

Data Path : U:\HPCHEM1\BNA F\DATA\BF012418\
 Data File : BF102411.D
 Acq On : 25 Jan 2018 1:01
 Operator : SJ/JU
 Sample : J1236-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 25 02:55:45 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 23 00:43:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	128227	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	520077	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	217745	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	332639	20.00	ng	0.00
75) Chrysene-d12	13.87	240	235880	20.00	ng	0.00
86) Perylene-d12	15.30	264	238901	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	898994	106.30	ng	0.01
7) Phenol-d6	6.36	99	1092967	107.20	ng	0.00
23) Nitrobenzene-d5	7.28	82	673805	74.45	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	183360	84.99	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1077987	72.79	ng	0.00
78) Terphenyl-d14	12.82	244	734626	70.21	ng	0.00

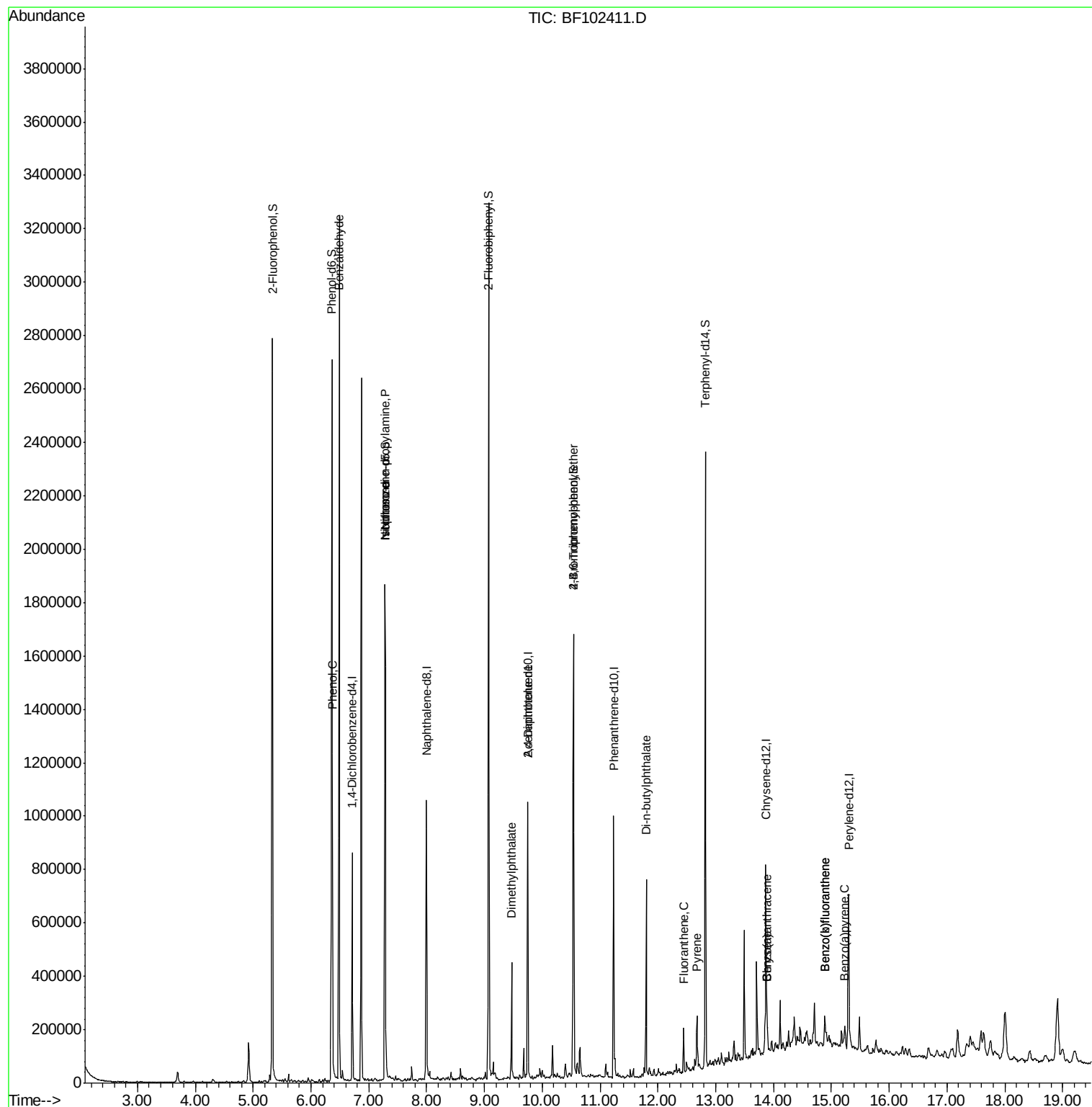
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.49	77	18965	2.687	ng	84
10) Phenol	6.37	94	48122	4.323	ng	95
19) n-Nitroso-di-n-propylamine	7.28	70	91186	14.615	ng	# 77
25) Isophorone	7.28	82	660464	40.936	ng	# 64
49) Dimethylphthalate	9.47	163	164377	9.133	ng	99
56) 2,4-Dinitrotoluene	9.75	165	28132	5.895	ng	# 24
66) 4-Bromophenyl-phenylether	10.54	248	12781	3.569	ng	# 1
73) Di-n-butylphthalate	11.80	149	375303	15.556	ng	98
74) Fluoranthene	12.44	202	63121	3.193	ng	97
77) Pyrene	12.67	202	58864	3.228	ng	99
80) Benzo(a)anthracene	13.90	228	32559	2.242	ng	92
82) Chrysene	13.90	228	32559	2.208	ng	96
87) Benzo(b)fluoranthene	14.89	252	63008	4.069	ng	# 95
88) Benzo(k)fluoranthene	14.89	252	63008	4.307	ng	98
89) Benzo(a)pyrene	15.23	252	33209	2.378	ng	# 91

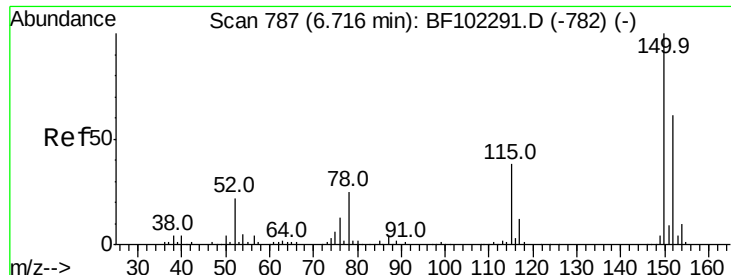
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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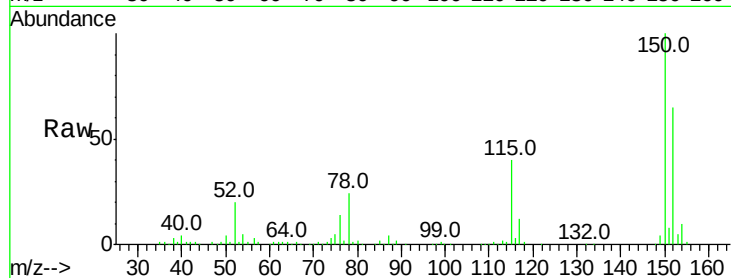


#1

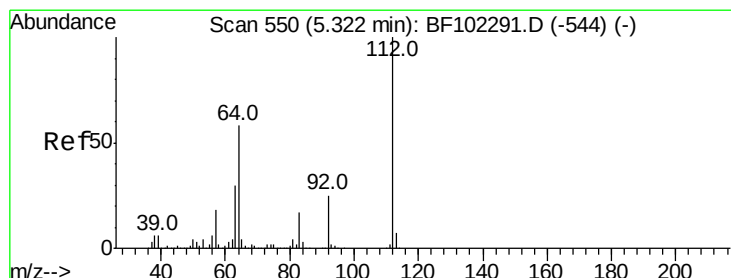
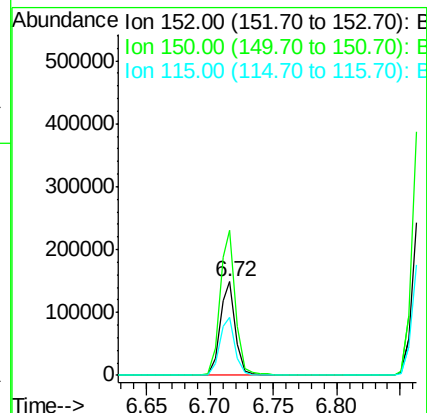
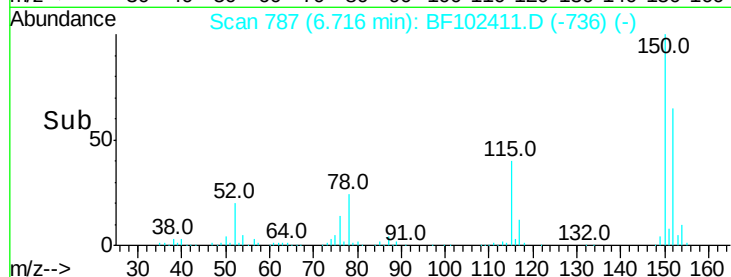
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF102411.D
Acq: 25 Jan 2018 1:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	124.6	186.8
115	62.1	50.1	75.1



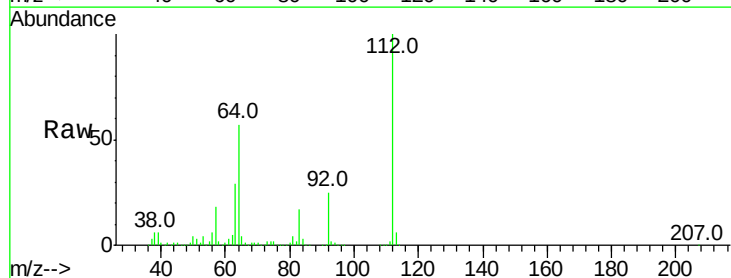
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



