

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072316\
 Data File : BG023228.D
 Acq On : 22 Jul 2016 23:25
 Operator : UM/SJ
 Sample : H4131-23
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D-5

Quant Time: Jul 23 00:05:36 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 19 15:46:37 2016
 Response via : Initial Calibration

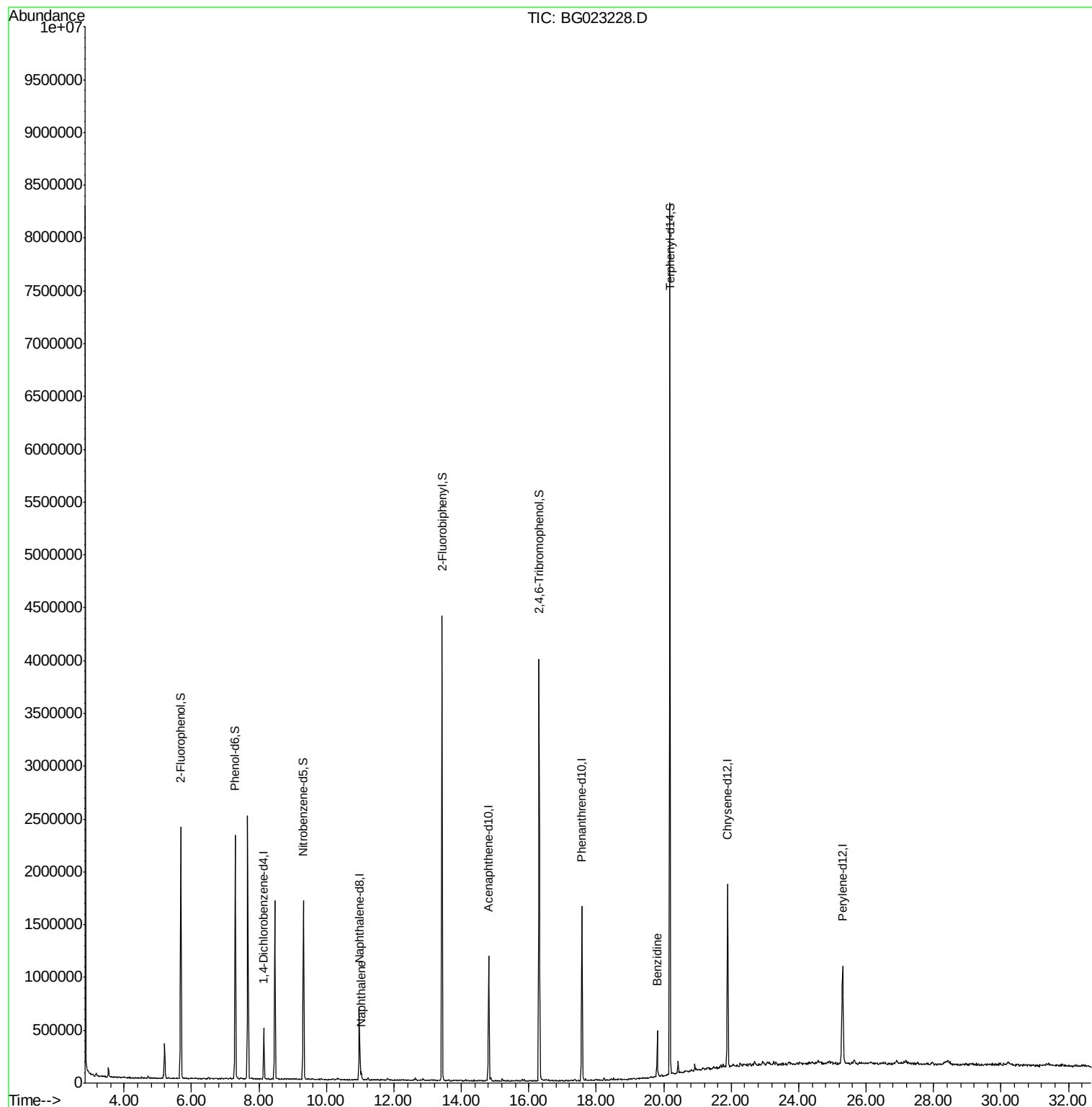
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	118730	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	551046	20.00	ng	0.00
38) Acenaphthene-d10	14.81	164	388169	20.00	ng	0.01
63) Phenanthrene-d10	17.57	188	970044	20.00	ng	0.02
75) Chrysene-d12	21.89	240	1016506	20.00	ng	0.01
86) Perylene-d12	25.30	264	1004006	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	925937	127.55	ng	0.00
7) Phenol-d6	7.30	99	1253068	110.21	ng	0.00
23) Nitrobenzene-d5	9.32	82	1077841	83.75	ng	0.00
41) 2,4,6-Tribromophenol	16.30	330	640352	91.79	ng	0.00
44) 2-Fluorobiphenyl	13.43	172	1986976	80.63	ng	0.01
78) Terphenyl-d14	20.18	244	2804233	89.13	ng	0.02
Target Compounds						
31) Naphthalene	11.03	128	65059	2.32	ng	Qvalue # 86
76) Benzidine	19.81	184	265248	9.10	ng	97

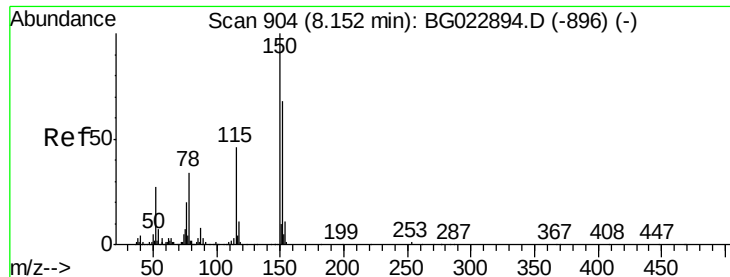
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 19 15:46:37 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.14 min Scan# 903

