

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\
 Data File : BF104551.D
 Acq On : 16 Apr 2018 23:33
 Operator : JU/SJ
 Sample : J2386-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 17 00:59:03 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 16 12:15:25 2018
 Response via : Initial Calibration

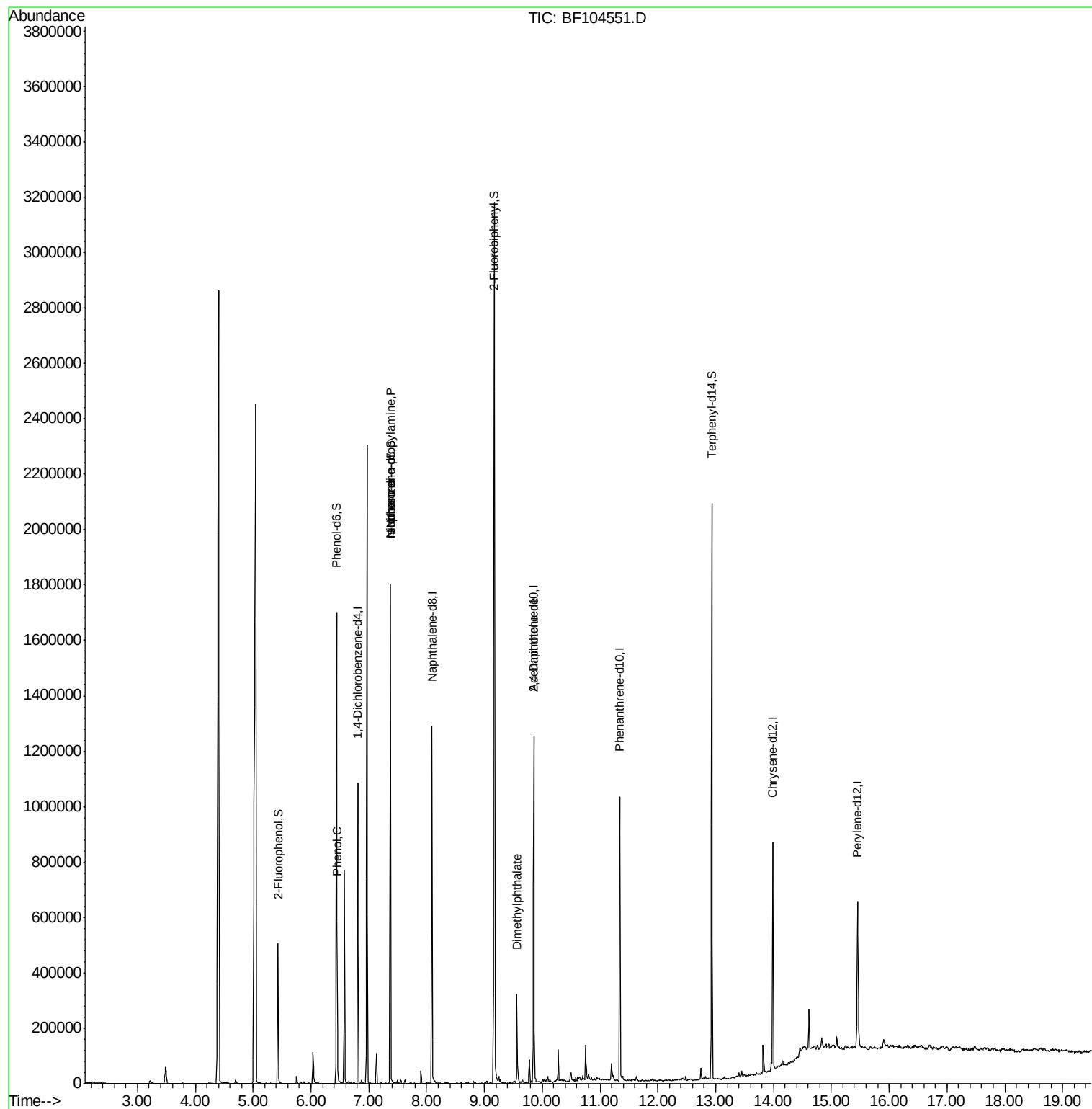
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	140010	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	561412	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	241045	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	366159	20.00	ng	0.00
75) Chrysene-d12	13.99	240	265893	20.00	ng	0.00
86) Perylene-d12	15.46	264	235660	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	136011	14.85	ng	0.00
7) Phenol-d6	6.45	99	552913	49.15	ng	0.00
23) Nitrobenzene-d5	7.37	82	558194	64.92	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	2101	0.84	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1017948	66.71	ng	0.00
78) Terphenyl-d14	12.93	244	724762	62.14	ng	0.00
Target Compounds						
9) Benzaldehyde	6.36	77	155	Below Cal	Qvalue	# 1
10) Phenol	6.46	94	29678	2.486 ng		95
19) n-Nitroso-di-n-propylamine	7.37	70	72064	9.802 ng	#	74
25) Isophorone	7.37	82	558187	30.702 ng	#	64
49) Dimethylphthalate	9.56	163	137996	7.260 ng		100
56) 2,4-Dinitrotoluene	9.85	165	30813	6.679 ng	#	23
76) Benzydine	12.93	184	9297	Below Cal		99

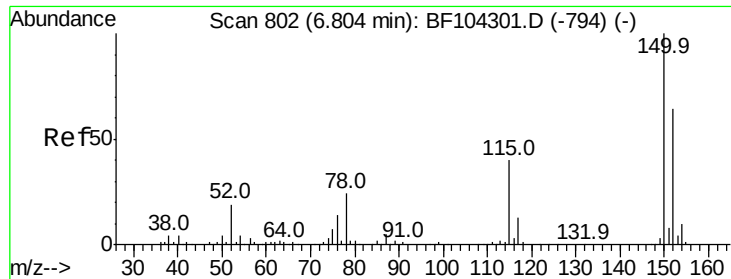
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.81 min Scan# 803

Delta R.T. -0.00 min

Lab File: BF104551.D

Acq: 16 Apr 2018 23:33

Instrument :

BNA_F

ClientSampleId :

