

Data Path : Z:\HPCHEM1\BNA G\DATA\BG072916\
 Data File : BG023327.D
 Acq On : 29 Jul 2016 5:45
 Operator : UM/SJ
 Sample : H4213-12
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 L-1

Quant Time: Jul 29 07:52:53 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG072616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 27 17:30:33 2016
 Response via : Initial Calibration

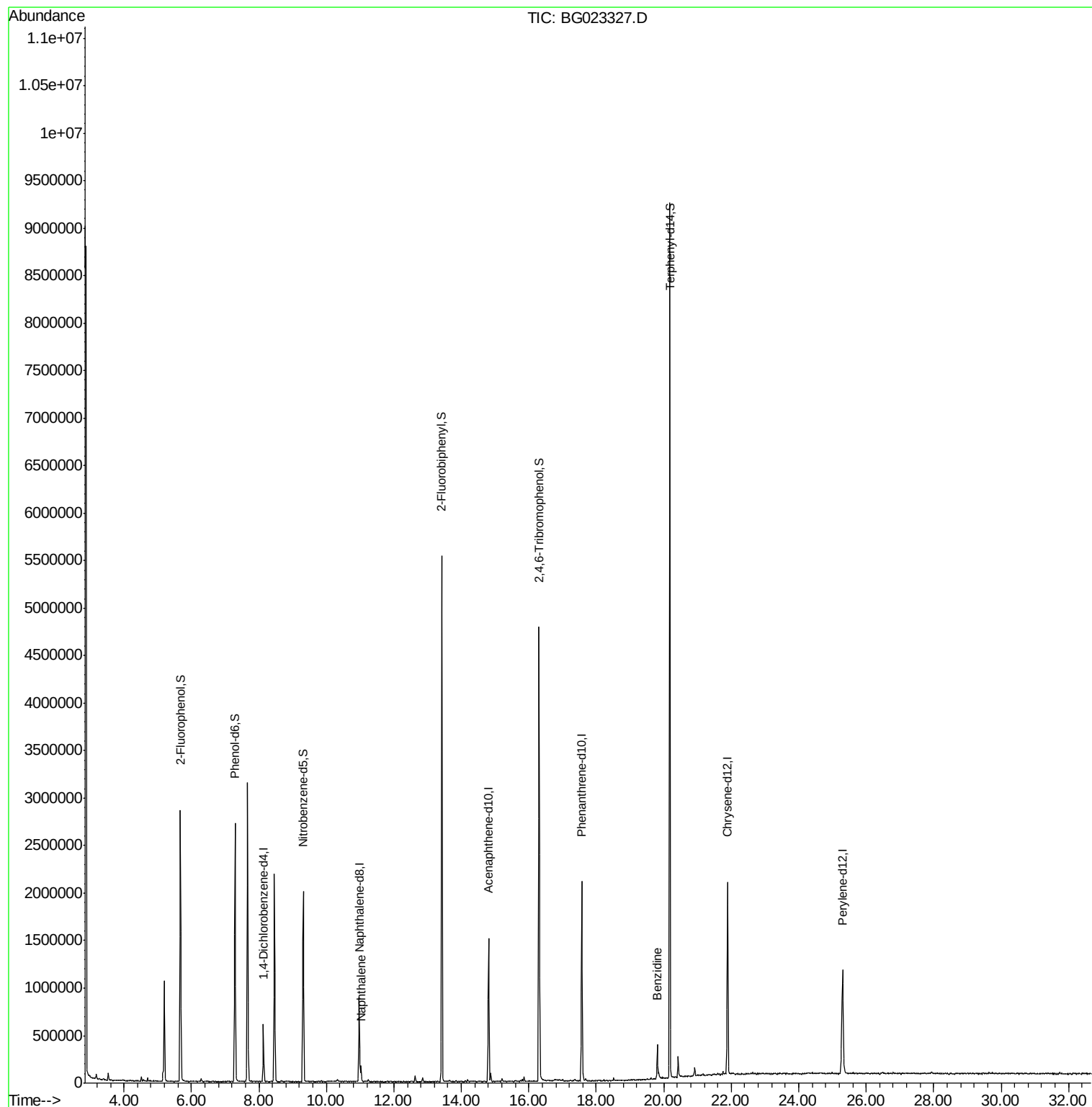
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	166000	20.00	ng	0.00
21) Naphthalene-d8	10.97	136	731203	20.00	ng	0.00
38) Acenaphthene-d10	14.81	164	522813	20.00	ng	0.00
63) Phenanthrene-d10	17.57	188	1216723	20.00	ng	0.00
75) Chrysene-d12	21.89	240	1246195	20.00	ng	0.00
86) Perylene-d12	25.30	264	1270163	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	1222751	125.75	ng	0.00
7) Phenol-d6	7.29	99	1670986	111.93	ng	0.00
23) Nitrobenzene-d5	9.31	82	1283623	85.85	ng	0.00
41) 2,4,6-Tribromophenol	16.31	330	878907	162.42	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	2612306	93.52	ng	0.00
78) Terphenyl-d14	20.18	244	3261524	85.08	ng	0.00
Target Compounds						
31) Naphthalene	11.02	128	139040	4.09	ng	97
76) Benzidine	19.81	184	265118	7.56	ng	96

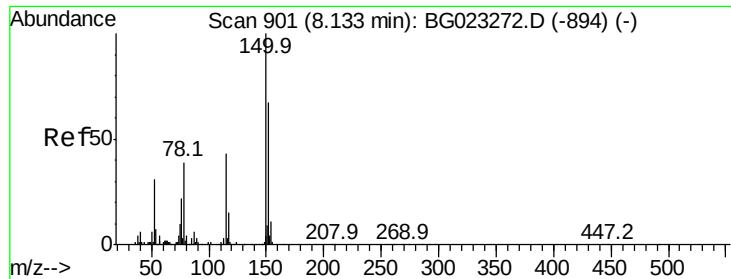
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.13 min Scan# 901

