

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092017\
 Data File : BG028857.D
 Acq On : 21 Sep 2017 14:22
 Operator : SJ/JU
 Sample : I5288-02
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 21 15:42:37 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 21 12:57:55 2017
 Response via : Initial Calibration

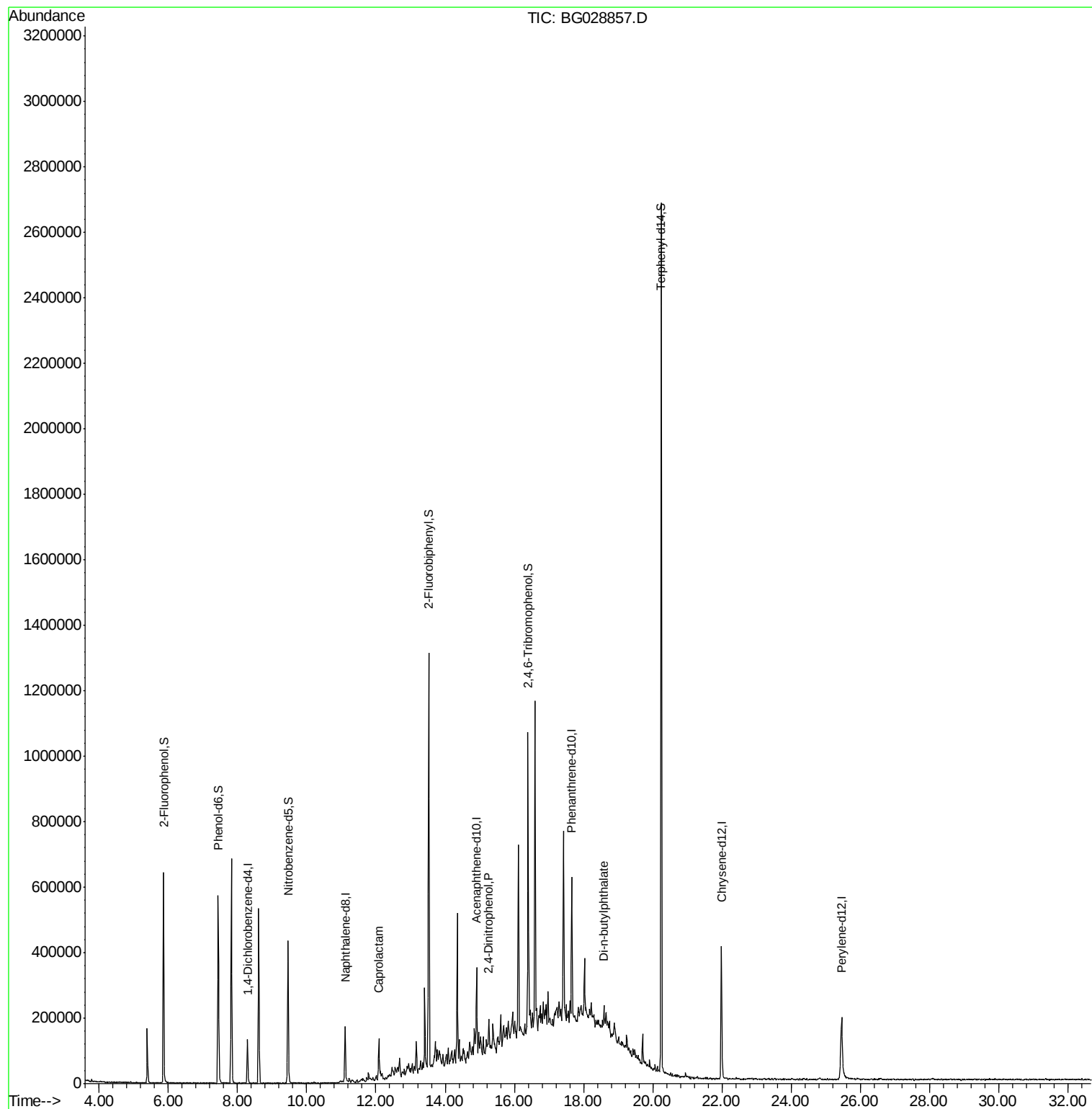
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.29	152	34928	20.00	ng	0.00
21) Naphthalene-d8	11.11	136	145209	20.00	ng	0.00
38) Acenaphthene-d10	14.90	164	99049	20.00	ng	0.00
63) Phenanthrene-d10	17.66	188	252376	20.00	ng	0.00
75) Chrysene-d12	21.98	240	297781	20.00	ng	-0.01
86) Perylene-d12	25.45	264	287674	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.86	112	278110	131.38	ng	0.00
7) Phenol-d6	7.44	99	339787	106.61	ng	0.00
23) Nitrobenzene-d5	9.46	82	274461	90.42	ng	0.00
41) 2,4,6-Tribromophenol	16.40	330	204896	125.07	ng	0.00
44) 2-Fluorobiphenyl	13.52	172	700743	94.34	ng	0.00
78) Terphenyl-d14	20.25	244	1283232	91.90	ng	0.00
Target Compounds						
35) Caprolactam	12.08	113	4594	4.924	ng	# 54
53) 2,4-Dinitrophenol	15.26	184	75	8.071	ng	# 5
73) Di-n-butylphthalate	18.59	149	39268	2.727	ng	# 92

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.29 min Scan# 800

Delta R.T. 0.00 min

Lab File: BG028857.D

Acq: 21 Sep 2017 14:22

Instrument :

BNA_G

ClientSampleId :

