

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG121317\
 Data File : BG031527.D
 Acq On : 13 Dec 2017 14:43
 Operator : SJ/JU
 Sample : I6817-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 13 16:46:48 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG121117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 11 17:25:55 2017
 Response via : Initial Calibration

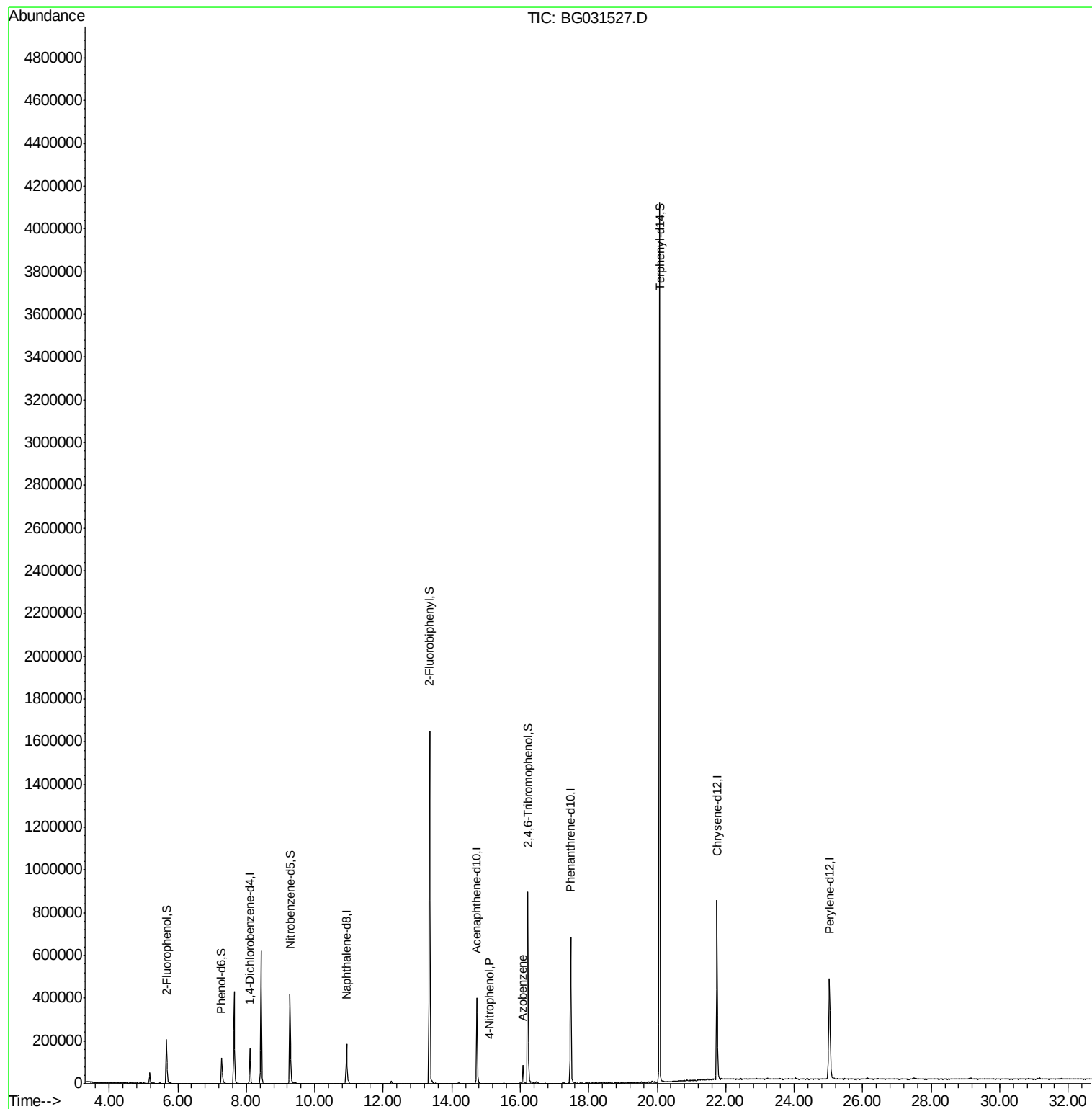
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	51178	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	217304	20.00	ng	0.00
38) Acenaphthene-d10	14.73	164	160148	20.00	ng	0.00
63) Phenanthrene-d10	17.47	188	476587	20.00	ng	0.00
75) Chrysene-d12	21.74	240	564772	20.00	ng	0.00
86) Perylene-d12	25.03	264	544491	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	121218	41.98	ng	0.00
7) Phenol-d6	7.28	99	93392	23.30	ng	0.00
23) Nitrobenzene-d5	9.27	82	294962	83.66	ng	0.00
41) 2,4,6-Tribromophenol	16.22	330	196393	104.68	ng	0.00
44) 2-Fluorobiphenyl	13.35	172	947913	86.88	ng	0.00
78) Terphenyl-d14	20.07	244	1846748	74.40	ng	0.00
Target Compounds						
55) 4-Nitrophenol	15.11	139	56	3.570	ng	# 1
62) Azobenzene	16.08	77	26764	2.431	ng	# 1

