

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080416\
 Data File : BF089618.D
 Acq On : 5 Aug 2016 8:04
 Operator : UM/SJ
 Sample : H4288-24
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GW-DUP-04-072816

Quant Time: Aug 05 13:39:07 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 01:39:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	43186	20.00	ng	0.00
21) Naphthalene-d8	9.47	136	187056	20.00	ng	0.00
38) Acenaphthene-d10	12.30	164	92401	20.00	ng	0.00
63) Phenanthrene-d10	14.69	188	178851	20.00	ng	-0.01
75) Chrysene-d12	18.39	240	120176	20.00	ng	0.00
86) Perylene-d12	20.05	264	88042	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	138778	53.86	ng	0.01
7) Phenol-d6	6.98	99	119340	34.14	ng	0.00
23) Nitrobenzene-d5	8.35	82	290403	85.87	ng	-0.01
41) 2,4,6-Tribromophenol	13.59	330	95960	125.84	ng	0.00
44) 2-Fluorobiphenyl	11.26	172	562916	79.17	ng	0.00
78) Terphenyl-d14	17.05	244	480259	78.89	ng	0.00

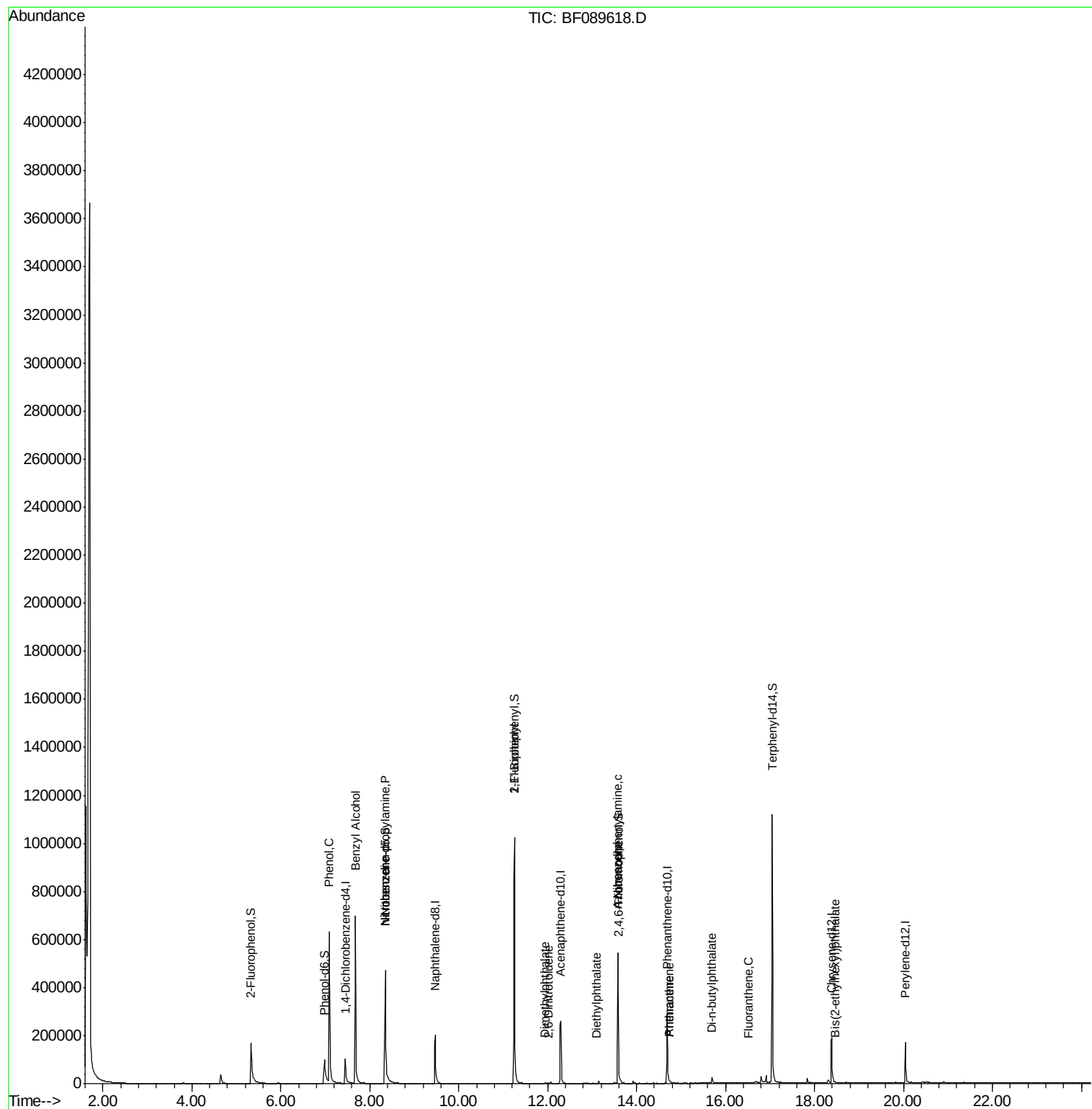
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.08	94	592	0.16	ng	# 1
15) Benzyl Alcohol	7.68	79	4563	1.99	ng	# 43
19) n-Nitroso-di-n-propylamine	8.35	70	34698	13.74	ng	# 83
24) Nitrobenzene	8.35	77	572	0.18	ng	# 42
45) 1,1'-Biphenyl	11.26	154	840	0.10	ng	# 1
49) Dimethylphthalate	11.94	163	4962	0.69	ng	# 78
50) 2,6-Dinitrotoluene	12.01	165	915	0.64	ng	# 24
59) Diethylphthalate	13.10	149	636	0.08	ng	# 60
62) Azobenzene	13.58	77	656	0.09	ng	# 20
65) n-Nitrosodiphenylamine	13.58	169	3840	0.64	ng	# 39
70) Phenanthrene	14.74	178	1385	0.14	ng	# 60
71) Anthracene	14.74	178	1385	0.13	ng	# 60
73) Di-n-butylphthalate	15.69	149	2377	0.20	ng	# 79
74) Fluoranthene	16.51	202	211	0.02	ng	# 63
83) Bis(2-ethylhexyl)phthalate	18.47	149	1158	0.18	ng	# 55

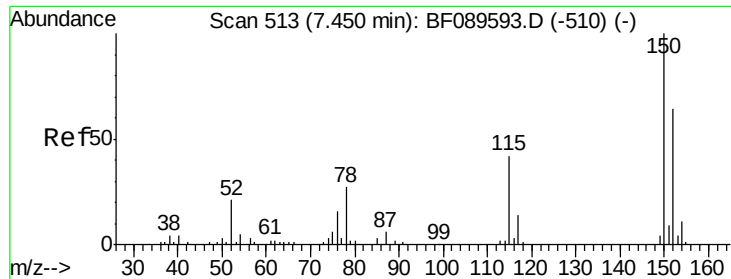
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.45 min Scan# 513

Delta R.T. 0.00 min

Lab File: BF089618.D

Acq: 5 Aug 2016 8:04

Instrument :

BNA_F

ClientSampleId :

GW-DUP-04-072816

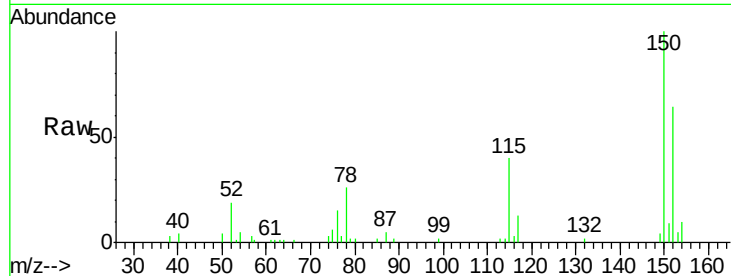
Tot Ion:152 Resp: 43186

Ion Ratio Lower Upper

152 100

150 156.8 125.5 188.3

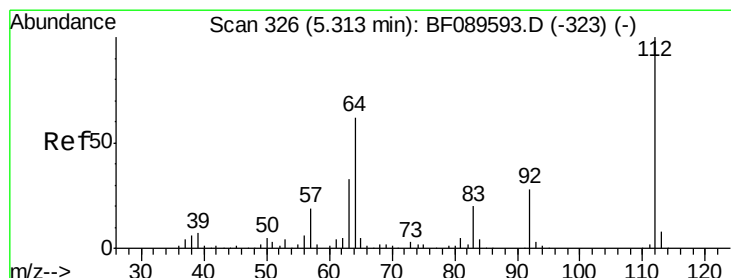
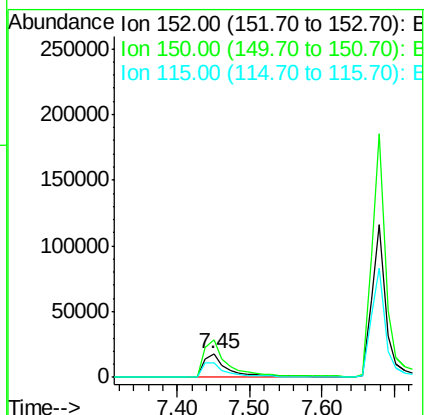
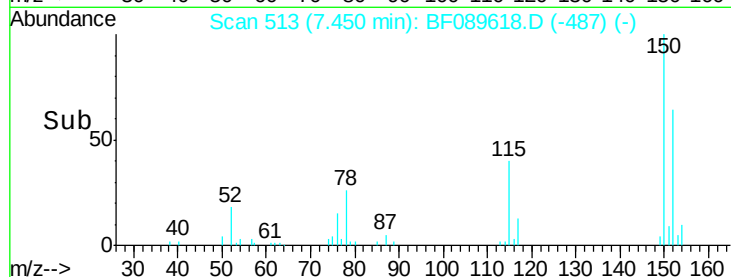
115 63.2 52.0 78.0