Delta R.T. -0.01 min

Lab File: BG023327.D

Acq: 29 Jul 2016 5:45

Instrument :

BNA_G

ClientSampleId :

L-1

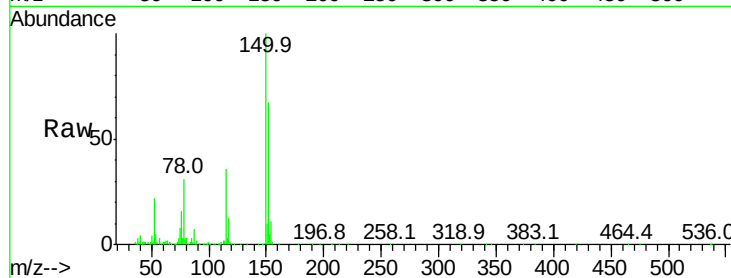
Tot Ion:152 Resp: 166000

Ion Ratio Lower Upper

152 100

150 150.2 144.7 217.1

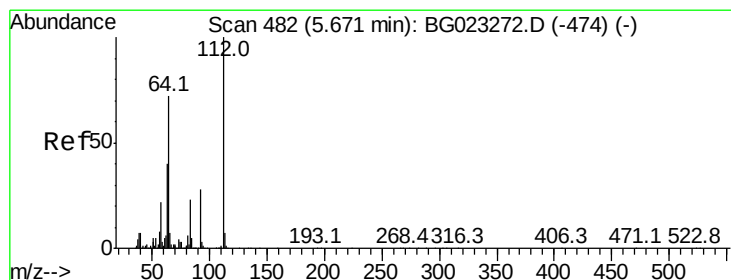
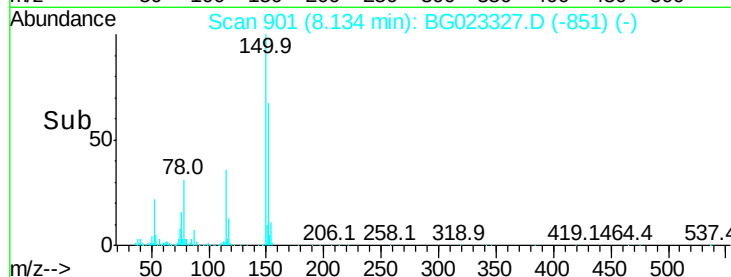
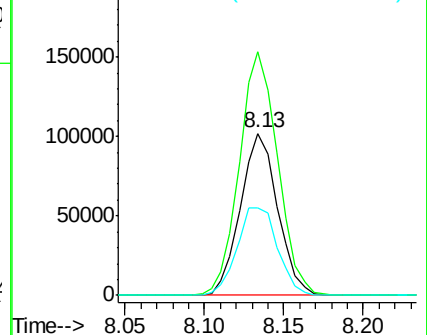
115 53.6 64.0 96.0#



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: 125.75 ng

RT: 5.67 min Scan# 482

Delta R.T. -0.00 min

Lab File: BG023327.D

Acq: 29 Jul 2016 5:45

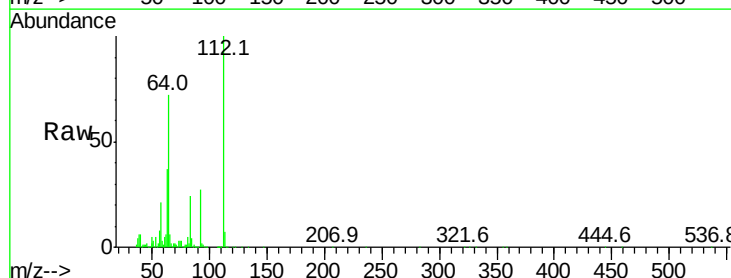
Tgt Ion:112 Resp: 1222751

Ion Ratio Lower Upper

112 100

64 71.7 59.0 88.4

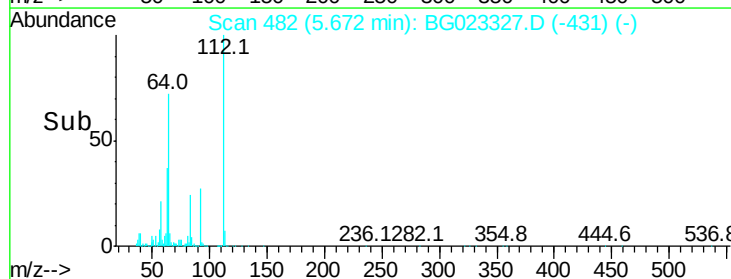
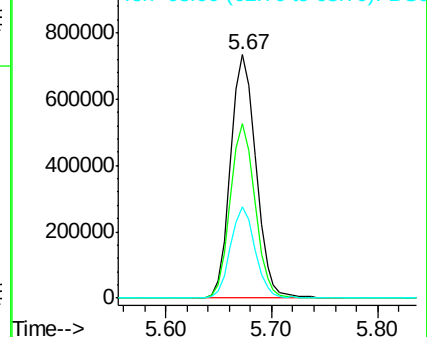
63 37.4 37.8 56.8#