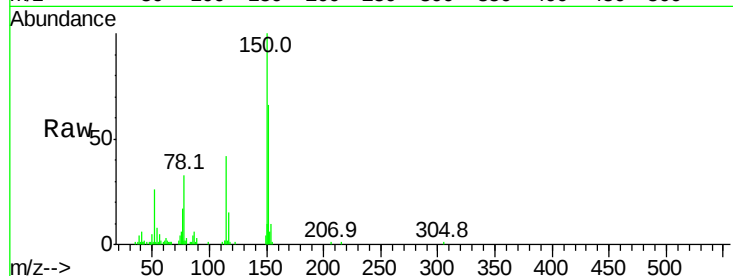
Tot Ion:152 Resp: 34928

Ion Ratio Lower Upper

152 100

150 151.7 114.0 171.0

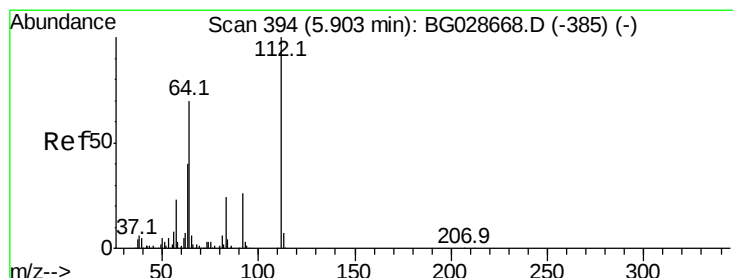
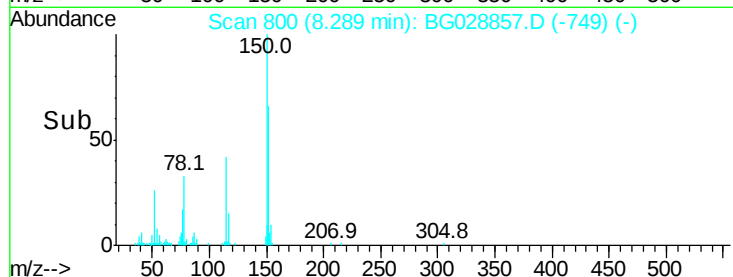
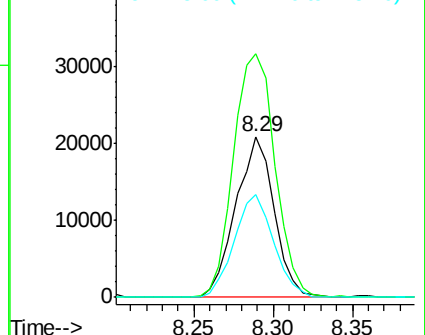
115 63.8 48.1 72.1



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: 131.383 ng

RT: 5.86 min Scan# 387

Delta R.T. 0.01 min

Lab File: BG028857.D

Acq: 21 Sep 2017 14:22

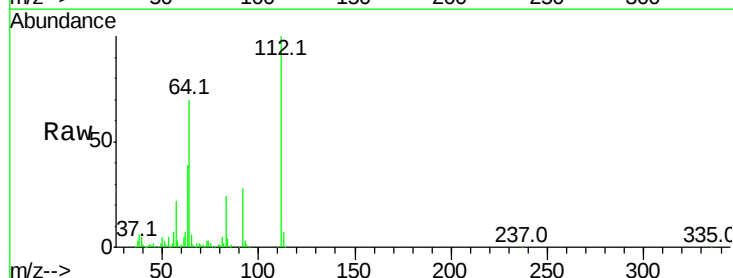
Tgt Ion:112 Resp: 278110

Ion Ratio Lower Upper

112 100

64 70.1 61.8 92.6

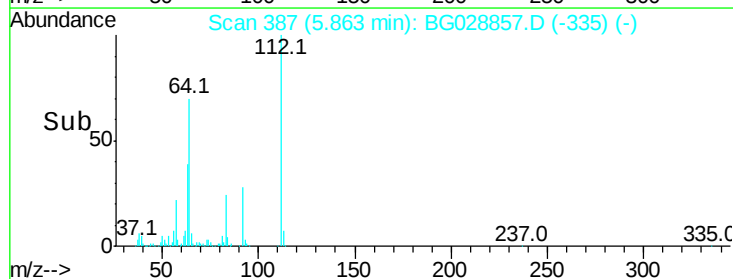
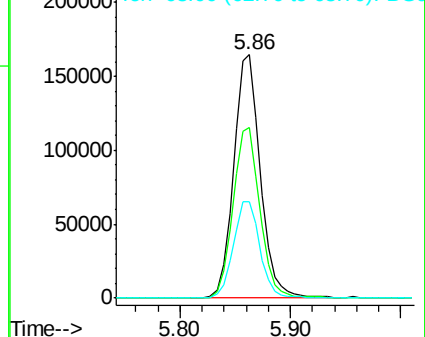
63 39.5 37.2 55.8

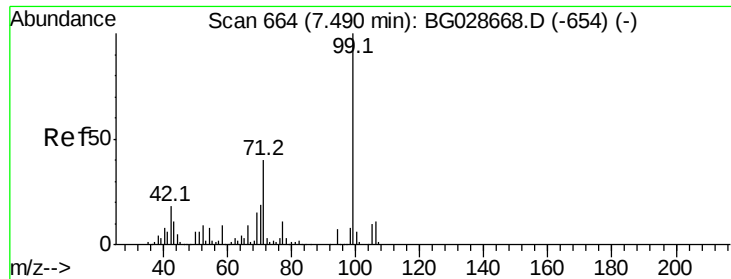


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 106.614 ng

RT: 7.44 min Scan# 656

Delta R.T. 0.00 min

Lab File: BG028857.D

Acq: 21 Sep 2017 14:22

Instrument :

