

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
 Data File : BF106681.D
 Acq On : 22 Jun 2018 00:29
 Operator : JU/SJ
 Sample : J3245-13 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 22 03:25:32 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	60671	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	218871	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	99503	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	189651	20.00	ng	0.00
75) Chrysene-d12	14.15	240	165264	20.00	ng	0.00
86) Perylene-d12	15.68	264	118180	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	131495	36.70	ng	0.00
7) Phenol-d6	6.60	99	159417	35.63	ng	0.00
23) Nitrobenzene-d5	7.52	82	91827	23.32	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	37102	32.17	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	180233	19.25	ng	-0.01
78) Terphenyl-d14	13.08	244	214537	31.44	ng	0.00

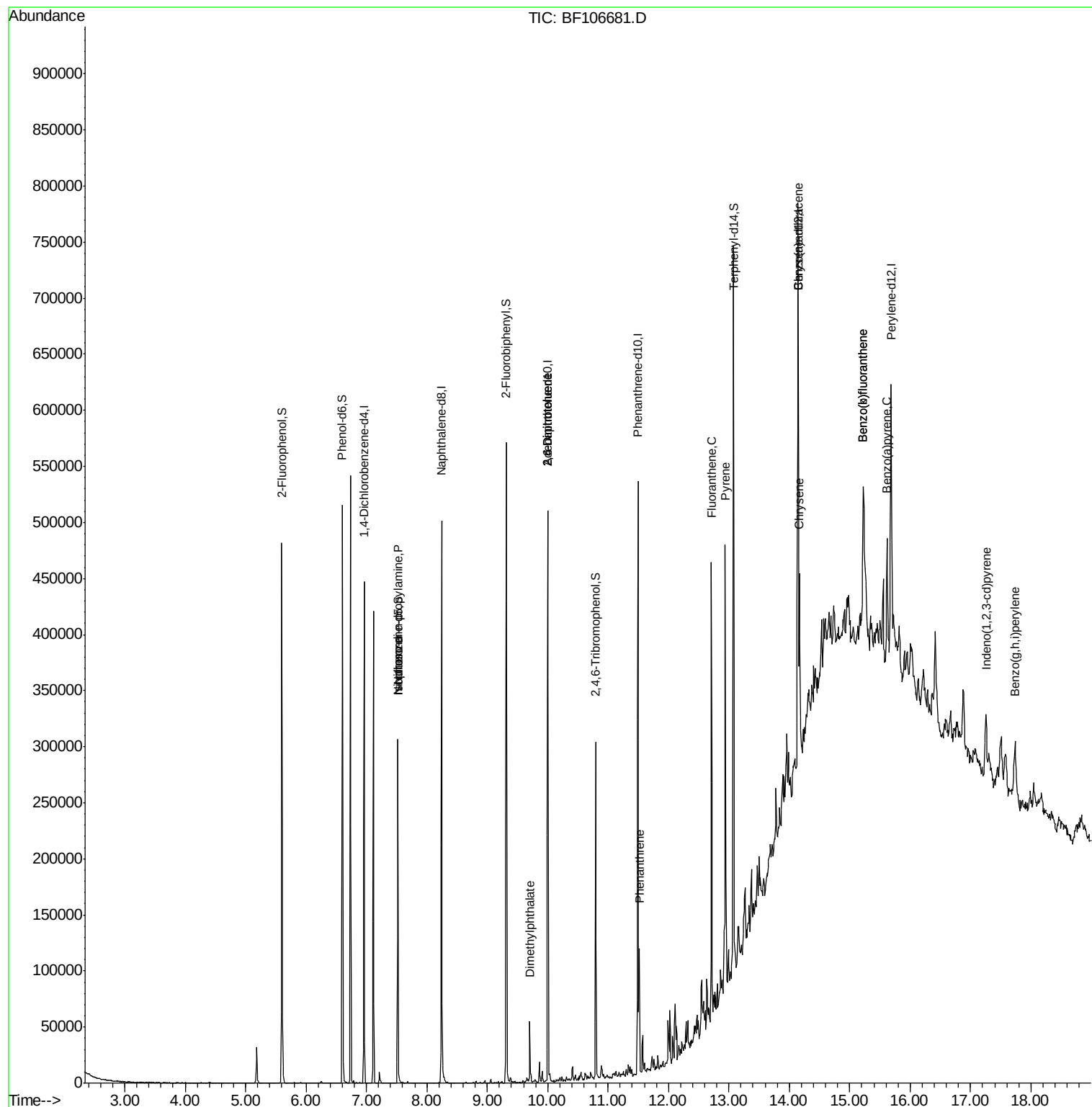
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.52	70	11627	3.942	ng	# 74
25) Isophorone	7.52	82	91824	13.231	ng	# 64
49) Dimethylphthalate	9.71	163	21289	2.853	ng	100
50) 2,6-Dinitrotoluene	10.00	165	12781	8.088	ng	# 24
56) 2,4-Dinitrotoluene	10.00	165	12781	6.196	ng	# 21
70) Phenanthrene	11.52	178	36333	3.972	ng	98
74) Fluoranthene	12.71	202	151271	15.004	ng	96
77) Pyrene	12.94	202	160631	14.739	ng	99
80) Benzo(a)anthracene	14.14	228	83801	8.320	ng	95
82) Chrysene	14.17	228	69170	7.465	ng	96
85) Indeno(1,2,3-cd)pyrene	17.25	276	39118	4.974	ng	# 87
87) Benzo(b)fluoranthene	15.22	252	104543	14.240	ng	# 88
88) Benzo(k)fluoranthene	15.22	252	104543	14.954	ng	# 91
89) Benzo(a)pyrene	15.62	252	59036	9.046	ng	95
91) Benzo(a,h,i)perylene	17.74	276	43602	8.065	ng	# 92

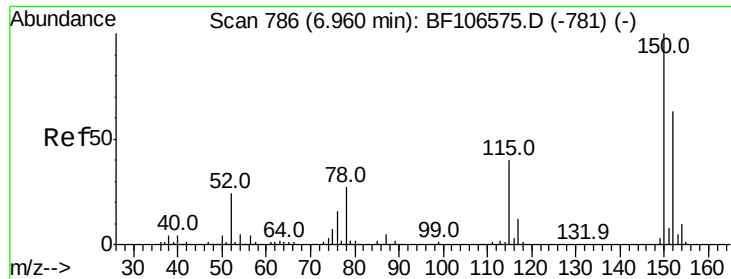
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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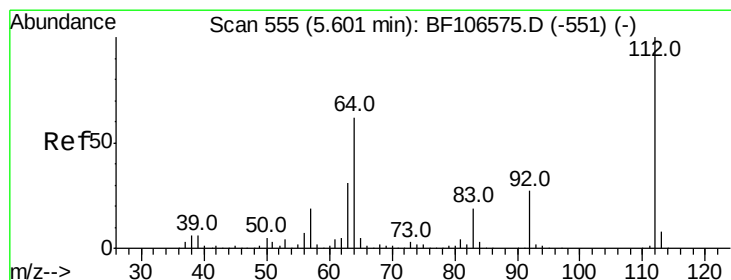
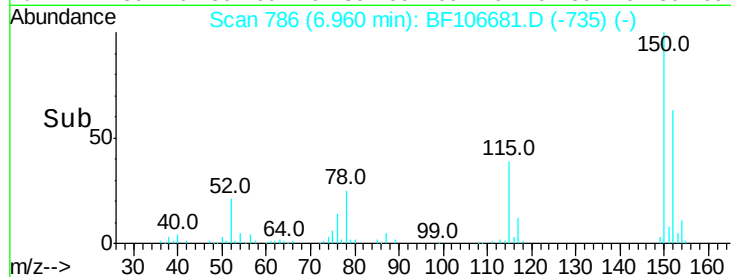
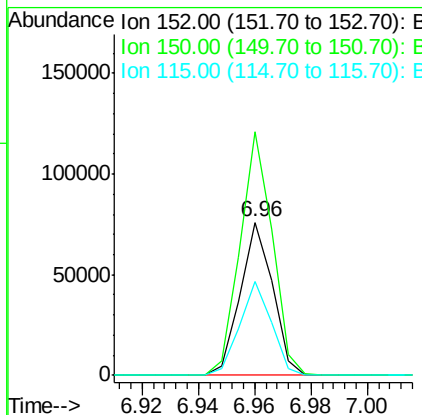
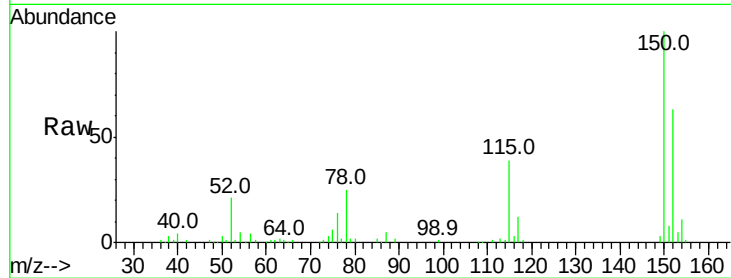


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF106681.D
Acq: 22 Jun 2018 00:29

Instrument :
BNA_F
ClientSampleId :

