

Data Path : U:\HPCHEM1\BNA F\DATA\BF012418\
 Data File : BF102401.D
 Acq On : 24 Jan 2018 20:33
 Operator : SJ/JU
 Sample : J1250-13
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 25 00:10:46 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

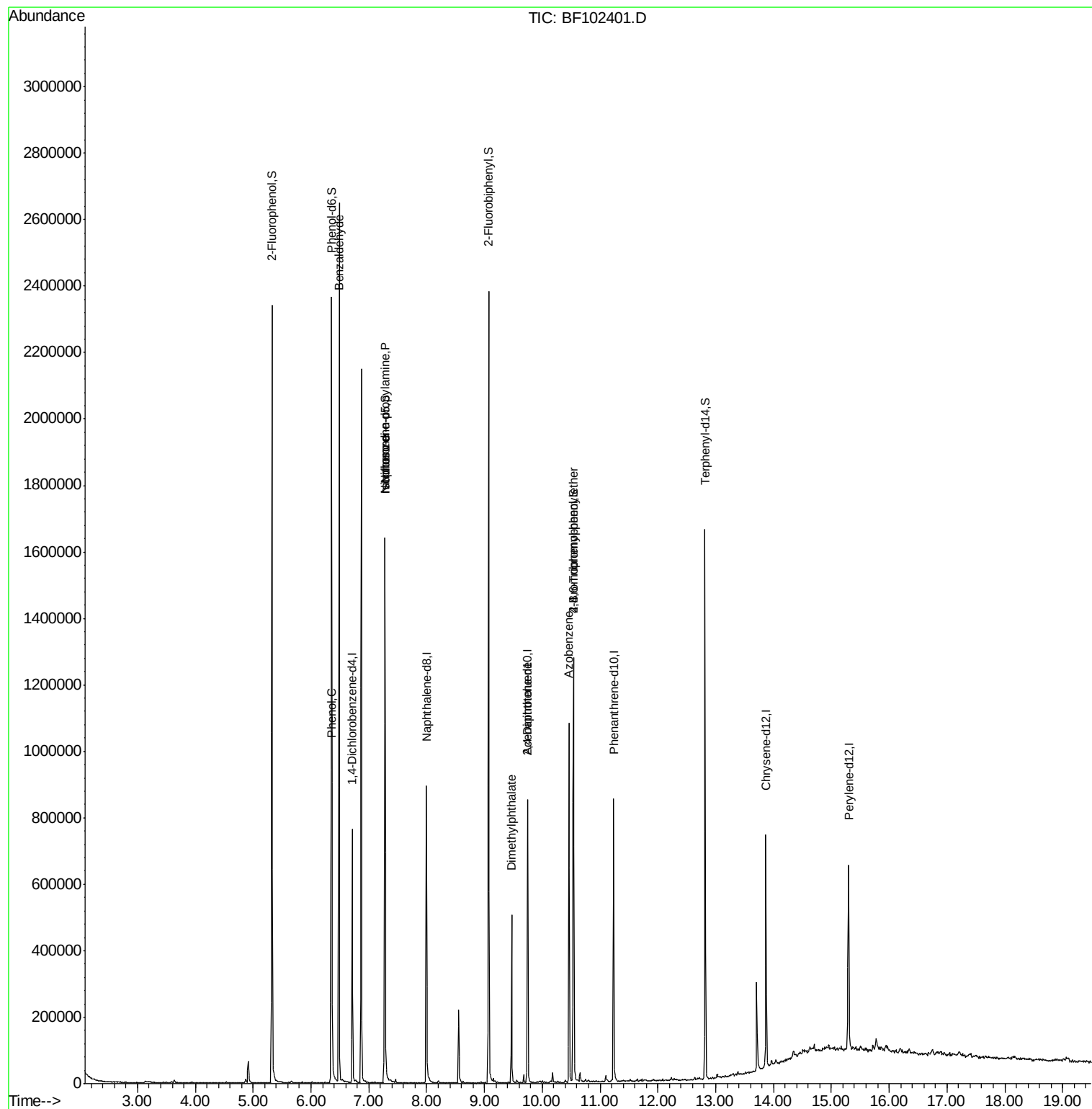
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	112824	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	448189	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	183696	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	297517	20.00	ng	0.00
75) Chrysene-d12	13.87	240	249121	20.00	ng	0.00
86) Perylene-d12	15.30	264	241052	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	707899	95.14	ng	0.00
7) Phenol-d6	6.36	99	829790	92.50	ng	0.00
23) Nitrobenzene-d5	7.28	82	508963	65.26	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	141366	77.67	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	812173	65.01	ng	0.00
78) Terphenyl-d14	12.82	244	576801	52.20	ng	0.00
Target Compounds						
9) Benzaldehyde	6.49	77	13978	2.273	ng	85
10) Phenol	6.37	94	40277	4.113	ng	98
19) n-Nitroso-di-n-propylamine	7.28	70	67267	12.253	ng	# 78
25) Isophorone	7.28	82	503004	36.177	ng	# 64
49) Dimethylphthalate	9.47	163	209675	13.809	ng	100
56) 2,4-Dinitrotoluene	9.75	165	24531	6.094	ng	# 23
62) Azobenzene	10.46	77	184355	13.647	ng	# 1
66) 4-Bromophenyl-phenylether	10.54	248	9368	2.925	ng	# 1

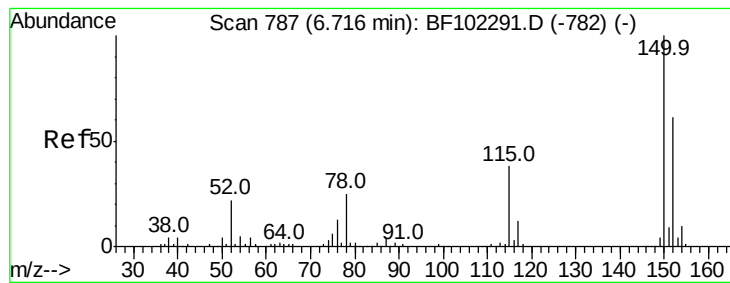
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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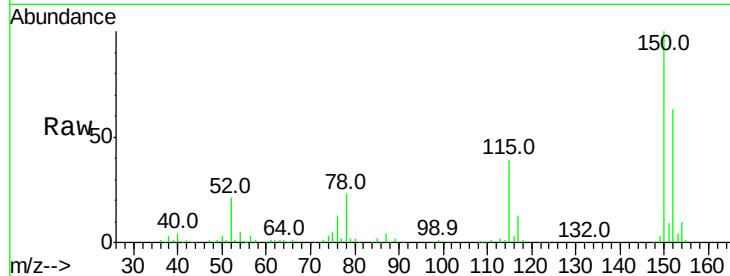


