

Data Path : U:\HPCHEM1\BNA F\DATA\BF011618\
 Data File : BF102134.D
 Acq On : 17 Jan 2018 2:23
 Operator : SJ/JU
 Sample : J1122-10
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 17 04:13:40 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

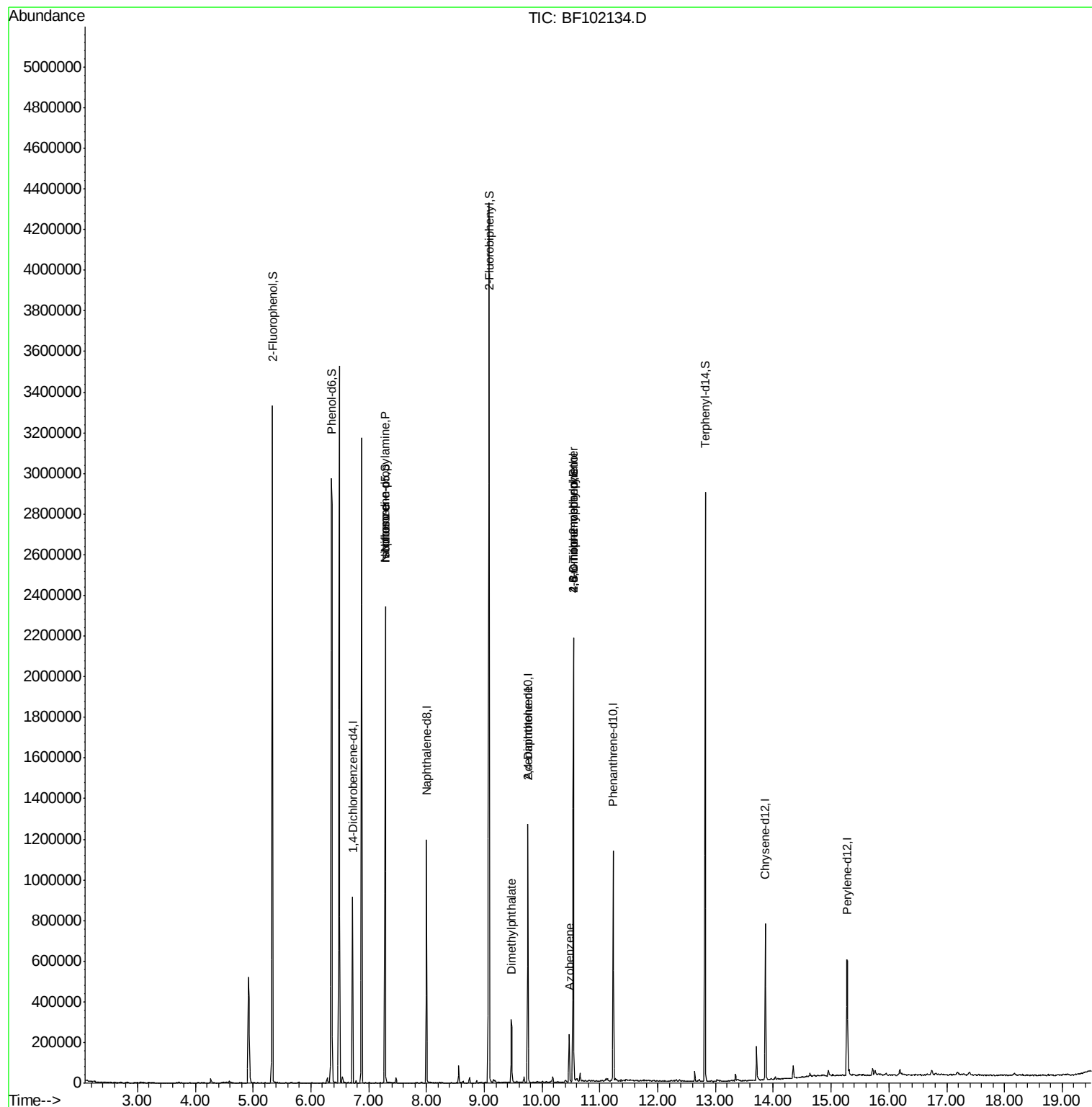
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	138020	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	553744	20.00	ng	-0.01
38) Acenaphthene-d10	9.75	164	233708	20.00	ng	-0.01
63) Phenanthrene-d10	11.23	188	349270	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	242229	20.00	ng	-0.02
86) Perylene-d12	15.28	264	259177	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	981082	100.37	ng	0.00
7) Phenol-d6	6.36	99	1207599	103.55	ng	0.00
23) Nitrobenzene-d5	7.29	82	761339	80.79	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	235644	115.54	ng	-0.01
44) 2-Fluorobiphenyl	9.08	172	1359560	90.88	ng	-0.01
78) Terphenyl-d14	12.82	244	934648	80.11	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	102596	13.425	ng	# 80
25) Isophorone	7.29	82	761325	40.889	ng	# 64
49) Dimethylphthalate	9.47	163	122464	6.532	ng	100
56) 2,4-Dinitrotoluene	9.75	165	29975	6.386	ng	# 23
62) Azobenzene	10.47	77	39521	2.130	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.54	198	594	5.938	ng	# 1
66) 4-Bromophenyl-phenylether	10.54	248	15776	4.277	ng	# 1

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

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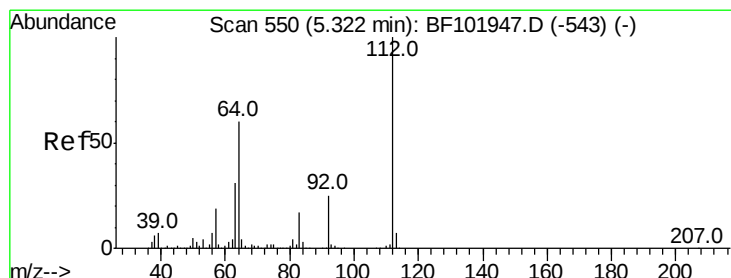
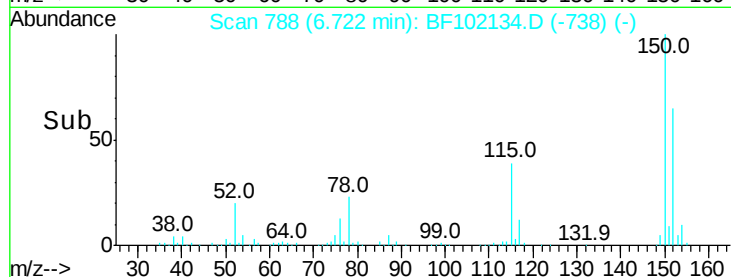
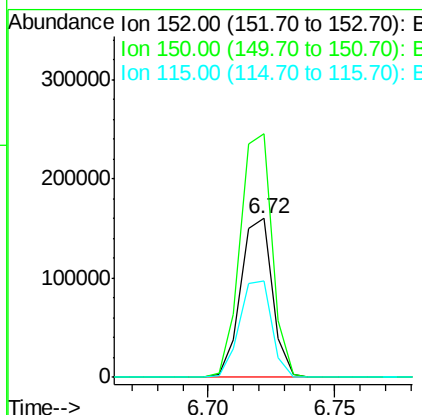
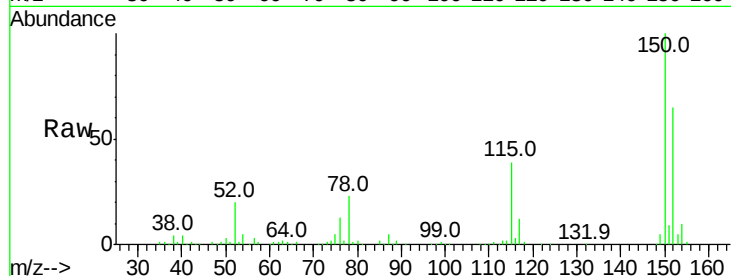