Delta R.T. 0.00 min

Lab File: BG023228.D

Acq: 22 Jul 2016 23:25

Instrument :

BNA_G

ClientSampleId :

D-5

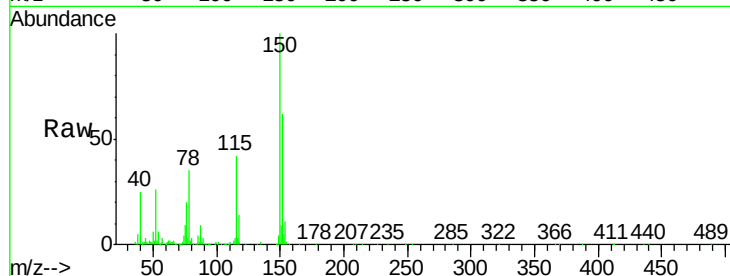
Tgt Ion:152 Resp: 118730

Ion Ratio Lower Upper

152 100

150 160.3 144.7 217.1

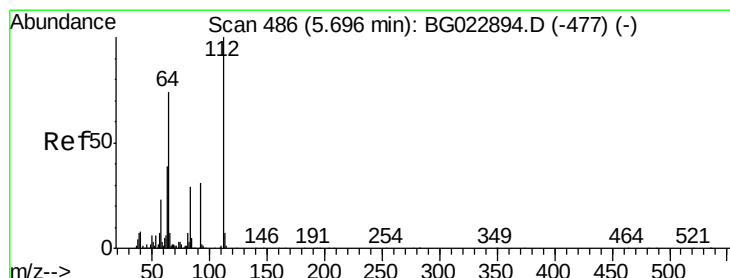
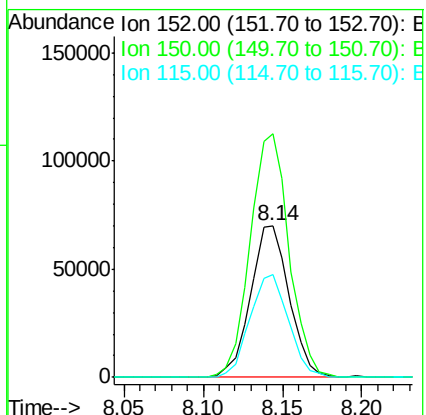
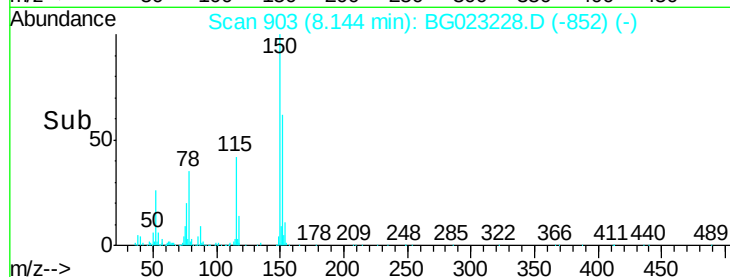
115 67.4 64.0 96.0



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: 127.55 ng

RT: 5.68 min Scan# 484

Delta R.T. 0.01 min

Lab File: BG023228.D

Acq: 22 Jul 2016 23:25

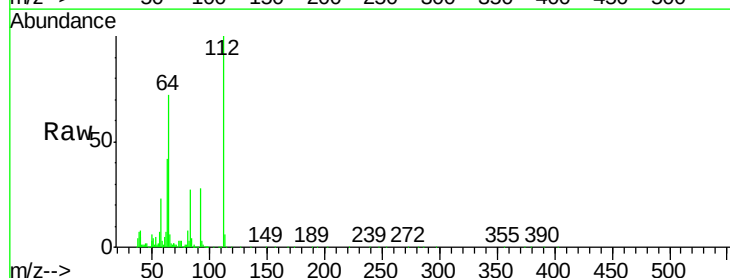
Tgt Ion:112 Resp: 925937

Ion Ratio Lower Upper

112 100

64 71.7 59.0 88.4

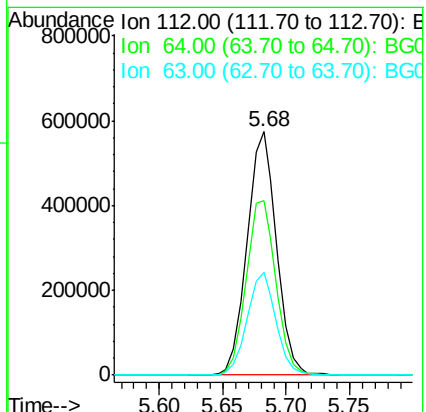
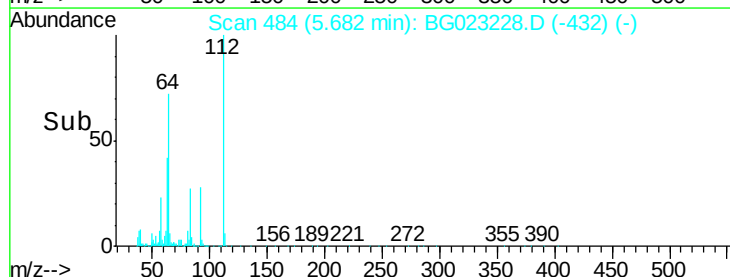
63 42.2 37.8 56.8