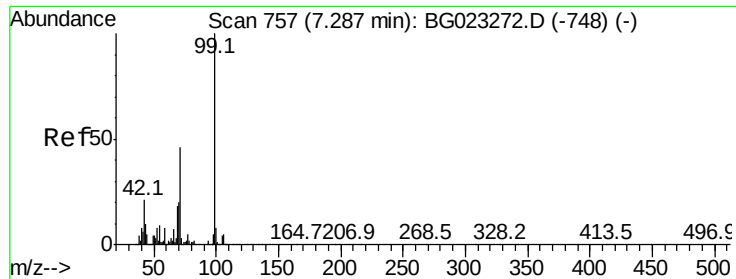


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 111.93 ng

RT: 7.29 min Scan# 757

Delta R.T. -0.00 min

Lab File: BG023327.D

Acq: 29 Jul 2016 5:45

Instrument :

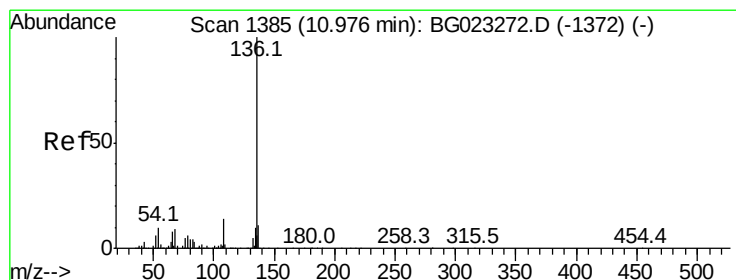
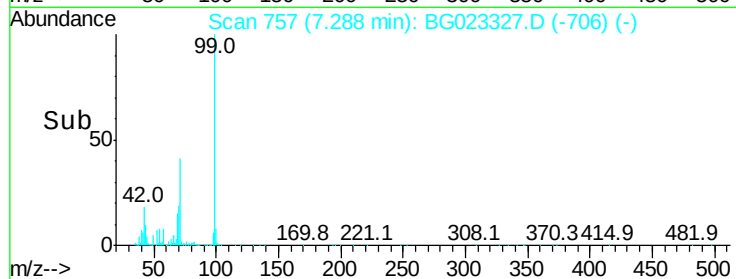
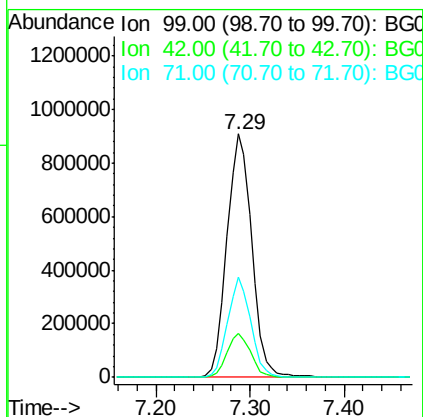
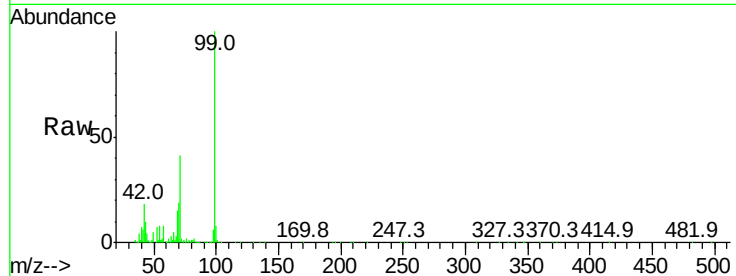
BNA_G

ClientSampleId :

L-1

Tot Ion: 99 Resp: 1670986

Ion	Ratio	Lower	Upper
99	100		
42	18.1	17.8	26.6
71	41.0	41.5	62.3#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.97 min Scan# 1384

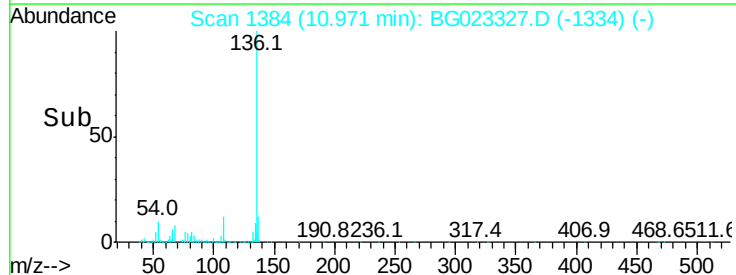
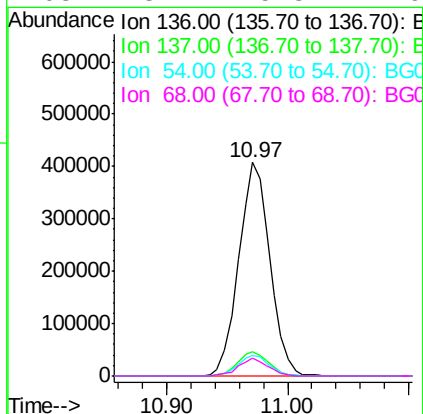
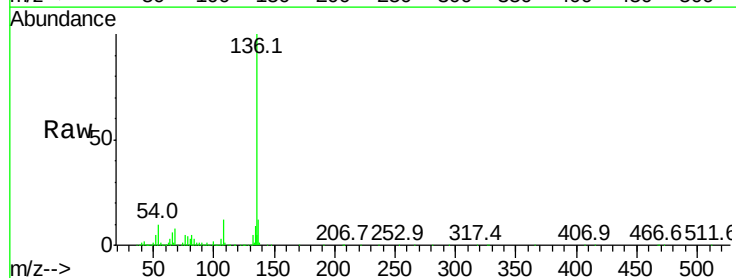
Delta R.T. -0.01 min

