

Data Path : Z:\HPCHEM1\BNA G\Data\BG060617\
 Data File : BG027275.D
 Acq On : 7 Jun 2017 9:30
 Operator : SJ/MA
 Sample : I3478-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 07 12:12:30 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:00:35 2017
 Response via : Initial Calibration

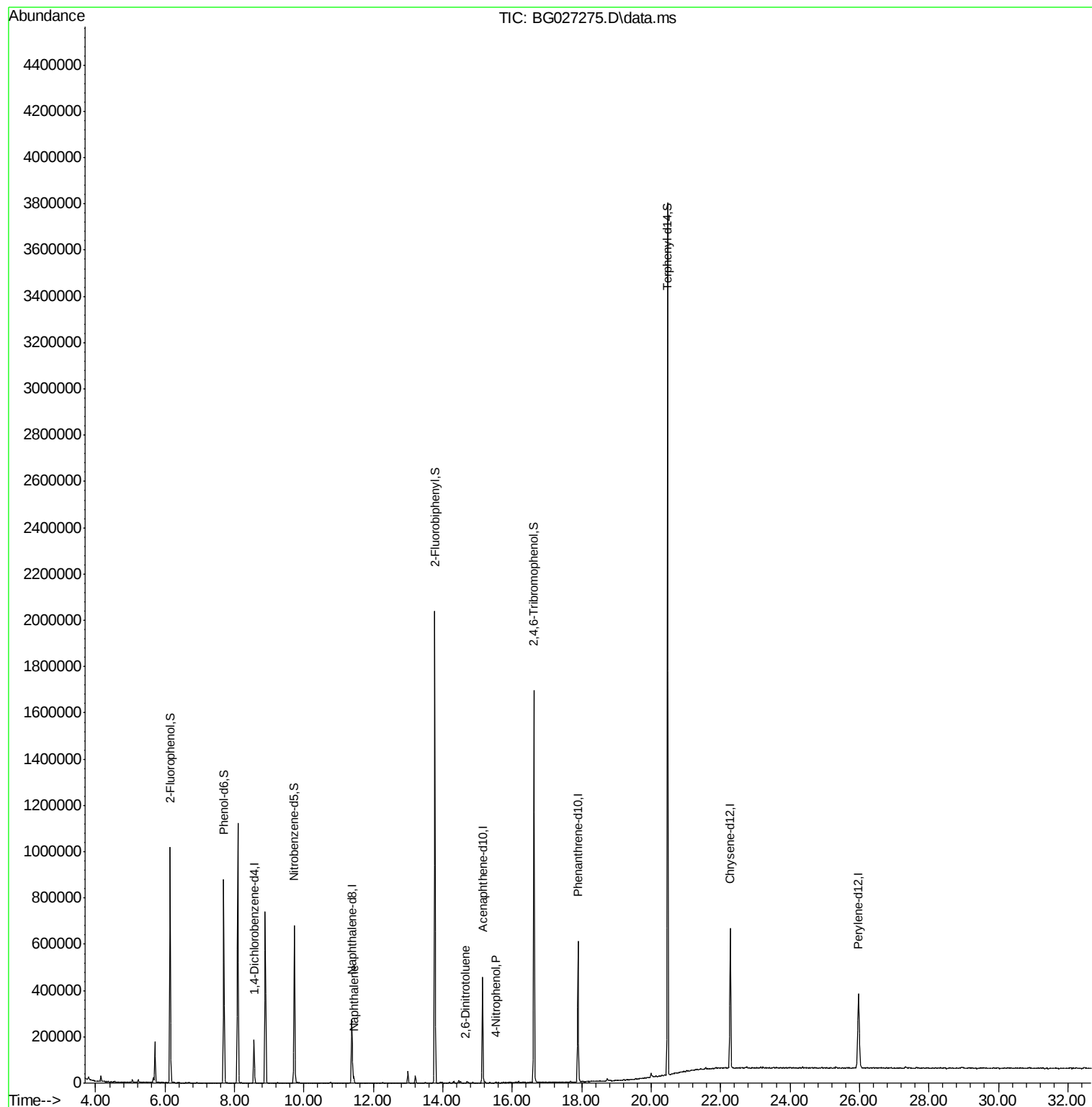
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.561	152	53308	20.00	ng	-0.02
21) Naphthalene-d8	11.382	136	252722	20.00	ng	-0.02
38) Acenaphthene-d10	15.142	164	164941	20.00	ng	-0.02
63) Phenanthrene-d10	17.892	188	388655	20.00	ng	-0.02
75) Chrysene-d12	22.281	240	424385	20.00	ng	-0.03
86) Perylene-d12	25.971	264	396084	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	6.147	112	482969	138.25	ng	-0.01
7) Phenol-d6	7.692	99	584391	113.96	ng	-0.01
23) Nitrobenzene-d5	9.725	82	445168	110.78	ng	-0.02
41) 2,4,6-Tribromophenol	16.628	330	356912	164.33	ng	-0.02
44) 2-Fluorobiphenyl	13.767	172	1104044	93.64	ng	-0.02
78) Terphenyl-d14	20.471	244	1714773	103.08	ng	-0.02
Target Compounds						
31) Naphthalene	11.429	128	27737	2.01	ng	Qvalue 97
50) 2,6-Dinitrotoluene	14.648	165	61	5.63	ng	# 11
55) 4-Nitrophenol	15.530	139	847	6.44	ng	# 1

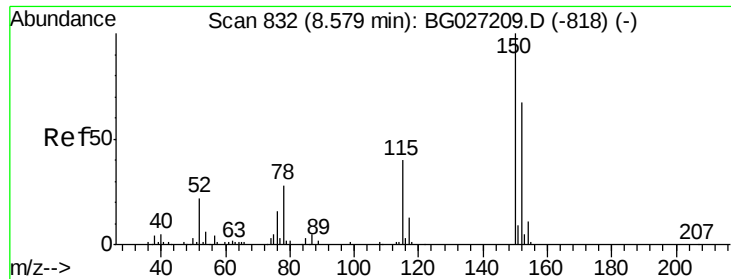
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.561 min Scan# 82

Delta R.T. -0.017 min

Lab File: BG027275.D

Acq: 7 Jun 2017 9:30

Instrument :

