

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041017\
 Data File : BF094304.D
 Acq On : 10 Apr 2017 12:06
 Operator : SJ/MA
 Sample : PB98126BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 11 00:43:41 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 06 13:20:29 2017
 Response via : Initial Calibration

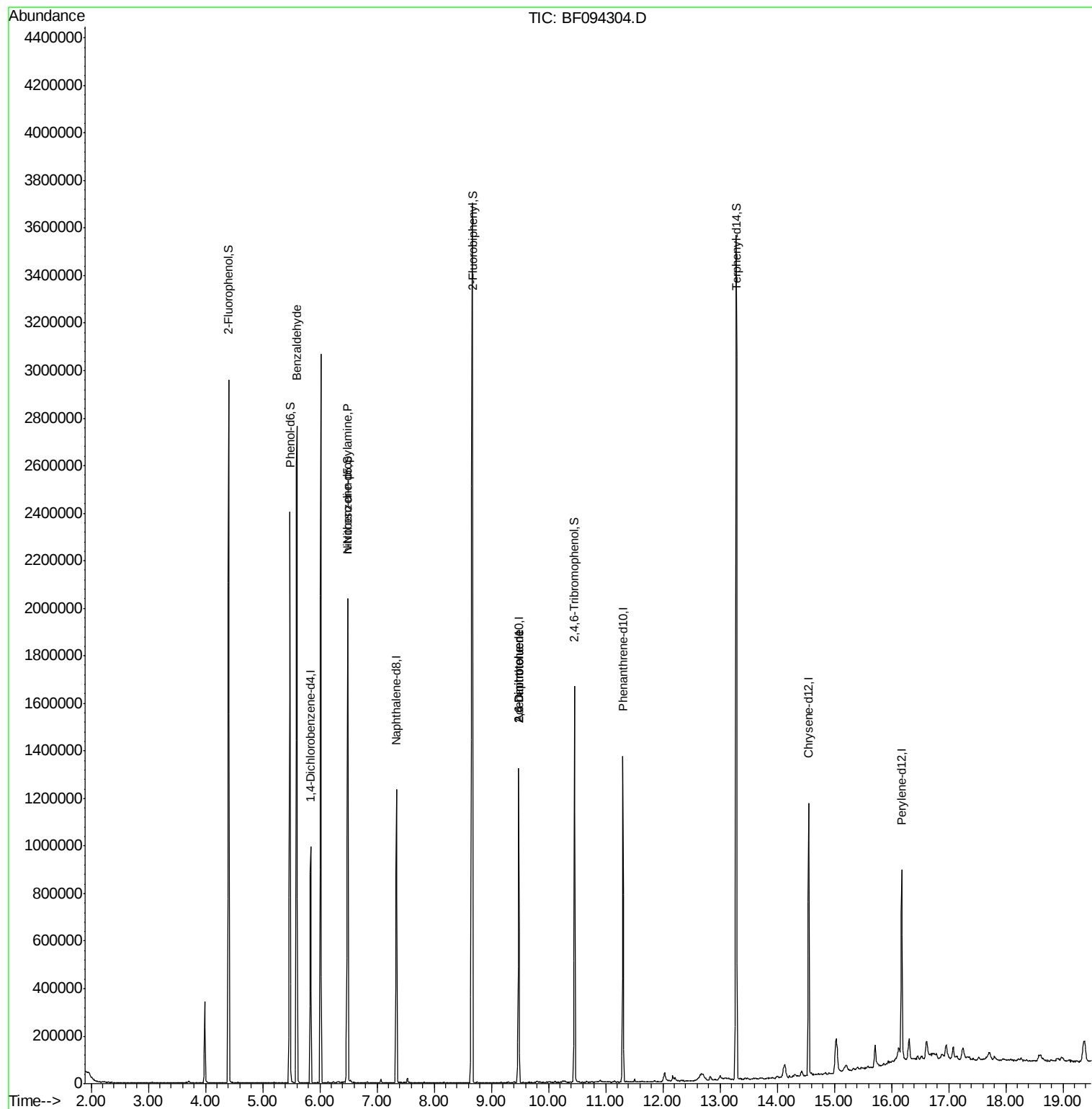
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.84	152	165046	20.00	ng	-0.02
21) Naphthalene-d8	7.34	136	655410	20.00	ng	-0.02
38) Acenaphthene-d10	9.48	164	296527	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	550711	20.00	ng	-0.02
75) Chrysene-d12	14.55	240	451366	20.00	ng	-0.02
86) Perylene-d12	16.18	264	303328	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.40	112	827778	84.71	ng	0.02
7) Phenol-d6	5.47	99	1022341	84.57	ng	0.01
23) Nitrobenzene-d5	6.49	82	917717	79.91	ng	-0.02
41) 2,4,6-Tribromophenol	10.46	330	205728	87.80	ng	-0.02
44) 2-Fluorobiphenyl	8.67	172	1659001	85.34	ng	-0.02
78) Terphenyl-d14	13.29	244	1431148	71.07	ng	-0.01
Target Compounds						
9) Benzaldehyde	5.60	77	17645	2.16	ng	Qvalue 82
19) n-Nitroso-di-n-propylamine	6.49	70	122279	15.74	ng	# 76
50) 2,6-Dinitrotoluene	9.48	165	39154	8.10	ng	# 34
56) 2,4-Dinitrotoluene	9.48	165	39164	6.45	ng	# 33

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

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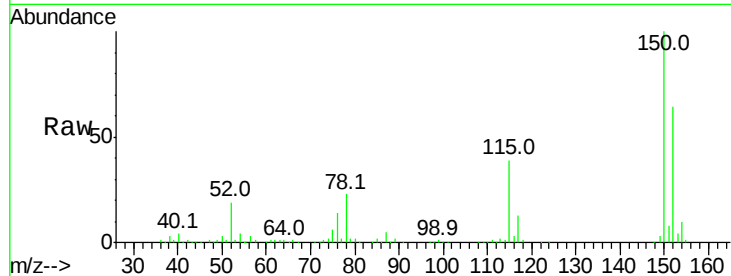


