

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101717\
 Data File : BG029308.D
 Acq On : 17 Oct 2017 19:32
 Operator : SJ/JU
 Sample : I5821-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 18 00:53:31 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 16 17:32:15 2017
 Response via : Initial Calibration

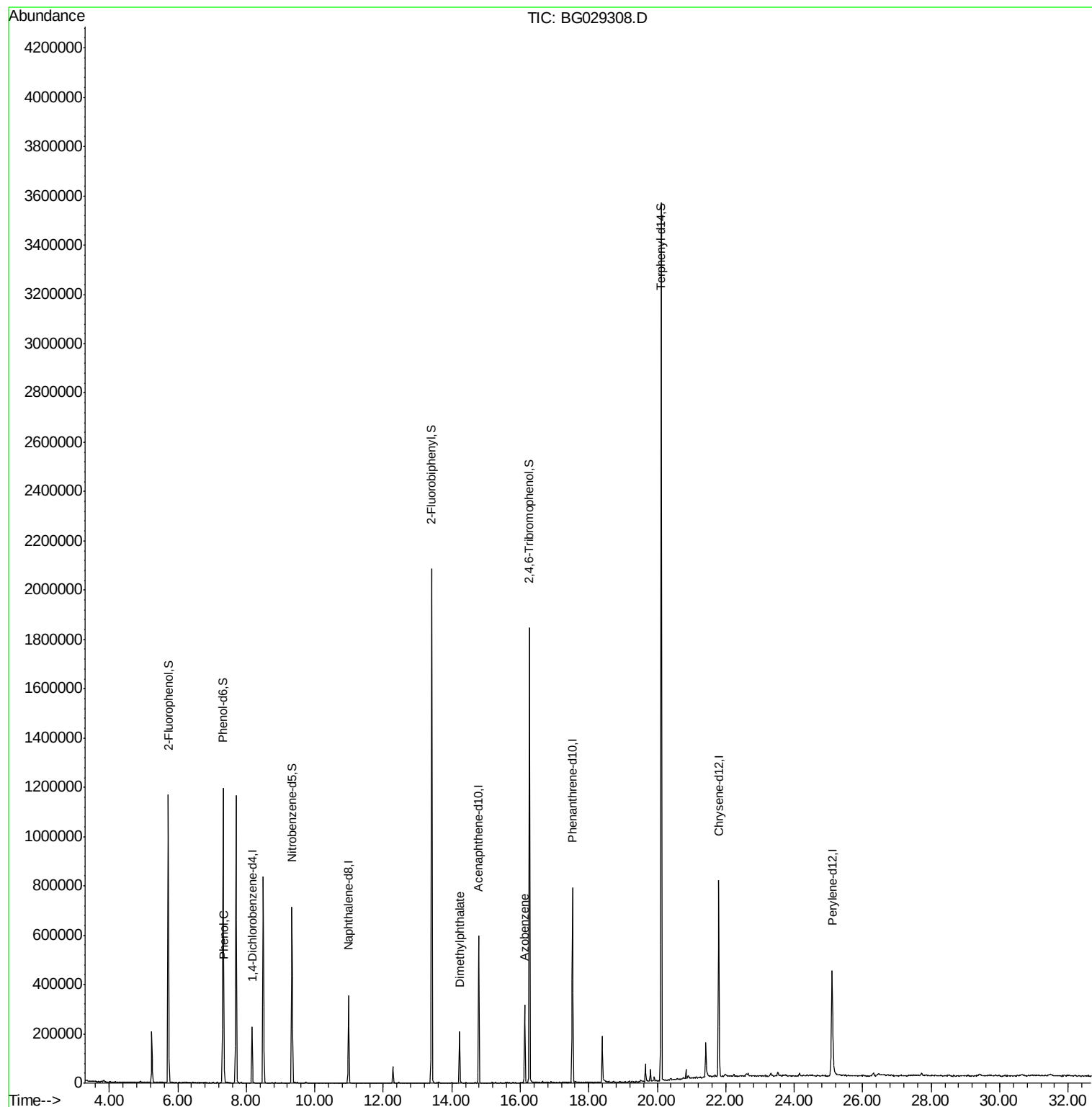
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	65878	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	311188	20.00	ng	0.00
38) Acenaphthene-d10	14.79	164	207414	20.00	ng	0.00
63) Phenanthrene-d10	17.52	188	475039	20.00	ng	0.00
75) Chrysene-d12	21.80	240	500196	20.00	ng	0.00
86) Perylene-d12	25.10	264	496678	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	522144	132.41	ng	0.00
7) Phenol-d6	7.32	99	714561	129.09	ng	0.00
23) Nitrobenzene-d5	9.33	82	427399	87.28	ng	0.00
41) 2,4,6-Tribromophenol	16.27	330	348277	130.05	ng	0.00
44) 2-Fluorobiphenyl	13.41	172	1126265	79.64	ng	0.00
78) Terphenyl-d14	20.12	244	1593419	72.47	ng	0.00
Target Compounds						
10) Phenol	7.35	94	41171	6.90	ng	97
49) Dimethylphthalate	14.23	163	142914	8.83	ng	98
62) Azobenzene	16.13	77	88457	6.50	ng	# 1

