

Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
 Data File : BF102474.D
 Acq On : 26 Jan 2018 17:48
 Operator : SJ/JU
 Sample : J1281-01 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 26 18:31:40 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 26 16:18:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	169105	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	683128	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	273345	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	388425	20.00	ng	0.00
75) Chrysene-d12	13.89	240	303524	20.00	ng	0.00
86) Perylene-d12	15.32	264	209020	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	607975	54.51	ng	0.00
7) Phenol-d6	6.36	99	725205	53.94	ng	0.00
23) Nitrobenzene-d5	7.29	82	357822	30.10	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	87869	32.44	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	715103	38.47	ng	0.00
78) Terphenyl-d14	12.83	244	435316	32.33	ng	0.00

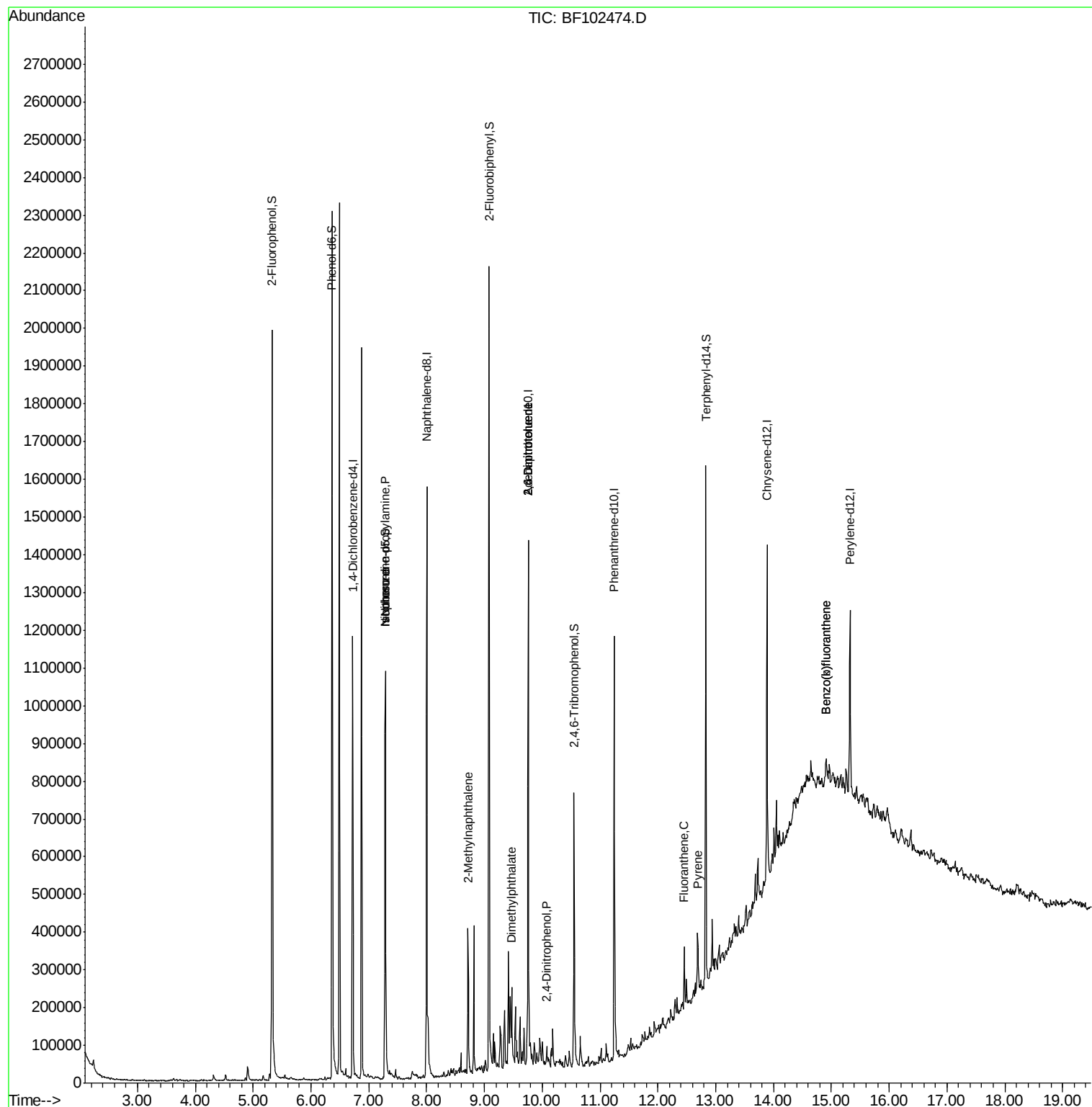
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	47668	5.793	ng	# 77
25) Isophorone	7.29	82	357816	16.884	ng	# 64
37) 2-Methylnaphthalene	8.72	142	109260	4.810	ng	97
49) Dimethylphthalate	9.47	163	67858	3.003	ng	98
50) 2,6-Dinitrotoluene	9.76	165	39799	8.170	ng	# 26
53) 2,4-Dinitrophenol	10.07	184	135	3.755	ng	# 1
56) 2,4-Dinitrotoluene	9.76	165	39799	6.644	ng	# 24
74) Fluoranthene	12.46	202	59860	2.593	ng	98
77) Pyrene	12.69	202	59283	2.526	ng	98
87) Benzo(b)fluoranthene	14.91	252	37261	2.750	ng	# 69
88) Benzo(k)fluoranthene	14.91	252	37261	2.911	ng	# 72

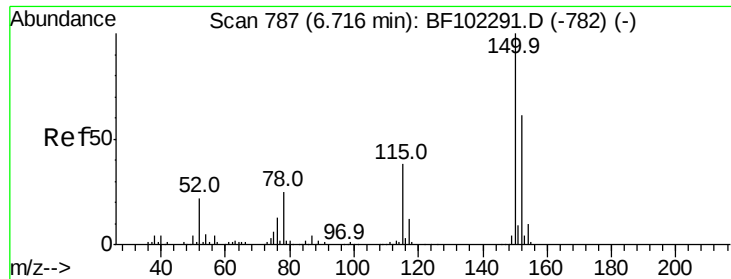
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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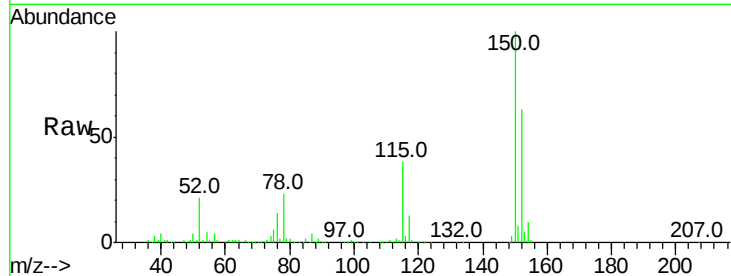


#1

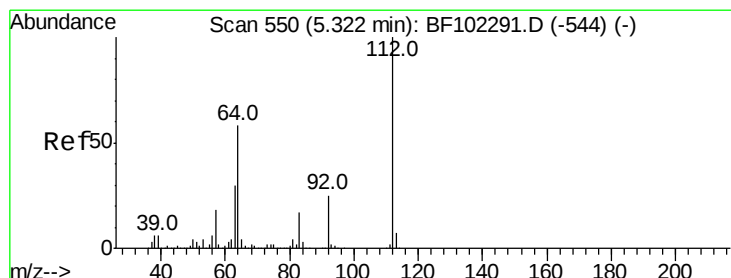
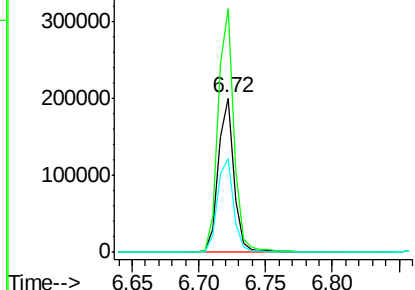
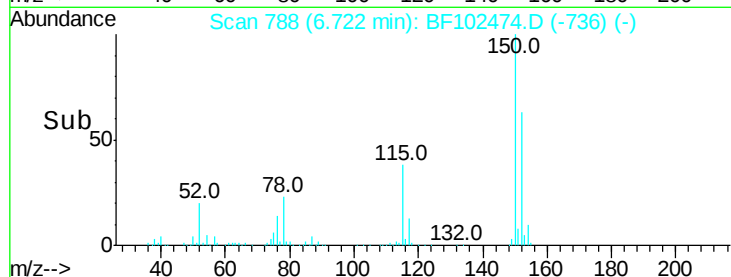
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.01 min
Lab File: BF102474.D
Acq: 26 Jan 2018 17:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 169105
Ion Ratio Lower Upper
152 100
150 157.8 124.6 186.8
115 60.5 50.1 75.1



