

Data Path : Z:\HPCHEM1\BNA F\DATA\BF033017\
 Data File : BF094084.D
 Acq On : 31 Mar 2017 3:18
 Operator : SJ/MA
 Sample : I2416-16
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-9(1.5-2)

Quant Time: Mar 31 04:04:40 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

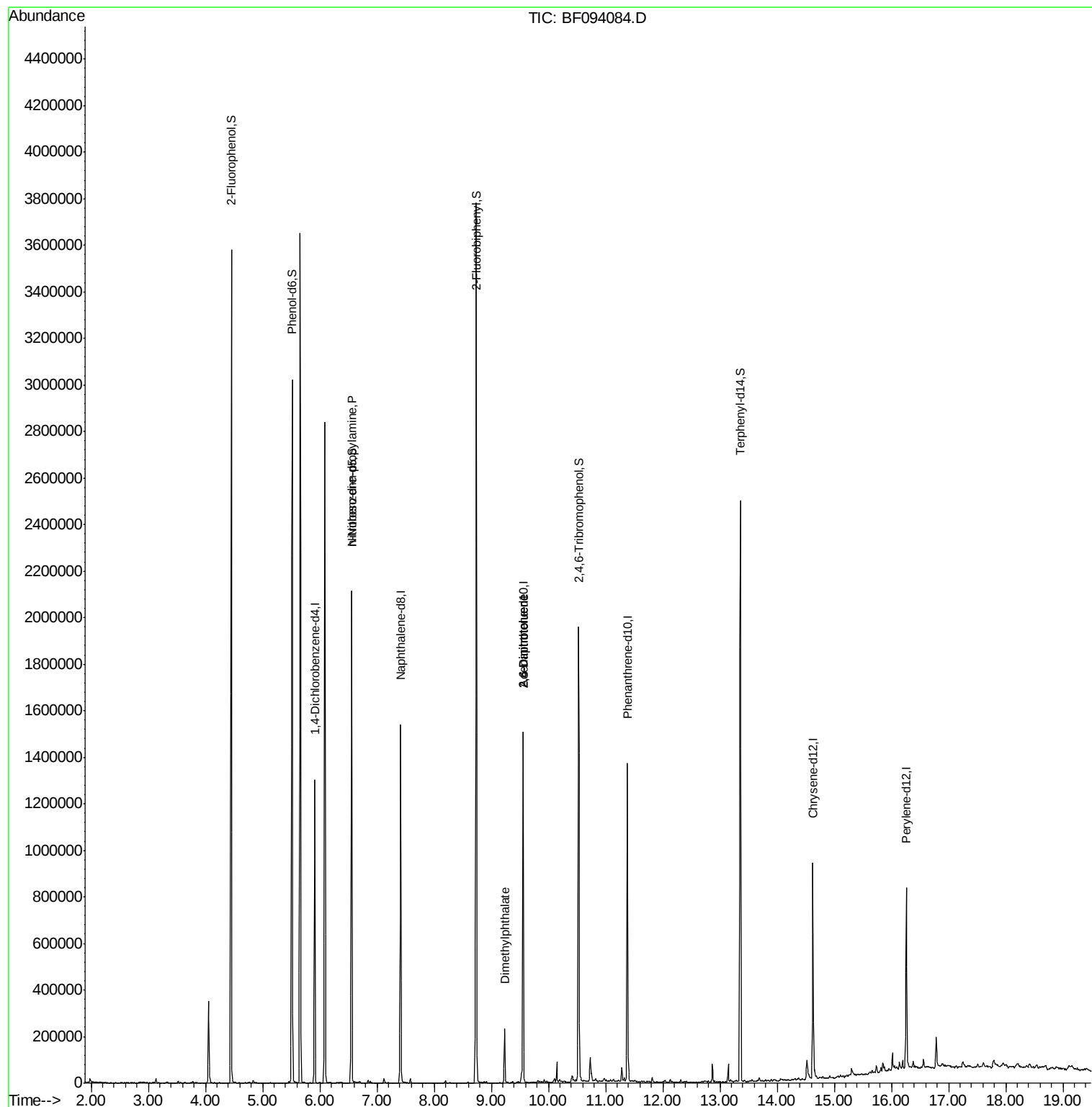
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.91	152	205746	20.00	ng	-0.04
21) Naphthalene-d8	7.42	136	824173	20.00	ng	-0.04
38) Acenaphthene-d10	9.56	164	347282	20.00	ng	-0.04
63) Phenanthrene-d10	11.38	188	542574	20.00	ng	-0.04
75) Chrysene-d12	14.63	240	355183	20.00	ng	-0.05
86) Perylene-d12	16.26	264	326390	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	4.45	112	1066830	87.58	ng	-0.02
7) Phenol-d6	5.52	99	1388285	92.12	ng	-0.04
23) Nitrobenzene-d5	6.56	82	861101	59.63	ng	-0.05
41) 2,4,6-Tribromophenol	10.53	330	248311	90.48	ng	-0.05
44) 2-Fluorobiphenyl	8.74	172	1376335	60.45	ng	-0.04
78) Terphenyl-d14	13.36	244	813146	51.32	ng	-0.05
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.56	70	116497	12.03	ng	# 76
49) Dimethylphthalate	9.23	163	104953	4.25	ng	100
50) 2,6-Dinitrotoluene	9.56	165	44337	7.83	ng	# 33
56) 2,4-Dinitrotoluene	9.56	165	44338	6.24	ng	# 32

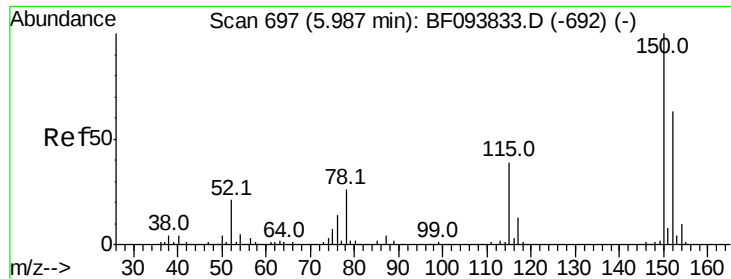
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF094084.D

Acq: 31 Mar 2017 3:18

Instrument :

BNA_F

ClientSampleId :

TP-9(1.5-2)

