

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA G\Data\BG110417\
 Data File : BG030727.D
 Acq On : 4 Nov 2017 9:15
 Operator : SJ/JU
 Sample : I6157-04
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RLF-SD-5

Quant Time: Nov 04 12:11:55 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 03 18:14:01 2017
 Response via : Initial Calibration

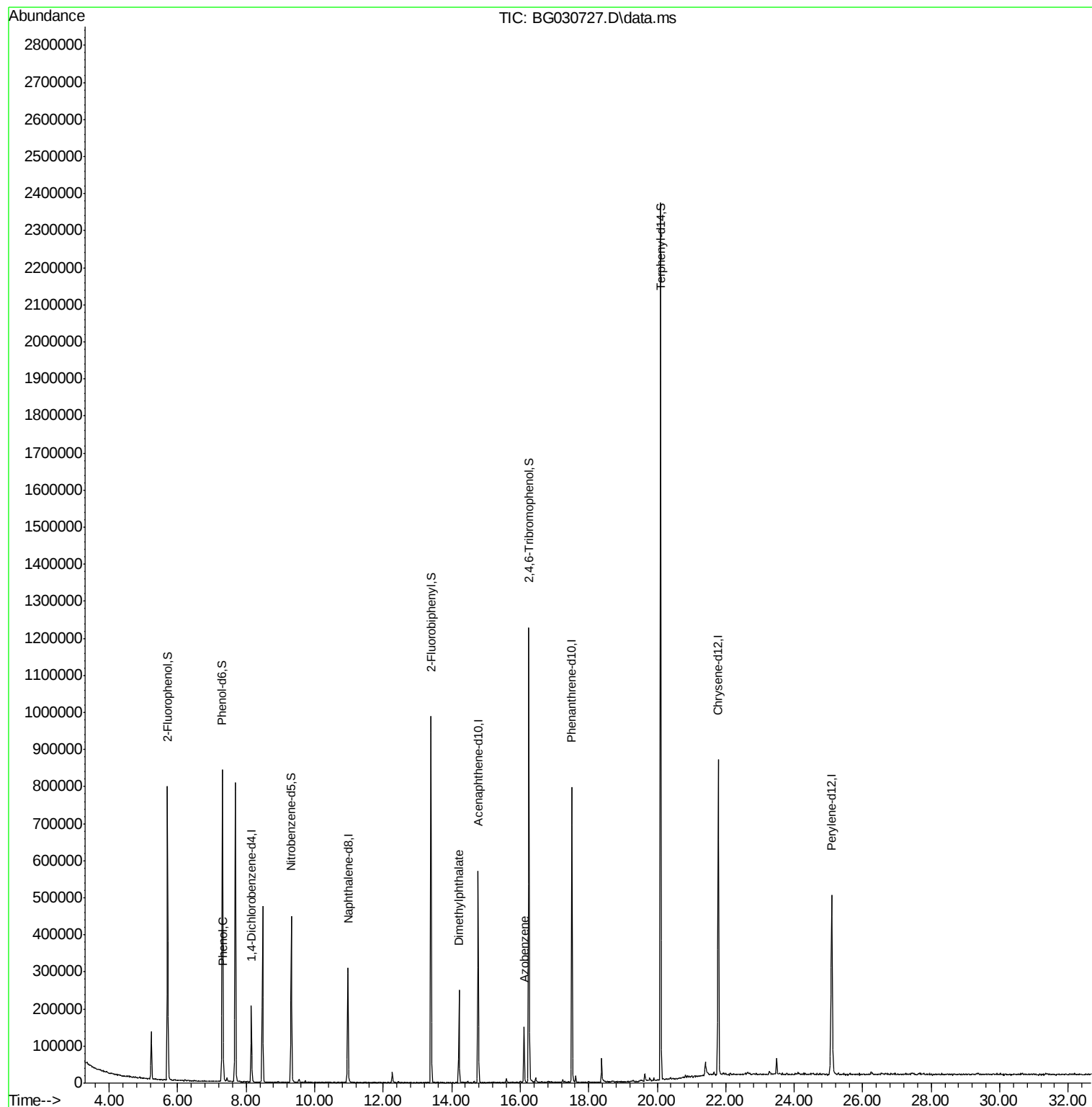
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.148	152	60579	20.00	ng	0.00
21) Naphthalene-d8	10.969	136	284426	20.00	ng	0.00
38) Acenaphthene-d10	14.770	164	201651	20.00	ng	0.00
63) Phenanthrene-d10	17.508	188	492765	20.00	ng	0.00
75) Chrysene-d12	21.785	240	538619	20.00	ng	0.00
86) Perylene-d12	25.099	264	544165	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.704	112	378323	104.33	ng	0.00
7) Phenol-d6	7.302	99	520138	102.19	ng	0.00
23) Nitrobenzene-d5	9.312	82	280240	62.61	ng	-0.01
41) 2,4,6-Tribromophenol	16.251	330	255375	98.09	ng	0.00
44) 2-Fluorobiphenyl	13.395	172	547069	39.79	ng	0.00
78) Terphenyl-d14	20.099	244	1119815	47.30	ng	0.00
Target Compounds						
10) Phenol	7.332	94	26164	4.77	ng	91
49) Dimethylphthalate	14.212	163	182052	11.57	ng	# 98
62) Azobenzene	16.115	77	43883	3.32	ng	# 1