BNA_G

ClientSampled :

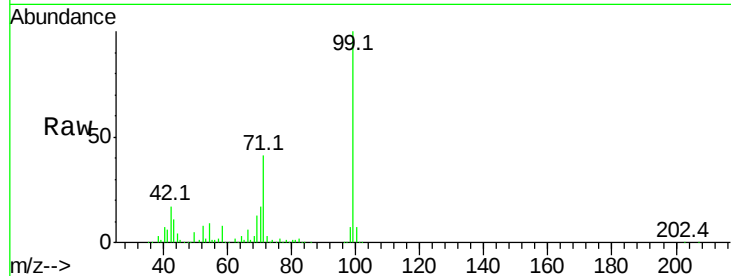
Tot Ion: 99 Resp: 339787

Ion Ratio Lower Upper

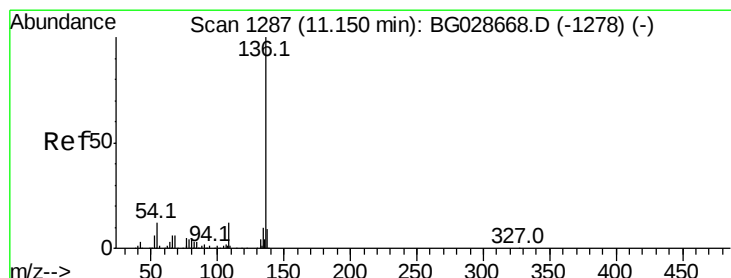
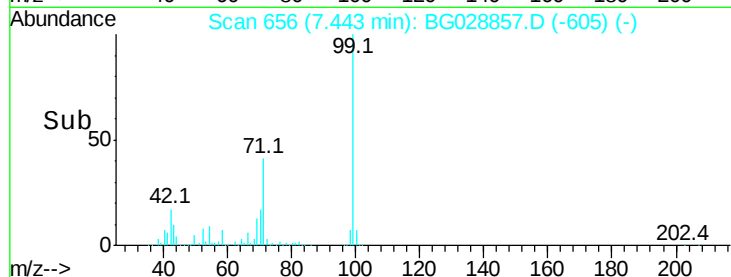
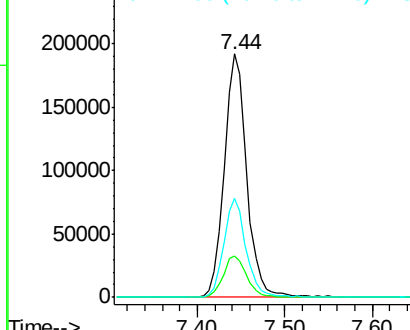
99 100

42 17.2 20.5 30.7#

71 40.7 37.6 56.4



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.11 min Scan# 1280

Delta R.T. 0.00 min

Lab File: BG028857.D

Acq: 21 Sep 2017 14:22

Tgt Ion: 136 Resp: 145209

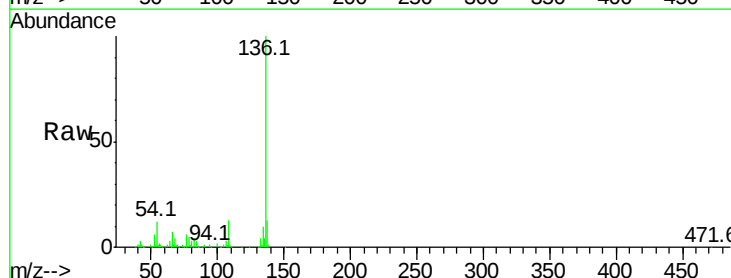
Ion Ratio Lower Upper

136 100

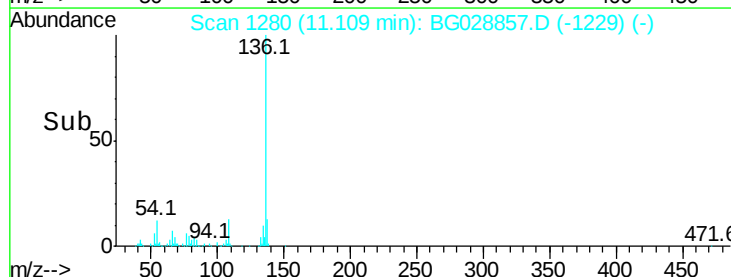
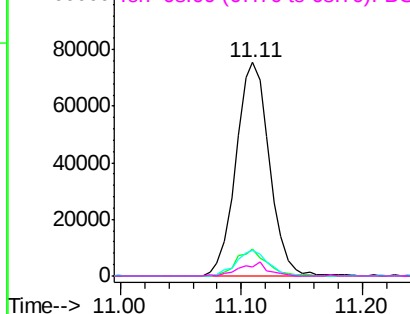
137 12.8 8.9 13.3