#1

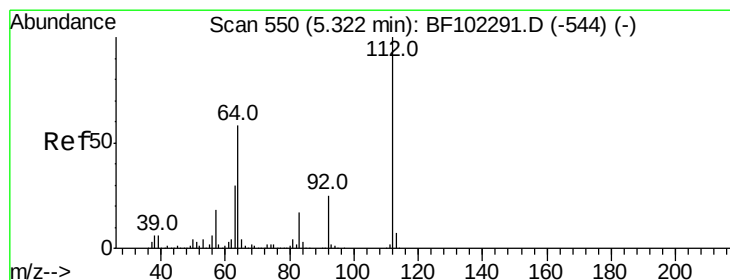
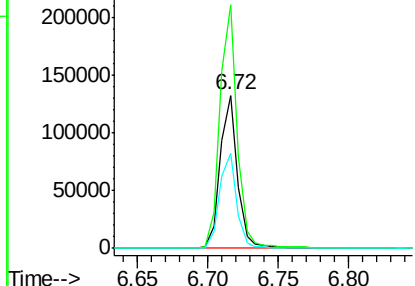
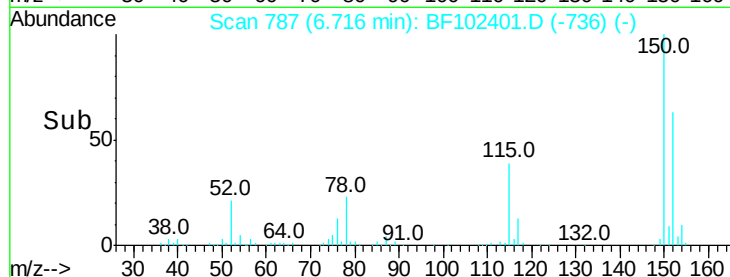
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF102401.D
Acq: 24 Jan 2018 20:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 112824
Ion Ratio Lower Upper
152 100
150 159.4 124.6 186.8
115 61.9 50.1 75.1



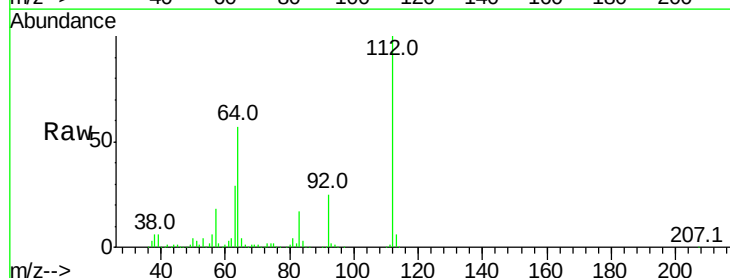
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



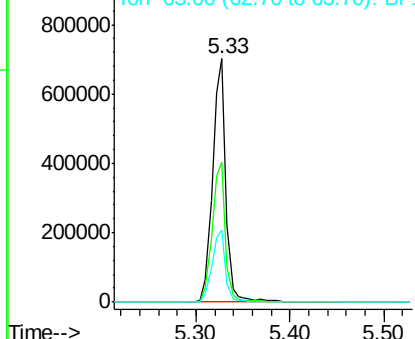
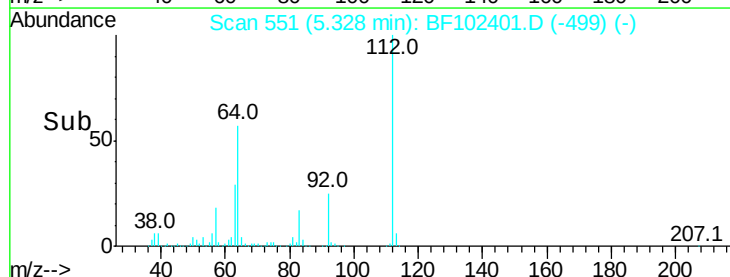
#5

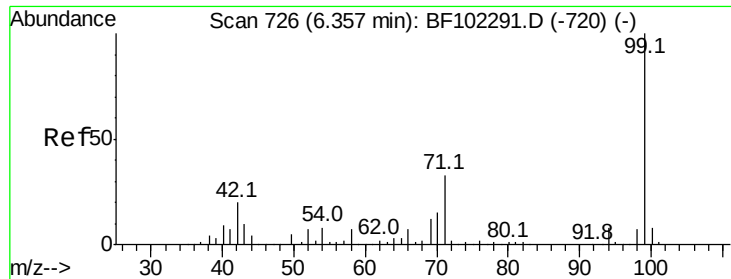
2-Fluorophenol
Concen: 95.136 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102401.D
Acq: 24 Jan 2018 20:33

Tgt Ion:112 Resp: 707899
Ion Ratio Lower Upper
112 100
64 57.3 47.9 71.9
63 29.5 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: 92.500 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF102401.D

Acq: 24 Jan 2018 20:33

Instrument :

BNA_F

ClientSampled :

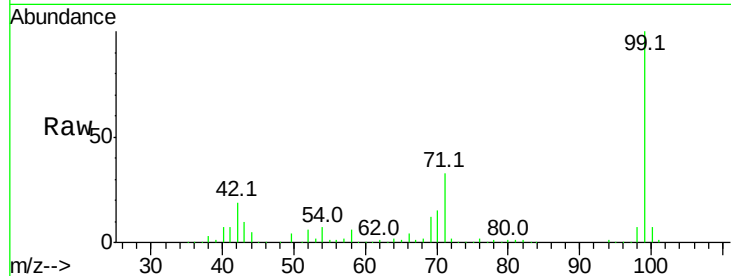
Tot Ion: 99 Resp: 829790

Ion Ratio Lower Upper

99 100

42 18.8 14.5 21.7

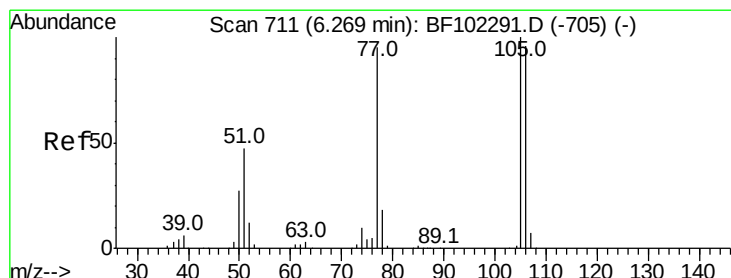
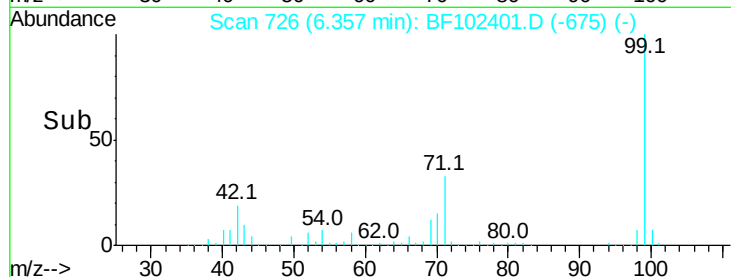
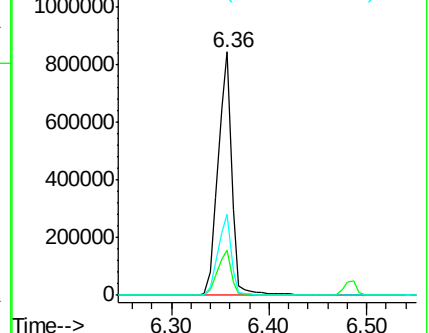
71 33.3 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.273 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.22 min