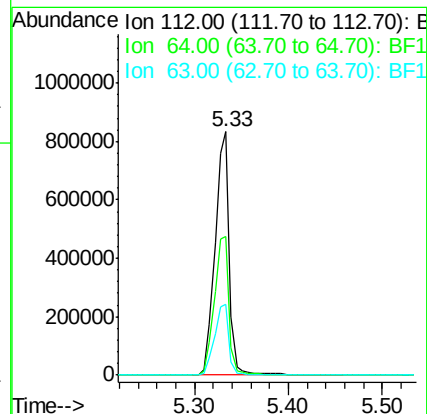
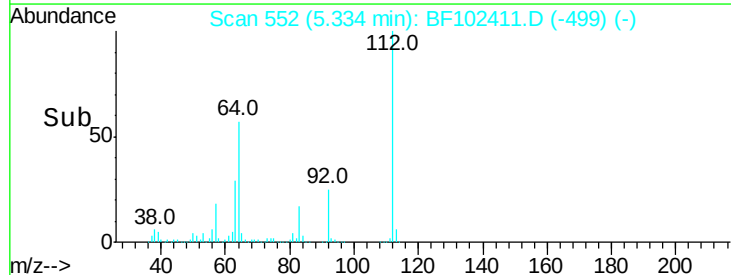
#5

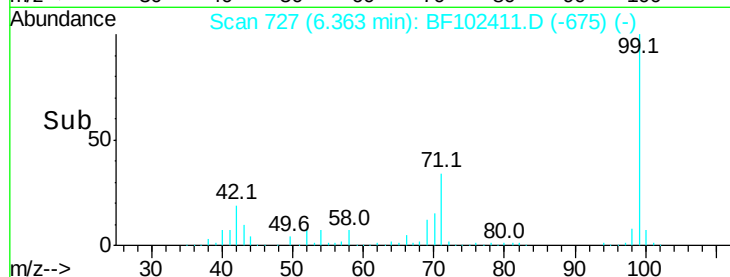
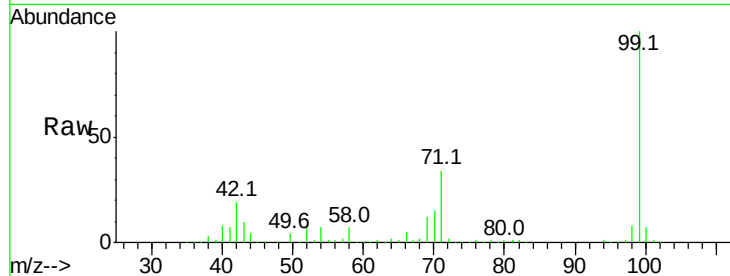
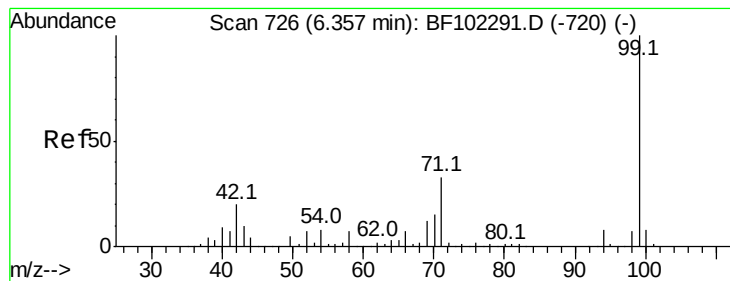
2-Fluorophenol
Concen: 106.304 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102411.D
Acq: 25 Jan 2018 1:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	47.9	71.9
63	29.2	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: 107.202 ng

RT: 6.36 min Scan# 727

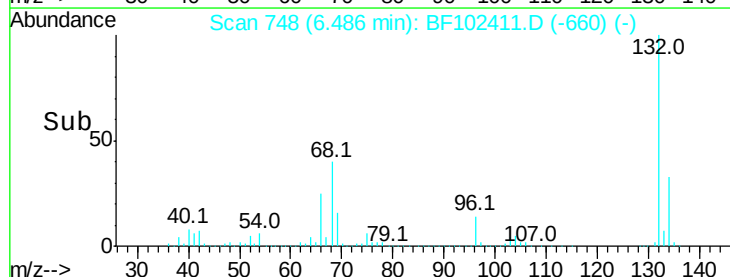
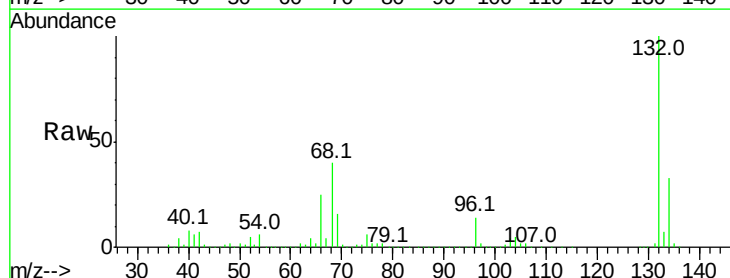
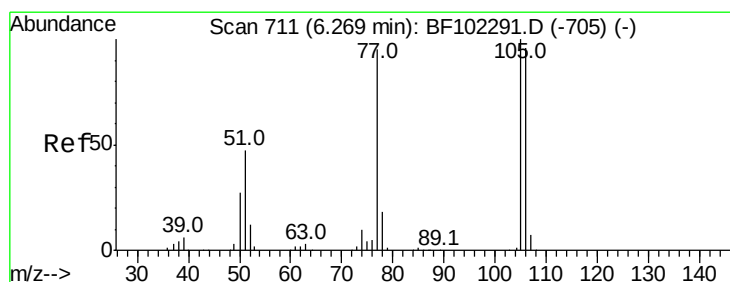
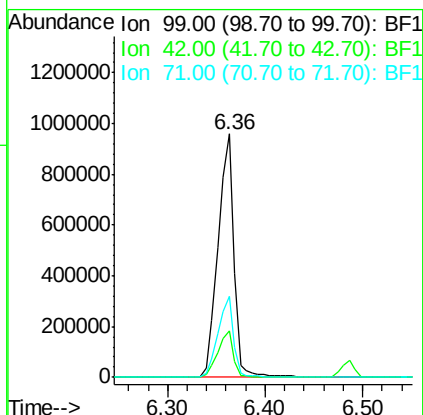
Delta R.T. 0.01 min

Lab File: BF102411.D

Acq: 25 Jan 2018 1:01

Tot Ion: 99 Resp: 1092967

Ion	Ratio	Lower	Upper
99	100		
42	19.0	14.5	21.7
71	33.5	25.4	38.0



#9

Benzaldehyde

Concen: 2.687 ng

RT: 6.49 min Scan# 748

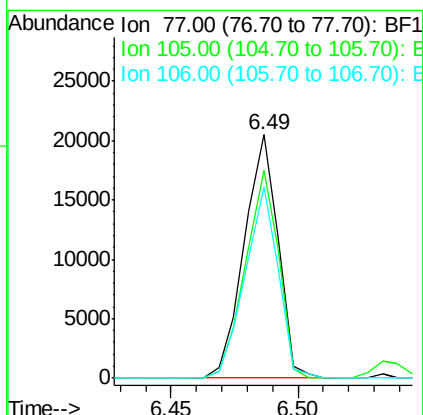
Delta R.T. 0.22 min

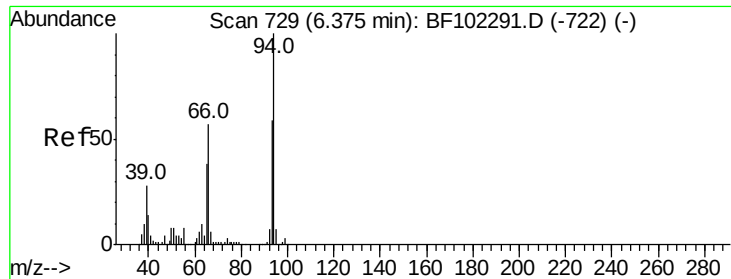
Lab File: BF102411.D

Acq: 25 Jan 2018 1:01

Tgt Ion: 77 Resp: 18965

Ion	Ratio	Lower	Upper
77	100		
105	85.6	81.1	121.1
106	78.5	74.5	114.5





#10

Phenol

Concen: 4.323 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF102411.D

Acq: 25 Jan 2018 1:01

Instrument :

BNA_F

ClientSampleId :

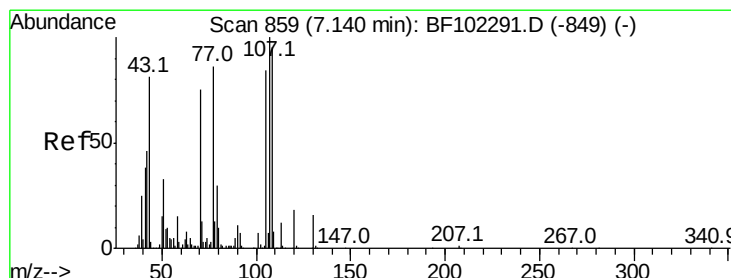
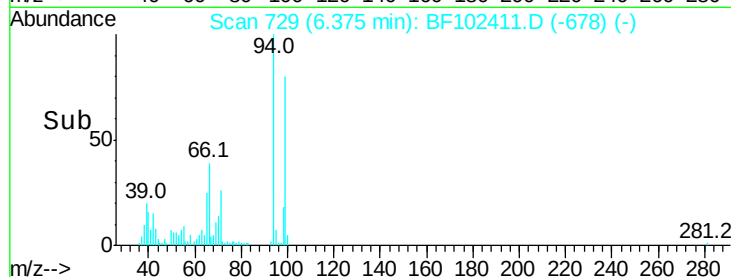
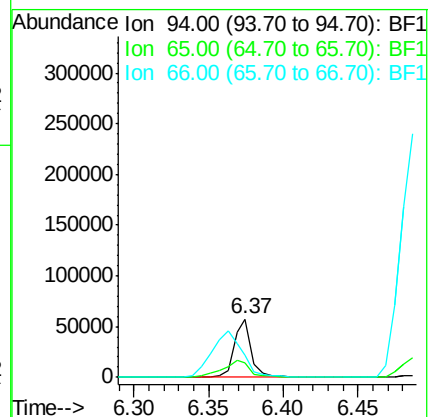
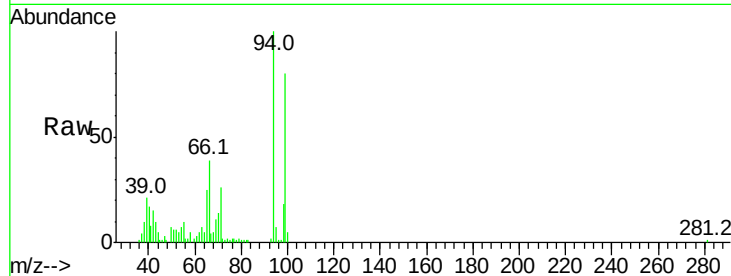
Tot Ion: 94 Resp: 48122

