

Data Path : Z:\HPCHEM1\BNA F\DATA\BF033117\
 Data File : BF094095.D
 Acq On : 31 Mar 2017 14:48
 Operator : SJ/MA
 Sample : I2458-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-4-S2(5.5-6)

Quant Time: Mar 31 23:06:49 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

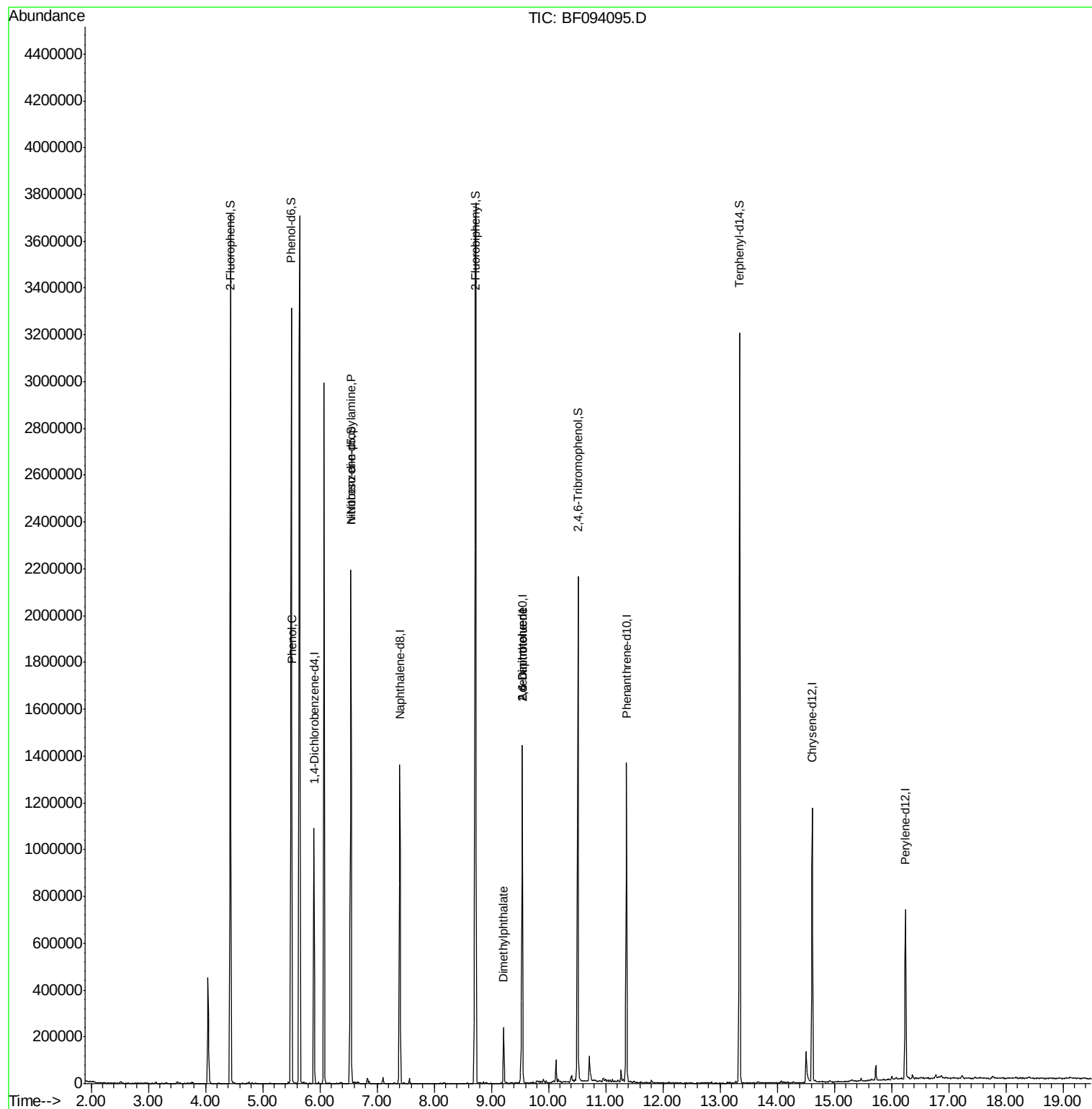
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.90	152	181199	20.00	ng	0.00
21) Naphthalene-d8	7.40	136	725975	20.00	ng	-0.01
38) Acenaphthene-d10	9.54	164	334060	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	575474	20.00	ng	-0.01
75) Chrysene-d12	14.62	240	430033	20.00	ng	-0.01
86) Perylene-d12	16.24	264	289658	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.44	112	1151781	107.36	ng	0.00
7) Phenol-d6	5.50	99	1467532	110.58	ng	0.00
23) Nitrobenzene-d5	6.55	82	903908	71.06	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	295337	111.88	ng	0.00
44) 2-Fluorobiphenyl	8.73	172	1586454	72.43	ng	0.00
78) Terphenyl-d14	13.34	244	1229627	64.09	ng	0.00
Target Compounds						
10) Phenol	5.52	94	36223	2.40	ng	88
19) n-Nitroso-di-n-propylamine	6.55	70	118089	13.84	ng	# 78
49) Dimethylphthalate	9.22	163	110622	4.66	ng	98
50) 2,6-Dinitrotoluene	9.54	165	41498	7.62	ng	# 33
56) 2,4-Dinitrotoluene	9.54	165	41498	6.07	ng	# 33

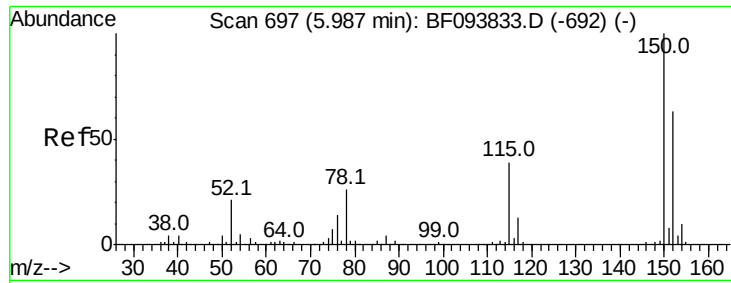
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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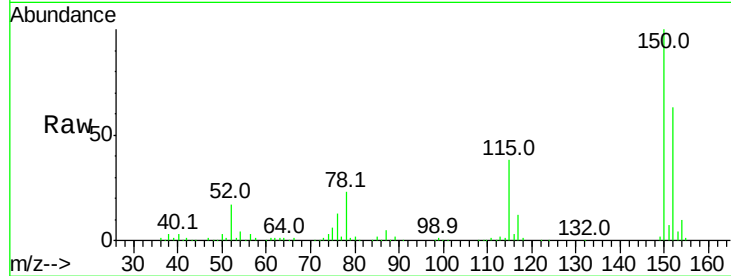