54 11.9 9.3 13.9

68 4.3 5.1 7.7#



Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

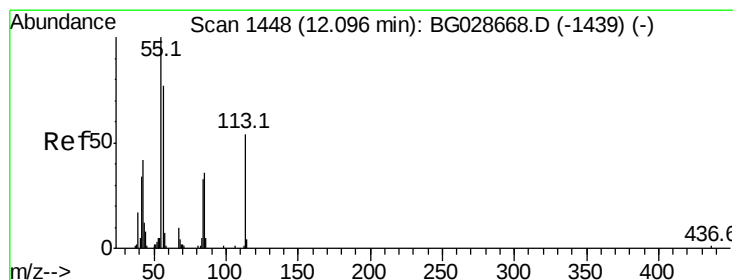
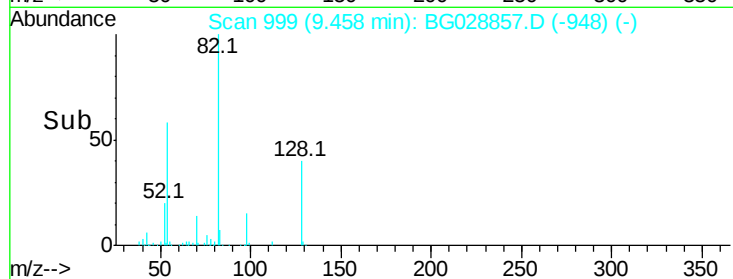
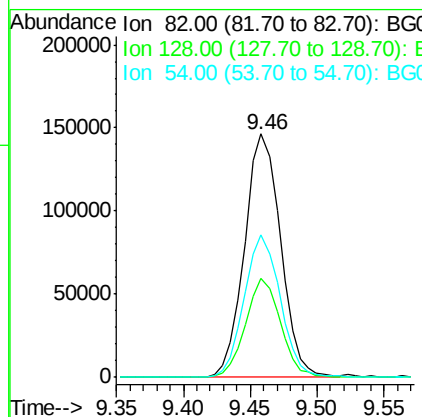
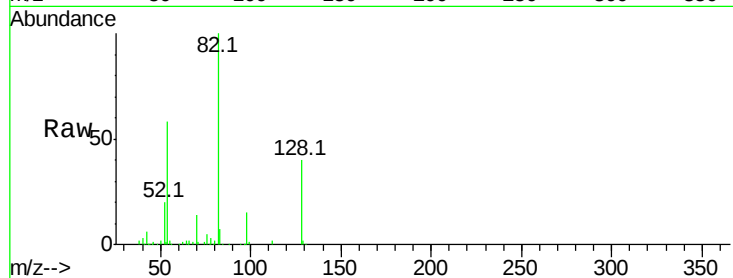




#23
 Nitrobenzene-d5
 Concen: 90.418 ng
 RT: 9.46 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: BG028857.D
 Acq: 21 Sep 2017 14:22

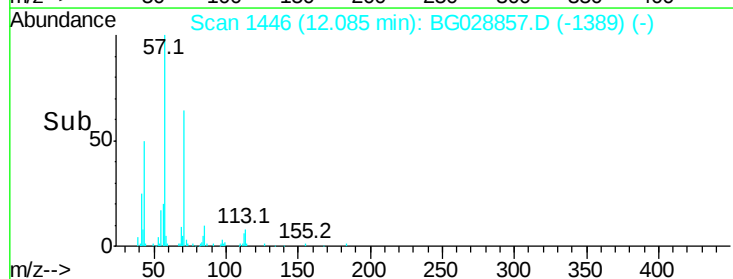
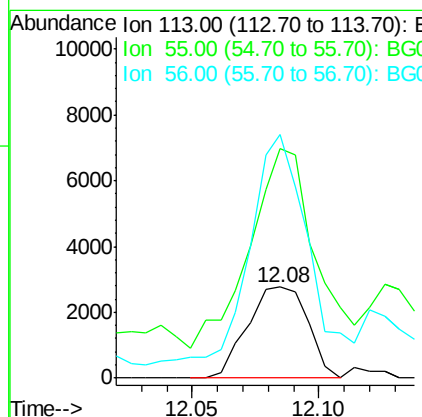
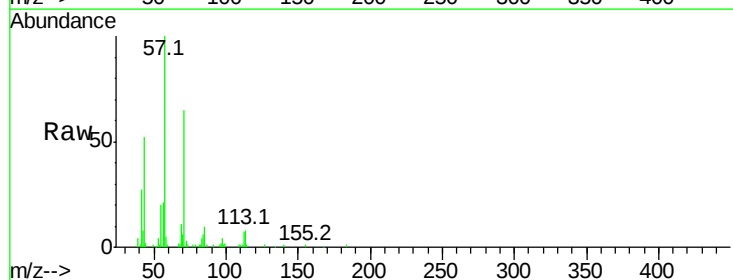
Instrument :
 BNA_G
 ClientSampleId :

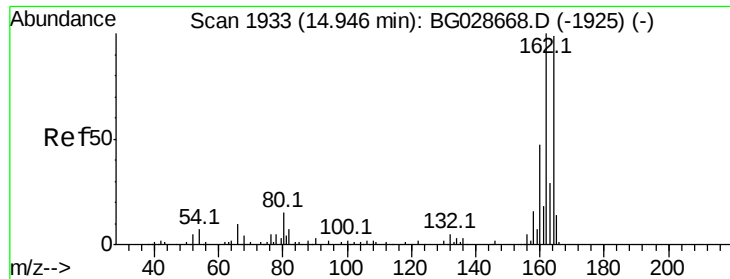
Tot Ion	82	Resp	274461
Ion Ratio	100	Lower	Upper
128	40.5	26.4	39.6#
54	58.4	49.4	74.2



#35
 Caprolactam
 Concen: 4.924 ng
 RT: 12.08 min Scan# 1446
 Delta R.T. 0.04 min
 Lab File: BG028857.D
 Acq: 21 Sep 2017 14:22

Tgt Ion	113	Resp	4594
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
55	252.5	198.6	238.6#
56	267.5	140.4	180.4#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.90 min Scan# 1926

Delta R.T. -0.00 min

Lab File: BG028857.D

Acq: 21 Sep 2017 14:22

Instrument :

BNA_G

ClientSampleId :

