

Data Path : U:\HPCHEM1\BNA F\DATA\BF012418\
 Data File : BF102412.D
 Acq On : 25 Jan 2018 1:28
 Operator : SJ/JU
 Sample : J1235-05
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 25 02:56:02 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	131040	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	529333	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	225480	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	349449	20.00	ng	0.00
75) Chrysene-d12	13.87	240	238002	20.00	ng	0.00
86) Perylene-d12	15.30	264	233958	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	828262	95.84	ng	0.00
7) Phenol-d6	6.36	99	1016369	97.55	ng	0.00
23) Nitrobenzene-d5	7.28	82	630134	68.41	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	169373	75.81	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	975031	63.58	ng	0.00
78) Terphenyl-d14	12.82	244	680598	64.47	ng	0.00
Target Compounds						
9) Benzaldehyde	6.49	77	17557	2.447	ng	83
10) Phenol	6.37	94	44223	3.888	ng	93
19) n-Nitroso-di-n-propylamine	7.28	70	81582	12.795	ng	# 78
25) Isophorone	7.28	82	618907	37.690	ng	# 64
49) Dimethylphthalate	9.47	163	184968	9.925	ng	99
56) 2,4-Dinitrotoluene	9.75	165	28291	5.725	ng	# 23
66) 4-Bromophenyl-phenylether	10.54	248	10967	2.915	ng	# 1
73) Di-n-butylphthalate	11.79	149	61211	2.415	ng	100

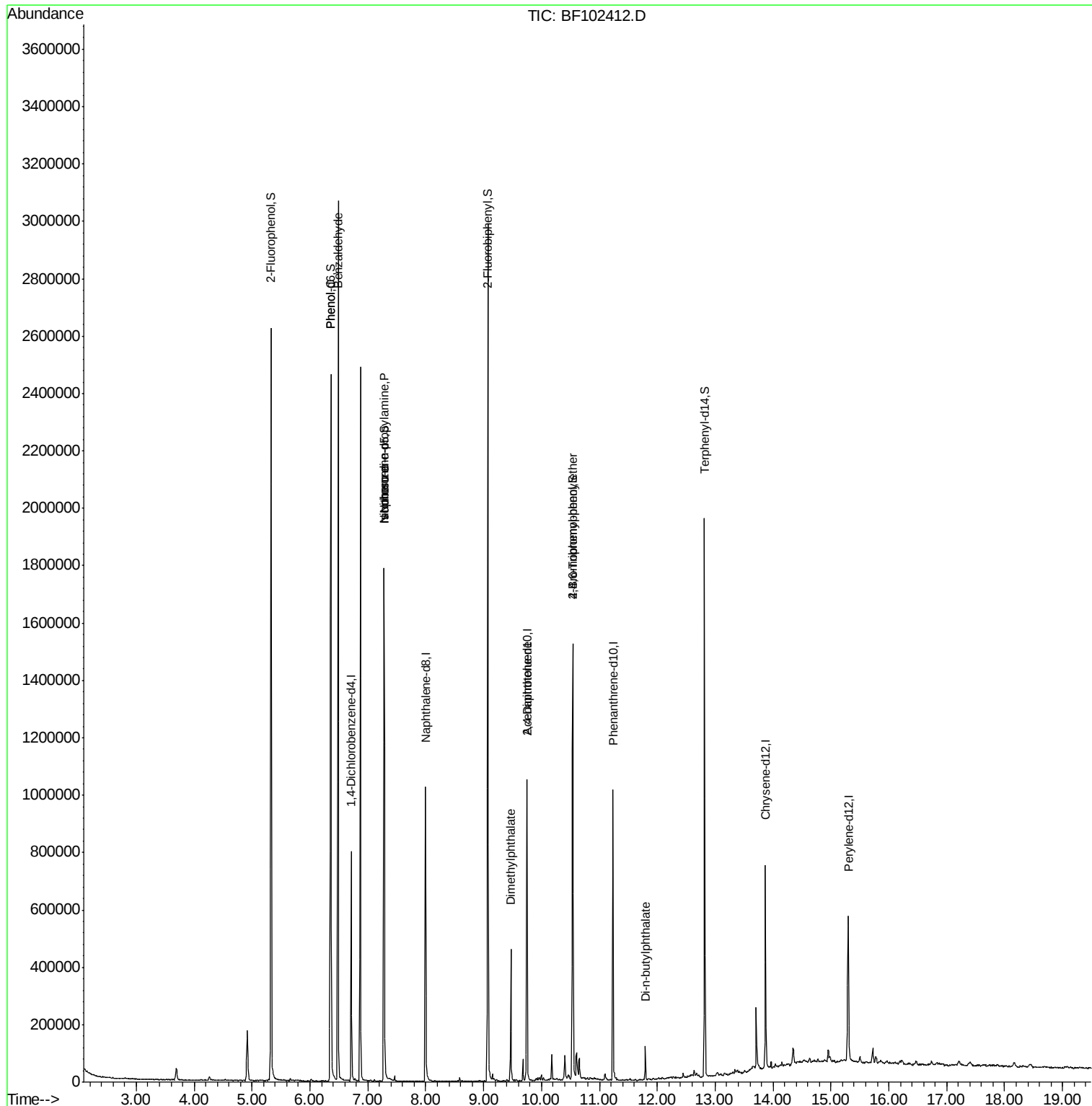
(#) = qualifier out of range (m) = manual integration (+) = signals summed

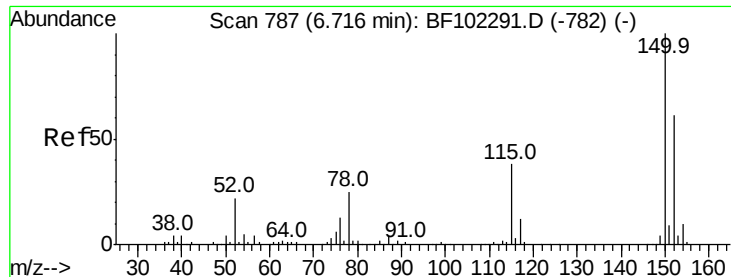
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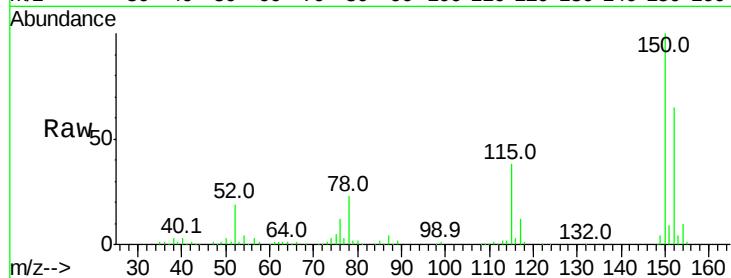