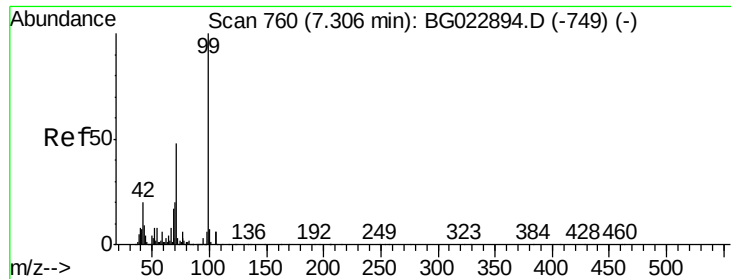


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 110.21 ng

RT: 7.30 min Scan# 759

Delta R.T. 0.00 min

Lab File: BG023228.D

Acq: 22 Jul 2016 23:25

Instrument :

BNA_G

ClientSampleId :

D-5

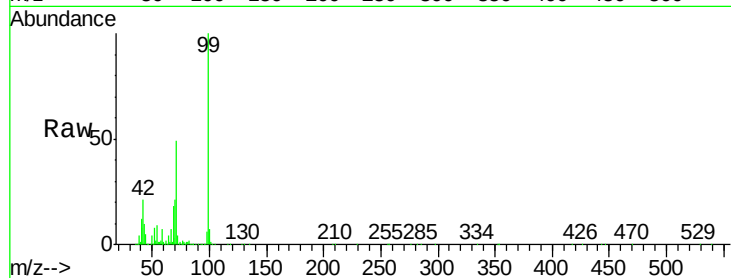
Tgt Ion: 99 Resp: 1253068

Ion Ratio Lower Upper

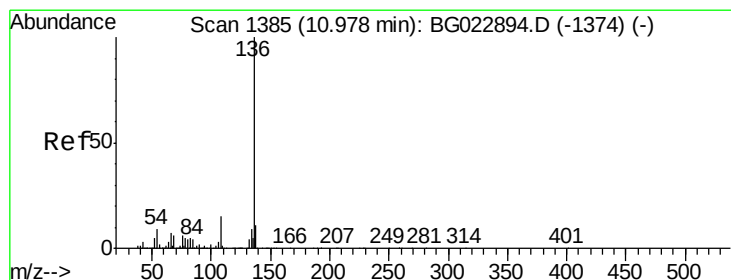
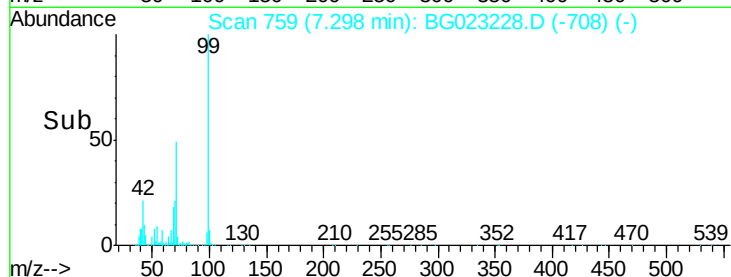
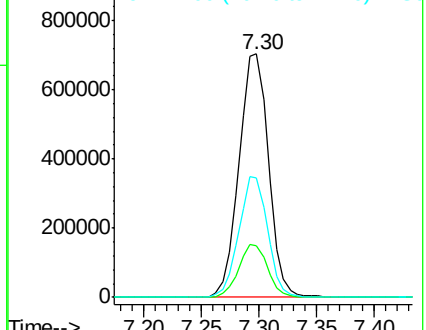
99 100

42 21.4 17.8 26.6

71 49.3 41.5 62.3



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: 20.00 ng

RT: 10.98 min Scan# 1385

Delta R.T. 0.00 min

Lab File: BG023228.D

Acq: 22 Jul 2016 23:25

Tgt Ion: 136 Resp: 551046

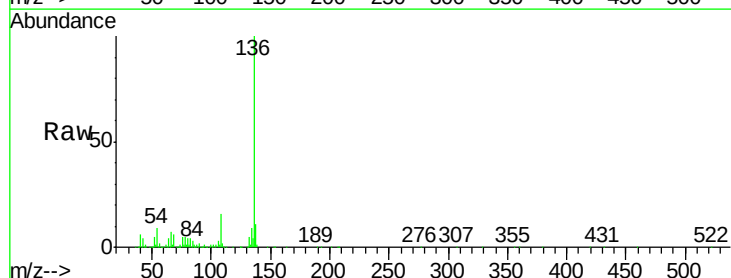
Ion Ratio Lower Upper

136 100

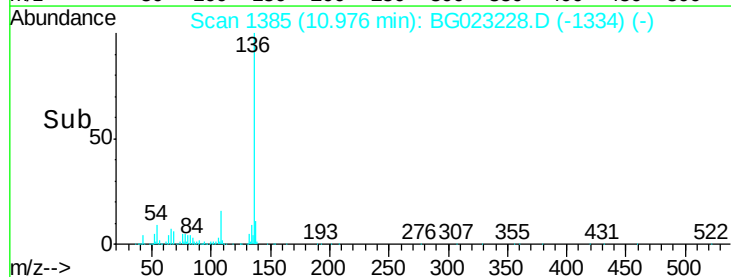
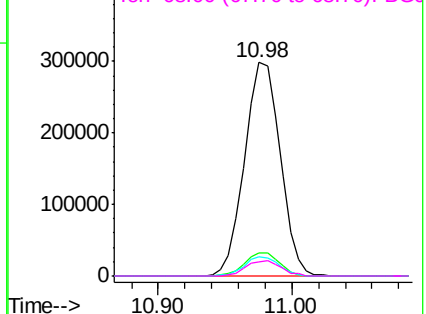
137 10.6 9.6 14.4

