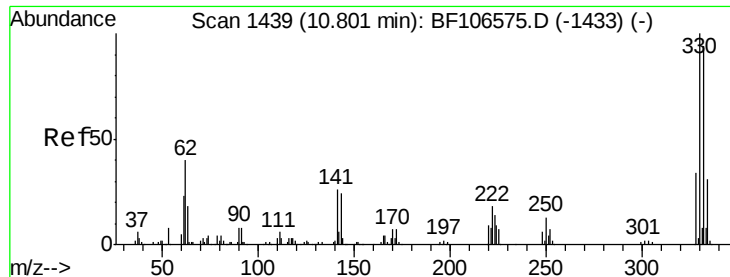
Tgt Ion: 82 Resp: 422528
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF106660.D
Acq: 21 Jun 2018 14:32

Tgt Ion: 164 Resp: 184408
Ion Ratio Lower Upper
164 100
162 97.2 86.1 129.1
160 43.3 38.3 57.5

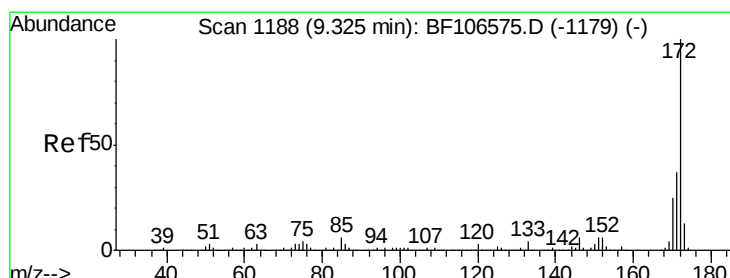
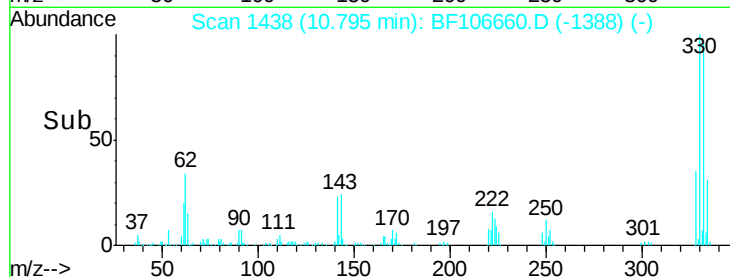
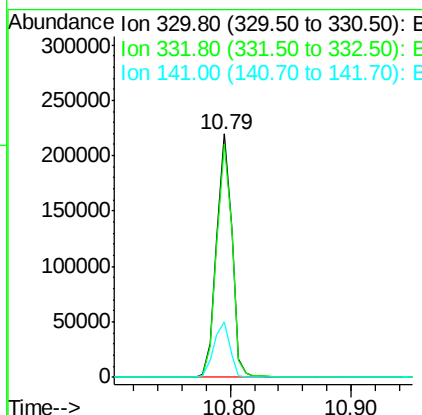
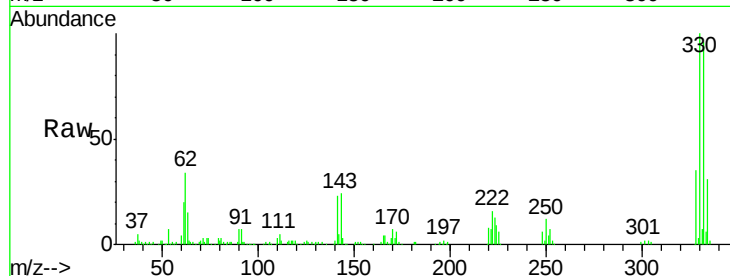




#41
 2,4,6-Tribromophenol
 Concen: 88.834 ng
 RT: 10.79 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF106660.D
 Acq: 21 Jun 2018 14:32

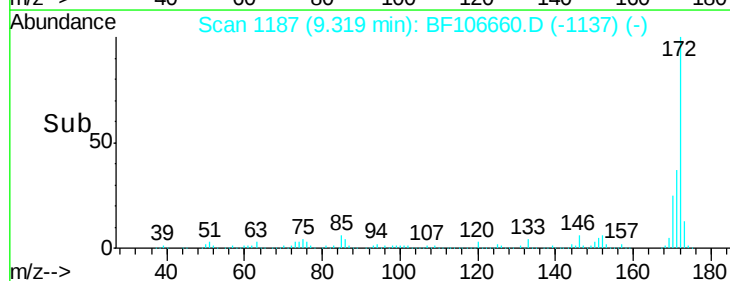
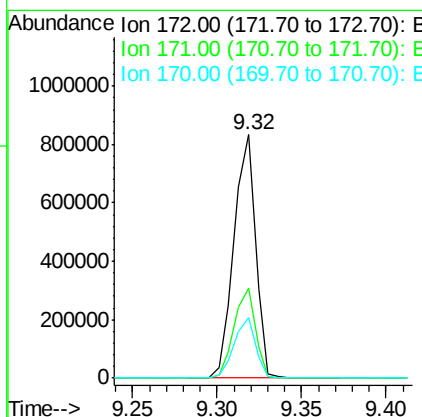
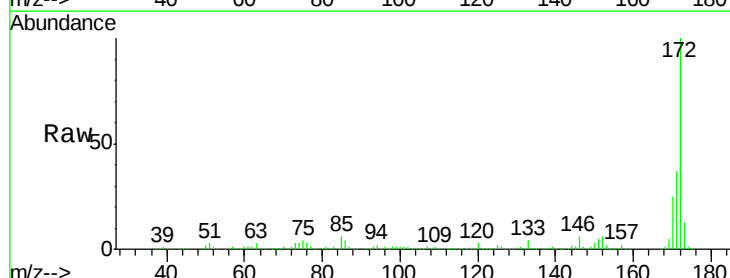
Instrument :
 BNA_F
 ClientSampleId :
 TP-2-S

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	24.4	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 64.772 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF106660.D
 Acq: 21 Jun 2018 14:32