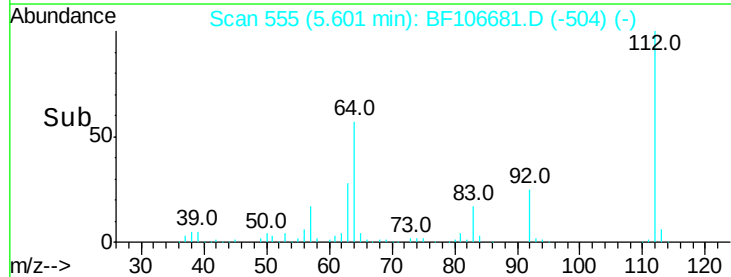
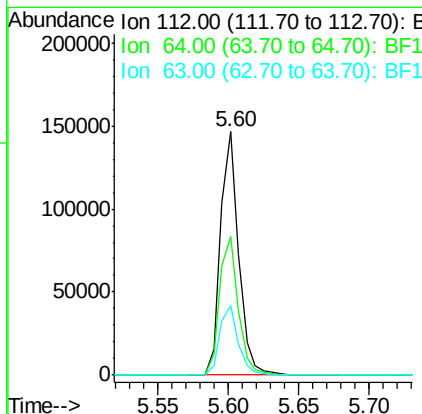
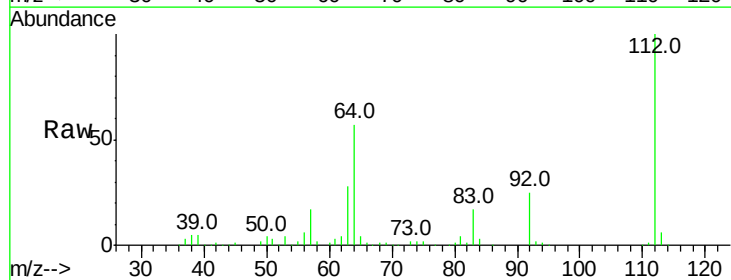
Tot Ion:152 Resp: 60671
Ion Ratio Lower Upper
152 100
150 159.2 124.6 186.8
115 61.5 50.1 75.1

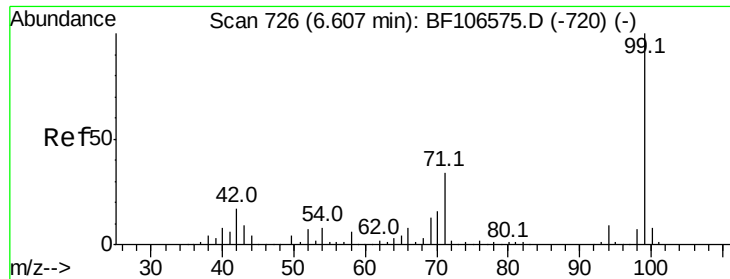


#5

2-Fluorophenol
Concen: 36.700 ng
RT: 5.60 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF106681.D
Acq: 22 Jun 2018 00:29

Tgt Ion:112 Resp: 131495
Ion Ratio Lower Upper
112 100
64 57.2 47.9 71.9
63 28.4 23.7 35.5





#7

Phenol-d6

Concen: 35.628 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF106681.D

Acq: 22 Jun 2018 00:29

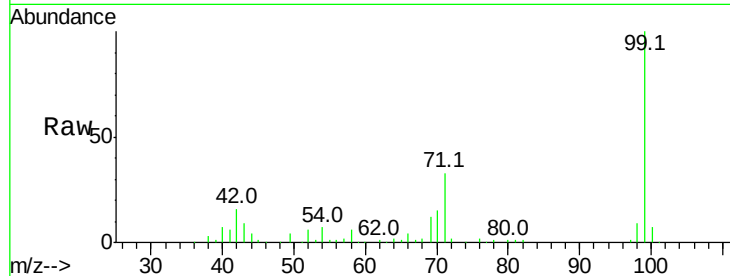
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 159417

Ion	Ratio	Lower	Upper
99	100		
42	16.3	14.5	21.7
71	33.0	25.4	38.0

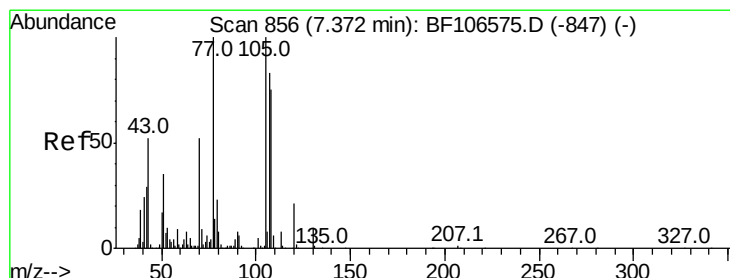
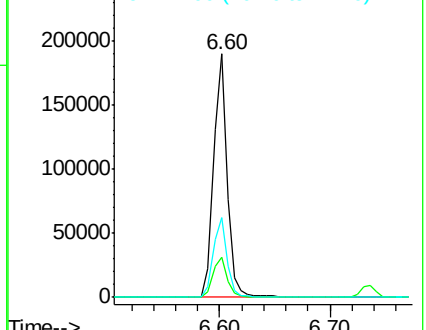
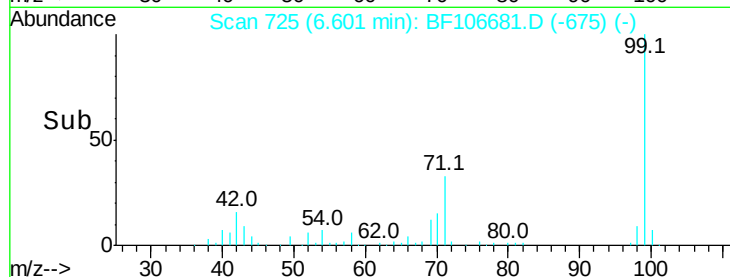


Abundance

Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 3.942 ng

RT: 7.52 min Scan# 881

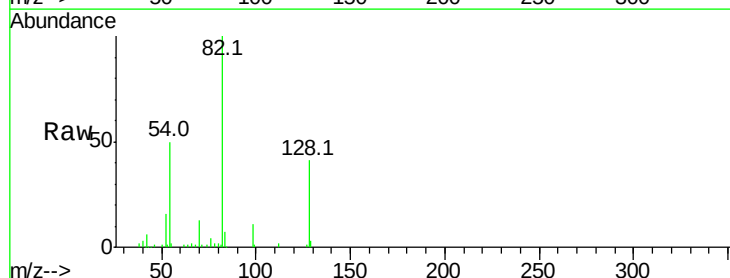
Delta R.T. 0.15 min

Lab File: BF106681.D

Acq: 22 Jun 2018 00:29

Tgt Ion: 70 Resp: 11627

Ion	Ratio	Lower	Upper
70	100		
42	44.6	47.5	71.3#
101	0.0	7.4	11.2#
130	0.0	16.6	25.0#



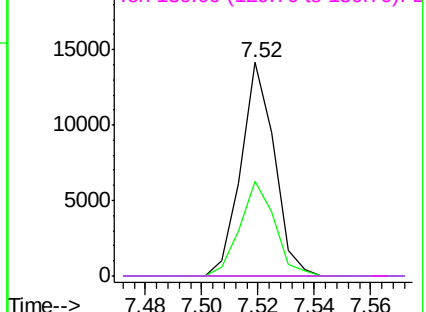
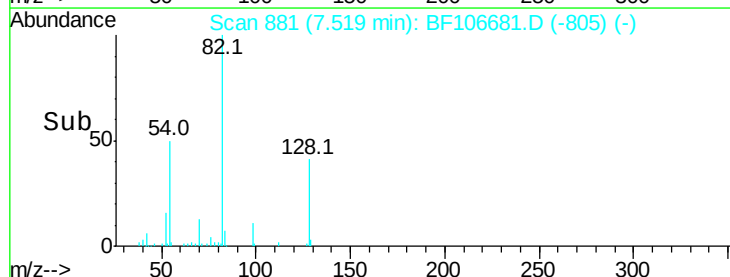
Abundance

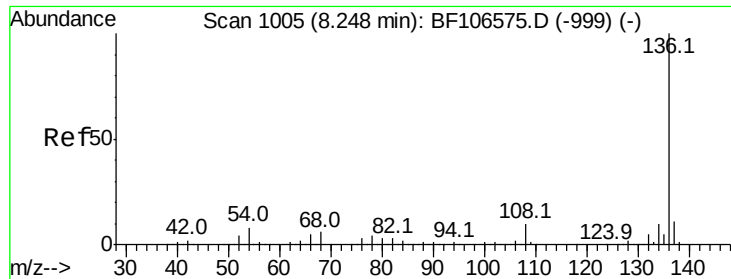
Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

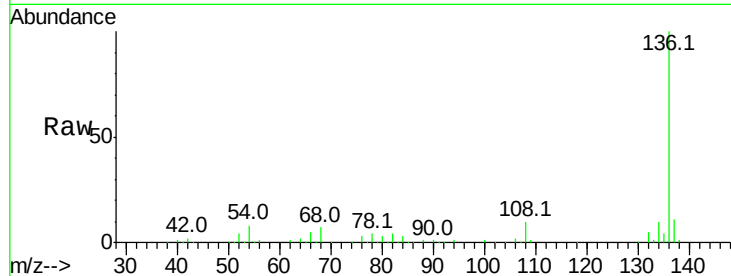




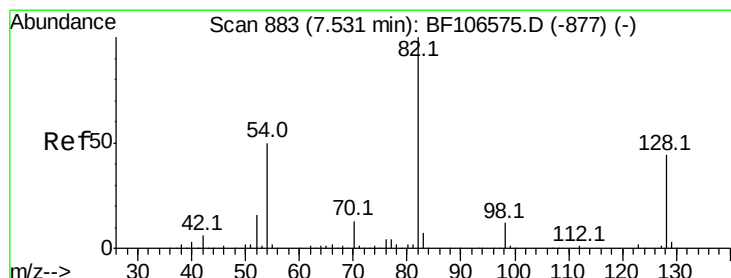
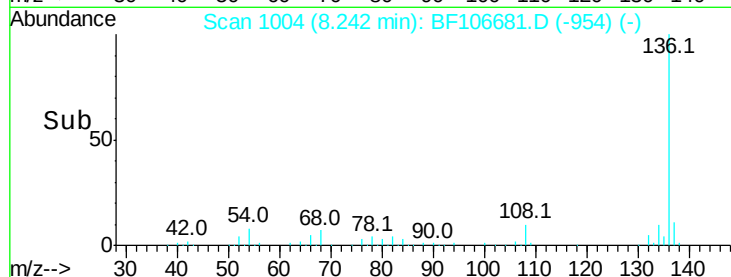
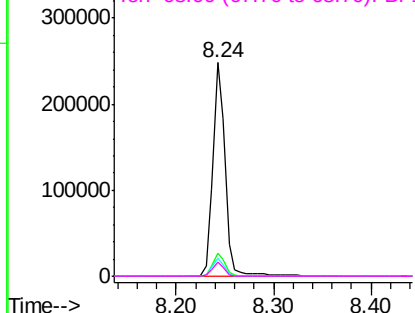
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF106681.D
Acq: 22 Jun 2018 00:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	218871
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	8.4	6.6	9.8
68	6.8	5.0	7.4

