

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042518\
 Data File : BF104817.D
 Acq On : 26 Apr 2018 5:13
 Operator : JU/SJ
 Sample : J2470-02
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 26 08:25:30 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 25 14:01:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	117220	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	472848	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	199535	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	309954	20.00	ng	0.00
75) Chrysene-d12	13.97	240	256118	20.00	ng	-0.01
86) Perylene-d12	15.44	264	191190	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	443534	57.86	ng	0.00
7) Phenol-d6	6.43	99	337498	35.83	ng	-0.01
23) Nitrobenzene-d5	7.37	82	706337	97.54	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	243320	117.56	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1181357	93.53	ng	0.00
78) Terphenyl-d14	12.92	244	991151	88.23	ng	0.00

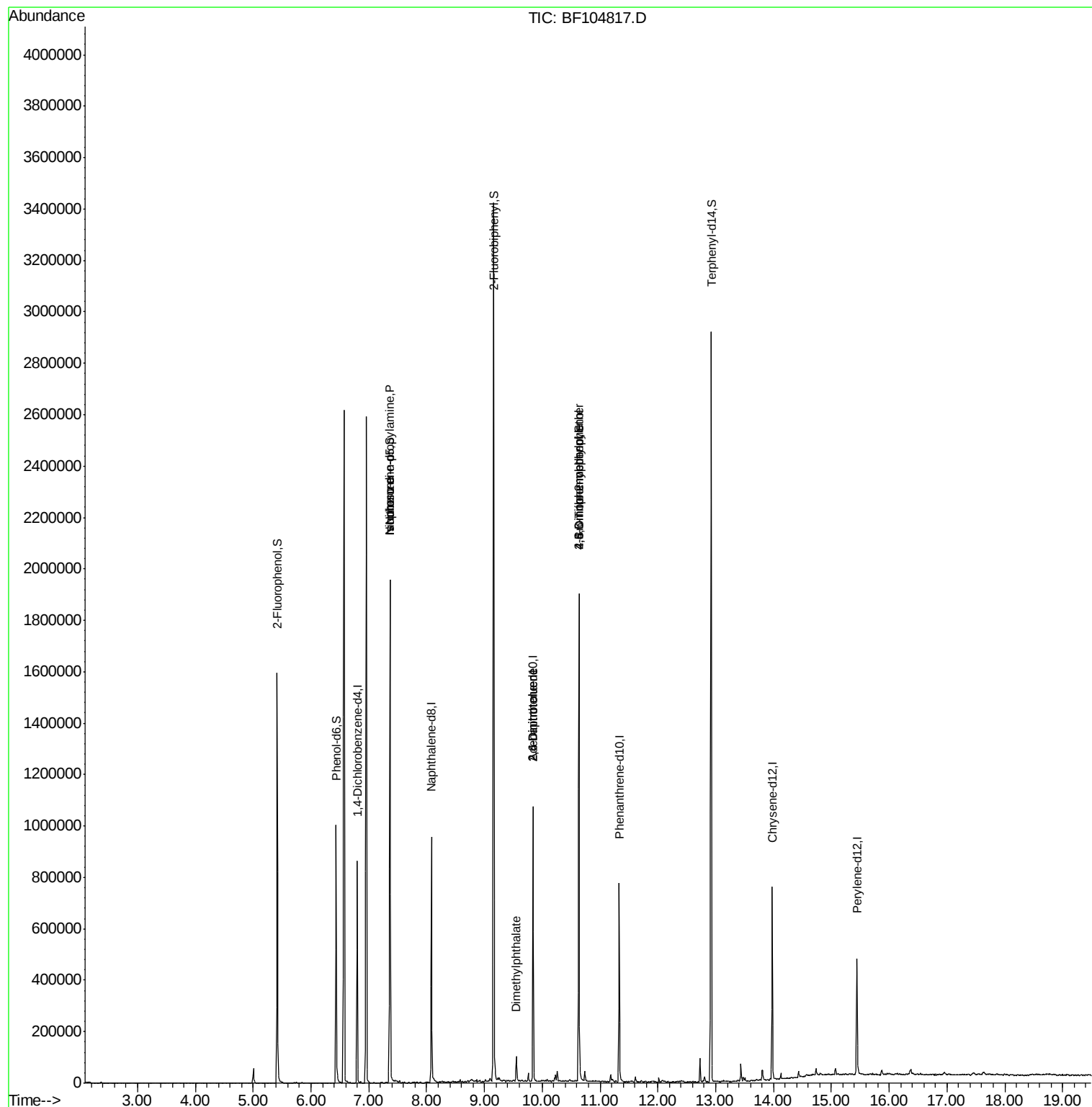
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	93241	15.149	ng	# 72
25) Isophorone	7.37	82	706333	46.127	ng	# 64
49) Dimethylphthalate	9.55	163	36067	2.292	ng	# 99
50) 2,6-Dinitrotoluene	9.84	165	25613	8.797	ng	# 25
56) 2,4-Dinitrotoluene	9.84	165	25613	6.706	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	528	7.643	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	14937	4.531	ng	# 1
76) Benzidine	12.92	184	13195	Below Cal		97

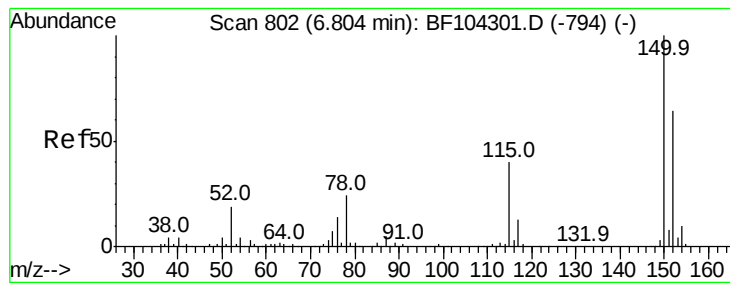
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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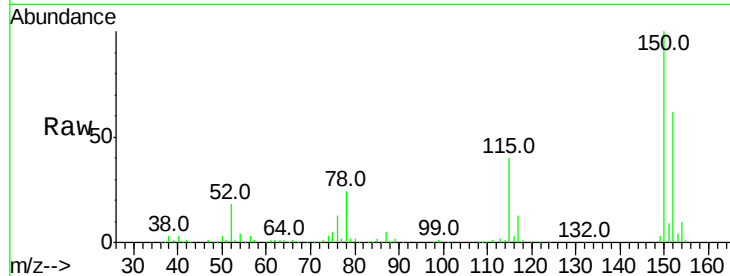