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.7	44.5
170	24.8	19.6	29.4

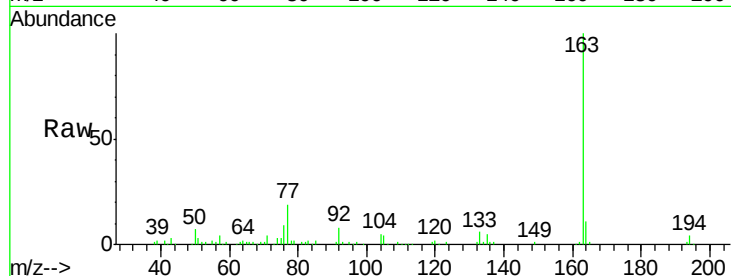




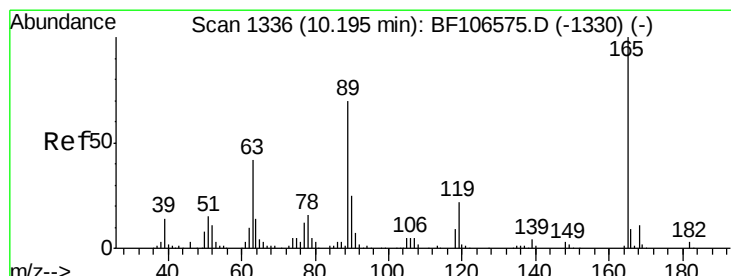
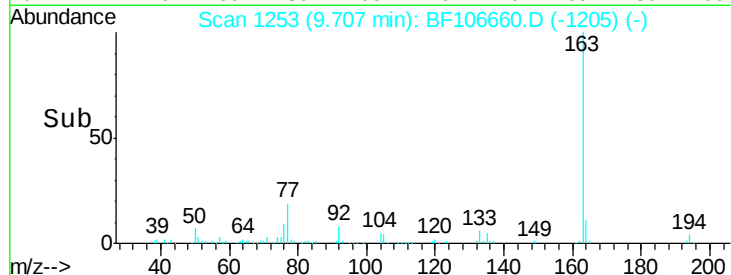
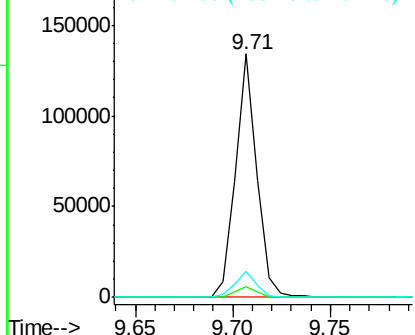
#49
Dimethylphthalate
Concen: 7.324 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF106660.D
Acq: 21 Jun 2018 14:32

Instrument :
BNA_F
ClientSampleId :
TP-2-S

Tgt Ion:163 Resp: 101298
Ion Ratio Lower Upper
163 100
194 4.2 2.7 4.1#
164 10.9 8.2 12.2

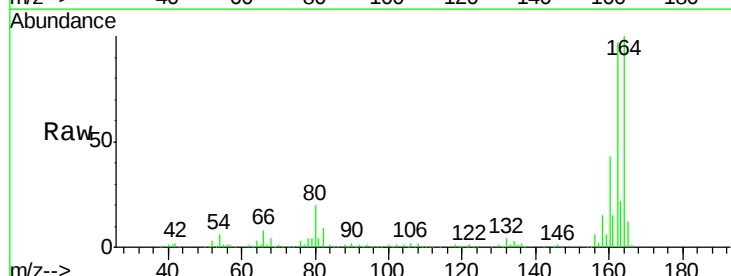


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

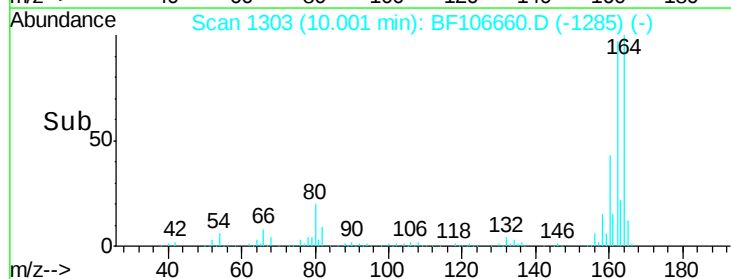
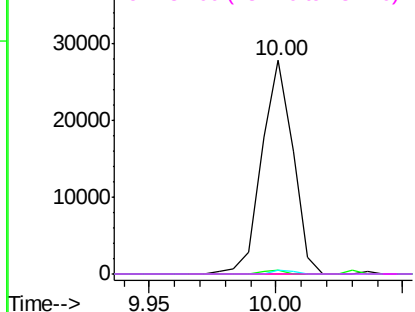


#56
2,4-Dinitrotoluene
Concen: 6.249 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.19 min
Lab File: BF106660.D
Acq: 21 Jun 2018 14:32

Tgt Ion:165 Resp: 23890
Ion Ratio Lower Upper
165 100
63 1.6 36.4 54.6#
89 1.7 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

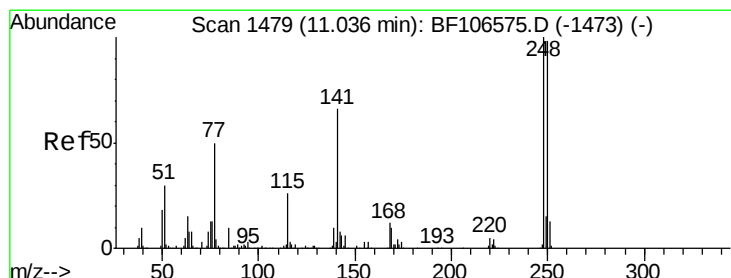
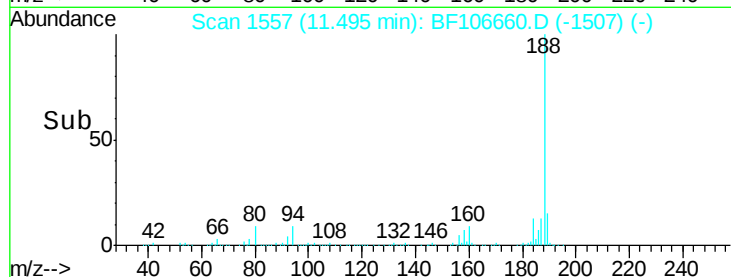
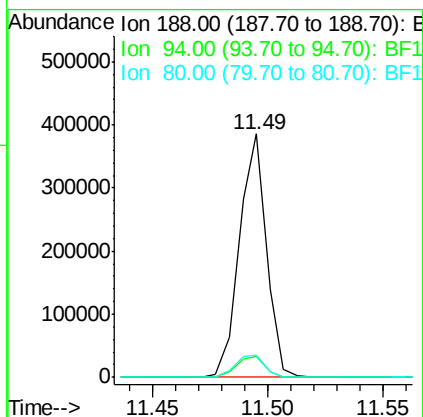
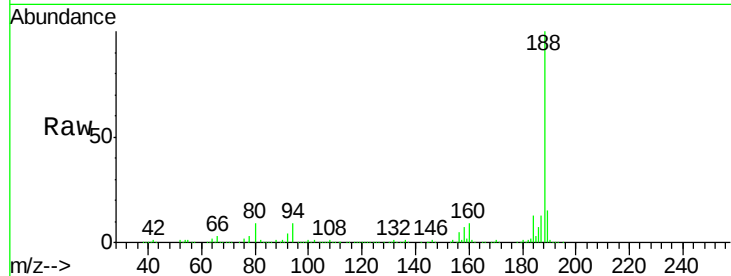