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: 53.86 ng

RT: 5.32 min Scan# 327

Delta R.T. 0.01 min

Lab File: BF089618.D

Acq: 5 Aug 2016 8:04

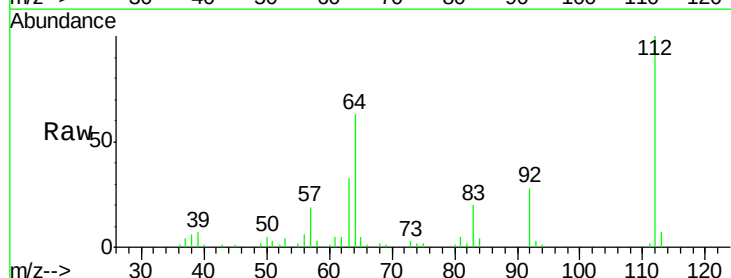
Tgt Ion:112 Resp: 138778

Ion Ratio Lower Upper

112 100

64 62.6 49.9 74.9

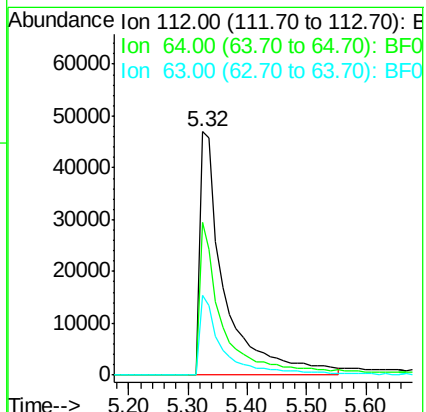
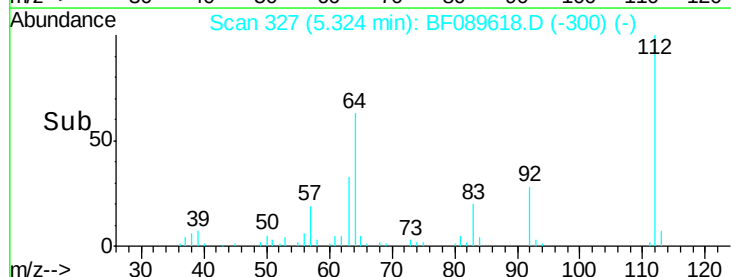
63 33.0 26.1 39.1

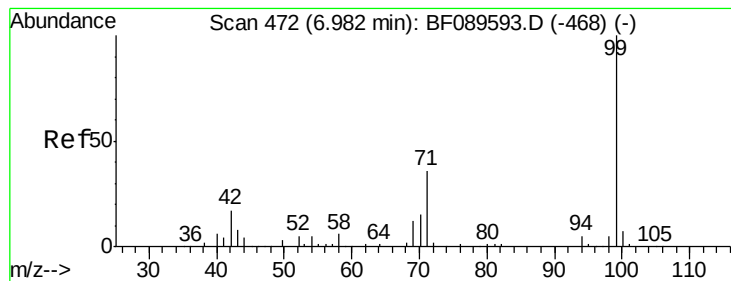


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 34.14 ng

RT: 6.98 min Scan# 472

Delta R.T. 0.00 min

Lab File: BF089618.D

Acq: 5 Aug 2016 8:04

Instrument :

BNA_F

ClientSampleId :

GW-DUP-04-072816

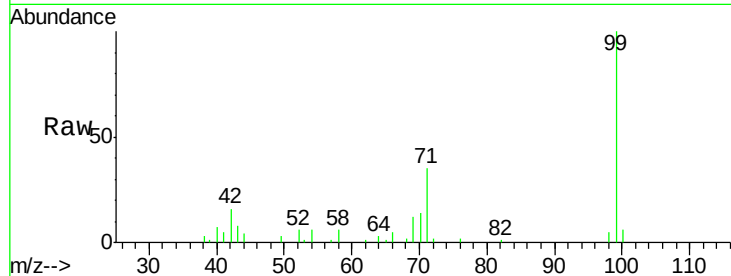
Tot Ion: 99 Resp: 119340

Ion Ratio Lower Upper

99 100

42 16.4 13.7 20.5

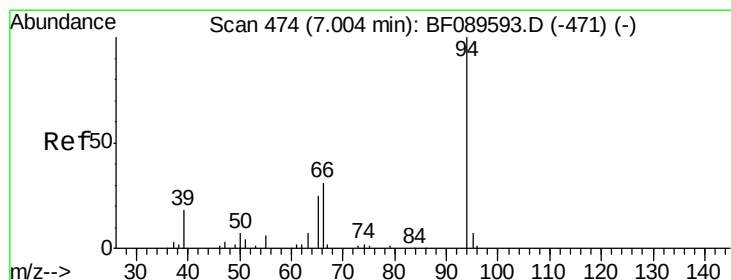
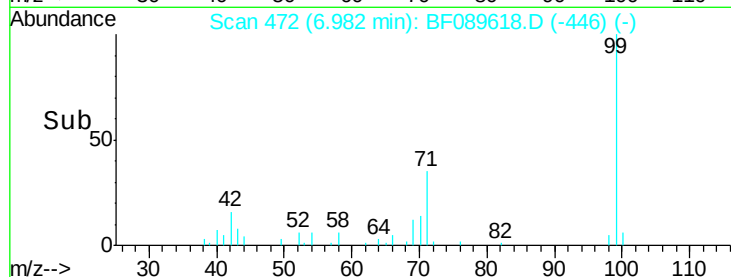
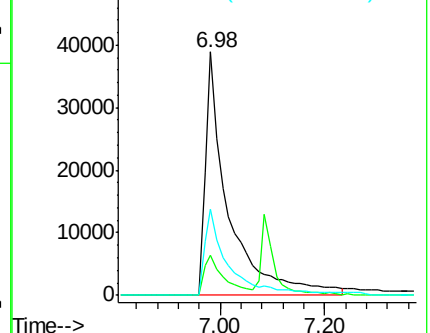
71 35.1 29.0 43.4



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: 0.16 ng

RT: 7.08 min Scan# 481

Delta R.T. 0.08 min

Lab File: BF089618.D

Acq: 5 Aug 2016 8:04

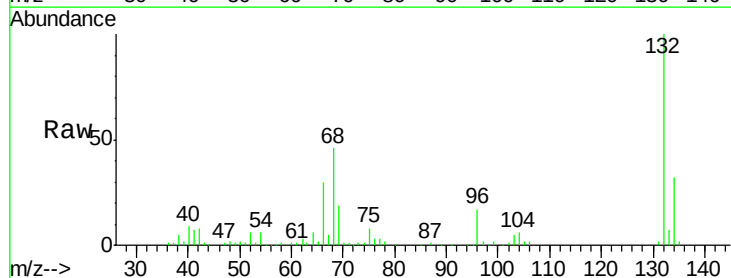
Tgt Ion: 94 Resp: 592

Ion Ratio Lower Upper

94 100

65 924.2 11.0 51.0#

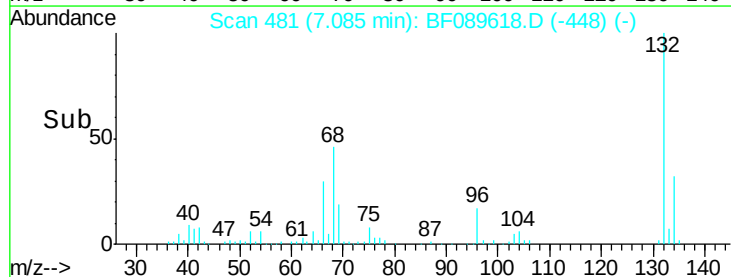
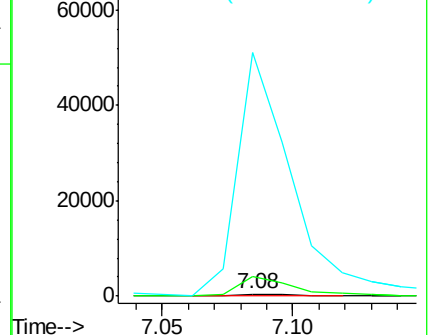
66 11767.7 27.4 67.4#

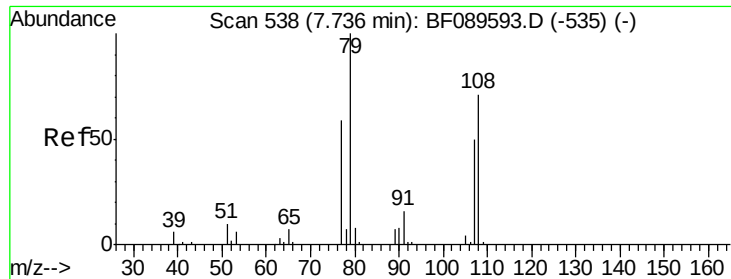


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 1.99 ng

RT: 7.68 min Scan# 533

Delta R.T. -0.06 min

Lab File: BF089618.D

Acq: 5 Aug 2016 8:04

Instrument :

BNA_F

ClientSampleId :

GW-DUP-04-072816

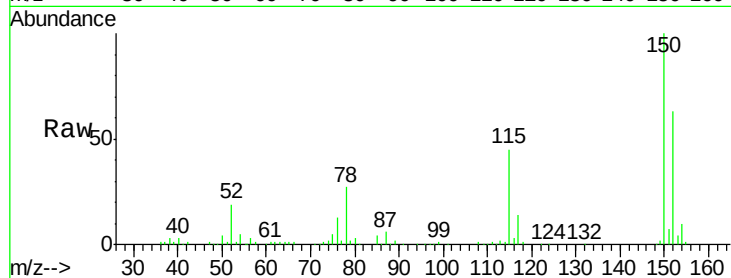
Tot Ion: 79 Resp: 4563

Ion Ratio Lower Upper

79 100

108 28.8 58.3 87.5#

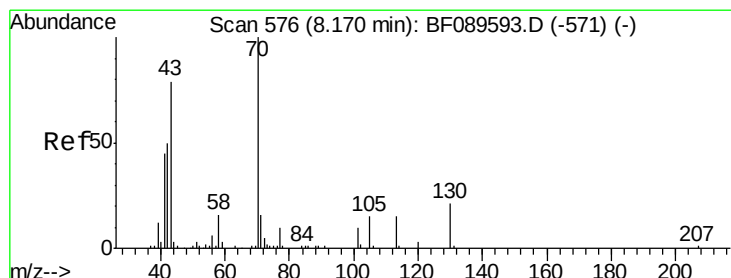
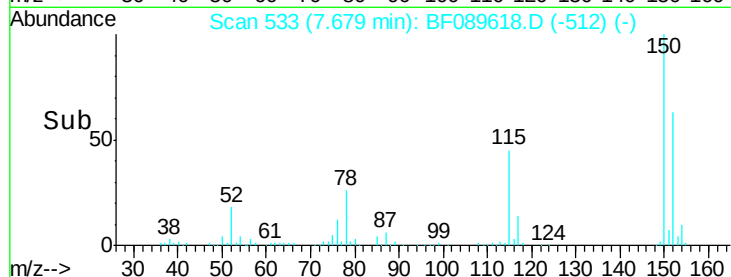
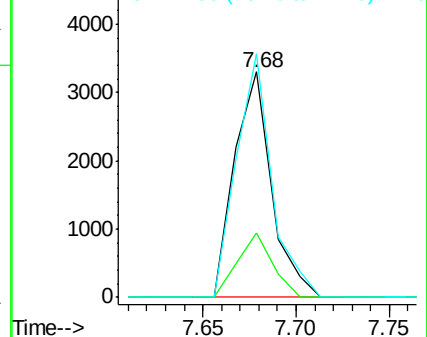
77 108.1 48.7 73.1#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 13.74 ng