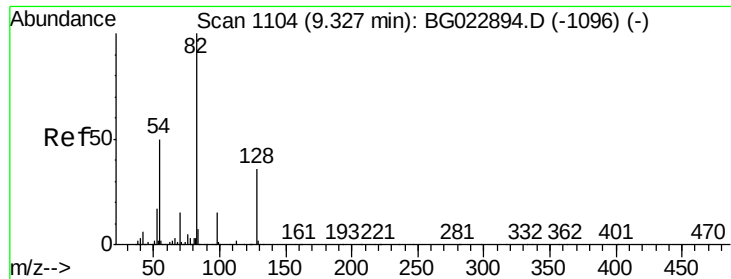
54 8.9 7.3 10.9

68 6.4 5.3 7.9



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

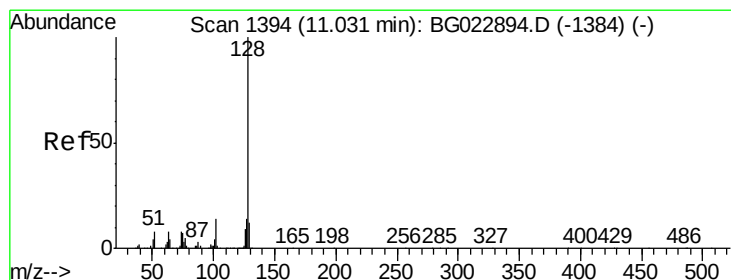
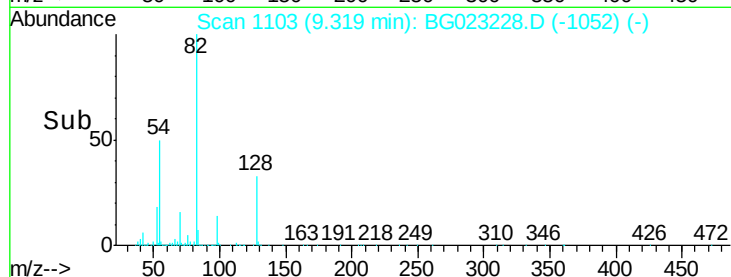
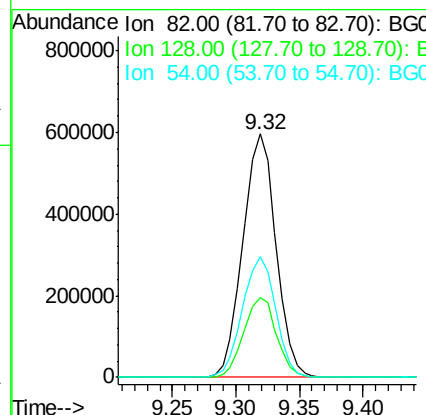
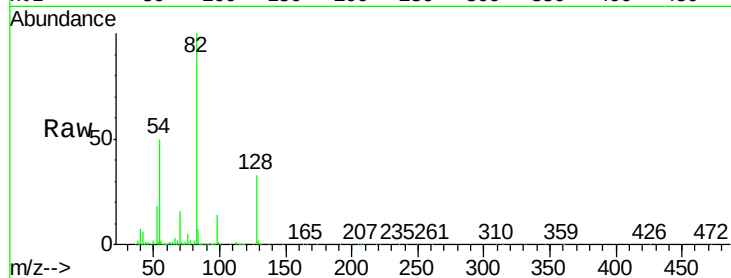




#23
 Nitrobenzene-d5
 Concen: 83.75 ng
 RT: 9.32 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: BG023228.D
 Acq: 22 Jul 2016 23:25

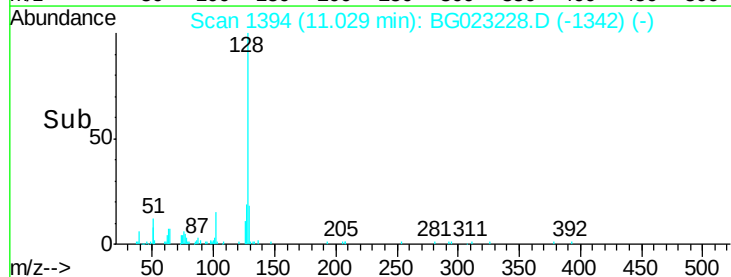
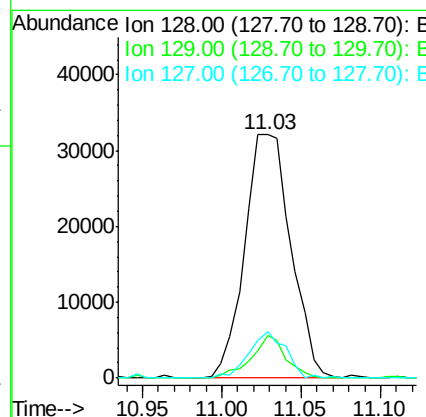
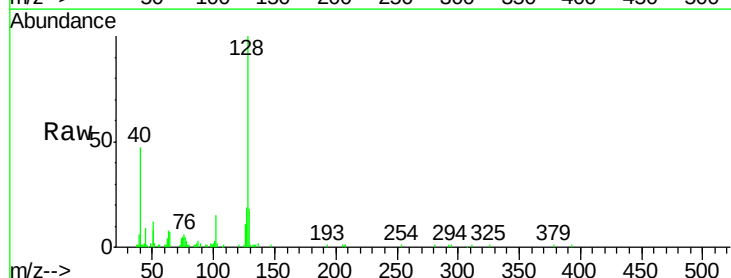
Instrument :
 BNA_G
 ClientSampleId :
 D-5