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF102134.D
Acq: 17 Jan 2018 2:23

Instrument :
BNA_F
ClientSampleId :

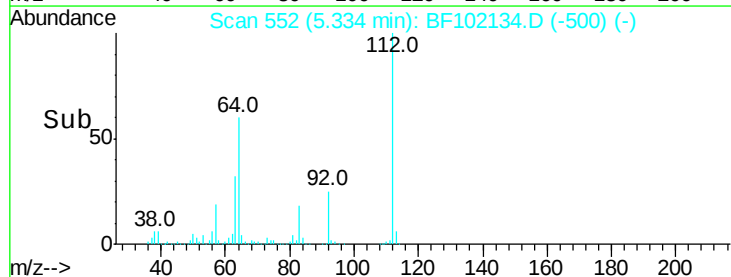
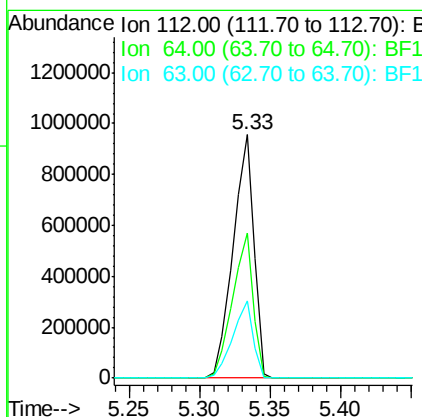
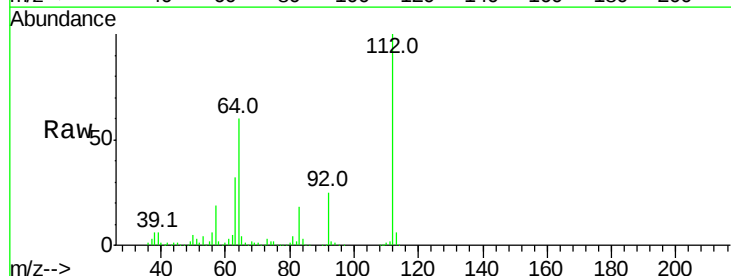
Tot Ion:152 Resp: 138020
Ion Ratio Lower Upper
152 100
150 153.4 124.6 186.8
115 60.5 50.1 75.1

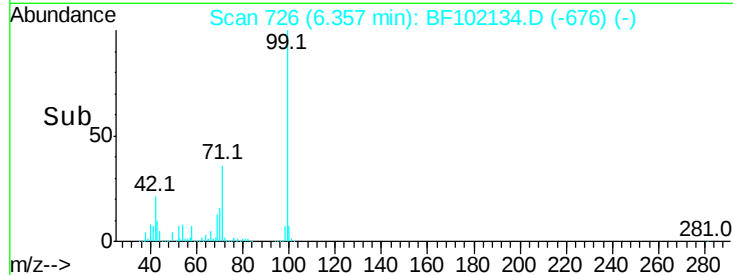
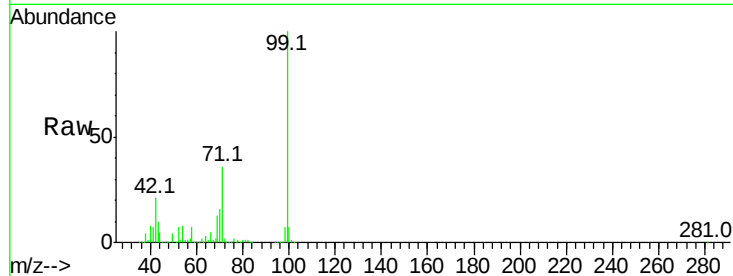


#5

2-Fluorophenol
Concen: 100.374 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102134.D
Acq: 17 Jan 2018 2:23

Tgt Ion:112 Resp: 981082
Ion Ratio Lower Upper
112 100
64 59.6 47.9 71.9
63 31.7 23.7 35.5





#7

Phenol-d6

Concen: 103.553 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF102134.D

Acq: 17 Jan 2018 2:23

Instrument :

BNA_F

ClientSampled :

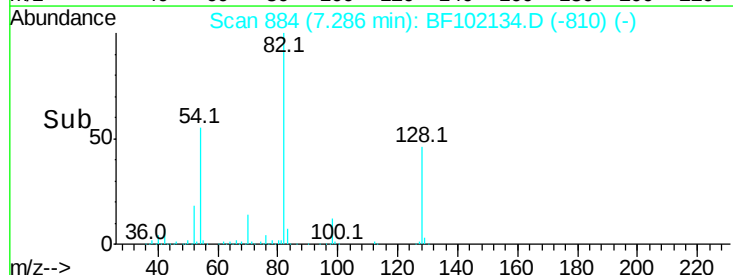
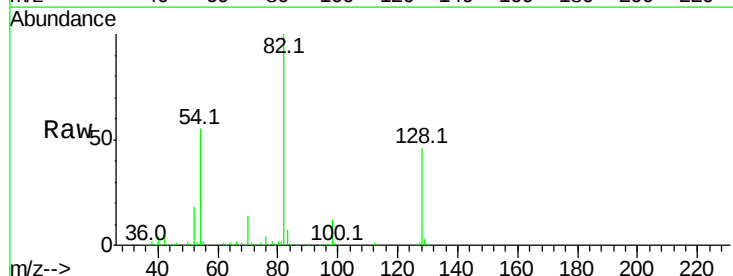
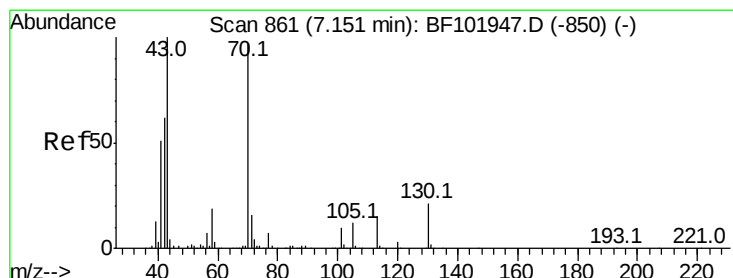
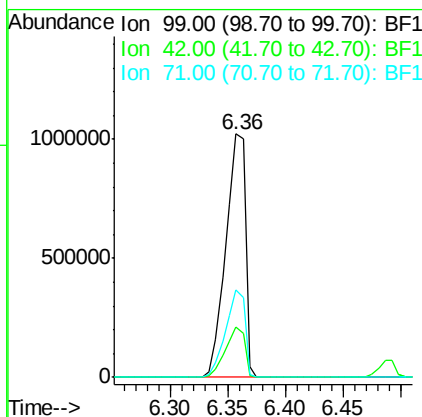
Tot Ion: 99 Resp: 1207599

