

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061517\
 Data File : BG027462.D
 Acq On : 16 Jun 2017 4:18
 Operator : SJ/MA
 Sample : I3689-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 16 04:57:37 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG061417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 14 19:09:08 2017
 Response via : Initial Calibration

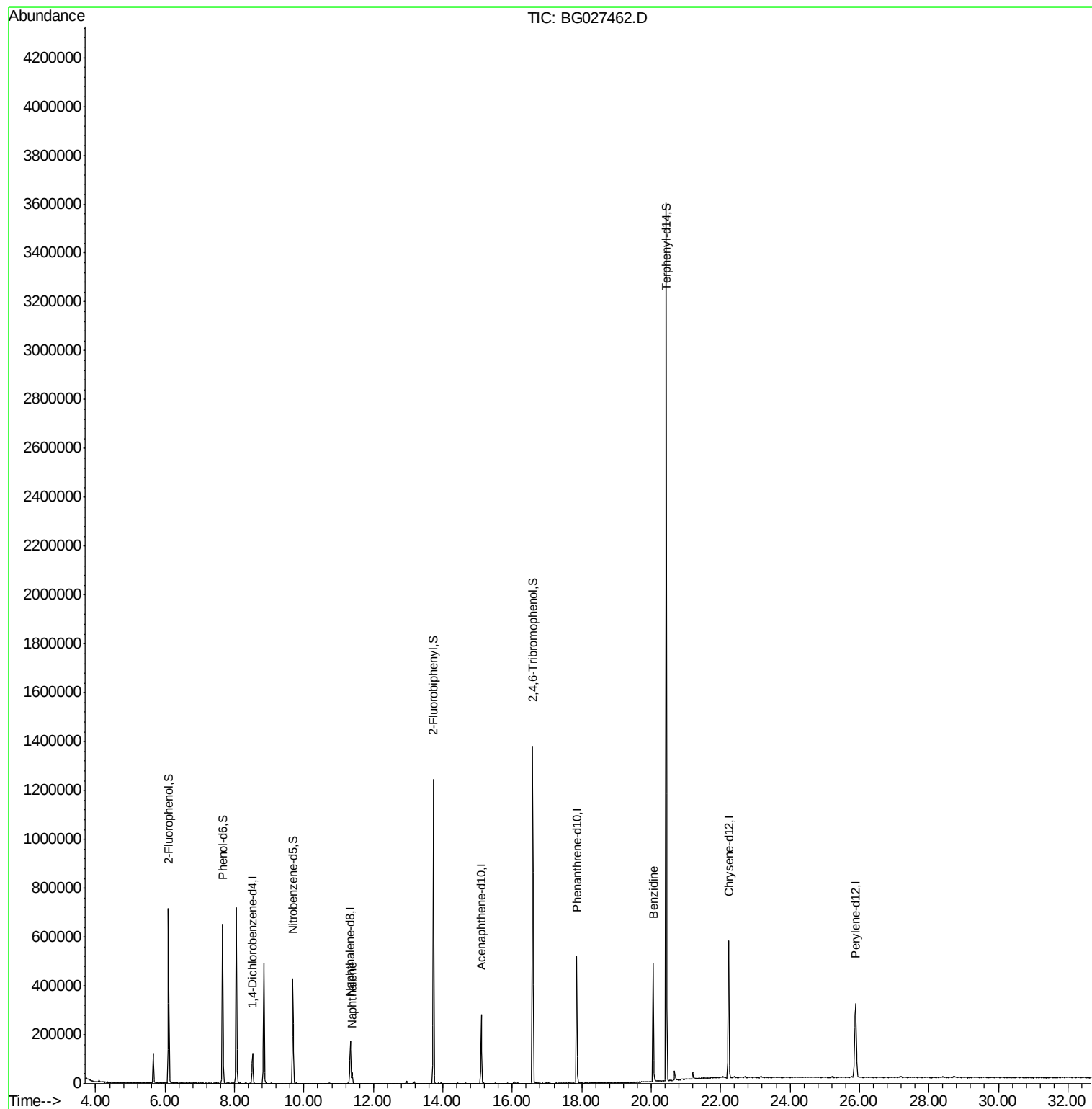
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.52	152	33915	20.00	ng	0.00
21) Naphthalene-d8	11.34	136	152519	20.00	ng	0.00
38) Acenaphthene-d10	15.11	164	98600	20.00	ng	0.00
63) Phenanthrene-d10	17.86	188	318566	20.00	ng	0.00
75) Chrysene-d12	22.23	240	378200	20.00	ng	0.00
86) Perylene-d12	25.89	264	365490	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.11	112	318084	132.55	ng	0.00
7) Phenol-d6	7.66	99	410399	111.28	ng	0.00
23) Nitrobenzene-d5	9.68	82	287075	95.96	ng	0.00
41) 2,4,6-Tribromophenol	16.59	330	274634	185.58	ng	0.00
44) 2-Fluorobiphenyl	13.73	172	639291	93.66	ng	0.00
78) Terphenyl-d14	20.44	244	1582876	107.27	ng	0.00
Target Compounds						
31) Naphthalene	11.39	128	37649	4.52	ng	97
76) Benzidine	20.06	184	278906	33.63	ng	96