#1

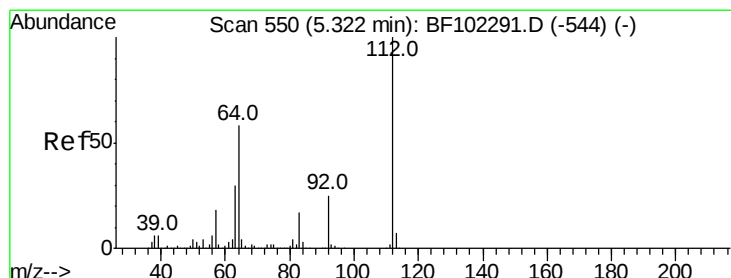
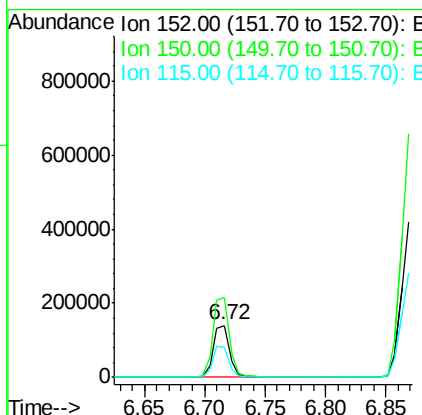
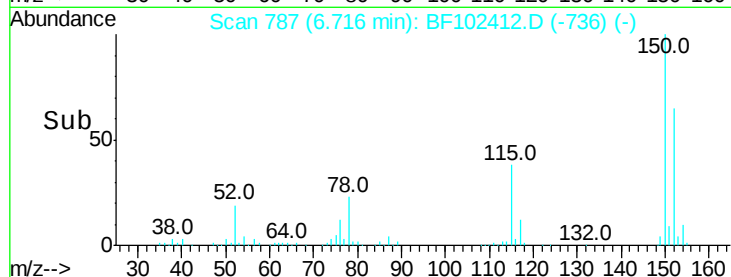
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF102412.D
Acq: 25 Jan 2018 1:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 131040
Ion Ratio Lower Upper
152 100
150 154.0 124.6 186.8
115 58.5 50.1 75.1



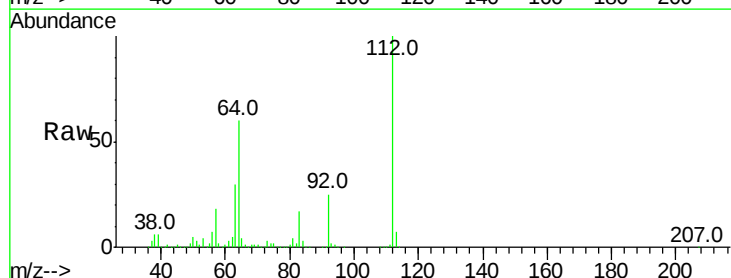
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



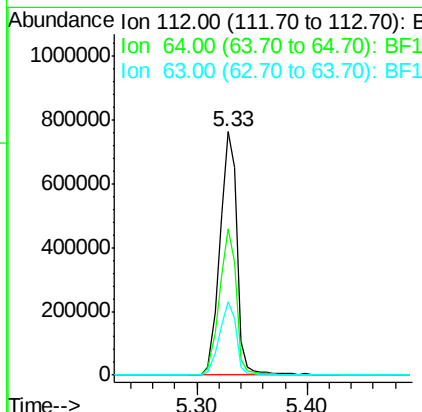
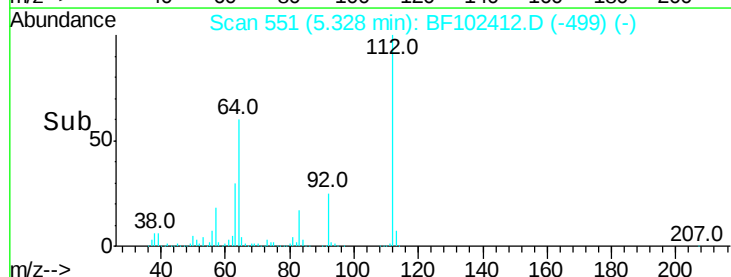
#5

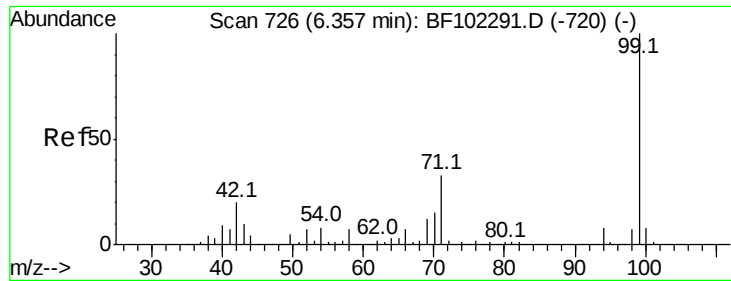
2-Fluorophenol
Concen: 95.838 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102412.D
Acq: 25 Jan 2018 1:28

Tgt Ion:112 Resp: 828262
Ion Ratio Lower Upper
112 100
64 60.0 47.9 71.9
63 30.4 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: 97.549 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF102412.D

Acq: 25 Jan 2018 1:28

Instrument :

BNA_F

ClientSampled :

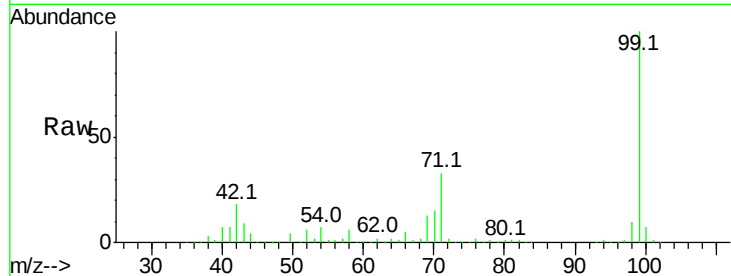
Tot Ion: 99 Resp: 1016369

Ion Ratio Lower Upper

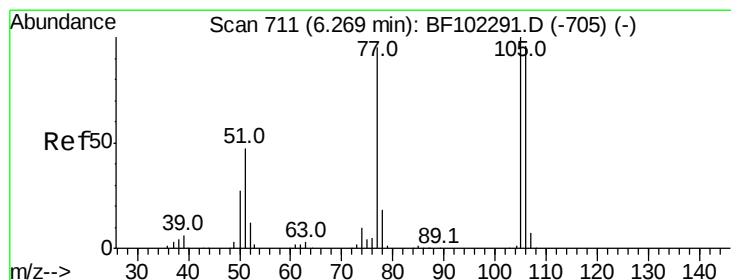
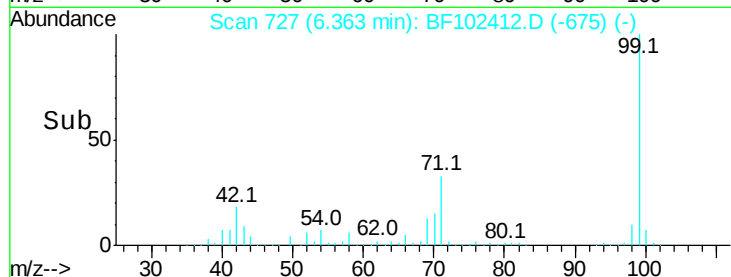
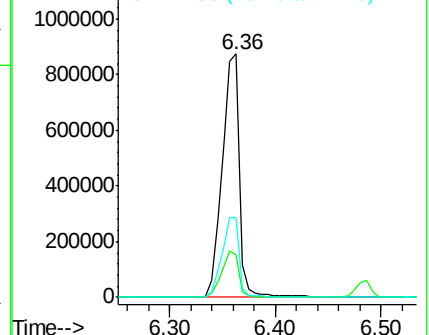
99 100

42 17.7 14.5 21.7

71 32.8 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: 2.447 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.22 min

