

Data Path : Z:\HPCHEM1\BNA F\DATA\BF033017\
 Data File : BF094083.D
 Acq On : 31 Mar 2017 2:51
 Operator : SJ/MA
 Sample : I2416-10
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-6(1.5-2)

Quant Time: Mar 31 03:28:19 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

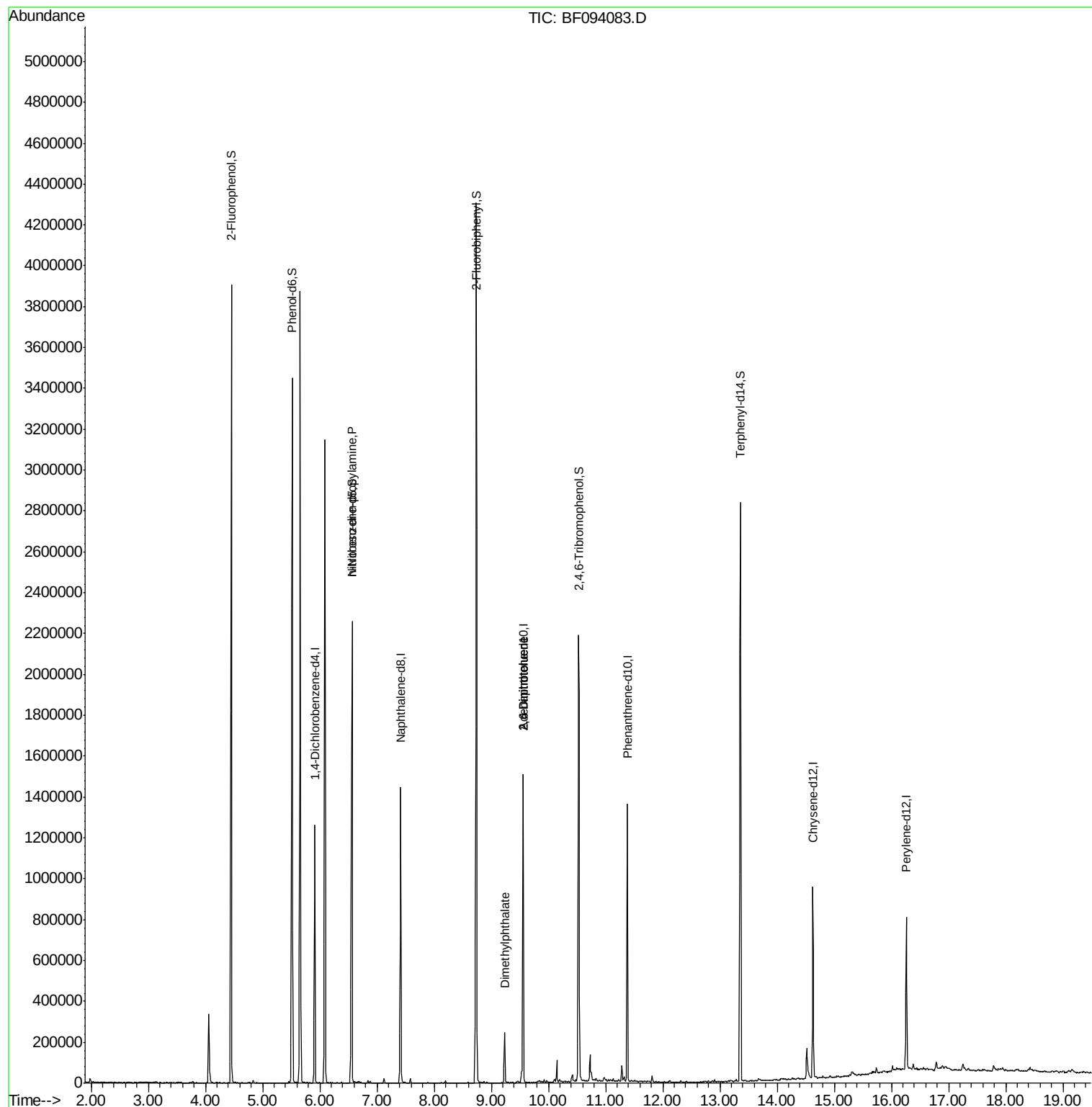
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.91	152	203364	20.00	ng	-0.04
21) Naphthalene-d8	7.41	136	800521	20.00	ng	-0.05
38) Acenaphthene-d10	9.56	164	341657	20.00	ng	-0.04
63) Phenanthrene-d10	11.38	188	545924	20.00	ng	-0.04
75) Chrysene-d12	14.63	240	351399	20.00	ng	-0.05
86) Perylene-d12	16.26	264	313206	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	4.45	112	1227152	101.92	ng	-0.02
7) Phenol-d6	5.52	99	1577038	105.88	ng	-0.03
23) Nitrobenzene-d5	6.56	82	992426	70.75	ng	-0.04
41) 2,4,6-Tribromophenol	10.53	330	303706	112.49	ng	-0.04
44) 2-Fluorobiphenyl	8.74	172	1636003	73.04	ng	-0.04
78) Terphenyl-d14	13.36	244	1024452	65.35	ng	-0.05
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.56	70	128850	13.46	ng	# 80
49) Dimethylphthalate	9.23	163	113674	4.68	ng	97
50) 2,6-Dinitrotoluene	9.55	165	43314	7.78	ng	# 33
56) 2,4-Dinitrotoluene	9.55	165	43314	6.19	ng	# 33

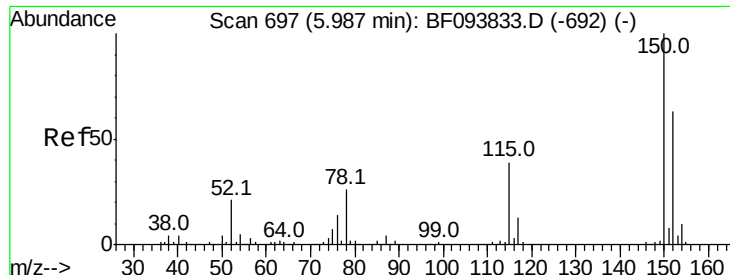
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.91 min Scan# 684

Delta R.T. -0.04 min

Lab File: BF094083.D

Acq: 31 Mar 2017 2:51

Instrument :