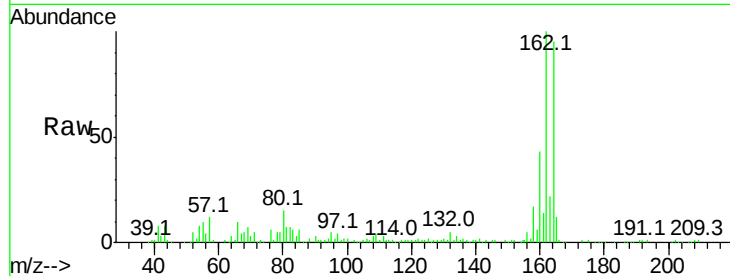
Tot Ion:164 Resp: 99049

Ion Ratio Lower Upper

164 100

162 105.0 85.1 127.7

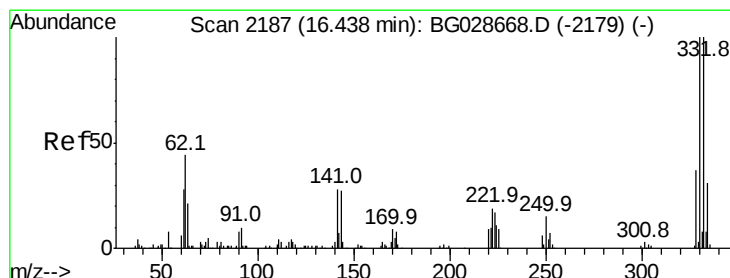
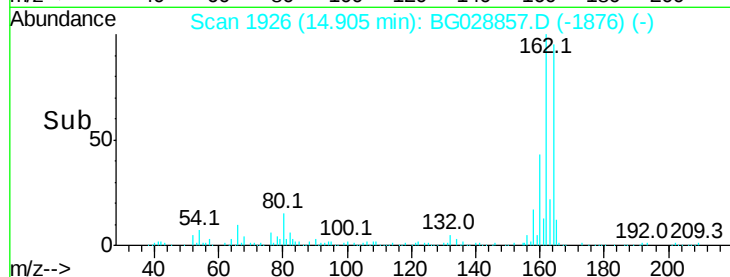
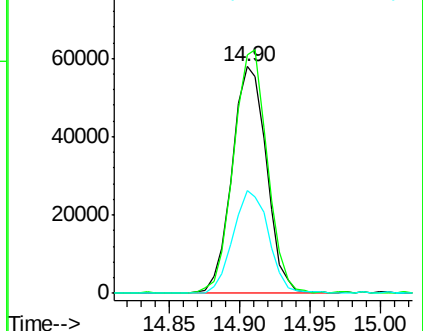
160 45.3 34.7 52.1



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: 125.073 ng

RT: 16.40 min Scan# 2181

Delta R.T. 0.01 min

Lab File: BG028857.D

Acq: 21 Sep 2017 14:22

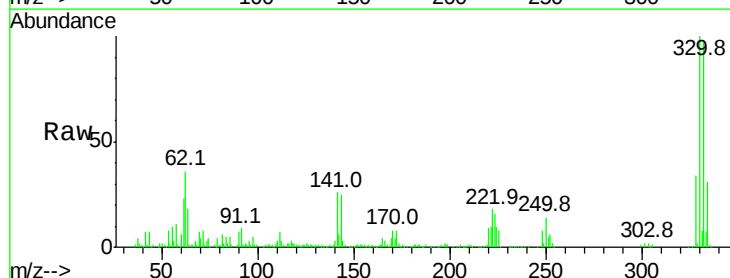
Tgt Ion:330 Resp: 204896

Ion Ratio Lower Upper

330 100

332 98.1 77.3 115.9

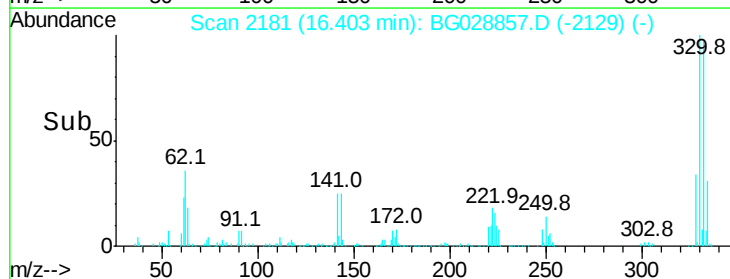
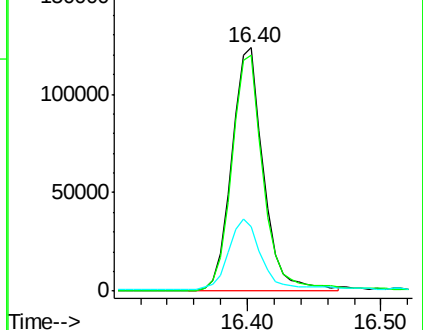
141 31.6 32.1 48.1#