BNA_G

ClientSampleId :

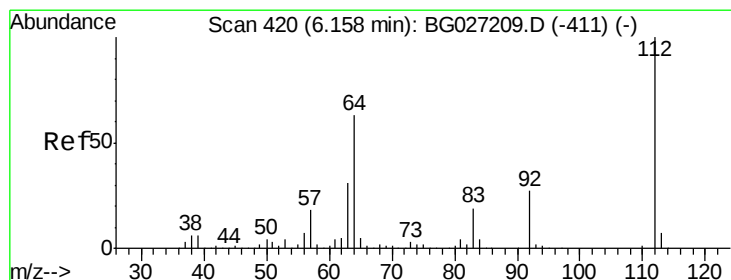
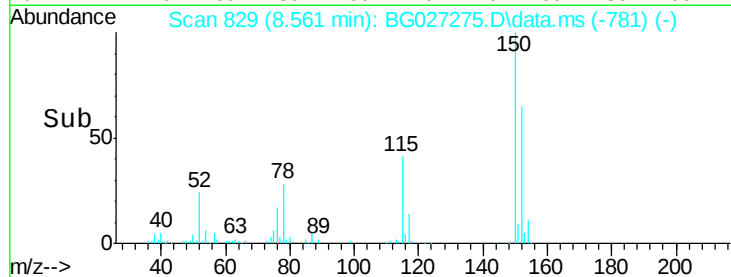
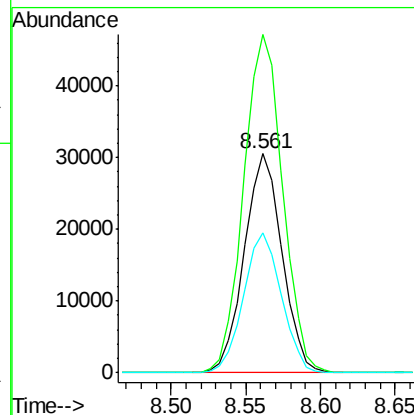
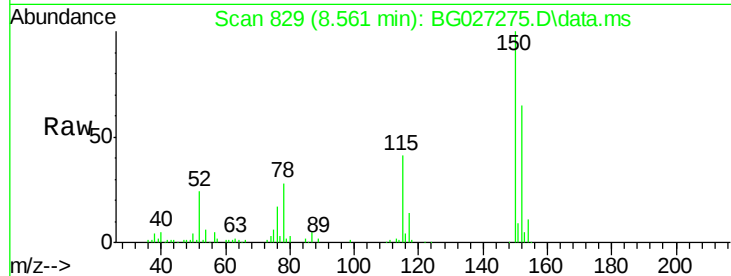
Tot Ion:152 Resp: 53308

Ion Ratio Lower Upper

152 100

150 154.5 114.0 171.0

115 63.7 48.1 72.1



#5

2-Fluorophenol

Concen: 138.25 ng

RT: 6.147 min Scan# 418

Delta R.T. -0.011 min

Lab File: BG027275.D

Acq: 7 Jun 2017 9:30

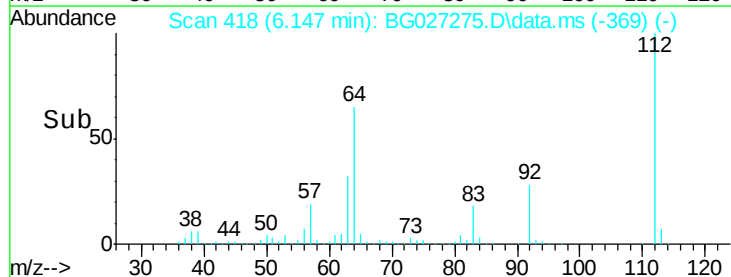
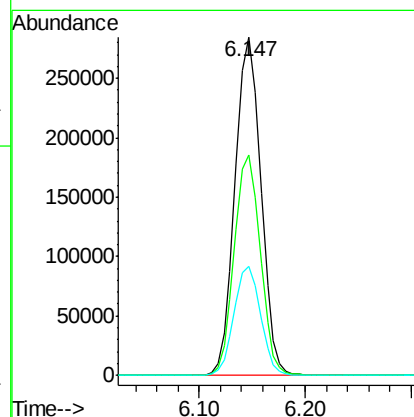
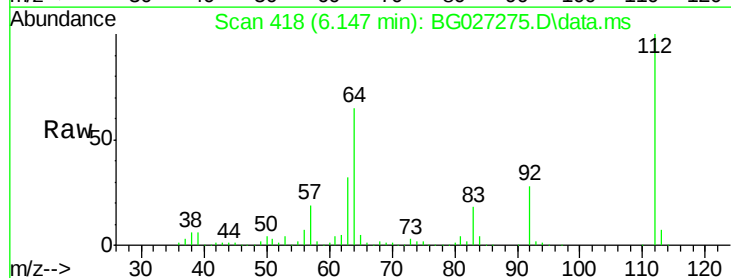
Tgt Ion:112 Resp: 482969

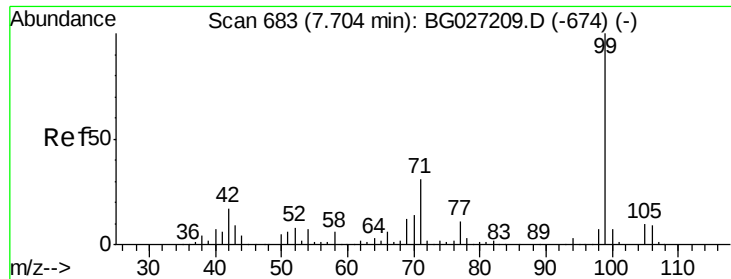
Ion Ratio Lower Upper

112 100

64 65.2 61.8 92.6

63 32.1 37.2 55.8#





#7

Phenol-d6

Concen: 113.96 ng

RT: 7.692 min Scan# 68

Delta R.T. -0.012 min

Lab File: BG027275.D

Acq: 7 Jun 2017 9:30

Instrument :

BNA_G

ClientSampleId :