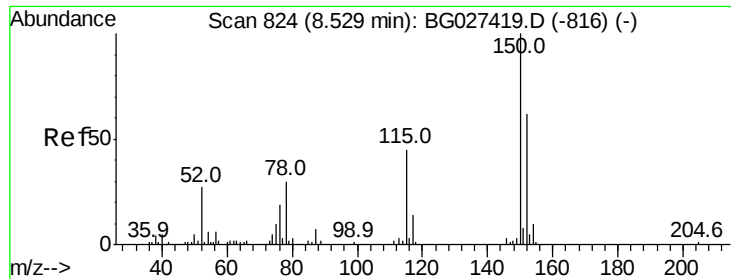
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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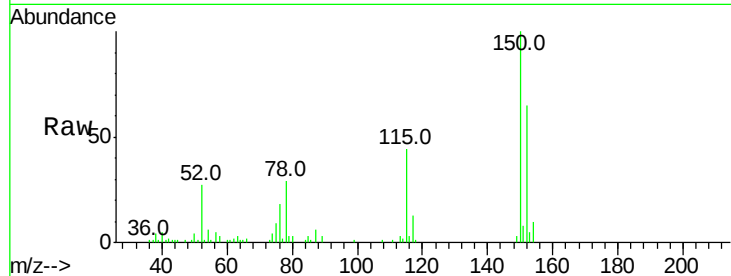


#1

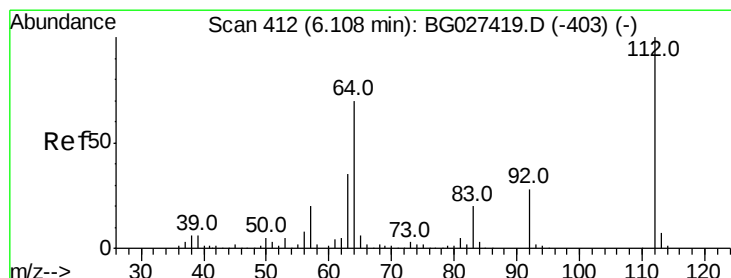
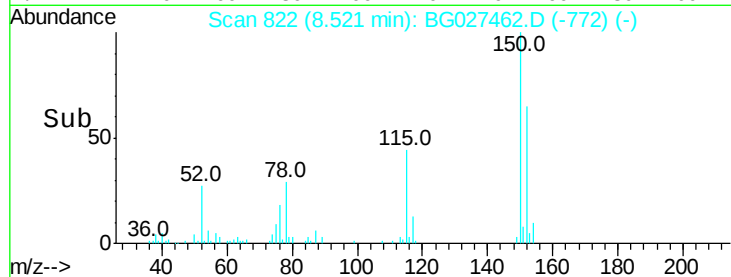
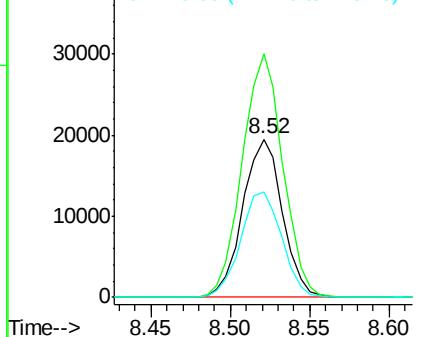
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.52 min Scan# 822
Delta R.T. -0.01 min
Lab File: BG027462.D
Acq: 16 Jun 2017 4:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	114.0	171.0
115	67.0	48.1	72.1



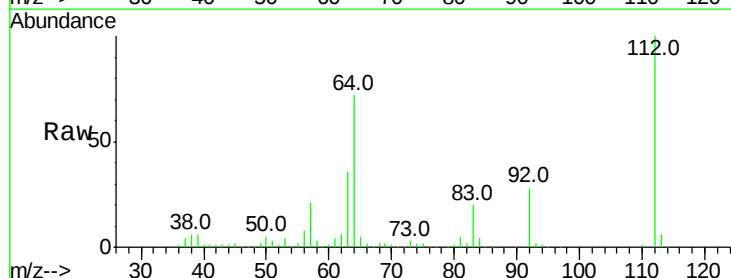
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



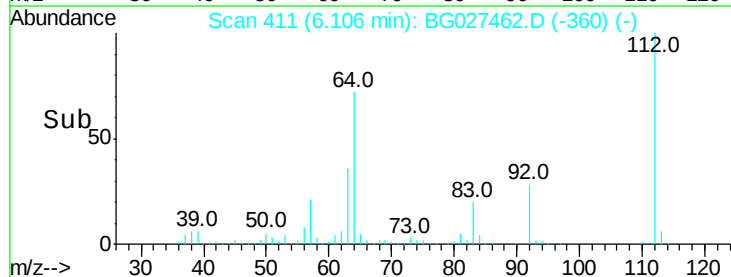
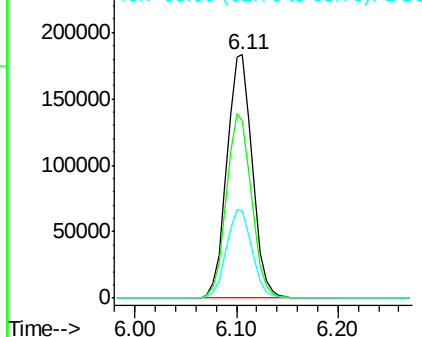
#5

