

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032717\
 Data File : BF093963.D
 Acq On : 28 Mar 2017 1:04
 Operator : SJ/MA
 Sample : I2409-10
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 28 04:44:45 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

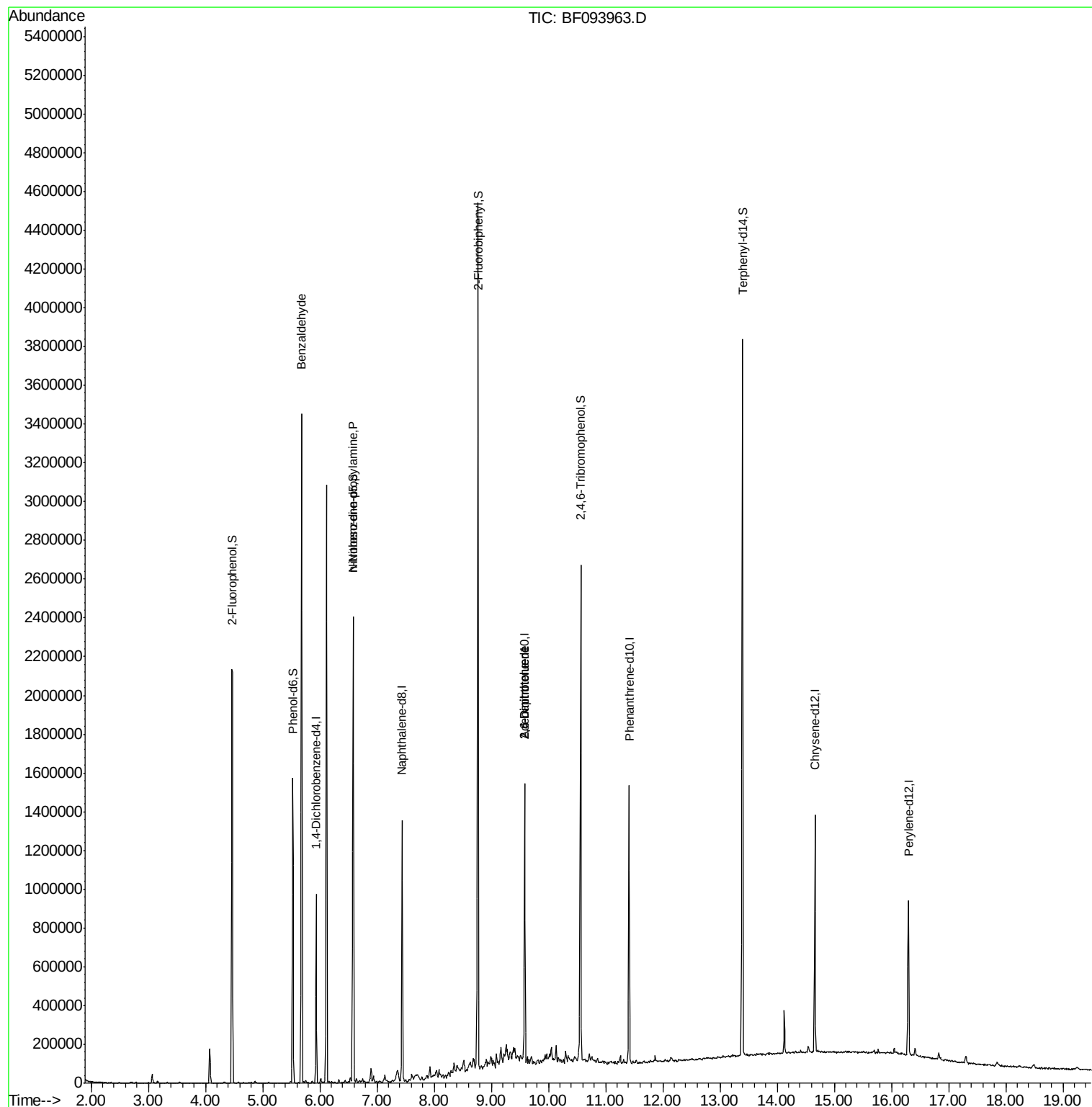
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.93	152	165986	20.00	ng	-0.02
21) Naphthalene-d8	7.44	136	675457	20.00	ng	-0.02
38) Acenaphthene-d10	9.59	164	315611	20.00	ng	-0.01
63) Phenanthrene-d10	11.41	188	558629	20.00	ng	-0.01
75) Chrysene-d12	14.66	240	465829	20.00	ng	-0.02
86) Perylene-d12	16.30	264	336560	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.47	112	664684	67.64	ng	0.00
7) Phenol-d6	5.53	99	568945	46.80	ng	-0.02
23) Nitrobenzene-d5	6.59	82	1001182	84.59	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	386514	154.98	ng	-0.01
44) 2-Fluorobiphenyl	8.77	172	1800934	87.03	ng	-0.01
78) Terphenyl-d14	13.40	244	1530350	73.64	ng	0.00
Target Compounds						
9) Benzaldehyde	5.68	77	23715	2.89	ng	# 80
19) n-Nitroso-di-n-propylamine	6.59	70	134220	17.18	ng	# 78
50) 2,6-Dinitrotoluene	9.59	165	41570	8.08	ng	# 35
56) 2,4-Dinitrotoluene	9.59	165	41332	6.40	ng	# 34

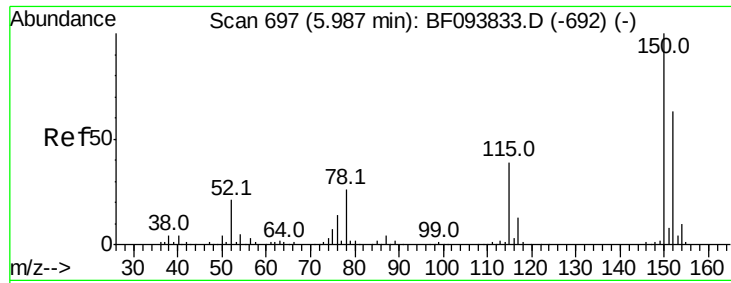
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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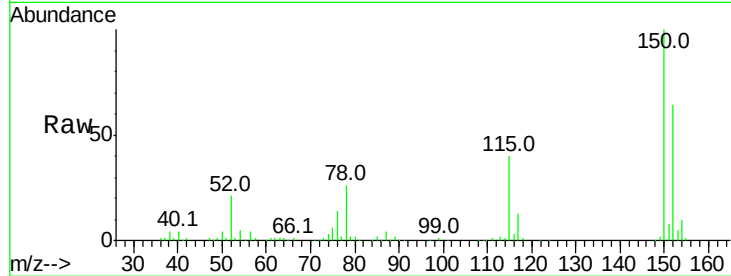