Lab File: BF102412.D

Acq: 25 Jan 2018 1:28

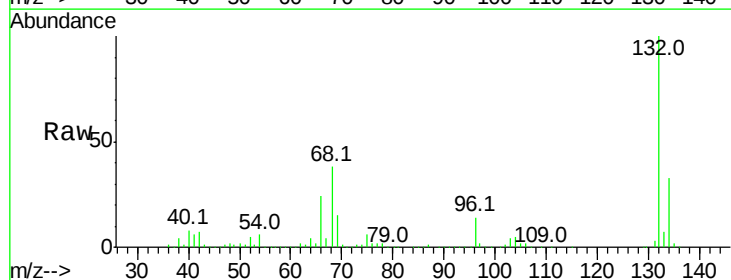
Tgt Ion: 77 Resp: 17557

Ion Ratio Lower Upper

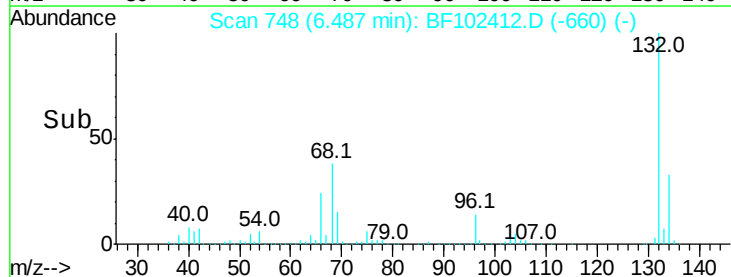
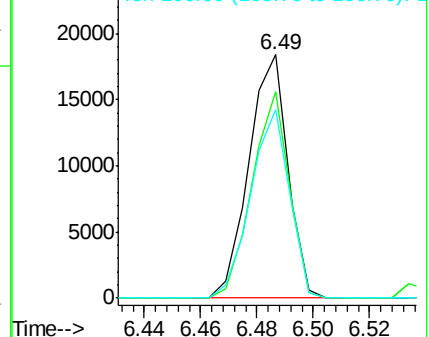
77 100

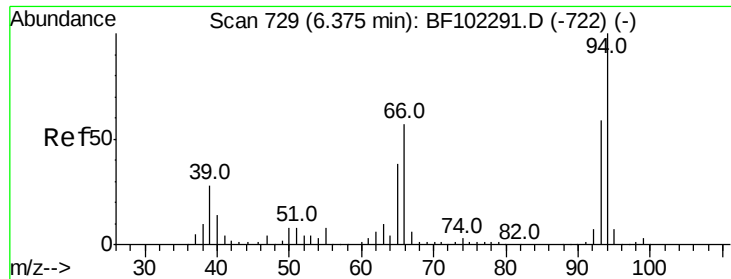
105 84.8 81.1 121.1

106 77.5 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 3.888 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF102412.D

Acq: 25 Jan 2018 1:28

Instrument :

BNA_F

ClientSampleId :

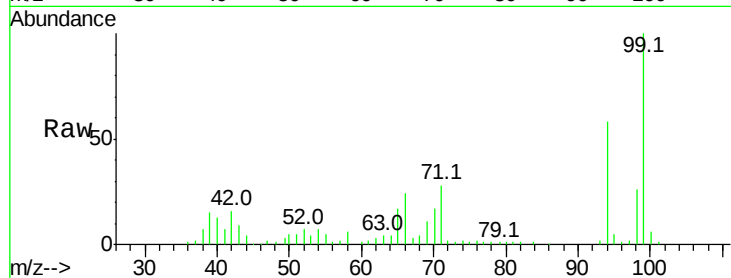
Tot Ion: 94 Resp: 44223

Ion Ratio Lower Upper

94 100

65 30.1 7.9 47.9

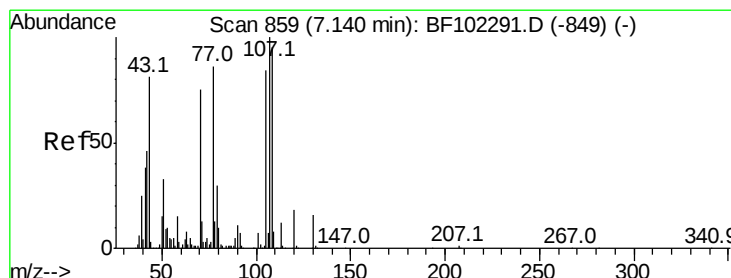
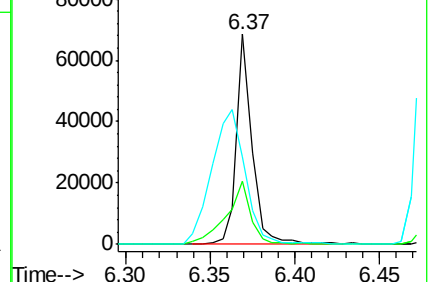
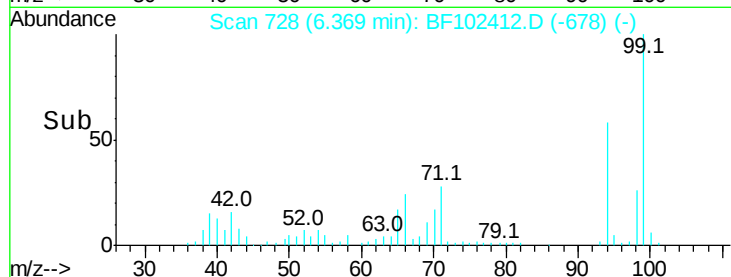
66 41.8 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 12.795 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.14 min

Lab File: BF102412.D

Acq: 25 Jan 2018 1:28

Tgt Ion: 70 Resp: 81582

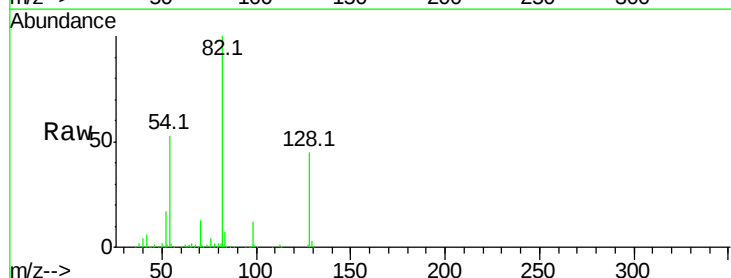
Ion Ratio Lower Upper

70 100

42 47.9 47.5 71.3

101 0.0 7.4 11.2#

130 2.8 16.6 25.0#

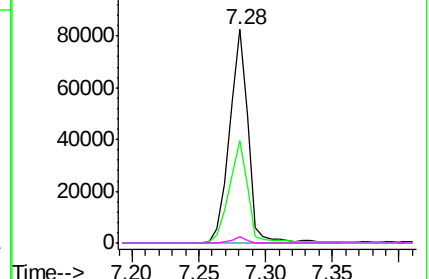
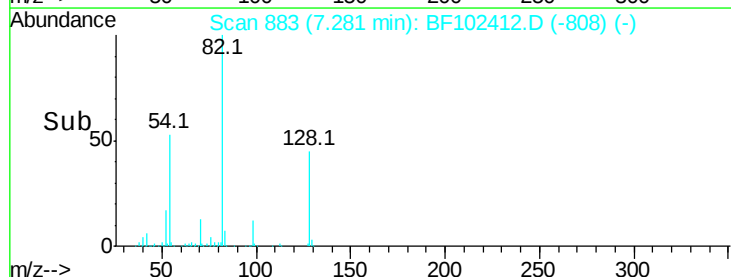