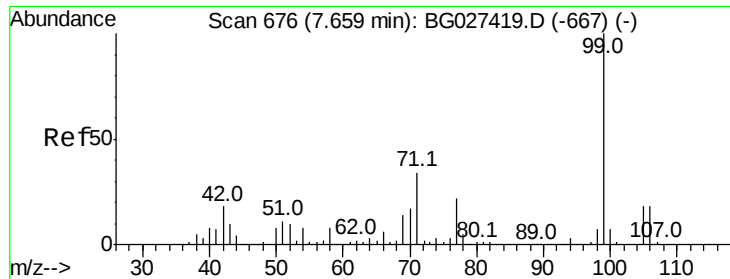
2-Fluorophenol
Concen: 132.55 ng
RT: 6.11 min Scan# 411
Delta R.T. -0.00 min
Lab File: BG027462.D
Acq: 16 Jun 2017 4:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.5	61.8	92.6
63	35.7	37.2	55.8#



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: 111.28 ng

RT: 7.66 min Scan# 675

Delta R.T. -0.00 min

Lab File: BG027462.D

Acq: 16 Jun 2017 4:18

Instrument :

BNA_G

ClientSampleId :

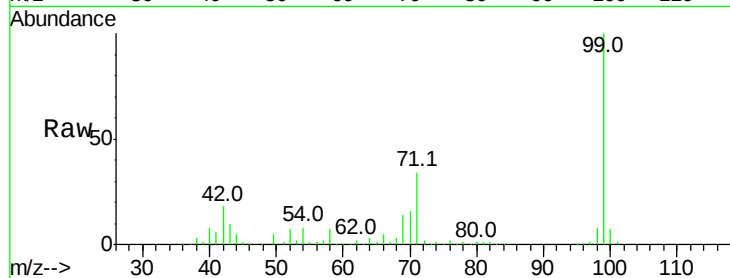
Tot Ion: 99 Resp: 410399

Ion Ratio Lower Upper

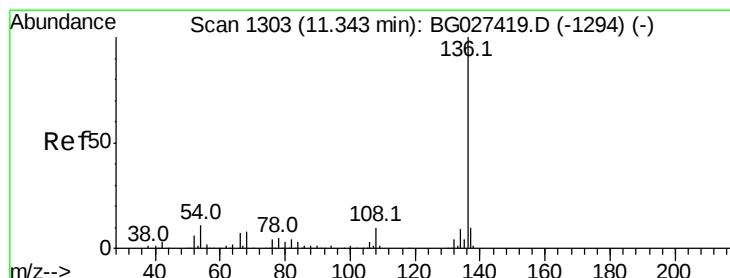
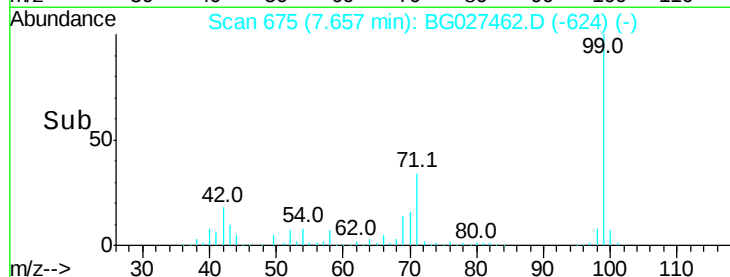
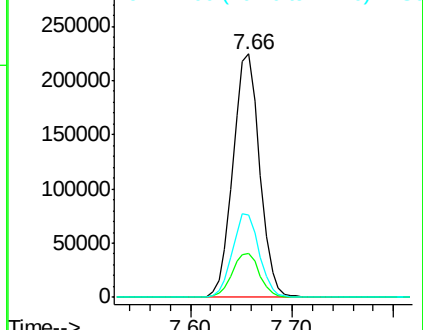
99 100

42 18.1 20.5 30.7#

71 33.7 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: 20.00 ng

RT: 11.34 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BG027462.D

Acq: 16 Jun 2017 4:18

Tgt Ion: 136 Resp: 152519

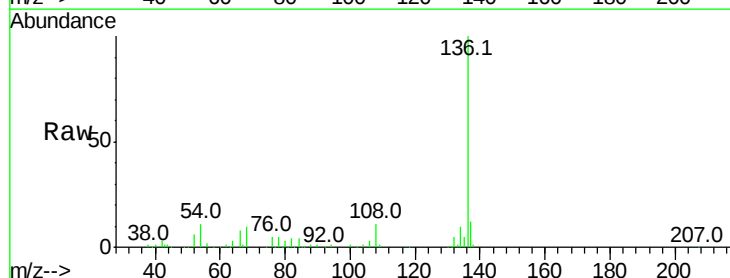
Ion Ratio Lower Upper

136 100

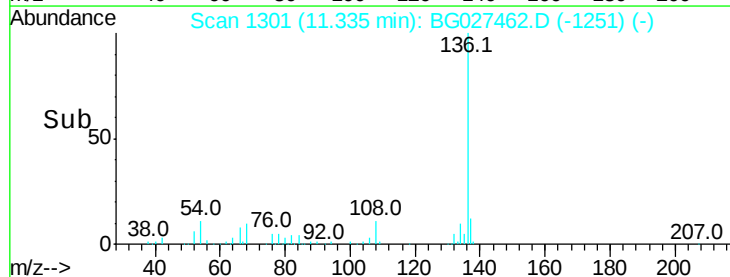
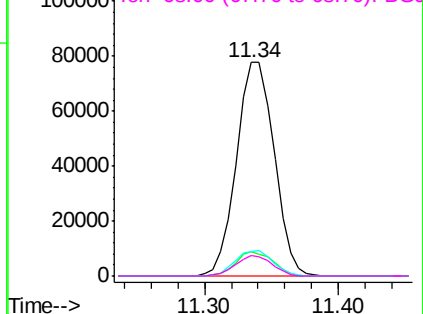
137 11.6 8.9 13.3