Lab File: BF102401.D

Acq: 24 Jan 2018 20:33

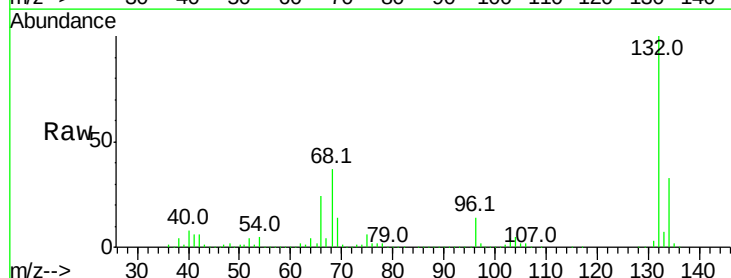
Tgt Ion: 77 Resp: 13978

Ion Ratio Lower Upper

77 100

105 84.0 81.1 121.1

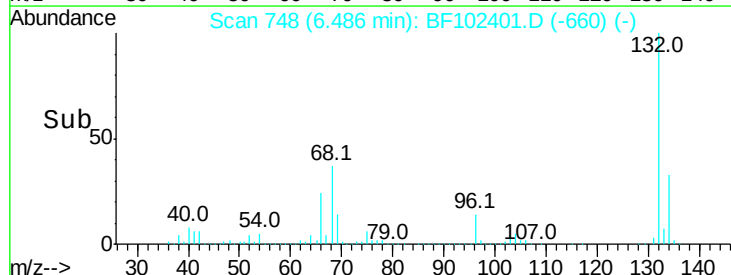
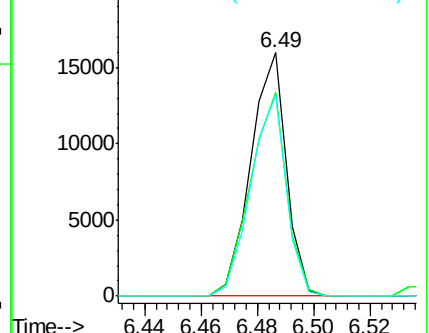
106 82.5 74.5 114.5

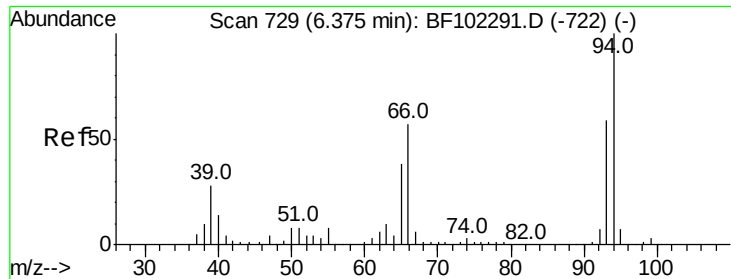


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

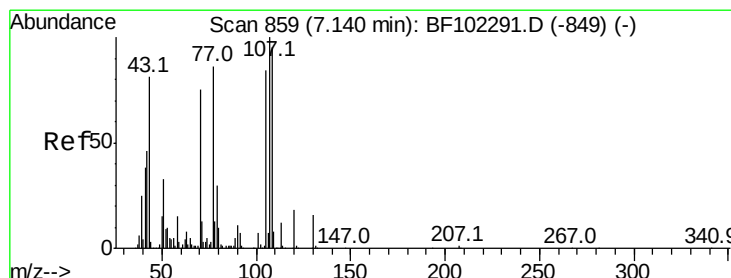
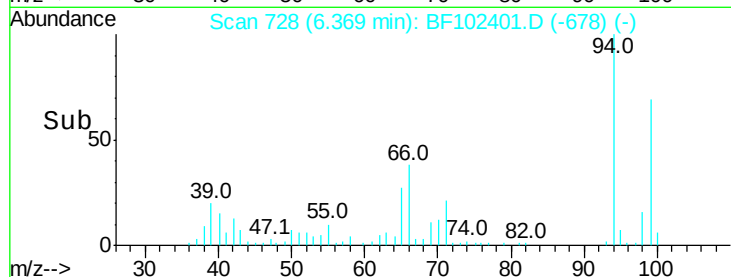
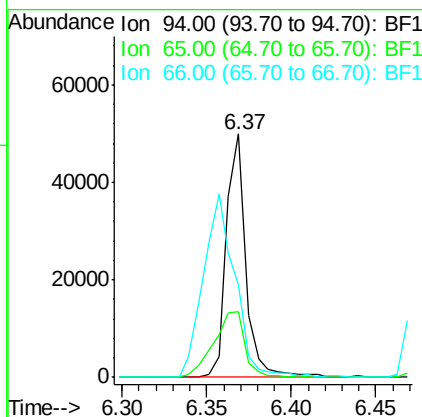
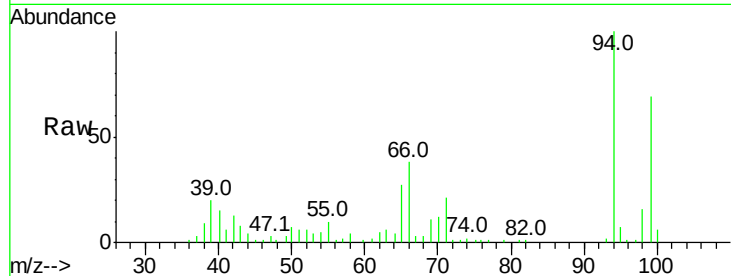




#10
Phenol
Concen: 4.113 ng
RT: 6.37 min Scan# 728
Delta R.T. -0.01 min
Lab File: BF102401.D
Acq: 24 Jan 2018 20:33

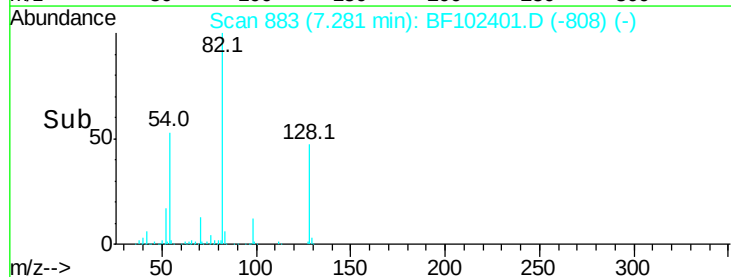
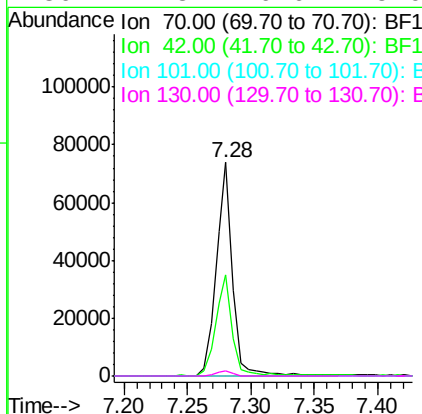
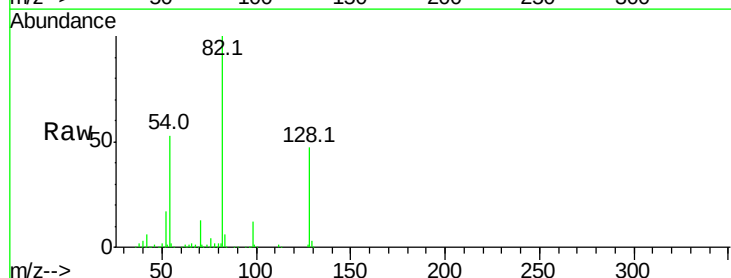
Instrument :
BNA_F
ClientSampleId :

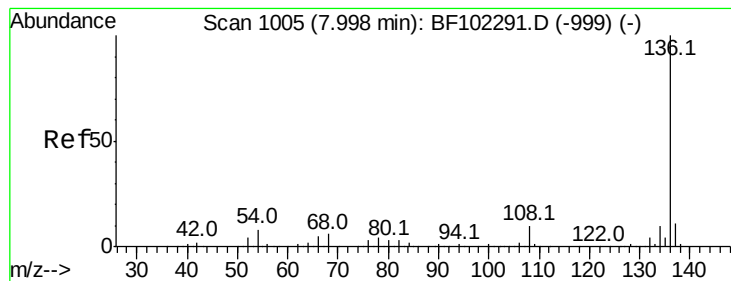
Tot Ion: 94 Resp: 40277
Ion Ratio Lower Upper
94 100
65 26.8 7.9 47.9
66 37.8 16.2 56.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.253 ng
RT: 7.28 min Scan# 883
Delta R.T. 0.14 min
Lab File: BF102401.D
Acq: 24 Jan 2018 20:33