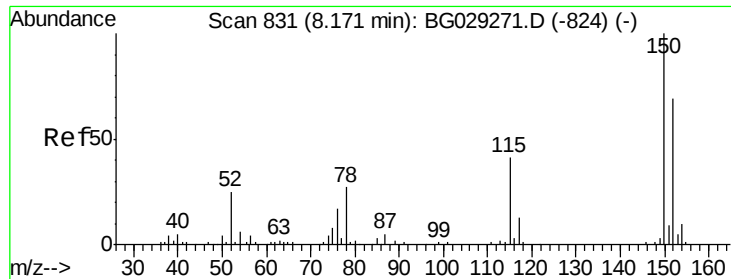
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.148 min Scan# 82

Delta R.T. -0.005 min

Lab File: BG030727.D

Acq: 4 Nov 2017 9:15

Instrument :

BNA_G

ClientSampleId :

RLF-SD-5

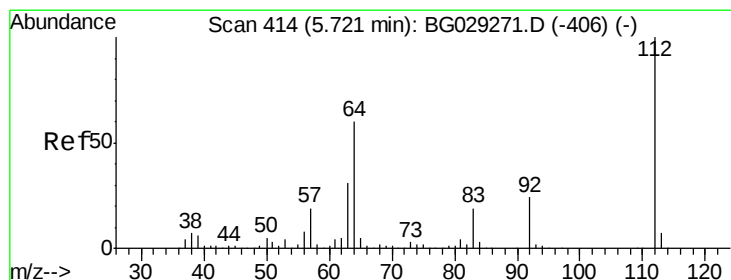
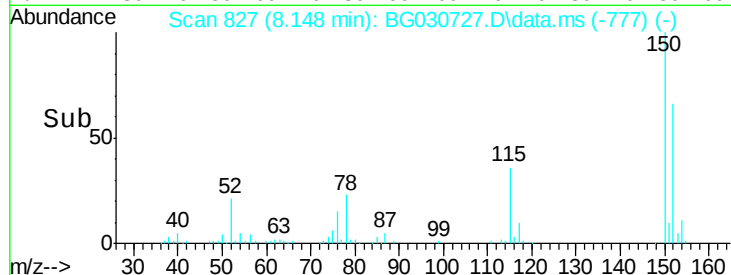
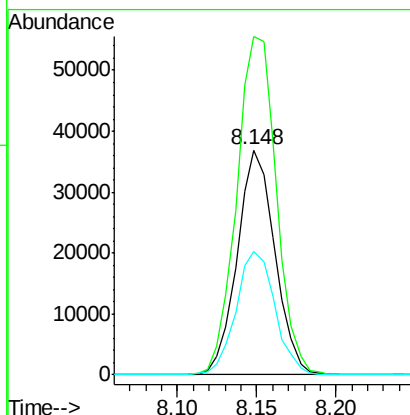
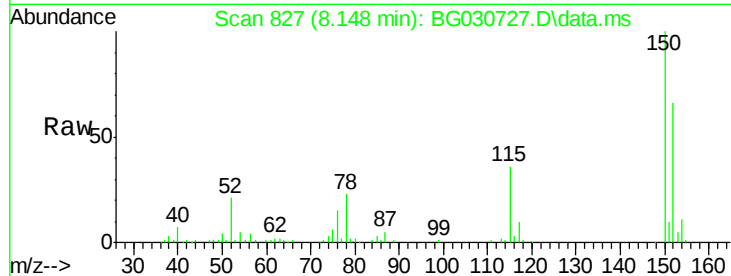
Tot Ion:152 Resp: 60579

