

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062218\
 Data File : BF106701.D
 Acq On : 22 Jun 2018 11:44
 Operator : JU/SJ
 Sample : J3603-15
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 22 12:25:46 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	67281	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	258136	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	136075	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	268374	20.00	ng	0.00
75) Chrysene-d12	14.15	240	195129	20.00	ng	0.00
86) Perylene-d12	15.69	264	210586	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	393016	98.91	ng	0.00
7) Phenol-d6	6.61	99	516296	104.05	ng	0.00
23) Nitrobenzene-d5	7.52	82	379299	81.66	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	135890	86.16	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	532612	62.31	ng	0.00
78) Terphenyl-d14	13.08	244	481636	59.79	ng	0.00

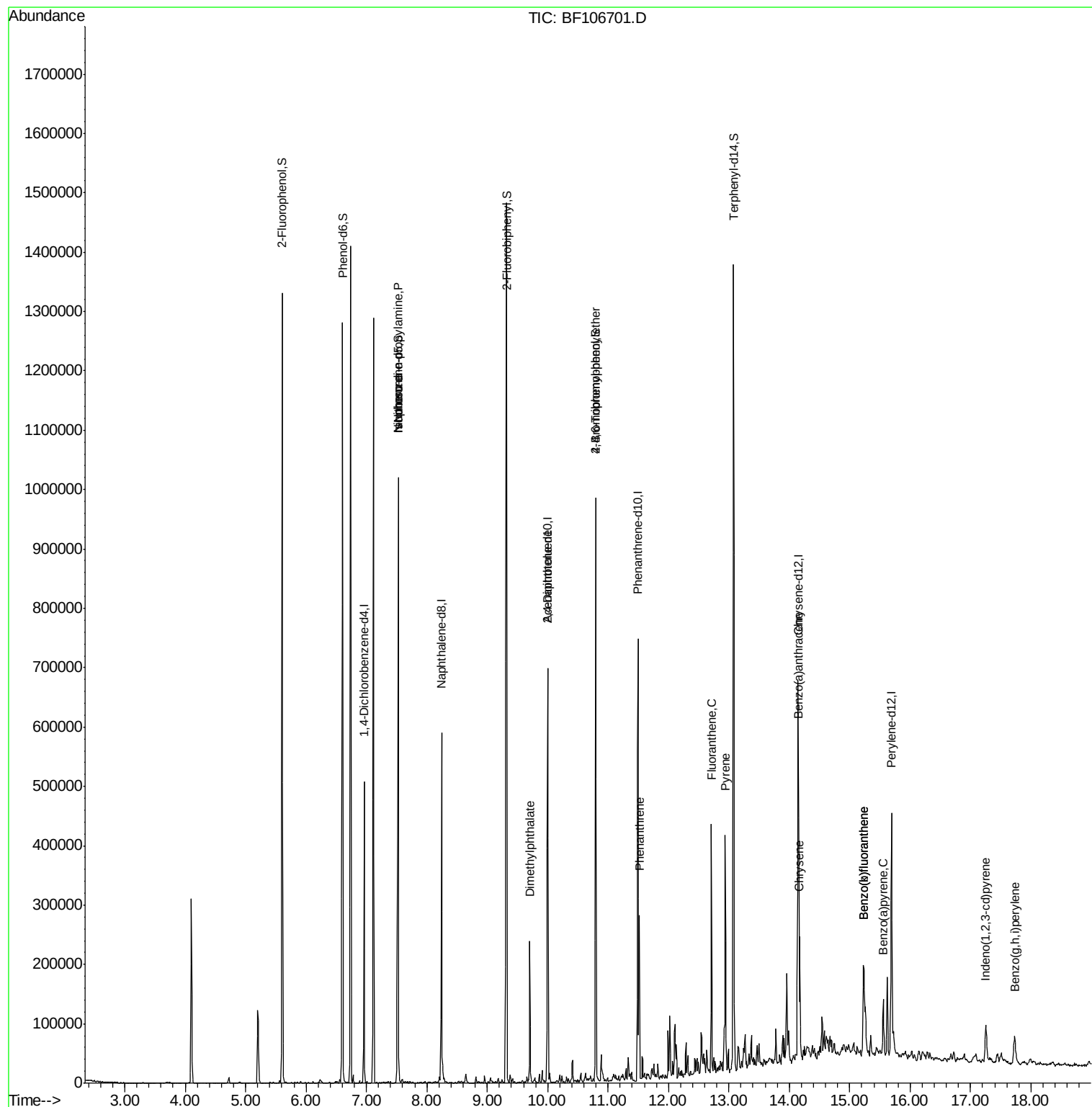
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.52	70	49705	15.197	ng	# 71
25) Isophorone	7.52	82	379295	46.340	ng	# 64
49) Dimethylphthalate	9.71	163	82555	8.089	ng	98
56) 2,4-Dinitrotoluene	10.00	165	17919	6.352	ng	# 21
66) 4-Bromophenyl-phenylether	10.80	248	8540	2.666	ng	# 1
70) Phenanthrene	11.52	178	100178	7.739	ng	98
74) Fluoranthene	12.71	202	160630	11.259	ng	96
77) Pyrene	12.94	202	153965	11.966	ng	99
80) Benzo(a)anthracene	14.14	228	87403	7.349	ng	99
82) Chrysene	14.17	228	81621	7.460	ng	97
85) Indeno(1,2,3-cd)pyrene	17.25	276	41955	4.519	ng	# 89
87) Benzo(b)fluoranthene	15.23	252	121100	9.257	ng	97
88) Benzo(k)fluoranthene	15.23	252	121100	9.721	ng	97
89) Benzo(a)pyrene	15.56	252	46716	4.017	ng	98
91) Benzo(a,h,i)perylene	17.73	276	42889	4.452	ng	# 91

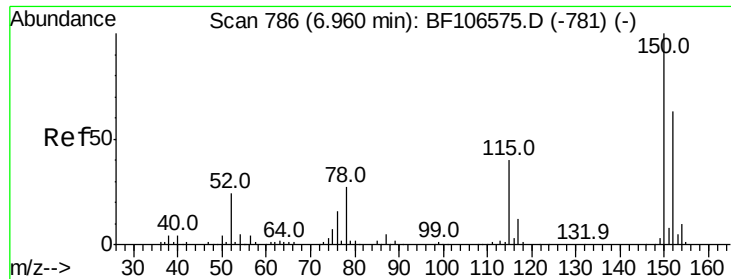
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062218\
Data File : BF106701.D
Acq On : 22 Jun 2018 11:44
Operator : JU/SJ
Sample : J3603-15
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jun 22 12:25:46 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



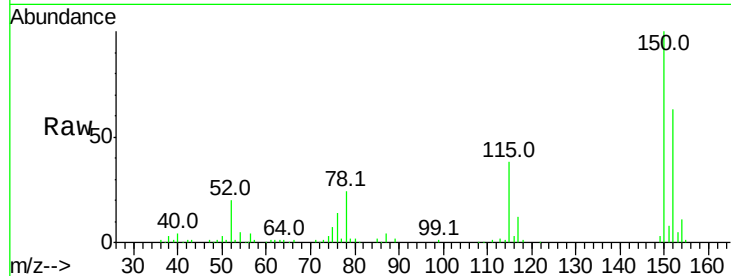


#1

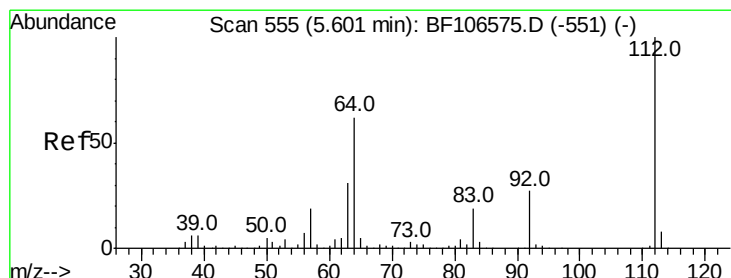
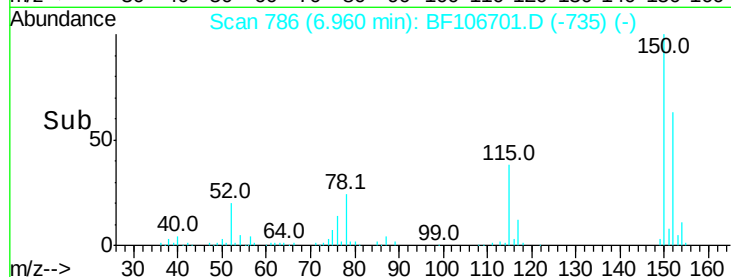
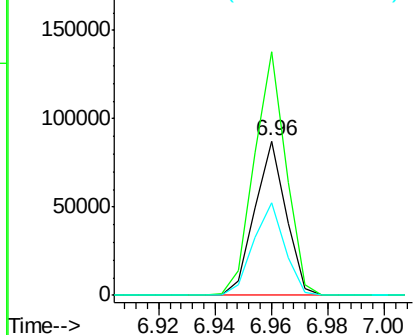
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.00 min
Lab File: BF106701.D
Acq: 22 Jun 2018 11:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 67281
Ion Ratio Lower Upper
152 100
150 157.7 124.6 186.8
115 59.6 50.1 75.1



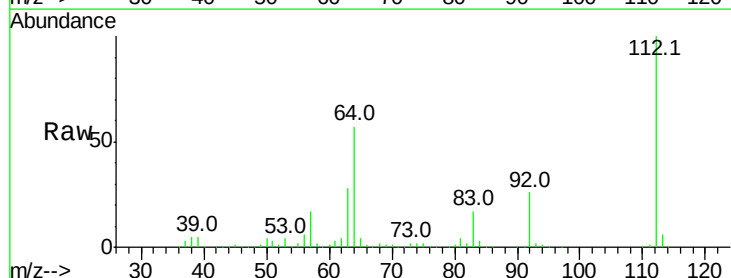
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