#1

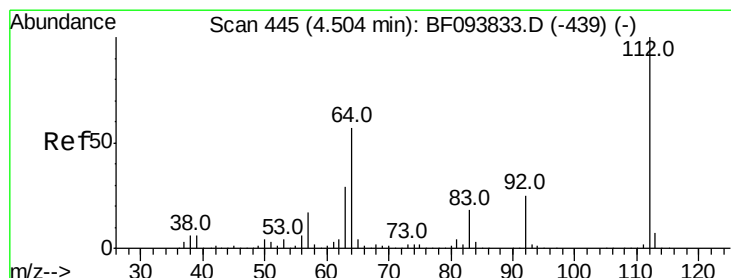
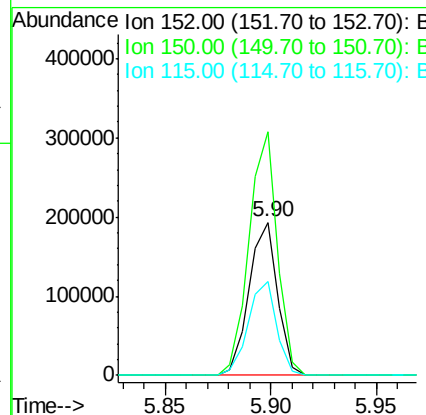
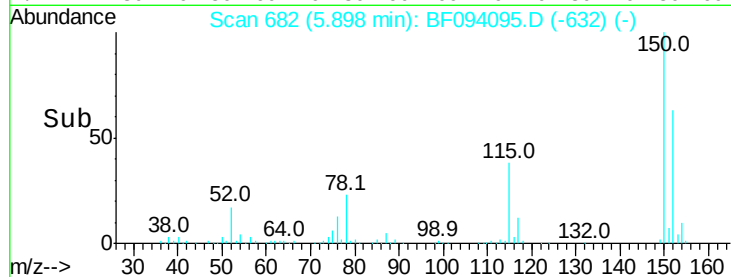
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.90 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF094095.D
Acq: 31 Mar 2017 14:48

Instrument :
BNA_F
ClientSampleId :
B-4-S2(5.5-6)

Tot Ion:152 Resp: 181199
Ion Ratio Lower Upper
152 100
150 159.1 126.2 189.2
115 61.0 52.2 78.2



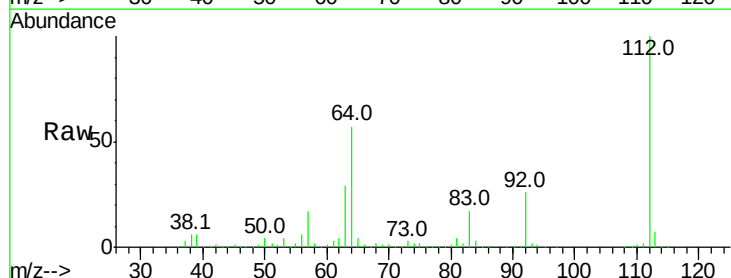
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



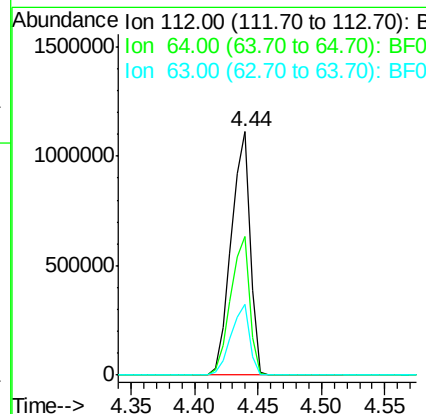
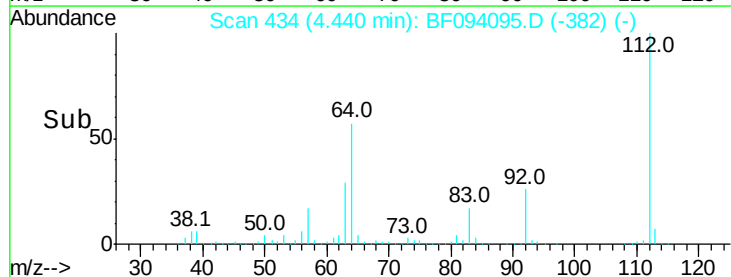
#5

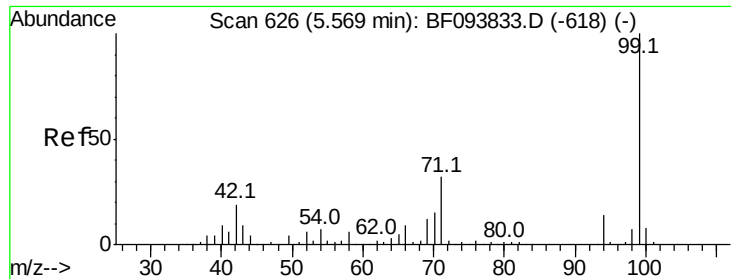
2-Fluorophenol
Concen: 107.36 ng
RT: 4.44 min Scan# 434
Delta R.T. 0.01 min
Lab File: BF094095.D
Acq: 31 Mar 2017 14:48

Tgt Ion:112 Resp: 1151781
Ion Ratio Lower Upper
112 100
64 56.8 46.0 69.0
63 28.9 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: 110.58 ng

RT: 5.50 min Scan# 615

Delta R.T. -0.01 min

Lab File: BF094095.D

Acq: 31 Mar 2017 14:48

Instrument :

BNA_F

ClientSampleId :

B-4-S2(5.5-6)