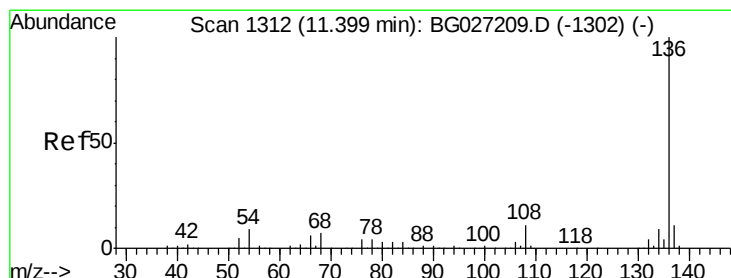
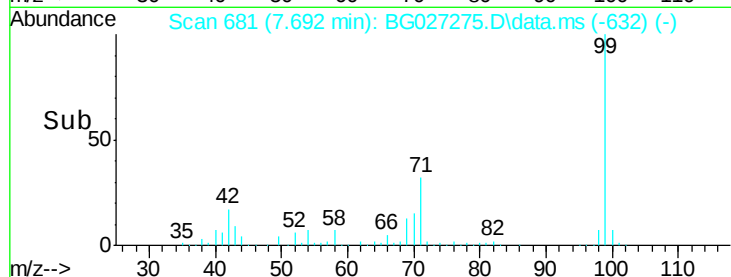
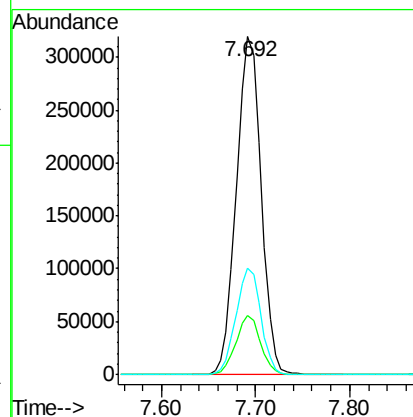
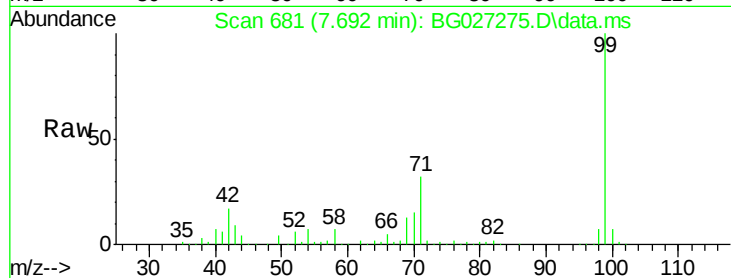
Tot Ion: 99 Resp: 584391

Ion Ratio Lower Upper

99 100

42 17.3 20.5 30.7#

71 31.6 37.6 56.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.382 min Scan# 1309

Delta R.T. -0.017 min

Lab File: BG027275.D

Acq: 7 Jun 2017 9:30

Tgt Ion: 136 Resp: 252722

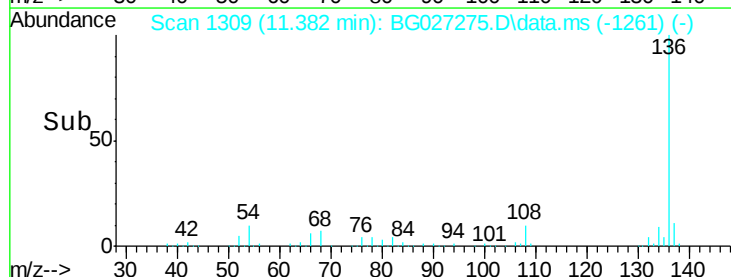
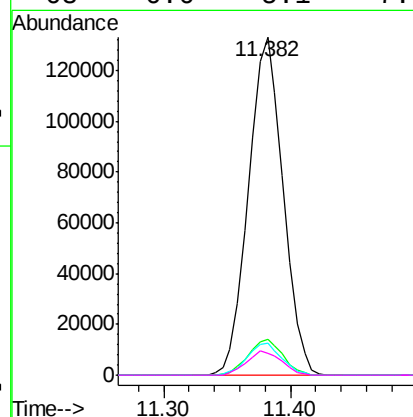
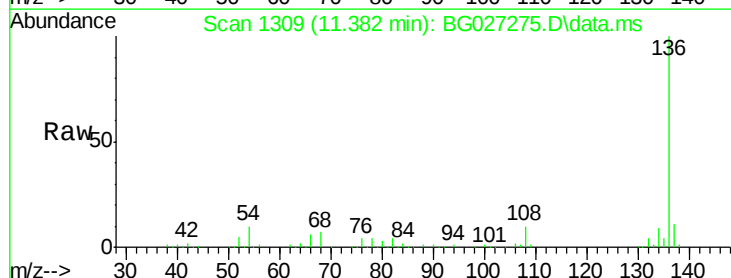
Ion Ratio Lower Upper