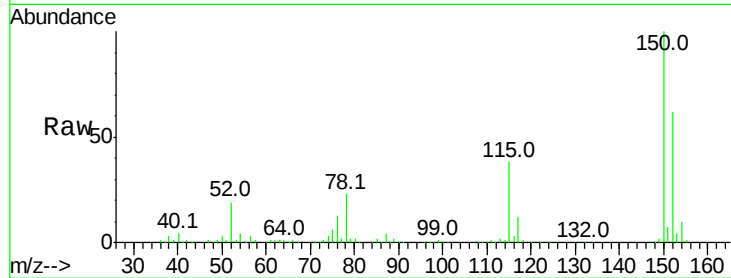
Tot Ion:152 Resp: 205746

Ion Ratio Lower Upper

152 100

150 162.0 126.2 189.2

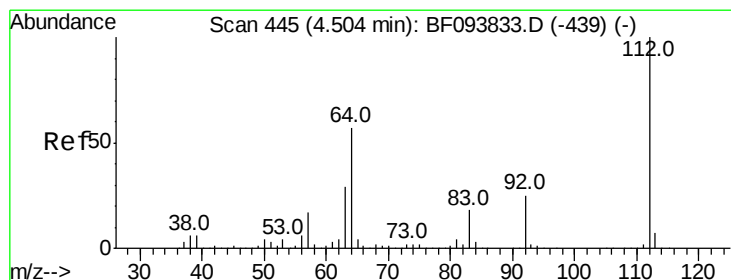
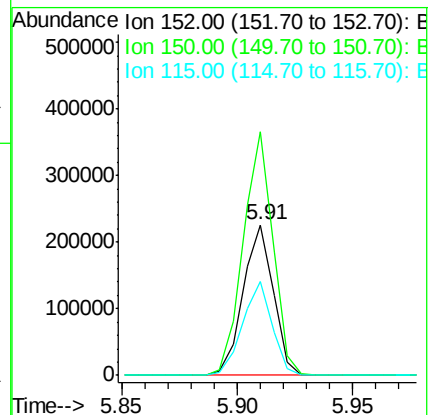
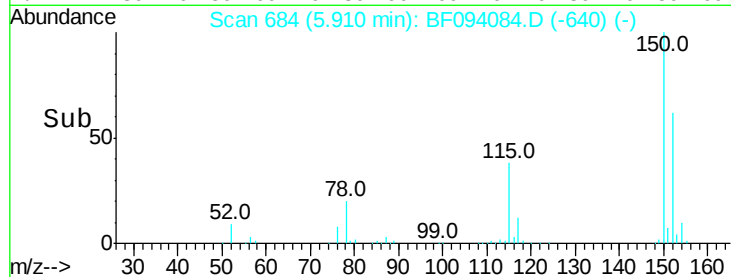
115 62.3 52.2 78.2



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: 87.58 ng

RT: 4.45 min Scan# 436

Delta R.T. -0.02 min

Lab File: BF094084.D

Acq: 31 Mar 2017 3:18

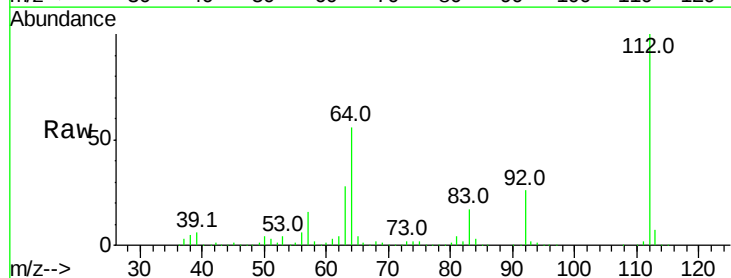
Tgt Ion:112 Resp: 1066830

Ion Ratio Lower Upper

112 100

64 56.3 46.0 69.0

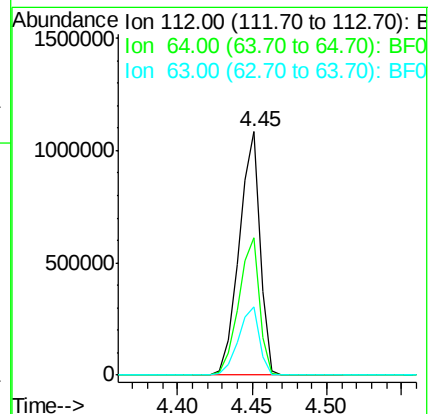
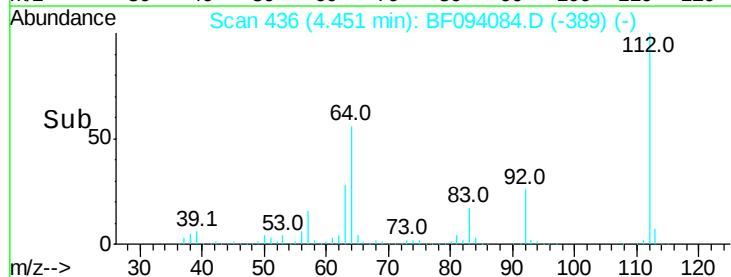
63 28.1 23.4 35.0

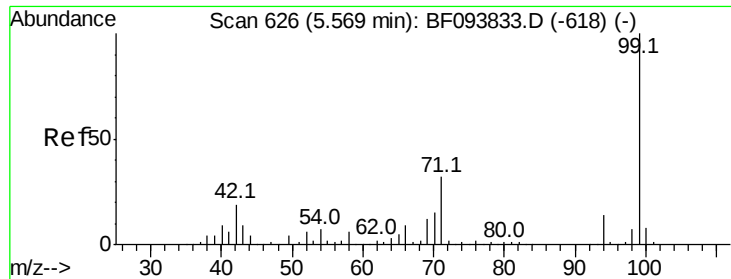


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 92.12 ng

RT: 5.52 min Scan# 617

Delta R.T. -0.04 min

Lab File: BF094084.D

Acq: 31 Mar 2017 3:18

Instrument :

BNA_F

ClientSampleId :

TP-9(1.5-2)