Ion Ratio Lower Upper

99 100

42 20.9 14.5 21.7

71 36.0 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 13.425 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.14 min

Lab File: BF102134.D

Acq: 17 Jan 2018 2:23

Tgt Ion: 70 Resp: 102596

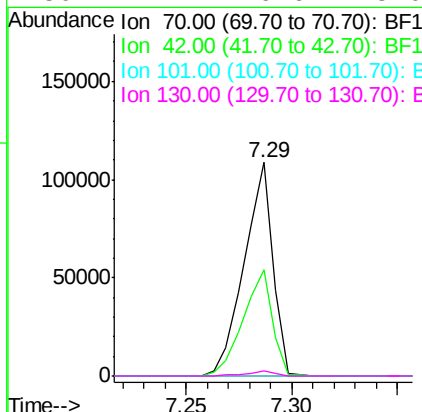
Ion Ratio Lower Upper

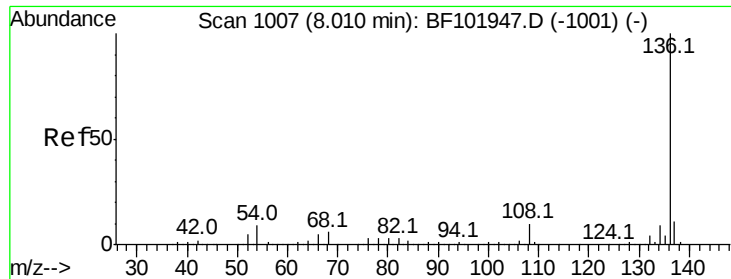
70 100

42 49.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

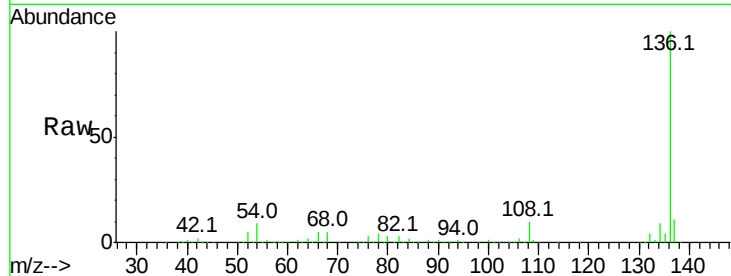




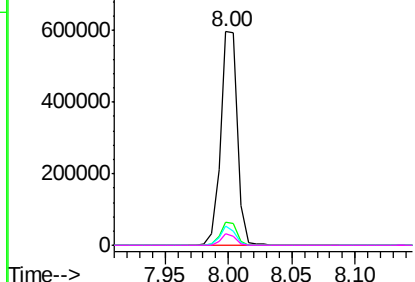
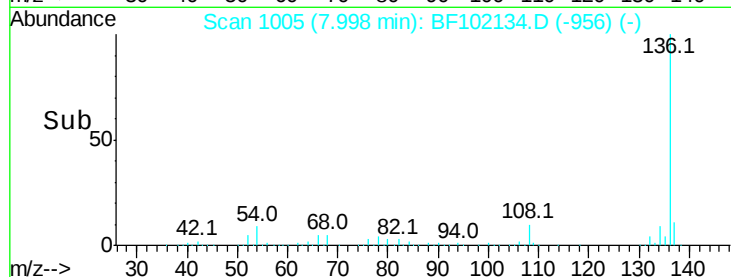
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF102134.D
Acq: 17 Jan 2018 2:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	553744
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.9 13.3
54	8.7	6.6 9.8
68	5.4	5.0 7.4

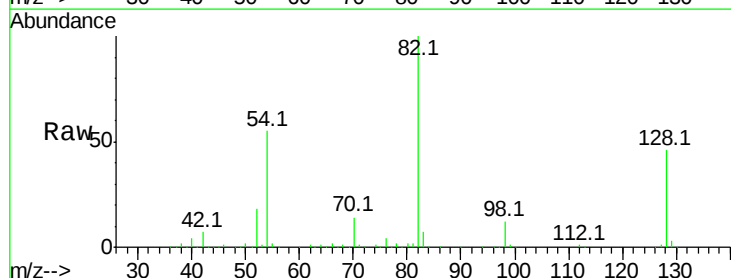


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

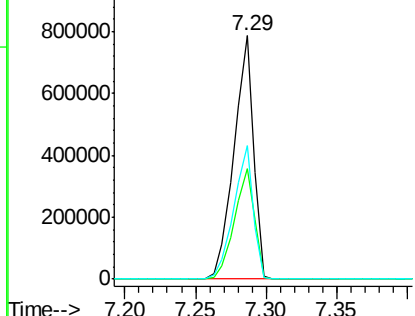
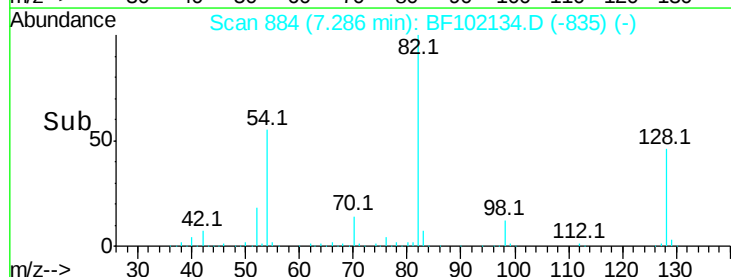


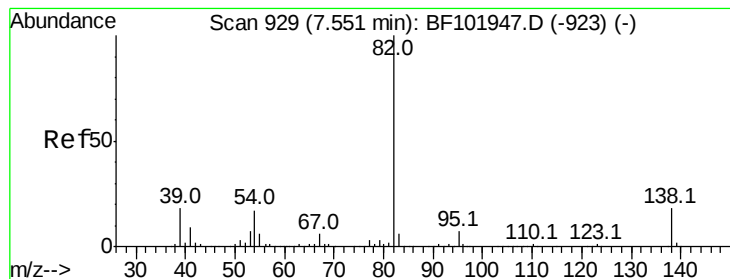
#23
Nitrobenzene-d5
Concen: 80.794 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF102134.D
Acq: 17 Jan 2018 2:23