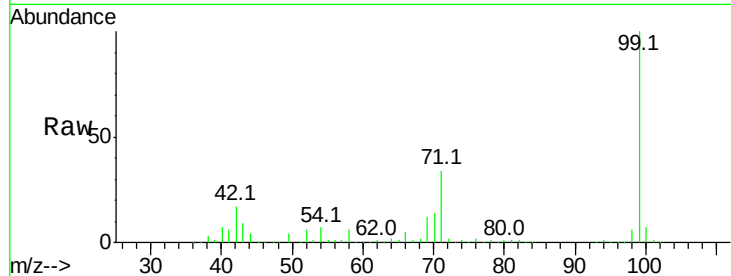
Tot Ion: 99 Resp: 1467532

Ion Ratio Lower Upper

99 100

42 17.4 13.5 20.3

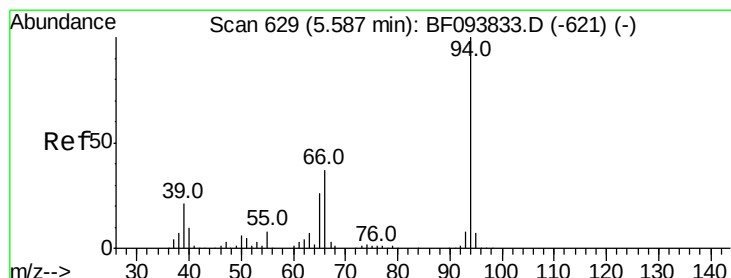
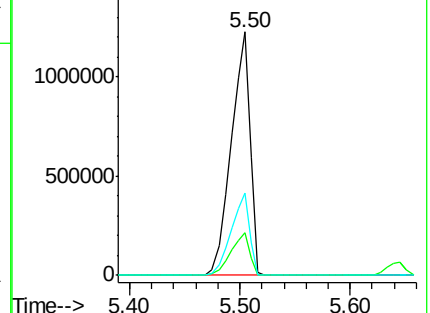
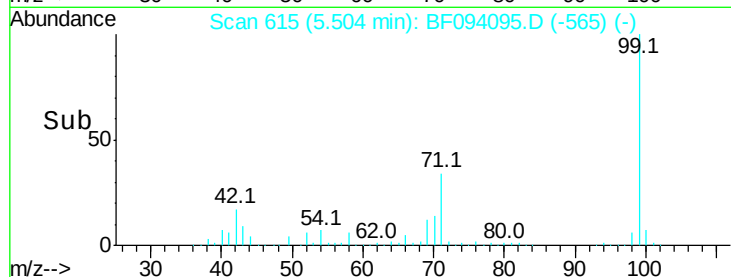
71 33.7 24.5 36.7



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



#10

Phenol

Concen: 2.40 ng

RT: 5.52 min Scan# 617

Delta R.T. -0.01 min

Lab File: BF094095.D

Acq: 31 Mar 2017 14:48

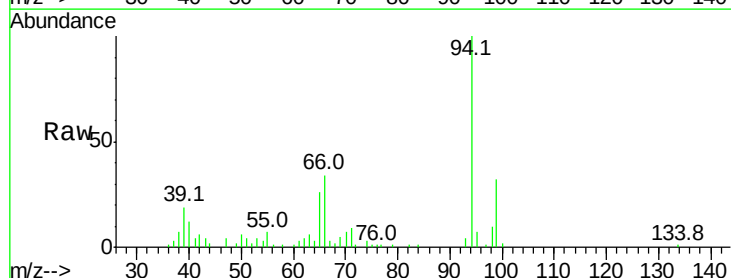
Tgt Ion: 94 Resp: 36223

Ion Ratio Lower Upper

94 100

65 25.6 9.9 49.9

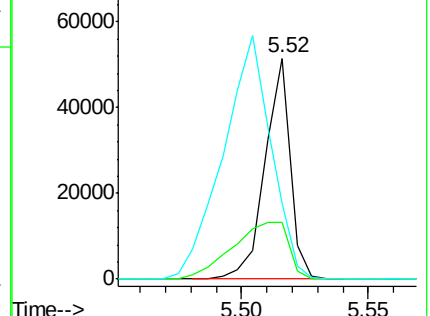
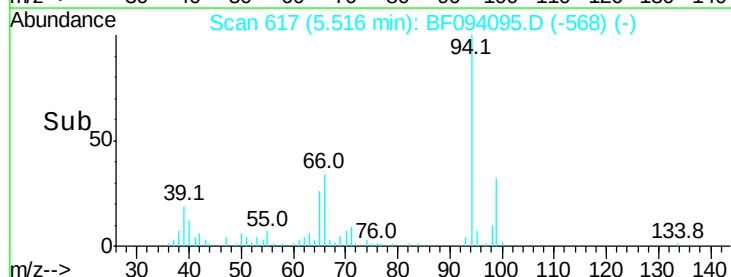
66 34.1 23.1 63.1

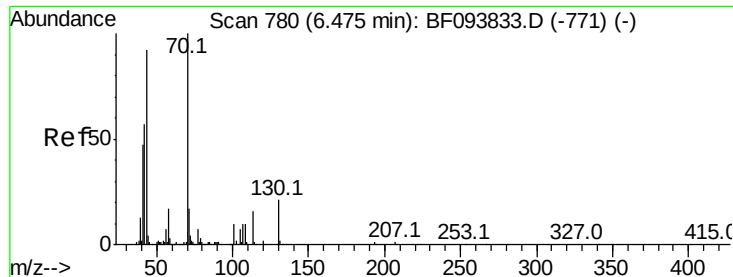


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 13.84 ng

RT: 6.55 min Scan# 792

Delta R.T. 0.15 min

Lab File: BF094095.D

Acq: 31 Mar 2017 14:48

Instrument :

BNA_F

ClientSampleId :

B-4-S2(5.5-6)

