

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072316\
 Data File : BG023229.D
 Acq On : 23 Jul 2016 00:06
 Operator : UM/SJ
 Sample : H4131-24
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D-6

Quant Time: Jul 23 02:32:34 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

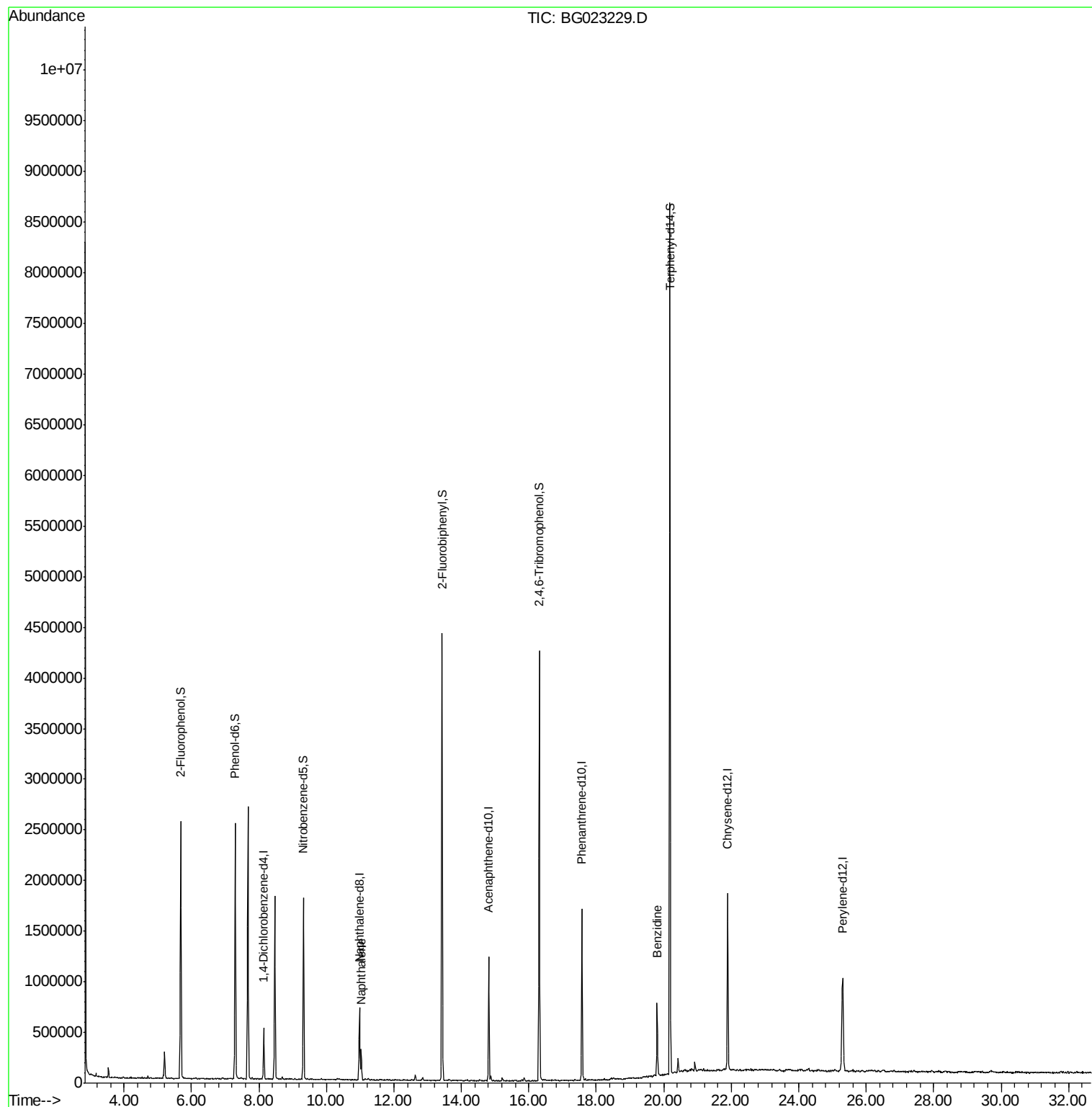
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	129690	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	575446	20.00	ng	0.00
38) Acenaphthene-d10	14.81	164	413393	20.00	ng	0.00
63) Phenanthrene-d10	17.57	188	1040938	20.00	ng	0.01
75) Chrysene-d12	21.89	240	1060216	20.00	ng	0.01
86) Perylene-d12	25.30	264	1036709	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	989893	124.83	ng	0.00
7) Phenol-d6	7.29	99	1380165	111.13	ng	0.00
23) Nitrobenzene-d5	9.32	82	1145254	85.22	ng	0.00
41) 2,4,6-Tribromophenol	16.31	330	718299	96.68	ng	0.00
44) 2-Fluorobiphenyl	13.43	172	2088003	79.56	ng	0.01
78) Terphenyl-d14	20.18	244	3002531	93.16	ng	0.02
Target Compounds						
31) Naphthalene	11.03	128	240133	8.20	ng	97
76) Benzidine	19.80	184	406784	13.38	ng	99