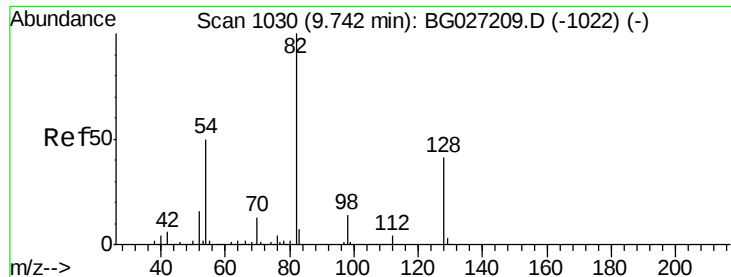
136 100

137 10.8 8.9 13.3

54 9.5 9.3 13.9

68 6.6 5.1 7.7

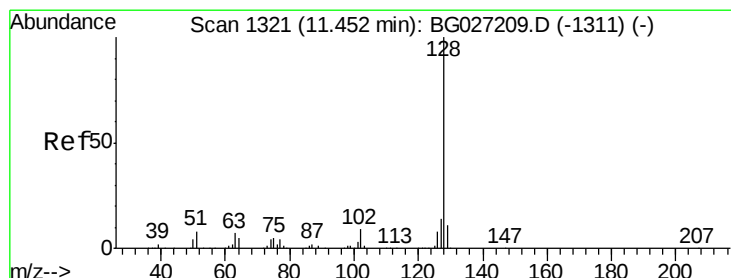
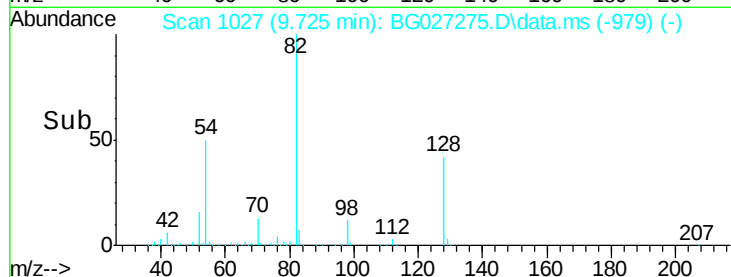
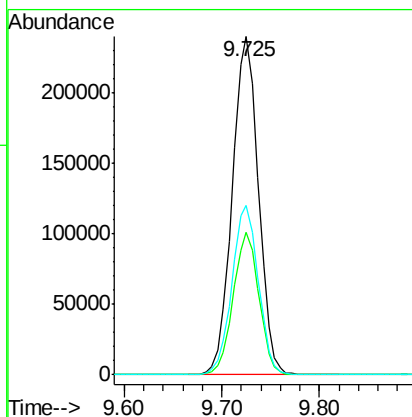
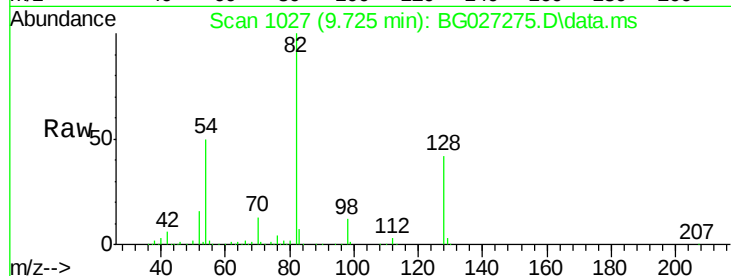




#23
 Nitrobenzene-d5
 Concen: 110.78 ng
 RT: 9.725 min Scan# 10
 Delta R.T. -0.017 min
 Lab File: BG027275.D
 Acq: 7 Jun 2017 9:30

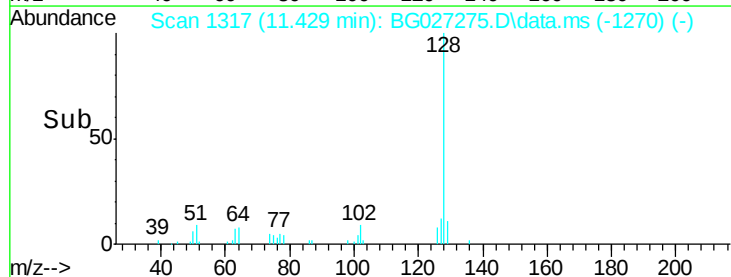
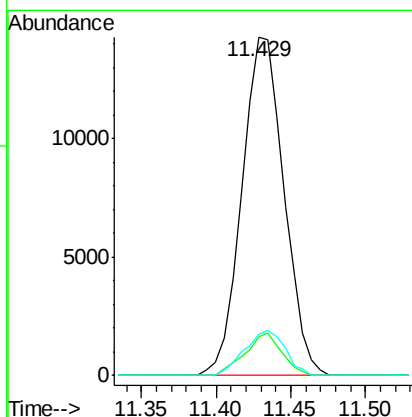
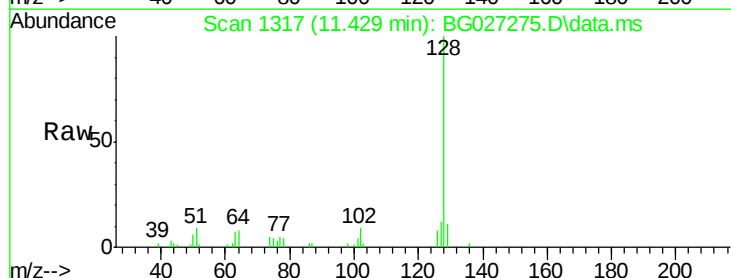
Instrument :
 BNA_G
 ClientSampled :

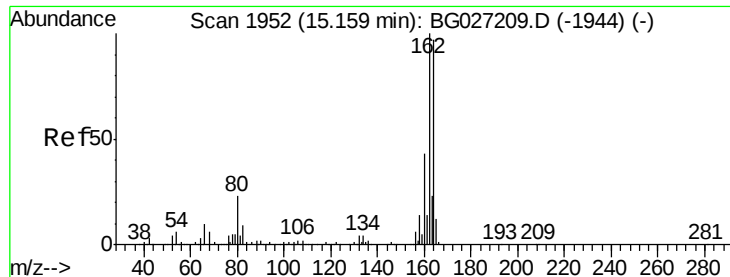
Tot Ion	82	Resp	445168
Ion Ratio	100	Lower	Upper
128	42.0	26.4	39.6#
54	49.9	49.4	74.2



#31
 Naphthalene
 Concen: 2.01 ng
 RT: 11.429 min Scan# 1317
 Delta R.T. -0.023 min
 Lab File: BG027275.D
 Acq: 7 Jun 2017 9:30

Tgt Ion	128	Resp	27737
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
129	11.3	9.3	13.9
127	12.2	11.4	17.0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.142 min Scan# 19

Delta R.T. -0.017 min

Lab File: BG027275.D

Acq: 7 Jun 2017 9:30

Instrument :

BNA_G

ClientSampleId :