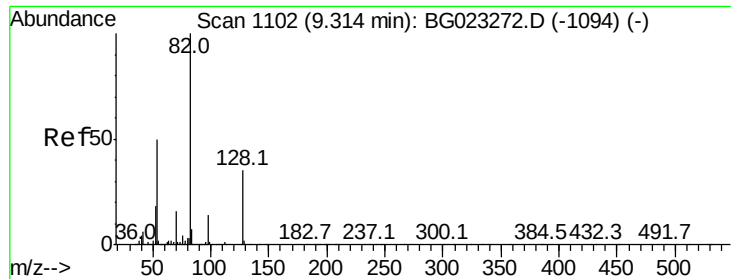
Lab File: BG023327.D

Acq: 29 Jul 2016 5:45

Tgt Ion: 136 Resp: 731203

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.6	14.4
54	9.6	7.3	10.9
68	8.2	5.3	7.9#

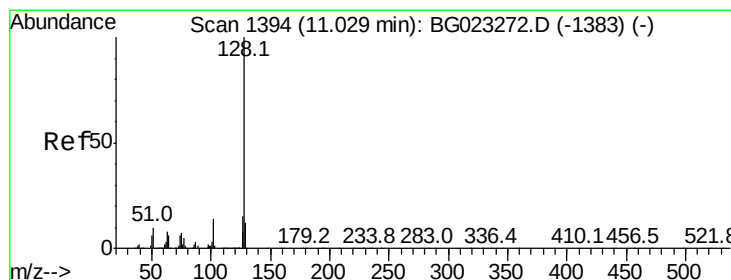
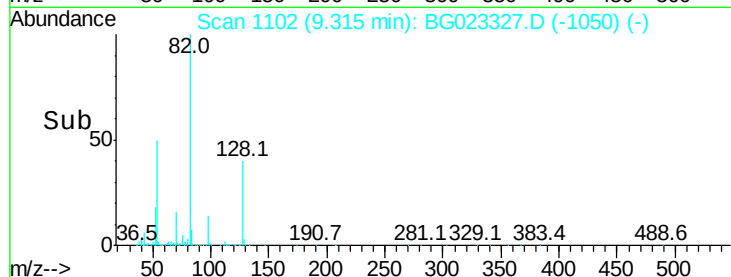
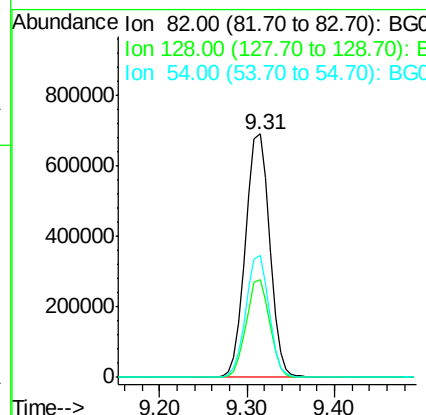
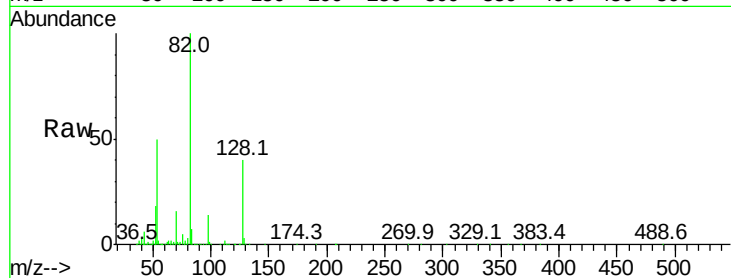




#23
 Nitrobenzene-d5
 Concen: 85.85 ng
 RT: 9.31 min Scan# 1102
 Delta R.T. 0.01 min
 Lab File: BG023327.D
 Acq: 29 Jul 2016 5:45

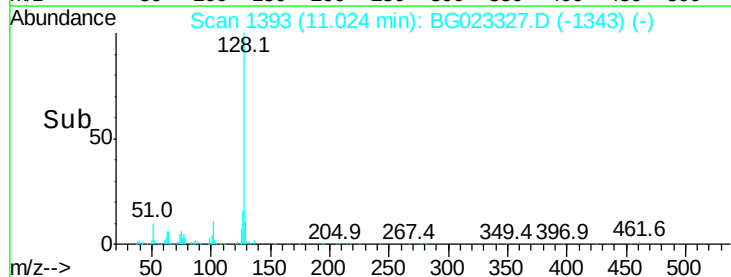
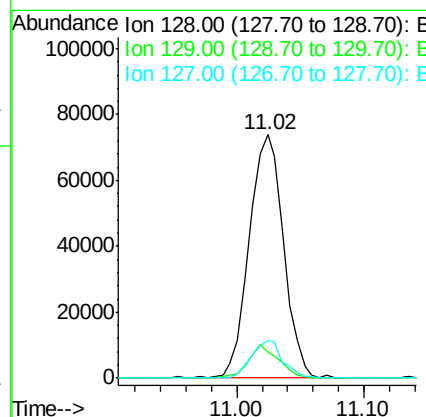
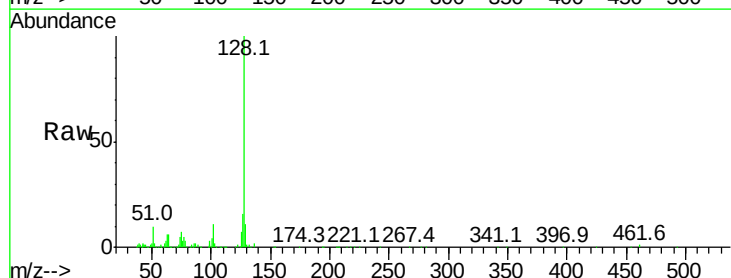
Instrument :
 BNA_G
 ClientSampleId :
 L-1