Tgt Ion: 82	Resp:	761339
Ion Ratio	Lower	Upper
82	100	
128	45.6	36.1 54.1
54	54.6	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: 40.889 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102134.D

Acq: 17 Jan 2018 2:23

Instrument :

BNA_F

ClientSampled :

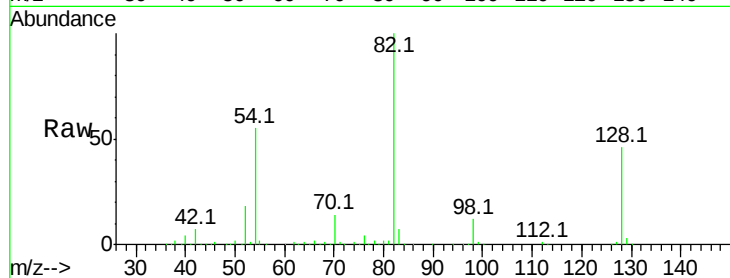
Tot Ion: 82 Resp: 761325

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

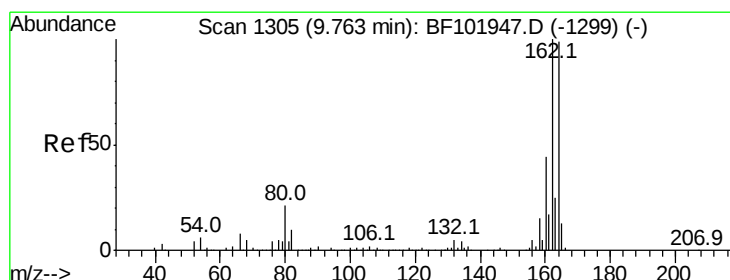
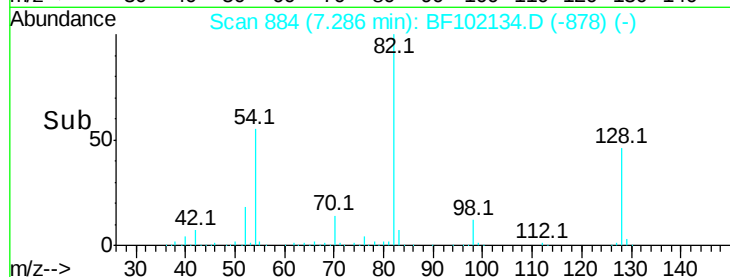
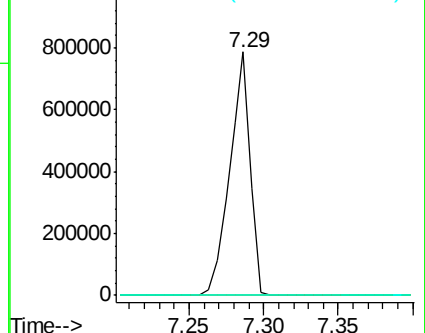
138 0.0 14.9 22.3#



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: BF102134.D

Acq: 17 Jan 2018 2:23

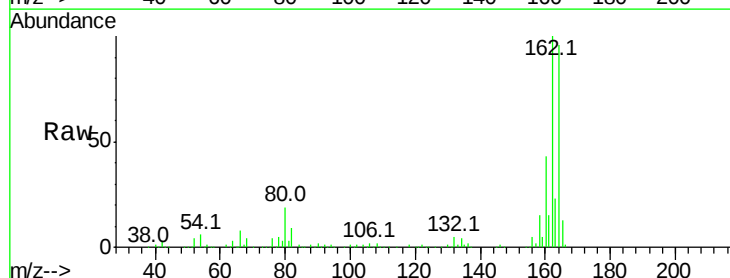
Tgt Ion:164 Resp: 233708

Ion Ratio Lower Upper

164 100

162 104.4 86.1 129.1

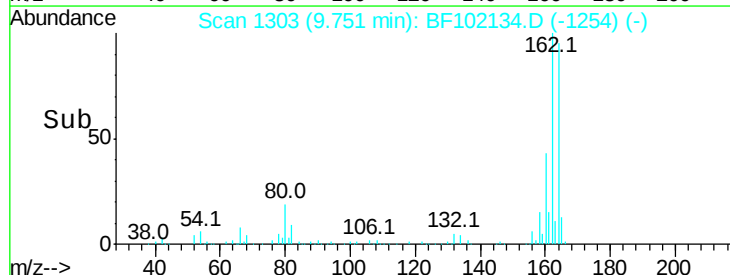
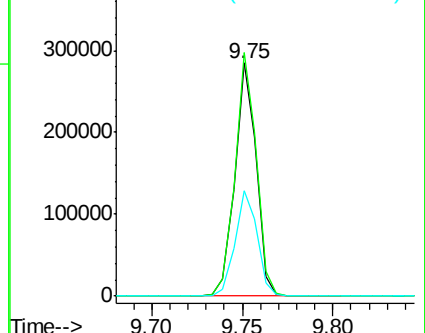
160 45.2 38.3 57.5



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

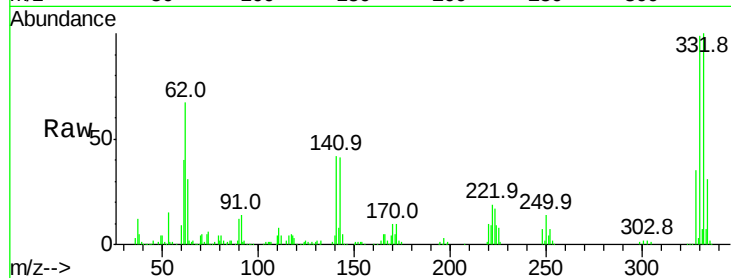




#41
 2,4,6-Tribromophenol
 Concen: 115.538 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102134.D
 Acq: 17 Jan 2018 2:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.0	115.6
141	38.9	29.9	44.9

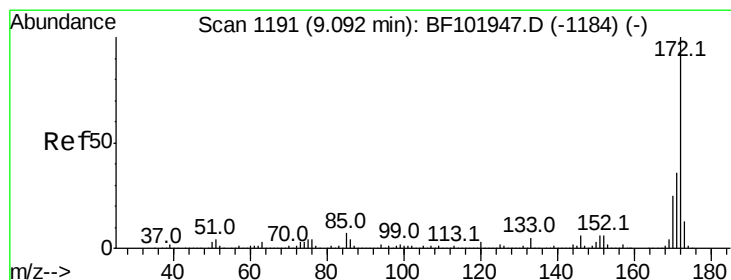
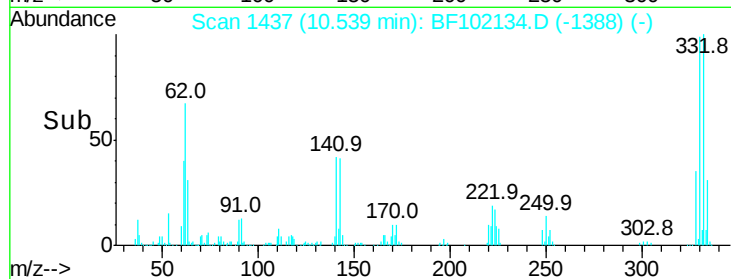
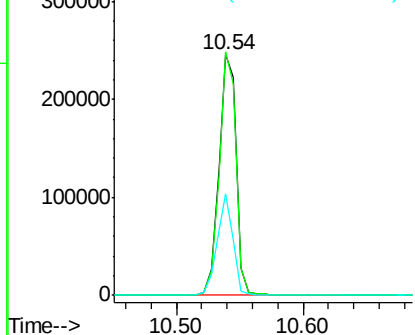


