

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080416\
 Data File : BF089620.D
 Acq On : 5 Aug 2016 9:12
 Operator : UM/SJ
 Sample : H4288-26
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GW-67-6.4-15.0

Quant Time: Aug 05 13:39:36 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

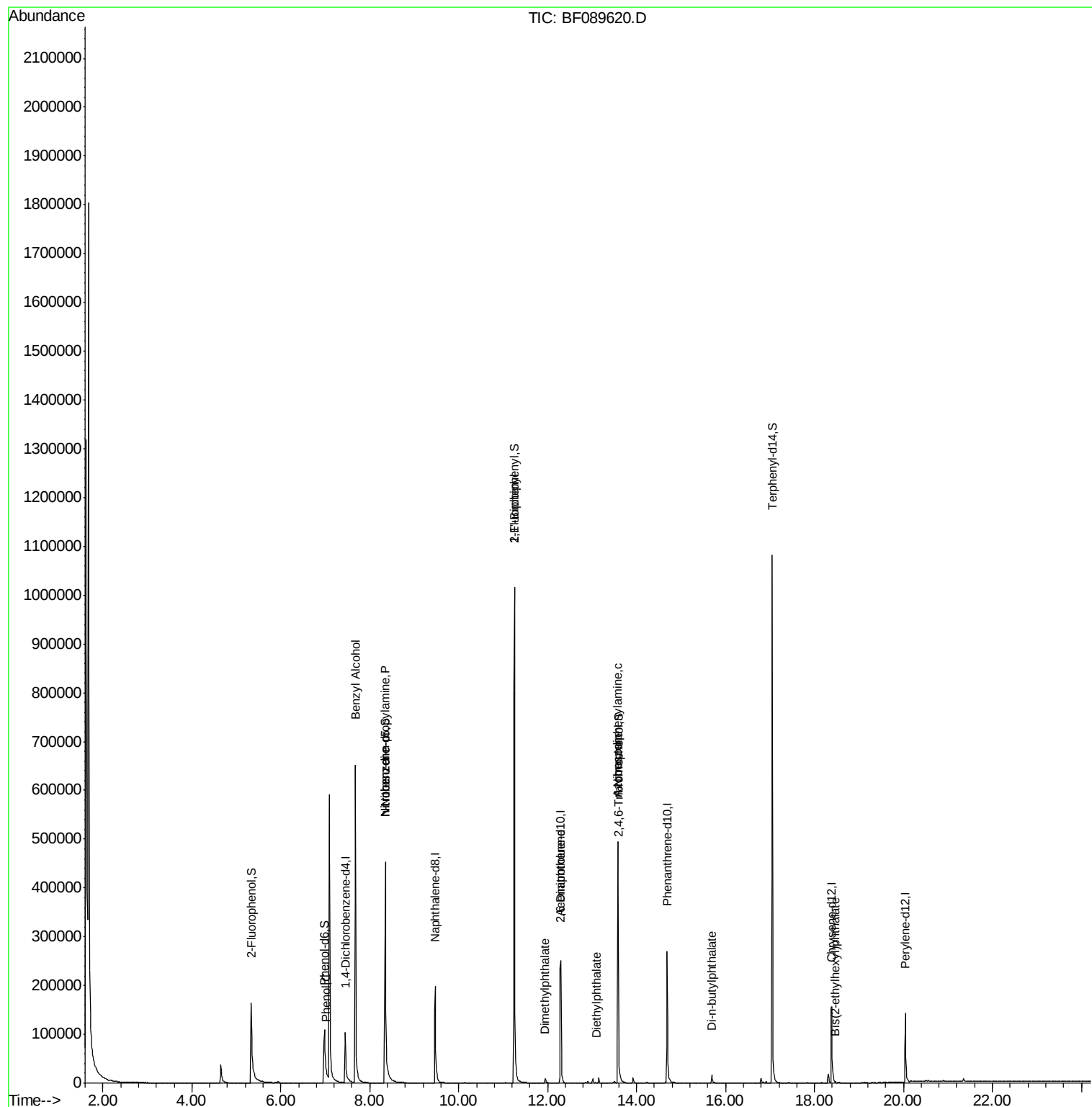
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	41784	20.00	ng	0.00
21) Naphthalene-d8	9.47	136	184401	20.00	ng	0.00
38) Acenaphthene-d10	12.30	164	89233	20.00	ng	0.00
63) Phenanthrene-d10	14.69	188	169851	20.00	ng	-0.01
75) Chrysene-d12	18.39	240	107097	20.00	ng	0.00
86) Perylene-d12	20.05	264	78812	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	142758	57.26	ng	0.02
7) Phenol-d6	6.98	99	126531	37.41	ng	0.00
23) Nitrobenzene-d5	8.35	82	279646	83.88	ng	-0.01
41) 2,4,6-Tribromophenol	13.59	330	89580	121.65	ng	0.00
44) 2-Fluorobiphenyl	11.26	172	540643	78.74	ng	0.00
78) Terphenyl-d14	17.05	244	435727	80.32	ng	0.00
Target Compounds						
10) Phenol	7.02	94	808	0.23	ng	# 1
15) Benzyl Alcohol	7.68	79	4116	1.86	ng	# 46
19) n-Nitroso-di-n-propylamine	8.35	70	33128	13.56	ng	# 80
24) Nitrobenzene	8.35	77	405	0.13	ng	# 42
45) 1,1'-Biphenyl	11.26	154	836	0.10	ng	# 1
49) Dimethylphthalate	11.94	163	9022	1.29	ng	# 95
50) 2,6-Dinitrotoluene	12.29	165	9567	6.88	ng	# 24
59) Diethylphthalate	13.10	149	383	0.05	ng	# 60
62) Azobenzene	13.58	77	345	0.05	ng	# 8
65) n-Nitrosodiphenylamine	13.58	169	3322	0.58	ng	# 39
73) Di-n-butylphthalate	15.69	149	1400	0.13	ng	# 79
83) Bis(2-ethylhexyl)phthalate	18.47	149	438	0.08	ng	# 55

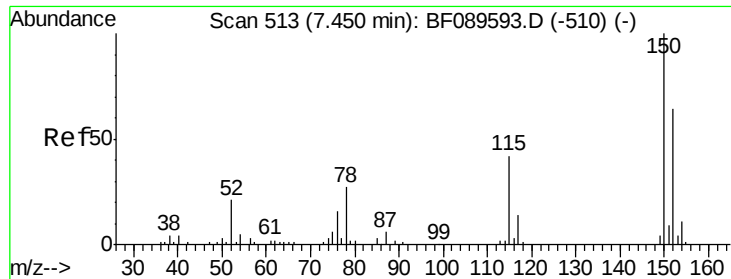
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF089620.D

Acq: 5 Aug 2016 9:12

Instrument :

BNA_F

ClientSampleId :

GW-67-6.4-15.0

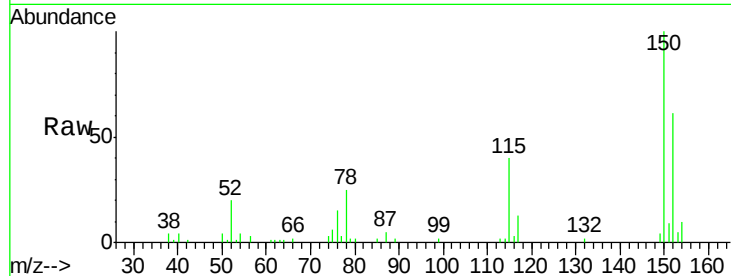
Tot Ion:152 Resp: 41784

Ion Ratio Lower Upper

152 100

150 163.2 125.5 188.3

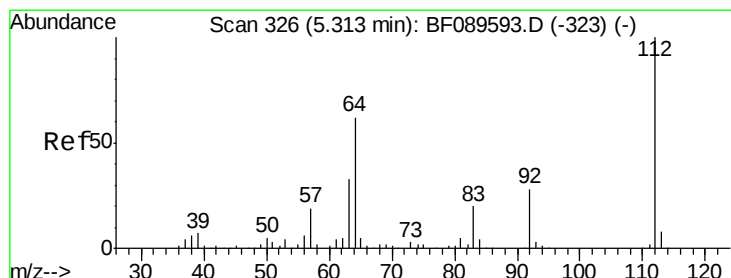
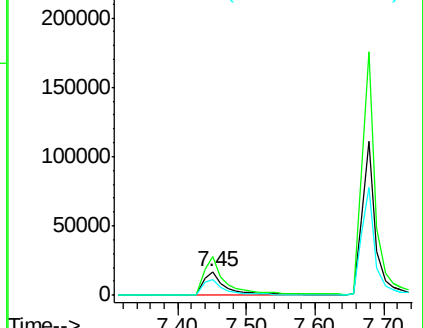
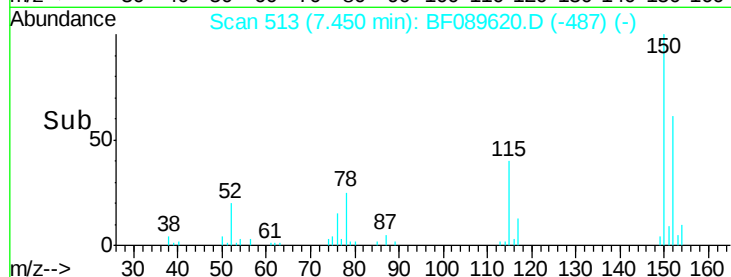
115 65.1 52.0 78.0



