

Data Path : U:\HPCHEM1\BNA F\DATA\BF011618\
 Data File : BF102128.D
 Acq On : 16 Jan 2018 23:43
 Operator : SJ/JU
 Sample : J1122-09
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 17 02:29:32 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 11 12:53:54 2018
 Response via : Initial Calibration

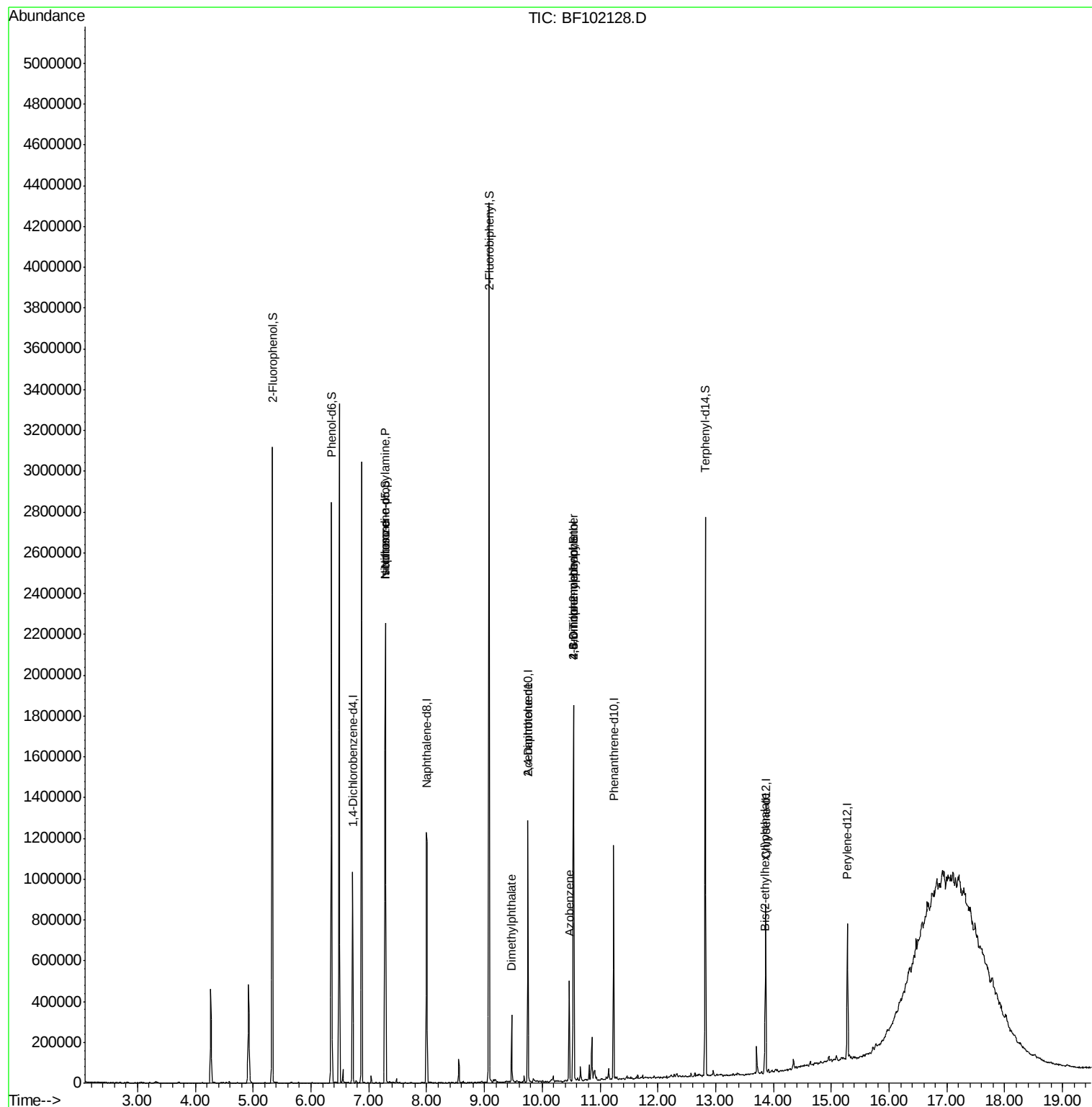
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	143535	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	574331	20.00	ng	-0.01
38) Acenaphthene-d10	9.75	164	245566	20.00	ng	-0.01
63) Phenanthrene-d10	11.23	188	361027	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	261456	20.00	ng	-0.02
86) Perylene-d12	15.28	264	266675	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	889547	87.51	ng	0.00
7) Phenol-d6	6.36	99	1137440	93.79	ng	0.00
23) Nitrobenzene-d5	7.29	82	730959	74.79	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	196878	91.87	ng	-0.01
44) 2-Fluorobiphenyl	9.08	172	1304138	82.97	ng	-0.01
78) Terphenyl-d14	12.82	244	886655	70.41	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	98491	12.392	ng	# 79
25) Isophorone	7.29	82	730949	37.850	ng	# 64
49) Dimethylphthalate	9.47	163	132545	6.728	ng	# 98
56) 2,4-Dinitrotoluene	9.75	165	30980	6.281	ng	# 23
62) Azobenzene	10.47	77	81680	4.190	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.54	198	501	5.888	ng	# 1
66) 4-Bromophenyl-phenylether	10.54	248	13020	3.415	ng	# 1
83) Bis(2-ethylhexyl)phthalate	13.85	149	38470	3.162	ng	# 96

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

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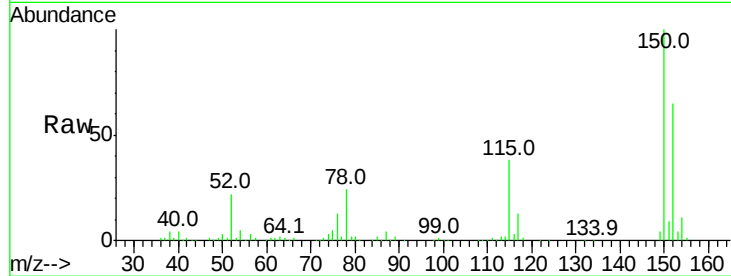