Abundance

Ion 329.80 (329.50 to 330.50): E

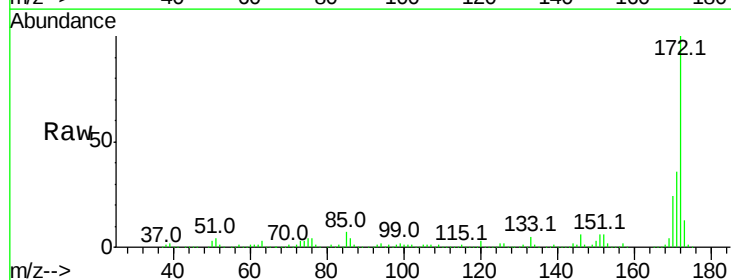
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 90.883 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF102134.D
 Acq: 17 Jan 2018 2:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	24.1	19.6	29.4

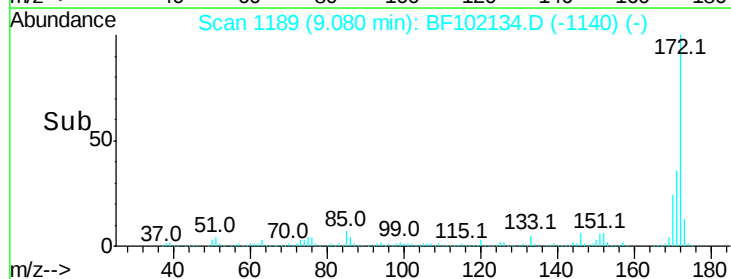
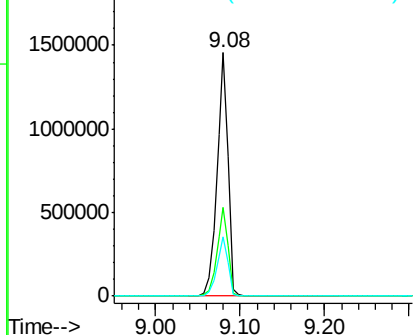


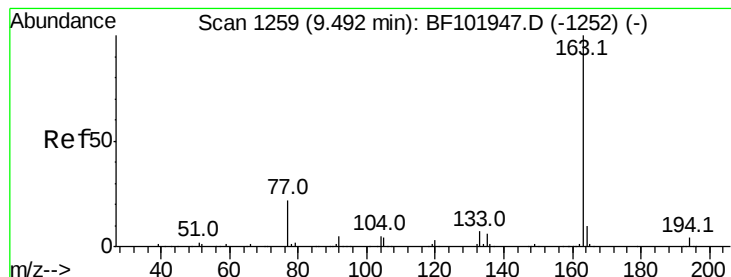
Abundance

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: 6.532 ng

RT: 9.47 min Scan# 1255

Delta R.T. -0.02 min

Lab File: BF102134.D

Acq: 17 Jan 2018 2:23

Instrument :

BNA_F

ClientSampleId :

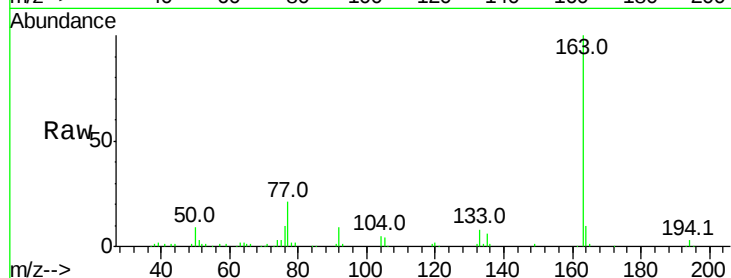
Tot Ion:163 Resp: 122464

Ion Ratio Lower Upper

163 100

194 3.2 2.7 4.1

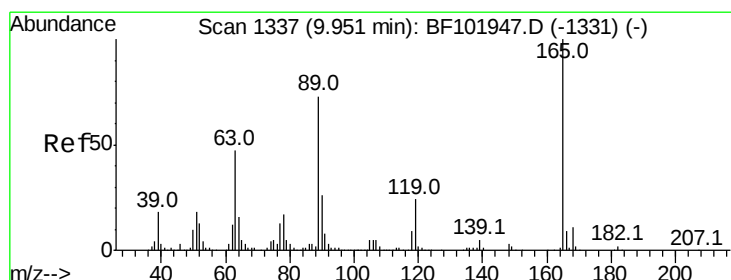
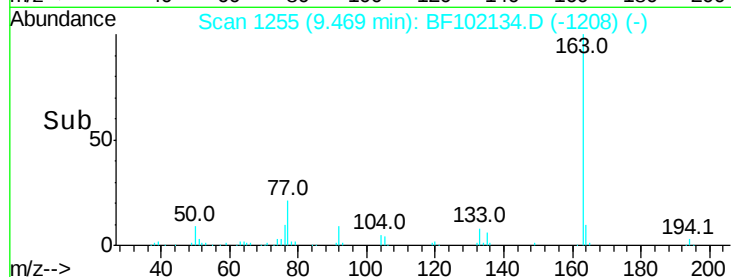
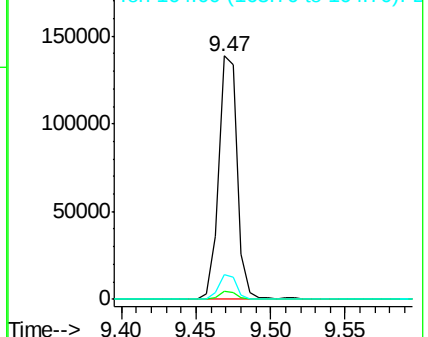
164 10.2 8.2 12.2



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: 6.386 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.20 min

