

Data Path : Z:\HPCHEM1\BNA F\DATA\BF033117\
 Data File : BF094092.D
 Acq On : 31 Mar 2017 13:26
 Operator : SJ/MA
 Sample : PB97953BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB97953BL

Quant Time: Mar 31 23:05:43 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 14:38:29 2017
 Response via : Initial Calibration

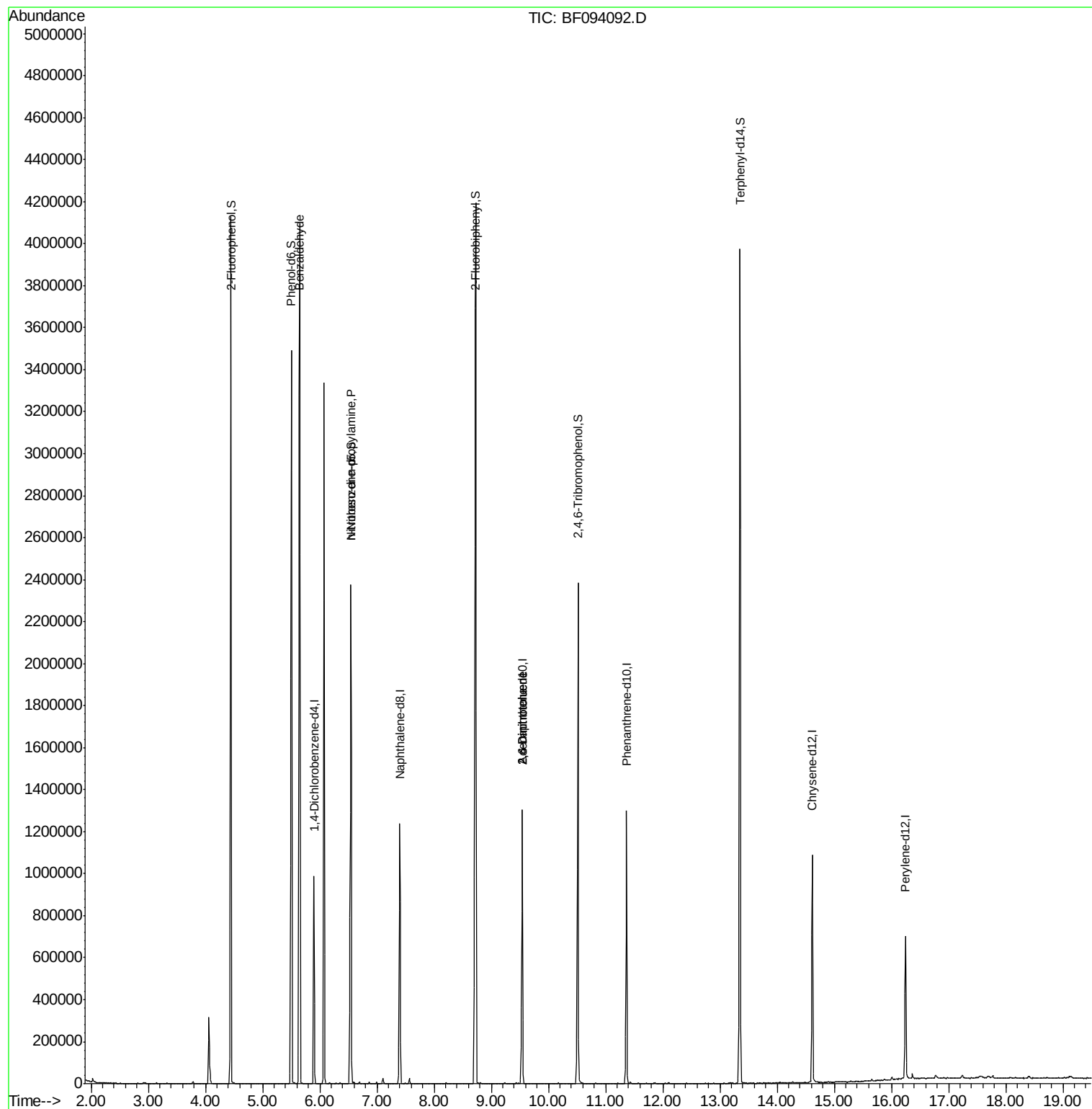
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.90	152	170475	20.00	ng	0.00
21) Naphthalene-d8	7.40	136	690394	20.00	ng	-0.01
38) Acenaphthene-d10	9.54	164	313431	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	555214	20.00	ng	-0.01
75) Chrysene-d12	14.62	240	416241	20.00	ng	-0.01
86) Perylene-d12	16.25	264	280334	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.45	112	1330140	131.79	ng	0.01
7) Phenol-d6	5.50	99	1673853	134.06	ng	0.00
23) Nitrobenzene-d5	6.55	82	1033569	85.44	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	341523	137.89	ng	0.00
44) 2-Fluorobiphenyl	8.73	172	1909626	92.93	ng	0.00
78) Terphenyl-d14	13.35	244	1544858	83.19	ng	0.00
Target Compounds						
9) Benzaldehyde	5.65	77	27837	3.30	ng	Qvalue 83
19) n-Nitroso-di-n-propylamine	6.55	70	137265	17.10	ng	# 78
50) 2,6-Dinitrotoluene	9.54	165	39267	7.69	ng	# 34
56) 2,4-Dinitrotoluene	9.54	165	39267	6.12	ng	# 33

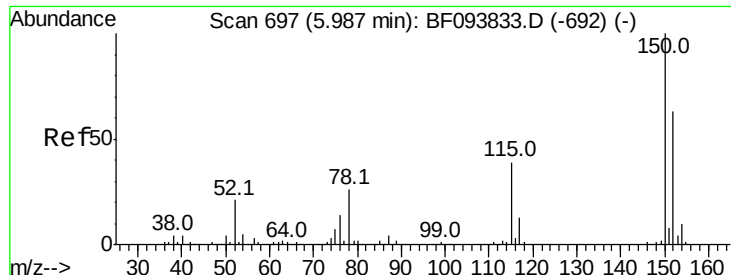
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.90 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF094092.D

Acq: 31 Mar 2017 13:26

Instrument :

BNA_F

ClientSampleId :