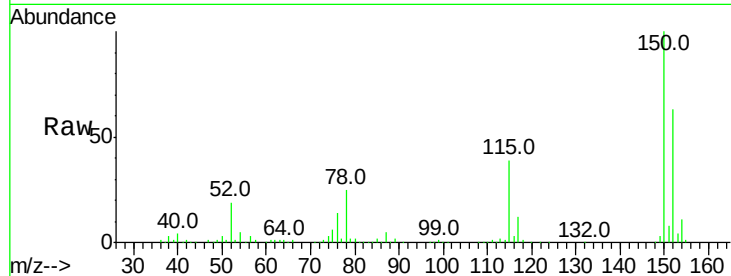
Tot Ion:152 Resp: 140010

Ion Ratio Lower Upper

152 100

150 158.6 124.6 186.8

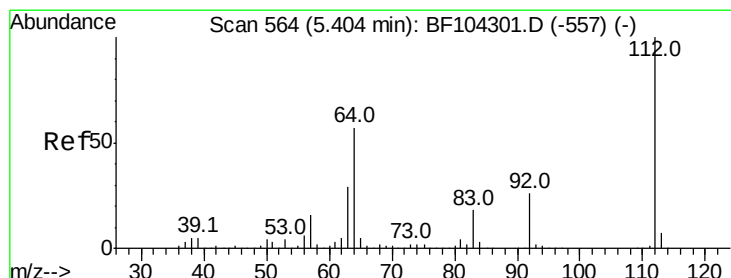
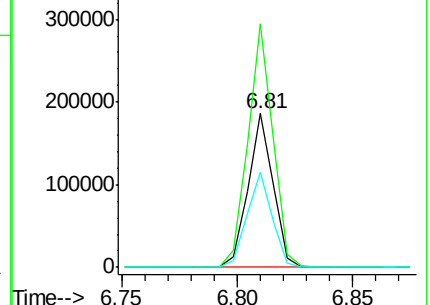
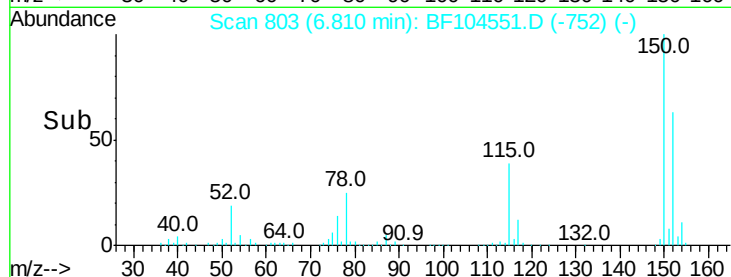
115 62.3 50.1 75.1



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: 14.854 ng

RT: 5.43 min Scan# 568

Delta R.T. 0.01 min

Lab File: BF104551.D

Acq: 16 Apr 2018 23:33

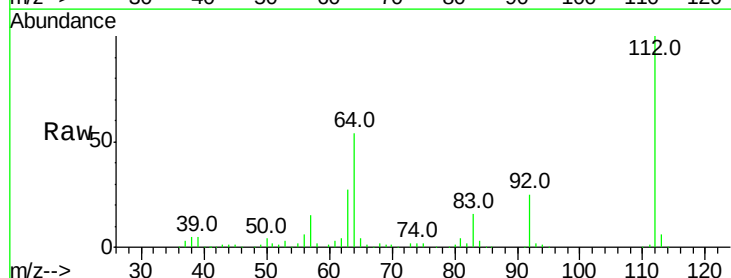
Tgt Ion:112 Resp: 136011

Ion Ratio Lower Upper

112 100

64 54.1 47.9 71.9

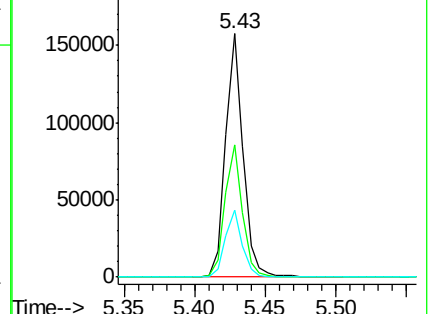
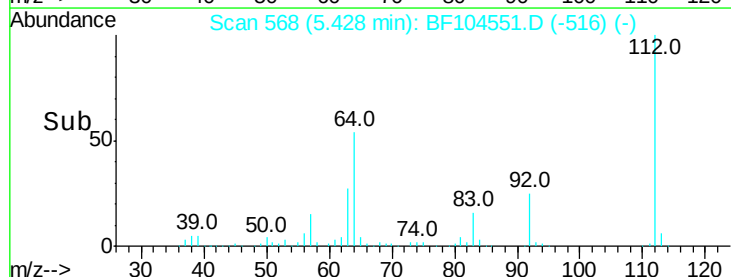
63 27.3 23.7 35.5

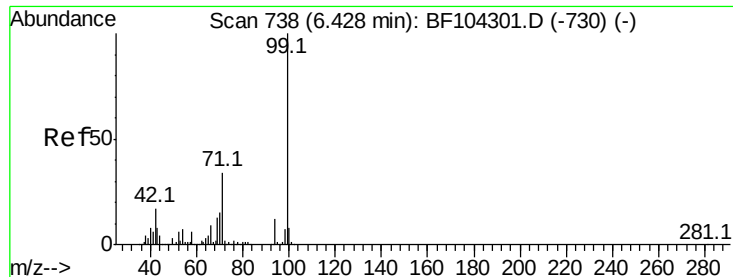


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 49.146 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF104551.D

Acq: 16 Apr 2018 23:33

Instrument :

BNA_F

ClientSampleId :

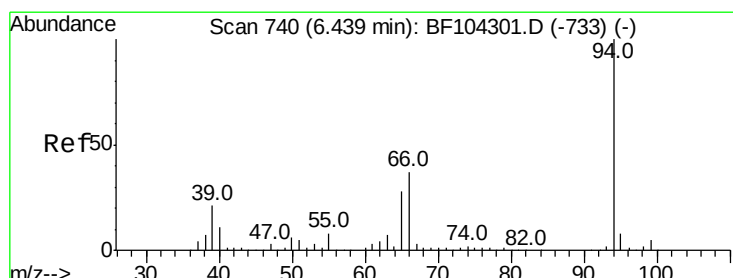
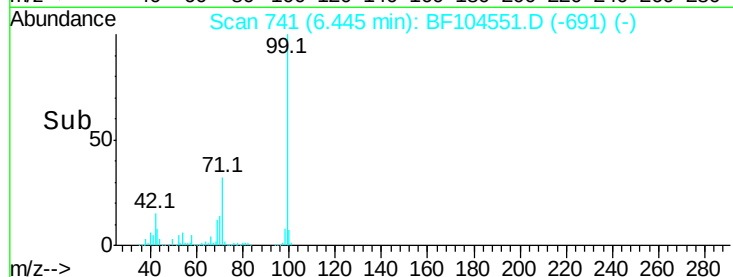
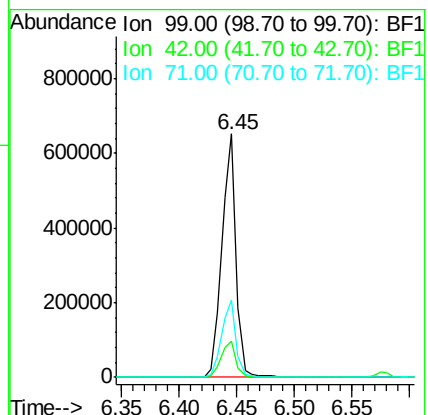
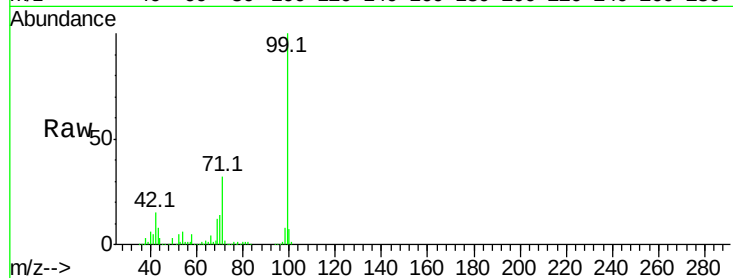
Tot Ion: 99 Resp: 552913