#1

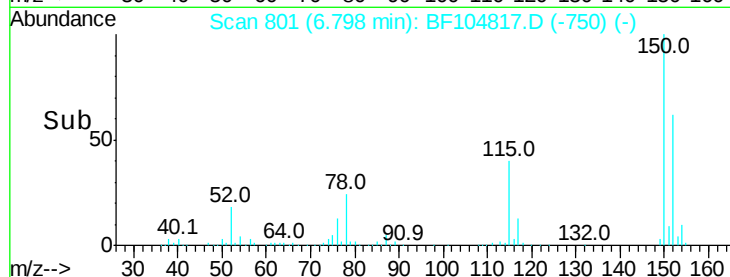
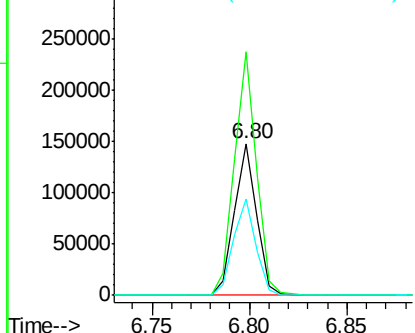
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104817.D
Acq: 26 Apr 2018 5:13

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 117220
Ion Ratio Lower Upper
152 100
150 160.4 124.6 186.8
115 63.7 50.1 75.1



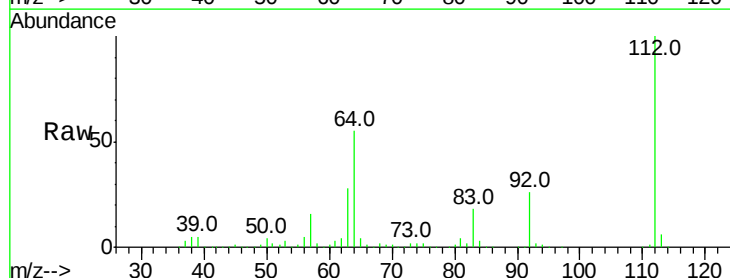
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



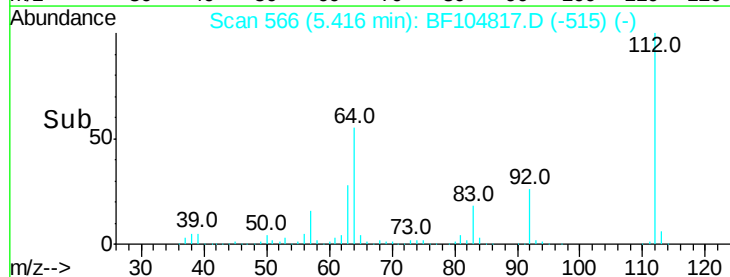
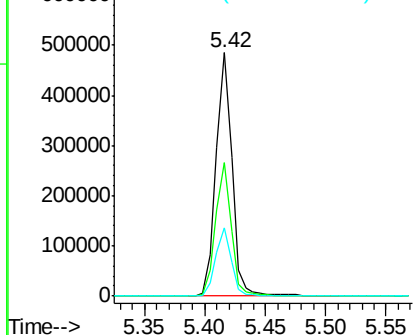
#5

2-Fluorophenol
Concen: 57.856 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF104817.D
Acq: 26 Apr 2018 5:13

Tgt Ion:112 Resp: 443534
Ion Ratio Lower Upper
112 100
64 54.9 47.9 71.9
63 28.3 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: 35.831 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104817.D

Acq: 26 Apr 2018 5:13

Instrument :

BNA_F

ClientSampled :

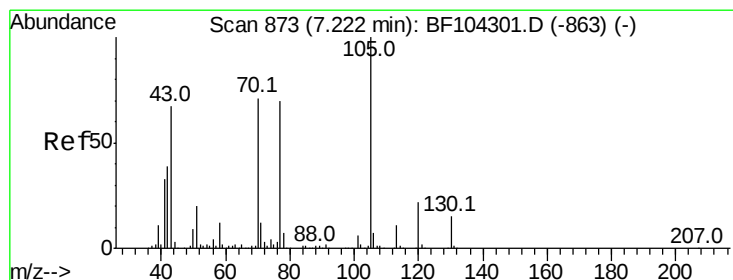
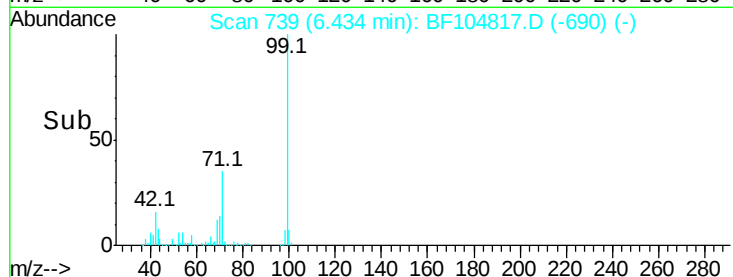
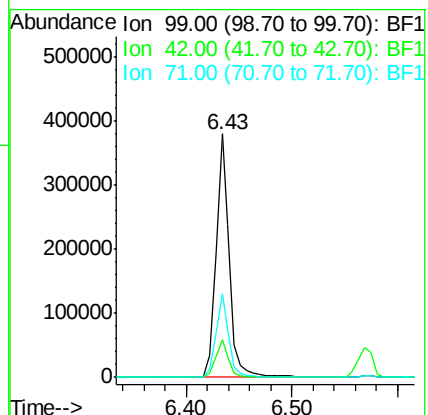
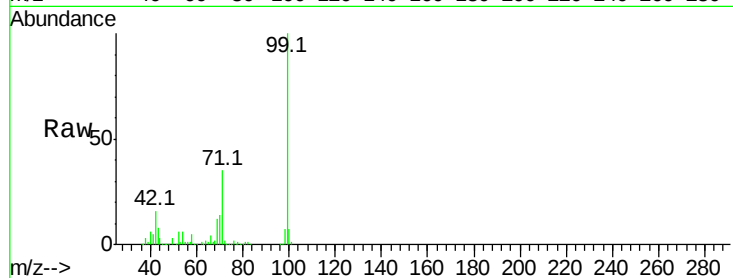
Tot Ion: 99 Resp: 337498

Ion Ratio Lower Upper

99 100

42 15.7 14.5 21.7

71 34.6 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.149 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104817.D