#1

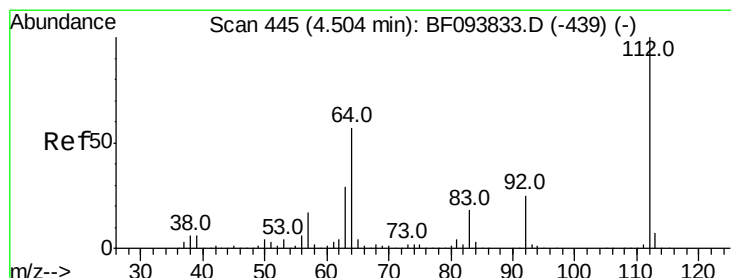
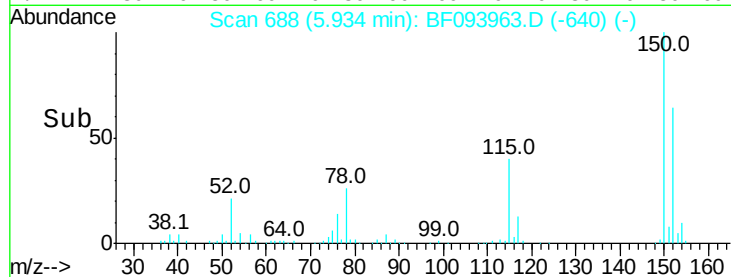
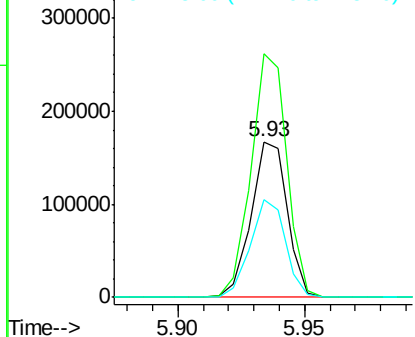
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.93 min Scan# 688
Delta R.T. -0.02 min
Lab File: BF093963.D
Acq: 28 Mar 2017 1:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 165986
Ion Ratio Lower Upper
152 100
150 156.2 126.2 189.2
115 62.7 52.2 78.2



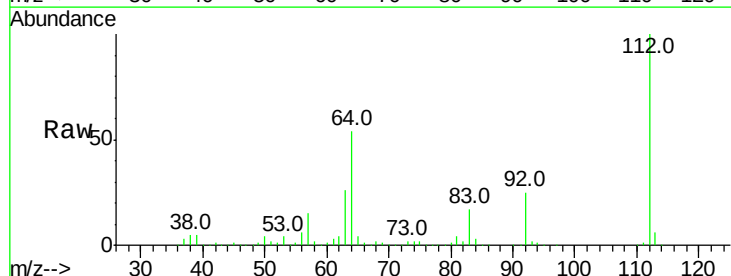
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



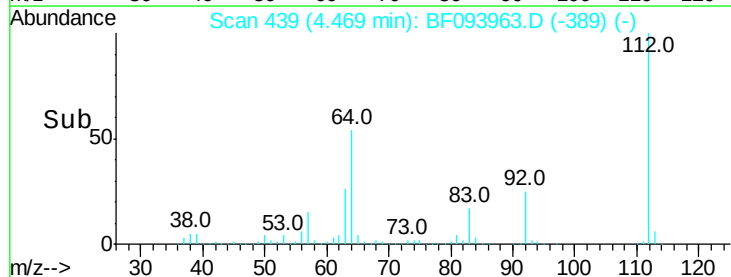
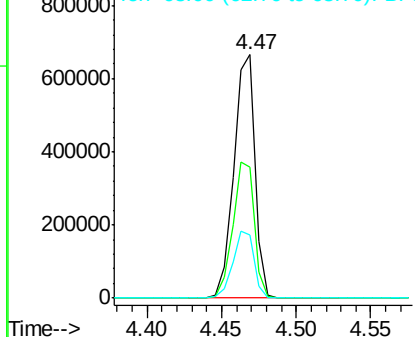
#5

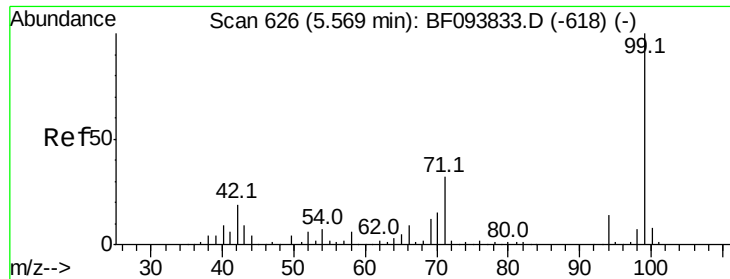
2-Fluorophenol
Concen: 67.64 ng
RT: 4.47 min Scan# 439
Delta R.T. -0.01 min
Lab File: BF093963.D
Acq: 28 Mar 2017 1:04

Tgt Ion:112 Resp: 664684
Ion Ratio Lower Upper
112 100
64 53.6 46.0 69.0
63 26.2 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: 46.80 ng

RT: 5.53 min Scan# 619

Delta R.T. -0.02 min

Lab File: BF093963.D

Acq: 28 Mar 2017 1:04

Instrument :

BNA_G

ClientSampled :