Ion Ratio Lower Upper

99 100

42 14.9 14.5 21.7

71 31.7 25.4 38.0



#10

Phenol

Concen: 2.486 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF104551.D

Acq: 16 Apr 2018 23:33

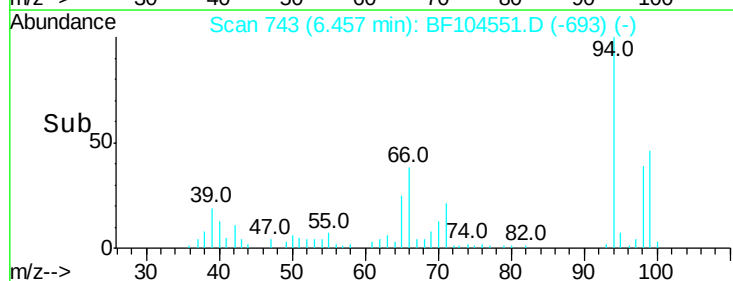
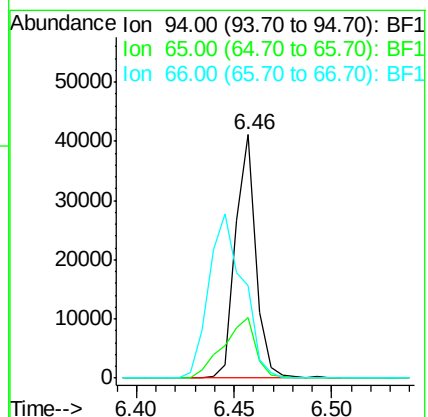
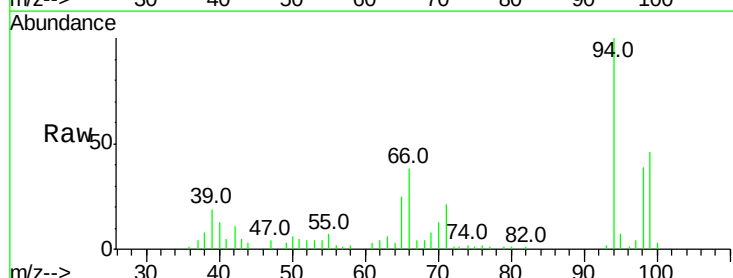
Tgt Ion: 94 Resp: 29678

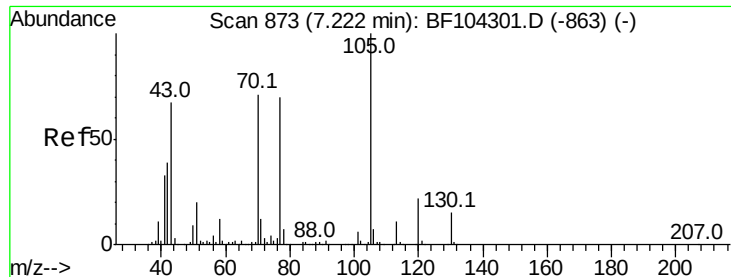
Ion Ratio Lower Upper

94 100

65 24.7 7.9 47.9

66 38.2 16.2 56.2





#19

n-Nitroso-di-n-propylamine

Concen: 9.802 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104551.D

Acq: 16 Apr 2018 23:33

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 72064

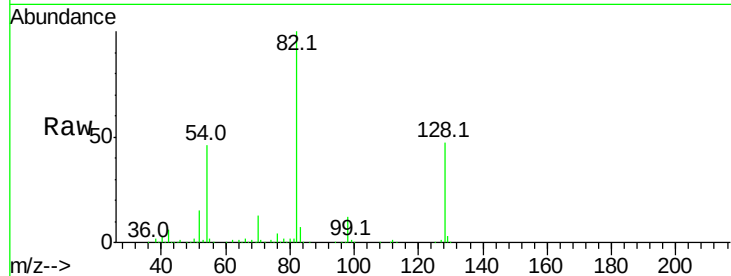
Ion Ratio Lower Upper

70 100

42 43.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

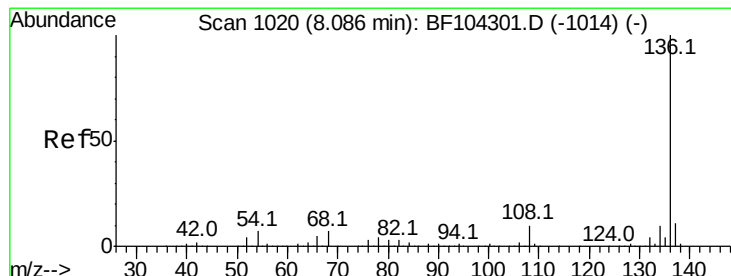
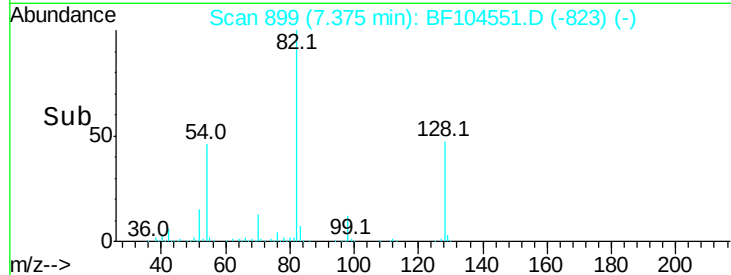
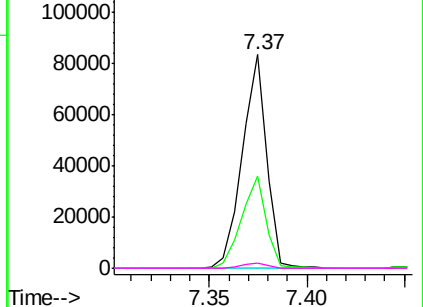