#1

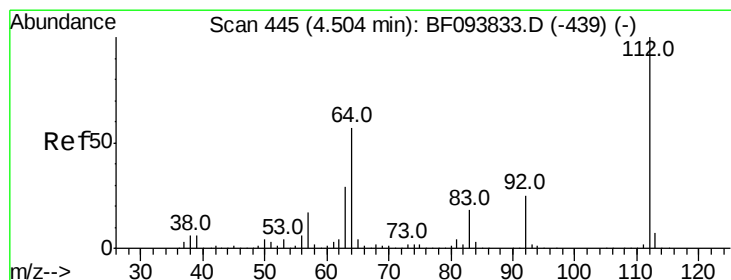
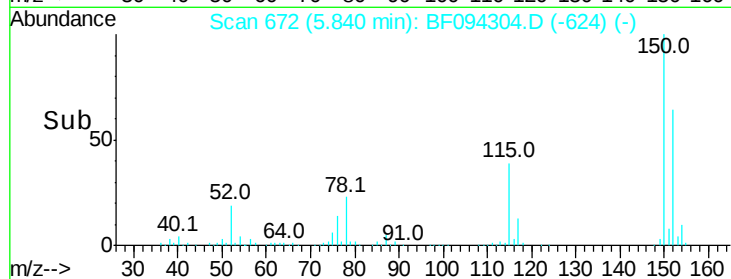
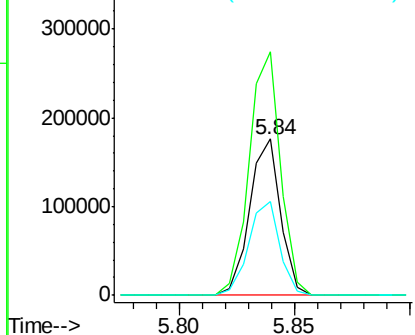
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.84 min Scan# 672
Delta R.T. -0.02 min
Lab File: BF094304.D
Acq: 10 Apr 2017 12:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 165046
Ion Ratio Lower Upper
152 100
150 155.8 126.2 189.2
115 60.1 52.2 78.2



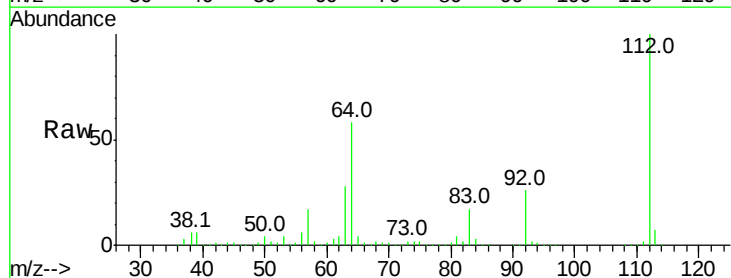
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



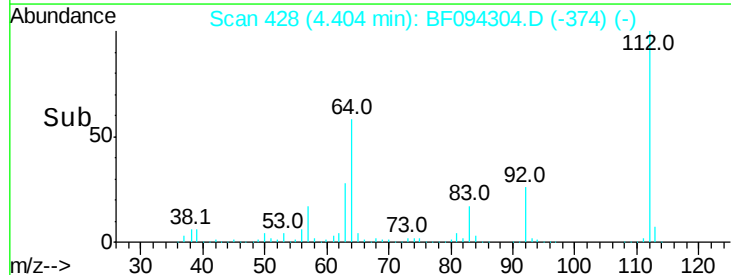
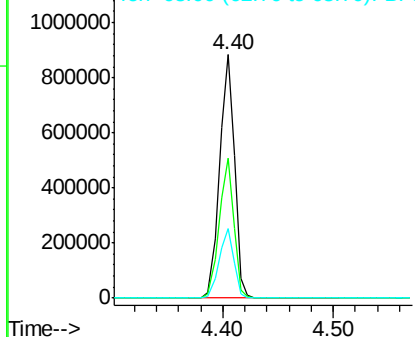
#5

2-Fluorophenol
Concen: 84.71 ng
RT: 4.40 min Scan# 428
Delta R.T. 0.02 min
Lab File: BF094304.D
Acq: 10 Apr 2017 12:06

Tgt Ion:112 Resp: 827778
Ion Ratio Lower Upper
112 100
64 57.7 46.0 69.0
63 28.4 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: 84.57 ng

RT: 5.47 min Scan# 610

Delta R.T. 0.01 min

Lab File: BF094304.D

Acq: 10 Apr 2017 12:06

Instrument :

BNA_F

ClientSampled :