Acq: 26 Apr 2018 5:13

Tgt Ion: 70 Resp: 93241

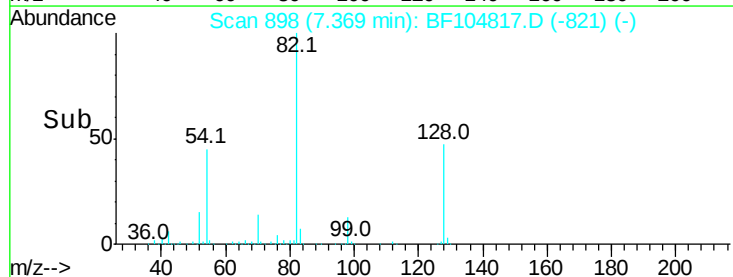
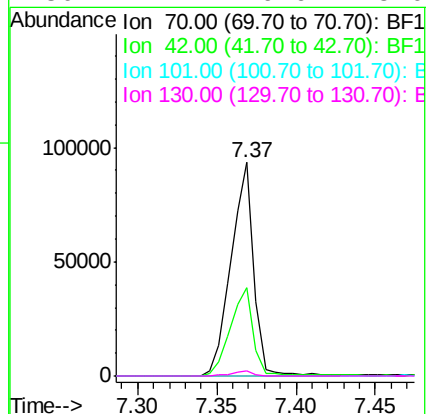
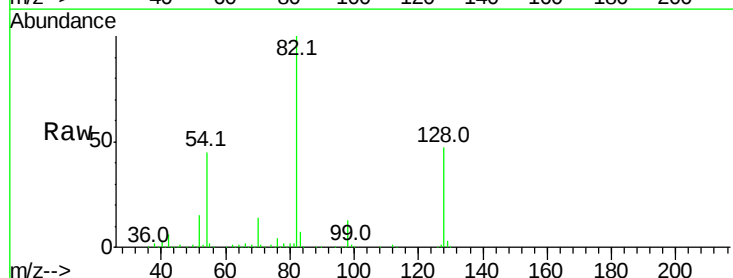
Ion Ratio Lower Upper

70 100

42 41.4 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: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF104817.D

Acq: 26 Apr 2018 5:13

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 472848

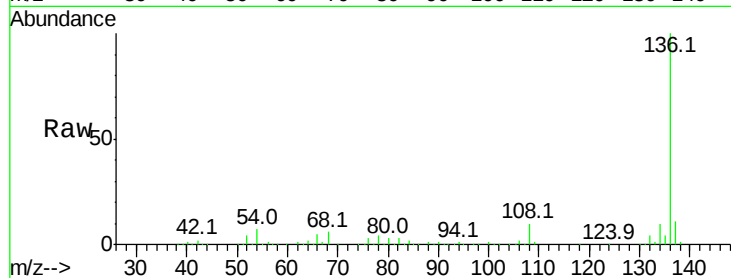
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 6.9 6.6 9.8

68 6.0 5.0 7.4

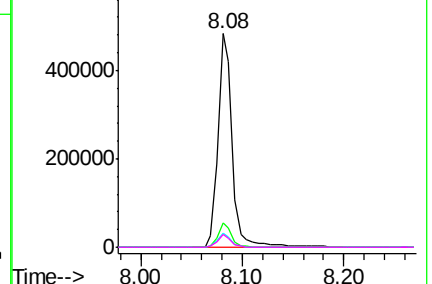
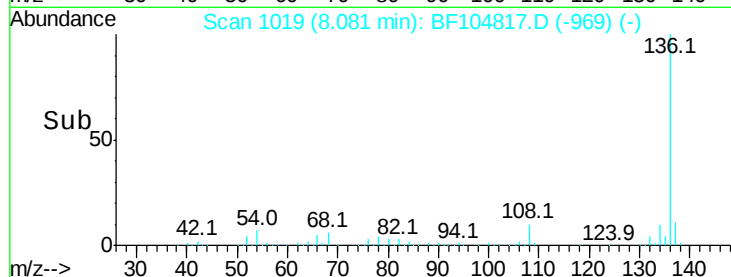


Abundance Ion 136.00 (135.70 to 136.70): E

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: 97.542 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF104817.D

Acq: 26 Apr 2018 5:13

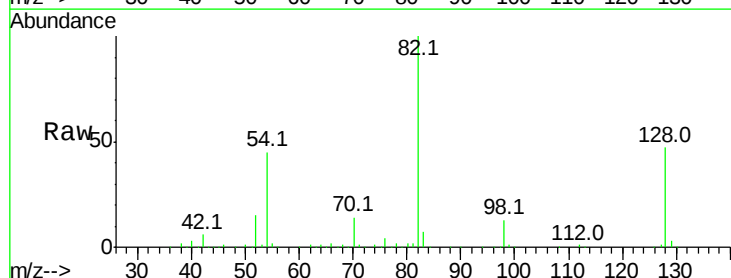
Tgt Ion: 82 Resp: 706337

Ion Ratio Lower Upper

82 100

128 46.8 36.1 54.1

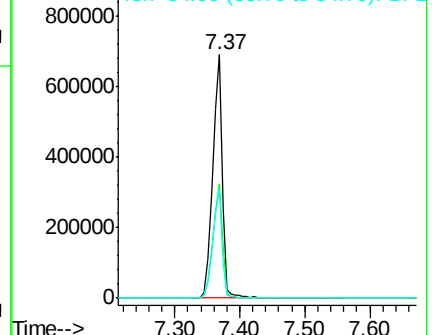
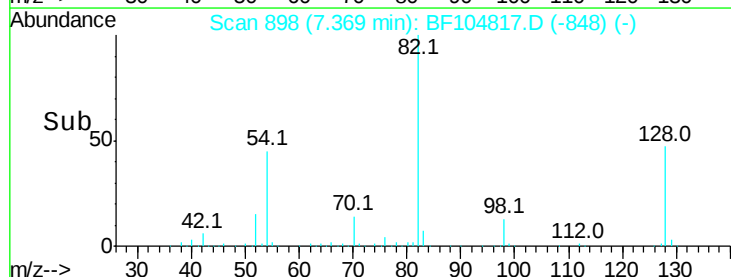
54 44.9 41.4 62.2



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: 46.127 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104817.D

Acq: 26 Apr 2018 5:13

Instrument :

BNA_F

ClientSampleId :