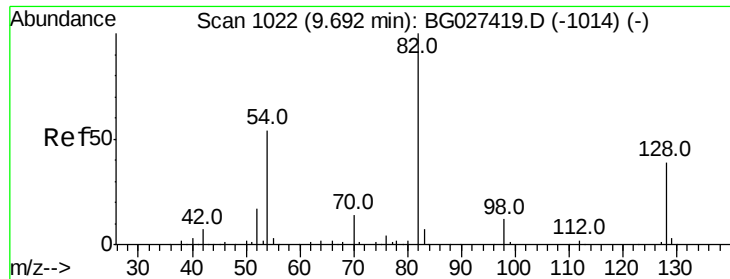
54 11.4 9.3 13.9

68 9.6 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

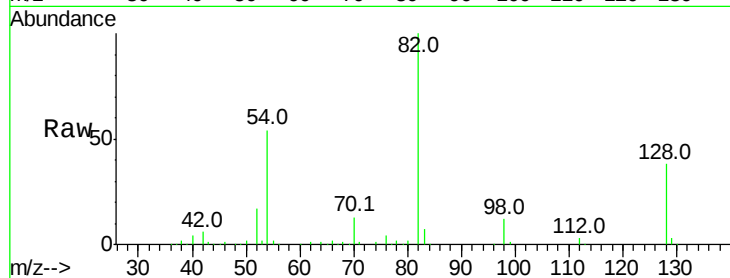




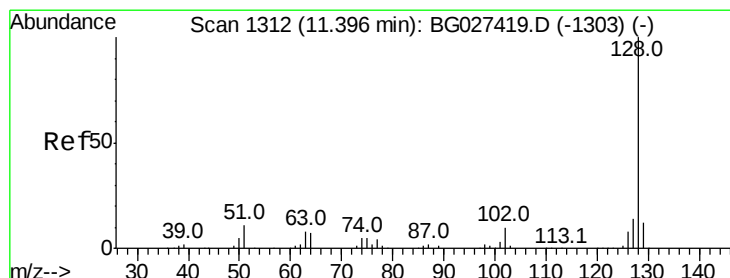
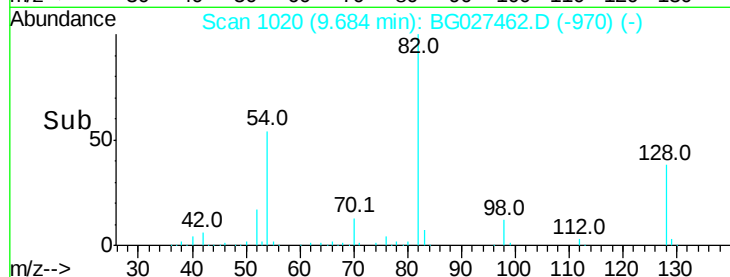
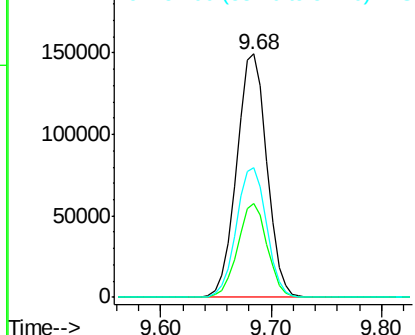
#23
Nitrobenzene-d5
Concen: 95.96 ng
RT: 9.68 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BG027462.D
Acq: 16 Jun 2017 4:18

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.4	26.4	39.6
54	53.5	49.4	74.2

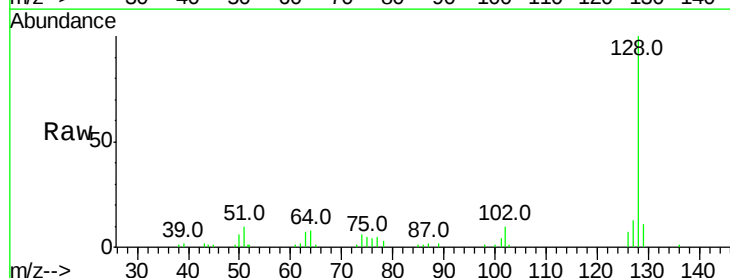


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

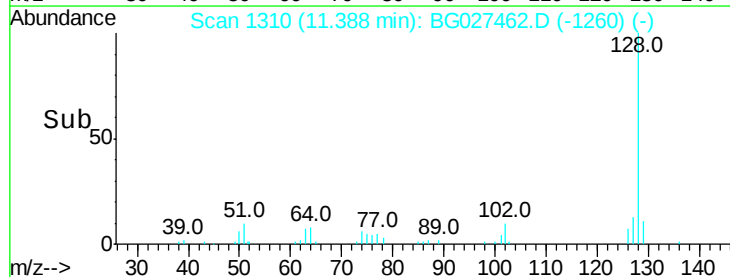
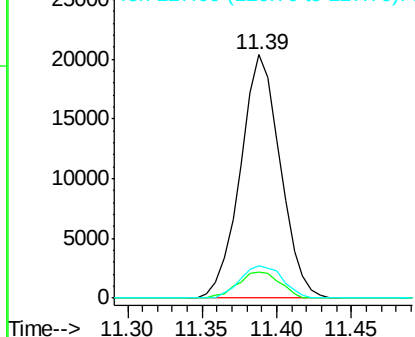