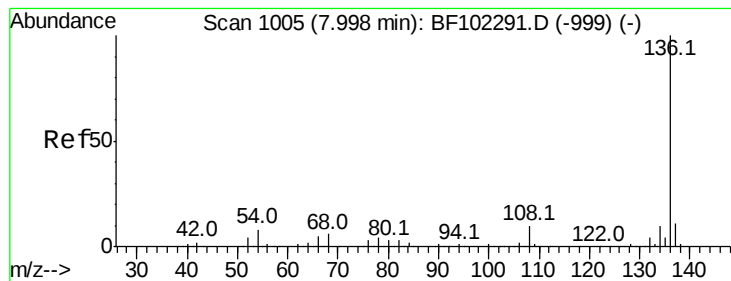
Abundance Ion 70.00 (69.70 to 70.70): BF1

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# 1005

Delta R.T. -0.00 min

Lab File: BF102412.D

Acq: 25 Jan 2018 1:28

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 529333

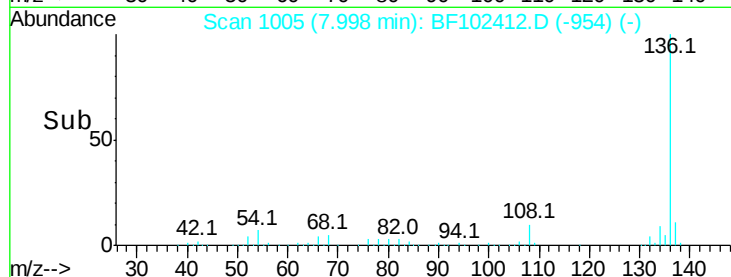
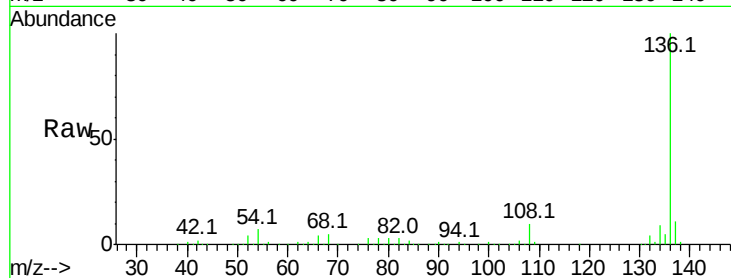
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 7.0 6.6 9.8

68 5.2 5.0 7.4

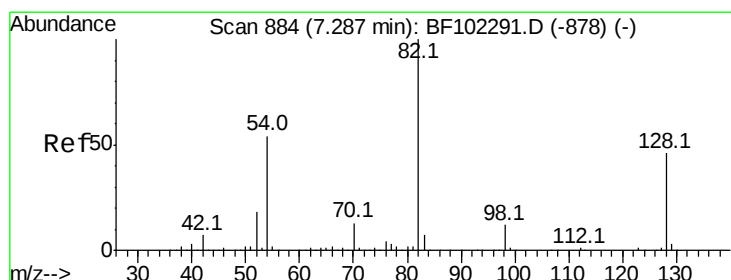
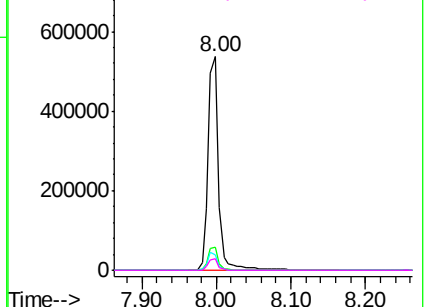


Abundance Ion 136.00 (135.70 to 136.70): E

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: 68.410 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF102412.D

Acq: 25 Jan 2018 1:28

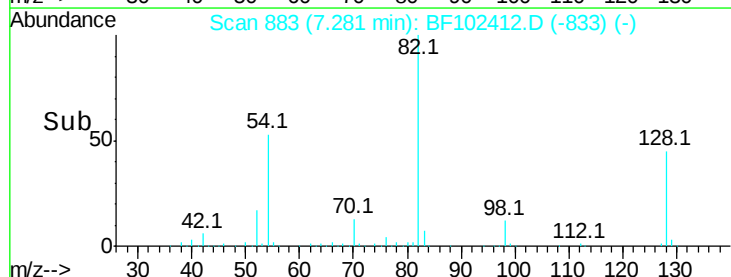
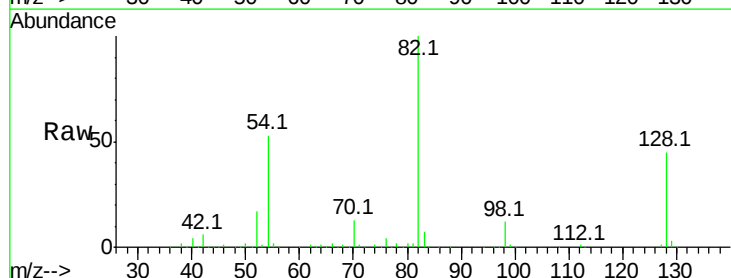
Tgt Ion: 82 Resp: 630134

Ion Ratio Lower Upper

82 100

128 45.5 36.1 54.1

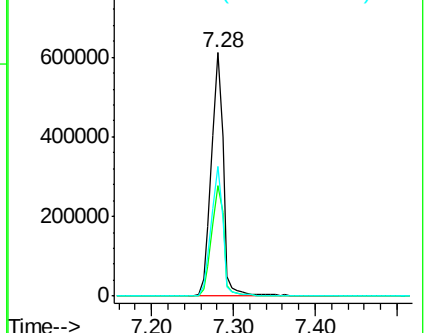
54 53.3 41.4 62.2

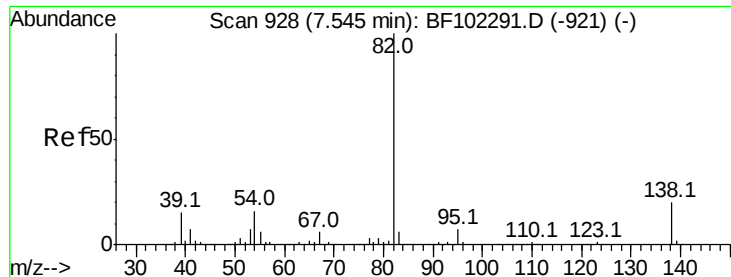


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 37.690 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF102412.D

Acq: 25 Jan 2018 1:28

Instrument :

BNA_F

ClientSampleId :