RT: 8.35 min Scan# 592

Delta R.T. 0.18 min

Lab File: BF089618.D

Acq: 5 Aug 2016 8:04

Tgt Ion: 70 Resp: 34698

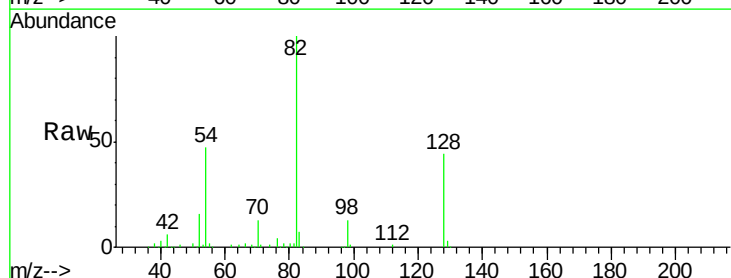
Ion Ratio Lower Upper

70 100

42 45.5 40.2 60.2

101 0.0 7.8 11.6#

130 2.2 16.4 24.6#

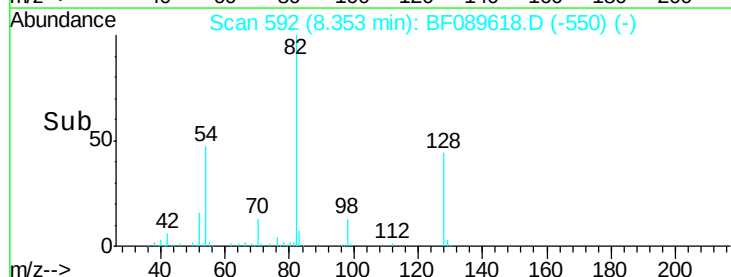
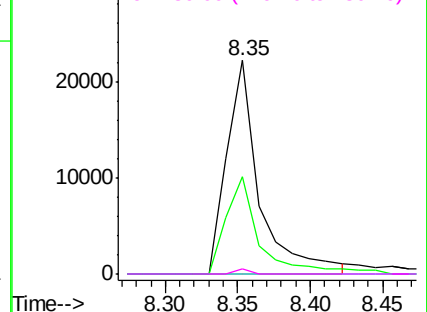


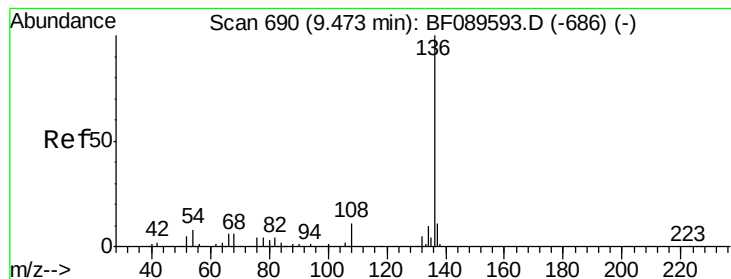
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 9.47 min Scan# 690

Delta R.T. 0.00 min

Lab File: BF089618.D

Acq: 5 Aug 2016 8:04

Instrument :

BNA_F

ClientSampleId :

GW-DUP-04-072816

Tot Ion:136 Resp: 187056

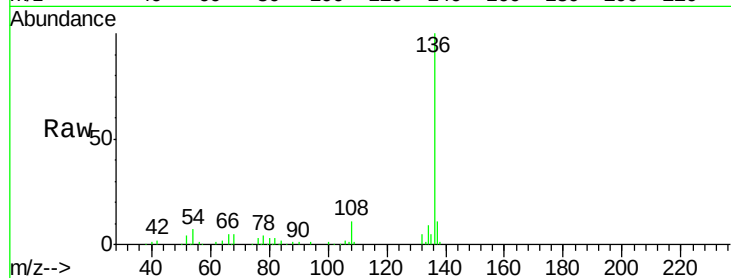
Ion Ratio Lower Upper

136 100

137 10.7 8.6 12.8

54 6.6 6.0 9.0

68 5.2 4.6 6.8

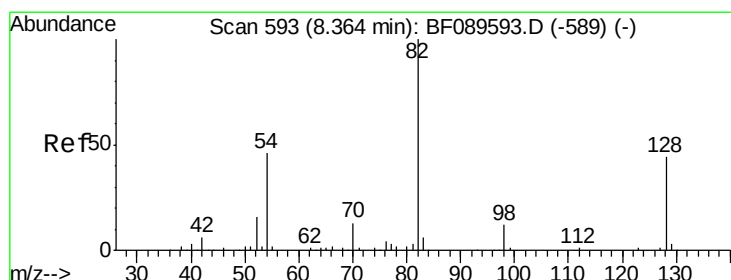
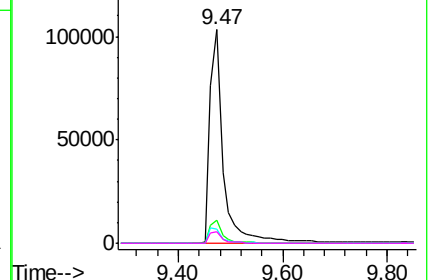
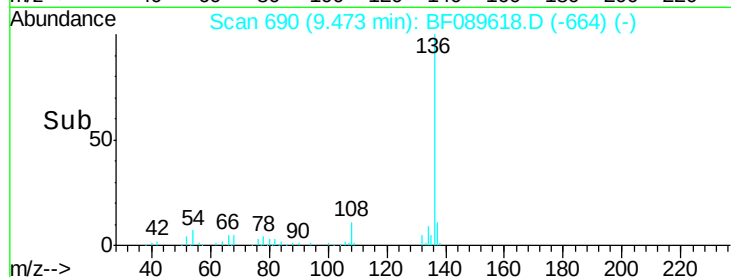


Abundance Ion 136.00 (135.70 to 136.70): E

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: 85.87 ng

RT: 8.35 min Scan# 592

Delta R.T. -0.01 min

Lab File: BF089618.D

Acq: 5 Aug 2016 8:04

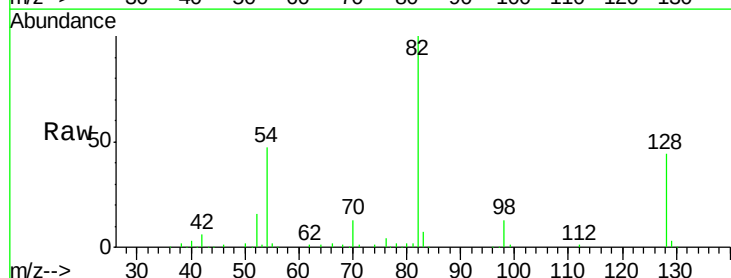
Tgt Ion: 82 Resp: 290403

Ion Ratio Lower Upper

82 100

128 43.8 35.4 53.0

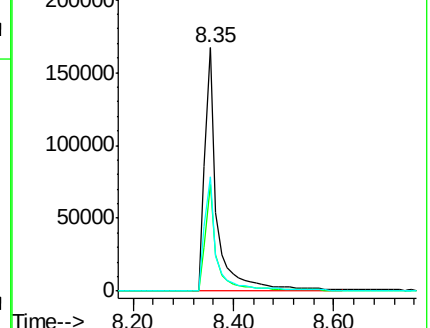
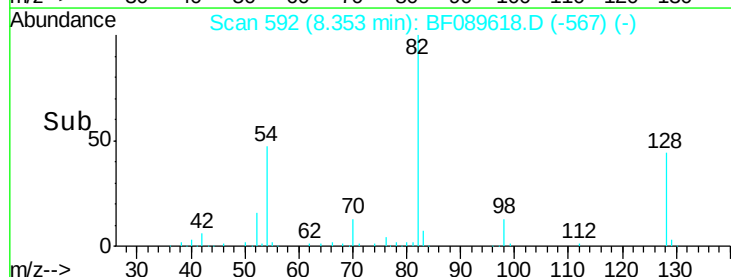
54 47.0 36.4 54.6