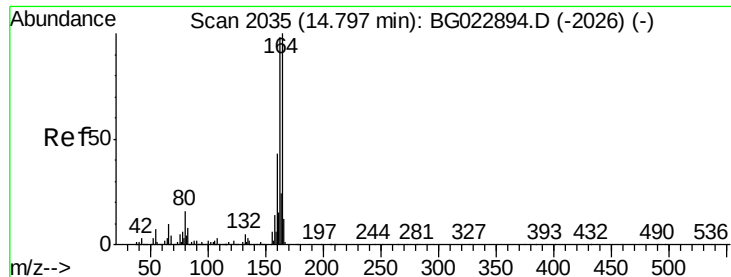
Tgt Ion: 82 Resp: 1077841
 Ion Ratio Lower Upper
 82 100
 128 32.8 24.4 36.6
 54 49.5 41.4 62.0



#31
 Naphthalene
 Concen: 2.32 ng
 RT: 11.03 min Scan# 1394
 Delta R.T. 0.01 min
 Lab File: BG023228.D
 Acq: 22 Jul 2016 23:25

Tgt Ion: 128 Resp: 65059
 Ion Ratio Lower Upper
 128 100
 129 17.5 9.4 14.0#
 127 19.2 11.3 16.9#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.81 min Scan# 2038

Delta R.T. 0.01 min

Lab File: BG023228.D

Acq: 22 Jul 2016 23:25

Instrument :

BNA_G

ClientSampleId :

D-5

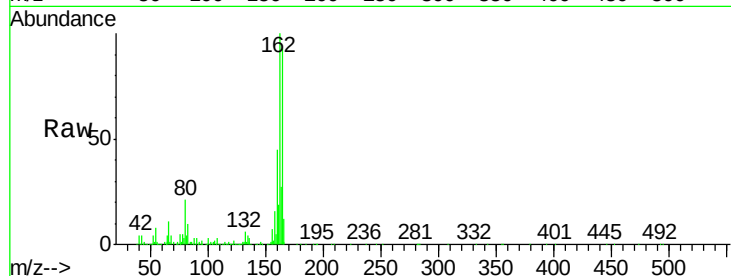
Tgt Ion:164 Resp: 388169

Ion Ratio Lower Upper

164 100

162 107.1 87.7 131.5

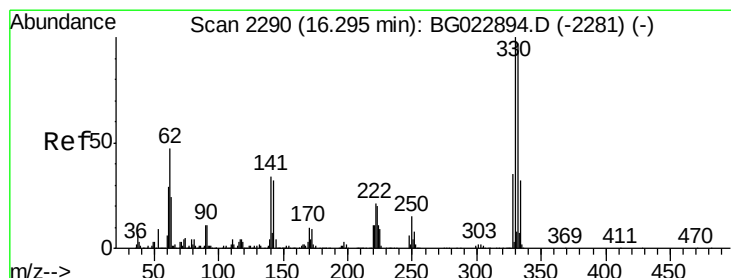
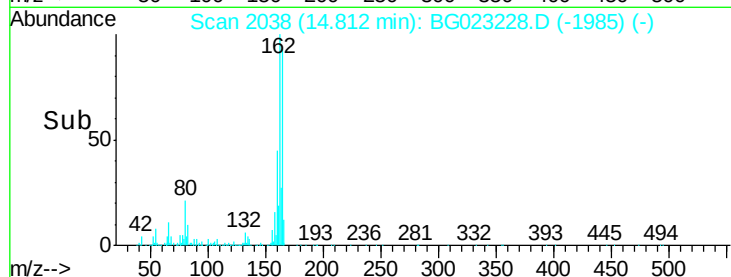
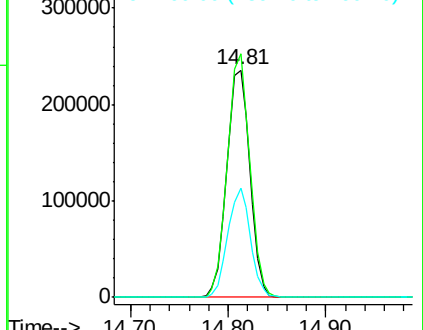
160 48.0 37.2 55.8



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: 91.79 ng

RT: 16.30 min Scan# 2292

Delta R.T. 0.01 min

Lab File: BG023228.D

Acq: 22 Jul 2016 23:25

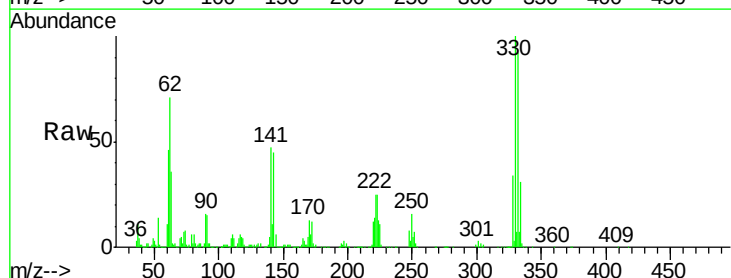
Tgt Ion:330 Resp: 640352

Ion Ratio Lower Upper

330 100

332 94.9 77.4 116.2

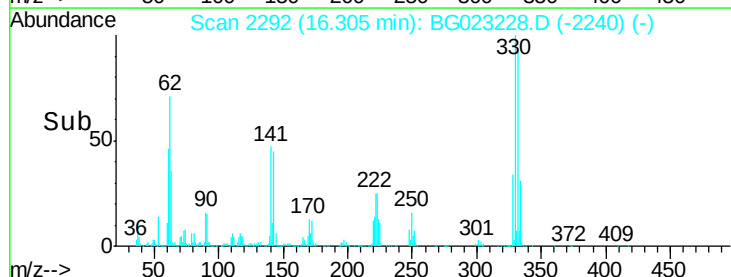
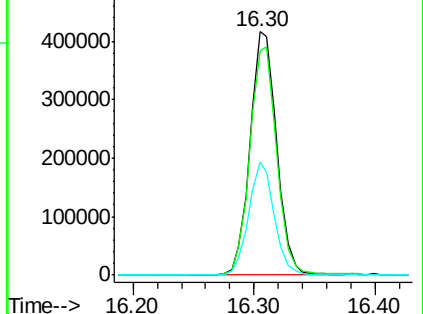
141 44.7 31.7 47.5