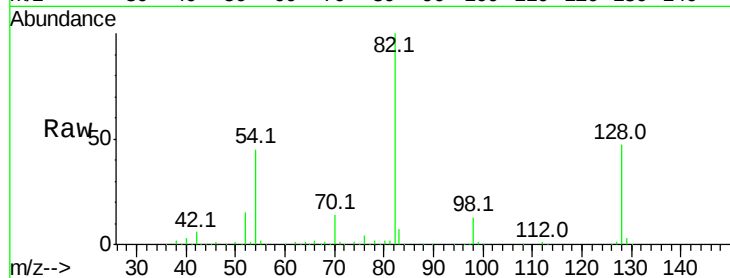
Tot Ion: 82 Resp: 706333

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

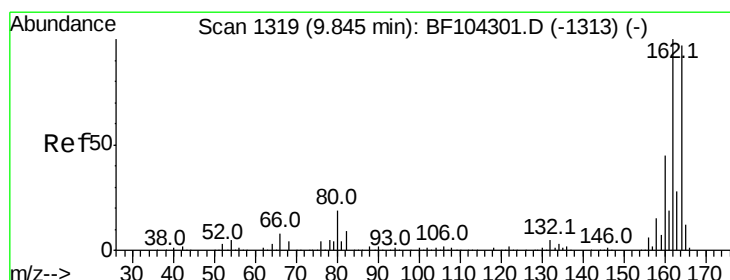
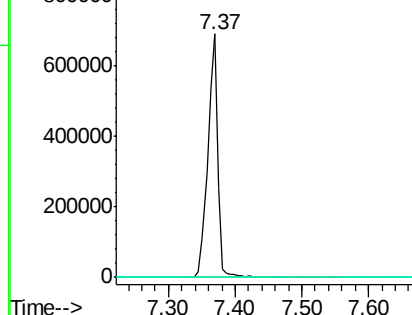
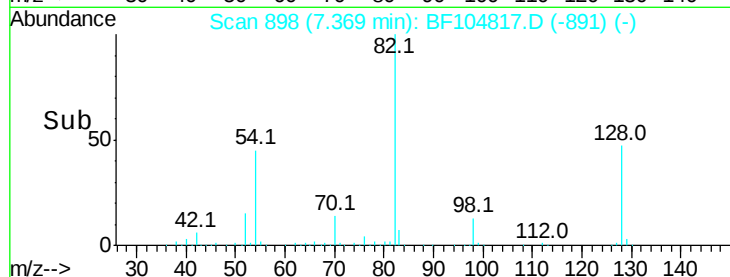
138 0.0 14.9 22.3#



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: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF104817.D

Acq: 26 Apr 2018 5:13

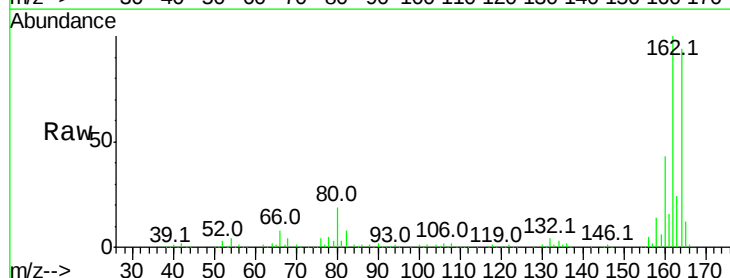
Tgt Ion:164 Resp: 199535

Ion Ratio Lower Upper

164 100

162 106.2 86.1 129.1

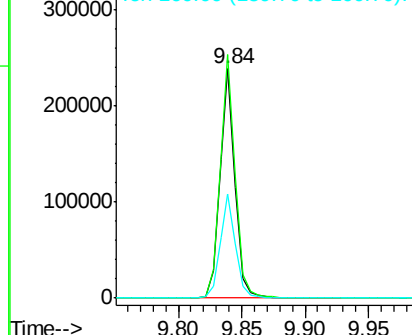
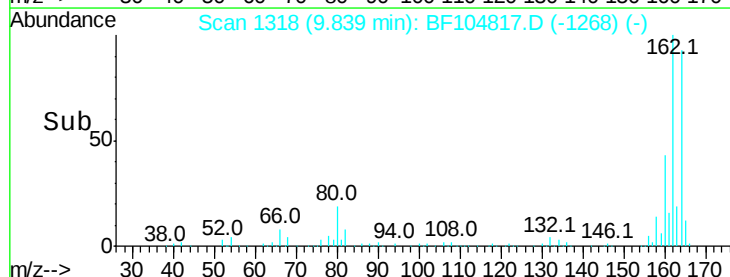
160 45.5 38.3 57.5

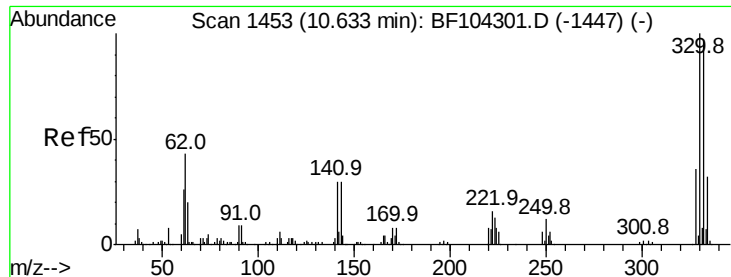


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

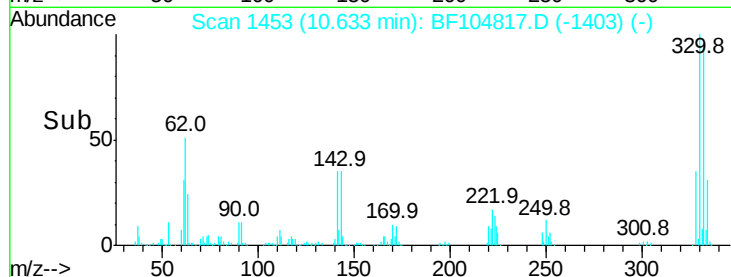
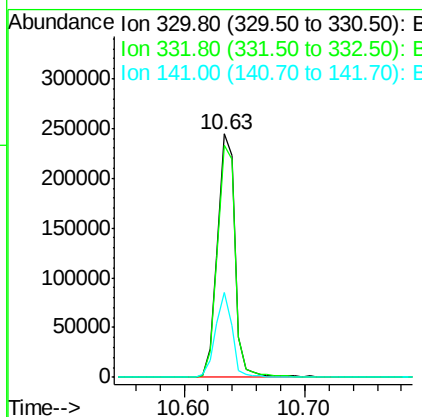
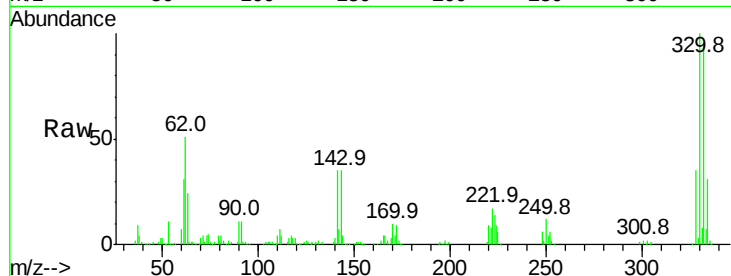