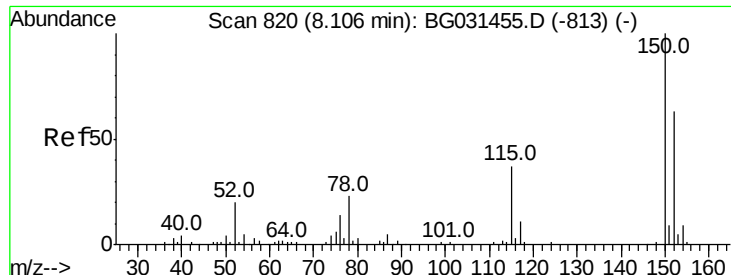
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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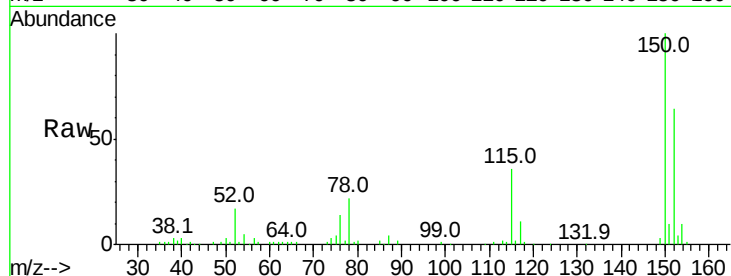


#1

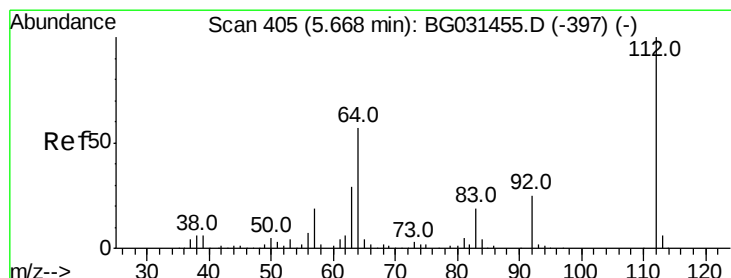
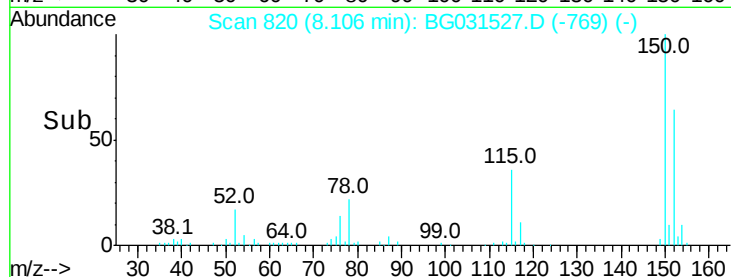
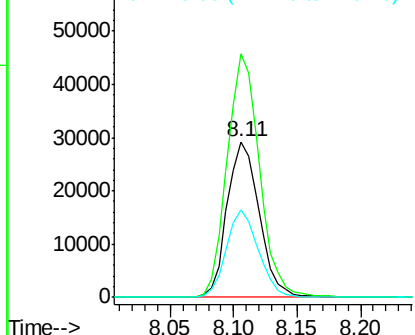
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 820
Delta R.T. -0.00 min
Lab File: BG031527.D
Acq: 13 Dec 2017 14:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 51178
Ion Ratio Lower Upper
152 100
150 156.7 126.6 189.8
115 56.2 53.0 79.4



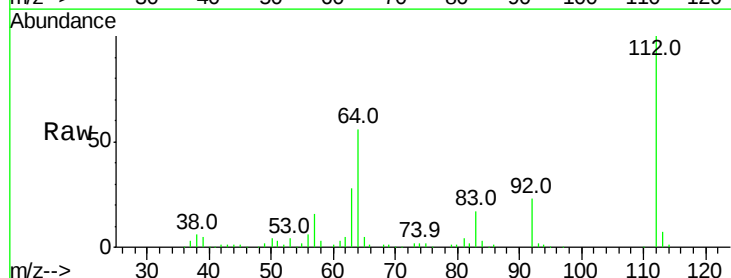
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



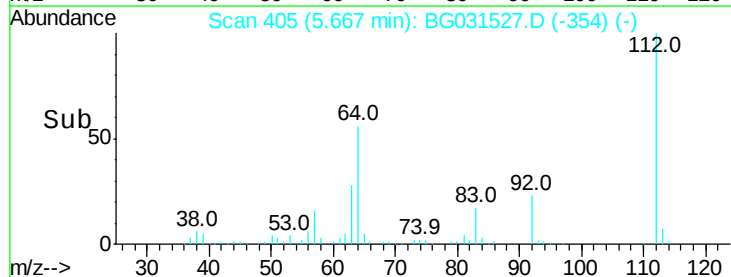
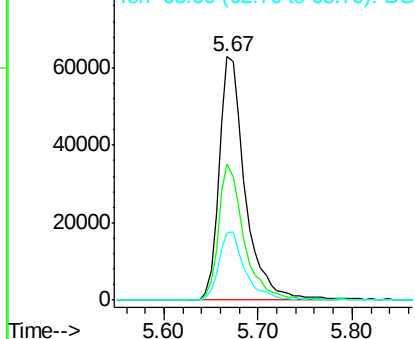
#5

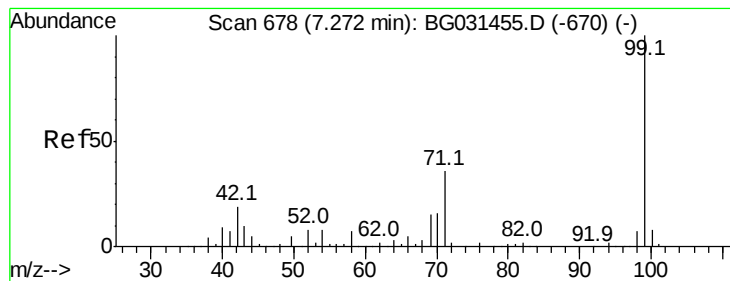
2-Fluorophenol
Concen: 41.983 ng
RT: 5.67 min Scan# 405
Delta R.T. 0.00 min
Lab File: BG031527.D
Acq: 13 Dec 2017 14:43