Ion Ratio Lower Upper

94 100

65 25.2 7.9 47.9

66 38.7 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 14.615 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.14 min

Lab File: BF102411.D

Acq: 25 Jan 2018 1:01

Tgt Ion: 70 Resp: 91186

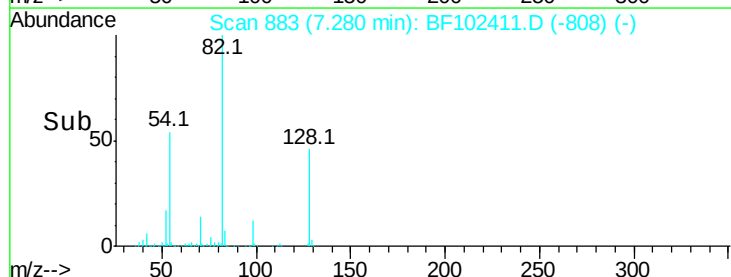
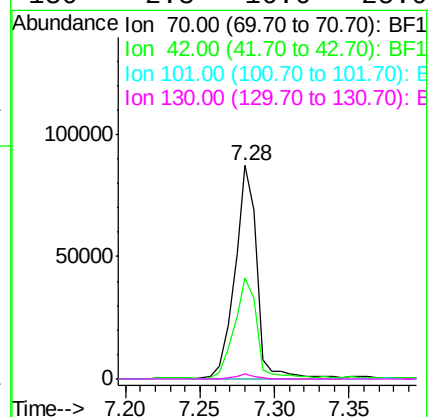
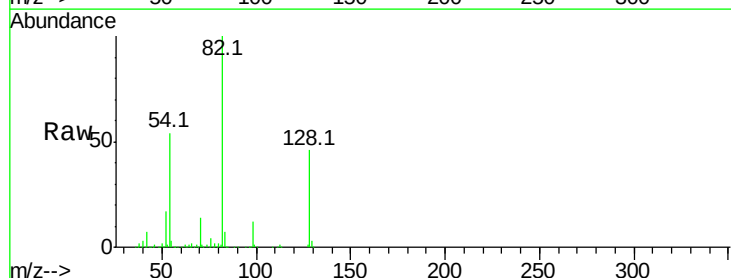
Ion Ratio Lower Upper

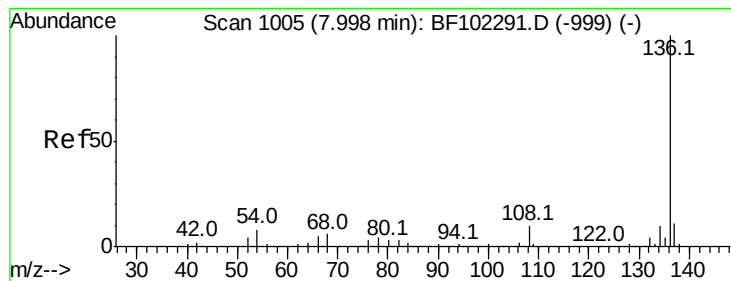
70 100

42 47.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BF102411.D

Acq: 25 Jan 2018 1:01

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 520077

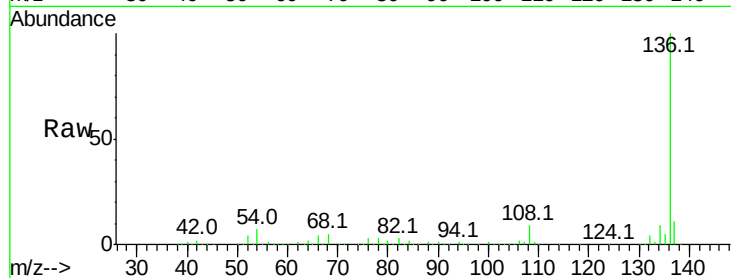
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.4 6.6 9.8

68 5.2 5.0 7.4

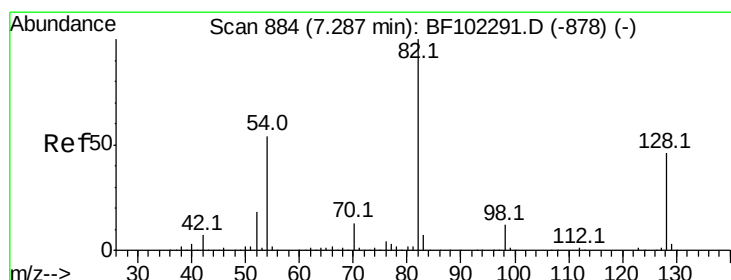
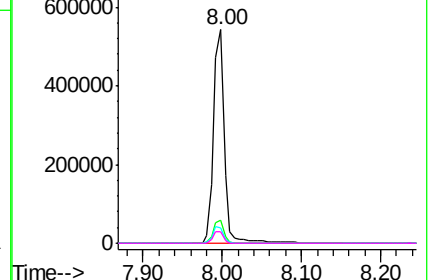
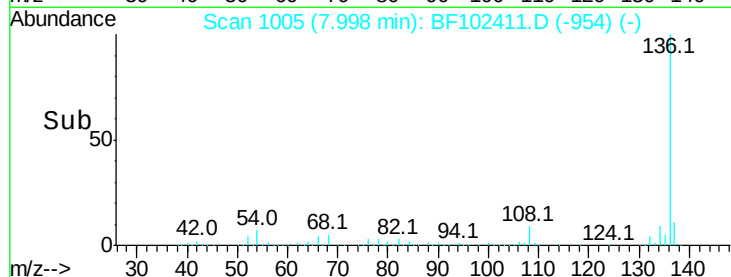


Abundance Ion 136.00 (135.70 to 136.70): E

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: 74.453 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF102411.D

Acq: 25 Jan 2018 1:01

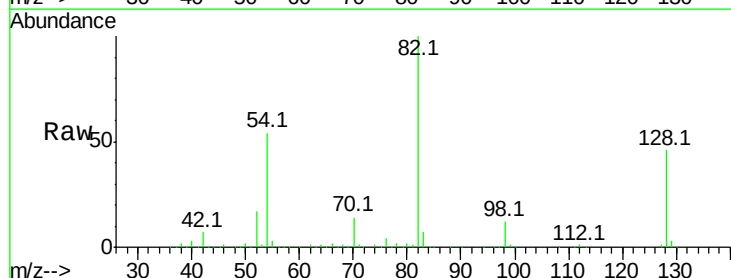
Tgt Ion: 82 Resp: 673805

Ion Ratio Lower Upper

82 100

128 46.0 36.1 54.1

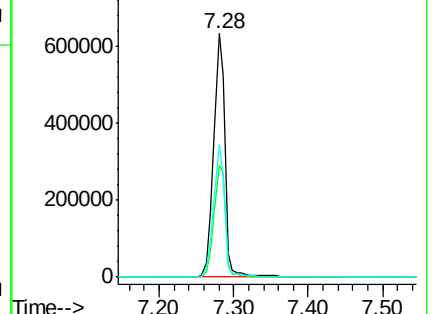
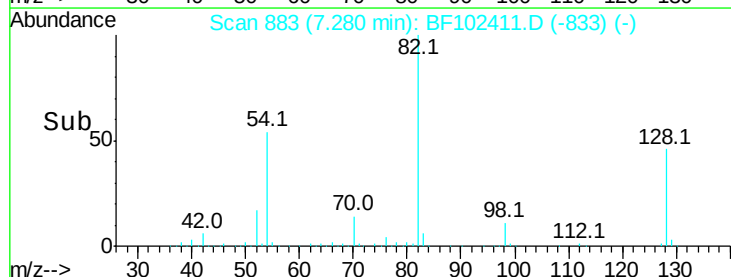
54 54.3 41.4 62.2

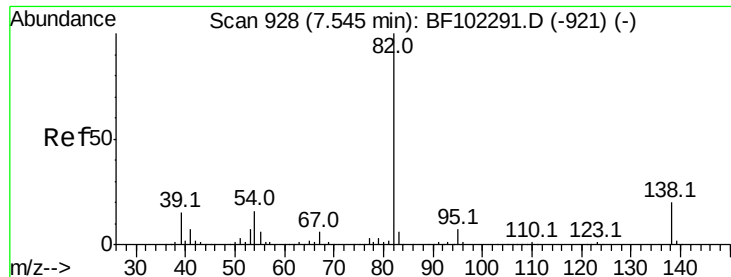


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 40.936 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF102411.D

Acq: 25 Jan 2018 1:01

Instrument :

BNA_F

ClientSampleId :