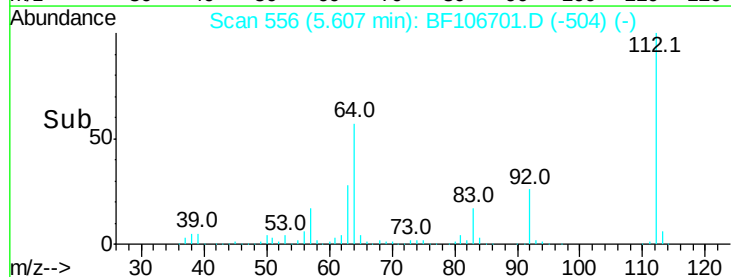
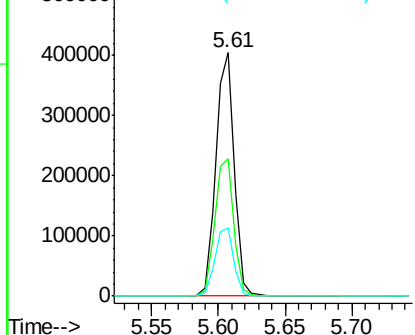
#5

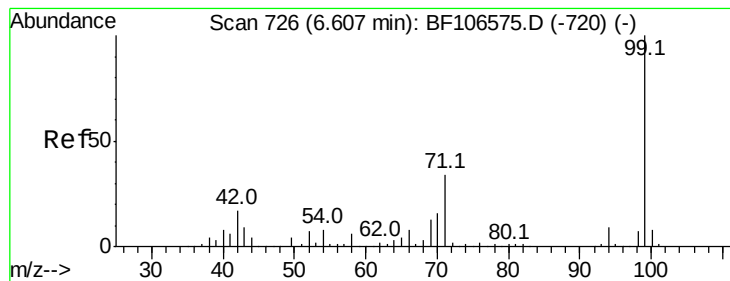
2-Fluorophenol
Concen: 98.914 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF106701.D
Acq: 22 Jun 2018 11:44

Tgt Ion:112 Resp: 393016
Ion Ratio Lower Upper
112 100
64 56.6 47.9 71.9
63 27.9 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: 104.052 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF106701.D

Acq: 22 Jun 2018 11:44

Instrument :

BNA_F

ClientSampleId :

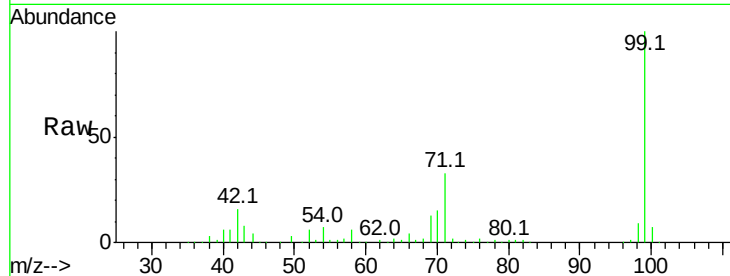
Tot Ion: 99 Resp: 516296

Ion Ratio Lower Upper

99 100

42 15.7 14.5 21.7

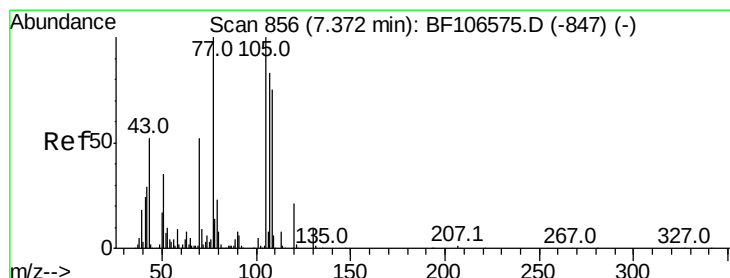
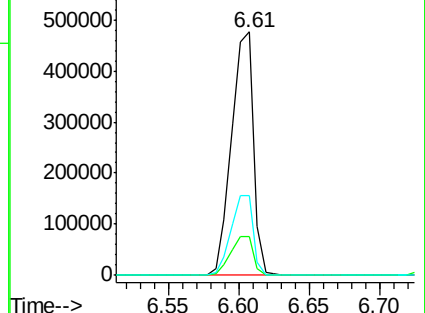
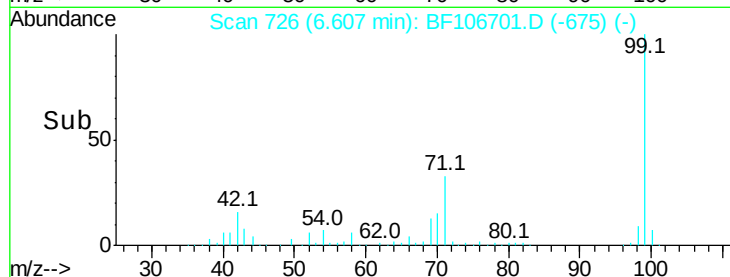
71 32.9 25.4 38.0



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: 15.197 ng

RT: 7.52 min Scan# 882

Delta R.T. 0.15 min

Lab File: BF106701.D

Acq: 22 Jun 2018 11:44

Tgt Ion: 70 Resp: 49705

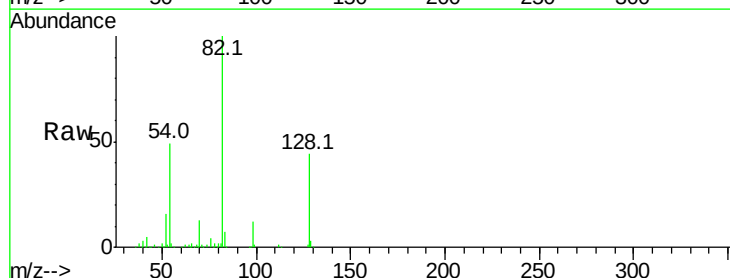
Ion Ratio Lower Upper

70 100

42 40.0 47.5 71.3#

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

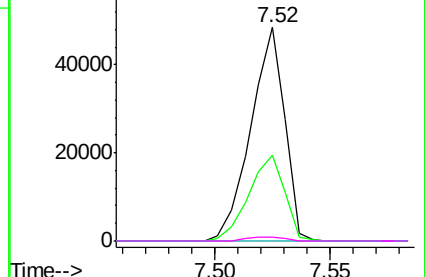
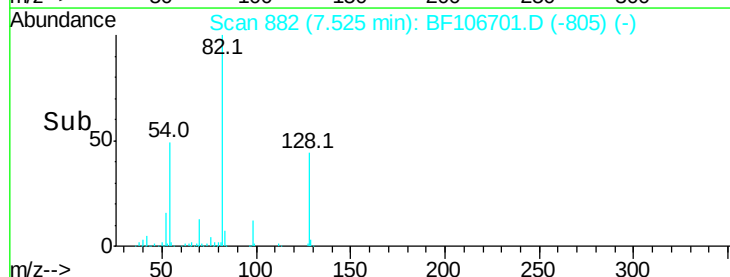


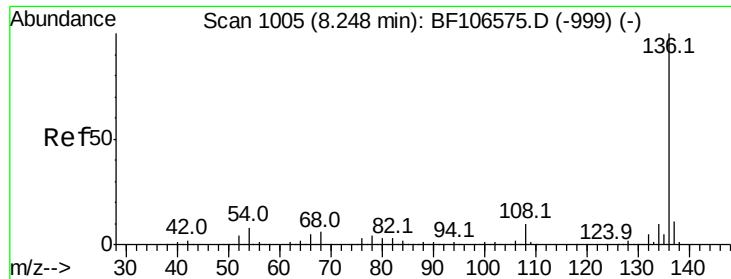
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

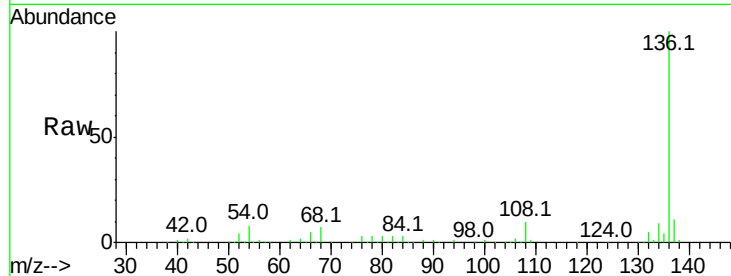




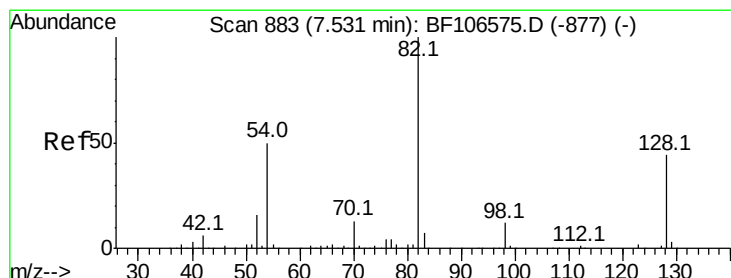
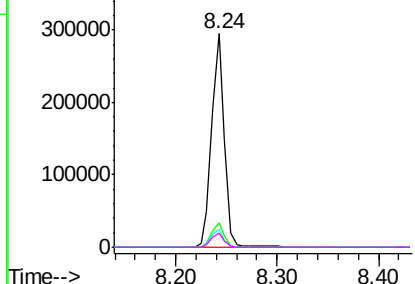
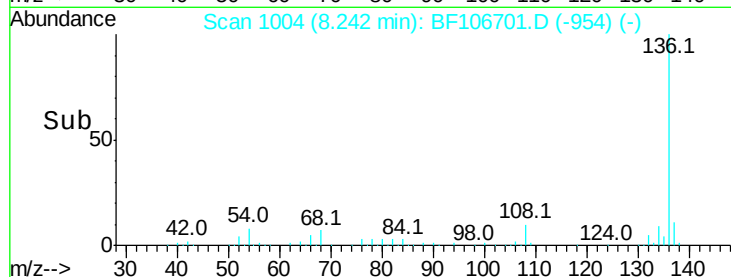
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF106701.D
Acq: 22 Jun 2018 11:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	258136
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.3	6.6	9.8
68	6.6	5.0	7.4