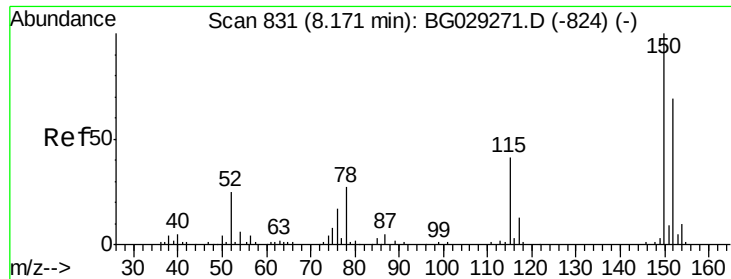
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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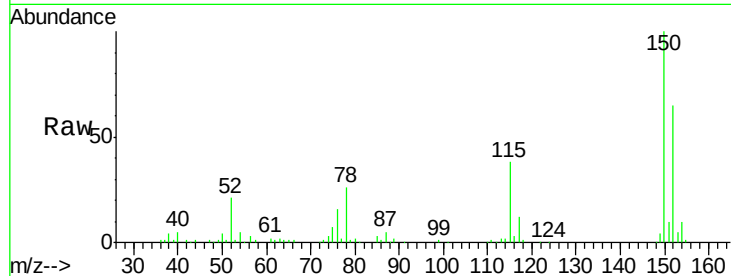


#1

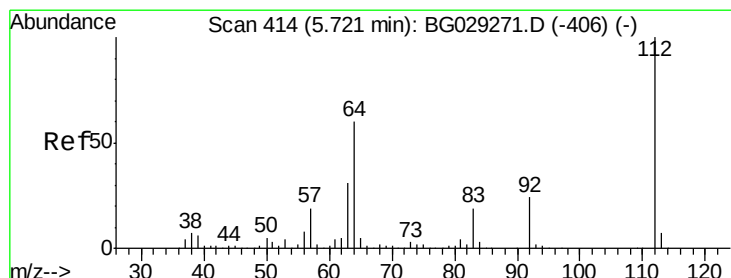
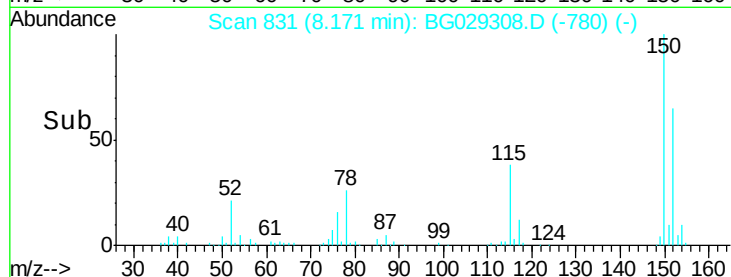
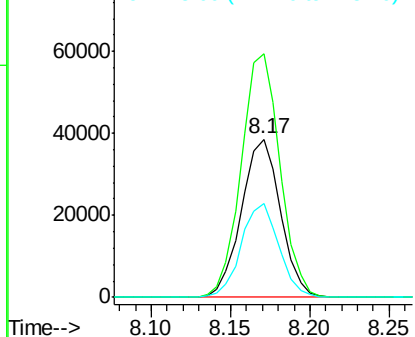
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.17 min Scan# 831
Delta R.T. 0.00 min
Lab File: BG029308.D
Acq: 17 Oct 2017 19:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 65878
Ion Ratio Lower Upper
152 100
150 154.1 126.6 189.8
115 59.2 53.0 79.4



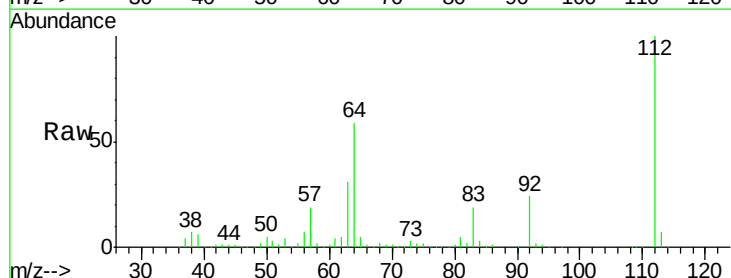
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



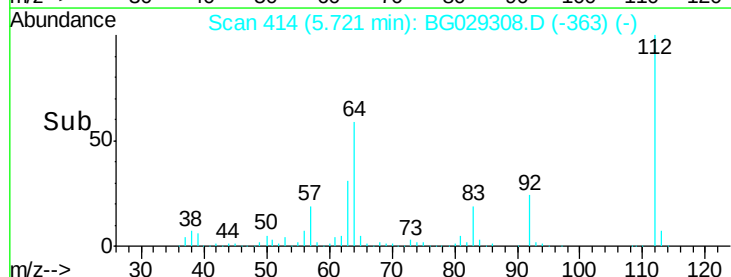
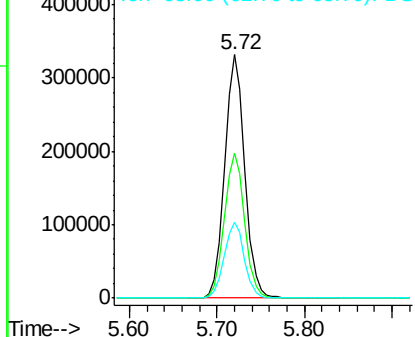
#5

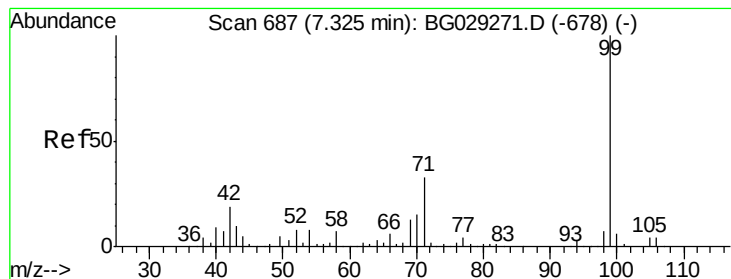
2-Fluorophenol
Concen: 132.41 ng
RT: 5.72 min Scan# 414
Delta R.T. 0.00 min
Lab File: BG029308.D
Acq: 17 Oct 2017 19:32

Tgt Ion:112 Resp: 522144
Ion Ratio Lower Upper
112 100
64 59.3 56.3 84.5
63 31.0 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: 129.09 ng

RT: 7.32 min Scan# 687

Delta R.T. 0.00 min

Lab File: BG029308.D

Acq: 17 Oct 2017 19:32

Instrument :