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: 57.26 ng

RT: 5.34 min Scan# 328

Delta R.T. 0.02 min

Lab File: BF089620.D

Acq: 5 Aug 2016 9:12

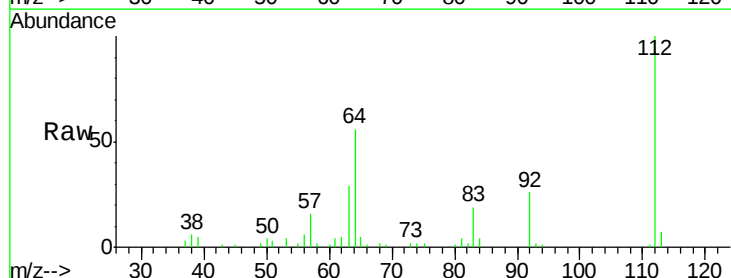
Tgt Ion:112 Resp: 142758

Ion Ratio Lower Upper

112 100

64 55.8 49.9 74.9

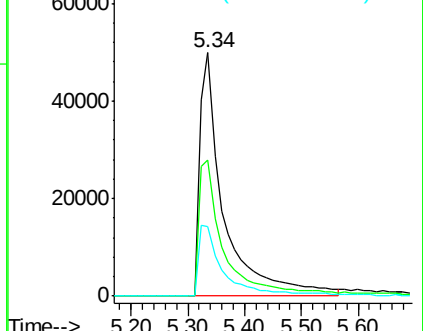
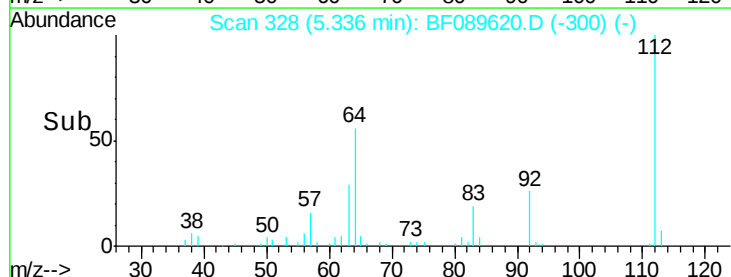
63 28.6 26.1 39.1



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: 37.41 ng

RT: 6.98 min Scan# 472

Delta R.T. 0.00 min

Lab File: BF089620.D

Acq: 5 Aug 2016 9:12

Instrument :

BNA_F

ClientSampleId :

GW-67-6.4-15.0

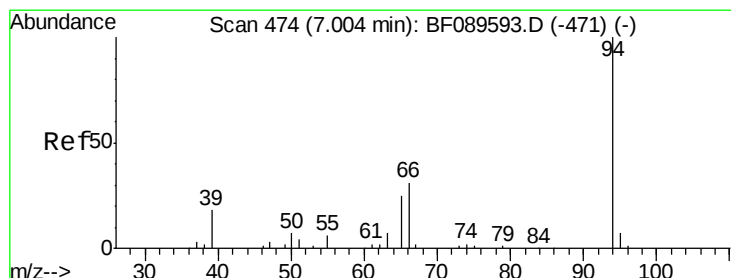
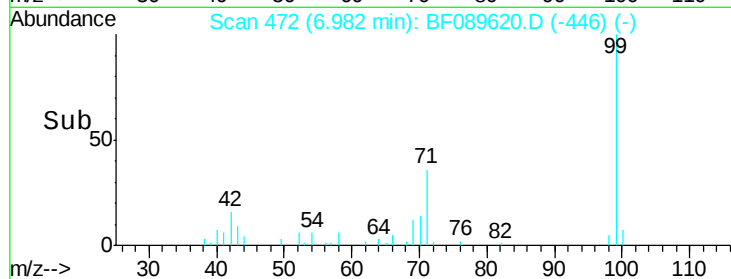
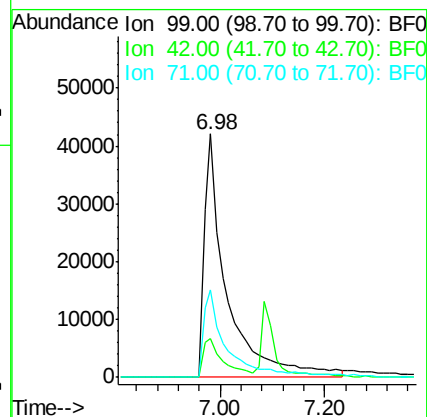
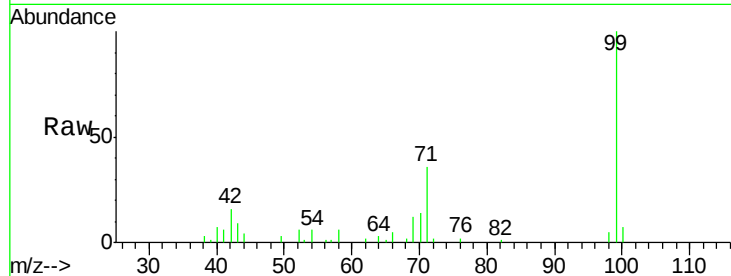
Tot Ion: 99 Resp: 126531

Ion Ratio Lower Upper

99 100

42 15.8 13.7 20.5

71 35.9 29.0 43.4



#10

Phenol

Concen: 0.23 ng

RT: 7.02 min Scan# 475

Delta R.T. 0.01 min

Lab File: BF089620.D

Acq: 5 Aug 2016 9:12

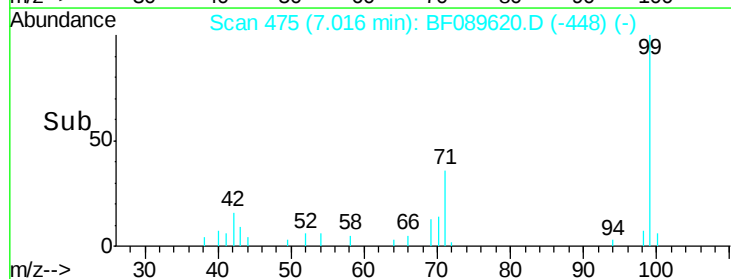
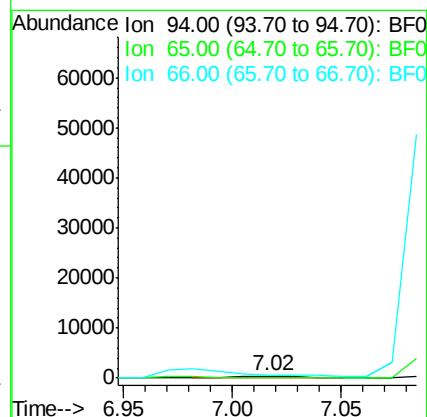
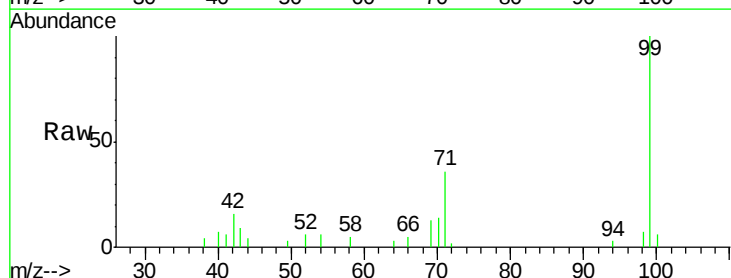
Tgt Ion: 94 Resp: 808

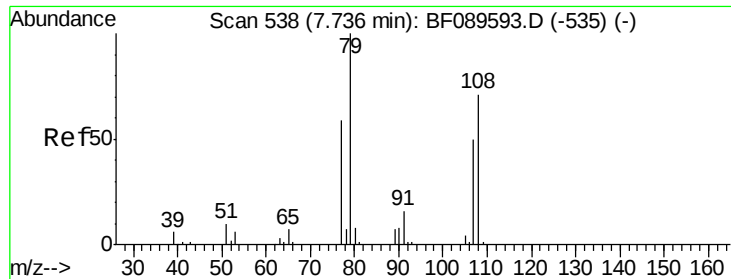
Ion Ratio Lower Upper

94 100

65 0.0 11.0 51.0#

66 156.5 27.4 67.4#





#15

Benzyl Alcohol

Concen: 1.86 ng

RT: 7.68 min Scan# 533

Delta R.T. -0.06 min

Lab File: BF089620.D

Acq: 5 Aug 2016 9:12

Instrument :

BNA_F

ClientSampleId :

