

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080416\
 Data File : BF089619.D
 Acq On : 5 Aug 2016 8:38
 Operator : UM/SJ
 Sample : H4288-25
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GW-66-6.5-15.0

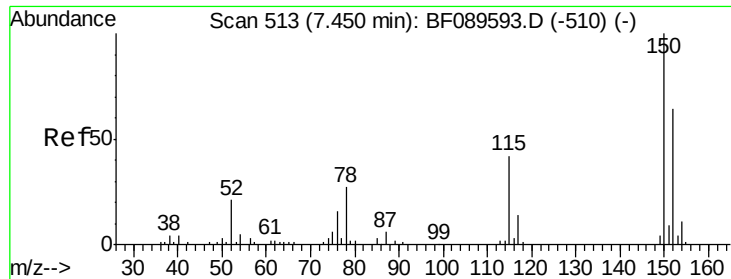
Quant Time: Aug 05 13:39:21 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 01:39:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	44294	20.00	ng	0.00
21) Naphthalene-d8	9.47	136	190708	20.00	ng	0.00
38) Acenaphthene-d10	12.30	164	92765	20.00	ng	0.00
63) Phenanthrene-d10	14.69	188	177003	20.00	ng	-0.01
75) Chrysene-d12	18.39	240	118855	20.00	ng	0.00
86) Perylene-d12	20.05	264	85949	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	172362	65.22	ng	0.02
7) Phenol-d6	6.98	99	161424	45.03	ng	0.00
23) Nitrobenzene-d5	8.35	82	302307	87.68	ng	-0.01
41) 2,4,6-Tribromophenol	13.59	330	100358	131.10	ng	0.00
44) 2-Fluorobiphenyl	11.26	172	587514	82.31	ng	0.00
78) Terphenyl-d14	17.05	244	482794	80.19	ng	0.00

Target Compounds						Qvalue
6) Aniline	7.08	93	220	0.05	ng	# 1
10) Phenol	7.02	94	511	0.14	ng	# 1
11) bis(2-Chloroethyl)ether	7.08	93	220	0.07	ng	# 1
15) Benzyl Alcohol	7.68	79	4744	2.02	ng	# 47
19) n-Nitroso-di-n-propylamine	8.35	70	36257	14.00	ng	# 81
22) Acetophenone	8.10	105	450	0.10	ng	# 55
24) Nitrobenzene	8.35	77	415	0.13	ng	# 42
31) Naphthalene	9.52	128	2488	0.25	ng	# 68
45) 1,1'-Biphenyl	11.26	154	897	0.11	ng	# 1
49) Dimethylphthalate	11.95	163	2405	0.33	ng	# 78
59) Diethylphthalate	13.10	149	252	0.03	ng	# 60
62) Azobenzene	13.58	77	968	0.13	ng	# 12
65) n-Nitrosodiphenylamine	13.58	169	4131	0.69	ng	# 42
73) Di-n-butylphthalate	15.69	149	2139	0.18	ng	# 79
79) Butylbenzylphthalate	17.76	149	459	0.10	ng	# 1
83) Bis(2-ethylhexyl)phthalate	18.47	149	2990	0.48	ng	# 85
84) Di-n-octyl phthalate	19.29	149	1226	0.14	ng	# 79

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.45 min Scan# 513

Delta R.T. 0.00 min

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Instrument :

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GW-66-6.5-15.0

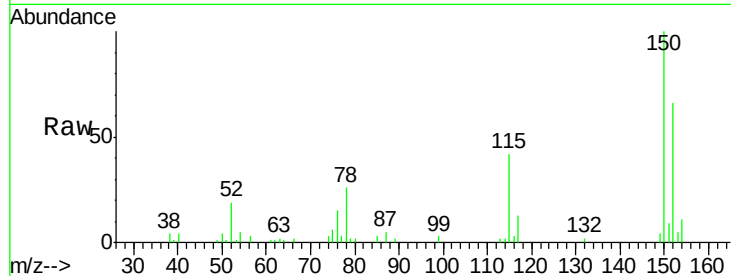
Tot Ion:152 Resp: 44294

Ion Ratio Lower Upper

152 100

150 151.9 125.5 188.3

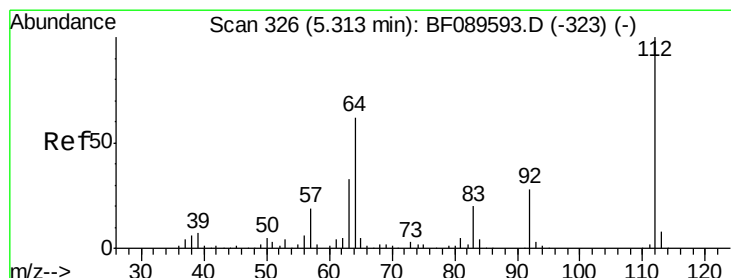
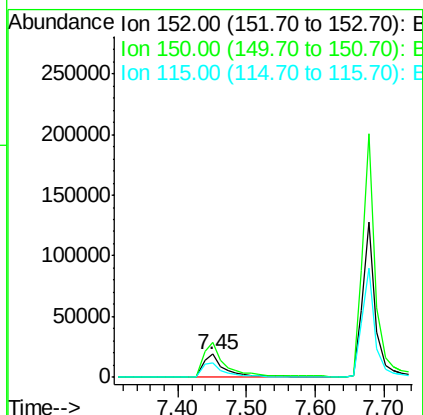
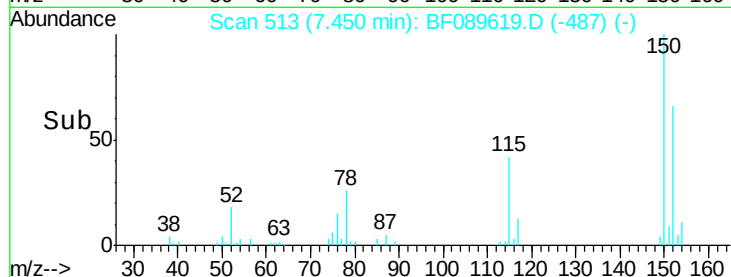
115 63.7 52.0 78.0



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: 65.22 ng

RT: 5.34 min Scan# 328

Delta R.T. 0.02 min

Lab File: BF089619.D

Acq: 5 Aug 2016 8:38

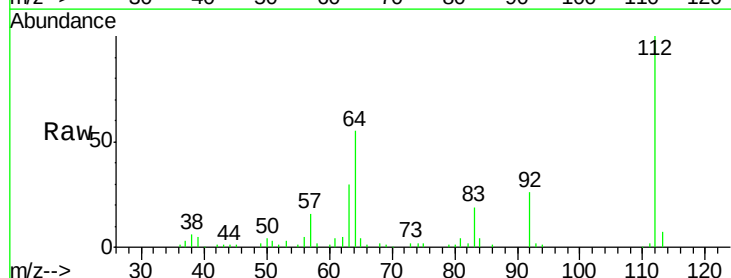
Tgt Ion:112 Resp: 172362

Ion Ratio Lower Upper

112 100

64 55.1 49.9 74.9

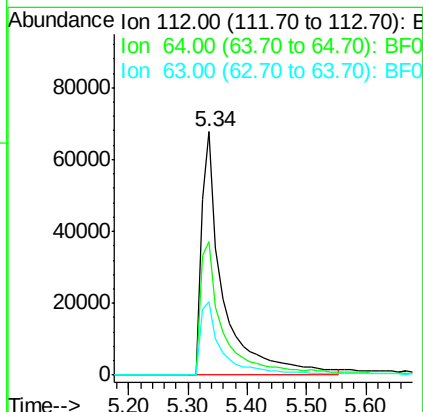
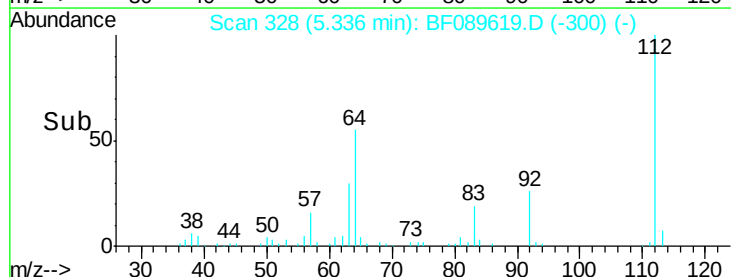
63 30.1 26.1 39.1

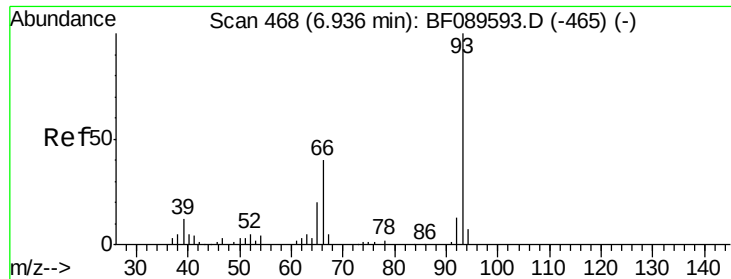


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 0.05 ng

RT: 7.08 min Scan# 481

Delta R.T. 0.15 min

Lab File: BF089619.D

Acq: 5 Aug 2016 8:38

Instrument :

BNA_F

ClientSampleId :

GW-66-6.5-15.0

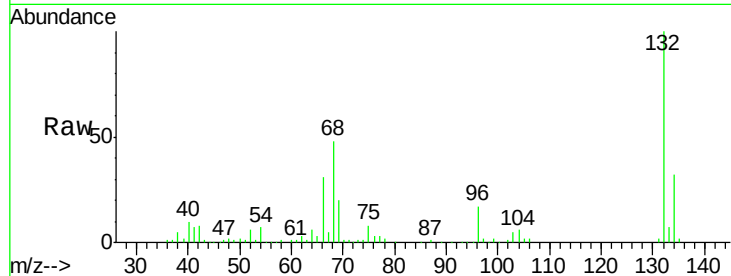
Tot Ion: 93 Resp: 220

Ion Ratio Lower Upper

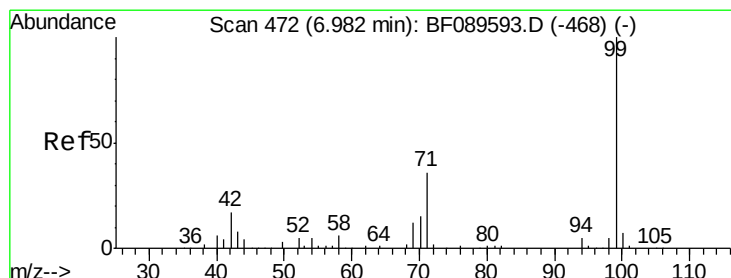
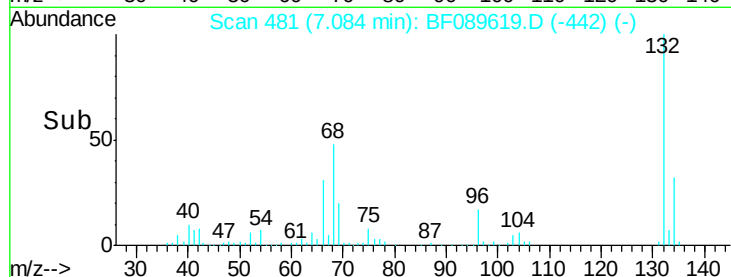
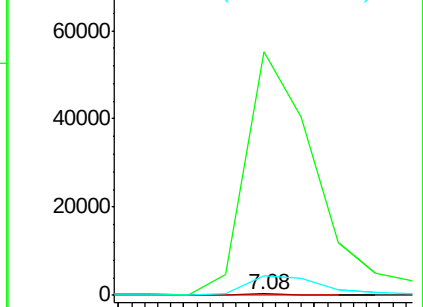
93 100