#1

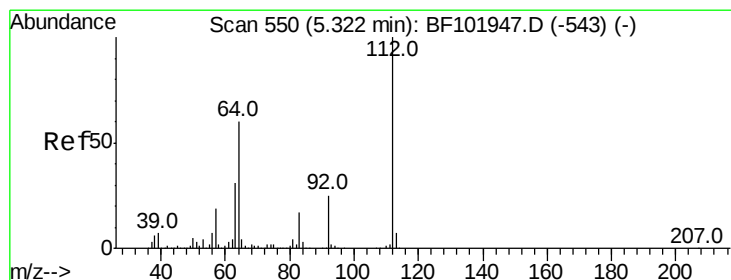
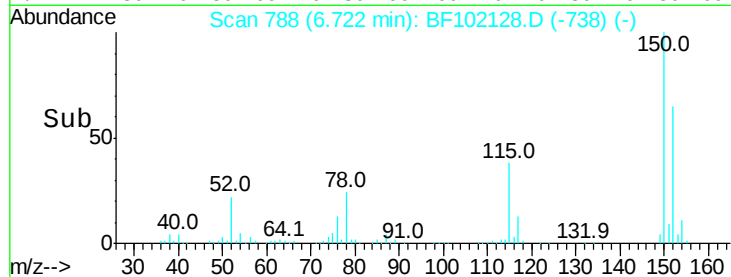
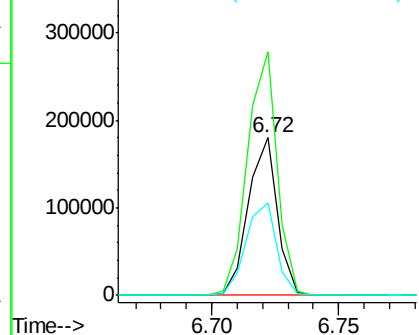
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF102128.D
Acq: 16 Jan 2018 23:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	124.6	186.8
115	58.8	50.1	75.1



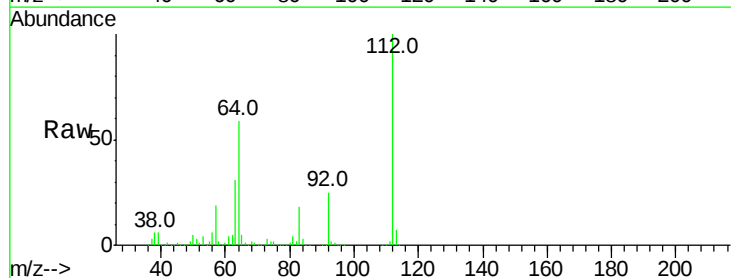
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



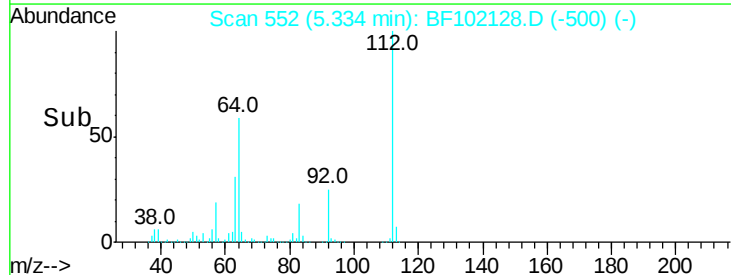
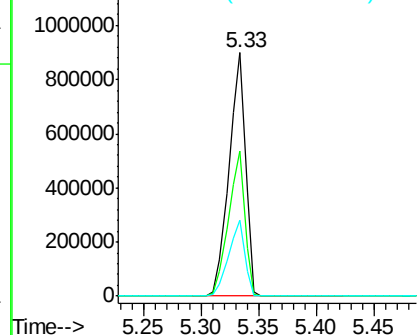
#5

2-Fluorophenol
Concen: 87.513 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102128.D
Acq: 16 Jan 2018 23:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.3	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: 93.789 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF102128.D

Acq: 16 Jan 2018 23:43

Instrument :

BNA_F

ClientSampled :

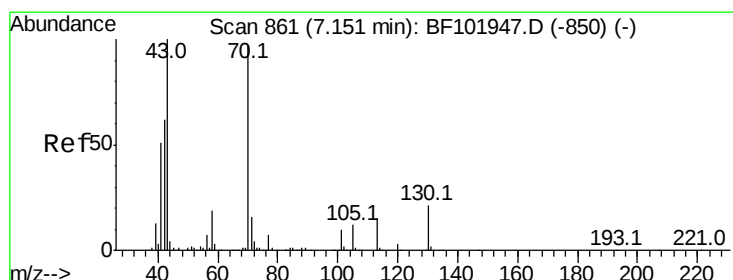
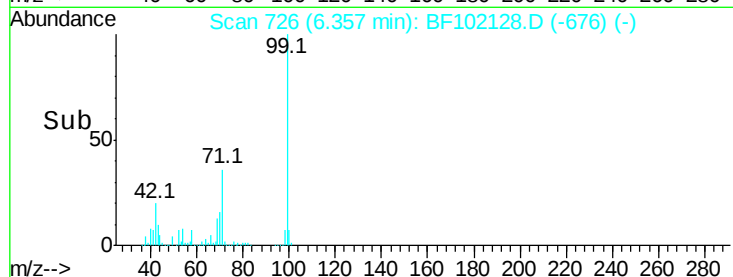
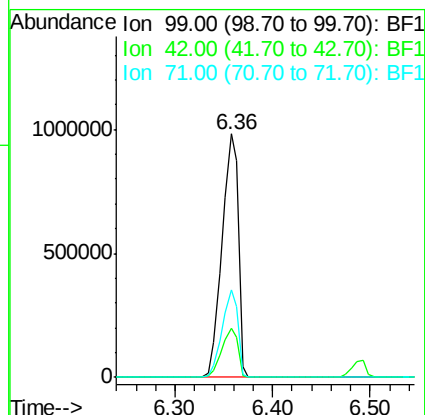
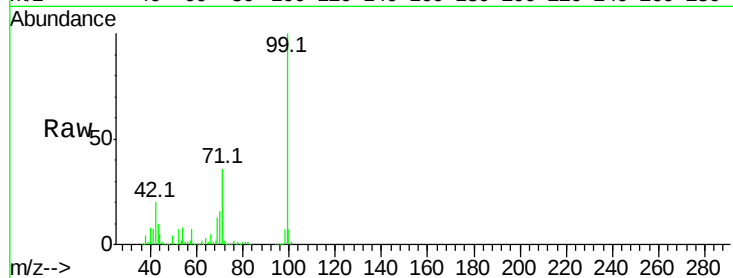
Tot Ion: 99 Resp: 1137440

Ion Ratio Lower Upper

99 100

42 20.4 14.5 21.7

71 35.8 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.392 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.14 min

Lab File: BF102128.D

Acq: 16 Jan 2018 23:43

Tgt Ion: 70 Resp: 98491

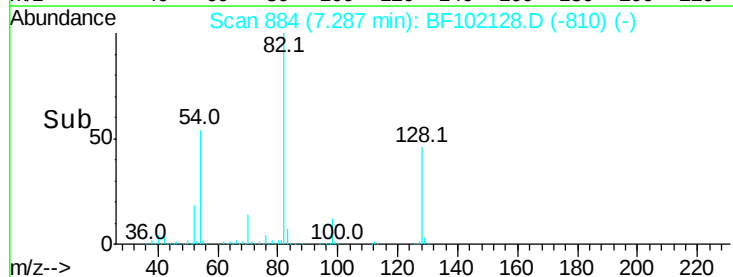
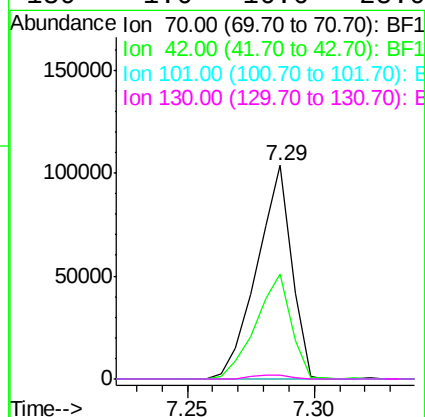
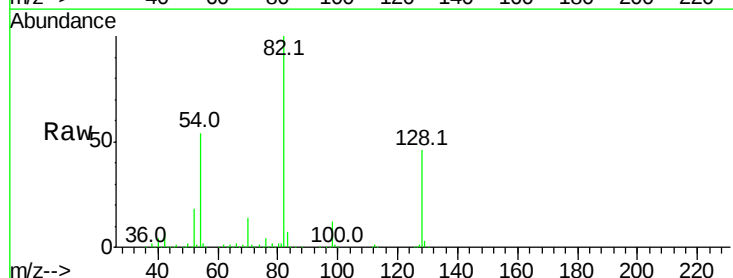
Ion Ratio Lower Upper

