

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032717\
 Data File : BF093965.D
 Acq On : 28 Mar 2017 1:59
 Operator : SJ/MA
 Sample : PB97829TB
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 28 04:45:01 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

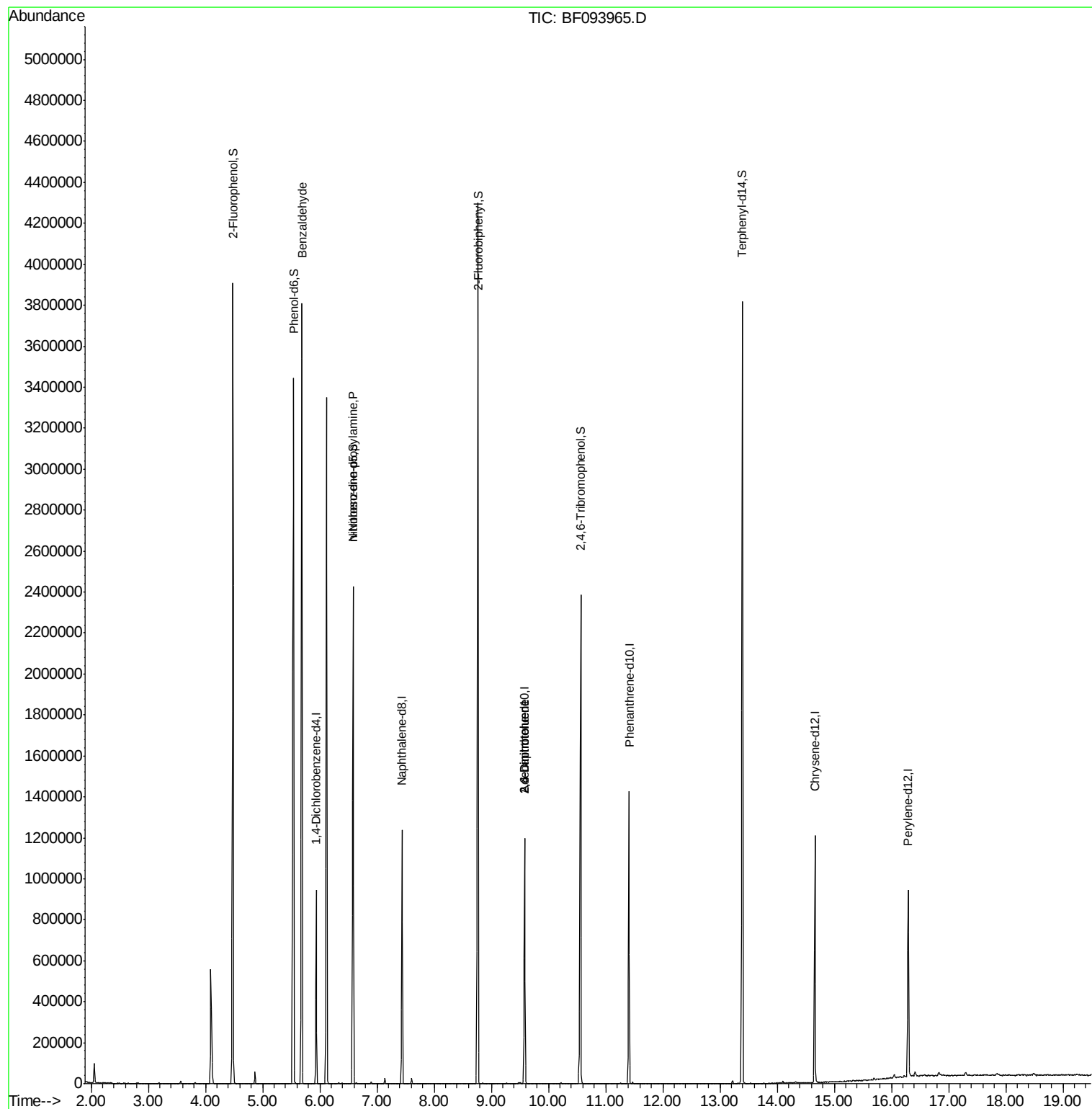
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.94	152	157541	20.00	ng	-0.01
21) Naphthalene-d8	7.44	136	640998	20.00	ng	-0.02
38) Acenaphthene-d10	9.58	164	299366	20.00	ng	-0.02
63) Phenanthrene-d10	11.41	188	555122	20.00	ng	-0.01
75) Chrysene-d12	14.66	240	489759	20.00	ng	-0.02
86) Perylene-d12	16.29	264	359505	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.48	112	1284041	137.66	ng	0.00
7) Phenol-d6	5.54	99	1619405	140.34	ng	-0.01
23) Nitrobenzene-d5	6.59	82	986696	87.85	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	366996	155.14	ng	-0.01
44) 2-Fluorobiphenyl	8.77	172	1809493	92.19	ng	-0.01
78) Terphenyl-d14	13.39	244	1649441	75.49	ng	-0.01
Target Compounds						
9) Benzaldehyde	5.69	77	27367	3.51	ng	Qvalue 82
19) n-Nitroso-di-n-propylamine	6.59	70	131147	17.68	ng	# 78
50) 2,6-Dinitrotoluene	9.58	165	37981	7.79	ng	# 32
56) 2,4-Dinitrotoluene	9.58	165	37982	6.20	ng	# 32

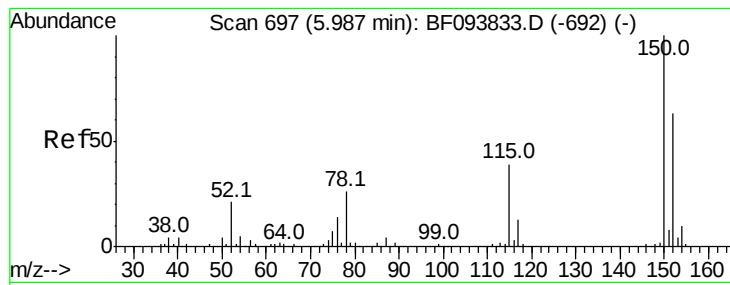
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.94 min Scan# 689