66 17196.3 32.2 48.2#

65 1417.4 15.8 23.8#



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 66.00 (65.70 to 66.70): BF0
Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 45.03 ng

RT: 6.98 min Scan# 472

Delta R.T. 0.00 min

Lab File: BF089619.D

Acq: 5 Aug 2016 8:38

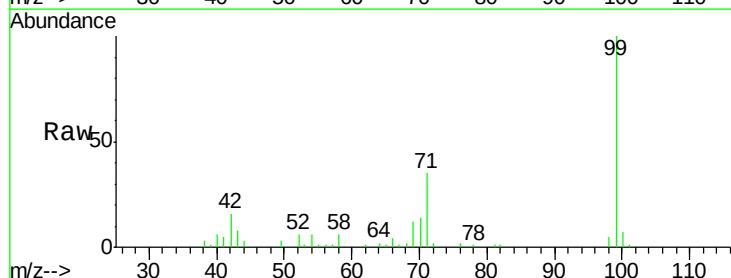
Tgt Ion: 99 Resp: 161424

Ion Ratio Lower Upper

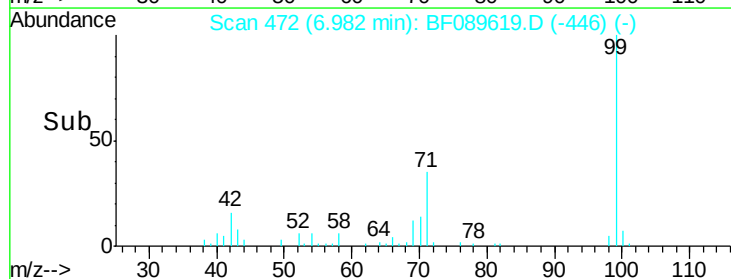
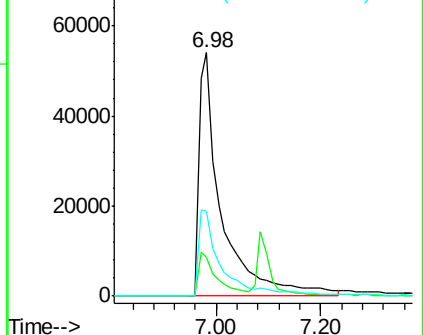
99 100

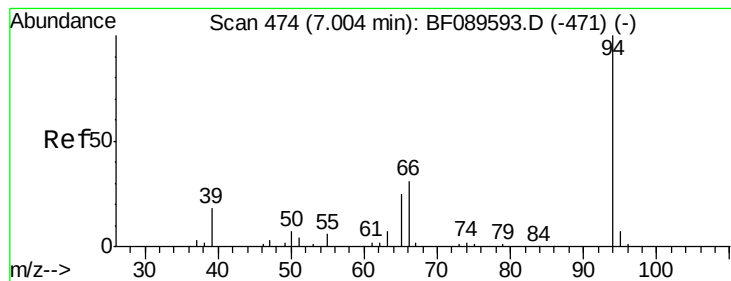
42 15.9 13.7 20.5

71 34.8 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: 0.14 ng

RT: 7.02 min Scan# 475

Delta R.T. 0.01 min

Lab File: BF089619.D

Acq: 5 Aug 2016 8:38

Instrument :

BNA_F

ClientSampleId :

GW-66-6.5-15.0

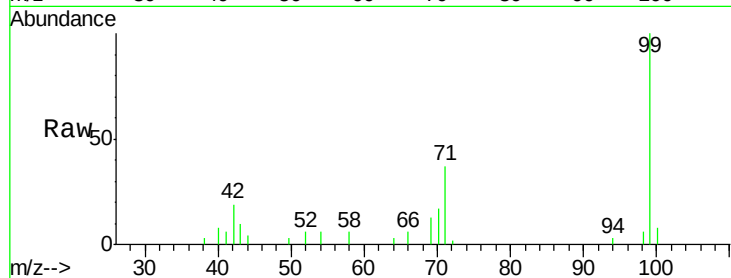
Tot Ion: 94 Resp: 511

Ion Ratio Lower Upper

94 100

65 0.0 11.0 51.0#

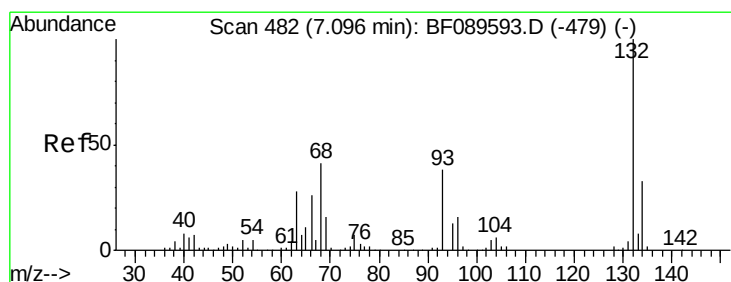
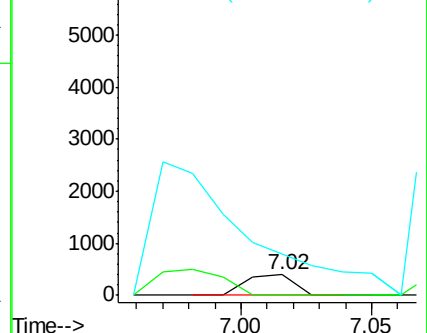
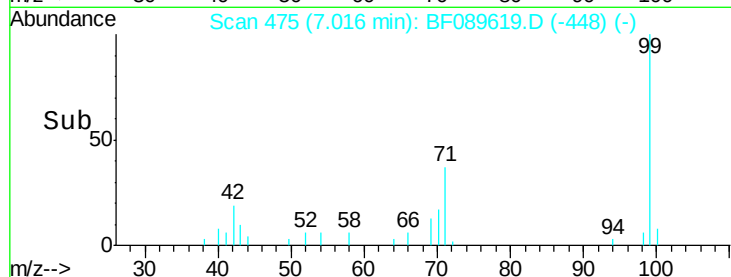
66 201.0 27.4 67.4#



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



#11

bis(2-Chloroethyl)ether

Concen: 0.07 ng

RT: 7.08 min Scan# 481

Delta R.T. -0.01 min

Lab File: BF089619.D

Acq: 5 Aug 2016 8:38

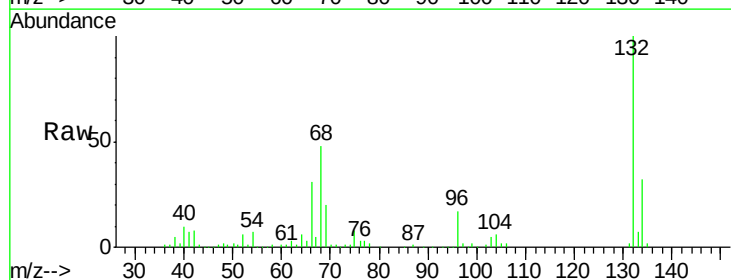
Tgt Ion: 93 Resp: 220

Ion Ratio Lower Upper

93 100

63 673.5 52.2 92.2#

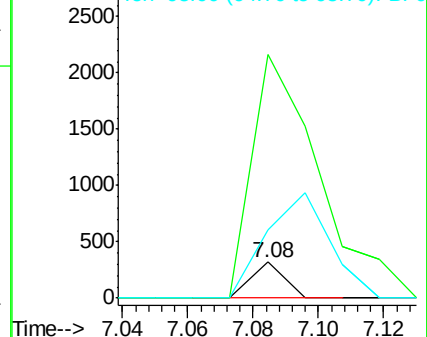
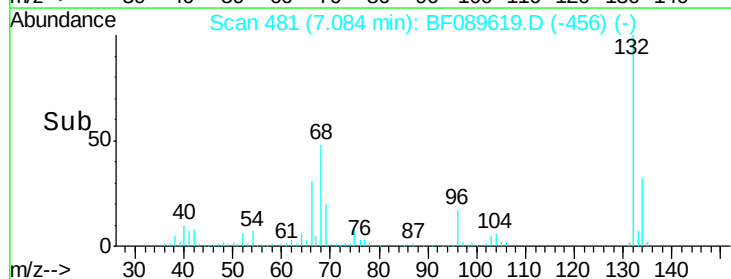
95 190.0 13.1 53.1#

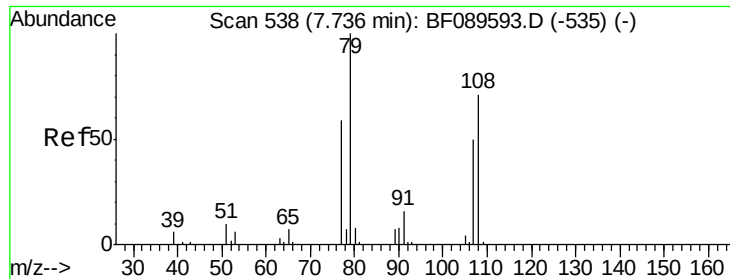


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0





#15

Benzyl Alcohol

Concen: 2.02 ng

RT: 7.68 min Scan# 533

Delta R.T. -0.06 min

Lab File: BF089619.D

Acq: 5 Aug 2016 8:38

Instrument :

BNA_F

ClientSampleId :