Ion Ratio Lower Upper

152 100

150 150.5 126.6 189.8

115 54.7 53.0 79.4



#5

2-Fluorophenol

Concen: 104.33 ng

RT: 5.704 min Scan# 411

Delta R.T. -0.005 min

Lab File: BG030727.D

Acq: 4 Nov 2017 9:15

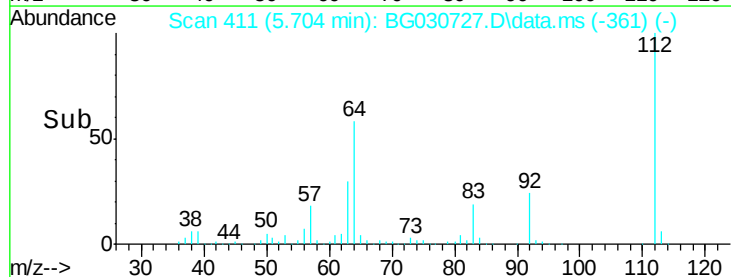
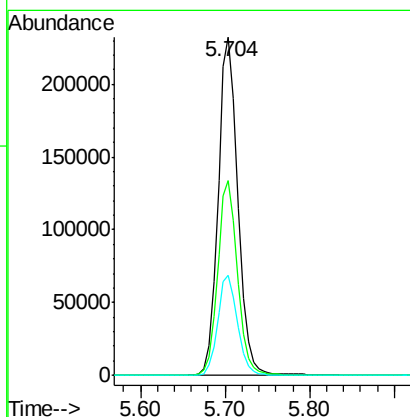
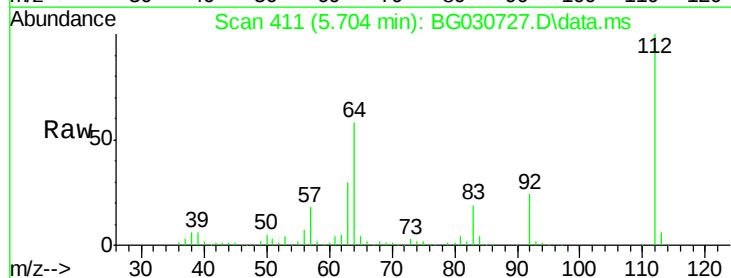
Tgt Ion:112 Resp: 378323

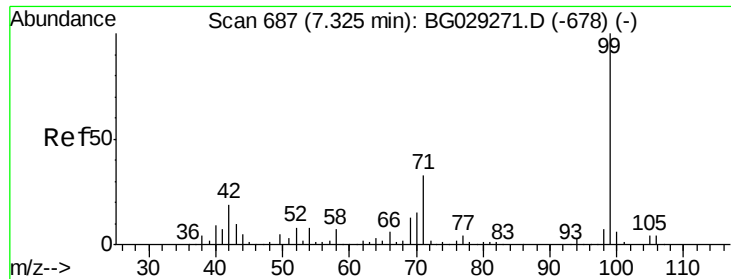
Ion Ratio Lower Upper

112 100

64 57.8 56.3 84.5

63 29.7 30.1 45.1#





#7

Phenol-d6

Concen: 102.19 ng

RT: 7.302 min Scan# 68

Delta R.T. -0.005 min

Lab File: BG030727.D

Acq: 4 Nov 2017 9:15

Instrument :

BNA_G

ClientSampleId :

RLF-SD-5

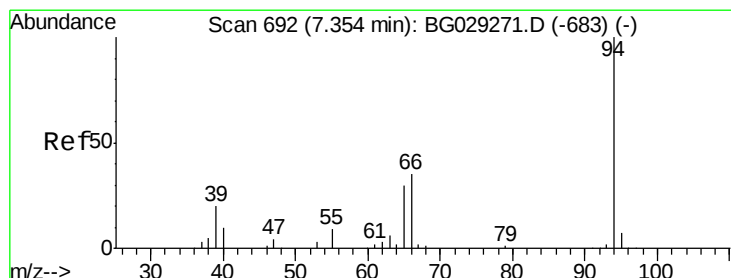
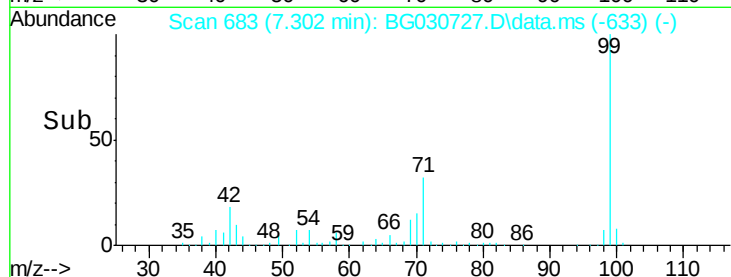
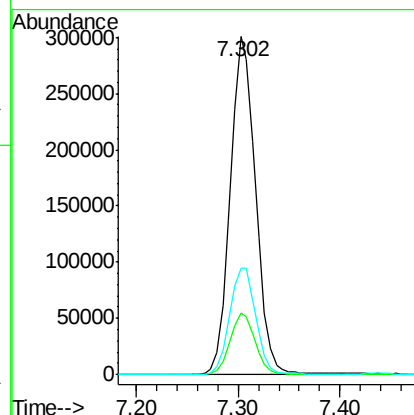
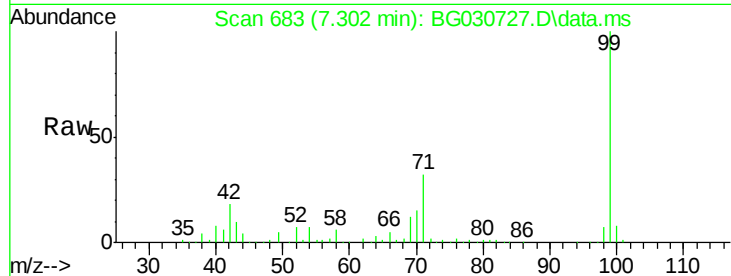
Tot Ion: 99 Resp: 520138