Tgt Ion:112 Resp: 121218
Ion Ratio Lower Upper
112 100
64 55.8 56.3 84.5#
63 27.5 30.1 45.1#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 23.300 ng

RT: 7.28 min Scan# 679

Delta R.T. 0.01 min

Lab File: BG031527.D

Acq: 13 Dec 2017 14:43

Instrument :

BNA_G

ClientSampleId :

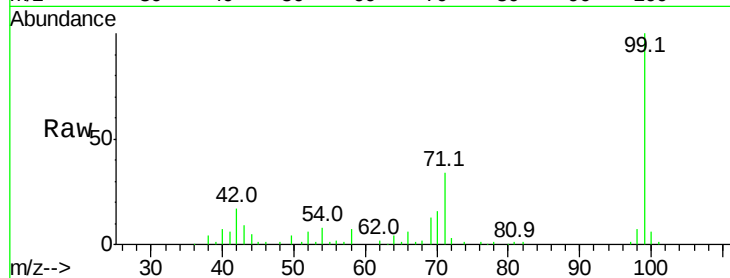
Tot Ion: 99 Resp: 93392

Ion Ratio Lower Upper

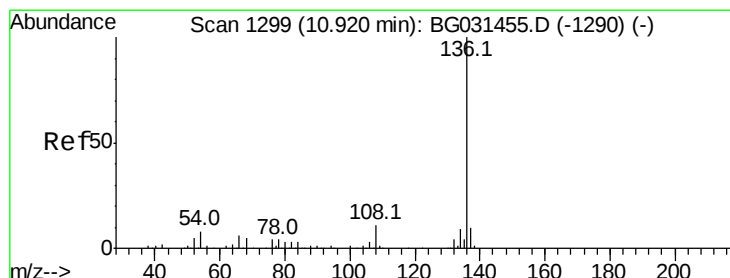
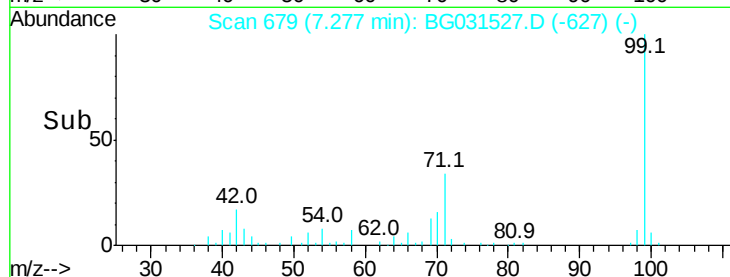
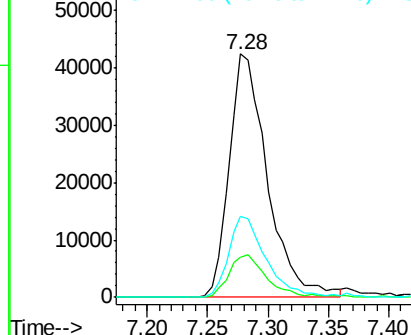
99 100

42 16.7 14.1 21.1

71 33.5 26.1 39.1



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: 10.93 min Scan# 1300

Delta R.T. 0.01 min

Lab File: BG031527.D

Acq: 13 Dec 2017 14:43

Tgt Ion: 136 Resp: 217304

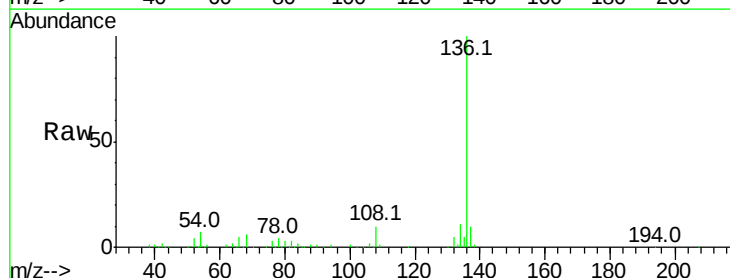
Ion Ratio Lower Upper

136 100

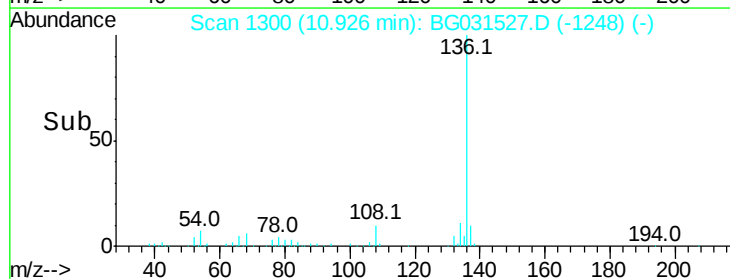
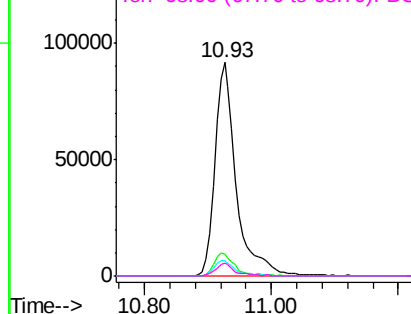
137 10.2 9.2 13.8