BNA_F

ClientSampleId :

TP-6(1.5-2)

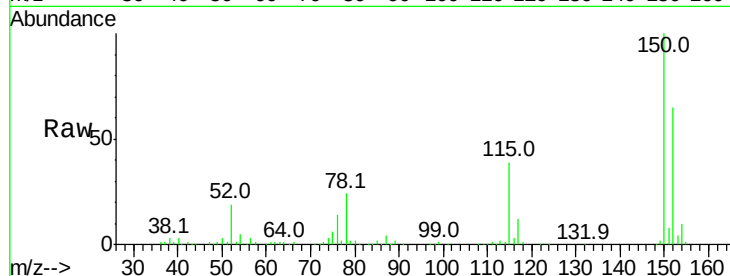
Tot Ion:152 Resp: 203364

Ion Ratio Lower Upper

152 100

150 153.2 126.2 189.2

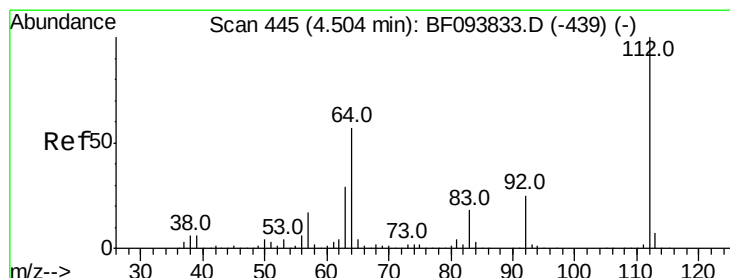
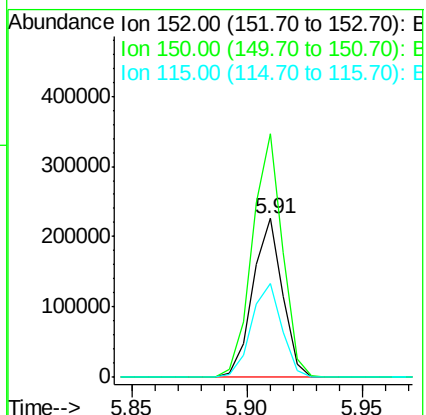
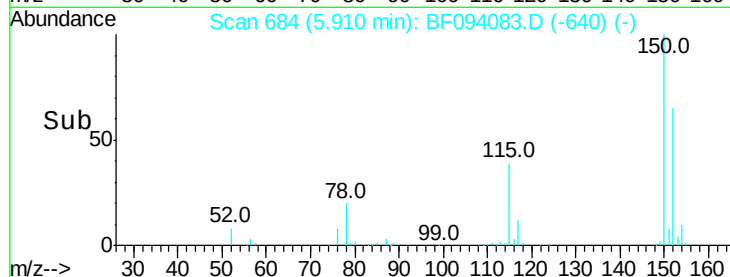
115 59.4 52.2 78.2



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: 101.92 ng

RT: 4.45 min Scan# 436

Delta R.T. -0.02 min

Lab File: BF094083.D

Acq: 31 Mar 2017 2:51

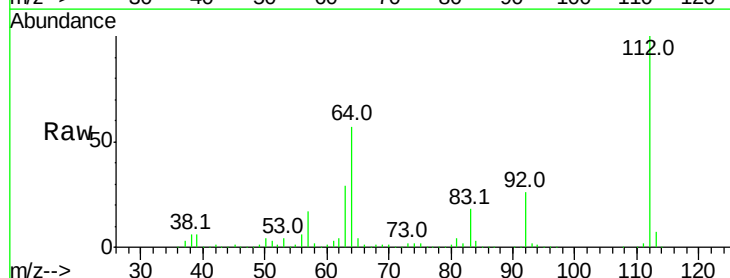
Tgt Ion:112 Resp: 1227152

Ion Ratio Lower Upper

112 100

64 57.1 46.0 69.0

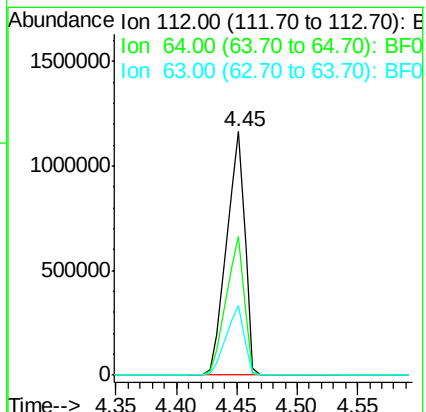
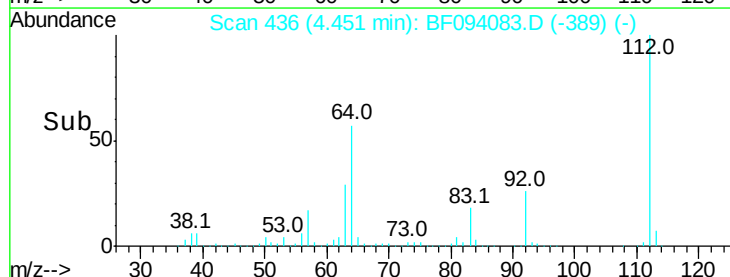
63 28.7 23.4 35.0

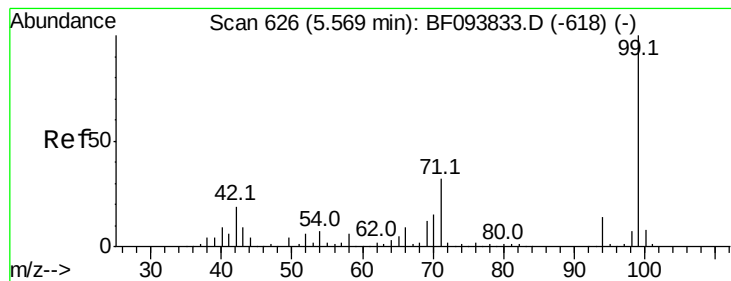


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 105.88 ng

RT: 5.52 min Scan# 618

Delta R.T. -0.03 min

Lab File: BF094083.D

Acq: 31 Mar 2017 2:51

Instrument :

BNA_F

ClientSampleId :

TP-6(1.5-2)