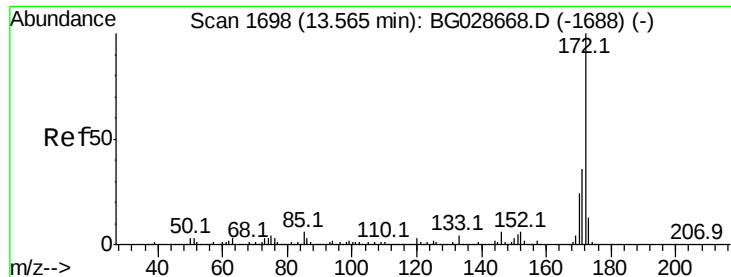


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

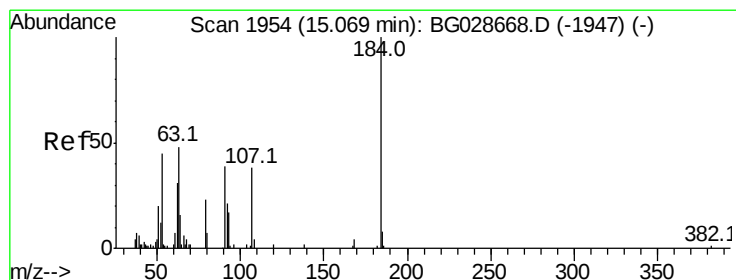
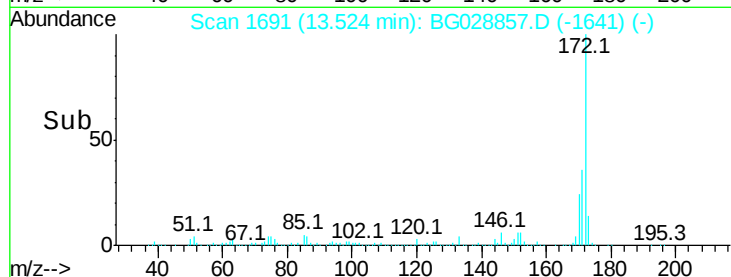
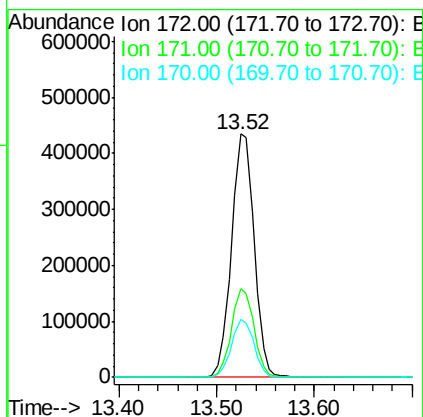
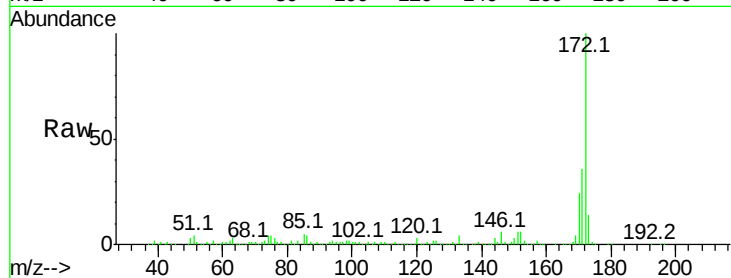




#44
 2-Fluorobiphenyl
 Concen: 94.336 ng
 RT: 13.52 min Scan# 1691
 Delta R.T. -0.00 min
 Lab File: BG028857.D
 Acq: 21 Sep 2017 14:22

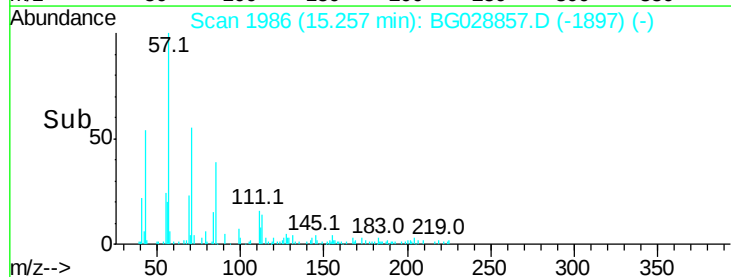
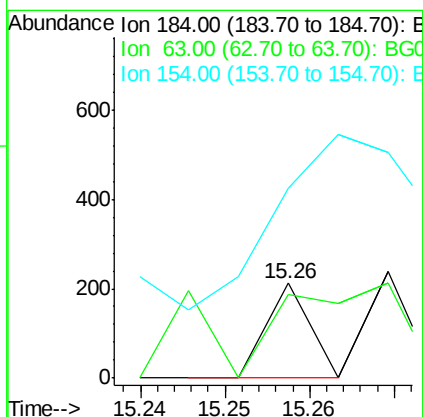
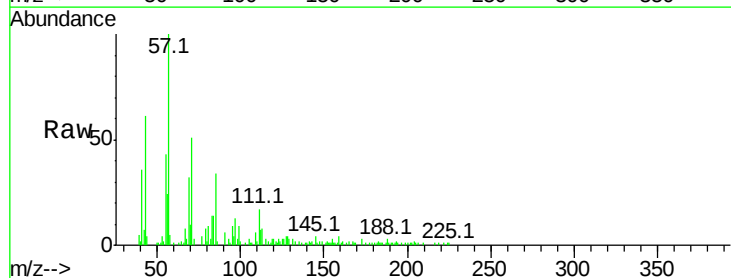
Instrument :
 BNA_G
 ClientSampled :

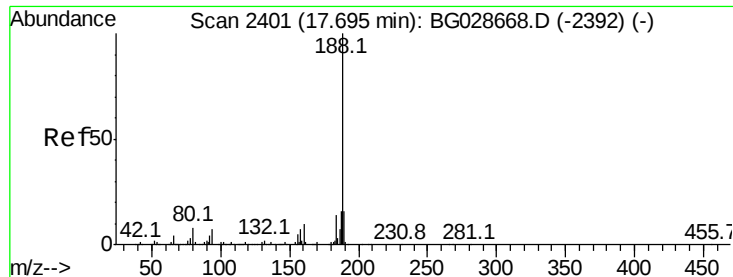
Tot Ion:172 Resp: 700743
 Ion Ratio Lower Upper
 172 100
 171 36.4 32.2 48.2
 170 23.7 21.8 32.6