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.09 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BF104551.D

Acq: 16 Apr 2018 23:33

Tgt Ion:136 Resp: 561412

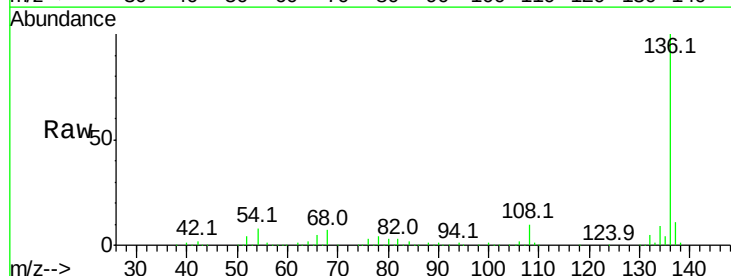
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.5 6.6 9.8

68 6.9 5.0 7.4

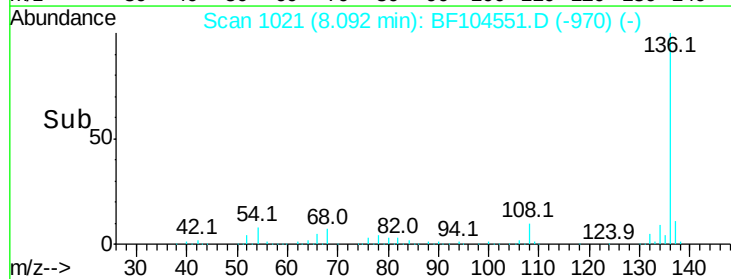
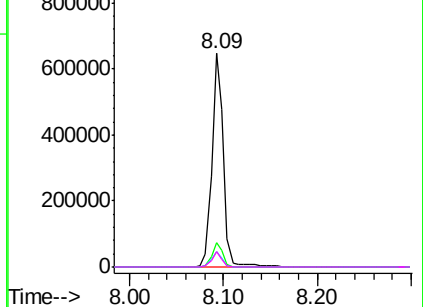


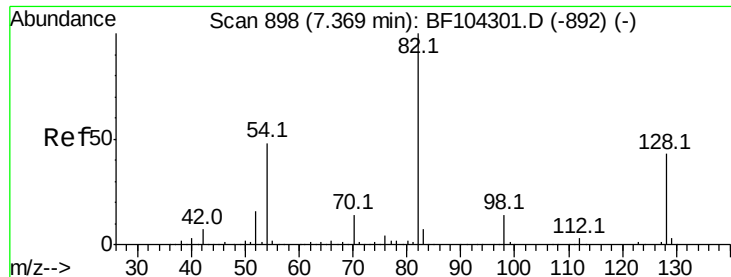
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





#23

Nitrobenzene-d5

Concen: 64.924 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF104551.D

Acq: 16 Apr 2018 23:33

Instrument :

BNA_F

ClientSampled :

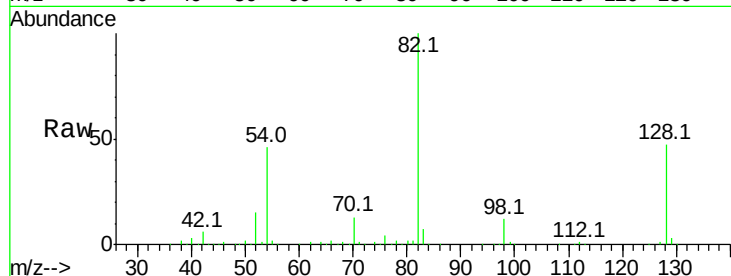
Tot Ion: 82 Resp: 558194

Ion Ratio Lower Upper

82 100

128 46.9 36.1 54.1

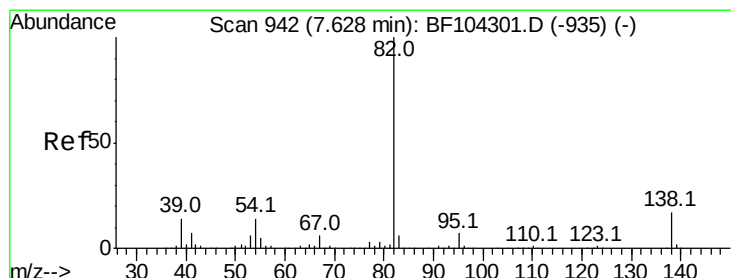
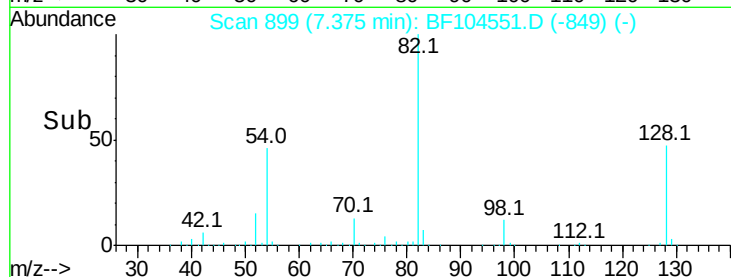
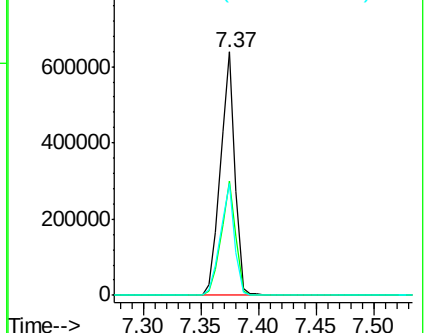
54 45.7 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 30.702 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF104551.D