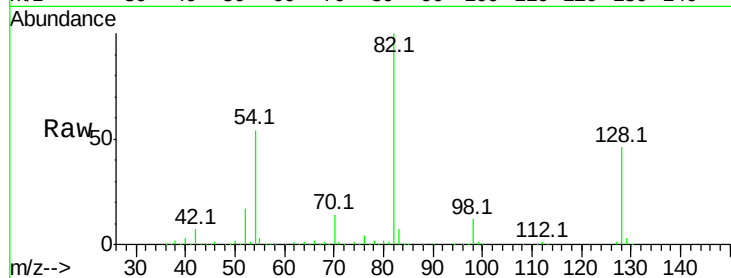
Tot Ion: 82 Resp: 660464

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

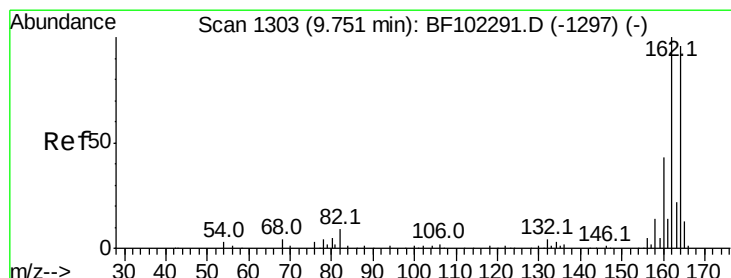
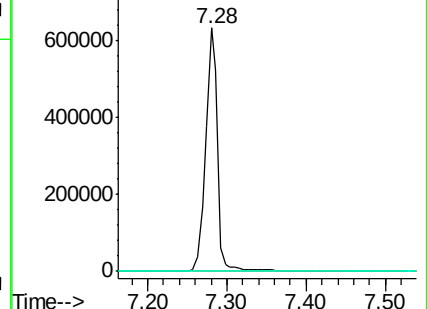
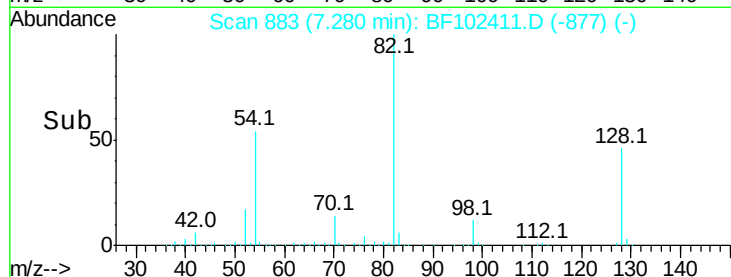
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF102411.D

Acq: 25 Jan 2018 1:01

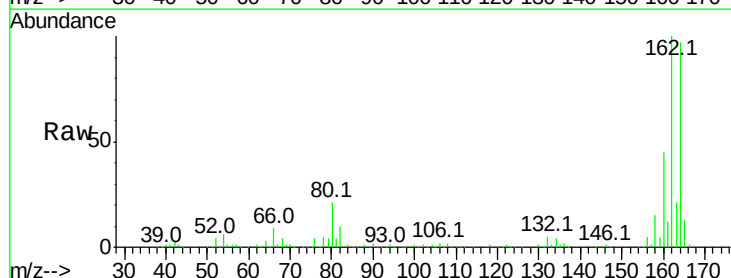
Tgt Ion:164 Resp: 217745

Ion Ratio Lower Upper

164 100

162 103.5 86.1 129.1

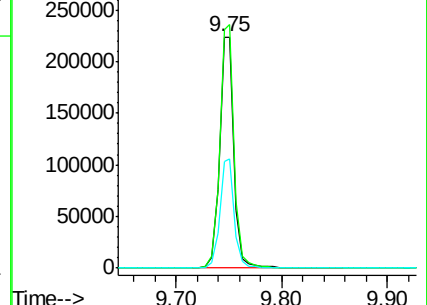
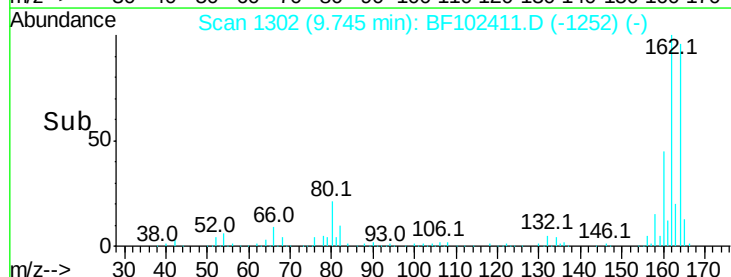
160 46.2 38.3 57.5

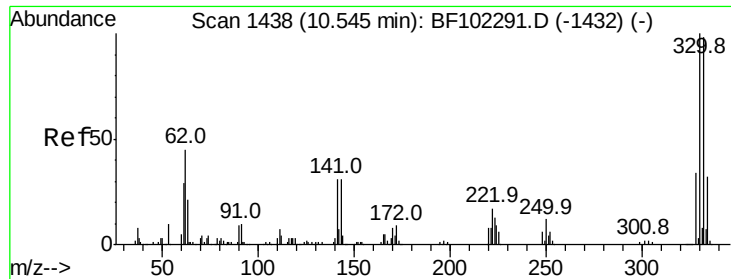


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

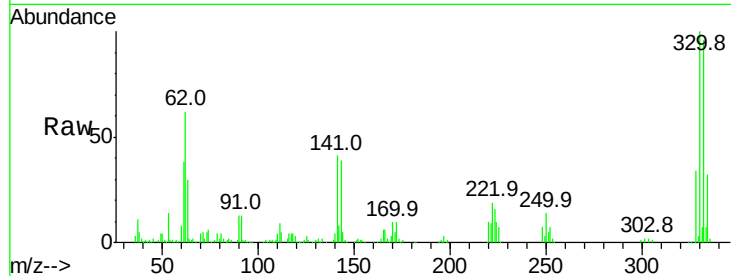




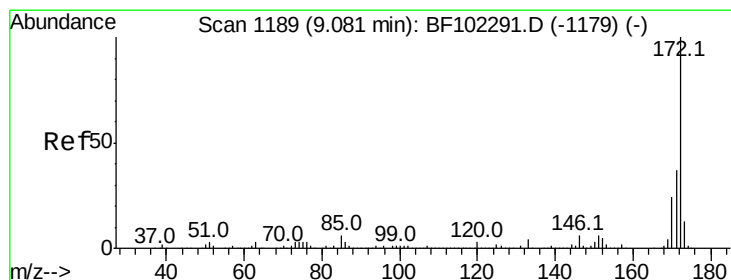
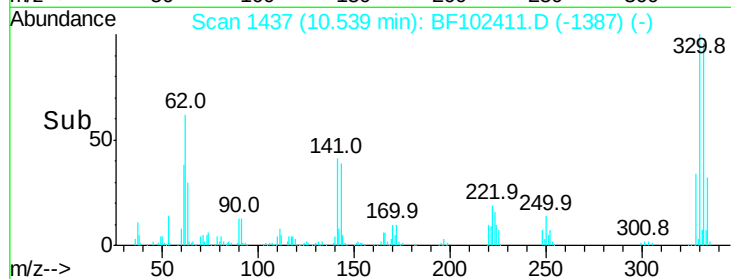
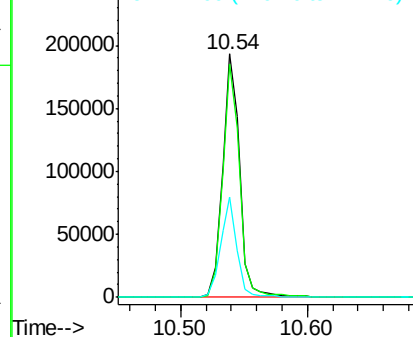
#41
 2,4,6-Tribromophenol
 Concen: 84.986 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102411.D
 Acq: 25 Jan 2018 1:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.0	115.6
141	39.6	29.9	44.9

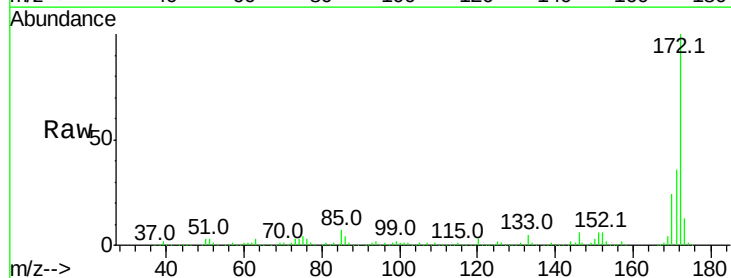


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

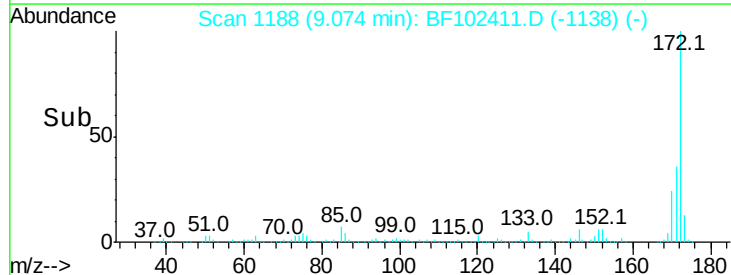
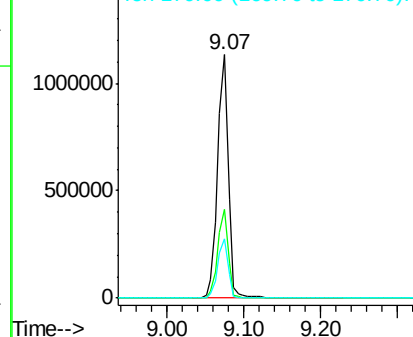


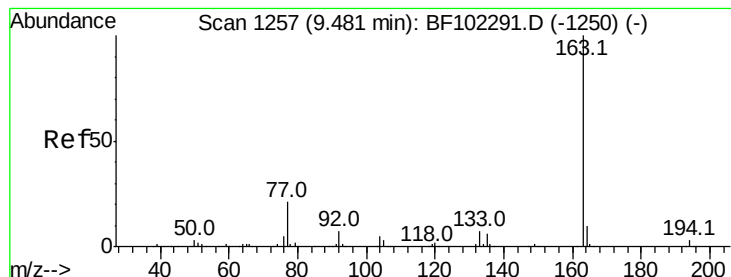
#44
 2-Fluorobiphenyl
 Concen: 72.793 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF102411.D
 Acq: 25 Jan 2018 1:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.3	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: 9.133 ng

RT: 9.47 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BF102411.D

Acq: 25 Jan 2018 1:01

Instrument :

BNA_F

ClientSampleId :