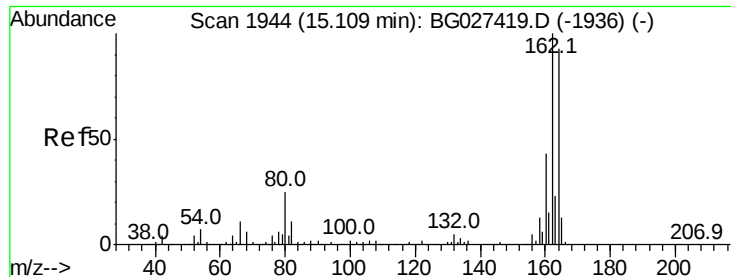
#31
Naphthalene
Concen: 4.52 ng
RT: 11.39 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BG027462.D
Acq: 16 Jun 2017 4:18

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.5	9.3	13.9
127	13.2	11.4	17.0



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: 15.11 min Scan# 1943

Delta R.T. -0.00 min

Lab File: BG027462.D

Acq: 16 Jun 2017 4:18

Instrument :

BNA_G

ClientSampleId :

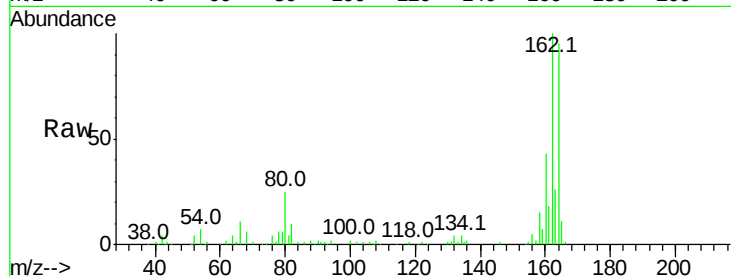
Tot Ion:164 Resp: 98600

Ion Ratio Lower Upper

164 100

162 105.5 85.1 127.7

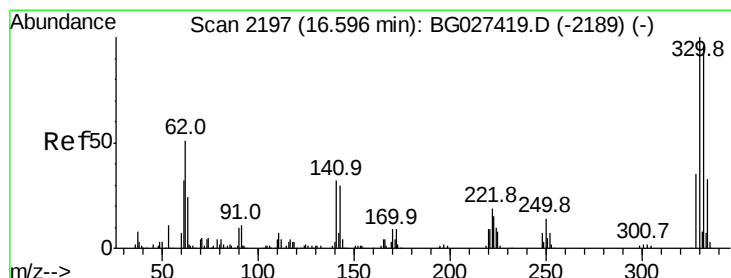
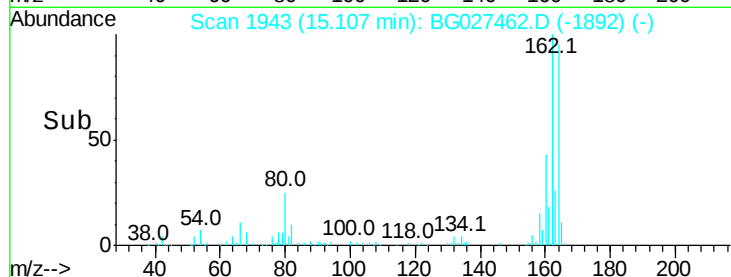
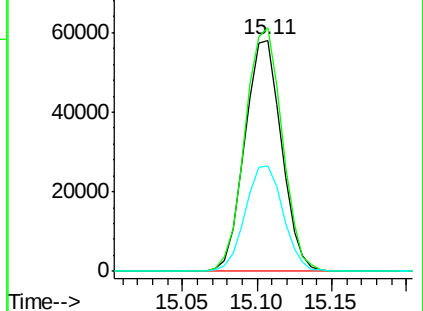
160 45.4 34.7 52.1



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: 185.58 ng

RT: 16.59 min Scan# 2196

Delta R.T. -0.00 min

Lab File: BG027462.D

Acq: 16 Jun 2017 4:18

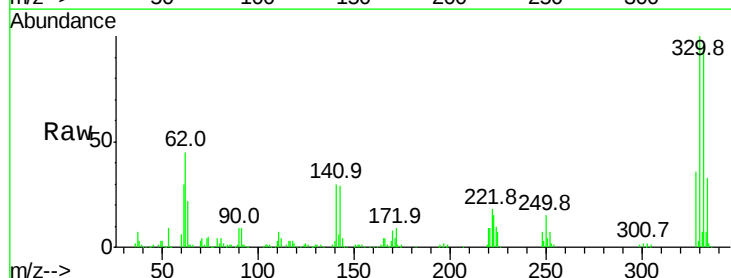
Tgt Ion:330 Resp: 274634

Ion Ratio Lower Upper

330 100

332 97.0 77.3 115.9

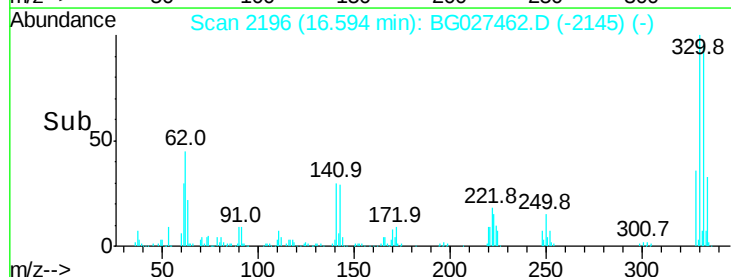
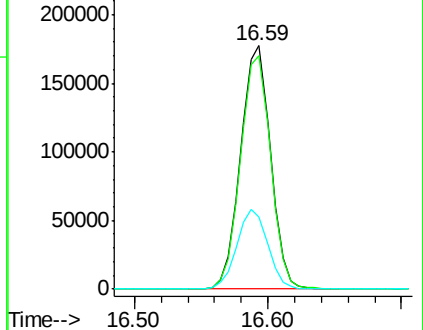
141 33.8 32.1 48.1

