

Data Path : Z:\HPCHEM1\BNA F\DATA\BF033017\
 Data File : BF094065.D
 Acq On : 30 Mar 2017 18:36
 Operator : SJ/MA
 Sample : I2384-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-B42-B51-001

Quant Time: Mar 31 01:50:10 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 27 16:10:49 2017
 Response via : Initial Calibration

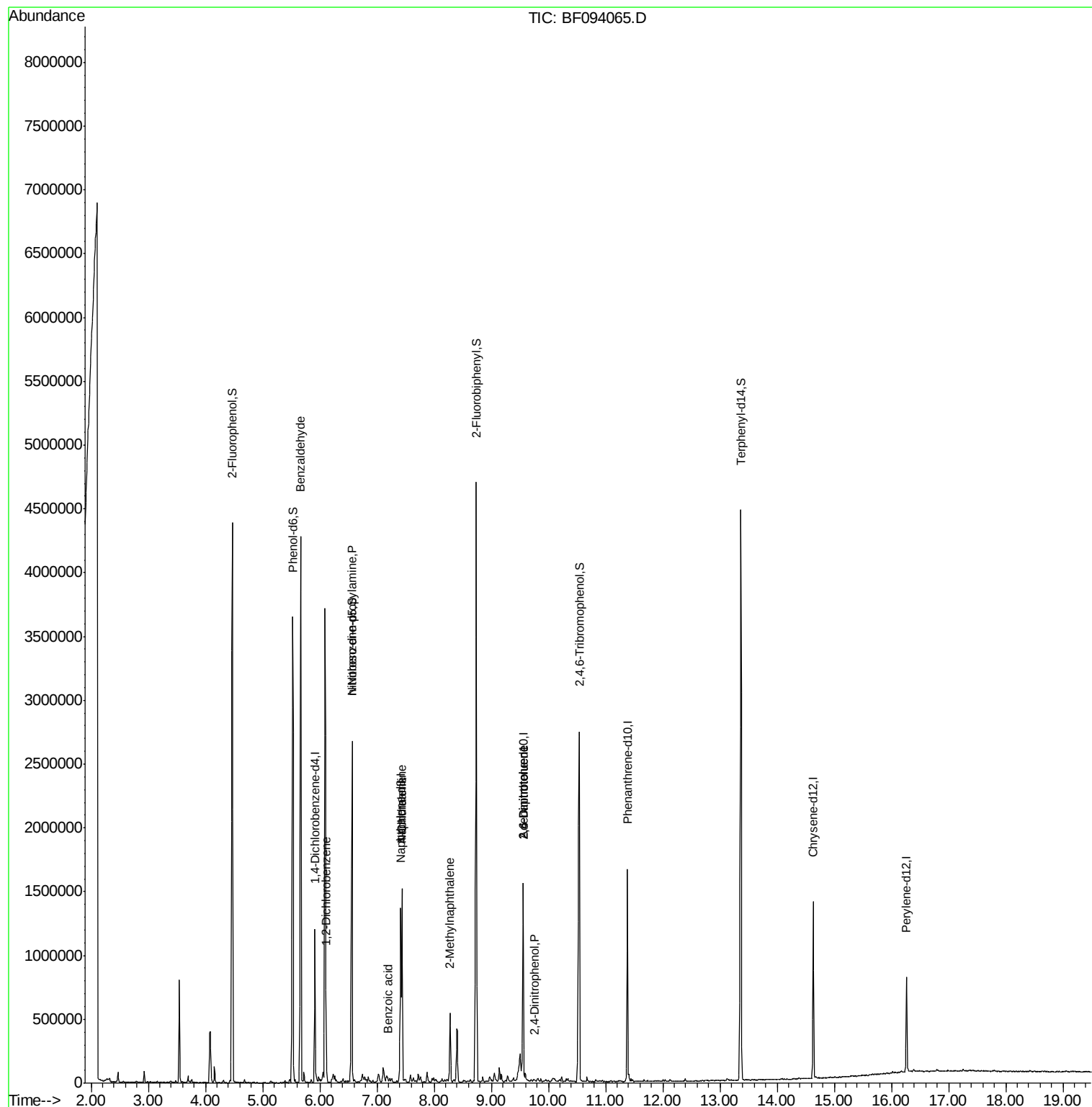
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.91	152	191667	20.00	ng	-0.04
21) Naphthalene-d8	7.42	136	772875	20.00	ng	-0.04
38) Acenaphthene-d10	9.56	164	371346	20.00	ng	-0.04
63) Phenanthrene-d10	11.38	188	677748	20.00	ng	-0.04
75) Chrysene-d12	14.63	240	529375	20.00	ng	-0.05
86) Perylene-d12	16.26	264	291491	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	4.47	112	1389921	122.48	ng	0.00
7) Phenol-d6	5.53	99	1716832	122.30	ng	-0.02
23) Nitrobenzene-d5	6.56	82	1181604	87.25	ng	-0.04
41) 2,4,6-Tribromophenol	10.54	330	462950	157.76	ng	-0.04
44) 2-Fluorobiphenyl	8.74	172	2216573	91.04	ng	-0.04
78) Terphenyl-d14	13.37	244	1921669	81.37	ng	-0.04
Target Compounds						
9) Benzaldehyde	5.66	77	32019	3.38	ng	Qvalue 82
14) 1,2-Dichlorobenzene	6.11	146	86766	6.65	ng	95
19) n-Nitroso-di-n-propylamine	6.56	70	157546	17.46	ng	# 76
31) Naphthalene	7.44	128	801641	21.57	ng	99
32) Benzoic acid	7.19	122	15638	2.14	ng	# 17
33) 4-Chloroaniline	7.44	127	105132	6.98	ng	# 31
37) 2-Methylnaphthalene	8.28	142	183545	7.41	ng	98
50) 2,6-Dinitrotoluene	9.56	165	48969	8.09	ng	# 34
53) 2,4-Dinitrophenol	9.76	184	658	4.85	ng	# 4
56) 2,4-Dinitrotoluene	9.56	165	48969	6.44	ng	# 34

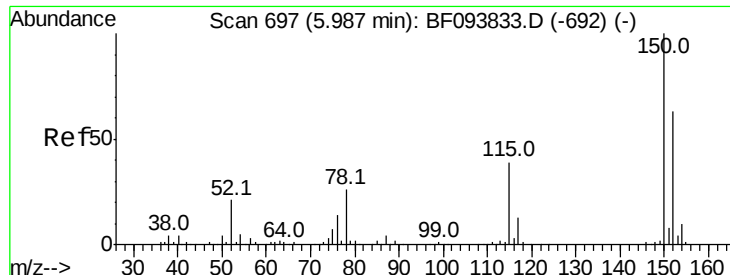
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Mar 27 16:10:49 2017
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.91 min Scan# 684

Delta R.T. -0.04 min

Lab File: BF094065.D

Acq: 30 Mar 2017 18:36

Instrument :

BNA_F

ClientSampleId :

WC-B42-B51-001

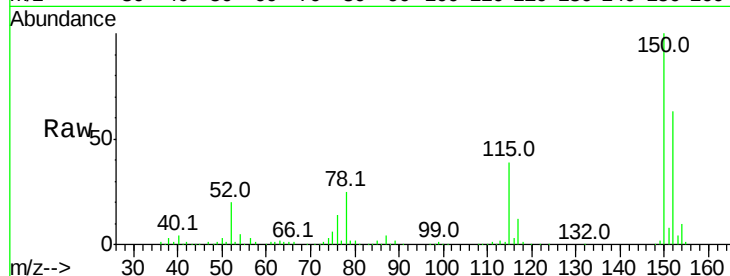
Tot Ion:152 Resp: 191667

Ion Ratio Lower Upper

152 100

150 158.8 126.2 189.2

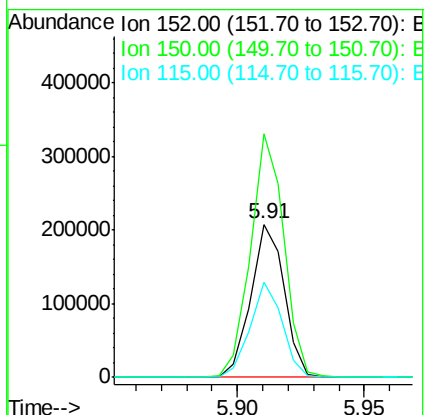
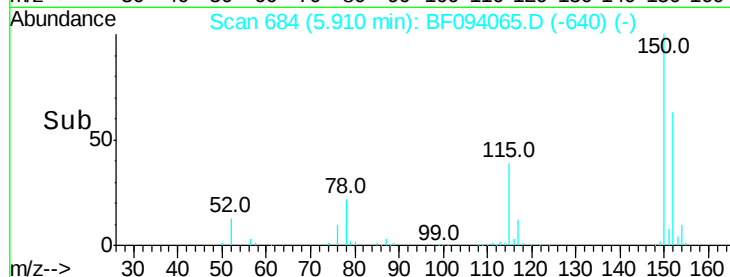
115 62.0 52.2 78.2