Acq: 16 Apr 2018 23:33

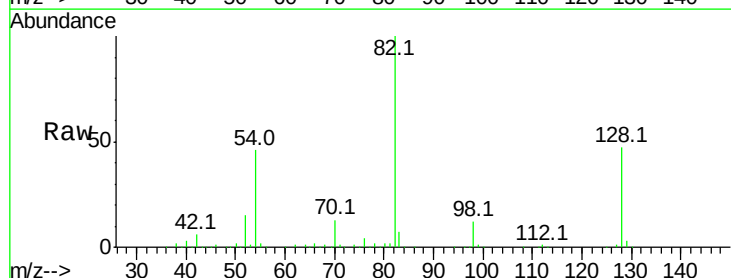
Tgt Ion: 82 Resp: 558187

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

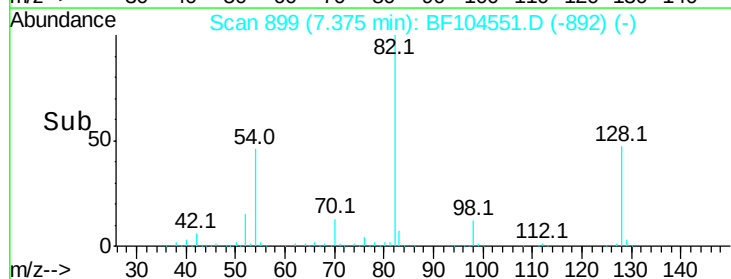
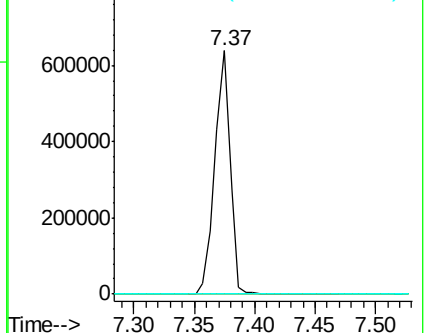
138 0.0 14.9 22.3#

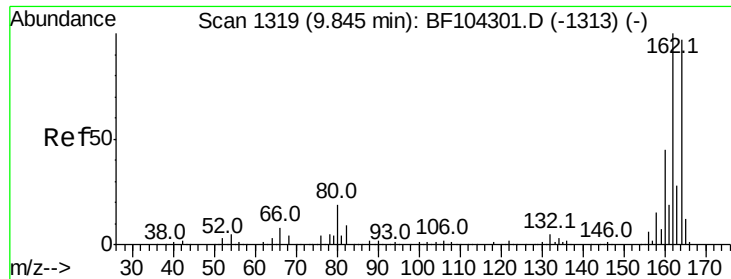


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

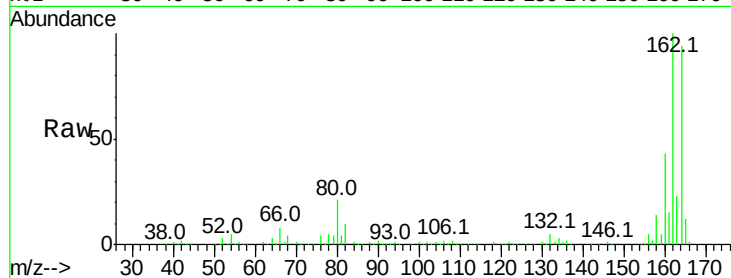




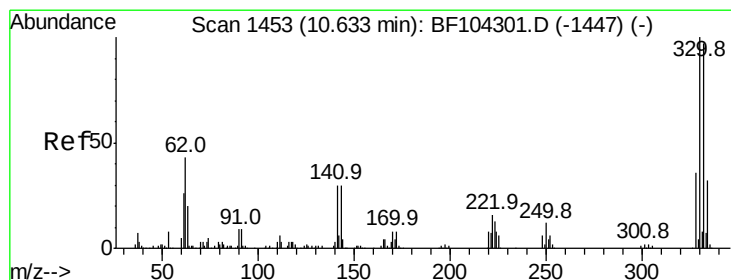
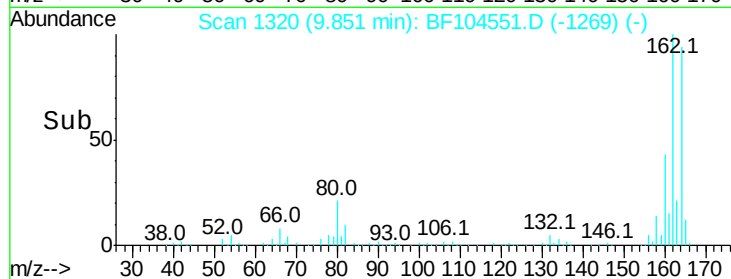
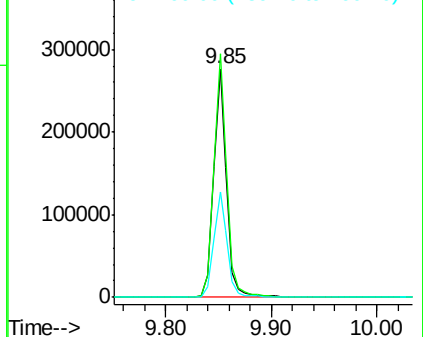
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: BF104551.D
 Acq: 16 Apr 2018 23:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	106.6	86.1	129.1
160	46.0	38.3	57.5

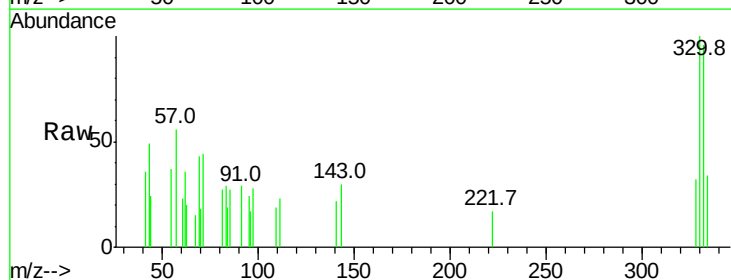


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

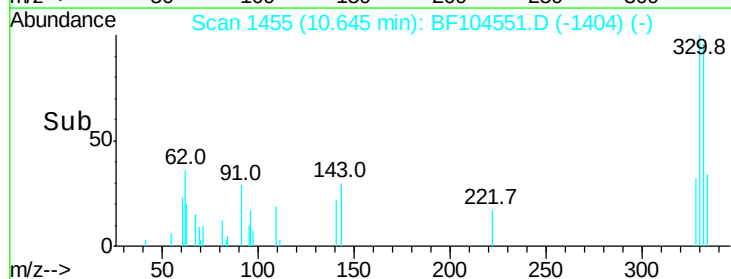
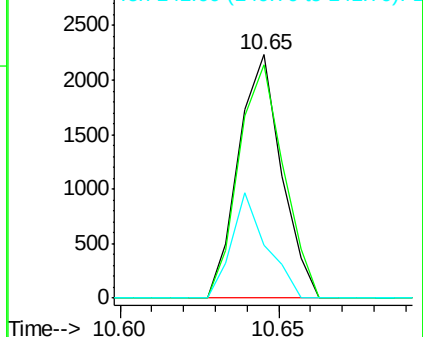