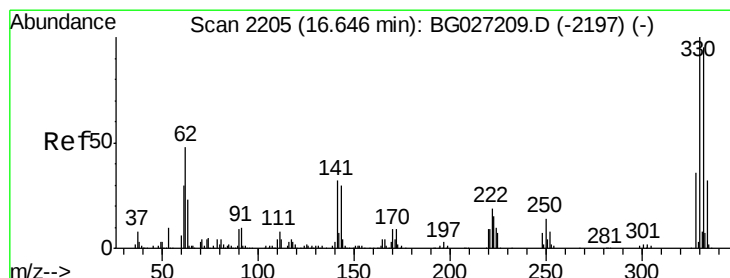
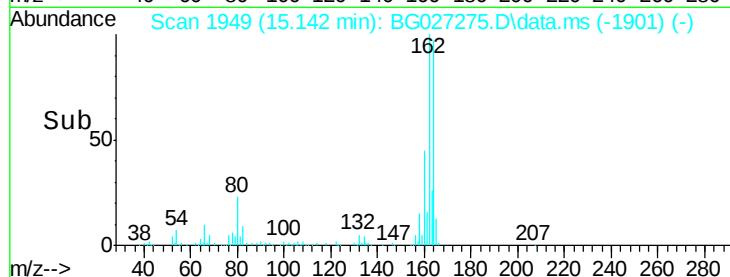
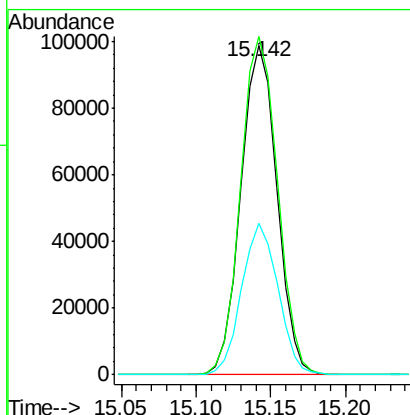
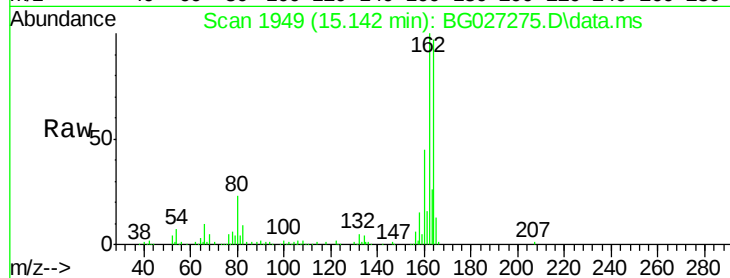
Tot Ion:164 Resp: 164941

Ion Ratio Lower Upper

164 100

162 102.6 85.1 127.7

160 45.9 34.7 52.1



#41

2,4,6-Tribromophenol

Concen: 164.33 ng

RT: 16.628 min Scan# 2202

Delta R.T. -0.017 min

Lab File: BG027275.D

Acq: 7 Jun 2017 9:30

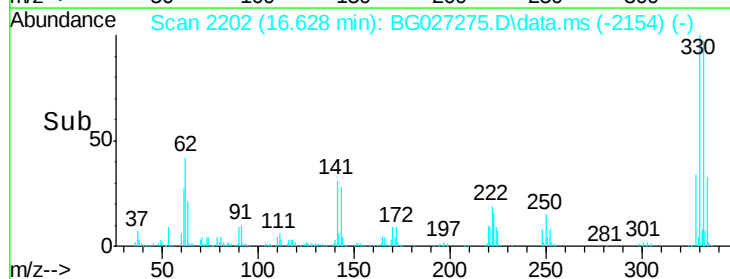
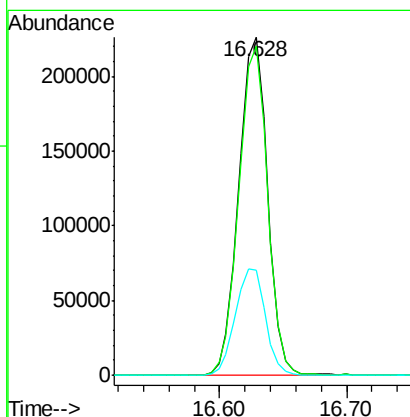
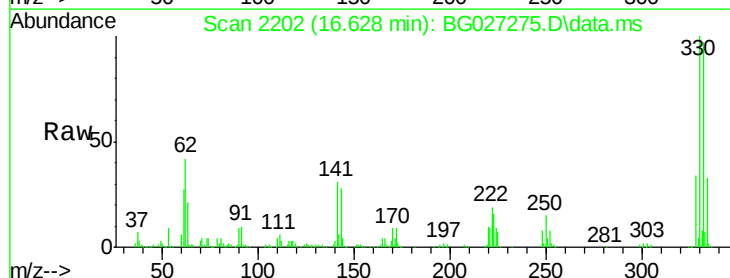
Tgt Ion:330 Resp: 356912