Tot Ion: 70 Resp: 118089

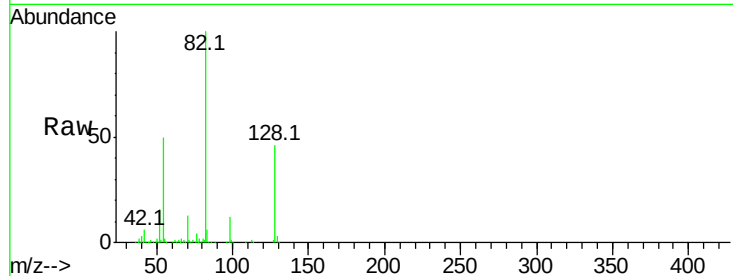
Ion Ratio Lower Upper

70 100

42 46.5 47.2 70.8#

101 0.0 7.2 10.8#

130 2.5 15.9 23.9#

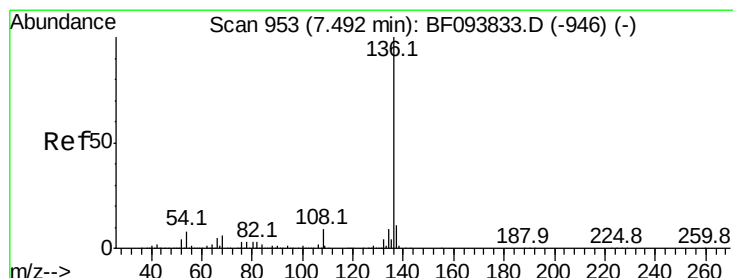
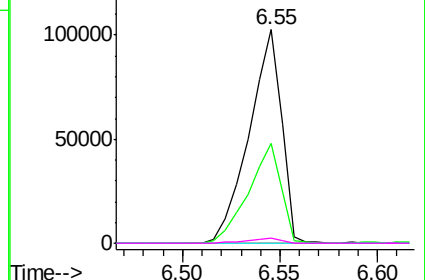
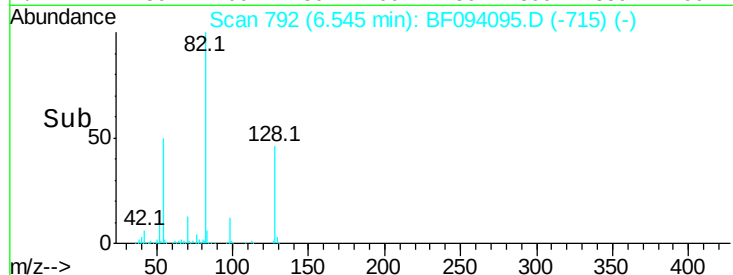


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.40 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF094095.D

Acq: 31 Mar 2017 14:48

Tgt Ion: 136 Resp: 725975

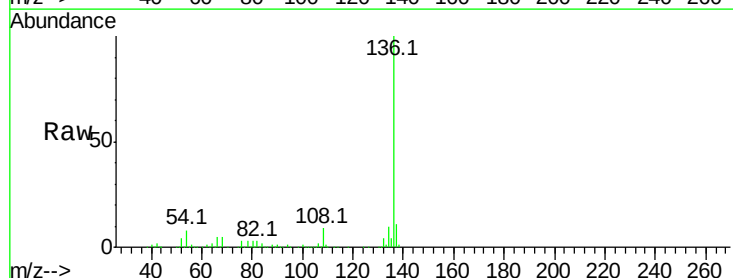
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 7.7 4.9 7.3#

68 5.5 4.1 6.1

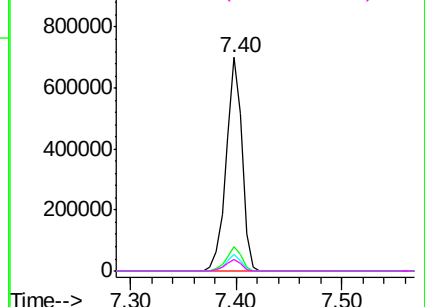
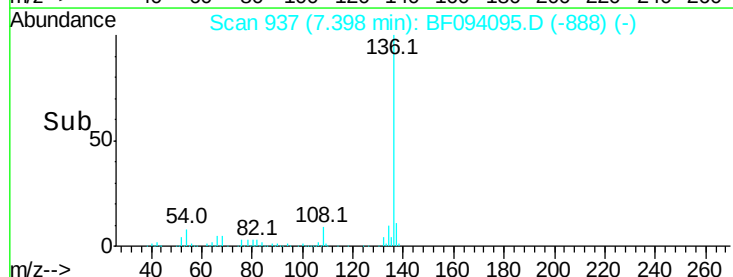


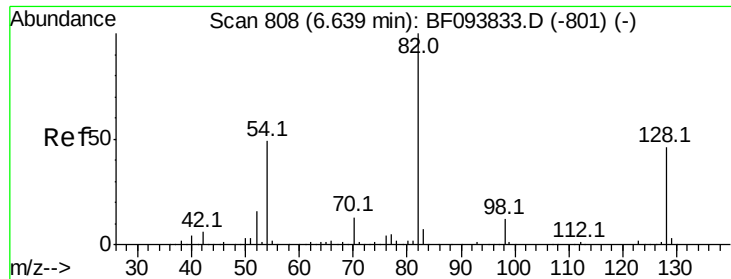
Abundance Ion 136.00 (135.70 to 136.70): E

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

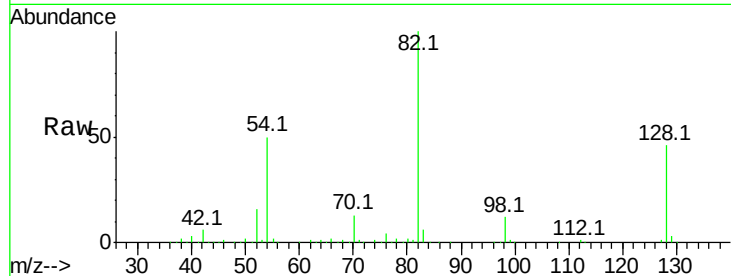




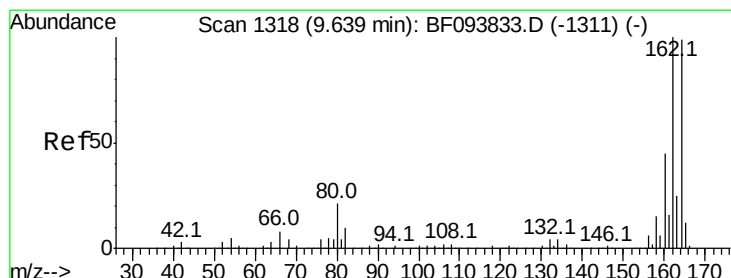
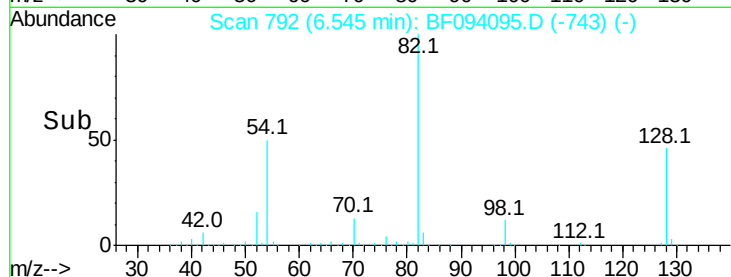
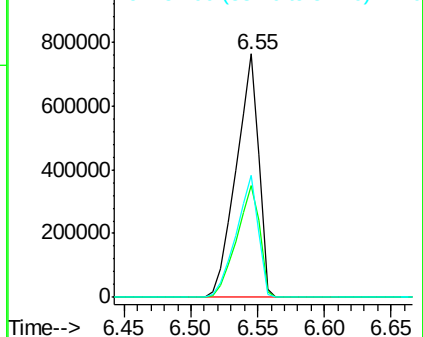
#23
Nitrobenzene-d5
Concen: 71.06 ng
RT: 6.55 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF094095.D
Acq: 31 Mar 2017 14:48

Instrument :
BNA_F
ClientSampleId :
B-4-S2(5.5-6)