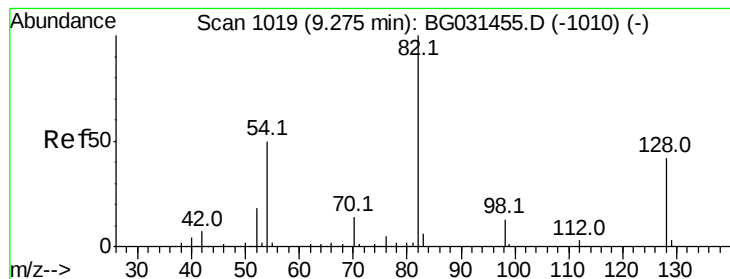
54 7.1 10.3 15.5#

68 6.2 4.5 6.7



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: 83.664 ng

RT: 9.27 min Scan# 1019

Delta R.T. -0.00 min

Lab File: BG031527.D

Acq: 13 Dec 2017 14:43

Instrument :

BNA_G

ClientSampleId :

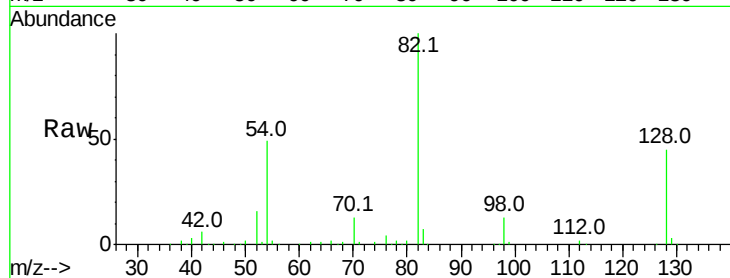
Tot Ion: 82 Resp: 294962

Ion Ratio Lower Upper

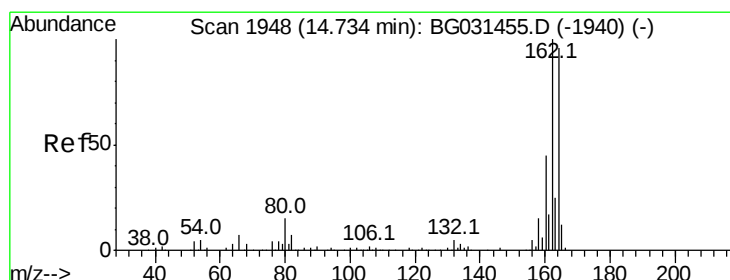
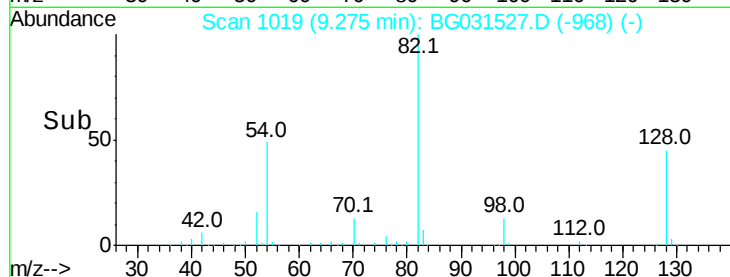
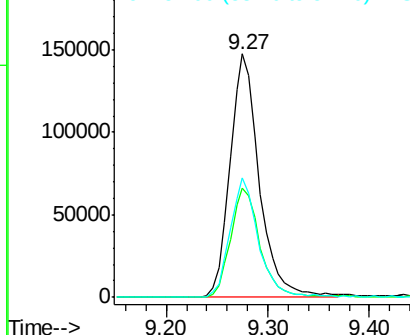
82 100

128 44.6 29.7 44.5#

54 48.9 43.1 64.7



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.73 min Scan# 1948

Delta R.T. -0.00 min

Lab File: BG031527.D

Acq: 13 Dec 2017 14:43

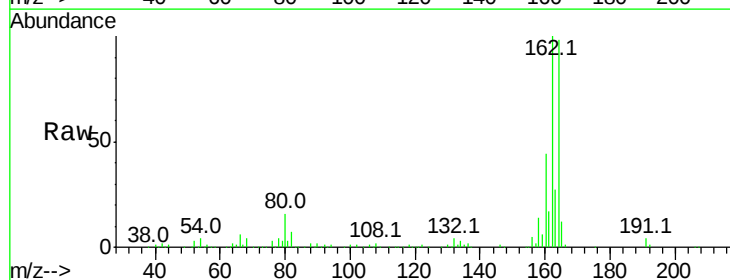
Tgt Ion:164 Resp: 160148

Ion Ratio Lower Upper

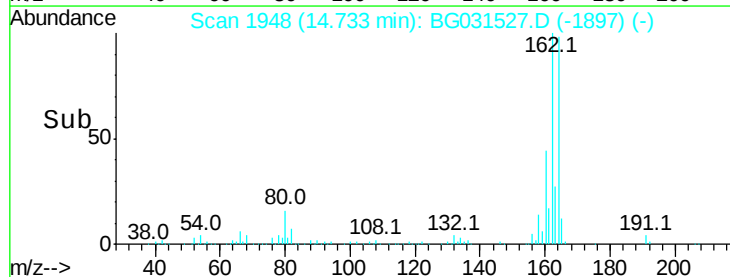
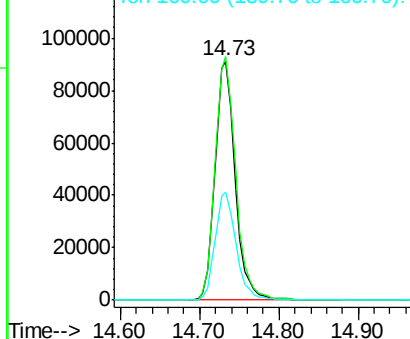
164 100