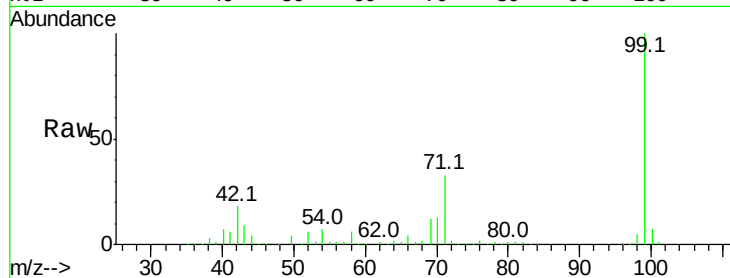
Tot Ion: 99 Resp: 568945

Ion Ratio Lower Upper

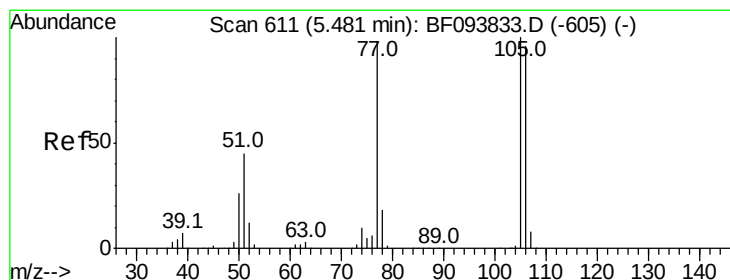
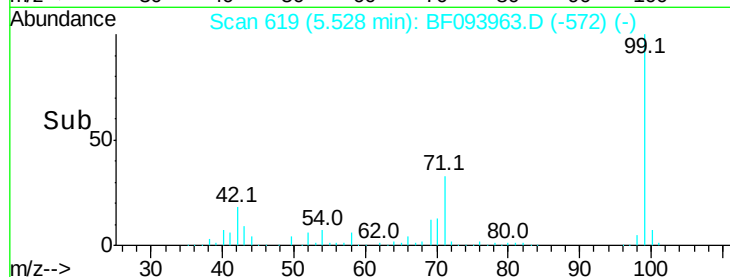
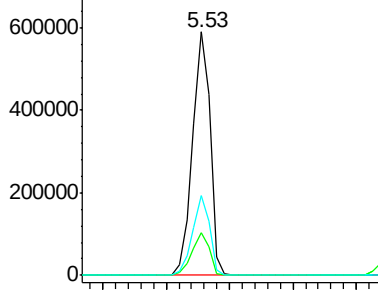
99 100

42 17.8 13.5 20.3

71 32.5 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: 2.89 ng

RT: 5.68 min Scan# 645

Delta R.T. 0.24 min

Lab File: BF093963.D

Acq: 28 Mar 2017 1:04

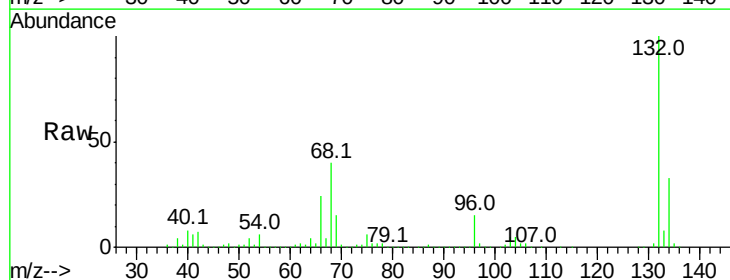
Tgt Ion: 77 Resp: 23715

Ion Ratio Lower Upper

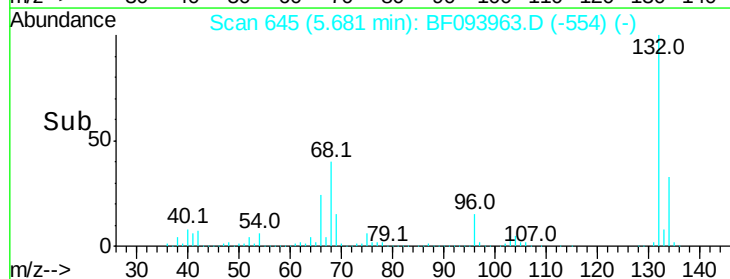
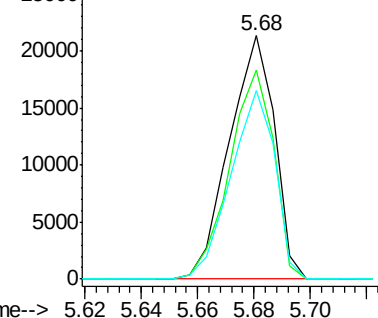
77 100