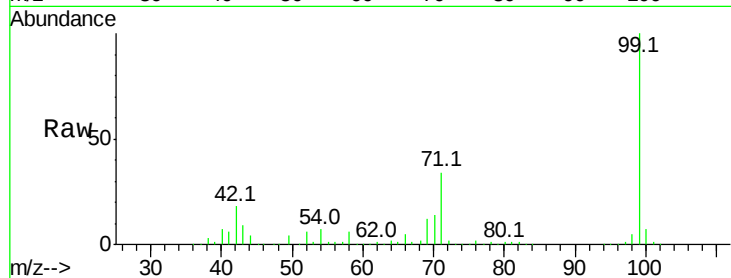
Tot Ion: 99 Resp: 1388285

Ion Ratio Lower Upper

99 100

42 18.2 13.5 20.3

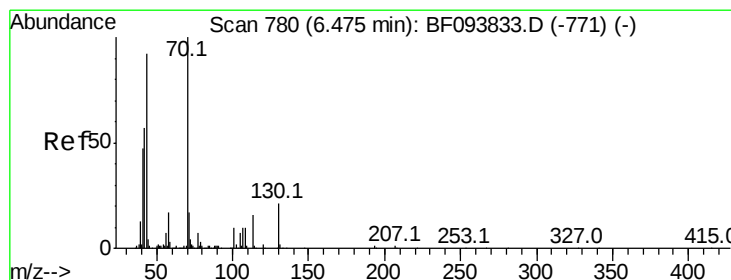
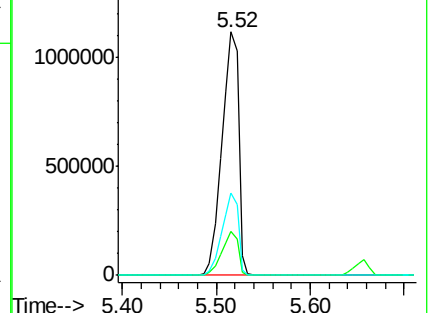
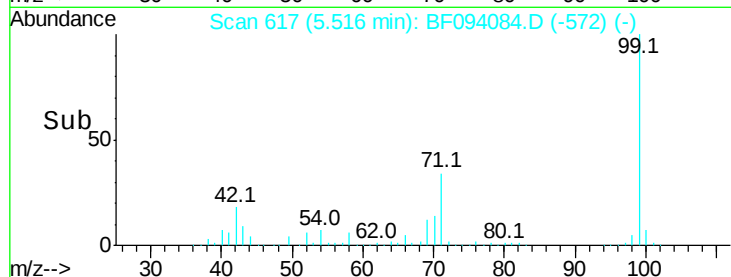
71 33.8 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.03 ng

RT: 6.56 min Scan# 794

Delta R.T. 0.12 min

Lab File: BF094084.D

Acq: 31 Mar 2017 3:18

Tgt Ion: 70 Resp: 116497

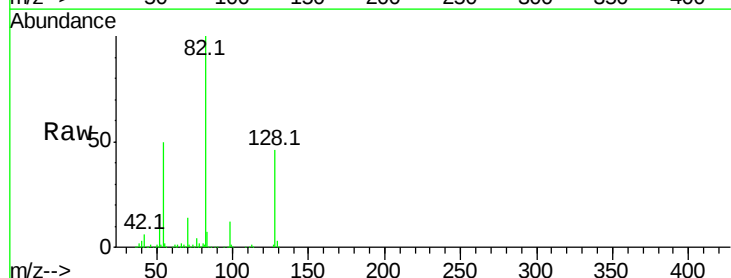
Ion Ratio Lower Upper

70 100

42 45.1 47.2 70.8#

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#

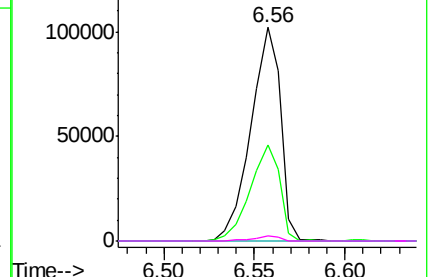
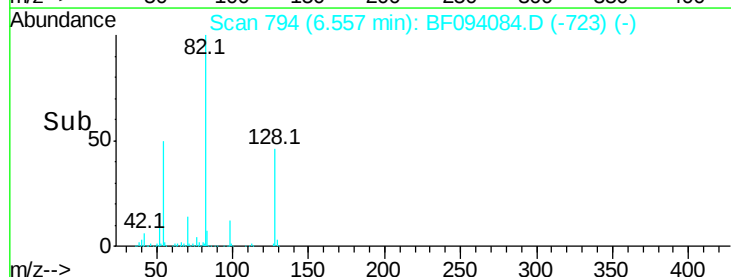


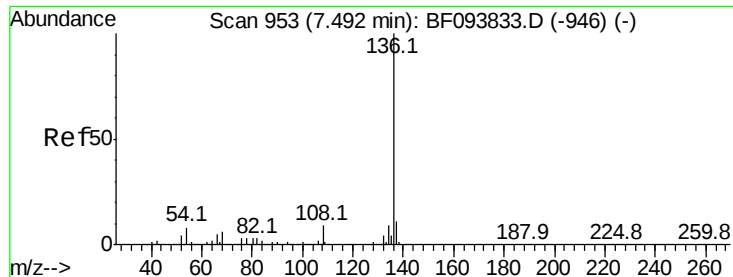
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.42 min Scan# 940

Delta R.T. -0.04 min

Lab File: BF094084.D

Acq: 31 Mar 2017 3:18

Instrument :

BNA_F

ClientSampleId :

TP-9(1.5-2)

Tot Ion:136 Resp: 824173

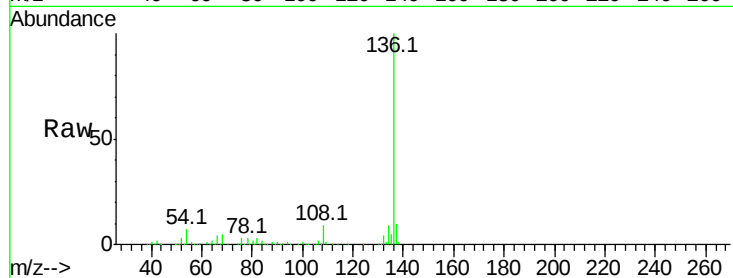
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 6.8 4.9 7.3