PB97953BL

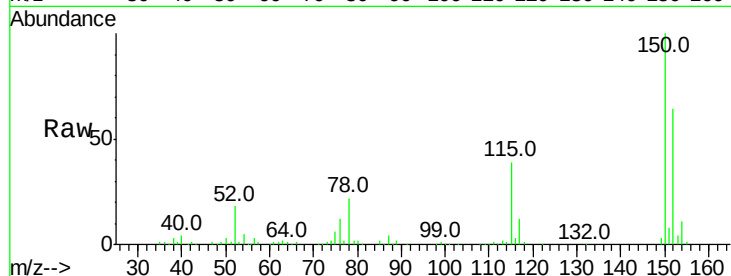
Tot Ion:152 Resp: 170475

Ion Ratio Lower Upper

152 100

150 155.0 126.2 189.2

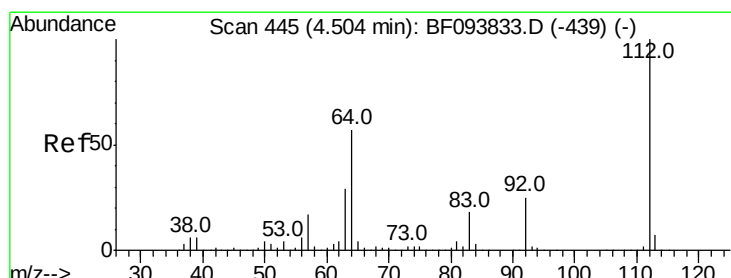
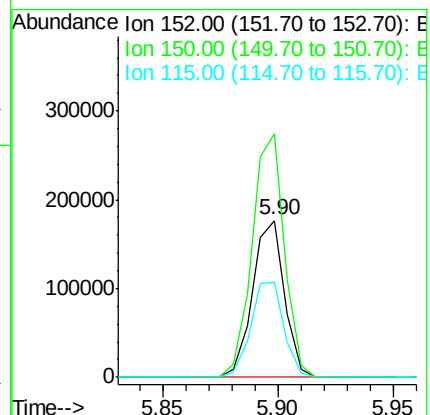
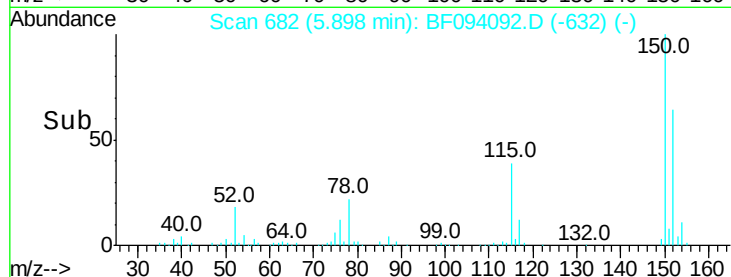
115 60.3 52.2 78.2



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: 131.79 ng

RT: 4.45 min Scan# 435

Delta R.T. 0.01 min

Lab File: BF094092.D

Acq: 31 Mar 2017 13:26

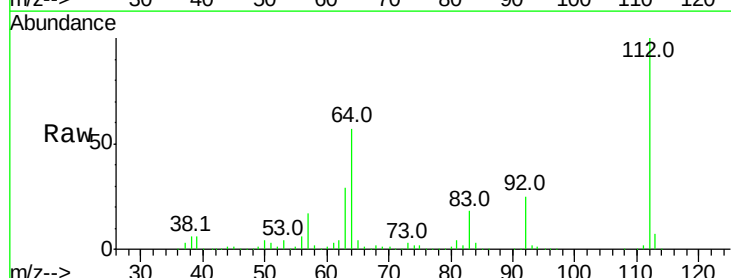
Tgt Ion:112 Resp: 1330140

Ion Ratio Lower Upper

112 100

64 57.0 46.0 69.0

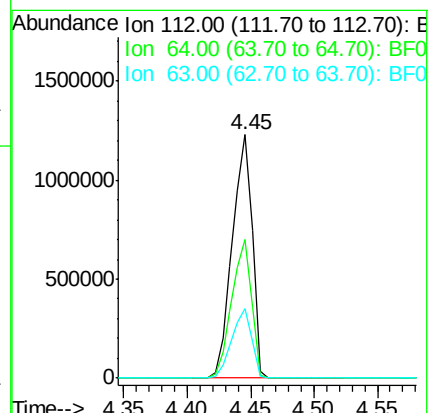
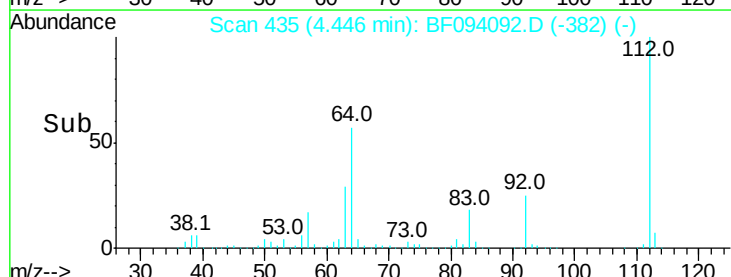
63 28.8 23.4 35.0

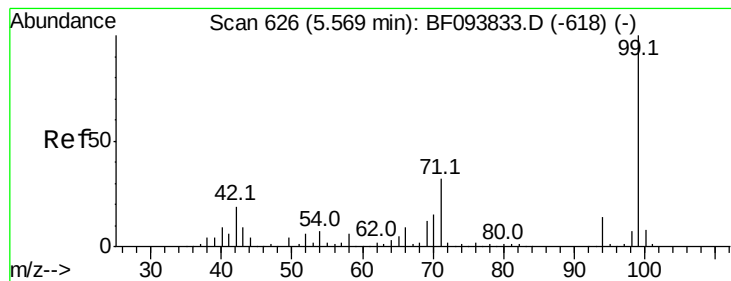


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 134.06 ng

RT: 5.50 min Scan# 615

Delta R.T. -0.01 min

Lab File: BF094092.D

Acq: 31 Mar 2017 13:26

Instrument :

BNA_F

ClientSampleId :