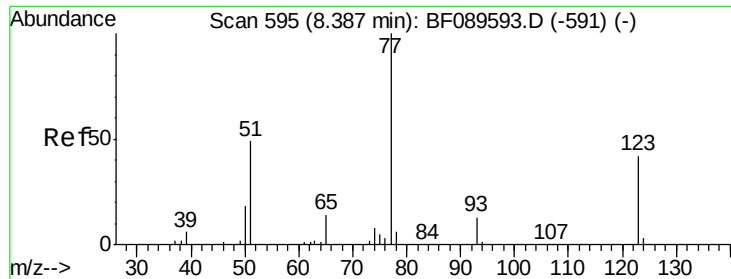


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

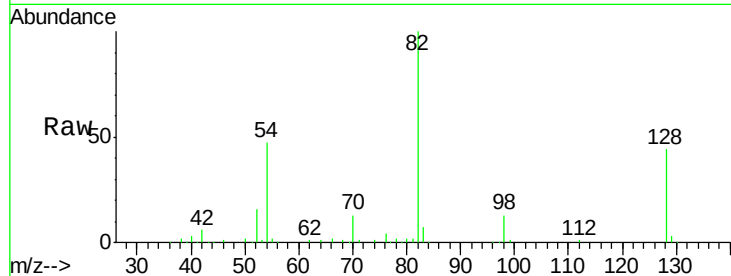




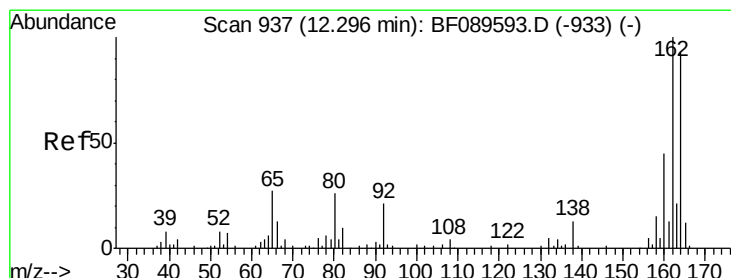
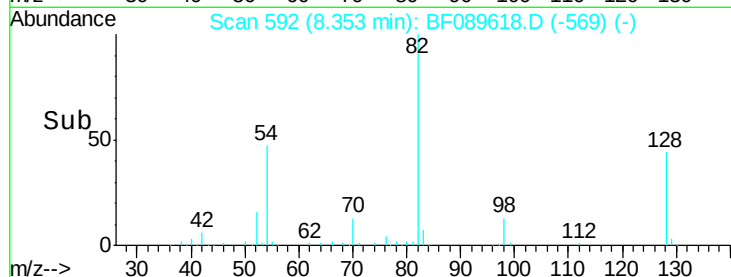
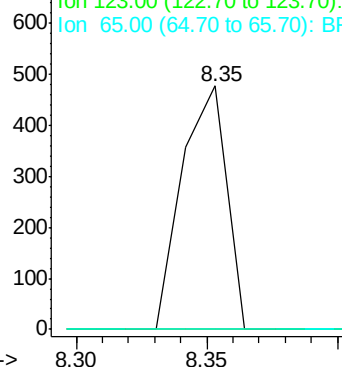
#24
 Nitrobenzene
 Concen: 0.18 ng
 RT: 8.35 min Scan# 592
 Delta R.T. -0.03 min
 Lab File: BF089618.D
 Acq: 5 Aug 2016 8:04

Instrument :
 BNA_F
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 GW-DUP-04-072816

Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	32.6	49.0#
65	0.0	11.0	16.6#

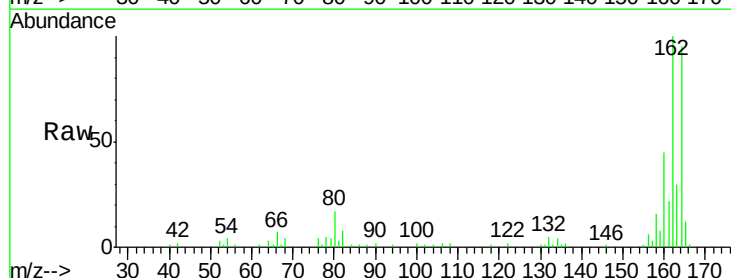


Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): E
 Ion 65.00 (64.70 to 65.70): BF0

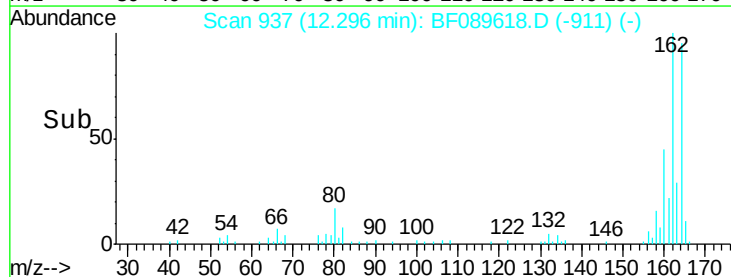
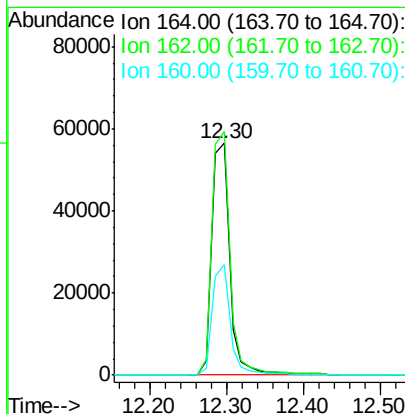


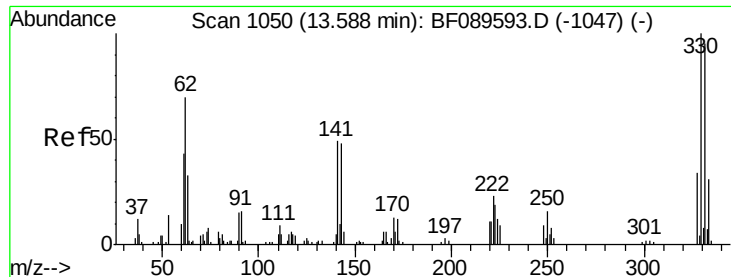
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.30 min Scan# 937
 Delta R.T. 0.00 min
 Lab File: BF089618.D
 Acq: 5 Aug 2016 8:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.1	85.7	128.5
160	47.6	38.2	57.4



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

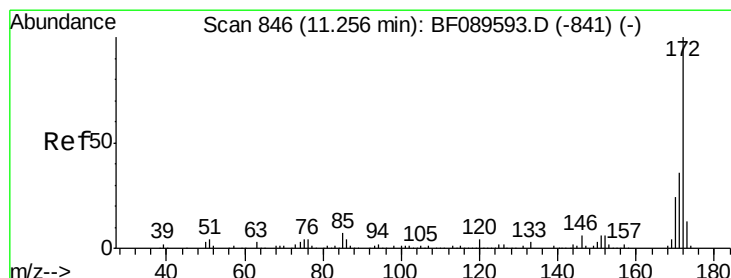
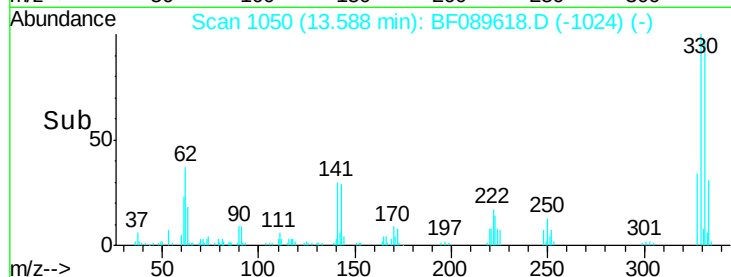
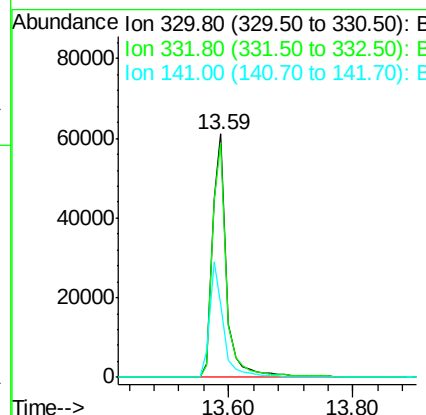
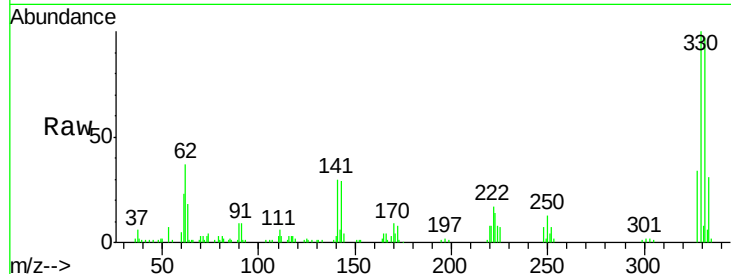




#41
 2,4,6-Tribromophenol
 Concen: 125.84 ng
 RT: 13.59 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: BF089618.D
 Acq: 5 Aug 2016 8:04

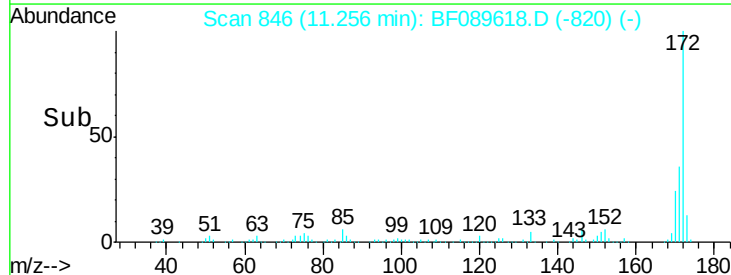
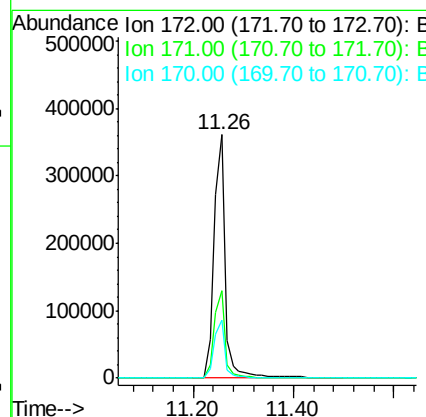
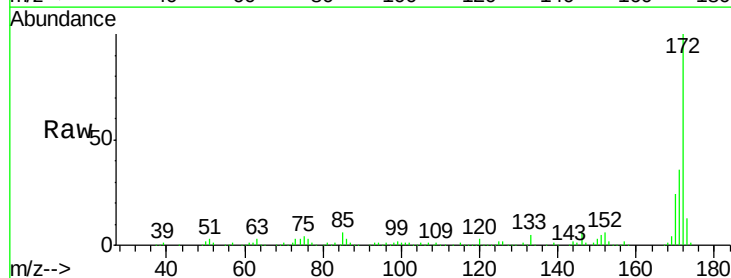
Instrument :
 BNA_F
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 GW-DUP-04-072816

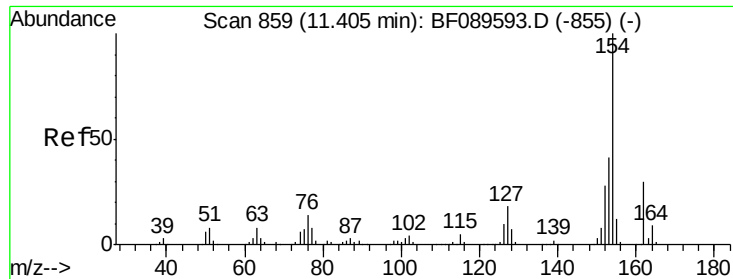
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.0	115.6
141	46.4	38.6	57.8



#44
 2-Fluorobiphenyl
 Concen: 79.17 ng
 RT: 11.26 min Scan# 846
 Delta R.T. 0.00 min
 Lab File: BF089618.D
 Acq: 5 Aug 2016 8:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.9	43.3
170	23.7	19.0	28.6