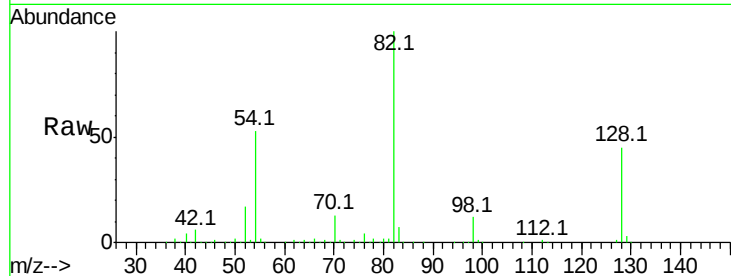
Tot Ion: 82 Resp: 618907

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

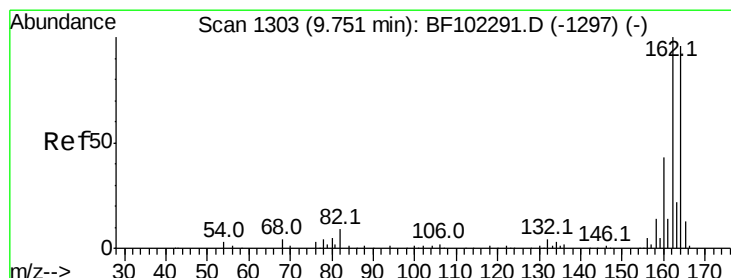
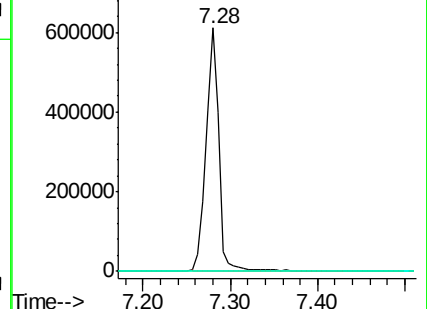
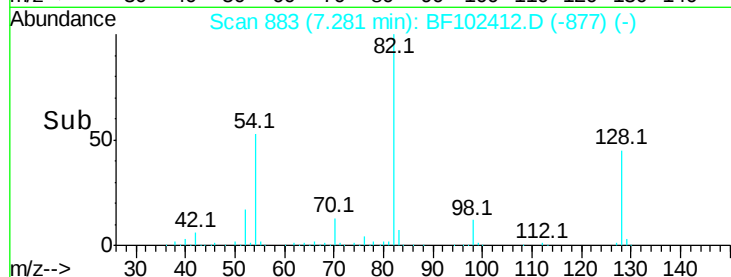
138 0.0 14.9 22.3#



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: BF102412.D

Acq: 25 Jan 2018 1:28

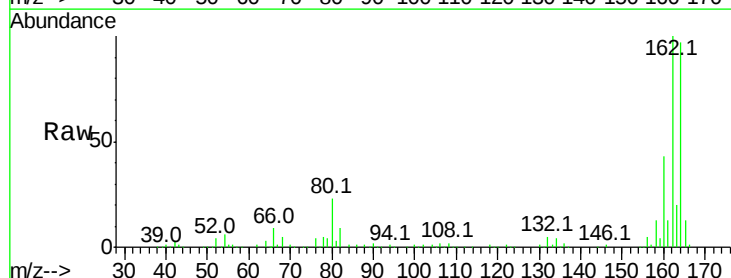
Tgt Ion: 164 Resp: 225480

Ion Ratio Lower Upper

164 100

162 102.8 86.1 129.1

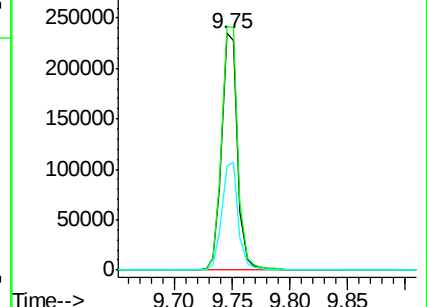
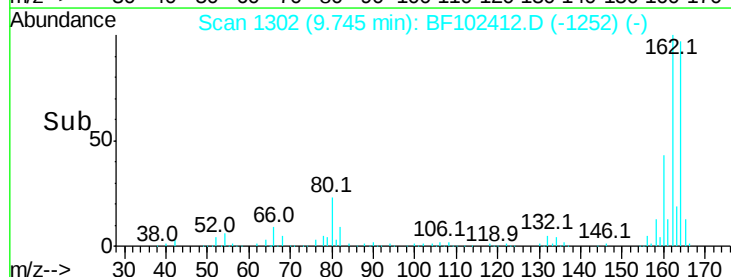
160 44.2 38.3 57.5

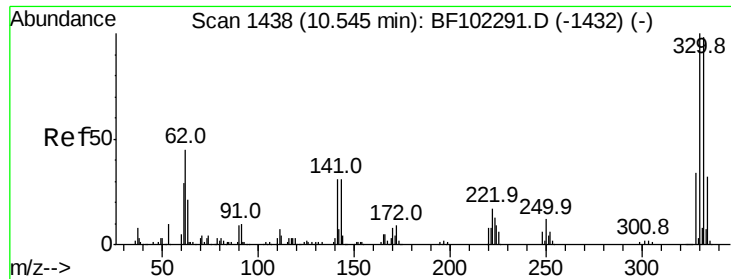


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

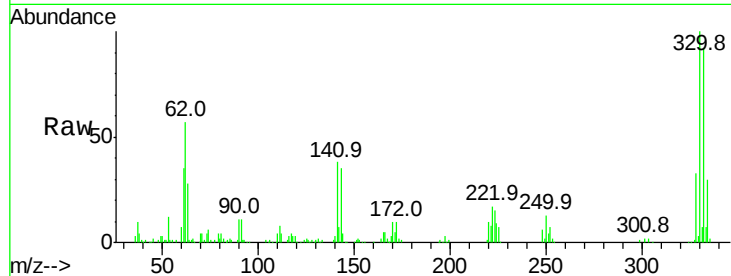




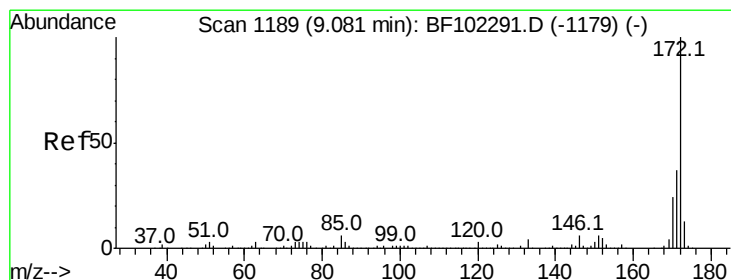
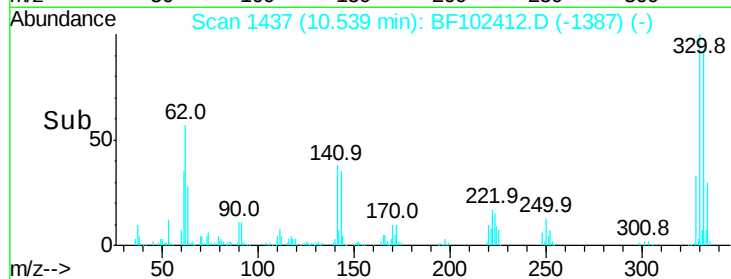
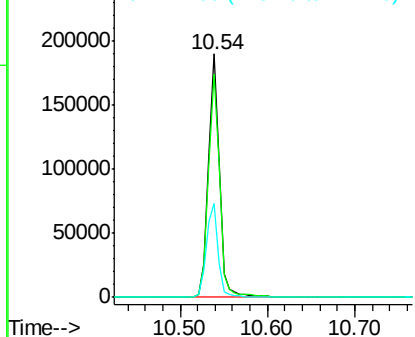
#41
 2,4,6-Tribromophenol
 Concen: 75.810 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102412.D
 Acq: 25 Jan 2018 1:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 169373
 Ion Ratio Lower Upper
 330 100
 332 94.3 77.0 115.6
 141 40.5 29.9 44.9