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF106660.D
Acq: 21 Jun 2018 14:32

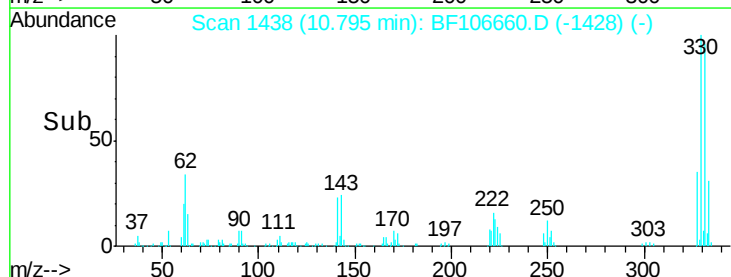
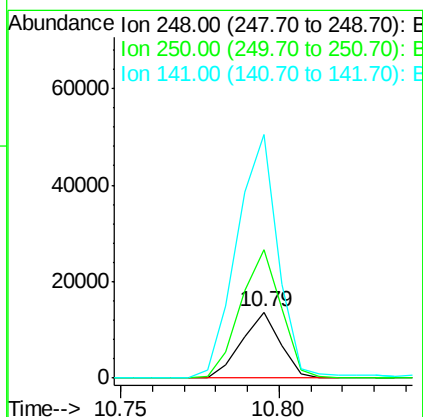
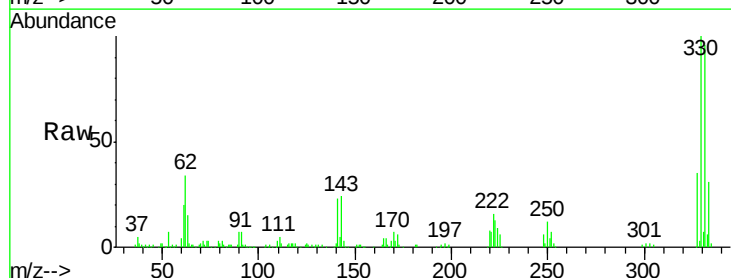
Instrument :
BNA_F
ClientSampleId :
TP-2-S

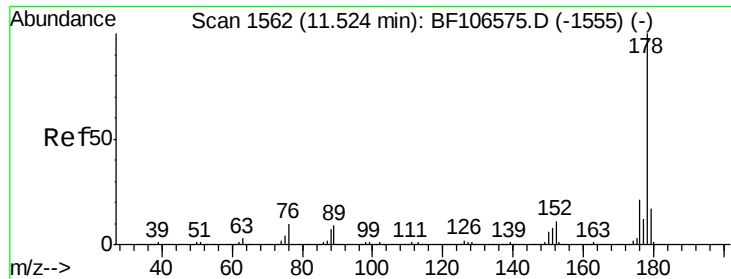
Tgt Ion:188 Resp: 314496
Ion Ratio Lower Upper
188 100
94 8.6 8.5 12.7
80 9.0 9.2 13.8#



#66
4-Bromophenyl-phenylether
Concen: 3.063 ng
RT: 10.79 min Scan# 1438
Delta R.T. -0.24 min
Lab File: BF106660.D
Acq: 21 Jun 2018 14:32

Tgt Ion:248 Resp: 11497
Ion Ratio Lower Upper
248 100
250 194.4 76.9 115.3#
141 369.7 74.4 111.6#

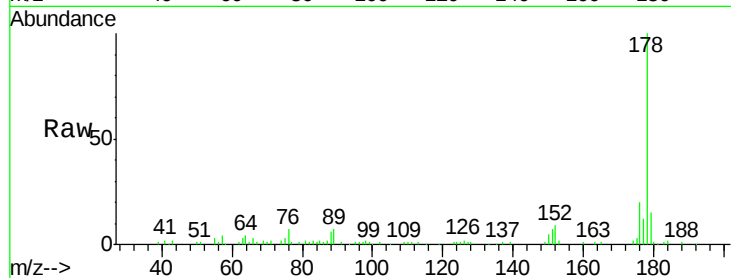




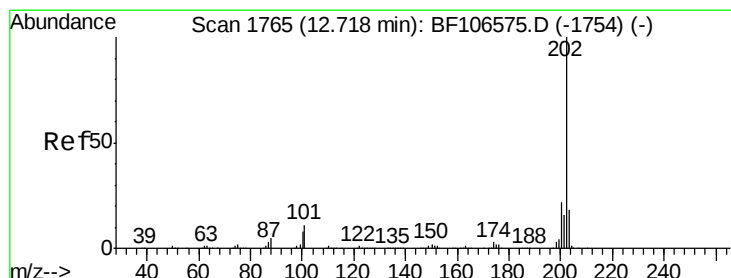
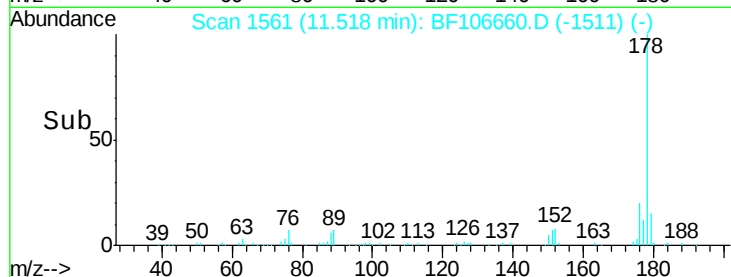
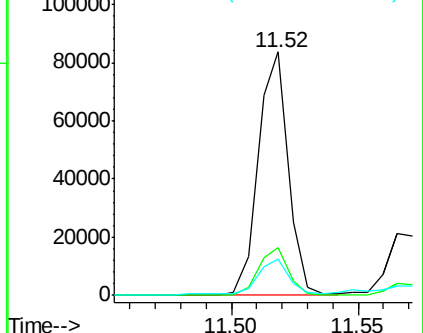
#70
Phenanthrene
Concen: 4.570 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF106660.D
Acq: 21 Jun 2018 14:32

Instrument :
BNA_F
ClientSampled :
TP-2-S

Tgt Ion:178 Resp: 69328
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 15.2 13.0 19.6