PB97953BL

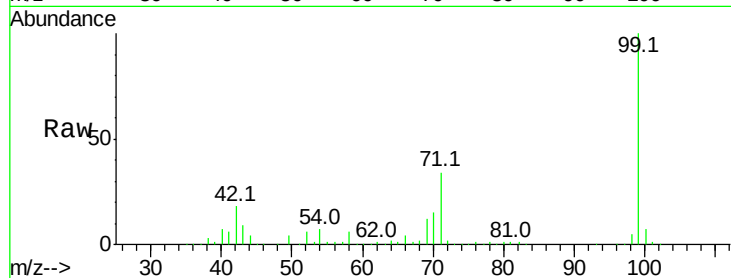
Tot Ion: 99 Resp: 1673853

Ion Ratio Lower Upper

99 100

42 17.7 13.5 20.3

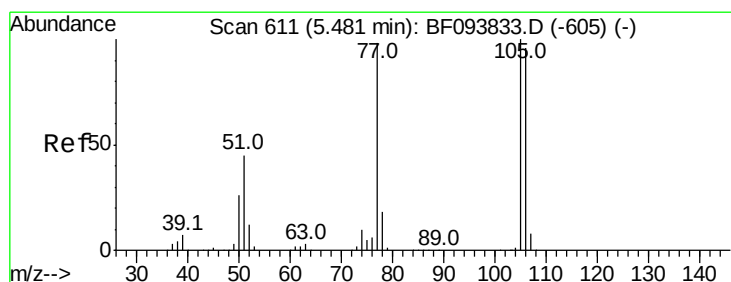
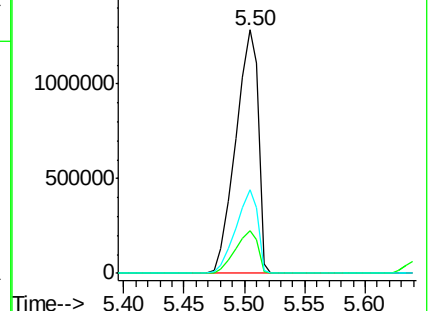
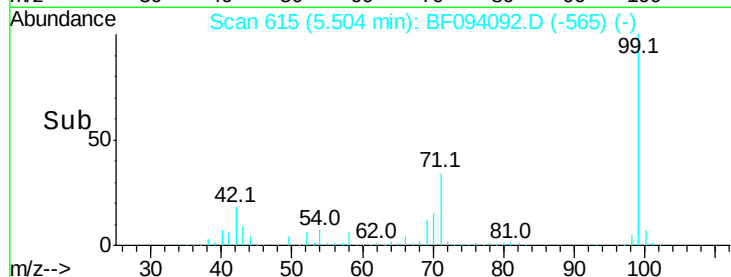
71 34.2 24.5 36.7



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: 3.30 ng

RT: 5.65 min Scan# 639

Delta R.T. 0.25 min

Lab File: BF094092.D

Acq: 31 Mar 2017 13:26

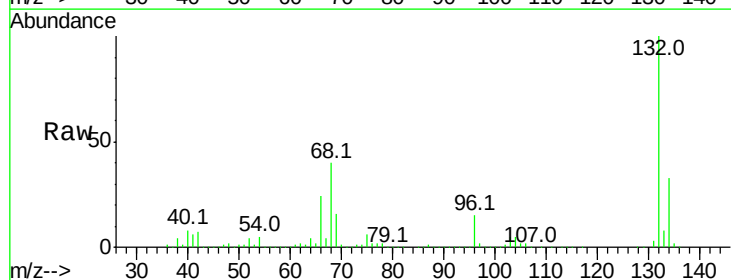
Tgt Ion: 77 Resp: 27837

Ion Ratio Lower Upper

77 100

105 85.6 83.8 123.8

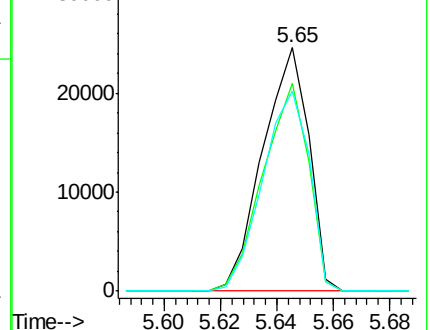
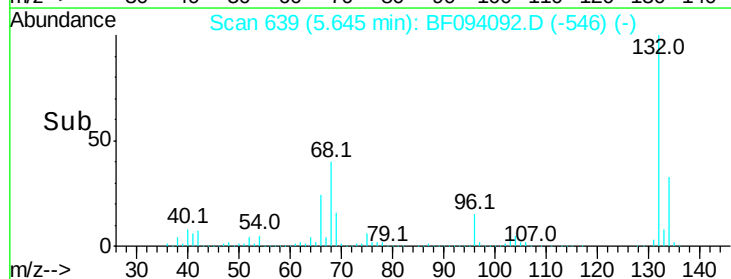
106 82.3 79.1 119.1

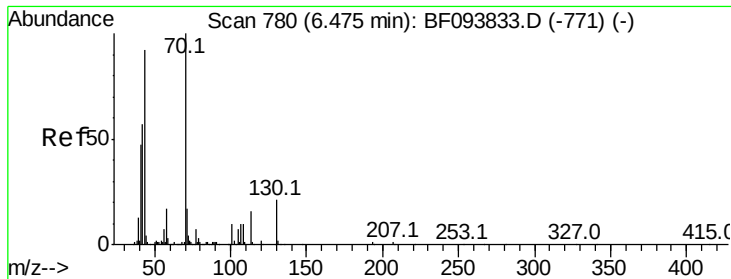


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 17.10 ng

RT: 6.55 min Scan# 792

Delta R.T. 0.15 min

Lab File: BF094092.D

Acq: 31 Mar 2017 13:26

Instrument :

BNA_F

ClientSampleId :