Ion Ratio Lower Upper

99 100

42 18.1 14.1 21.1

71 31.6 26.1 39.1



#10

Phenol

Concen: 4.77 ng

RT: 7.332 min Scan# 688

Delta R.T. -0.005 min

Lab File: BG030727.D

Acq: 4 Nov 2017 9:15

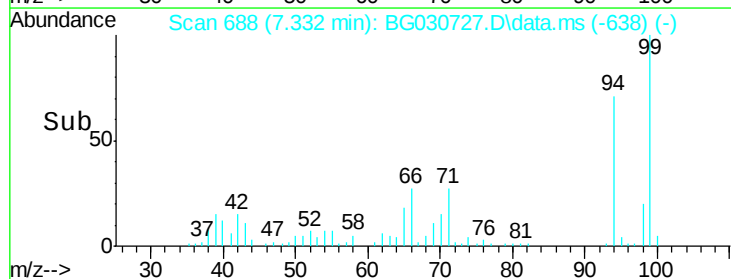
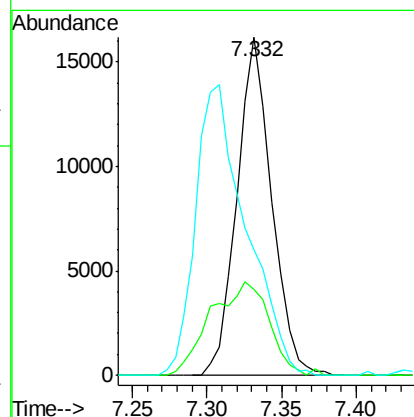
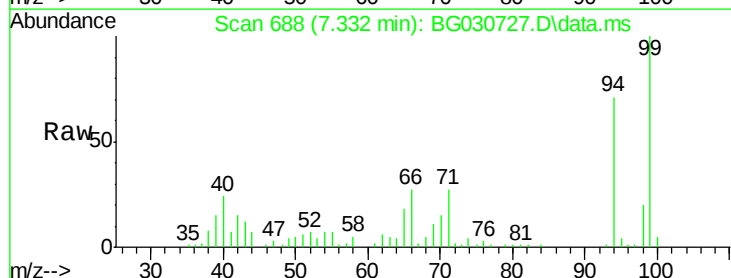
Tgt Ion: 94 Resp: 26164

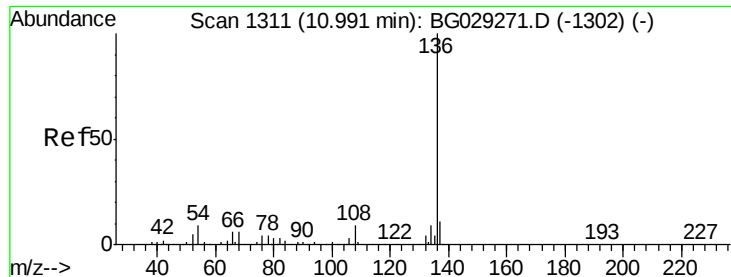
Ion Ratio Lower Upper

94 100

65 25.5 11.9 51.9

66 37.3 22.2 62.2

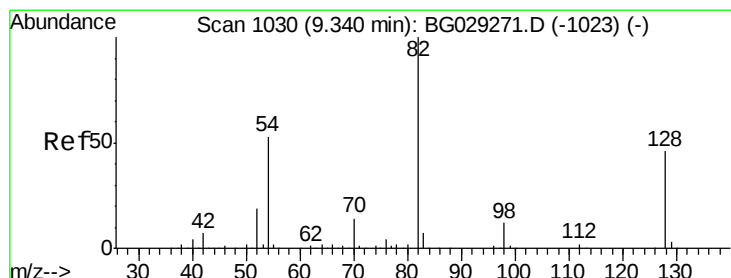
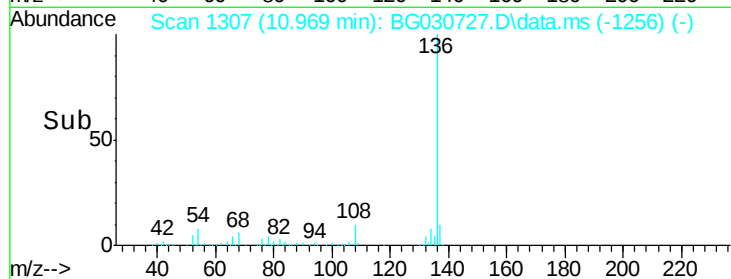
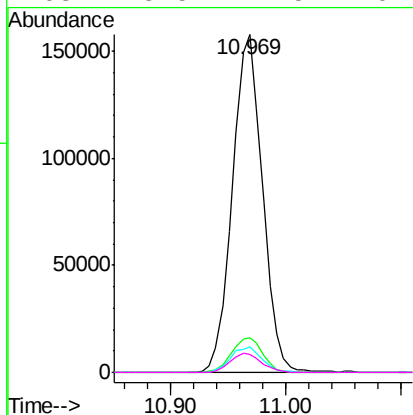
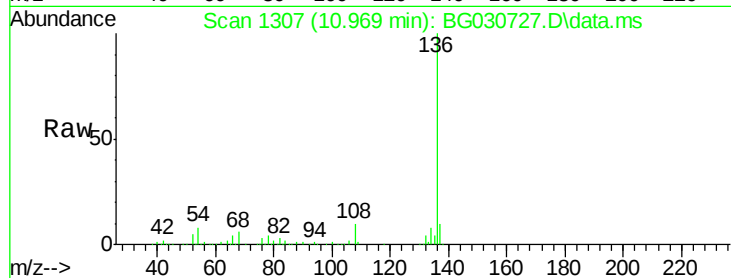