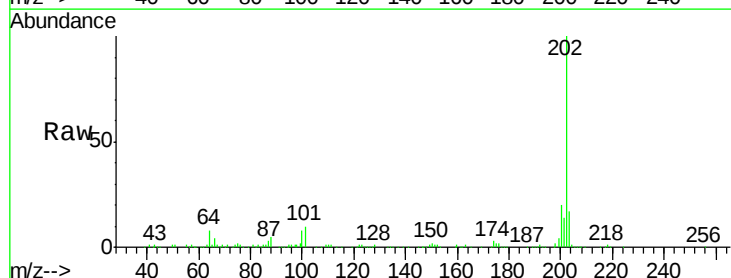


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

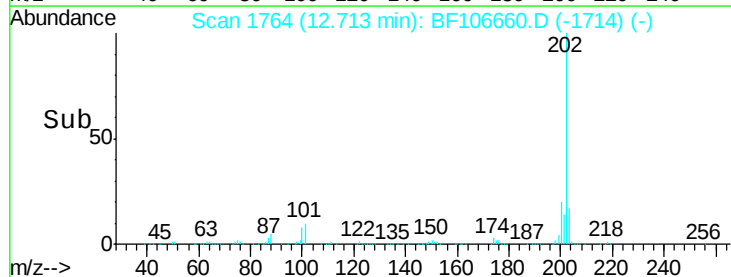
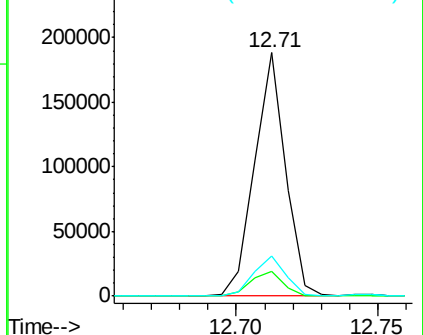


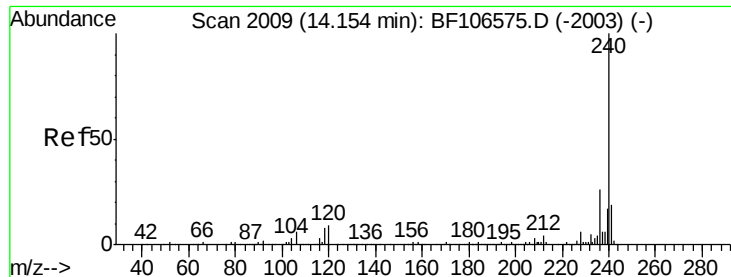
#74
Fluoranthene
Concen: 8.547 ng
RT: 12.71 min Scan# 1764
Delta R.T. -0.01 min
Lab File: BF106660.D
Acq: 21 Jun 2018 14:32

Tgt Ion:202 Resp: 142902
Ion Ratio Lower Upper
202 100
101 10.3 0.0 34.1
203 16.5 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: BF106660.D

Acq: 21 Jun 2018 14:32

Instrument :

BNA_F

ClientSampleId :

TP-2-S

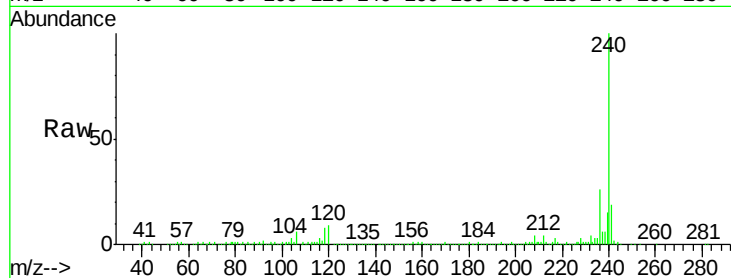
Tgt Ion:240 Resp: 264552

Ion Ratio Lower Upper

240 100

120 9.1 9.5 14.3#

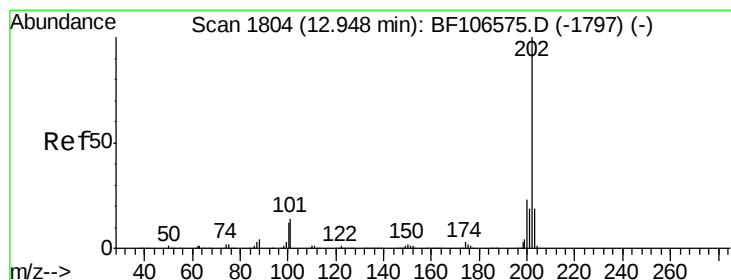
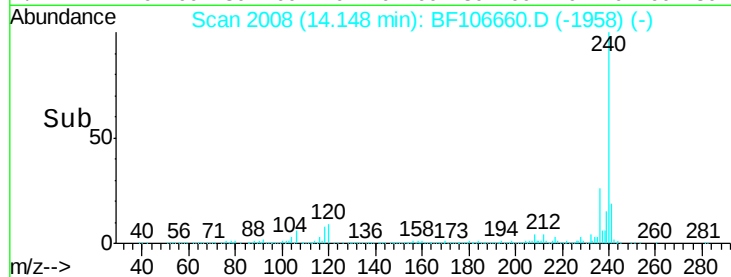
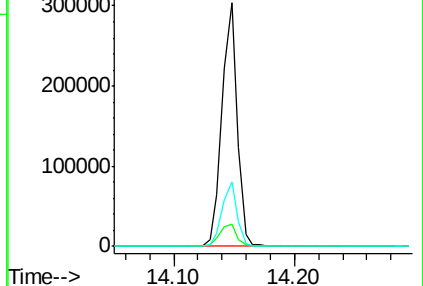
236 26.3 20.7 31.1



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: 7.508 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF106660.D

Acq: 21 Jun 2018 14:32

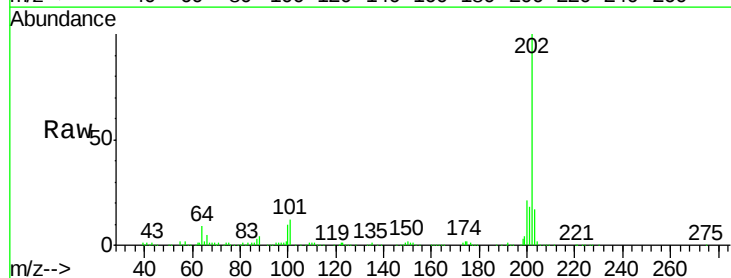
Tgt Ion:202 Resp: 130985

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

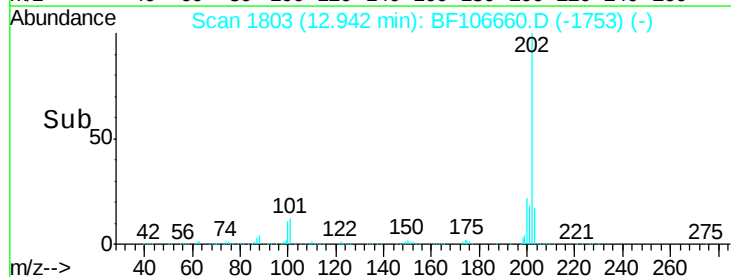
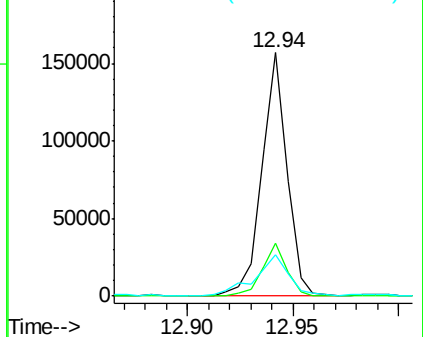
203 17.2 14.3 21.5