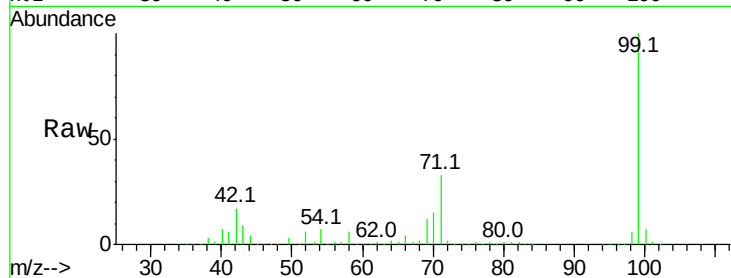
Tot Ion: 99 Resp: 1577038

Ion Ratio Lower Upper

99 100

42 17.3 13.5 20.3

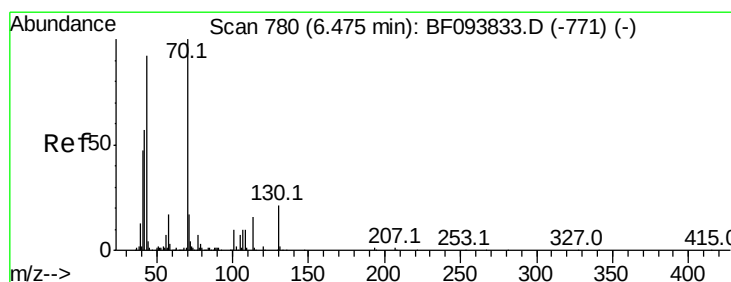
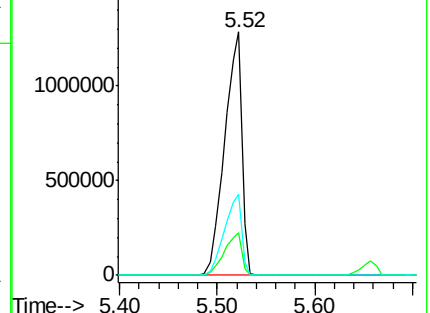
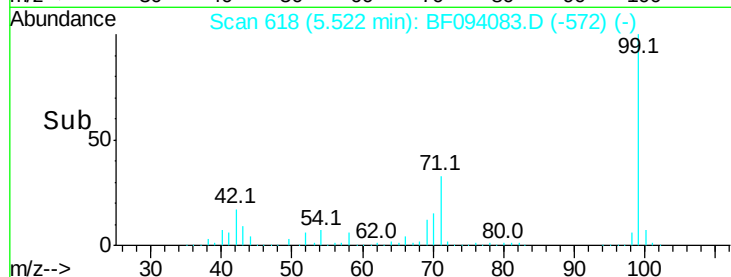
71 33.3 24.5 36.7



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: 13.46 ng

RT: 6.56 min Scan# 794

Delta R.T. 0.12 min

Lab File: BF094083.D

Acq: 31 Mar 2017 2:51

Tgt Ion: 70 Resp: 128850

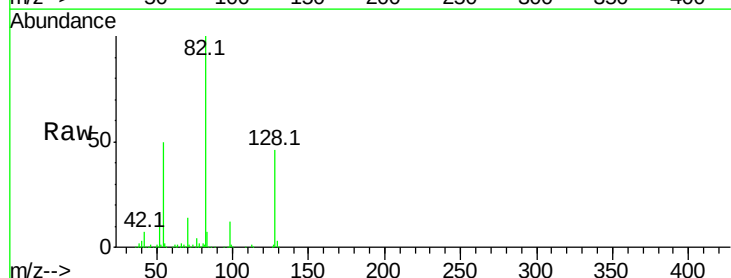
Ion Ratio Lower Upper

70 100

42 48.9 47.2 70.8

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#

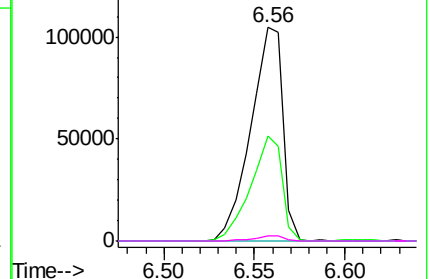
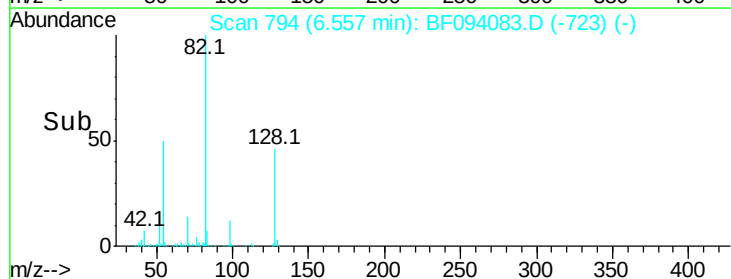


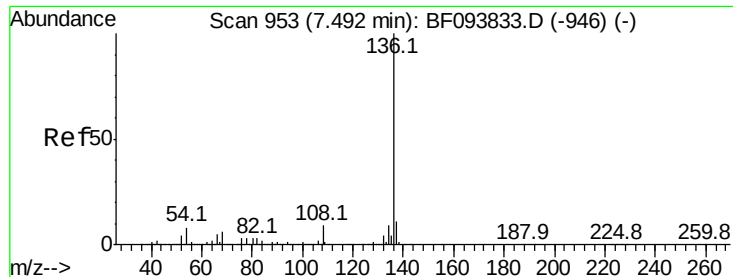
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