PB97953BL

Tot Ion: 70 Resp: 137265

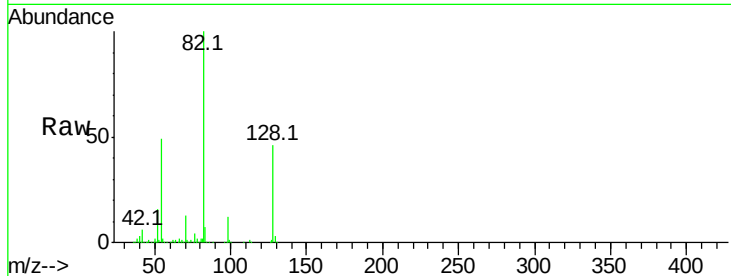
Ion Ratio Lower Upper

70 100

42 46.9 47.2 70.8#

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#

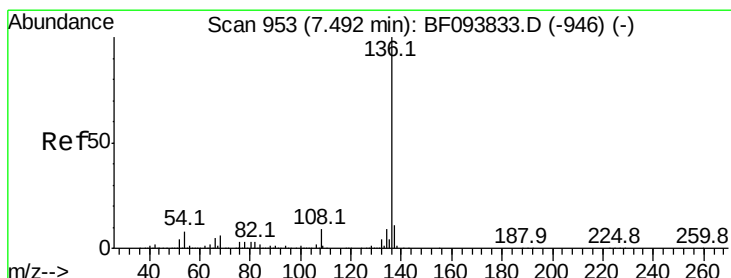
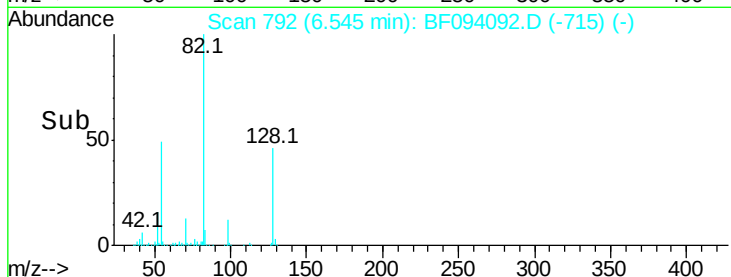
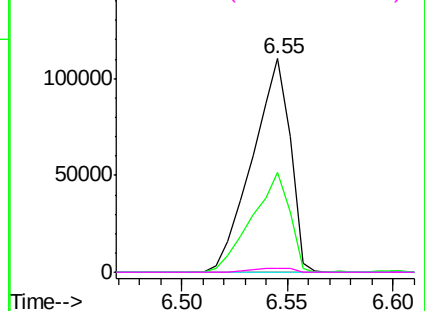


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.40 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF094092.D

Acq: 31 Mar 2017 13:26

Tgt Ion: 136 Resp: 690394

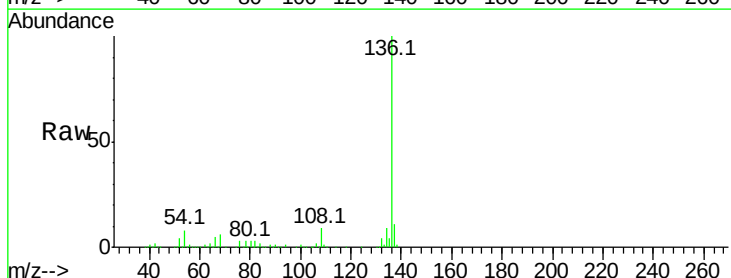
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 7.5 4.9 7.3#

68 6.0 4.1 6.1

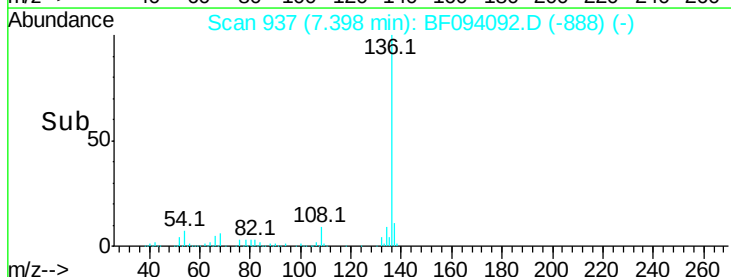
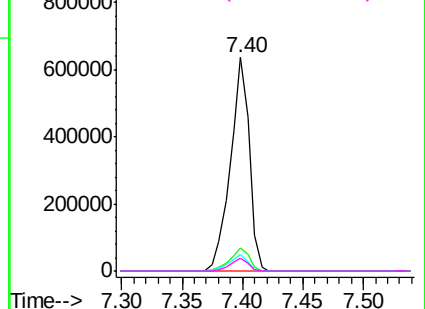


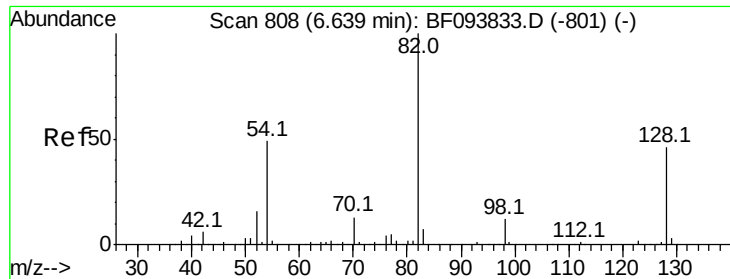
Abundance Ion 136.00 (135.70 to 136.70): BF0

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

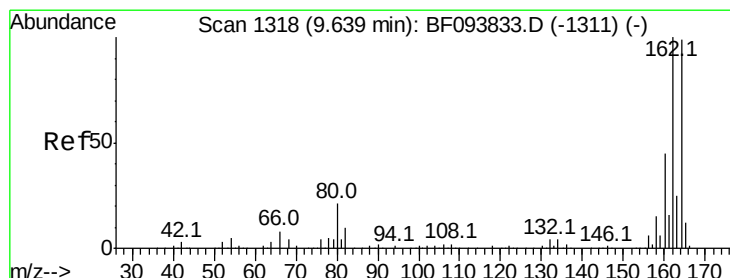
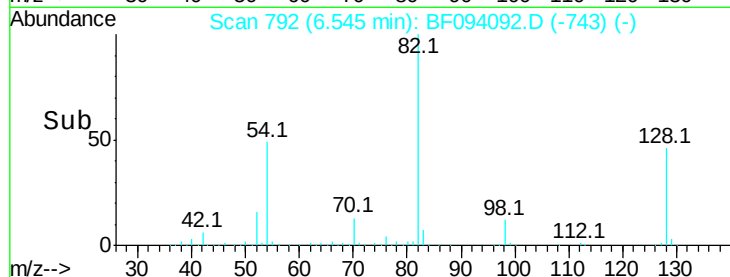
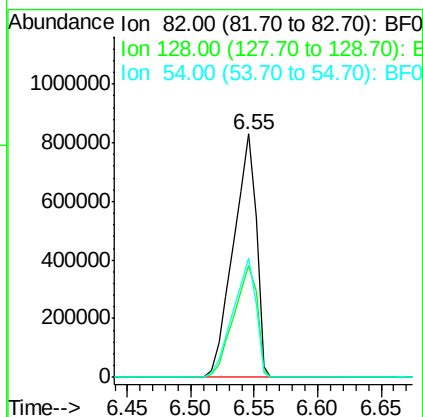
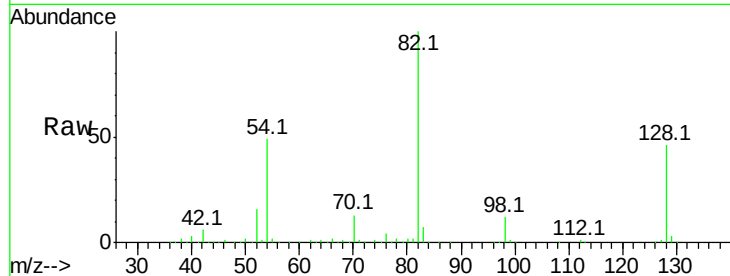