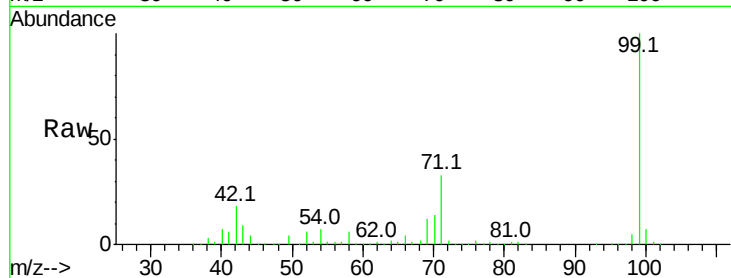
Tot Ion: 99 Resp: 1022341

Ion Ratio Lower Upper

99 100

42 17.5 13.5 20.3

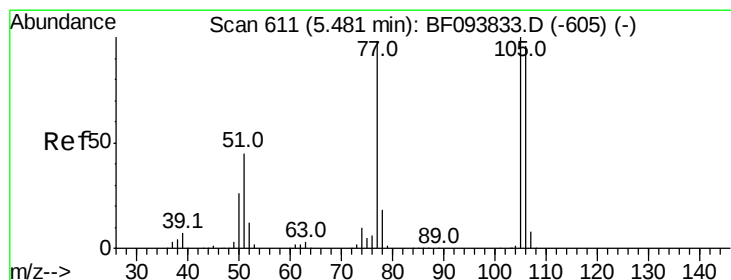
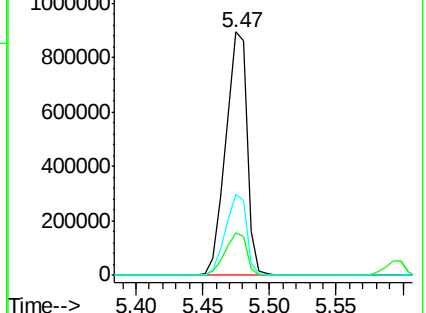
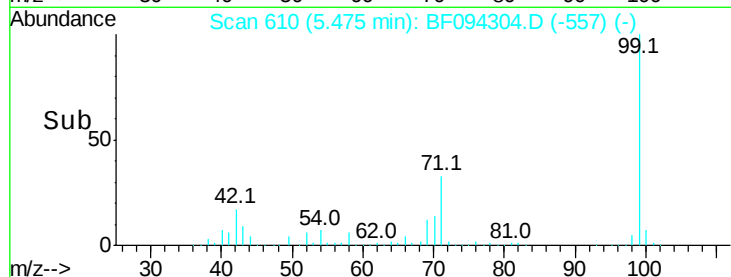
71 33.2 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 2.16 ng

RT: 5.60 min Scan# 631

Delta R.T. 0.25 min

Lab File: BF094304.D

Acq: 10 Apr 2017 12:06

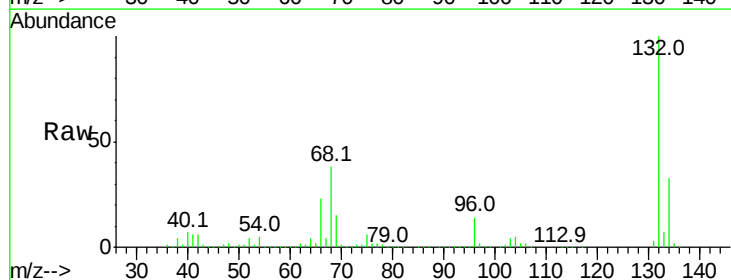
Tgt Ion: 77 Resp: 17645

Ion Ratio Lower Upper

77 100

105 85.1 83.8 123.8

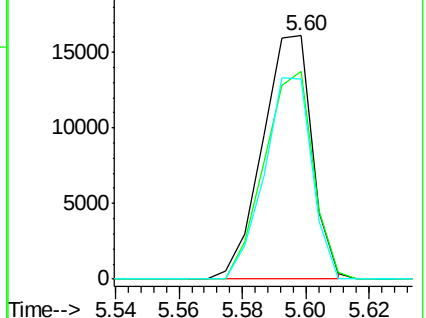
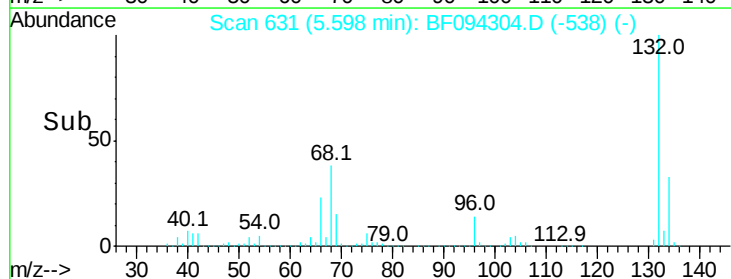
106 82.3 79.1 119.1



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#19

n-Nitroso-di-n-propylamine

Concen: 15.74 ng

RT: 6.49 min Scan# 782

Delta R.T. 0.14 min

Lab File: BF094304.D

Acq: 10 Apr 2017 12:06

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 122279

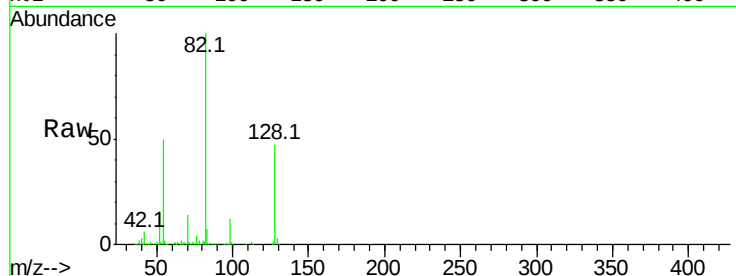
Ion Ratio Lower Upper

70 100

42 44.6 47.2 70.8#

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#

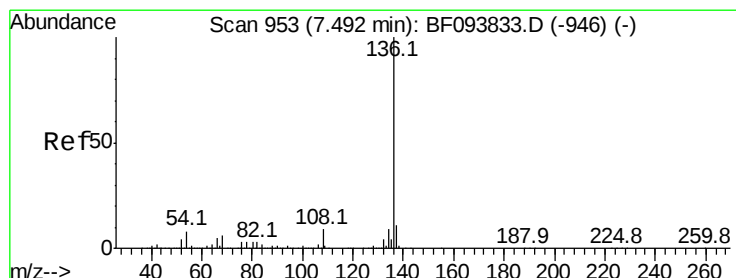
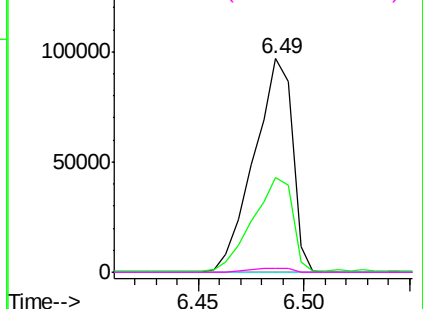
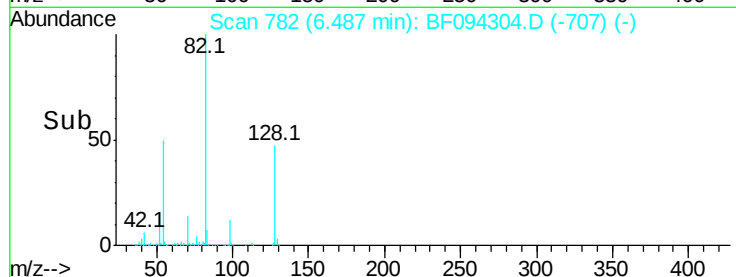