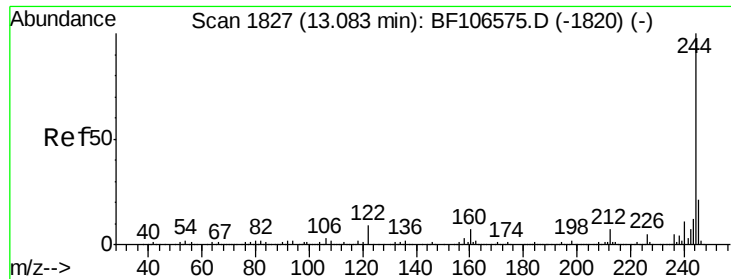


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

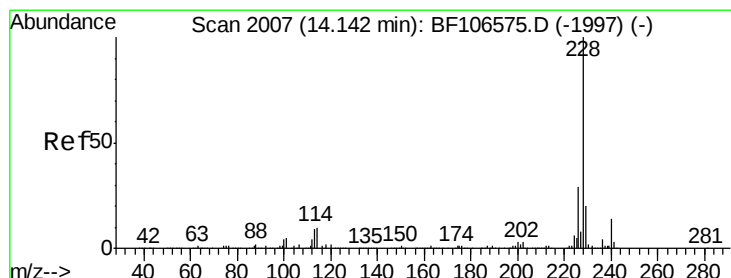
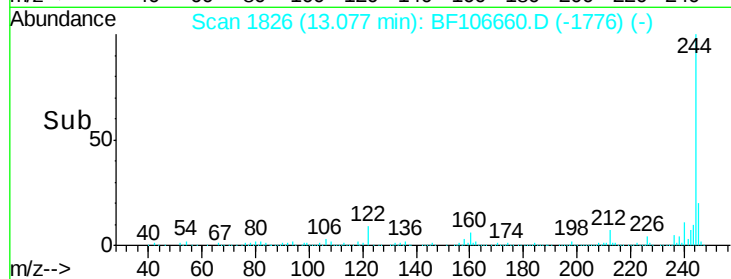
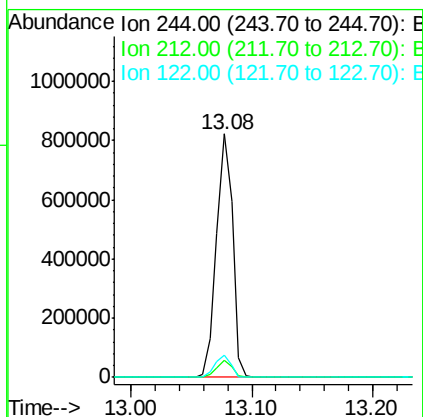
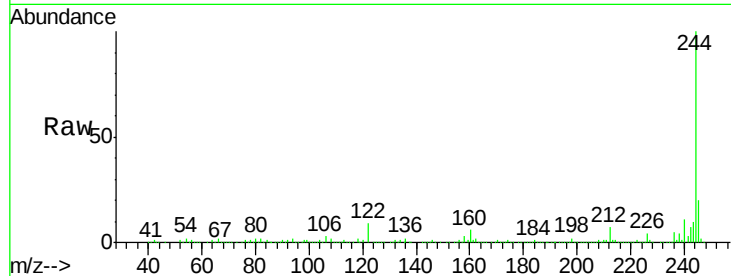




#78
 Terphenyl-d14
 Concen: 68.652 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF106660.D
 Acq: 21 Jun 2018 14:32

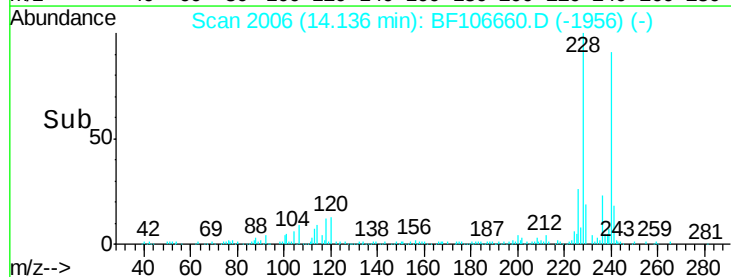
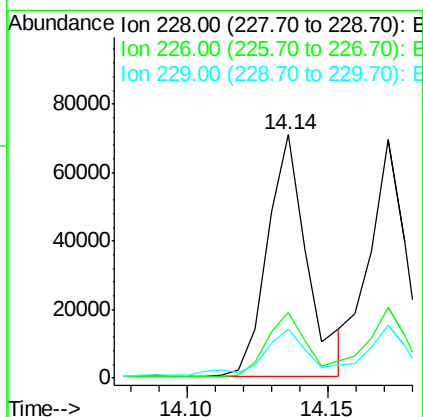
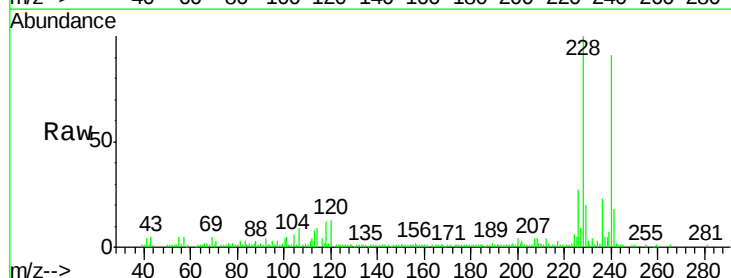
Instrument :
 BNA_F
 ClientSampled :
 TP-2-S

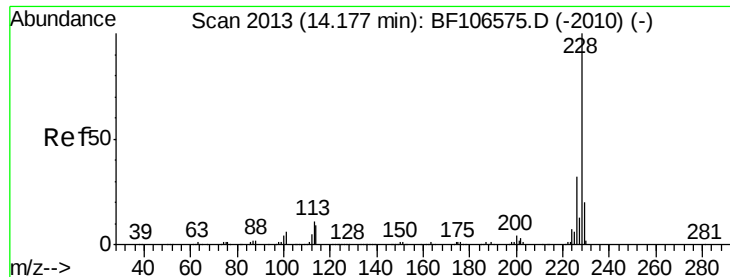
Tgt Ion:244 Resp: 749781
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 9.4 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 4.289 ng
 RT: 14.14 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BF106660.D
 Acq: 21 Jun 2018 14:32