Delta R.T. -0.01 min

Lab File: BF093965.D

Acq: 28 Mar 2017 1:59

Instrument :

BNA_G

ClientSampleId :

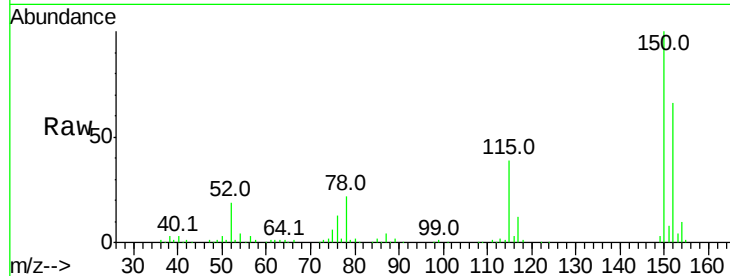
Tot Ion:152 Resp: 157541

Ion Ratio Lower Upper

152 100

150 151.5 126.2 189.2

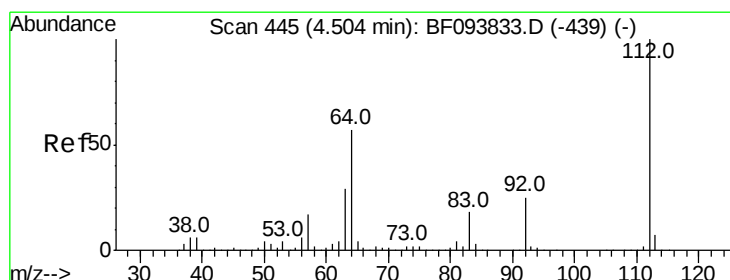
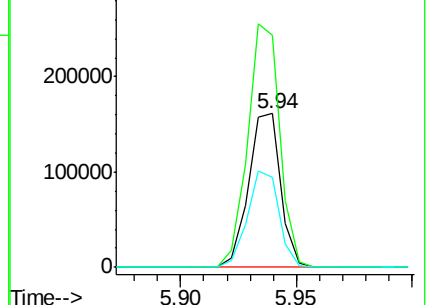
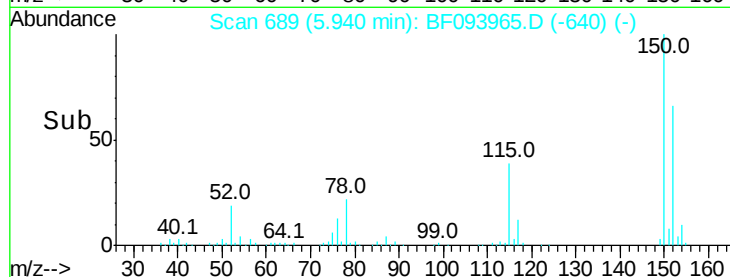
115 58.8 52.2 78.2



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: 137.66 ng

RT: 4.48 min Scan# 441

Delta R.T. 0.01 min

Lab File: BF093965.D

Acq: 28 Mar 2017 1:59

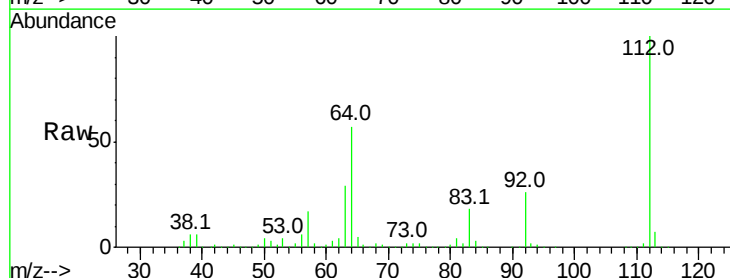
Tgt Ion:112 Resp: 1284041

Ion Ratio Lower Upper

112 100

64 57.4 46.0 69.0

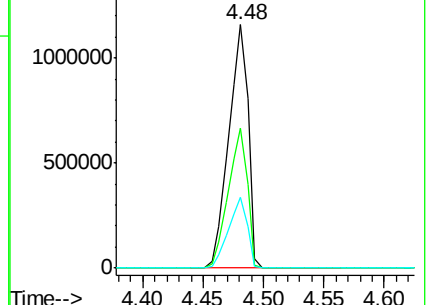
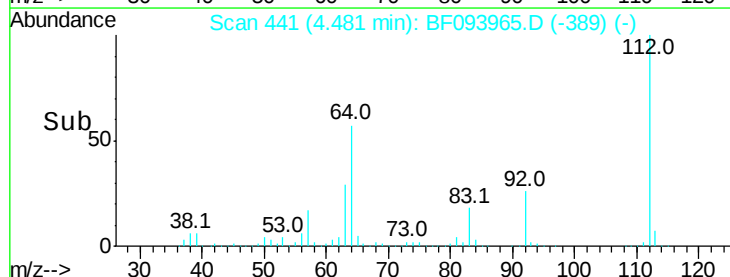
63 29.1 23.4 35.0



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: 140.34 ng

RT: 5.54 min Scan# 621

Delta R.T. -0.01 min

Lab File: BF093965.D

Acq: 28 Mar 2017 1:59

Instrument :

BNA_G

ClientSampleId :