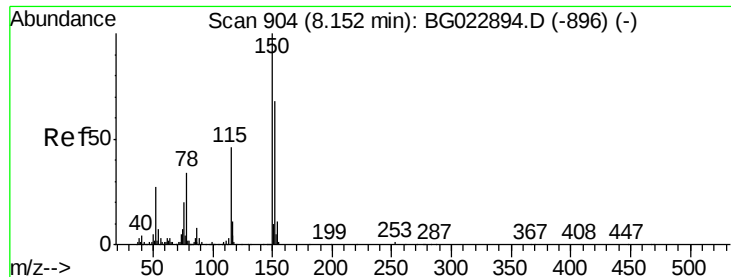
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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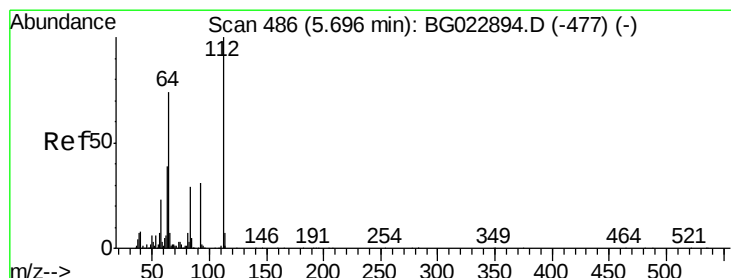
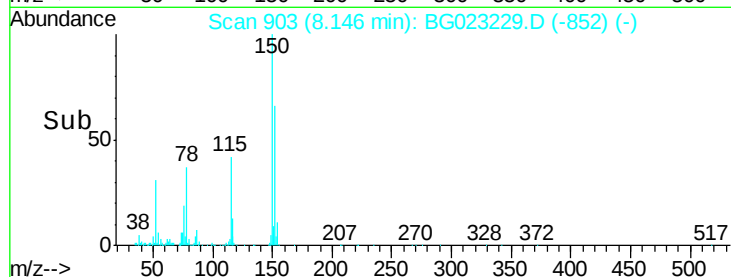
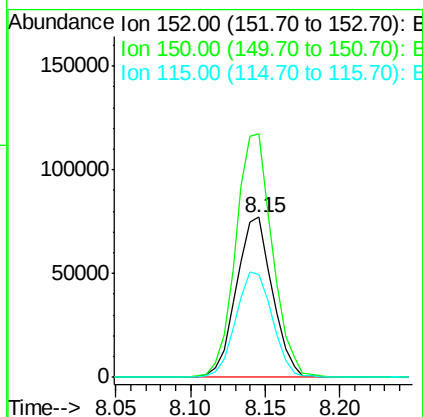
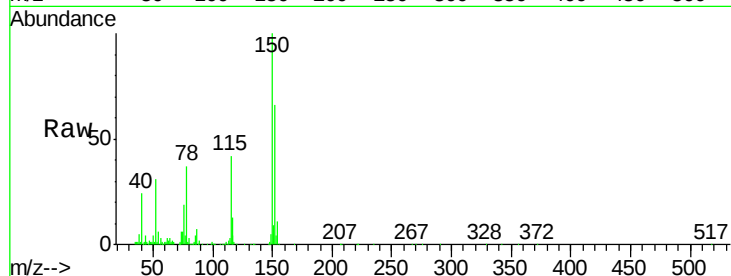


#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.15 min Scan# 903
 Delta R.T. 0.00 min
 Lab File: BG023229.D
 Acq: 23 Jul 2016 00:06

Instrument :
 BNA_G
 ClientSampleId :
 D-6

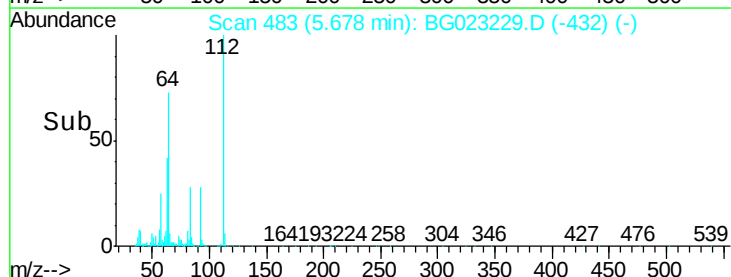
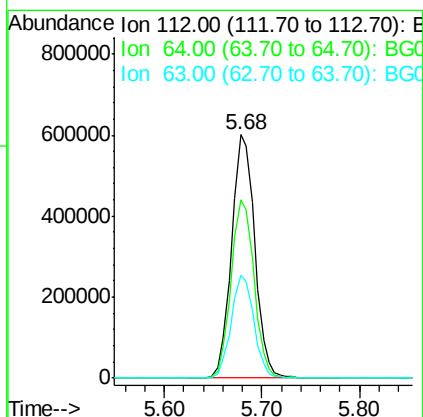
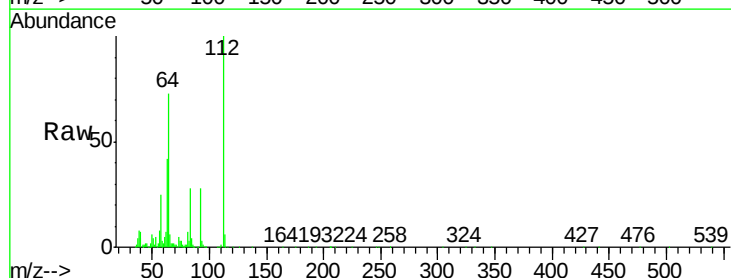
Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.8	144.7	217.1
115	64.3	64.0	96.0

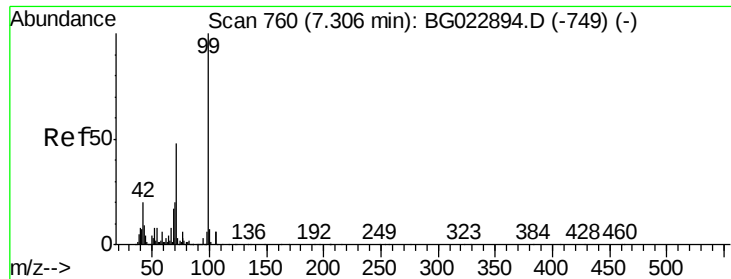


#5

2-Fluorophenol
 Concen: 124.83 ng
 RT: 5.68 min Scan# 483
 Delta R.T. 0.00 min
 Lab File: BG023229.D
 Acq: 23 Jul 2016 00:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.1	59.0	88.4
63	42.0	37.8	56.8





