

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032717\
 Data File : BF093969.D
 Acq On : 28 Mar 2017 3:49
 Operator : SJ/MA
 Sample : I2384-04
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-B43-B50-001

Quant Time: Mar 28 04:46:06 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

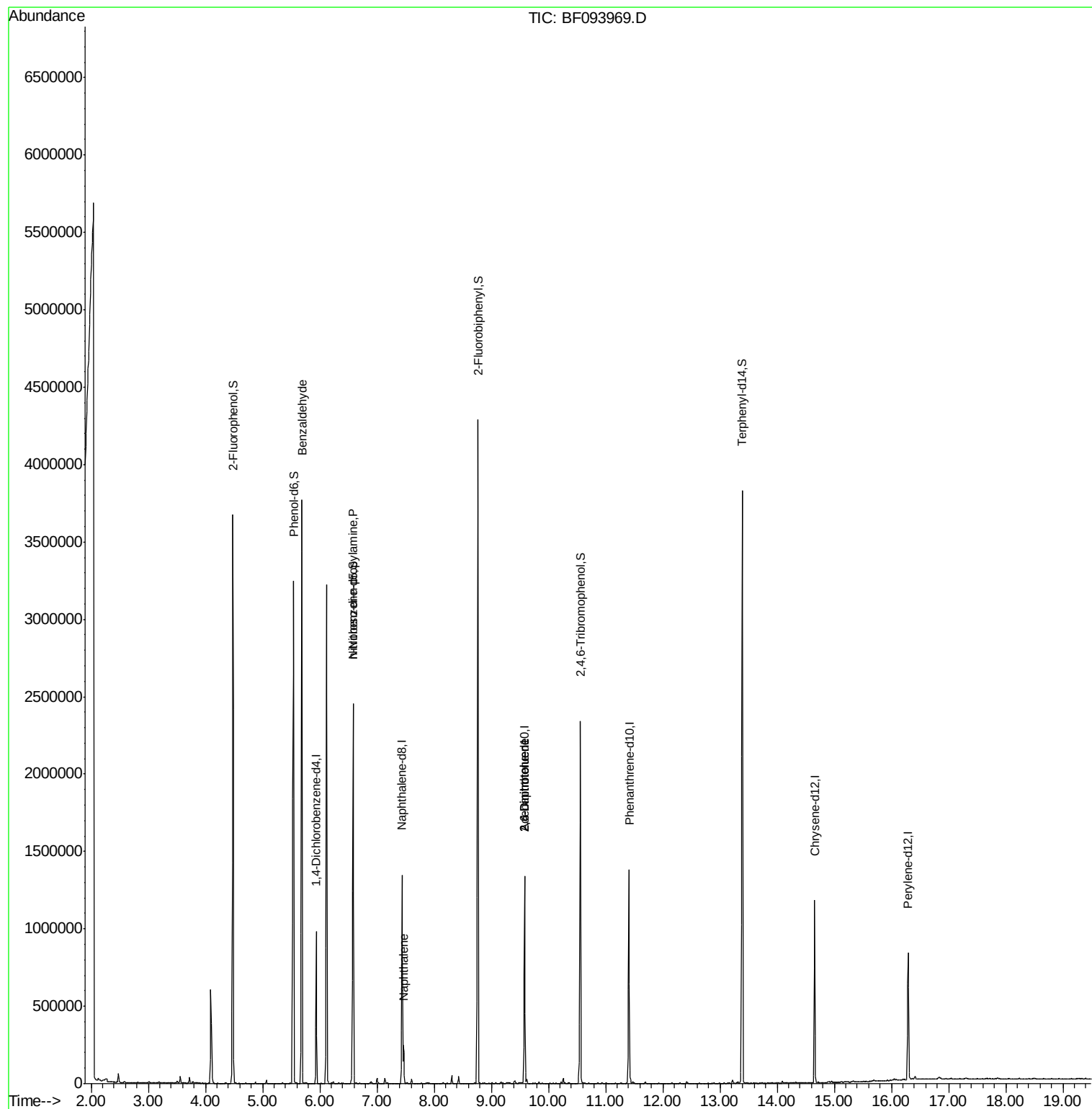
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.94	152	166052	20.00	ng	-0.01
21) Naphthalene-d8	7.44	136	673429	20.00	ng	-0.02
38) Acenaphthene-d10	9.58	164	314078	20.00	ng	-0.02
63) Phenanthrene-d10	11.41	188	582020	20.00	ng	-0.01
75) Chrysene-d12	14.66	240	460809	20.00	ng	-0.02
86) Perylene-d12	16.29	264	326579	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.48	112	1150394	117.01	ng	0.00
7) Phenol-d6	5.54	99	1411227	116.03	ng	-0.01
23) Nitrobenzene-d5	6.59	82	962376	81.56	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	345508	139.21	ng	-0.01
44) 2-Fluorobiphenyl	8.77	172	1750856	85.03	ng	-0.01
78) Terphenyl-d14	13.39	244	1606468	78.14	ng	-0.01
Target Compounds						
9) Benzaldehyde	5.69	77	25795	3.14	ng	Qvalue 83
19) n-Nitroso-di-n-propylamine	6.59	70	125567	16.06	ng	# 78
31) Naphthalene	7.46	128	120448	3.72	ng	100
50) 2,6-Dinitrotoluene	9.58	165	40898	7.99	ng	# 33
56) 2,4-Dinitrotoluene	9.58	165	40899	6.36	ng	# 33

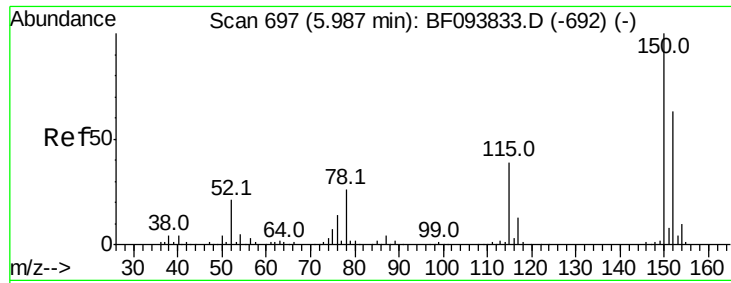
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.94 min Scan# 689

Delta R.T. -0.01 min

Lab File: BF093969.D

Acq: 28 Mar 2017 3:49

Instrument :

BNA_F

ClientSampleId :