GW-67-6.4-15.0

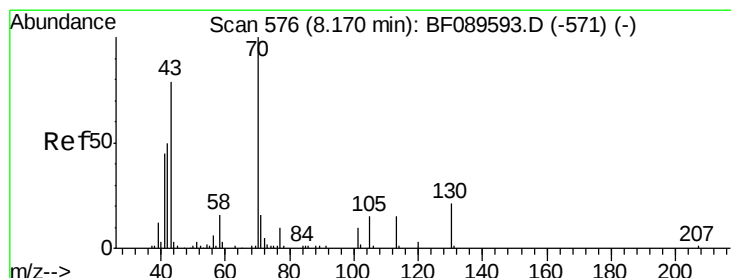
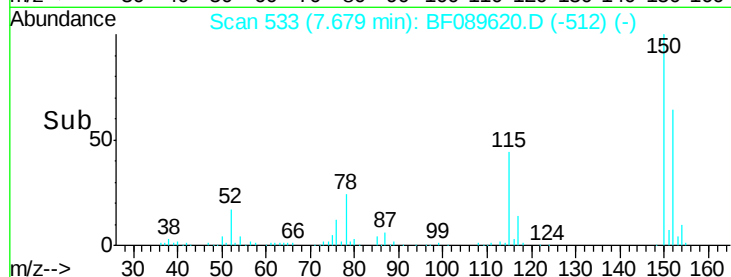
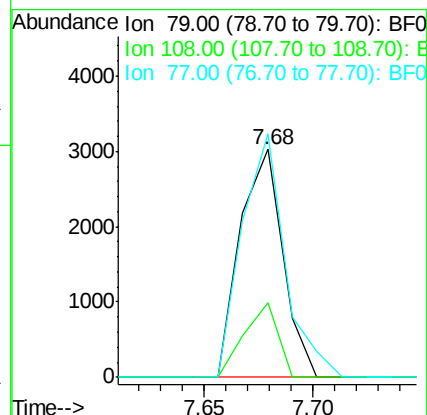
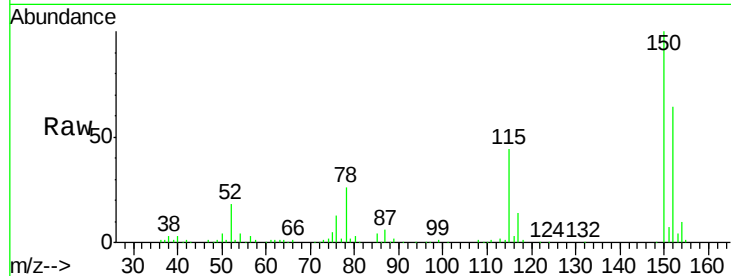
Tot Ion: 79 Resp: 4116

Ion Ratio Lower Upper

79 100

108 32.6 58.3 87.5#

77 106.8 48.7 73.1#



#19

n-Nitroso-di-n-propylamine

Concen: 13.56 ng

RT: 8.35 min Scan# 592

Delta R.T. 0.18 min

Lab File: BF089620.D

Acq: 5 Aug 2016 9:12

Tgt Ion: 70 Resp: 33128

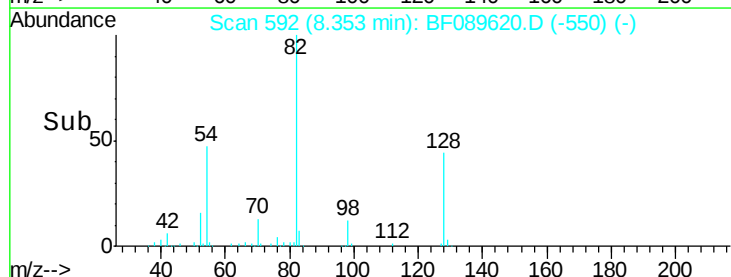
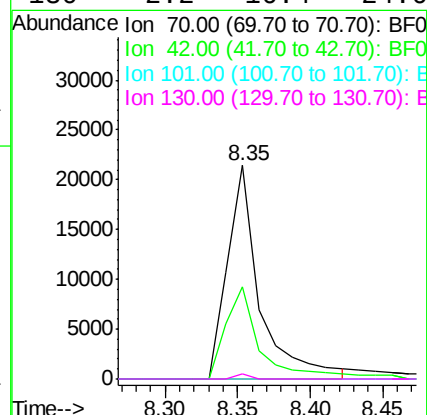
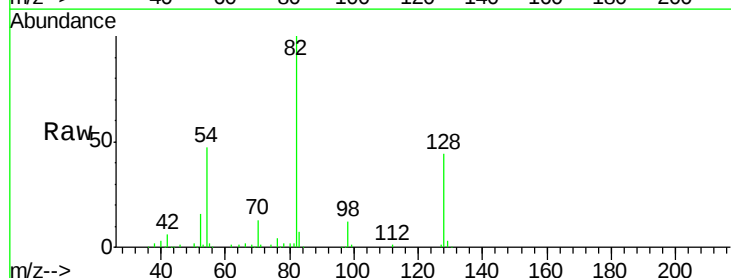
Ion Ratio Lower Upper

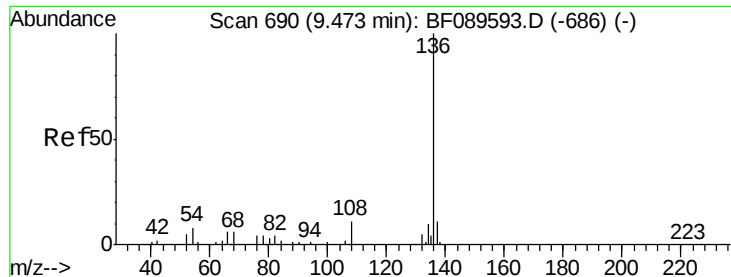
70 100

42 42.9 40.2 60.2

101 0.0 7.8 11.6#

130 2.2 16.4 24.6#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.47 min Scan# 690

Delta R.T. 0.00 min

Lab File: BF089620.D

Acq: 5 Aug 2016 9:12

Instrument :

BNA_F

ClientSampleId :

GW-67-6.4-15.0

Tot Ion:136 Resp: 184401

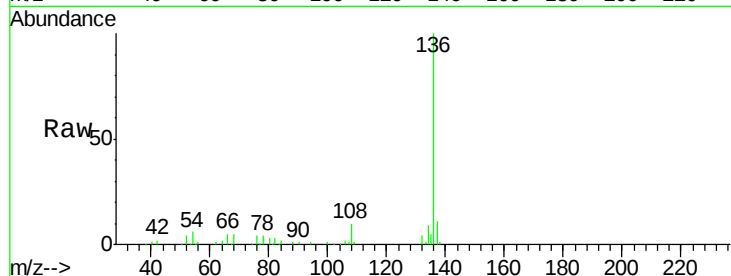
Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

54 6.4 6.0 9.0

68 5.3 4.6 6.8

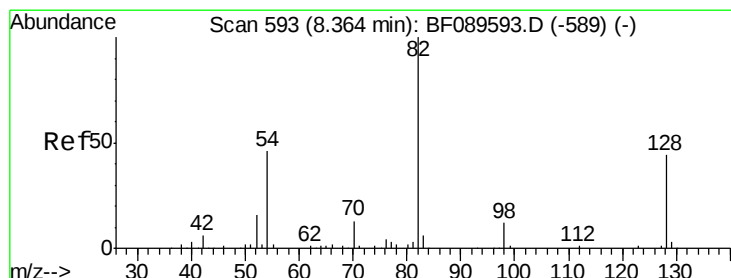
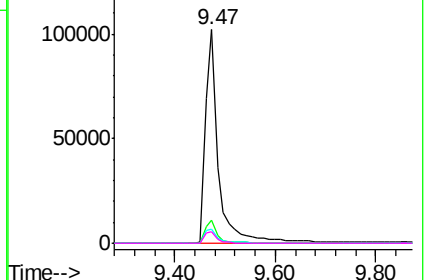
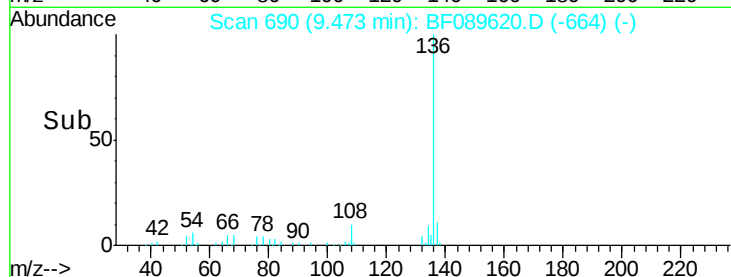