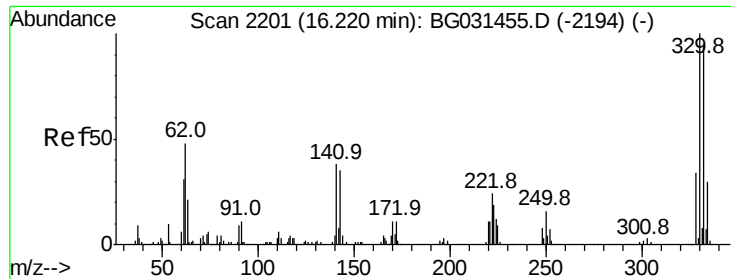
162 102.0 78.8 118.2

160 45.0 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

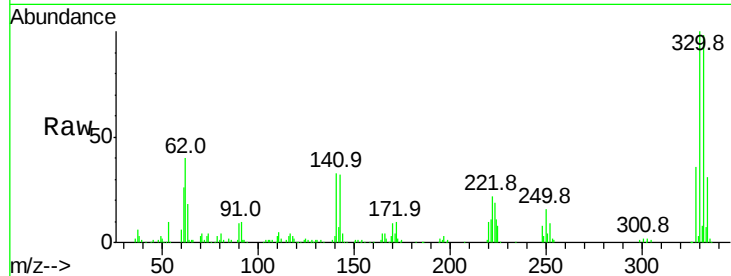




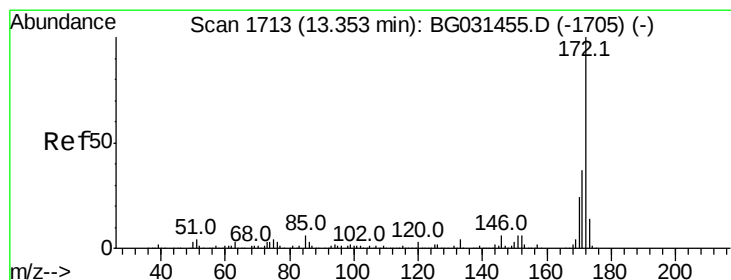
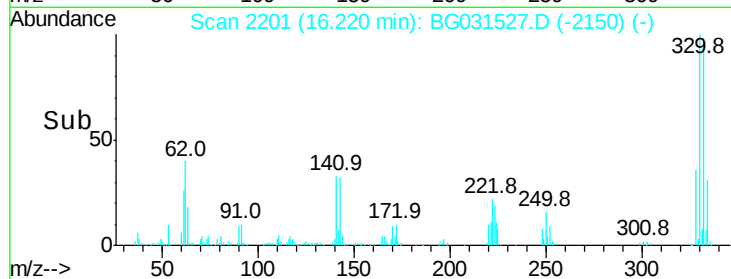
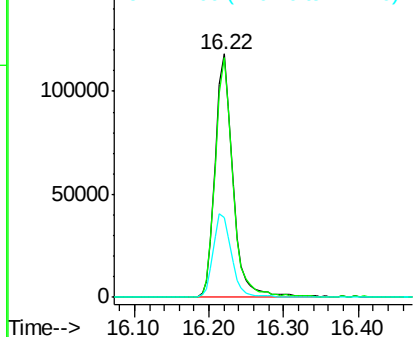
#41
 2,4,6-Tribromophenol
 Concen: 104.676 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. -0.00 min
 Lab File: BG031527.D
 Acq: 13 Dec 2017 14:43

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 196393
 Ion Ratio Lower Upper
 330 100
 332 97.6 77.0 115.6
 141 35.7 25.2 37.8

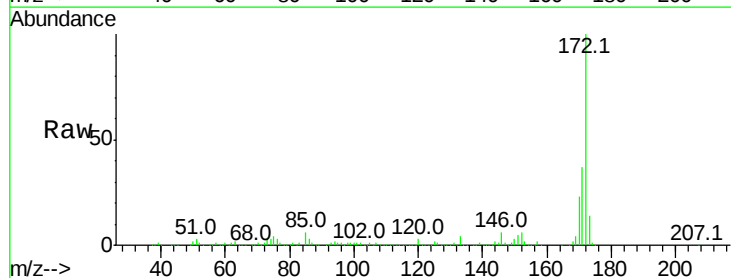


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

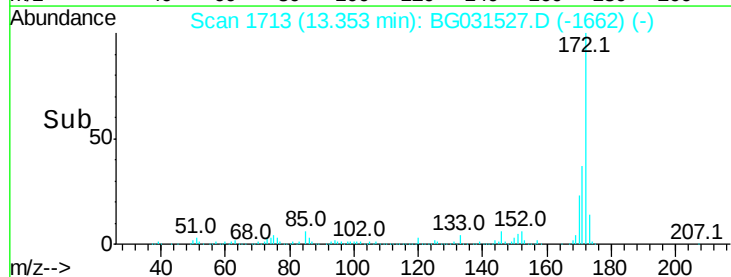
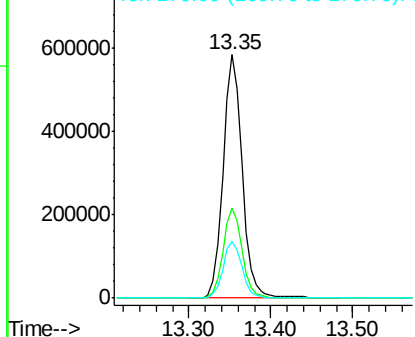