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: 122.48 ng

RT: 4.47 min Scan# 439

Delta R.T. -0.01 min

Lab File: BF094065.D

Acq: 30 Mar 2017 18:36

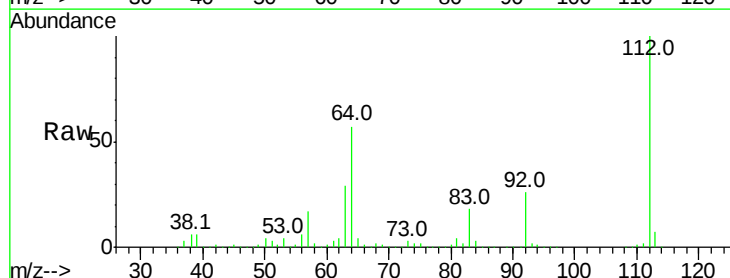
Tgt Ion:112 Resp: 1389921

Ion Ratio Lower Upper

112 100

64 57.0 46.0 69.0

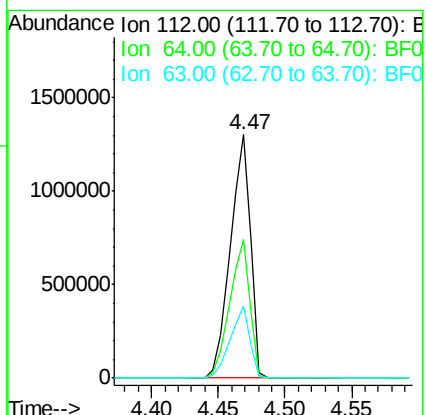
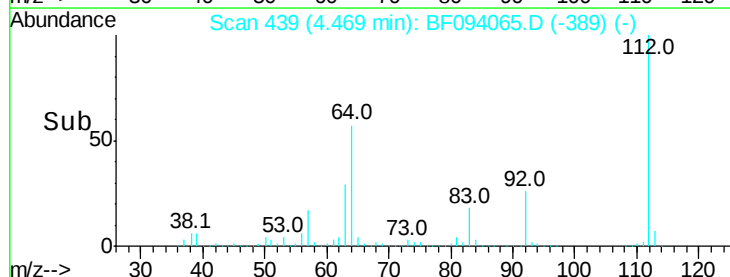
63 29.4 23.4 35.0

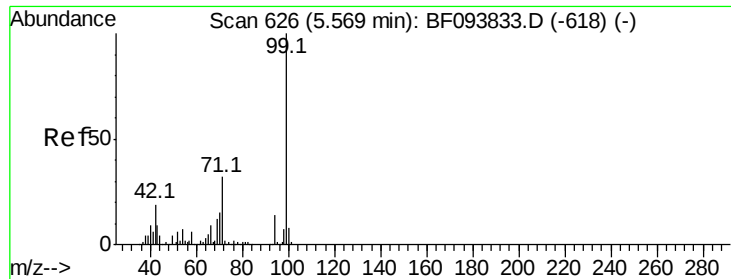


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 122.30 ng

RT: 5.53 min Scan# 619

Delta R.T. -0.02 min

Lab File: BF094065.D

Acq: 30 Mar 2017 18:36

Instrument :

BNA_F

ClientSampleId :

WC-B42-B51-001

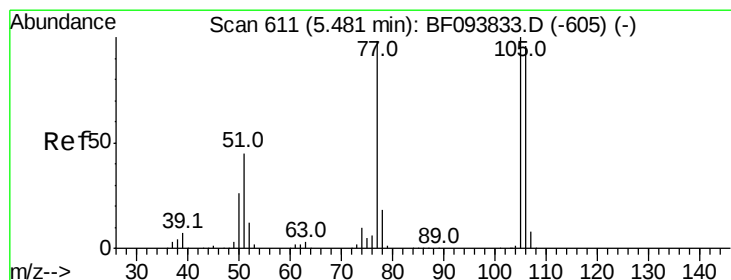
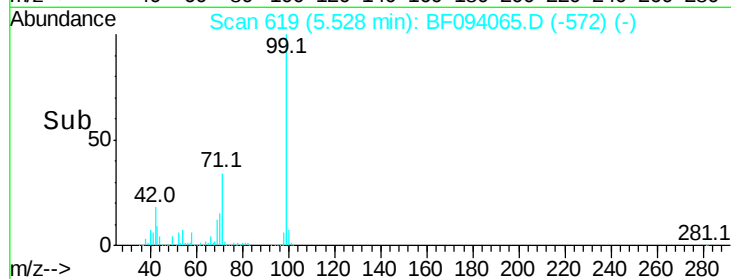
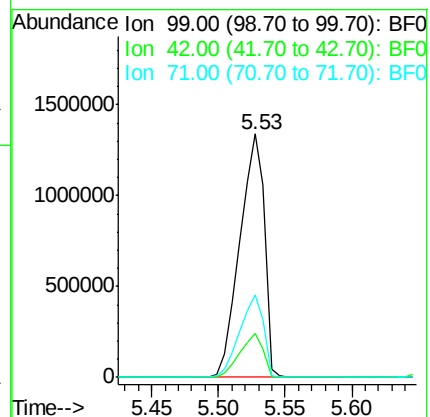
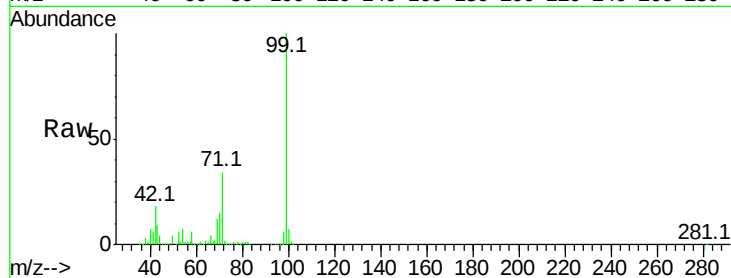
Tot Ion: 99 Resp: 1716832

Ion Ratio Lower Upper

99 100

42 18.2 13.5 20.3

71 33.9 24.5 36.7



#9

Benzaldehyde

Concen: 3.38 ng

RT: 5.66 min Scan# 642

Delta R.T. 0.22 min

Lab File: BF094065.D

Acq: 30 Mar 2017 18:36

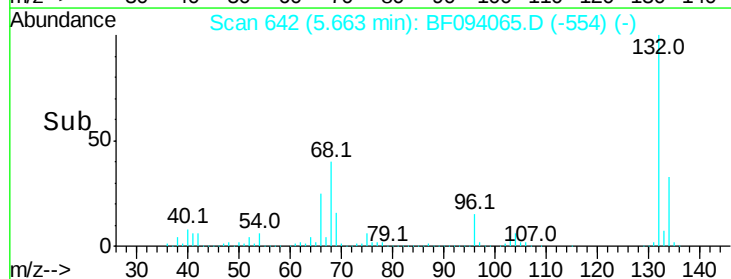
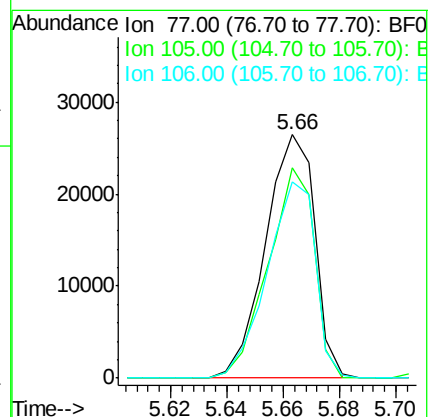
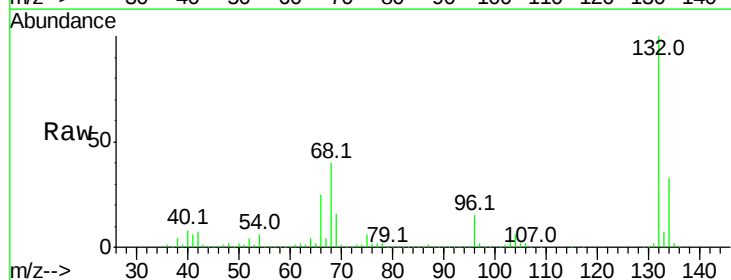
Tgt Ion: 77 Resp: 32019