GW-66-6.5-15.0

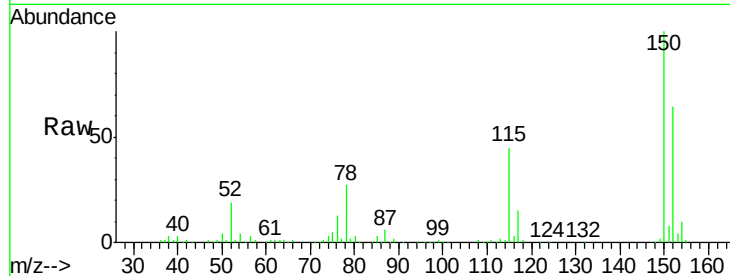
Tot Ion: 79 Resp: 4744

Ion Ratio Lower Upper

79 100

108 30.9 58.3 87.5#

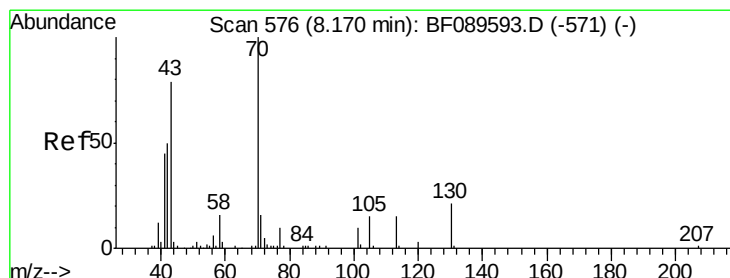
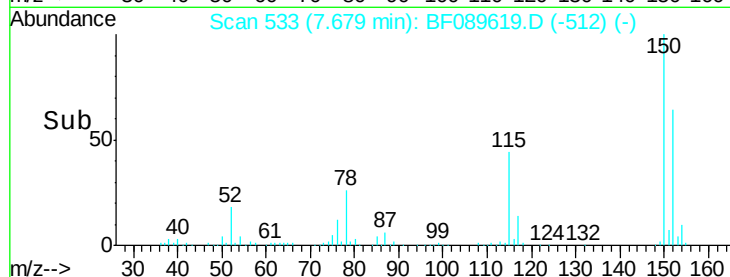
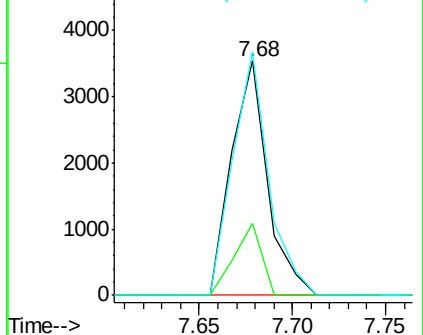
77 104.0 48.7 73.1#



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: 14.00 ng

RT: 8.35 min Scan# 592

Delta R.T. 0.18 min

Lab File: BF089619.D

Acq: 5 Aug 2016 8:38

Tgt Ion: 70 Resp: 36257

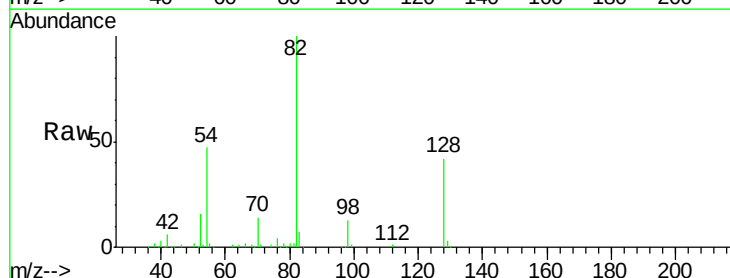
Ion Ratio Lower Upper

70 100

42 43.7 40.2 60.2

101 0.0 7.8 11.6#

130 2.2 16.4 24.6#

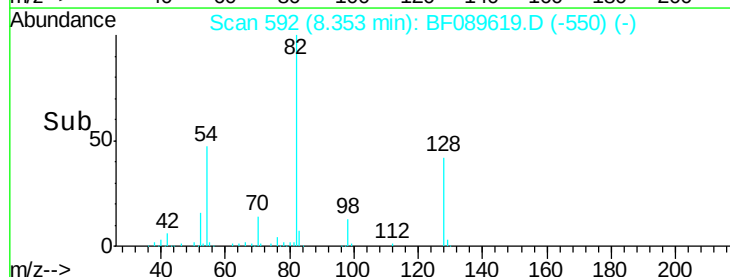
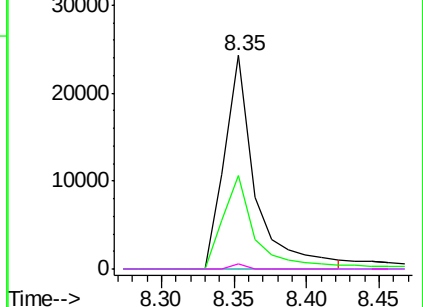


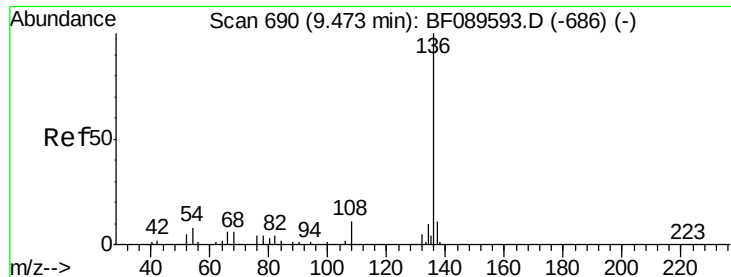
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF089619.D

Acq: 5 Aug 2016 8:38

Instrument :

BNA_F

ClientSampleId :

GW-66-6.5-15.0

Tot Ion:136 Resp: 190708

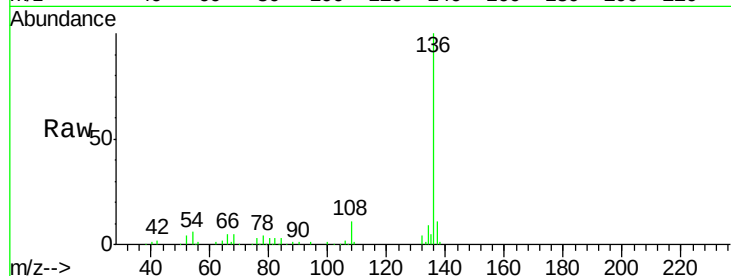
Ion Ratio Lower Upper

136 100

137 10.7 8.6 12.8

54 6.5 6.0 9.0

68 5.3 4.6 6.8

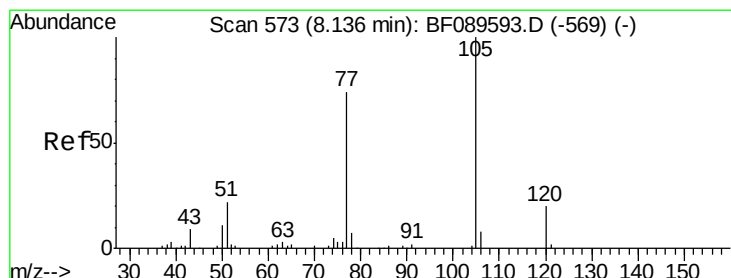
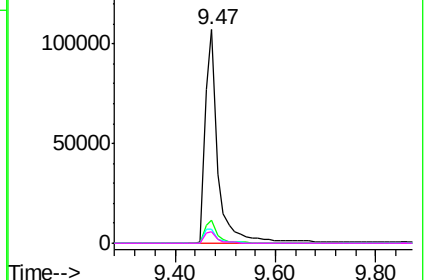
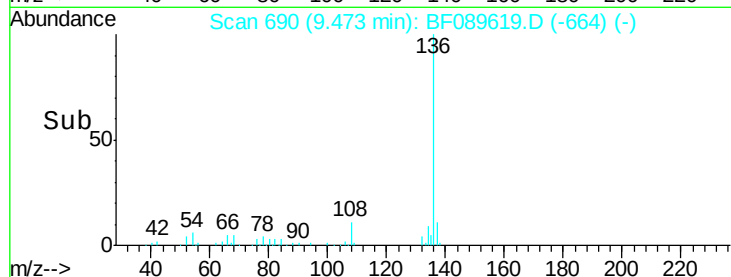


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 0.10 ng

RT: 8.10 min Scan# 570

Delta R.T. -0.03 min

Lab File: BF089619.D

Acq: 5 Aug 2016 8:38

Tgt Ion:105 Resp: 450

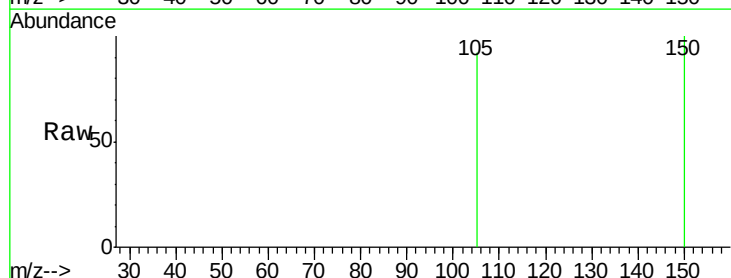
Ion Ratio Lower Upper

105 100

71 0.0 0.0 0.0

51 0.0 18.2 27.2#

120 0.0 15.7 23.5#

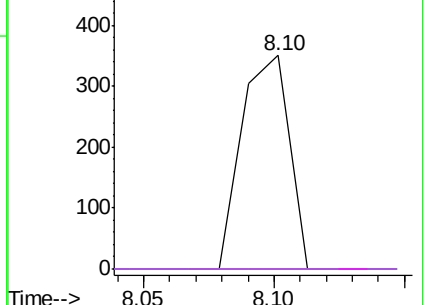
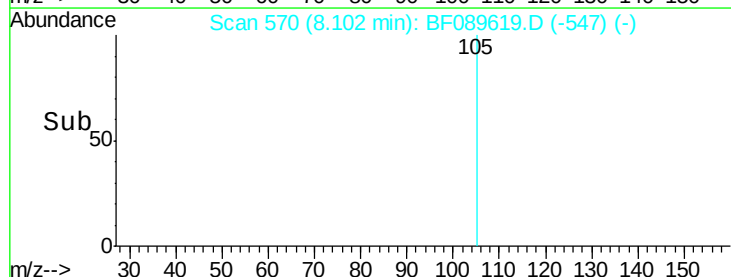


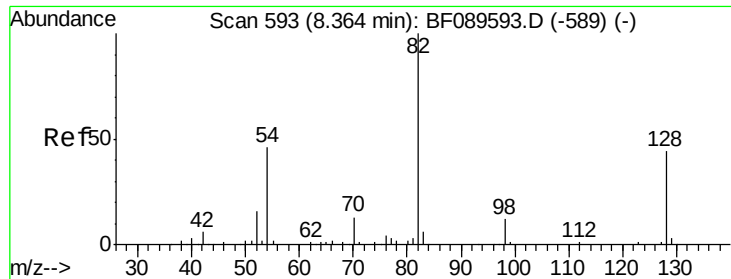
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