Tgt Ion:228 Resp: 69148
 Ion Ratio Lower Upper
 228 100
 226 26.9 22.6 33.8
 229 20.1 15.8 23.6





#82

Chrysene

Concen: 4.119 ng

RT: 14.17 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF106660.D

Acq: 21 Jun 2018 14:32

Instrument :

BNA_F

ClientSampleId :

TP-2-S

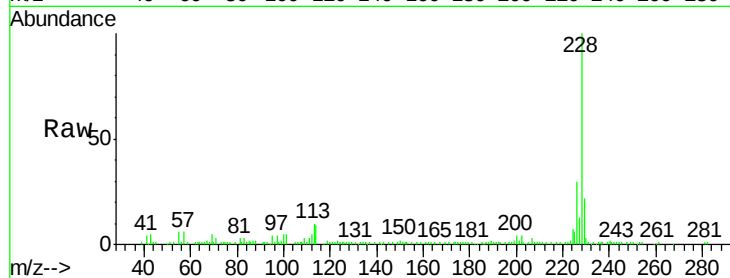
Tgt Ion:228 Resp: 61107

Ion Ratio Lower Upper

228 100

226 29.5 25.0 37.6

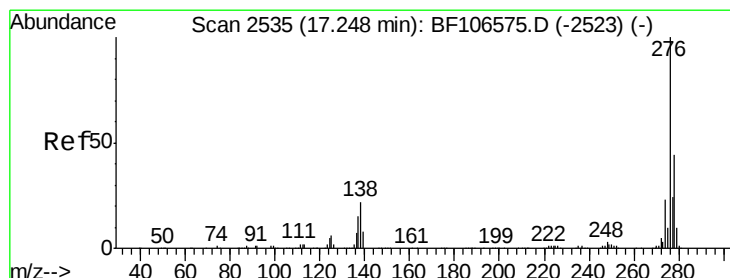
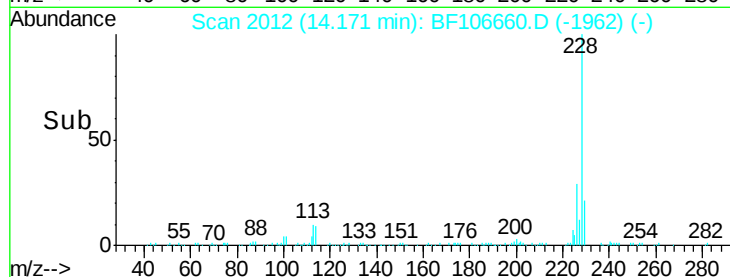
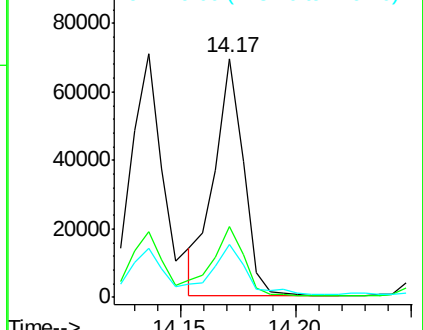
229 22.0 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.227 ng

RT: 17.25 min Scan# 2535

Delta R.T. 0.00 min

Lab File: BF106660.D

Acq: 21 Jun 2018 14:32

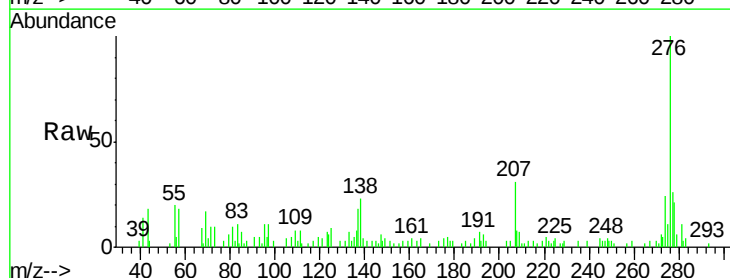
Tgt Ion:276 Resp: 28029

Ion Ratio Lower Upper

276 100

138 21.2 25.0 37.6#

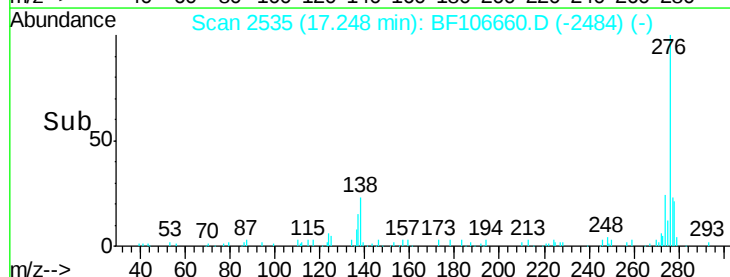
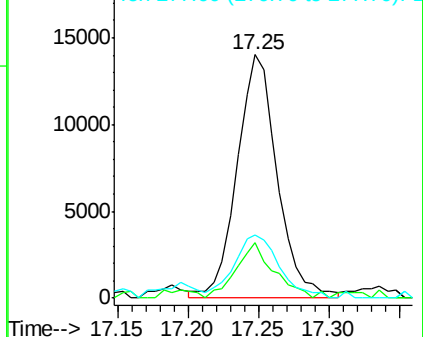
277 29.1 20.1 30.1