WC-B43-B50-001

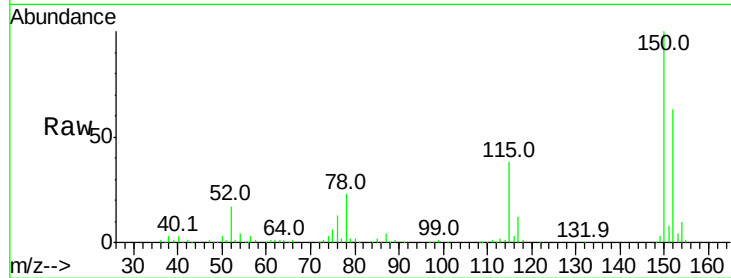
Tot Ion:152 Resp: 166052

Ion Ratio Lower Upper

152 100

150 158.1 126.2 189.2

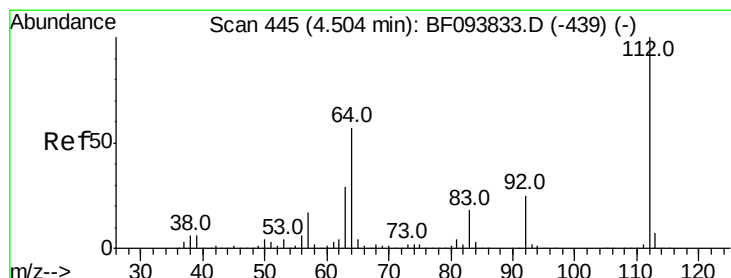
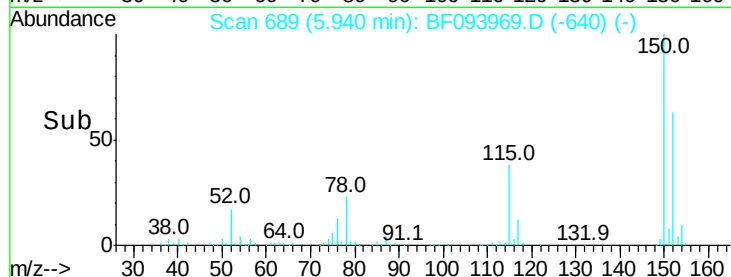
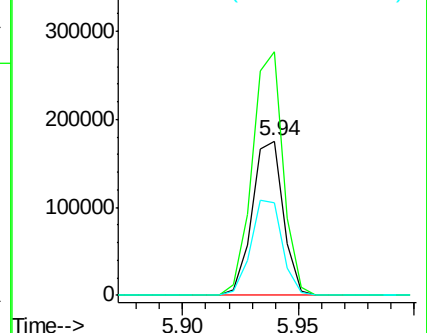
115 60.2 52.2 78.2



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: 117.01 ng

RT: 4.48 min Scan# 441

Delta R.T. 0.01 min

Lab File: BF093969.D

Acq: 28 Mar 2017 3:49

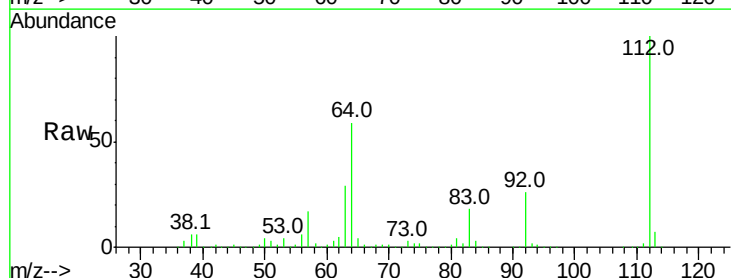
Tgt Ion:112 Resp: 1150394

Ion Ratio Lower Upper

112 100

64 58.9 46.0 69.0

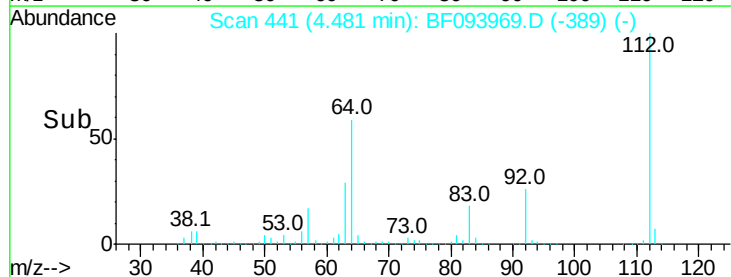
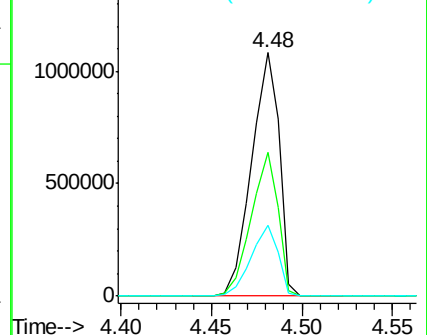
63 29.2 23.4 35.0

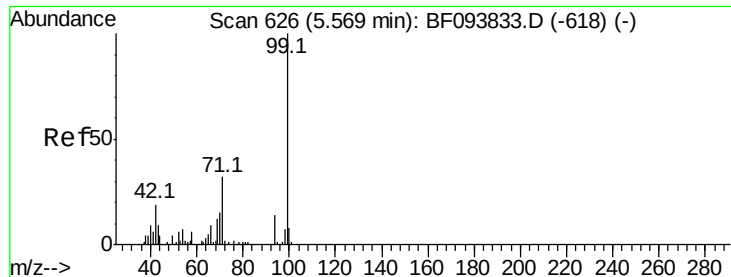


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 116.03 ng

RT: 5.54 min Scan# 621

Delta R.T. -0.01 min

Lab File: BF093969.D

Acq: 28 Mar 2017 3:49

Instrument :

BNA_F

ClientSampleId :