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.34 min Scan# 927

Delta R.T. -0.02 min

Lab File: BF094304.D

Acq: 10 Apr 2017 12:06

Tgt Ion: 136 Resp: 655410

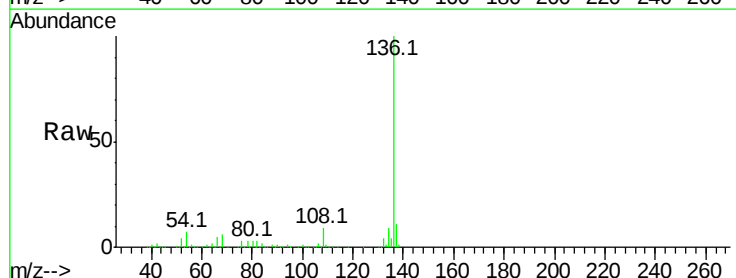
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 7.1 4.9 7.3

68 5.9 4.1 6.1

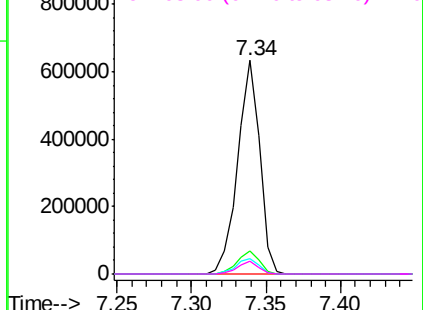
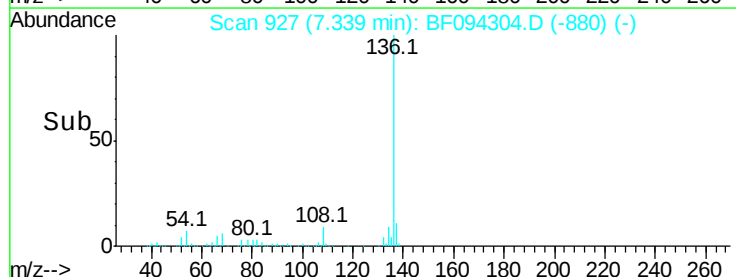


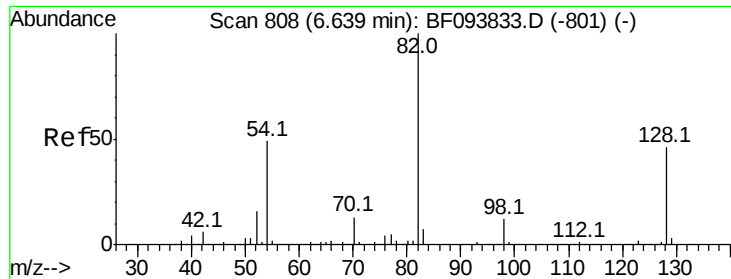
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

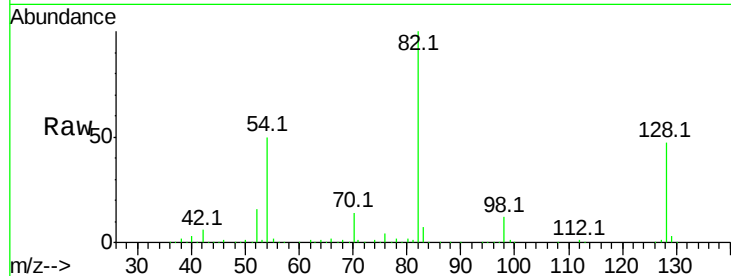




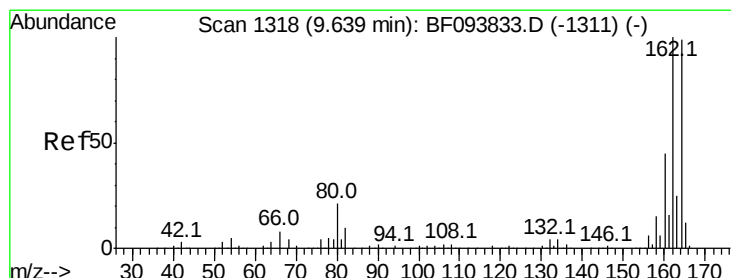
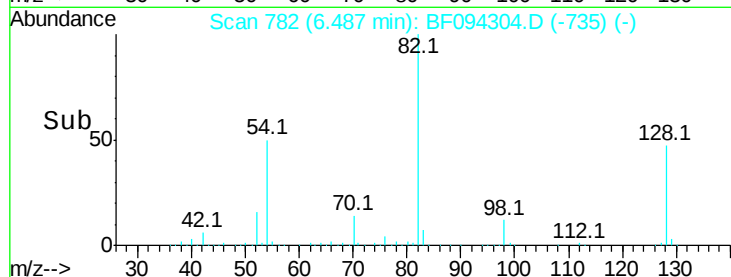
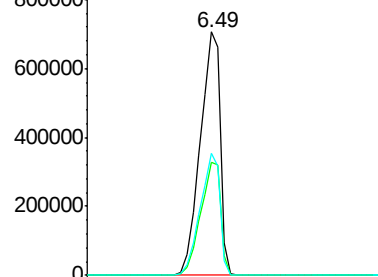
#23
Nitrobenzene-d5
Concen: 79.91 ng
RT: 6.49 min Scan# 782
Delta R.T. -0.02 min
Lab File: BF094304.D
Acq: 10 Apr 2017 12:06