Tot Ion: 82 Resp: 903908
Ion Ratio Lower Upper
82 100
128 46.1 34.0 51.0
54 50.0 42.2 63.2

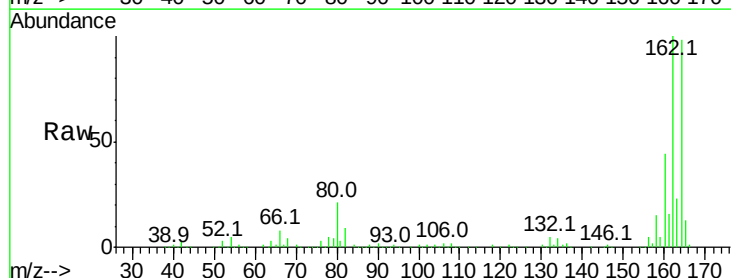


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

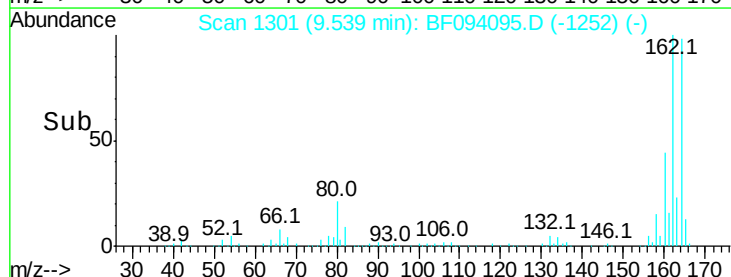
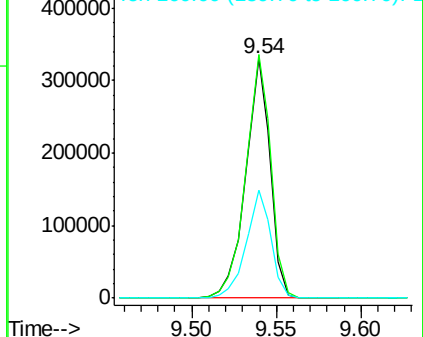


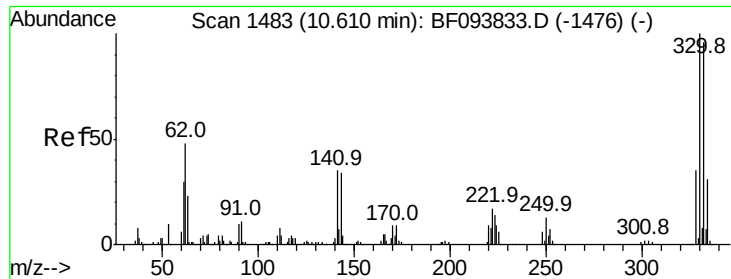
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.54 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BF094095.D
Acq: 31 Mar 2017 14:48

Tgt Ion:164 Resp: 334060
Ion Ratio Lower Upper
164 100
162 101.6 82.6 123.8
160 44.8 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: 111.88 ng

RT: 10.52 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BF094095.D

Acq: 31 Mar 2017 14:48

Instrument :

BNA_F

ClientSampleId :

B-4-S2(5.5-6)

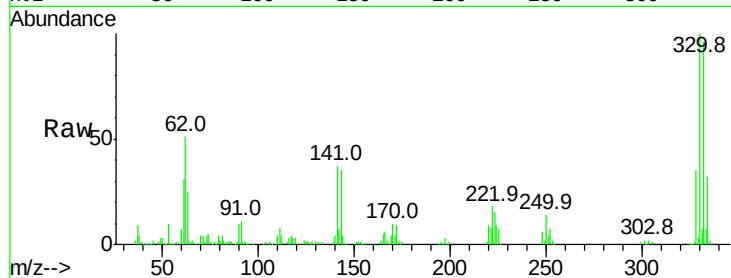
Tot Ion:330 Resp: 295337

Ion Ratio Lower Upper

330 100

332 96.0 76.6 115.0

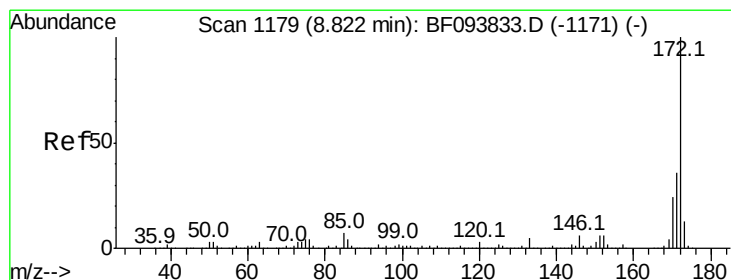
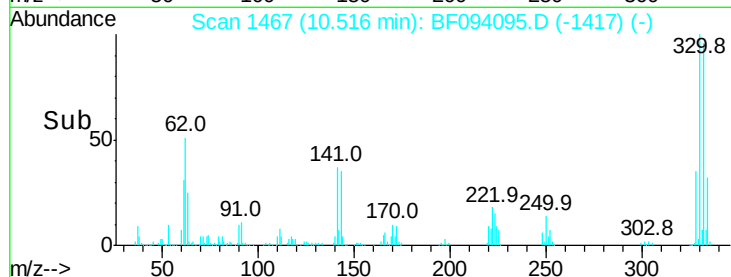
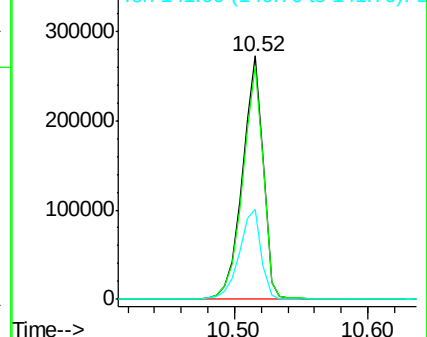
141 39.1 31.4 47.2