Tgt Ion: 70 Resp: 67267
Ion Ratio Lower Upper
70 100
42 47.5 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: BF102401.D

Acq: 24 Jan 2018 20:33

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 448189

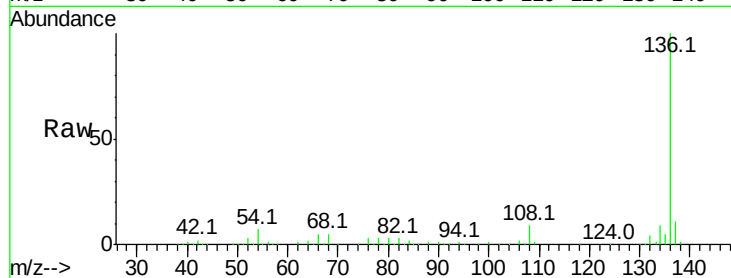
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 7.4 6.6 9.8

68 5.0 5.0 7.4

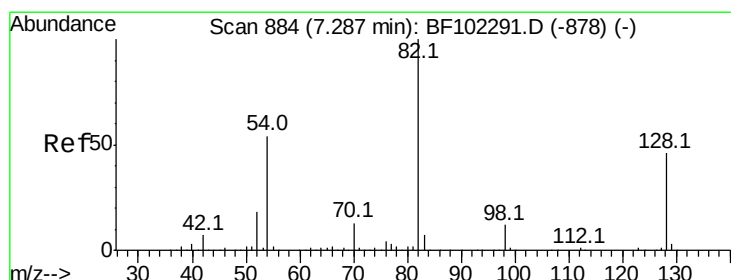
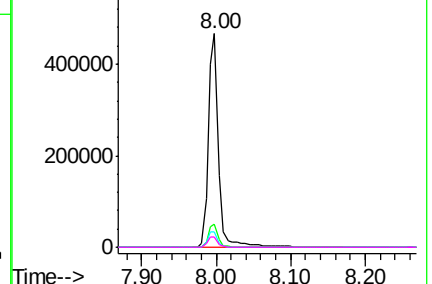
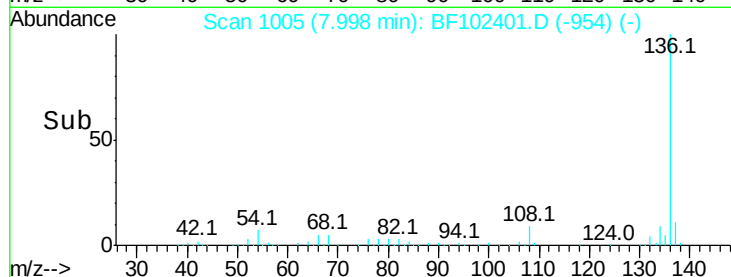


Abundance Ion 136.00 (135.70 to 136.70): E

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: 65.259 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF102401.D

Acq: 24 Jan 2018 20:33

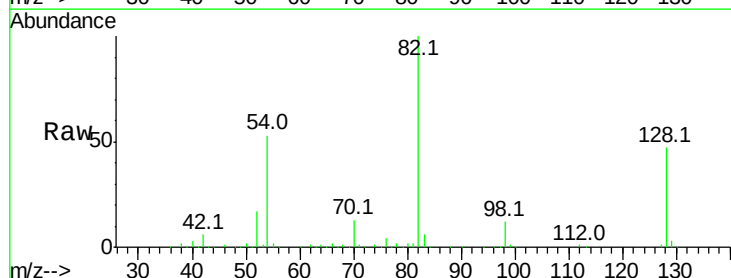
Tgt Ion: 82 Resp: 508963

Ion Ratio Lower Upper

82 100

128 46.9 36.1 54.1

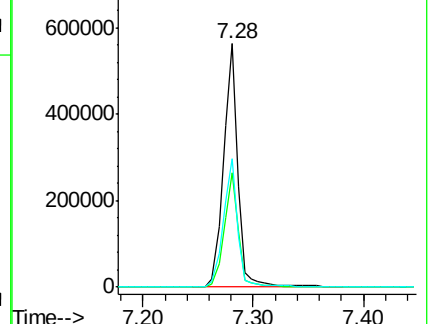
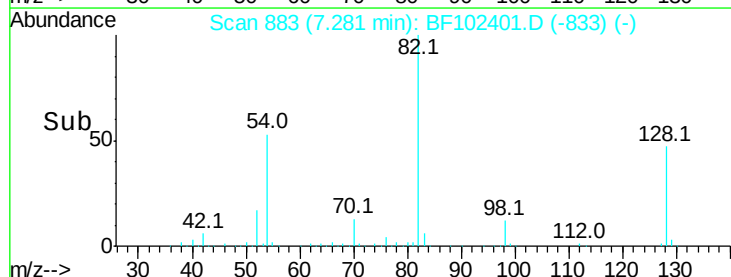
54 52.8 41.4 62.2

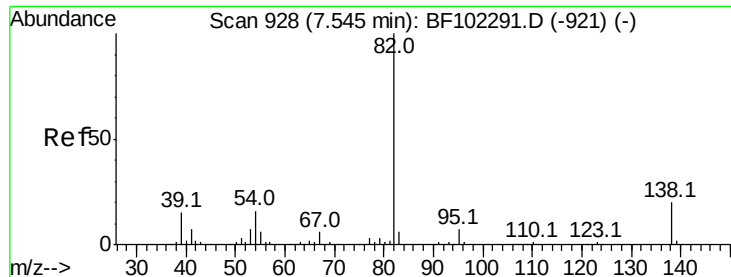


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 36.177 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF102401.D

Acq: 24 Jan 2018 20:33

Instrument :
BNA_F
ClientSampled :