#41
 2,4,6-Tribromophenol
 Concen: 117.556 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104817.D
 Acq: 26 Apr 2018 5:13

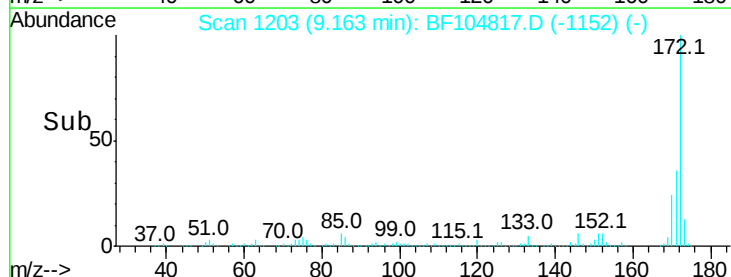
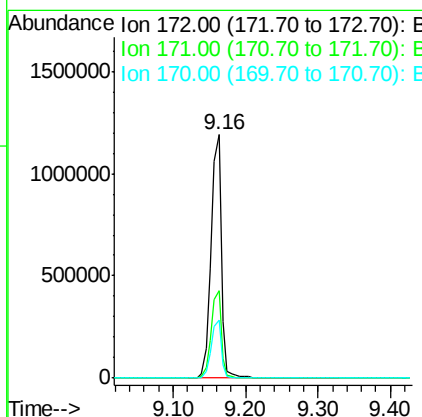
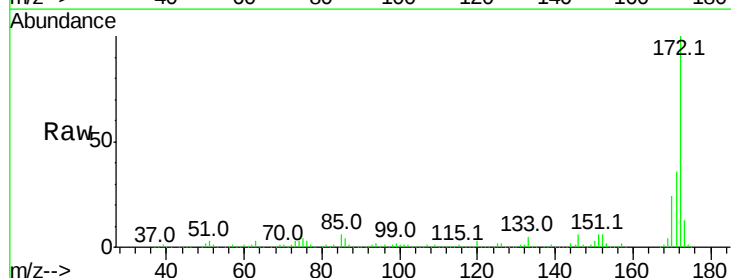
Instrument :
 BNA_F
 ClientSampleId :

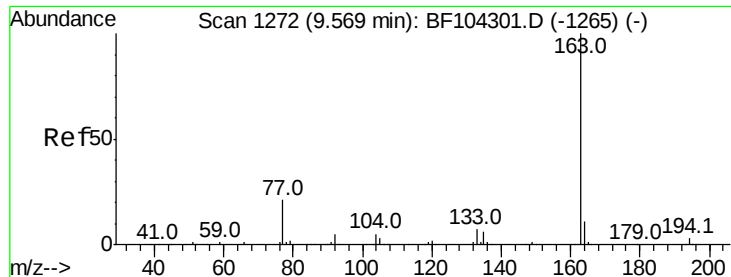
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	33.0	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 93.530 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: BF104817.D
 Acq: 26 Apr 2018 5:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	24.0	19.6	29.4

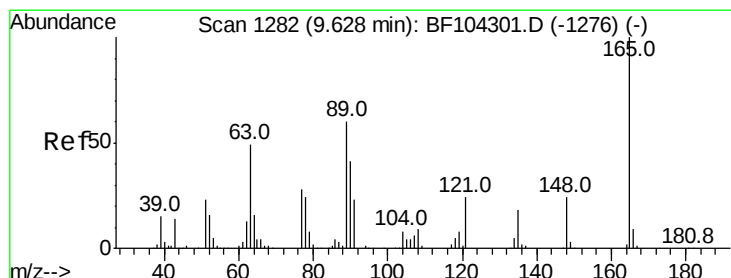
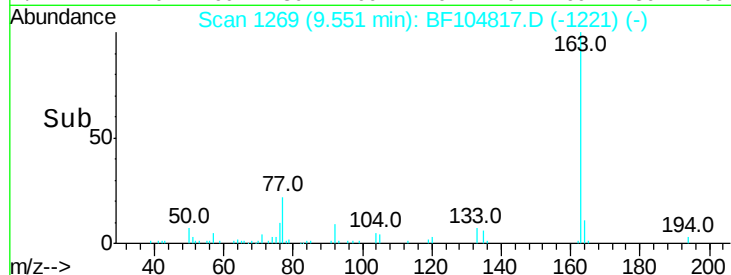
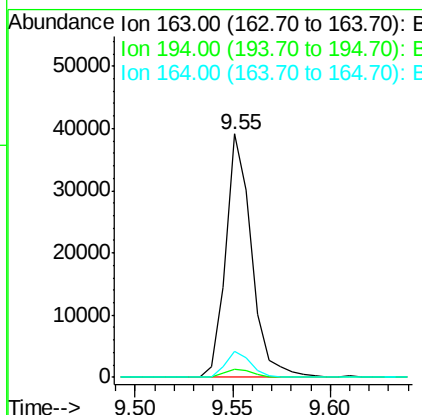
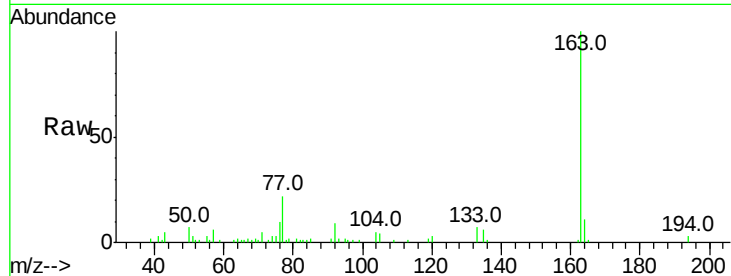




#49
Dimethylphthalate
Concen: 2.292 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF104817.D
Acq: 26 Apr 2018 5:13