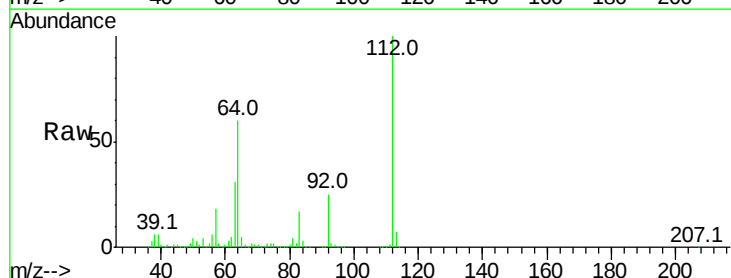
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



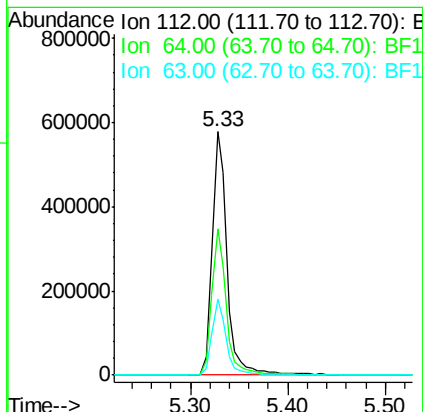
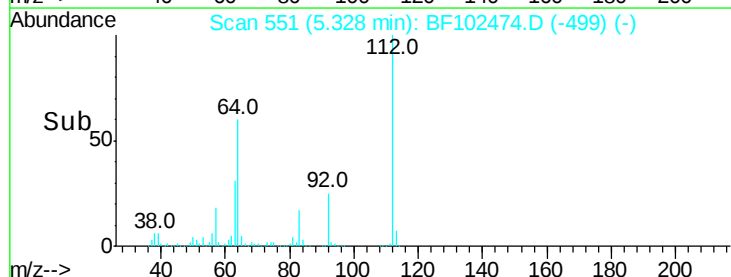
#5

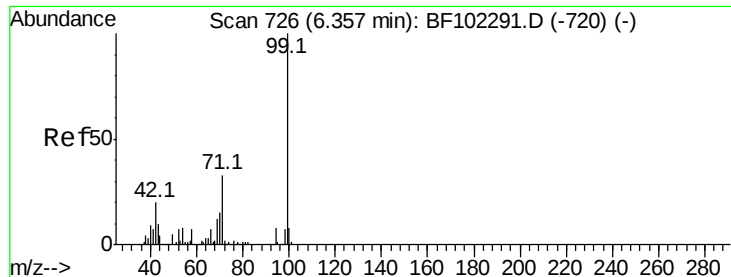
2-Fluorophenol
Concen: 54.513 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102474.D
Acq: 26 Jan 2018 17:48

Tgt Ion:112 Resp: 607975
Ion Ratio Lower Upper
112 100
64 60.1 47.9 71.9
63 31.0 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 53.936 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF102474.D

Acq: 26 Jan 2018 17:48

Instrument :

BNA_F

ClientSampleId :

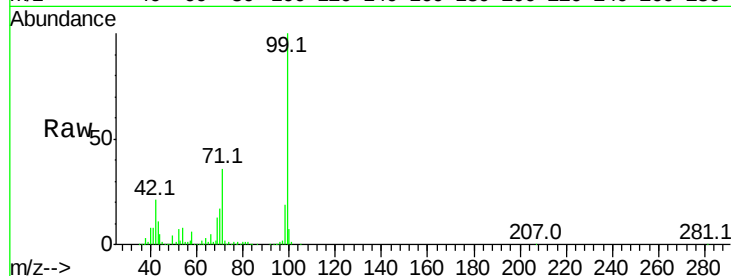
Tot Ion: 99 Resp: 725205

Ion Ratio Lower Upper

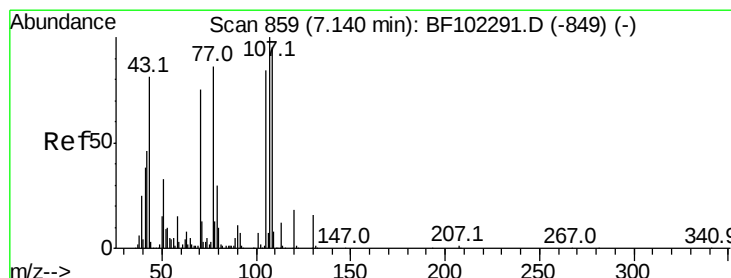
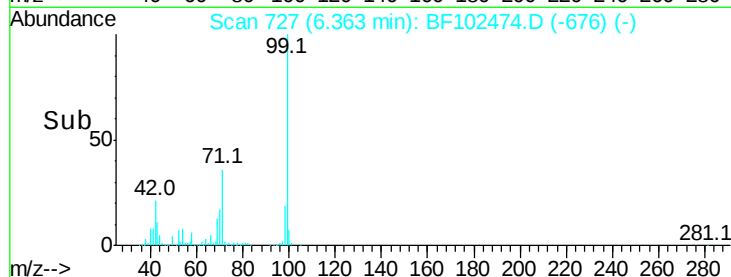
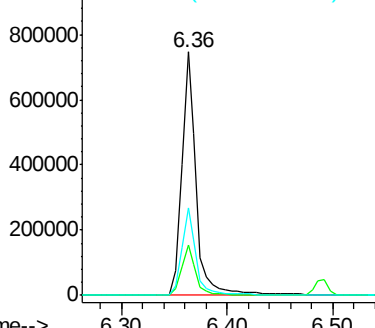
99 100

42 20.9 14.5 21.7

71 36.1 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



#19

n-Nitroso-di-n-propylamine

Concen: 5.793 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.15 min

Lab File: BF102474.D

Acq: 26 Jan 2018 17:48

Tgt Ion: 70 Resp: 47668

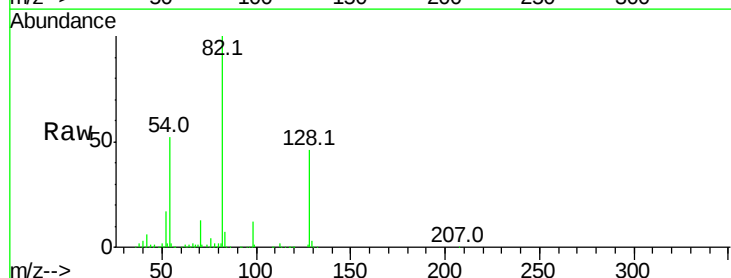
Ion Ratio Lower Upper

70 100

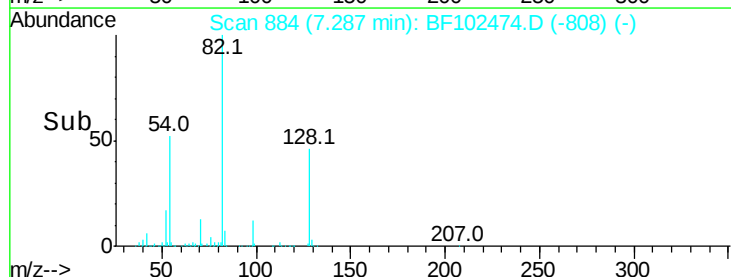
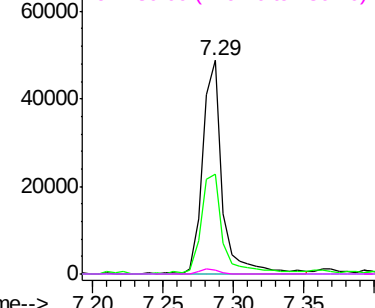
42 46.5 47.5 71.3#

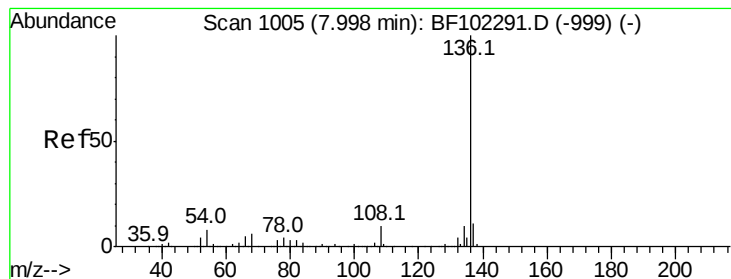
101 0.0 7.4 11.2#

130 1.8 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: 8.00 min Scan# 1006