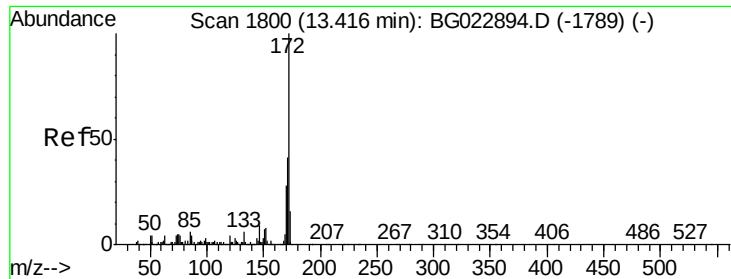


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

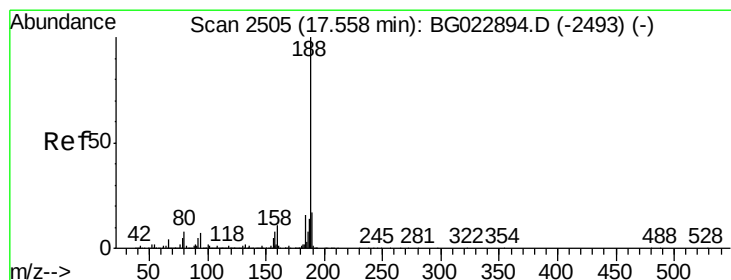
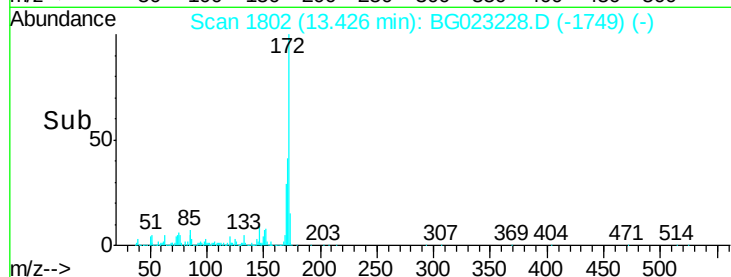
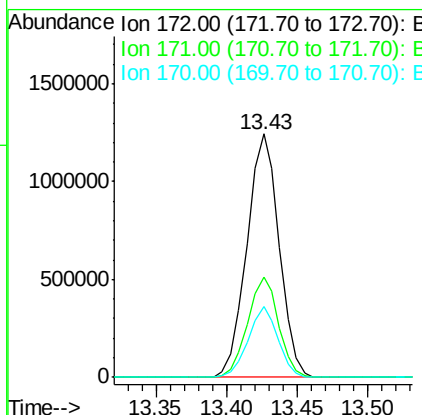
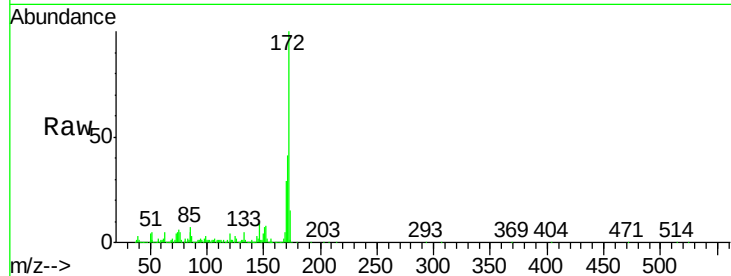




#44
2-Fluorobiphenyl
Concen: 80.63 ng
RT: 13.43 min Scan# 1802
Delta R.T. 0.01 min
Lab File: BG023228.D
Acq: 22 Jul 2016 23:25

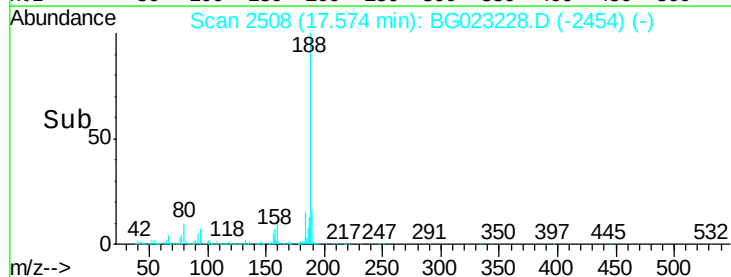
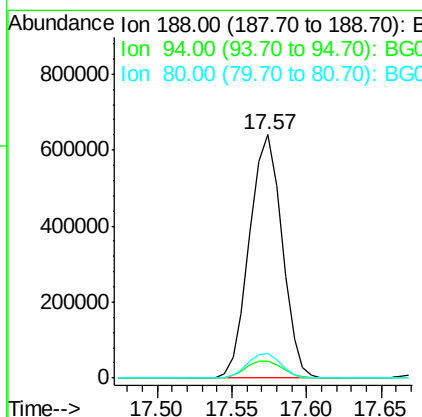
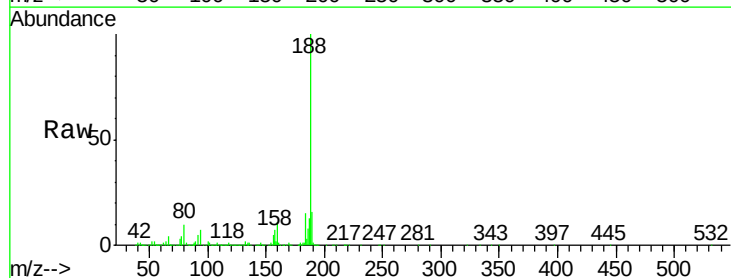
Instrument :
BNA_G
ClientSampleId :
D-5