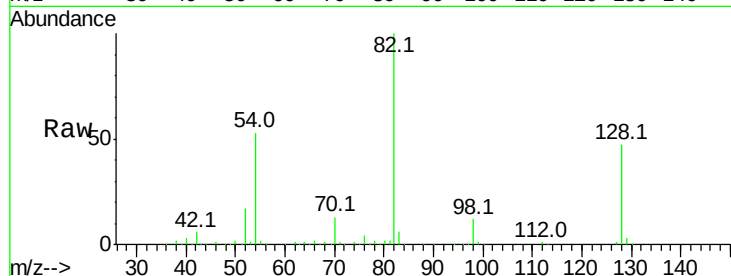
Tot Ion: 82 Resp: 503004

Ion Ratio Lower Upper

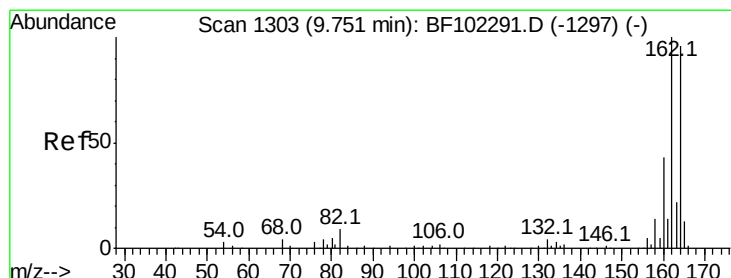
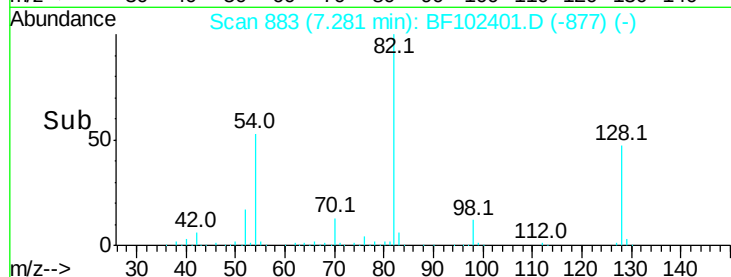
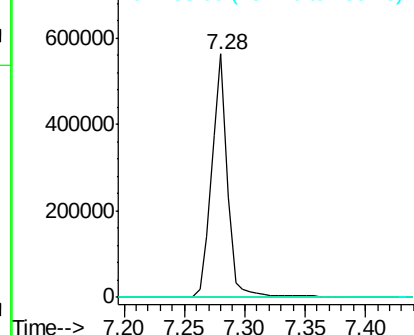
82 100

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: BF102401.D

Acq: 24 Jan 2018 20:33

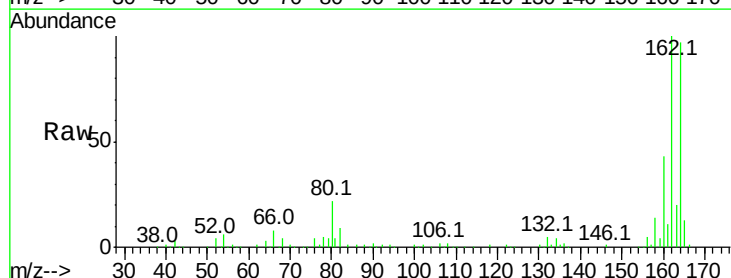
Tgt Ion: 164 Resp: 183696

Ion Ratio Lower Upper

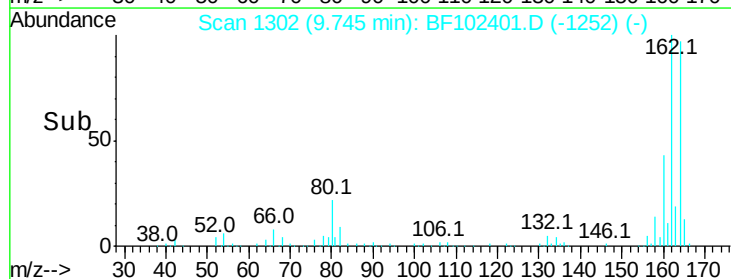
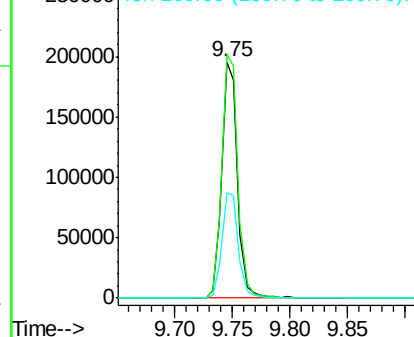
164 100

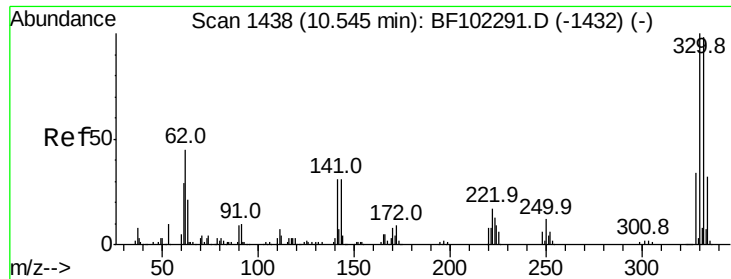
162 103.1 86.1 129.1

160 44.6 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: 77.667 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF102401.D

Acq: 24 Jan 2018 20:33

Instrument :

BNA_F

ClientSampleId :

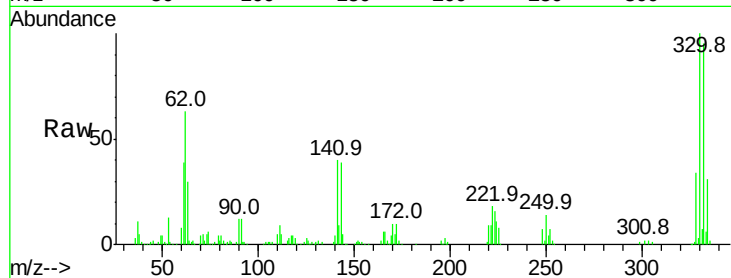
Tot Ion:330 Resp: 141366

Ion Ratio Lower Upper

330 100

332 94.9 77.0 115.6

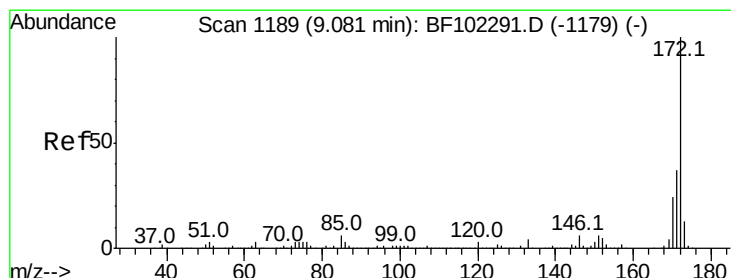
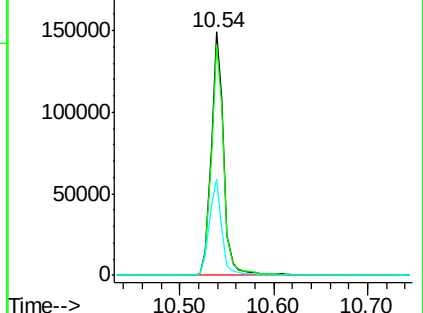
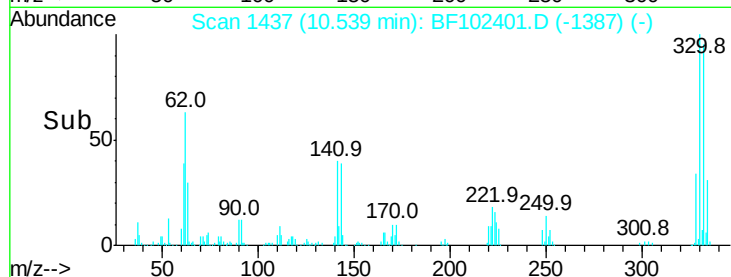
141 39.4 29.9 44.9