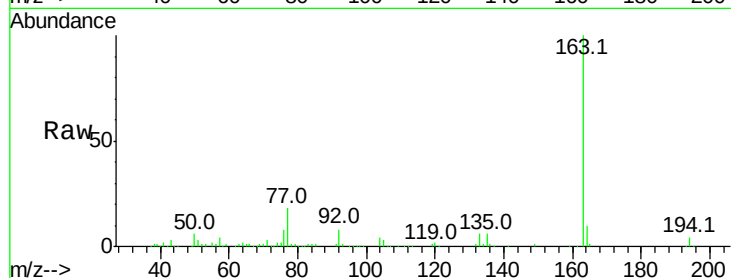
Tot Ion:163 Resp: 164377

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

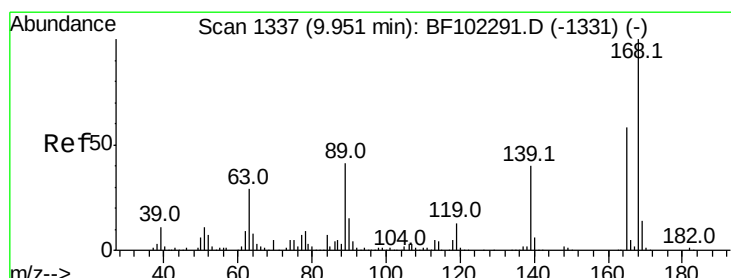
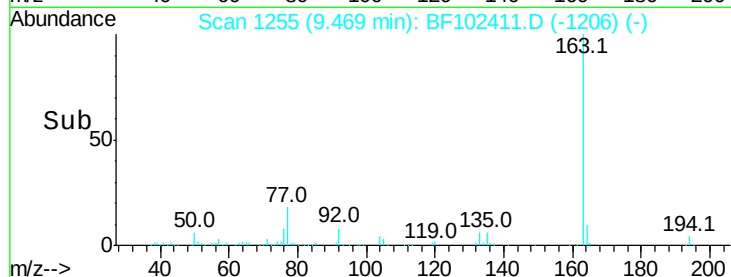
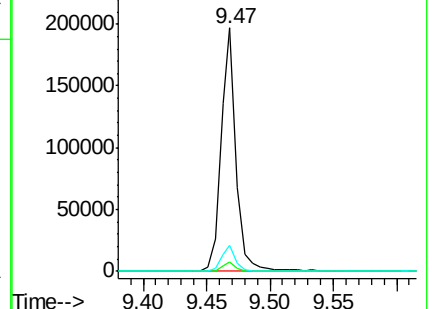
164 10.5 8.2 12.2



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: 5.895 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.21 min

Lab File: BF102411.D

Acq: 25 Jan 2018 1:01

Tgt Ion:165 Resp: 28132

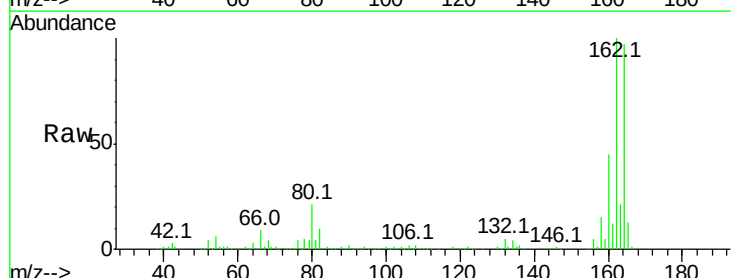
Ion Ratio Lower Upper

165 100

63 1.0 36.4 54.6#

89 2.2 57.8 86.6#

182 0.0 1.6 2.4#

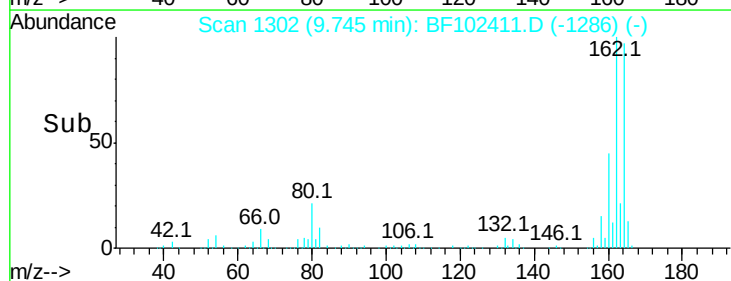
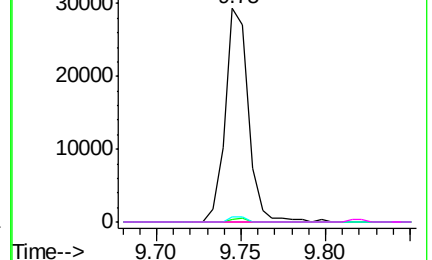


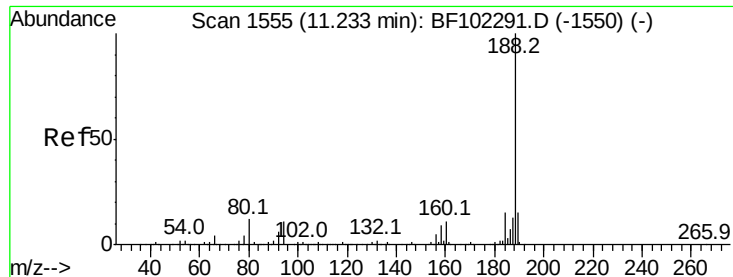
Abundance Ion 165.00 (164.70 to 165.70): E

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

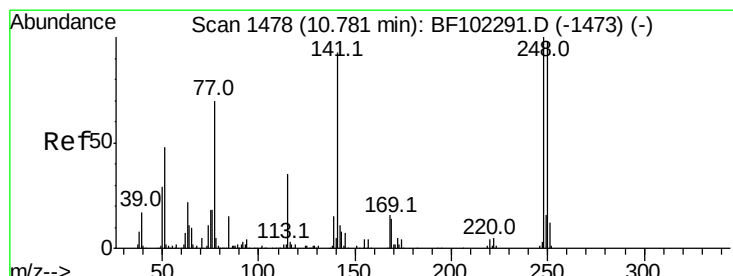
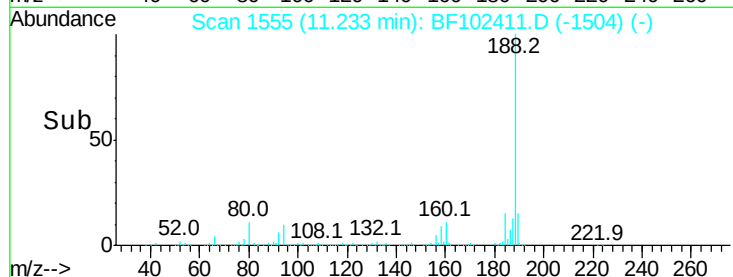
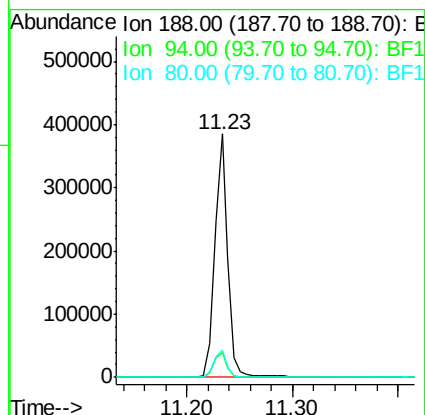
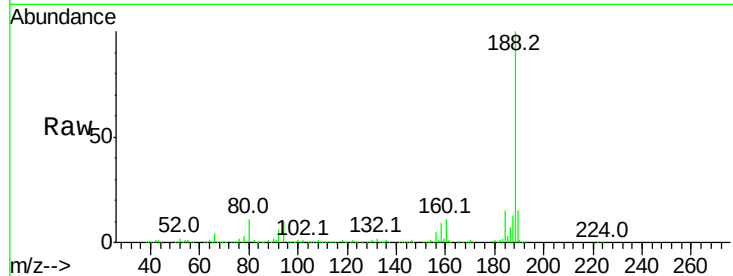




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.00 min
Lab File: BF102411.D
Acq: 25 Jan 2018 1:01

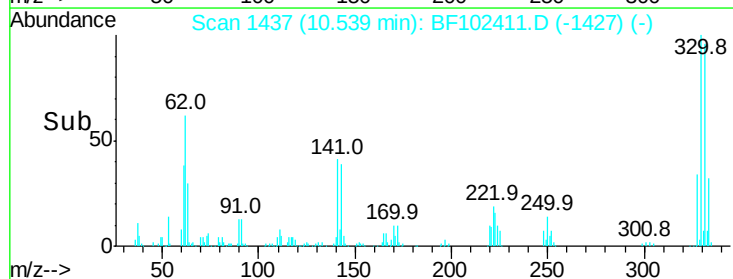
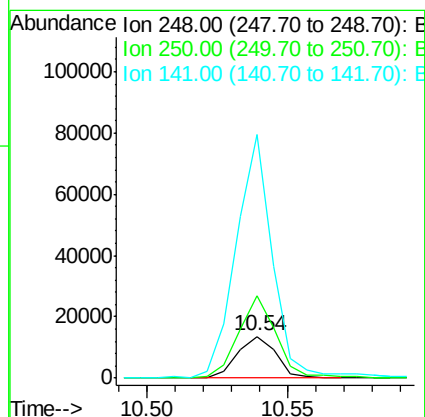
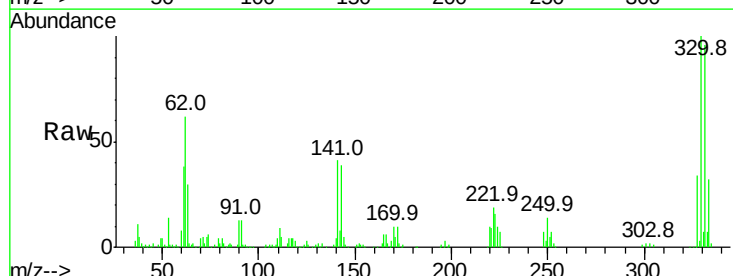
Instrument :
BNA_F
ClientSampled :

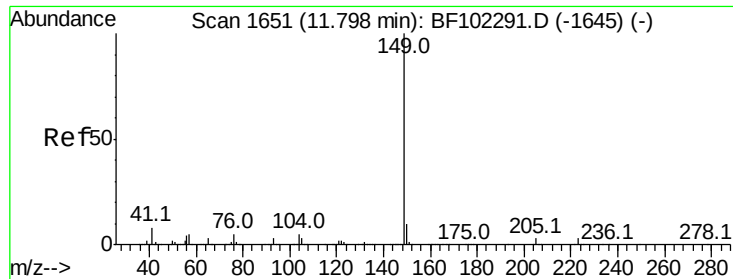
Tot Ion:188 Resp: 332639
Ion Ratio Lower Upper
188 100
94 10.1 8.5 12.7
80 11.1 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 3.569 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.24 min
Lab File: BF102411.D
Acq: 25 Jan 2018 1:01