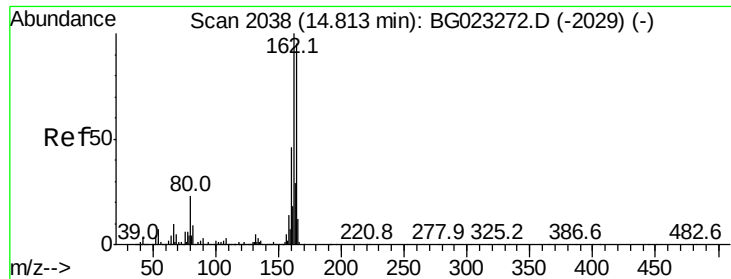
Tot Ion: 82 Resp: 1283623
 Ion Ratio Lower Upper
 82 100
 128 40.0 24.4 36.6#
 54 50.3 41.4 62.0



#31
 Naphthalene
 Concen: 4.09 ng
 RT: 11.02 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: BG023327.D
 Acq: 29 Jul 2016 5:45

Tgt Ion: 128 Resp: 139040
 Ion Ratio Lower Upper
 128 100
 129 10.6 9.4 14.0
 127 15.5 11.3 16.9





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.81 min Scan# 2037

Delta R.T. -0.00 min

Lab File: BG023327.D

Acq: 29 Jul 2016 5:45

Instrument :

BNA_G

ClientSampleId :

L-1

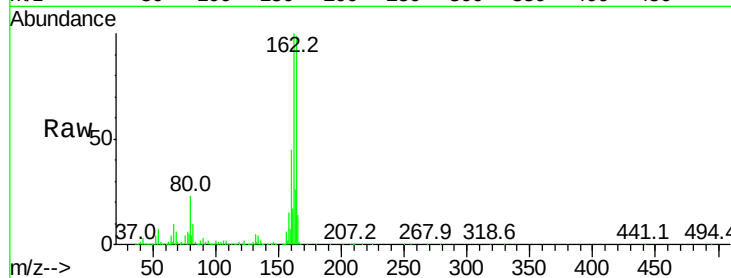
Tot Ion:164 Resp: 522813

Ion	Ratio	Lower	Upper
164	100		
162	101.3	87.7	131.5
160	45.3	37.2	55.8

164 100

162 101.3 87.7 131.5

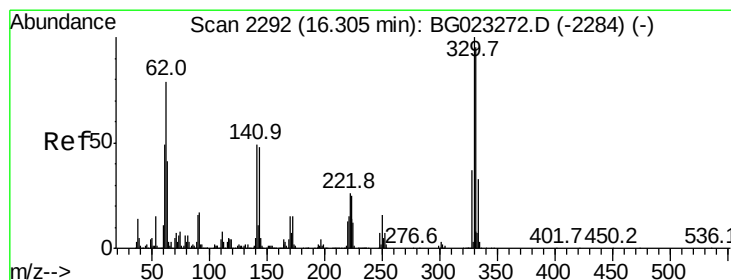
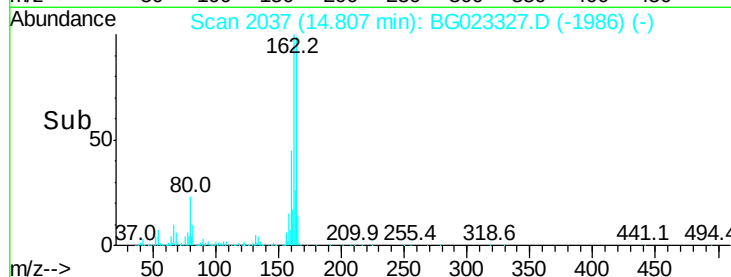
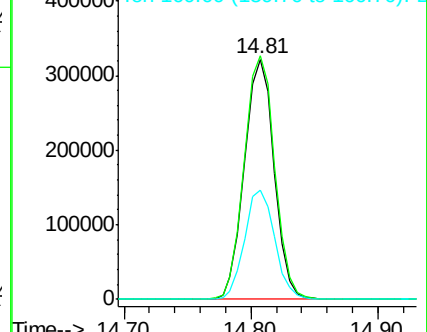
160 45.3 37.2 55.8



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: 162.42 ng

RT: 16.31 min Scan# 2292

Delta R.T. -0.00 min

Lab File: BG023327.D

Acq: 29 Jul 2016 5:45

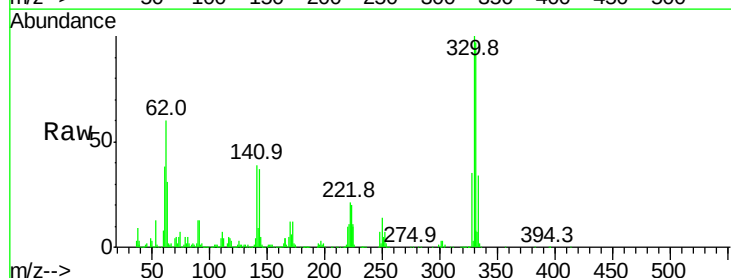
Tgt Ion:330 Resp: 878907

Ion	Ratio	Lower	Upper
330	100		
332	100.3	77.4	116.2
141	39.4	31.7	47.5

330 100

332 100.3 77.4 116.2

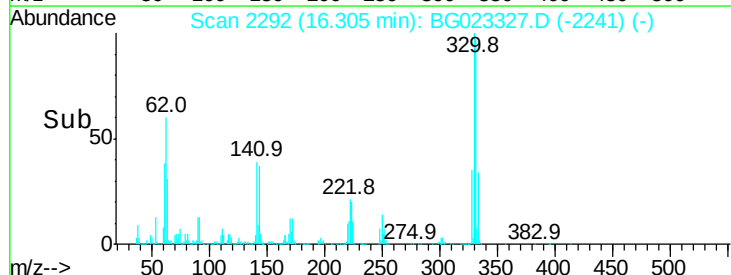
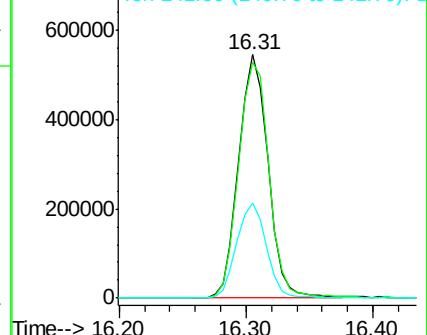
141 39.4 31.7 47.5