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 83.88 ng

RT: 8.35 min Scan# 592

Delta R.T. -0.01 min

Lab File: BF089620.D

Acq: 5 Aug 2016 9:12

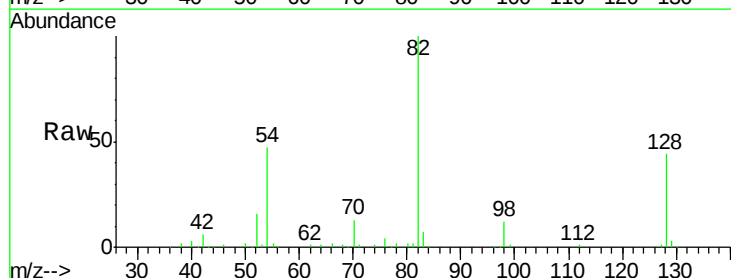
Tgt Ion: 82 Resp: 279646

Ion Ratio Lower Upper

82 100

128 43.7 35.4 53.0

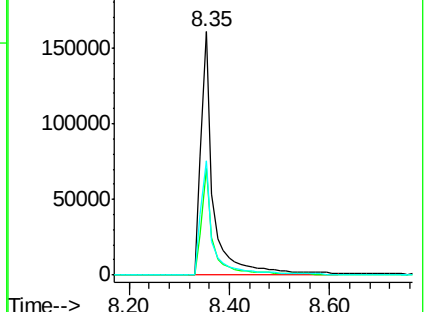
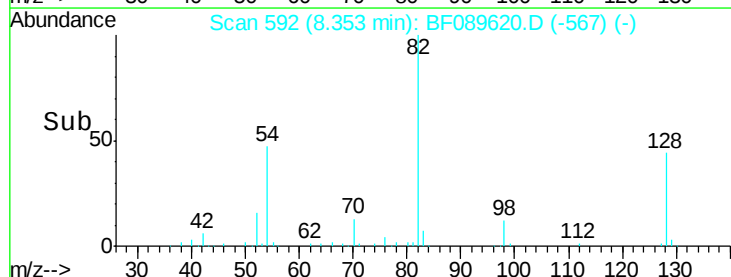
54 47.2 36.4 54.6

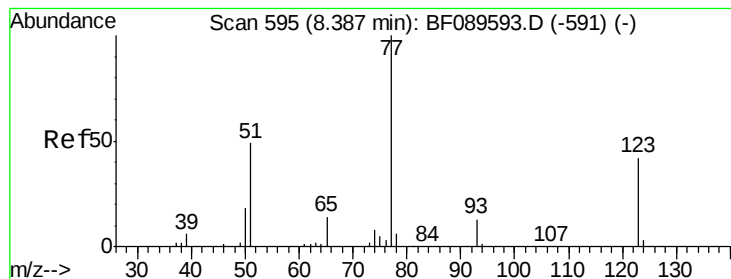


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 0.13 ng

RT: 8.35 min Scan# 592

Delta R.T. -0.03 min

Lab File: BF089620.D

Acq: 5 Aug 2016 9:12

Instrument :

BNA_F

ClientSampleId :

GW-67-6.4-15.0

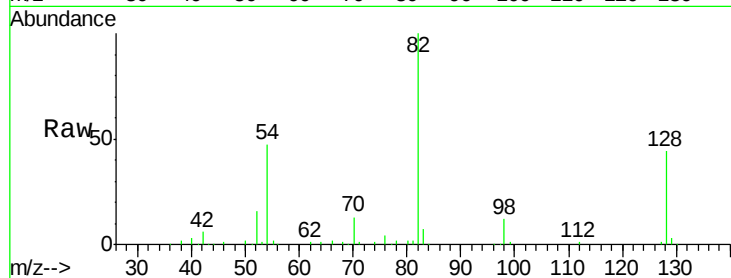
Tot Ion: 77 Resp: 405

Ion Ratio Lower Upper

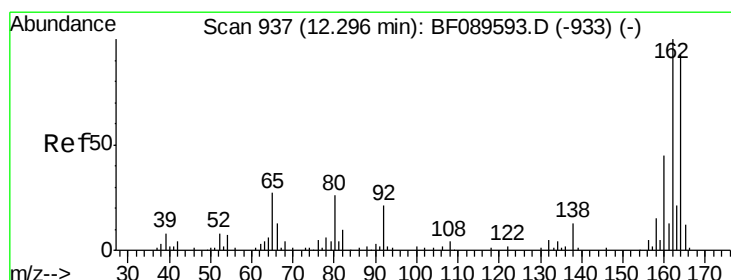
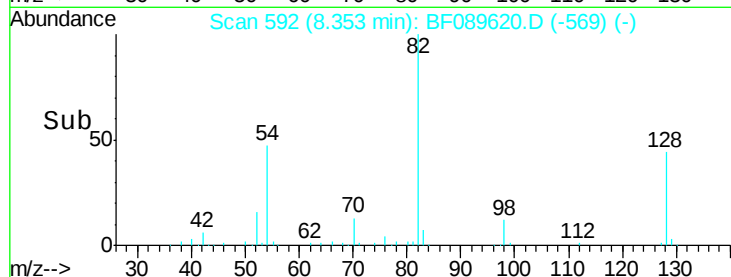
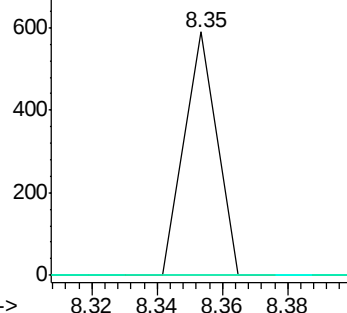
77 100

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: BF089620.D

Acq: 5 Aug 2016 9:12

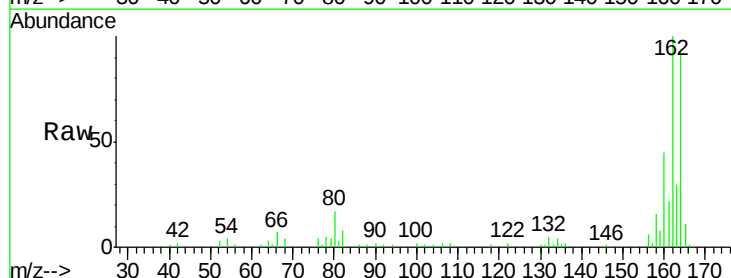
Tgt Ion:164 Resp: 89233

Ion Ratio Lower Upper

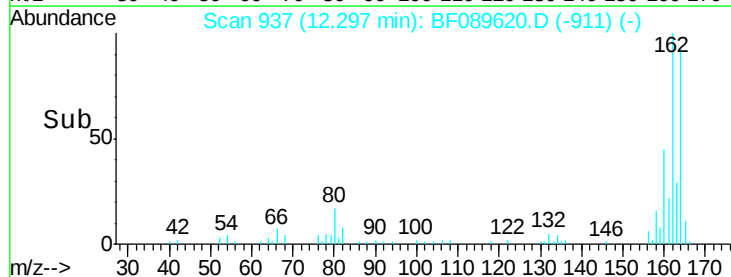
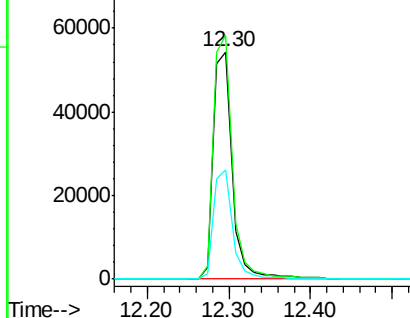
164 100