70 100

42 49.3 47.5 71.3

101 0.0 7.4 11.2#

130 1.6 16.6 25.0#

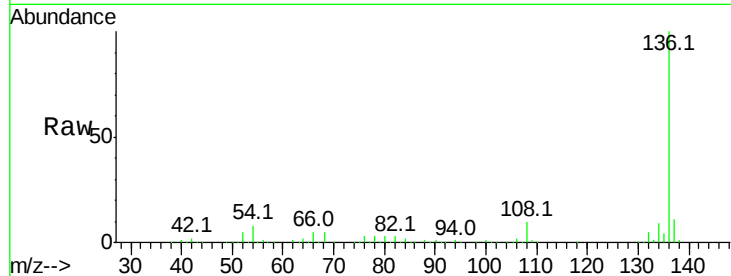




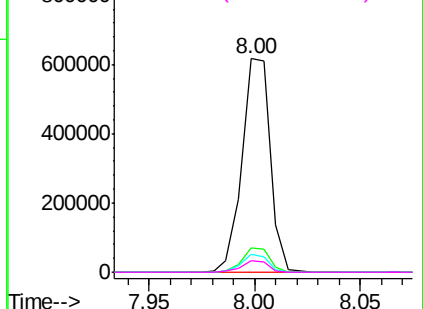
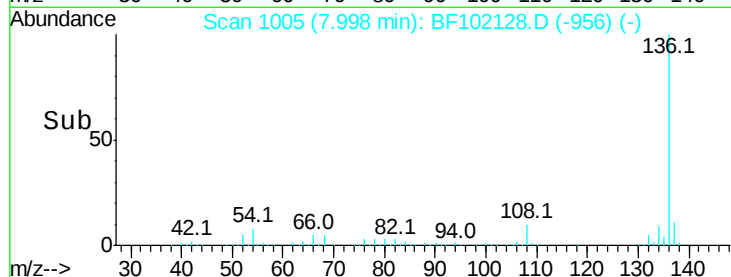
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF102128.D
Acq: 16 Jan 2018 23:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	574331
Ion	Ratio	Lower Upper
136	100	
137	11.2	8.9 13.3
54	8.4	6.6 9.8
68	5.3	5.0 7.4

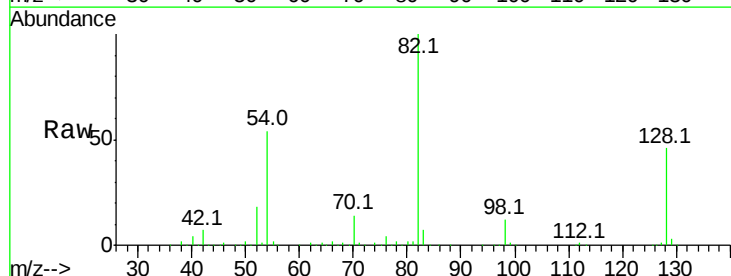


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

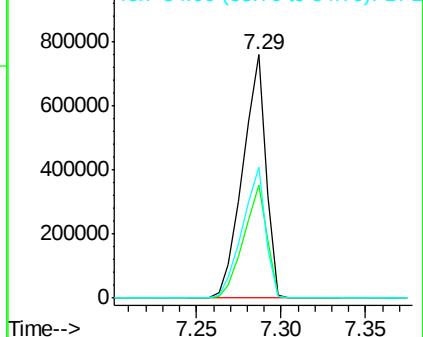
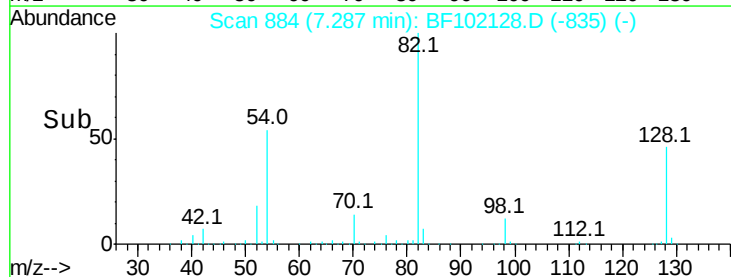


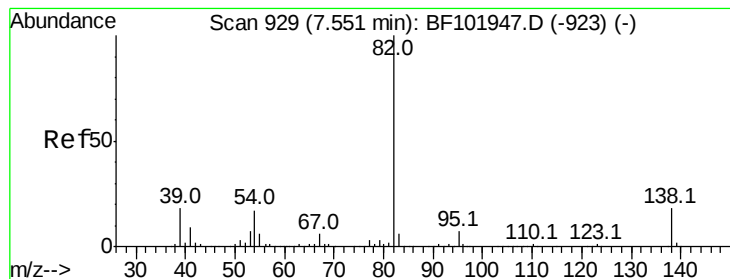
#23
Nitrobenzene-d5
Concen: 74.790 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF102128.D
Acq: 16 Jan 2018 23:43

Tgt Ion: 82	Resp:	730959
Ion	Ratio	Lower Upper
82	100	
128	46.2	36.1 54.1
54	53.9	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: 37.850 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102128.D

Acq: 16 Jan 2018 23:43

Instrument :

BNA_F

ClientSampleId :