#45

1,1'-Biphenyl

Concen: 0.10 ng

RT: 11.26 min Scan# 846

Delta R.T. -0.15 min

Lab File: BF089618.D

Acq: 5 Aug 2016 8:04

Instrument :

BNA_F

ClientSampleId :

GW-DUP-04-072816

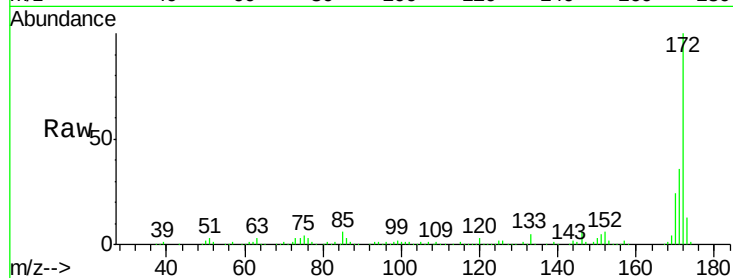
Tot Ion:154 Resp: 840

Ion Ratio Lower Upper

154 100

153 949.8 20.6 60.6#

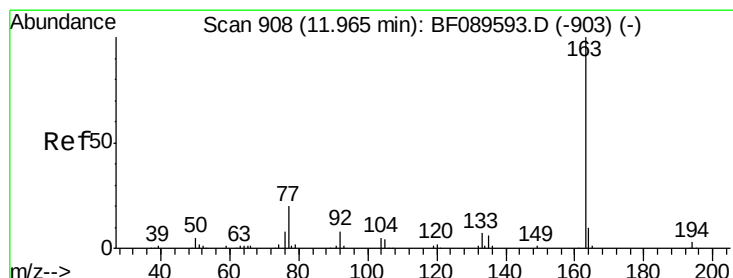
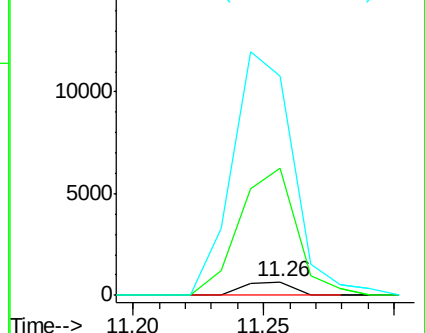
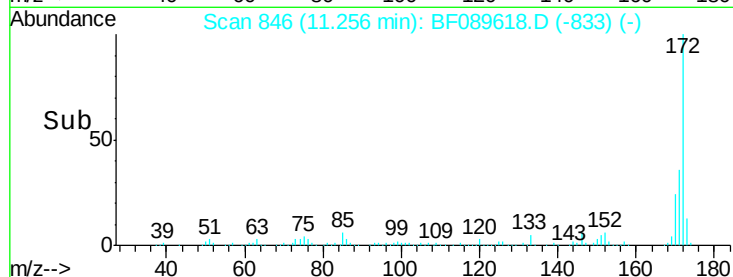
76 1641.8 0.0 33.7#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#49

Dimethylphthalate

Concen: 0.69 ng

RT: 11.94 min Scan# 906

Delta R.T. -0.02 min

Lab File: BF089618.D

Acq: 5 Aug 2016 8:04

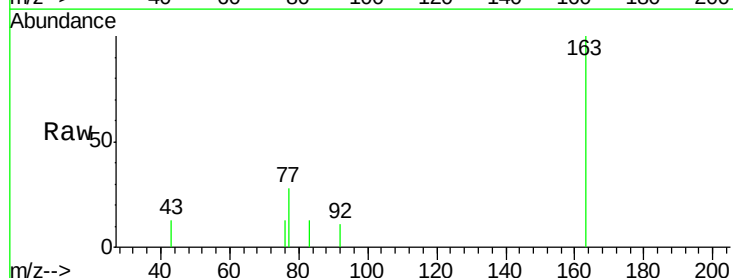
Tgt Ion:163 Resp: 4962

Ion Ratio Lower Upper

163 100

194 0.0 2.7 4.1#

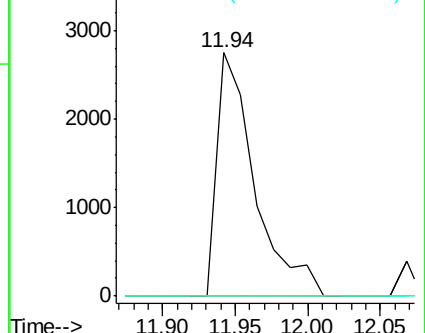
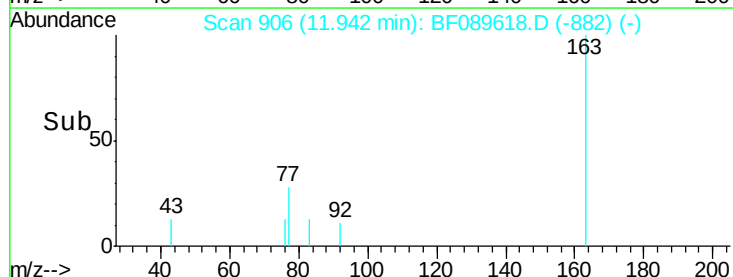
164 0.0 7.8 11.6#

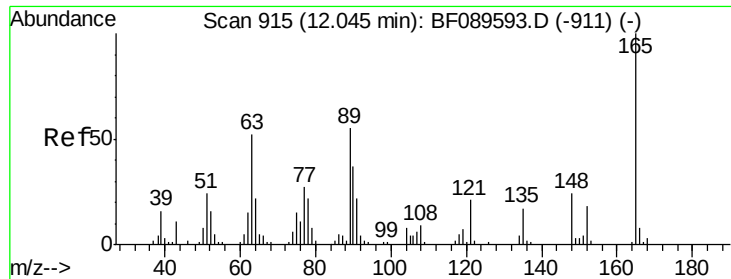


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

2,6-Dinitrotoluene

Concen: 0.64 ng

RT: 12.01 min Scan# 912

Delta R.T. -0.03 min

Lab File: BF089618.D

Acq: 5 Aug 2016 8:04

Instrument :

BNA_F

ClientSampleId :

GW-DUP-04-072816

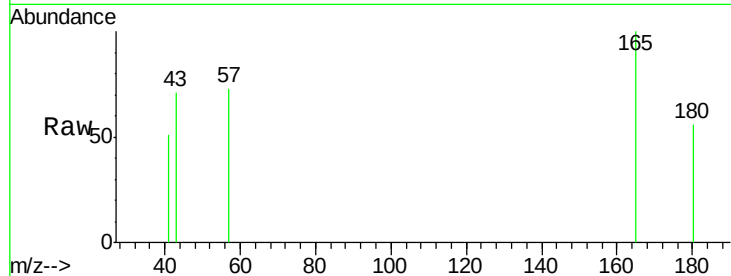
Tot Ion:165 Resp: 915

Ion Ratio Lower Upper

165 100

63 0.0 44.6 67.0#

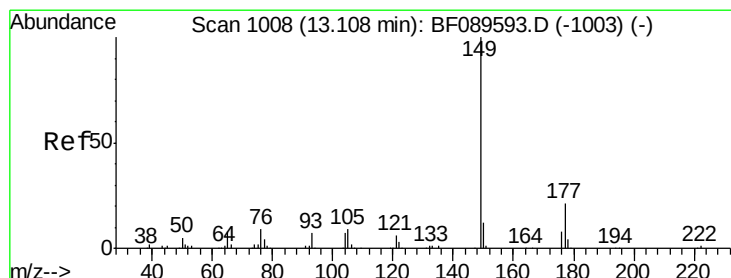
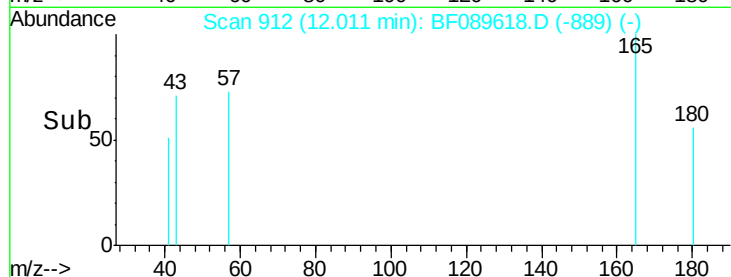
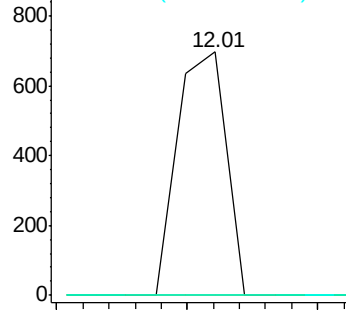
89 0.0 44.2 66.2#



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



#59

Diethylphthalate

Concen: 0.08 ng

RT: 13.10 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF089618.D

Acq: 5 Aug 2016 8:04

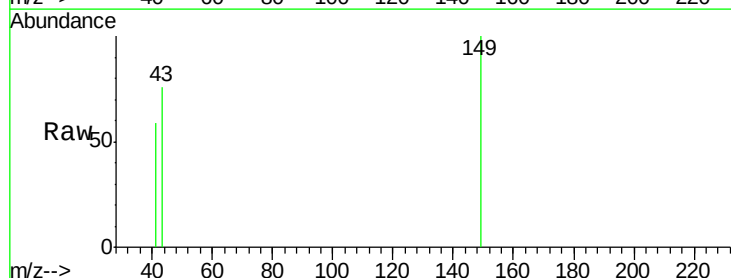
Tgt Ion:149 Resp: 636

Ion Ratio Lower Upper

149 100

177 0.0 16.8 25.2#

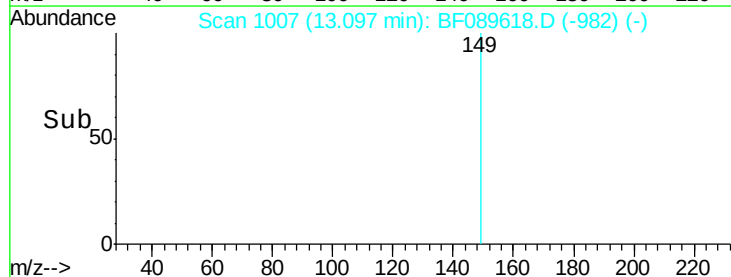
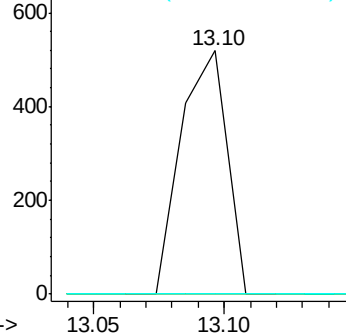
150 0.0 9.6 14.4#