#23
 Nitrobenzene-d5
 Concen: 85.44 ng
 RT: 6.55 min Scan# 792
 Delta R.T. -0.01 min
 Lab File: BF094092.D
 Acq: 31 Mar 2017 13:26

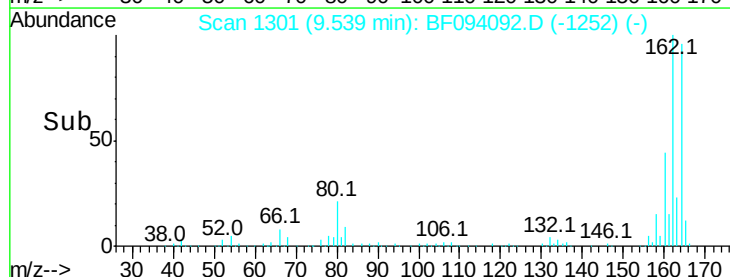
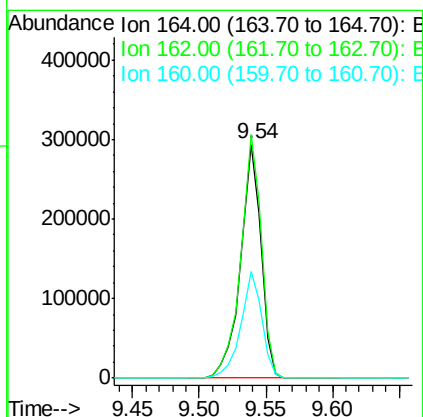
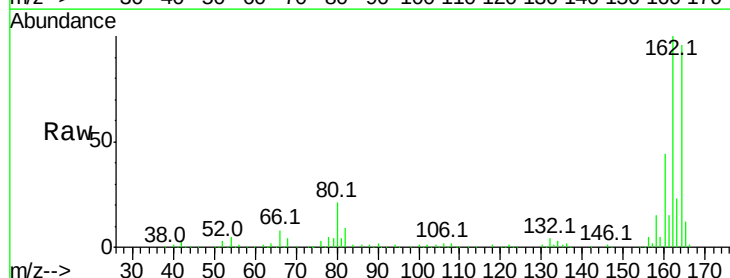
Instrument :
 BNA_F
 ClientSampled :
 PB97953BL

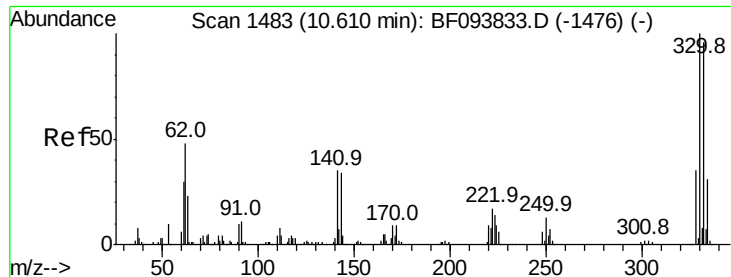
Tot Ion: 82 Resp: 1033569
 Ion Ratio Lower Upper
 82 100
 128 46.2 34.0 51.0
 54 48.9 42.2 63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.54 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: BF094092.D
 Acq: 31 Mar 2017 13:26

Tgt Ion: 164 Resp: 313431
 Ion Ratio Lower Upper
 164 100
 162 104.3 82.6 123.8
 160 45.5 36.2 54.2

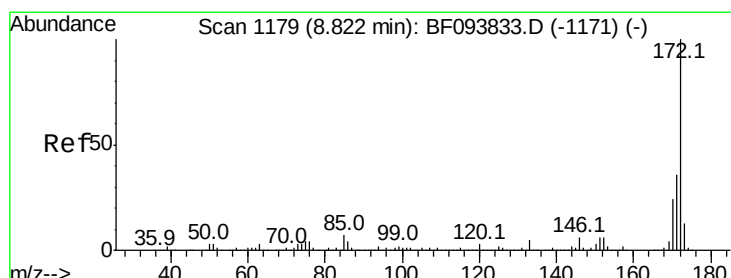
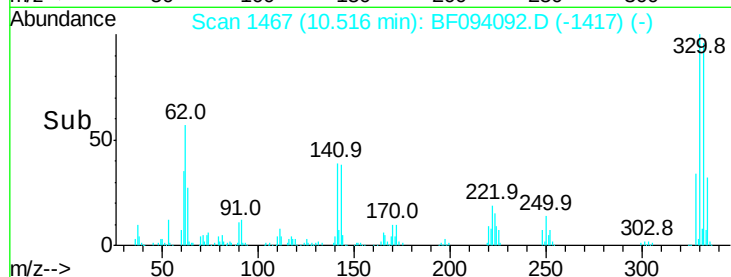
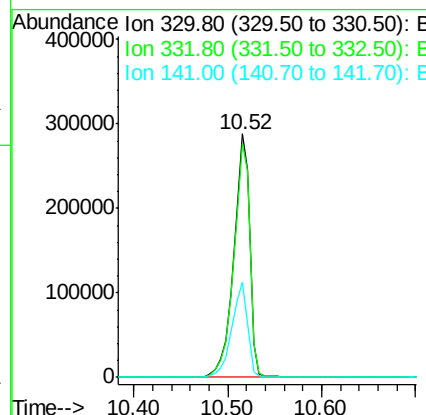
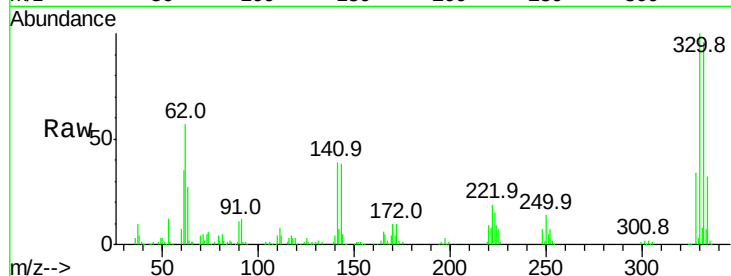