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: 65.009 ng

RT: 9.07 min Scan# 1188

Delta R.T. -0.01 min

Lab File: BF102401.D

Acq: 24 Jan 2018 20:33

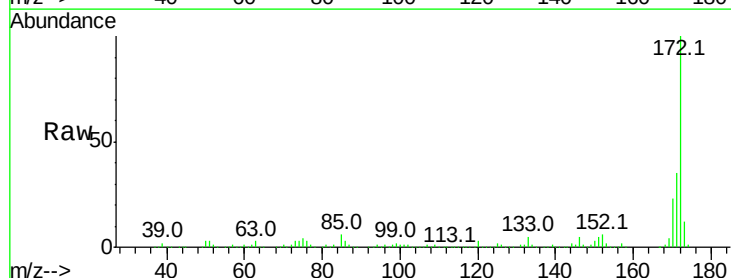
Tgt Ion:172 Resp: 812173

Ion Ratio Lower Upper

172 100

171 35.3 29.7 44.5

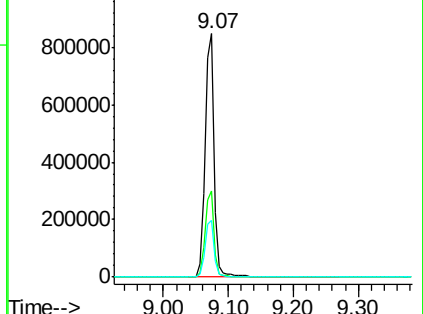
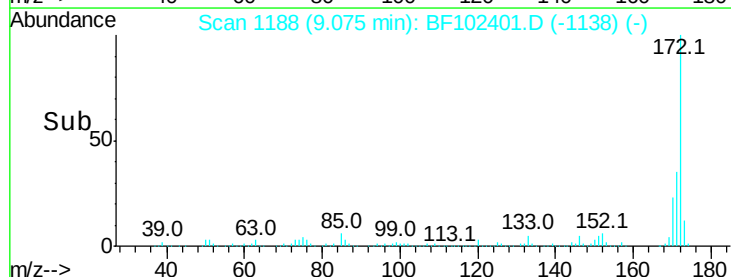
170 23.3 19.6 29.4

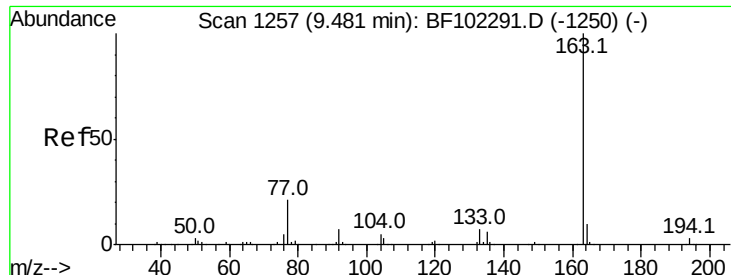


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

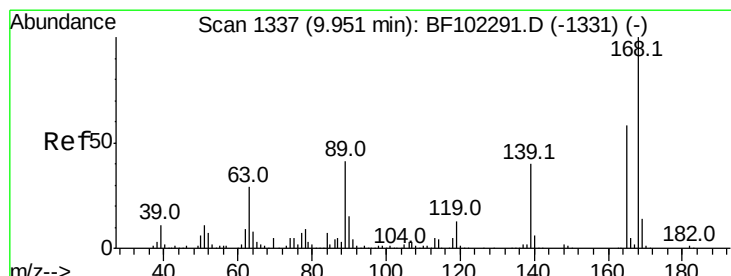
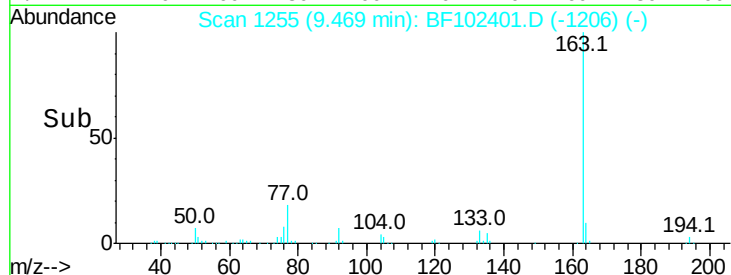
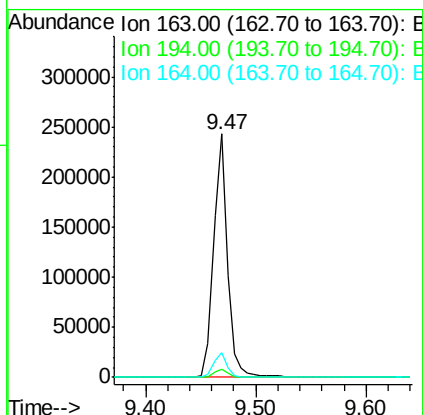
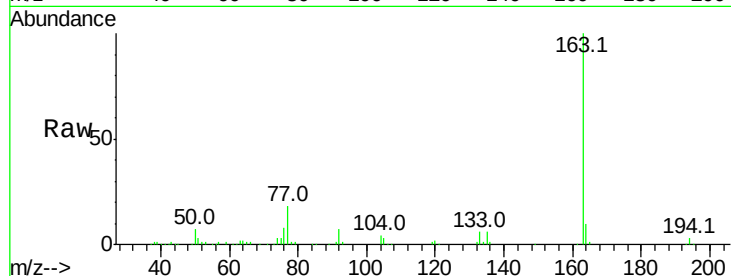




#49
Dimethylphthalate
Concen: 13.809 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF102401.D
Acq: 24 Jan 2018 20:33

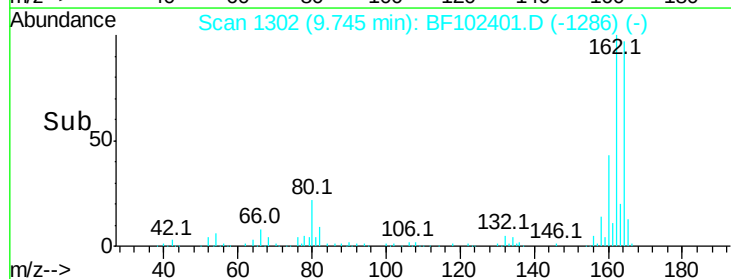
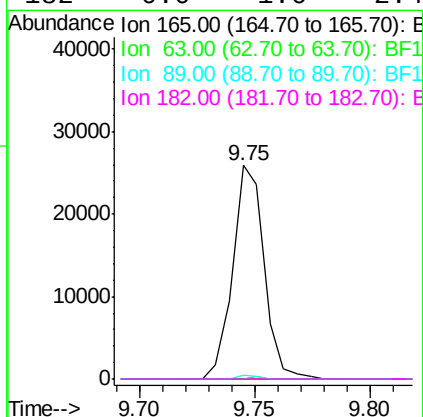
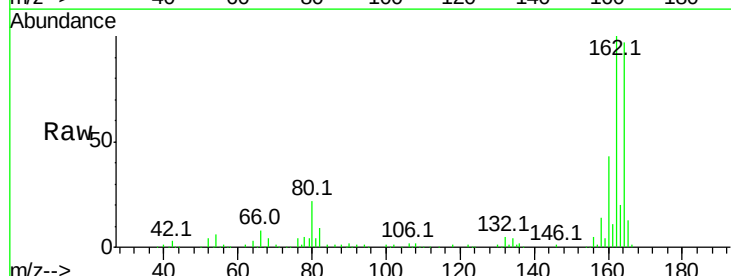
Instrument :
BNA_F
ClientSampleId :

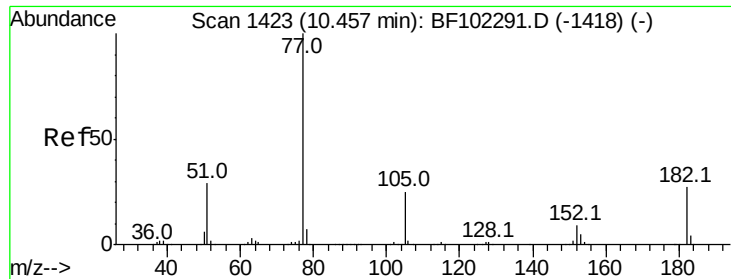
Tot Ion:163 Resp: 209675
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.1 8.2 12.2