#7

Phenol-d6

Concen: 111.13 ng

RT: 7.29 min Scan# 758

Delta R.T. -0.00 min

Lab File: BG023229.D

Acq: 23 Jul 2016 00:06

Instrument :

BNA_G

ClientSampleId :

D-6

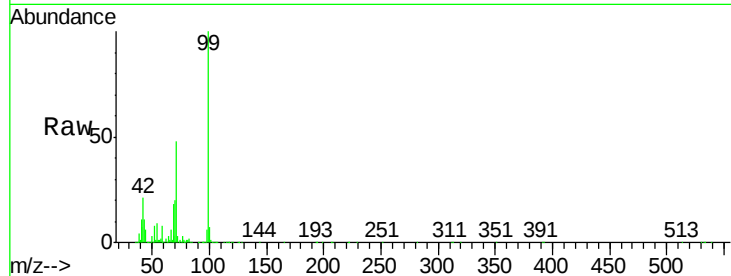
Tgt Ion: 99 Resp: 1380165

Ion Ratio Lower Upper

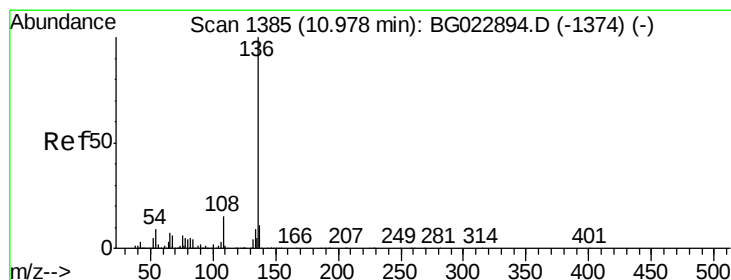
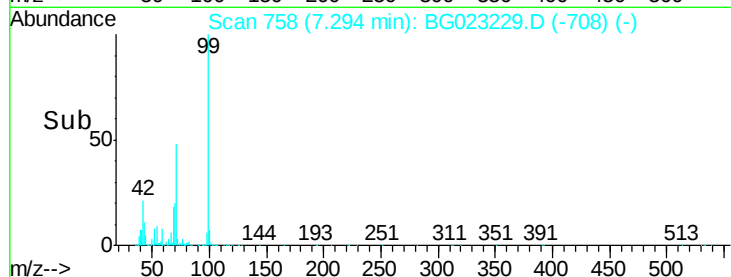
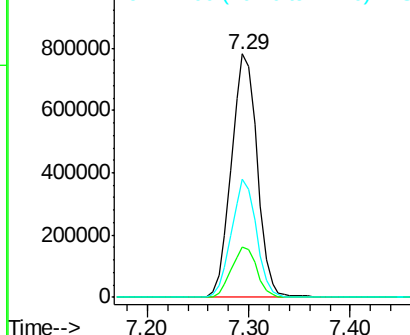
99 100

42 20.6 17.8 26.6

71 48.4 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: BG023229.D

Acq: 23 Jul 2016 00:06

Tgt Ion: 136 Resp: 575446

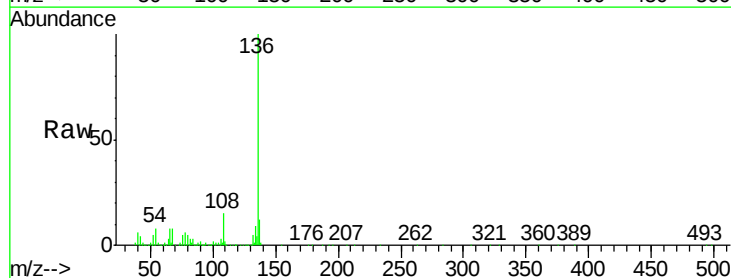
Ion Ratio Lower Upper

136 100

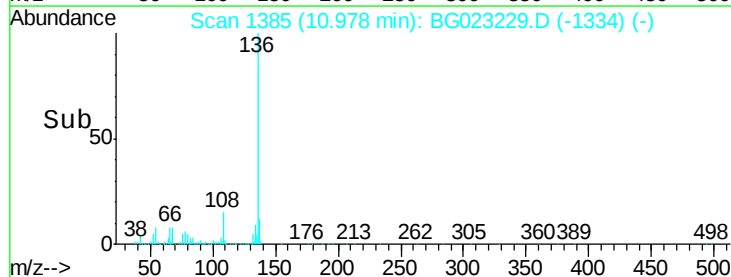
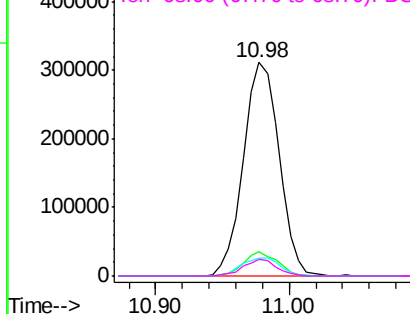
137 11.6 9.6 14.4