68 5.2 4.1 6.1

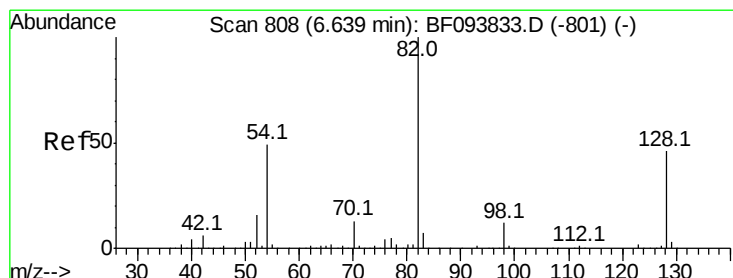
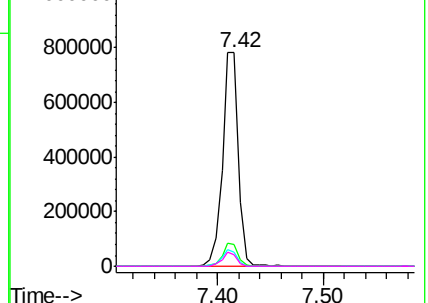
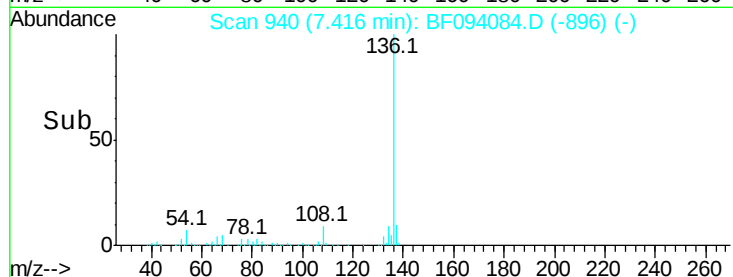


Abundance Ion 136.00 (135.70 to 136.70): E

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: 59.63 ng

RT: 6.56 min Scan# 794

Delta R.T. -0.05 min

Lab File: BF094084.D

Acq: 31 Mar 2017 3:18

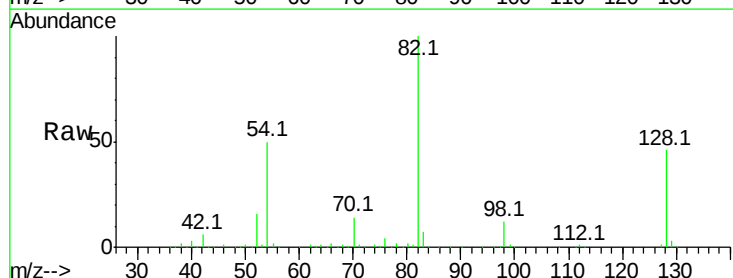
Tgt Ion: 82 Resp: 861101

Ion Ratio Lower Upper

82 100

128 46.2 34.0 51.0

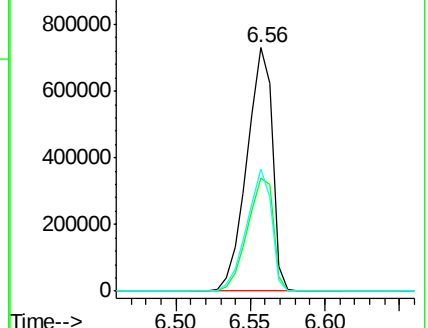
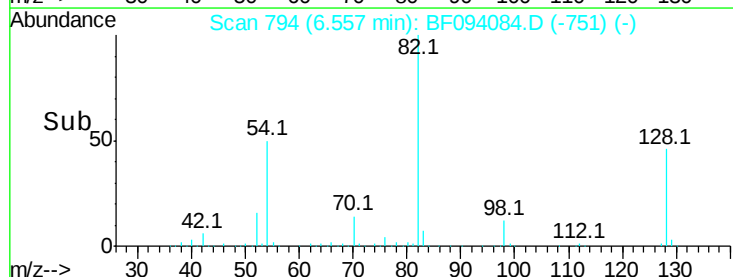
54 50.1 42.2 63.2

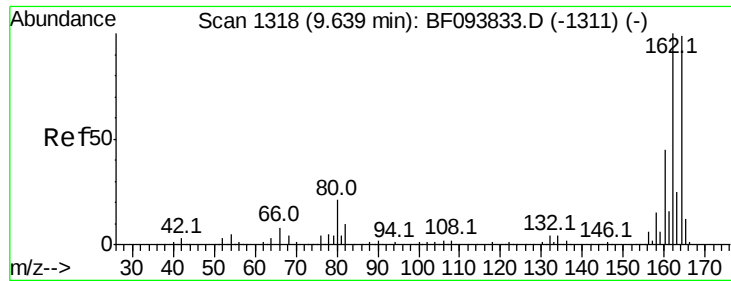


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

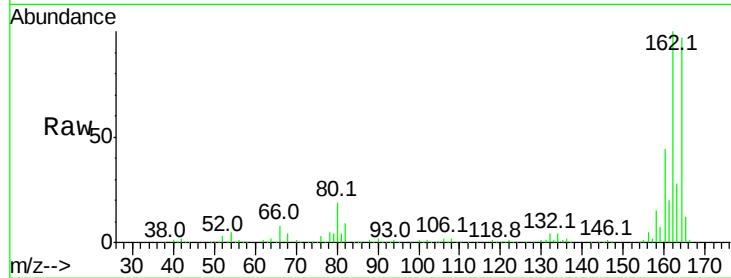




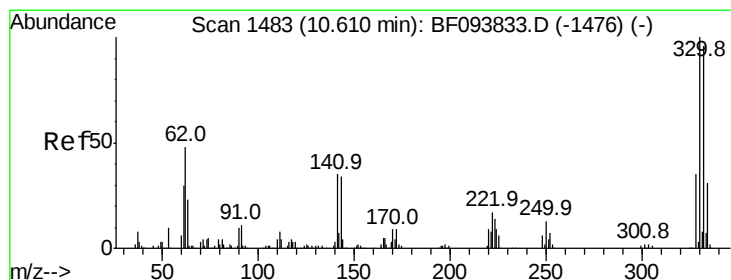
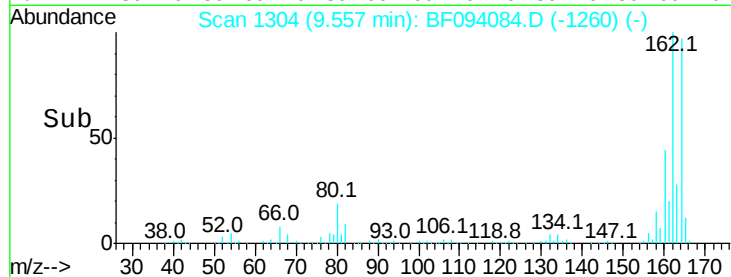
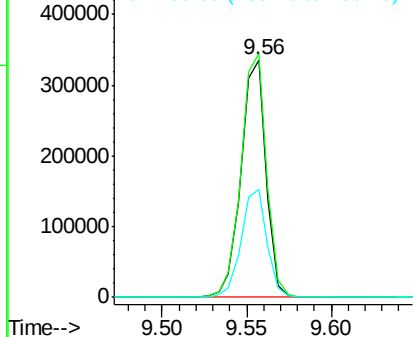
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.56 min Scan# 1304
 Delta R.T. -0.04 min
 Lab File: BF094084.D
 Acq: 31 Mar 2017 3:18