#56
2,4-Dinitrotoluene
Concen: 6.094 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.21 min
Lab File: BF102401.D
Acq: 24 Jan 2018 20:33

Tgt Ion:165 Resp: 24531
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 1.6 57.8 86.6#
182 0.0 1.6 2.4#

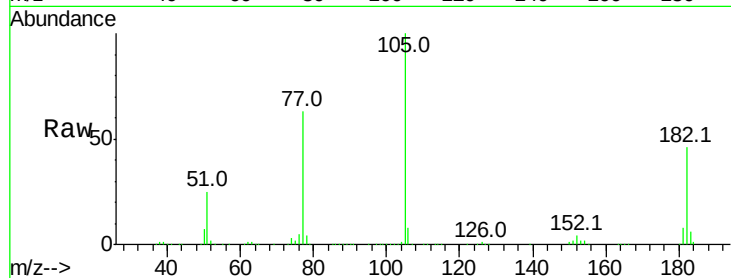




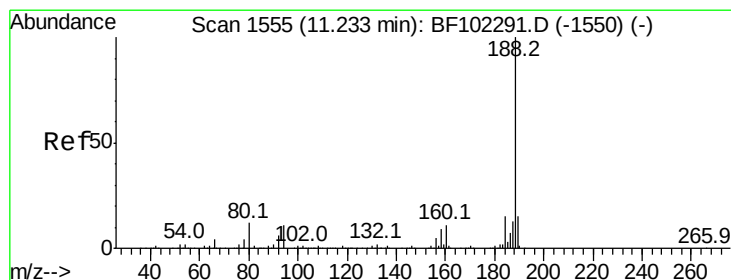
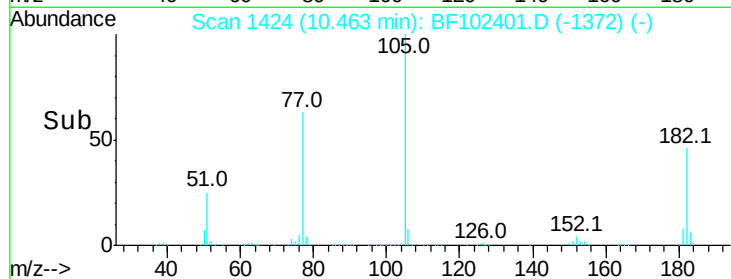
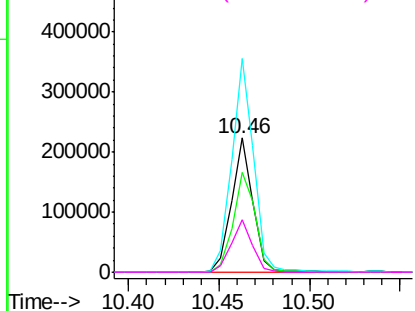
#62
Azobenzene
Concen: 13.647 ng
RT: 10.46 min Scan# 1424
Delta R.T. 0.01 min
Lab File: BF102401.D
Acq: 24 Jan 2018 20:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 77 Resp: 184355
Ion Ratio Lower Upper
77 100
182 74.0 1.7 41.7#
105 159.2 3.0 43.0#
51 39.4 9.9 49.9

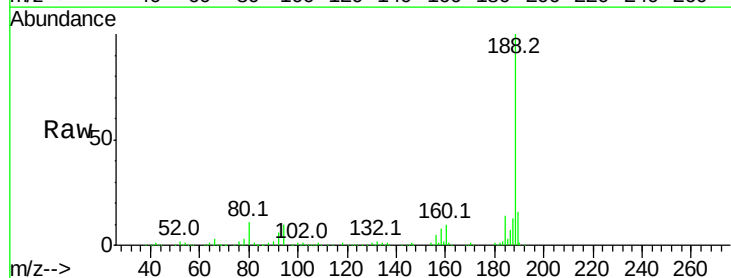


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

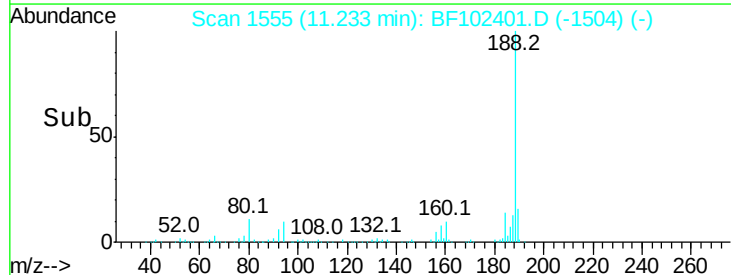
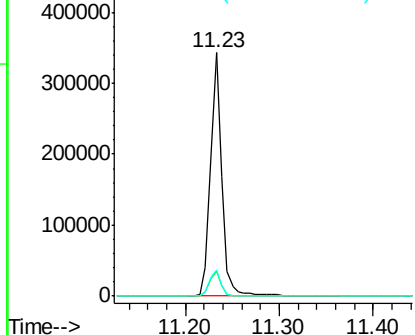


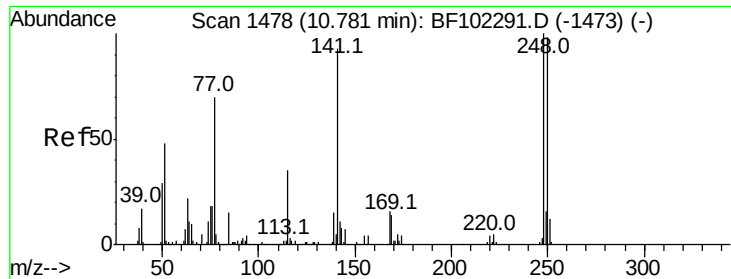
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.00 min
Lab File: BF102401.D
Acq: 24 Jan 2018 20:33

Tgt Ion: 188 Resp: 297517
Ion Ratio Lower Upper
188 100
94 9.9 8.5 12.7
80 10.7 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

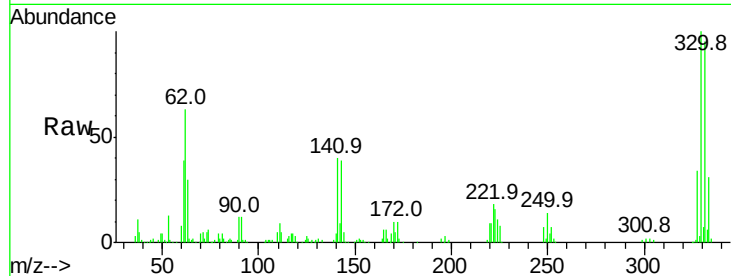




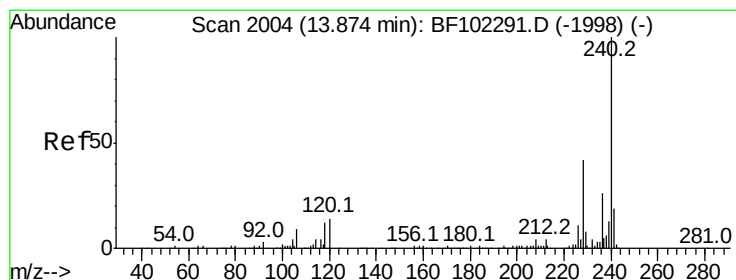
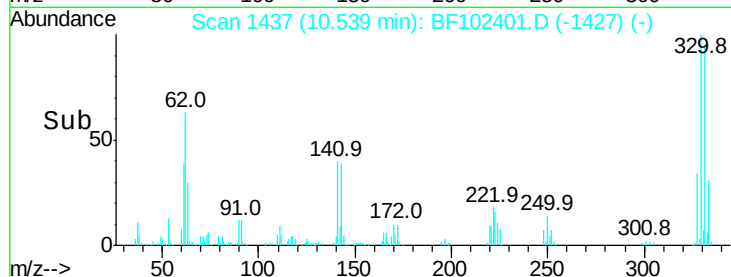
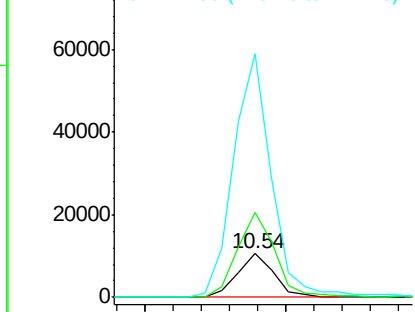
#66
4-Bromophenyl-phenylether
Concen: 2.925 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.24 min
Lab File: BF102401.D
Acq: 24 Jan 2018 20:33