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 917717
Ion Ratio Lower Upper
82 100
128 46.7 34.0 51.0
54 50.2 42.2 63.2

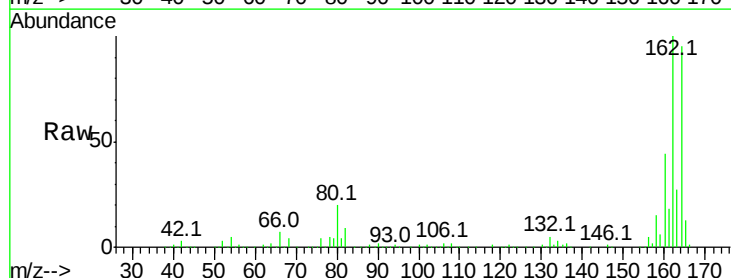


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

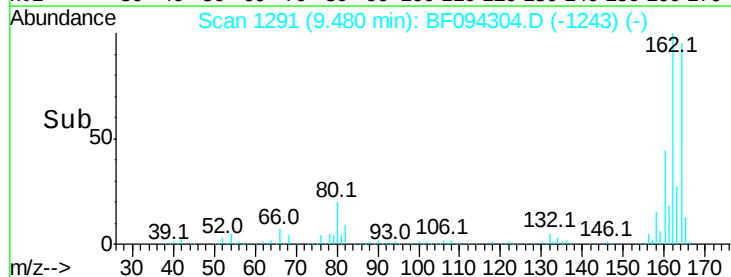
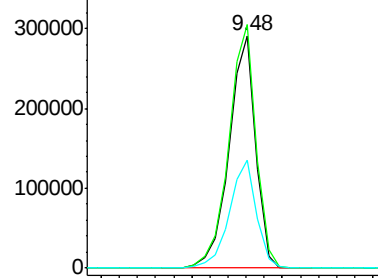


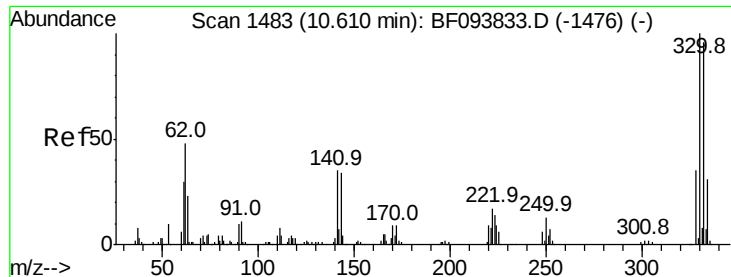
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.48 min Scan# 1291
Delta R.T. -0.02 min
Lab File: BF094304.D
Acq: 10 Apr 2017 12:06

Tgt Ion:164 Resp: 296527
Ion Ratio Lower Upper
164 100
162 104.9 82.6 123.8
160 46.4 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

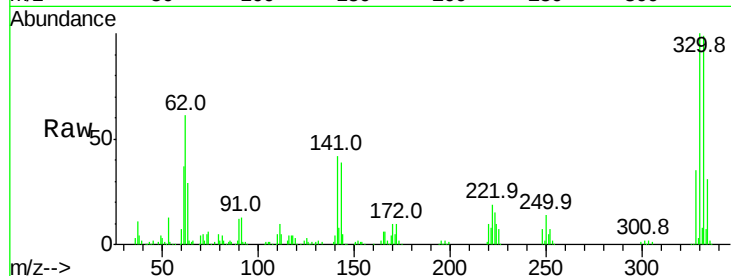




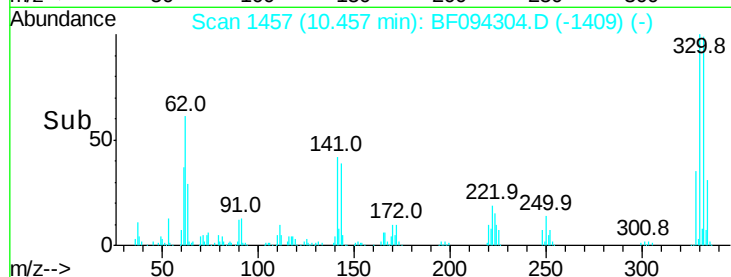
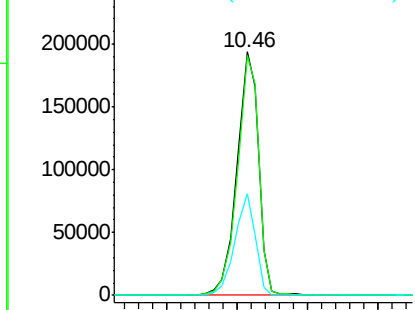
#41
 2,4,6-Tribromophenol
 Concen: 87.80 ng
 RT: 10.46 min Scan# 1457
 Delta R.T. -0.02 min
 Lab File: BF094304.D
 Acq: 10 Apr 2017 12:06

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	76.6	115.0
141	39.6	31.4	47.2