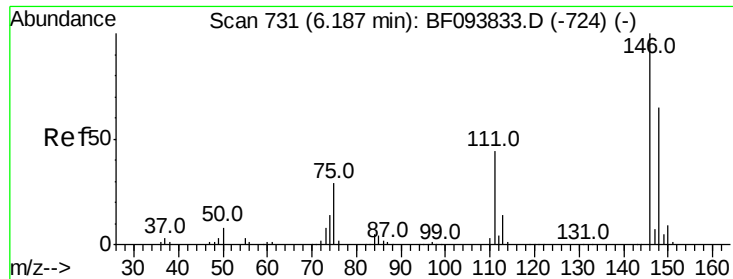
Ion Ratio Lower Upper

77 100

105 86.2 83.8 123.8

106 80.5 79.1 119.1





#14

1,2-Dichlorobenzene

Concen: 6.65 ng

RT: 6.11 min Scan# 718

Delta R.T. -0.04 min

Lab File: BF094065.D

Acq: 30 Mar 2017 18:36

Instrument :

BNA_F

ClientSampleId :

WC-B42-B51-001

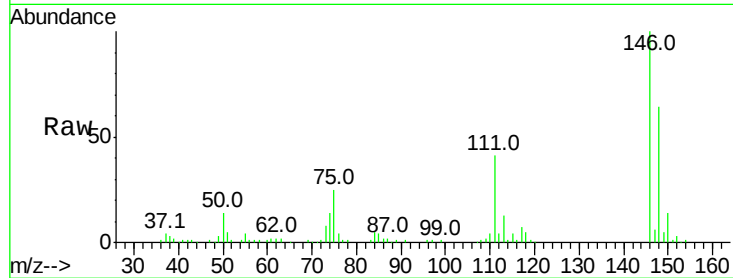
Tot Ion:146 Resp: 86766

Ion Ratio Lower Upper

146 100

148 64.1 50.4 75.6

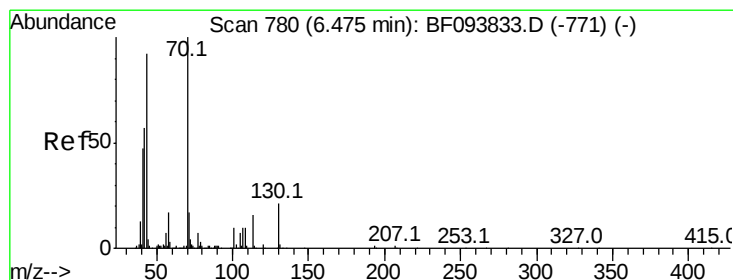
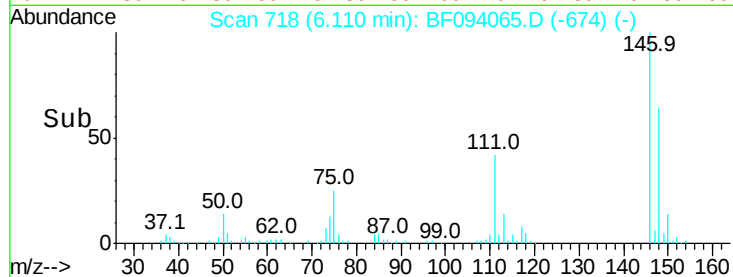
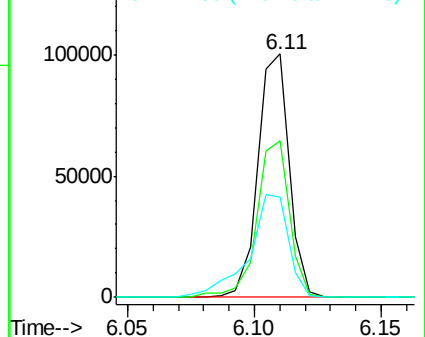
111 41.4 38.2 57.4



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#19

n-Nitroso-di-n-propylamine

Concen: 17.46 ng

RT: 6.56 min Scan# 795

Delta R.T. 0.12 min

Lab File: BF094065.D

Acq: 30 Mar 2017 18:36

Tgt Ion: 70 Resp: 157546

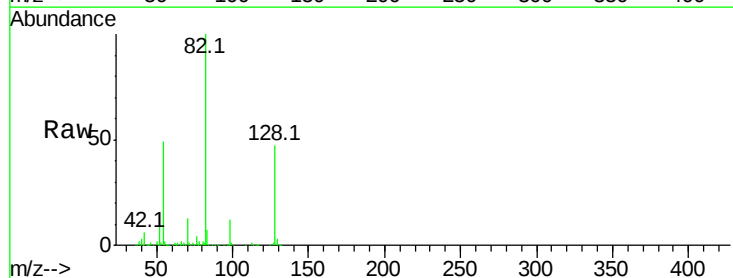
Ion Ratio Lower Upper

70 100

42 45.1 47.2 70.8#

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#

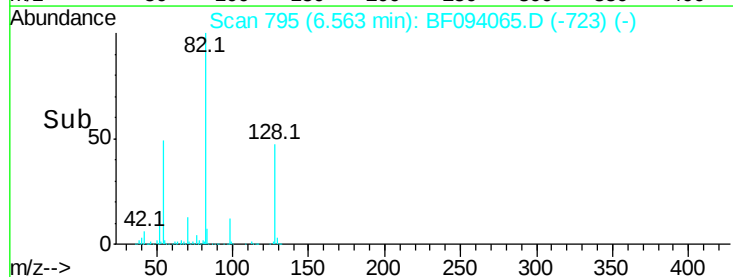
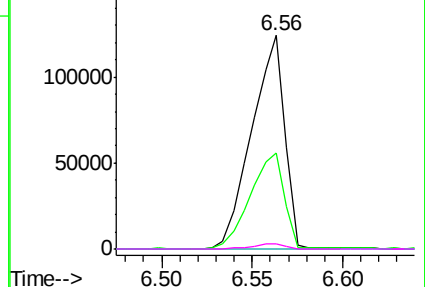


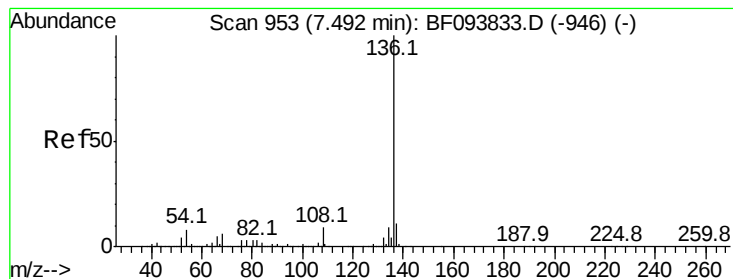
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.42 min Scan# 940

Delta R.T. -0.04 min

Lab File: BF094065.D

Acq: 30 Mar 2017 18:36

Instrument :

BNA_F

ClientSampleId :

WC-B42-B51-001

Tot Ion:136 Resp: 772875

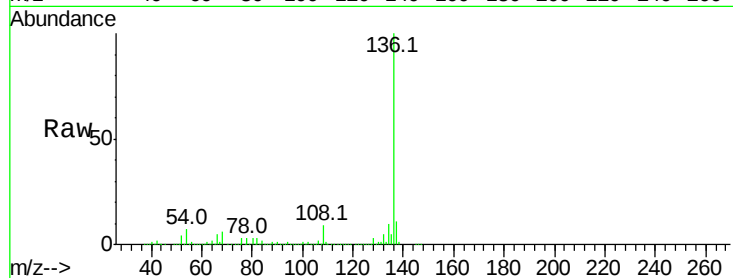
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 7.0 4.9 7.3