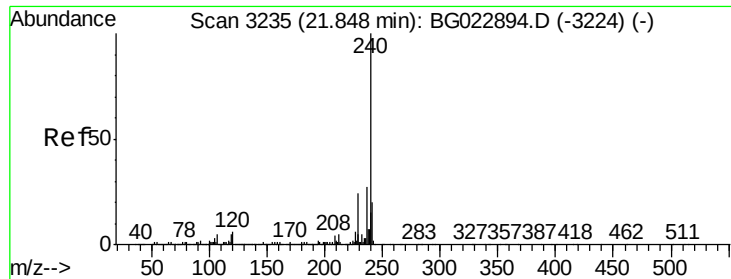
Tgt Ion:172 Resp: 1986976
Ion Ratio Lower Upper
172 100
171 41.0 31.6 47.4
170 29.2 21.3 31.9



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.57 min Scan# 2508
Delta R.T. 0.02 min
Lab File: BG023228.D
Acq: 22 Jul 2016 23:25

Tgt Ion:188 Resp: 970044
Ion Ratio Lower Upper
188 100
94 7.2 5.2 7.8
80 10.1 7.2 10.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.89 min Scan# 3243

Delta R.T. 0.01 min

Lab File: BG023228.D

Acq: 22 Jul 2016 23:25

Instrument :

BNA_G

ClientSampleId :

D-5

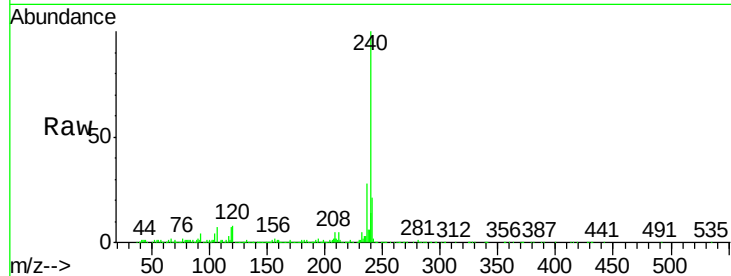
Tgt Ion:240 Resp: 1016506

Ion Ratio Lower Upper

240 100

120 7.8 4.1 6.1#

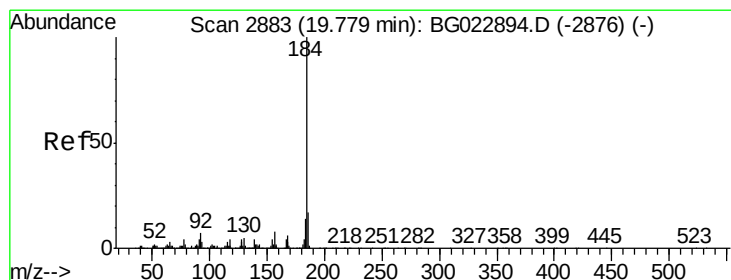
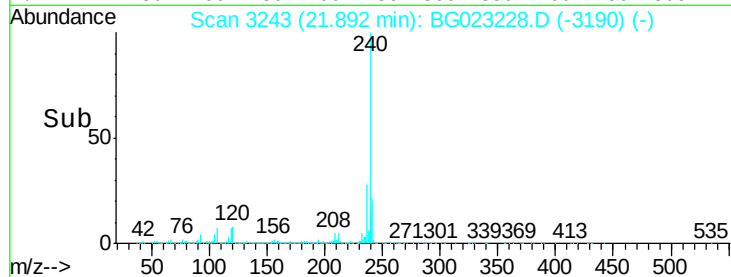
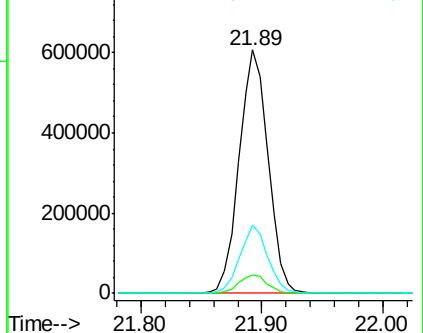
236 28.0 21.1 31.7