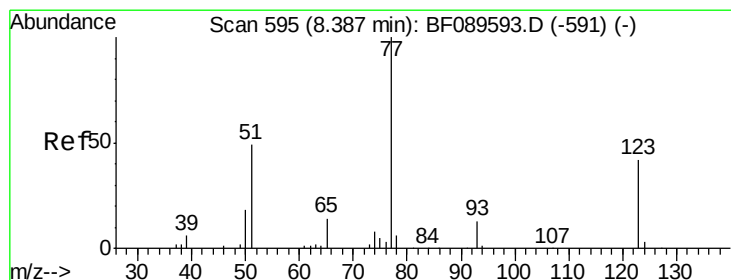
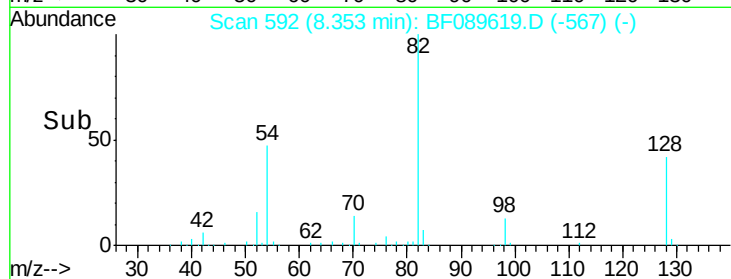
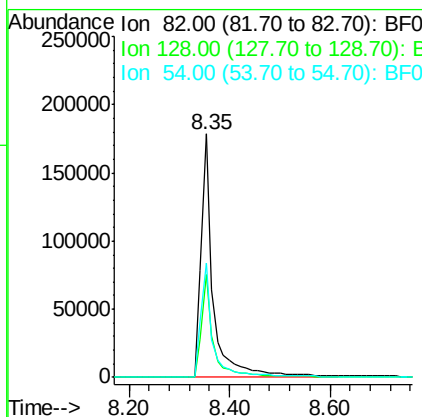
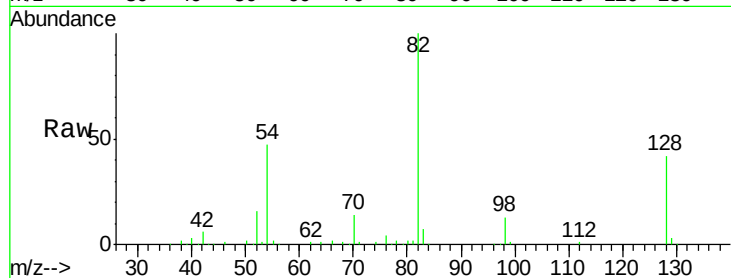




#23
 Nitrobenzene-d5
 Concen: 87.68 ng
 RT: 8.35 min Scan# 592
 Delta R.T. -0.01 min
 Lab File: BF089619.D
 Acq: 5 Aug 2016 8:38

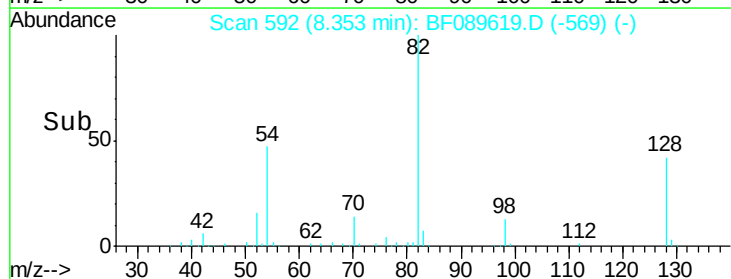
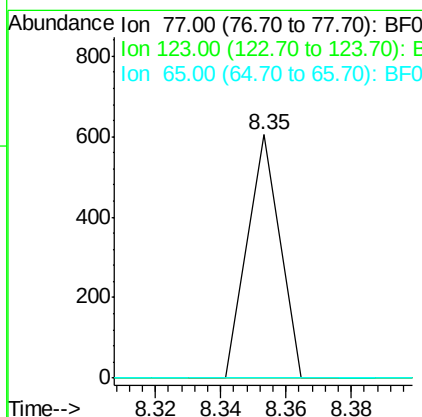
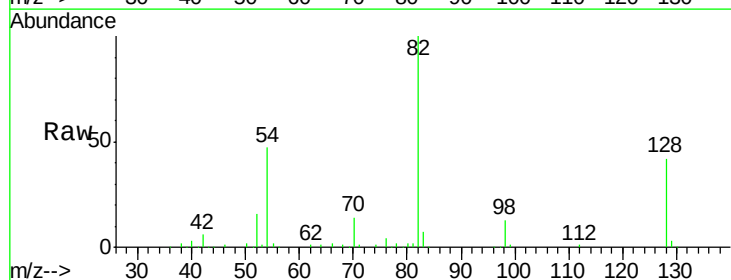
Instrument :
 BNA_F
 ClientSampleId :
 GW-66-6.5-15.0

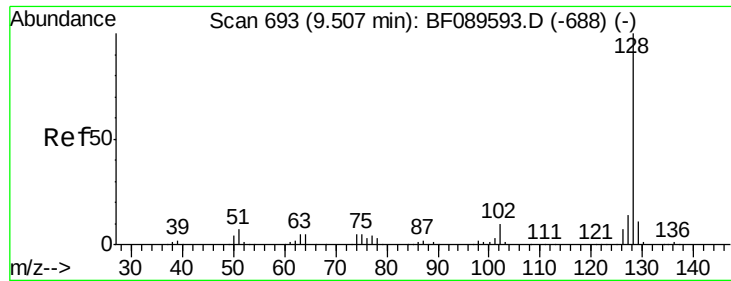
Tot Ion	82	Resp	302307
Ion Ratio	100	Lower	Upper
128	42.3	35.4	53.0
54	47.0	36.4	54.6



#24
 Nitrobenzene
 Concen: 0.13 ng
 RT: 8.35 min Scan# 592
 Delta R.T. -0.03 min
 Lab File: BF089619.D
 Acq: 5 Aug 2016 8:38

Tgt Ion	77	Resp	415
Ion Ratio	100	Lower	Upper
123	0.0	32.6	49.0#
65	0.0	11.0	16.6#

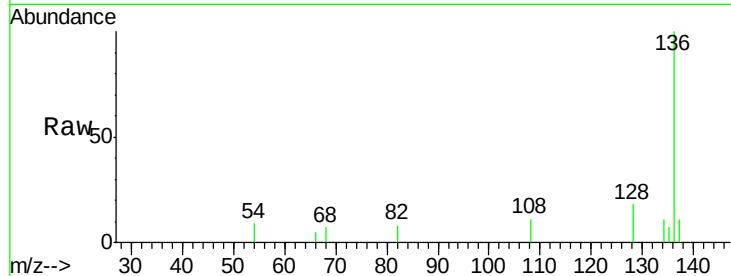




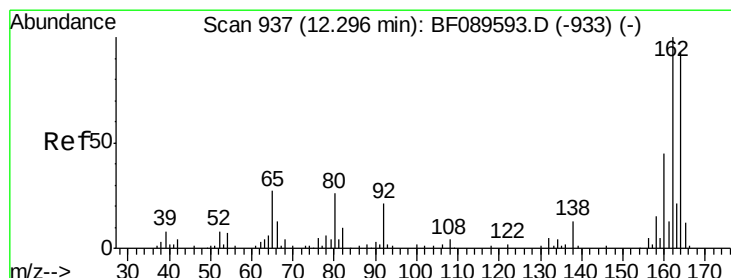
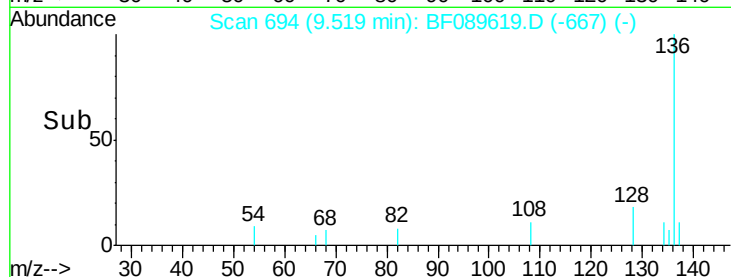
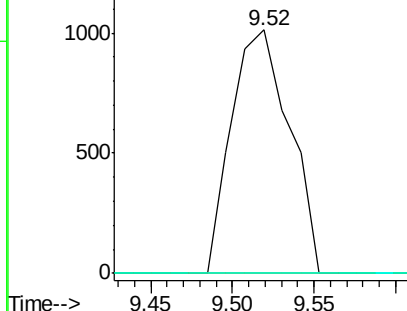
#31
Naphthalene
Concen: 0.25 ng
RT: 9.52 min Scan# 694
Delta R.T. 0.01 min
Lab File: BF089619.D
Acq: 5 Aug 2016 8:38

Instrument :
BNA_F
ClientSampleId :
GW-66-6.5-15.0

Tot Ion:128 Resp: 2488
Ion Ratio Lower Upper
128 100
129 0.0 8.7 13.1#
127 0.0 10.9 16.3#

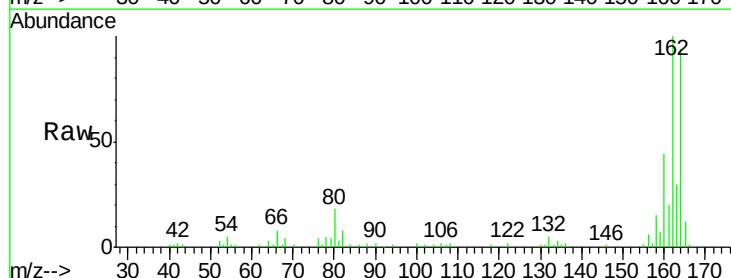


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

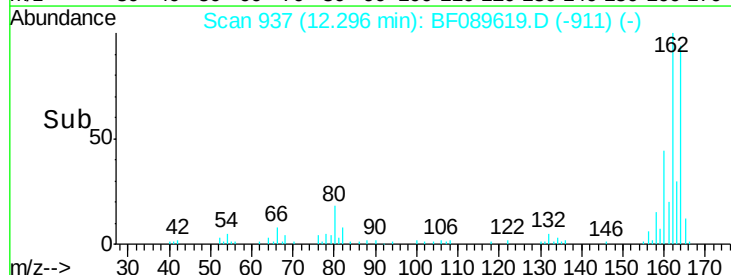
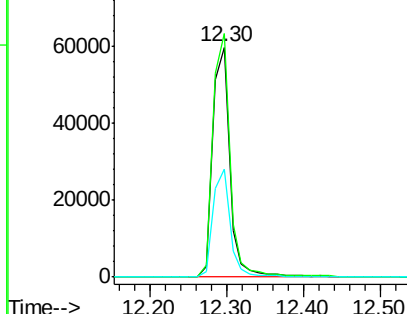