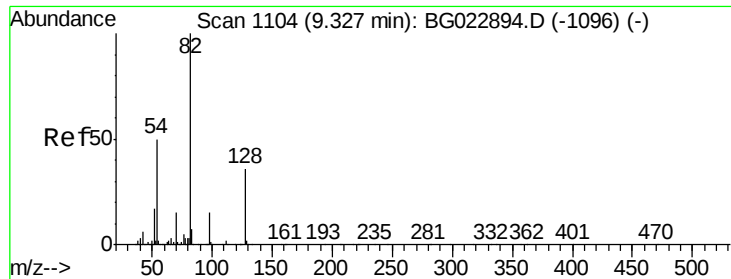
54 8.2 7.3 10.9

68 7.7 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: 85.22 ng

RT: 9.32 min Scan# 1103

Delta R.T. 0.00 min

Lab File: BG023229.D

Acq: 23 Jul 2016 00:06

Instrument :

BNA_G

ClientSampleId :

D-6

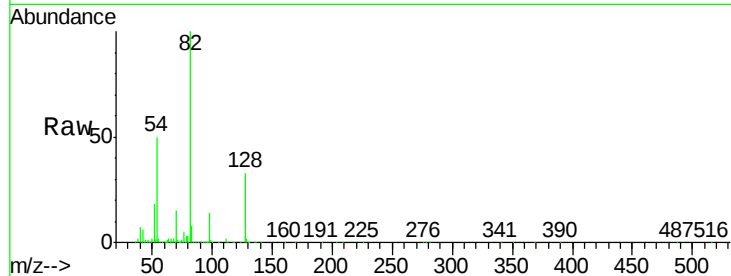
Tgt Ion: 82 Resp: 1145254

Ion Ratio Lower Upper

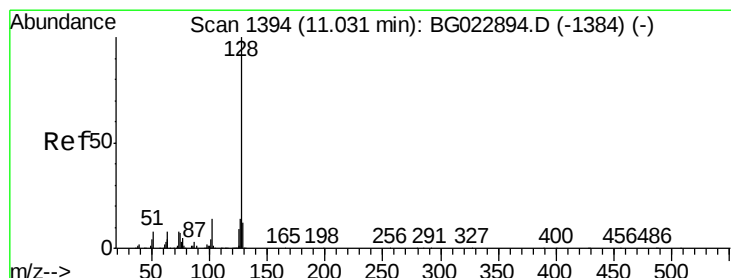
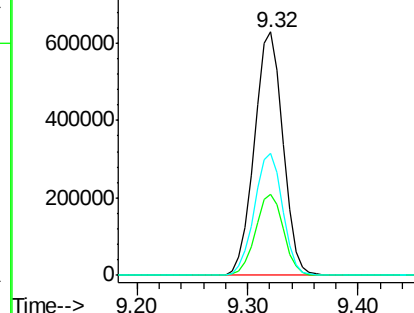
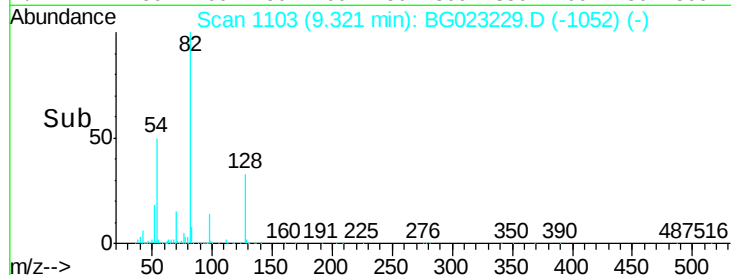
82 100

128 33.2 24.4 36.6

54 50.2 41.4 62.0



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC



#31

Naphthalene

Concen: 8.20 ng

RT: 11.03 min Scan# 1394

Delta R.T. 0.01 min

Lab File: BG023229.D

Acq: 23 Jul 2016 00:06

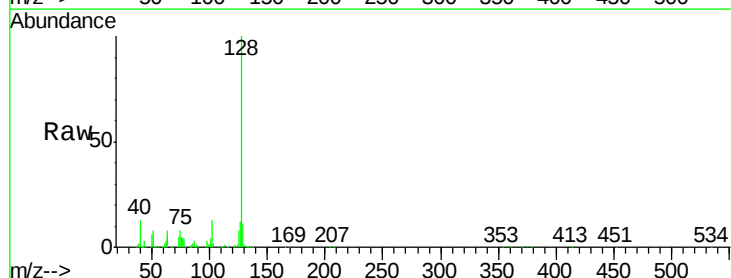
Tgt Ion: 128 Resp: 240133

Ion Ratio Lower Upper

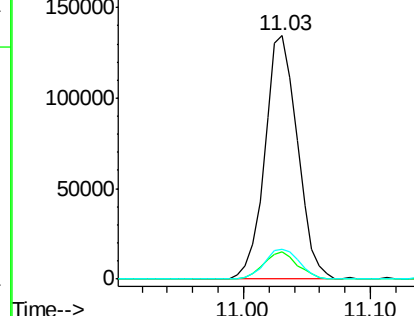
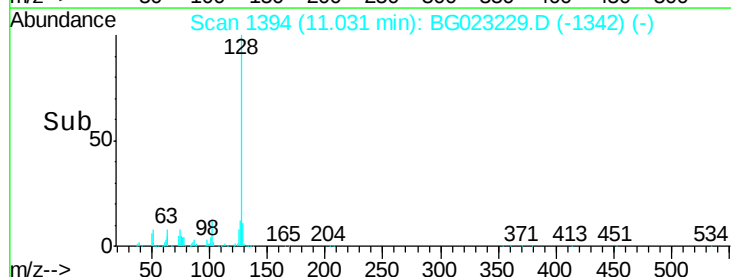
128 100