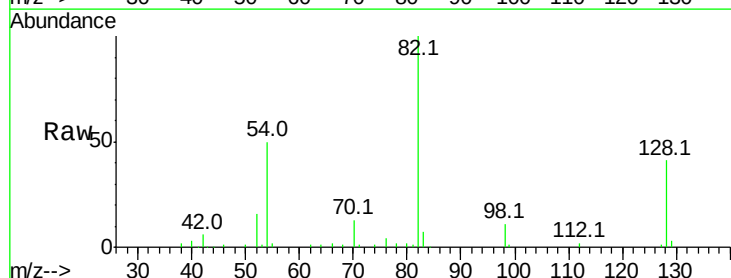


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

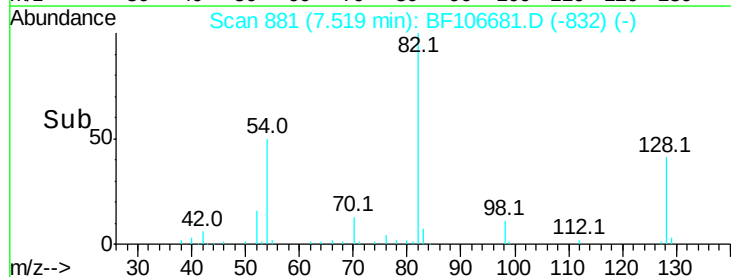
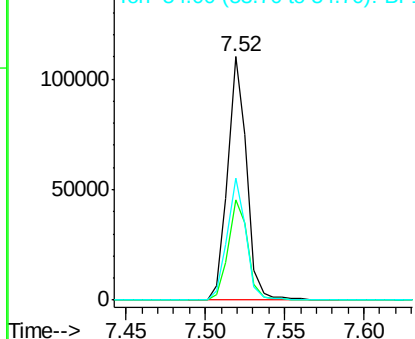


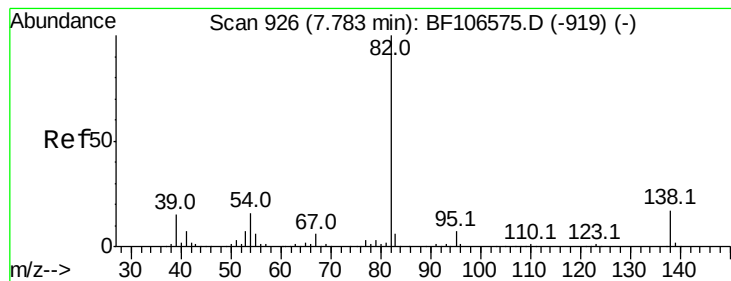
#23
Nitrobenzene-d5
Concen: 23.316 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF106681.D
Acq: 22 Jun 2018 00:29

Tgt Ion:	82	Resp:	91827
Ion	Ratio	Lower	Upper
82	100		
128	41.1	36.1	54.1
54	50.3	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: 13.231 ng

RT: 7.52 min Scan# 881

Delta R.T. -0.26 min

Lab File: BF106681.D

Acq: 22 Jun 2018 00:29

Instrument :

BNA_F

ClientSampled :

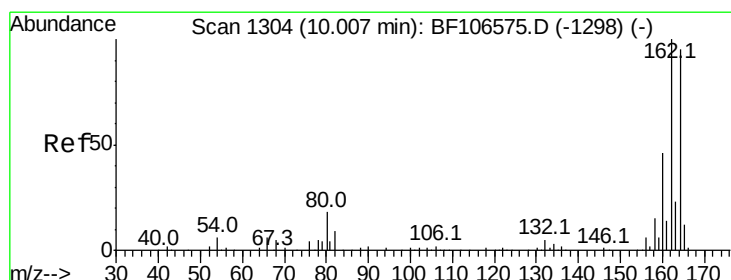
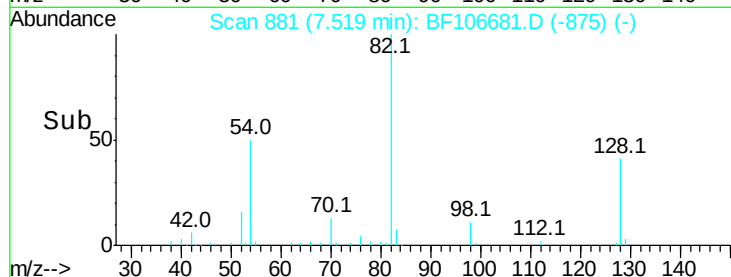
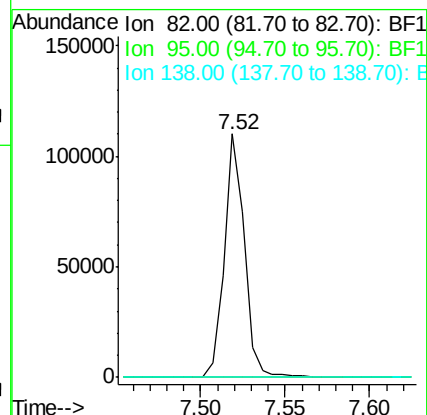
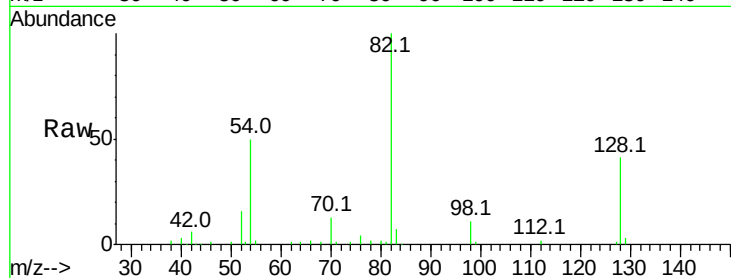
Tot Ion: 82 Resp: 91824

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: BF106681.D

Acq: 22 Jun 2018 00:29

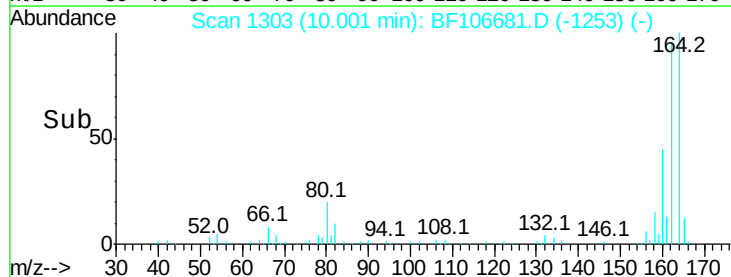
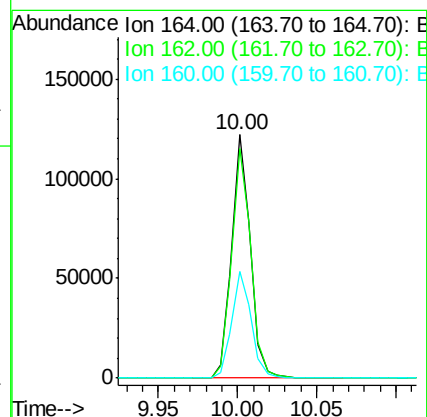
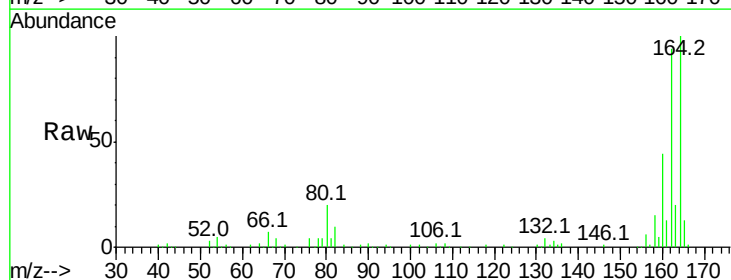
Tgt Ion:164 Resp: 99503