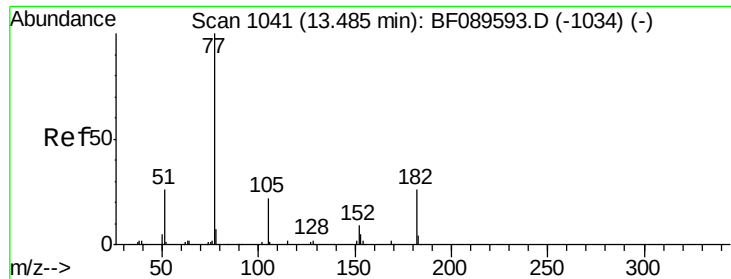


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#62

Azobenzene

Concen: 0.09 ng

RT: 13.58 min Scan# 1049

Delta R.T. 0.09 min

Lab File: BF089618.D

Acq: 5 Aug 2016 8:04

Instrument :

BNA_F

ClientSampleId :

GW-DUP-04-072816

Tot Ion: 77 Resp: 656

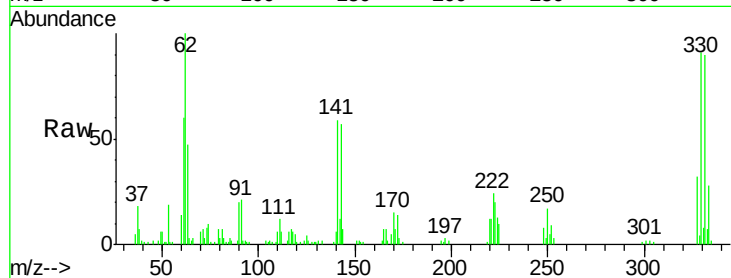
Ion Ratio Lower Upper

77 100

182 0.0 5.8 45.8#

105 77.7 2.9 42.9#

51 69.2 7.2 47.2#

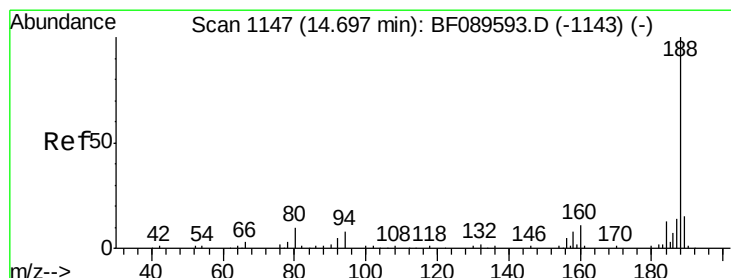
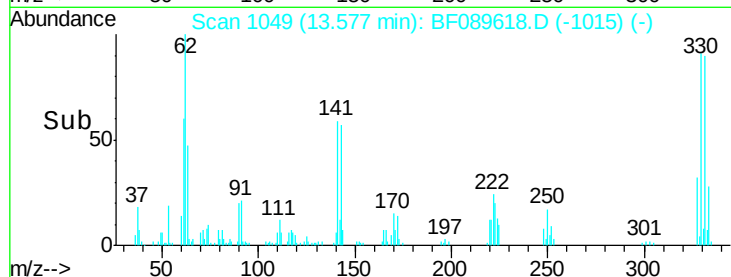
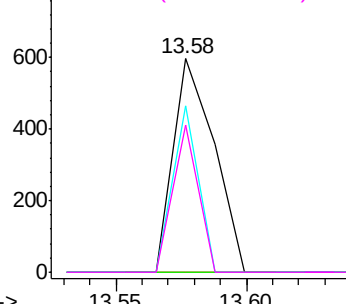


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.69 min Scan# 1146

Delta R.T. -0.01 min

Lab File: BF089618.D

Acq: 5 Aug 2016 8:04

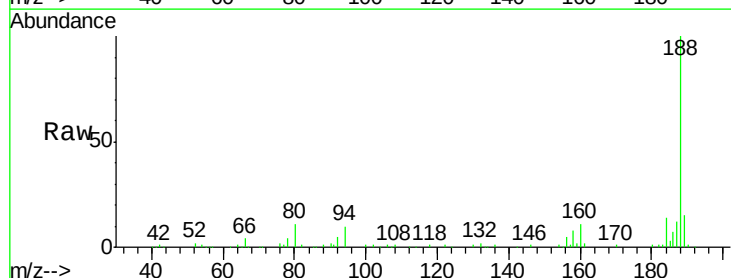
Tgt Ion: 188 Resp: 178851

Ion Ratio Lower Upper

188 100

94 9.5 6.5 9.7

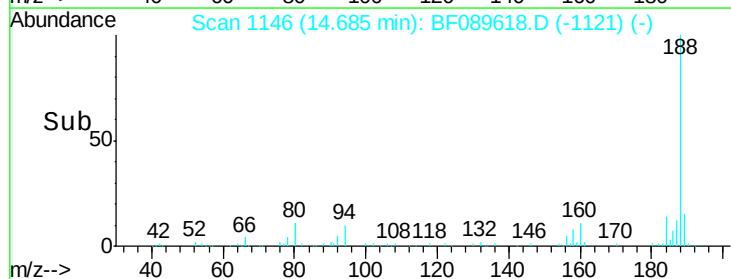
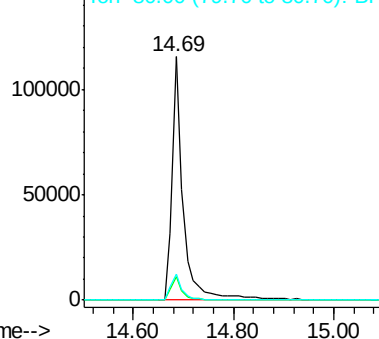
80 10.9 8.0 12.0

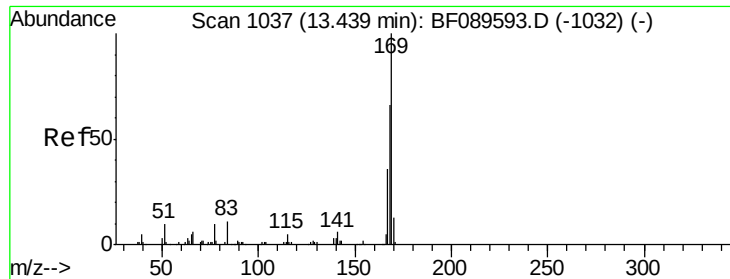


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

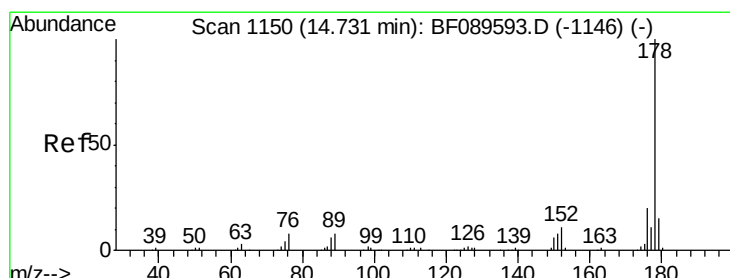
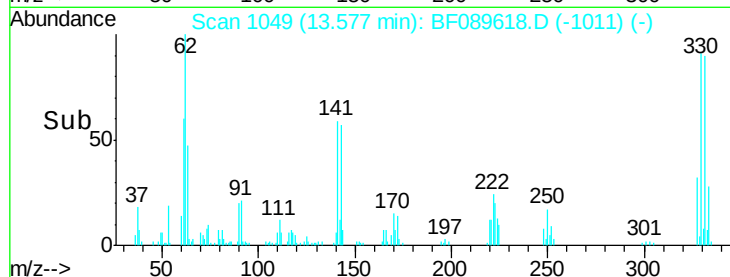
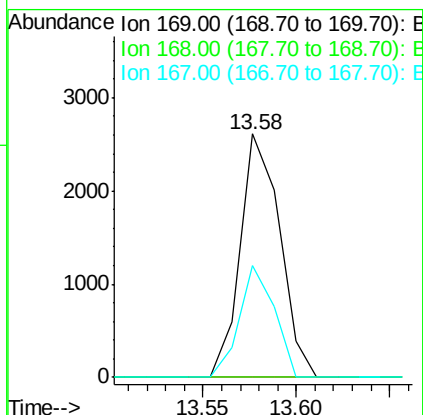
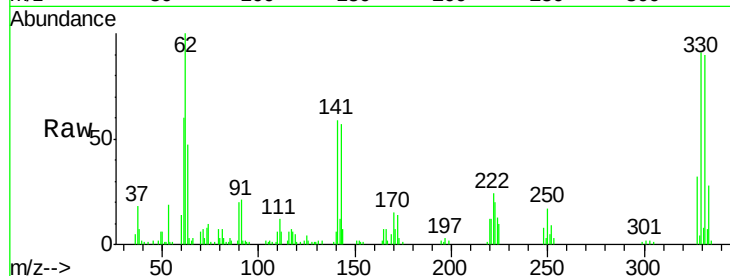




#65
n-Nitrosodiphenylamine
Concen: 0.64 ng
RT: 13.58 min Scan# 1049
Delta R.T. 0.14 min
Lab File: BF089618.D
Acq: 5 Aug 2016 8:04