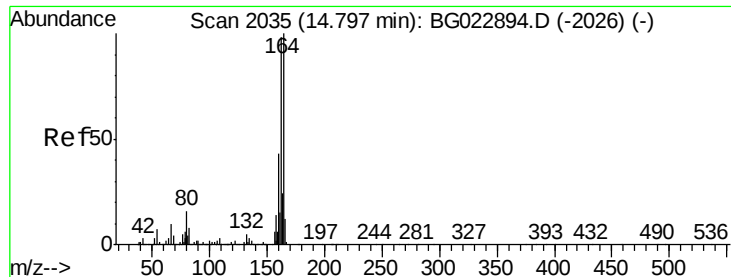
129 11.2 9.4 14.0

127 12.5 11.3 16.9



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.81 min Scan# 2037

Delta R.T. 0.01 min

Lab File: BG023229.D

Acq: 23 Jul 2016 00:06

Instrument :

BNA_G

ClientSampleId :

D-6

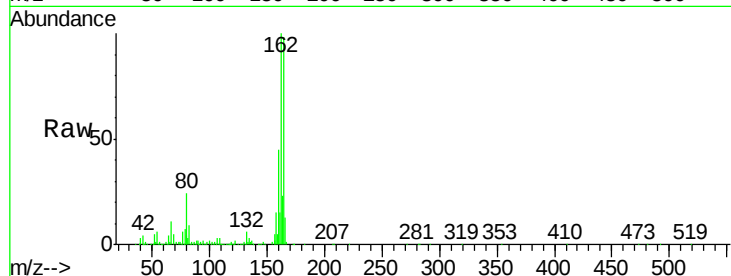
Tgt Ion:164 Resp: 413393

Ion Ratio Lower Upper

164 100

162 101.6 87.7 131.5

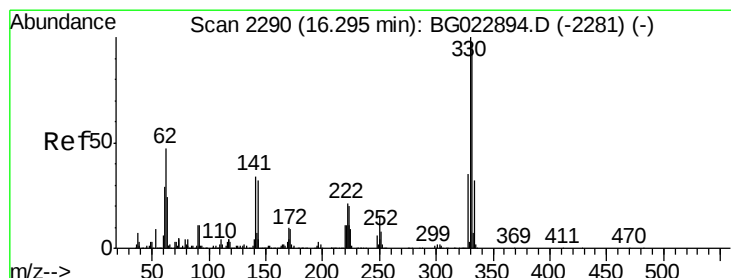
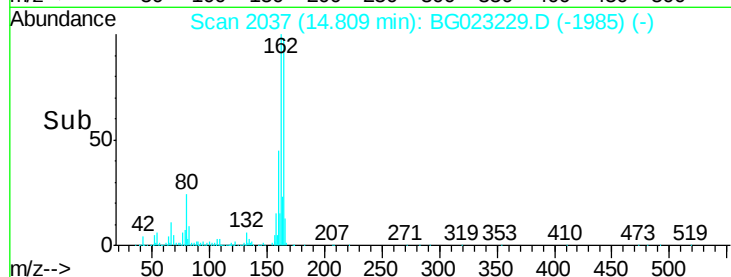
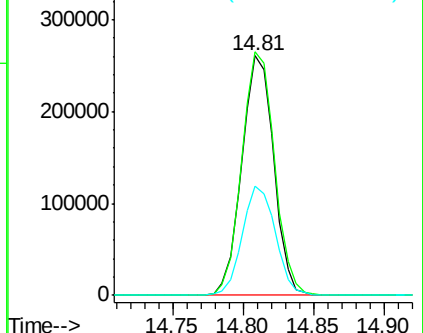
160 45.7 37.2 55.8



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: 96.68 ng

RT: 16.31 min Scan# 2292

Delta R.T. 0.01 min

Lab File: BG023229.D

Acq: 23 Jul 2016 00:06

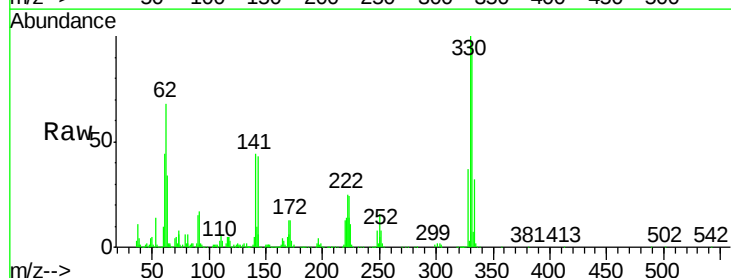
Tgt Ion:330 Resp: 718299

Ion Ratio Lower Upper

330 100

332 95.7 77.4 116.2

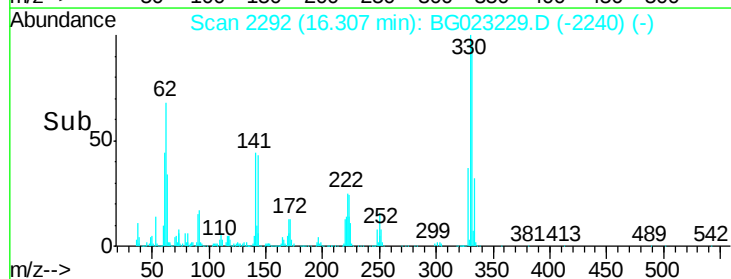
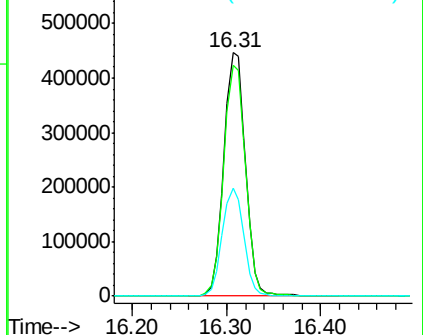
141 44.5 31.7 47.5