#53
 2,4-Dinitrophenol
 Concen: 8.071 ng
 RT: 15.26 min Scan# 1986
 Delta R.T. 0.22 min
 Lab File: BG028857.D
 Acq: 21 Sep 2017 14:22

Tgt Ion:184 Resp: 75
 Ion Ratio Lower Upper
 184 100
 63 88.7 52.7 79.1#
 154 200.5 57.3 85.9#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.66 min Scan# 2395

Delta R.T. 0.00 min

Lab File: BG028857.D

Acq: 21 Sep 2017 14:22

Instrument :

BNA_G

ClientSampleId :

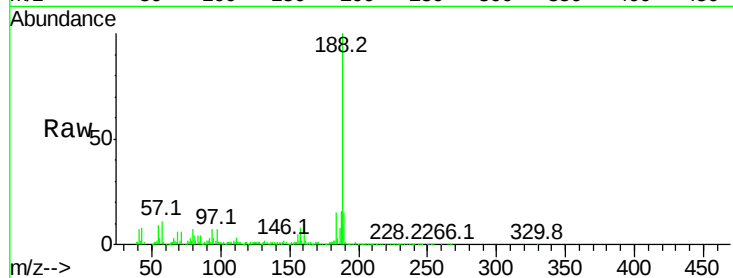
Tot Ion:188 Resp: 252376

Ion Ratio Lower Upper

188 100

94 6.5 5.8 8.8

80 6.7 7.5 11.3#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

17.66

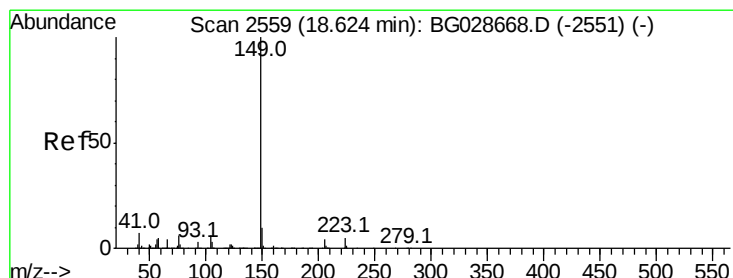
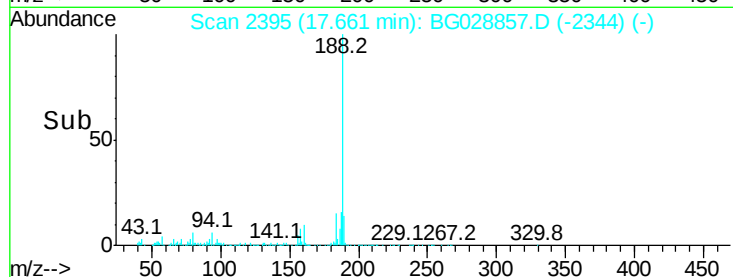
150000

100000

50000

0

Time-->



#73

Di-n-butylphthalate

Concen: 2.727 ng

RT: 18.59 min Scan# 2553

Delta R.T. -0.00 min

Lab File: BG028857.D

Acq: 21 Sep 2017 14:22

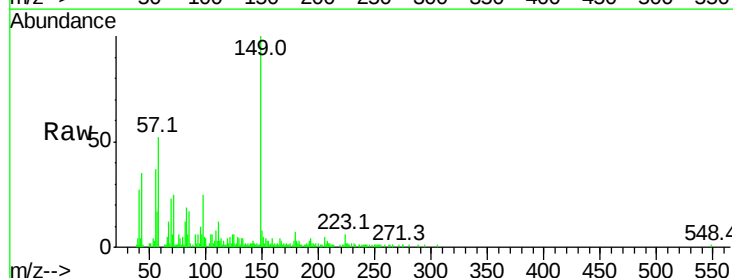
Tgt Ion:149 Resp: 39268

Ion Ratio Lower Upper

149 100

150 8.2 9.1 13.7#

104 5.5 6.7 10.1#



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

18.59

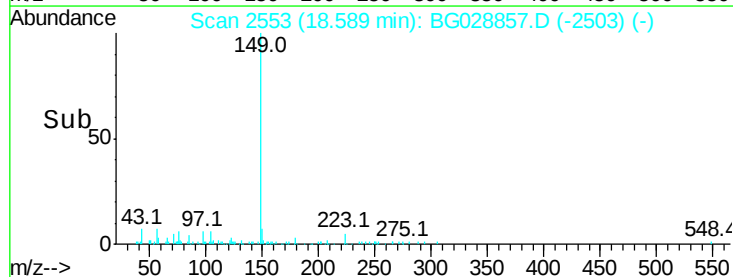
30000

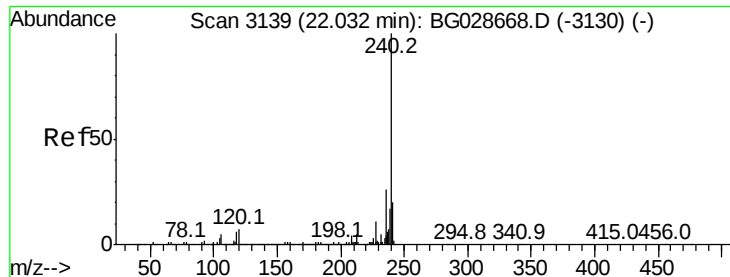
20000

10000

0

Time-->





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.98 min Scan# 3130

Delta R.T. -0.01 min

Lab File: BG028857.D

Acq: 21 Sep 2017 14:22

Instrument :

BNA_G

ClientSampleId :