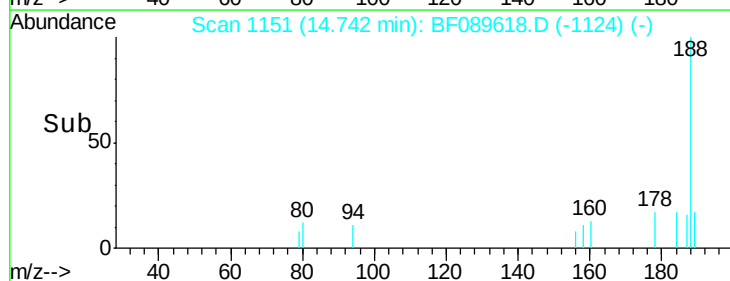
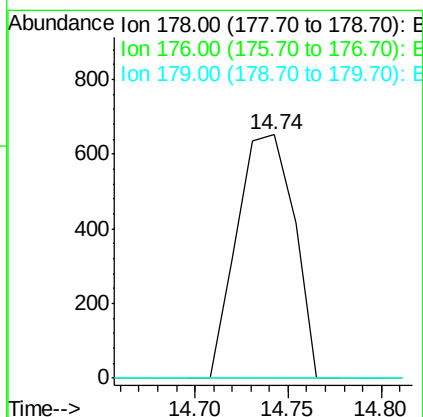
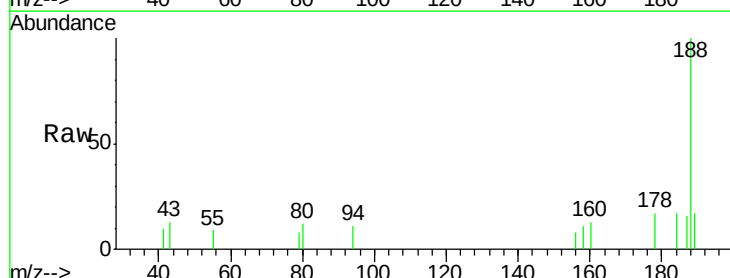
Instrument :
BNA_F
ClientSampleId :
GW-DUP-04-072816

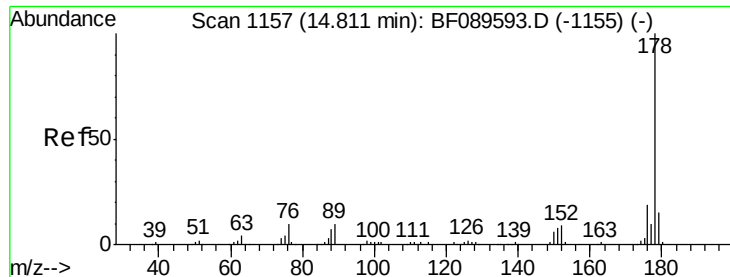
Tot Ion:169 Resp: 3840
Ion Ratio Lower Upper
169 100
168 0.0 54.2 81.2#
167 45.9 28.9 43.3#



#70
Phenanthrene
Concen: 0.14 ng
RT: 14.74 min Scan# 1151
Delta R.T. 0.01 min
Lab File: BF089618.D
Acq: 5 Aug 2016 8:04

Tgt Ion:178 Resp: 1385
Ion Ratio Lower Upper
178 100
176 0.0 15.7 23.5#
179 0.0 12.2 18.2#





#71

Anthracene

Concen: 0.13 ng

RT: 14.74 min Scan# 1151

Delta R.T. -0.07 min

Lab File: BF089618.D

Acq: 5 Aug 2016 8:04

Instrument :

BNA_F

ClientSampleId :

GW-DUP-04-072816

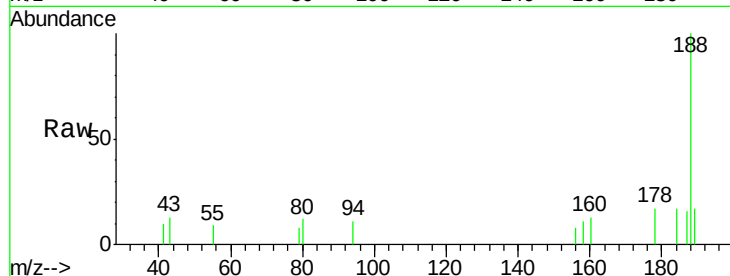
Tot Ion:178 Resp: 1385

Ion Ratio Lower Upper

178 100

176 0.0 15.0 22.4#

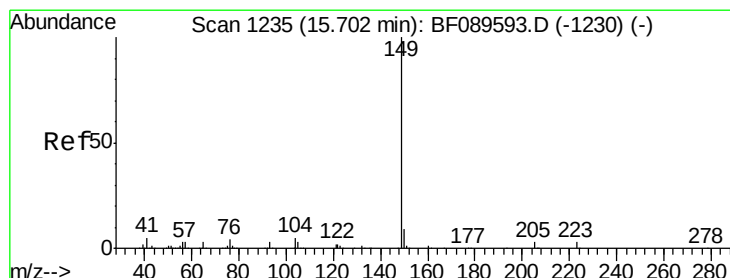
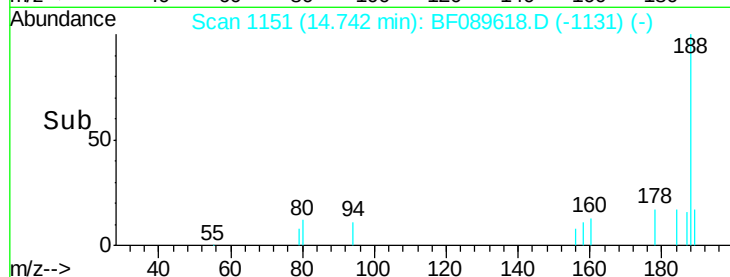
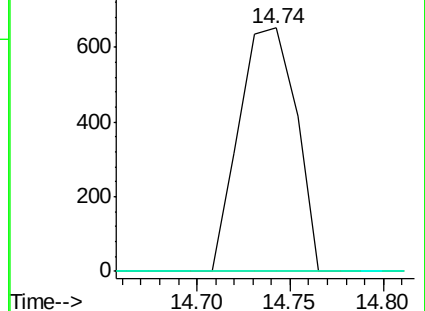
179 0.0 12.4 18.6#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Di-n-butylphthalate

Concen: 0.20 ng

RT: 15.69 min Scan# 1234

Delta R.T. -0.01 min

Lab File: BF089618.D

Acq: 5 Aug 2016 8:04

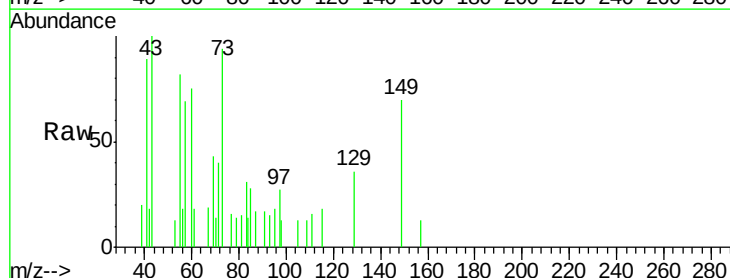
Tgt Ion:149 Resp: 2377

Ion Ratio Lower Upper

149 100

150 0.0 7.2 10.8#

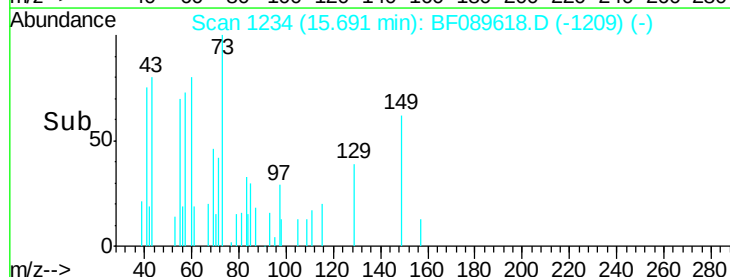
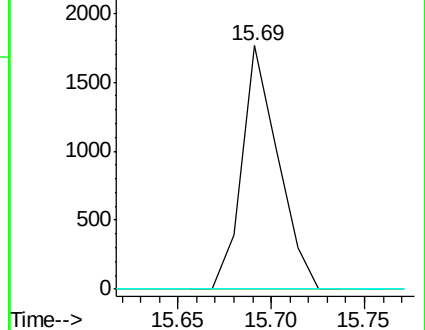
104 0.0 3.8 5.8#

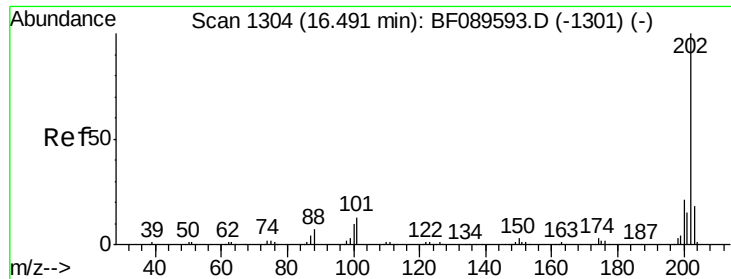


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

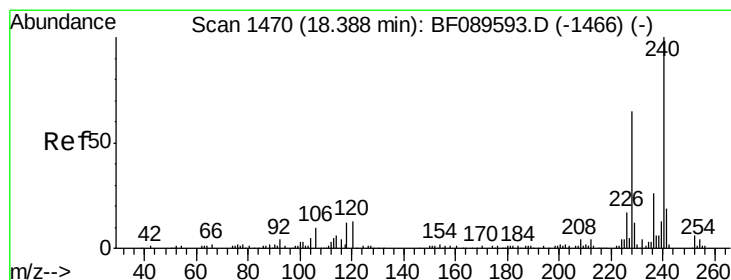
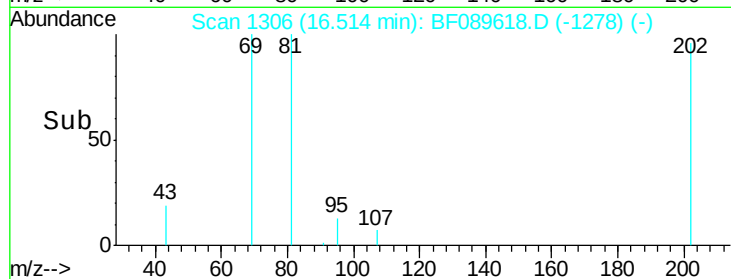
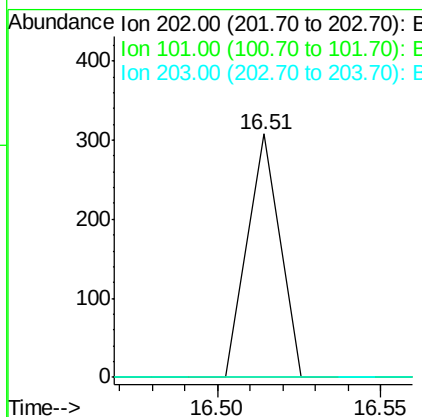
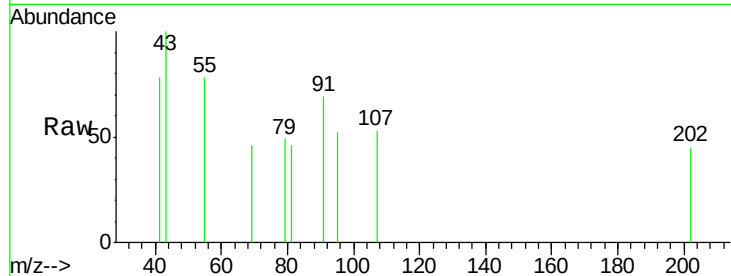