Delta R.T. 0.01 min

Lab File: BF102474.D

Acq: 26 Jan 2018 17:48

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 683128

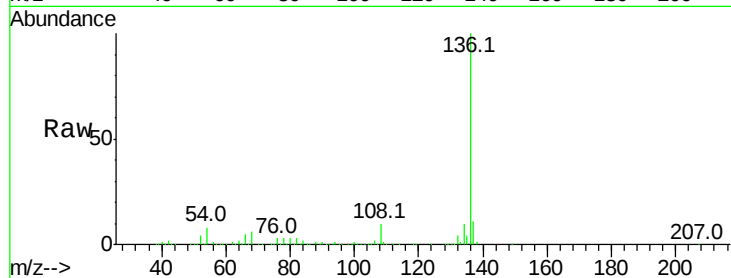
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 8.2 6.6 9.8

68 5.7 5.0 7.4

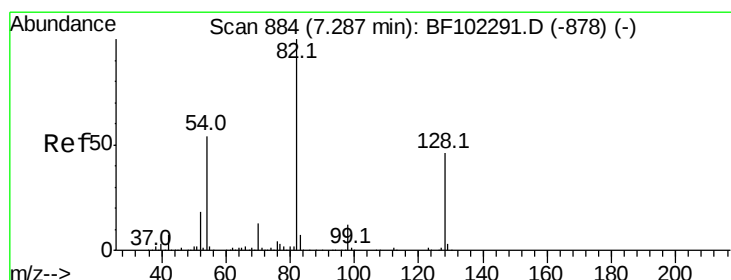
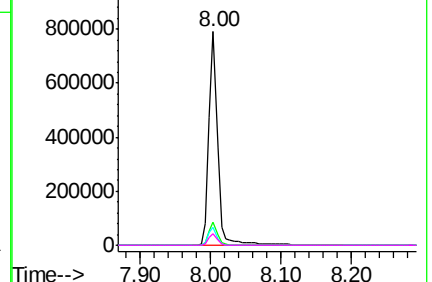
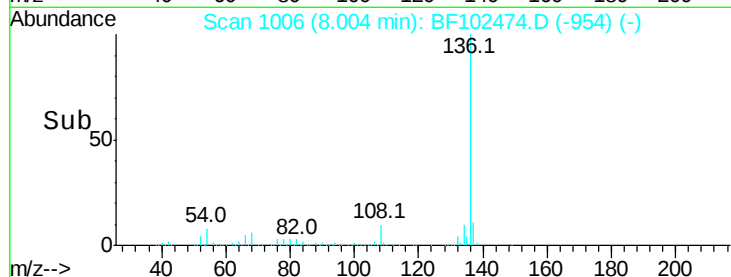


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 30.101 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.00 min

Lab File: BF102474.D

Acq: 26 Jan 2018 17:48

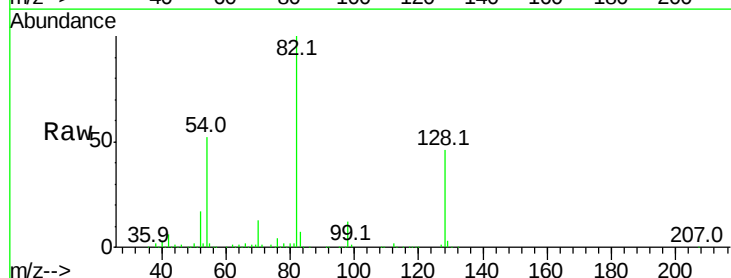
Tgt Ion: 82 Resp: 357822

Ion Ratio Lower Upper

82 100

128 46.4 36.1 54.1

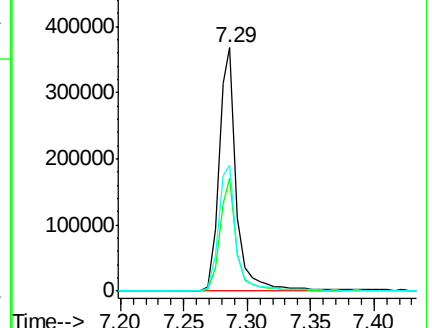
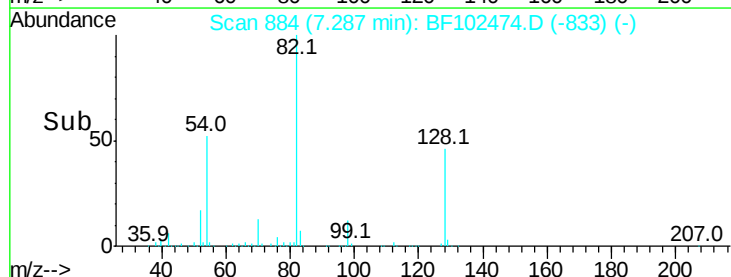
54 51.9 41.4 62.2

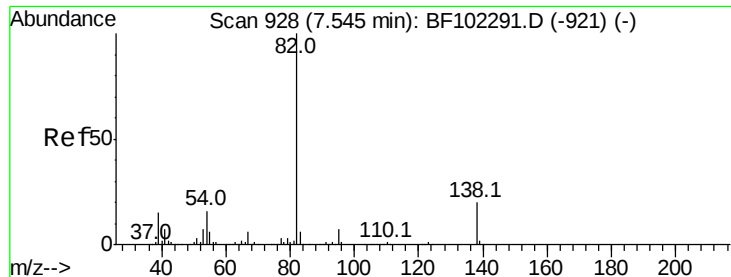


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 16.884 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102474.D

Acq: 26 Jan 2018 17:48

Instrument :

BNA_F

ClientSampled :

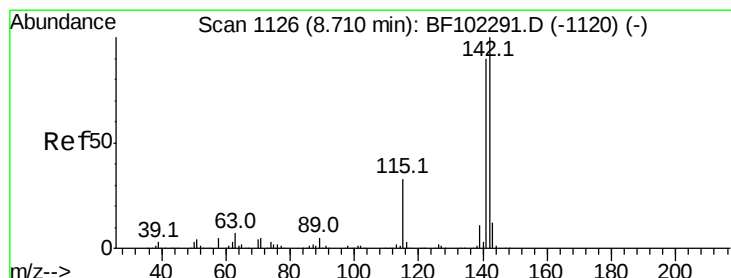
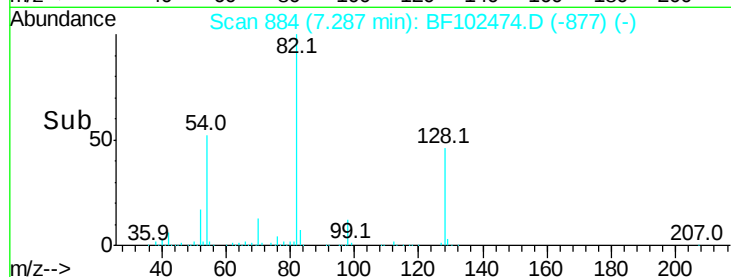
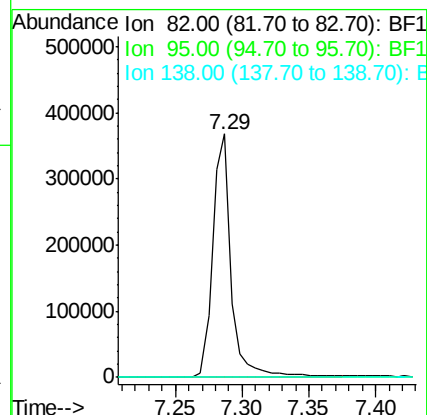
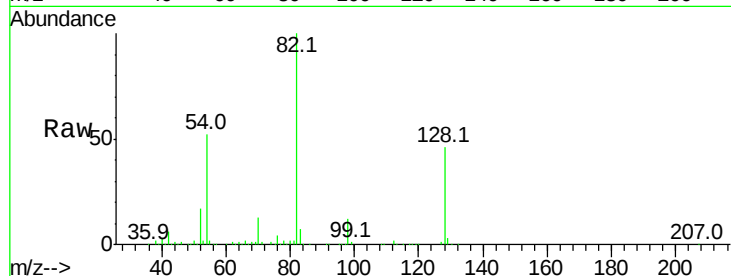
Tot Ion: 82 Resp: 357816