BNA_G

ClientSampleId :

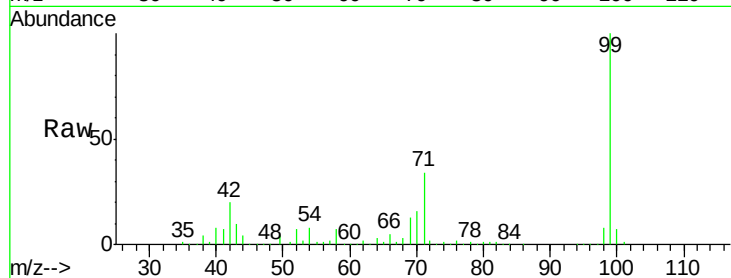
Tot Ion: 99 Resp: 714561

Ion Ratio Lower Upper

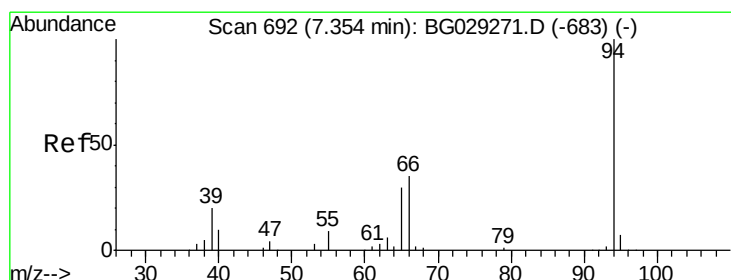
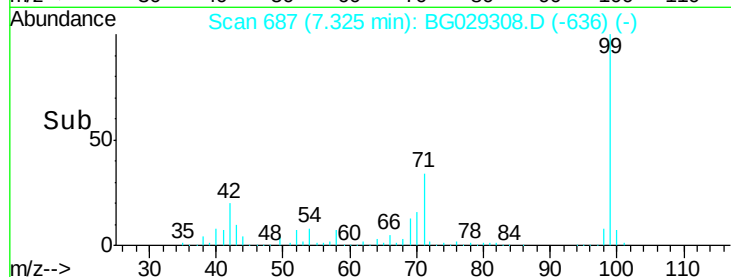
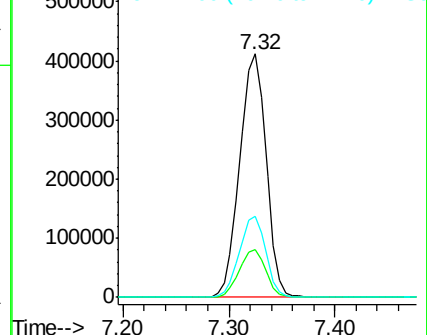
99 100

42 19.5 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



#10

Phenol

Concen: 6.90 ng

RT: 7.35 min Scan# 691

Delta R.T. -0.01 min

Lab File: BG029308.D

Acq: 17 Oct 2017 19:32

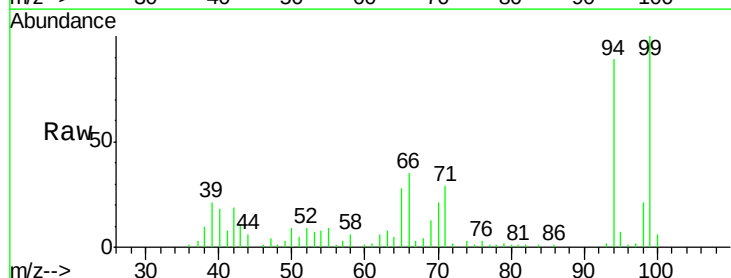
Tgt Ion: 94 Resp: 41171

Ion Ratio Lower Upper

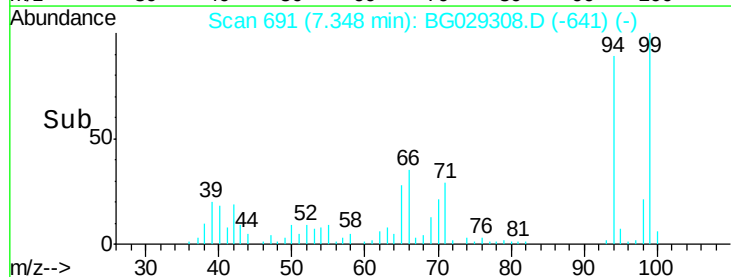
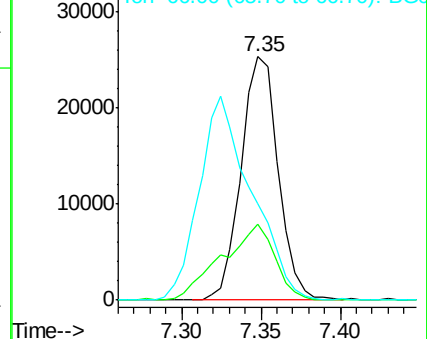
94 100