#74
Fluoranthene
Concen: 0.02 ng
RT: 16.51 min Scan# 1306
Delta R.T. 0.02 min
Lab File: BF089618.D
Acq: 5 Aug 2016 8:04

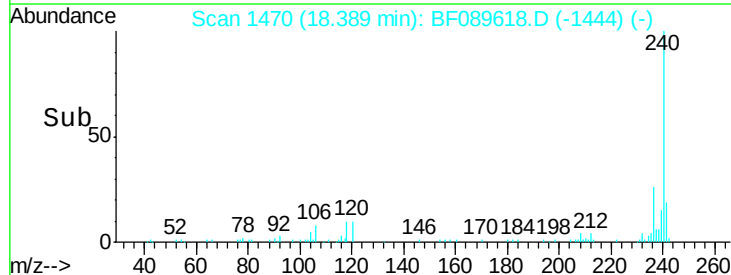
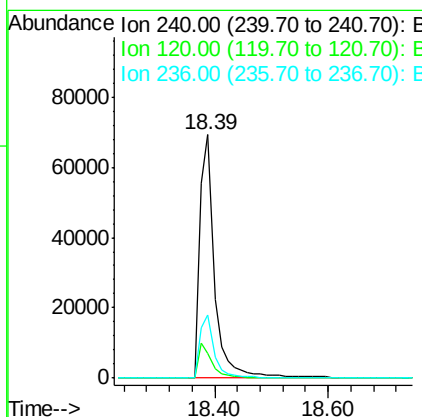
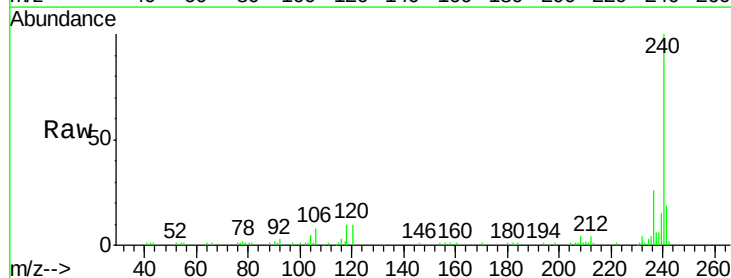
Instrument :
BNA_F
ClientSampleId :
GW-DUP-04-072816

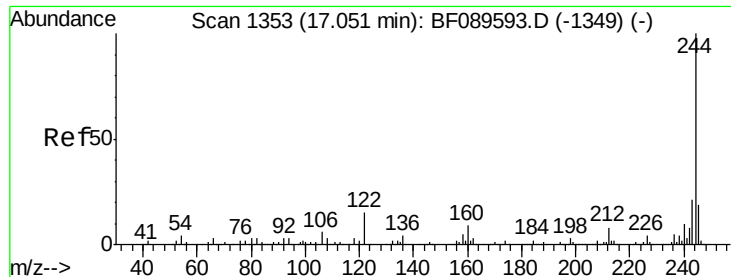
Tot Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	32.7
203	0.0	0.0	37.8



#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.39 min Scan# 1470
Delta R.T. 0.00 min
Lab File: BF089618.D
Acq: 5 Aug 2016 8:04

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.3	10.6	15.8#
236	26.0	20.6	30.8





#78

Terphenyl-d14

Concen: 78.89 ng

RT: 17.05 min Scan# 1353

Delta R.T. 0.00 min

Lab File: BF089618.D

Acq: 5 Aug 2016 8:04

Instrument :

BNA_F

ClientSampleId :

GW-DUP-04-072816

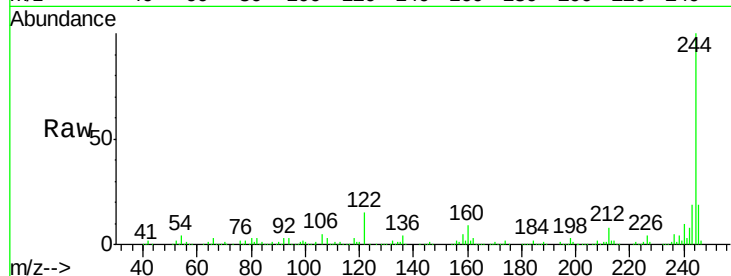
Tot Ion:244 Resp: 480259

Ion Ratio Lower Upper

244 100

212 8.2 6.4 9.6

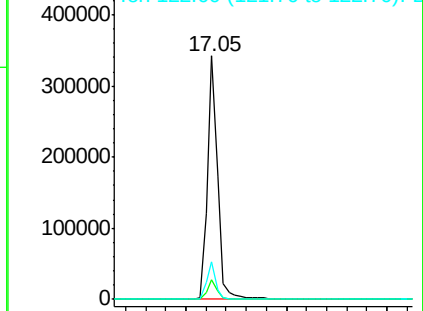
122 15.2 12.2 18.2



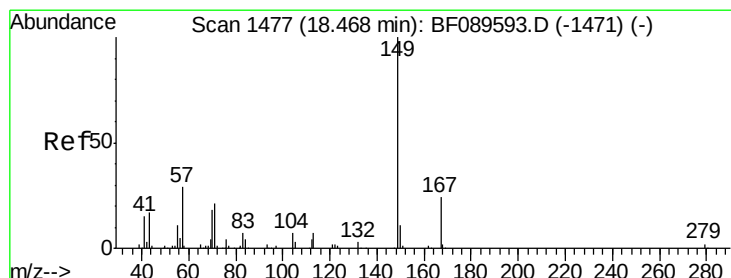
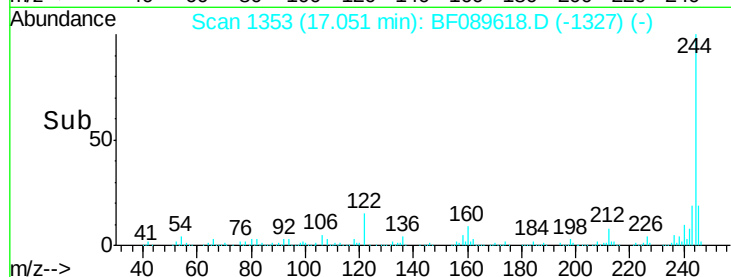
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.18 ng

RT: 18.47 min Scan# 1477

Delta R.T. 0.00 min

Lab File: BF089618.D

Acq: 5 Aug 2016 8:04

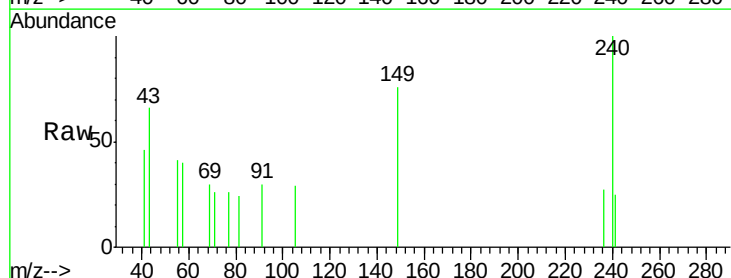
Tgt Ion:149 Resp: 1158

Ion Ratio Lower Upper

149 100

167 0.0 19.0 28.4#

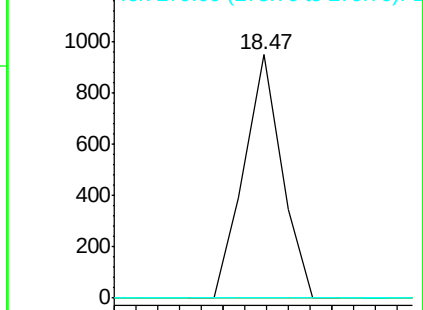
279 0.0 1.8 2.6#



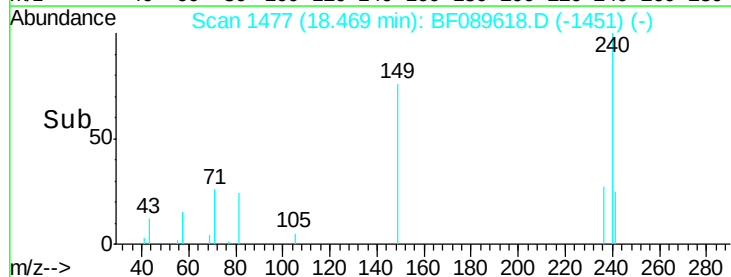
Abundance Ion 149.00 (148.70 to 149.70): E

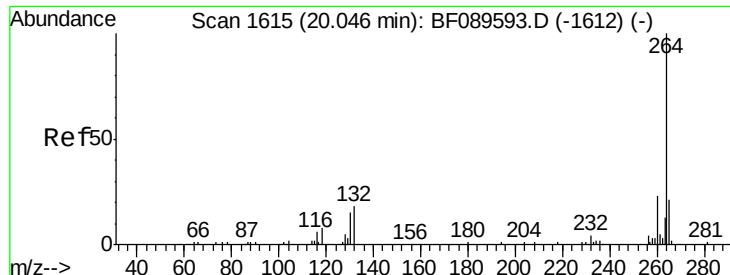
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->

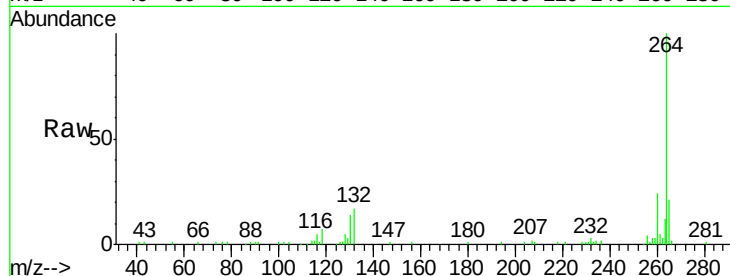




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 20.05 min Scan# 1615
 Delta R.T. 0.00 min
 Lab File: BF089618.D
 Acq: 5 Aug 2016 8:04

Instrument :
 BNA_F
 ClientSampleId :
 GW-DUP-04-072816

Tot Ion: 264 Resp: 88042
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.7 28.1
 265 21.3 16.5 24.7



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