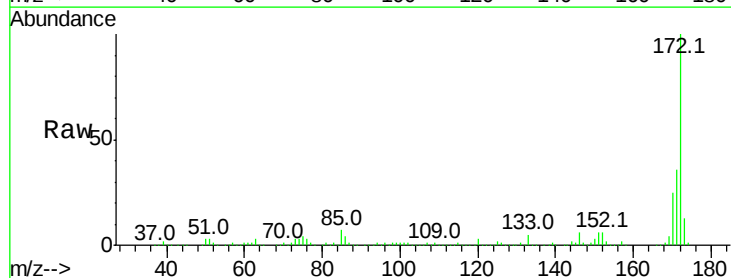


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

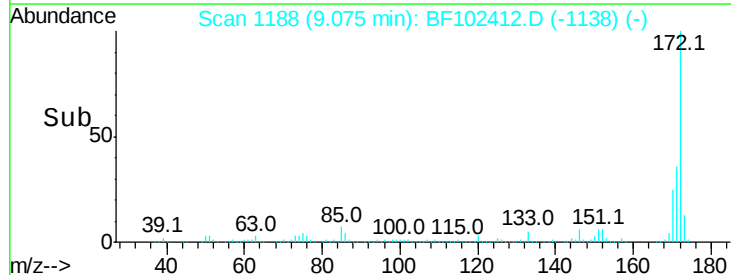
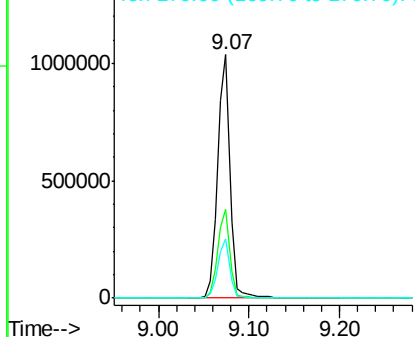


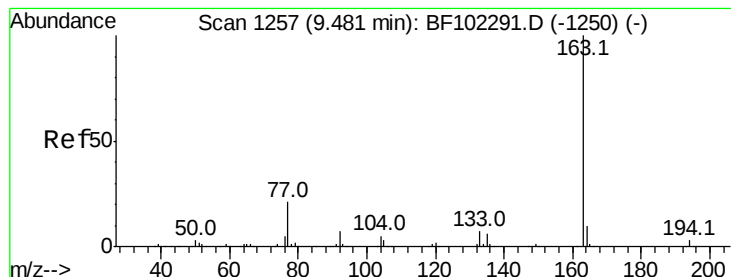
#44
 2-Fluorobiphenyl
 Concen: 63.582 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF102412.D
 Acq: 25 Jan 2018 1:28

Tgt Ion:172 Resp: 975031
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.7 44.5
 170 24.6 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: 9.925 ng

RT: 9.47 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BF102412.D

Acq: 25 Jan 2018 1:28

Instrument :

BNA_F

ClientSampled :

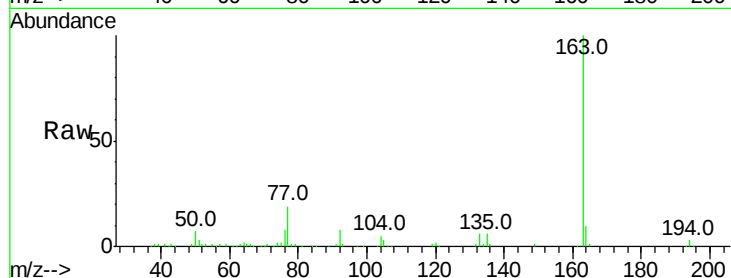
Tot Ion:163 Resp: 184968

Ion Ratio Lower Upper

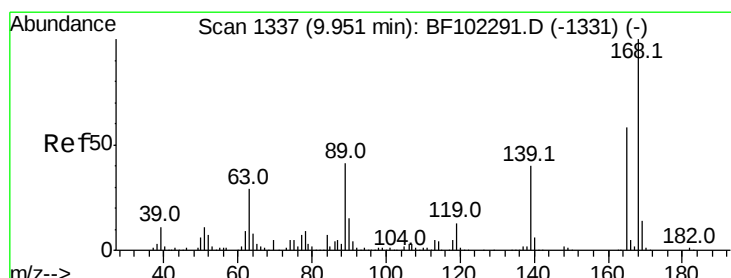
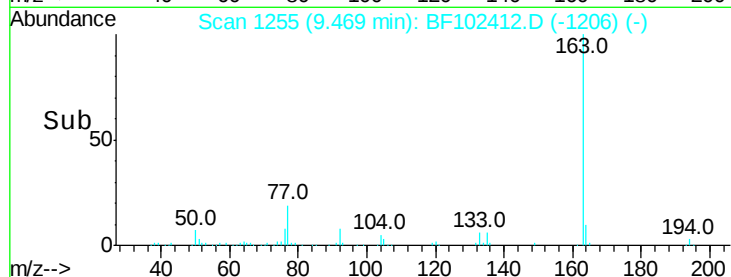
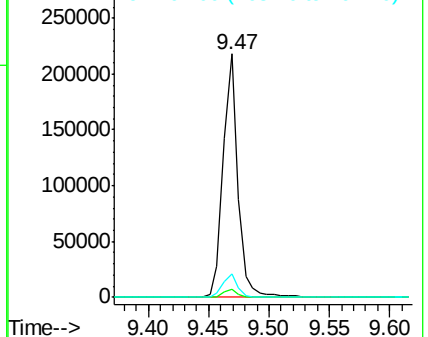
163 100

194 3.4 2.7 4.1

164 9.8 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 5.725 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.21 min

Lab File: BF102412.D

Acq: 25 Jan 2018 1:28

Tgt Ion:165 Resp: 28291

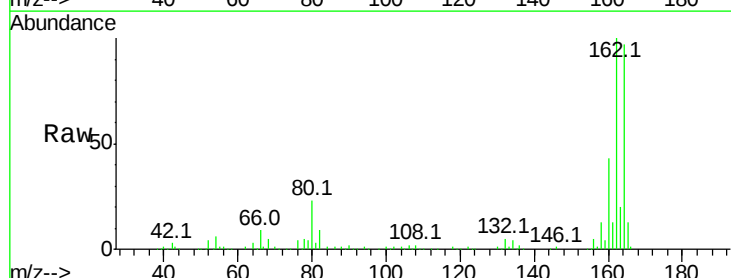
Ion Ratio Lower Upper

165 100

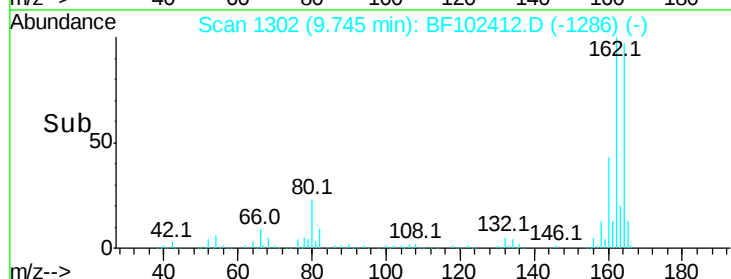
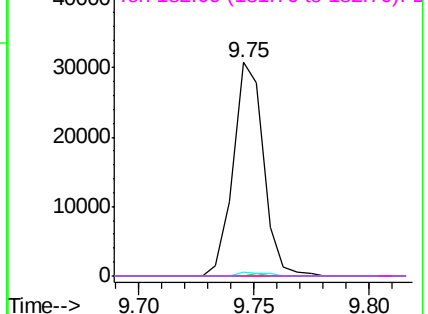
63 0.0 36.4 54.6#