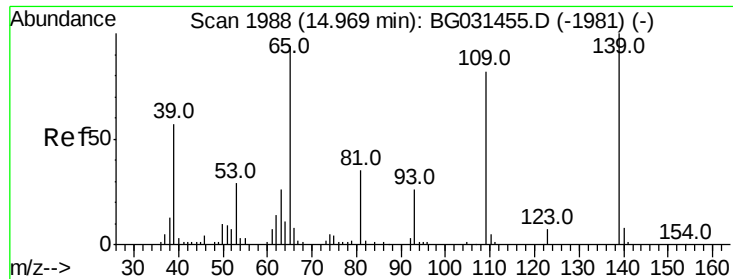
#44
 2-Fluorobiphenyl
 Concen: 86.883 ng
 RT: 13.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: BG031527.D
 Acq: 13 Dec 2017 14:43

Tgt Ion:172 Resp: 947913
 Ion Ratio Lower Upper
 172 100
 171 37.0 30.0 45.0
 170 23.4 19.5 29.3



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





#55

4-Nitrophenol

Concen: 3.570 ng

RT: 15.11 min Scan# 2012

Delta R.T. 0.14 min

Lab File: BG031527.D

Acq: 13 Dec 2017 14:43

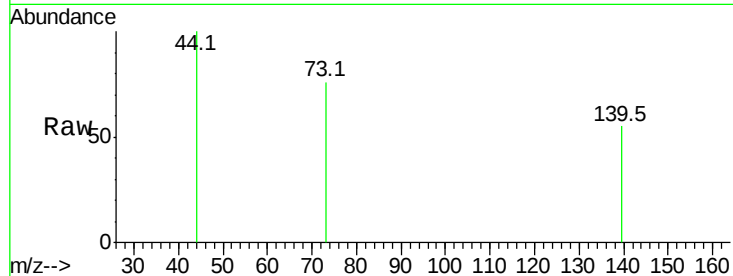
Instrument :

BNA_G

ClientSampleId :

Tot Ion:139 Resp: 56

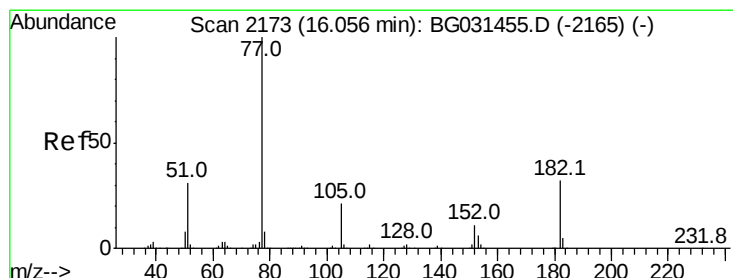
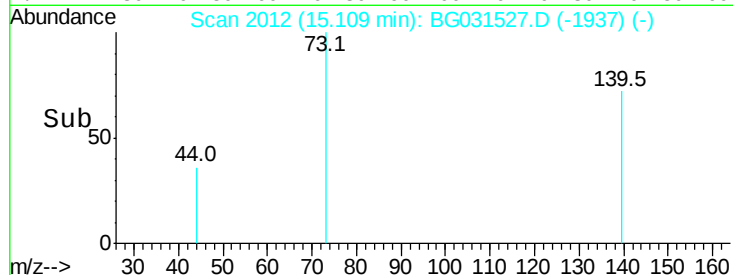
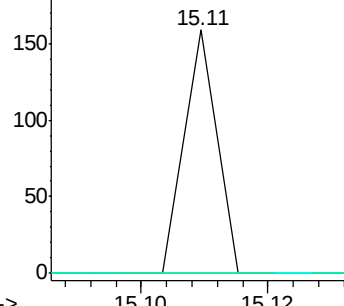
Ion	Ratio	Lower	Upper
139	100		
109	0.0	62.2	102.2#
65	0.0	97.2	137.2#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#62

Azobenzene

Concen: 2.431 ng

RT: 16.08 min Scan# 2177

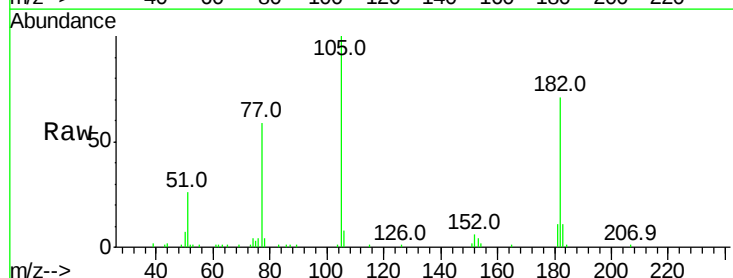
Delta R.T. 0.02 min

Lab File: BG031527.D

Acq: 13 Dec 2017 14:43

Tgt Ion: 77 Resp: 26764

Ion	Ratio	Lower	Upper
77	100		
182	120.9	7.4	47.4#
105	170.8	0.3	40.3#
51	44.1	11.6	51.6