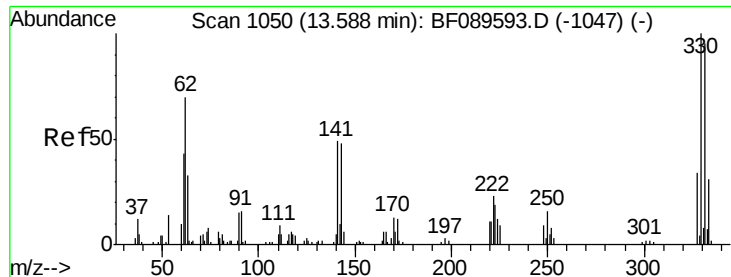
162 107.1 85.7 128.5

160 47.9 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

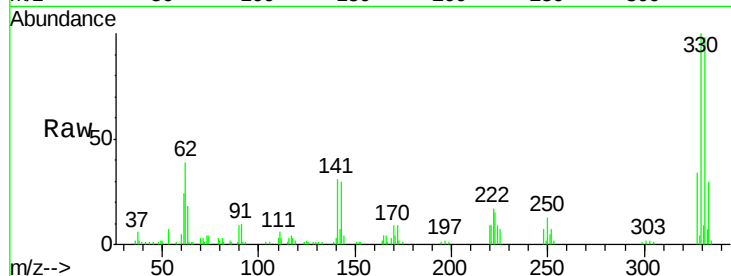




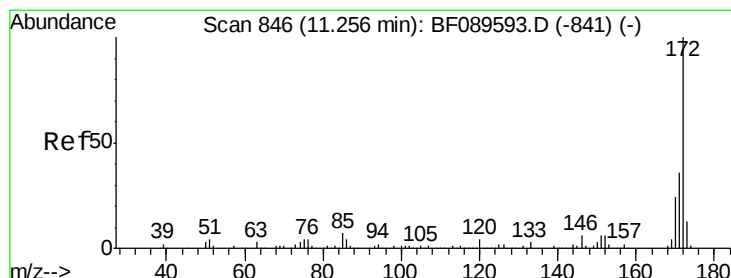
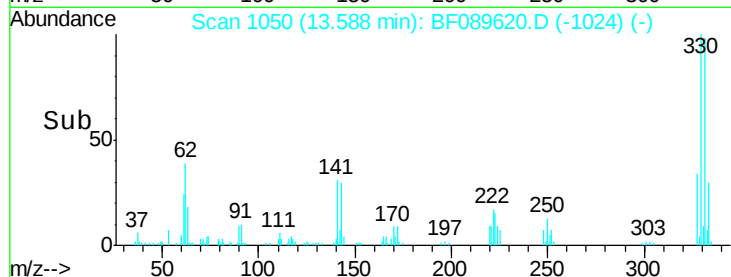
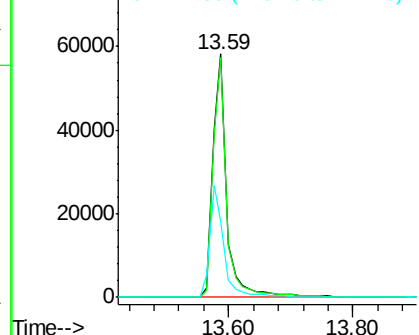
#41
 2,4,6-Tribromophenol
 Concen: 121.65 ng
 RT: 13.59 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: BF089620.D
 Acq: 5 Aug 2016 9:12

Instrument :
 BNA_F
 ClientSampleId :
 GW-67-6.4-15.0

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	46.8	38.6	57.8

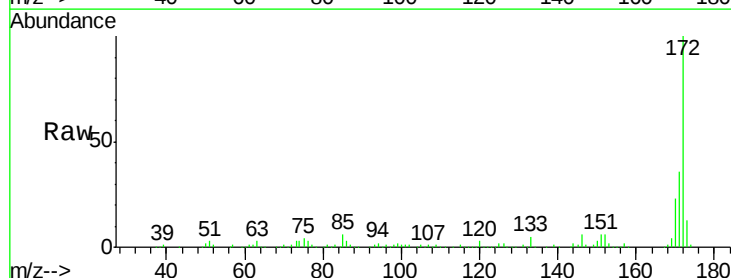


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

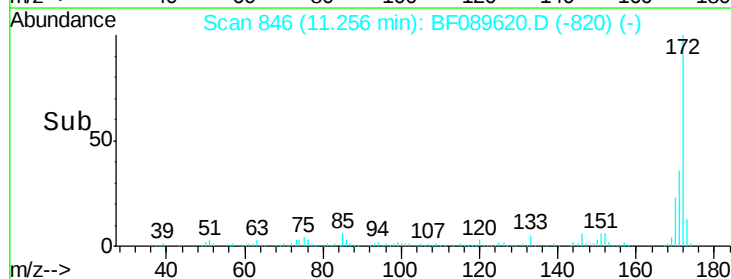
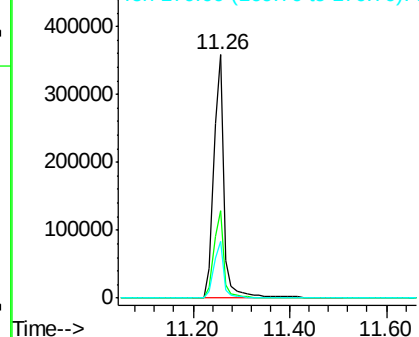


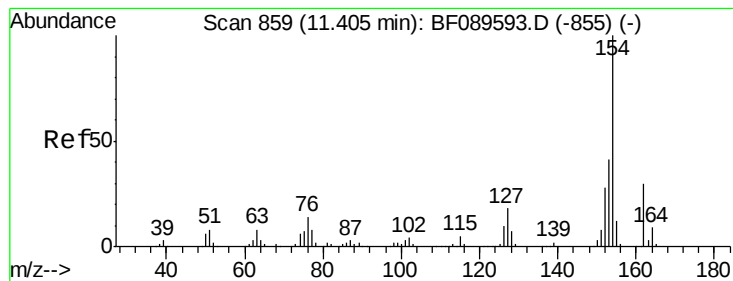
#44
 2-Fluorobiphenyl
 Concen: 78.74 ng
 RT: 11.26 min Scan# 846
 Delta R.T. 0.00 min
 Lab File: BF089620.D
 Acq: 5 Aug 2016 9:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.9	43.3
170	23.5	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: 0.10 ng

RT: 11.26 min Scan# 846

Delta R.T. -0.15 min

Lab File: BF089620.D

Acq: 5 Aug 2016 9:12

Instrument :

BNA_F

ClientSampleId :

GW-67-6.4-15.0

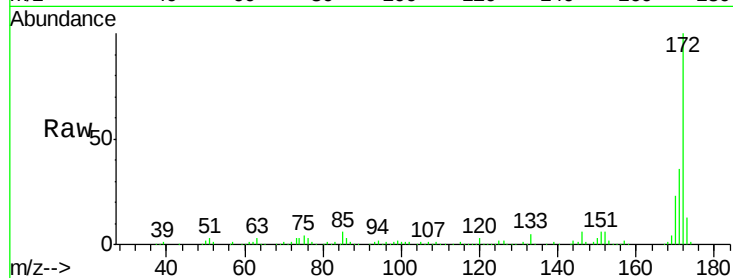
Tot Ion:154 Resp: 836

Ion Ratio Lower Upper

154 100

153 1012.4 20.6 60.6#

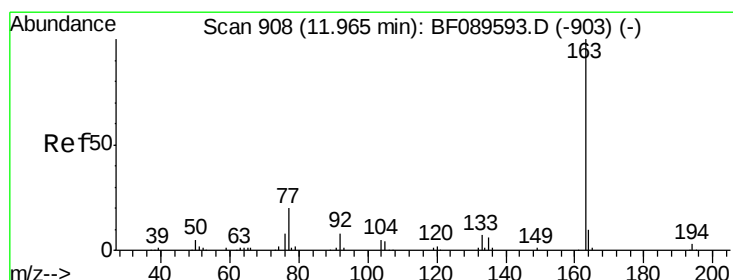
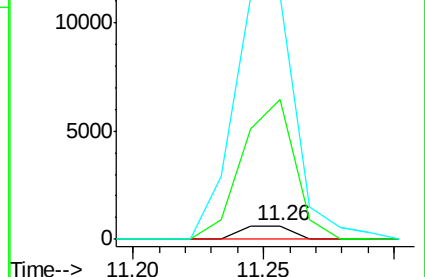
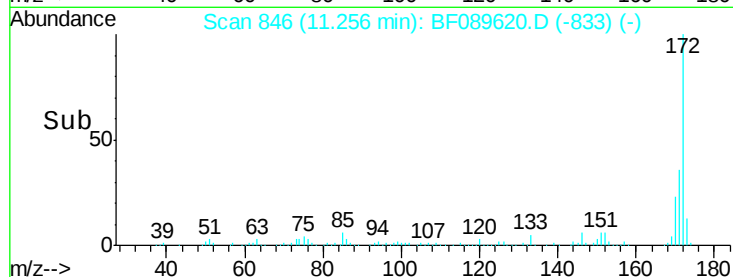
76 1760.0 0.0 33.7#



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: 1.29 ng

RT: 11.94 min Scan# 906

Delta R.T. -0.02 min

Lab File: BF089620.D

Acq: 5 Aug 2016 9:12

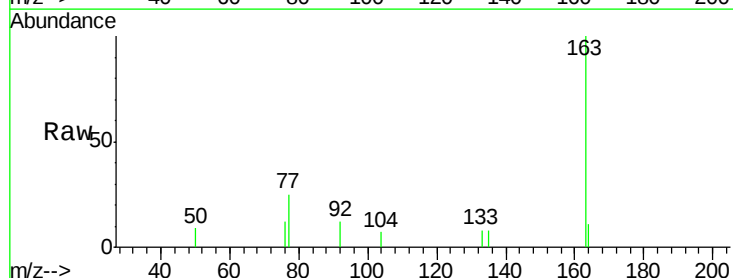
Tgt Ion:163 Resp: 9022

Ion Ratio Lower Upper

163 100

194 0.0 2.7 4.1#

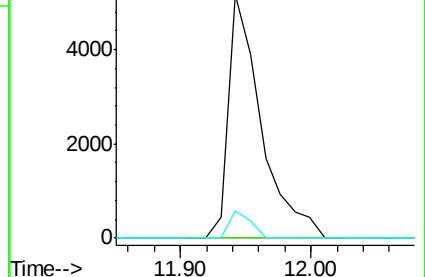
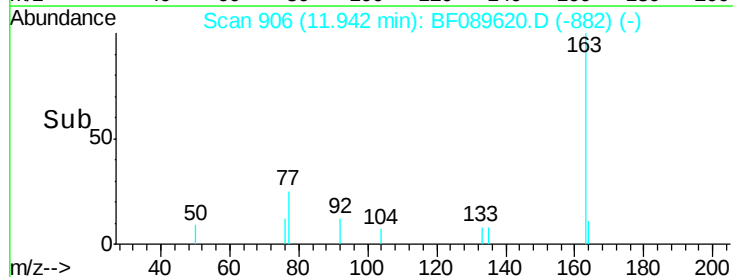
164 11.1 7.8 11.6