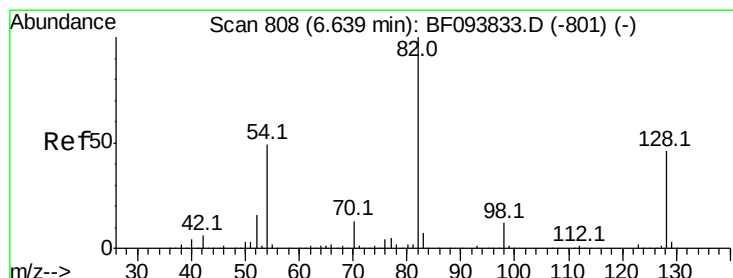
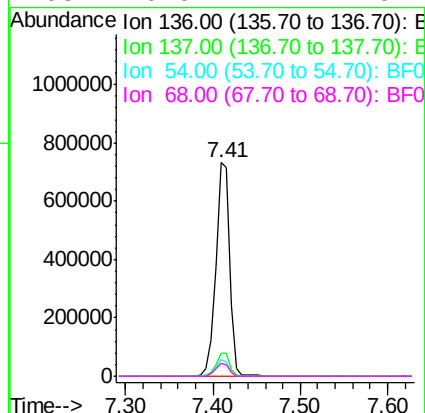
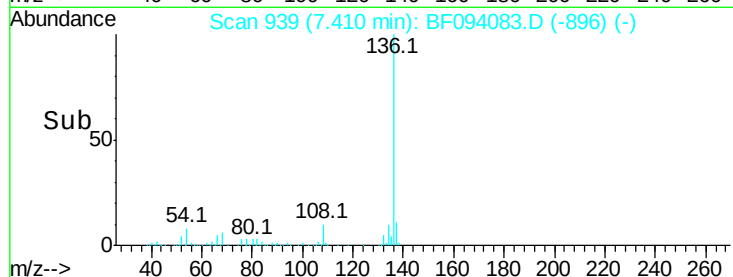
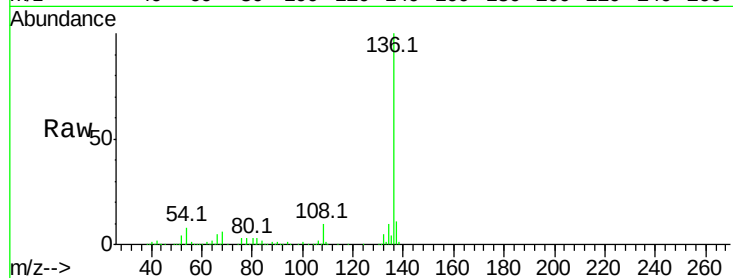




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.41 min Scan# 939
Delta R.T. -0.05 min
Lab File: BF094083.D
Acq: 31 Mar 2017 2:51

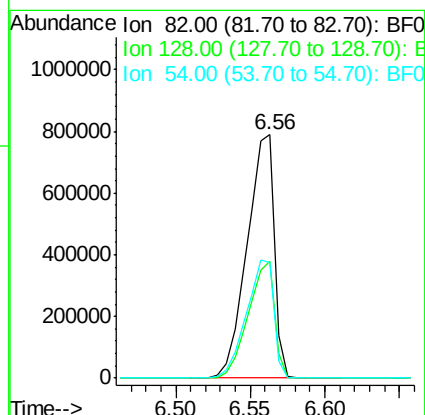
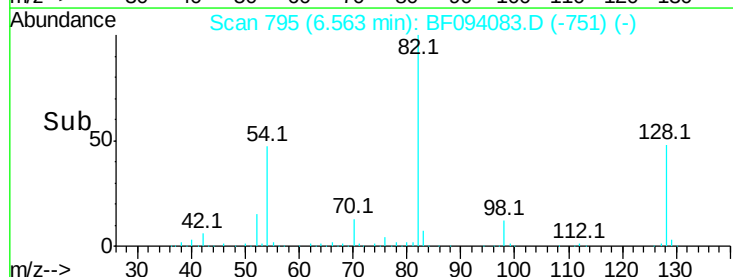
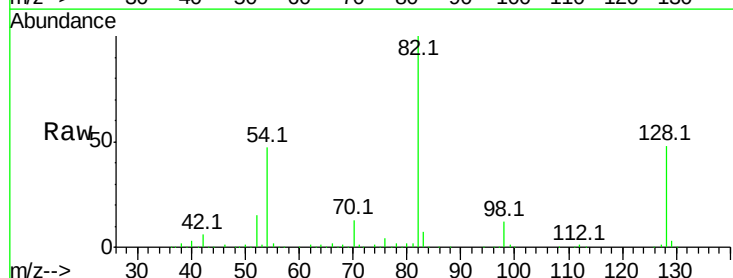
Instrument :
BNA_F
ClientSampleId :
TP-6(1.5-2)

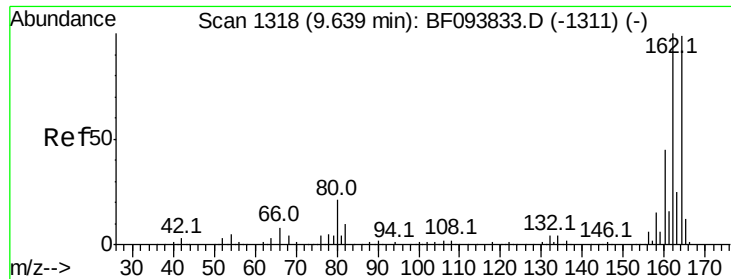
Tot Ion:136	Resp:	800521
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.5 12.7
54	8.0	4.9 7.3#
68	6.0	4.1 6.1



#23
Nitrobenzene-d5
Concen: 70.75 ng
RT: 6.56 min Scan# 795
Delta R.T. -0.04 min
Lab File: BF094083.D
Acq: 31 Mar 2017 2:51

Tgt Ion: 82	Resp:	992426
Ion Ratio	Lower	Upper
82	100	
128	48.1	34.0 51.0
54	47.4	42.2 63.2