Lab File: BF102134.D

Acq: 17 Jan 2018 2:23

Tgt Ion:165 Resp: 29975

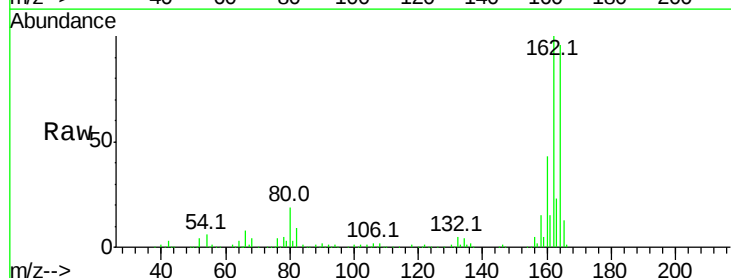
Ion Ratio Lower Upper

165 100

63 1.2 36.4 54.6#

89 1.5 57.8 86.6#

182 0.0 1.6 2.4#

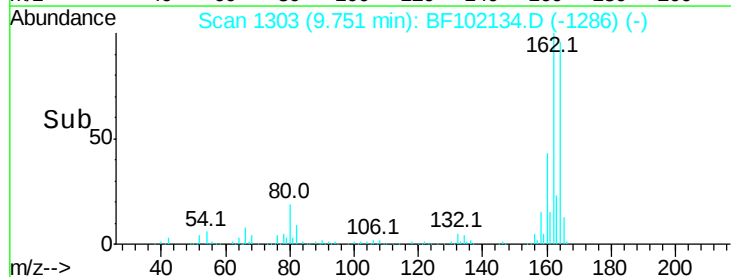
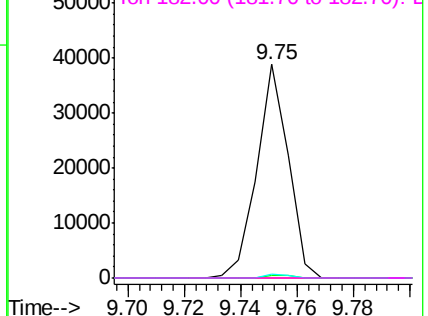


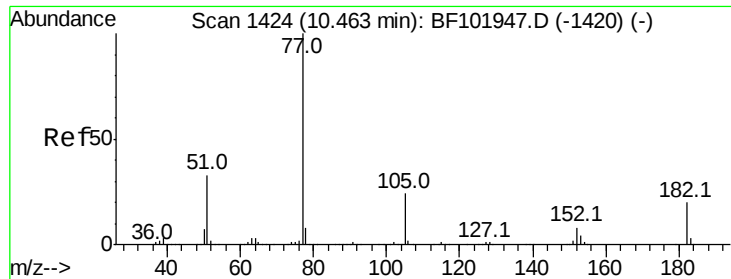
Abundance Ion 165.00 (164.70 to 165.70): E

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

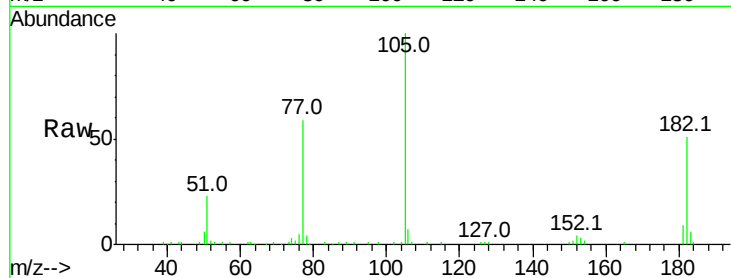




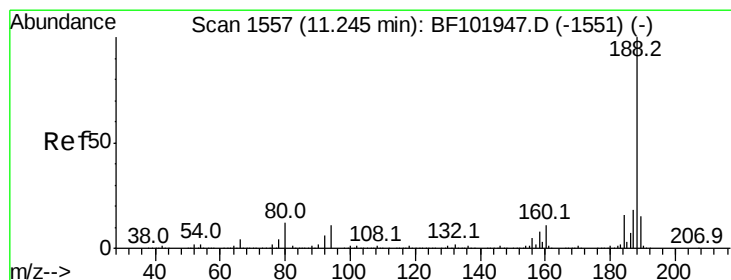
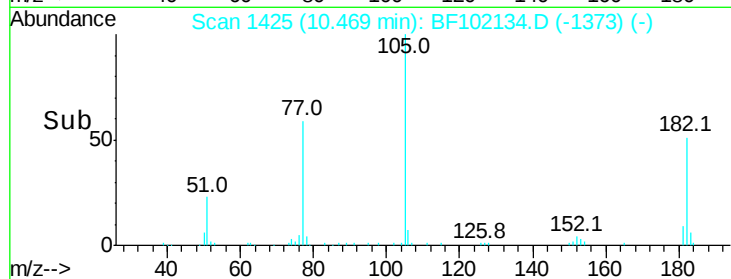
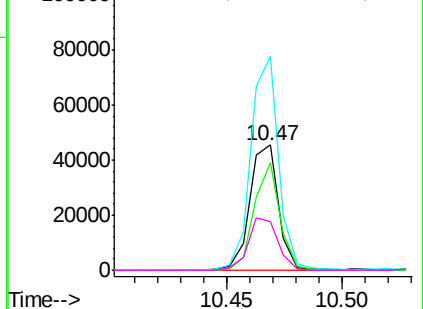
#62
Azobenzene
Concen: 2.130 ng
RT: 10.47 min Scan# 1425
Delta R.T. 0.01 min
Lab File: BF102134.D
Acq: 17 Jan 2018 2:23

Instrument :
BNA_F
ClientSampled :

Tot Ion: 77 Resp: 39521
Ion Ratio Lower Upper
77 100
182 86.3 1.7 41.7#
105 170.9 3.0 43.0#
51 38.9 9.9 49.9

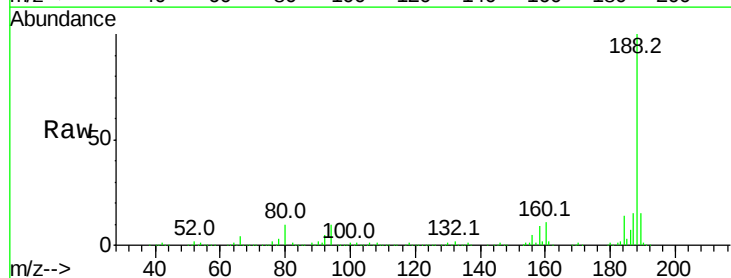


Abundance Ion 77.00 (76.70 to 77.70): BF1
120000 Ion 182.00 (181.70 to 182.70): BF1
100000 Ion 105.00 (104.70 to 105.70): BF1
80000 Ion 51.00 (50.70 to 51.70): BF1
60000
40000
20000
0

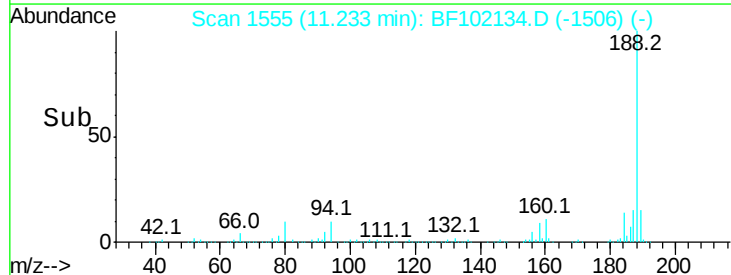
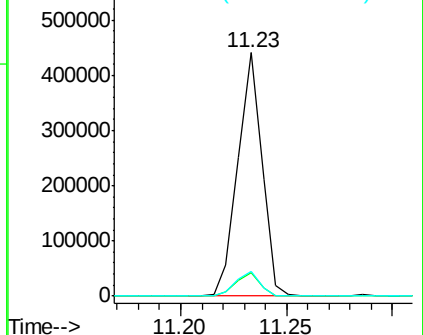