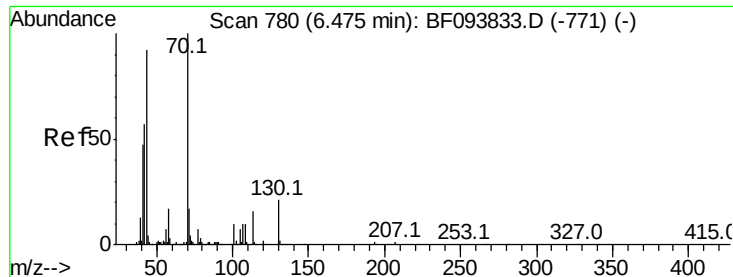
105 85.6 83.8 123.8

106 77.6 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: 17.18 ng

RT: 6.59 min Scan# 799

Delta R.T. 0.15 min

Lab File: BF093963.D

Acq: 28 Mar 2017 1:04

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 134220

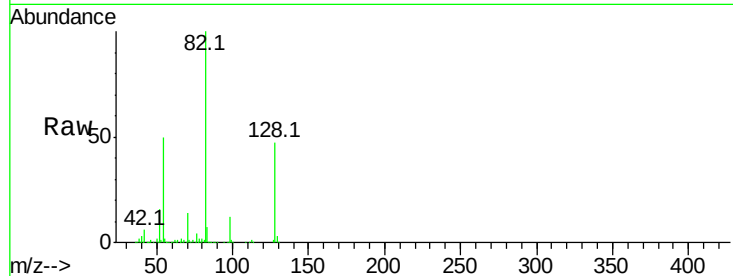
Ion Ratio Lower Upper

70 100

42 46.8 47.2 70.8#

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#

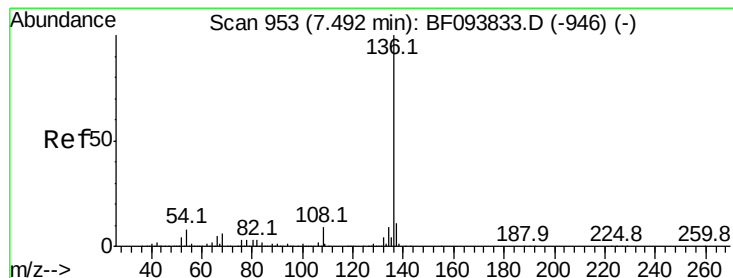
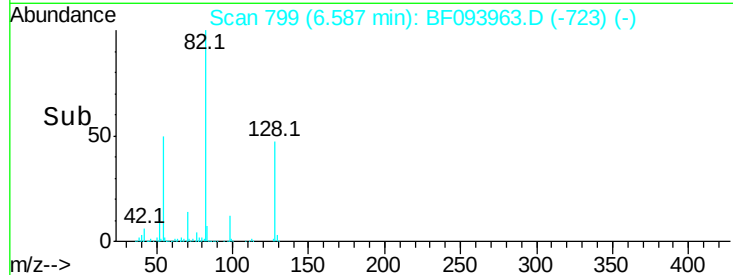
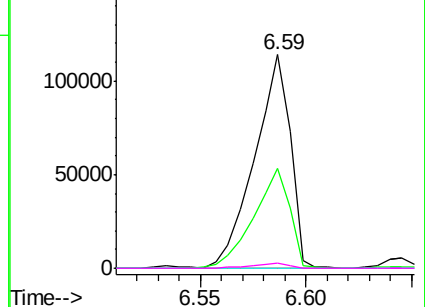


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.44 min Scan# 944

Delta R.T. -0.02 min

Lab File: BF093963.D

Acq: 28 Mar 2017 1:04

Tgt Ion: 136 Resp: 675457

Ion Ratio Lower Upper

136 100

137 11.4 8.5 12.7

54 7.9 4.9 7.3#

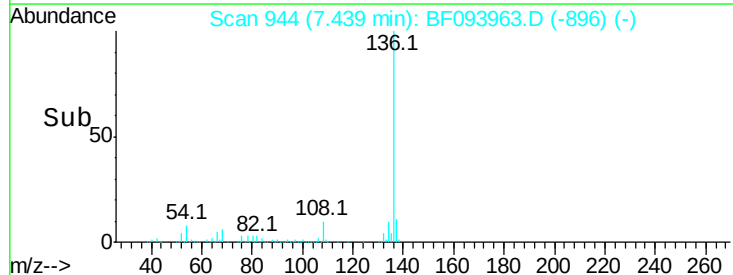
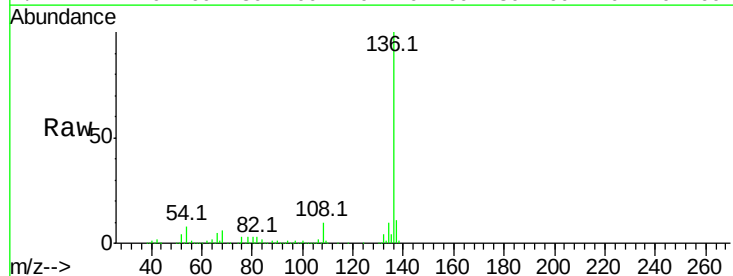
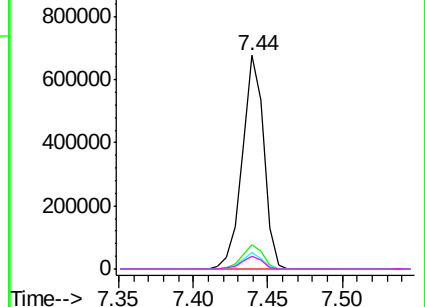
68 6.1 4.1 6.1

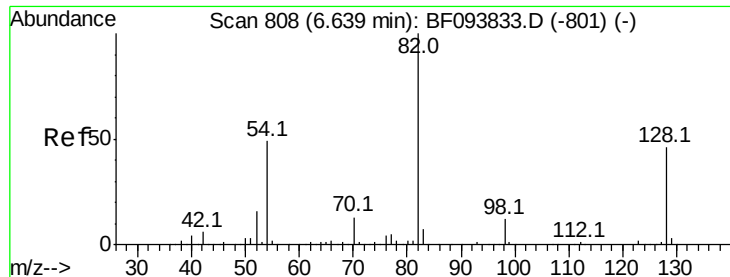
Abundance Ion 136.00 (135.70 to 136.70): BF0

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



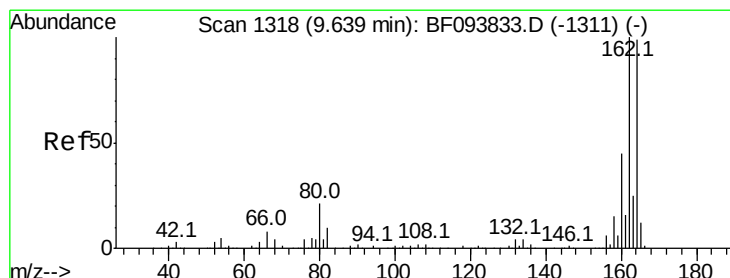
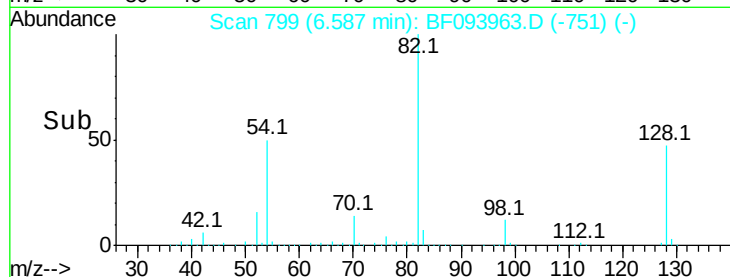
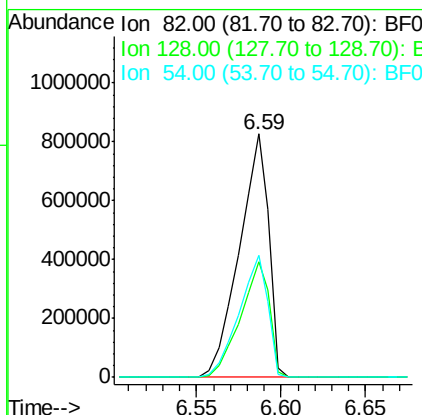
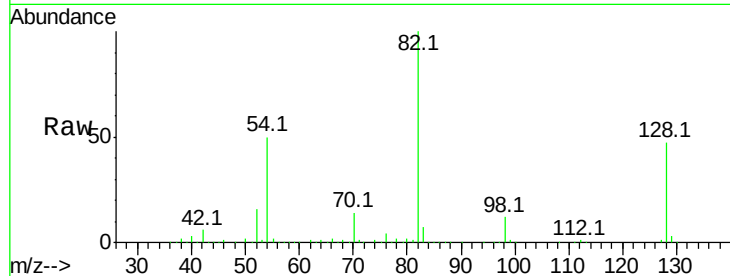