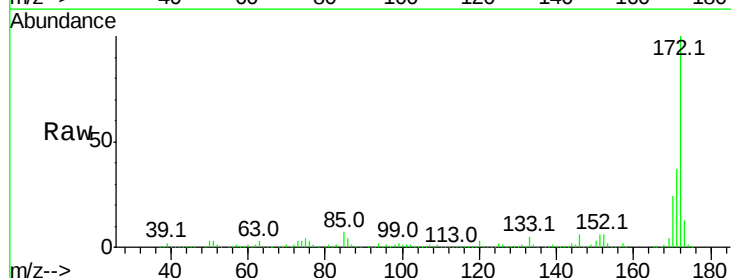


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

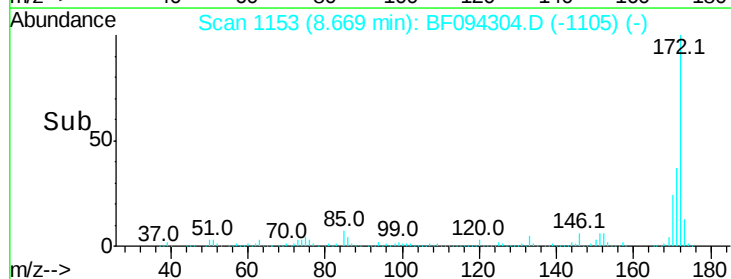
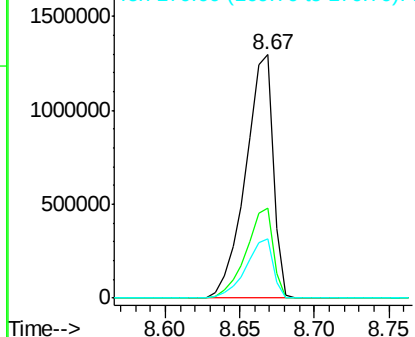


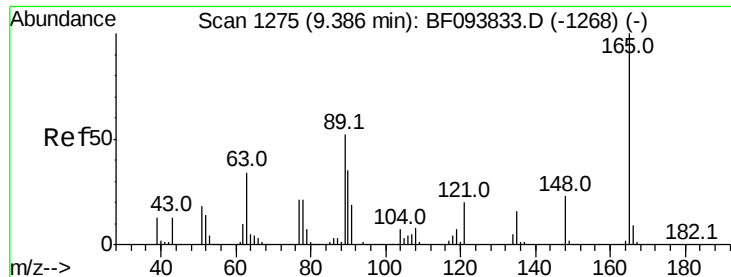
#44
 2-Fluorobiphenyl
 Concen: 85.34 ng
 RT: 8.67 min Scan# 1153
 Delta R.T. -0.02 min
 Lab File: BF094304.D
 Acq: 10 Apr 2017 12:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.6	44.4
170	24.2	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: 8.10 ng

RT: 9.48 min Scan# 1291

Delta R.T. 0.22 min

Lab File: BF094304.D

Acq: 10 Apr 2017 12:06

Instrument :

BNA_F

ClientSampleId :

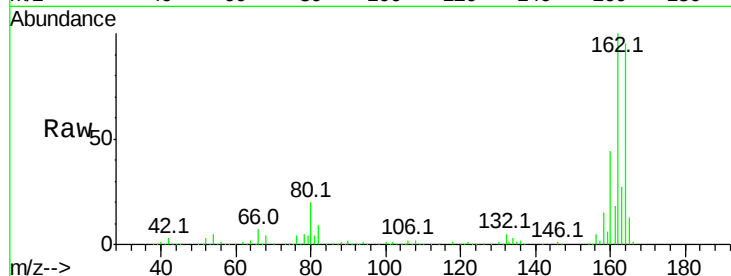
Tot Ion:165 Resp: 39154

Ion Ratio Lower Upper

165 100

63 1.5 34.3 51.5#

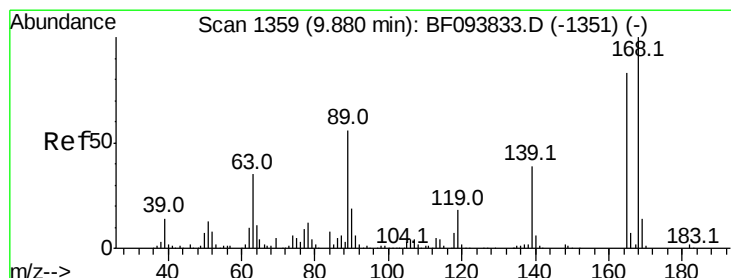
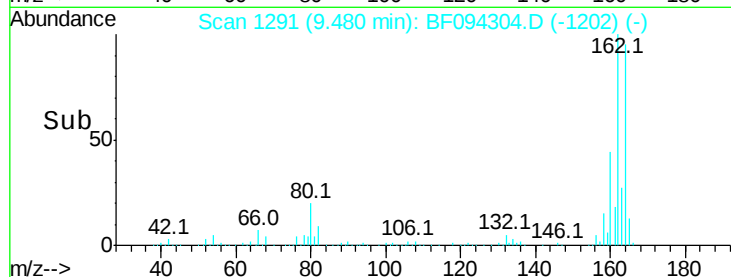
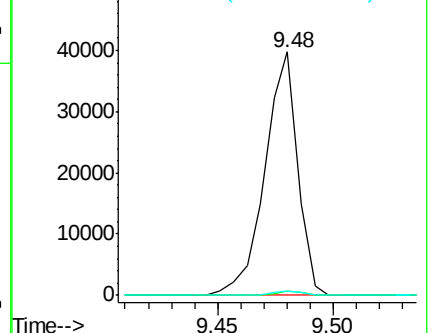
89 1.5 37.1 55.7#