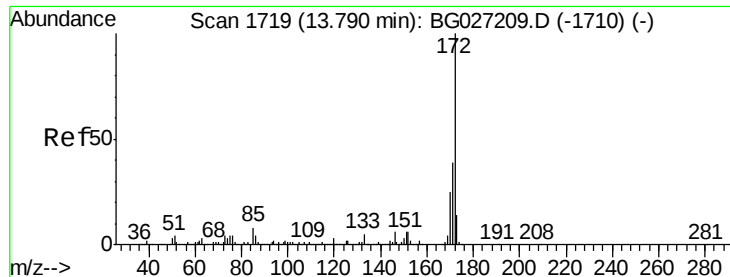
Ion Ratio Lower Upper

330 100

332 97.2 77.3 115.9

141 32.7 32.1 48.1

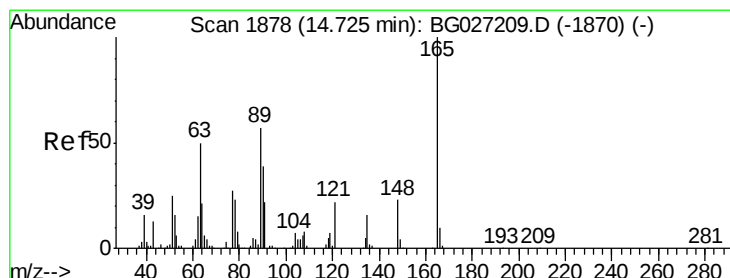
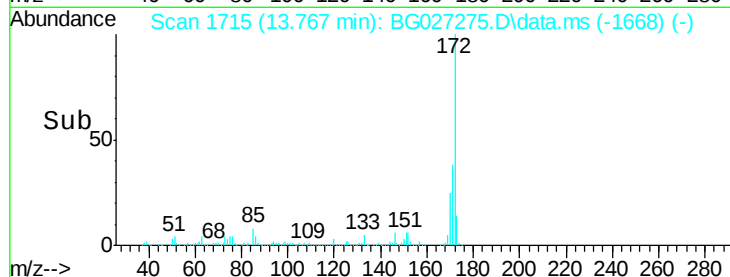
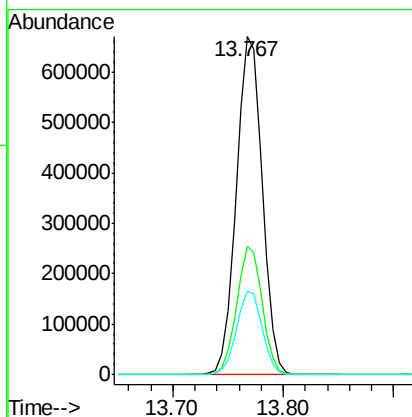
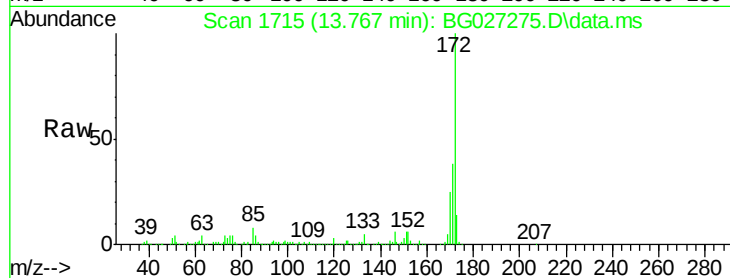




#44
2-Fluorobiphenyl
Concen: 93.64 ng
RT: 13.767 min Scan# 1719
Delta R.T. -0.023 min
Lab File: BG027275.D
Acq: 7 Jun 2017 9:30

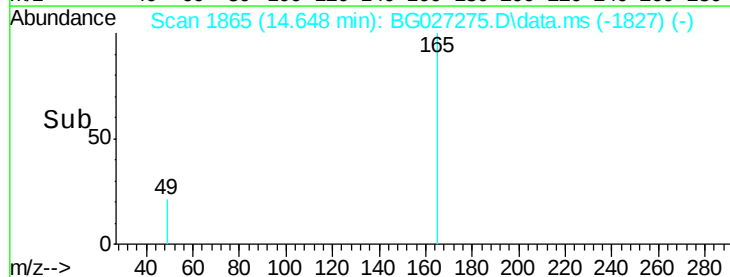
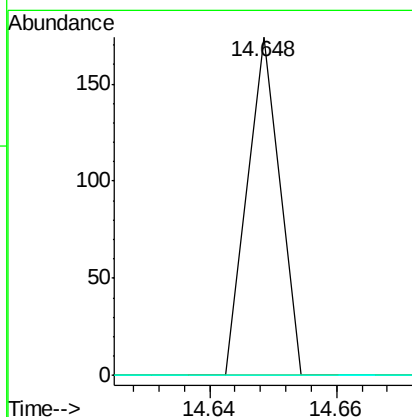
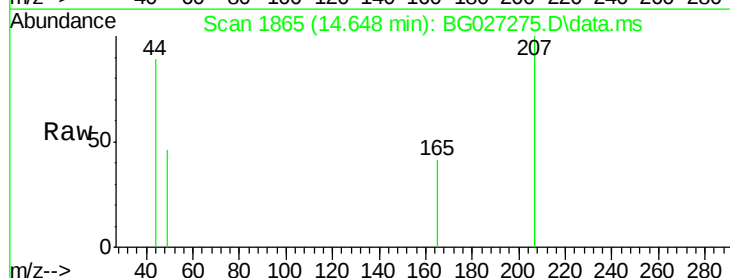
Instrument :
BNA_G
ClientSampleId :

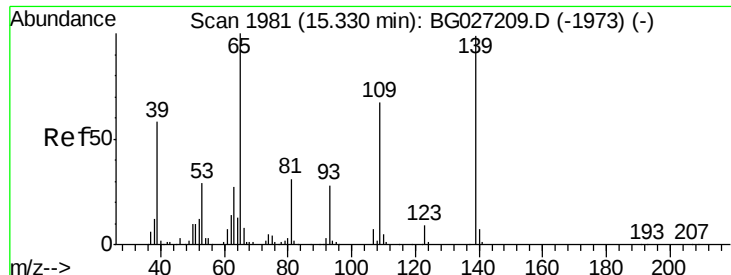
Tot Ion:172 Resp: 1104044
Ion Ratio Lower Upper
172 100
171 38.1 32.2 48.2
170 24.8 21.8 32.6



#50
2,6-Dinitrotoluene
Concen: 5.63 ng
RT: 14.648 min Scan# 1865
Delta R.T. -0.076 min
Lab File: BG027275.D
Acq: 7 Jun 2017 9:30

Tgt Ion:165 Resp: 61
Ion Ratio Lower Upper
165 100
63 0.0 63.9 95.9#
89 0.0 58.6 88.0#





#55

4-Nitrophenol

Concen: 6.44 ng

RT: 15.530 min Scan# 20

Delta R.T. 0.201 min

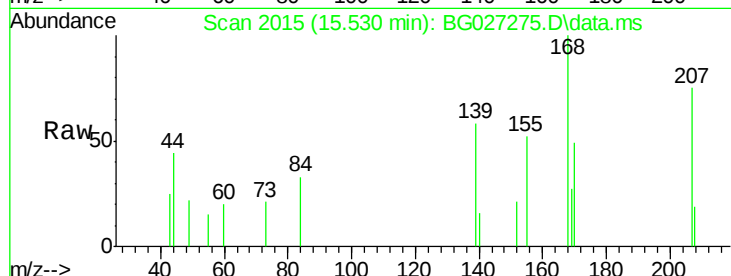
Lab File: BG027275.D

Acq: 7 Jun 2017 9:30

Instrument :

BNA_G

ClientSampled :