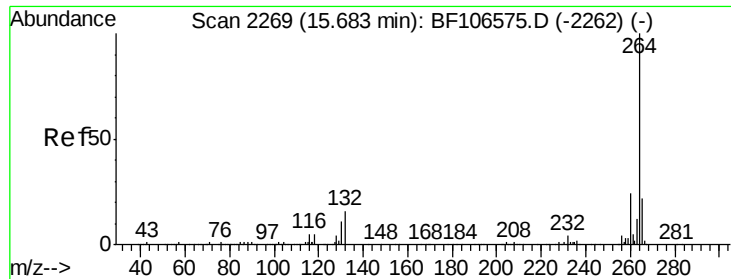


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



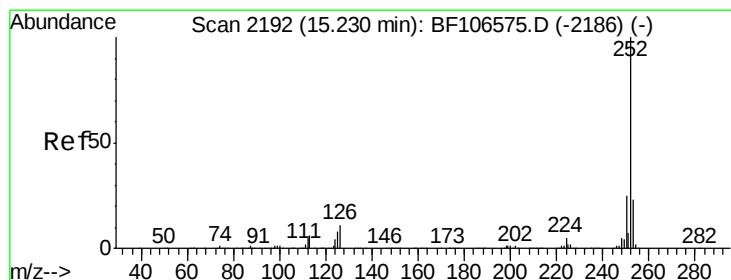
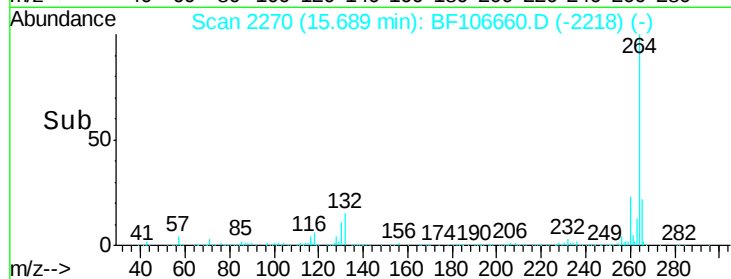
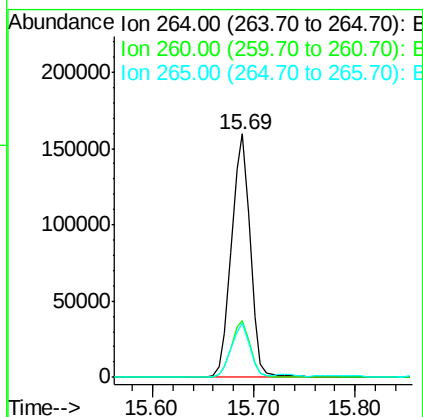
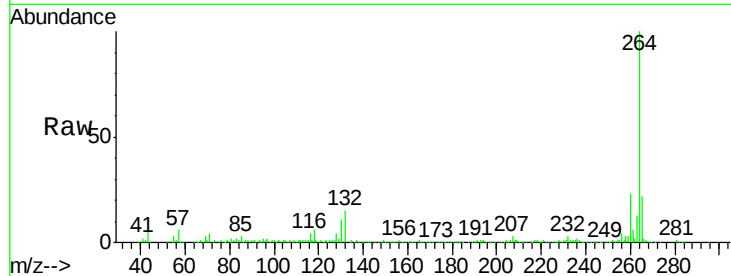


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF106660.D
Acq: 21 Jun 2018 14:32

Instrument :
BNA_F
ClientSampleId :
TP-2-S

Tgt Ion: 264 Resp: 205984

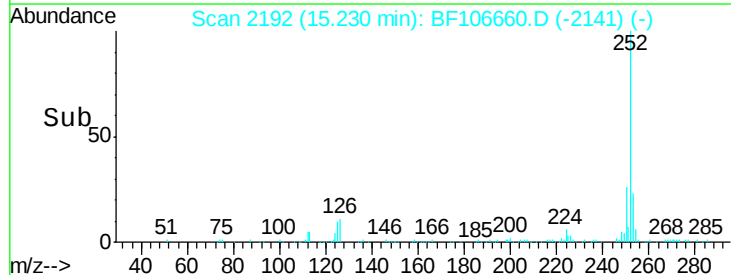
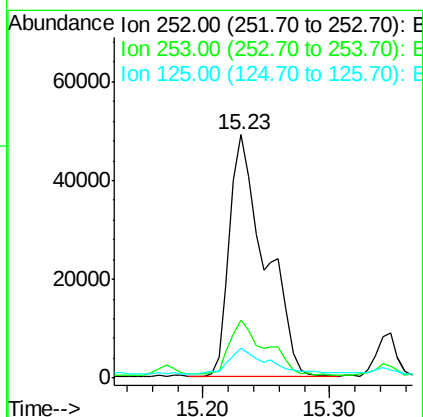
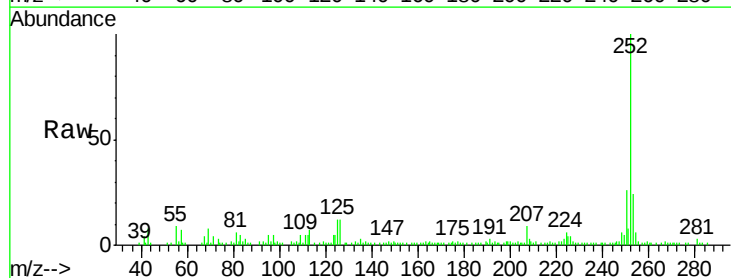
Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	22.2	17.5	26.3

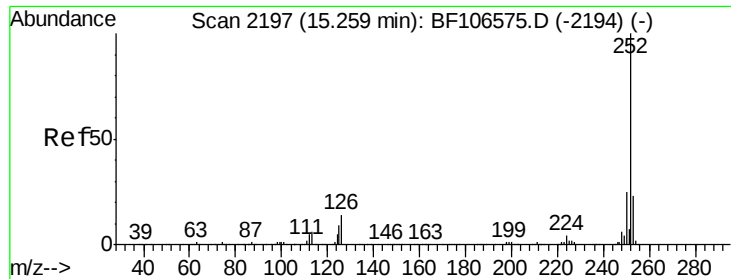


#87
Benzo(b)fluoranthene
Concen: 7.463 ng
RT: 15.23 min Scan# 2192
Delta R.T. 0.00 min
Lab File: BF106660.D
Acq: 21 Jun 2018 14:32