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



#56

2,4-Dinitrotoluene

Concen: 6.45 ng

RT: 9.48 min Scan# 1291

Delta R.T. -0.27 min

Lab File: BF094304.D

Acq: 10 Apr 2017 12:06

Tgt Ion:165 Resp: 39164

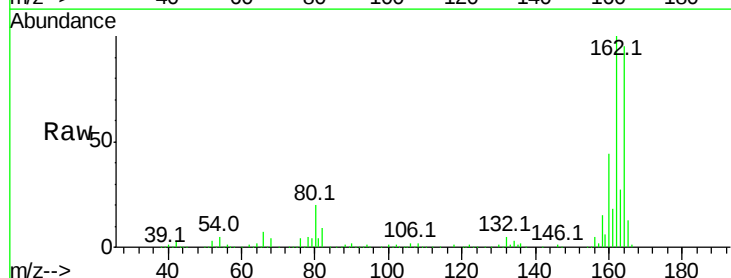
Ion Ratio Lower Upper

165 100

63 1.5 25.4 38.0#

89 1.5 46.4 69.6#

182 0.0 1.8 2.6#

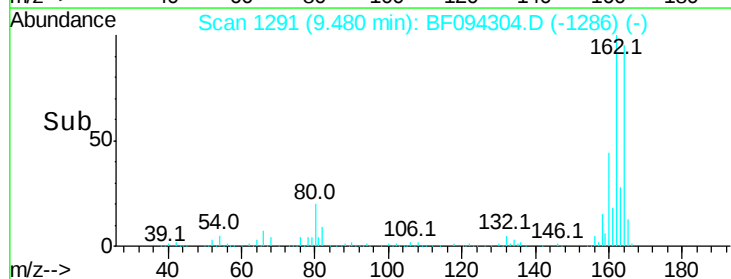
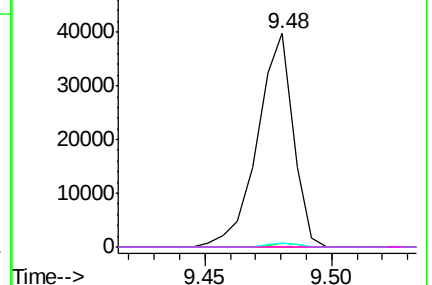


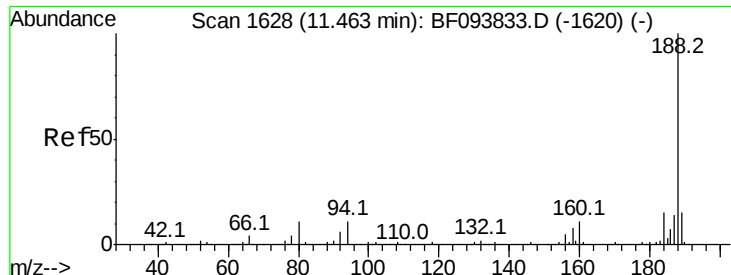
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

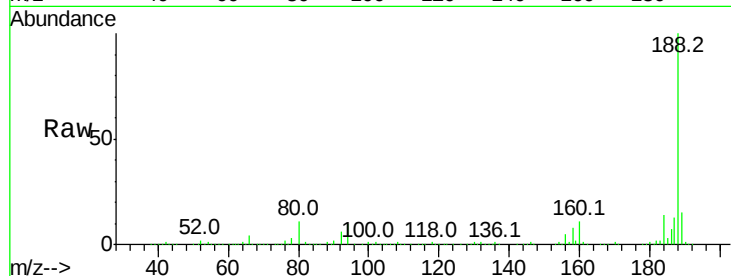




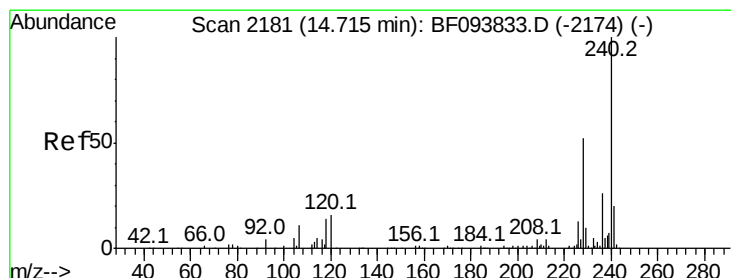
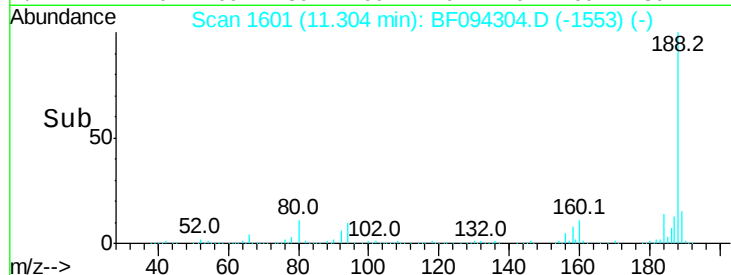
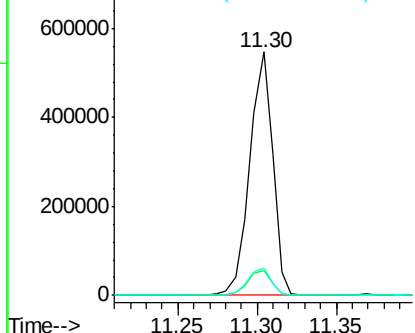
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 1601
 Delta R.T. -0.02 min
 Lab File: BF094304.D
 Acq: 10 Apr 2017 12:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 550711
 Ion Ratio Lower Upper
 188 100
 94 10.4 9.4 14.2
 80 11.3 10.2 15.2