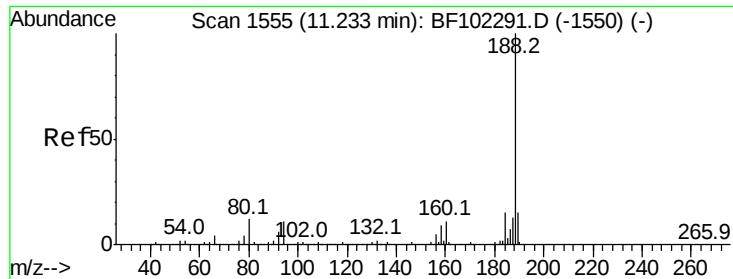
89 1.5 57.8 86.6#

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

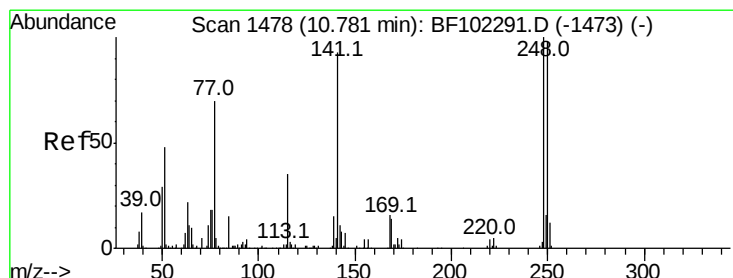
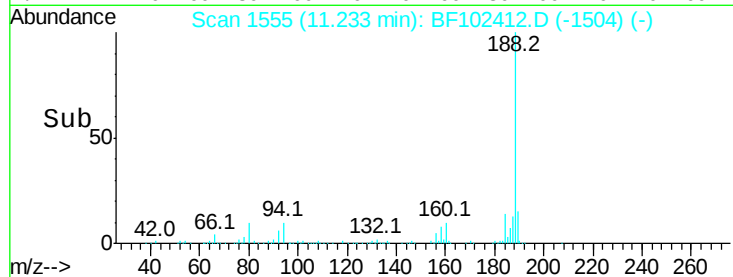
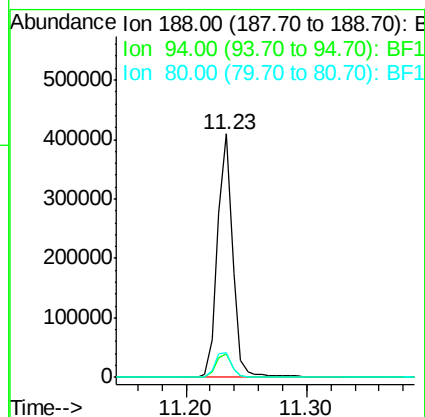
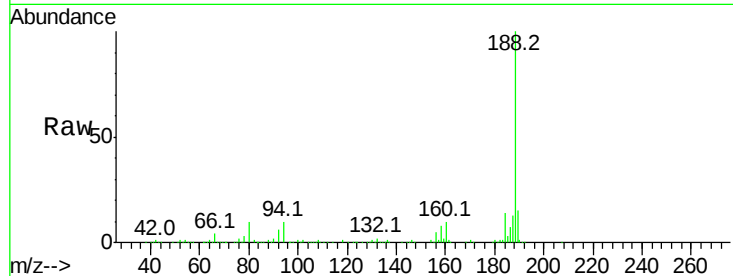




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.00 min
Lab File: BF102412.D
Acq: 25 Jan 2018 1:28

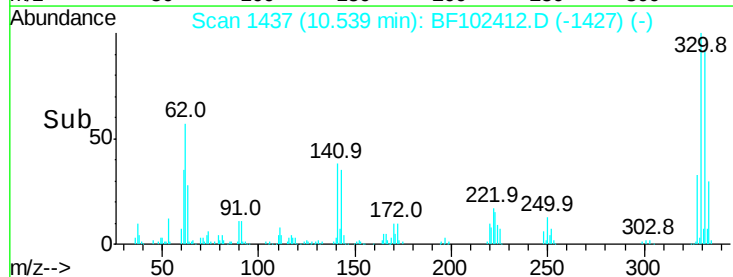
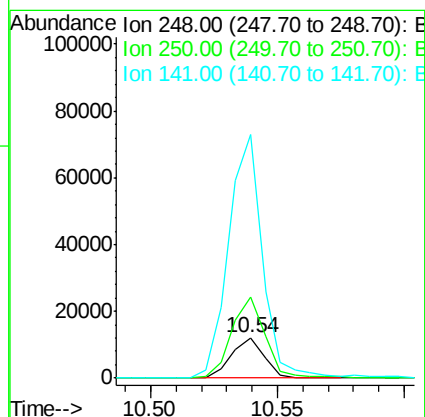
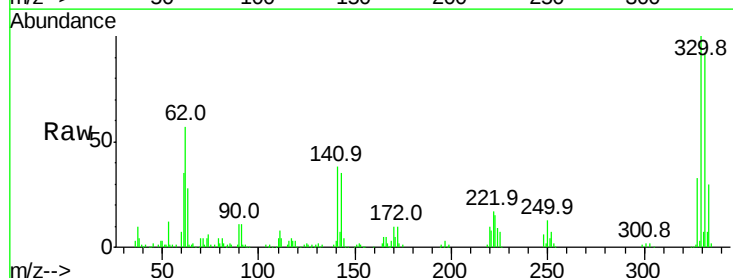
Instrument :
BNA_F
ClientSampleId :

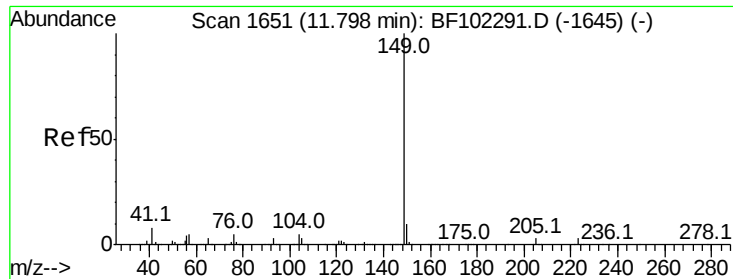
Tot Ion:188 Resp: 349449
Ion Ratio Lower Upper
188 100
94 9.9 8.5 12.7
80 10.0 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 2.915 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.24 min
Lab File: BF102412.D
Acq: 25 Jan 2018 1:28

Tgt Ion:248 Resp: 10967
Ion Ratio Lower Upper
248 100
250 200.5 76.9 115.3#
141 603.1 74.4 111.6#





#73

Di-n-butylphthalate

Concen: 2.415 ng

RT: 11.79 min Scan# 1650

Delta R.T. -0.01 min

Lab File: BF102412.D

Acq: 25 Jan 2018 1:28

Instrument :

BNA_F

ClientSampleId :