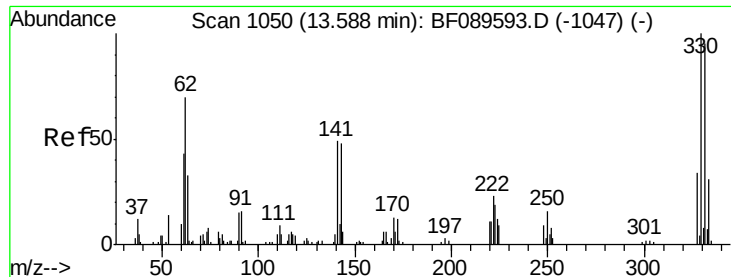
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.30 min Scan# 937
Delta R.T. 0.00 min
Lab File: BF089619.D
Acq: 5 Aug 2016 8:38

Tgt Ion:164 Resp: 92765
Ion Ratio Lower Upper
164 100
162 105.9 85.7 128.5
160 46.7 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

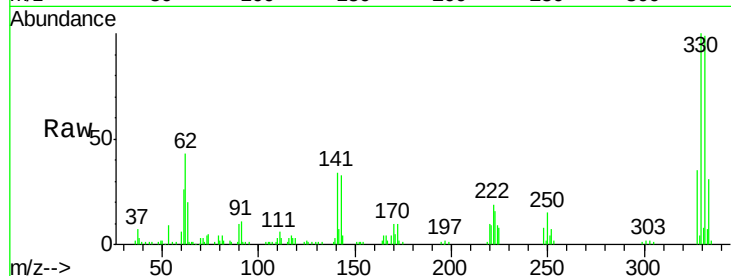




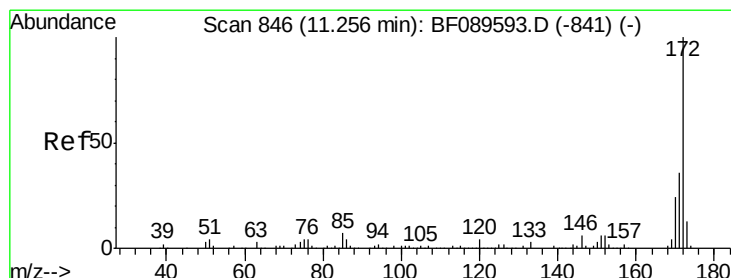
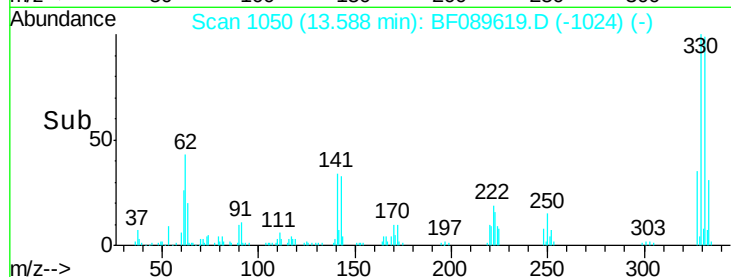
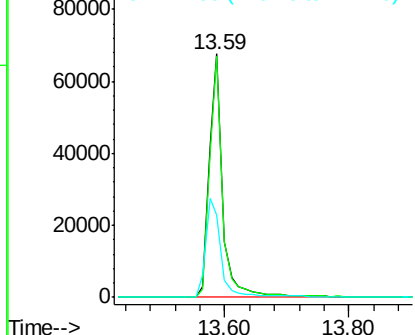
#41
 2,4,6-Tribromophenol
 Concen: 131.10 ng
 RT: 13.59 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: BF089619.D
 Acq: 5 Aug 2016 8:38

Instrument :
 BNA_F
 ClientSampleId :
 GW-66-6.5-15.0

Tot Ion:330 Resp: 100358
 Ion Ratio Lower Upper
 330 100
 332 98.3 77.0 115.6
 141 47.2 38.6 57.8

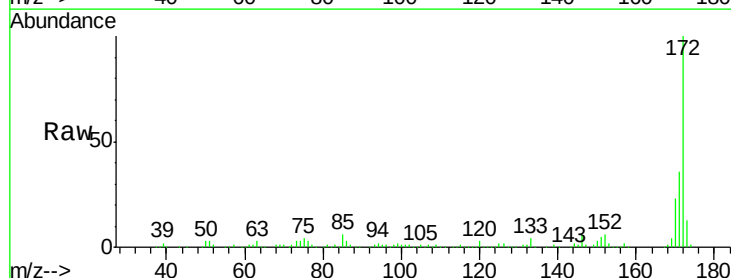


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

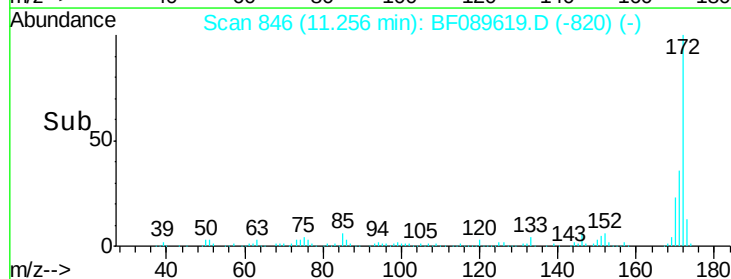
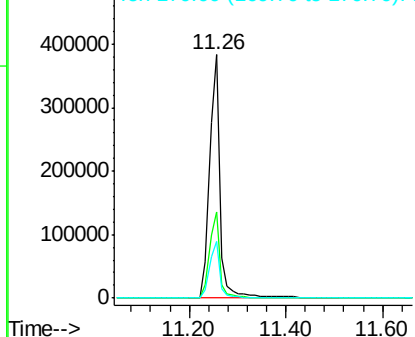


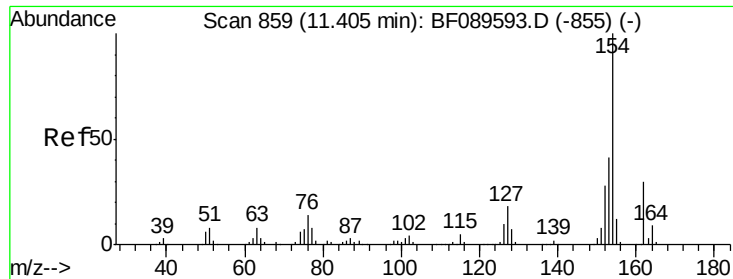
#44
 2-Fluorobiphenyl
 Concen: 82.31 ng
 RT: 11.26 min Scan# 846
 Delta R.T. 0.00 min
 Lab File: BF089619.D
 Acq: 5 Aug 2016 8:38

Tgt Ion:172 Resp: 587514
 Ion Ratio Lower Upper
 172 100
 171 35.6 28.9 43.3
 170 23.3 19.0 28.6



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





#45

1,1'-Biphenyl

Concen: 0.11 ng

RT: 11.26 min Scan# 846

Delta R.T. -0.15 min

Lab File: BF089619.D

Acq: 5 Aug 2016 8:38

Instrument :

BNA_F

ClientSampleId :

GW-66-6.5-15.0

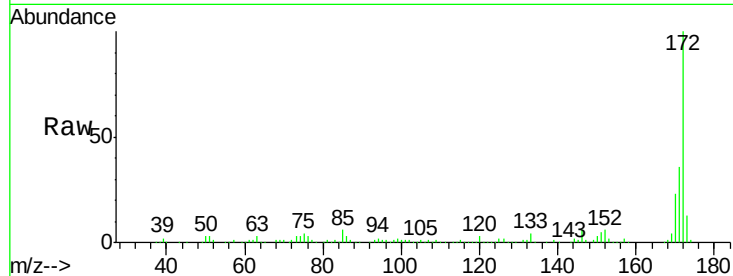
Tot Ion:154 Resp: 897

Ion Ratio Lower Upper

154 100

153 907.8 20.6 60.6#

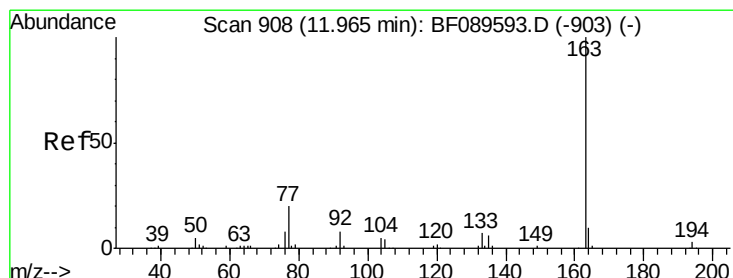
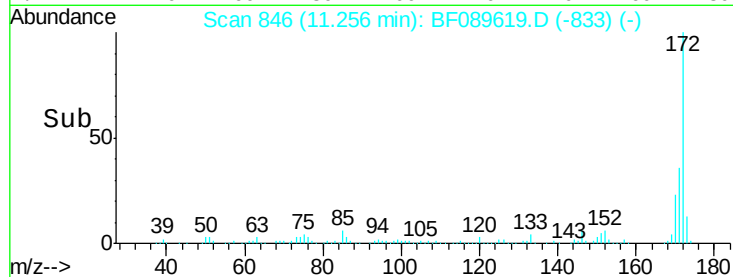
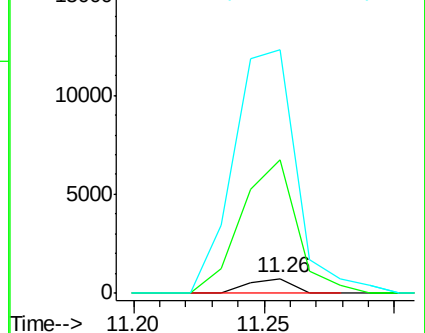
76 1660.9 0.0 33.7#