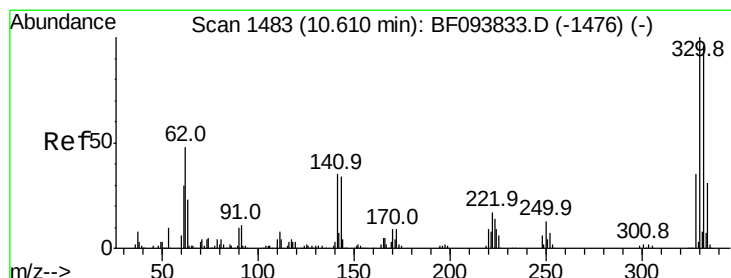
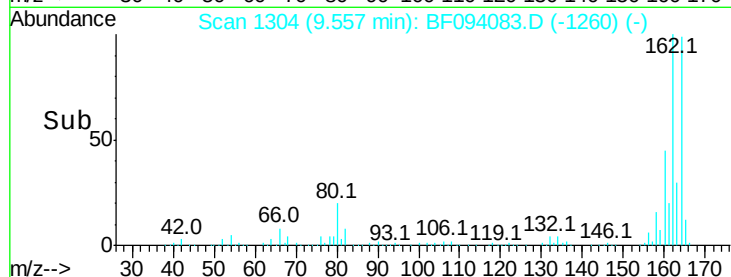
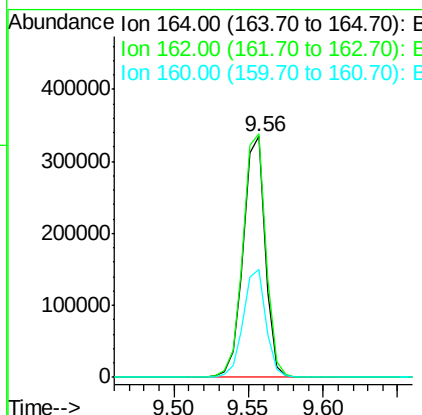
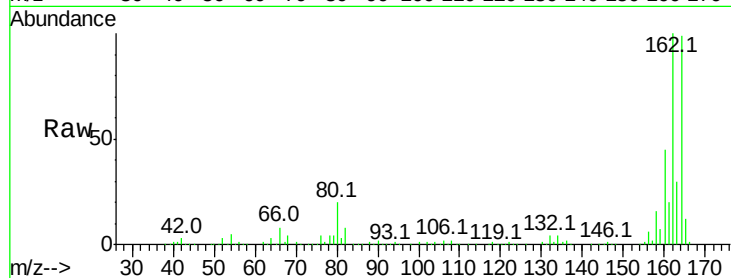




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.56 min Scan# 1304
 Delta R.T. -0.04 min
 Lab File: BF094083.D
 Acq: 31 Mar 2017 2:51

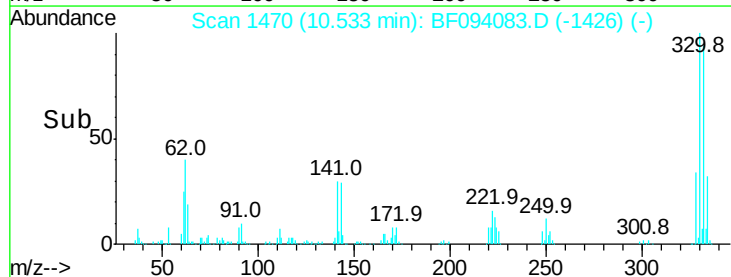
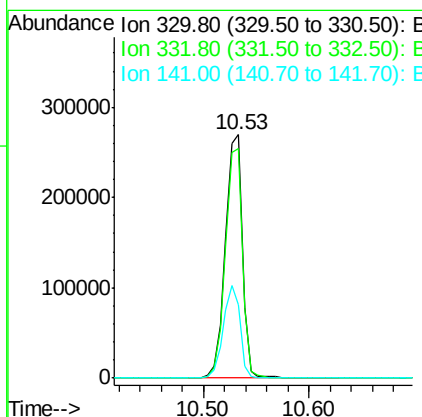
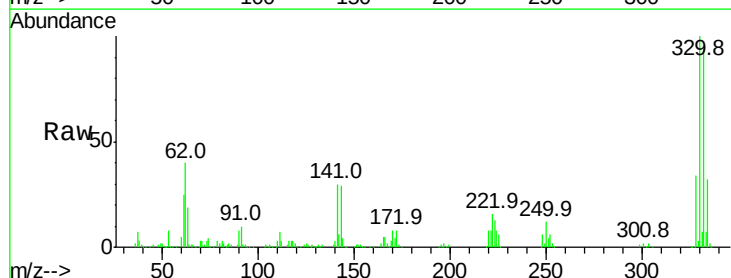
Instrument :
 BNA_F
 ClientSampleId :
 TP-6(1.5-2)

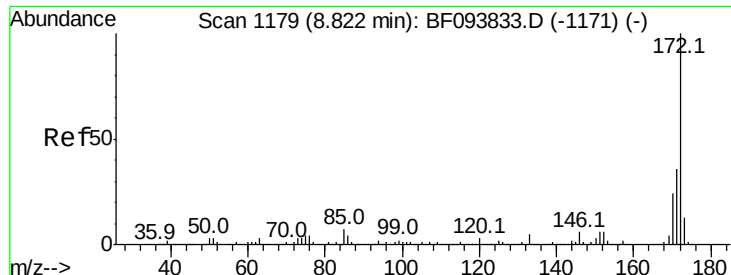
Tot Ion:164 Resp: 341657
 Ion Ratio Lower Upper
 164 100
 162 101.2 82.6 123.8
 160 45.1 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 112.49 ng
 RT: 10.53 min Scan# 1470
 Delta R.T. -0.04 min
 Lab File: BF094083.D
 Acq: 31 Mar 2017 2:51

Tgt Ion:330 Resp: 303706
 Ion Ratio Lower Upper
 330 100
 332 95.0 76.6 115.0
 141 37.7 31.4 47.2