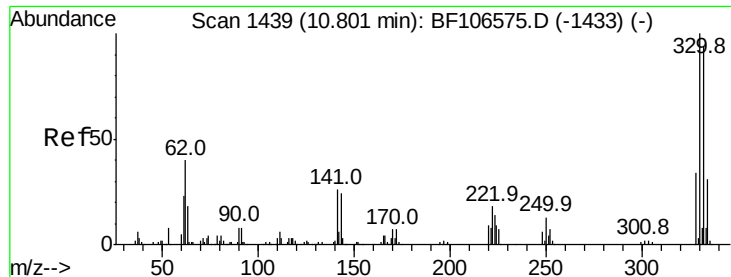
Ion Ratio Lower Upper

164 100

162 94.3 86.1 129.1

160 43.7 38.3 57.5

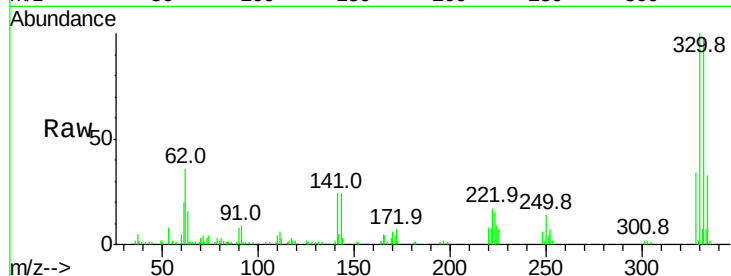




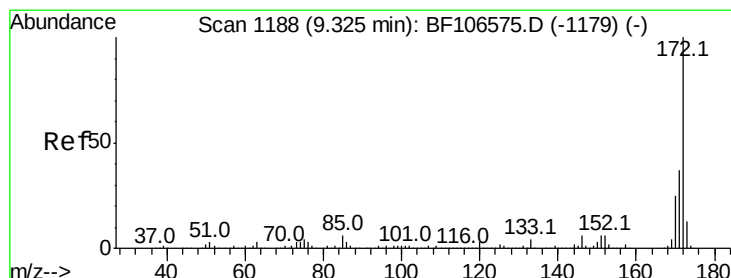
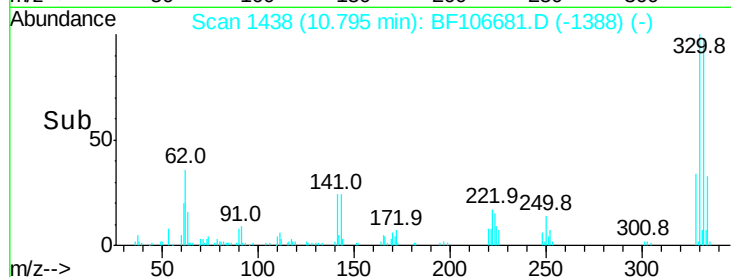
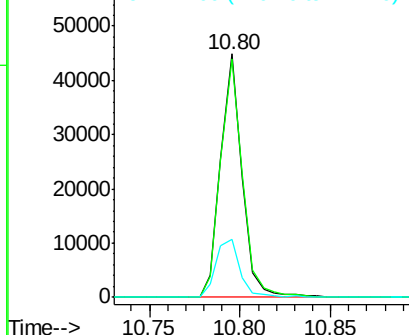
#41
 2,4,6-Tribromophenol
 Concen: 32.171 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF106681.D
 Acq: 22 Jun 2018 00:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 37102
 Ion Ratio Lower Upper
 330 100
 332 99.7 77.0 115.6
 141 26.9 29.9 44.9#

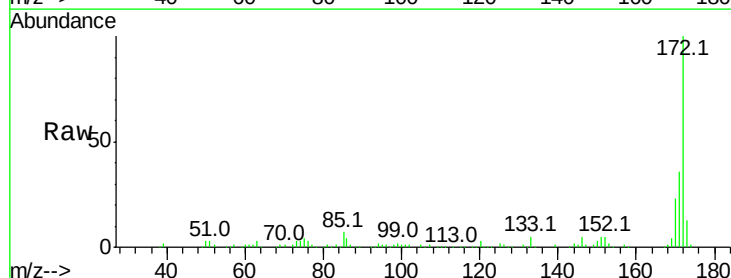


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

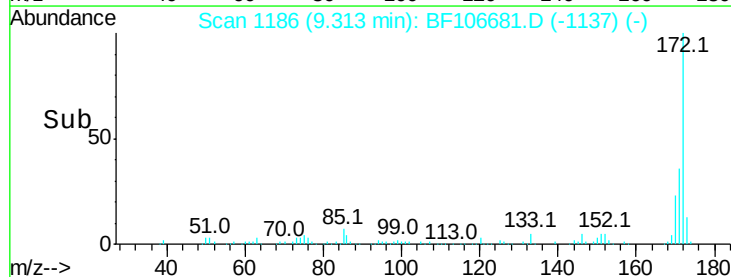
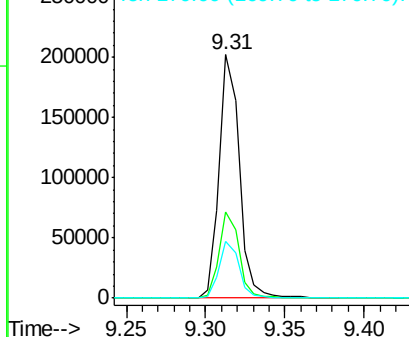


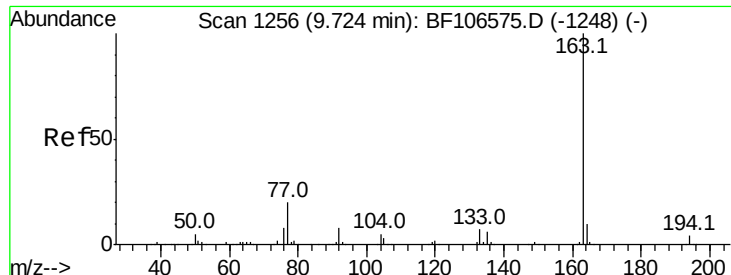
#44
 2-Fluorobiphenyl
 Concen: 19.248 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF106681.D
 Acq: 22 Jun 2018 00:29

Tgt Ion:172 Resp: 180233
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.7 44.5
 170 23.3 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: 2.853 ng

RT: 9.71 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF106681.D

Acq: 22 Jun 2018 00:29

Instrument :

BNA_F

ClientSampleId :

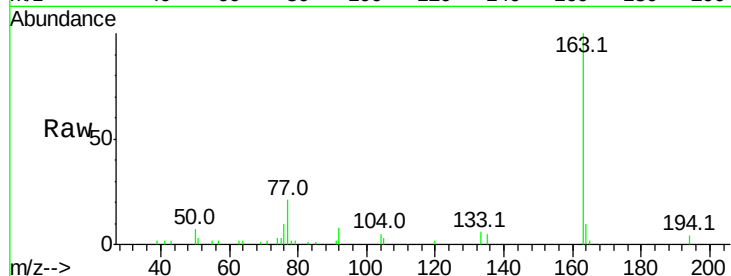
Tot Ion:163 Resp: 21289

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

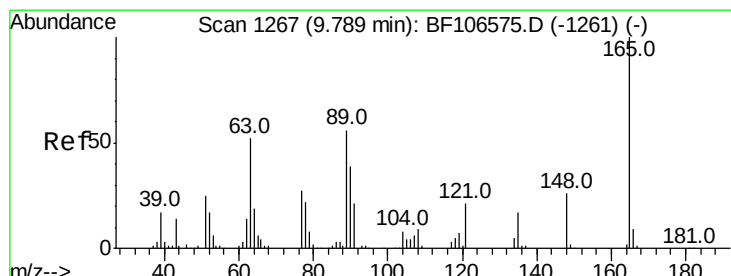
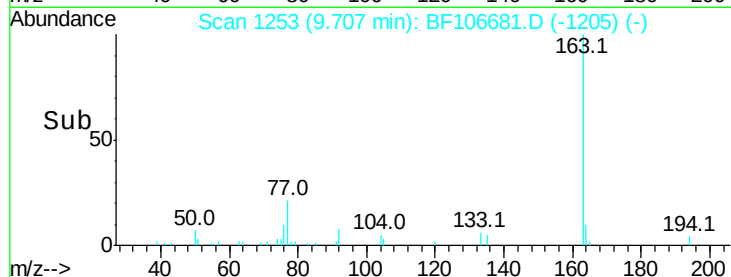
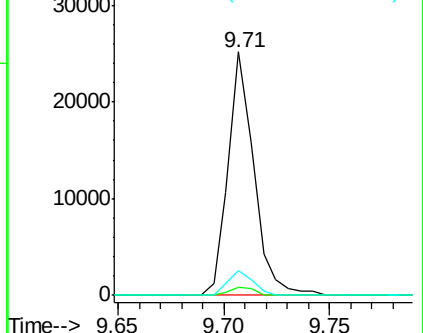
164 10.3 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 8.088 ng

RT: 10.00 min Scan# 1303

Delta R.T. 0.21 min

Lab File: BF106681.D

Acq: 22 Jun 2018 00:29

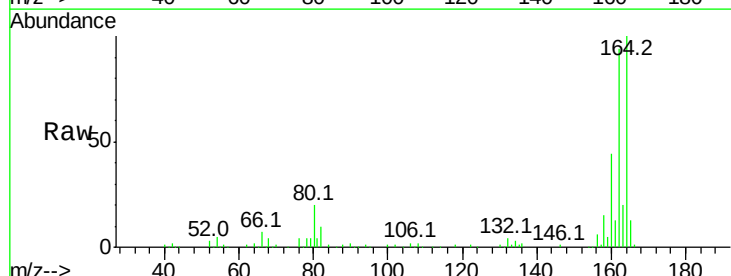
Tgt Ion:165 Resp: 12781

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

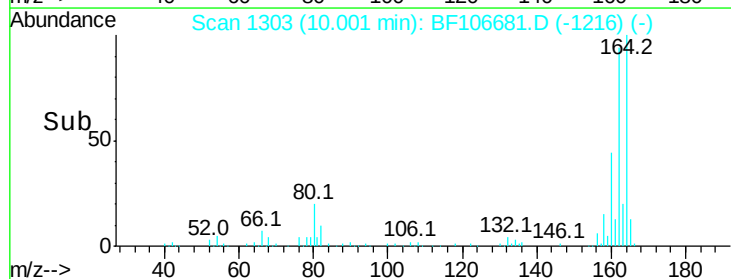
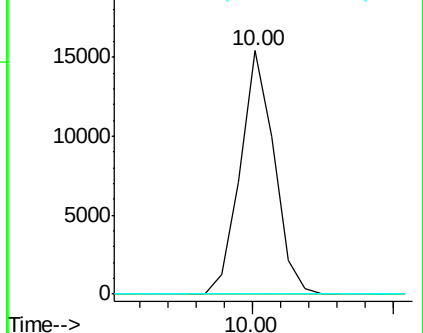
89 0.0 44.0 66.0#