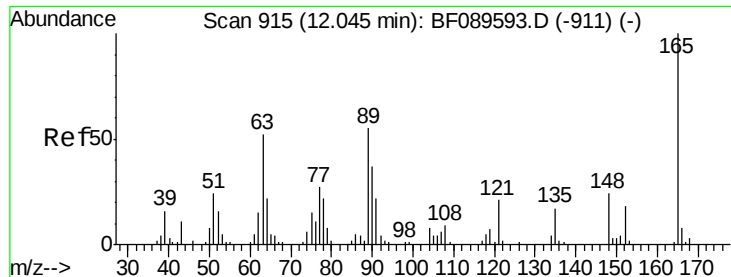


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

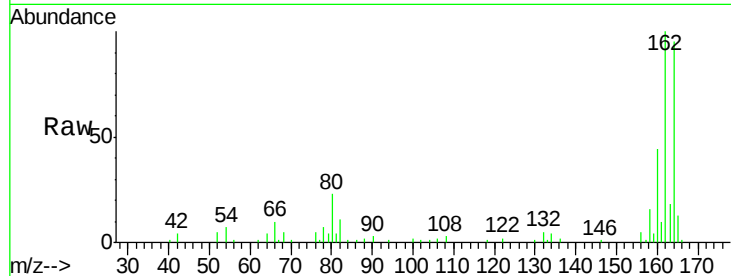




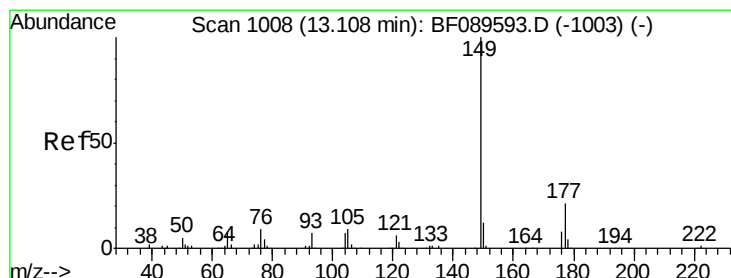
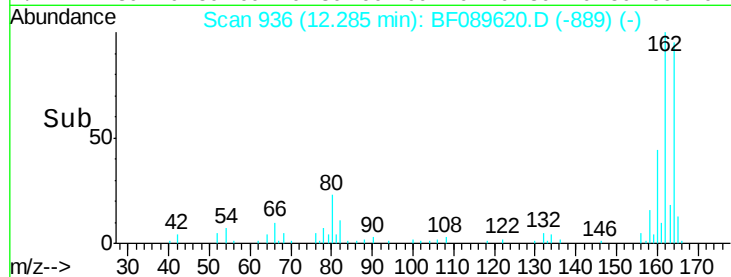
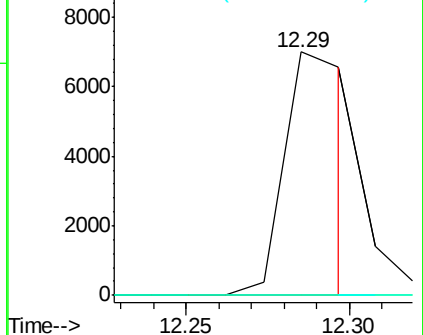
#50
 2,6-Dinitrotoluene
 Concen: 6.88 ng
 RT: 12.29 min Scan# 936
 Delta R.T. 0.24 min
 Lab File: BF089620.D
 Acq: 5 Aug 2016 9:12

Instrument :
 BNA_F
 ClientSampleId :
 GW-67-6.4-15.0

Tot Ion:165 Resp: 9567
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.6 67.0#
 89 0.0 44.2 66.2#

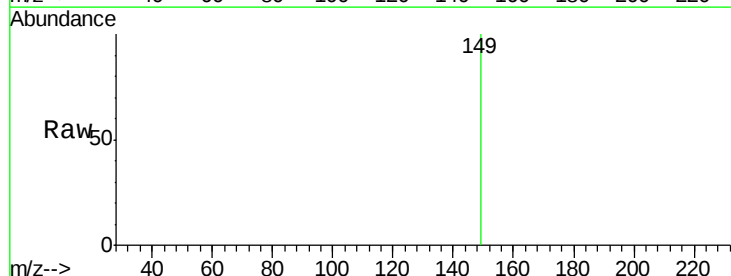


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

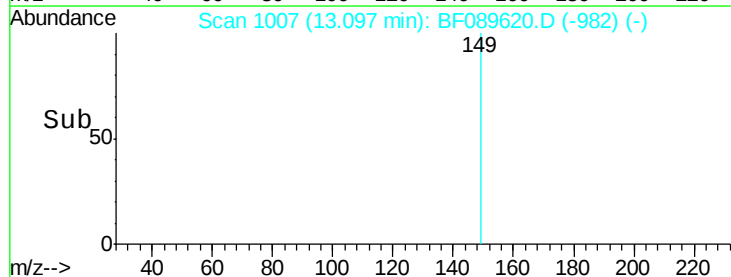
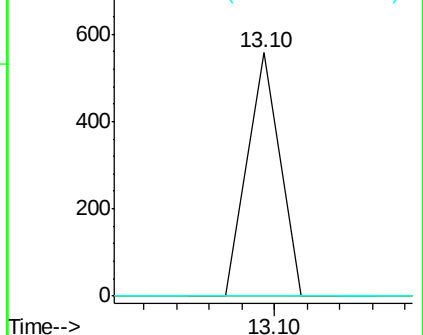


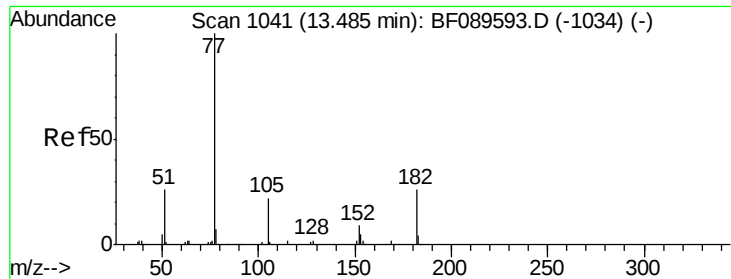
#59
 Diethylphthalate
 Concen: 0.05 ng
 RT: 13.10 min Scan# 1007
 Delta R.T. -0.01 min
 Lab File: BF089620.D
 Acq: 5 Aug 2016 9:12

Tgt Ion:149 Resp: 383
 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: 0.05 ng

RT: 13.58 min Scan# 1049

Delta R.T. 0.09 min

Lab File: BF089620.D

Acq: 5 Aug 2016 9:12

Instrument :

BNA_F

ClientSampleId :

GW-67-6.4-15.0

Tot Ion: 77 Resp: 345

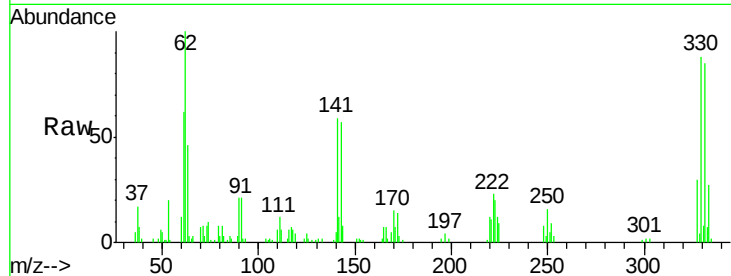
Ion Ratio Lower Upper

77 100

182 0.0 5.8 45.8#

105 81.9 2.9 42.9#

51 82.7 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

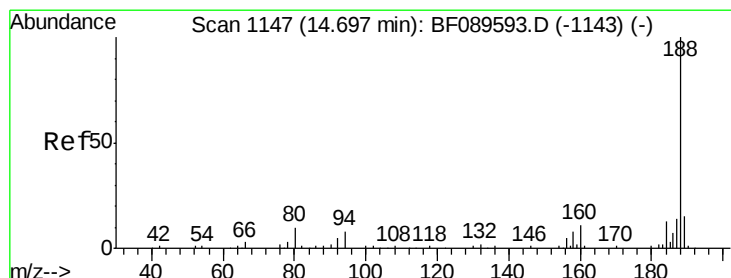
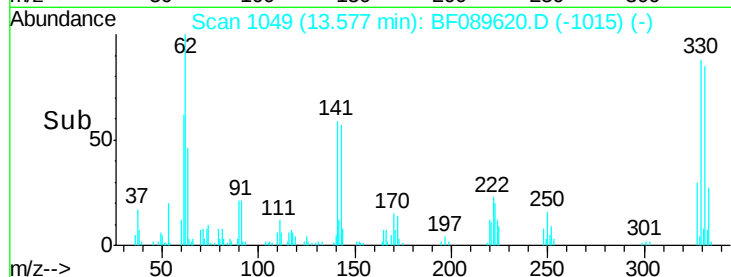
13.58