Tgt Ion: 252 Resp: 95497

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.0	25.6
125	12.3	9.0	13.6

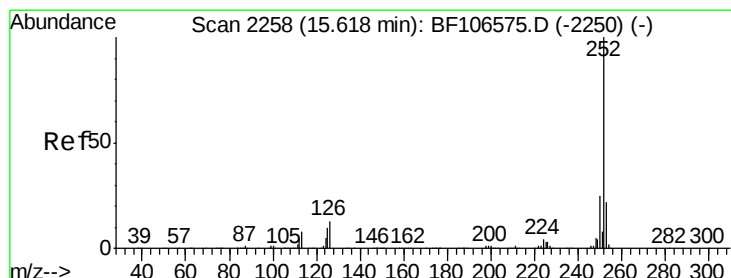
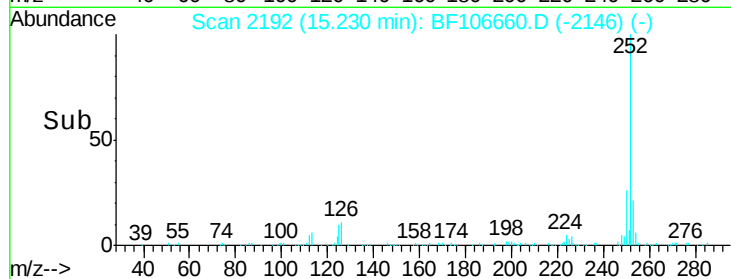
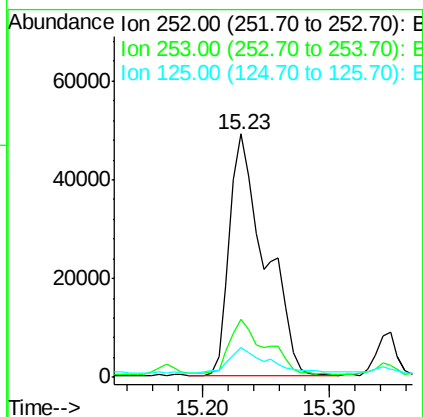
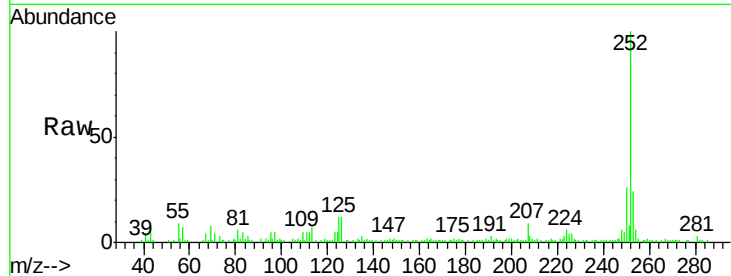




#88
Benzo(k)fluoranthene
Concen: 7.837 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BF106660.D
Acq: 21 Jun 2018 14:32

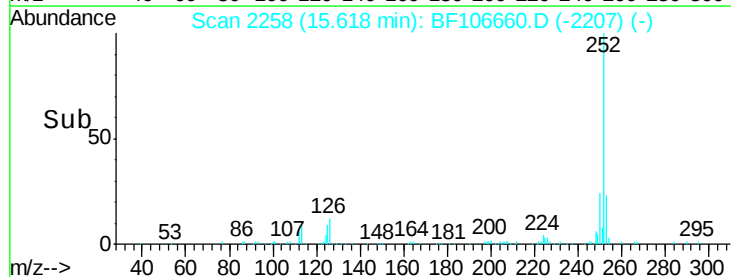
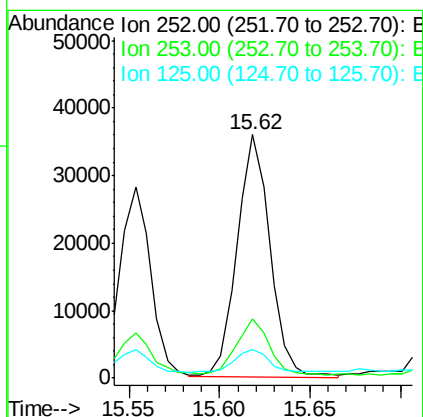
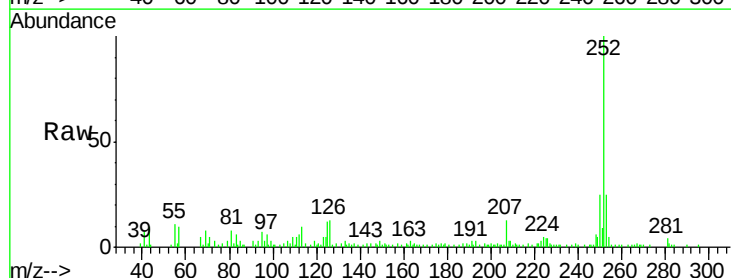
Instrument :
BNA_F
ClientSampleId :
TP-2-S

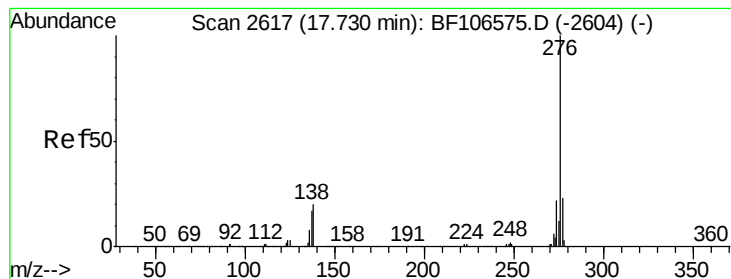
Tgt Ion:252 Resp: 95497
Ion Ratio Lower Upper
252 100
253 23.7 17.9 26.9
125 12.3 10.2 15.2



#89
Benzo(a)pyrene
Concen: 3.983 ng
RT: 15.62 min Scan# 2258
Delta R.T. -0.00 min
Lab File: BF106660.D
Acq: 21 Jun 2018 14:32

Tgt Ion:252 Resp: 45309
Ion Ratio Lower Upper
252 100
253 24.6 17.1 25.7
125 11.5 9.8 14.6





#91

Benzo(g,h,i)perylene

Concen: 2.905 ng

RT: 17.72 min Scan# 2616

Delta R.T. -0.01 min

Lab File: BF106660.D

Acq: 21 Jun 2018 14:32

Instrument :

BNA_F

ClientSampleId :

TP-2-S

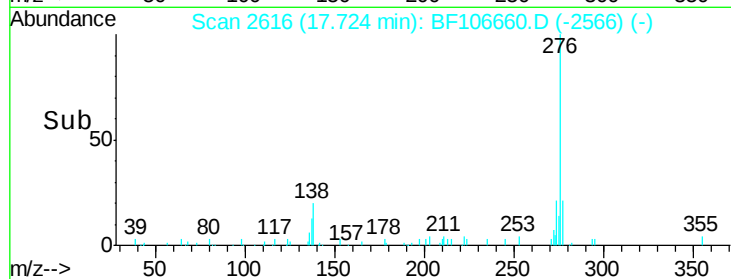
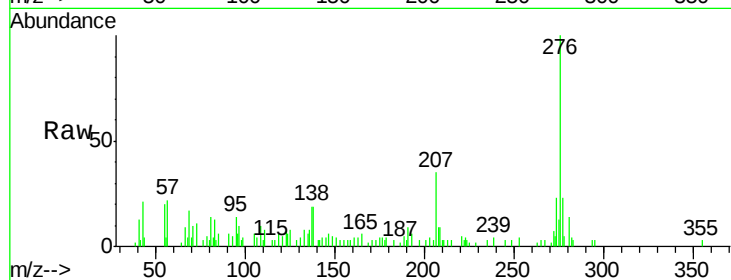
Tgt Ion: 276 Resp: 27373

Ion Ratio Lower Upper

276 100

277 23.1 17.9 26.9

138 19.0 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