#23
 Nitrobenzene-d5
 Concen: 84.59 ng
 RT: 6.59 min Scan# 799
 Delta R.T. -0.02 min
 Lab File: BF093963.D
 Acq: 28 Mar 2017 1:04

Instrument :
 BNA_G
 ClientSampled :

Tot Ion: 82 Resp: 1001182

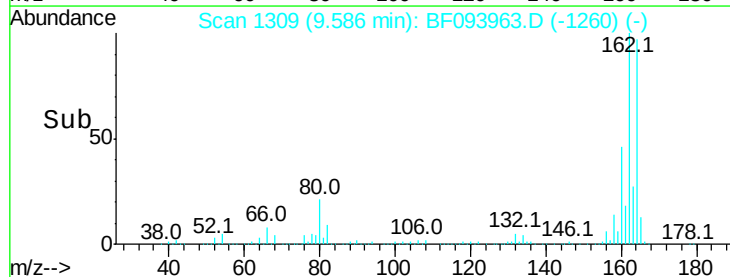
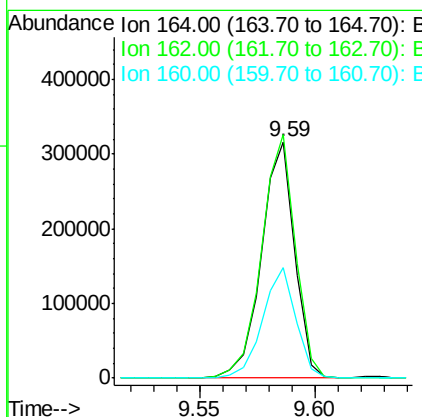
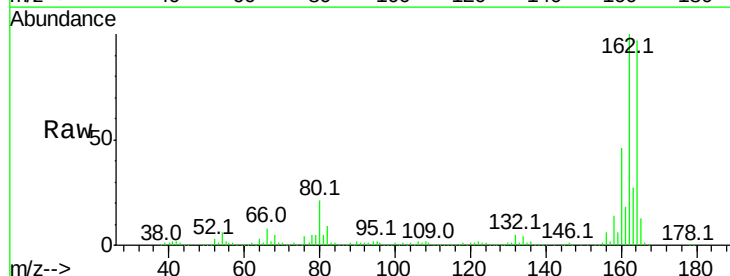
Ion	Ratio	Lower	Upper
82	100		
128	47.3	34.0	51.0
54	50.1	42.2	63.2

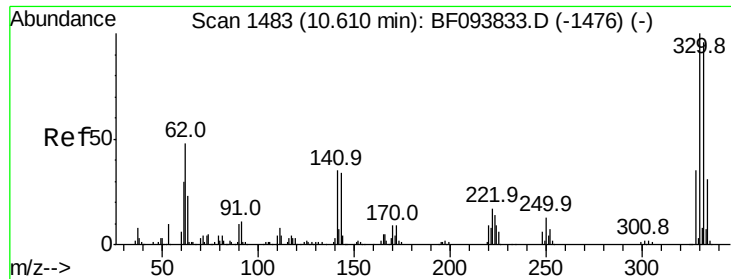


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.59 min Scan# 1309
 Delta R.T. -0.01 min
 Lab File: BF093963.D
 Acq: 28 Mar 2017 1:04

Tgt Ion:164 Resp: 315611

Ion	Ratio	Lower	Upper
164	100		
162	103.2	82.6	123.8
160	47.0	36.2	54.2

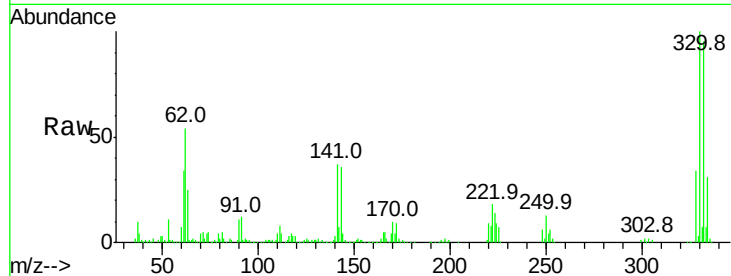




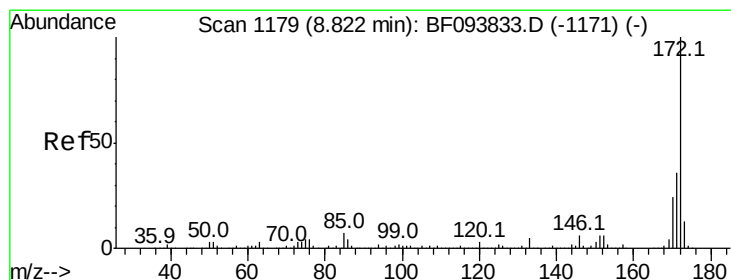
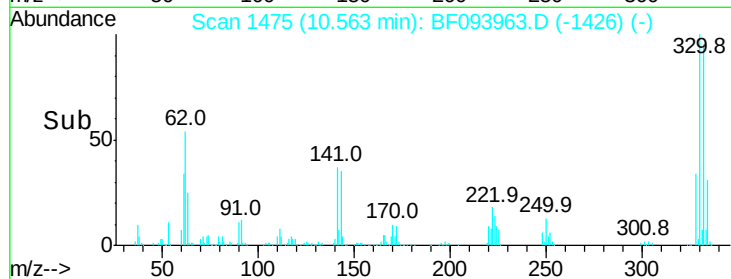
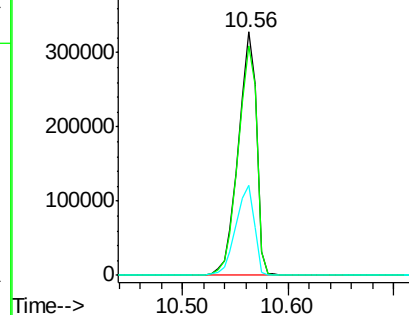
#41
 2,4,6-Tribromophenol
 Concen: 154.98 ng
 RT: 10.56 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: BF093963.D
 Acq: 28 Mar 2017 1:04