Tgt Ion:248 Resp: 12781
Ion Ratio Lower Upper
248 100
250 197.3 76.9 115.3#
141 582.6 74.4 111.6#





#73

Di-n-butylphthalate

Concen: 15.556 ng

RT: 11.80 min Scan# 1651

Delta R.T. -0.00 min

Lab File: BF102411.D

Acq: 25 Jan 2018 1:01

Instrument :

BNA_F

ClientSampleId :

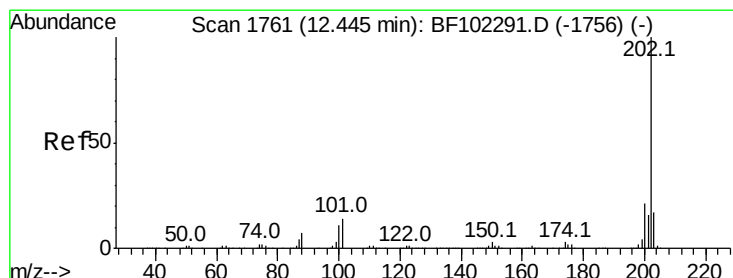
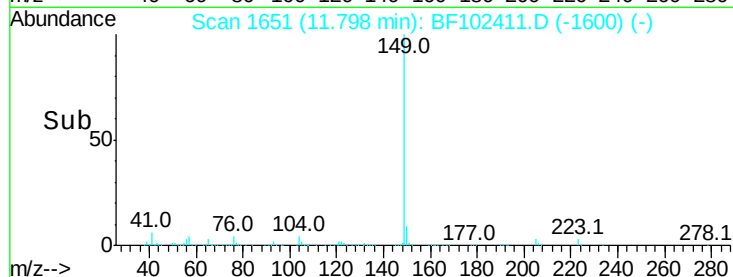
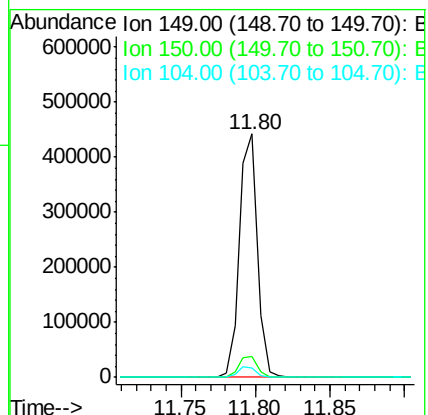
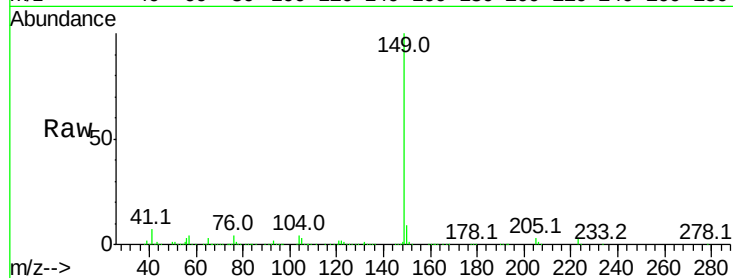
Tot Ion:149 Resp: 375303

Ion Ratio Lower Upper

149 100

150 8.8 7.8 11.6

104 4.1 3.8 5.8



#74

Fluoranthene

Concen: 3.193 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.00 min

Lab File: BF102411.D

Acq: 25 Jan 2018 1:01

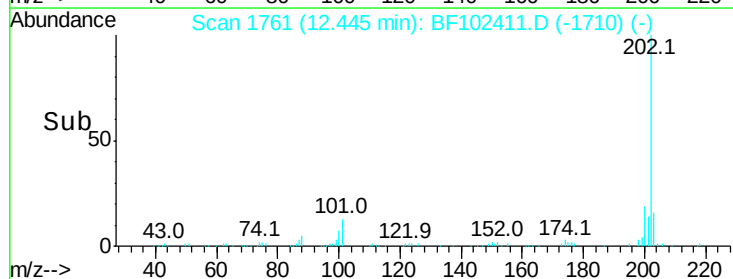
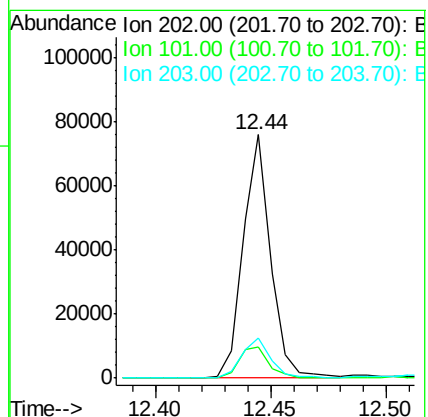
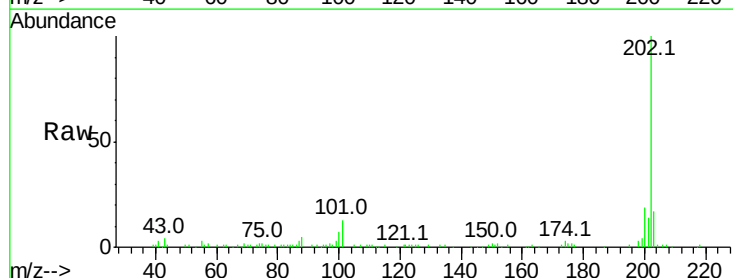
Tgt Ion:202 Resp: 63121

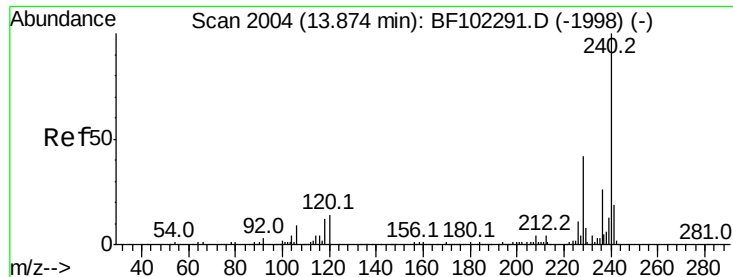
Ion Ratio Lower Upper

202 100

101 12.8 0.0 34.1

203 16.5 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BF102411.D

Acq: 25 Jan 2018 1:01

Instrument :

BNA_F

ClientSampleId :

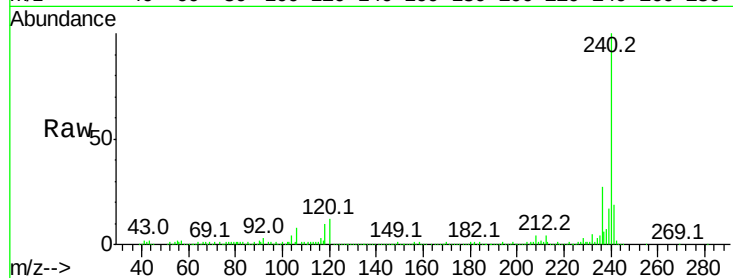
Tot Ion:240 Resp: 235880

Ion Ratio Lower Upper

240 100

120 12.1 9.5 14.3

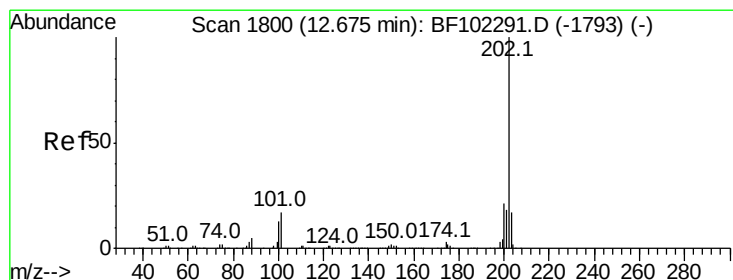
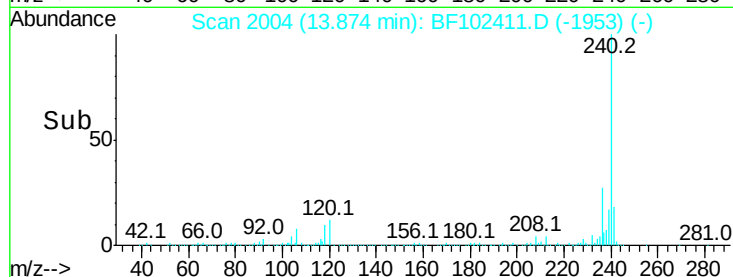
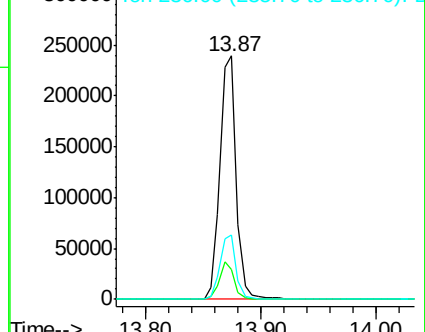
236 26.6 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 3.228 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.00 min