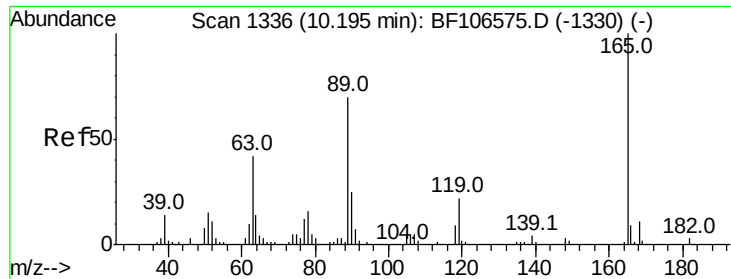


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

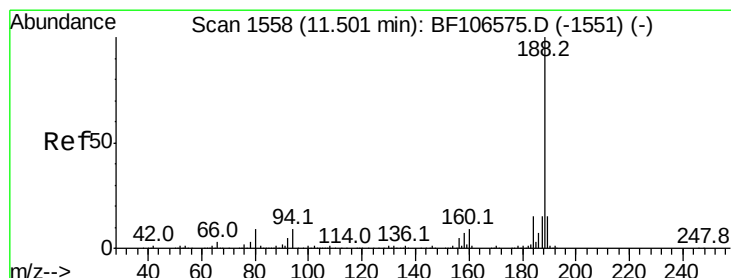
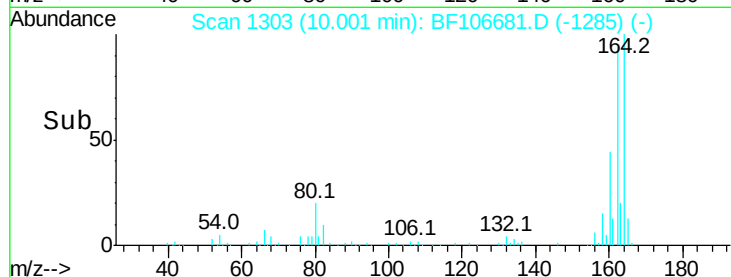
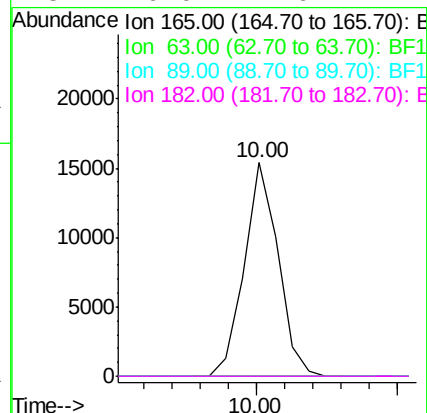
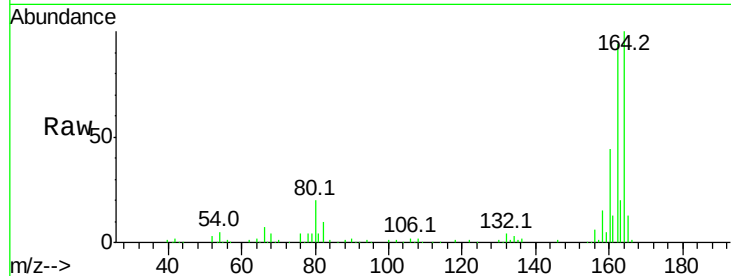




#56
2,4-Dinitrotoluene
Concen: 6.196 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.19 min
Lab File: BF106681.D
Acq: 22 Jun 2018 00:29

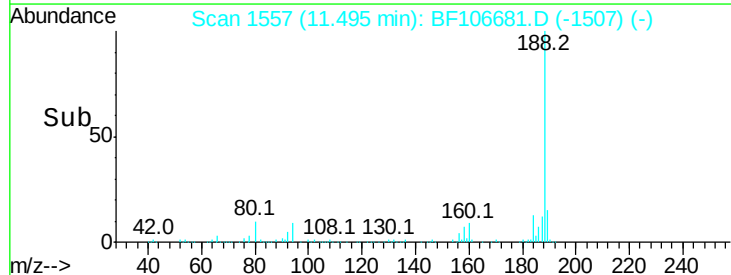
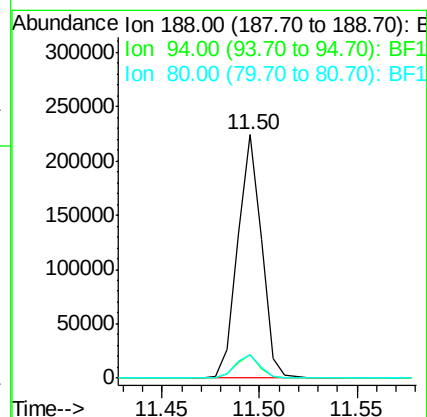
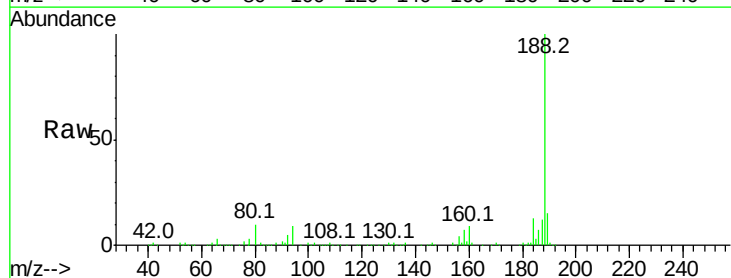
Instrument :
BNA_F
ClientSampleId :

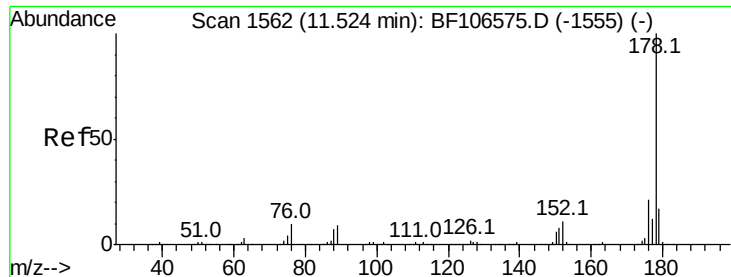
Tot Ion:165 Resp: 12781
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 0.0 57.8 86.6#
182 0.0 1.6 2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF106681.D
Acq: 22 Jun 2018 00:29

Tgt Ion:188 Resp: 189651
Ion Ratio Lower Upper
188 100
94 9.5 8.5 12.7
80 9.6 9.2 13.8

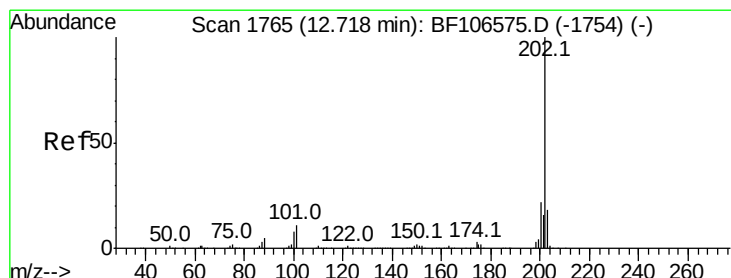
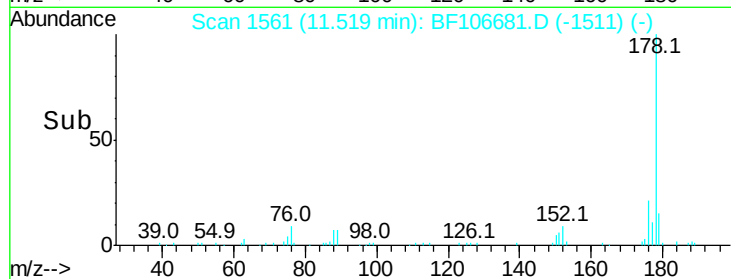
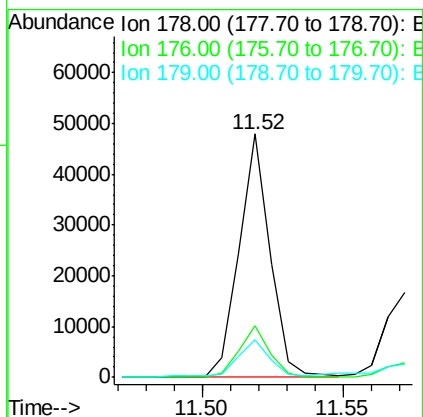
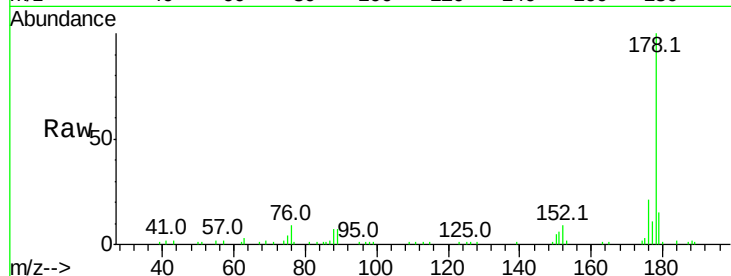




#70
Phenanthrene
Concen: 3.972 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF106681.D
Acq: 22 Jun 2018 00:29

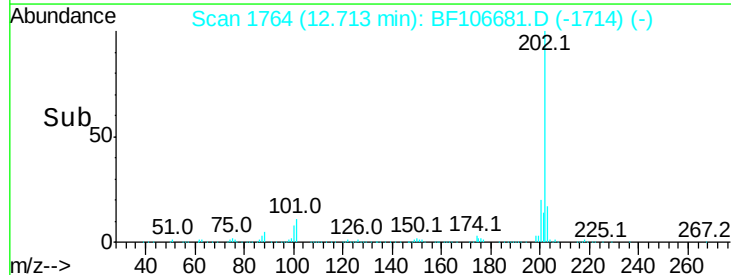
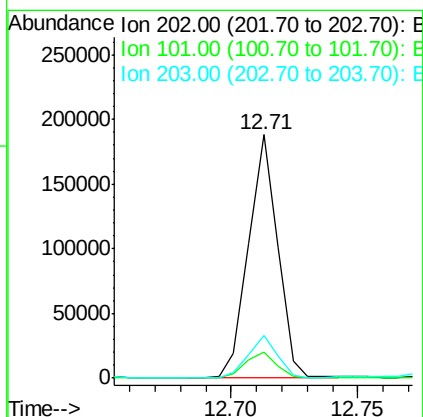
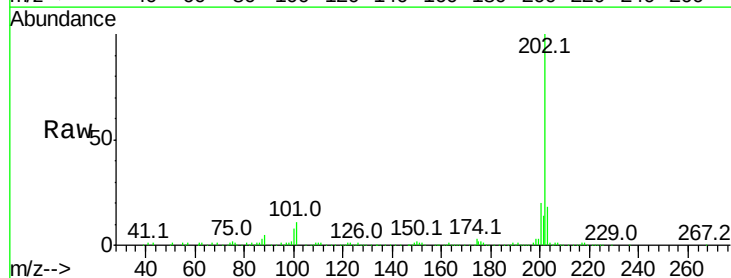
Instrument :
BNA_F
ClientSampleId :