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

138 0.0 14.9 22.3#



#37

2-Methylnaphthalene

Concen: 4.810 ng

RT: 8.72 min Scan# 1127

Delta R.T. -0.00 min

Lab File: BF102474.D

Acq: 26 Jan 2018 17:48

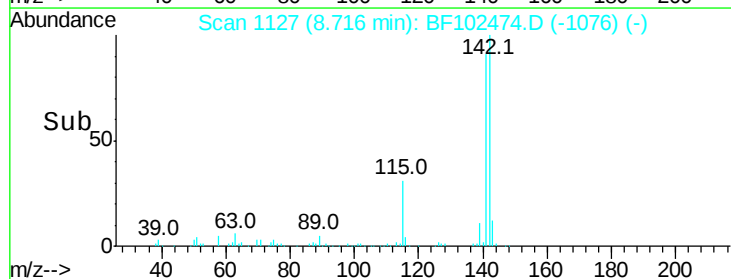
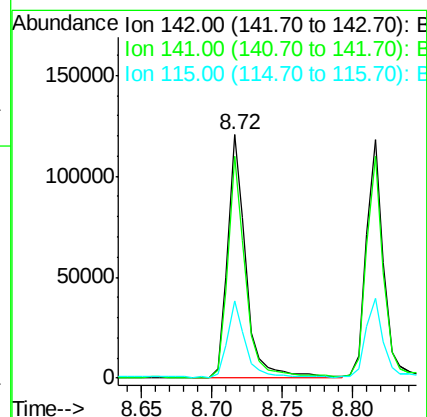
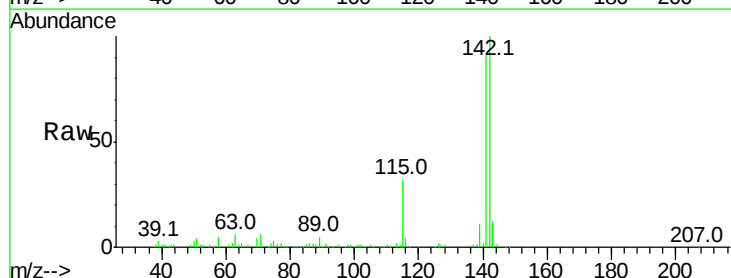
Tgt Ion: 142 Resp: 109260

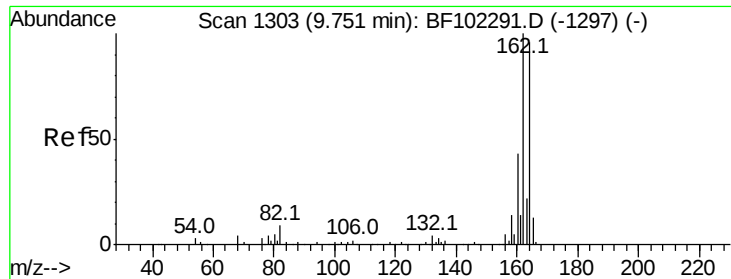
Ion Ratio Lower Upper

142 100

141 91.2 70.8 106.2

115 31.6 26.1 39.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.00 min

Lab File: BF102474.D

Acq: 26 Jan 2018 17:48

Instrument :

BNA_F

ClientSampleId :

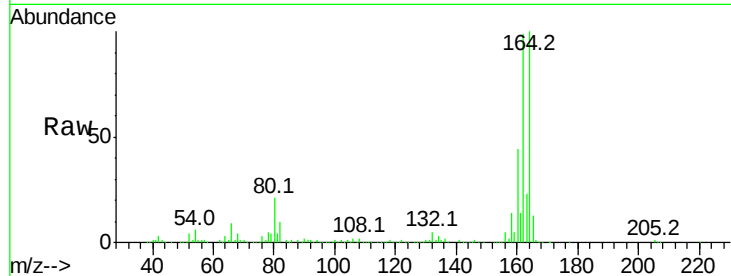
Tot Ion:164 Resp: 273345

Ion Ratio Lower Upper

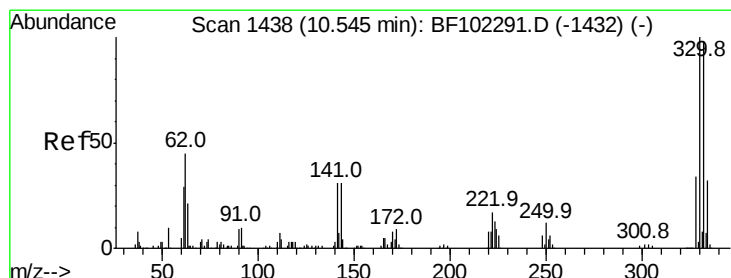
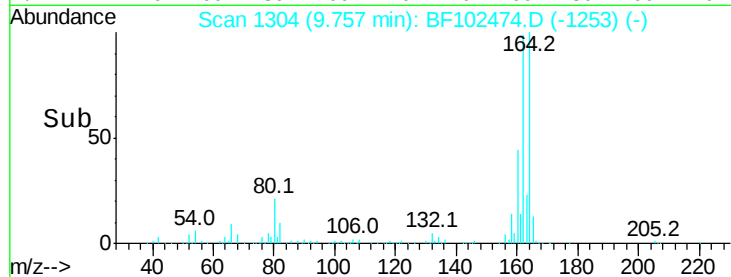
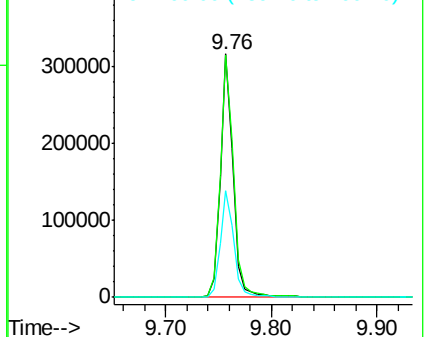
164 100

162 99.3 86.1 129.1

160 43.8 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: 32.442 ng

RT: 10.55 min Scan# 1439

Delta R.T. 0.01 min

Lab File: BF102474.D

Acq: 26 Jan 2018 17:48

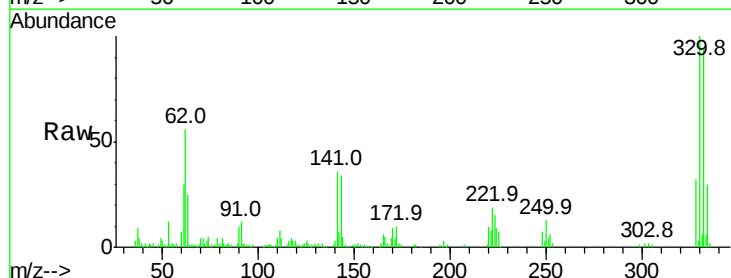
Tgt Ion:330 Resp: 87869

Ion Ratio Lower Upper

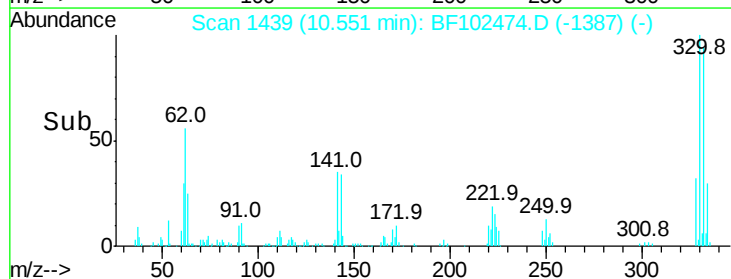
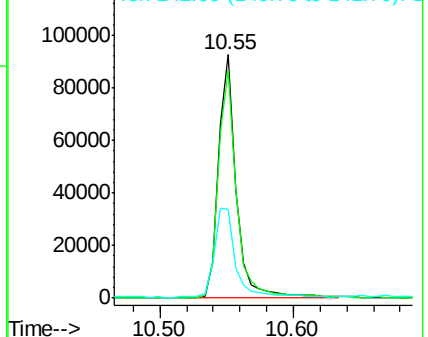
330 100