WC-B43-B50-001

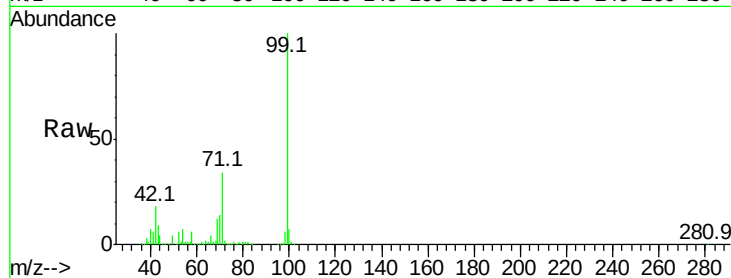
Tot Ion: 99 Resp: 1411227

Ion Ratio Lower Upper

99 100

42 18.1 13.5 20.3

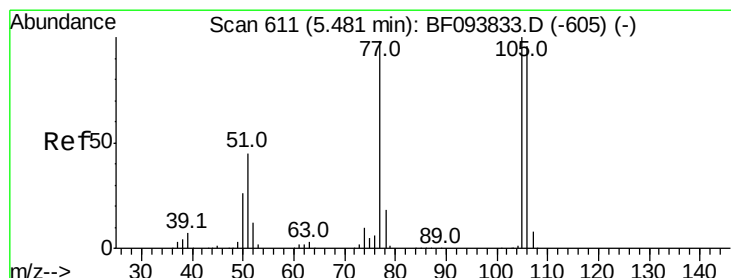
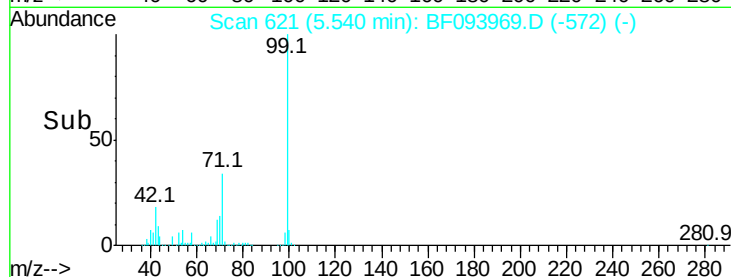
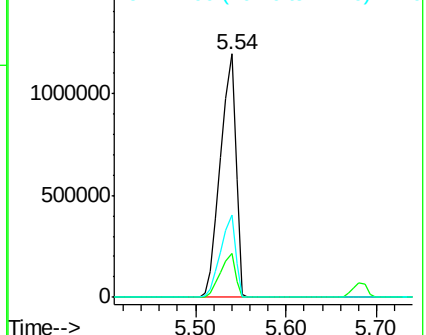
71 33.7 24.5 36.7



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



#9

Benzaldehyde

Concen: 3.14 ng

RT: 5.69 min Scan# 646

Delta R.T. 0.24 min

Lab File: BF093969.D

Acq: 28 Mar 2017 3:49

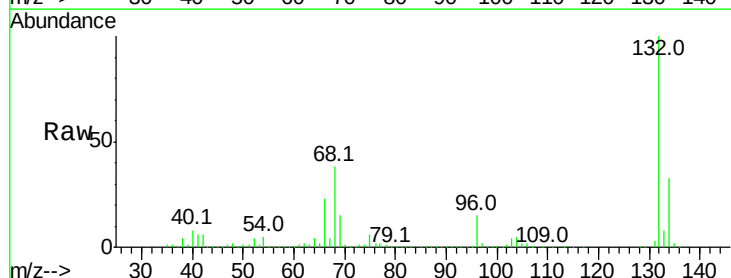
Tgt Ion: 77 Resp: 25795

Ion Ratio Lower Upper

77 100

105 87.1 83.8 123.8

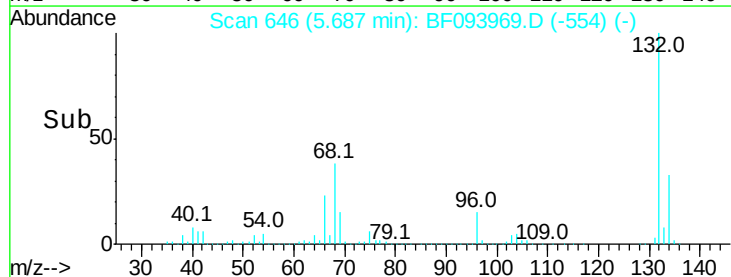
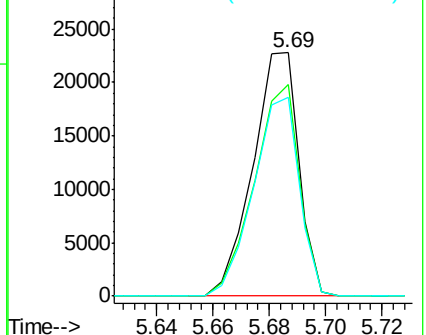
106 81.9 79.1 119.1

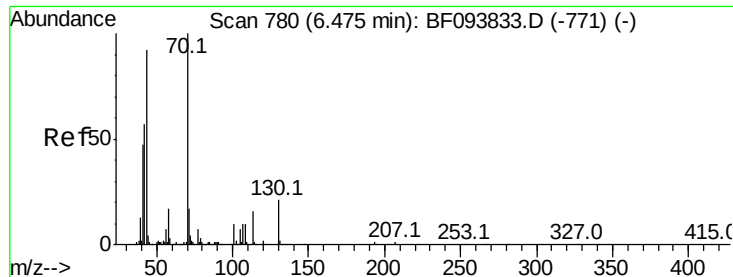


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 16.06 ng

RT: 6.59 min Scan# 799

Delta R.T. 0.15 min

Lab File: BF093969.D

Acq: 28 Mar 2017 3:49

Instrument :

BNA_F

ClientSampleId :

WC-B43-B50-001

Tot Ion: 70 Resp: 125567

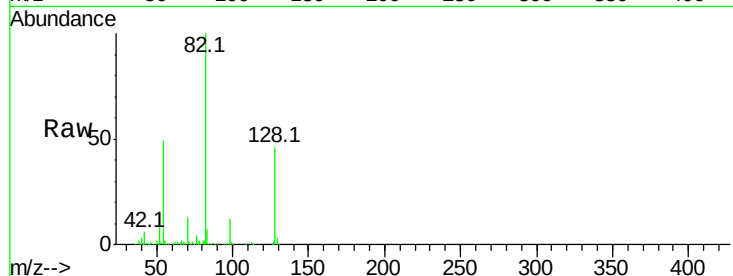
Ion Ratio Lower Upper

70 100

42 46.6 47.2 70.8#

101 0.0 7.2 10.8#

130 2.4 15.9 23.9#

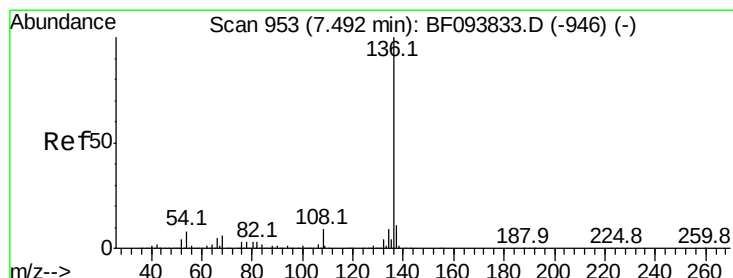
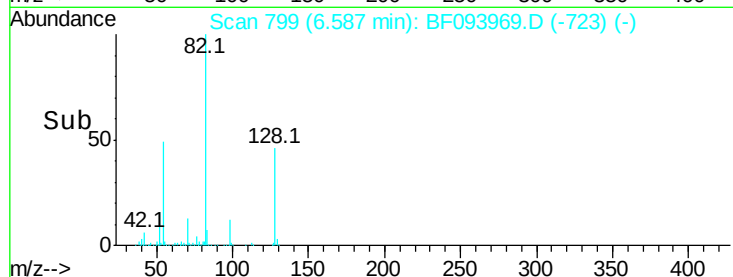
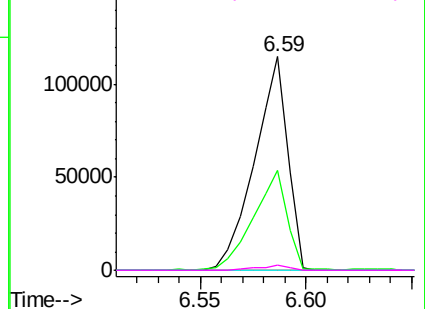