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 386514
 Ion Ratio Lower Upper
 330 100
 332 96.7 76.6 115.0
 141 37.5 31.4 47.2

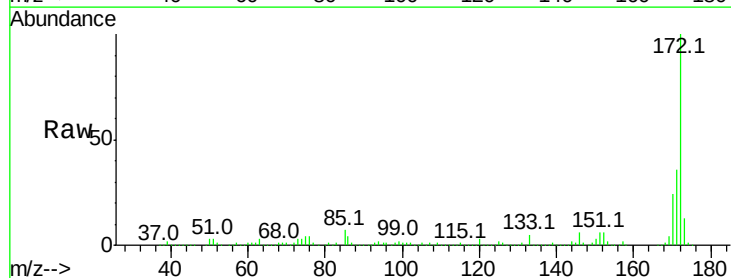


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

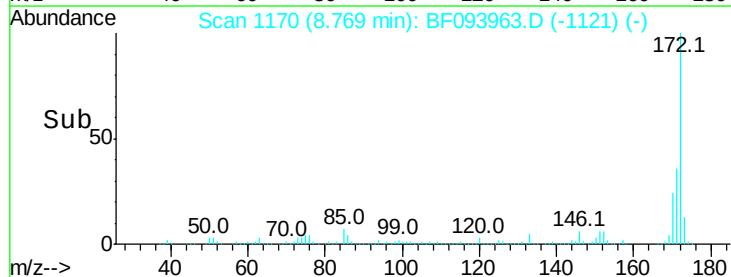
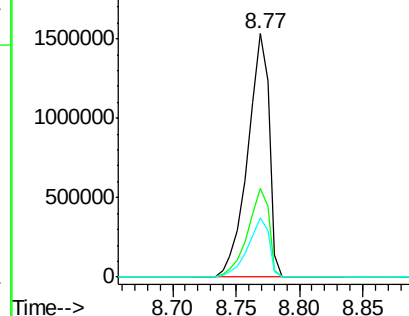


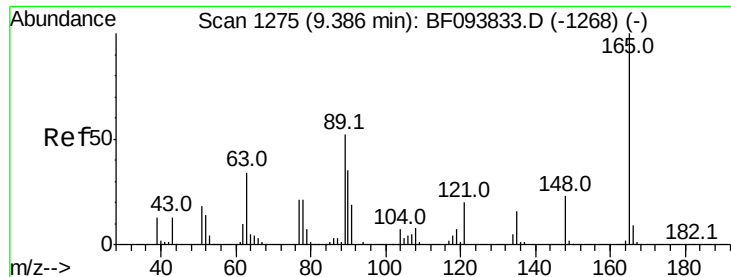
#44
 2-Fluorobiphenyl
 Concen: 87.03 ng
 RT: 8.77 min Scan# 1170
 Delta R.T. -0.01 min
 Lab File: BF093963.D
 Acq: 28 Mar 2017 1:04

Tgt Ion:172 Resp: 1800934
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.6 44.4
 170 24.3 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: 8.08 ng

RT: 9.59 min Scan# 1309

Delta R.T. 0.24 min

Lab File: BF093963.D

Acq: 28 Mar 2017 1:04

Instrument :

BNA_G

ClientSampleId :

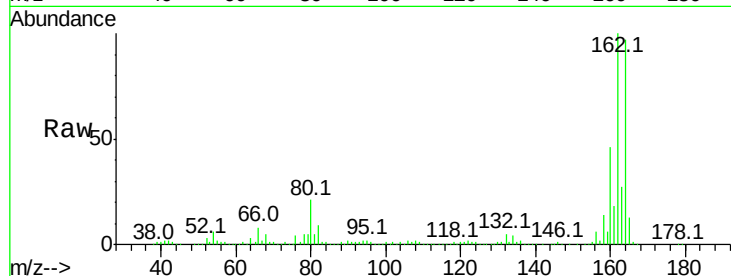
Tot Ion:165 Resp: 41570

Ion Ratio Lower Upper

165 100

63 2.6 34.3 51.5#

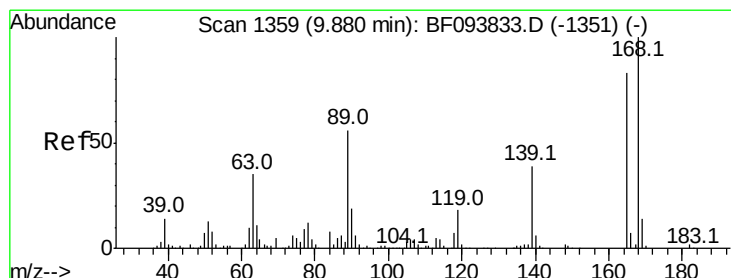
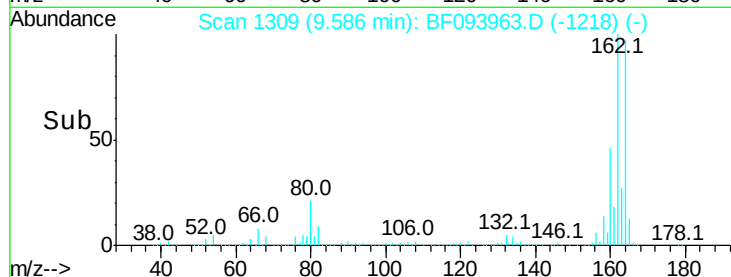
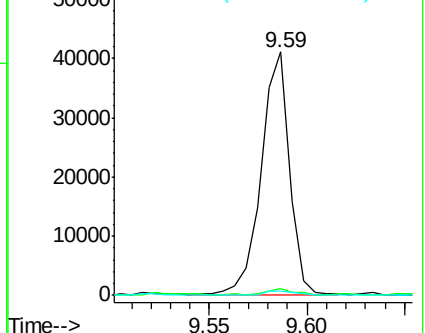
89 1.5 37.1 55.7#