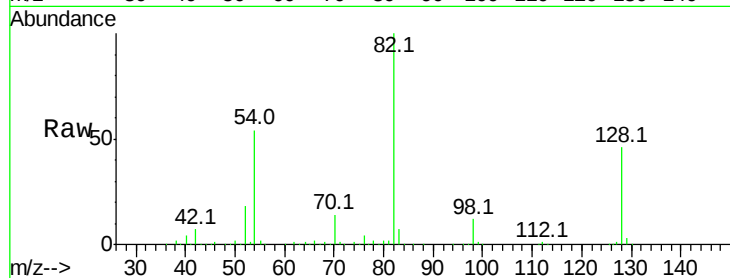
Tot Ion: 82 Resp: 730949

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

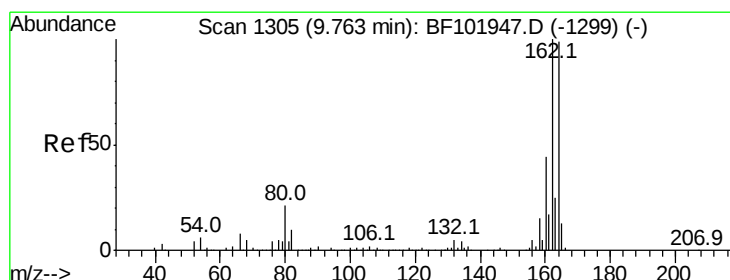
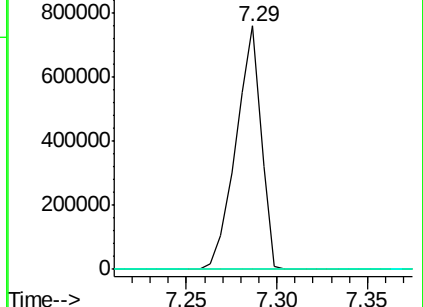
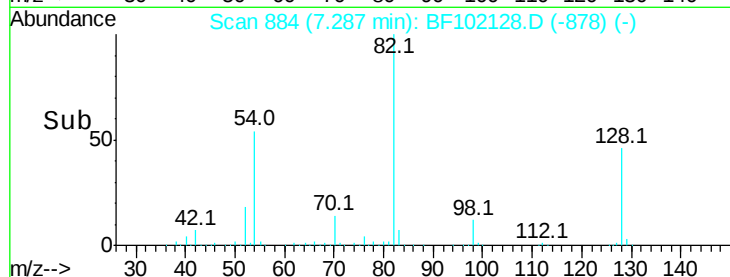
138 0.0 14.9 22.3#



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# 1303

Delta R.T. -0.01 min

Lab File: BF102128.D

Acq: 16 Jan 2018 23:43

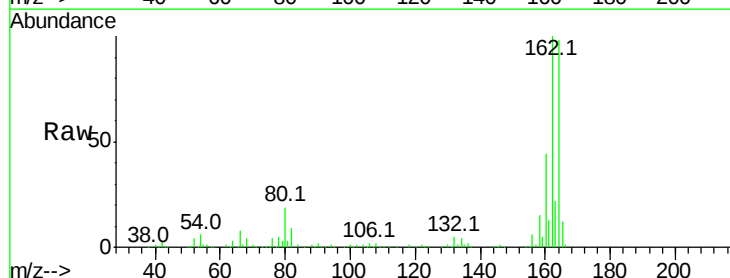
Tgt Ion:164 Resp: 245566

Ion Ratio Lower Upper

164 100

162 102.0 86.1 129.1

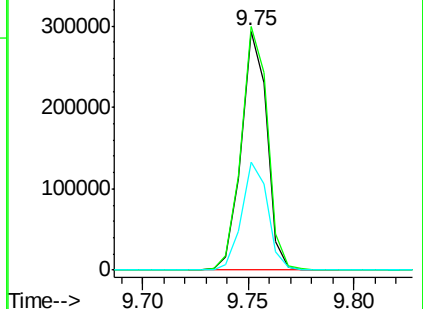
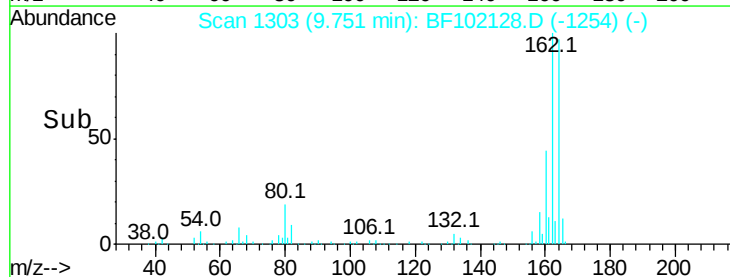
160 45.2 38.3 57.5



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

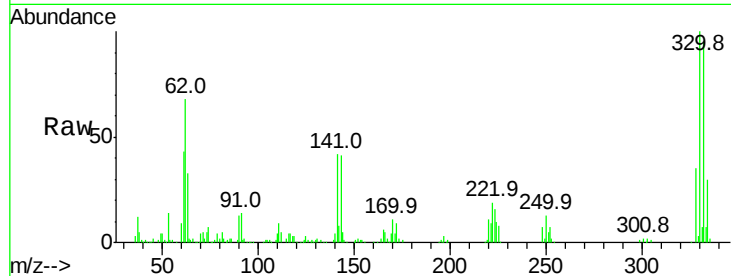




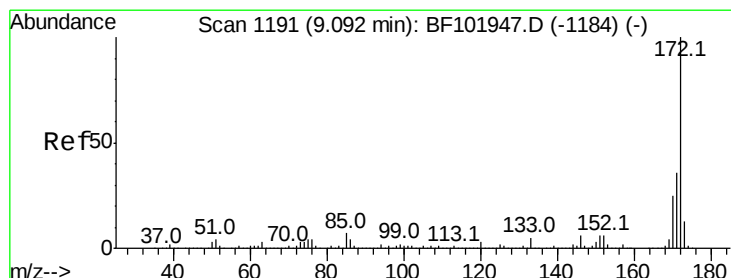
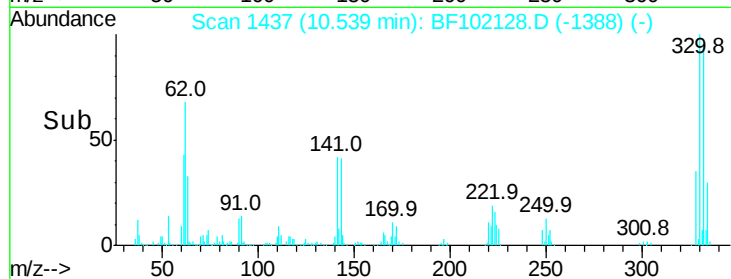
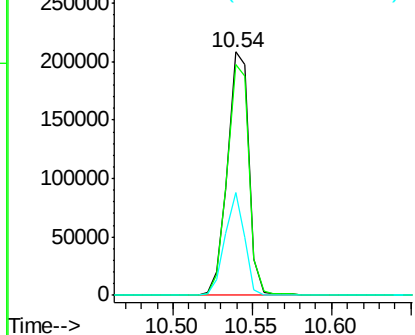
#41
 2,4,6-Tribromophenol
 Concen: 91.869 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102128.D
 Acq: 16 Jan 2018 23:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	38.6	29.9	44.9