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF093969.D

Acq: 28 Mar 2017 3:49

Tgt Ion: 136 Resp: 673429

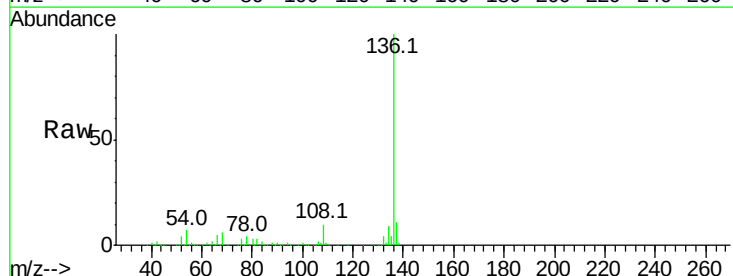
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 7.4 4.9 7.3#

68 6.0 4.1 6.1

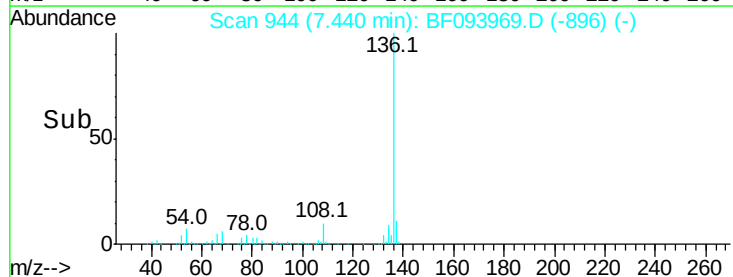
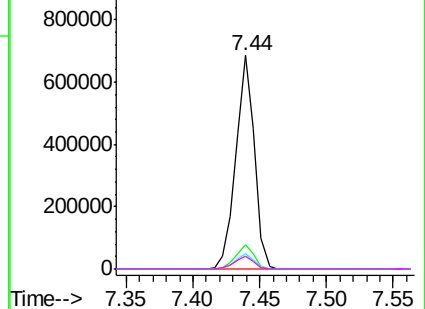


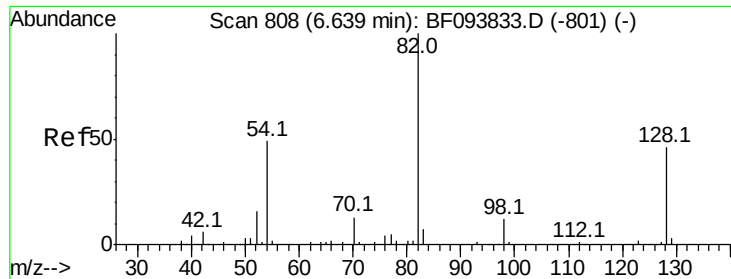
Abundance Ion 136.00 (135.70 to 136.70): BF0

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

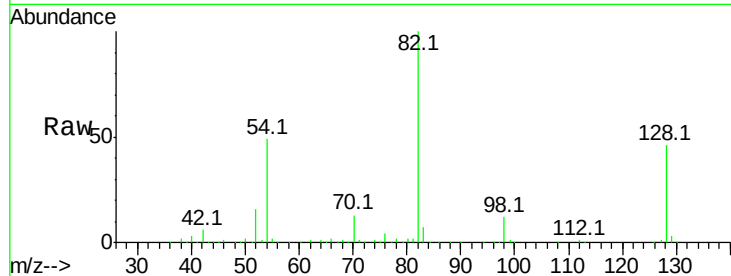




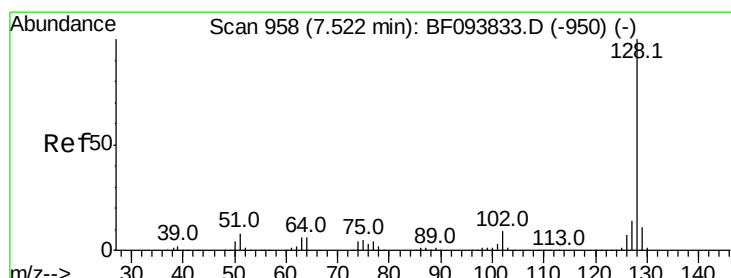
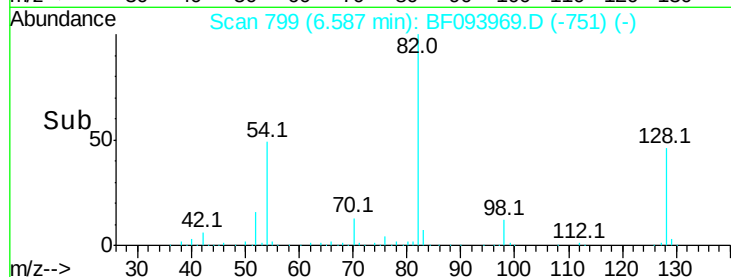
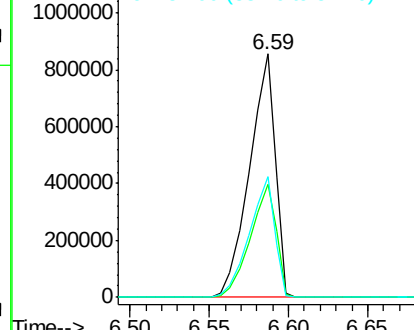
#23
Nitrobenzene-d5
Concen: 81.56 ng
RT: 6.59 min Scan# 799
Delta R.T. -0.02 min
Lab File: BF093969.D
Acq: 28 Mar 2017 3:49

Instrument :
BNA_F
ClientSampleId :
WC-B43-B50-001

Tot Ion: 82 Resp: 962376
Ion Ratio Lower Upper
82 100
128 46.2 34.0 51.0
54 49.3 42.2 63.2