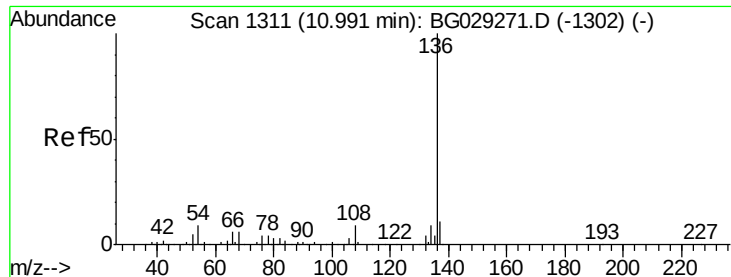
65 31.1 11.9 51.9

66 39.4 22.2 62.2



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

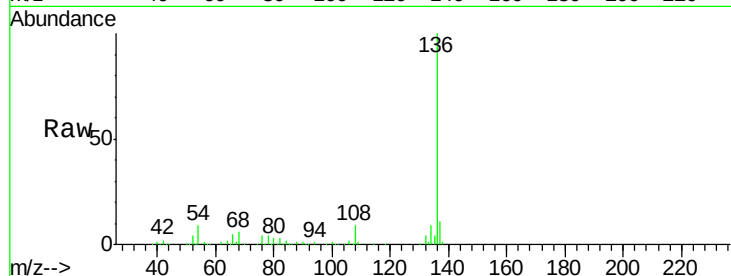




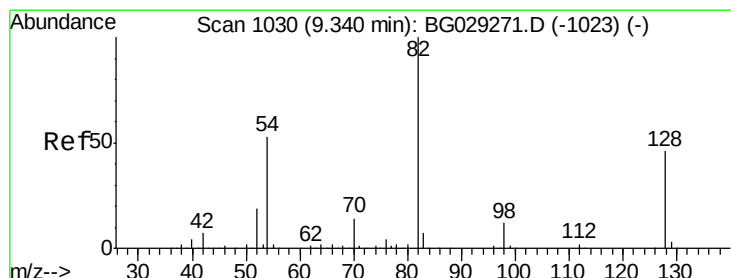
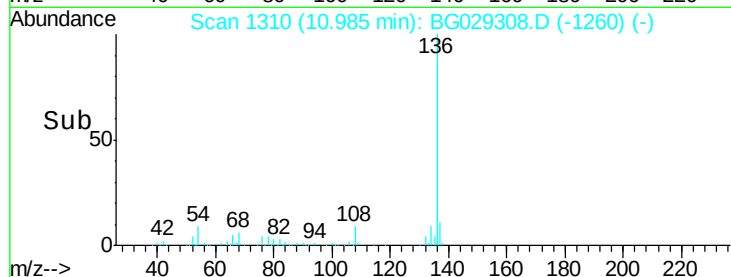
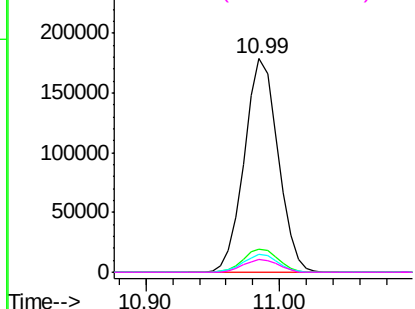
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.99 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BG029308.D
Acq: 17 Oct 2017 19:32

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	311188
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.2 13.8
54	8.5	10.3 15.5#
68	6.1	4.5 6.7

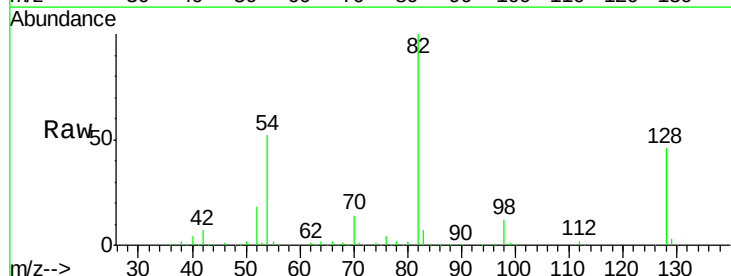


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

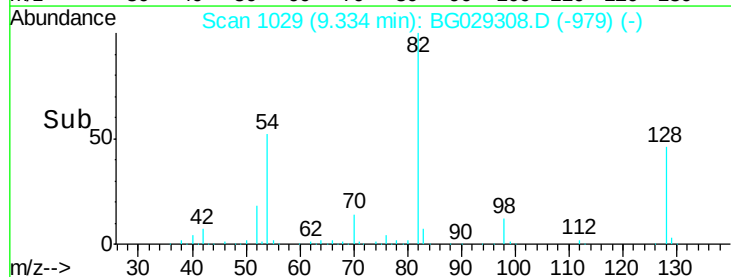
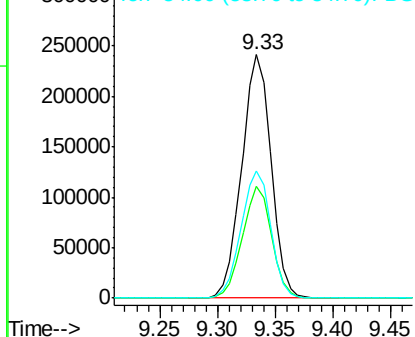


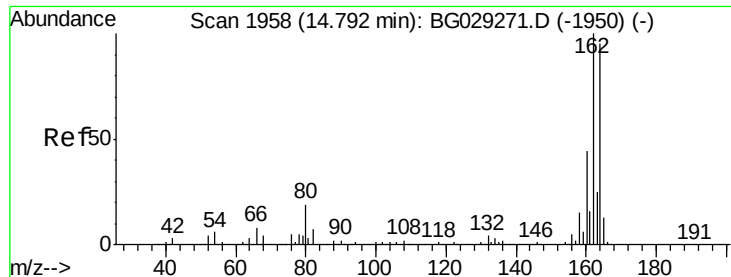
#23
Nitrobenzene-d5
Concen: 87.28 ng
RT: 9.33 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BG029308.D
Acq: 17 Oct 2017 19:32

Tgt Ion: 82	Resp:	427399
Ion Ratio	Lower	Upper
82	100	
128	45.8	29.7 44.5#
54	52.3	43.1 64.7



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.79 min Scan# 1957

Delta R.T. -0.01 min

Lab File: BG029308.D

Acq: 17 Oct 2017 19:32

Instrument :

BNA_G

ClientSampleId :