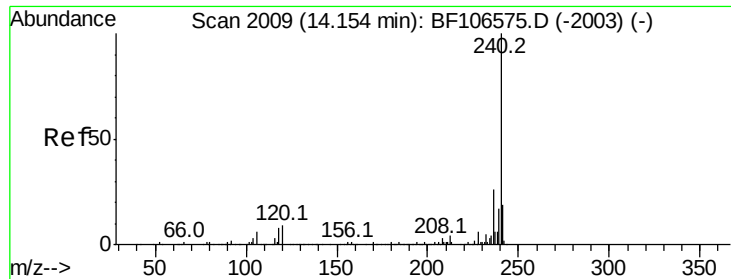
Tot Ion:178 Resp: 36333
Ion Ratio Lower Upper
178 100
176 21.0 15.8 23.8
179 15.5 13.0 19.6



#74
Fluoranthene
Concen: 15.004 ng
RT: 12.71 min Scan# 1764
Delta R.T. -0.01 min
Lab File: BF106681.D
Acq: 22 Jun 2018 00:29

Tgt Ion:202 Resp: 151271
Ion Ratio Lower Upper
202 100
101 10.6 0.0 34.1
203 17.5 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: BF106681.D

Acq: 22 Jun 2018 00:29

Instrument :

BNA_F

ClientSampleId :

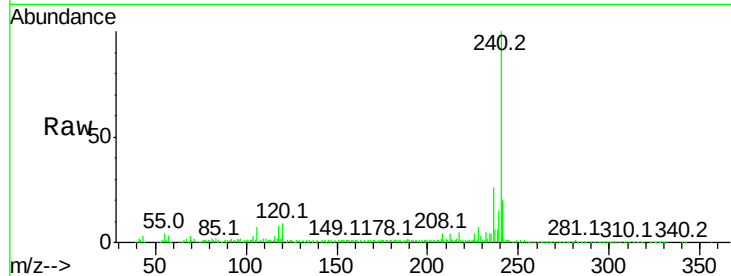
Tot Ion:240 Resp: 165264

Ion Ratio Lower Upper

240 100

120 9.4 9.5 14.3#

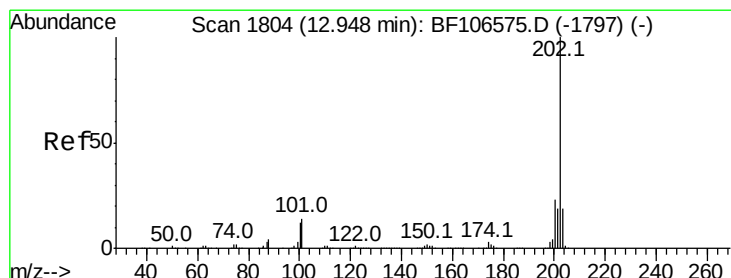
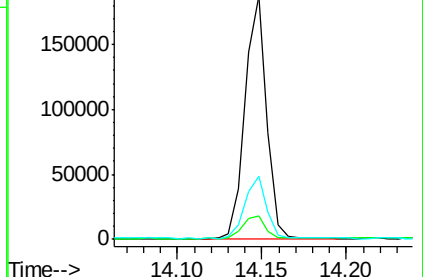
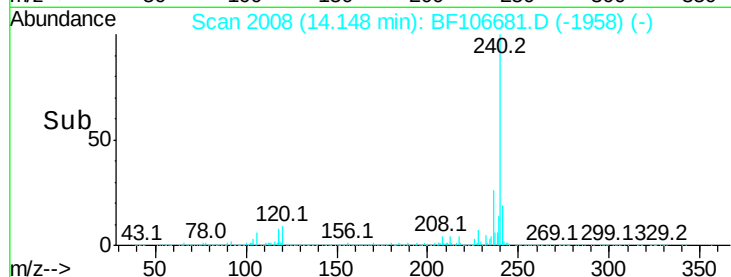
236 25.9 20.7 31.1



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: 14.739 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF106681.D

Acq: 22 Jun 2018 00:29

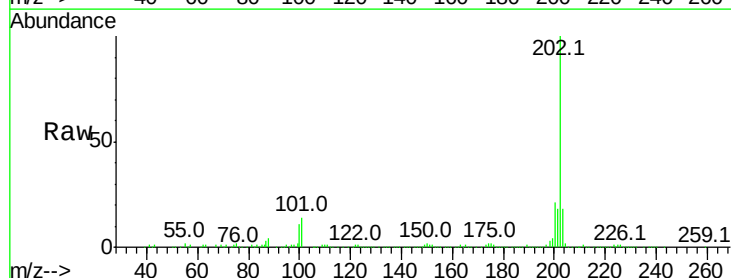
Tgt Ion:202 Resp: 160631

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

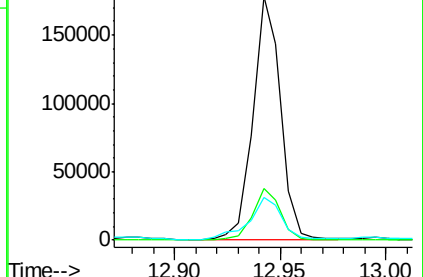
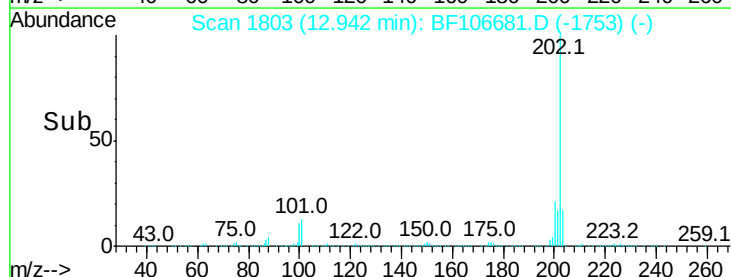
203 17.8 14.3 21.5

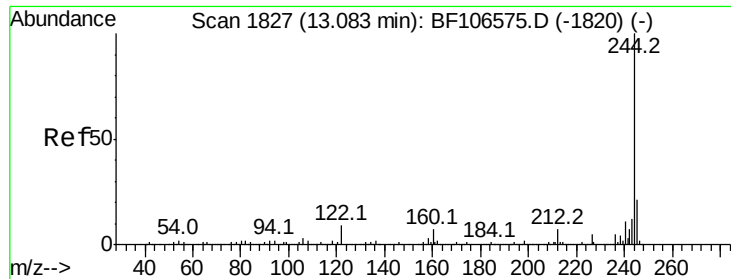


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 31.445 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF106681.D

Acq: 22 Jun 2018 00:29

Instrument :

BNA_F

ClientSampleId :

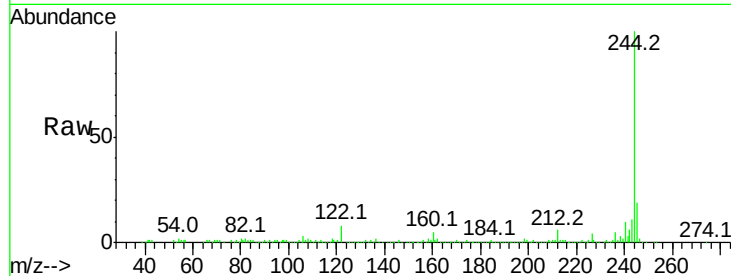
Tot Ion:244 Resp: 214537

Ion Ratio Lower Upper

244 100

212 6.1 5.4 8.0

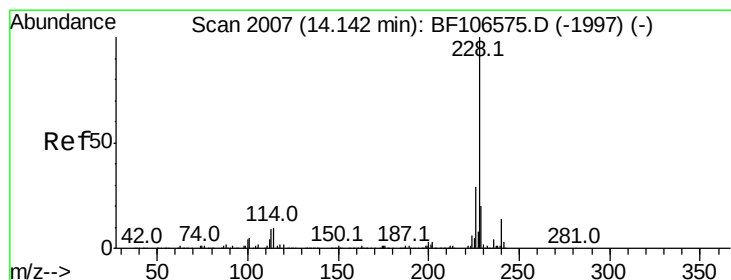
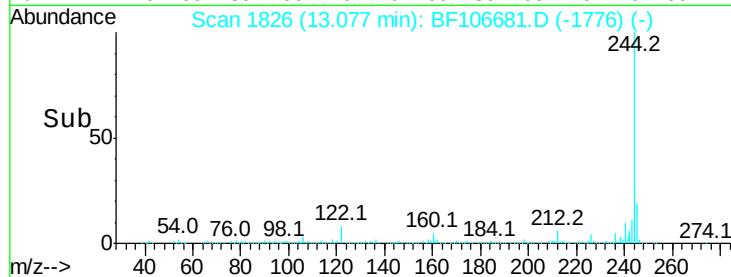
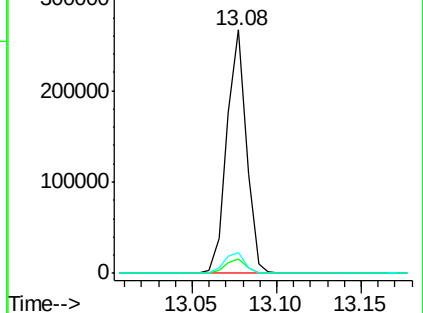
122 8.5 11.0 16.4#



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: 8.320 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF106681.D