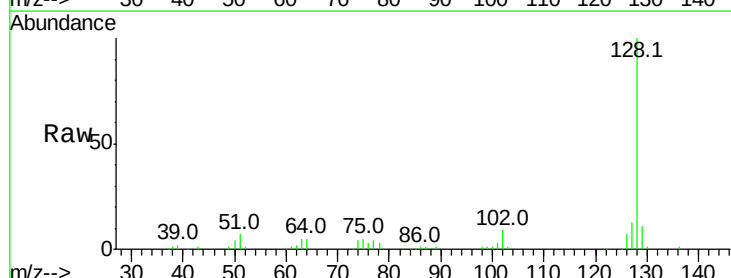


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

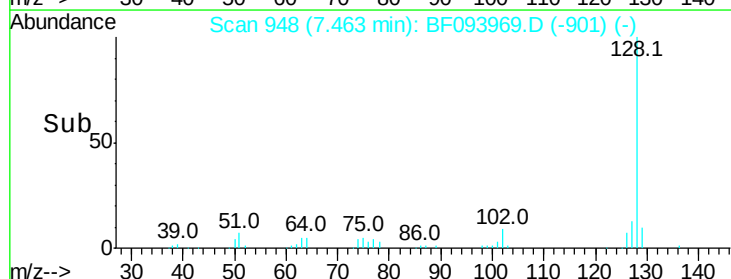
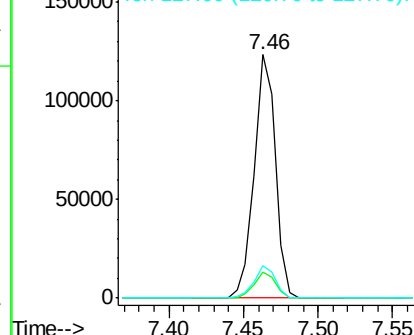


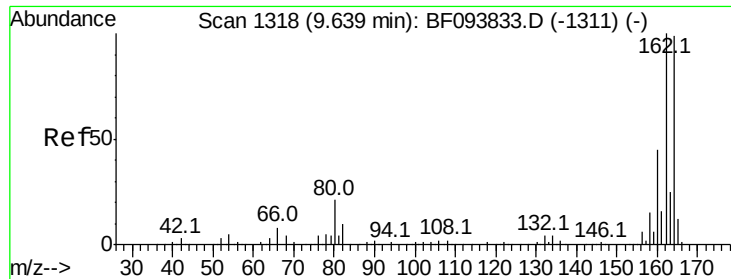
#31
Naphthalene
Concen: 3.72 ng
RT: 7.46 min Scan# 948
Delta R.T. -0.02 min
Lab File: BF093969.D
Acq: 28 Mar 2017 3:49

Tgt Ion:128 Resp: 120448
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.6
127 13.4 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.58 min Scan# 1308

Delta R.T. -0.02 min

Lab File: BF093969.D

Acq: 28 Mar 2017 3:49

Instrument :

BNA_F

ClientSampleId :

WC-B43-B50-001

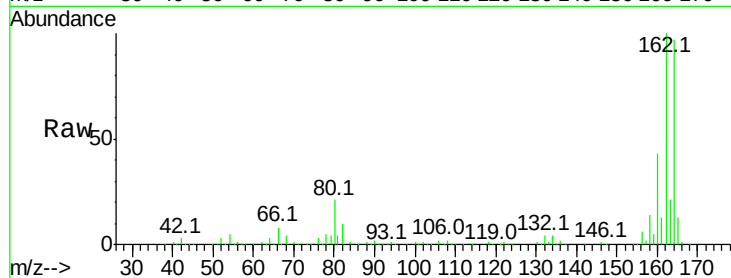
Tot Ion:164 Resp: 314078

Ion Ratio Lower Upper

164 100

162 103.2 82.6 123.8

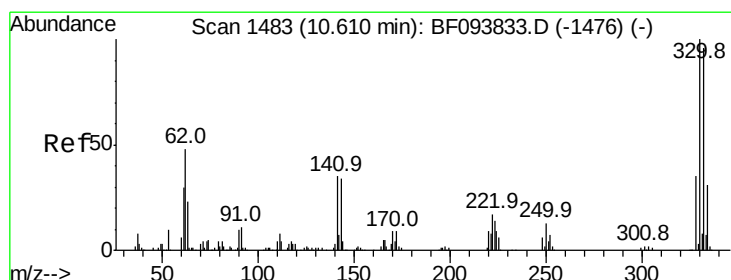
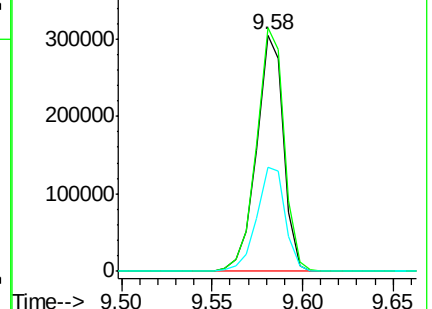
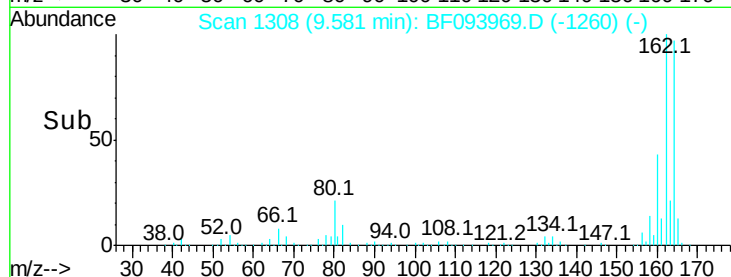
160 44.3 36.2 54.2



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: 139.21 ng

RT: 10.56 min Scan# 1475

Delta R.T. -0.01 min

Lab File: BF093969.D

Acq: 28 Mar 2017 3:49

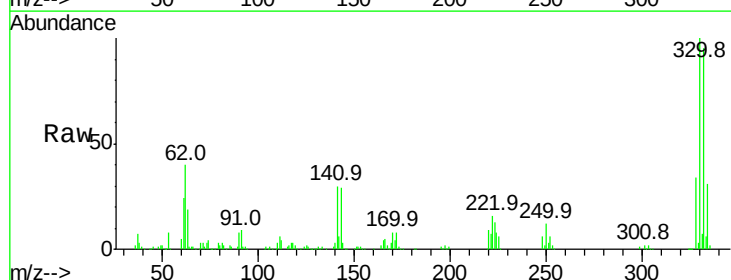
Tgt Ion:330 Resp: 345508

Ion Ratio Lower Upper

330 100

332 95.3 76.6 115.0

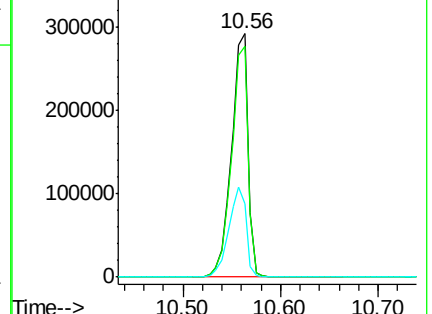
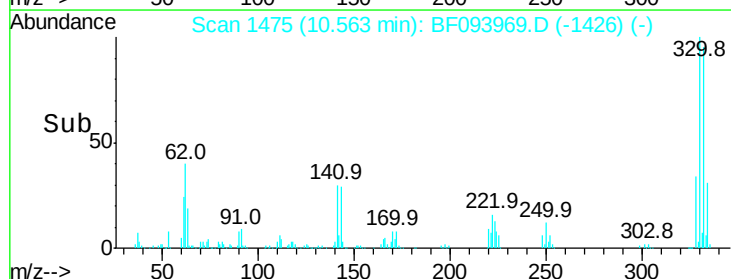
141 38.4 31.4 47.2