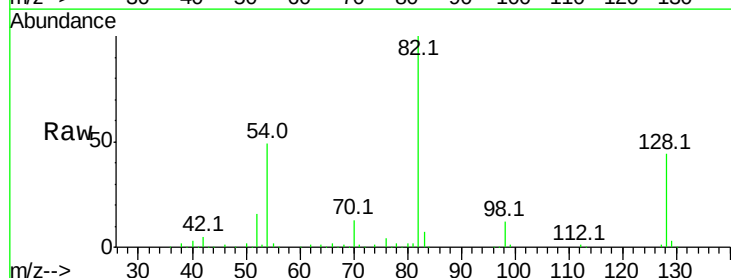


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

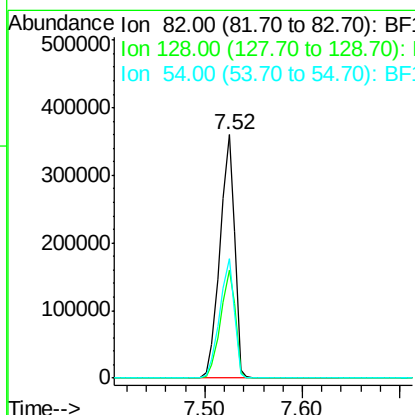
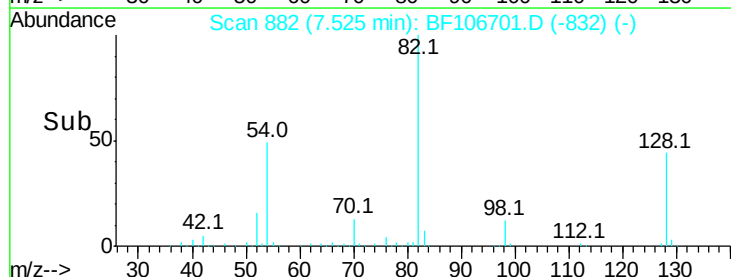


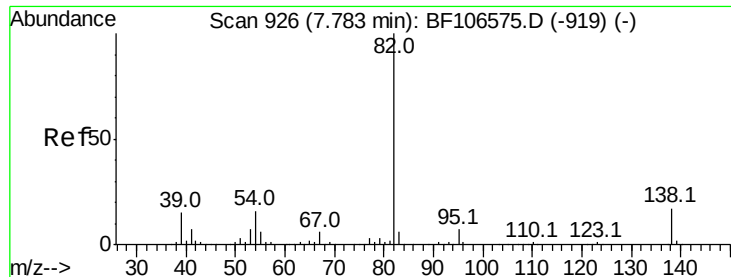
#23
Nitrobenzene-d5
Concen: 81.658 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF106701.D
Acq: 22 Jun 2018 11:44

Tgt Ion:	82	Resp:	379299
Ion	Ratio	Lower	Upper
82	100		
128	44.4	36.1	54.1
54	49.3	41.4	62.2



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





#25

Isophorone

Concen: 46.340 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF106701.D

Acq: 22 Jun 2018 11:44

Instrument :

BNA_F

ClientSampled :

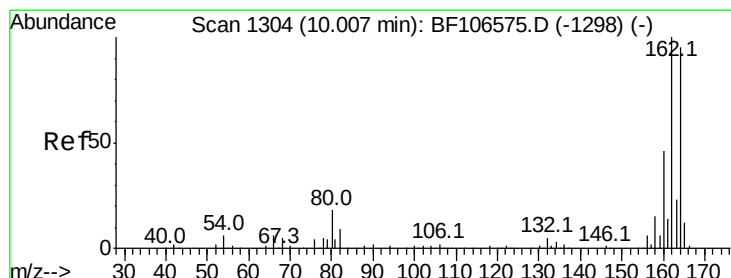
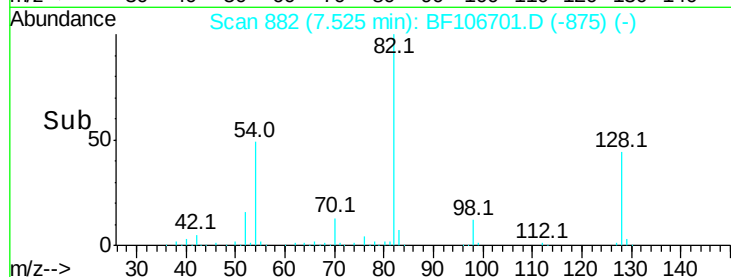
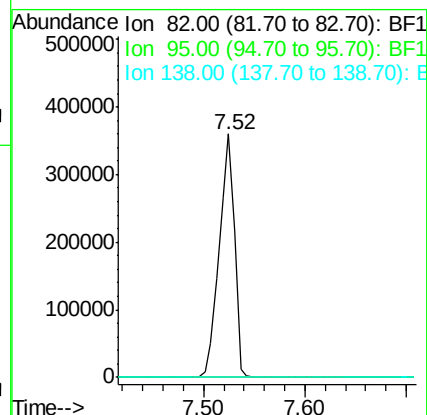
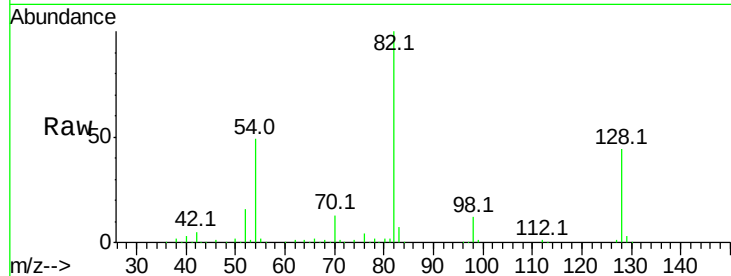
Tot Ion: 82 Resp: 379295

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: BF106701.D

Acq: 22 Jun 2018 11:44

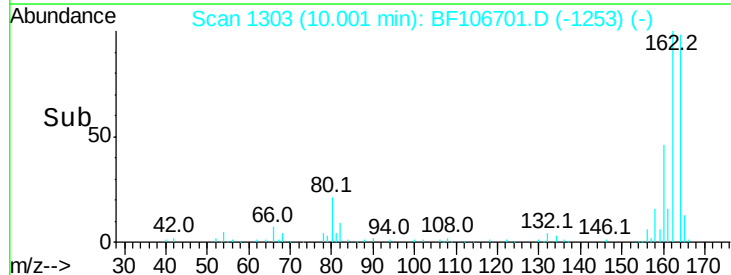
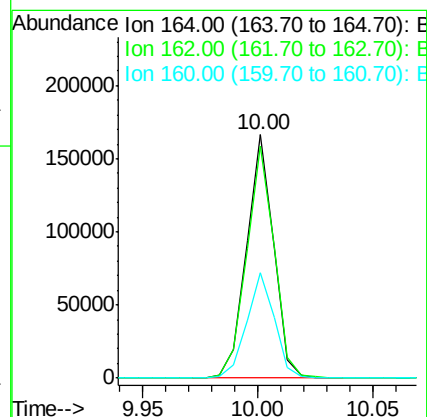
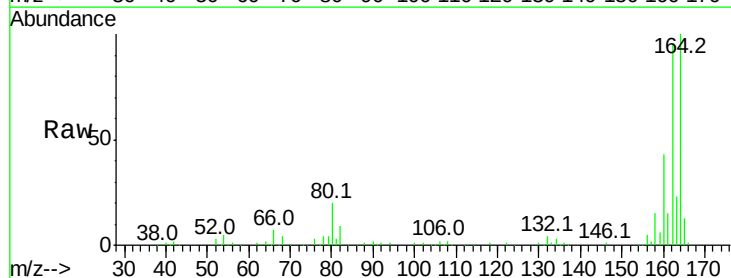
Tgt Ion: 164 Resp: 136075

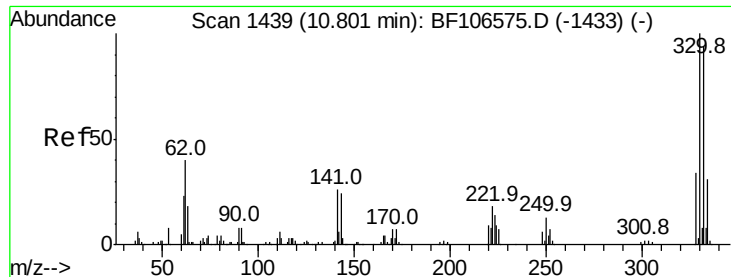
Ion Ratio Lower Upper

164 100

162 95.6 86.1 129.1

160 43.4 38.3 57.5





#41

2,4,6-Tribromophenol

Concen: 86.162 ng

RT: 10.80 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF106701.D

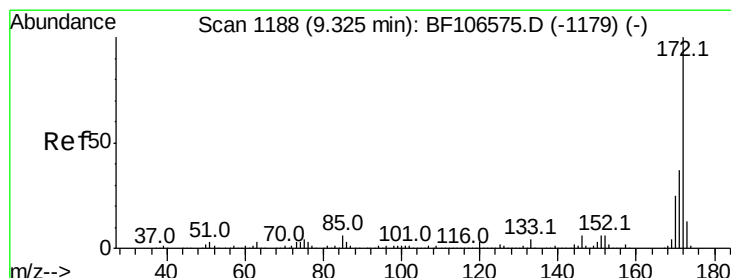
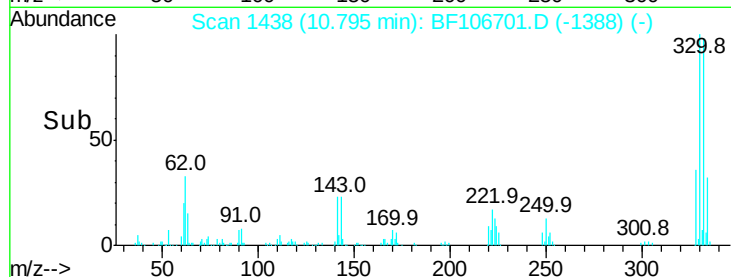
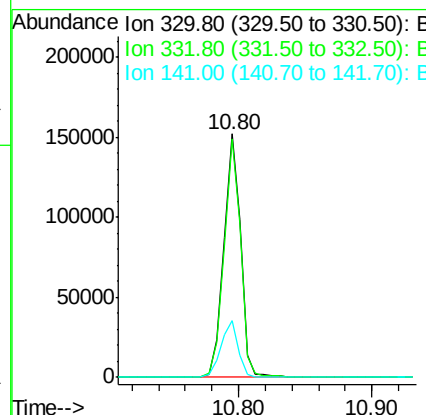
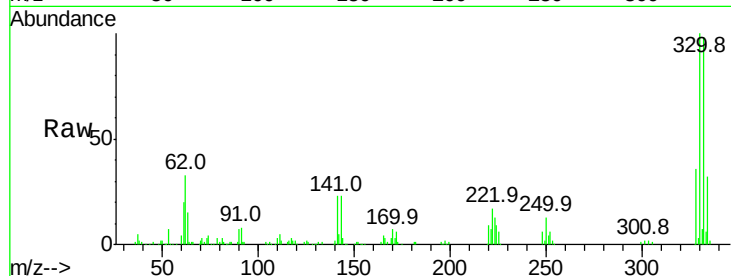
Acq: 22 Jun 2018 11:44