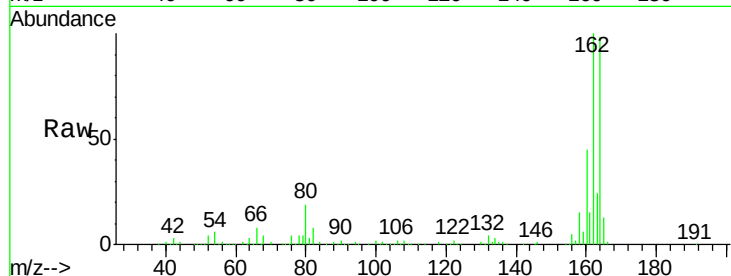
Tot Ion:164 Resp: 207414

Ion Ratio Lower Upper

164 100

162 102.1 78.8 118.2

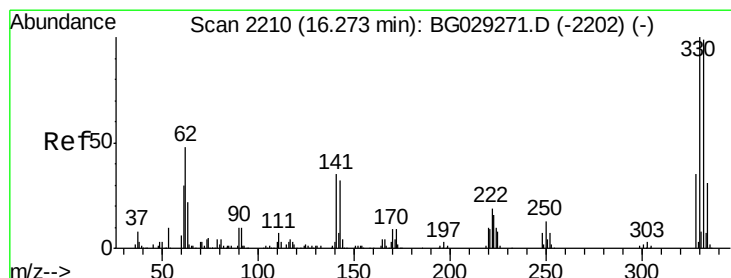
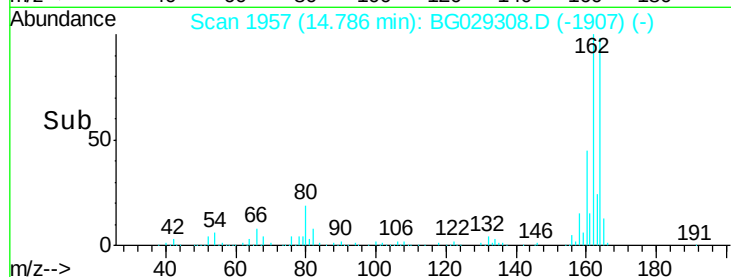
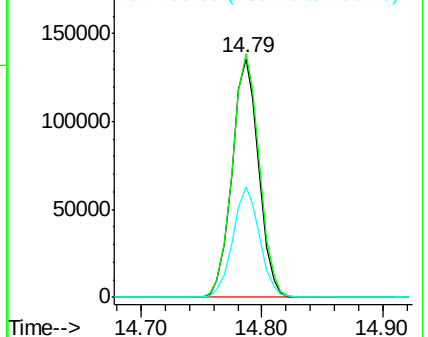
160 46.1 35.4 53.0



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: 130.05 ng

RT: 16.27 min Scan# 2209

Delta R.T. -0.01 min

Lab File: BG029308.D

Acq: 17 Oct 2017 19:32

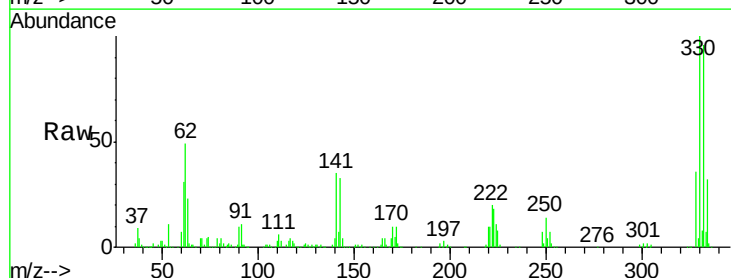
Tgt Ion:330 Resp: 348277

Ion Ratio Lower Upper

330 100

332 95.9 77.0 115.6

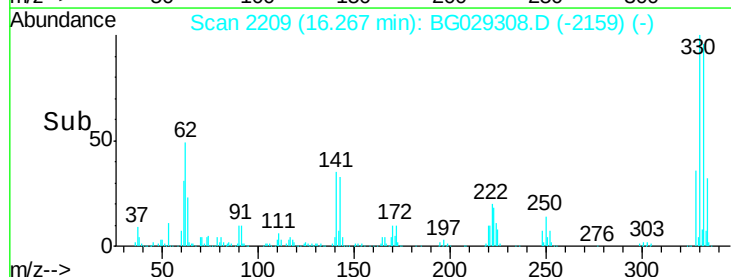
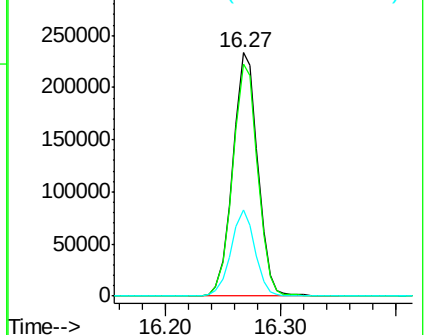
141 34.3 25.2 37.8