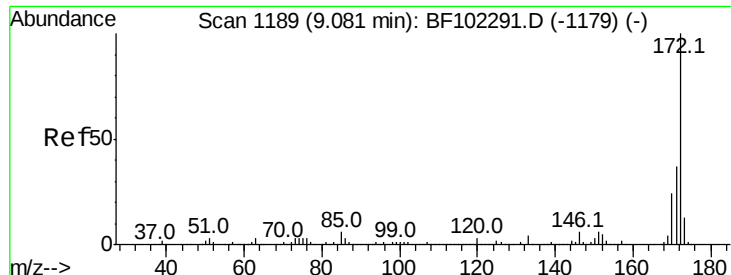
332 97.3 77.0 115.6

141 42.9 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

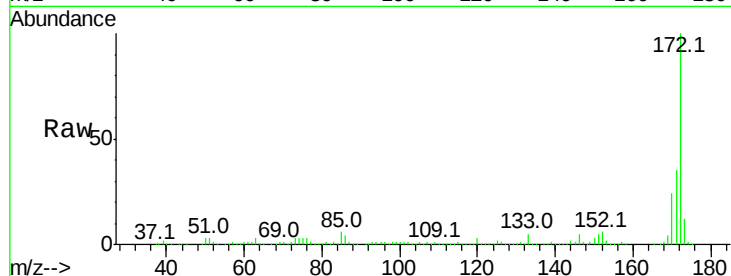




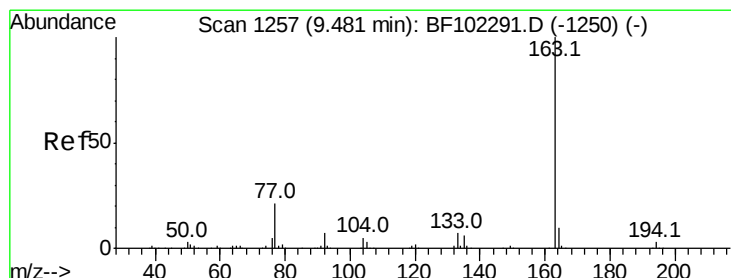
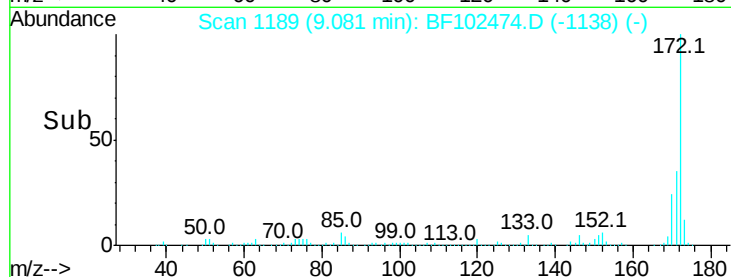
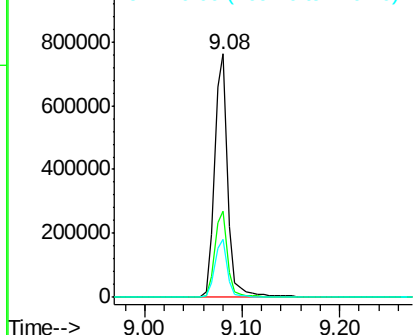
#44
2-Fluorobiphenyl
Concen: 38.466 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.00 min
Lab File: BF102474.D
Acq: 26 Jan 2018 17:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 715103
Ion Ratio Lower Upper
172 100
171 35.2 29.7 44.5
170 23.6 19.6 29.4

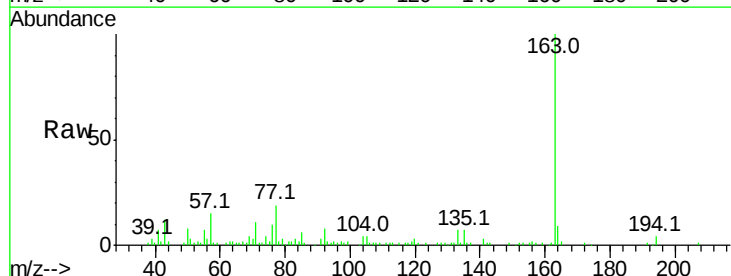


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

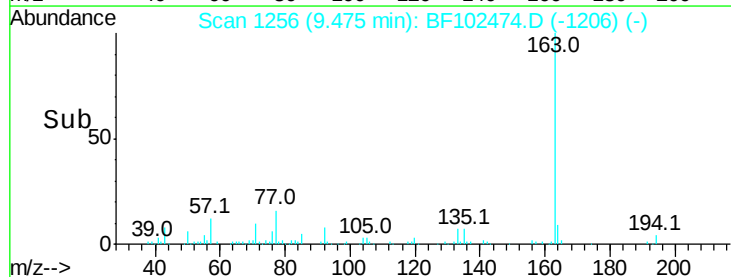
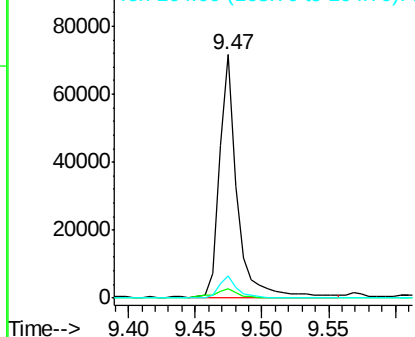


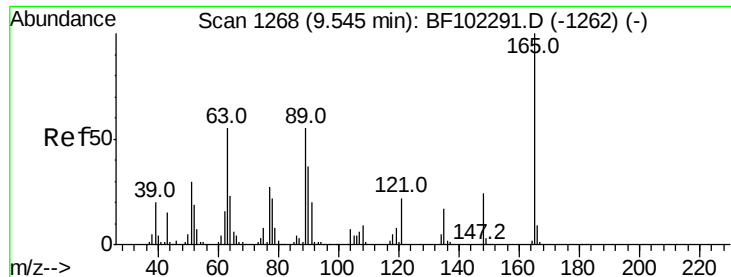
#49
Dimethylphthalate
Concen: 3.003 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF102474.D
Acq: 26 Jan 2018 17:48

Tgt Ion:163 Resp: 67858
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 9.4 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

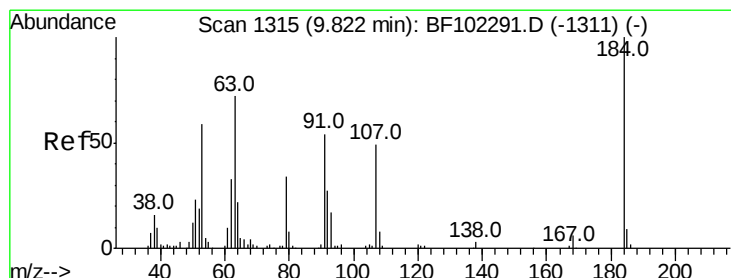
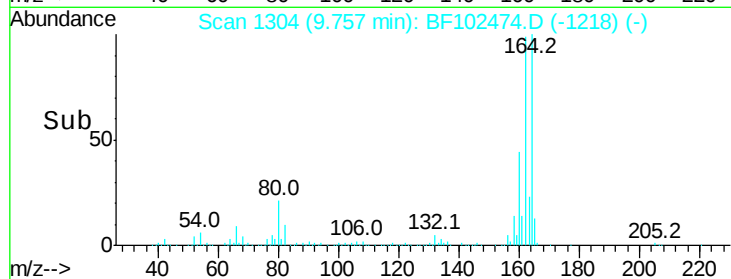
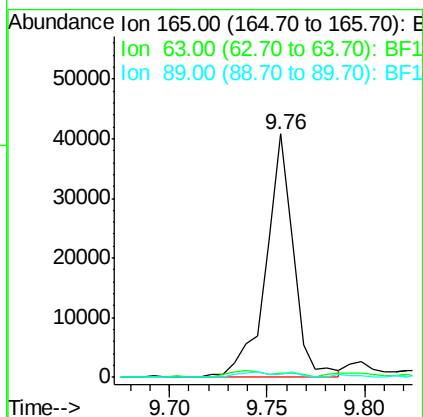
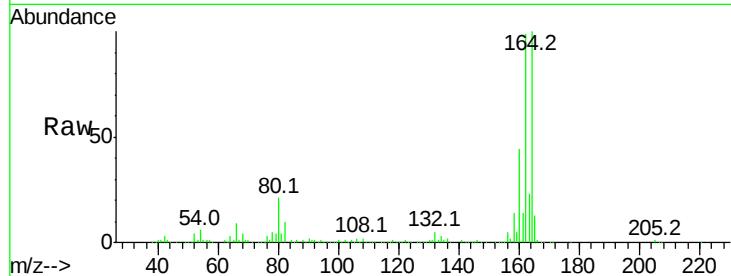




#50
2,6-Dinitrotoluene
Concen: 8.170 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.21 min
Lab File: BF102474.D
Acq: 26 Jan 2018 17:48

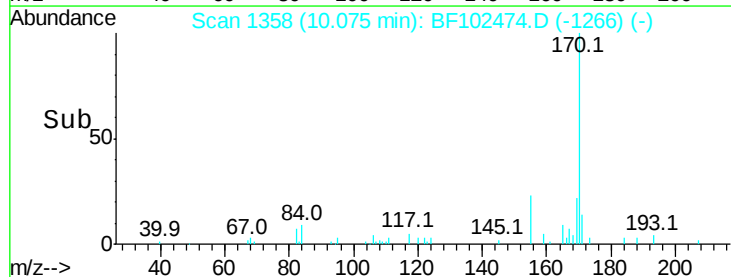
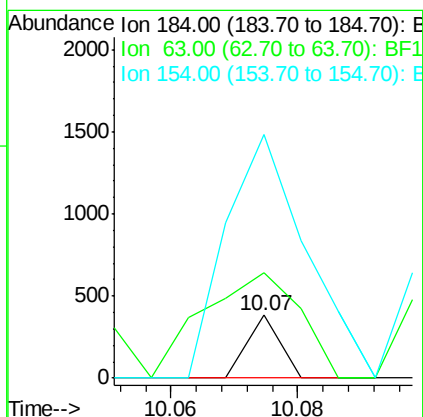
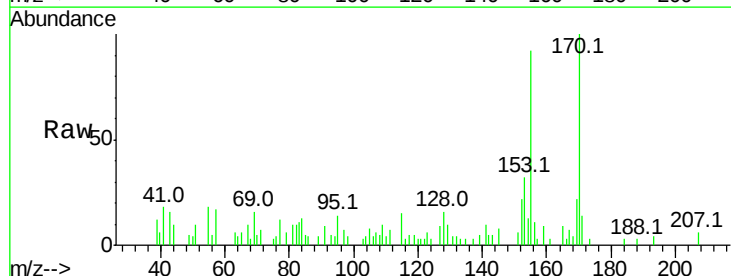
Instrument :
BNA_F
ClientSampleId :