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: 72.43 ng

RT: 8.73 min Scan# 1163

Delta R.T. -0.01 min

Lab File: BF094095.D

Acq: 31 Mar 2017 14:48

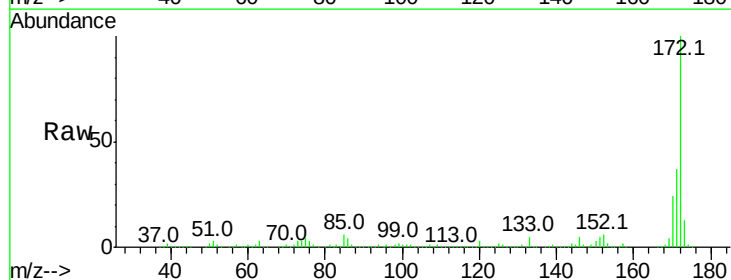
Tgt Ion:172 Resp: 1586454

Ion Ratio Lower Upper

172 100

171 37.1 29.6 44.4

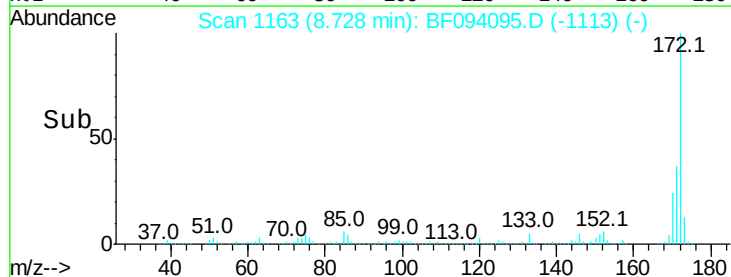
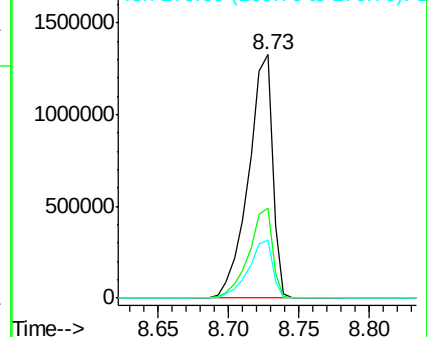
170 23.8 19.8 29.8

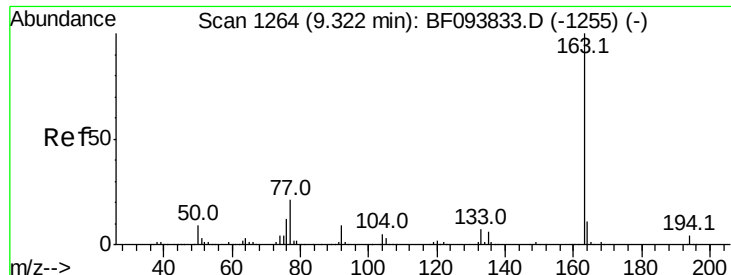


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 4.66 ng

RT: 9.22 min Scan# 1246

Delta R.T. -0.03 min

Lab File: BF094095.D

Acq: 31 Mar 2017 14:48

Instrument :

BNA_F

ClientSampleId :

B-4-S2(5.5-6)

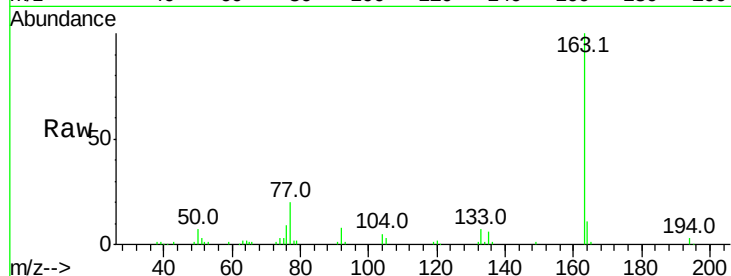
Tot Ion:163 Resp: 110622

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

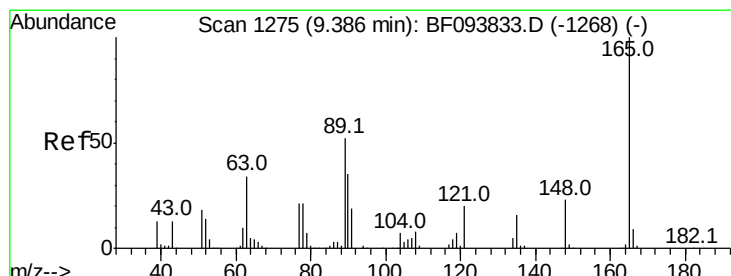
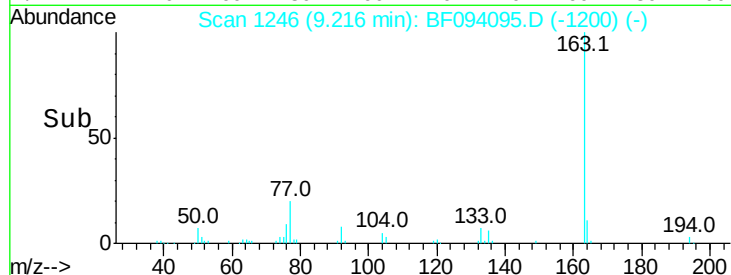
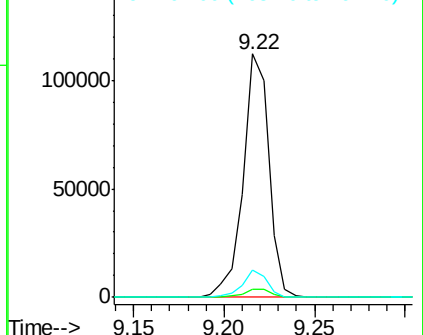
164 11.3 8.4 12.6



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: 7.62 ng

RT: 9.54 min Scan# 1301

Delta R.T. 0.24 min

Lab File: BF094095.D

Acq: 31 Mar 2017 14:48

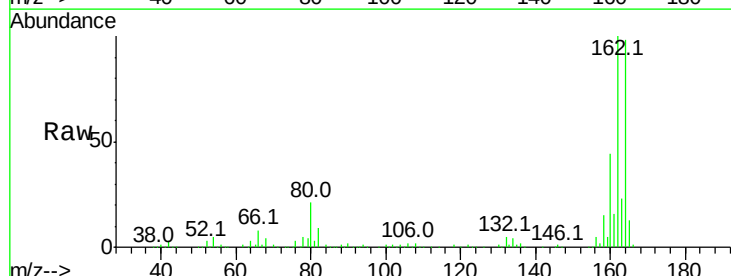
Tgt Ion:165 Resp: 41498

Ion Ratio Lower Upper

165 100

63 1.6 34.3 51.5#

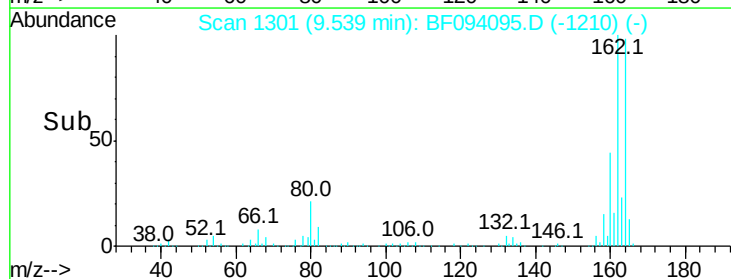
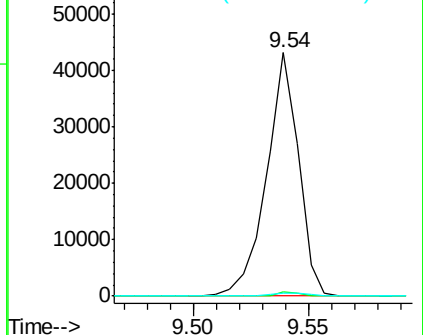
89 1.1 37.1 55.7#