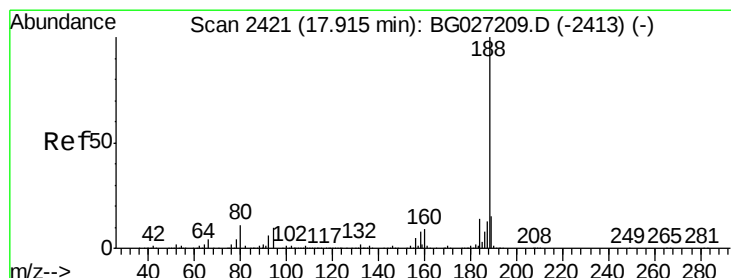
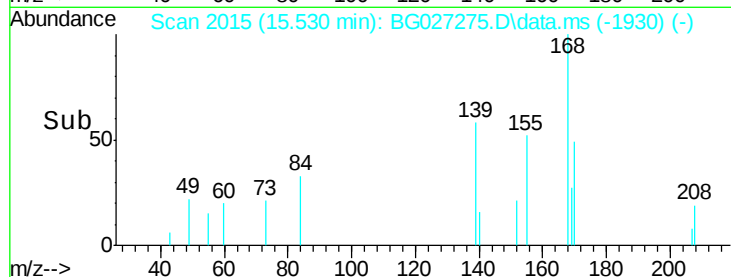
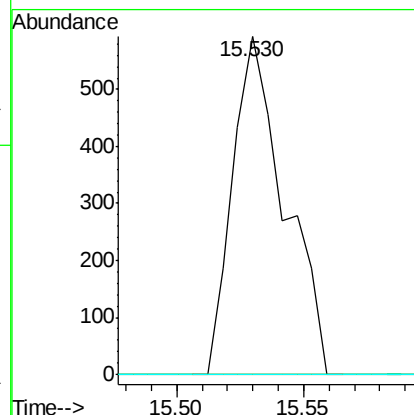
Tot Ion:139 Resp: 847

Ion Ratio Lower Upper

139 100

109 0.0 101.2 141.2#

65 0.0 135.3 175.3#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.892 min Scan# 2417

Delta R.T. -0.023 min

Lab File: BG027275.D

Acq: 7 Jun 2017 9:30

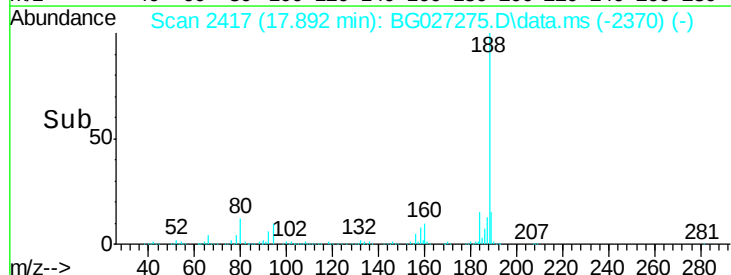
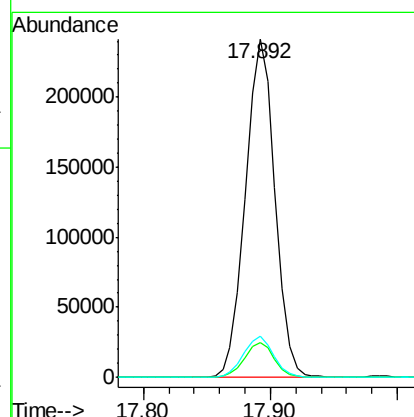
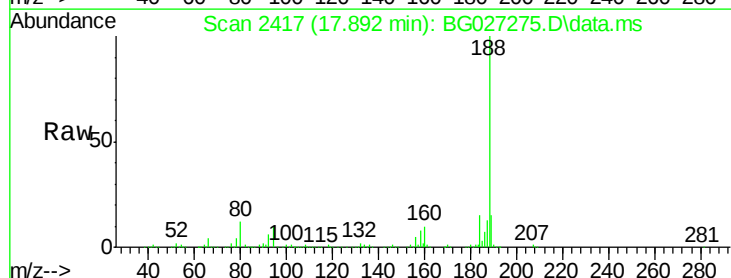
Tgt Ion:188 Resp: 388655

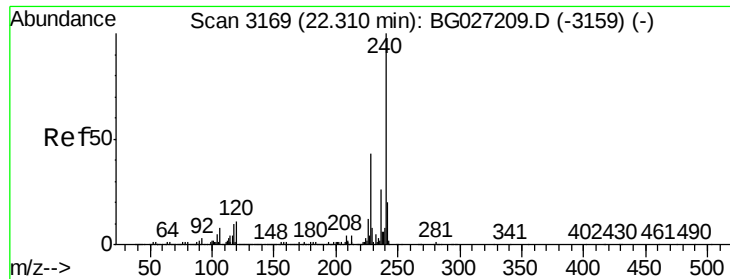
Ion Ratio Lower Upper

188 100

94 10.2 5.8 8.8#

80 12.0 7.5 11.3#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.281 min Scan# 31

Delta R.T. -0.029 min

Lab File: BG027275.D

Acq: 7 Jun 2017 9:30

Instrument :

BNA_G

ClientSampleId :