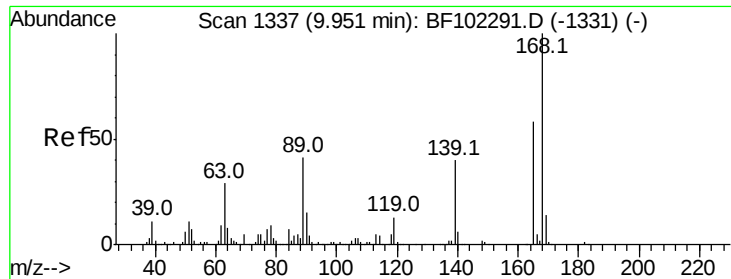
Tot Ion:165 Resp: 39799
Ion Ratio Lower Upper
165 100
63 1.9 44.7 67.1#
89 1.4 44.0 66.0#



#53
2,4-Dinitrophenol
Concen: 3.755 ng
RT: 10.07 min Scan# 1358
Delta R.T. 0.24 min
Lab File: BF102474.D
Acq: 26 Jan 2018 17:48

Tgt Ion:184 Resp: 135
Ion Ratio Lower Upper
184 100
63 167.8 54.2 81.2#
154 388.2 184.0 276.0#

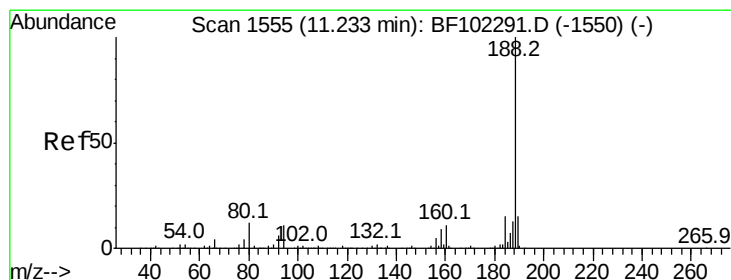
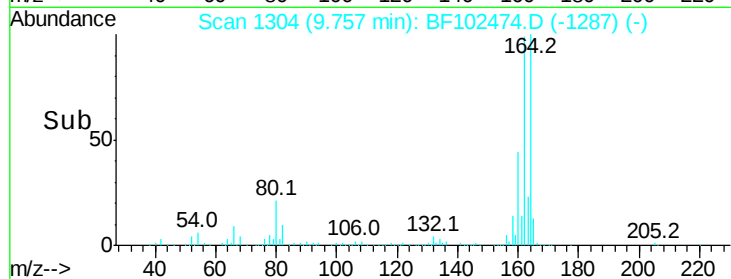
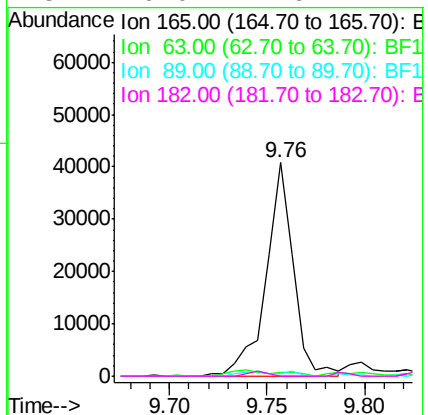
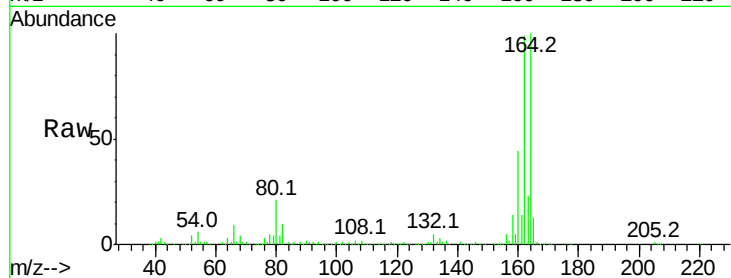




#56
 2,4-Dinitrotoluene
 Concen: 6.644 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.20 min
 Lab File: BF102474.D
 Acq: 26 Jan 2018 17:48

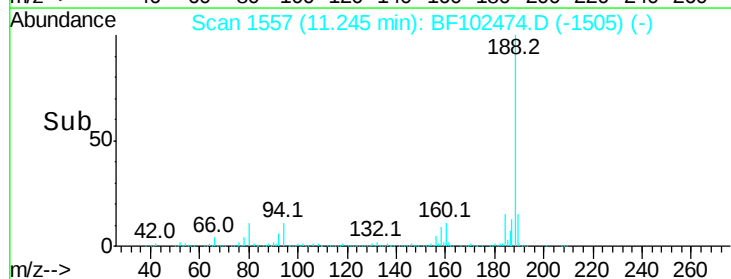
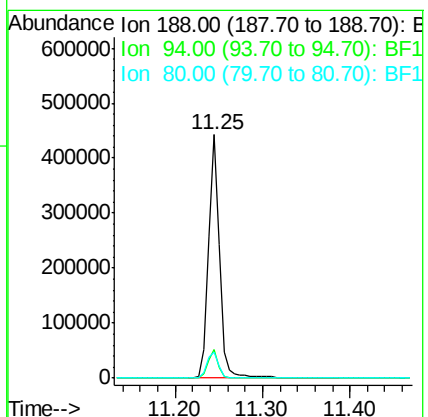
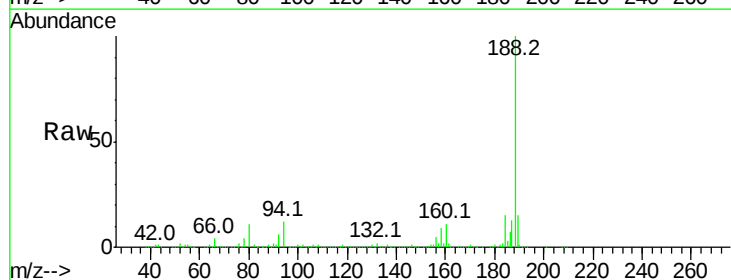
Instrument :
 BNA_F
 ClientSampleId :

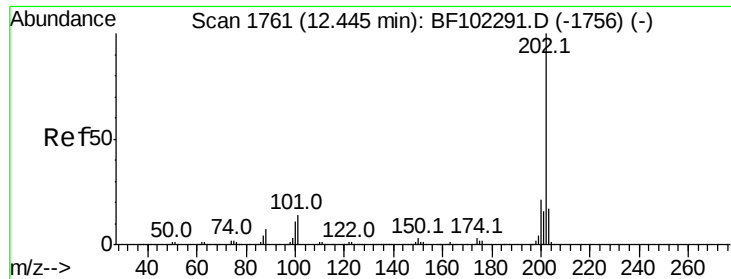
Tot Ion:165 Resp: 39799
 Ion Ratio Lower Upper
 165 100
 63 1.9 36.4 54.6#
 89 1.4 57.8 86.6#
 182 0.0 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1557
 Delta R.T. 0.01 min
 Lab File: BF102474.D
 Acq: 26 Jan 2018 17:48

Tgt Ion:188 Resp: 388425
 Ion Ratio Lower Upper
 188 100
 94 11.6 8.5 12.7
 80 10.9 9.2 13.8





#74

Fluoranthene

Concen: 2.593 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF102474.D

Acq: 26 Jan 2018 17:48

Instrument :

BNA_F

ClientSampleId :