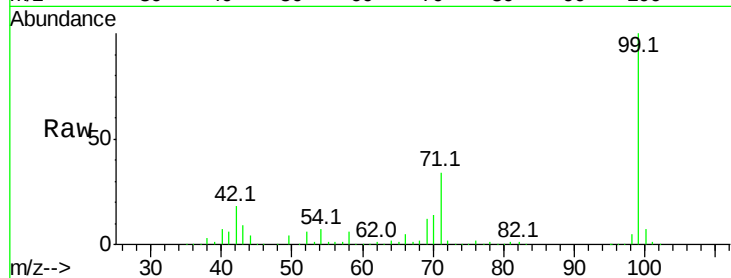
Tot Ion: 99 Resp: 1619405

Ion Ratio Lower Upper

99 100

42 18.1 13.5 20.3

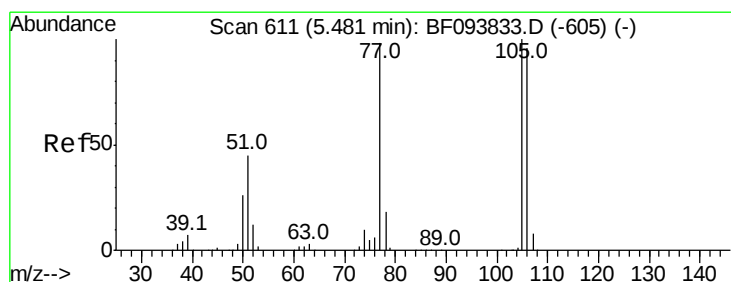
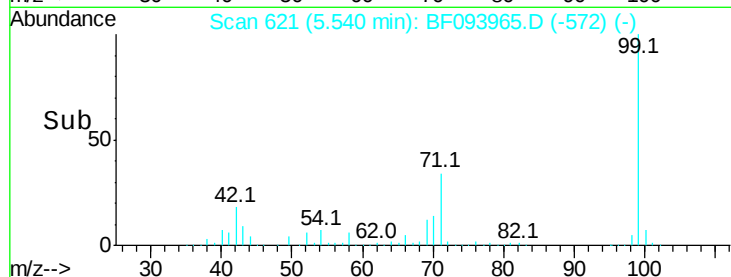
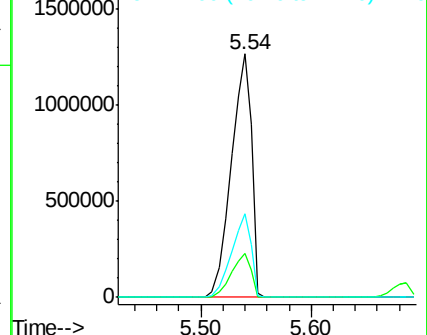
71 34.1 24.5 36.7



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: 3.51 ng

RT: 5.69 min Scan# 646

Delta R.T. 0.24 min

Lab File: BF093965.D

Acq: 28 Mar 2017 1:59

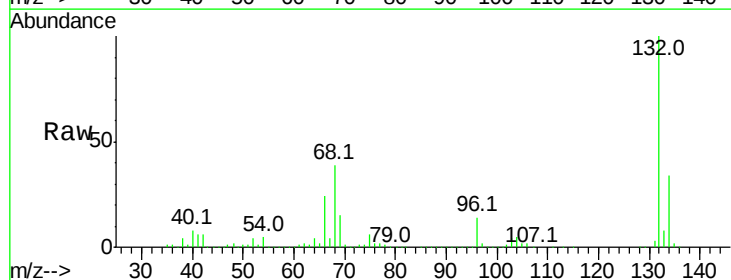
Tgt Ion: 77 Resp: 27367

Ion Ratio Lower Upper

77 100

105 84.6 83.8 123.8

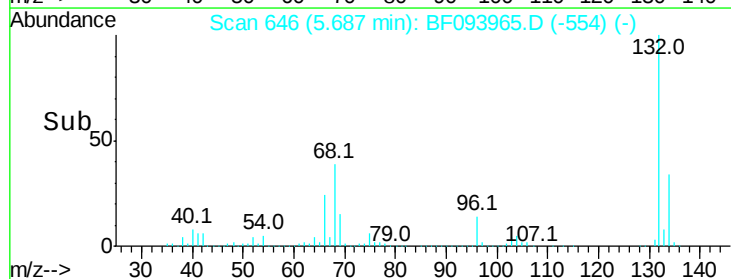
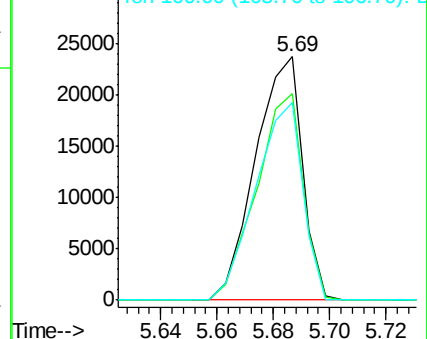
106 81.1 79.1 119.1



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#19

n-Nitroso-di-n-propylamine

Concen: 17.68 ng

RT: 6.59 min Scan# 799

Delta R.T. 0.15 min

Lab File: BF093965.D

Acq: 28 Mar 2017 1:59

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 131147

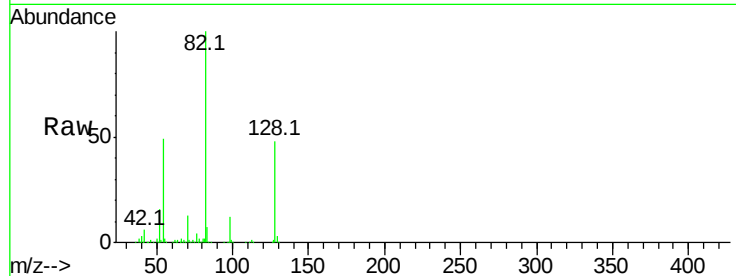
Ion Ratio Lower Upper

70 100

42 46.2 47.2 70.8#

101 0.0 7.2 10.8#

130 2.8 15.9 23.9#

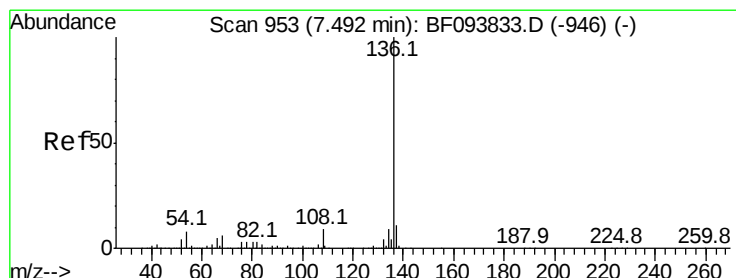
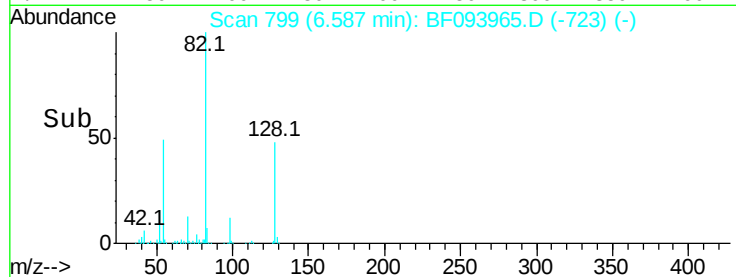
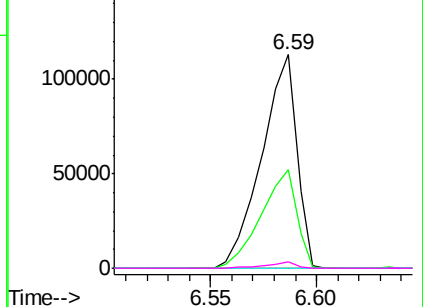