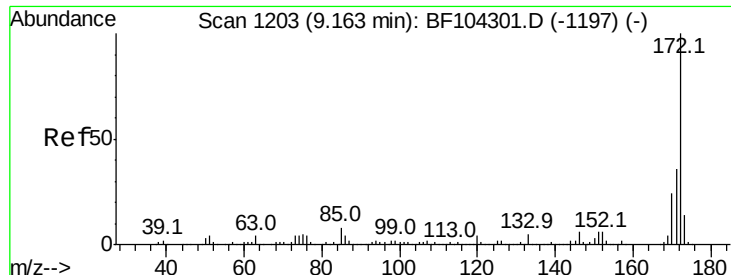
#41
 2,4,6-Tribromophenol
 Concen: 0.840 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.00 min
 Lab File: BF104551.D
 Acq: 16 Apr 2018 23:33

Tgt Ion	Ratio	Lower	Upper
330	100		
332	100.0	77.0	115.6
141	35.0	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



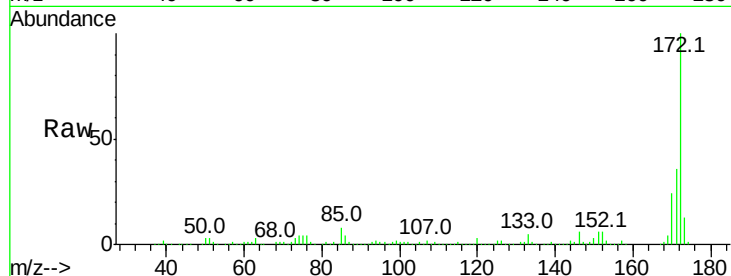


#44
 2-Fluorobiphenyl
 Concen: 66.714 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF104551.D
 Acq: 16 Apr 2018 23:33

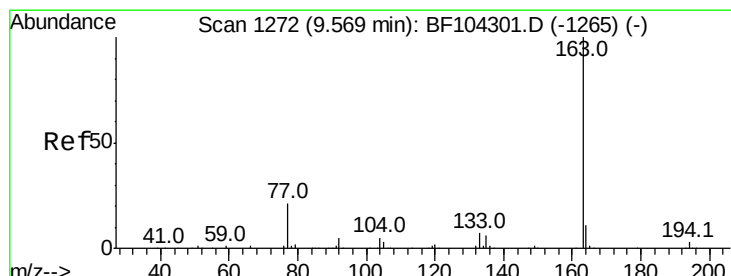
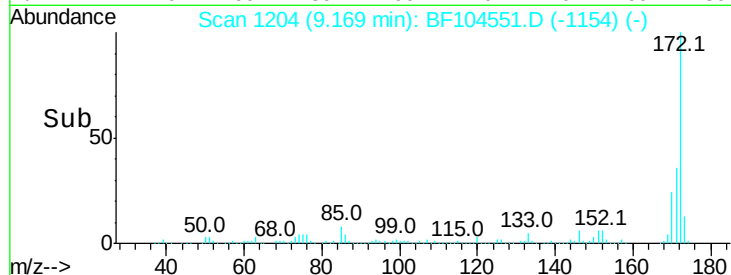
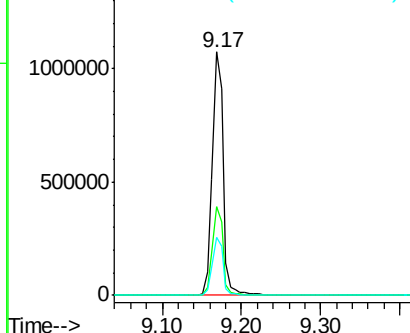
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1017948

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	23.7	19.6	29.4



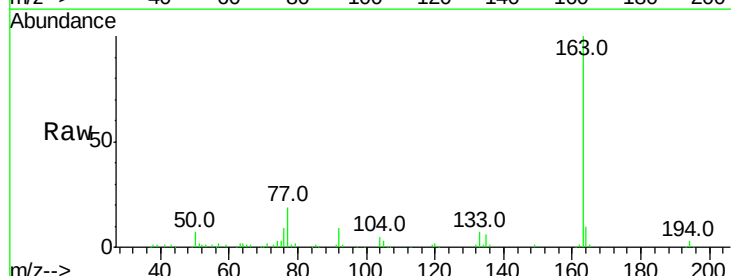
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



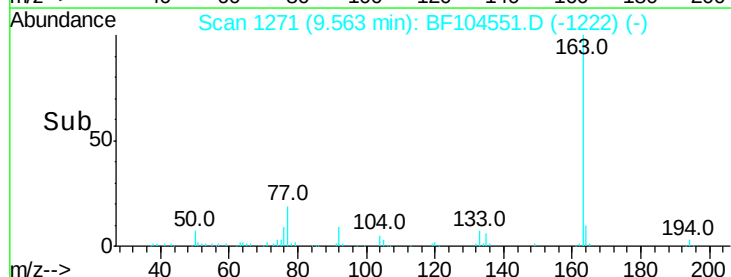
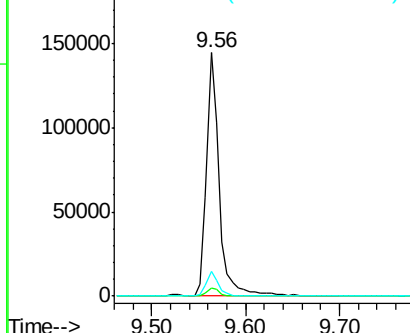
#49
 Dimethylphthalate
 Concen: 7.260 ng
 RT: 9.56 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: BF104551.D
 Acq: 16 Apr 2018 23:33

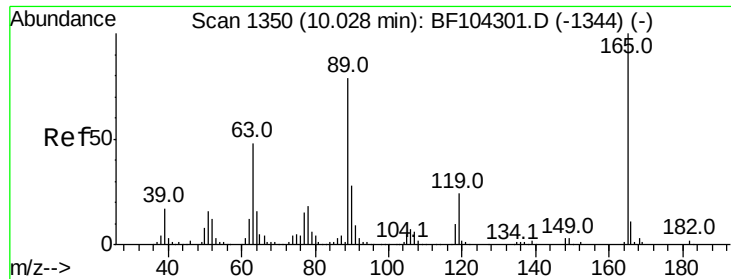
Tgt Ion:163 Resp: 137996

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	10.0	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