68 5.8 4.1 6.1

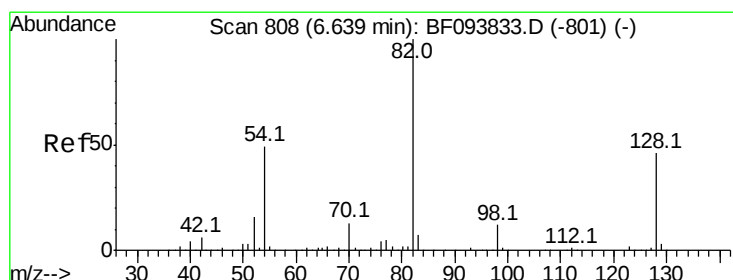
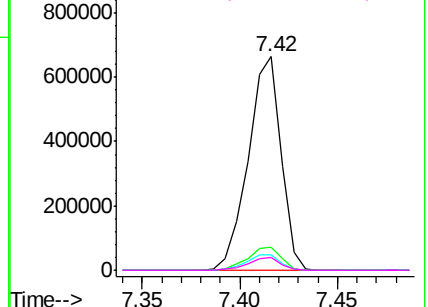
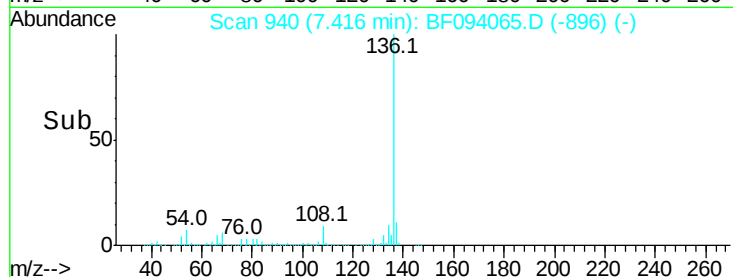


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 87.25 ng

RT: 6.56 min Scan# 795

Delta R.T. -0.04 min

Lab File: BF094065.D

Acq: 30 Mar 2017 18:36

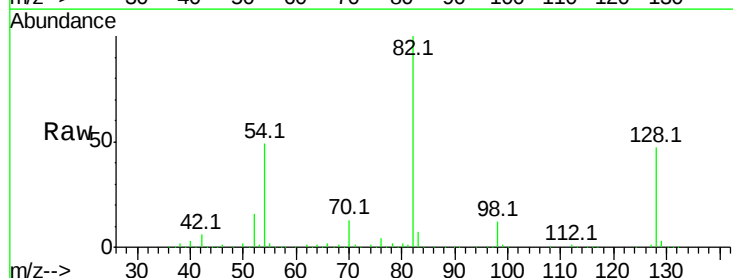
Tgt Ion: 82 Resp: 1181604

Ion Ratio Lower Upper

82 100

128 46.6 34.0 51.0

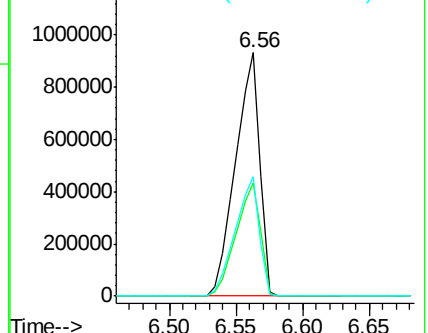
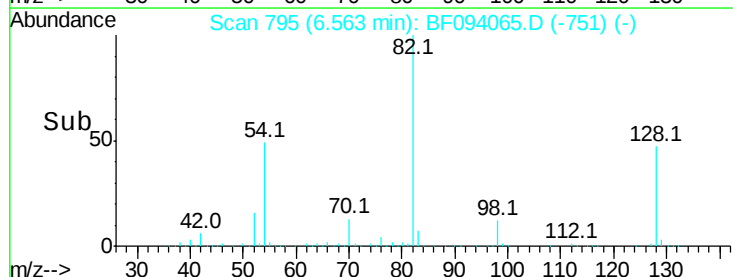
54 49.0 42.2 63.2

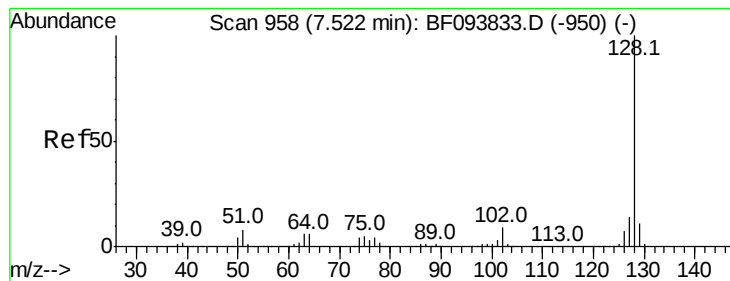


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 21.57 ng

RT: 7.44 min Scan# 944

Delta R.T. -0.05 min

Lab File: BF094065.D

Acq: 30 Mar 2017 18:36

Instrument :

BNA_F

ClientSampleId :

WC-B42-B51-001

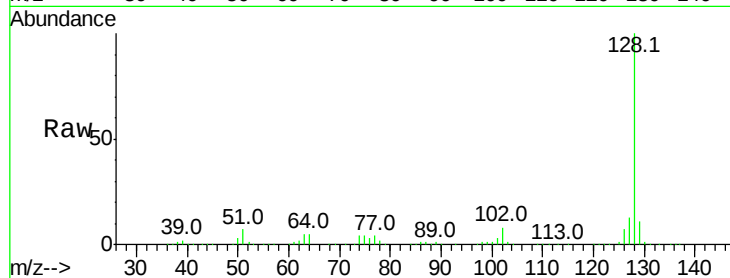
Tot Ion:128 Resp: 801641

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.6

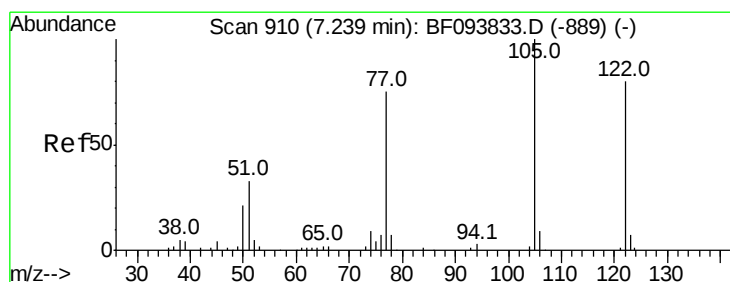
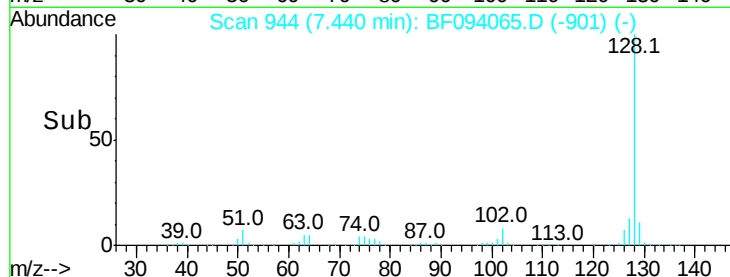
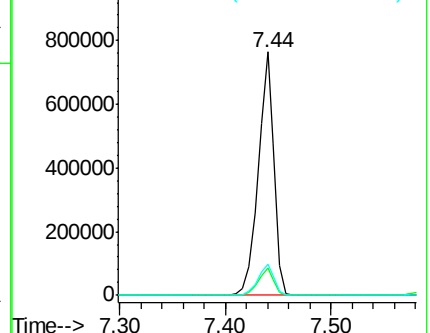
127 13.0 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 2.14 ng

RT: 7.19 min Scan# 901

Delta R.T. -0.03 min

Lab File: BF094065.D

Acq: 30 Mar 2017 18:36

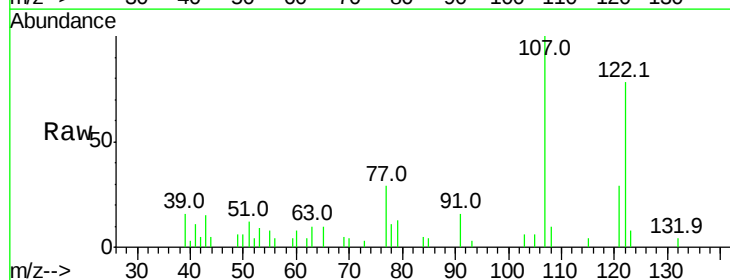
Tgt Ion:122 Resp: 15638

Ion Ratio Lower Upper

122 100

105 7.9 103.3 143.3#

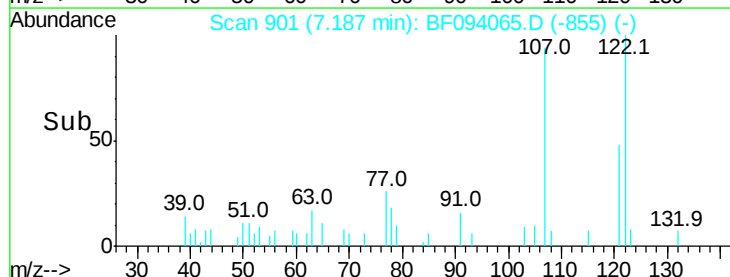
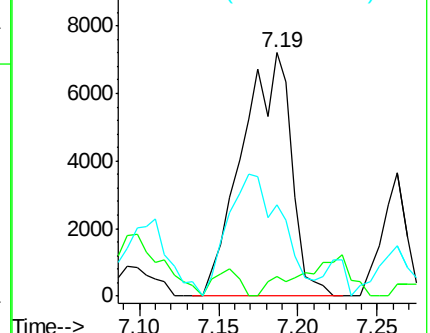
77 37.6 73.7 113.7#