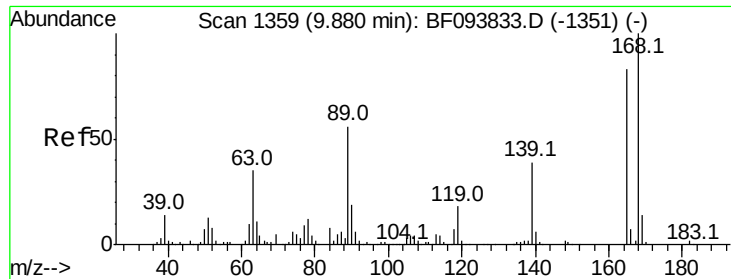


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

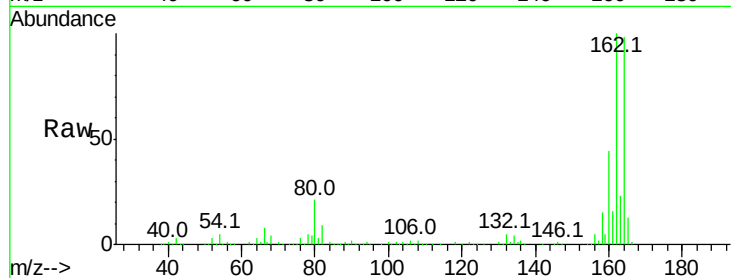




#56
 2,4-Dinitrotoluene
 Concen: 6.07 ng
 RT: 9.54 min Scan# 1301
 Delta R.T. -0.26 min
 Lab File: BF094095.D
 Acq: 31 Mar 2017 14:48

Instrument :
 BNA_F
 ClientSampleId :
 B-4-S2(5.5-6)

Tot Ion:	165	Resp:	41498
Ion Ratio	Lower	Upper	
165	100		
63	1.6	25.4	38.0#
89	1.1	46.4	69.6#
182	0.0	1.8	2.6#

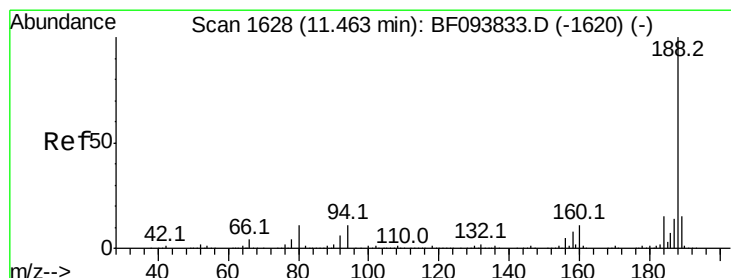
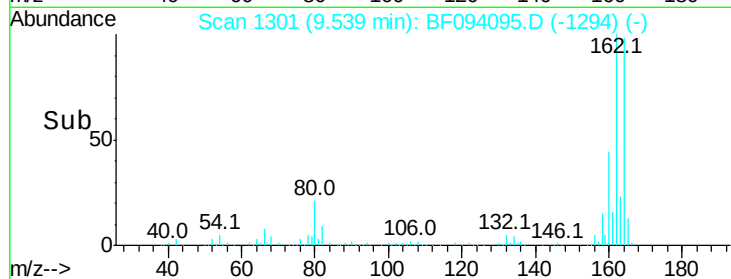
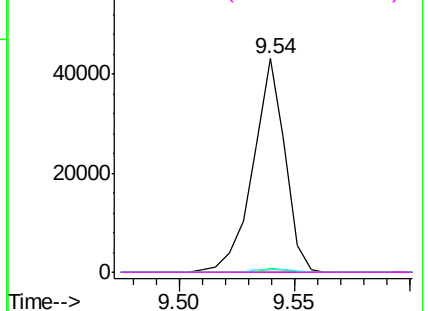


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

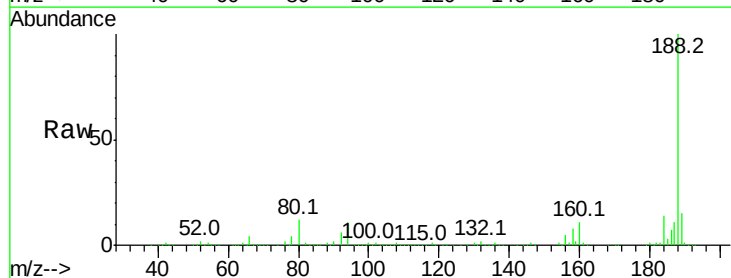
Ion 89.00 (88.70 to 89.70): BF0

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: BF094095.D
 Acq: 31 Mar 2017 14:48

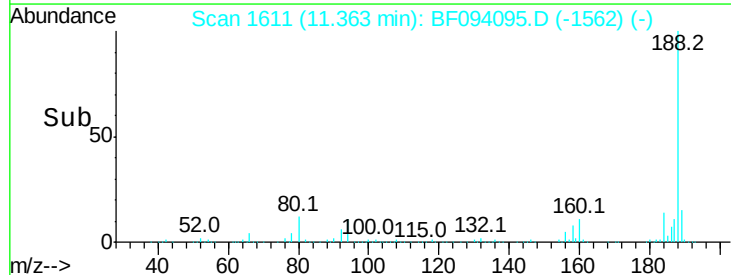
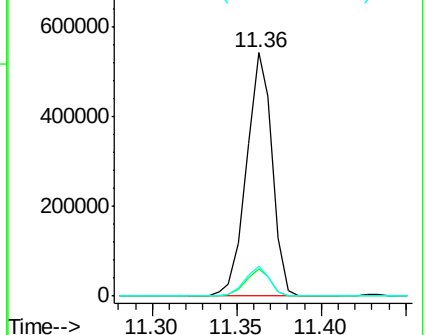
Tgt Ion:	188	Resp:	575474
Ion Ratio	Lower	Upper	
188	100		
94	11.1	9.4	14.2
80	12.0	10.2	15.2