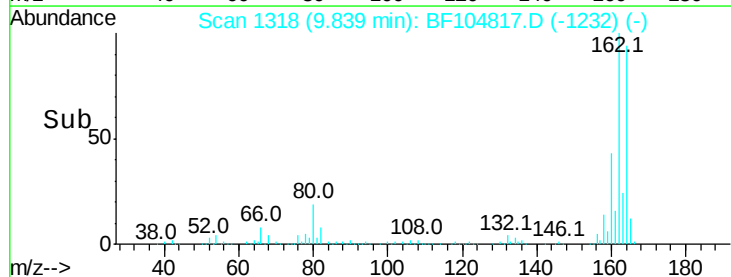
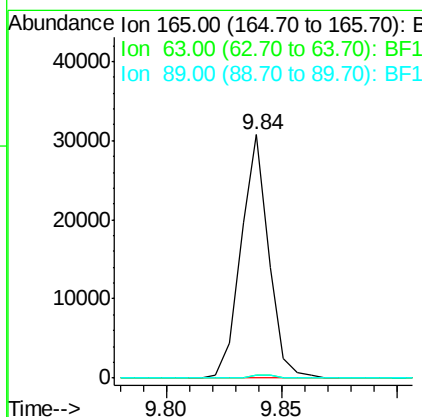
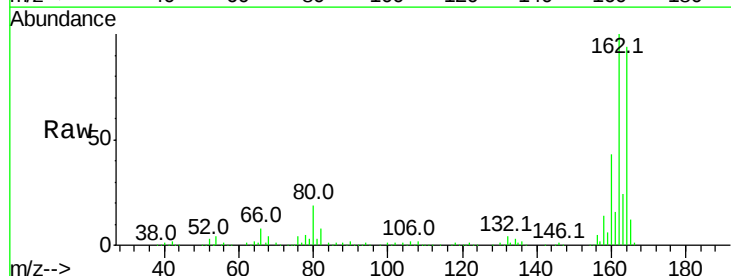
Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 36067
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.6 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 8.797 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.21 min
Lab File: BF104817.D
Acq: 26 Apr 2018 5:13

Tgt Ion:165 Resp: 25613
Ion Ratio Lower Upper
165 100
63 1.3 44.7 67.1#
89 1.1 44.0 66.0#

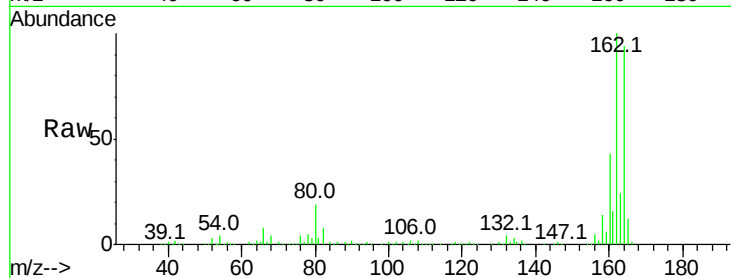




#56
 2,4-Dinitrotoluene
 Concen: 6.706 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.20 min
 Lab File: BF104817.D
 Acq: 26 Apr 2018 5:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	25613
Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.1	57.8	86.6#
182	0.0	1.6	2.4#

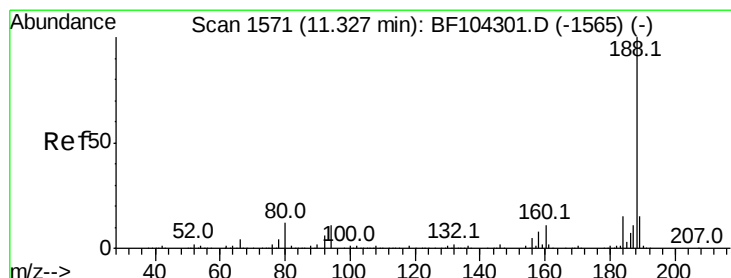
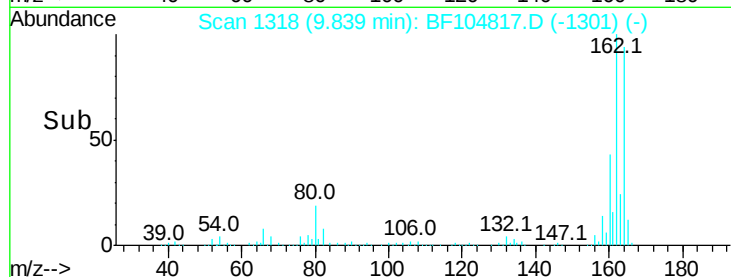
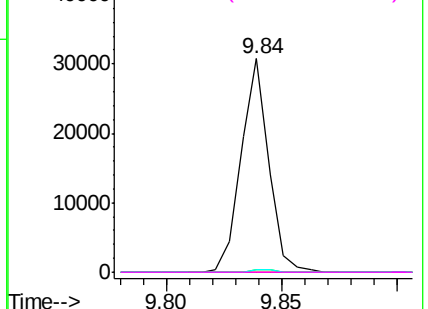


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

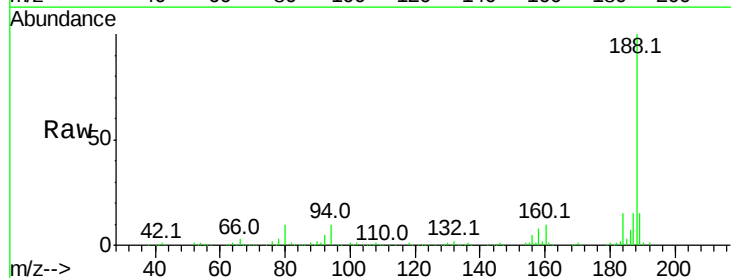
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BF104817.D
 Acq: 26 Apr 2018 5:13

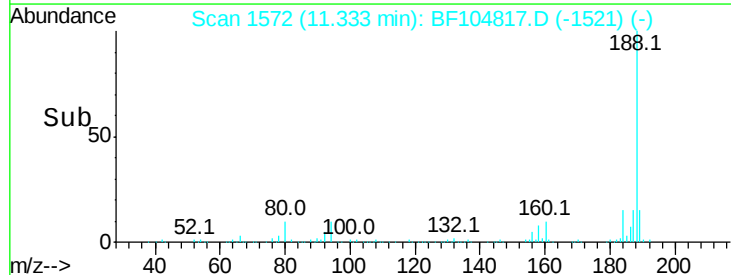
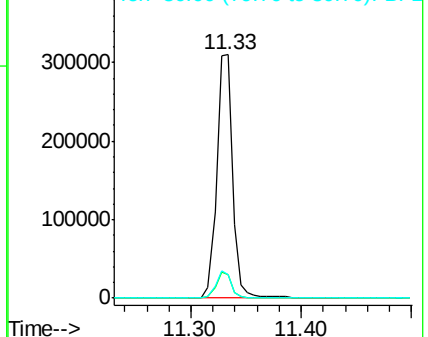
Tgt Ion:	188	Resp:	309954
Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.5	12.7
80	9.6	9.2	13.8