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	330	Resp:	135890
Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	24.0	29.9	44.9#



#44

2-Fluorobiphenyl

Concen: 62.314 ng

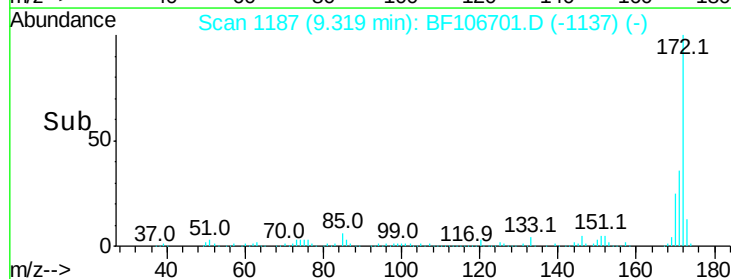
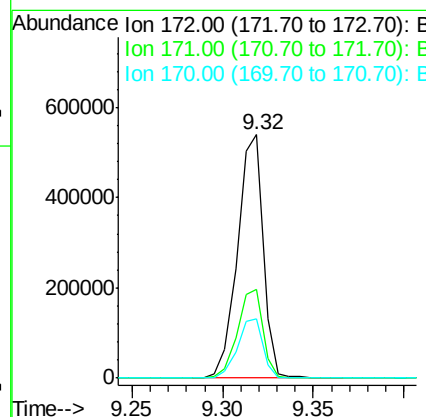
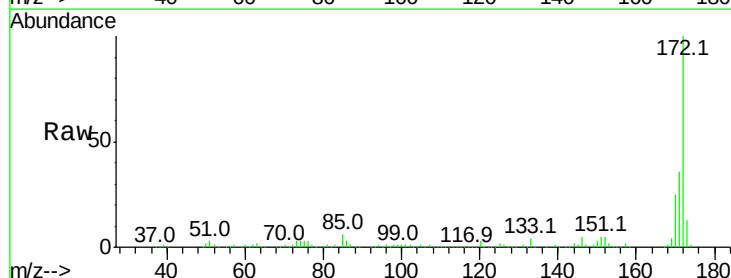
RT: 9.32 min Scan# 1187

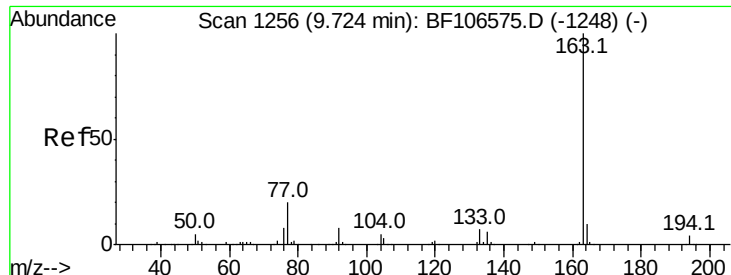
Delta R.T. -0.01 min

Lab File: BF106701.D

Acq: 22 Jun 2018 11:44

Tgt Ion:	172	Resp:	532612
Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.5	19.6	29.4

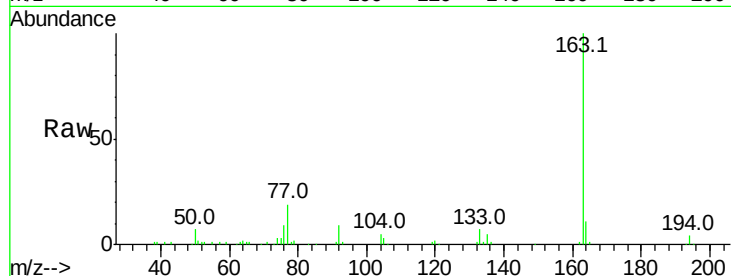




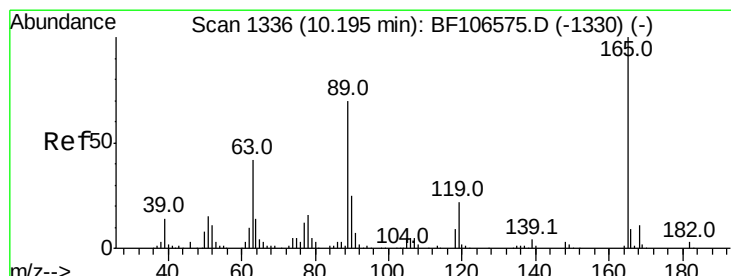
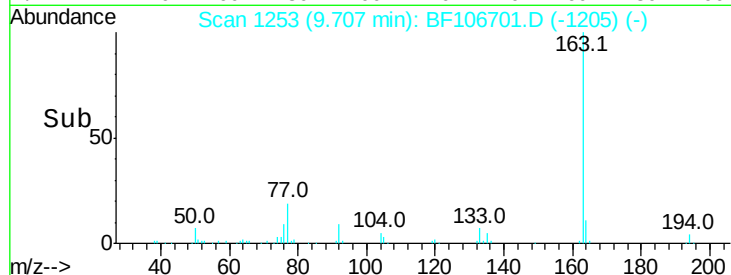
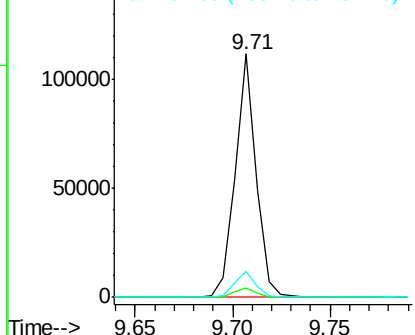
#49
 Dimethylphthalate
 Concen: 8.089 ng
 RT: 9.71 min Scan# 1253
 Delta R.T. -0.02 min
 Lab File: BF106701.D
 Acq: 22 Jun 2018 11:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	163	Resp:	82555
Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.7	4.1
164	10.8	8.2	12.2

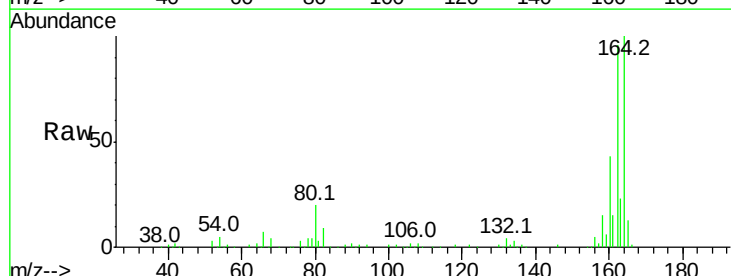


Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

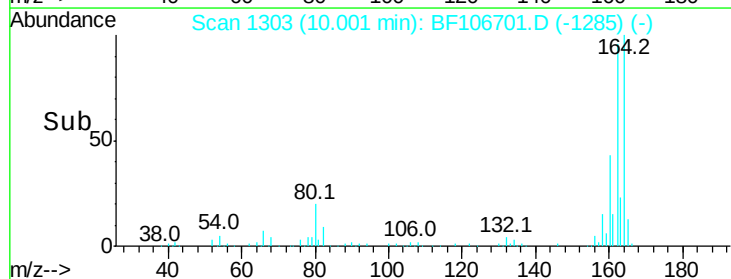
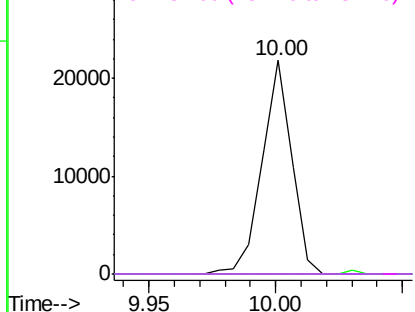


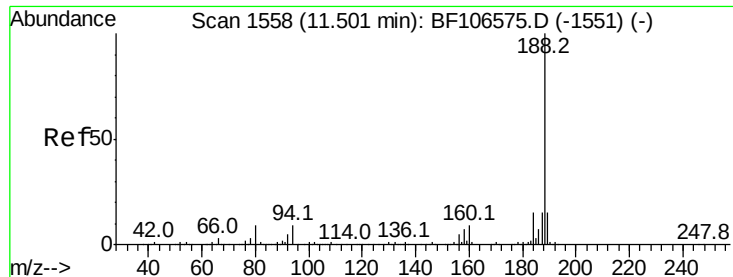
#56
 2,4-Dinitrotoluene
 Concen: 6.352 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.19 min
 Lab File: BF106701.D
 Acq: 22 Jun 2018 11:44