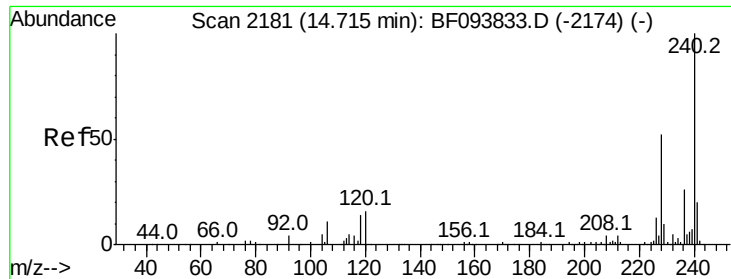


Abundance Ion 188.00 (187.70 to 188.70): E

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: BF094095.D

Acq: 31 Mar 2017 14:48

Instrument :

BNA_F

ClientSampleId :

B-4-S2(5.5-6)

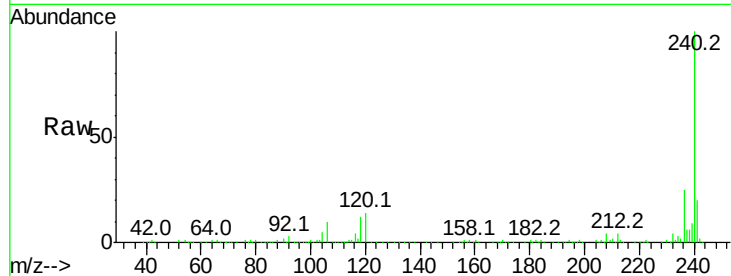
Tot Ion:240 Resp: 430033

Ion Ratio Lower Upper

240 100

120 14.3 5.8 8.8#

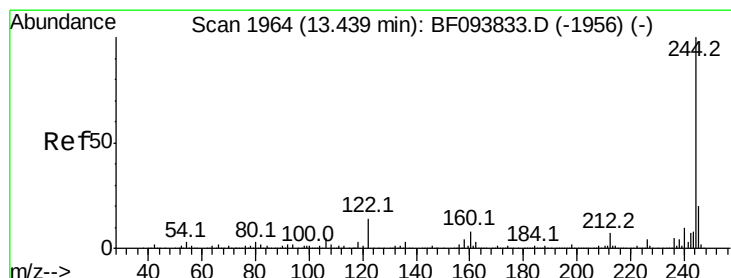
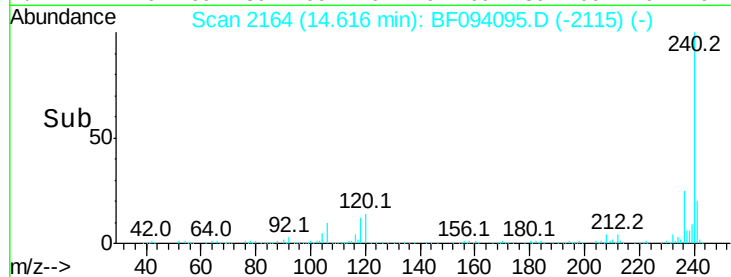
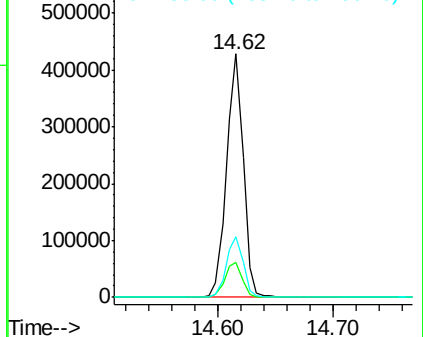
236 25.0 20.5 30.7



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: 64.09 ng

RT: 13.34 min Scan# 1948

Delta R.T. -0.01 min

Lab File: BF094095.D

Acq: 31 Mar 2017 14:48

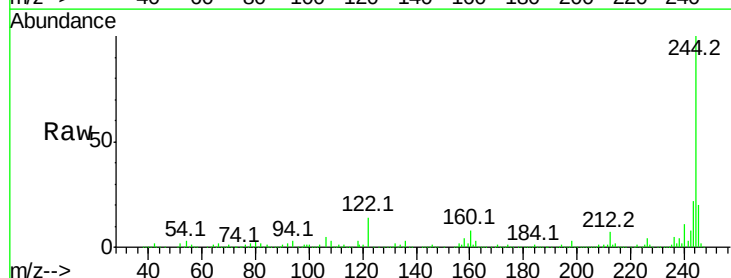
Tgt Ion:244 Resp: 1229627

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

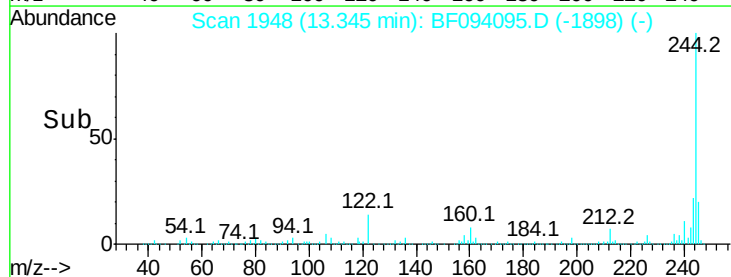
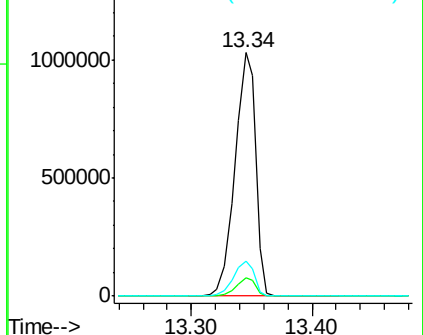
122 14.4 10.3 15.5

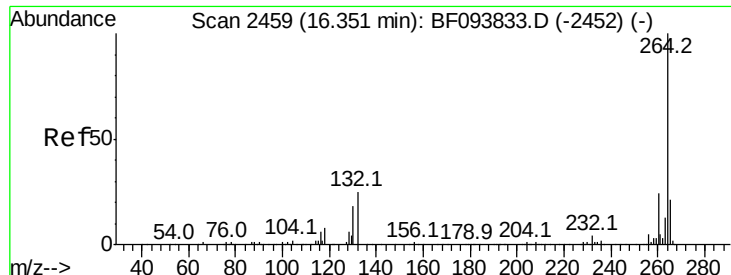


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.24 min Scan# 2441
Delta R.T. -0.01 min
Lab File: BF094095.D
Acq: 31 Mar 2017 14:48

Instrument :
BNA_F
ClientSampleId :
B-4-S2(5.5-6)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.5	29.3
265	22.0	17.2	25.8