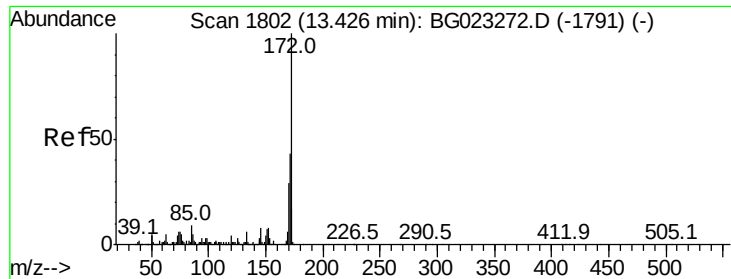


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 93.52 ng

RT: 13.42 min Scan# 1801

Delta R.T. -0.00 min

Lab File: BG023327.D

Acq: 29 Jul 2016 5:45

Instrument :

BNA_G

ClientSampleId :

L-1

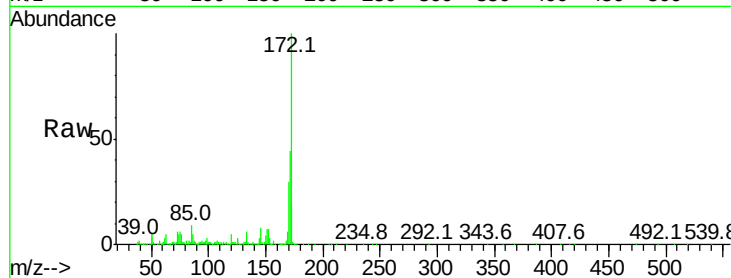
Tot Ion:172 Resp: 2612306

Ion	Ratio	Lower	Upper
172	100		
171	44.1	31.6	47.4
170	30.3	21.3	31.9

172 100

171 44.1 31.6 47.4

170 30.3 21.3 31.9

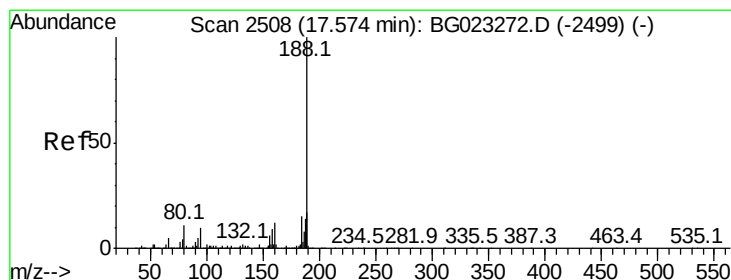
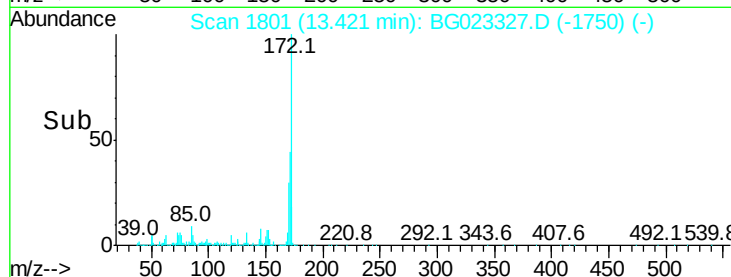
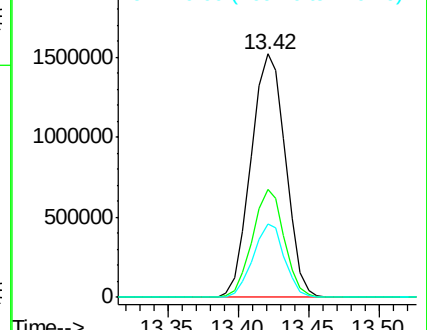


Abundance

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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.57 min Scan# 2507