Tgt Ion:	165	Resp:	17919
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#



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

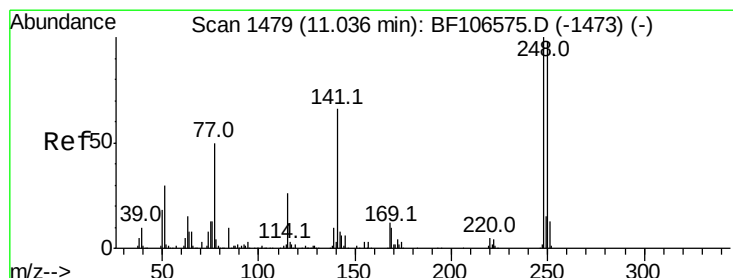
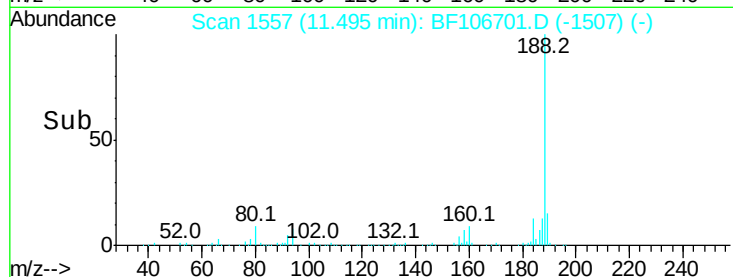
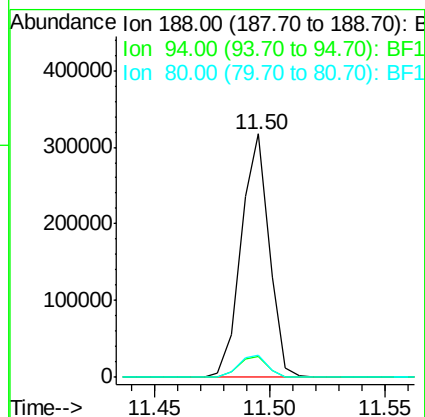
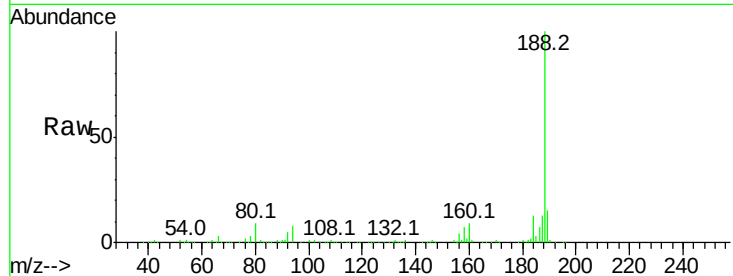




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF106701.D
 Acq: 22 Jun 2018 11:44

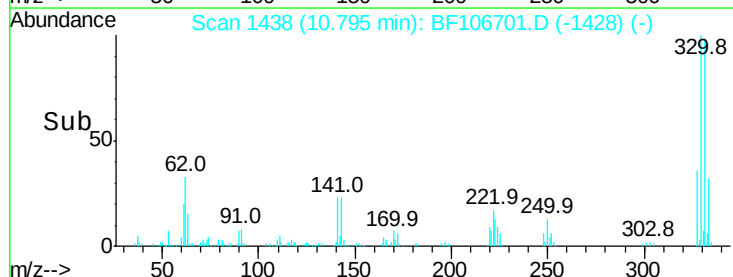
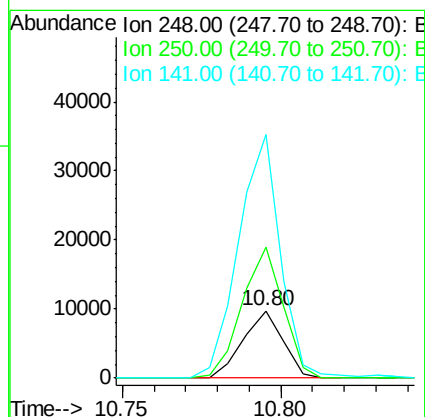
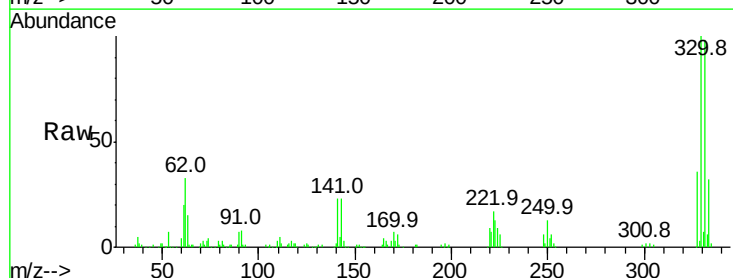
Instrument :
 BNA_F
 ClientSampleId :

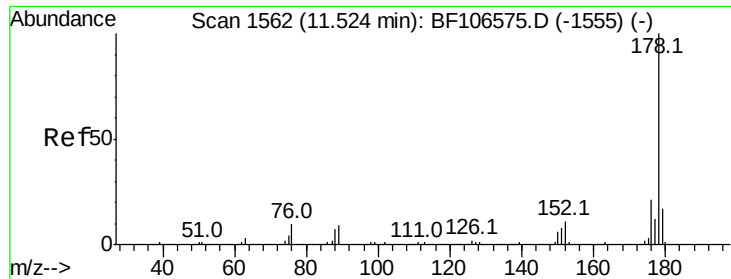
Tot Ion:188 Resp: 268374
 Ion Ratio Lower Upper
 188 100
 94 8.3 8.5 12.7#
 80 9.1 9.2 13.8#



#66
 4-Bromophenyl-phenylether
 Concen: 2.666 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.24 min
 Lab File: BF106701.D
 Acq: 22 Jun 2018 11:44

Tgt Ion:248 Resp: 8540
 Ion Ratio Lower Upper
 248 100
 250 195.1 76.9 115.3#
 141 360.9 74.4 111.6#

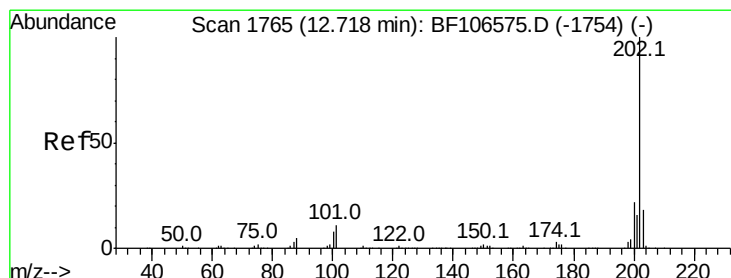
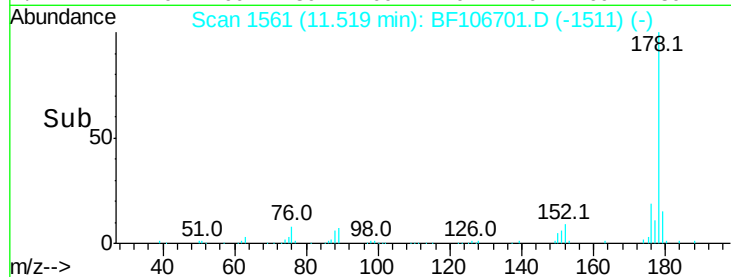
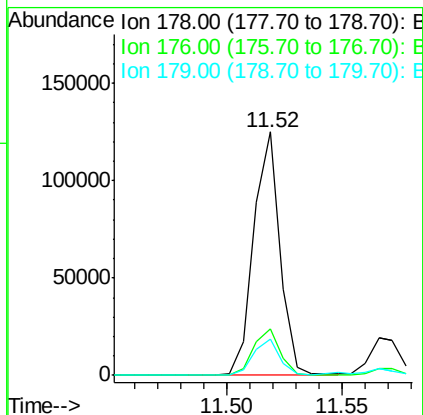
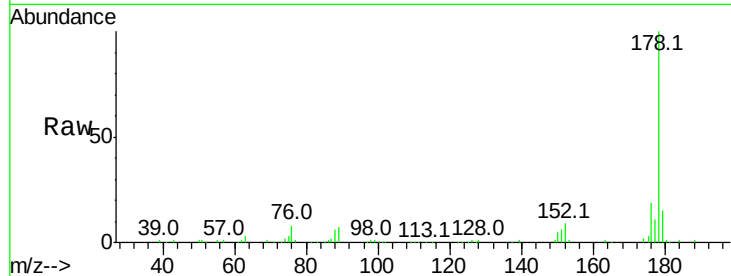




#70
Phenanthrene
Concen: 7.739 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF106701.D
Acq: 22 Jun 2018 11:44

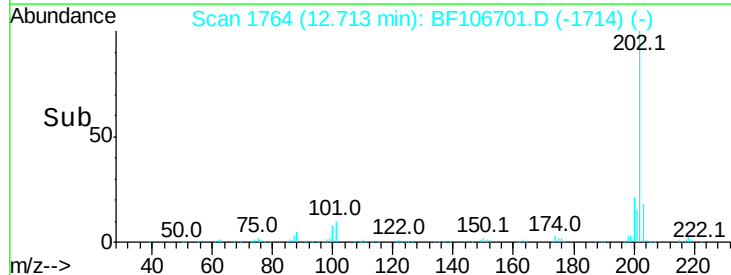
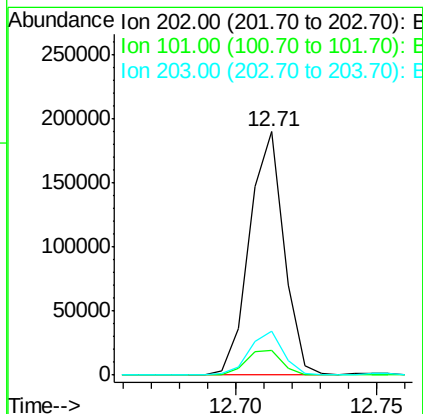
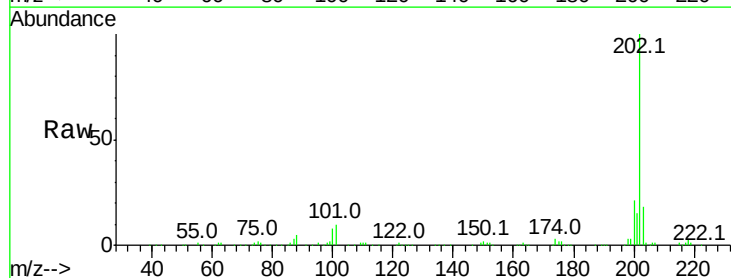
Instrument :
BNA_F
ClientSampleId :