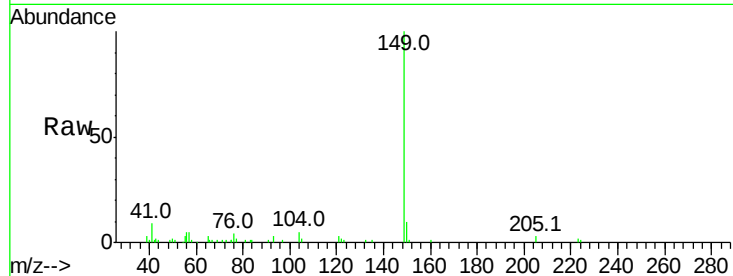
Tot Ion:149 Resp: 61211

Ion Ratio Lower Upper

149 100

150 9.6 7.8 11.6

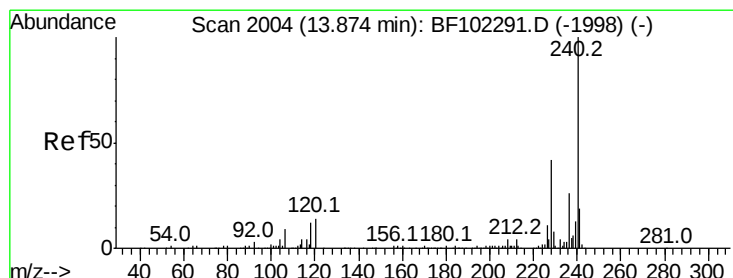
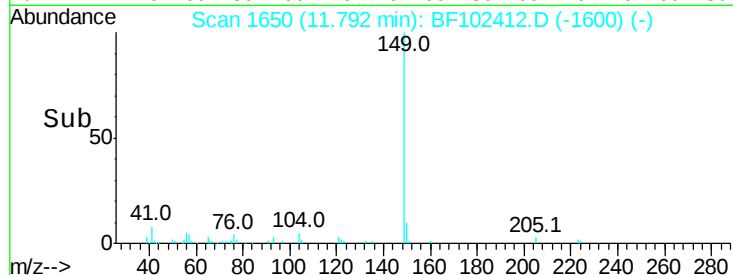
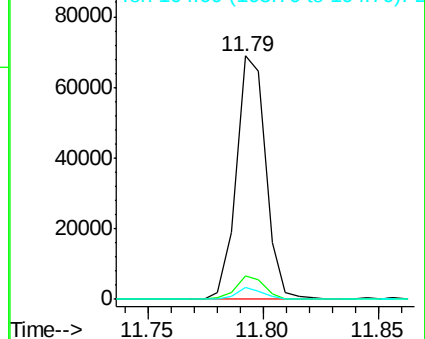
104 4.7 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF102412.D

Acq: 25 Jan 2018 1:28

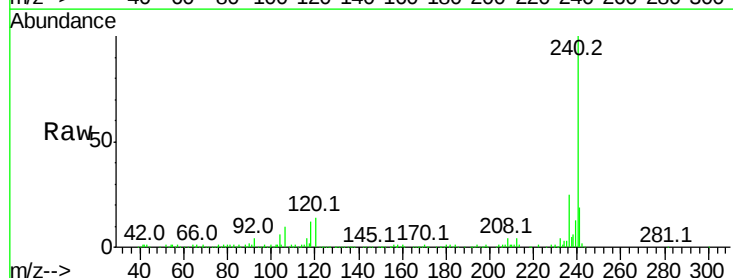
Tgt Ion:240 Resp: 238002

Ion Ratio Lower Upper

240 100

120 13.9 9.5 14.3

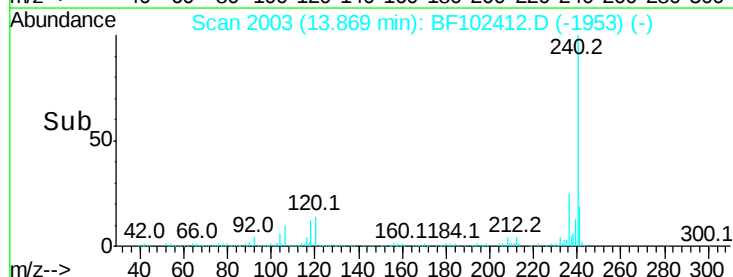
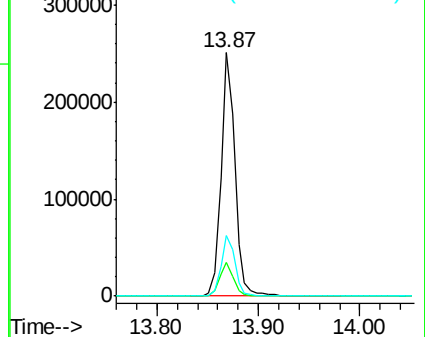
236 25.1 20.7 31.1

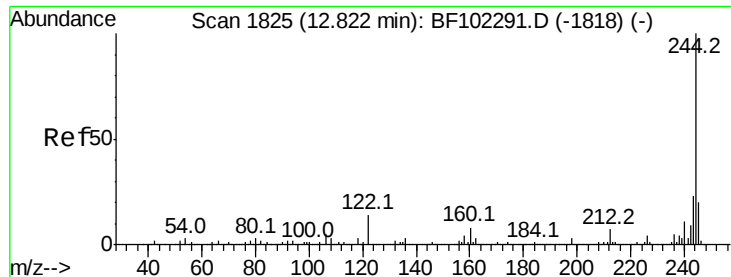


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

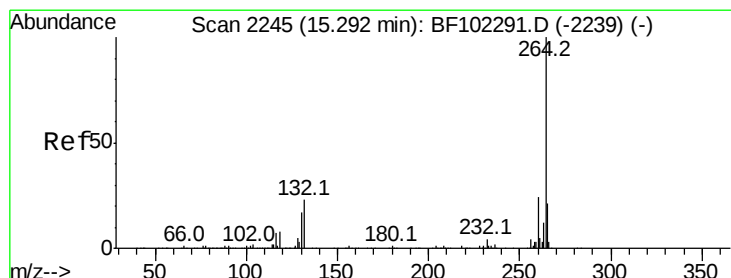
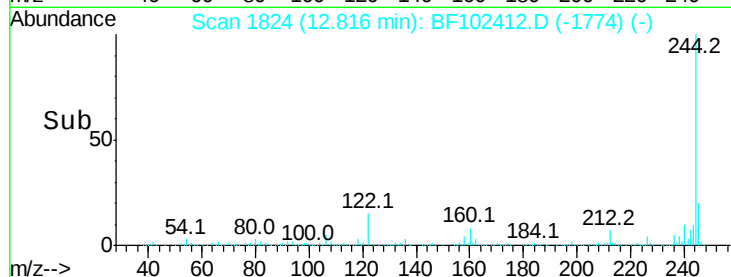
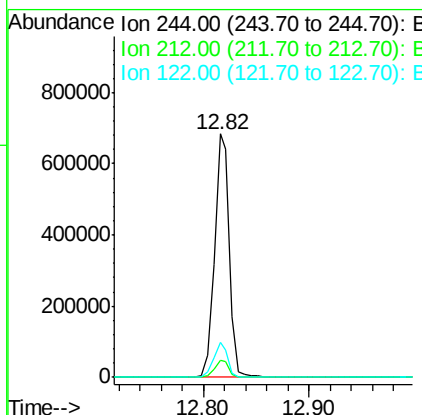
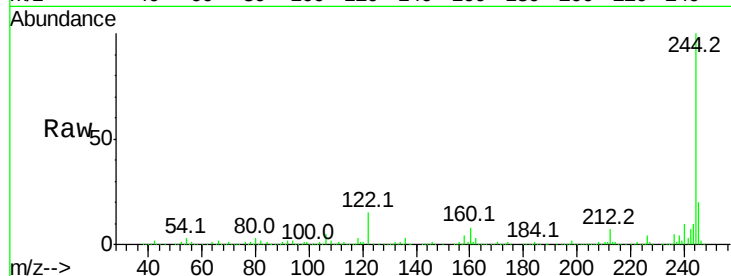




#78
 Terphenyl-d14
 Concen: 64.466 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF102412.D
 Acq: 25 Jan 2018 1:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 680598
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 14.5 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2246
 Delta R.T. 0.01 min
 Lab File: BF102412.D
 Acq: 25 Jan 2018 1:28

Tgt Ion:264 Resp: 233958
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.2 28.8
 265 21.6 17.5 26.3