#41
 2,4,6-Tribromophenol
 Concen: 137.89 ng
 RT: 10.52 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF094092.D
 Acq: 31 Mar 2017 13:26

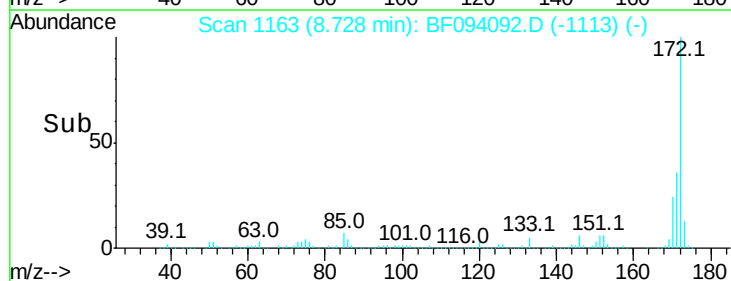
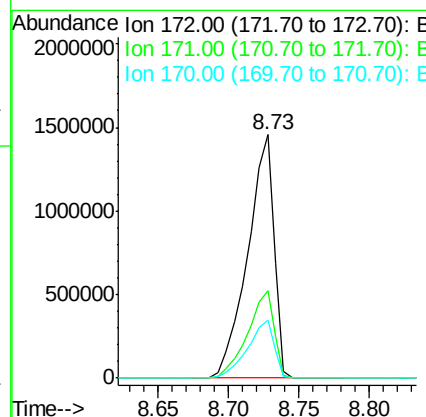
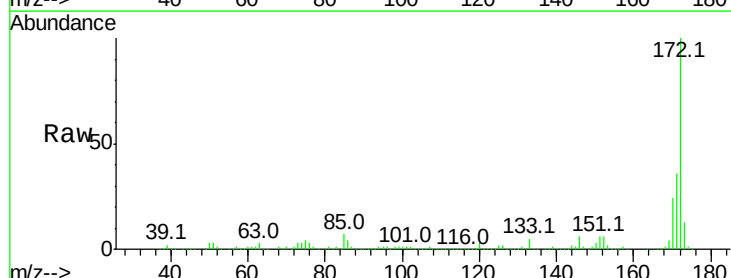
Instrument :
 BNA_F
 ClientSampleId :
 PB97953BL

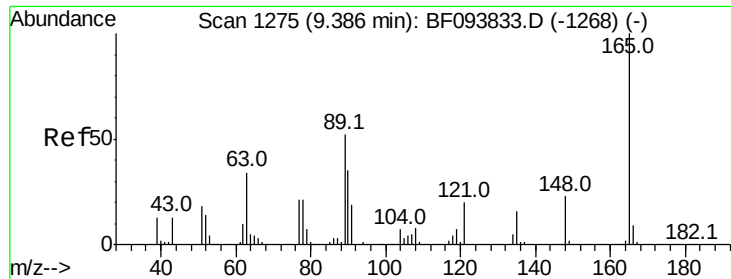
Tot Ion:330 Resp: 341523
 Ion Ratio Lower Upper
 330 100
 332 97.2 76.6 115.0
 141 38.8 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 92.93 ng
 RT: 8.73 min Scan# 1163
 Delta R.T. -0.01 min
 Lab File: BF094092.D
 Acq: 31 Mar 2017 13:26

Tgt Ion:172 Resp: 1909626
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.6 44.4
 170 24.0 19.8 29.8

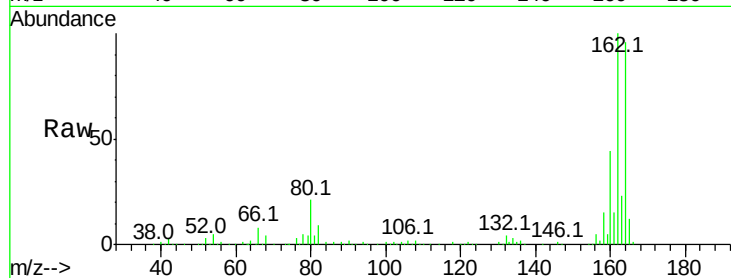




#50
 2,6-Dinitrotoluene
 Concen: 7.69 ng
 RT: 9.54 min Scan# 1301
 Delta R.T. 0.24 min
 Lab File: BF094092.D
 Acq: 31 Mar 2017 13:26

Instrument :
 BNA_F
 ClientSampleId :
 PB97953BL

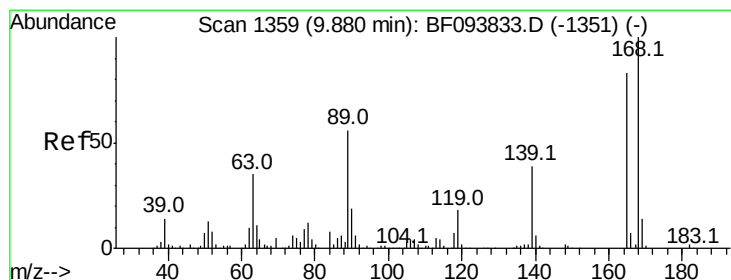
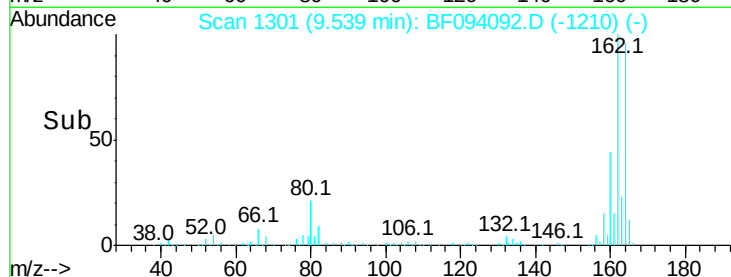
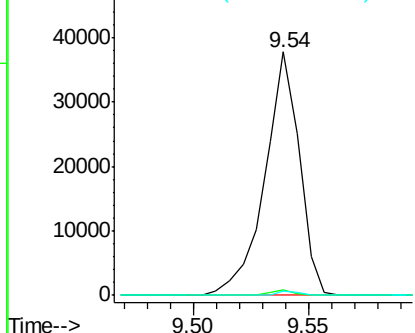
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.0	34.3	51.5#
89	1.6	37.1	55.7#