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: 6.40 ng

RT: 9.59 min Scan# 1309

Delta R.T. -0.26 min

Lab File: BF093963.D

Acq: 28 Mar 2017 1:04

Tgt Ion:165 Resp: 41332

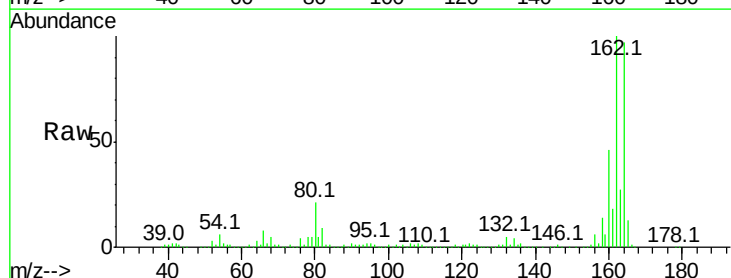
Ion Ratio Lower Upper

165 100

63 2.6 25.4 38.0#

89 1.5 46.4 69.6#

182 0.0 1.8 2.6#

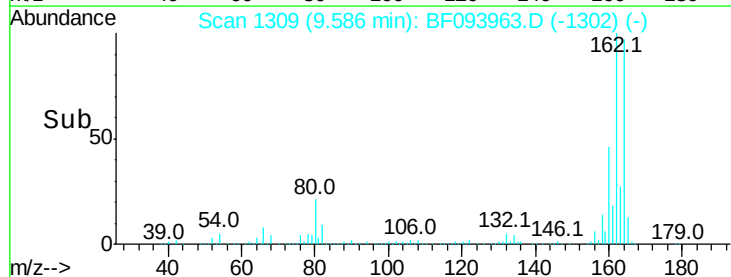
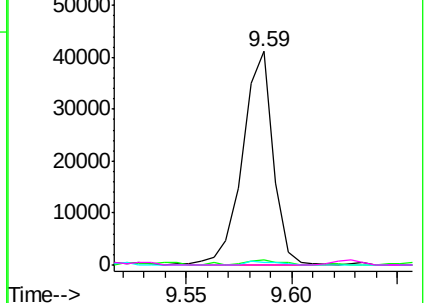


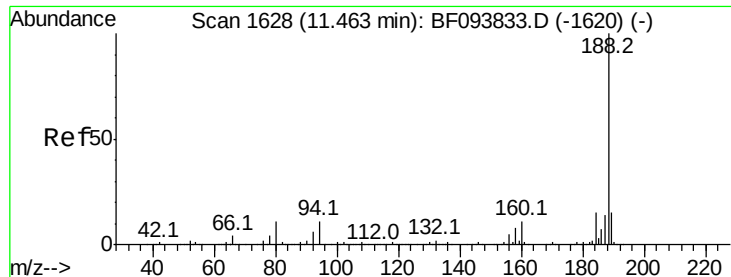
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.41 min Scan# 1619

Delta R.T. -0.01 min

Lab File: BF093963.D

Acq: 28 Mar 2017 1:04

Instrument :

BNA_G

ClientSampleId :

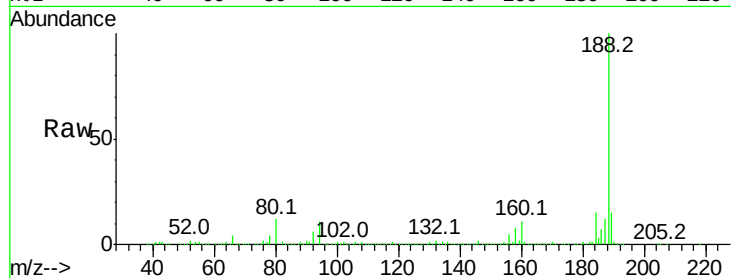
Tot Ion:188 Resp: 558629

Ion Ratio Lower Upper

188 100

94 11.5 9.4 14.2

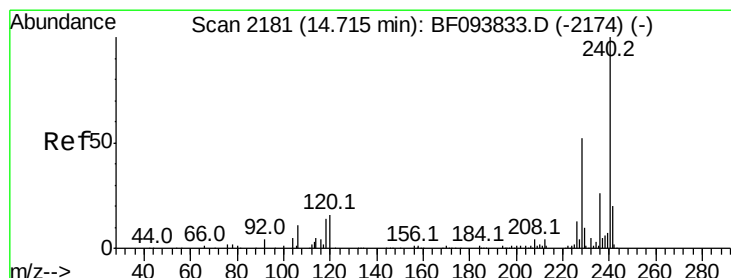
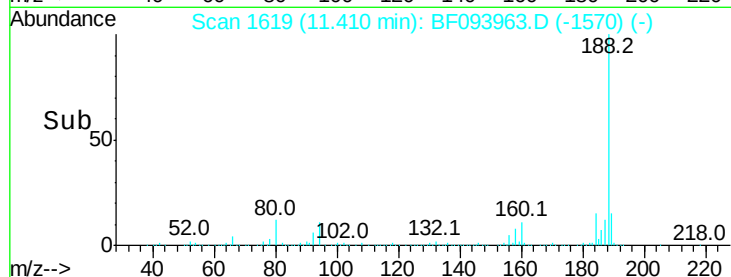
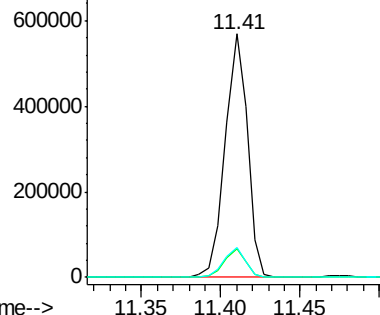
80 12.1 10.2 15.2