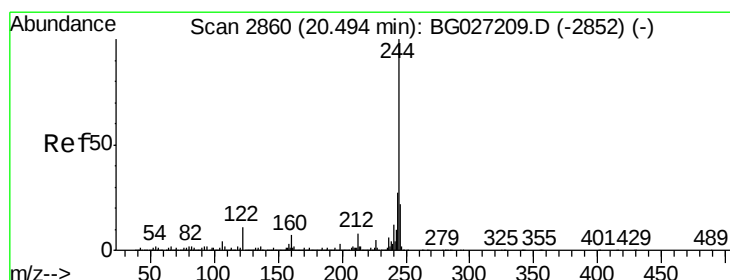
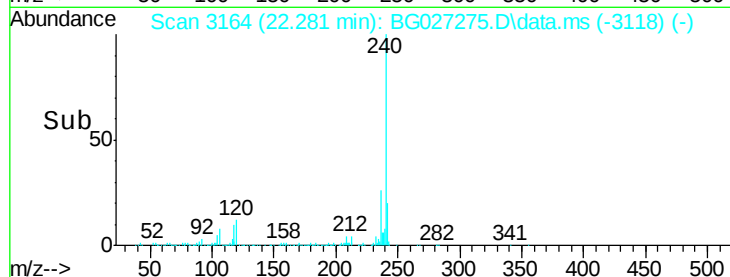
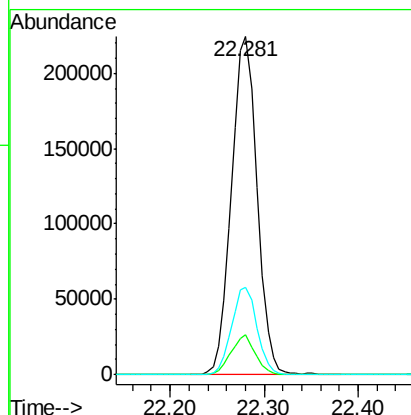
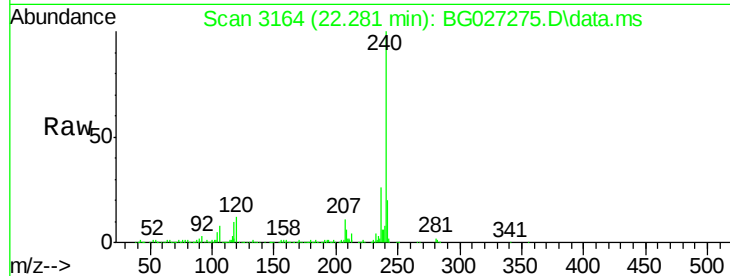
Tot Ion:240 Resp: 424385

Ion Ratio Lower Upper

240 100

120 11.6 5.7 8.5#

236 25.9 22.2 33.4



#78

Terphenyl-d14

Concen: 103.08 ng

RT: 20.471 min Scan# 2856

Delta R.T. -0.023 min

Lab File: BG027275.D

Acq: 7 Jun 2017 9:30

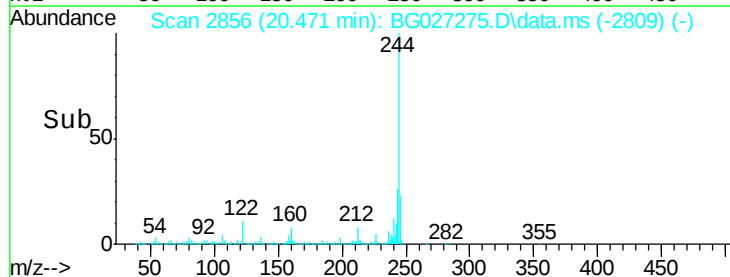
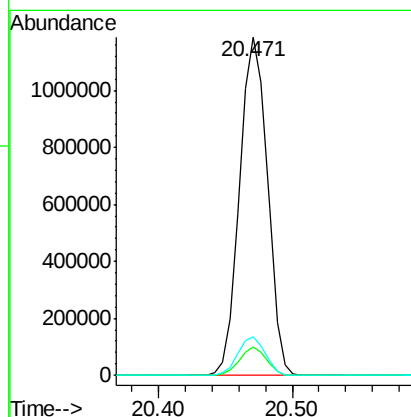
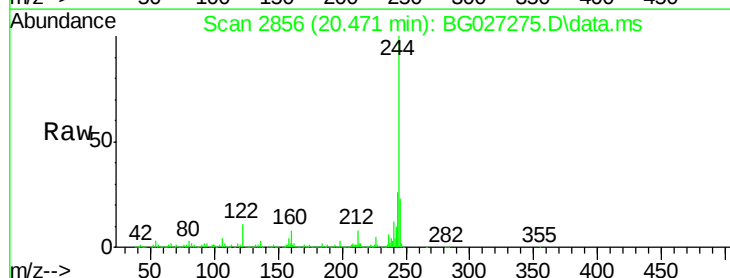
Tgt Ion:244 Resp: 1714773

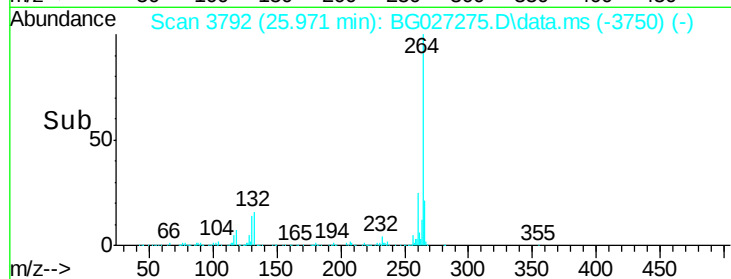
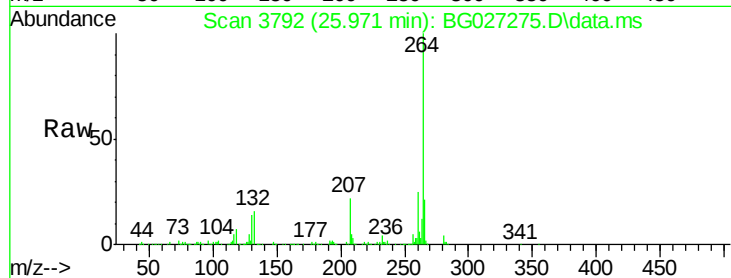
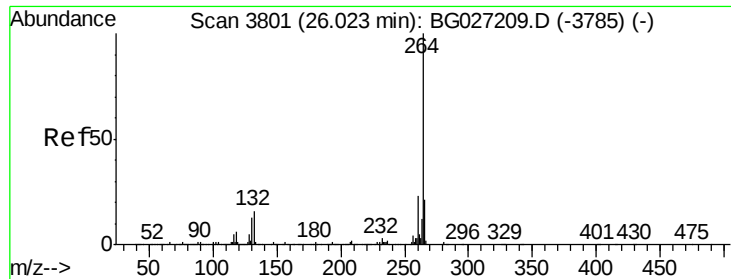
Ion Ratio Lower Upper

244 100

212 8.3 10.0 15.0#

122 11.4 8.6 12.8





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 25.971 min Scan# 37
 Delta R.T. -0.053 min
 Lab File: BG027275.D
 Acq: 7 Jun 2017 9:30

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	21.8	32.8
265	21.2	18.2	27.4