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: 9.10 ng

RT: 19.81 min Scan# 2888

Delta R.T. 0.02 min

Lab File: BG023228.D

Acq: 22 Jul 2016 23:25

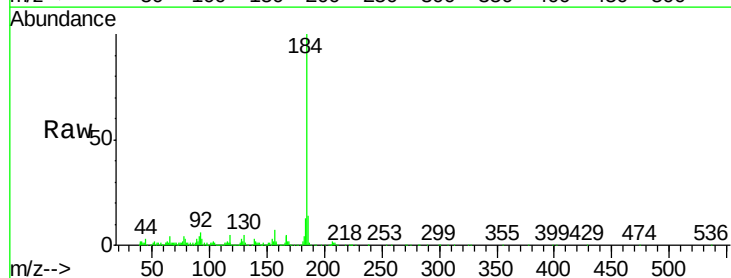
Tgt Ion:184 Resp: 265248

Ion Ratio Lower Upper

184 100

185 14.3 12.6 19.0

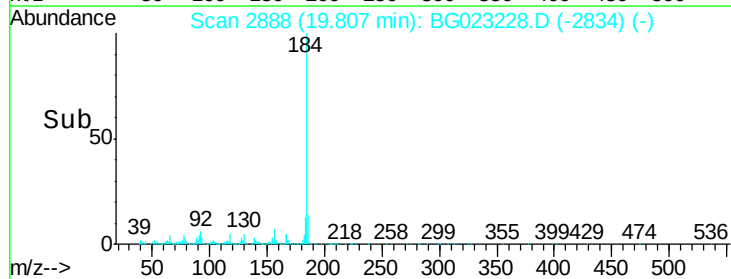
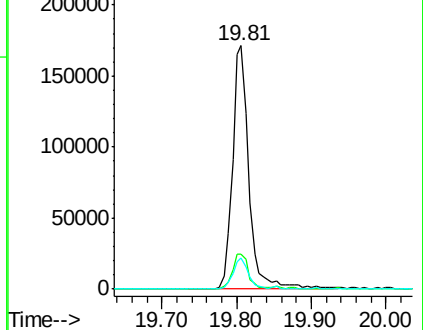
183 12.7 10.7 16.1

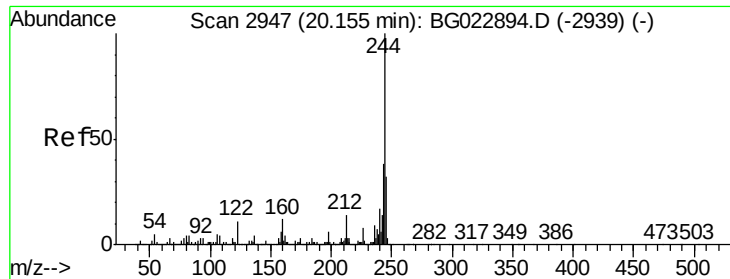


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 89.13 ng

RT: 20.18 min Scan# 2952

Delta R.T. 0.02 min

Lab File: BG023228.D

Acq: 22 Jul 2016 23:25

Instrument :

BNA_G

ClientSampleId :

D-5

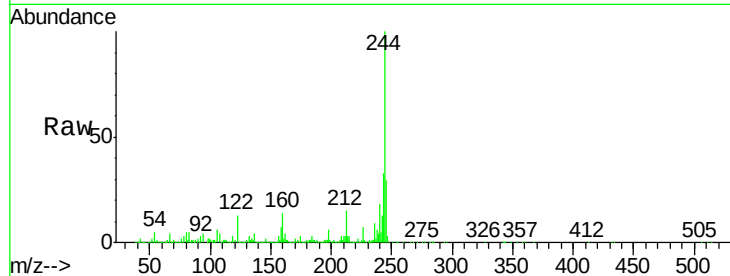
Tgt Ion:244 Resp: 2804233

Ion Ratio Lower Upper

244 100

212 14.8 10.8 16.2

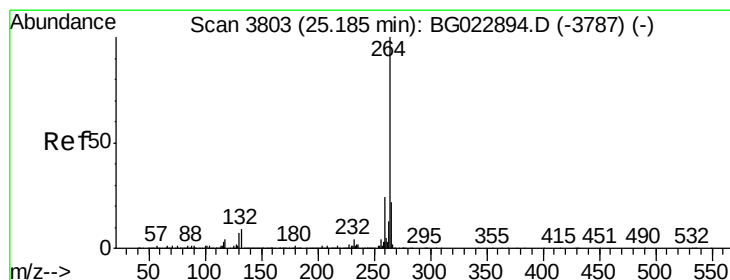
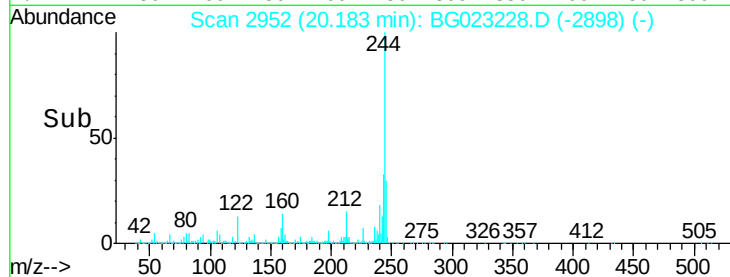
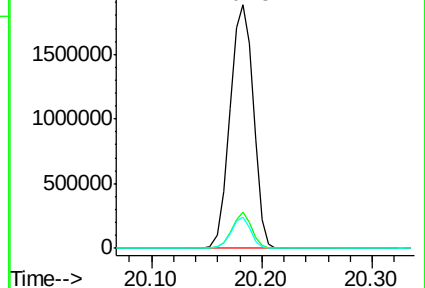
122 12.8 8.0 12.0#



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. 0.03 min

Lab File: BG023228.D

Acq: 22 Jul 2016 23:25

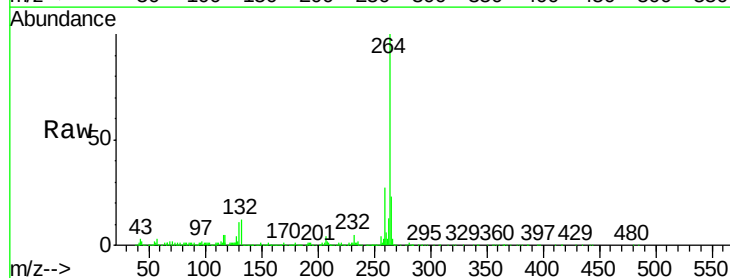
Tgt Ion:264 Resp: 1004006

Ion Ratio Lower Upper

264 100

260 26.6 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