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF093965.D

Acq: 28 Mar 2017 1:59

Tgt Ion: 136 Resp: 640998

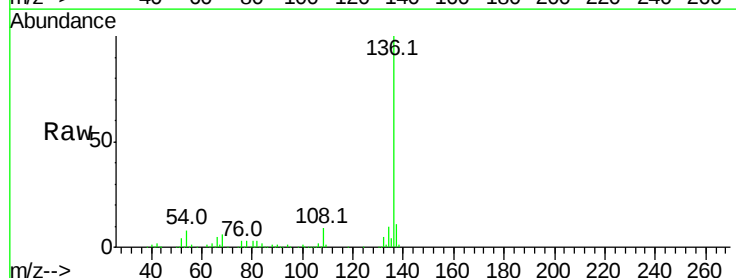
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 8.0 4.9 7.3#

68 6.3 4.1 6.1#

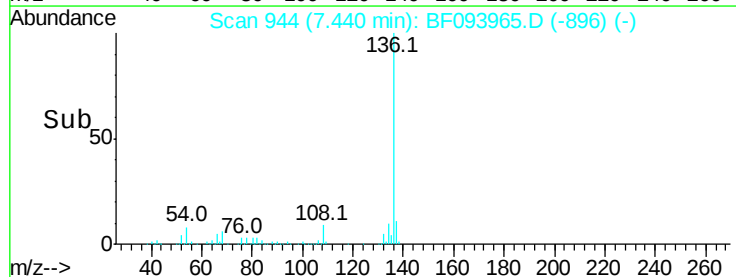
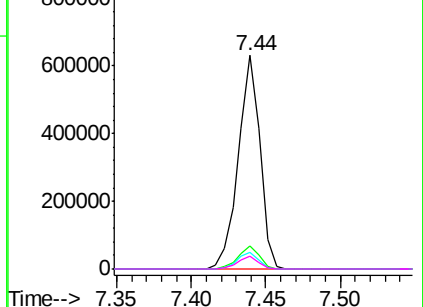


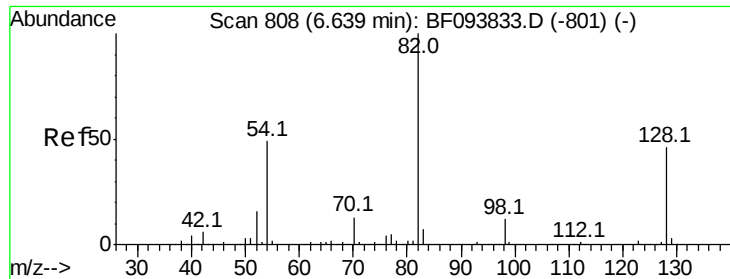
Abundance Ion 136.00 (135.70 to 136.70): BF0

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

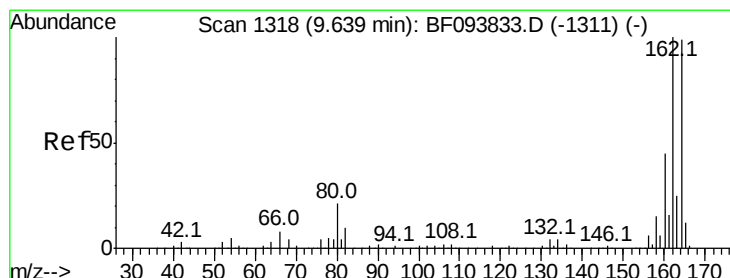
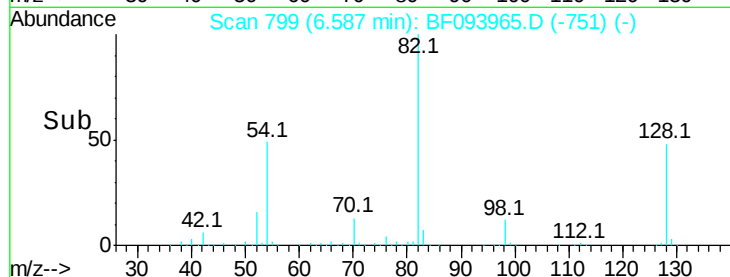
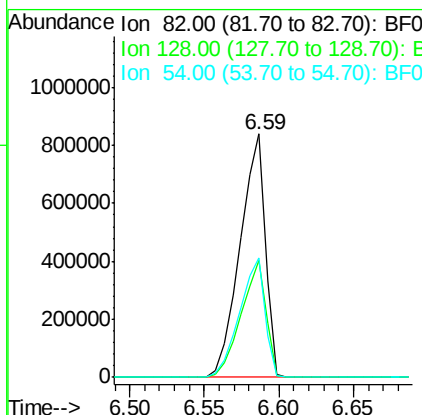
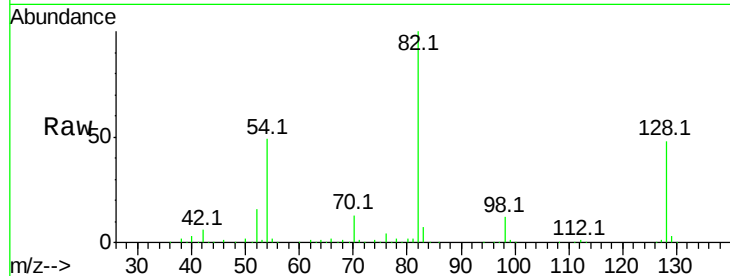