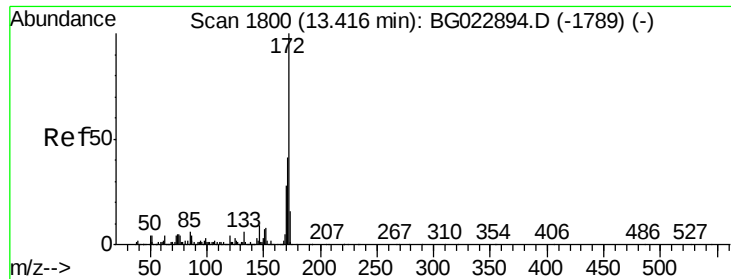


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

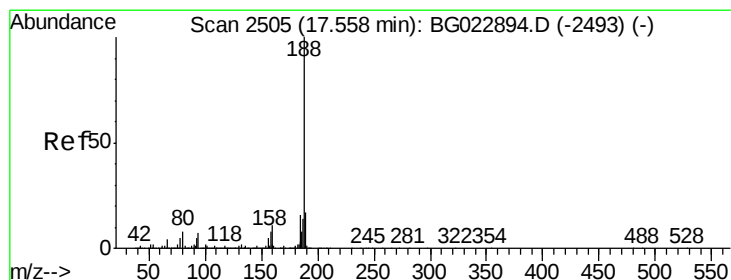
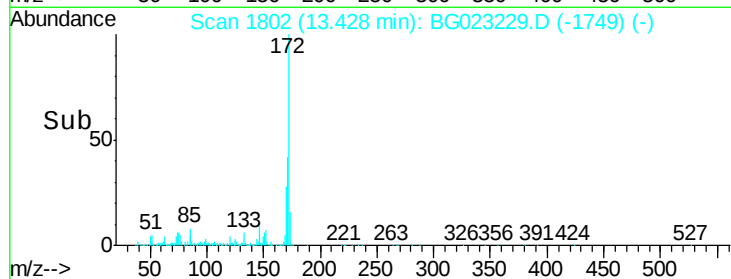
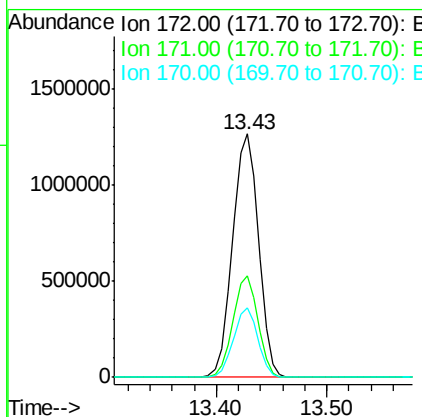
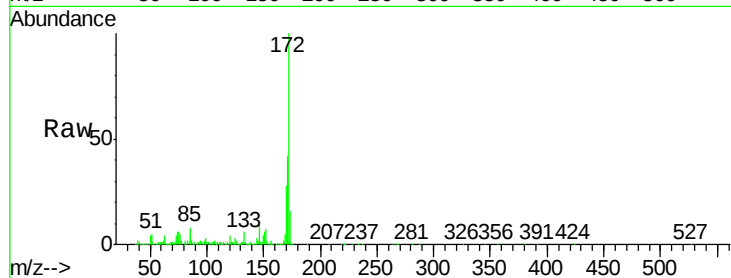




#44
2-Fluorobiphenyl
Concen: 79.56 ng
RT: 13.43 min Scan# 1802
Delta R.T. 0.01 min
Lab File: BG023229.D
Acq: 23 Jul 2016 00:06

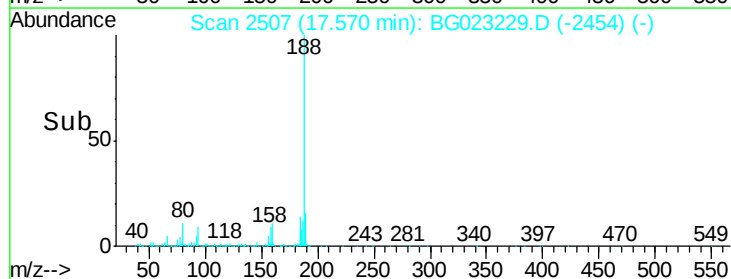
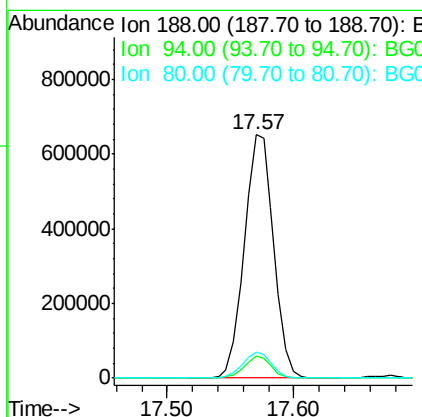
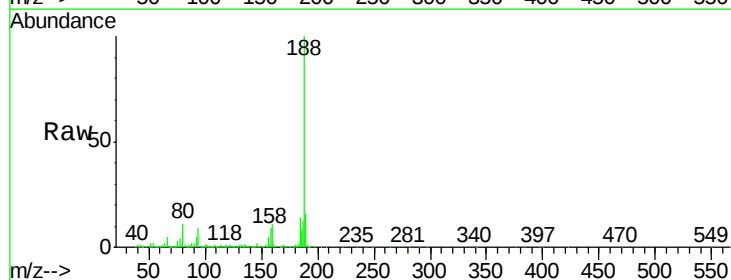
Instrument :
BNA_G
ClientSampleId :
D-6