Lab File: BF102411.D

Acq: 25 Jan 2018 1:01

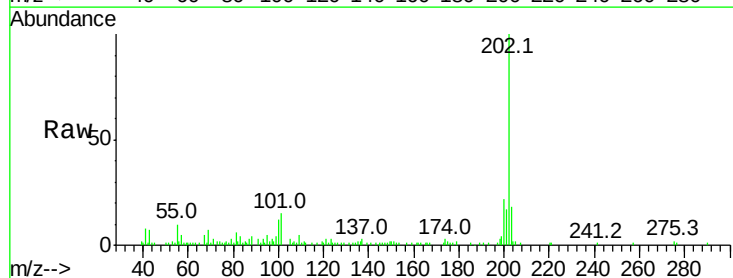
Tgt Ion:202 Resp: 58864

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

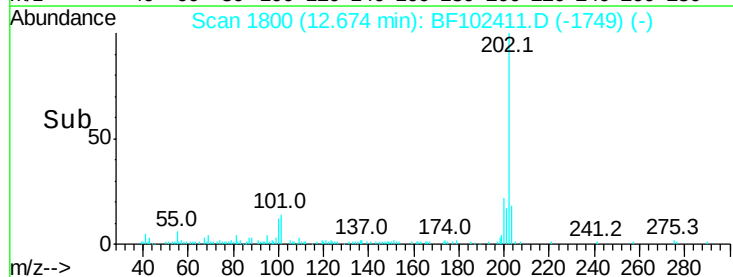
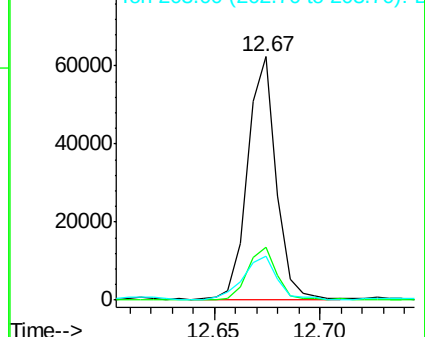
203 18.1 14.3 21.5

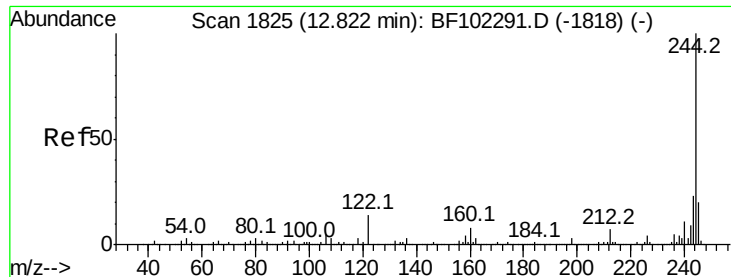


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

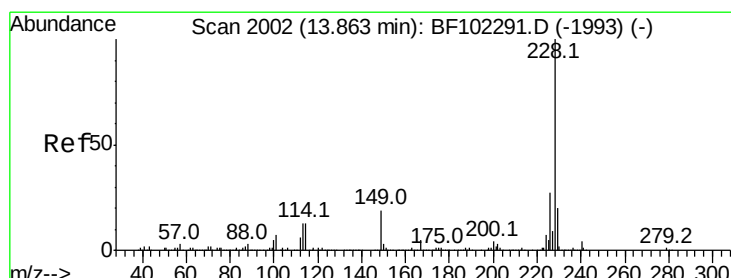
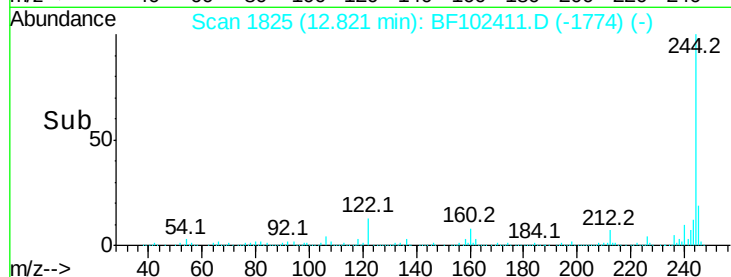
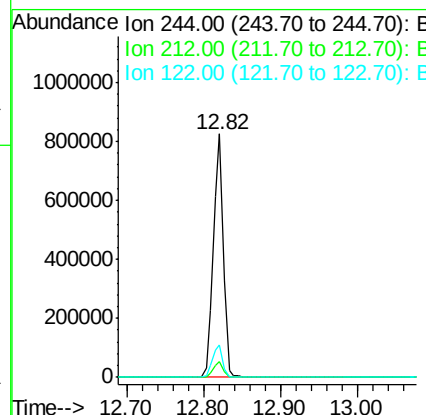
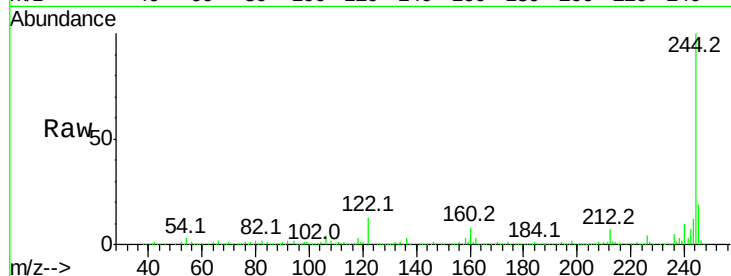




#78
 Terphenyl-d14
 Concen: 70.210 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.00 min
 Lab File: BF102411.D
 Acq: 25 Jan 2018 1:01

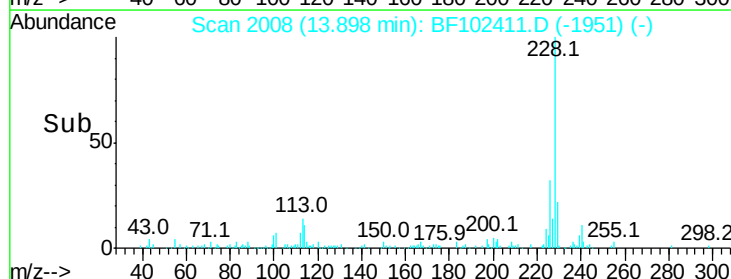
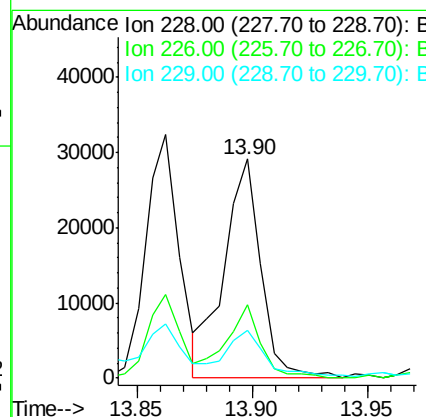
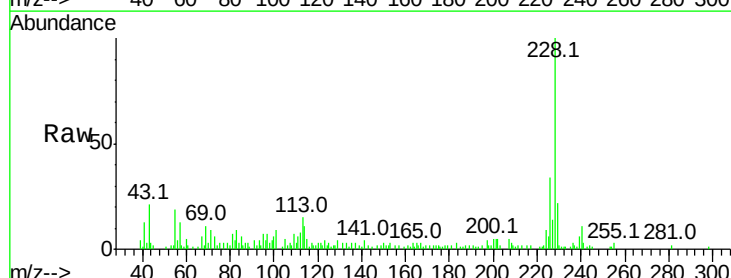
Instrument :
 BNA_F
 ClientSampled :

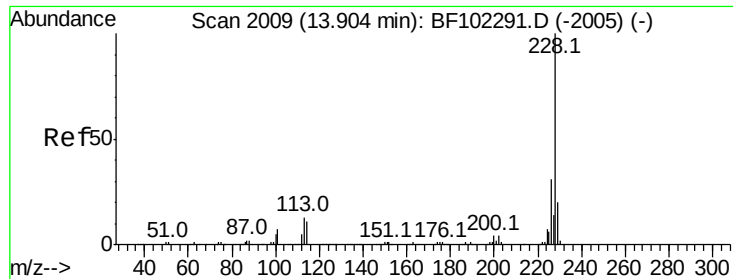
Tot Ion:244 Resp: 734626
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 13.1 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 2.242 ng
 RT: 13.90 min Scan# 2008
 Delta R.T. 0.04 min
 Lab File: BF102411.D
 Acq: 25 Jan 2018 1:01

Tgt Ion:228 Resp: 32559
 Ion Ratio Lower Upper
 228 100
 226 33.7 22.6 33.8
 229 21.6 15.8 23.6

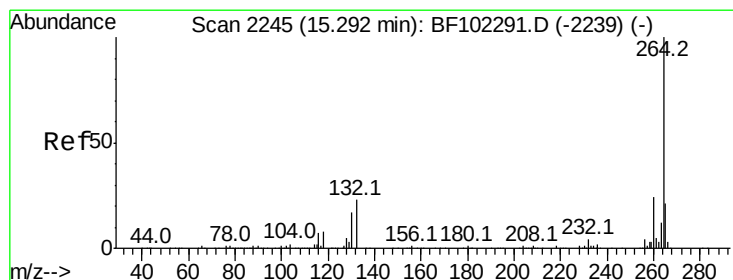
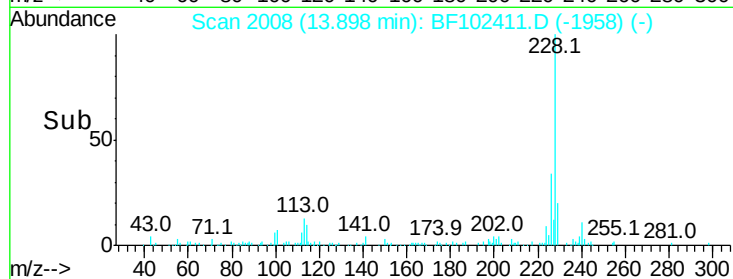
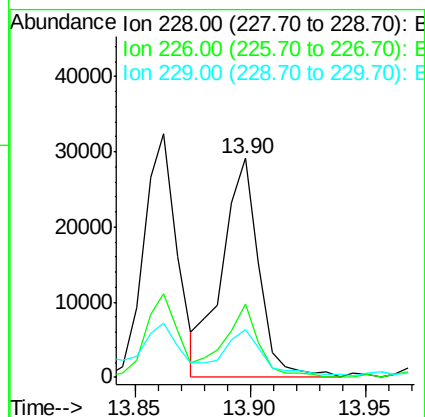
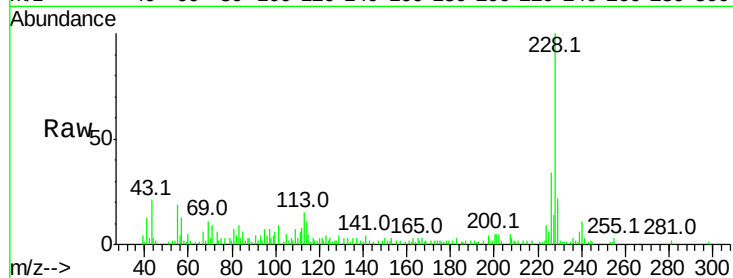