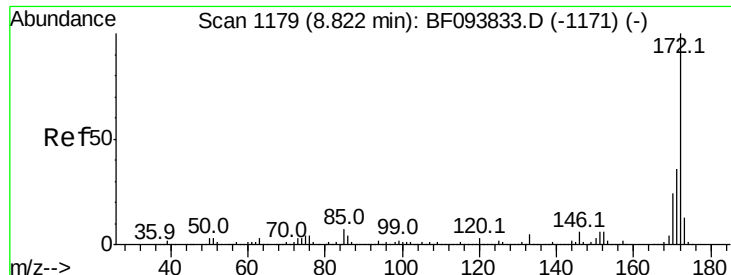


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

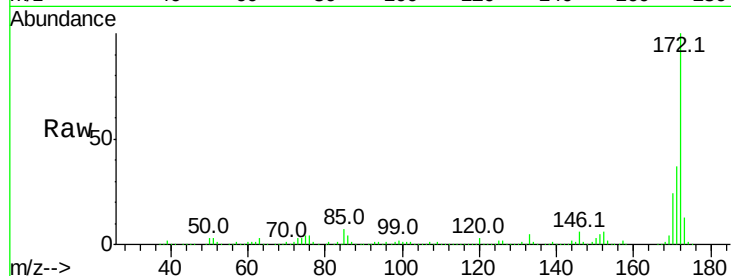




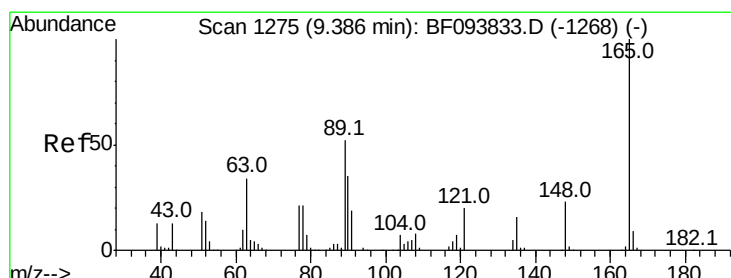
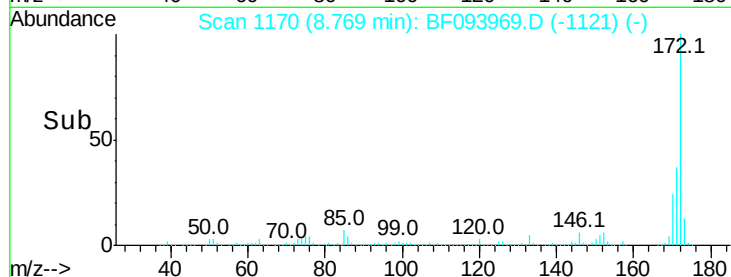
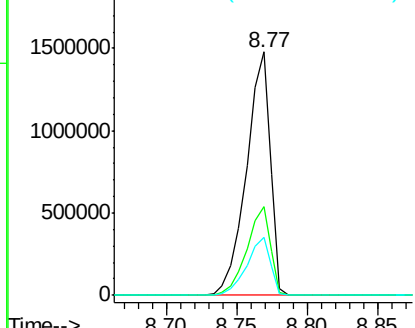
#44
 2-Fluorobiphenyl
 Concen: 85.03 ng
 RT: 8.77 min Scan# 1170
 Delta R.T. -0.01 min
 Lab File: BF093969.D
 Acq: 28 Mar 2017 3:49

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 WC-B43-B50-001

Tot Ion:172 Resp: 1750856
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.6 44.4
 170 23.9 19.8 29.8

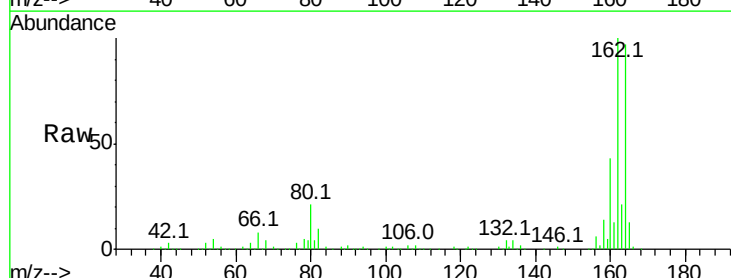


Abundance Ion 172.00 (171.70 to 172.70): E
 2000000 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

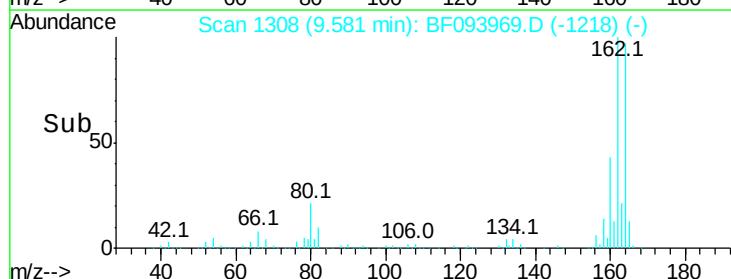
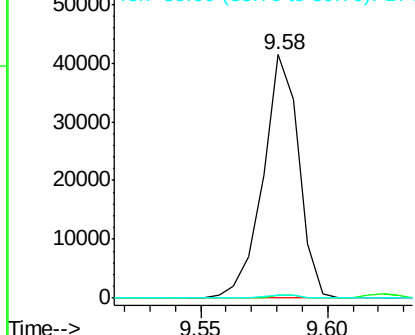