#23
 Nitrobenzene-d5
 Concen: 87.85 ng
 RT: 6.59 min Scan# 799
 Delta R.T. -0.02 min
 Lab File: BF093965.D
 Acq: 28 Mar 2017 1:59

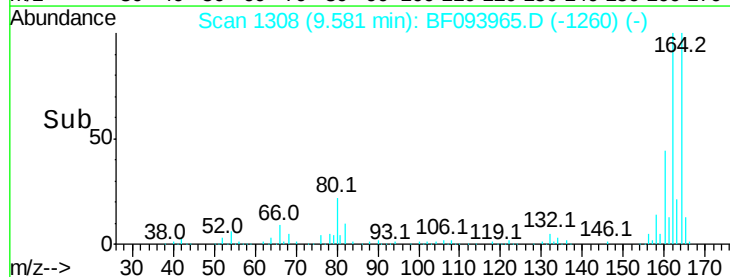
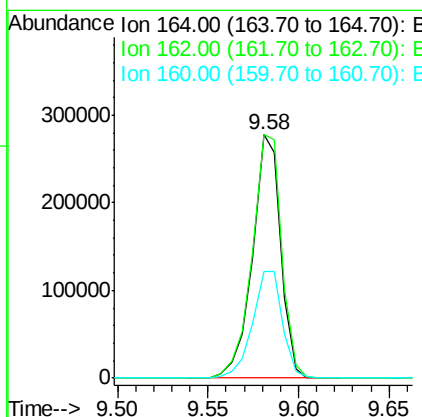
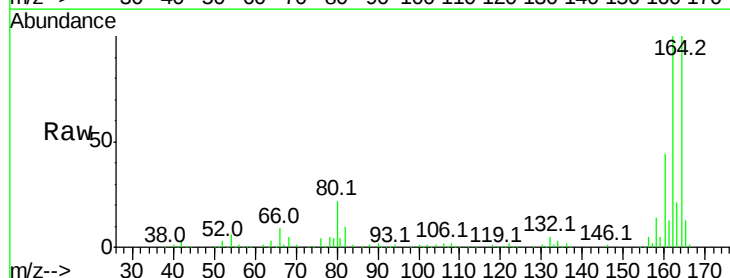
Instrument :
 BNA_G
 ClientSampled :

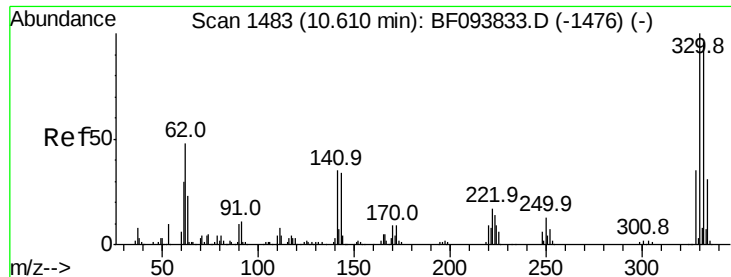
Tot Ion	82	Resp	986696
Ion	Ratio	Lower	Upper
82	100		
128	47.8	34.0	51.0
54	49.1	42.2	63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.58 min Scan# 1308
 Delta R.T. -0.02 min
 Lab File: BF093965.D
 Acq: 28 Mar 2017 1:59

Tgt Ion	164	Resp	299366
Ion	Ratio	Lower	Upper
164	100		
162	100.1	82.6	123.8
160	43.9	36.2	54.2

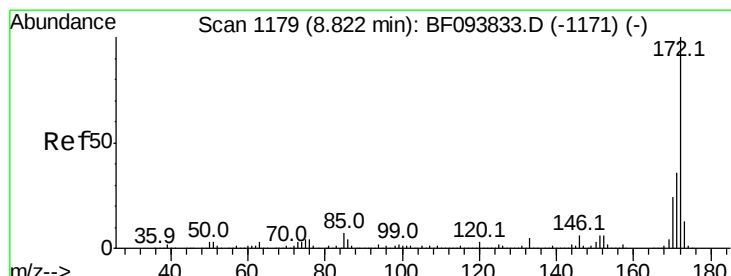
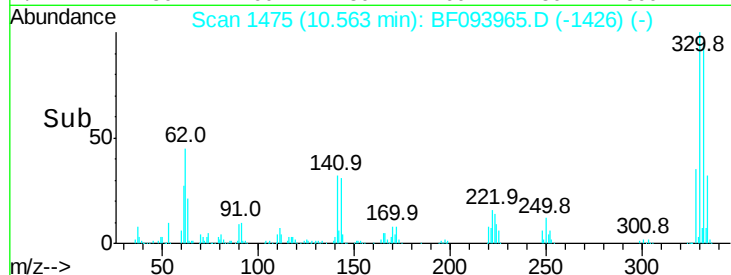
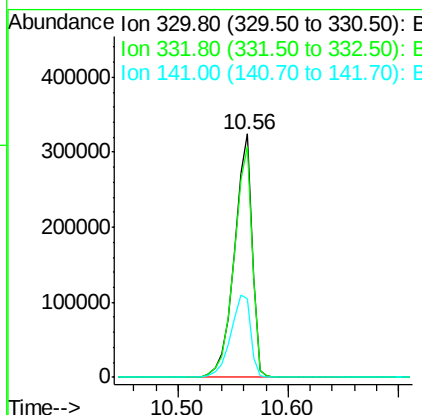
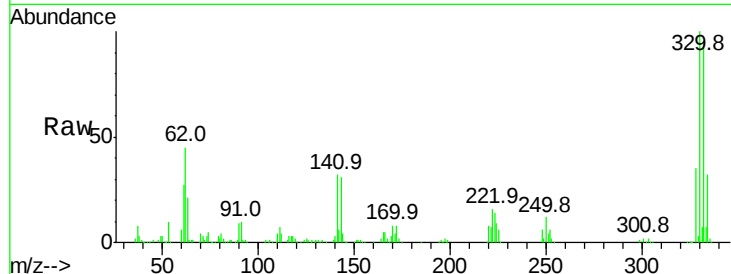