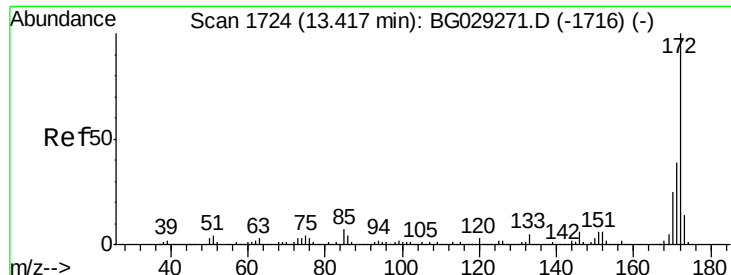


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

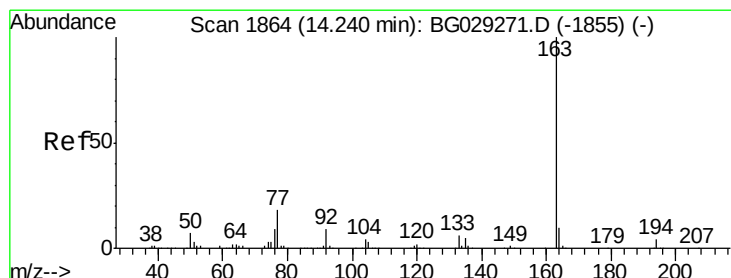
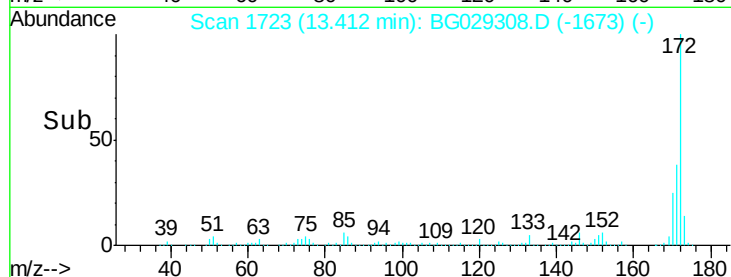
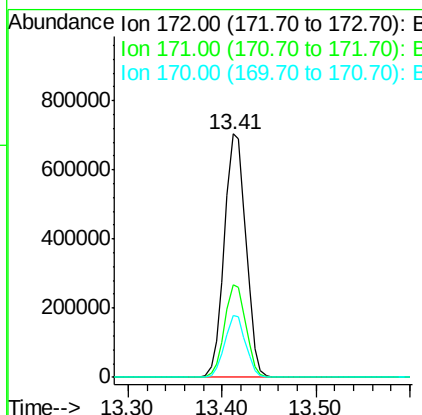
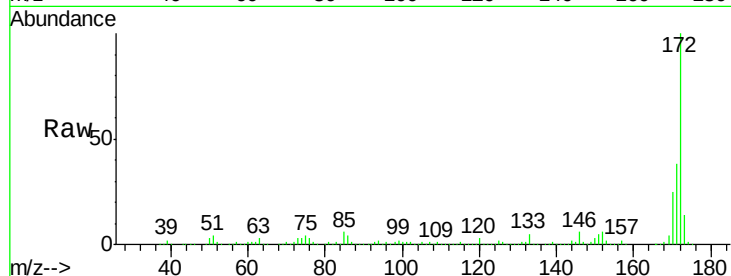




#44
2-Fluorobiphenyl
Concen: 79.64 ng
RT: 13.41 min Scan# 1723
Delta R.T. -0.01 min
Lab File: BG029308.D
Acq: 17 Oct 2017 19:32

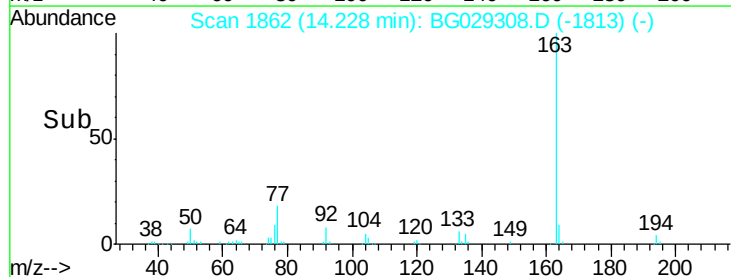
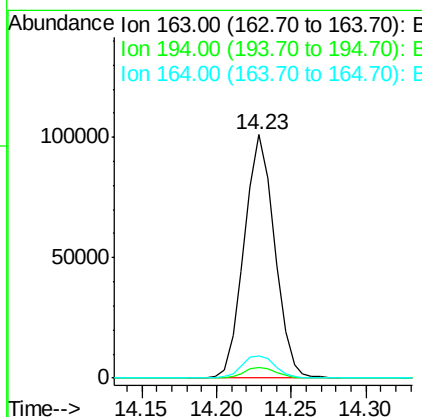
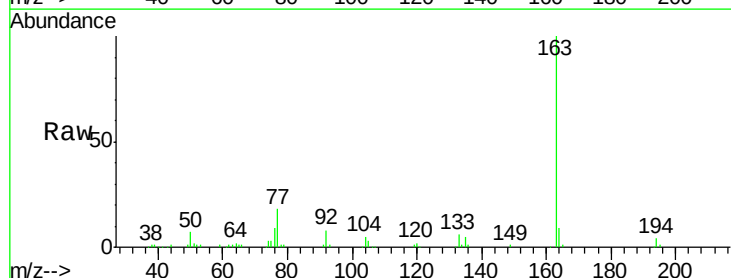
Instrument :
BNA_G
ClientSampleId :

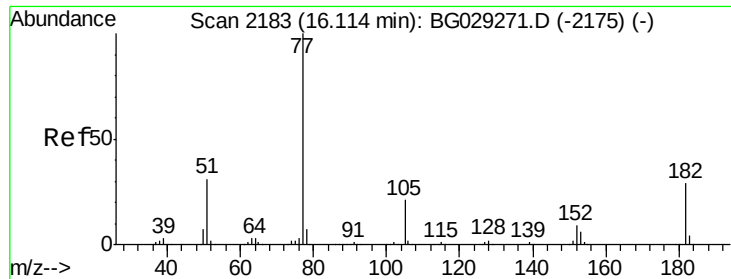
Tot Ion:172 Resp: 1126265
Ion Ratio Lower Upper
172 100
171 38.1 30.0 45.0
170 25.2 19.5 29.3



#49
Dimethylphthalate
Concen: 8.83 ng
RT: 14.23 min Scan# 1862
Delta R.T. -0.01 min
Lab File: BG029308.D
Acq: 17 Oct 2017 19:32

Tgt Ion:163 Resp: 142914
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.2
164 9.3 8.2 12.4