Delta R.T. -0.00 min

Lab File: BG023327.D

Acq: 29 Jul 2016 5:45

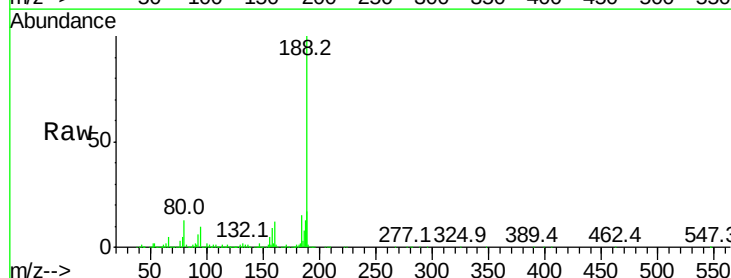
Tgt Ion:188 Resp: 1216723

Ion	Ratio	Lower	Upper
188	100		
94	10.1	5.2	7.8#
80	12.5	7.2	10.8#

188 100

94 10.1 5.2 7.8#

80 12.5 7.2 10.8#

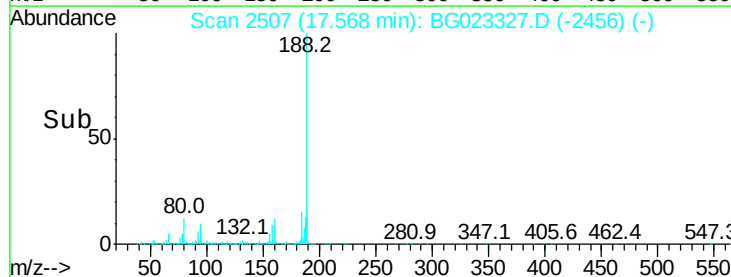
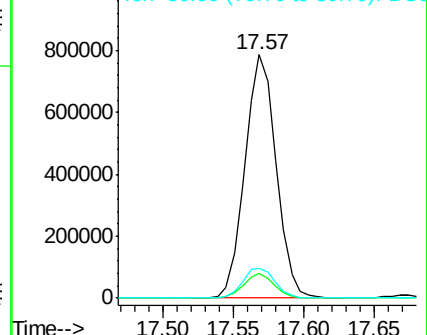


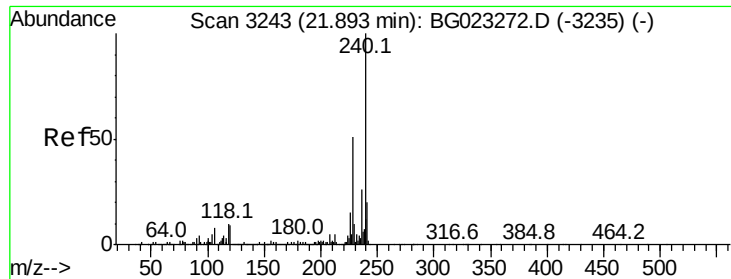
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.89 min Scan# 3243

Delta R.T. 0.00 min

Lab File: BG023327.D

Acq: 29 Jul 2016 5:45

Instrument :

BNA_G

ClientSampleId :

L-1

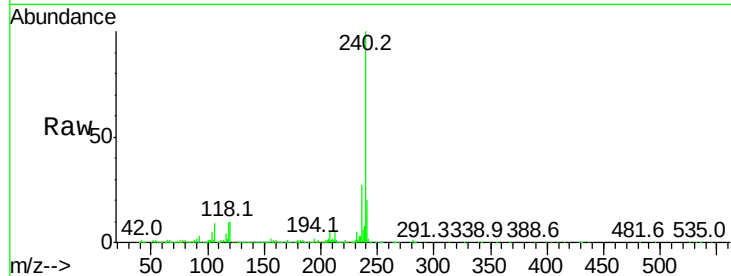
Tot Ion:240 Resp: 1246195

Ion Ratio Lower Upper

240 100

120 10.0 4.1 6.1#

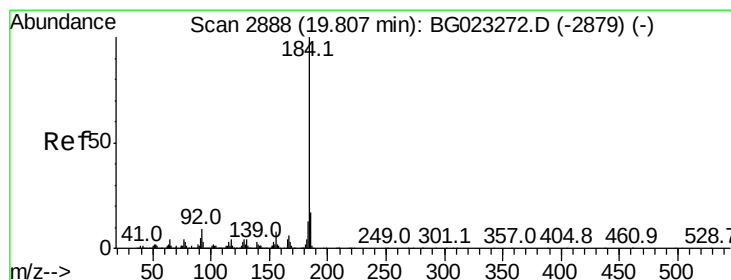
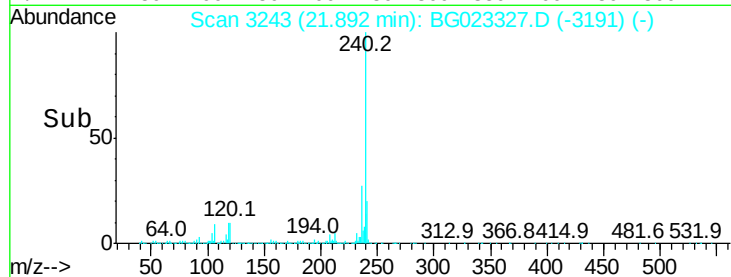
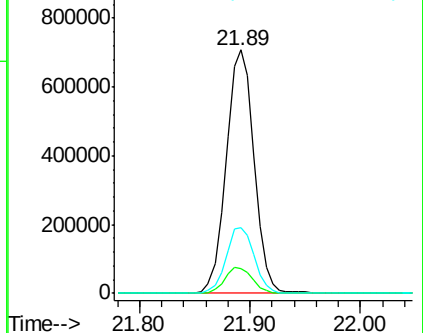
236 26.9 21.1 31.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 7.56 ng