#82
Chrysene
Concen: 2.208 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF102411.D
Acq: 25 Jan 2018 1:01

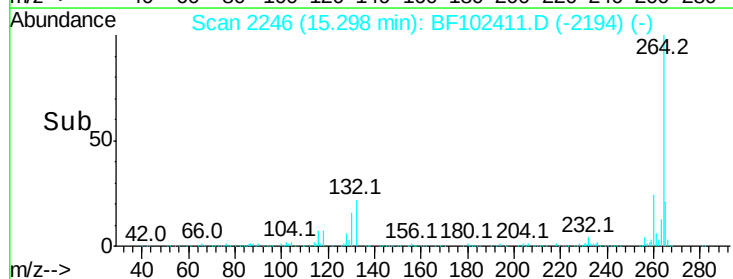
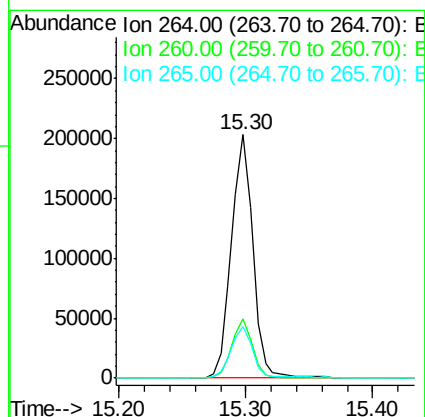
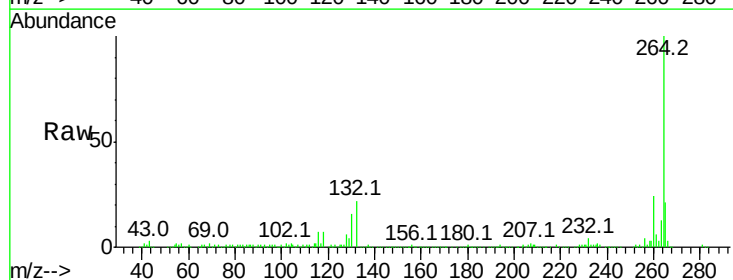
Instrument :
BNA_F
ClientSampleId :

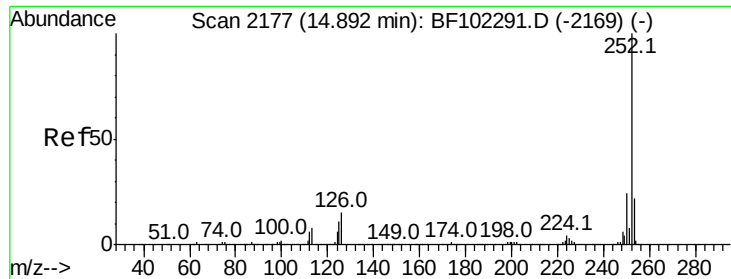
Tot Ion:228 Resp: 32559
Ion Ratio Lower Upper
228 100
226 33.7 25.0 37.6
229 21.6 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2246
Delta R.T. 0.01 min
Lab File: BF102411.D
Acq: 25 Jan 2018 1:01

Tgt Ion:264 Resp: 238901
Ion Ratio Lower Upper
264 100
260 24.4 19.2 28.8
265 21.0 17.5 26.3

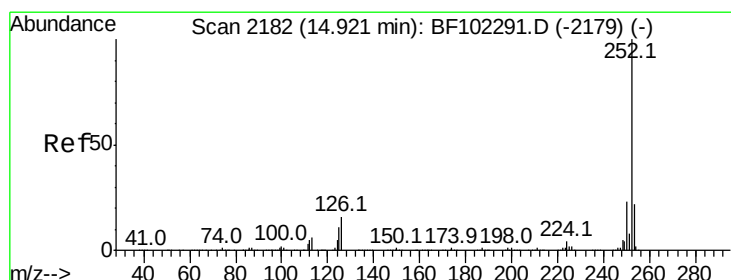
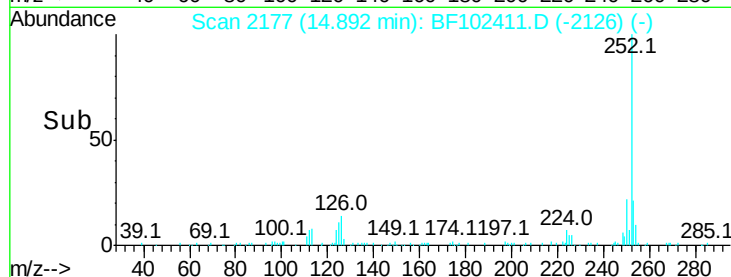
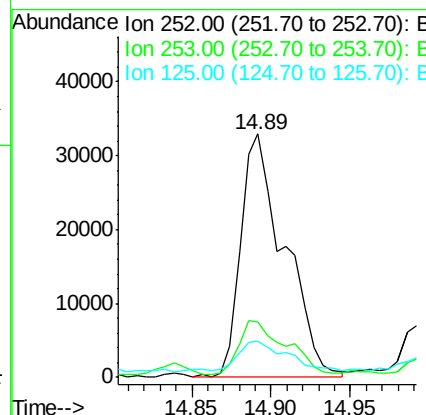
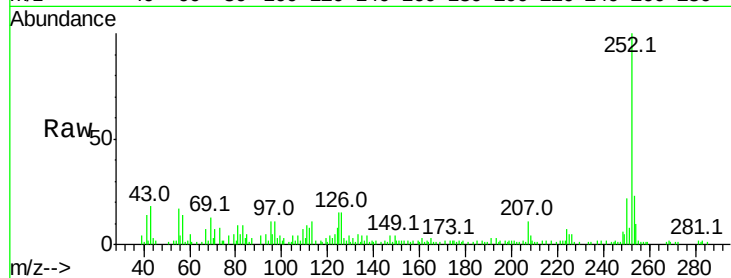




#87
Benzo(b)fluoranthene
Concen: 4.069 ng
RT: 14.89 min Scan# 2177
Delta R.T. -0.00 min
Lab File: BF102411.D
Acq: 25 Jan 2018 1:01

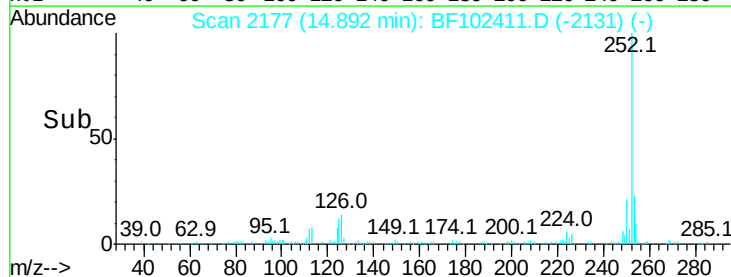
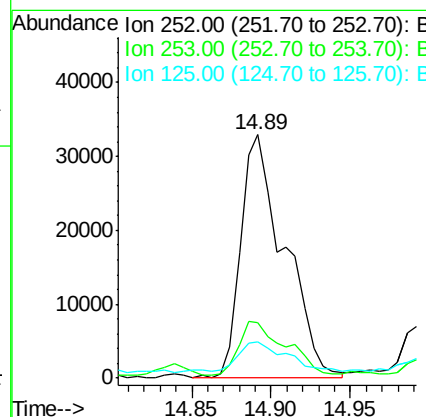
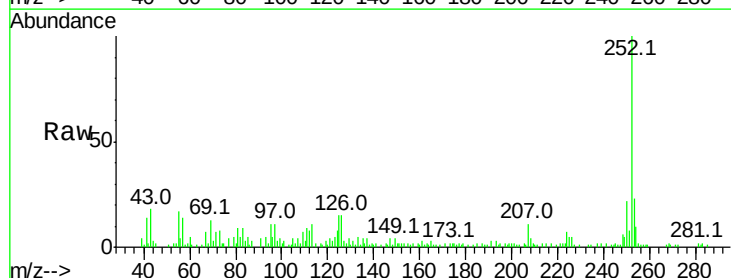
Instrument :
BNA_F
ClientSampleId :

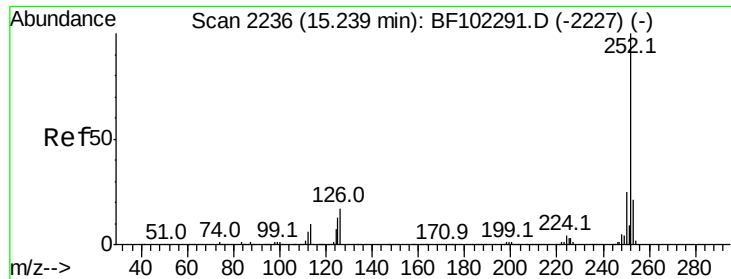
Tot Ion:252 Resp: 63008
Ion Ratio Lower Upper
252 100
253 22.6 17.0 25.6
125 15.0 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 4.307 ng
RT: 14.89 min Scan# 2177
Delta R.T. -0.03 min
Lab File: BF102411.D
Acq: 25 Jan 2018 1:01

Tgt Ion:252 Resp: 63008
Ion Ratio Lower Upper
252 100
253 22.6 17.9 26.9
125 15.0 10.2 15.2





#89

Benzo(a)pyrene

Concen: 2.378 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.01 min

Lab File: BF102411.D

Acq: 25 Jan 2018 1:01

Instrument :

BNA_F

ClientSampleId :

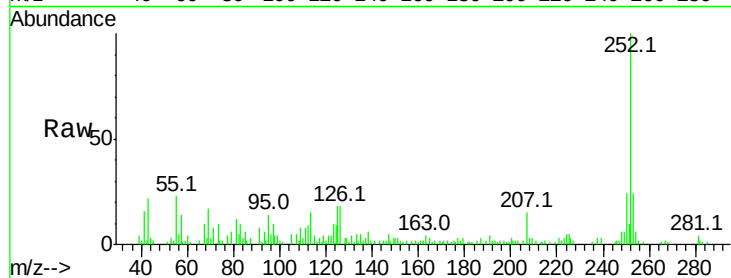
Tot Ion:252 Resp: 33209

Ion Ratio Lower Upper

252 100

253 24.5 17.1 25.7

125 17.9 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