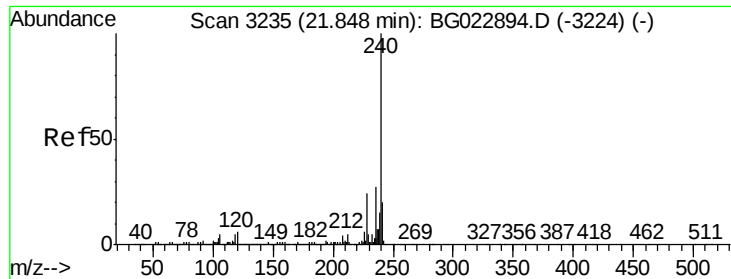
Tgt Ion:172 Resp: 2088003
Ion Ratio Lower Upper
172 100
171 41.6 31.6 47.4
170 28.4 21.3 31.9



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.57 min Scan# 2507
Delta R.T. 0.01 min
Lab File: BG023229.D
Acq: 23 Jul 2016 00:06

Tgt Ion:188 Resp: 1040938
Ion Ratio Lower Upper
188 100
94 9.0 5.2 7.8#
80 10.9 7.2 10.8#

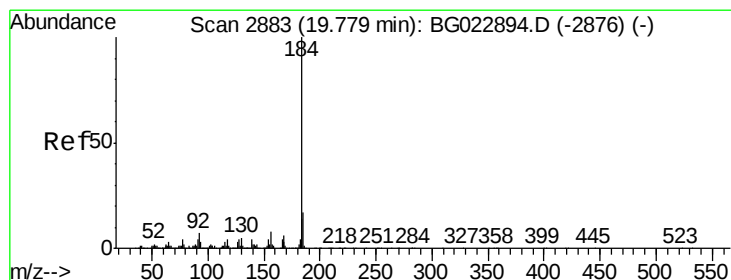
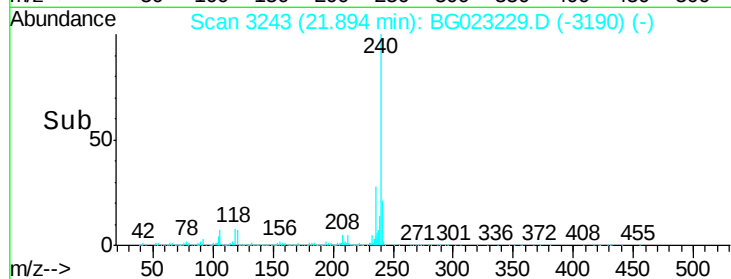
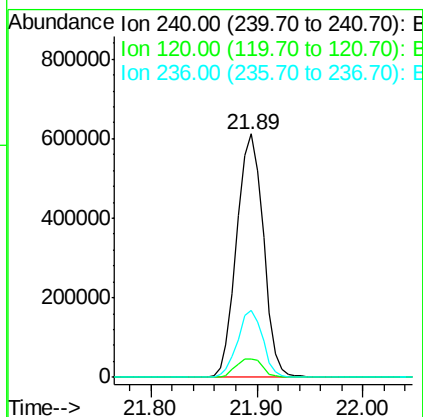
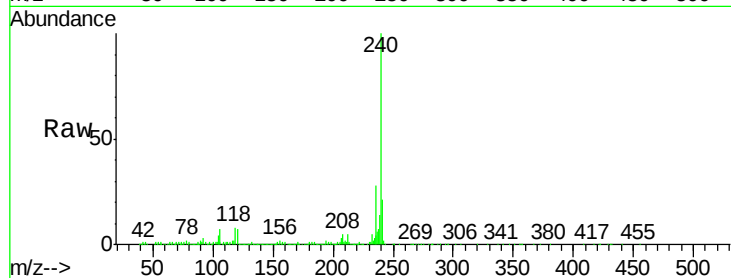




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.89 min Scan# 3243
Delta R.T. 0.01 min
Lab File: BG023229.D
Acq: 23 Jul 2016 00:06

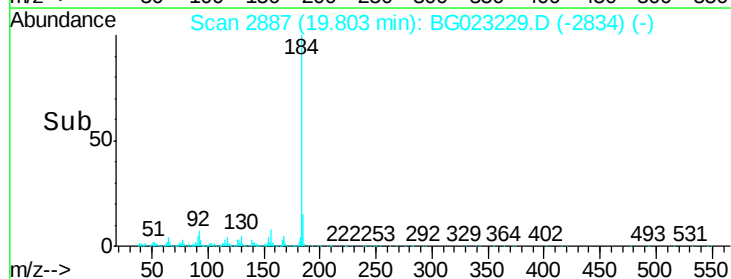
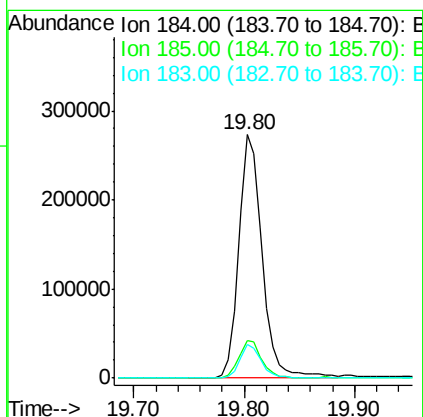
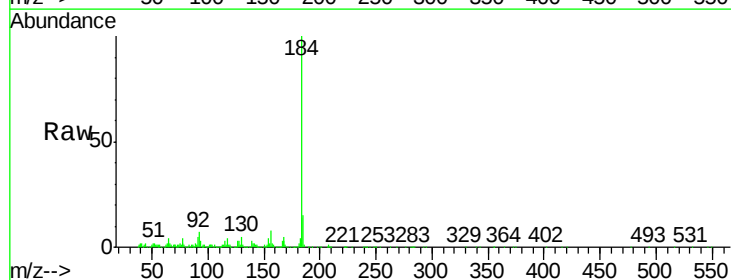
Instrument :
BNA_G
ClientSampleId :
D-6