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: 6.12 ng
 RT: 9.54 min Scan# 1301
 Delta R.T. -0.26 min
 Lab File: BF094092.D
 Acq: 31 Mar 2017 13:26

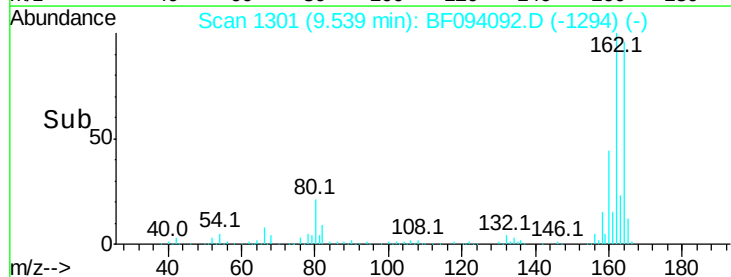
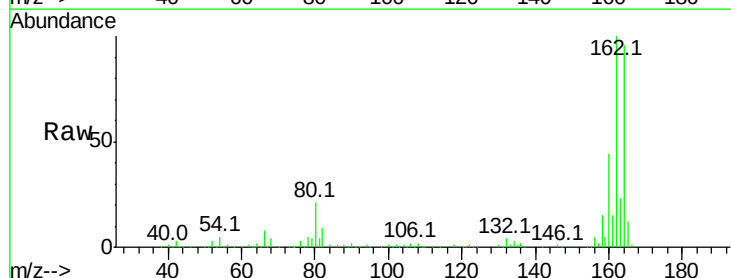
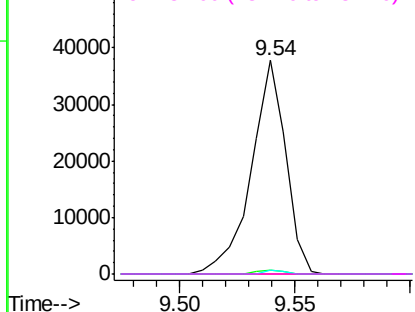
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	25.4	38.0#
89	1.6	46.4	69.6#
182	0.0	1.8	2.6#

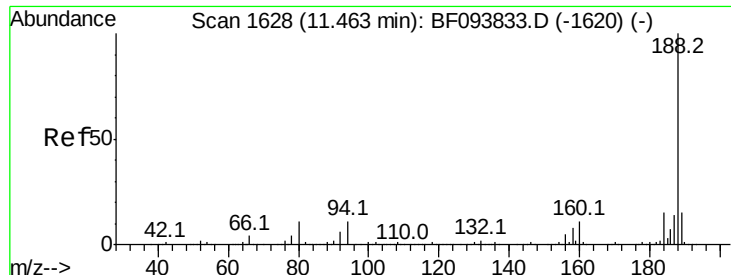
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.36 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BF094092.D

Acq: 31 Mar 2017 13:26

Instrument :

BNA_F

ClientSampleId :

PB97953BL

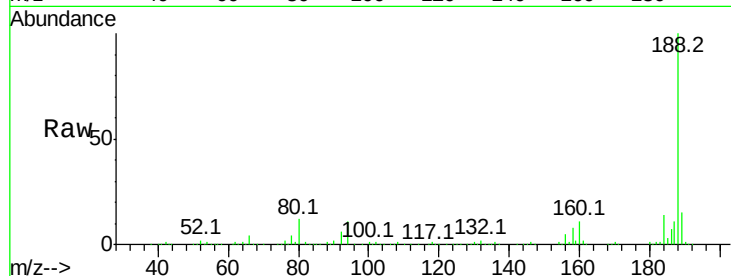
Tot Ion:188 Resp: 555214

Ion Ratio Lower Upper

188 100

94 10.8 9.4 14.2

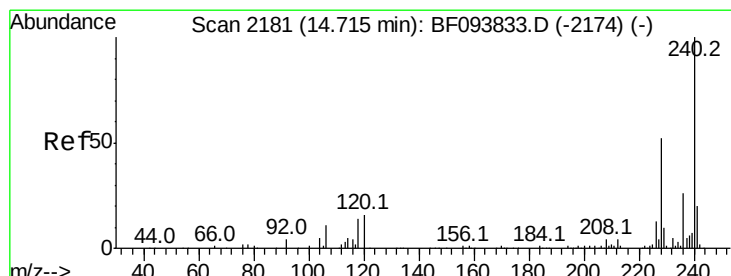
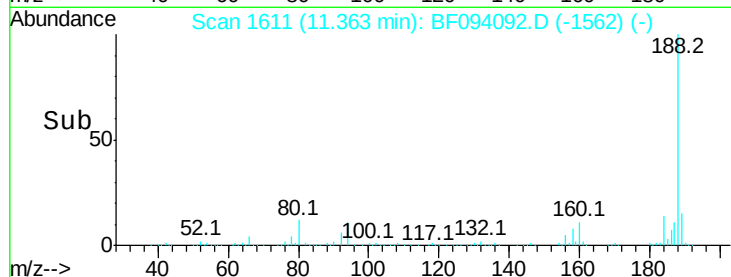
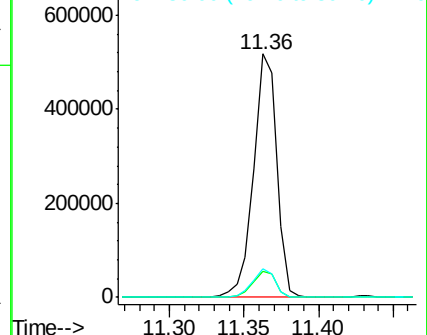
80 12.0 10.2 15.2