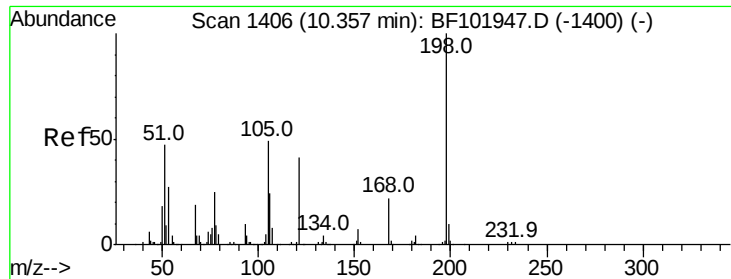
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102134.D
Acq: 17 Jan 2018 2:23

Tgt Ion: 188 Resp: 349270
Ion Ratio Lower Upper
188 100
94 9.8 8.5 12.7
80 10.3 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): BF1
600000 Ion 94.00 (93.70 to 94.70): BF1
500000 Ion 80.00 (79.70 to 80.70): BF1
400000
300000
200000
100000
0

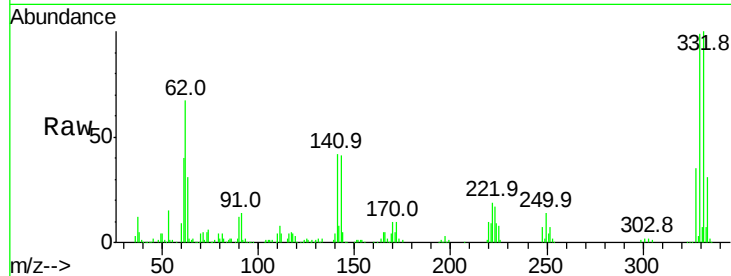




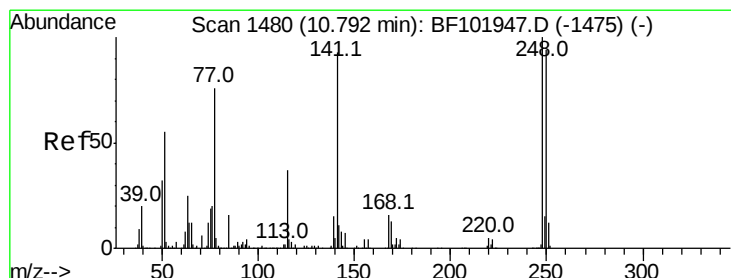
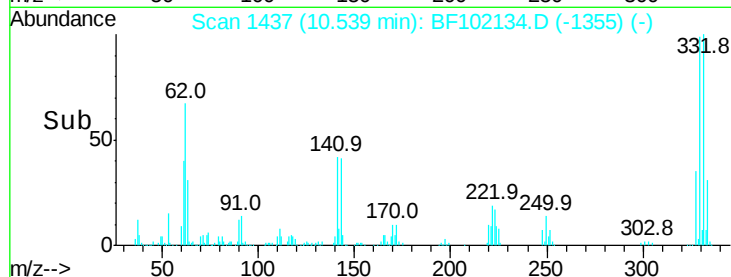
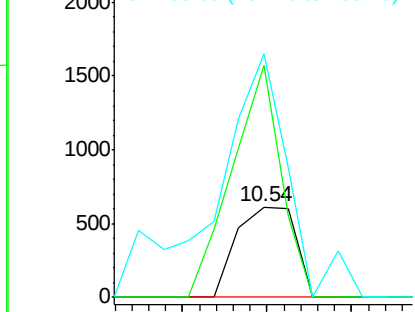
#64
4,6-Dinitro-2-methylphenol
Concen: 5.938 ng
RT: 10.54 min Scan# 1437
Delta R.T. 0.18 min
Lab File: BF102134.D
Acq: 17 Jan 2018 2:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 594
Ion Ratio Lower Upper
198 100
51 256.3 37.7 77.7#
105 269.3 36.3 76.3#

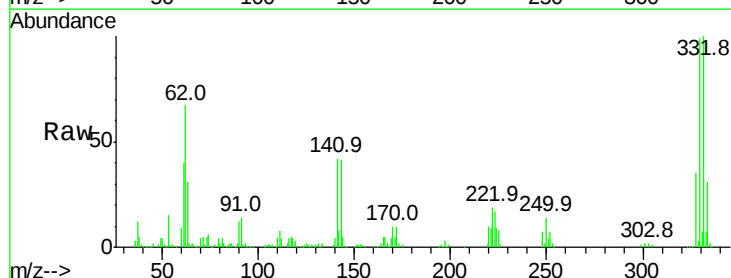


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

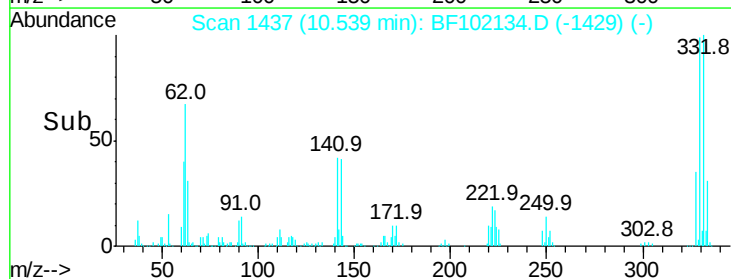
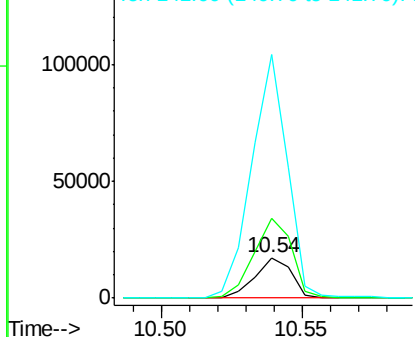


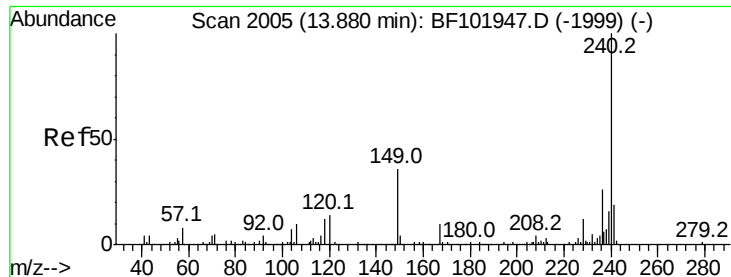
#66
4-Bromophenyl-phenylether
Concen: 4.277 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.25 min
Lab File: BF102134.D
Acq: 17 Jan 2018 2:23