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.969 min Scan# 1311
Delta R.T. 0.001 min
Lab File: BG030727.D
Acq: 4 Nov 2017 9:15

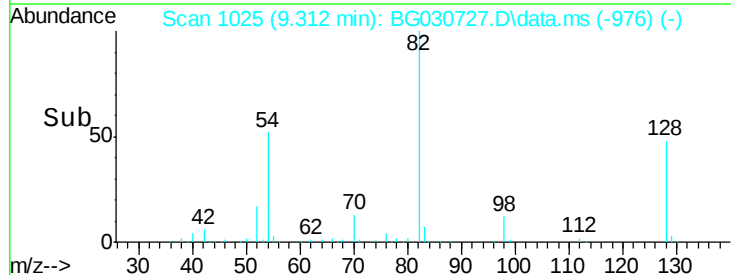
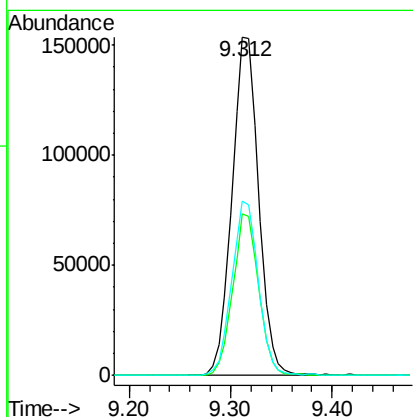
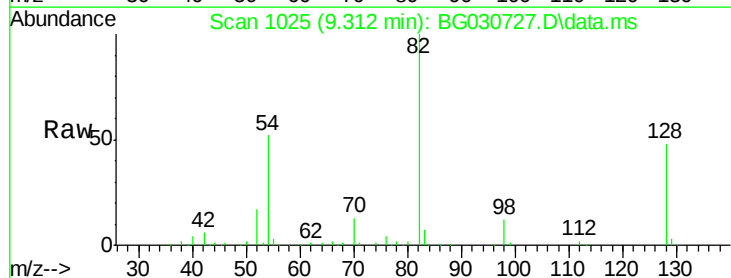
Instrument :
BNA_G
ClientSampleId :
RLF-SD-5

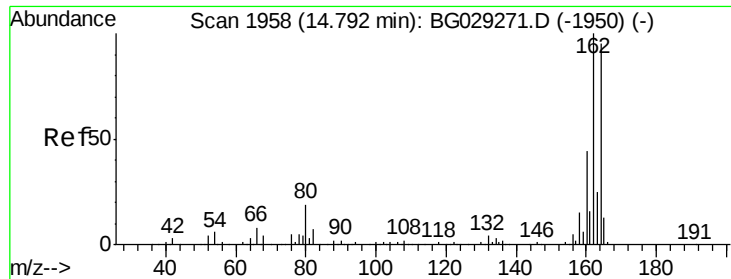
Tot Ion:	136	Resp:	284426
Ion Ratio	Lower	Upper	
136	100		
137	10.3	9.2	13.8
54	7.6	10.3	15.5#
68	5.5	4.5	6.7



#23
Nitrobenzene-d5
Concen: 62.61 ng
RT: 9.312 min Scan# 1025
Delta R.T. -0.010 min
Lab File: BG030727.D
Acq: 4 Nov 2017 9:15

Tgt Ion:	82	Resp:	280240
Ion Ratio	Lower	Upper	
82	100		
128	47.6	29.7	44.5#
54	51.7	43.1	64.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.770 min Scan# 19

Delta R.T. -0.005 min

Lab File: BG030727.D

Acq: 4 Nov 2017 9:15

Instrument :

BNA_G

ClientSampleId :