Instrument :
 BNA_F
 ClientSampleId :
 TP-9(1.5-2)

Tot Ion:164 Resp: 347282
 Ion Ratio Lower Upper
 164 100
 162 102.6 82.6 123.8
 160 45.5 36.2 54.2

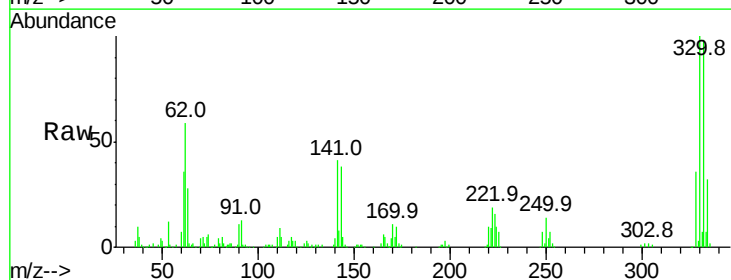


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

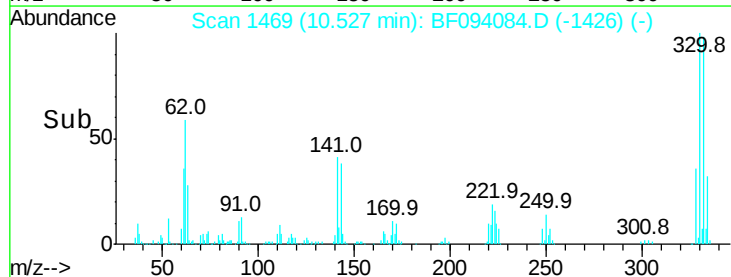
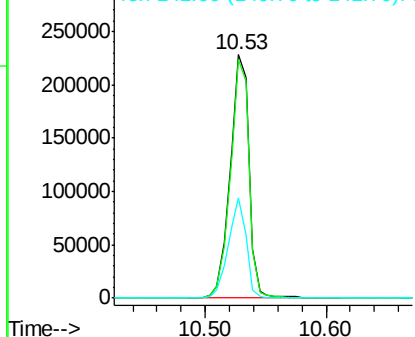


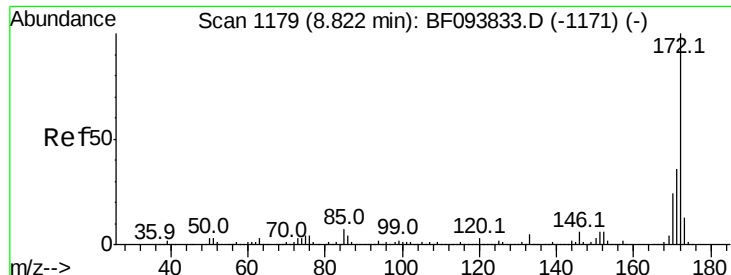
#41
 2,4,6-Tribromophenol
 Concen: 90.48 ng
 RT: 10.53 min Scan# 1469
 Delta R.T. -0.05 min
 Lab File: BF094084.D
 Acq: 31 Mar 2017 3:18

Tgt Ion:330 Resp: 248311
 Ion Ratio Lower Upper
 330 100
 332 97.0 76.6 115.0
 141 38.9 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

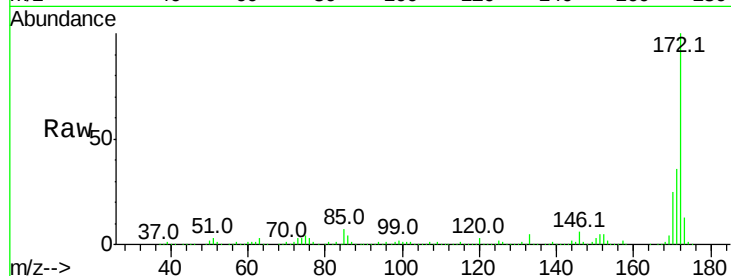




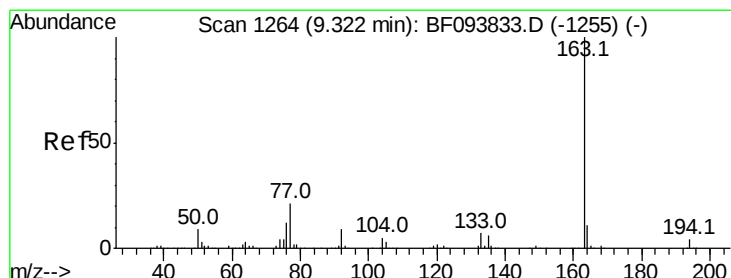
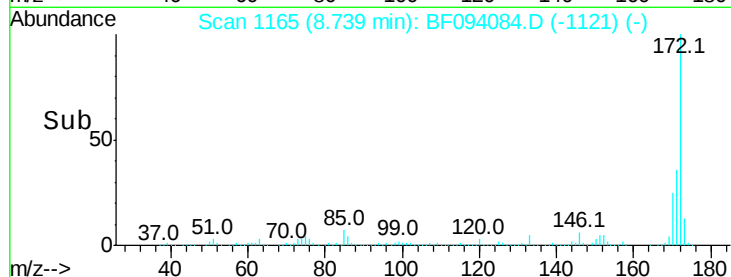
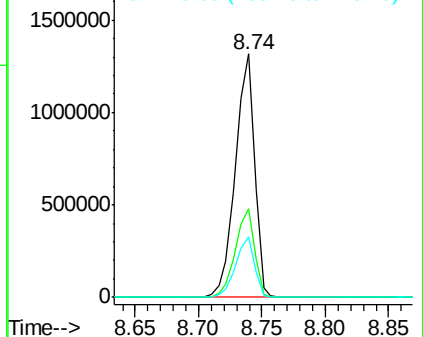
#44
2-Fluorobiphenyl
Concen: 60.45 ng
RT: 8.74 min Scan# 1165
Delta R.T. -0.04 min
Lab File: BF094084.D
Acq: 31 Mar 2017 3:18