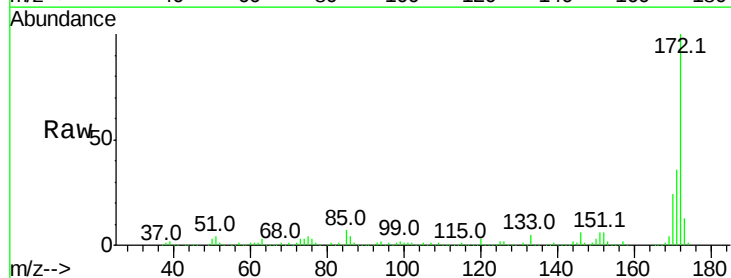


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

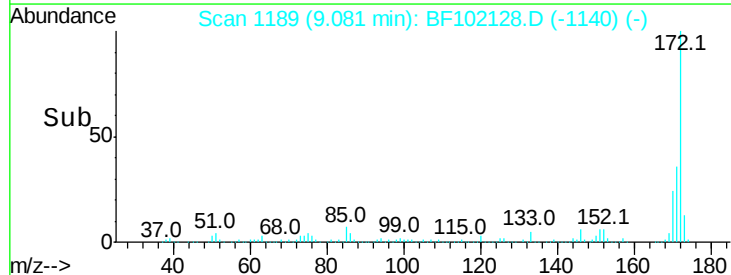
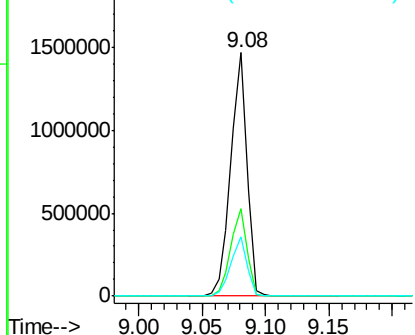


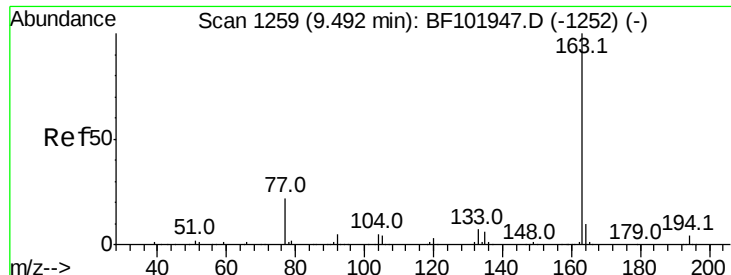
#44
 2-Fluorobiphenyl
 Concen: 82.968 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF102128.D
 Acq: 16 Jan 2018 23:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.2	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

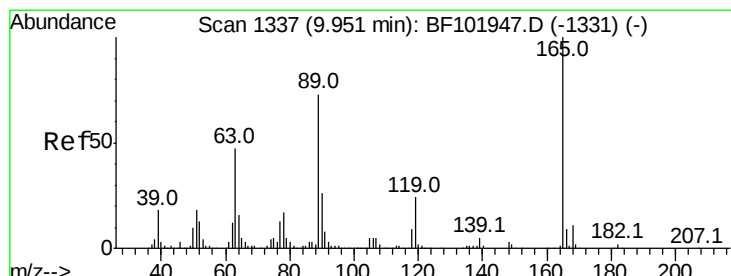
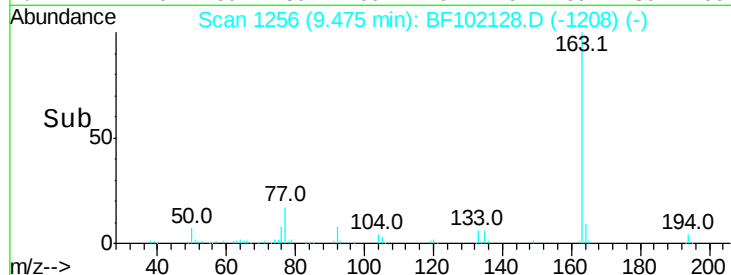
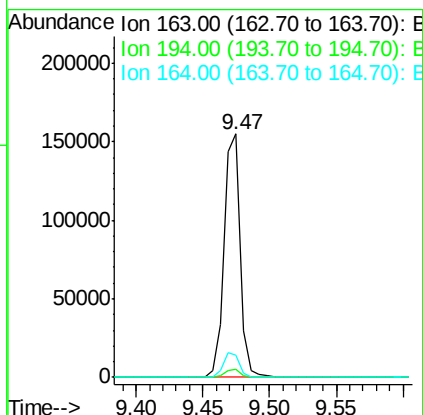
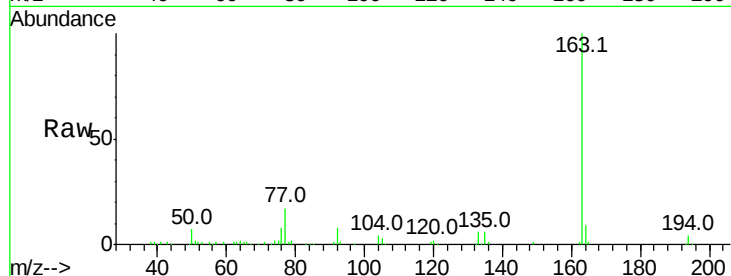




#49
Dimethylphthalate
Concen: 6.728 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.02 min
Lab File: BF102128.D
Acq: 16 Jan 2018 23:43

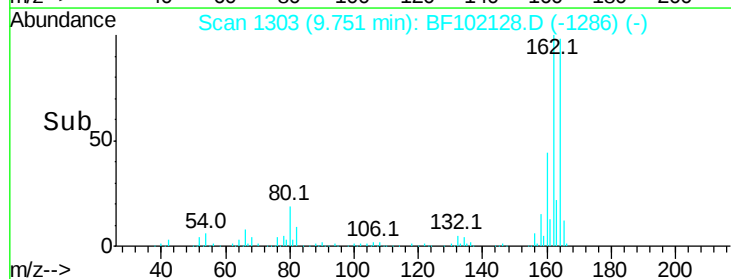
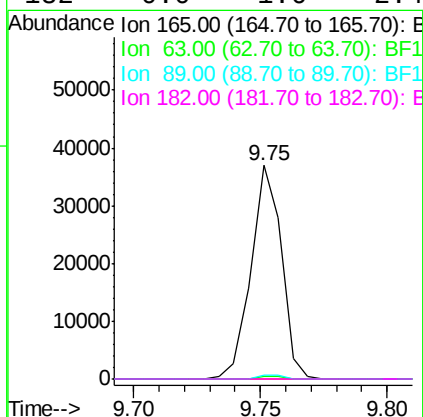
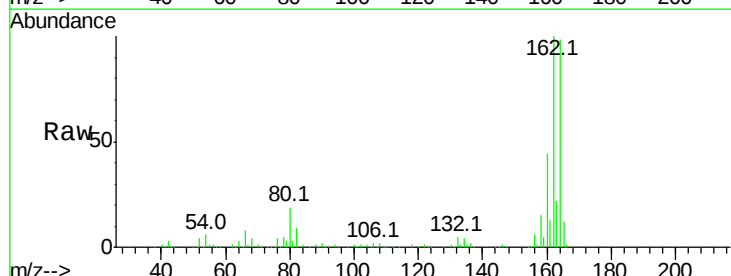
Instrument :
BNA_F
ClientSampleId :