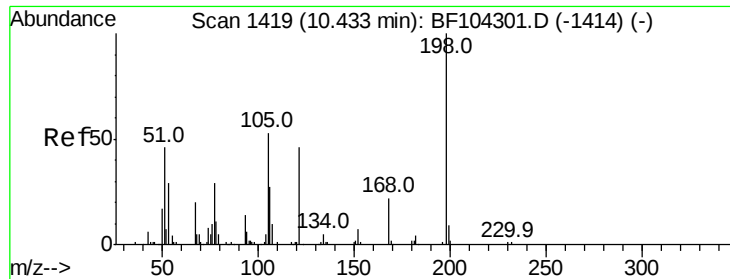


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.643 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.18 min

Lab File: BF104817.D

Acq: 26 Apr 2018 5:13

Instrument :

BNA_F

ClientSampleId :

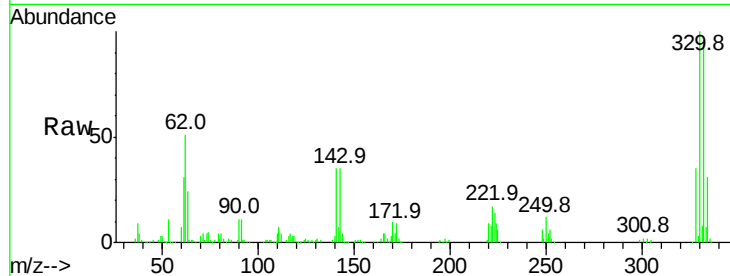
Tot Ion:198 Resp: 528

Ion Ratio Lower Upper

198 100

51 177.0 37.7 77.7#

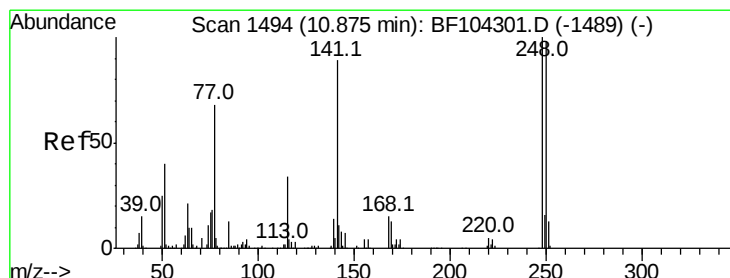
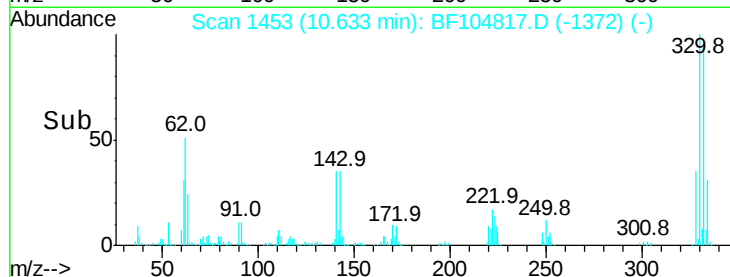
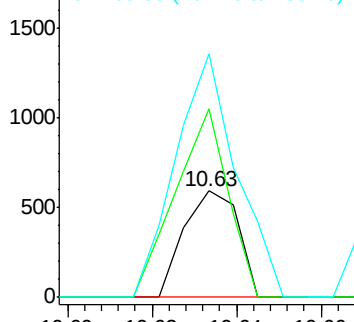
105 229.1 36.3 76.3#



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: 4.531 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.24 min

Lab File: BF104817.D

Acq: 26 Apr 2018 5:13

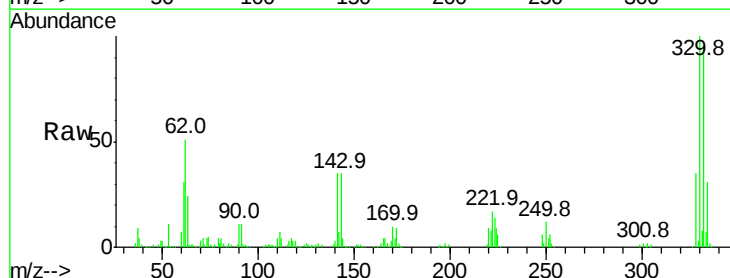
Tgt Ion:248 Resp: 14937

Ion Ratio Lower Upper

248 100

250 189.3 76.9 115.3#

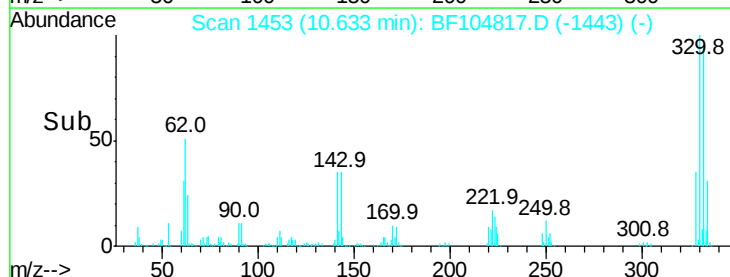
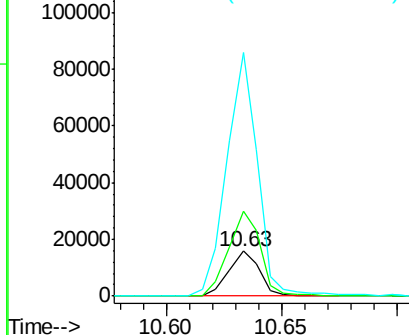
141 545.5 74.4 111.6#

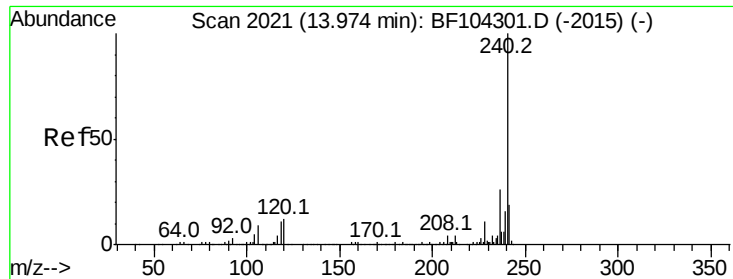


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF104817.D

Acq: 26 Apr 2018 5:13

Instrument :