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: 14.66 min Scan# 2172

Delta R.T. -0.02 min

Lab File: BF093963.D

Acq: 28 Mar 2017 1:04

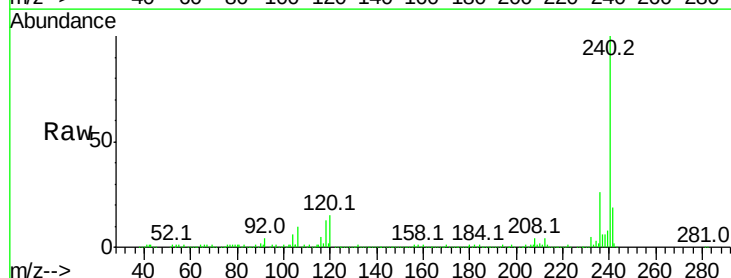
Tgt Ion:240 Resp: 465829

Ion Ratio Lower Upper

240 100

120 14.5 5.8 8.8#

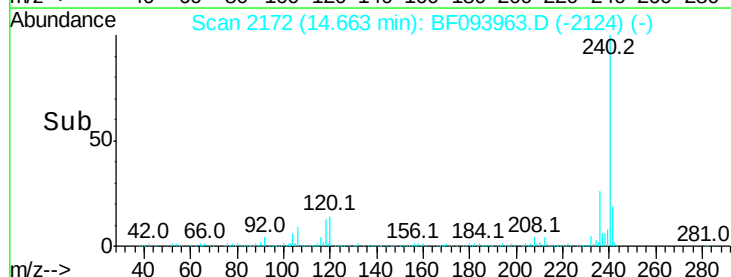
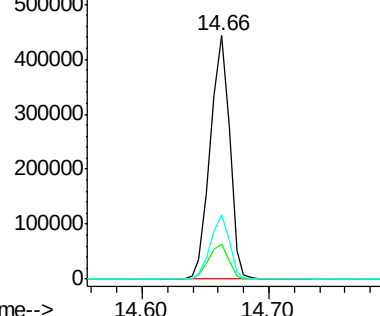
236 26.2 20.5 30.7

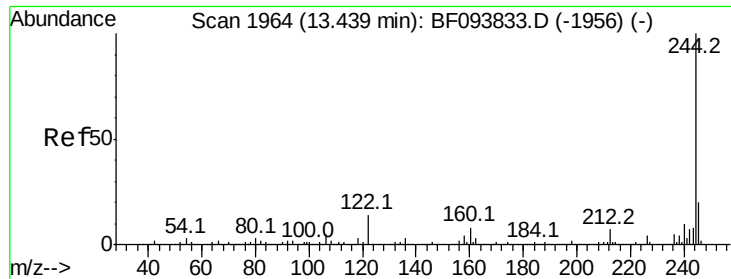


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 73.64 ng

RT: 13.40 min Scan# 1957

Delta R.T. -0.01 min

Lab File: BF093963.D

Acq: 28 Mar 2017 1:04

Instrument :

BNA_G

ClientSampleId :

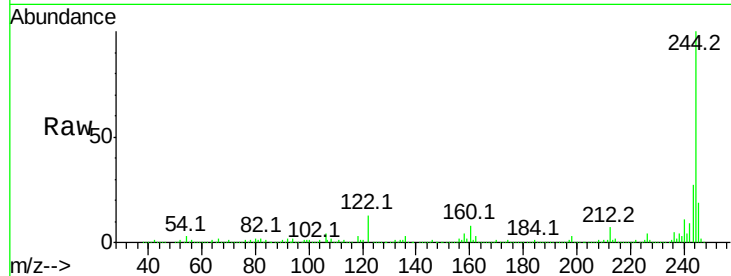
Tot Ion:244 Resp: 1530350

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

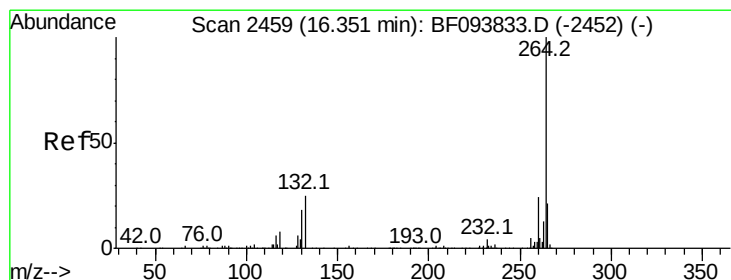
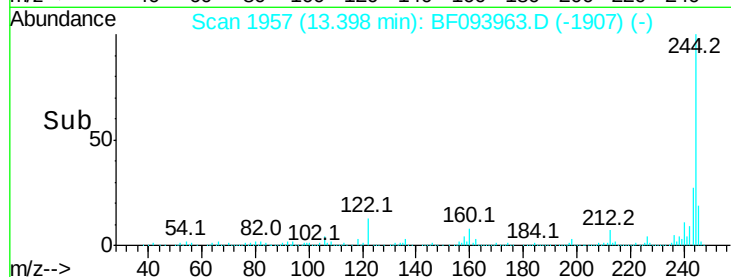
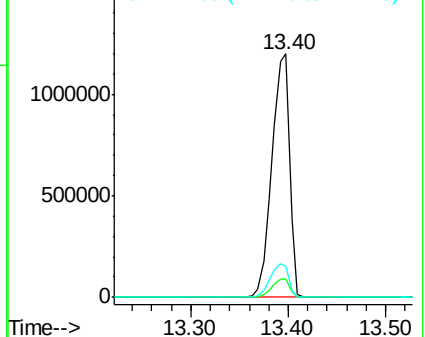
122 12.8 10.3 15.5



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: 16.30 min Scan# 2450

Delta R.T. -0.01 min

Lab File: BF093963.D

Acq: 28 Mar 2017 1:04

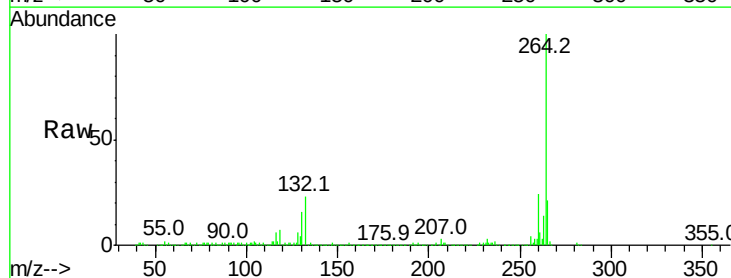
Tgt Ion:264 Resp: 336560

Ion Ratio Lower Upper

264 100

260 23.8 19.5 29.3

265 21.5 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