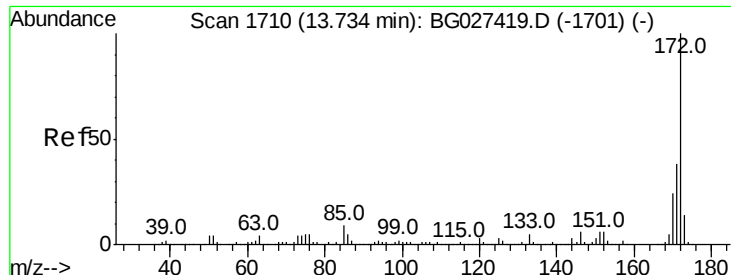


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

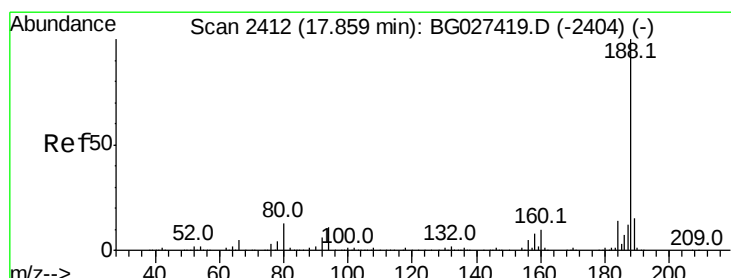
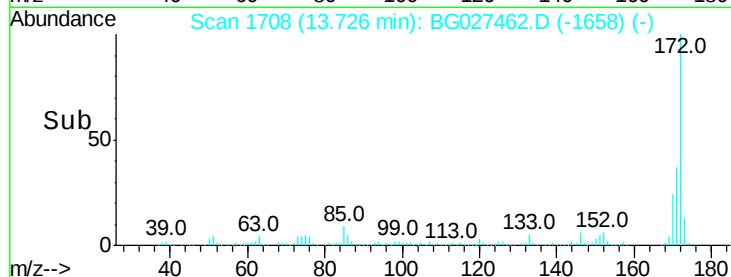
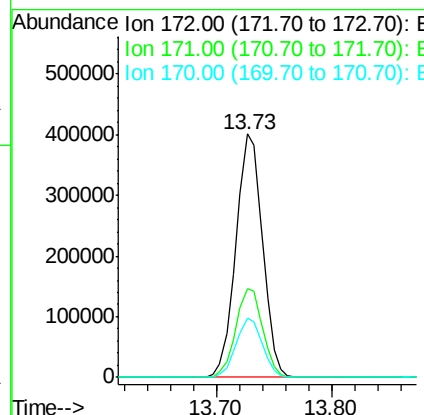
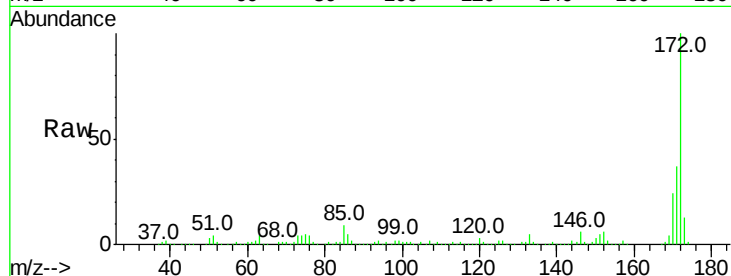




#44
 2-Fluorobiphenyl
 Concen: 93.66 ng
 RT: 13.73 min Scan# 1708
 Delta R.T. -0.01 min
 Lab File: BG027462.D
 Acq: 16 Jun 2017 4:18

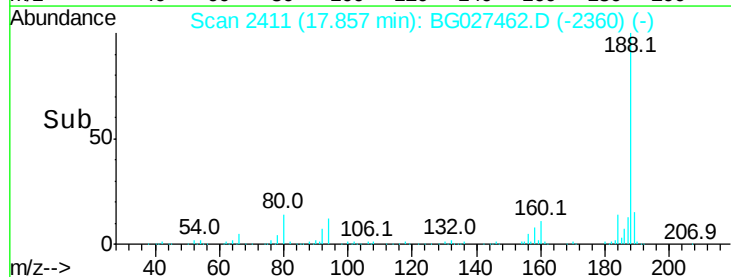
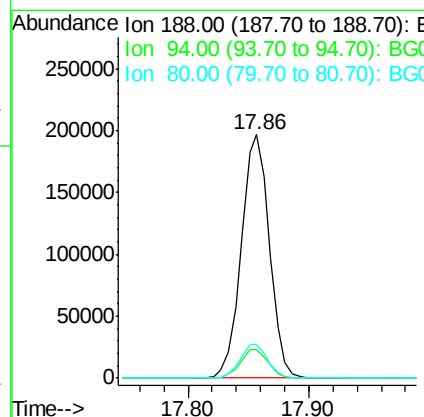
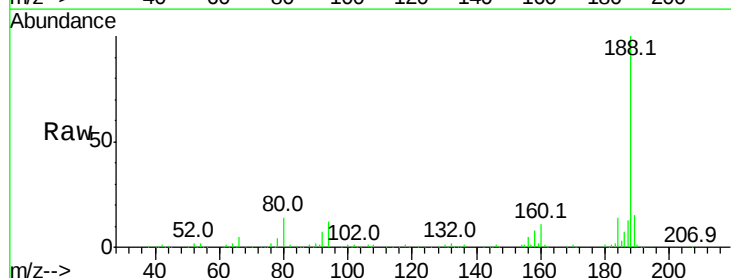
Instrument :
 BNA_G
 ClientSampleId :