#41
 2,4,6-Tribromophenol
 Concen: 155.14 ng
 RT: 10.56 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: BF093965.D
 Acq: 28 Mar 2017 1:59

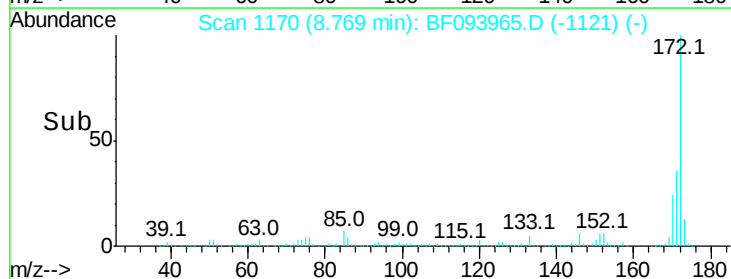
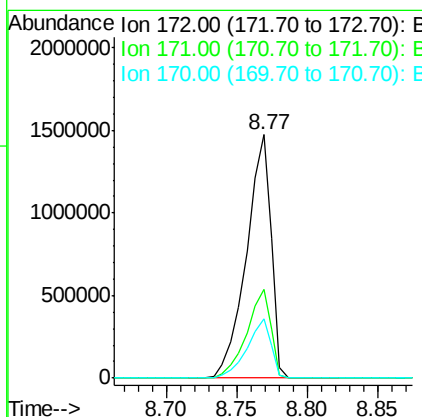
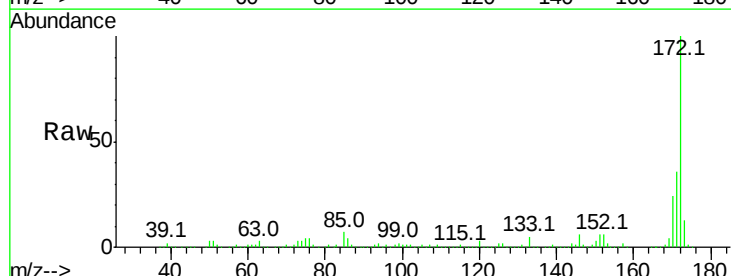
Instrument :
 BNA_G
 ClientSampleId :

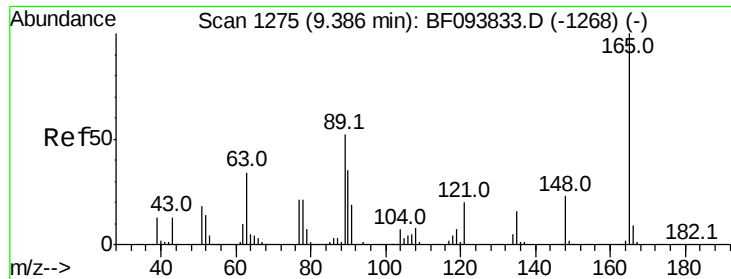
Tot Ion:330 Resp: 366996
 Ion Ratio Lower Upper
 330 100
 332 96.9 76.6 115.0
 141 37.9 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 92.19 ng
 RT: 8.77 min Scan# 1170
 Delta R.T. -0.01 min
 Lab File: BF093965.D
 Acq: 28 Mar 2017 1:59

Tgt Ion:172 Resp: 1809493
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.6 44.4
 170 24.4 19.8 29.8





#50

2,6-Dinitrotoluene

Concen: 7.79 ng

RT: 9.58 min Scan# 1308

Delta R.T. 0.23 min

Lab File: BF093965.D

Acq: 28 Mar 2017 1:59

Instrument :

BNA_G

ClientSampleId :

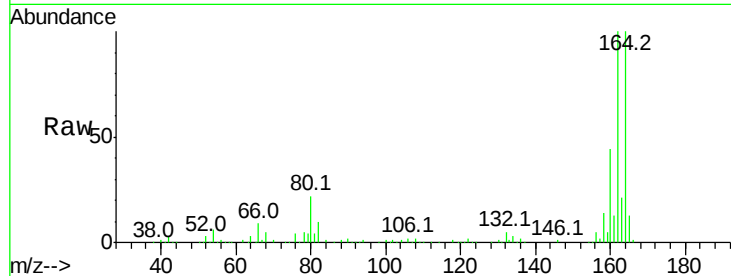
Tot Ion:165 Resp: 37981

Ion Ratio Lower Upper

165 100

63 1.3 34.3 51.5#

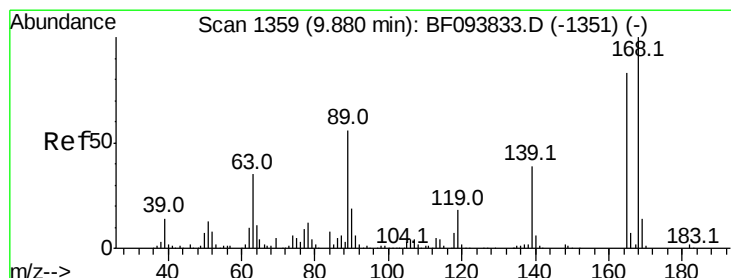
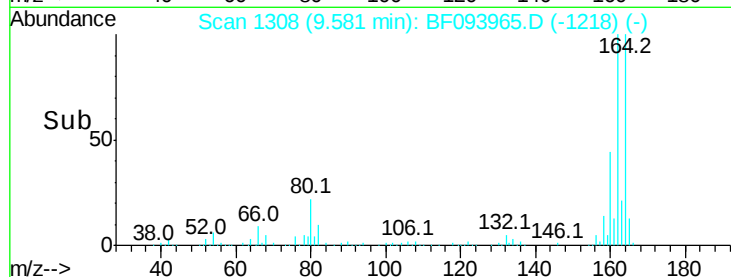
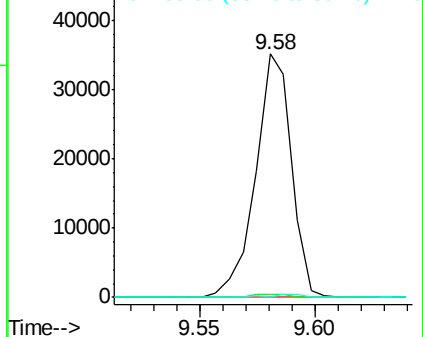
89 0.0 37.1 55.7#