400

200

0

Time--> 13.55 13.60



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.69 min Scan# 1146

Delta R.T. -0.01 min

Lab File: BF089620.D

Acq: 5 Aug 2016 9:12

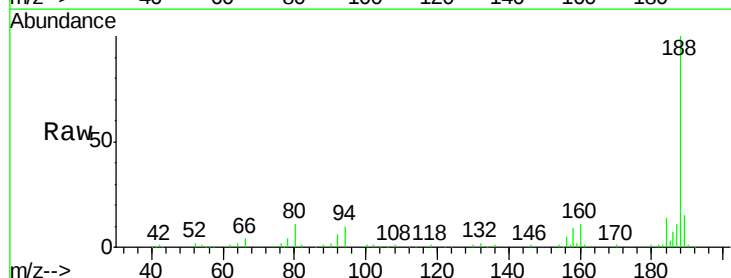
Tgt Ion: 188 Resp: 169851

Ion Ratio Lower Upper

188 100

94 10.0 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

14.69

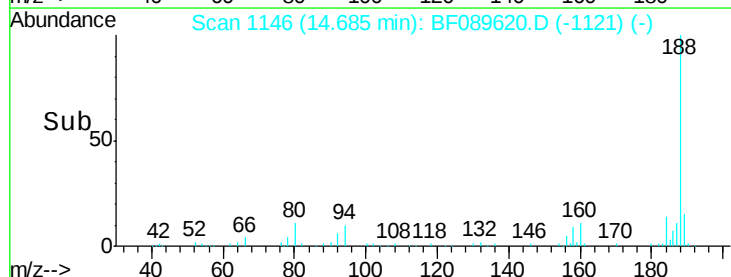
150000

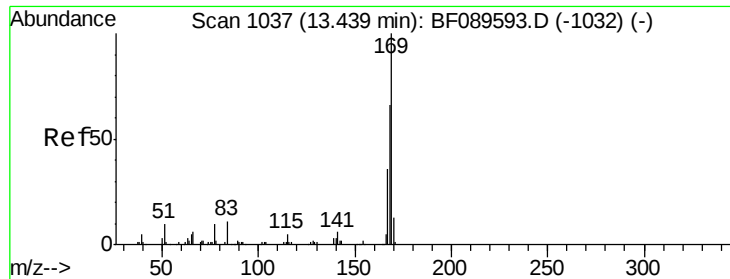
100000

50000

0

Time--> 14.60 14.80 15.00

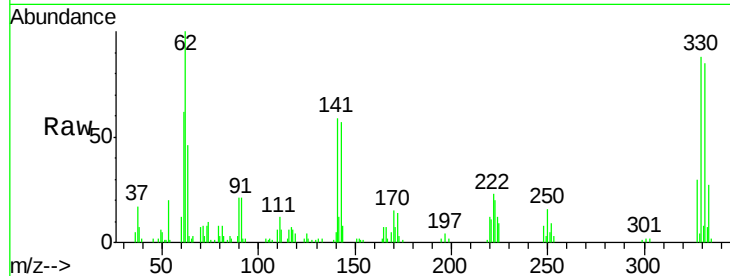




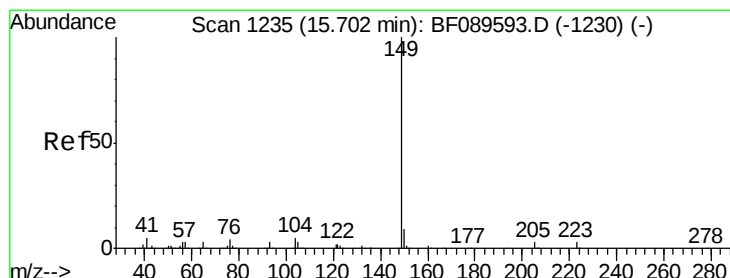
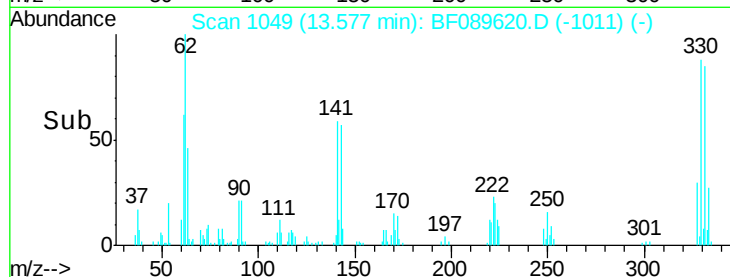
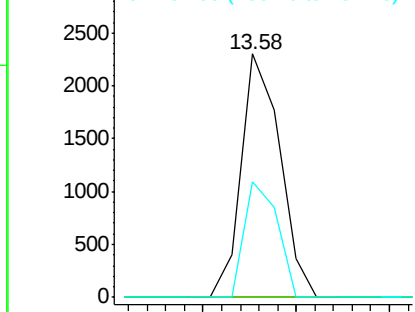
#65
n-Nitrosodiphenylamine
Concen: 0.58 ng
RT: 13.58 min Scan# 1049
Delta R.T. 0.14 min
Lab File: BF089620.D
Acq: 5 Aug 2016 9:12

Instrument :
BNA_F
ClientSampleId :
GW-67-6.4-15.0

Tot Ion:169 Resp: 3322
Ion Ratio Lower Upper
169 100
168 0.0 54.2 81.2#
167 47.3 28.9 43.3#

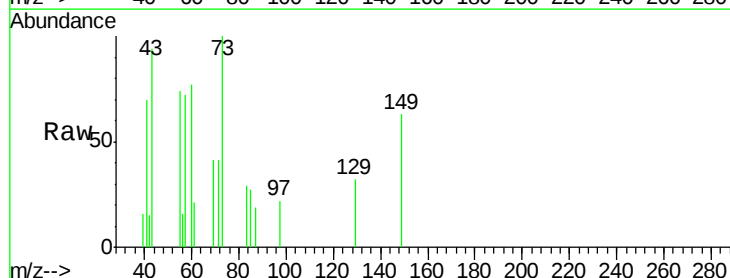


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

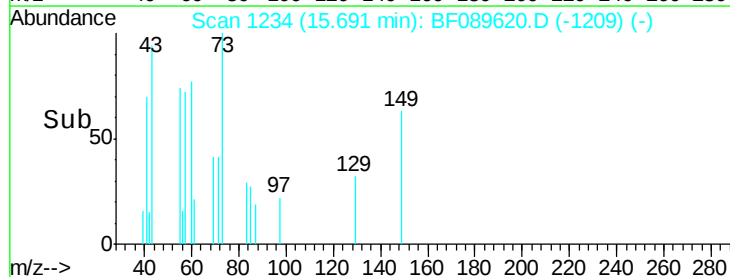
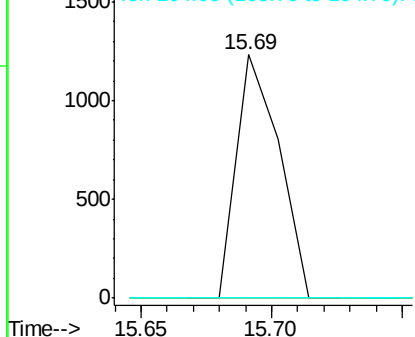


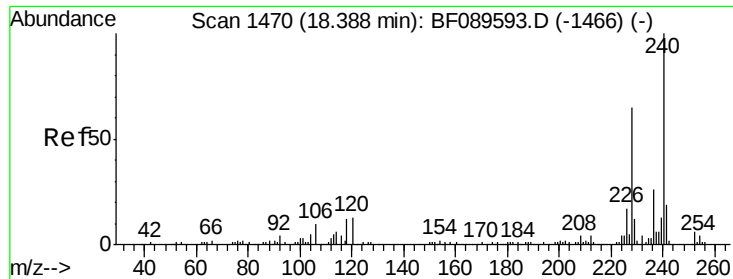
#73
Di-n-butylphthalate
Concen: 0.13 ng
RT: 15.69 min Scan# 1234
Delta R.T. -0.01 min
Lab File: BF089620.D
Acq: 5 Aug 2016 9:12