RLF-SD-5

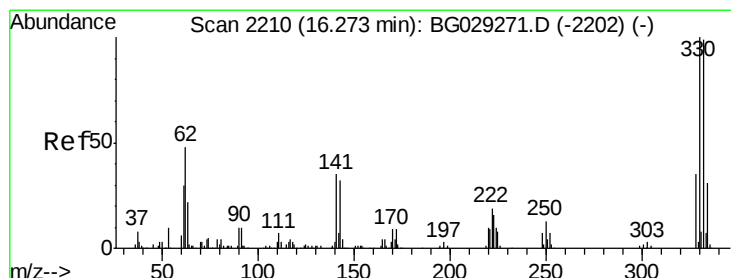
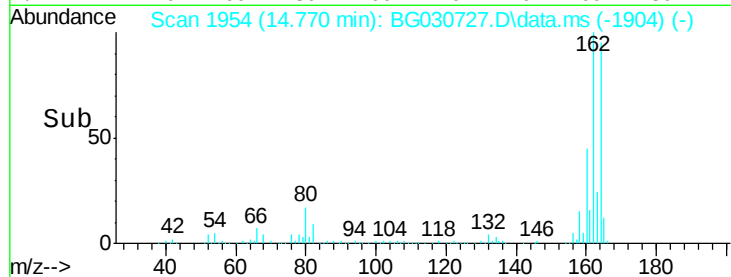
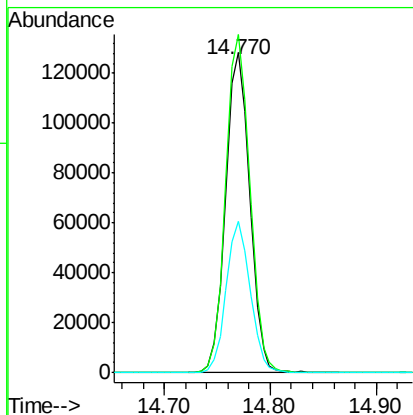
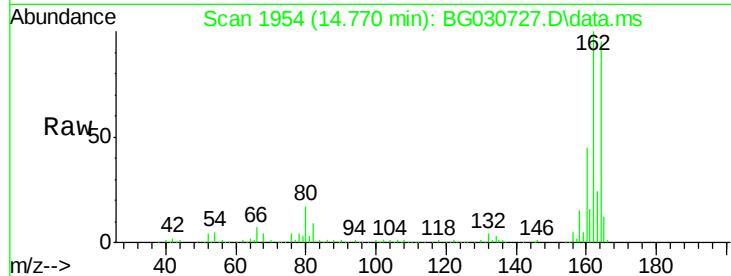
Tot Ion:164 Resp: 201651

Ion Ratio Lower Upper

164 100

162 105.7 78.8 118.2

160 47.2 35.4 53.0



#41

2,4,6-Tribromophenol

Concen: 98.09 ng

RT: 16.251 min Scan# 2206

Delta R.T. -0.005 min

Lab File: BG030727.D

Acq: 4 Nov 2017 9:15

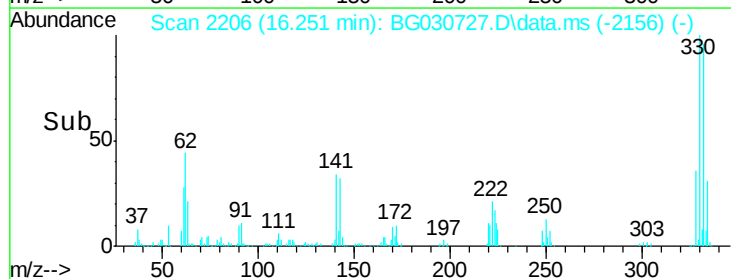
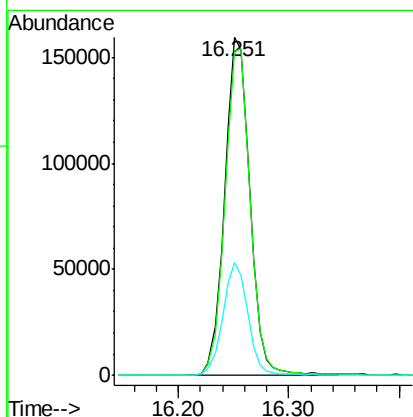
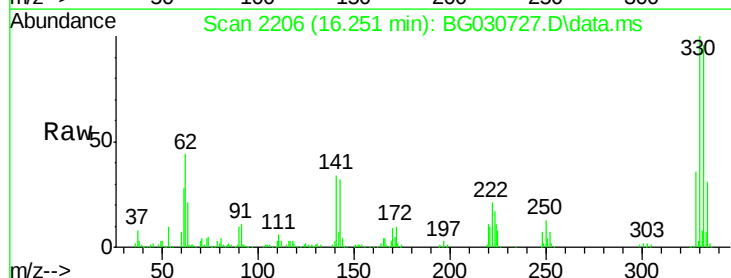
Tgt Ion:330 Resp: 255375