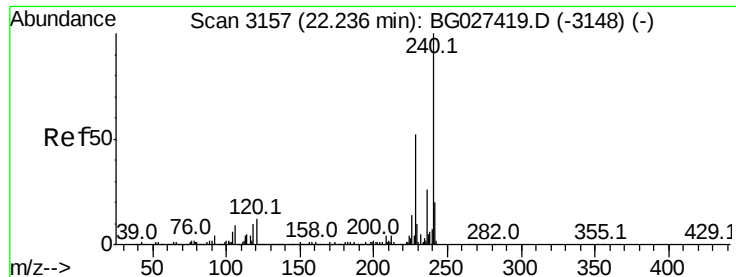
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	32.2	48.2
170	24.4	21.8	32.6



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.86 min Scan# 2411
 Delta R.T. -0.00 min
 Lab File: BG027462.D
 Acq: 16 Jun 2017 4:18

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.7	5.8	8.8#
80	13.8	7.5	11.3#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.23 min Scan# 3156

Delta R.T. -0.00 min

Lab File: BG027462.D

Acq: 16 Jun 2017 4:18

Instrument :

BNA_G

ClientSampleId :

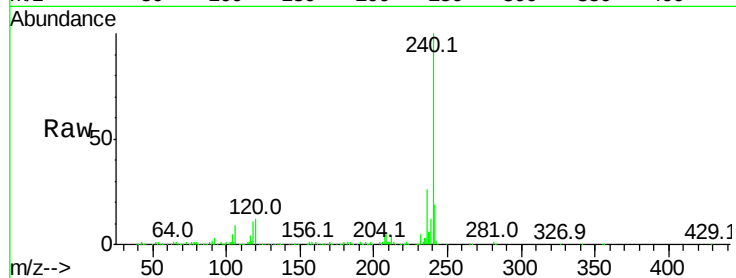
Tot Ion:240 Resp: 378200

Ion Ratio Lower Upper

240 100

120 11.6 5.7 8.5#

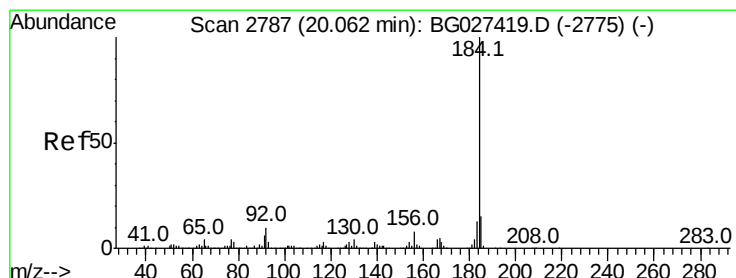
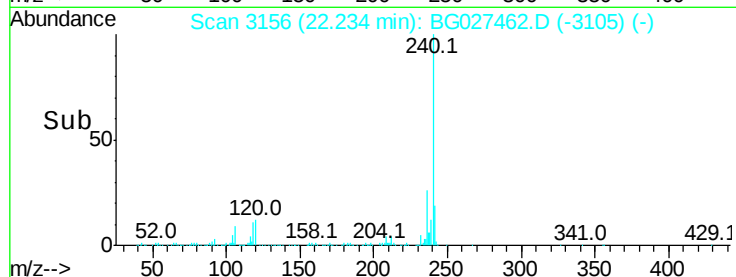
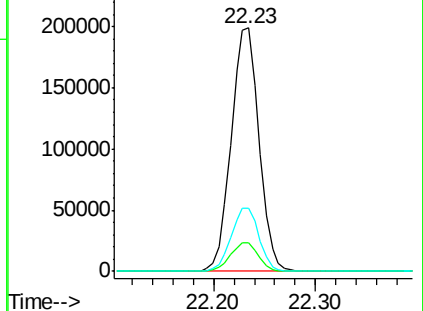
236 26.1 22.2 33.4