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: 0.33 ng

RT: 11.95 min Scan# 907

Delta R.T. -0.01 min

Lab File: BF089619.D

Acq: 5 Aug 2016 8:38

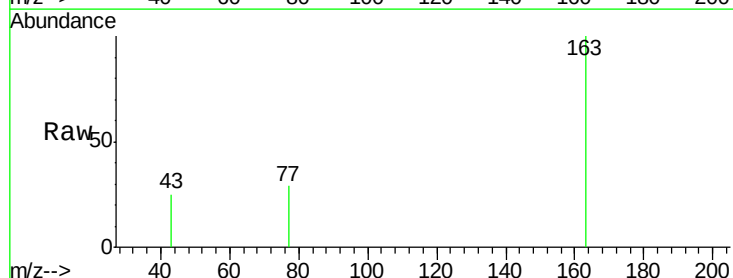
Tgt Ion:163 Resp: 2405

Ion Ratio Lower Upper

163 100

194 0.0 2.7 4.1#

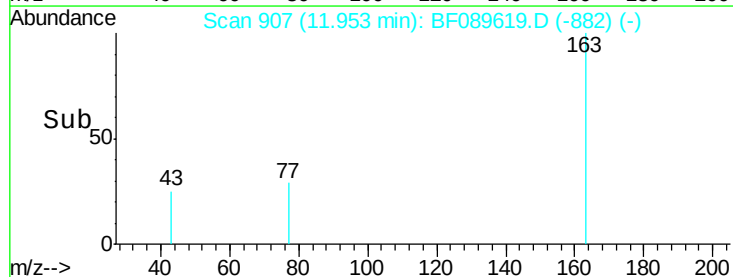
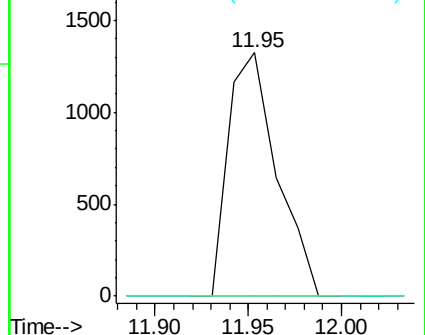
164 0.0 7.8 11.6#

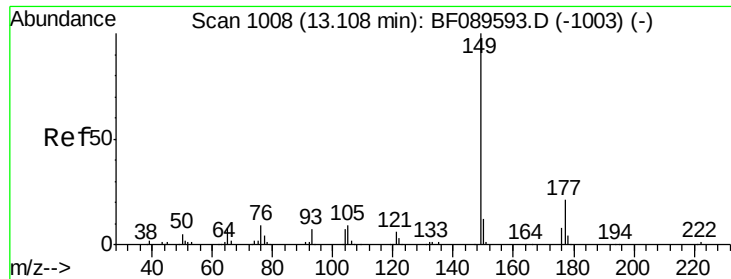


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

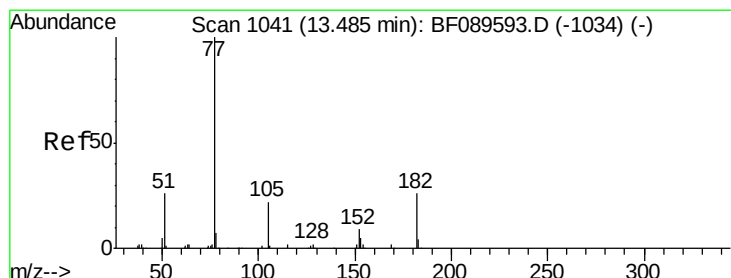
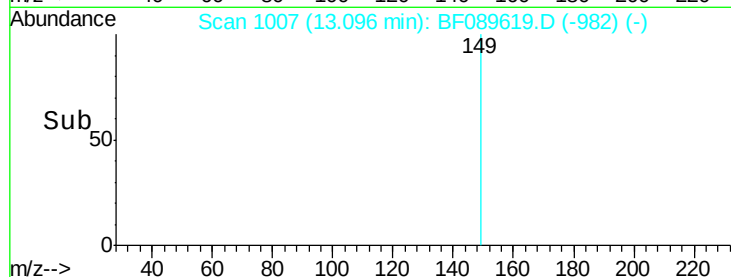
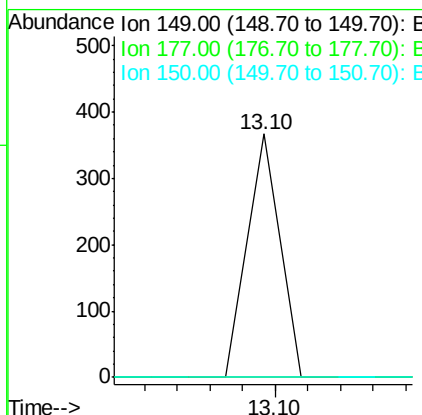
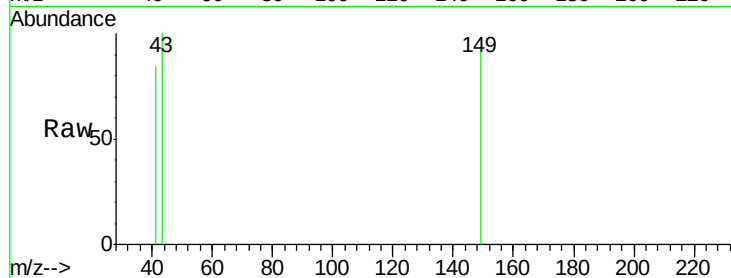




#59
Diethylphthalate
Concen: 0.03 ng
RT: 13.10 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF089619.D
Acq: 5 Aug 2016 8:38

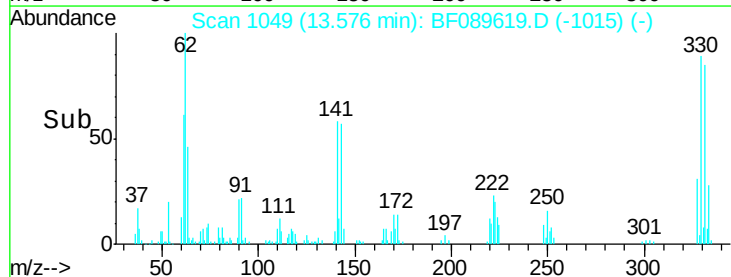
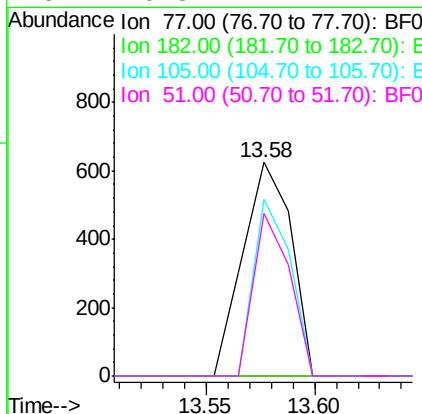
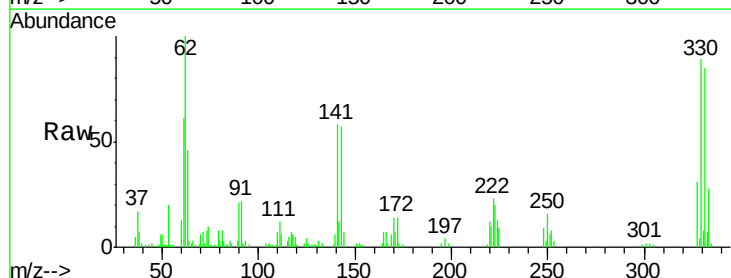
Instrument :
BNA_F
ClientSampleId :
GW-66-6.5-15.0

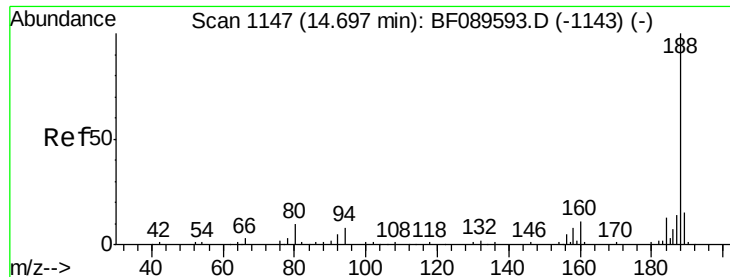
Tot Ion: 149 Resp: 252
Ion Ratio Lower Upper
149 100
177 0.0 16.8 25.2#
150 0.0 9.6 14.4#



#62
Azobenzene
Concen: 0.13 ng
RT: 13.58 min Scan# 1049
Delta R.T. 0.09 min
Lab File: BF089619.D
Acq: 5 Aug 2016 8:38

Tgt Ion: 77 Resp: 968
Ion Ratio Lower Upper
77 100
182 0.0 5.8 45.8#
105 82.4 2.9 42.9#
51 76.3 7.2 47.2#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.69 min Scan# 1146

Delta R.T. -0.01 min

Lab File: BF089619.D

Acq: 5 Aug 2016 8:38

Instrument :

BNA_F

ClientSampleId :

GW-66-6.5-15.0

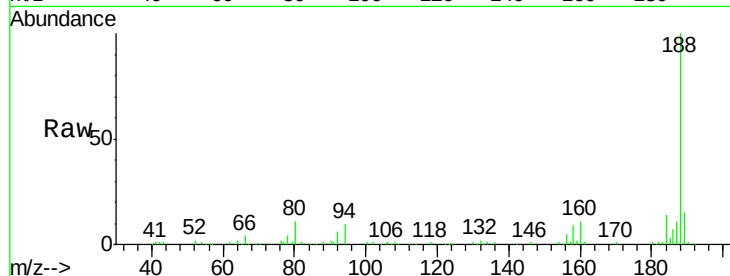
Tot Ion:188 Resp: 177003

Ion Ratio Lower Upper

188 100

94 9.6 6.5 9.7

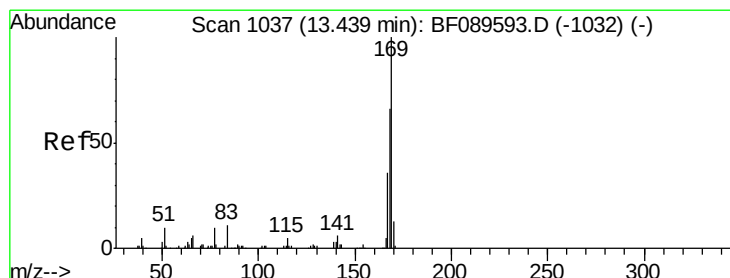
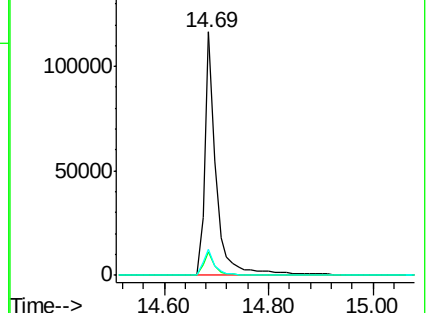
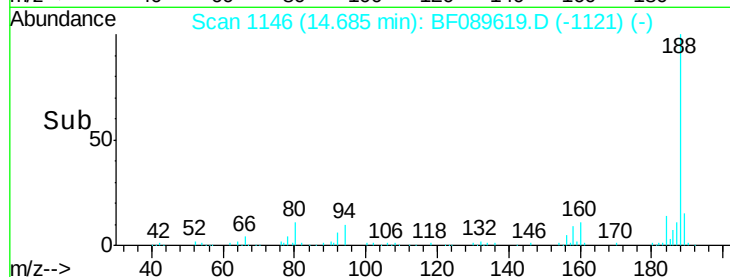
80 10.8 8.0 12.0