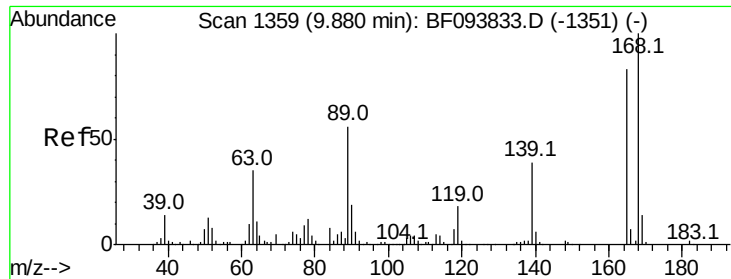
#50
 2,6-Dinitrotoluene
 Concen: 7.99 ng
 RT: 9.58 min Scan# 1308
 Delta R.T. 0.23 min
 Lab File: BF093969.D
 Acq: 28 Mar 2017 3:49

Tgt Ion:165 Resp: 40898
 Ion Ratio Lower Upper
 165 100
 63 1.3 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

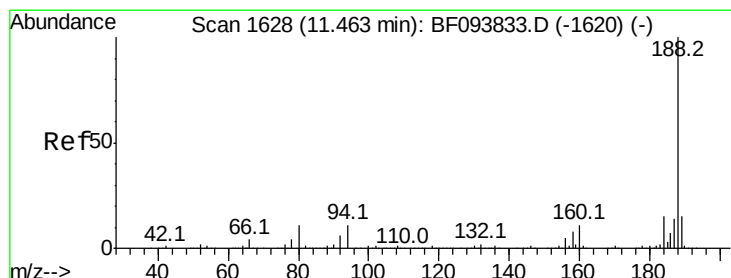
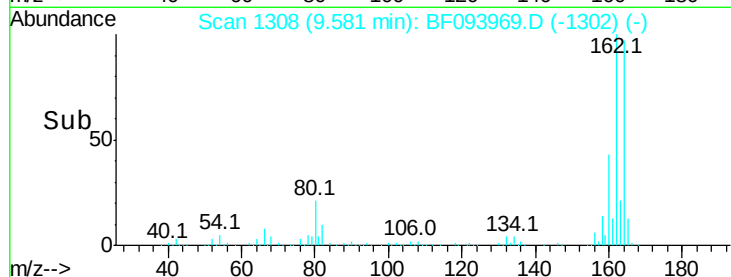
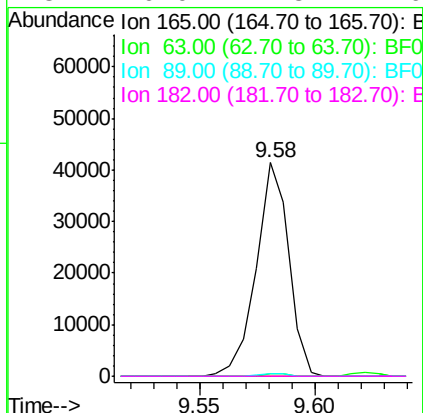
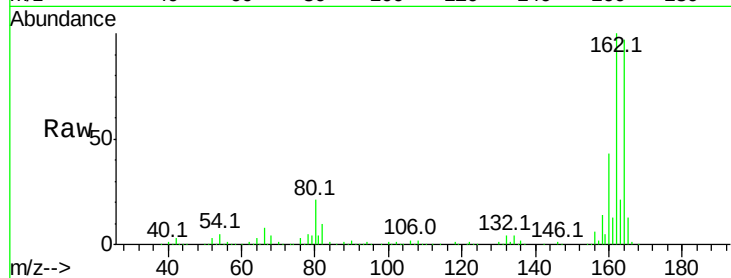




#56
 2,4-Dinitrotoluene
 Concen: 6.36 ng
 RT: 9.58 min Scan# 1308
 Delta R.T. -0.26 min
 Lab File: BF093969.D
 Acq: 28 Mar 2017 3:49

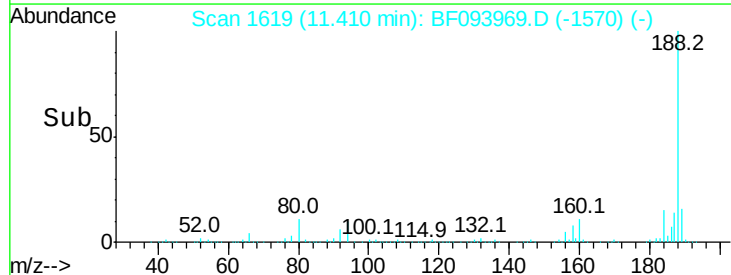
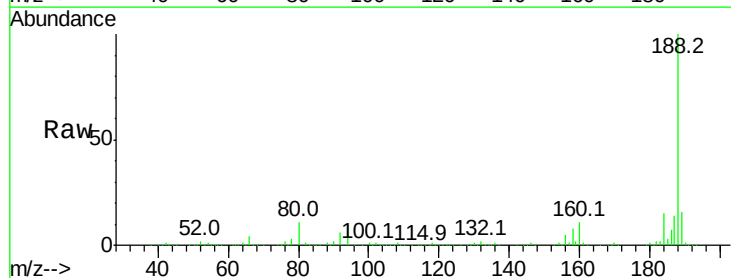
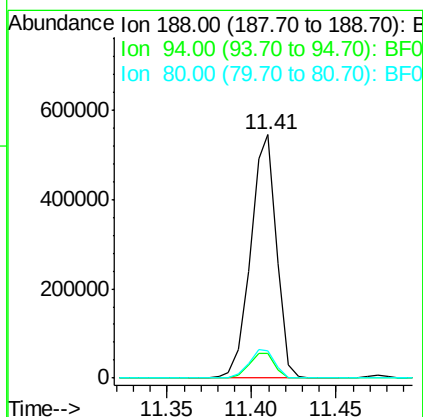
Instrument :
 BNA_F
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 WC-B43-B50-001

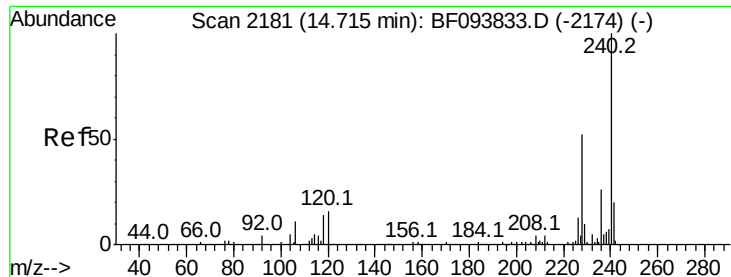
Tot Ion:	165	Resp:	40899
Ion Ratio	Lower	Upper	
165	100		
63	1.3	25.4	38.0#
89	1.1	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.41 min Scan# 1619
 Delta R.T. -0.01 min
 Lab File: BF093969.D
 Acq: 28 Mar 2017 3:49