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



#76

Benzidine

Concen: 33.63 ng

RT: 20.06 min Scan# 2786

Delta R.T. -0.00 min

Lab File: BG027462.D

Acq: 16 Jun 2017 4:18

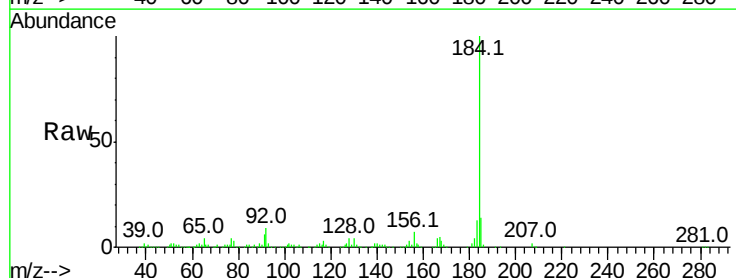
Tgt Ion:184 Resp: 278906

Ion Ratio Lower Upper

184 100

185 13.9 13.0 19.6

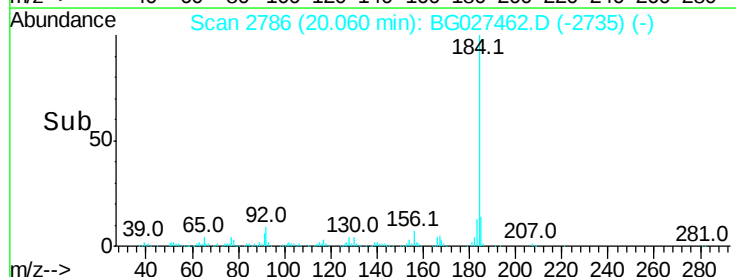
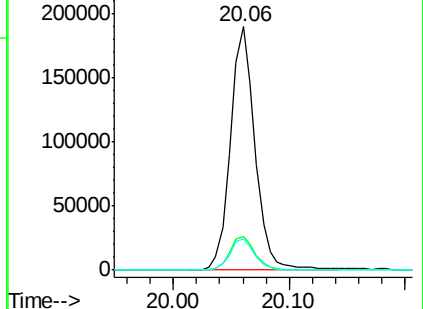
183 12.7 11.0 16.6

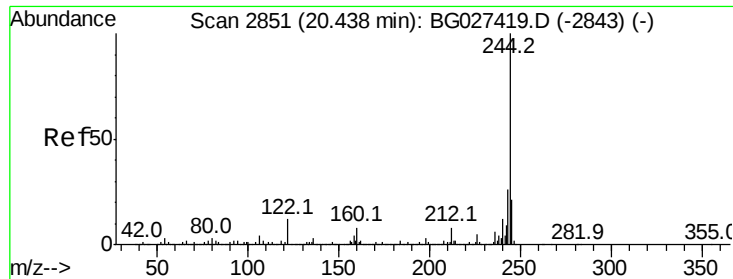


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 107.27 ng

RT: 20.44 min Scan# 2850

Delta R.T. -0.00 min

Lab File: BG027462.D

Acq: 16 Jun 2017 4:18

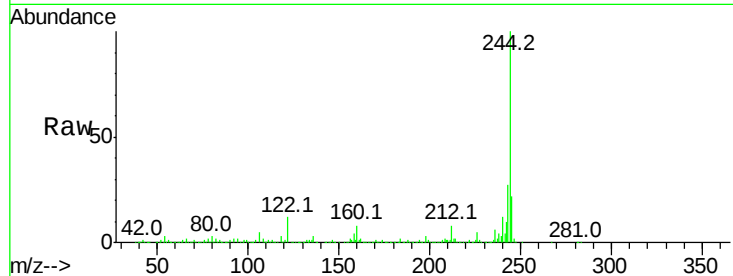
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1582876

Ion	Ratio	Lower	Upper
244	100		
212	8.3	10.0	15.0#
122	11.7	8.6	12.8

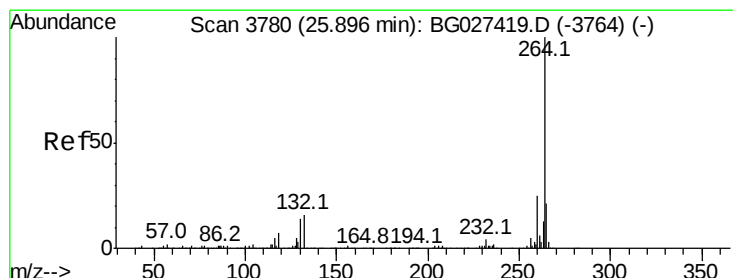
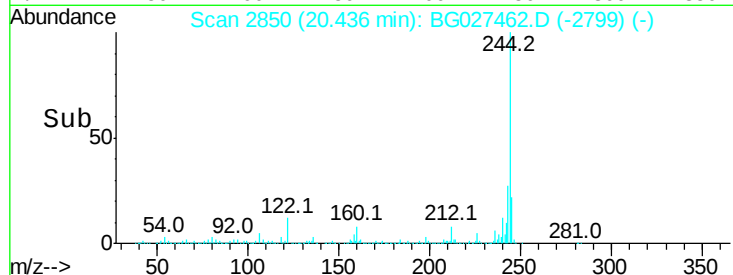
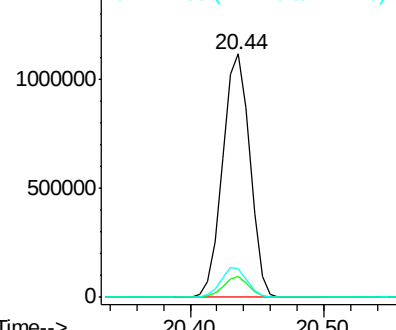


Abundance

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



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.89 min Scan# 3778

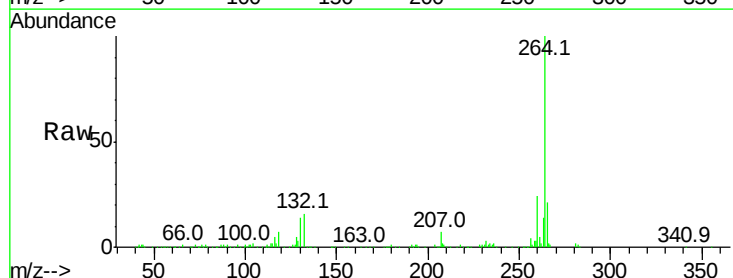
Delta R.T. -0.01 min

Lab File: BG027462.D

Acq: 16 Jun 2017 4:18

Tgt Ion:264 Resp: 365490

Ion	Ratio	Lower	Upper
264	100		
260	23.6	21.8	32.8
265	20.5	18.2	27.4



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