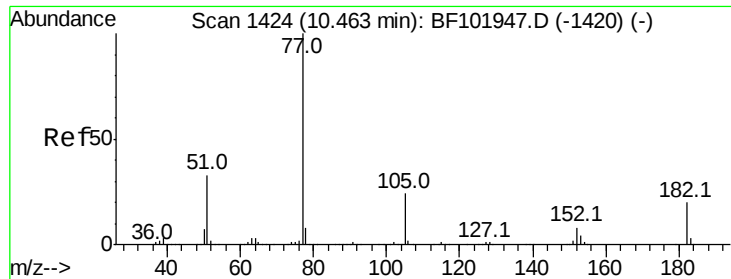
Tot Ion:163 Resp: 132545
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 9.3 8.2 12.2



#56
2,4-Dinitrotoluene
Concen: 6.281 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.20 min
Lab File: BF102128.D
Acq: 16 Jan 2018 23:43

Tgt Ion:165 Resp: 30980
Ion Ratio Lower Upper
165 100
63 1.1 36.4 54.6#
89 1.7 57.8 86.6#
182 0.0 1.6 2.4#





#62

Azobenzene

Concen: 4.190 ng

RT: 10.47 min Scan# 1425

Delta R.T. 0.01 min

Lab File: BF102128.D

Acq: 16 Jan 2018 23:43

Instrument :

BNA_F

ClientSampled :

Tot Ion: 77 Resp: 81680

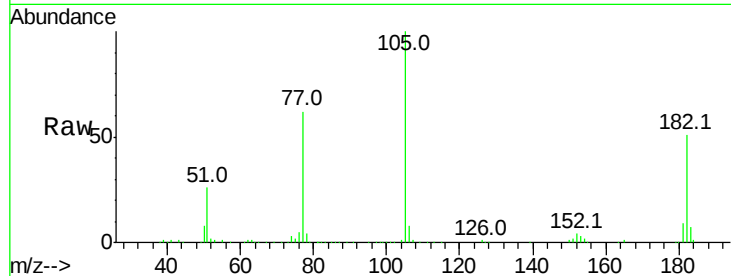
Ion Ratio Lower Upper

77 100

182 81.5 1.7 41.7#

105 161.2 3.0 43.0#

51 42.0 9.9 49.9



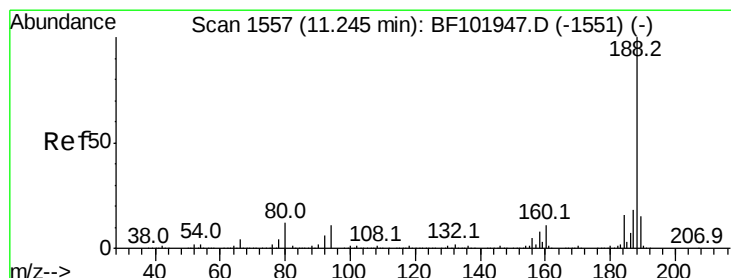
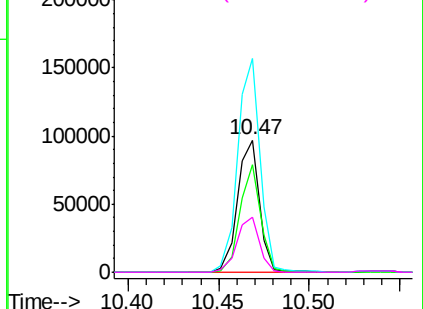
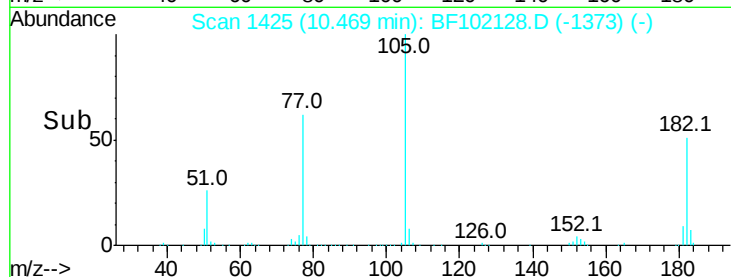
Abundance

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. -0.01 min

Lab File: BF102128.D

Acq: 16 Jan 2018 23:43

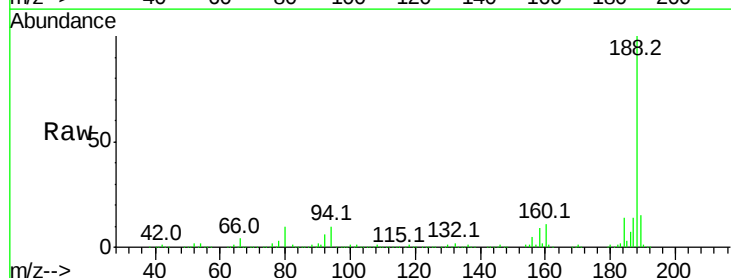
Tgt Ion: 188 Resp: 361027

Ion Ratio Lower Upper

188 100

94 9.7 8.5 12.7

80 10.3 9.2 13.8

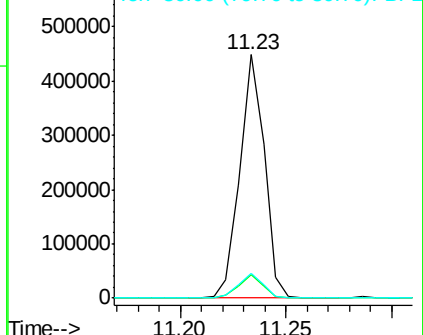
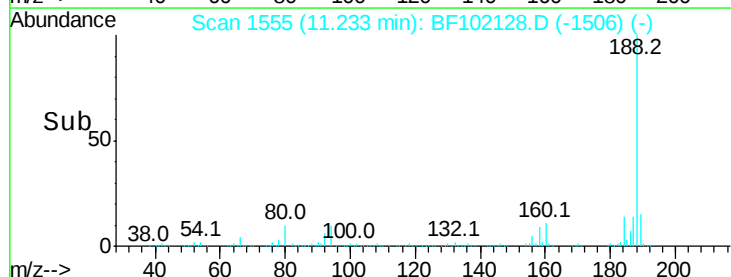


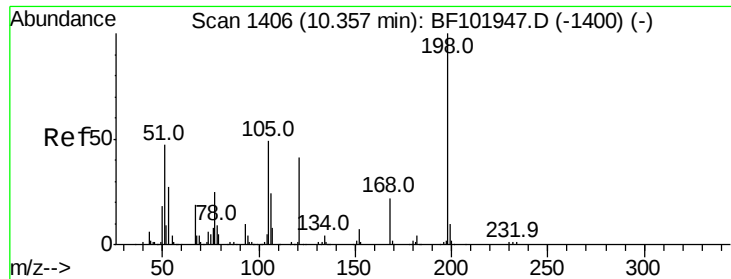
Abundance

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





#64

4,6-Dinitro-2-methylphenol

Concen: 5.888 ng

RT: 10.54 min Scan# 1437

Delta R.T. 0.18 min

Lab File: BF102128.D

Acq: 16 Jan 2018 23:43

Instrument :

BNA_F

ClientSampleId :