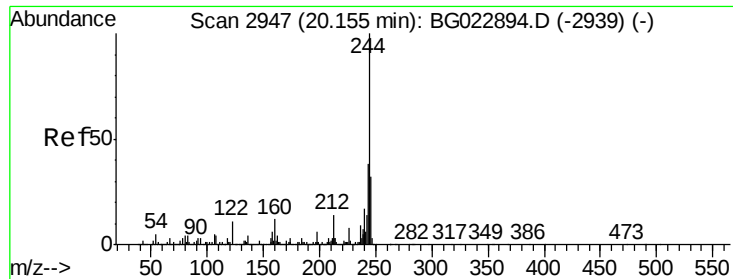
Tgt Ion:240 Resp: 1060216
Ion Ratio Lower Upper
240 100
120 7.5 4.1 6.1#
236 27.6 21.1 31.7



#76
Benzidine
Concen: 13.38 ng
RT: 19.80 min Scan# 2887
Delta R.T. 0.01 min
Lab File: BG023229.D
Acq: 23 Jul 2016 00:06

Tgt Ion:184 Resp: 406784
Ion Ratio Lower Upper
184 100
185 15.3 12.6 19.0
183 13.9 10.7 16.1





#78

Terphenyl-d14

Concen: 93.16 ng

RT: 20.18 min Scan# 2952

Delta R.T. 0.02 min

Lab File: BG023229.D

Acq: 23 Jul 2016 00:06

Instrument :

BNA_G

ClientSampleId :

D-6

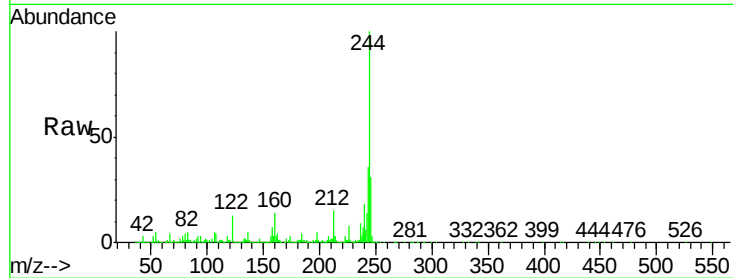
Tgt Ion:244 Resp: 3002531

Ion Ratio Lower Upper

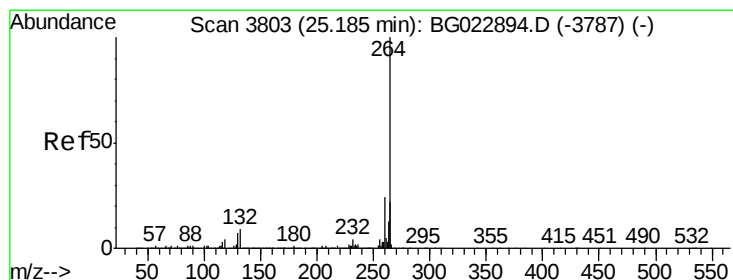
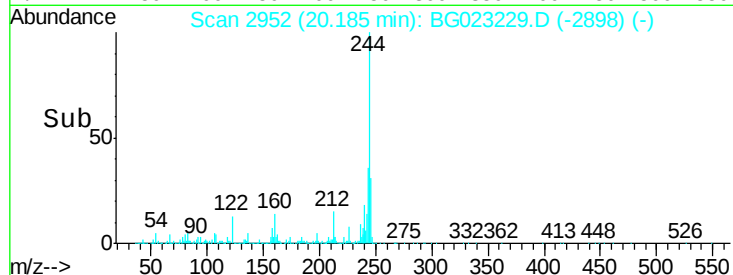
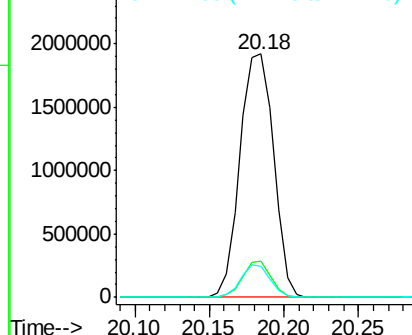
244 100

212 14.9 10.8 16.2

122 12.6 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. 0.03 min

Lab File: BG023229.D

Acq: 23 Jul 2016 00:06

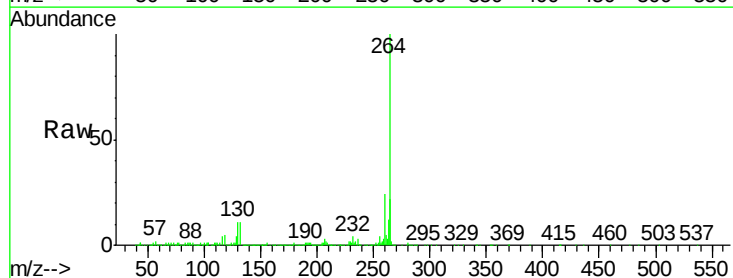
Tgt Ion:264 Resp: 1036709

Ion Ratio Lower Upper

264 100

260 23.7 18.4 27.6

265 21.6 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