Tgt Ion:149 Resp: 1400
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

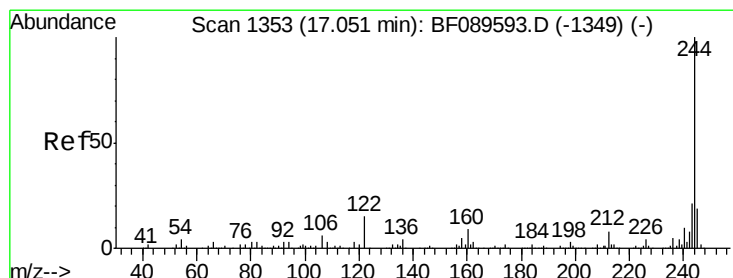
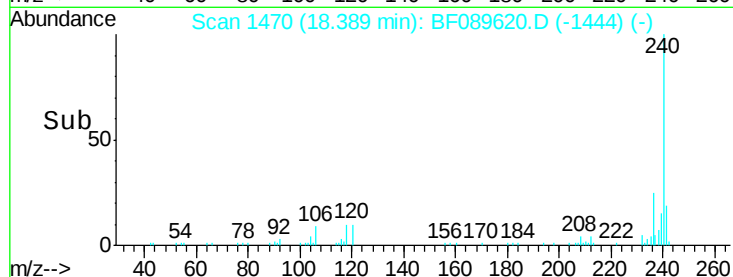
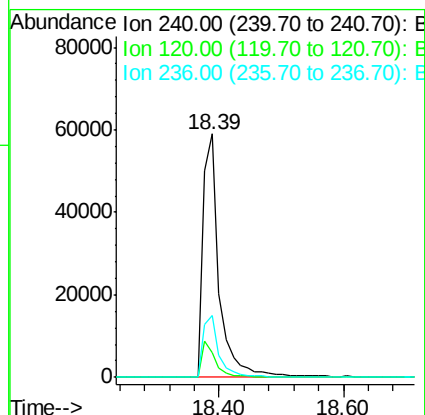
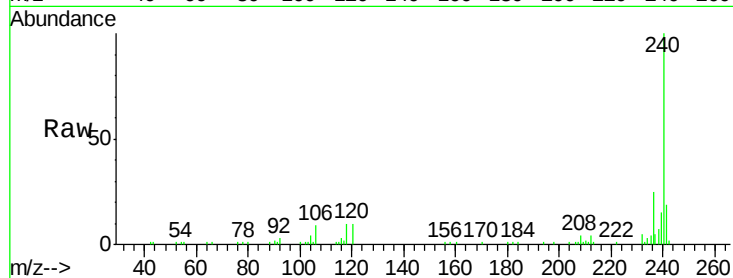




#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.39 min Scan# 1470
Delta R.T. 0.00 min
Lab File: BF089620.D
Acq: 5 Aug 2016 9:12

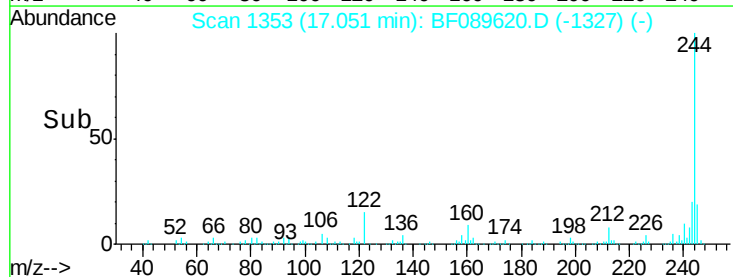
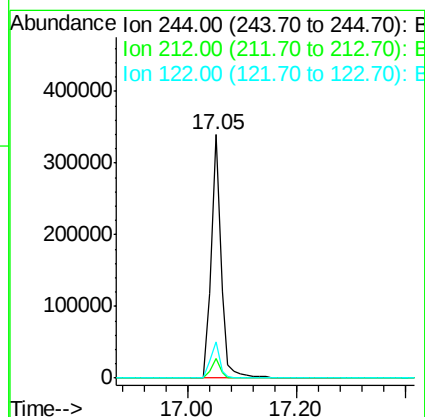
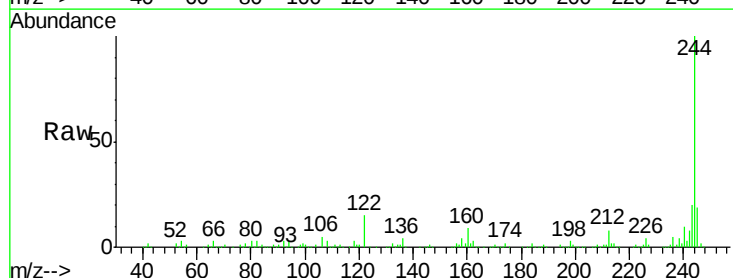
Instrument :
BNA_F
ClientSampleId :
GW-67-6.4-15.0

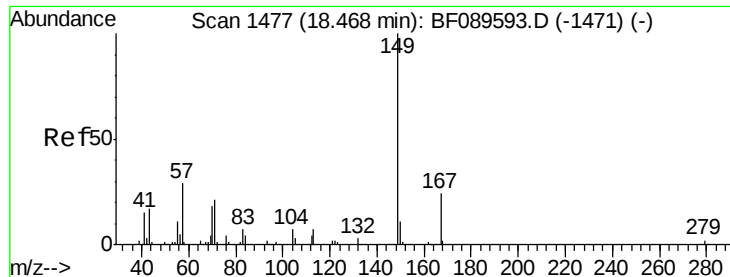
Tot Ion:240 Resp: 107097
Ion Ratio Lower Upper
240 100
120 10.0 10.6 15.8#
236 25.3 20.6 30.8



#78
Terphenyl-d14
Concen: 80.32 ng
RT: 17.05 min Scan# 1353
Delta R.T. 0.00 min
Lab File: BF089620.D
Acq: 5 Aug 2016 9:12

Tgt Ion:244 Resp: 435727
Ion Ratio Lower Upper
244 100
212 7.9 6.4 9.6
122 14.6 12.2 18.2

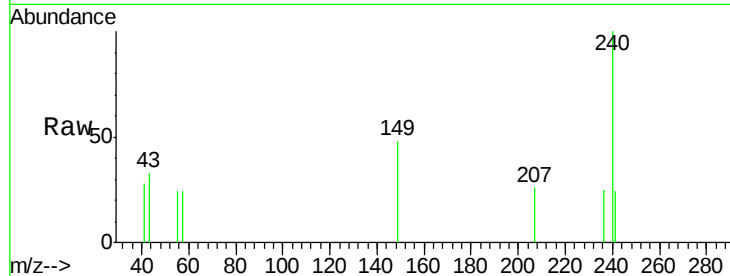




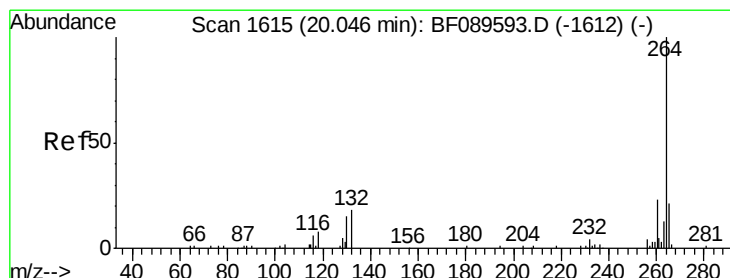
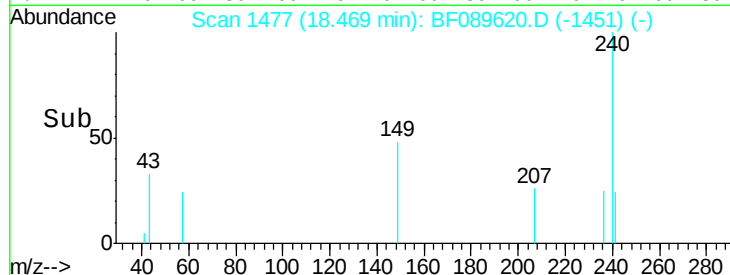
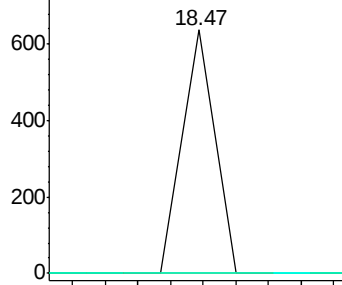
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.08 ng
 RT: 18.47 min Scan# 1477
 Delta R.T. 0.00 min
 Lab File: BF089620.D
 Acq: 5 Aug 2016 9:12

Instrument :
 BNA_F
 ClientSampleId :
 GW-67-6.4-15.0

Tot Ion:149 Resp: 438
 Ion Ratio Lower Upper
 149 100
 167 0.0 19.0 28.4#
 279 0.0 1.8 2.6#

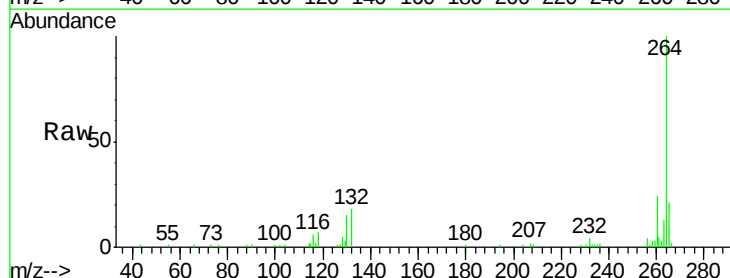


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.05 min Scan# 1615
 Delta R.T. 0.00 min
 Lab File: BF089620.D
 Acq: 5 Aug 2016 9:12

Tgt Ion:264 Resp: 78812
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.7 28.1
 265 20.6 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