Instrument :
BNA_F
ClientSampleId :
TP-9(1.5-2)

Tot Ion:172 Resp: 1376335
Ion Ratio Lower Upper
172 100
171 36.2 29.6 44.4
170 24.6 19.8 29.8

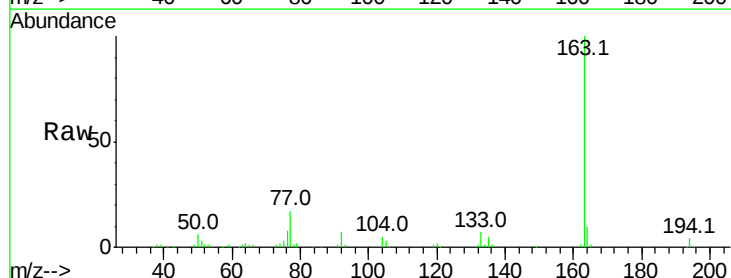


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

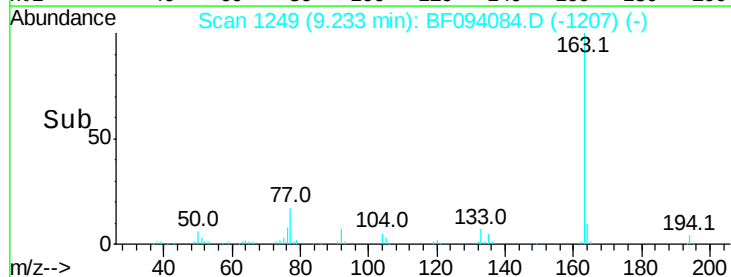
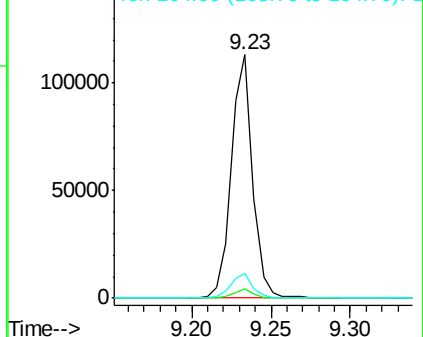


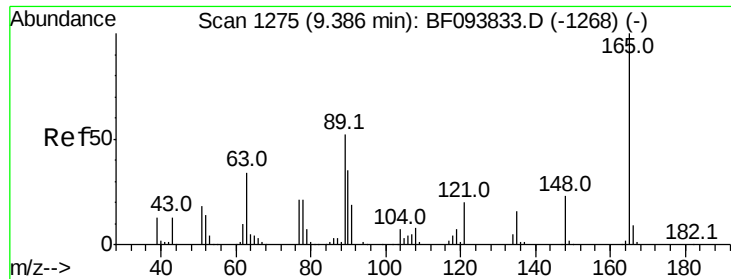
#49
Dimethylphthalate
Concen: 4.25 ng
RT: 9.23 min Scan# 1249
Delta R.T. -0.05 min
Lab File: BF094084.D
Acq: 31 Mar 2017 3:18

Tgt Ion:163 Resp: 104953
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 10.4 8.4 12.6



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

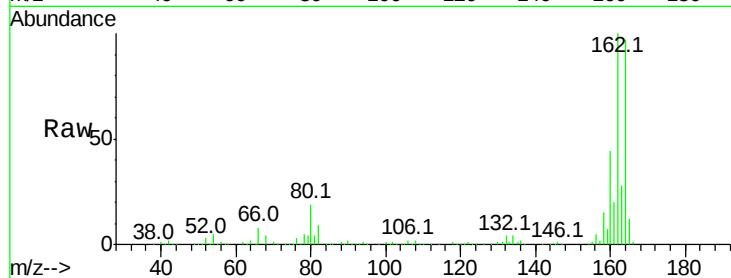




#50
2,6-Dinitrotoluene
Concen: 7.83 ng
RT: 9.56 min Scan# 1304
Delta R.T. 0.21 min
Lab File: BF094084.D
Acq: 31 Mar 2017 3:18

Instrument :
BNA_F
ClientSampled :
TP-9(1.5-2)

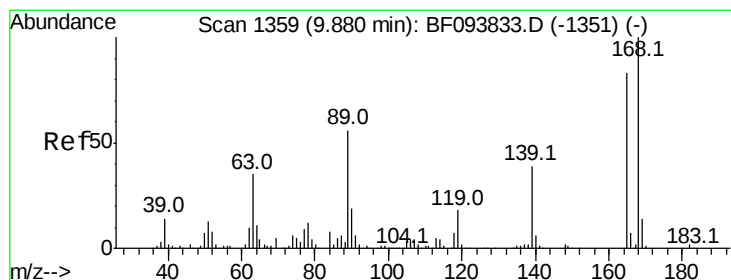
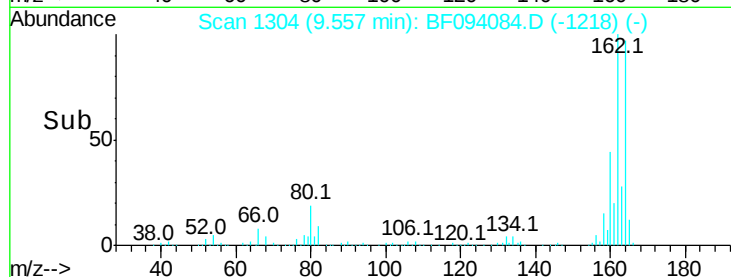
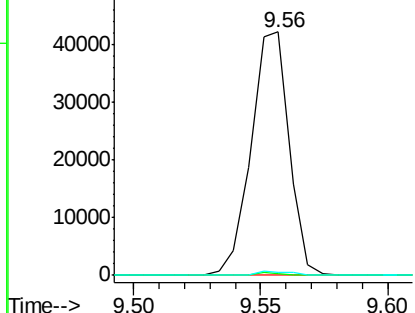
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.9	34.3	51.5#
89	1.2	37.1	55.7#