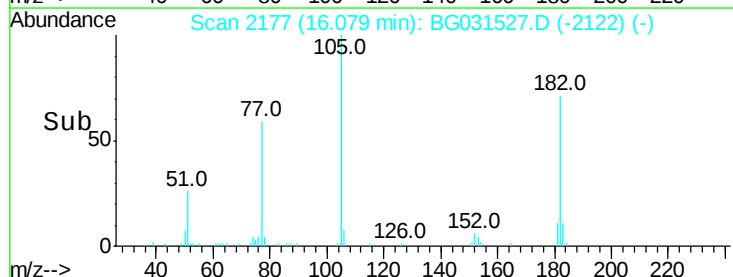
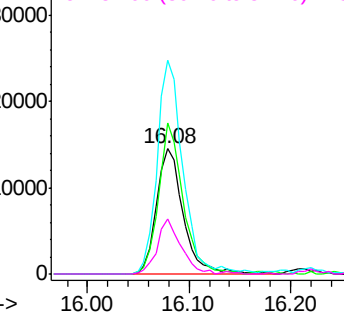


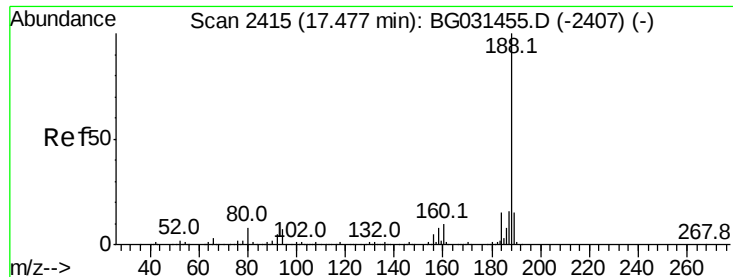
Abundance Ion 77.00 (76.70 to 77.70): BGC

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): BGC





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.47 min Scan# 2414

Delta R.T. -0.01 min

Lab File: BG031527.D

Acq: 13 Dec 2017 14:43

Instrument :

BNA_G

ClientSampleId :

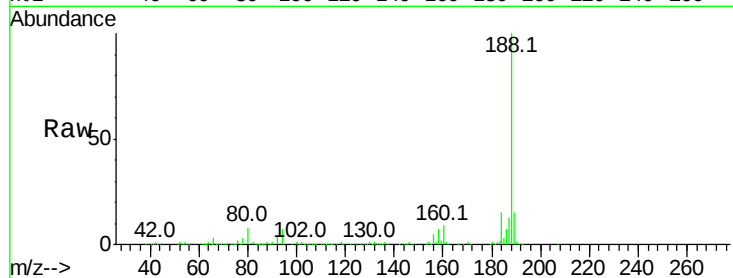
Tot Ion:188 Resp: 476587

Ion Ratio Lower Upper

188 100

94 7.0 6.9 10.3

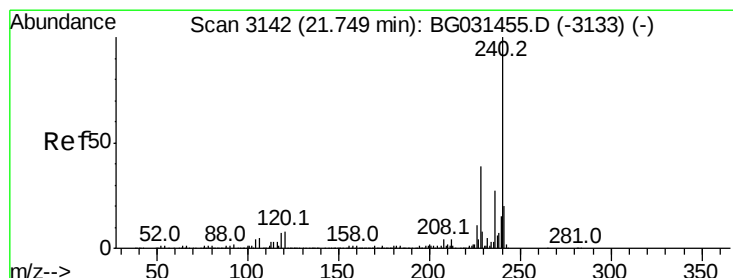
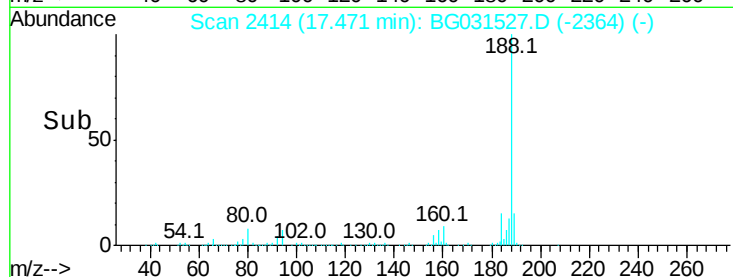
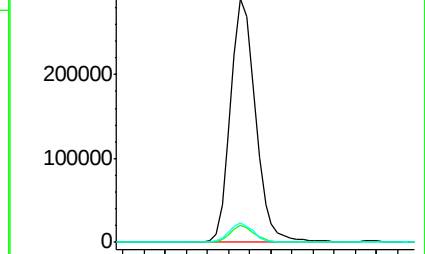
80 8.2 7.7 11.5