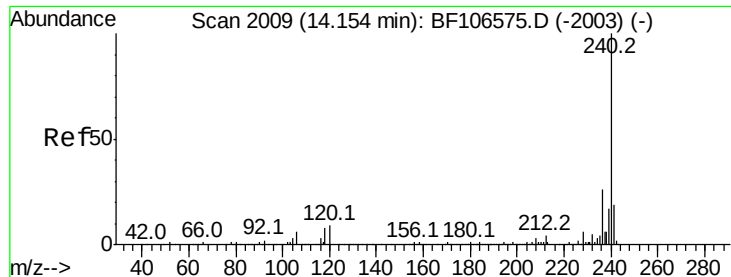
Tot Ion:178 Resp: 100178
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 15.1 13.0 19.6



#74
Fluoranthene
Concen: 11.259 ng
RT: 12.71 min Scan# 1764
Delta R.T. -0.01 min
Lab File: BF106701.D
Acq: 22 Jun 2018 11:44

Tgt Ion:202 Resp: 160630
Ion Ratio Lower Upper
202 100
101 10.1 0.0 34.1
203 18.1 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF106701.D

Acq: 22 Jun 2018 11:44

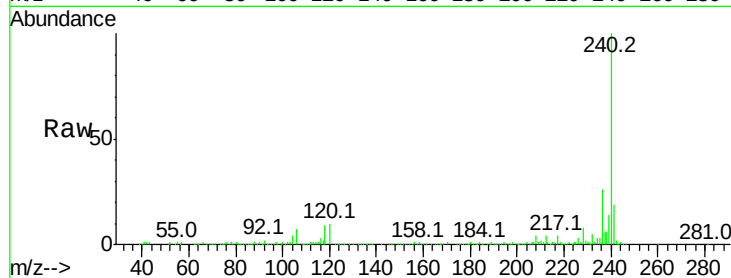
Instrument :

BNA_F

ClientSampleId :

Tot Ion:240 Resp: 195129

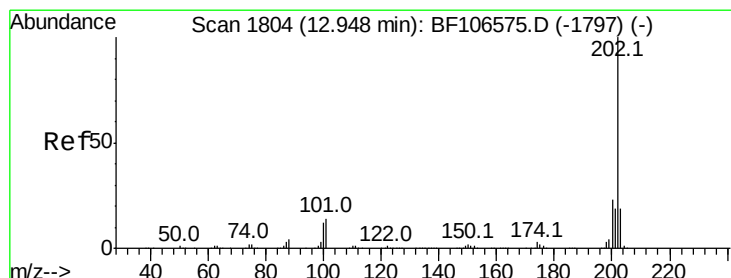
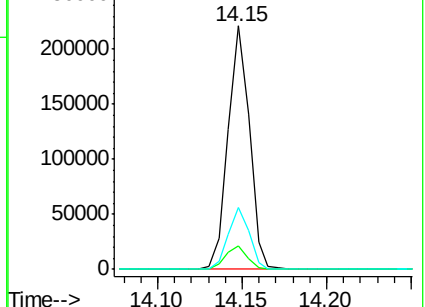
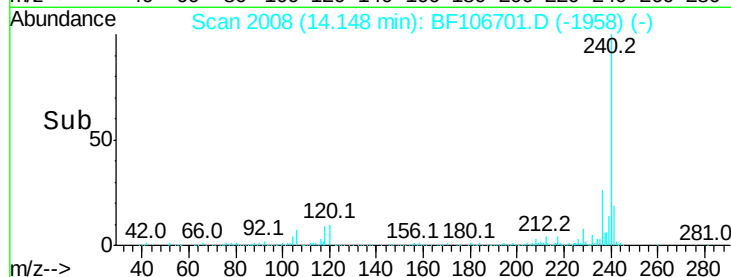
Ion	Ratio	Lower	Upper
240	100		
120	9.6	9.5	14.3
236	25.5	20.7	31.1



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: 11.966 ng

RT: 12.94 min Scan# 1803

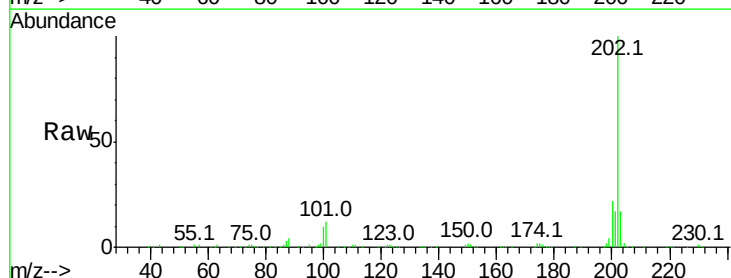
Delta R.T. -0.01 min

Lab File: BF106701.D

Acq: 22 Jun 2018 11:44

Tgt Ion:202 Resp: 153965

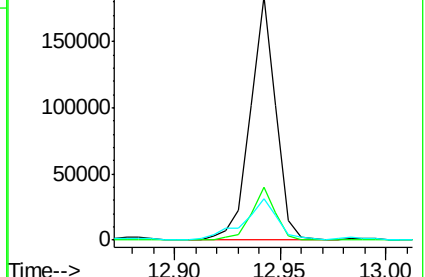
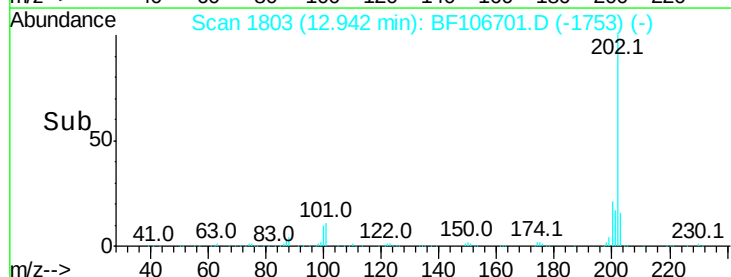
Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.2
203	17.0	14.3	21.5

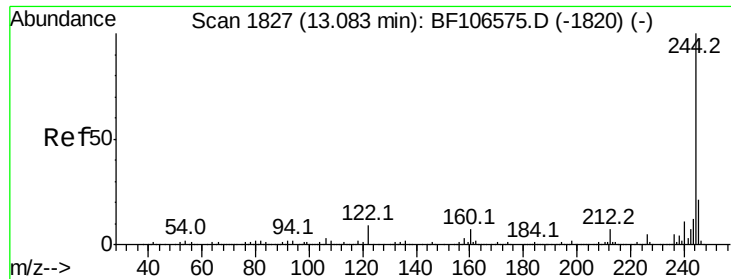


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

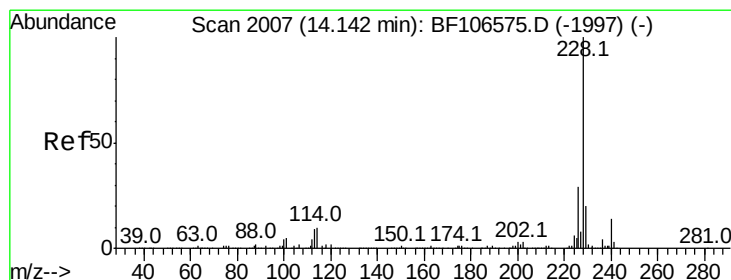
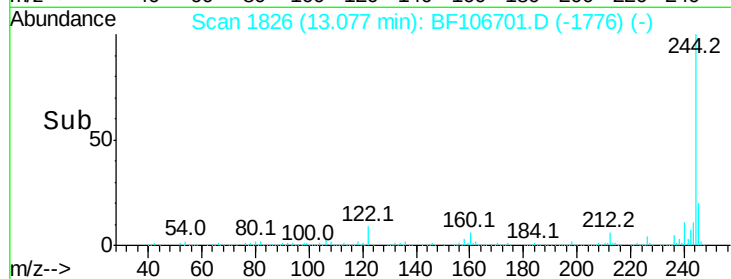
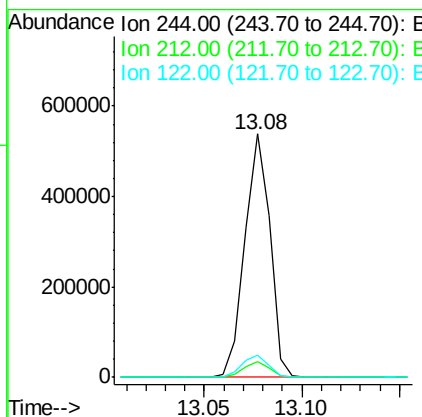
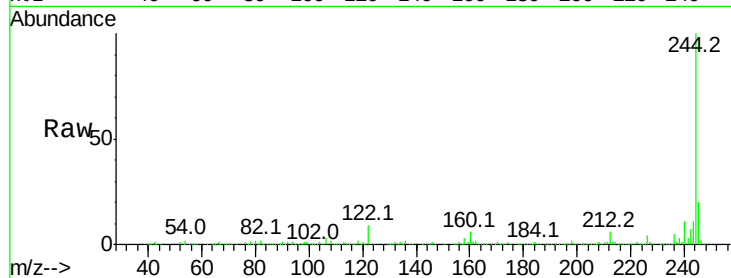




#78
 Terphenyl-d14
 Concen: 59.789 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF106701.D
 Acq: 22 Jun 2018 11:44