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: 14.62 min Scan# 2164

Delta R.T. -0.01 min

Lab File: BF094092.D

Acq: 31 Mar 2017 13:26

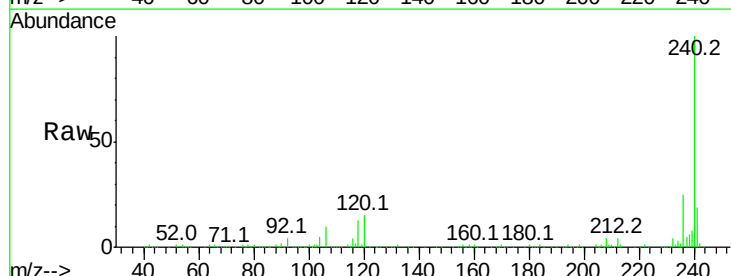
Tgt Ion:240 Resp: 416241

Ion Ratio Lower Upper

240 100

120 15.1 5.8 8.8#

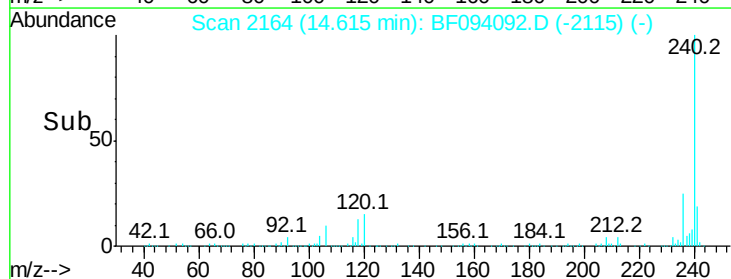
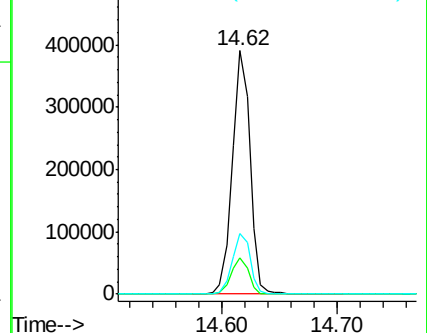
236 25.1 20.5 30.7

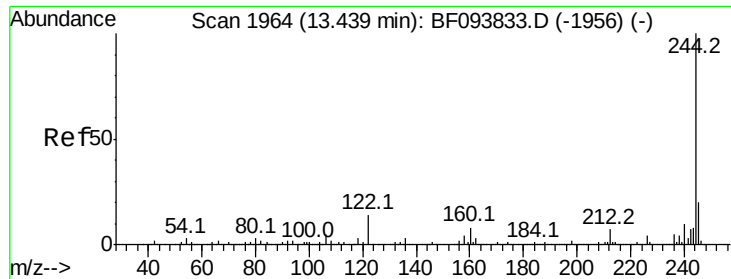


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

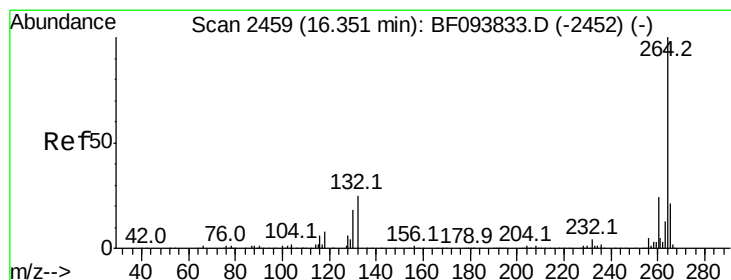
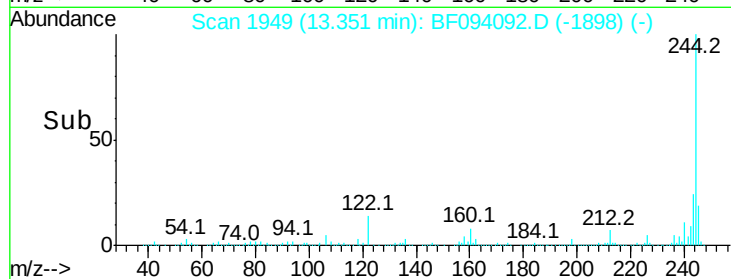
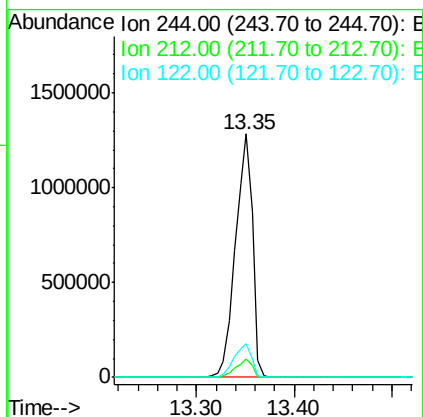
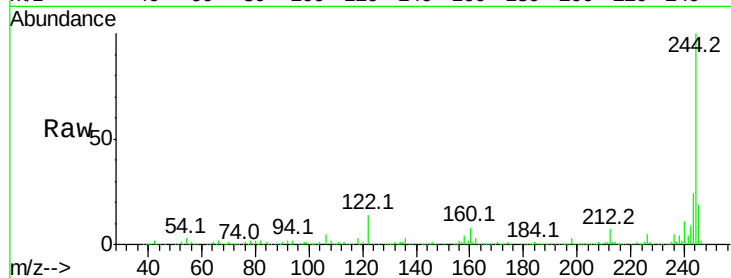




#78
 Terphenyl-d14
 Concen: 83.19 ng
 RT: 13.35 min Scan# 1949
 Delta R.T. -0.00 min
 Lab File: BF094092.D
 Acq: 31 Mar 2017 13:26

Instrument :
 BNA_F
 ClientSampleId :
 PB97953BL

Tot Ion:244 Resp: 1544858
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 13.8 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.25 min Scan# 2442
 Delta R.T. -0.00 min
 Lab File: BF094092.D
 Acq: 31 Mar 2017 13:26

Tgt Ion:264 Resp: 280334
 Ion Ratio Lower Upper
 264 100
 260 23.0 19.5 29.3
 265 20.5 17.2 25.8