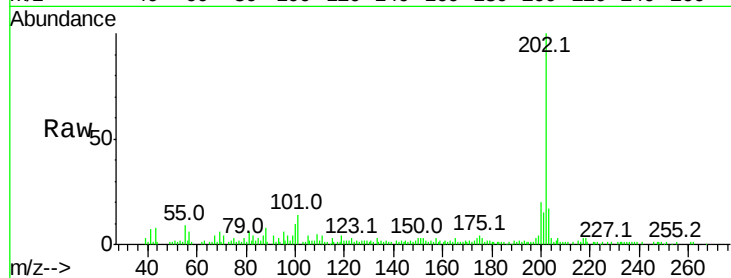
Tot Ion:202 Resp: 59860

Ion Ratio Lower Upper

202 100

101 14.4 0.0 34.1

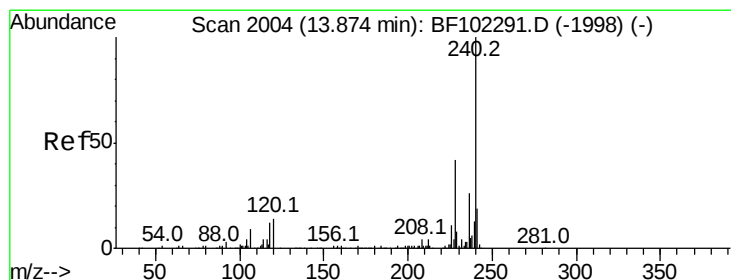
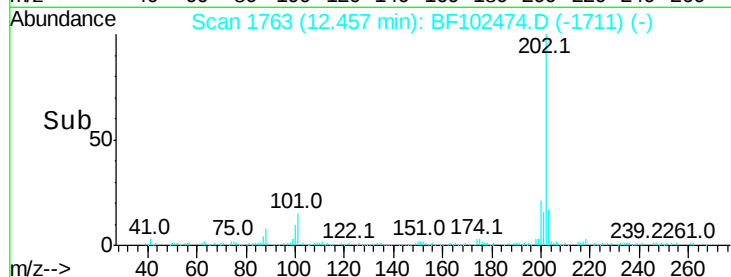
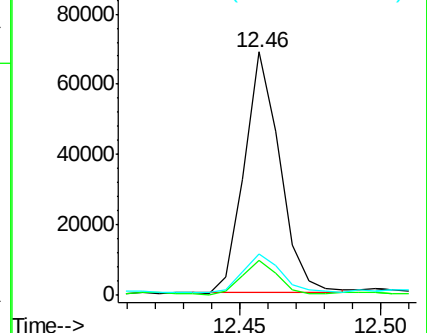
203 17.2 0.0 38.1



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: 13.89 min Scan# 2006

Delta R.T. 0.01 min

Lab File: BF102474.D

Acq: 26 Jan 2018 17:48

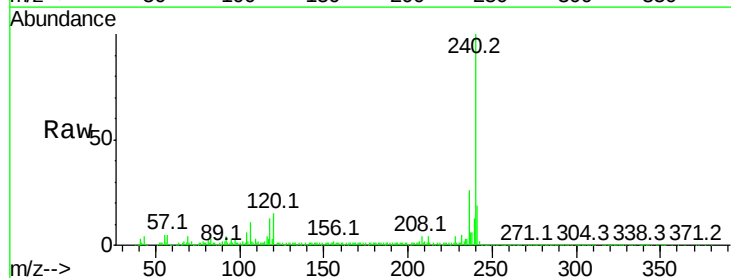
Tgt Ion:240 Resp: 303524

Ion Ratio Lower Upper

240 100

120 15.5 9.5 14.3#

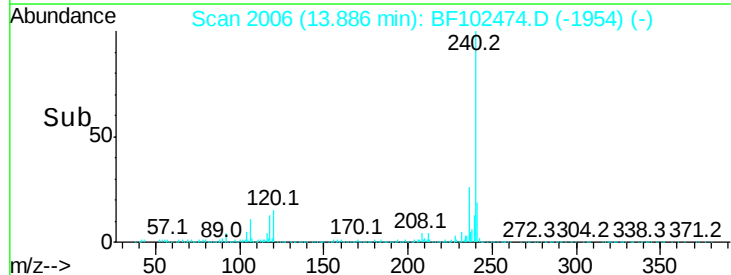
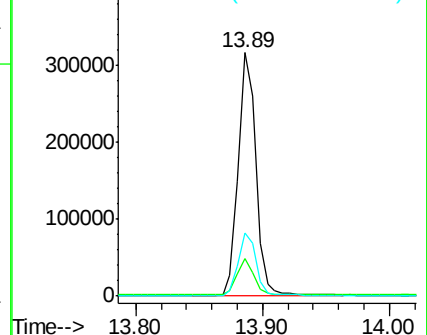
236 26.2 20.7 31.1

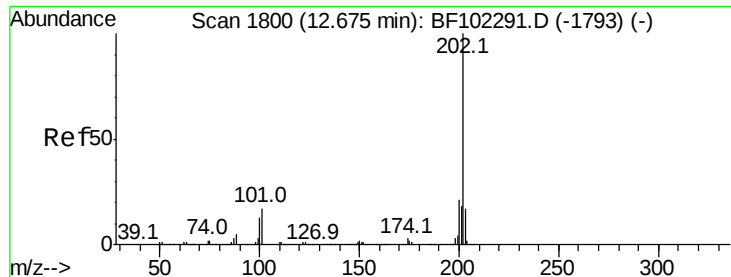


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

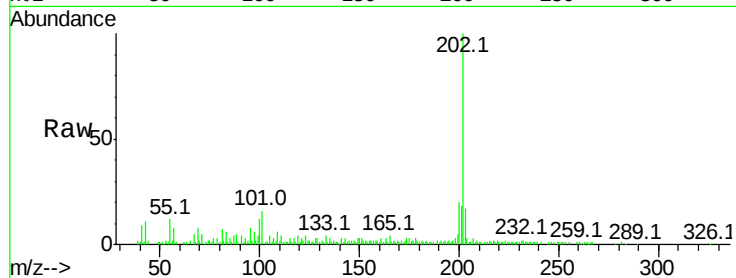




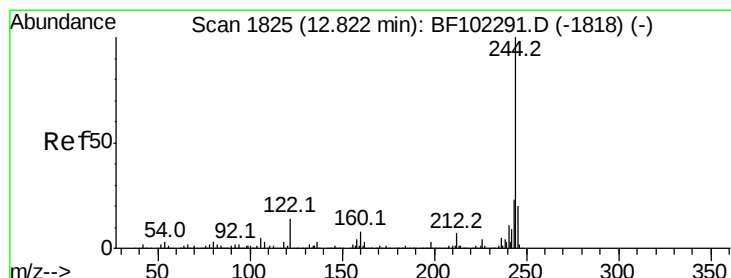
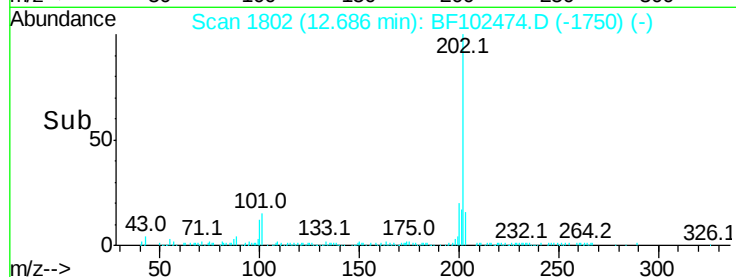
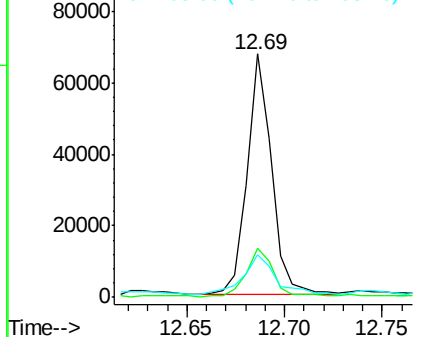
#77
Pvrene
Concen: 2.526 ng
RT: 12.69 min Scan# 1802
Delta R.T. 0.01 min
Lab File: BF102474.D
Acq: 26 Jan 2018 17:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 59283
Ion Ratio Lower Upper
202 100
200 20.1 17.4 26.2
203 17.4 14.3 21.5

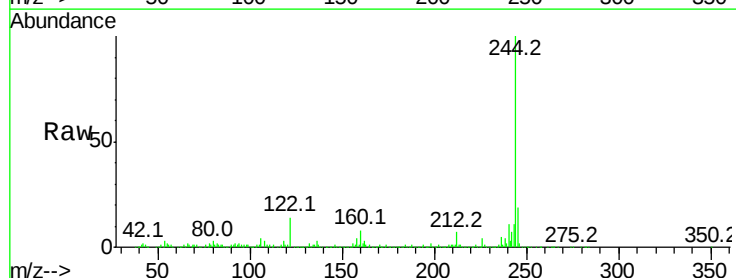


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

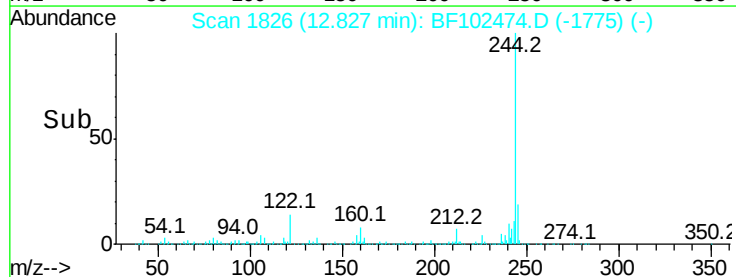
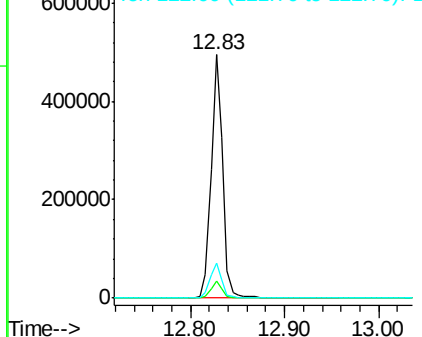