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: 6.20 ng

RT: 9.58 min Scan# 1308

Delta R.T. -0.26 min

Lab File: BF093965.D

Acq: 28 Mar 2017 1:59

Tgt Ion:165 Resp: 37982

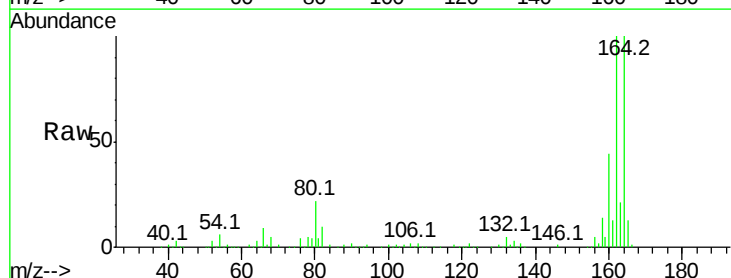
Ion Ratio Lower Upper

165 100

63 1.3 25.4 38.0#

89 0.0 46.4 69.6#

182 0.0 1.8 2.6#

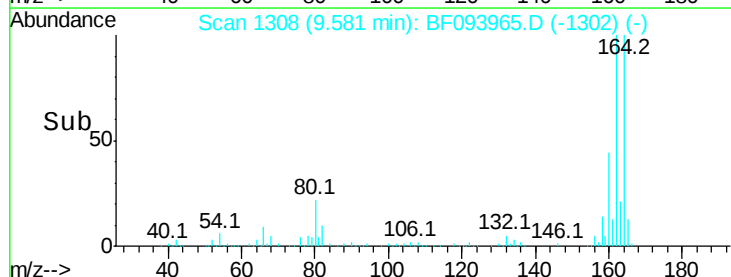
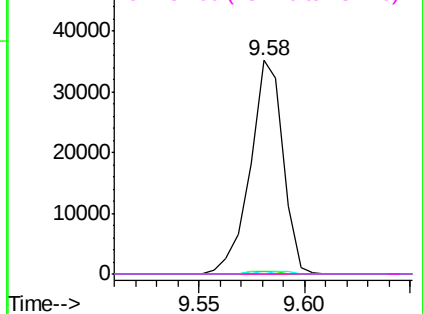


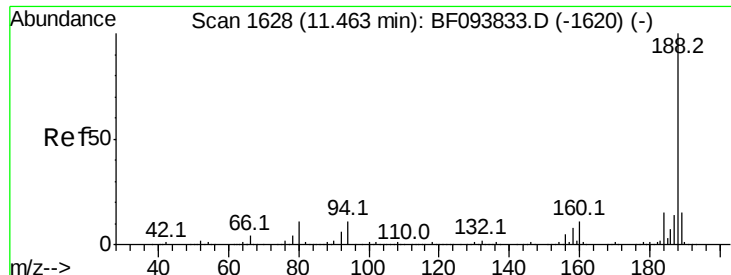
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF093965.D

Acq: 28 Mar 2017 1:59

Instrument :

BNA_G

ClientSampleId :

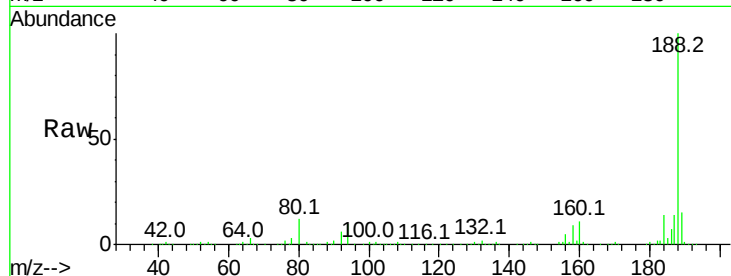
Tot Ion:188 Resp: 555122

Ion Ratio Lower Upper

188 100

94 10.3 9.4 14.2

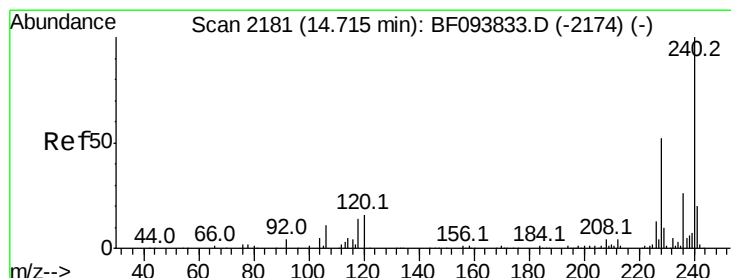
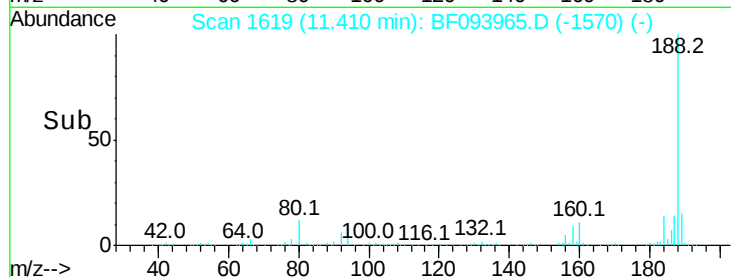
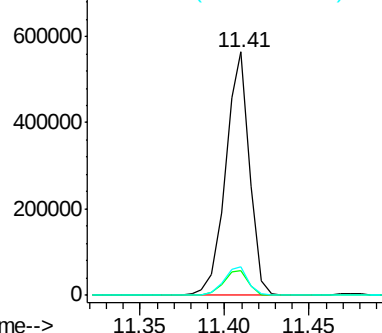
80 11.6 10.2 15.2