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: 0.69 ng

RT: 13.58 min Scan# 1049

Delta R.T. 0.14 min

Lab File: BF089619.D

Acq: 5 Aug 2016 8:38

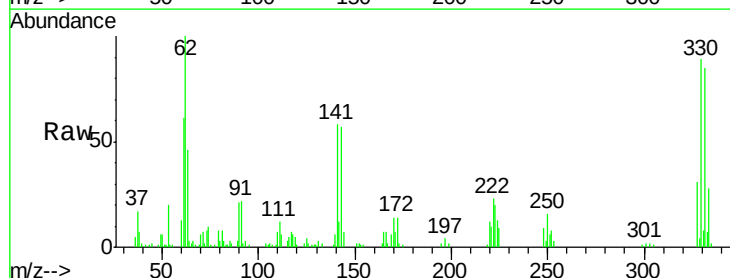
Tgt Ion:169 Resp: 4131

Ion Ratio Lower Upper

169 100

168 0.0 54.2 81.2#

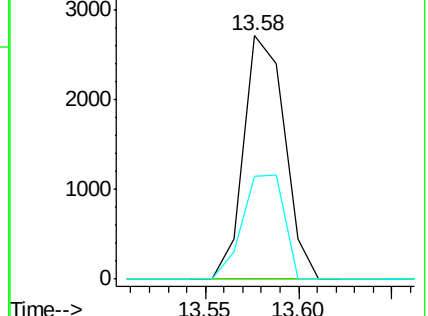
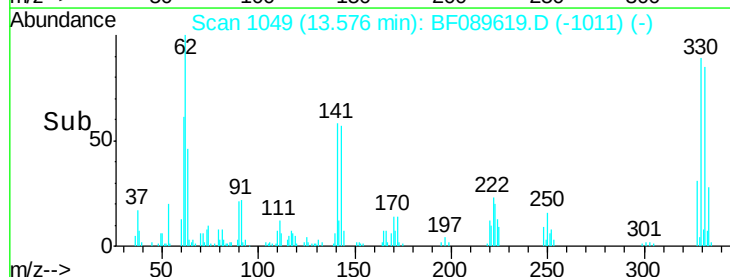
167 42.1 28.9 43.3

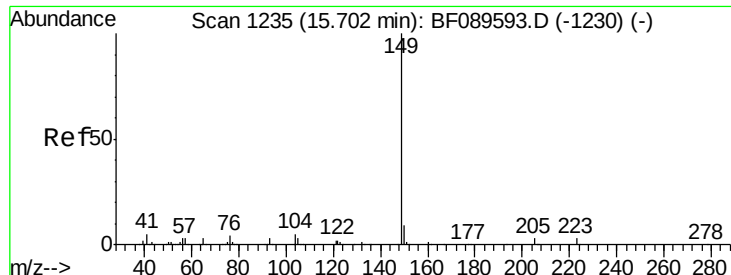


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#73

Di-n-butylphthalate

Concen: 0.18 ng

RT: 15.69 min Scan# 1234

Delta R.T. -0.01 min

Lab File: BF089619.D

Acq: 5 Aug 2016 8:38

Instrument :

BNA_F

ClientSampleId :

GW-66-6.5-15.0

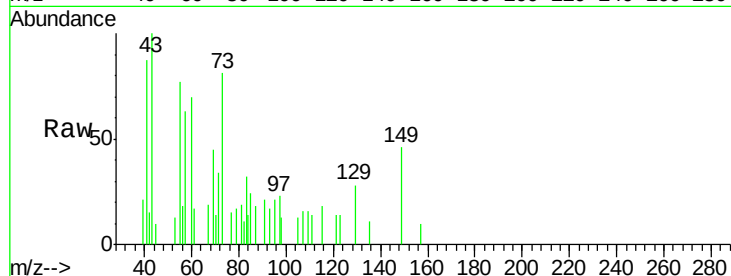
Tot Ion:149 Resp: 2139

Ion Ratio Lower Upper

149 100

150 0.0 7.2 10.8#

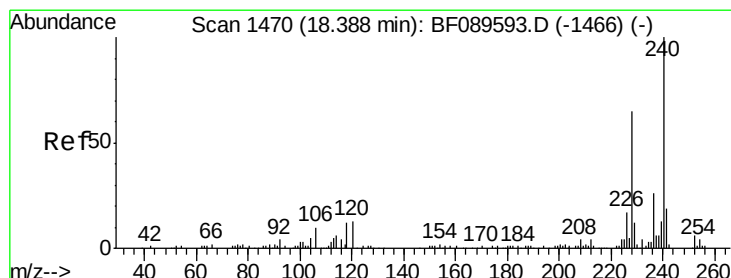
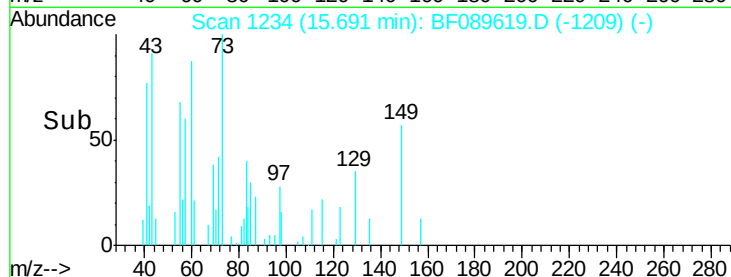
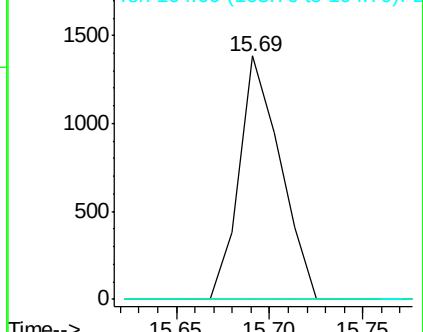
104 0.0 3.8 5.8#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.39 min Scan# 1470

Delta R.T. 0.00 min

Lab File: BF089619.D

Acq: 5 Aug 2016 8:38

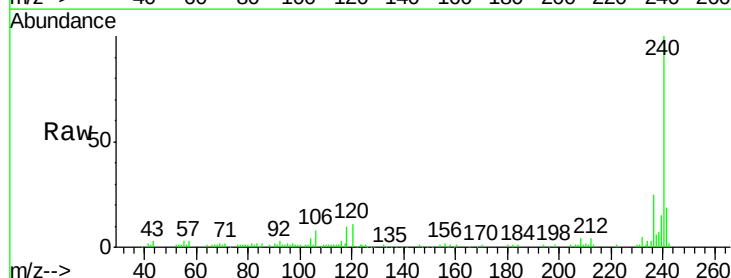
Tgt Ion:240 Resp: 118855

Ion Ratio Lower Upper

240 100

120 10.8 10.6 15.8

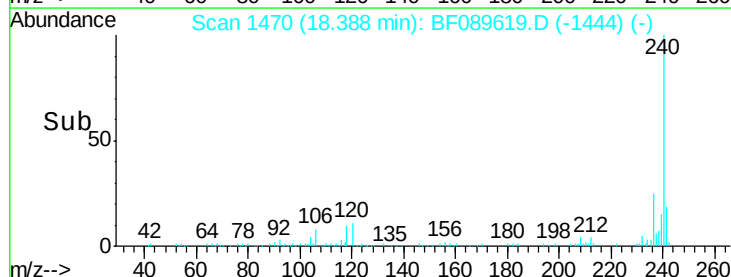
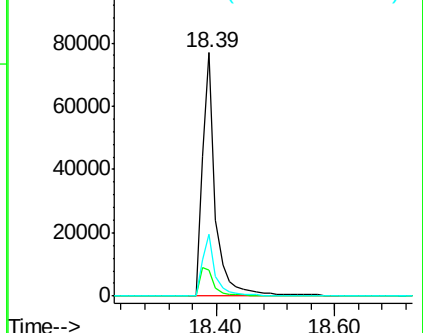
236 25.3 20.6 30.8

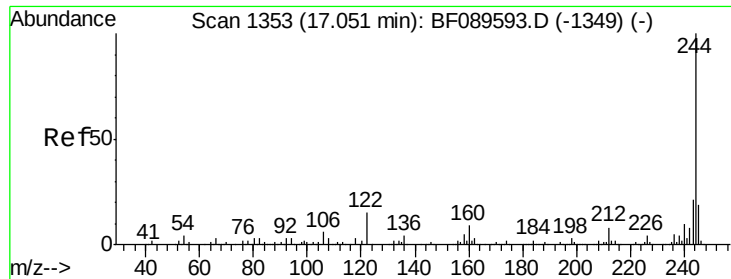


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 80.19 ng

RT: 17.05 min Scan# 1353

Delta R.T. 0.00 min

Lab File: BF089619.D

Acq: 5 Aug 2016 8:38

Instrument :

BNA_F

ClientSampleId :

GW-66-6.5-15.0

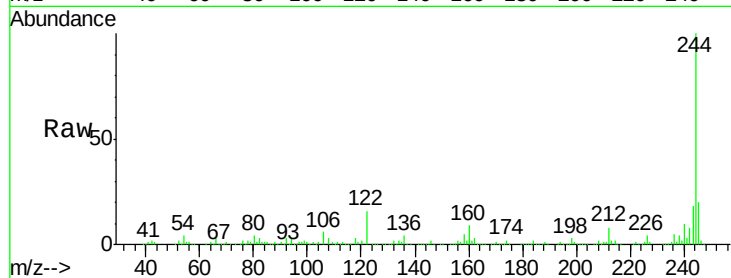
Tot Ion:244 Resp: 482794

Ion Ratio Lower Upper

244 100

212 8.1 6.4 9.6

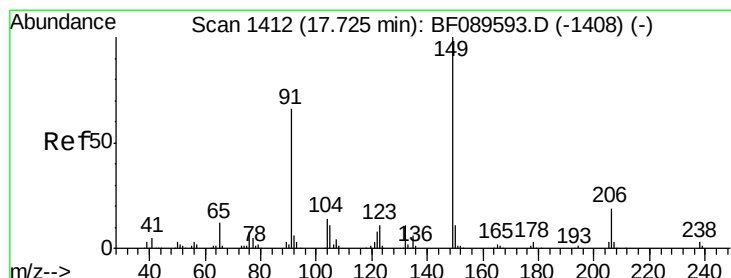
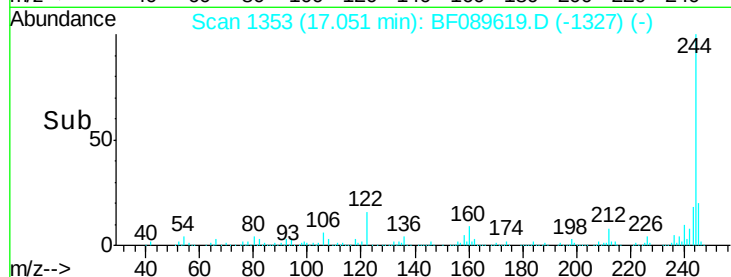
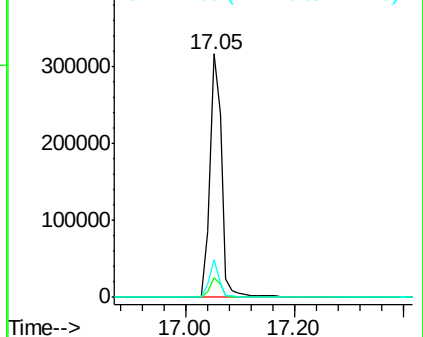
122 15.6 12.2 18.2