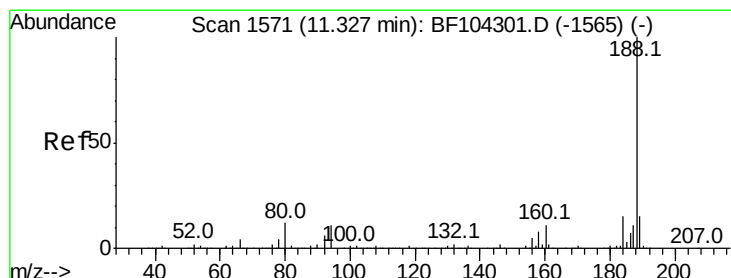
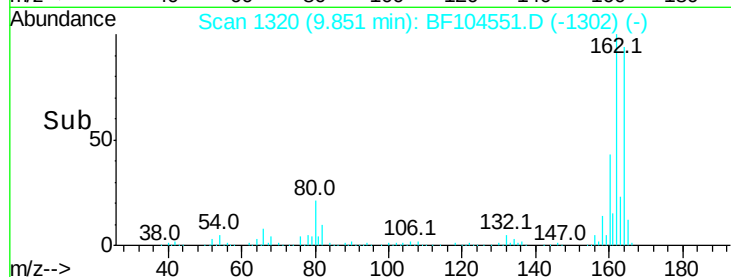
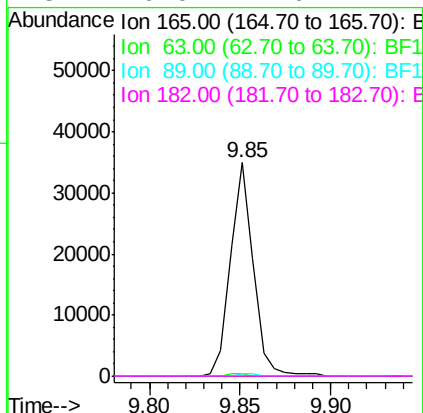
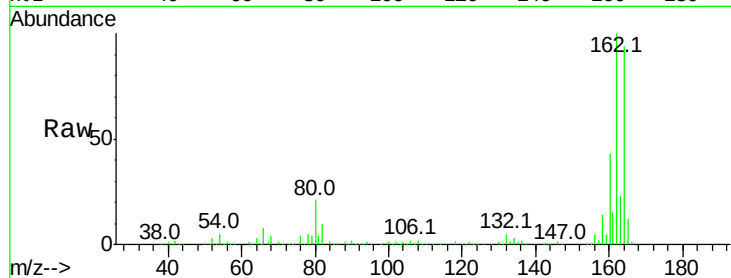




#56
 2,4-Dinitrotoluene
 Concen: 6.679 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF104551.D
 Acq: 16 Apr 2018 23:33

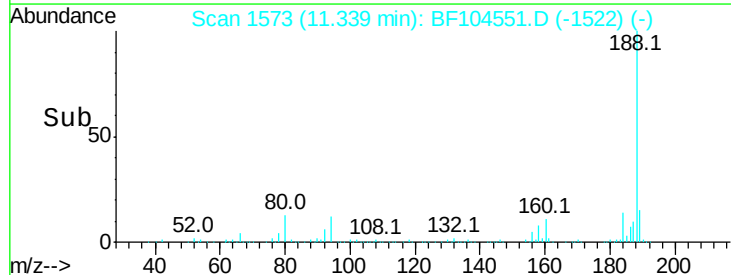
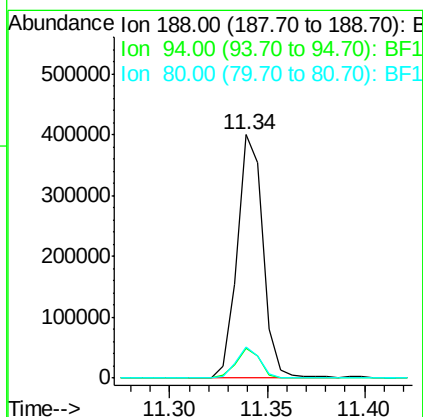
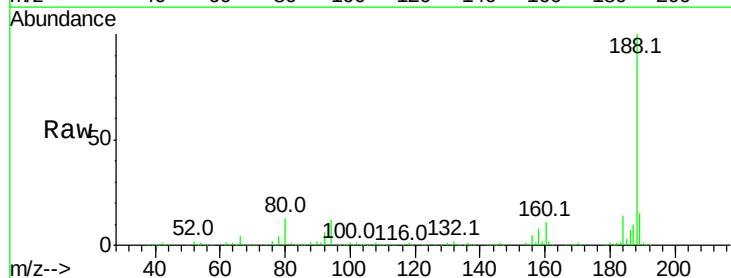
Instrument :
 BNA_F
 ClientSampled :

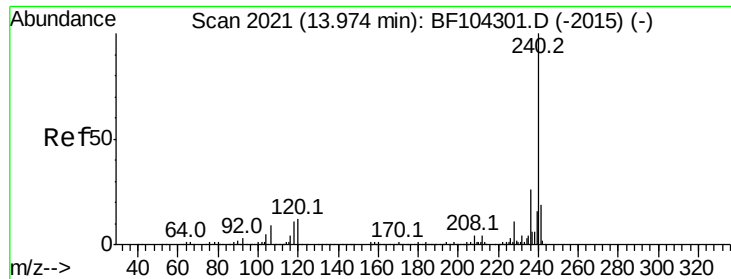
Tot Ion:165 Resp: 30813
 Ion Ratio Lower Upper
 165 100
 63 1.0 36.4 54.6#
 89 1.4 57.8 86.6#
 182 0.0 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: BF104551.D
 Acq: 16 Apr 2018 23:33

Tgt Ion:188 Resp: 366159
 Ion Ratio Lower Upper
 188 100
 94 12.3 8.5 12.7
 80 12.9 9.2 13.8





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF104551.D

Acq: 16 Apr 2018 23:33

Instrument :

BNA_F

ClientSampleId :