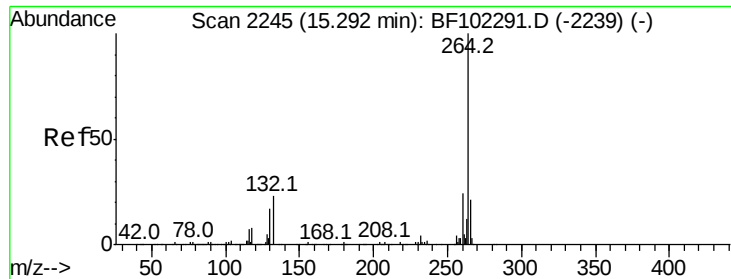
#78
Terphenyl-d14
Concen: 32.332 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.00 min
Lab File: BF102474.D
Acq: 26 Jan 2018 17:48

Tgt Ion:244 Resp: 435316
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.0
122 14.2 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

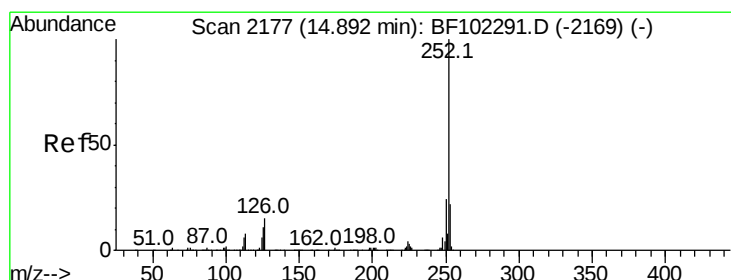
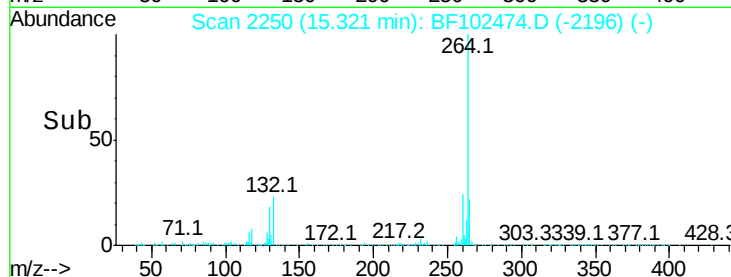
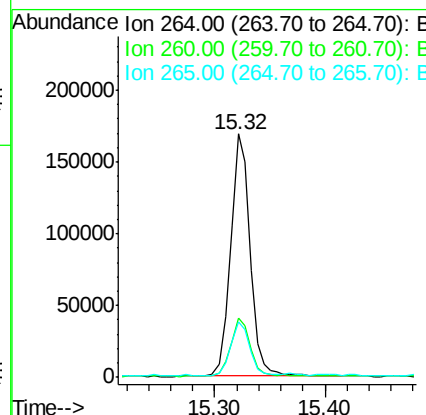
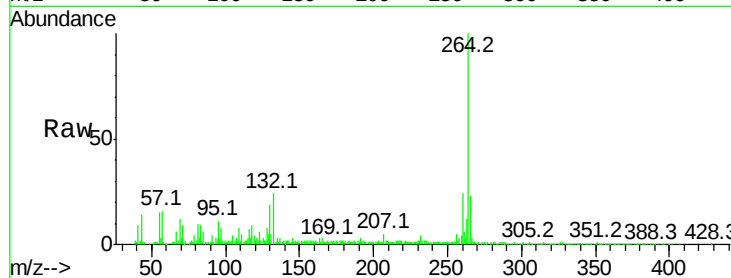




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. 0.02 min
Lab File: BF102474.D
Acq: 26 Jan 2018 17:48

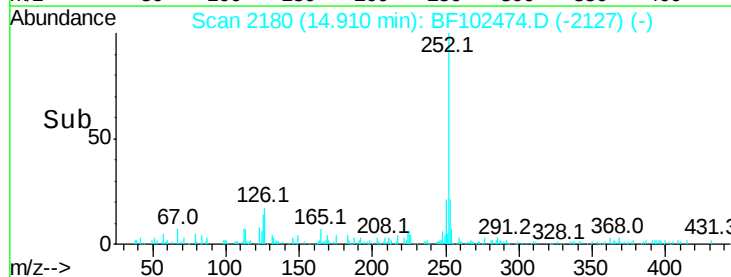
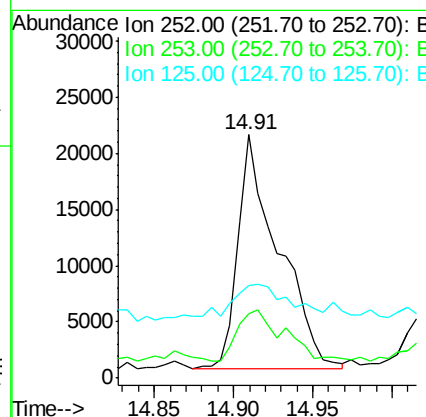
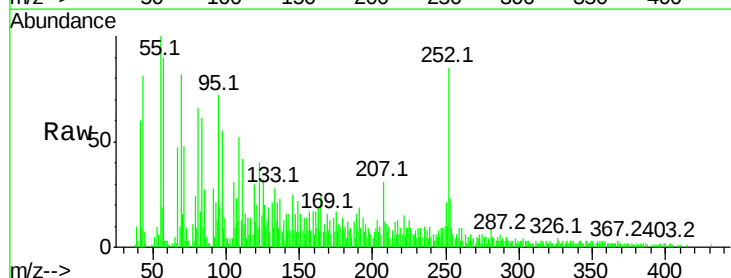
Instrument :
BNA_F
ClientSampleId :

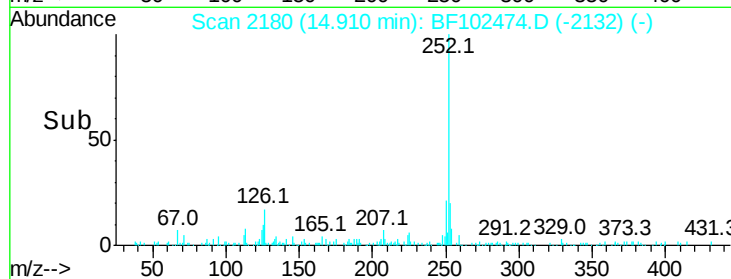
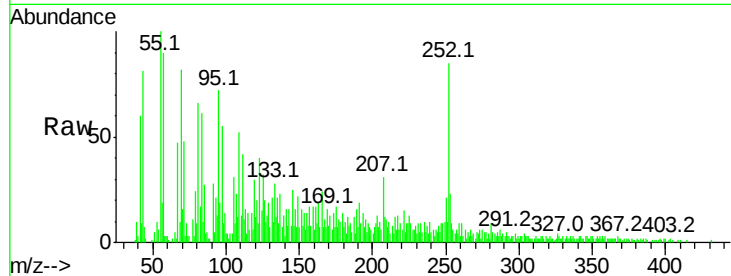
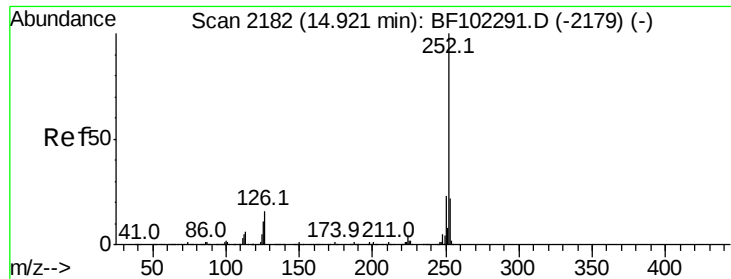
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.6	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 2.750 ng
RT: 14.91 min Scan# 2180
Delta R.T. 0.01 min
Lab File: BF102474.D
Acq: 26 Jan 2018 17:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.0	25.6#
125	37.8	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 2.911 ng

RT: 14.91 min Scan# 2180

Delta R.T. -0.02 min

Lab File: BF102474.D

Acq: 26 Jan 2018 17:48

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 37261

Ion Ratio Lower Upper

252 100

253 26.4 17.9 26.9

125 37.8 10.2 15.2#