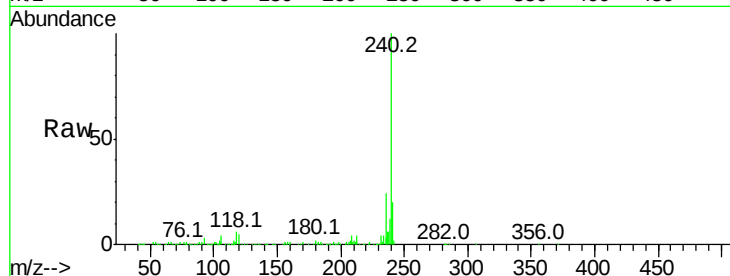
Tot Ion:240 Resp: 297781

Ion Ratio Lower Upper

240 100

120 4.6 5.7 8.5#

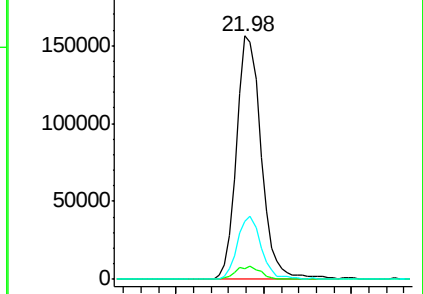
236 23.6 22.2 33.4



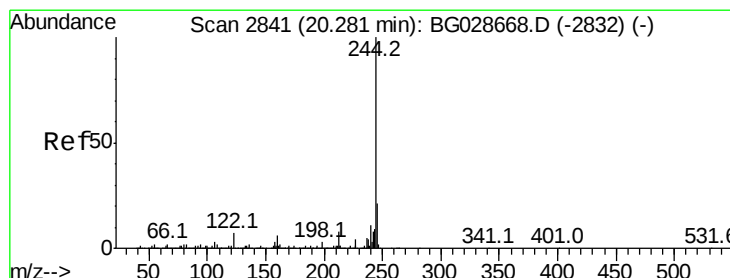
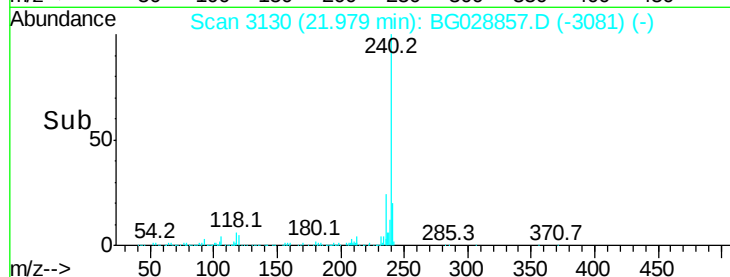
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#78

Terphenyl-d14

Concen: 91.899 ng

RT: 20.25 min Scan# 2835

Delta R.T. 0.00 min

Lab File: BG028857.D

Acq: 21 Sep 2017 14:22

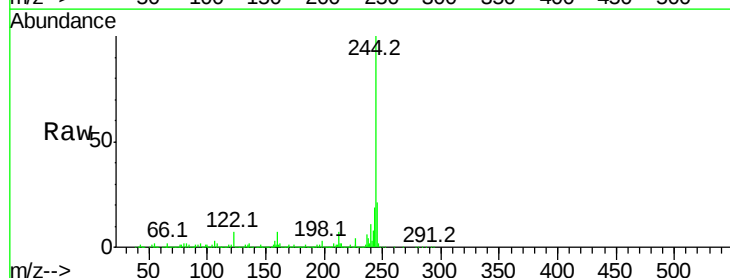
Tgt Ion:244 Resp: 1283232

Ion Ratio Lower Upper

244 100

212 7.5 10.0 15.0#

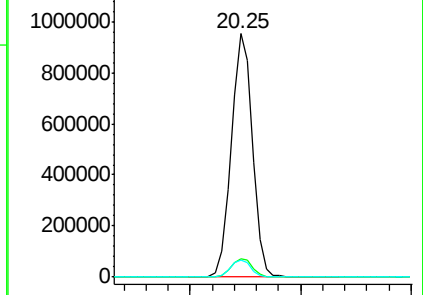
122 7.0 8.6 12.8#



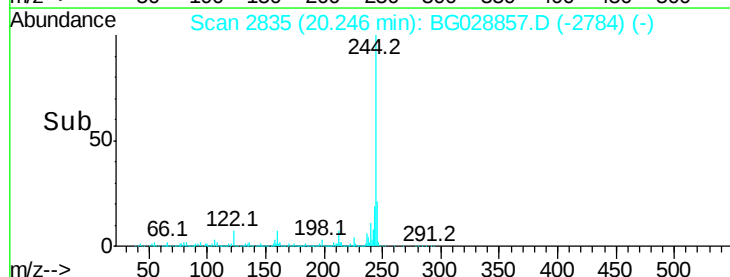
Abundance Ion 244.00 (243.70 to 244.70): E

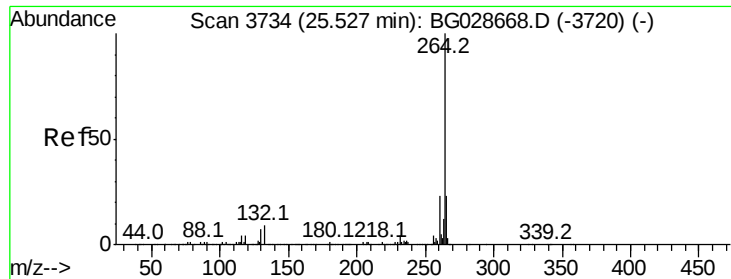
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.45 min Scan# 3721
 Delta R.T. -0.00 min
 Lab File: BG028857.D
 Acq: 21 Sep 2017 14:22

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	21.8	32.8
265	20.6	18.2	27.4