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.74 min Scan# 3141

Delta R.T. -0.01 min

Lab File: BG031527.D

Acq: 13 Dec 2017 14:43

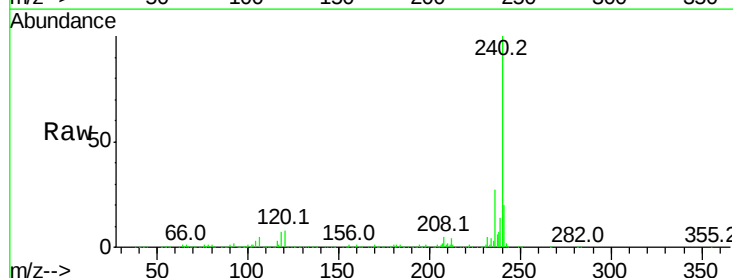
Tgt Ion:240 Resp: 564772

Ion Ratio Lower Upper

240 100

120 7.9 6.8 10.2

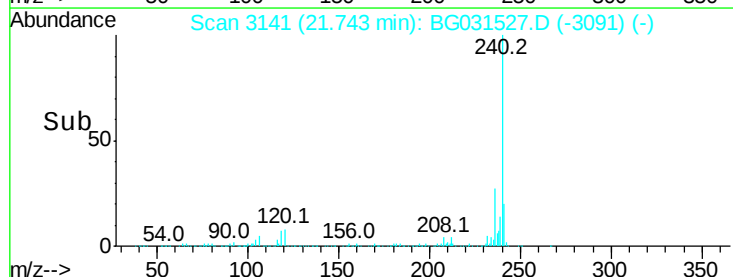
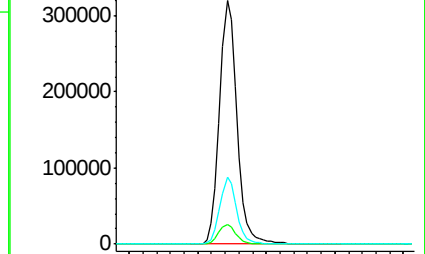
236 27.3 20.9 31.3

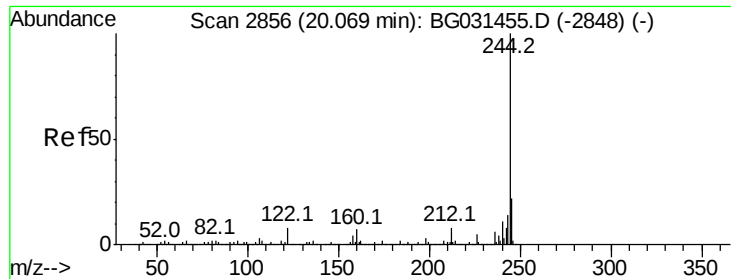


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 74.396 ng

RT: 20.07 min Scan# 2856

Delta R.T. -0.00 min

Lab File: BG031527.D

Acq: 13 Dec 2017 14:43

Instrument :

BNA_G

ClientSampleId :

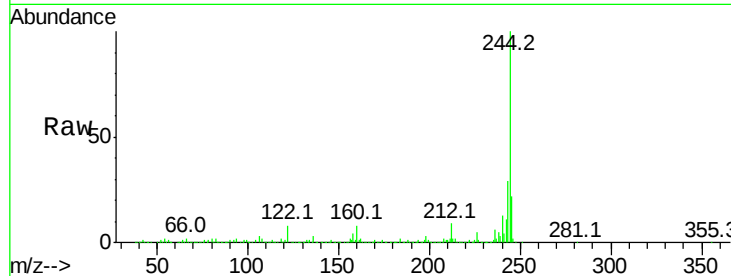
Tot Ion:244 Resp: 1846748

Ion Ratio Lower Upper

244 100

212 8.5 5.8 8.8

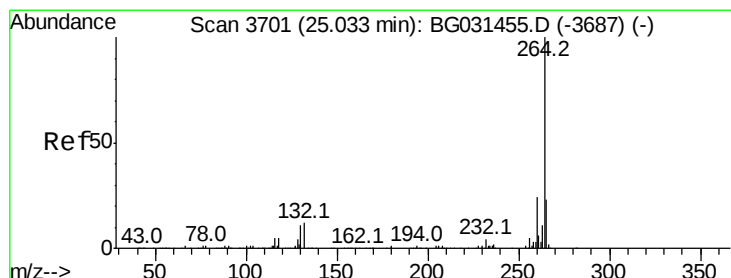
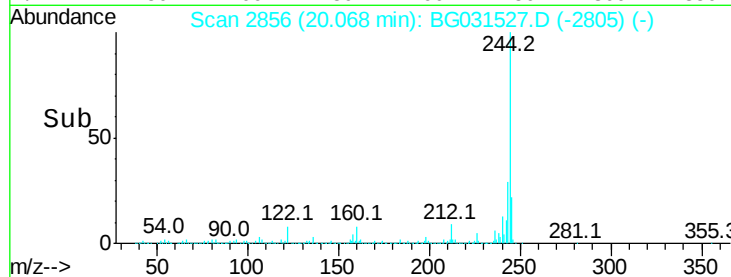
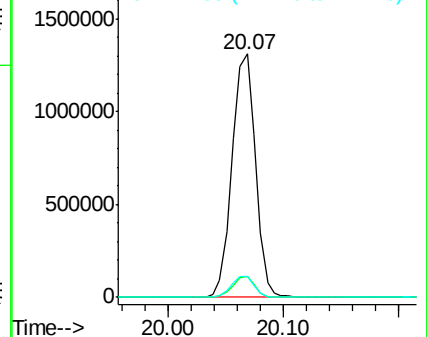
122 8.4 7.0 10.4



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: 20.000 ng

RT: 25.03 min Scan# 3700

Delta R.T. -0.01 min

Lab File: BG031527.D

Acq: 13 Dec 2017 14:43

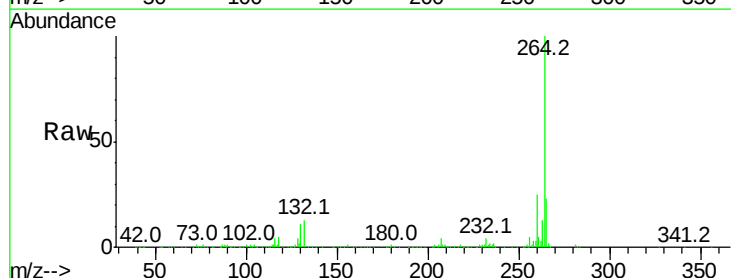
Tgt Ion:264 Resp: 544491

Ion Ratio Lower Upper

264 100

260 25.1 17.4 26.0

265 22.5 17.7 26.5



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