#62

Azobenzene

Concen: 6.50 ng

RT: 16.13 min Scan# 2186

Delta R.T. 0.02 min

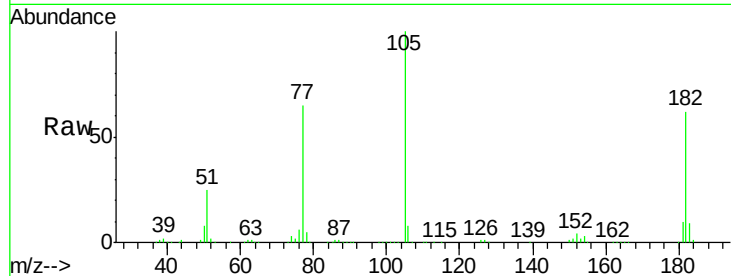
Lab File: BG029308.D

Acq: 17 Oct 2017 19:32

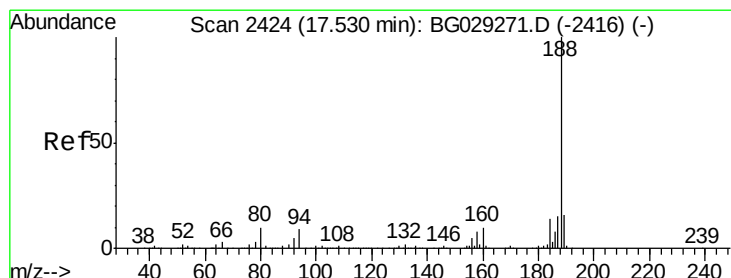
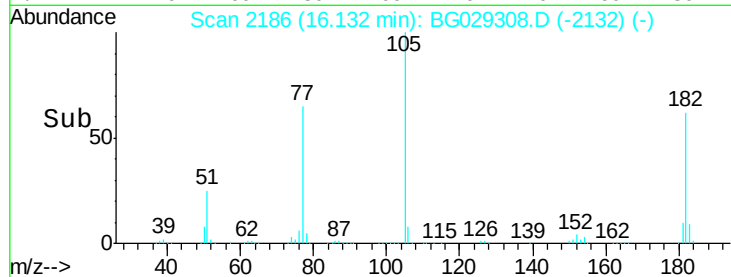
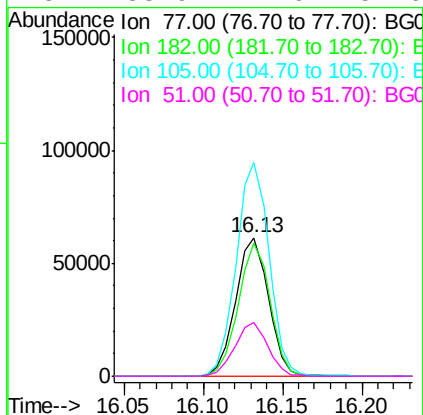
Instrument :

BNA_G

ClientSampleId :



Tot Ion:	77	Resp:	88457
Ion	Ratio	Lower	Upper
77	100		
182	95.7	7.4	47.4#
105	153.9	0.3	40.3#
51	38.9	11.6	51.6



#63

Phenanthrene-d10

Concen: 20.00 ng

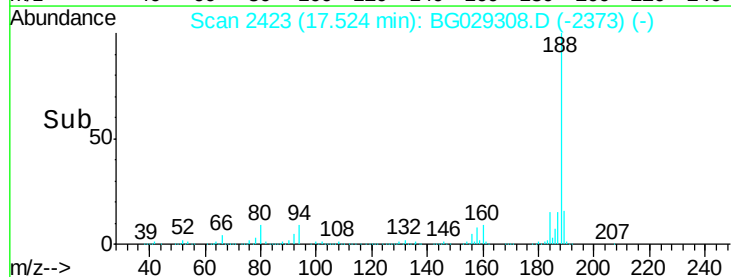
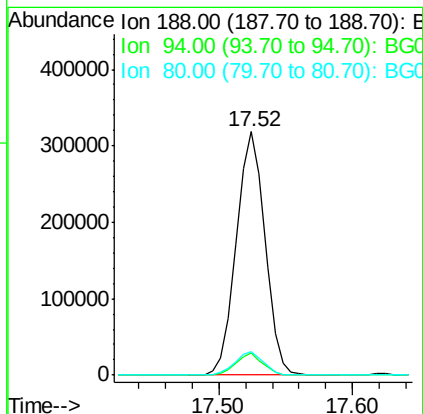
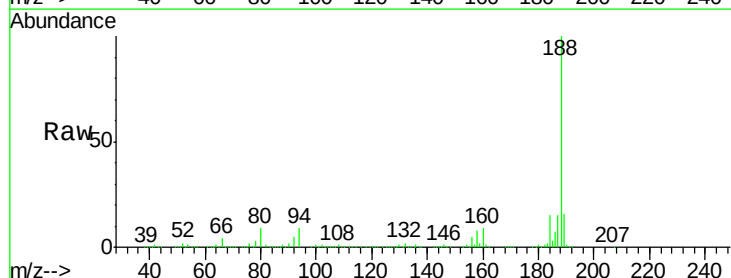
RT: 17.52 min Scan# 2423

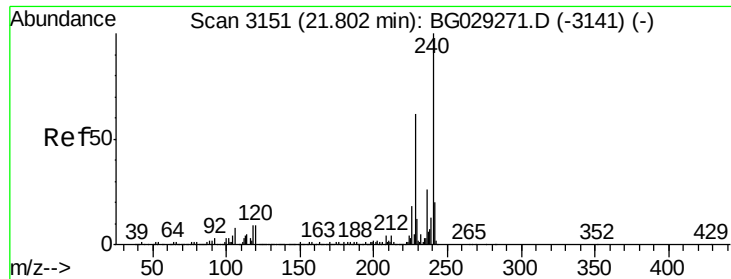
Delta R.T. -0.01 min

Lab File: BG029308.D

Acq: 17 Oct 2017 19:32

Tgt Ion:	188	Resp:	475039
Ion	Ratio	Lower	Upper
188	100		
94	8.9	6.9	10.3
80	9.4	7.7	11.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.80 min Scan# 3150