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



#79

Butylbenzylphthalate

Concen: 0.10 ng

RT: 17.76 min Scan# 1415

Delta R.T. 0.03 min

Lab File: BF089619.D

Acq: 5 Aug 2016 8:38

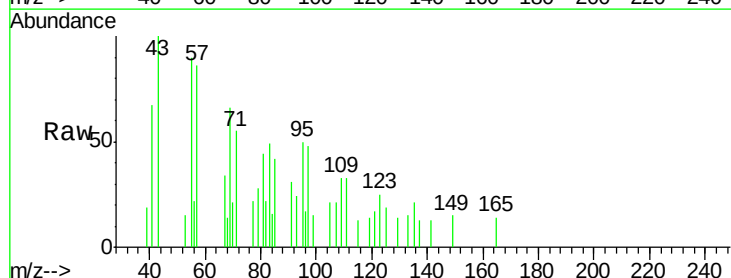
Tgt Ion:149 Resp: 459

Ion Ratio Lower Upper

149 100

91 206.6 52.6 78.8#

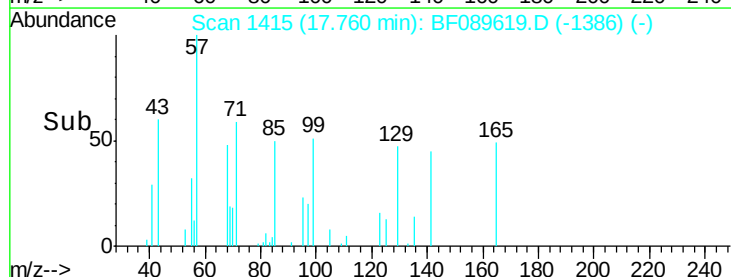
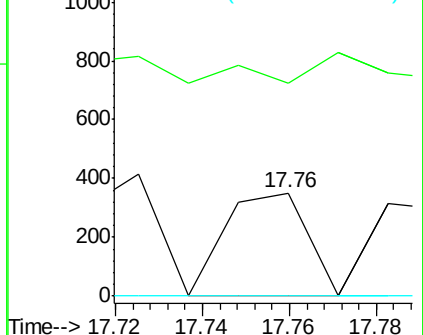
206 0.0 15.4 23.0#

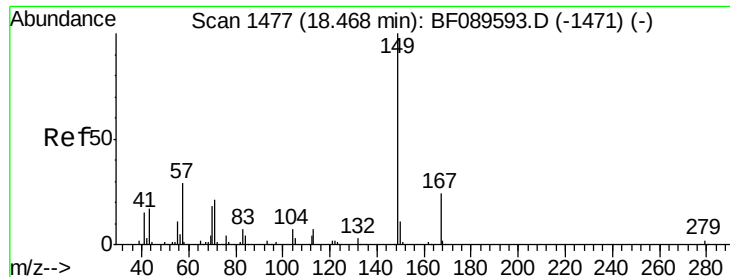


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E

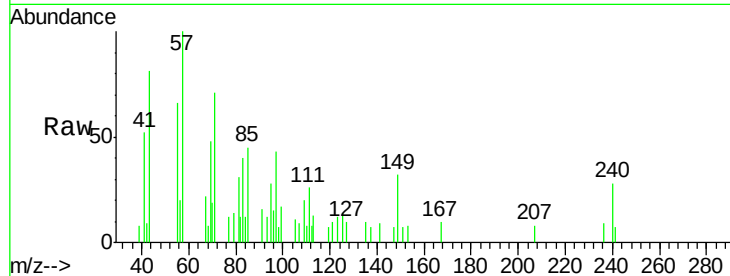




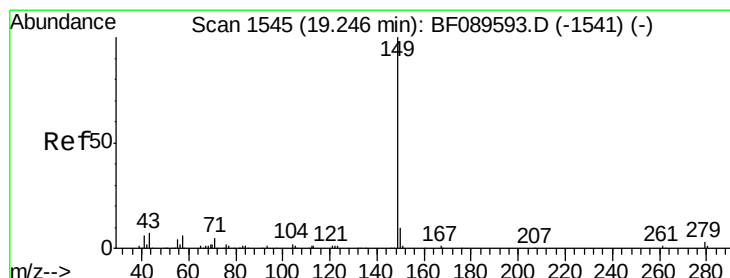
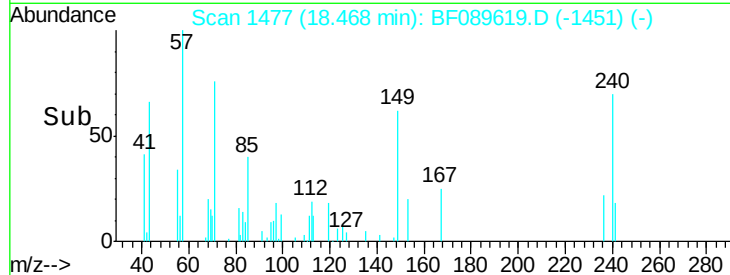
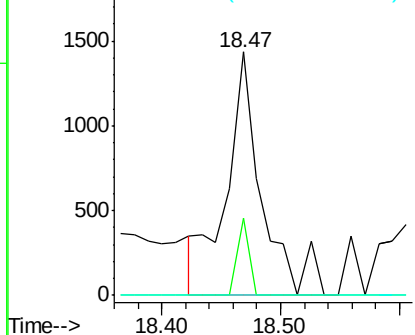
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.48 ng
 RT: 18.47 min Scan# 1477
 Delta R.T. 0.00 min
 Lab File: BF089619.D
 Acq: 5 Aug 2016 8:38

Instrument :
 BNA_F
 ClientSampleId :
 GW-66-6.5-15.0

Tot Ion	Ratio	Lower	Upper
149	100		
167	31.7	19.0	28.4#
279	0.0	1.8	2.6#

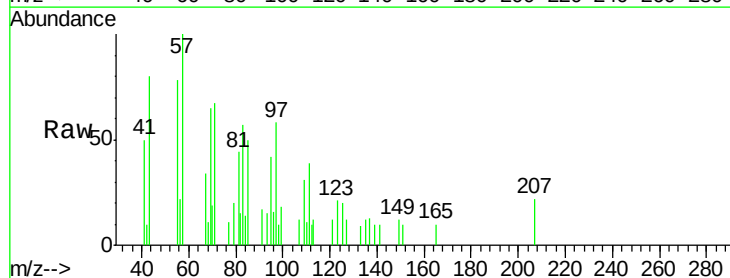


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

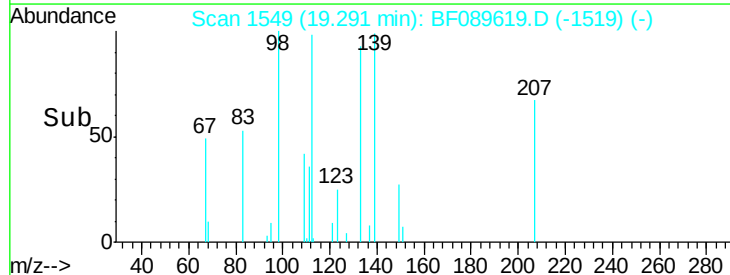
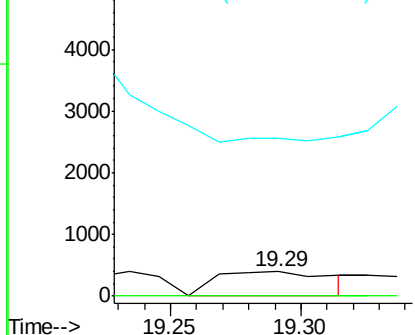


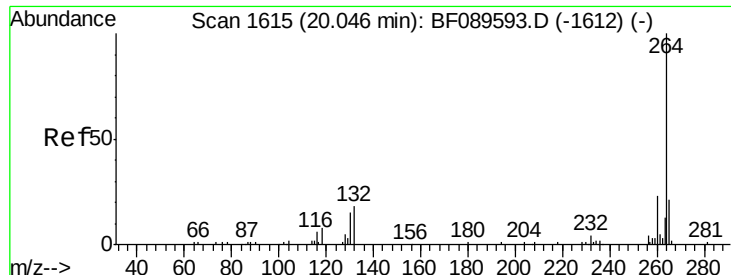
#84
 Di-n-octyl phthalate
 Concen: 0.14 ng
 RT: 19.29 min Scan# 1549
 Delta R.T. 0.05 min
 Lab File: BF089619.D
 Acq: 5 Aug 2016 8:38

Tgt Ion	Ratio	Lower	Upper
149	100		
167	0.0	1.1	1.7#
43	0.0	7.0	10.4#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 43.00 (42.70 to 43.70): BF0

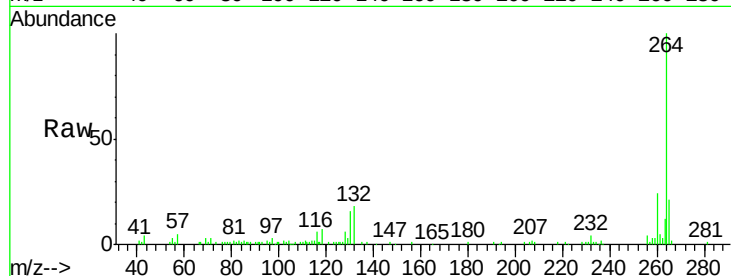




#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.05 min Scan# 1615
Delta R.T. 0.00 min
Lab File: BF089619.D
Acq: 5 Aug 2016 8:38

Instrument :
BNA_F
ClientSampleId :
GW-66-6.5-15.0

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	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