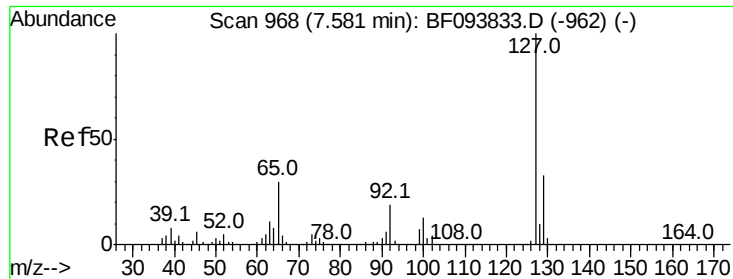


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

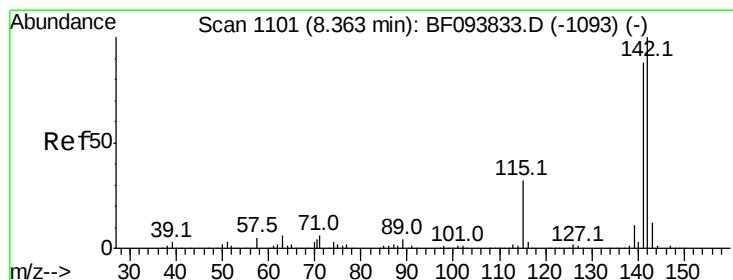
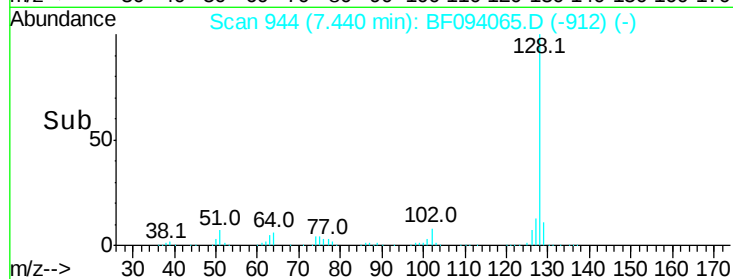
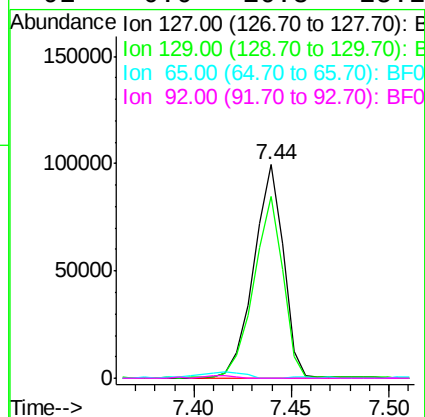
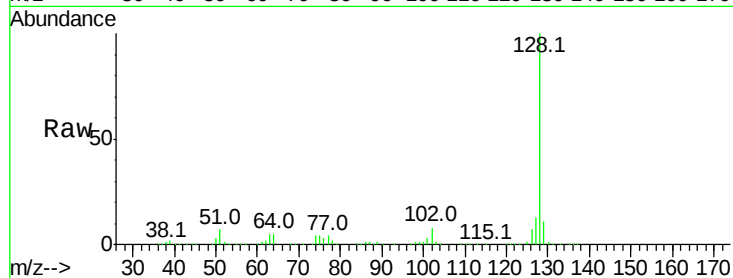




#33
4-Chloroaniline
Concen: 6.98 ng
RT: 7.44 min Scan# 944
Delta R.T. -0.11 min
Lab File: BF094065.D
Acq: 30 Mar 2017 18:36

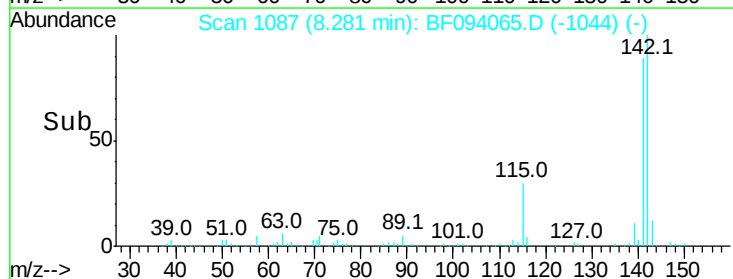
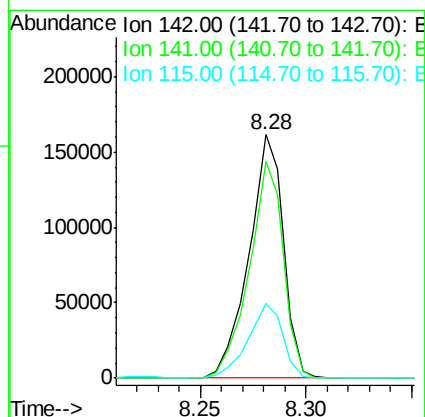
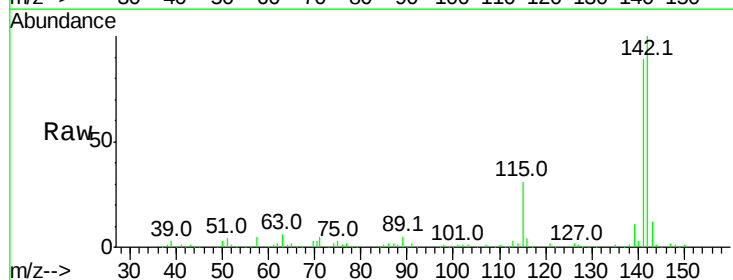
Instrument :
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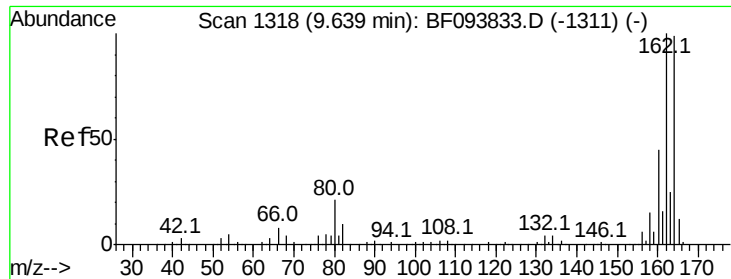
Tot Ion:	127	Resp:	105132
Ion	Ratio	Lower	Upper
127	100		
129	85.1	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#



#37
2-Methylnaphthalene
Concen: 7.41 ng
RT: 8.28 min Scan# 1087
Delta R.T. -0.05 min
Lab File: BF094065.D
Acq: 30 Mar 2017 18:36

Tgt Ion:	142	Resp:	183545
Ion	Ratio	Lower	Upper
142	100		
141	88.8	71.3	106.9
115	30.9	27.1	40.7