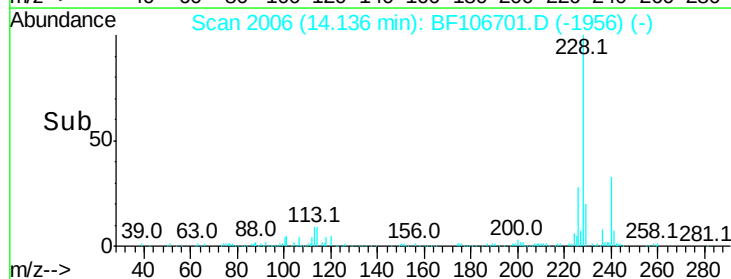
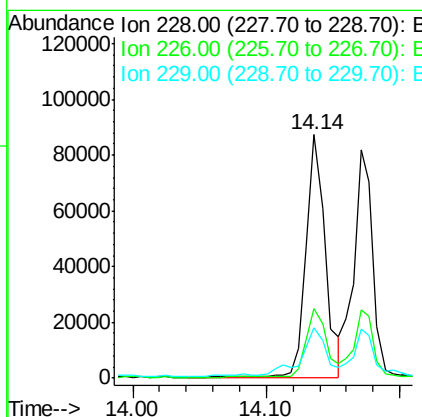
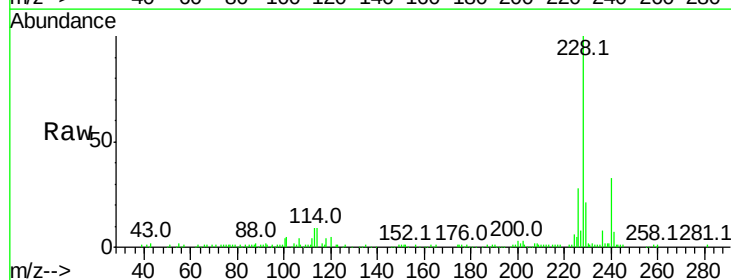
Instrument :
 BNA_F
 ClientSampleId :

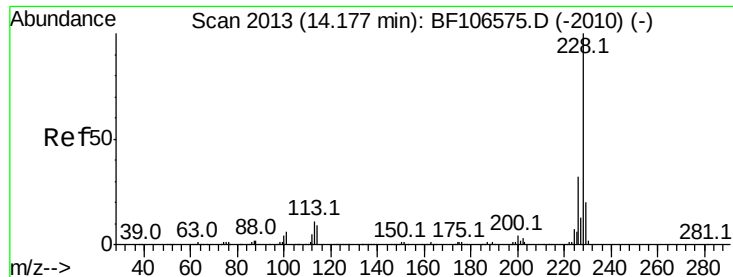
Tot Ion:244 Resp: 481636
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 8.9 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 7.349 ng
 RT: 14.14 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BF106701.D
 Acq: 22 Jun 2018 11:44

Tgt Ion:228 Resp: 87403
 Ion Ratio Lower Upper
 228 100
 226 28.5 22.6 33.8
 229 20.9 15.8 23.6

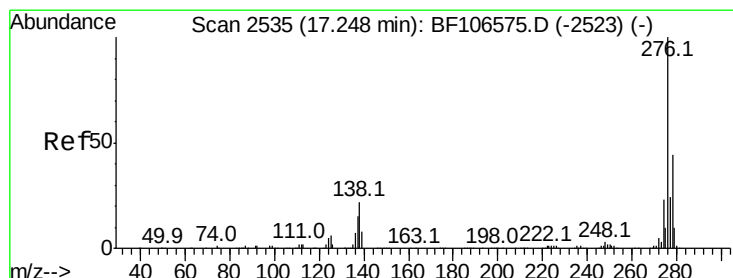
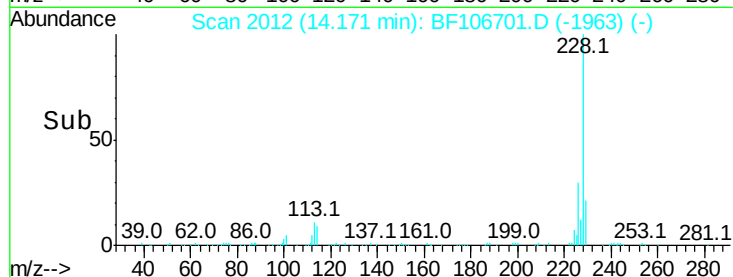
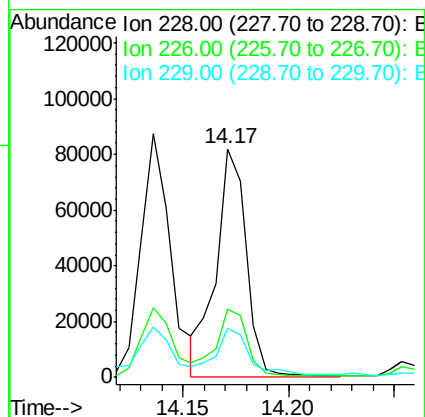
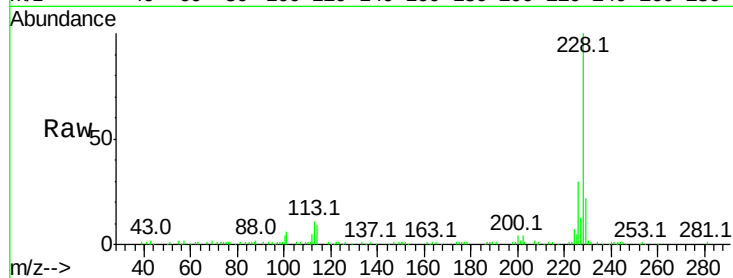




#82
Chrysene
Concen: 7.460 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF106701.D
Acq: 22 Jun 2018 11:44

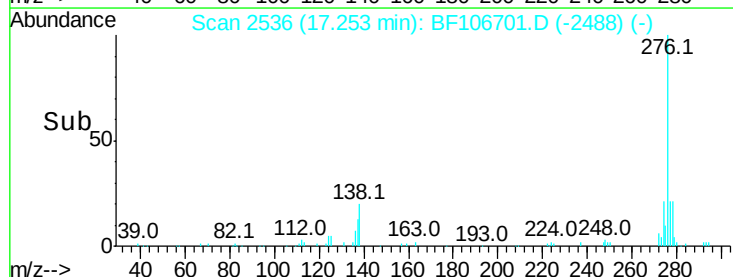
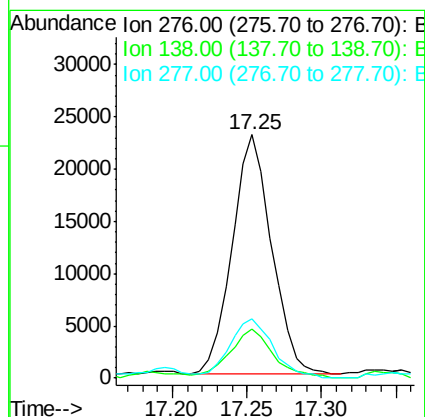
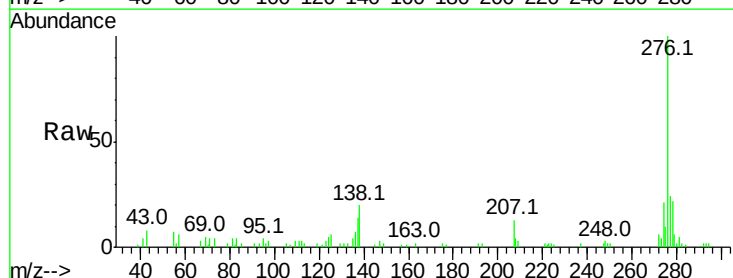
Instrument :
BNA_F
ClientSampled :

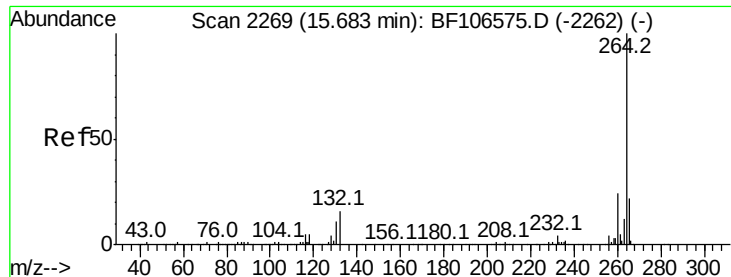
Tot Ion:228 Resp: 81621
Ion Ratio Lower Upper
228 100
226 30.0 25.0 37.6
229 21.6 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 4.519 ng
RT: 17.25 min Scan# 2536
Delta R.T. -0.02 min
Lab File: BF106701.D
Acq: 22 Jun 2018 11:44

Tgt Ion:276 Resp: 41955
Ion Ratio Lower Upper
276 100
138 22.9 25.0 37.6#
277 27.4 20.1 30.1

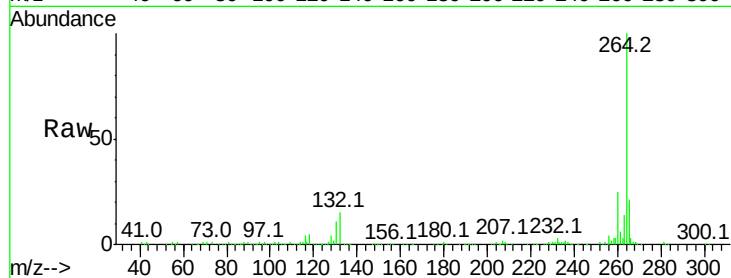




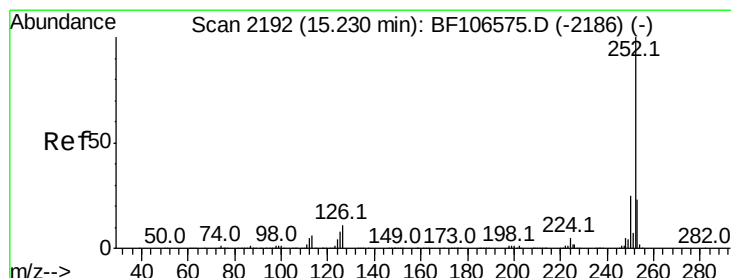
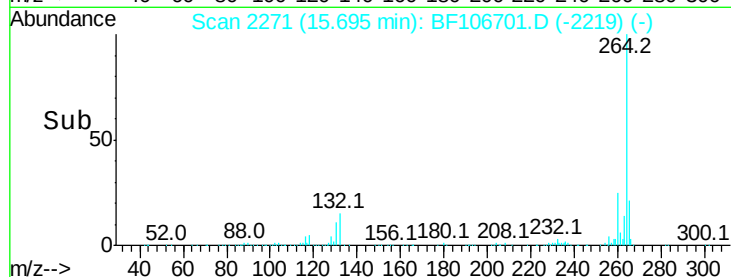
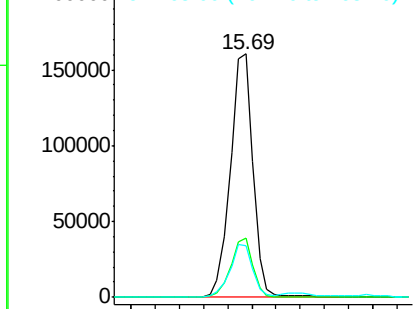
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF106701.D
Acq: 22 Jun 2018 11:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 210586
Ion Ratio Lower Upper
264 100
260 24.6 19.2 28.8
265 21.3 17.5 26.3