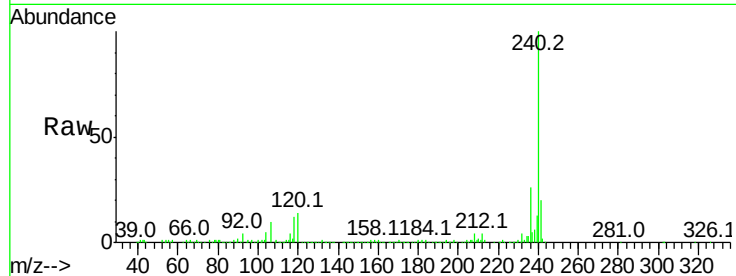
Tot Ion:240 Resp: 265893

Ion Ratio Lower Upper

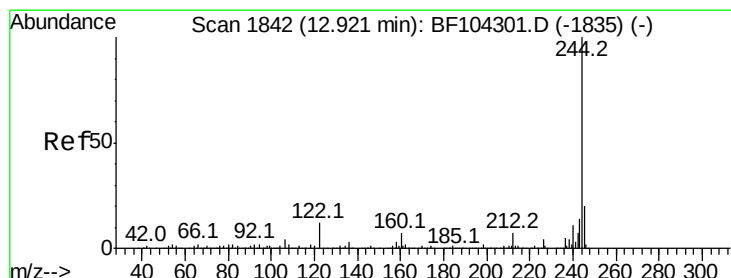
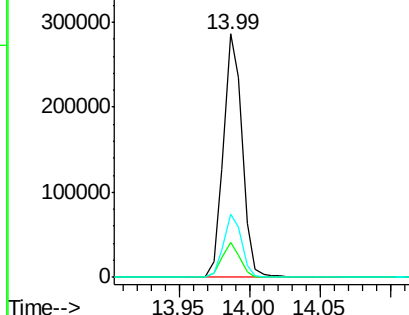
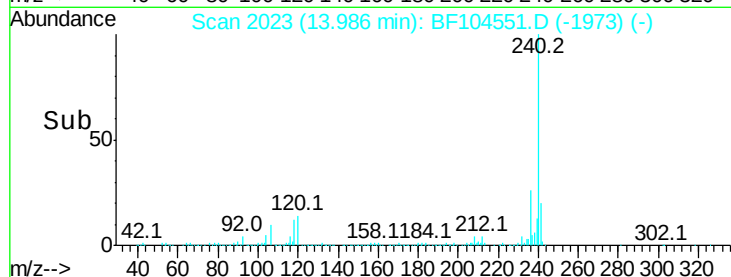
240 100

120 14.4 9.5 14.3#

236 26.1 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: 62.143 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.01 min

Lab File: BF104551.D

Acq: 16 Apr 2018 23:33

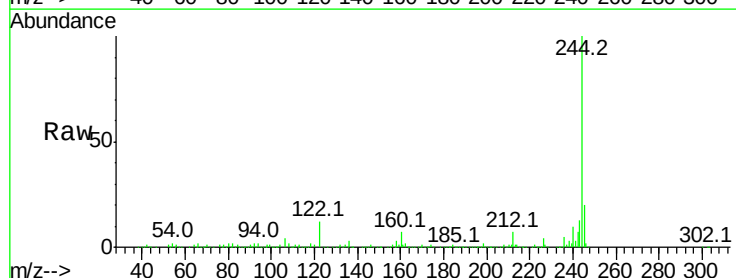
Tgt Ion:244 Resp: 724762

Ion Ratio Lower Upper

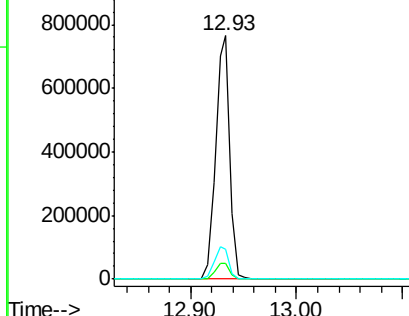
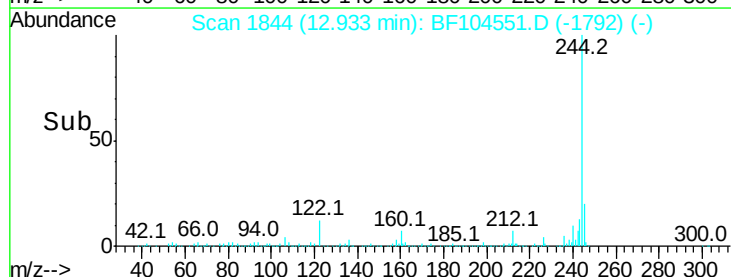
244 100

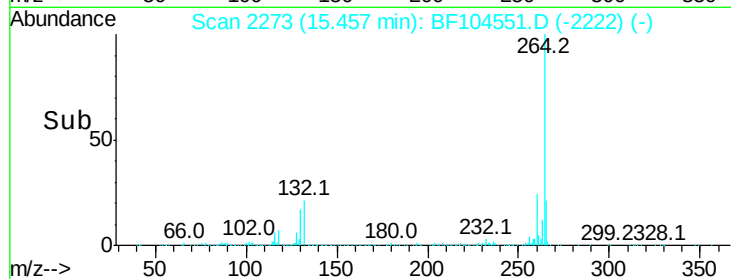
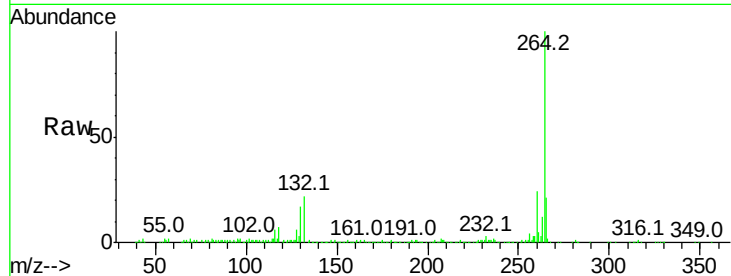
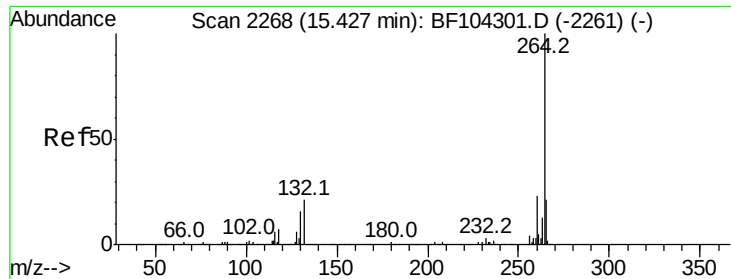
212 6.7 5.4 8.0

122 12.1 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: 15.46 min Scan# 2273
Delta R.T. -0.00 min
Lab File: BF104551.D
Acq: 16 Apr 2018 23:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.0	17.5	26.3