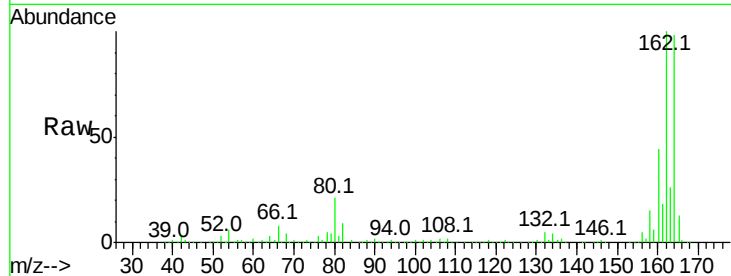




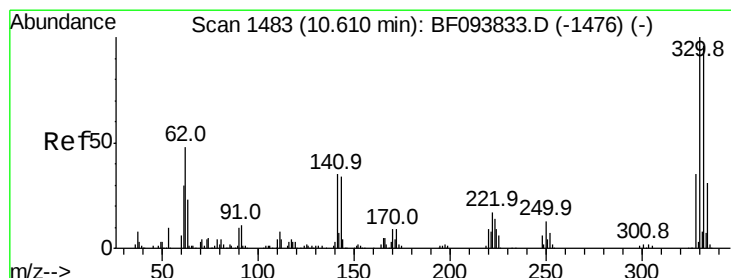
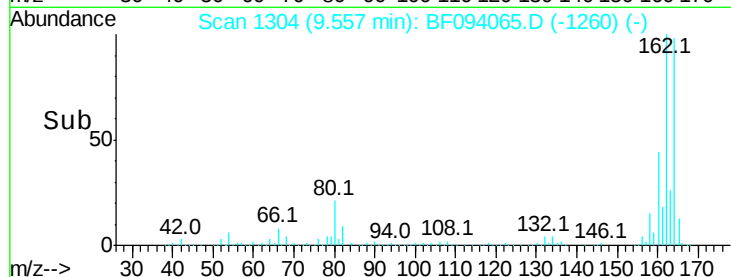
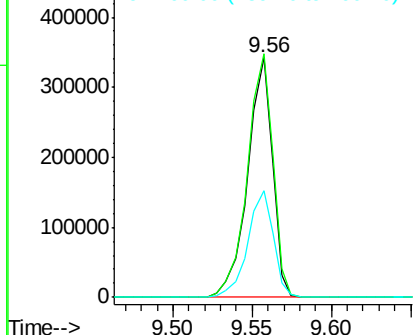
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.56 min Scan# 1304
Delta R.T. -0.04 min
Lab File: BF094065.D
Acq: 30 Mar 2017 18:36

Instrument :
BNA_F
ClientSampleId :
WC-B42-B51-001

Tot Ion:164 Resp: 371346
Ion Ratio Lower Upper
164 100
162 101.7 82.6 123.8
160 44.7 36.2 54.2

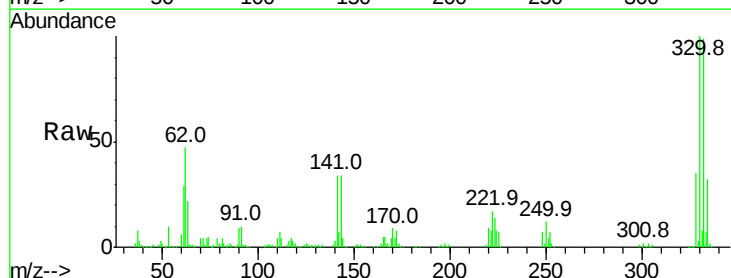


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

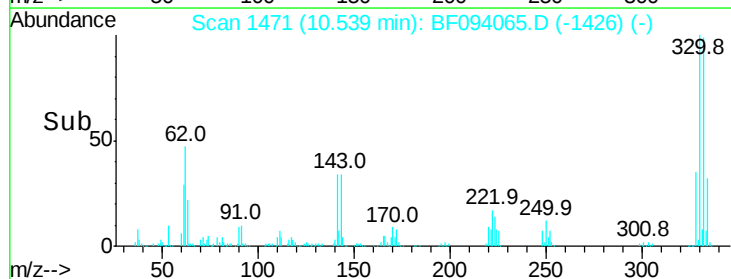
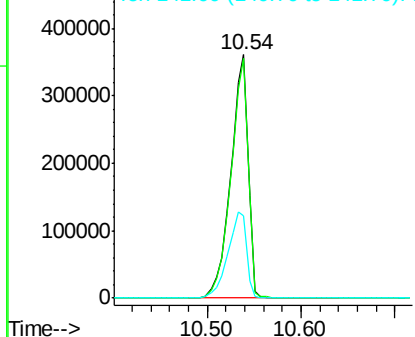


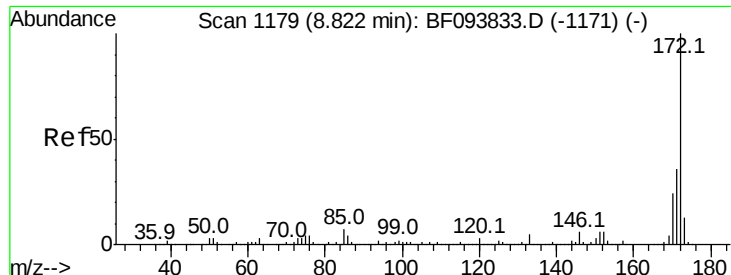
#41
2,4,6-Tribromophenol
Concen: 157.76 ng
RT: 10.54 min Scan# 1471
Delta R.T. -0.04 min
Lab File: BF094065.D
Acq: 30 Mar 2017 18:36

Tgt Ion:330 Resp: 462950
Ion Ratio Lower Upper
330 100
332 97.8 76.6 115.0
141 38.0 31.4 47.2



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

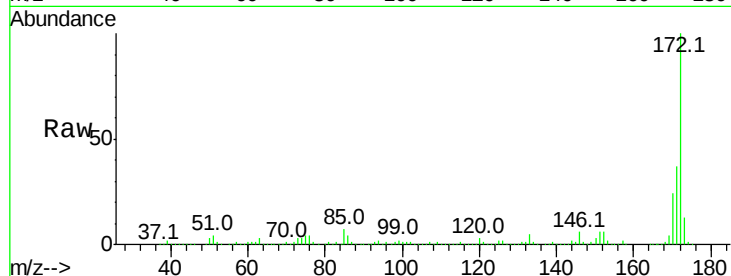




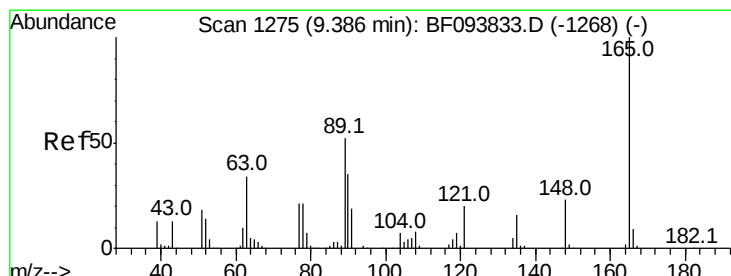
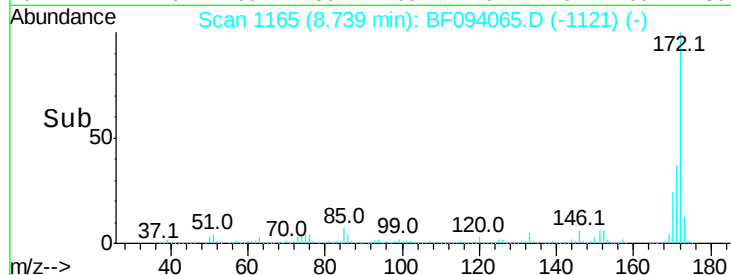
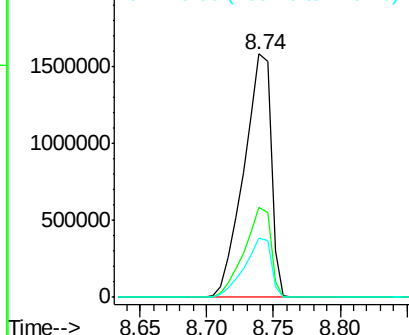
#44
 2-Fluorobiphenyl
 Concen: 91.04 ng
 RT: 8.74 min Scan# 1165
 Delta R.T. -0.04 min
 Lab File: BF094065.D
 Acq: 30 Mar 2017 18:36

Instrument :
 BNA_F
 ClientSampleId :
 WC-B42-B51-001

Tot Ion:172 Resp: 2216573
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.6 44.4
 170 24.3 19.8 29.8

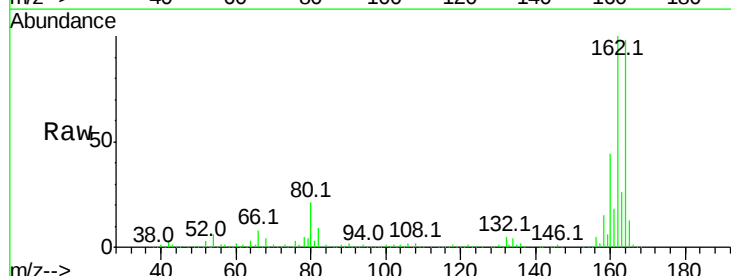


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

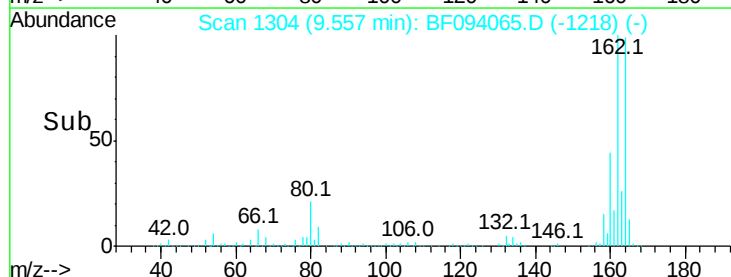
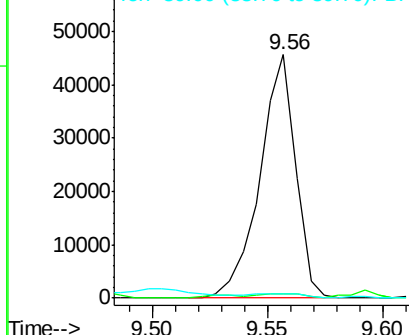