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 9368
Ion Ratio Lower Upper
248 100
250 195.5 76.9 115.3#
141 562.1 74.4 111.6#

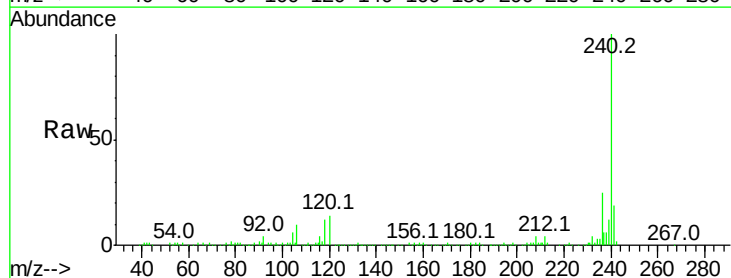


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

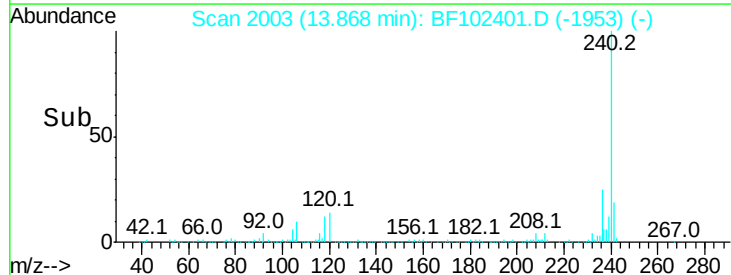
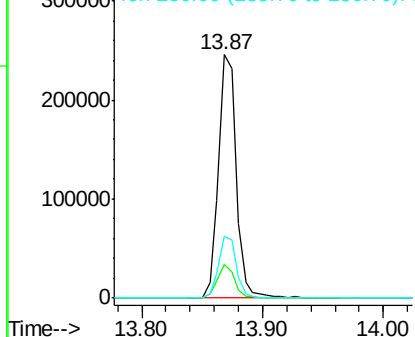


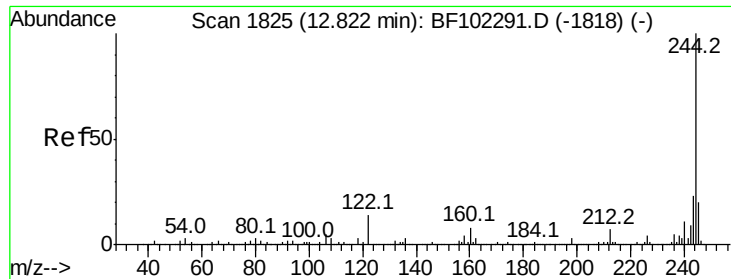
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF102401.D
Acq: 24 Jan 2018 20:33

Tgt Ion:240 Resp: 249121
Ion Ratio Lower Upper
240 100
120 13.9 9.5 14.3
236 25.2 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





#78

Terphenyl-d14

Concen: 52.196 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BF102401.D

Acq: 24 Jan 2018 20:33

Instrument :

BNA_F

ClientSampleId :

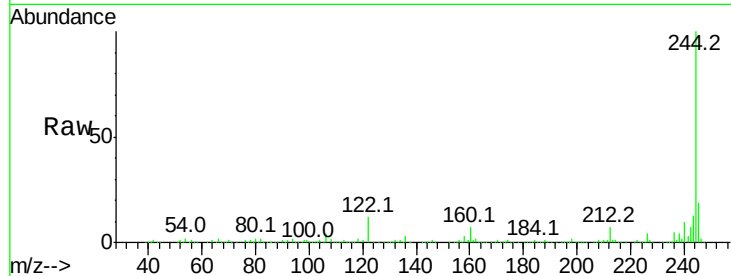
Tot Ion:244 Resp: 576801

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

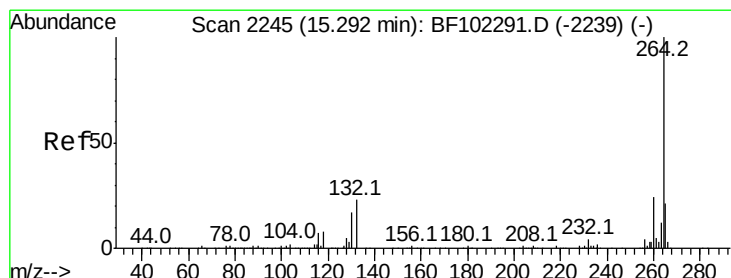
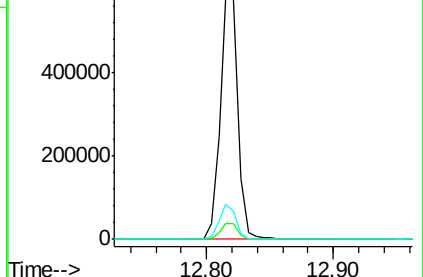
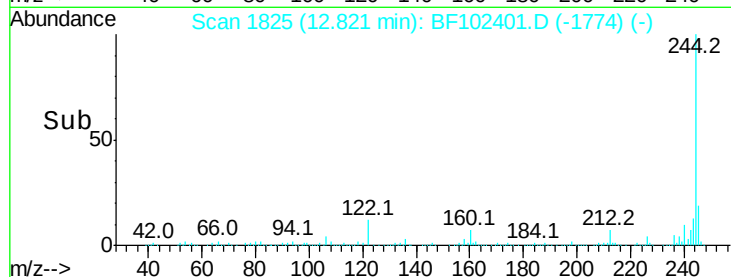
122 11.8 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.30 min Scan# 2246

Delta R.T. 0.01 min

Lab File: BF102401.D

Acq: 24 Jan 2018 20:33

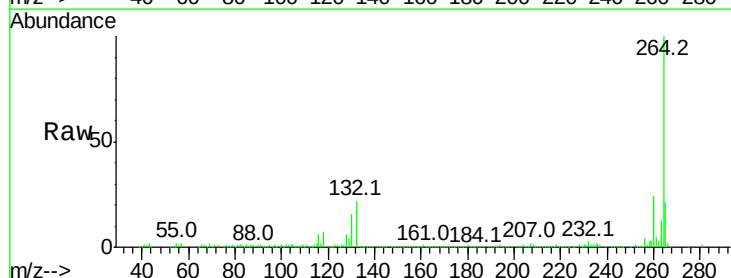
Tgt Ion:264 Resp: 241052

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 20.8 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