RT: 19.81 min Scan# 2888

Delta R.T. -0.00 min

Lab File: BG023327.D

Acq: 29 Jul 2016 5:45

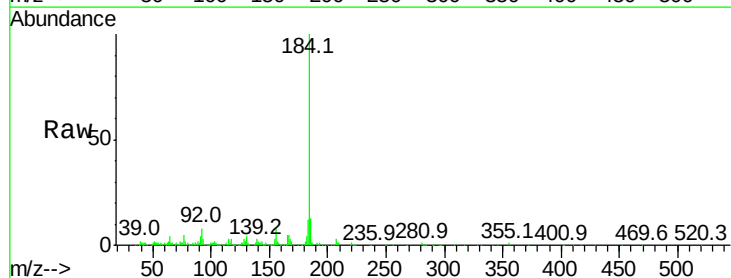
Tgt Ion:184 Resp: 265118

Ion Ratio Lower Upper

184 100

185 13.4 12.6 19.0

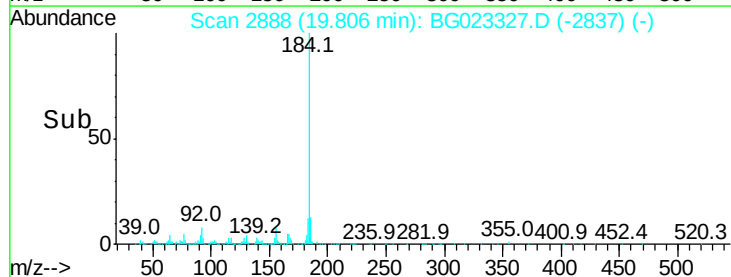
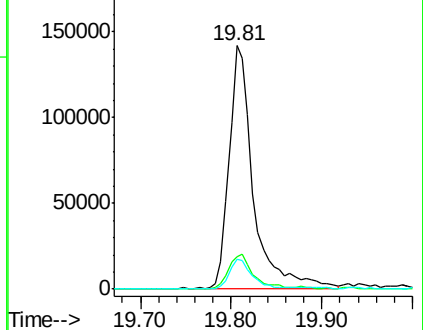
183 12.4 10.7 16.1

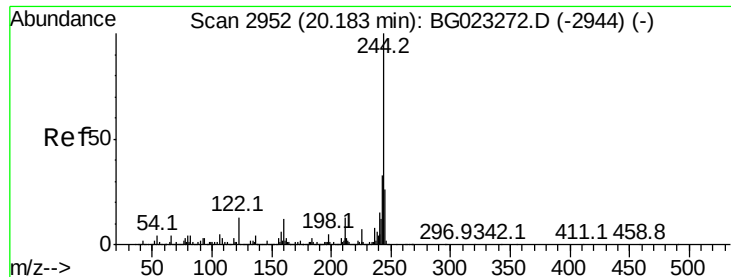


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 85.08 ng

RT: 20.18 min Scan# 2951

Delta R.T. -0.00 min

Lab File: BG023327.D

Acq: 29 Jul 2016 5:45

Instrument :

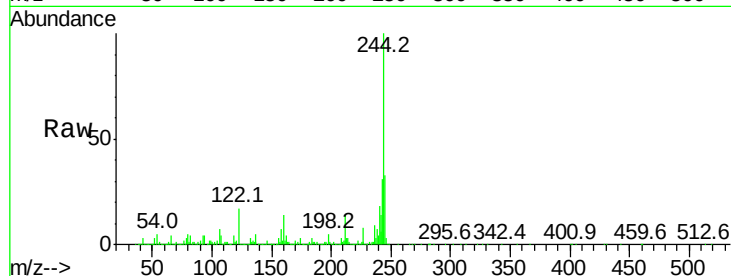
BNA_G

ClientSampleId :

L-1

Tot Ion:244 Resp: 3261524

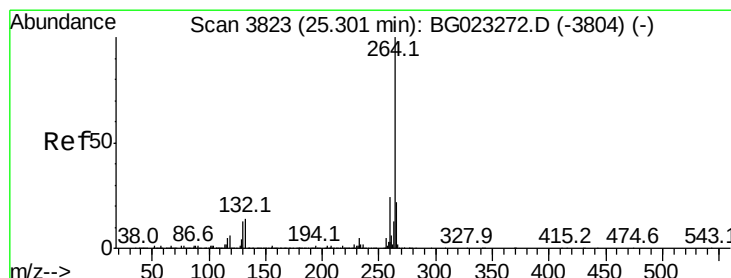
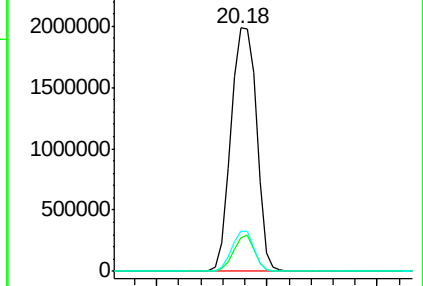
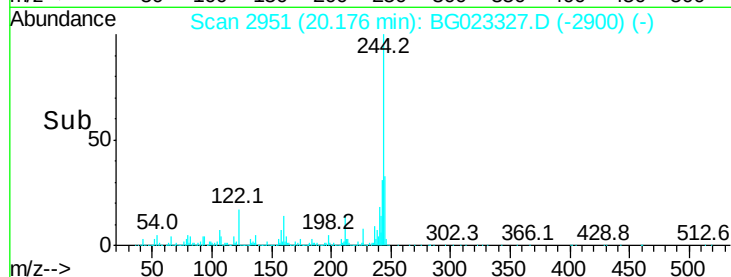
Ion	Ratio	Lower	Upper
244	100		
212	13.7	10.8	16.2
122	16.6	8.0	12.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.30 min Scan# 3823

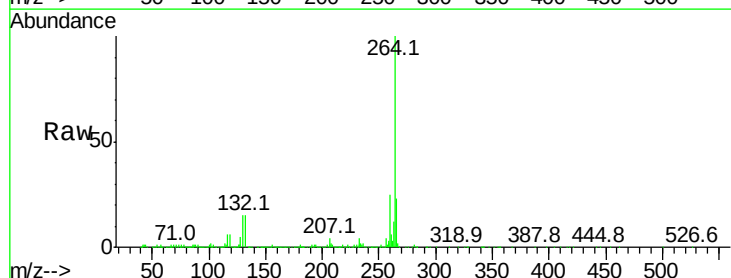
Delta R.T. -0.00 min

Lab File: BG023327.D

Acq: 29 Jul 2016 5:45

Tgt Ion:264 Resp: 1270163

Ion	Ratio	Lower	Upper
264	100		
260	24.9	18.4	27.6
265	22.7	18.9	28.3



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