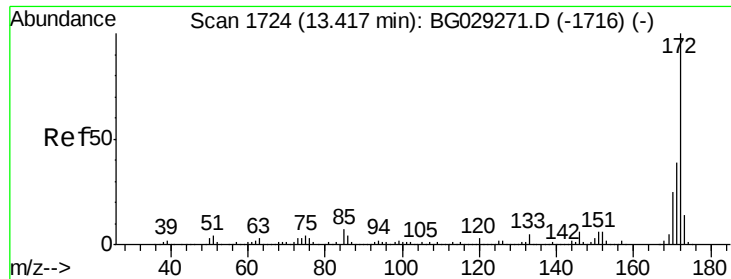
Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.6

141 33.0 25.2 37.8





#44

2-Fluorobiphenyl

Concen: 39.79 ng

RT: 13.395 min Scan# 17

Delta R.T. -0.005 min

Lab File: BG030727.D

Acq: 4 Nov 2017 9:15

Instrument :

BNA_G

ClientSampleId :

RLF-SD-5

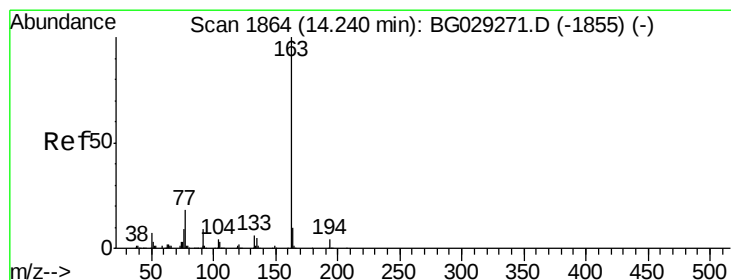
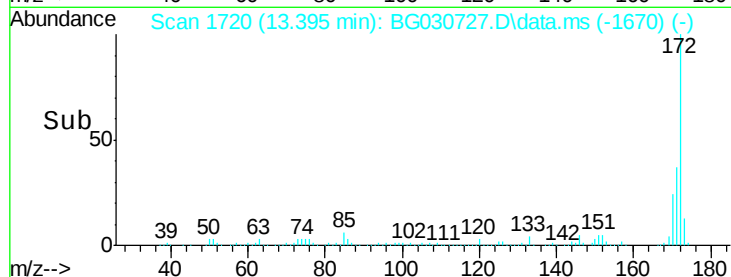
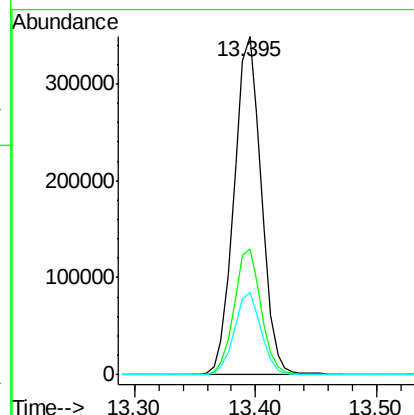
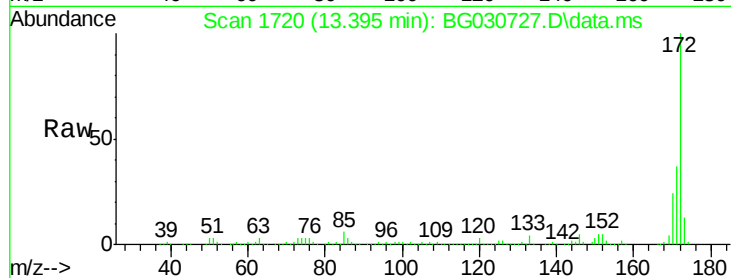
Tot Ion:172 Resp: 547069

Ion Ratio Lower Upper

172 100

171 37.3 30.0 45.0

170 24.4 19.5 29.3



#49

Dimethylphthalate

Concen: 11.57 ng

RT: 14.212 min Scan# 1859

Delta R.T. -0.005 min

Lab File: BG030727.D

Acq: 4 Nov 2017 9:15

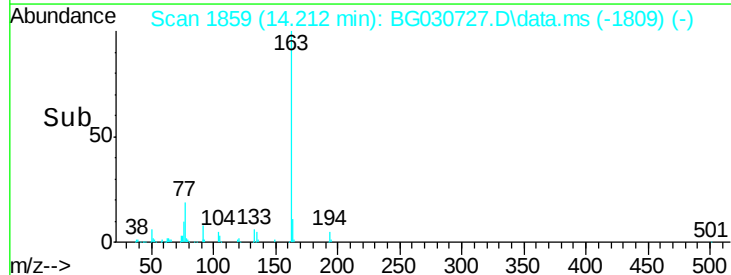
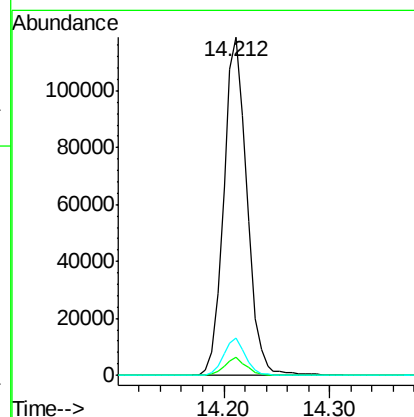
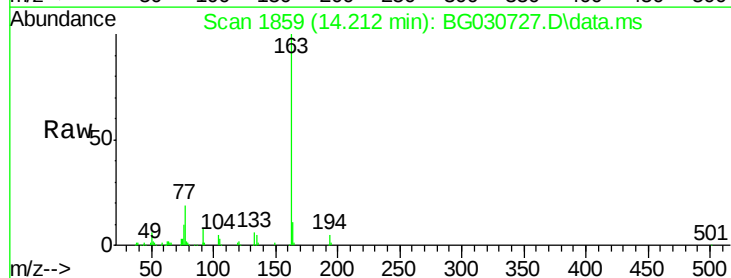
Tgt Ion:163 Resp: 182052