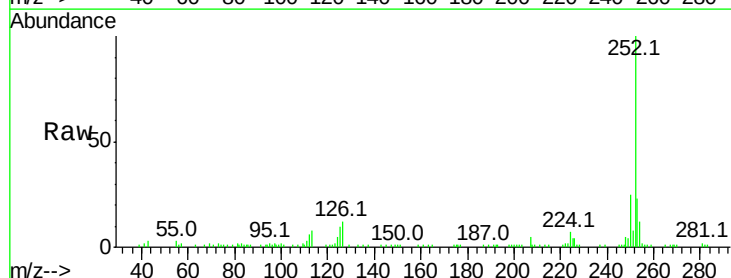


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

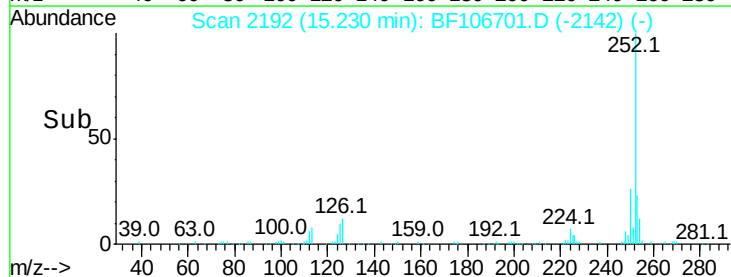
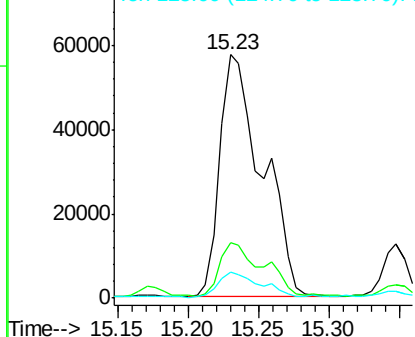


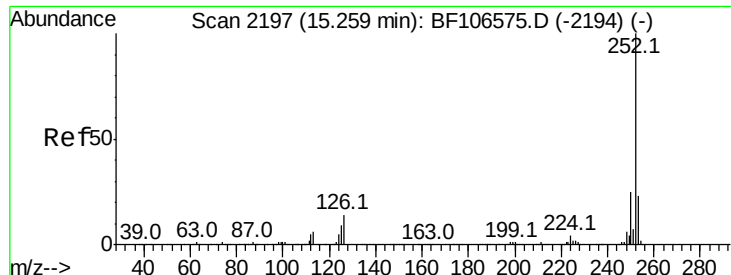
#87
Benzo(b)fluoranthene
Concen: 9.257 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BF106701.D
Acq: 22 Jun 2018 11:44

Tgt Ion:252 Resp: 121100
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.6
125 10.5 9.0 13.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 9.721 ng

RT: 15.23 min Scan# 2192

Delta R.T. -0.04 min

Lab File: BF106701.D

Acq: 22 Jun 2018 11:44

Instrument :

BNA_F

ClientSampleId :

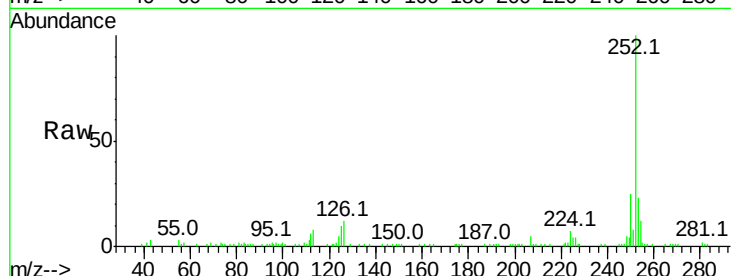
Tot Ion:252 Resp: 121100

Ion Ratio Lower Upper

252 100

253 22.8 17.9 26.9

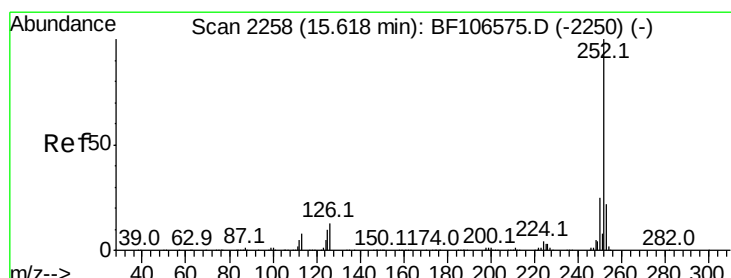
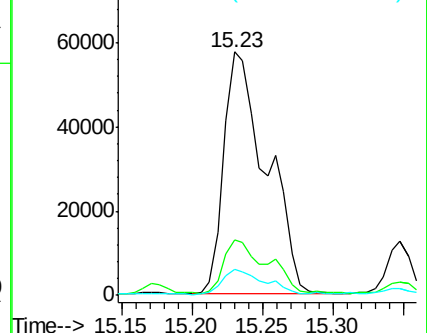
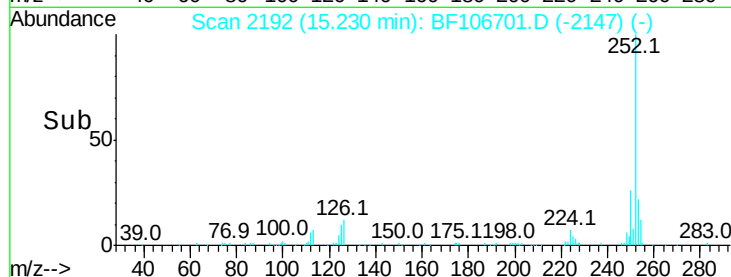
125 10.5 10.2 15.2



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: 4.017 ng

RT: 15.56 min Scan# 2248

Delta R.T. -0.07 min

Lab File: BF106701.D

Acq: 22 Jun 2018 11:44

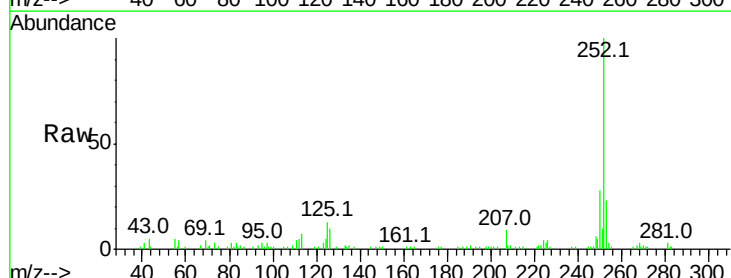
Tgt Ion:252 Resp: 46716

Ion Ratio Lower Upper

252 100

253 22.7 17.1 25.7

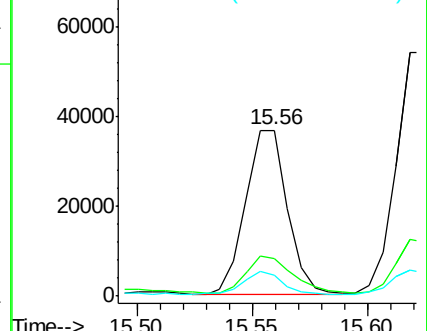
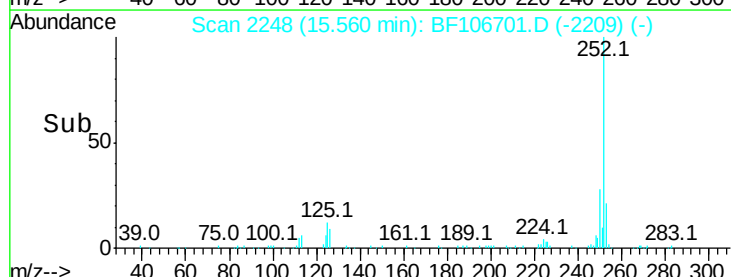
125 12.9 9.8 14.6

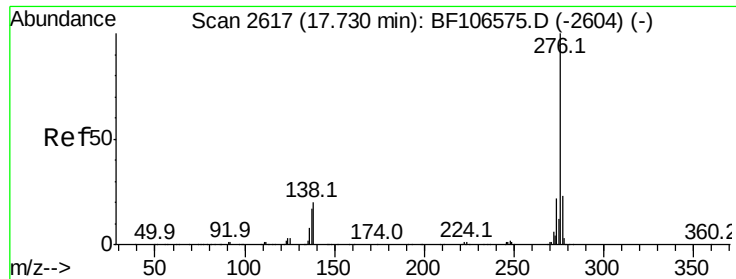


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 4.452 ng
 RT: 17.73 min Scan# 2617
 Delta R.T. -0.02 min
 Lab File: BF106701.D
 Acq: 22 Jun 2018 11:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.0	17.9	26.9
138	21.7	21.8	32.8