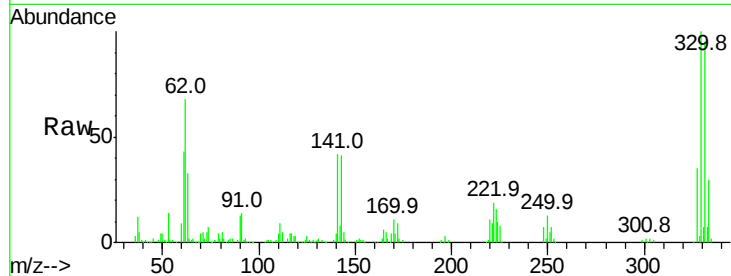
Tot Ion:198 Resp: 501

Ion Ratio Lower Upper

198 100

51 213.8 37.7 77.7#

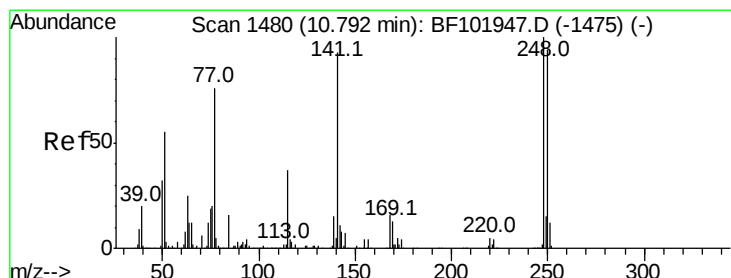
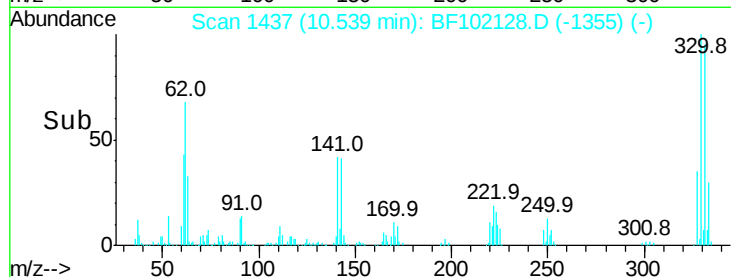
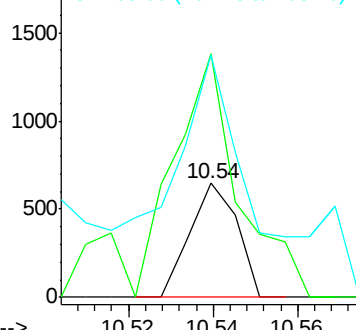
105 212.7 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.415 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.25 min

Lab File: BF102128.D

Acq: 16 Jan 2018 23:43

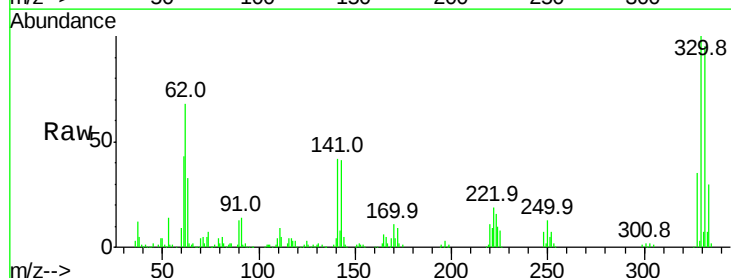
Tgt Ion:248 Resp: 13020

Ion Ratio Lower Upper

248 100

250 198.8 76.9 115.3#

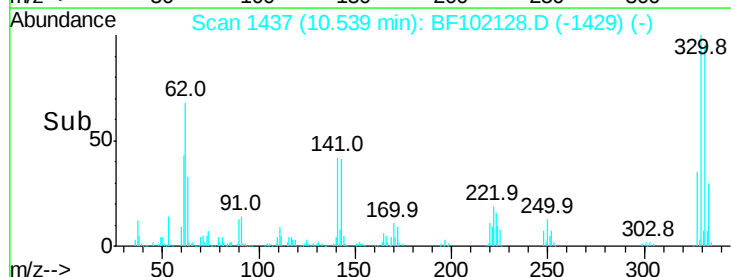
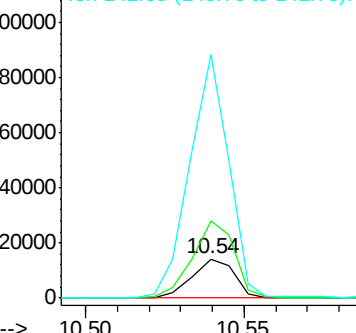
141 625.7 74.4 111.6#

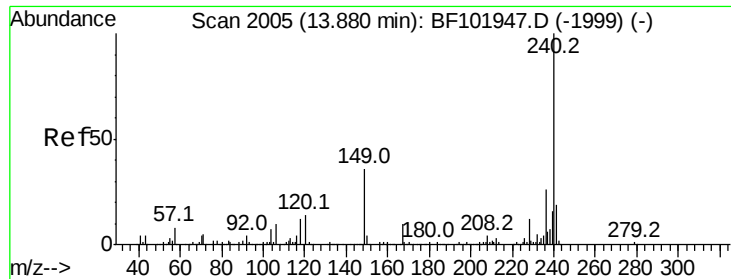


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.86 min Scan# 2002

Delta R.T. -0.02 min

Lab File: BF102128.D

Acq: 16 Jan 2018 23:43

Instrument :

BNA_F

ClientSampleId :