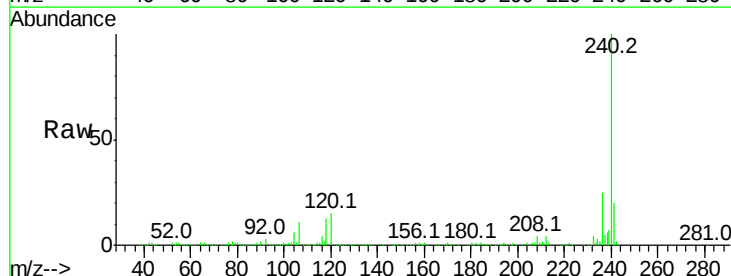


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

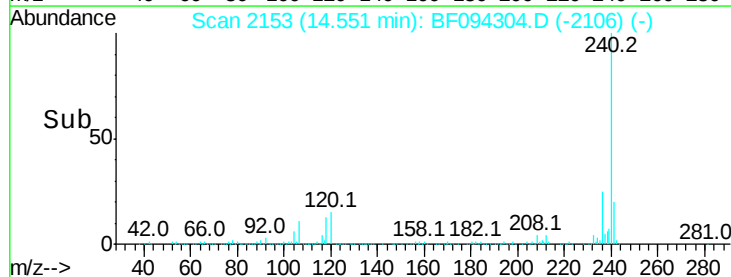
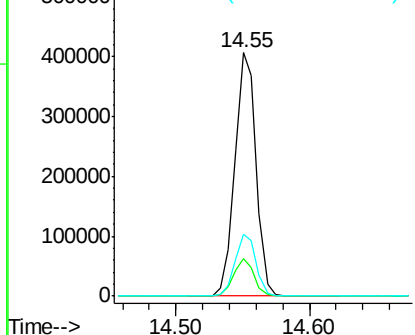


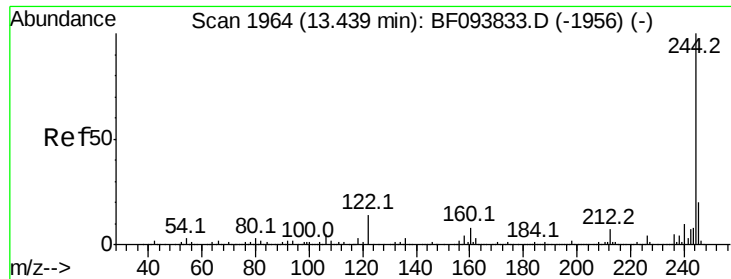
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.55 min Scan# 2153
 Delta R.T. -0.02 min
 Lab File: BF094304.D
 Acq: 10 Apr 2017 12:06

Tgt Ion:240 Resp: 451366
 Ion Ratio Lower Upper
 240 100
 120 15.4 5.8 8.8#
 236 25.3 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: 71.07 ng

RT: 13.29 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BF094304.D

Acq: 10 Apr 2017 12:06

Instrument :

BNA_F

ClientSampleId :

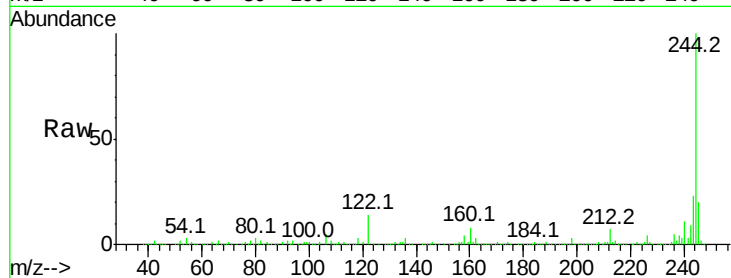
Tot Ion:244 Resp: 1431148

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

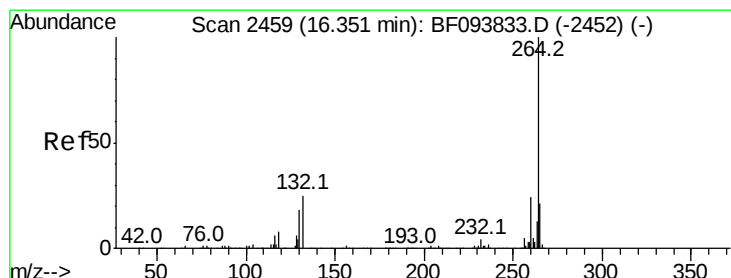
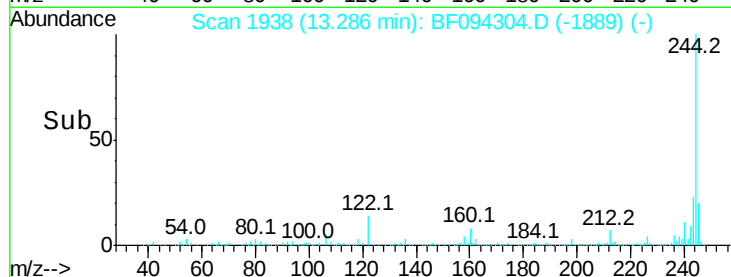
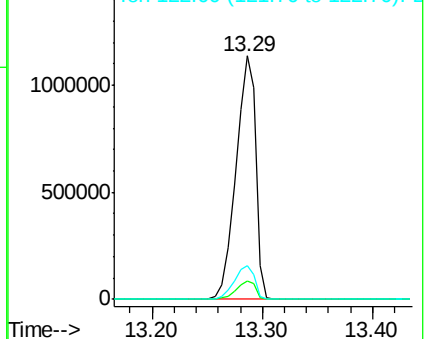
122 13.8 10.3 15.5



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

Perylene-d12

Concen: 20.00 ng

RT: 16.18 min Scan# 2430

Delta R.T. -0.01 min

Lab File: BF094304.D

Acq: 10 Apr 2017 12:06

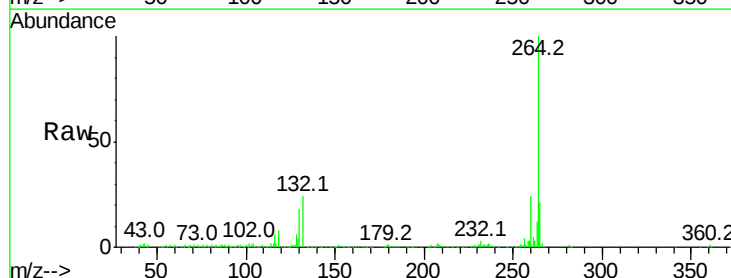
Tgt Ion:264 Resp: 303328

Ion Ratio Lower Upper

264 100

260 23.7 19.5 29.3

265 21.1 17.2 25.8



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