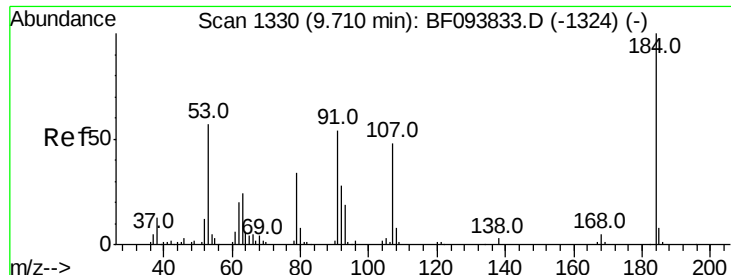
#50
 2,6-Dinitrotoluene
 Concen: 8.09 ng
 RT: 9.56 min Scan# 1304
 Delta R.T. 0.21 min
 Lab File: BF094065.D
 Acq: 30 Mar 2017 18:36

Tgt Ion:165 Resp: 48969
 Ion Ratio Lower Upper
 165 100
 63 1.9 34.3 51.5#
 89 1.8 37.1 55.7#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

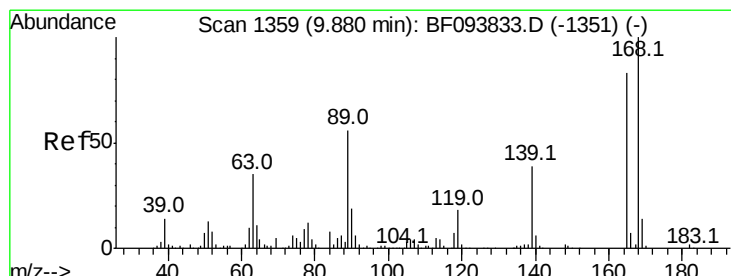
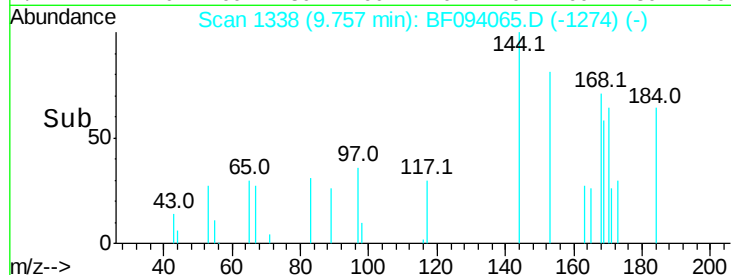
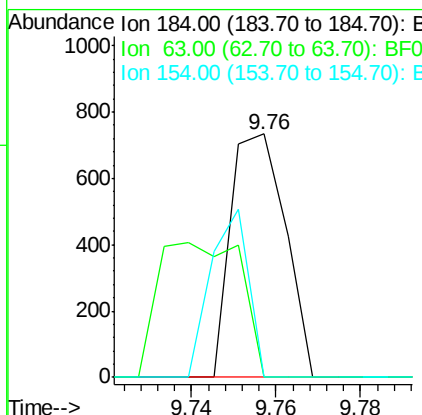
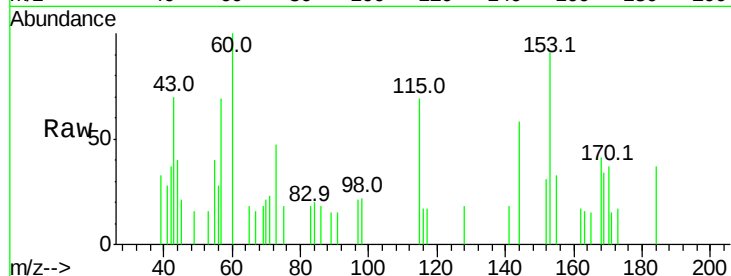




#53
 2,4-Dinitrophenol
 Concen: 4.85 ng
 RT: 9.76 min Scan# 1338
 Delta R.T. 0.08 min
 Lab File: BF094065.D
 Acq: 30 Mar 2017 18:36

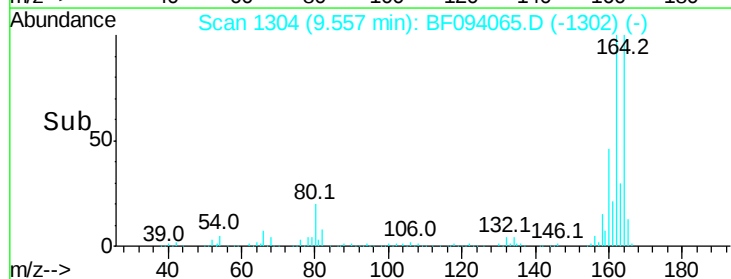
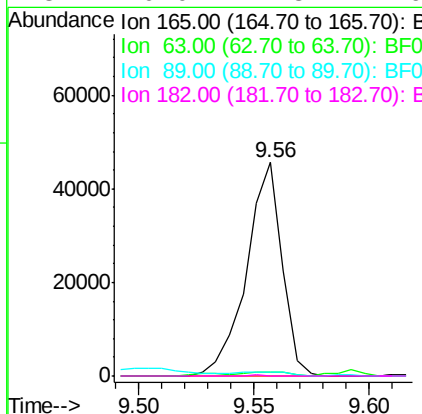
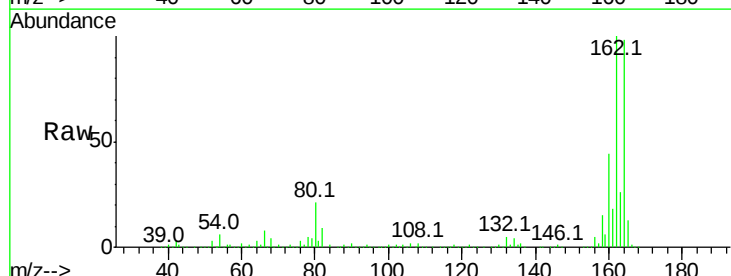
Instrument :
 BNA_F
 ClientSampleId :
 WC-B42-B51-001

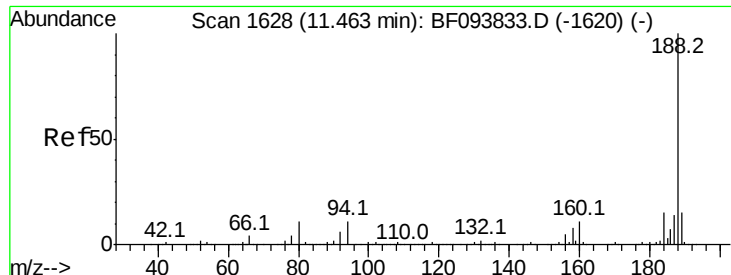
Tot Ion:184 Resp: 658
 Ion Ratio Lower Upper
 184 100
 63 0.0 62.7 94.1#
 154 0.0 81.1 121.7#



#56
 2,4-Dinitrotoluene
 Concen: 6.44 ng
 RT: 9.56 min Scan# 1304
 Delta R.T. -0.29 min
 Lab File: BF094065.D
 Acq: 30 Mar 2017 18:36

Tgt Ion:165 Resp: 48969
 Ion Ratio Lower Upper
 165 100
 63 1.9 25.4 38.0#
 89 1.8 46.4 69.6#
 182 0.0 1.8 2.6#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.38 min Scan# 1614

Delta R.T. -0.04 min

Lab File: BF094065.D

Acq: 30 Mar 2017 18:36

Instrument :

BNA_F

ClientSampleId :