Tgt Ion:	188	Resp:	582020
Ion Ratio	Lower	Upper	
188	100		
94	10.1	9.4	14.2
80	11.2	10.2	15.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.66 min Scan# 2171

Delta R.T. -0.02 min

Lab File: BF093969.D

Acq: 28 Mar 2017 3:49

Instrument :

BNA_F

ClientSampleId :

WC-B43-B50-001

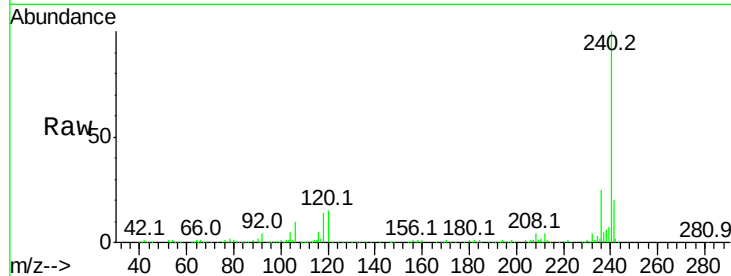
Tot Ion:240 Resp: 460809

Ion Ratio Lower Upper

240 100

120 15.3 5.8 8.8#

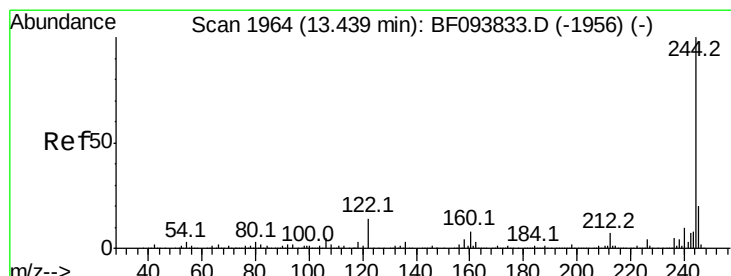
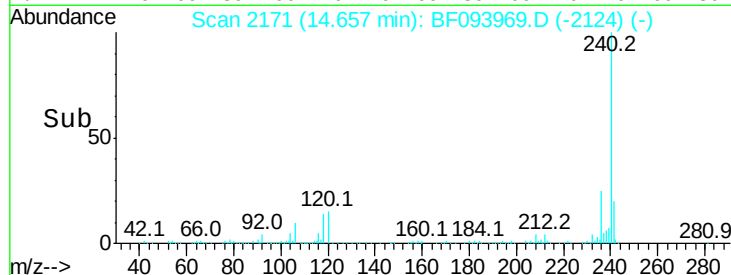
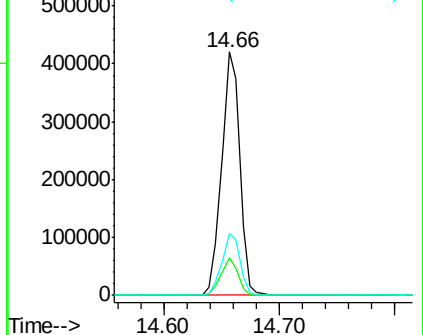
236 25.3 20.5 30.7



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: 78.14 ng

RT: 13.39 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BF093969.D

Acq: 28 Mar 2017 3:49

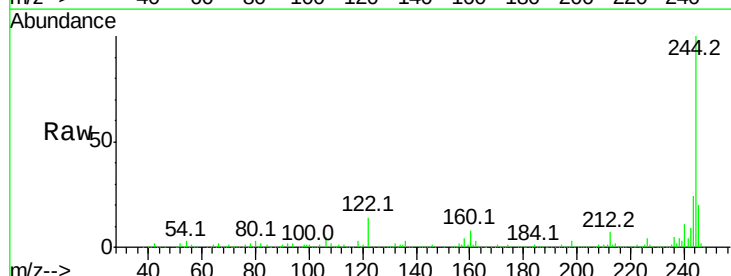
Tgt Ion:244 Resp: 1606468

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

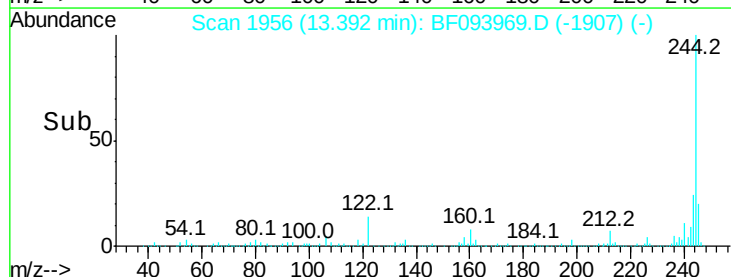
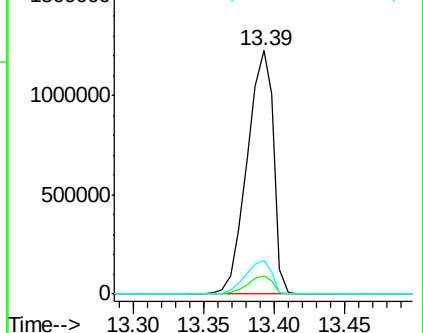
122 13.7 10.3 15.5

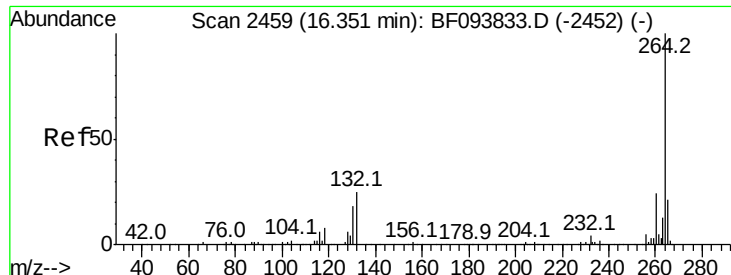


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

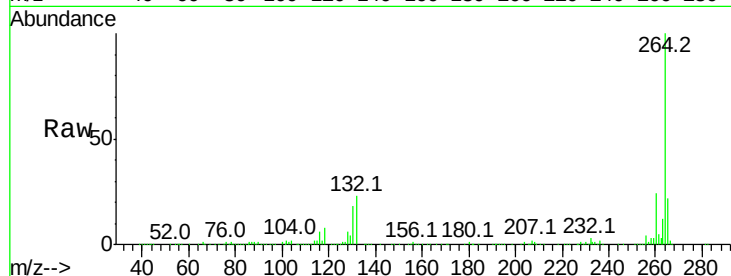




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 16.29 min Scan# 2449
 Delta R.T. -0.02 min
 Lab File: BF093969.D
 Acq: 28 Mar 2017 3:49

Instrument :
 BNA_F
 ClientSampleId :
 WC-B43-B50-001

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	21.9	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