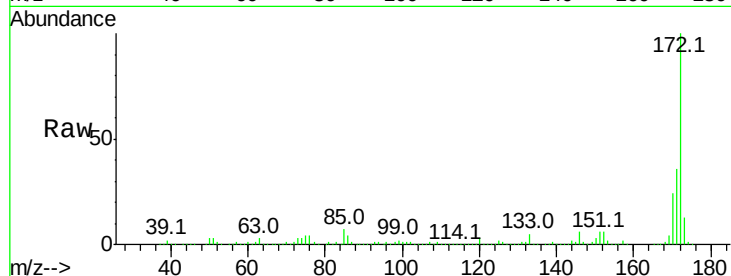




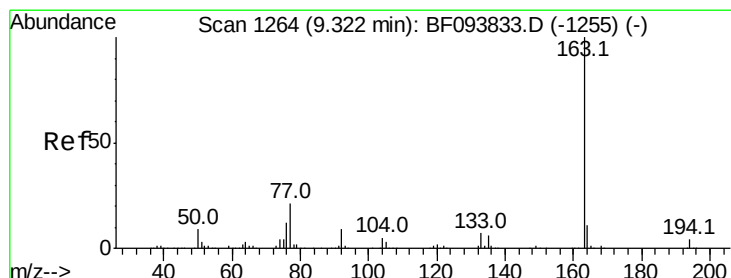
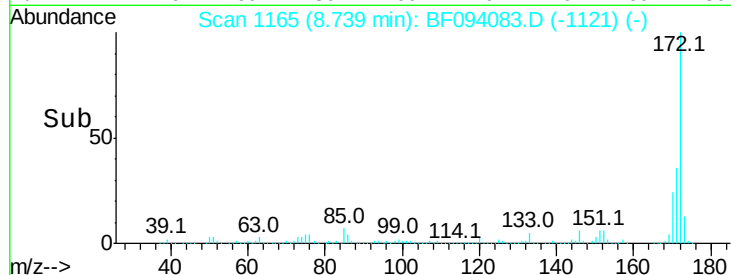
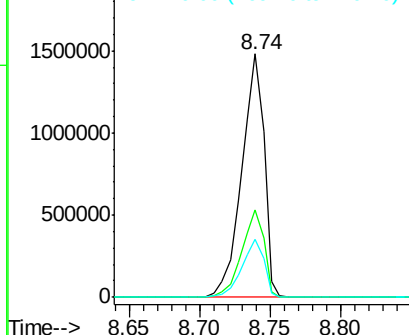
#44
2-Fluorobiphenyl
Concen: 73.04 ng
RT: 8.74 min Scan# 1165
Delta R.T. -0.04 min
Lab File: BF094083.D
Acq: 31 Mar 2017 2:51

Instrument :
BNA_F
ClientSampleId :
TP-6(1.5-2)

Tot Ion:172 Resp: 1636003
Ion Ratio Lower Upper
172 100
171 36.1 29.6 44.4
170 23.9 19.8 29.8

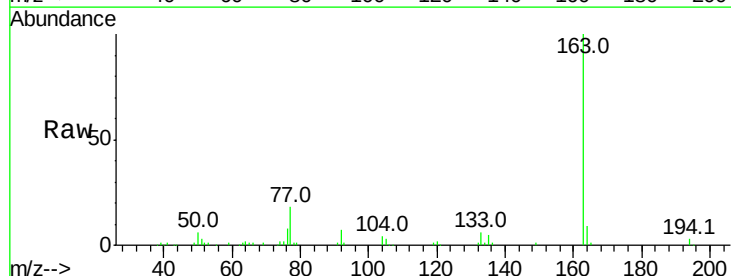


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

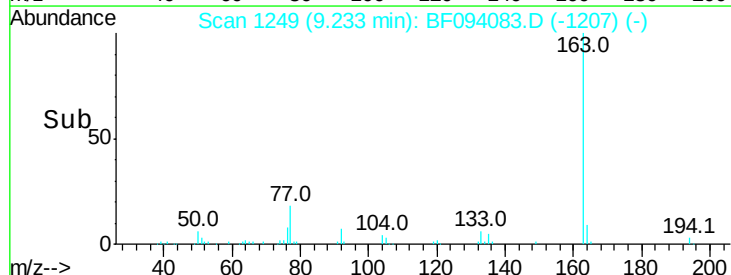
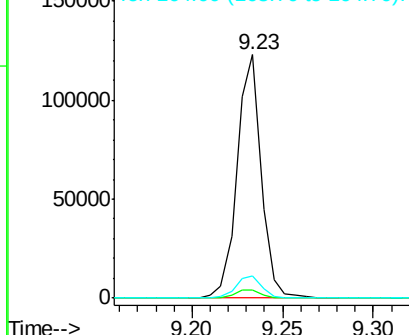


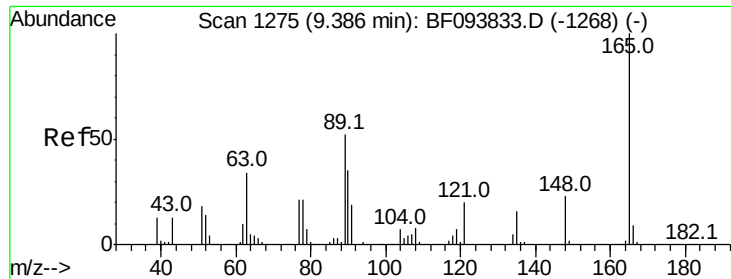
#49
Dimethylphthalate
Concen: 4.68 ng
RT: 9.23 min Scan# 1249
Delta R.T. -0.05 min
Lab File: BF094083.D
Acq: 31 Mar 2017 2:51

Tgt Ion:163 Resp: 113674
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 9.3 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

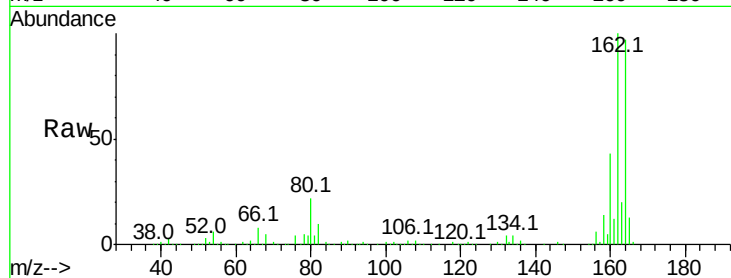




#50
 2,6-Dinitrotoluene
 Concen: 7.78 ng
 RT: 9.55 min Scan# 1303
 Delta R.T. 0.20 min
 Lab File: BF094083.D
 Acq: 31 Mar 2017 2:51

Instrument :
 BNA_F
 ClientSampled :
 TP-6(1.5-2)

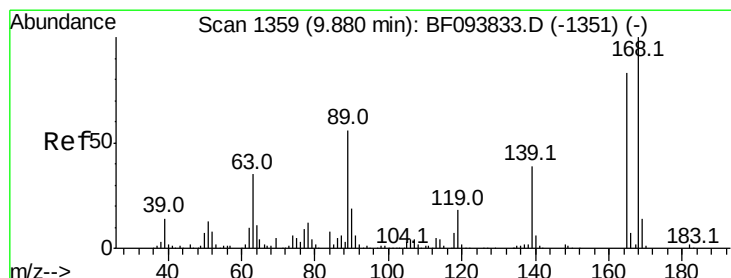
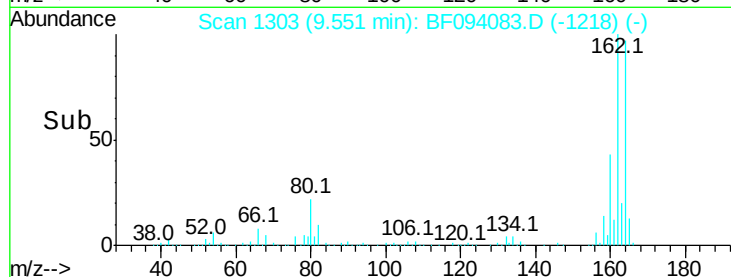
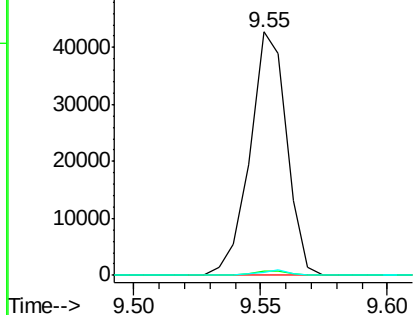
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	34.3	51.5#
89	1.1	37.1	55.7#