BNA_F

ClientSampleId :

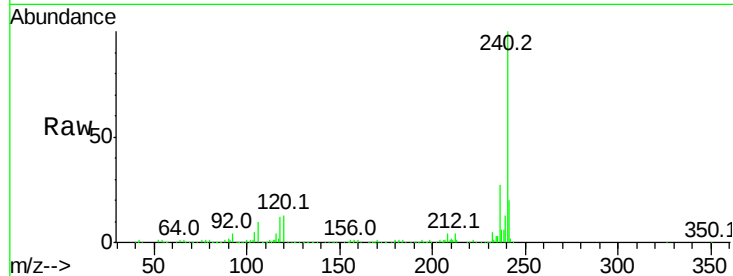
Tot Ion:240 Resp: 256118

Ion Ratio Lower Upper

240 100

120 13.4 9.5 14.3

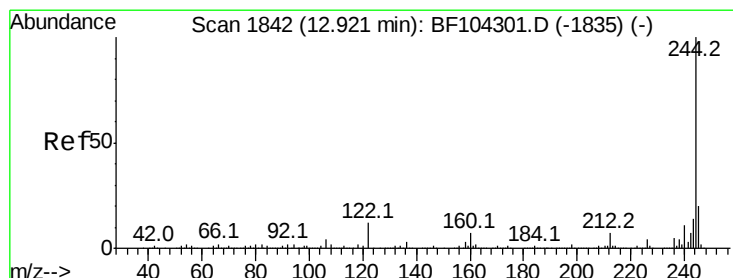
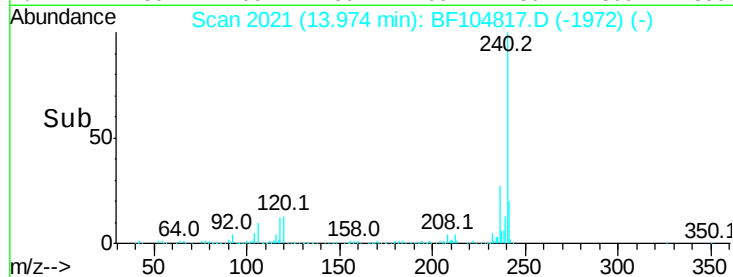
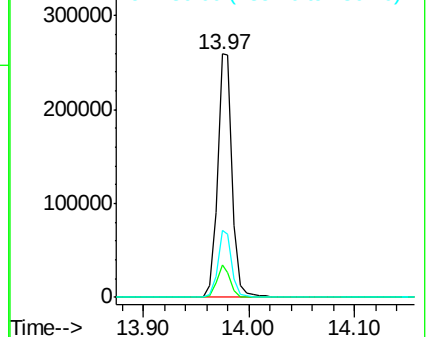
236 27.5 20.7 31.1



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: 88.227 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF104817.D

Acq: 26 Apr 2018 5:13

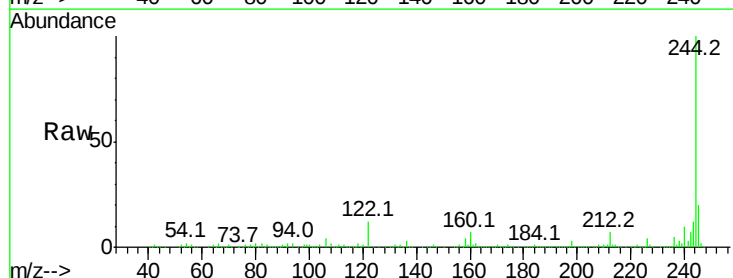
Tgt Ion:244 Resp: 991151

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

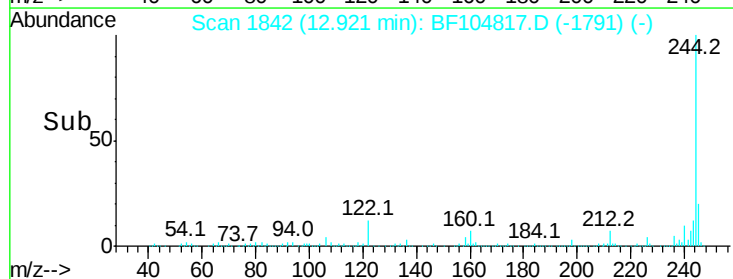
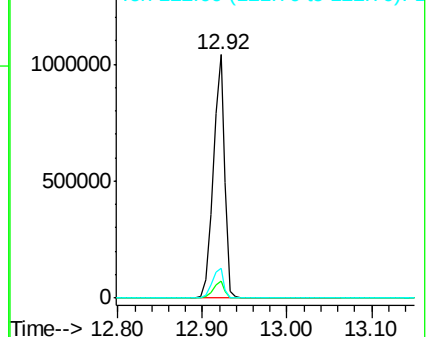
122 12.4 11.0 16.4

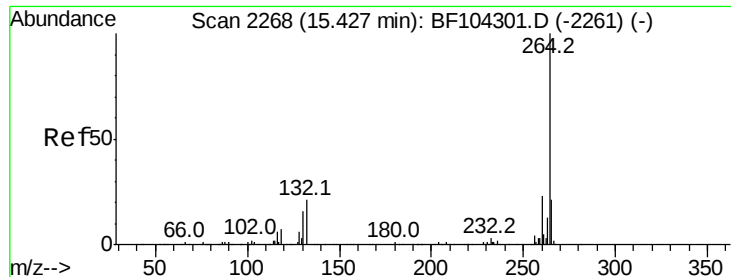


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

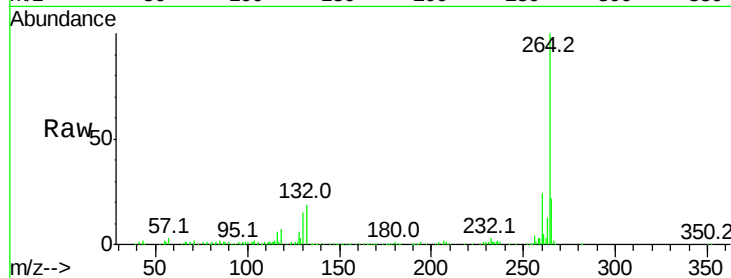




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.02 min
Lab File: BF104817.D
Acq: 26 Apr 2018 5:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.6	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