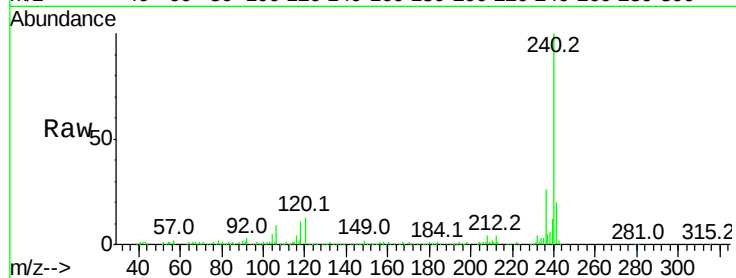
Tot Ion:240 Resp: 261456

Ion Ratio Lower Upper

240 100

120 13.3 9.5 14.3

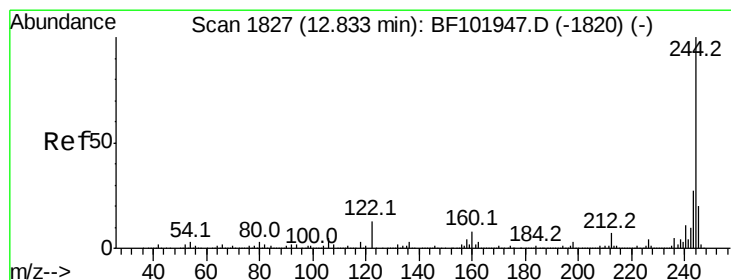
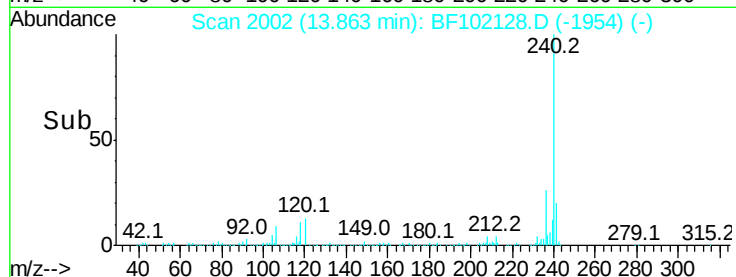
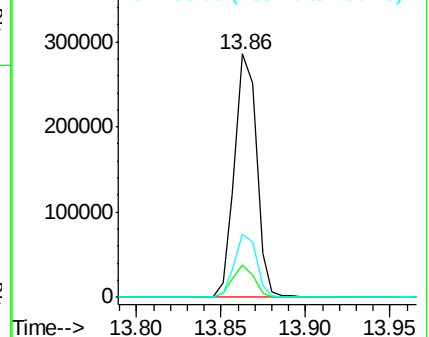
236 26.0 20.7 31.1



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: 70.411 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF102128.D

Acq: 16 Jan 2018 23:43

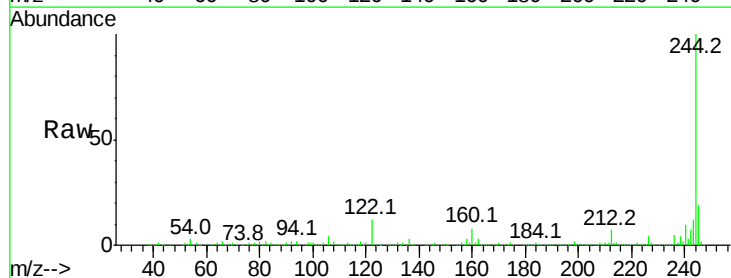
Tgt Ion:244 Resp: 886655

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

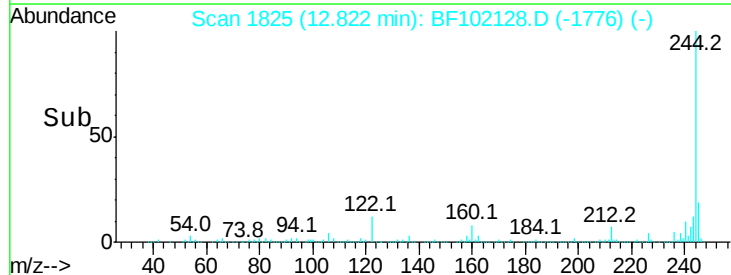
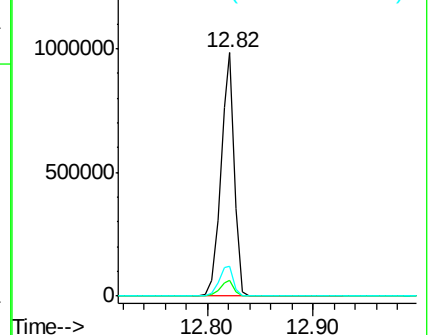
122 12.0 11.0 16.4

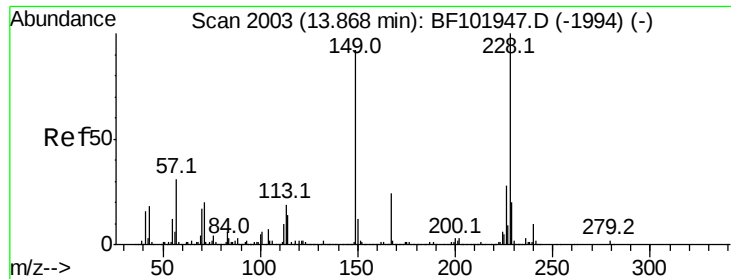


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

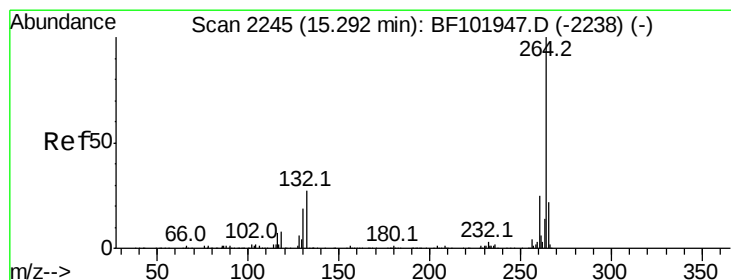
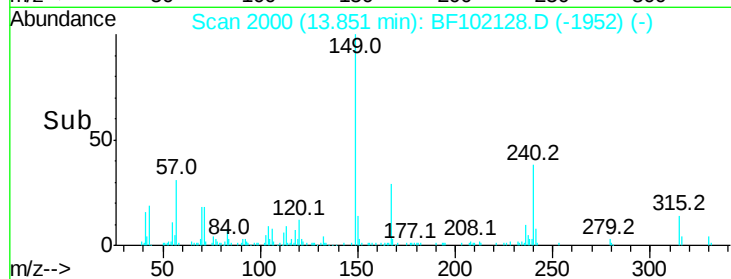
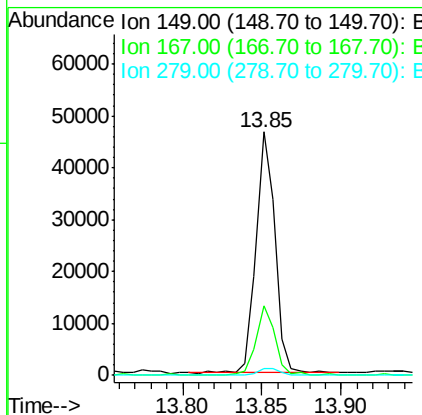
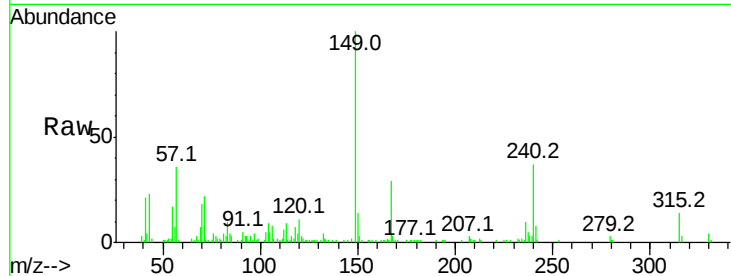




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.162 ng
 RT: 13.85 min Scan# 2000
 Delta R.T. -0.02 min
 Lab File: BF102128.D
 Acq: 16 Jan 2018 23:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:149 Resp: 38470
 Ion Ratio Lower Upper
 149 100
 167 28.8 21.3 31.9
 279 2.7 3.0 4.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.28 min Scan# 2243
 Delta R.T. -0.01 min
 Lab File: BF102128.D
 Acq: 16 Jan 2018 23:43

Tgt Ion:264 Resp: 266675
 Ion Ratio Lower Upper
 264 100
 260 25.4 19.2 28.8
 265 21.7 17.5 26.3