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: 6.24 ng
RT: 9.56 min Scan# 1304
Delta R.T. -0.29 min
Lab File: BF094084.D
Acq: 31 Mar 2017 3:18

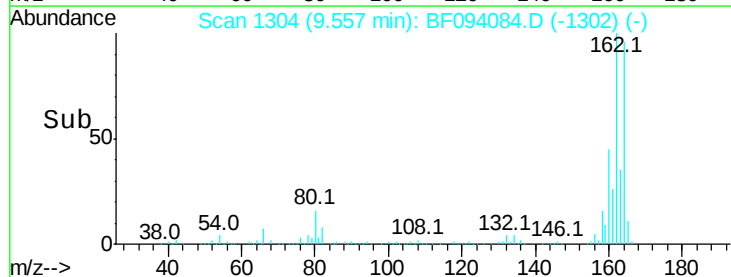
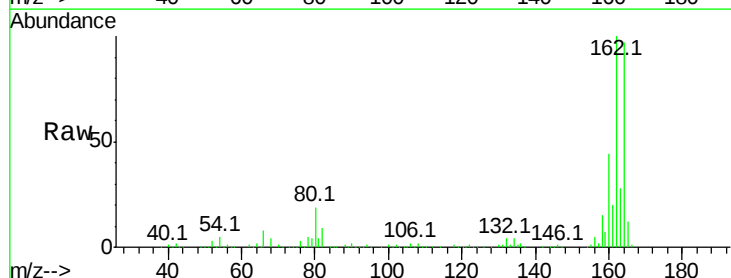
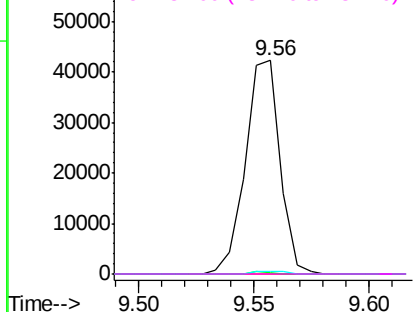
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	25.4	38.0#
89	1.2	46.4	69.6#
182	0.0	1.8	2.6#

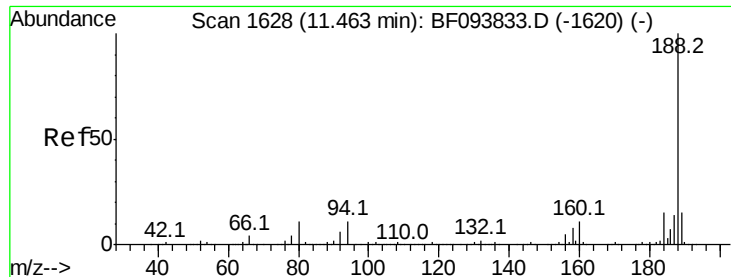
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.38 min Scan# 1614

Delta R.T. -0.04 min

Lab File: BF094084.D

Acq: 31 Mar 2017 3:18

Instrument :

BNA_F

ClientSampleId :

TP-9(1.5-2)

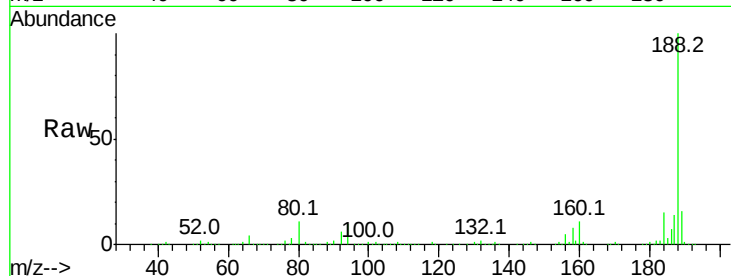
Tot Ion:188 Resp: 542574

Ion Ratio Lower Upper

188 100

94 10.1 9.4 14.2

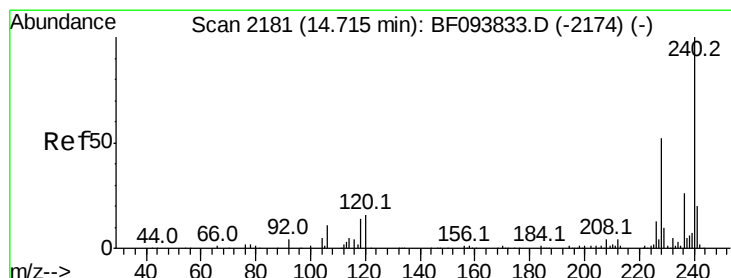
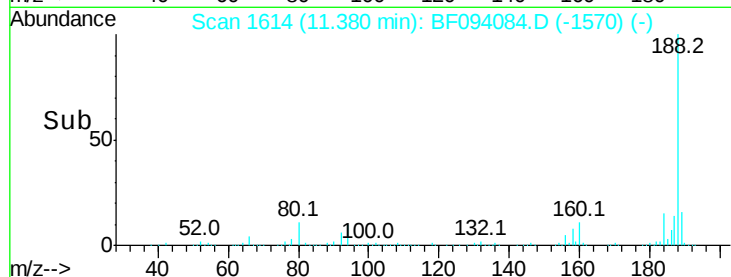
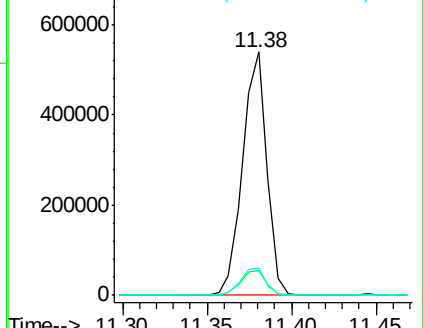
80 11.3 10.2 15.2