Acq: 22 Jun 2018 00:29

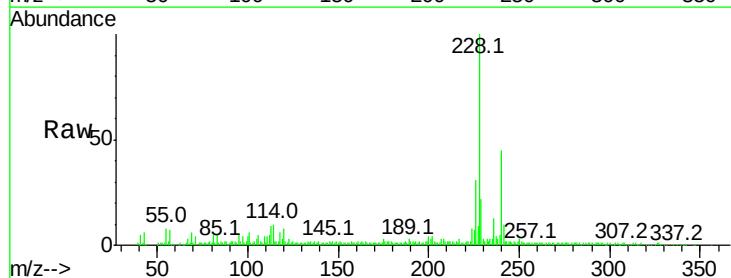
Tgt Ion:228 Resp: 83801

Ion Ratio Lower Upper

228 100

226 30.8 22.6 33.8

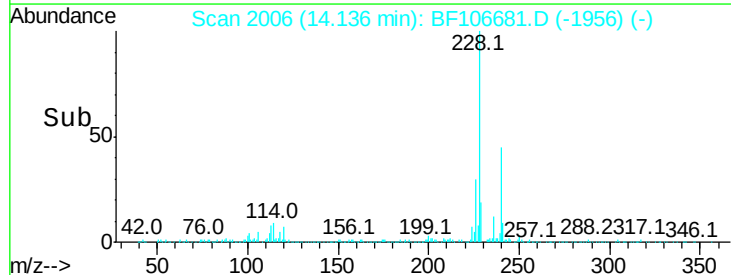
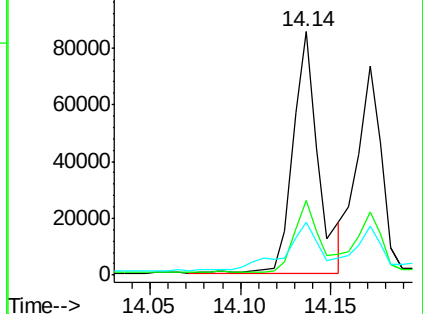
229 21.9 15.8 23.6

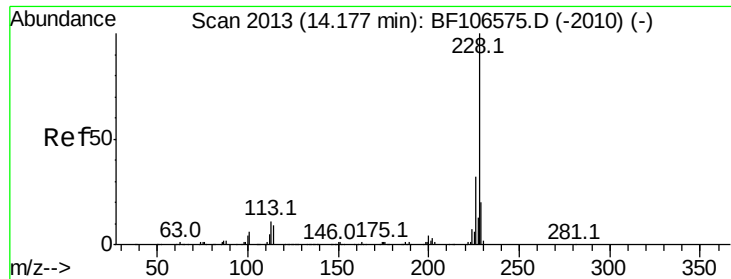


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 7.465 ng

RT: 14.17 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF106681.D

Acq: 22 Jun 2018 00:29

Instrument :

BNA_F

ClientSampleId :

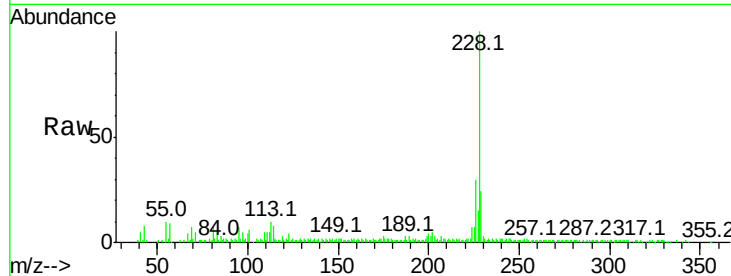
Tot Ion:228 Resp: 69170

Ion Ratio Lower Upper

228 100

226 30.4 25.0 37.6

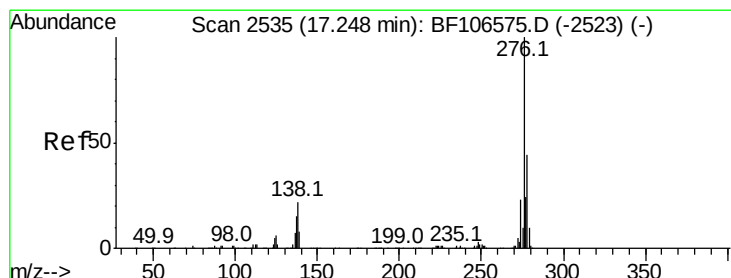
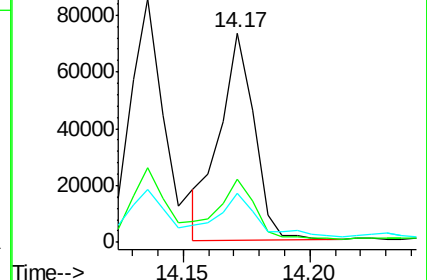
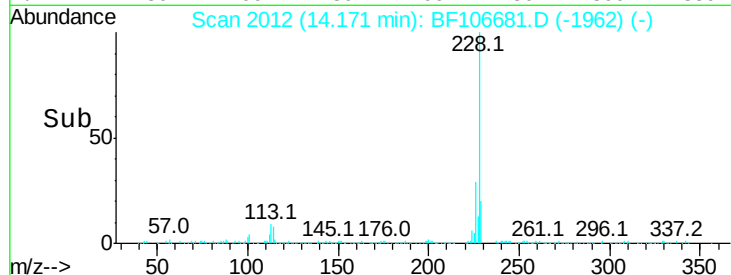
229 23.6 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.974 ng

RT: 17.25 min Scan# 2536

Delta R.T. 0.01 min

Lab File: BF106681.D

Acq: 22 Jun 2018 00:29

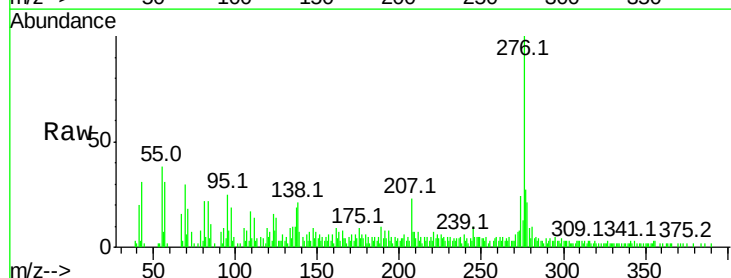
Tgt Ion:276 Resp: 39118

Ion Ratio Lower Upper

276 100

138 18.6 25.0 37.6#

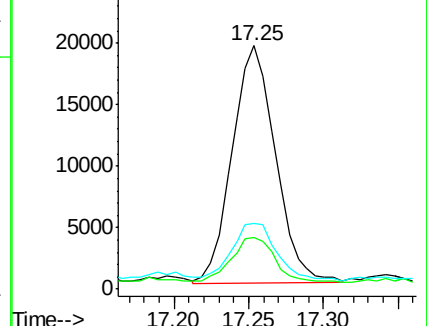
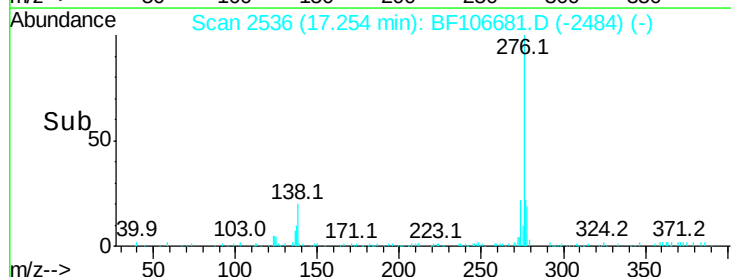
277 25.2 20.1 30.1

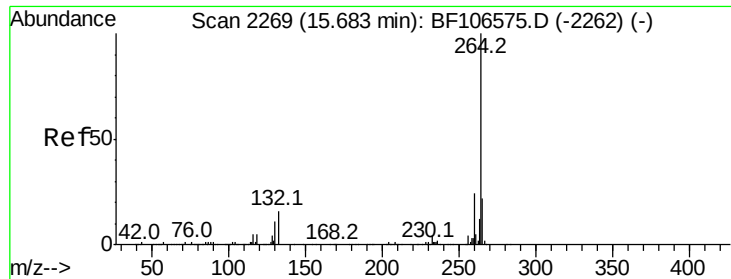


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2269

Delta R.T. 0.00 min

Lab File: BF106681.D

Acq: 22 Jun 2018 00:29

Instrument :

BNA_F

ClientSampleId :

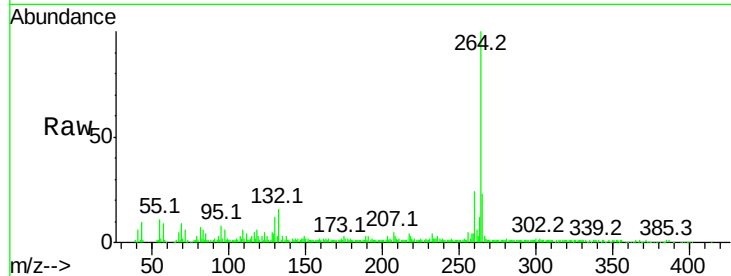
Tot Ion:264 Resp: 118180

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

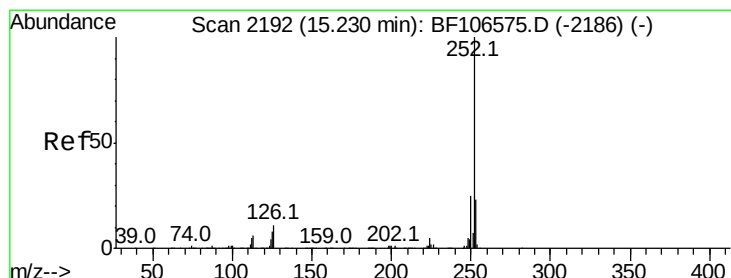
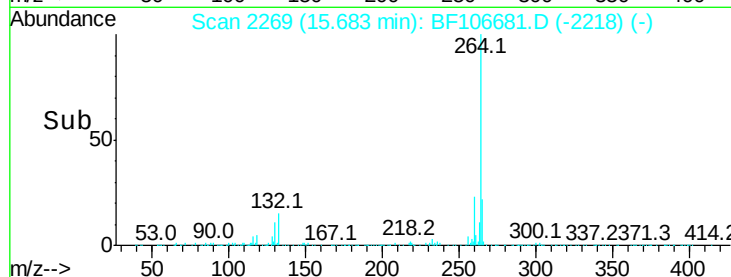
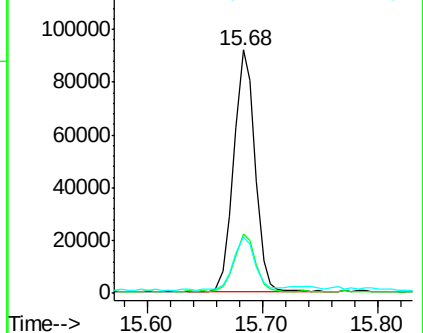
265 23.2 17.5 26.3