Delta R.T. -0.01 min

Lab File: BG029308.D

Acq: 17 Oct 2017 19:32

Instrument :

BNA_G

ClientSampleId :

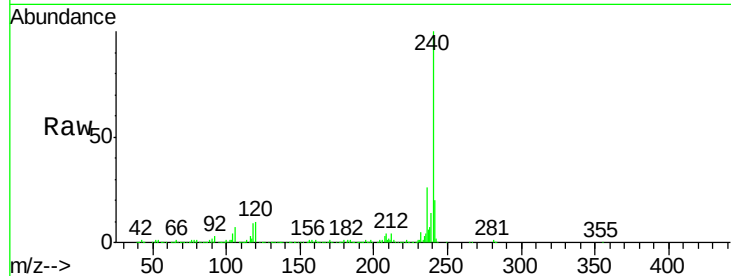
Tot Ion:240 Resp: 500196

Ion Ratio Lower Upper

240 100

120 9.6 6.8 10.2

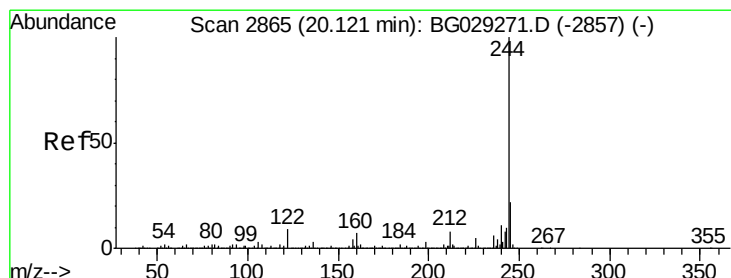
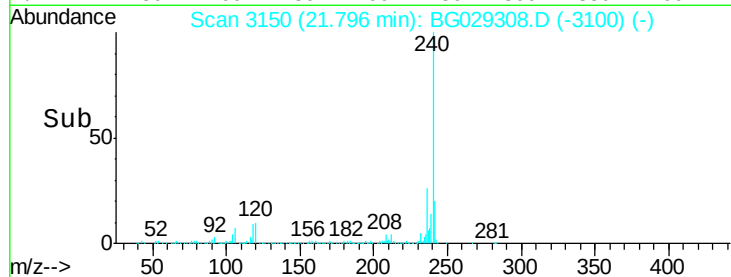
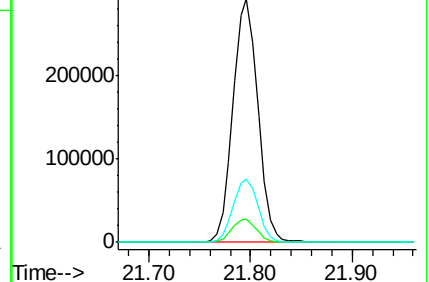
236 26.0 20.9 31.3



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: 72.47 ng

RT: 20.12 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BG029308.D

Acq: 17 Oct 2017 19:32

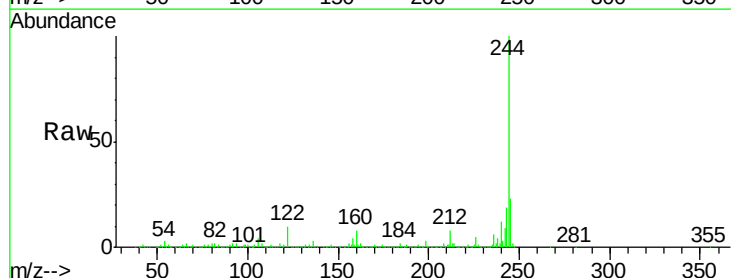
Tgt Ion:244 Resp: 1593419

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

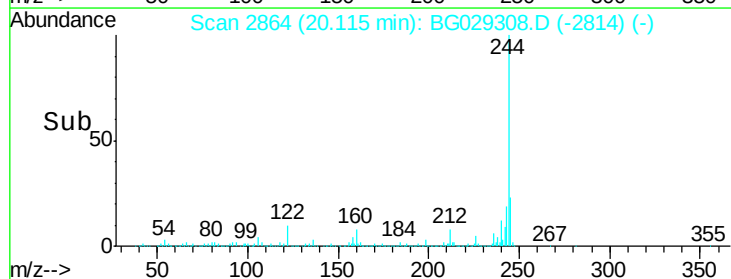
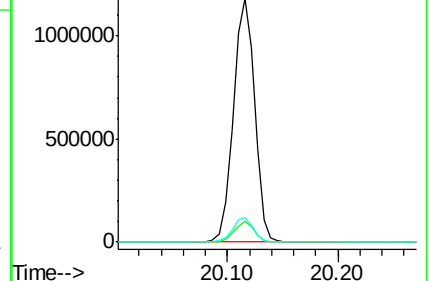
122 10.2 7.0 10.4

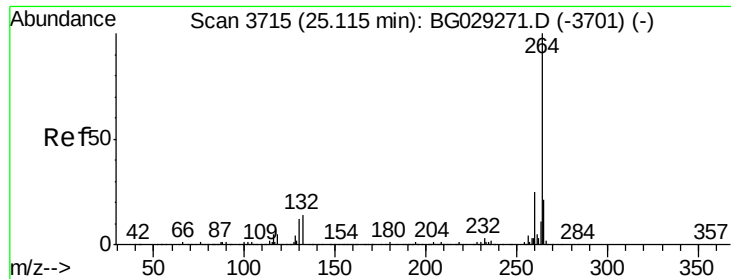


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.10 min Scan# 3713
Delta R.T. -0.01 min
Lab File: BG029308.D
Acq: 17 Oct 2017 19:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 264 Resp: 496678

Ion	Ratio	Lower	Upper
264	100		
260	24.6	17.4	26.0
265	21.2	17.7	26.5