WC-B42-B51-001

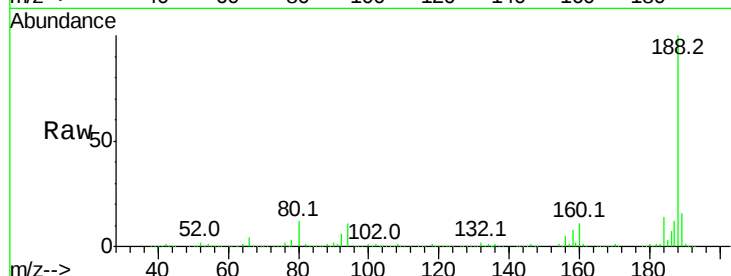
Tot Ion:188 Resp: 677748

Ion Ratio Lower Upper

188 100

94 10.9 9.4 14.2

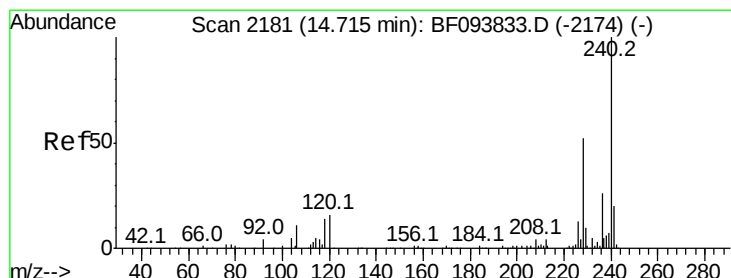
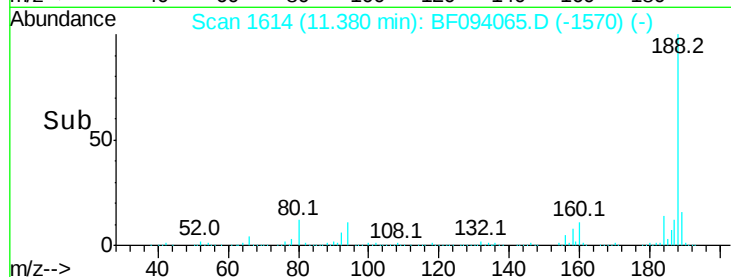
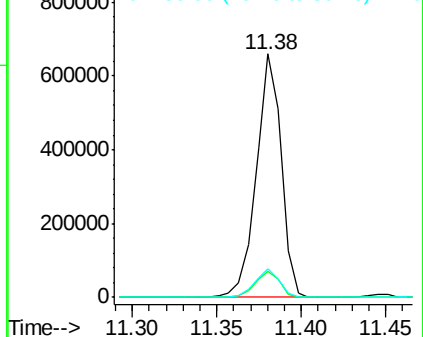
80 11.7 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.63 min Scan# 2167

Delta R.T. -0.05 min

Lab File: BF094065.D

Acq: 30 Mar 2017 18:36

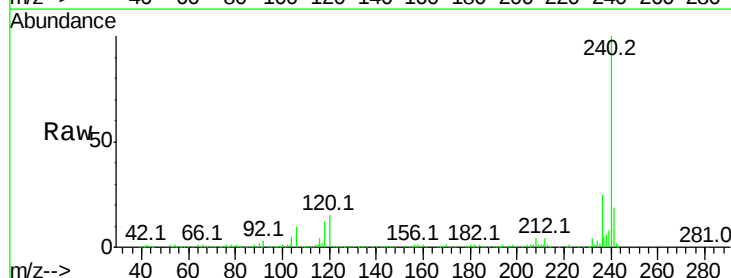
Tgt Ion:240 Resp: 529375

Ion Ratio Lower Upper

240 100

120 14.7 5.8 8.8#

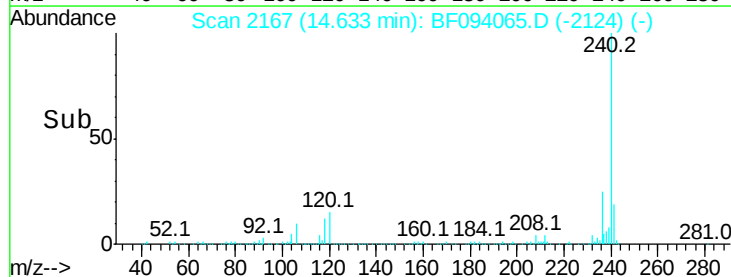
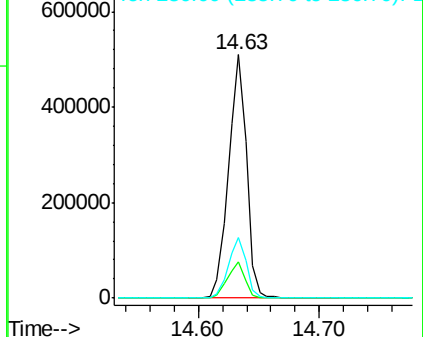
236 25.0 20.5 30.7

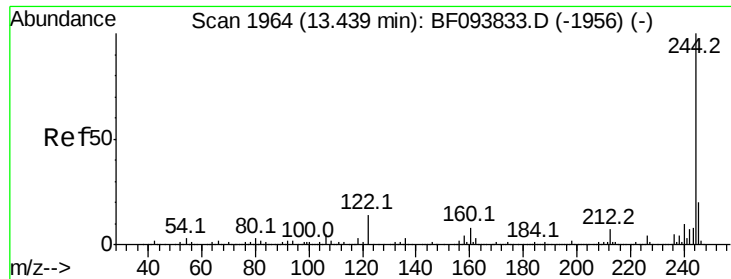


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

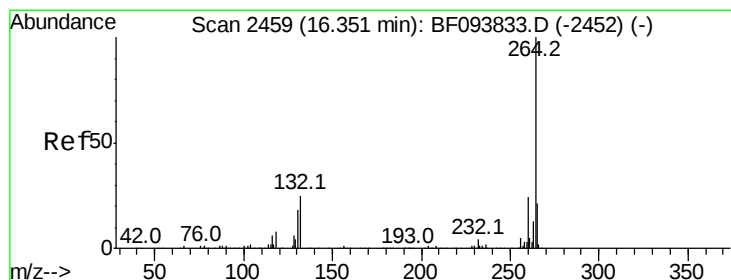
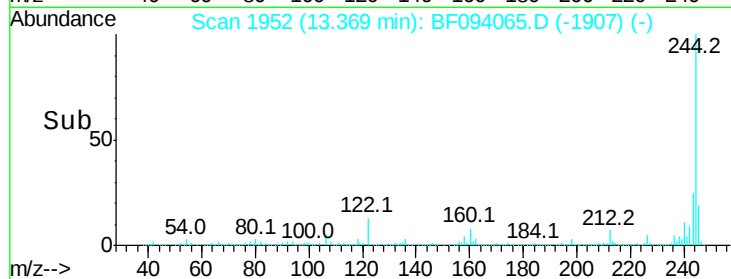
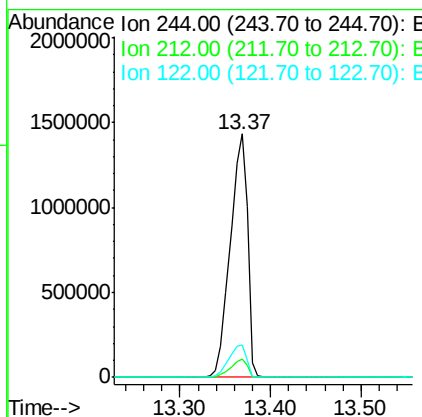
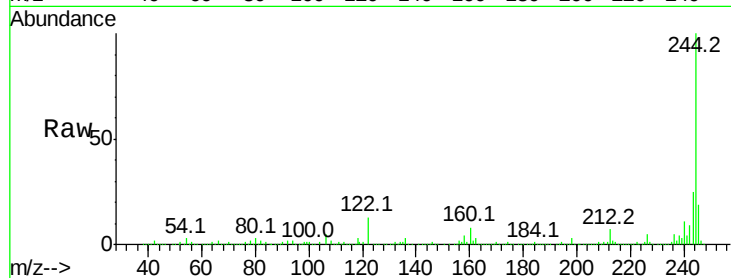




#78
 Terphenyl-d14
 Concen: 81.37 ng
 RT: 13.37 min Scan# 1952
 Delta R.T. -0.04 min
 Lab File: BF094065.D
 Acq: 30 Mar 2017 18:36

Instrument :
 BNA_F
 ClientSampleId :
 WC-B42-B51-001

Tot Ion:244 Resp: 1921669
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 13.2 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.26 min Scan# 2444
 Delta R.T. -0.05 min
 Lab File: BF094065.D
 Acq: 30 Mar 2017 18:36

Tgt Ion:264 Resp: 291491
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.5 29.3
 265 20.5 17.2 25.8