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: 14.240 ng

RT: 15.22 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BF106681.D

Acq: 22 Jun 2018 00:29

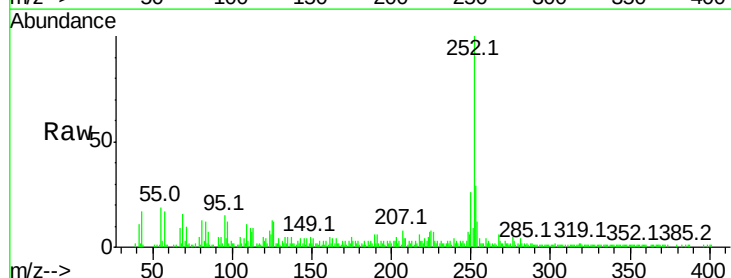
Tgt Ion:252 Resp: 104543

Ion Ratio Lower Upper

252 100

253 28.8 17.0 25.6#

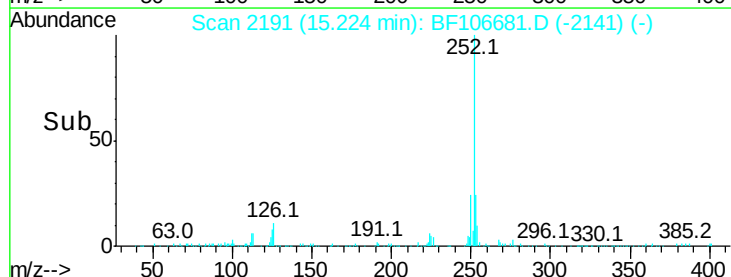
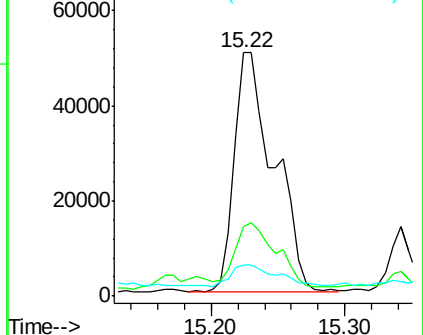
125 12.7 9.0 13.6

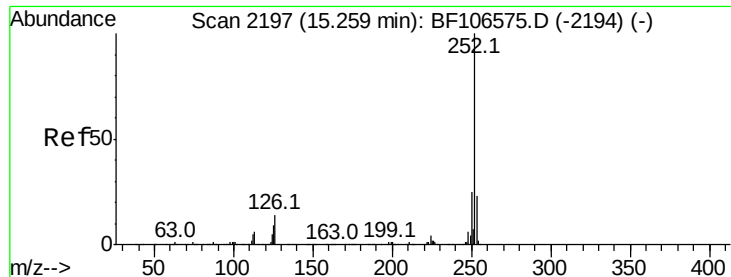


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

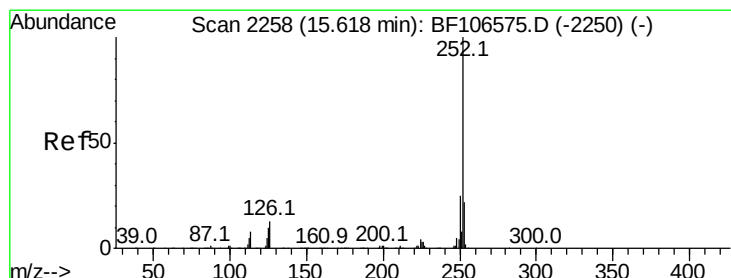
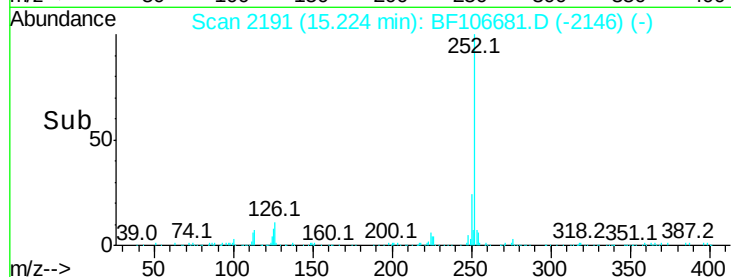
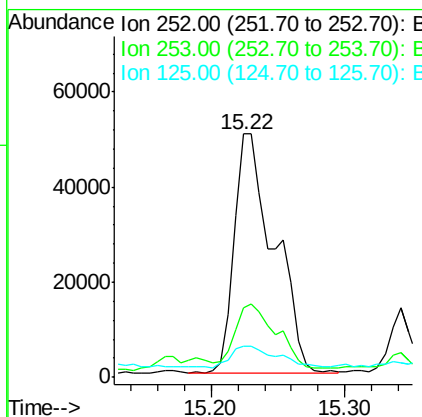
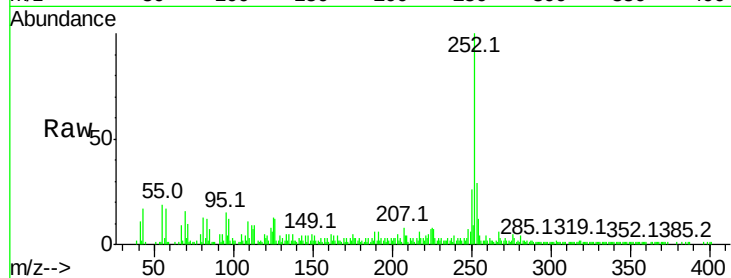




#88
Benzo(k)fluoranthene
Concen: 14.954 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.04 min
Lab File: BF106681.D
Acq: 22 Jun 2018 00:29

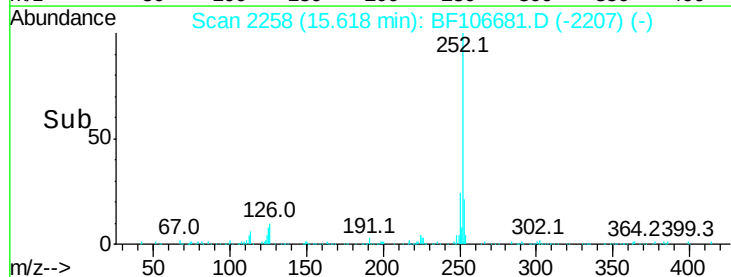
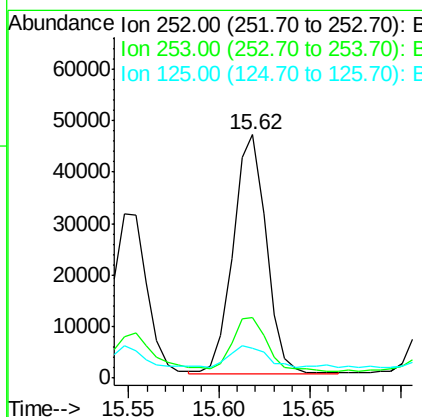
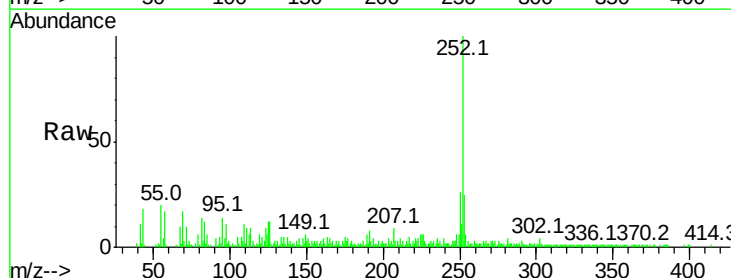
Instrument :
BNA_F
ClientSampleId :

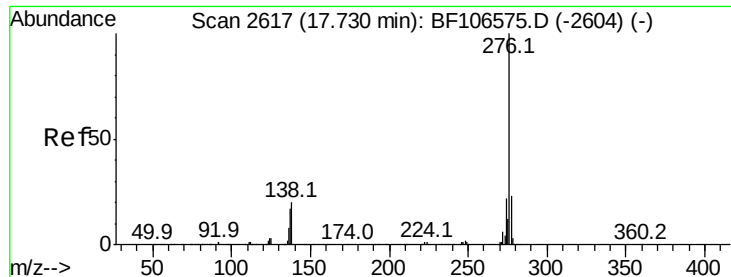
Tot Ion:252 Resp: 104543
Ion Ratio Lower Upper
252 100
253 28.8 17.9 26.9#
125 12.7 10.2 15.2



#89
Benzo(a)pyrene
Concen: 9.046 ng
RT: 15.62 min Scan# 2258
Delta R.T. 0.00 min
Lab File: BF106681.D
Acq: 22 Jun 2018 00:29

Tgt Ion:252 Resp: 59036
Ion Ratio Lower Upper
252 100
253 24.9 17.1 25.7
125 12.4 9.8 14.6





#91

Benzo(a,h,i)perylene

Concen: 8.065 ng

RT: 17.74 min Scan# 2618

Delta R.T. 0.01 min

Lab File: BF106681.D

Acq: 22 Jun 2018 00:29

Instrument :

BNA_F

ClientSampleId :

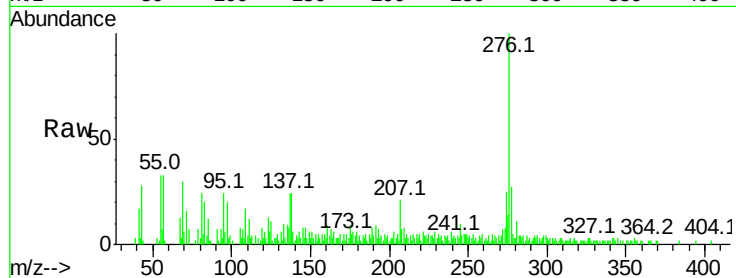
Tot Ion:276 Resp: 43602

Ion Ratio Lower Upper

276 100

277 27.2 17.9 26.9#

138 24.0 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