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: BF093965.D

Acq: 28 Mar 2017 1:59

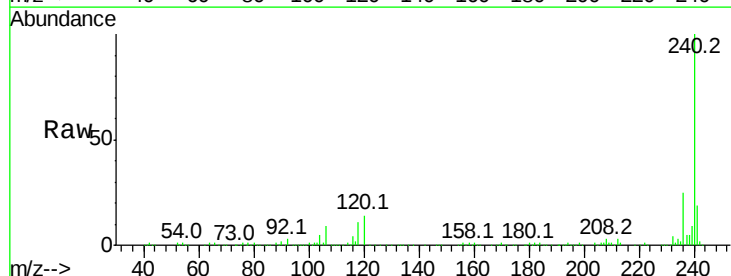
Tgt Ion:240 Resp: 489759

Ion Ratio Lower Upper

240 100

120 13.5 5.8 8.8#

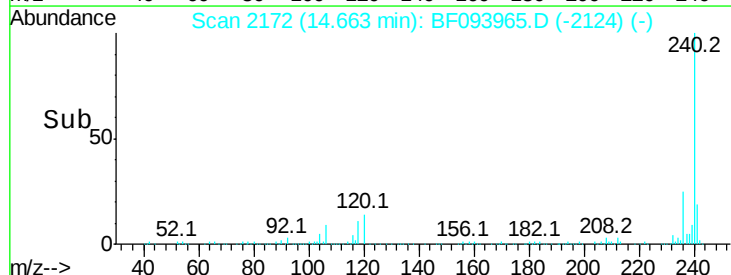
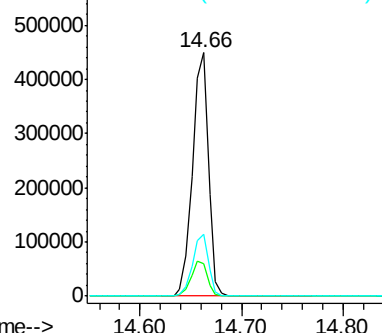
236 25.1 20.5 30.7

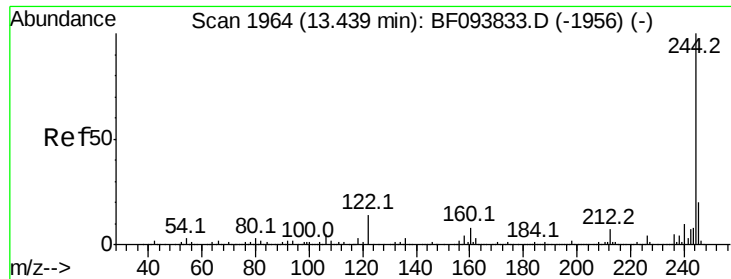


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 75.49 ng

RT: 13.39 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BF093965.D

Acq: 28 Mar 2017 1:59

Instrument :

BNA_G

ClientSampleId :

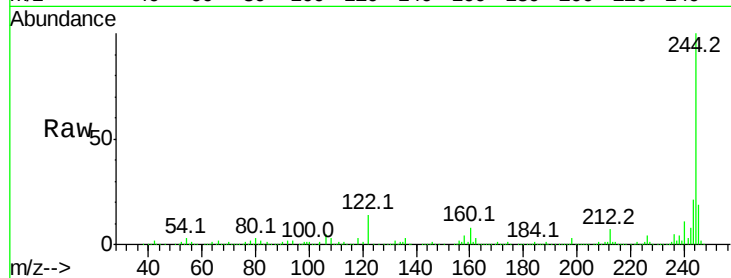
Tot Ion:244 Resp: 1649441

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

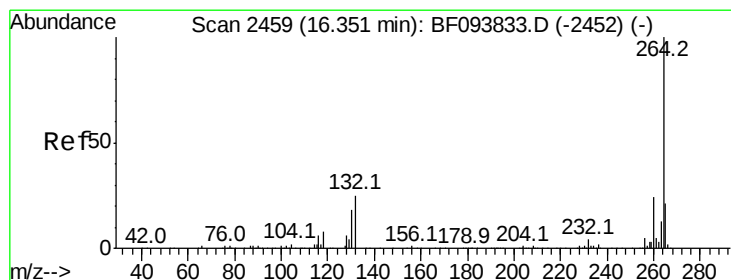
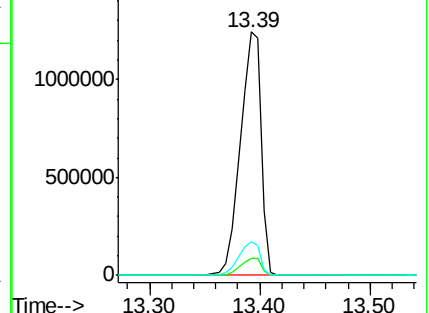
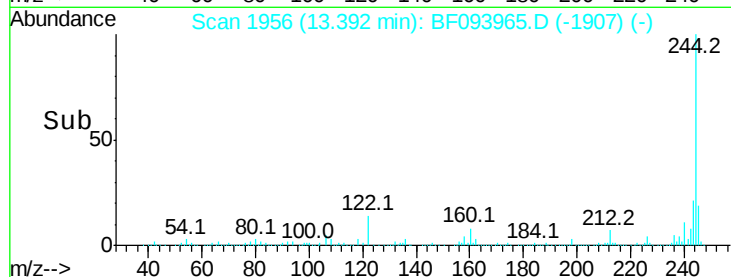
122 13.6 10.3 15.5



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: 16.29 min Scan# 2449

Delta R.T. -0.02 min

Lab File: BF093965.D

Acq: 28 Mar 2017 1:59

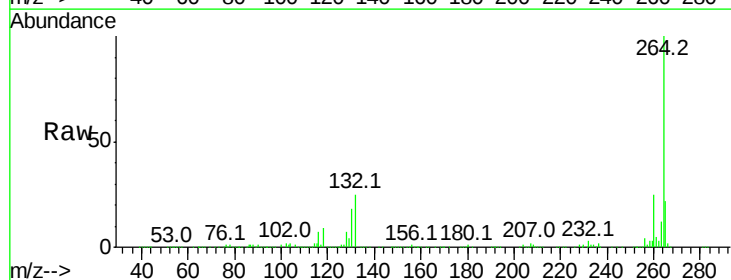
Tgt Ion:264 Resp: 359505

Ion Ratio Lower Upper

264 100

260 25.0 19.5 29.3

265 22.1 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