Abundance Ion 165.00 (164.70 to 165.70): E

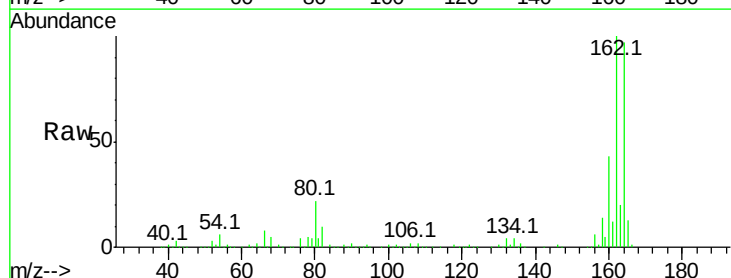
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.19 ng
 RT: 9.55 min Scan# 1303
 Delta R.T. -0.29 min
 Lab File: BF094083.D
 Acq: 31 Mar 2017 2:51

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	25.4	38.0#
89	1.1	46.4	69.6#
182	0.0	1.8	2.6#

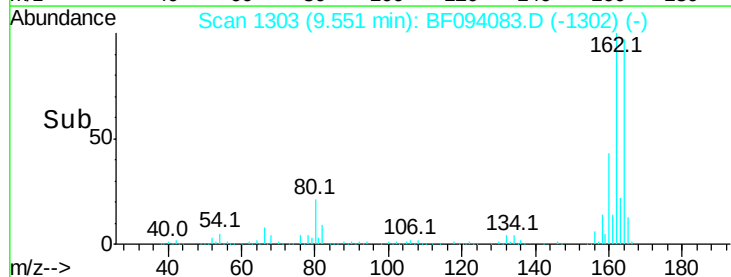
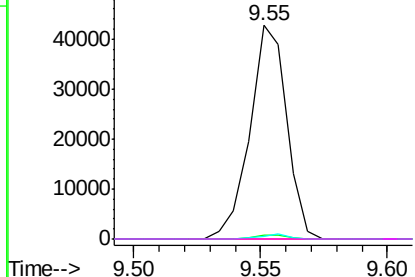


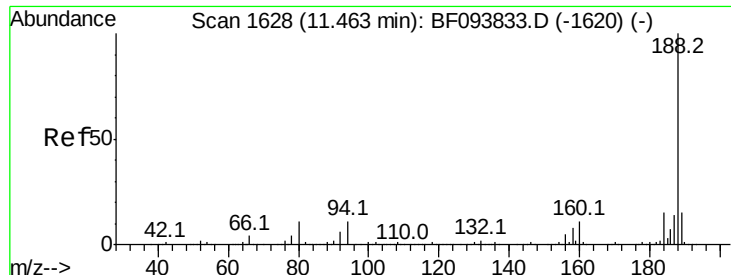
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.38 min Scan# 1614

Delta R.T. -0.04 min

Lab File: BF094083.D

Acq: 31 Mar 2017 2:51

Instrument :

BNA_F

ClientSampleId :

TP-6(1.5-2)

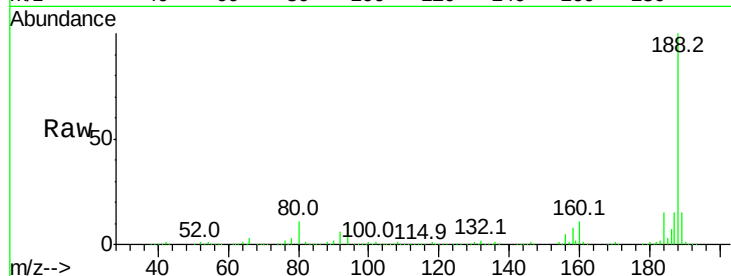
Tot Ion:188 Resp: 545924

Ion Ratio Lower Upper

188 100

94 10.3 9.4 14.2

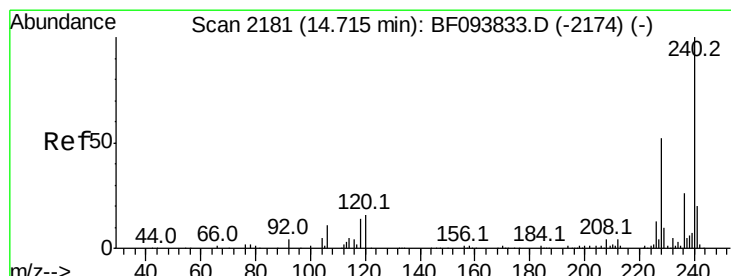
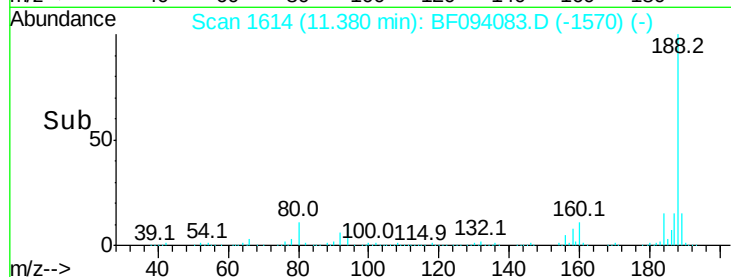
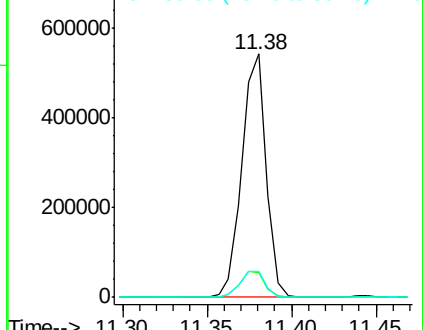
80 10.9 10.2 15.2