Tgt Ion:248 Resp: 15776
Ion Ratio Lower Upper
248 100
250 196.7 76.9 115.3#
141 597.6 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: BF102134.D

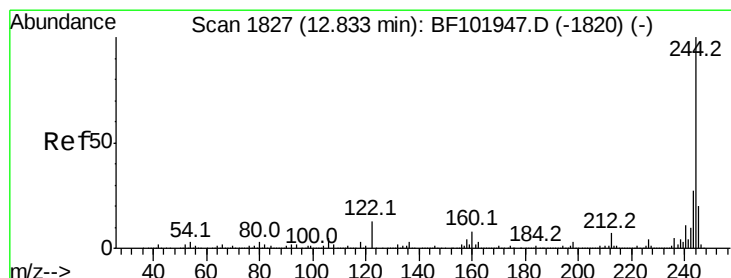
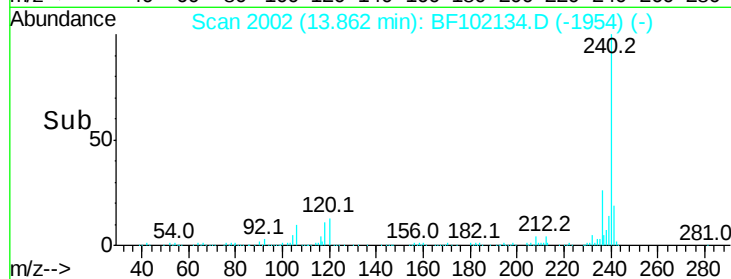
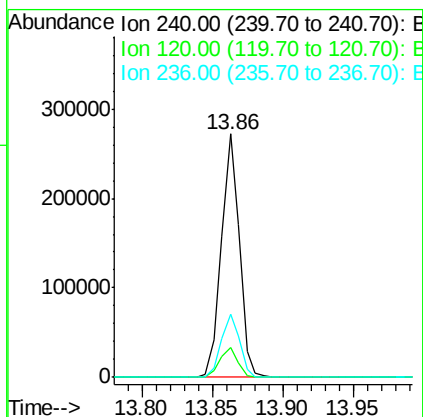
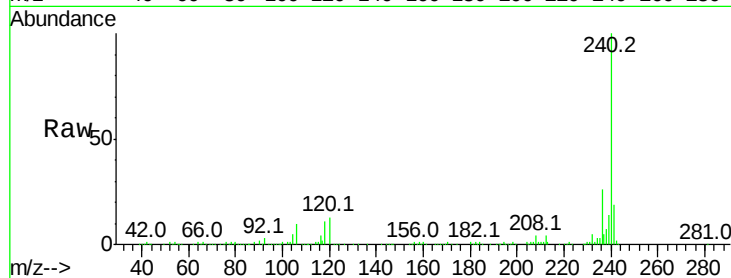
Acq: 17 Jan 2018 2:23

Instrument :

BNA_F

ClientSampleId :

Tot Ion:240	Resp:	242229
Ion Ratio	Lower	Upper
240	100	
120	12.5	9.5 14.3
236	26.0	20.7 31.1



#78

Terphenyl-d14

Concen: 80.113 ng

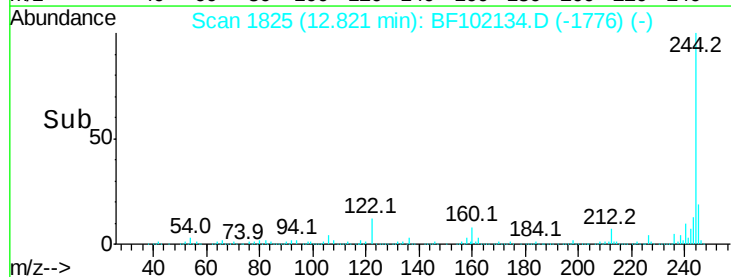
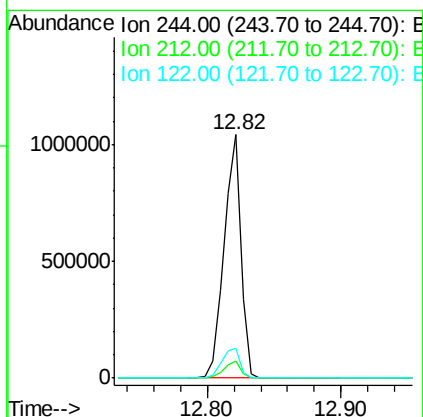
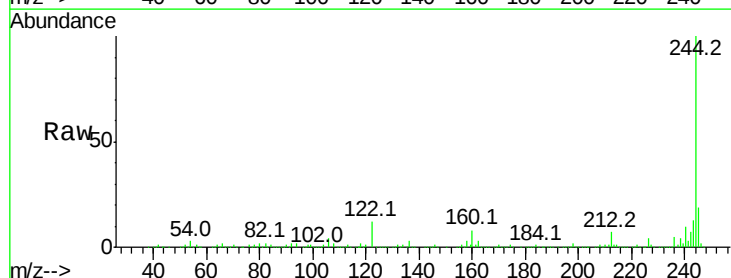
RT: 12.82 min Scan# 1825

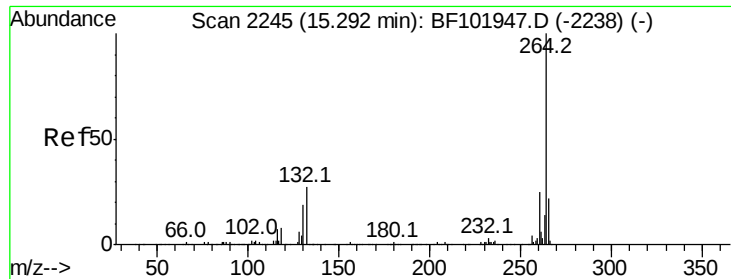
Delta R.T. -0.01 min

Lab File: BF102134.D

Acq: 17 Jan 2018 2:23

Tgt Ion:244	Resp:	934648
Ion Ratio	Lower	Upper
244	100	
212	6.9	5.4 8.0
122	12.1	11.0 16.4

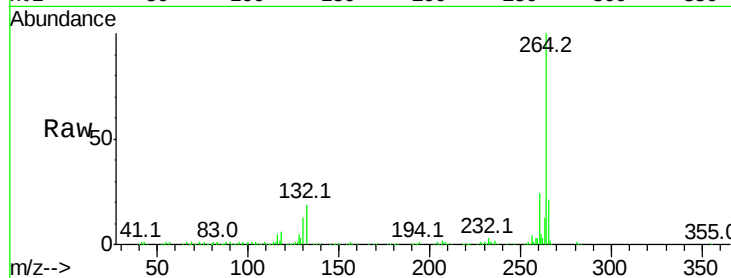




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2243
Delta R.T. -0.01 min
Lab File: BF102134.D
Acq: 17 Jan 2018 2:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.5	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