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: 14.63 min Scan# 2166

Delta R.T. -0.05 min

Lab File: BF094084.D

Acq: 31 Mar 2017 3:18

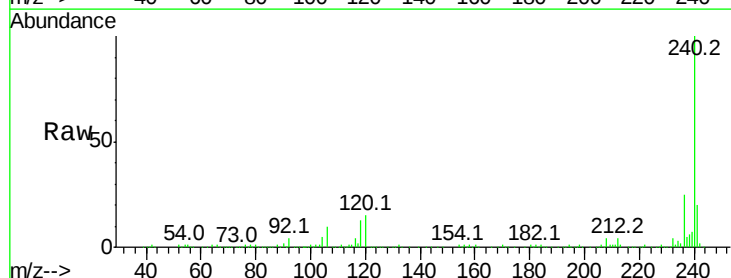
Tgt Ion:240 Resp: 355183

Ion Ratio Lower Upper

240 100

120 15.0 5.8 8.8#

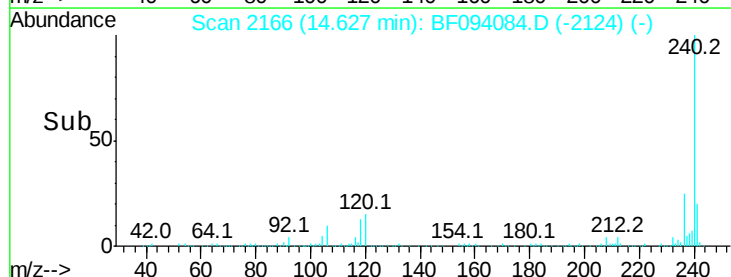
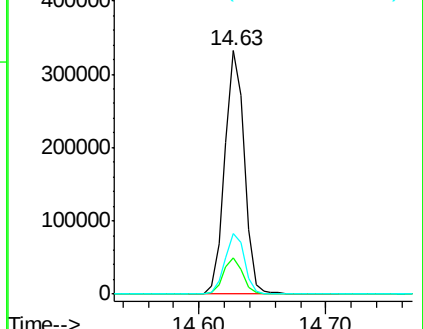
236 24.8 20.5 30.7

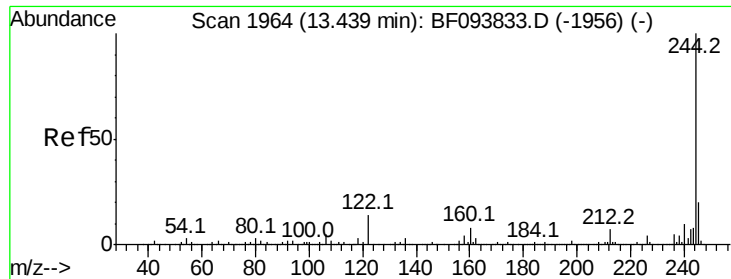


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 51.32 ng

RT: 13.36 min Scan# 1950

Delta R.T. -0.05 min

Lab File: BF094084.D

Acq: 31 Mar 2017 3:18

Instrument :

BNA_F

ClientSampleId :

TP-9(1.5-2)

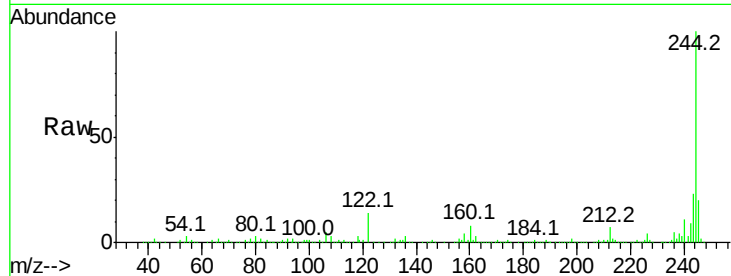
Tot Ion:244 Resp: 813146

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

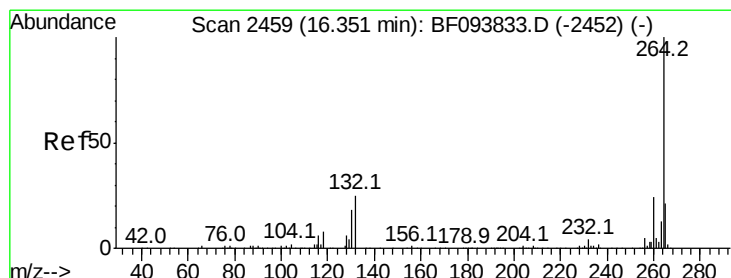
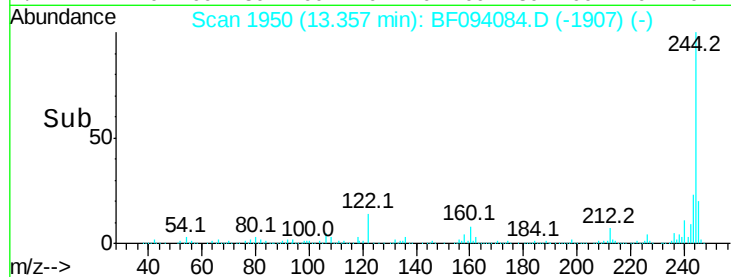
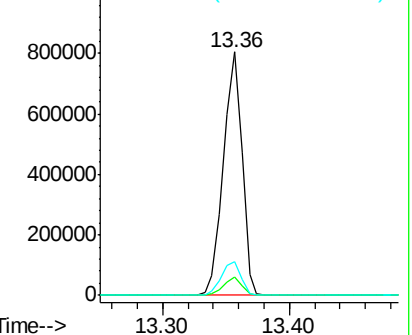
122 13.7 10.3 15.5



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: 16.26 min Scan# 2444

Delta R.T. -0.05 min

Lab File: BF094084.D

Acq: 31 Mar 2017 3:18

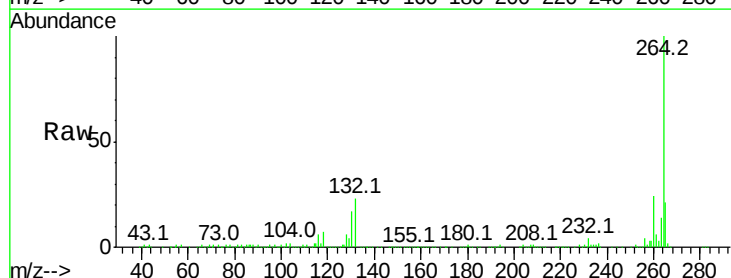
Tgt Ion:264 Resp: 326390

Ion Ratio Lower Upper

264 100

260 24.3 19.5 29.3

265 21.4 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