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: BF094083.D

Acq: 31 Mar 2017 2:51

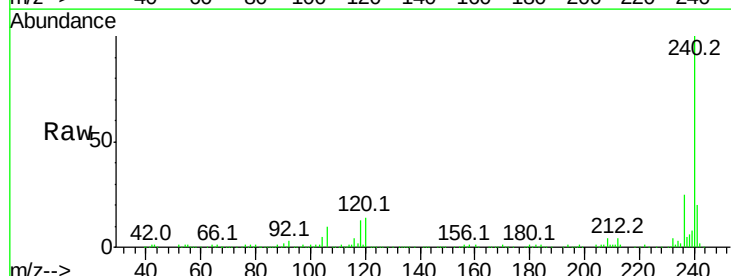
Tgt Ion:240 Resp: 351399

Ion Ratio Lower Upper

240 100

120 14.4 5.8 8.8#

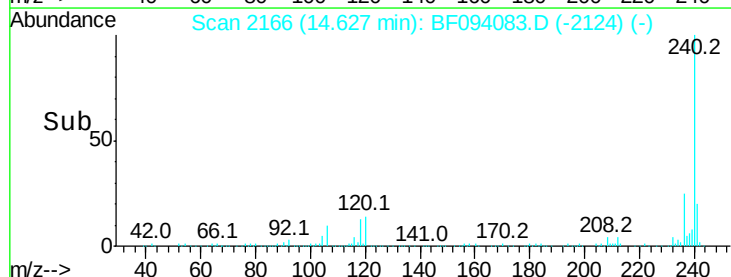
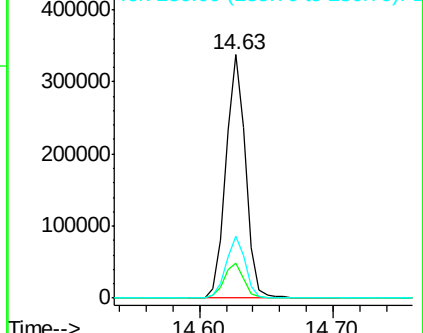
236 25.3 20.5 30.7

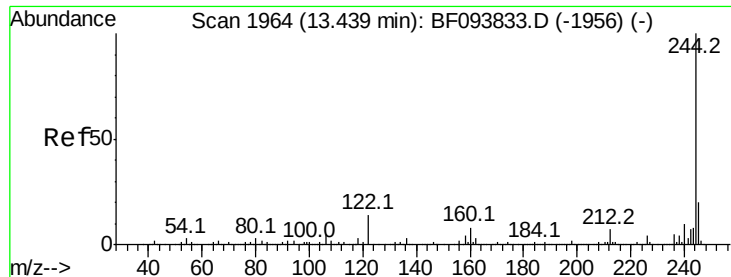


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

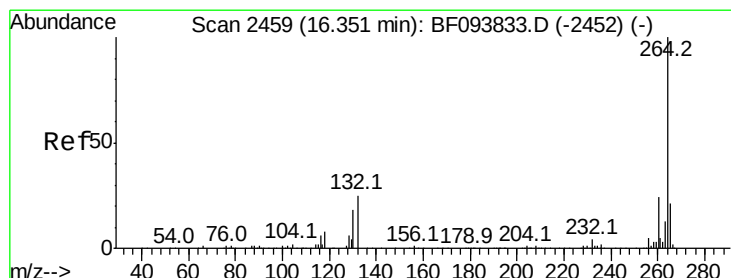
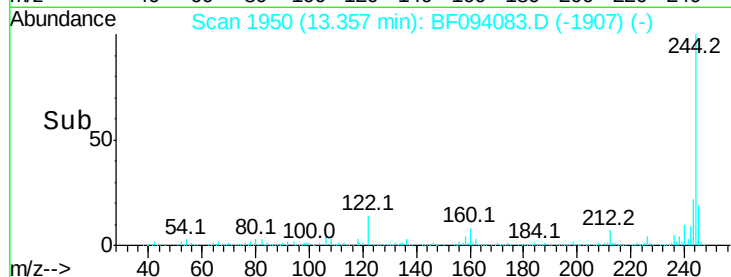
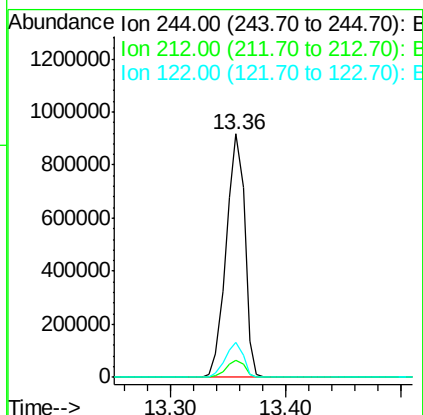
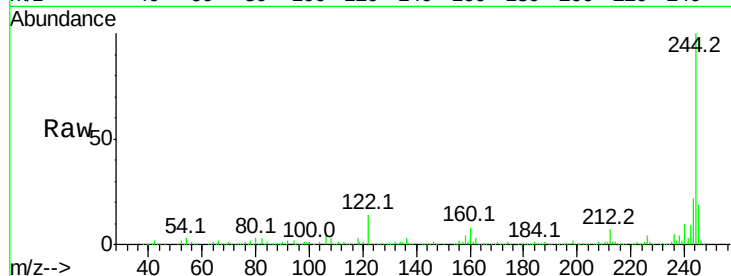




#78
 Terphenyl-d14
 Concen: 65.35 ng
 RT: 13.36 min Scan# 1950
 Delta R.T. -0.05 min
 Lab File: BF094083.D
 Acq: 31 Mar 2017 2:51

Instrument :
 BNA_F
 ClientSampleId :
 TP-6(1.5-2)

Tot Ion:244 Resp: 1024452
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 14.4 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: BF094083.D
 Acq: 31 Mar 2017 2:51

Tgt Ion:264 Resp: 313206
 Ion Ratio Lower Upper
 264 100
 260 22.9 19.5 29.3
 265 21.4 17.2 25.8