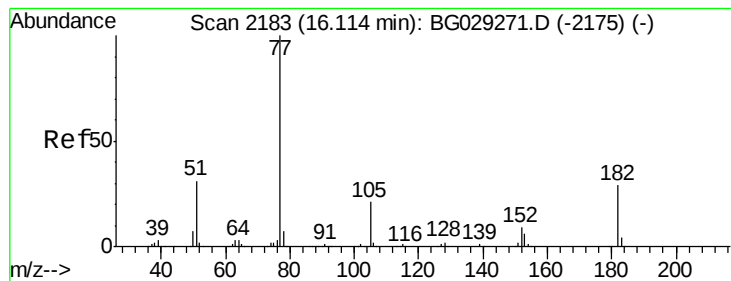
Ion Ratio Lower Upper

163 100

194 5.2 3.4 5.2#

164 10.9 8.2 12.4





#62

Azobenzene

Concen: 3.32 ng

RT: 16.115 min Scan# 21

Delta R.T. 0.019 min

Lab File: BG030727.D

Acq: 4 Nov 2017 9:15

Instrument :

BNA_G

ClientSampleId :

RLF-SD-5

Tot Ion: 77 Resp: 43883

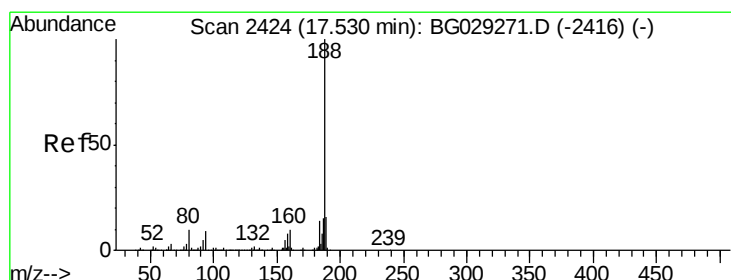
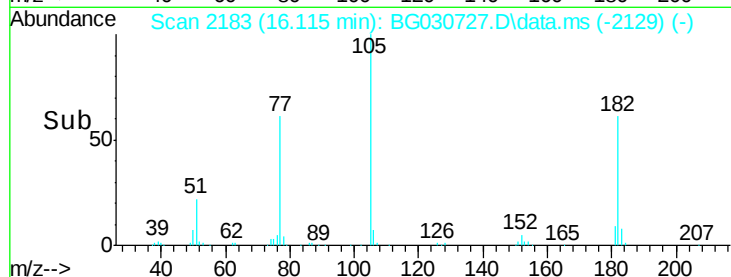
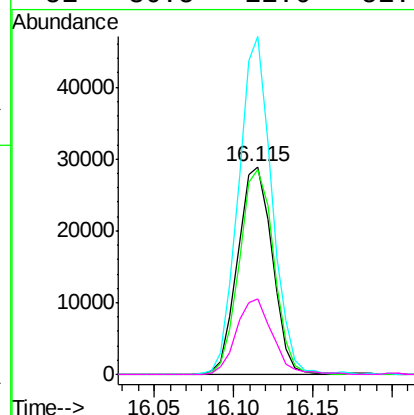
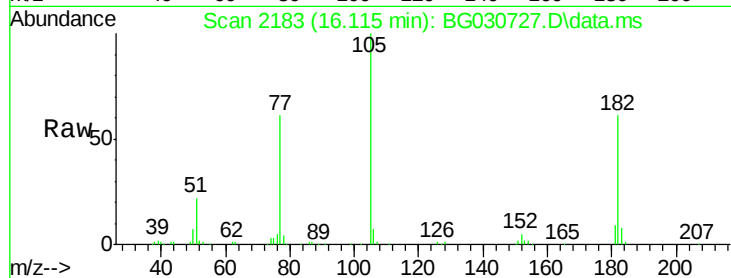
Ion Ratio Lower Upper

77 100

182 98.7 7.4 47.4#

105 162.9 0.3 40.3#

51 36.5 11.6 51.6



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.508 min Scan# 2420

Delta R.T. -0.005 min

Lab File: BG030727.D

Acq: 4 Nov 2017 9:15

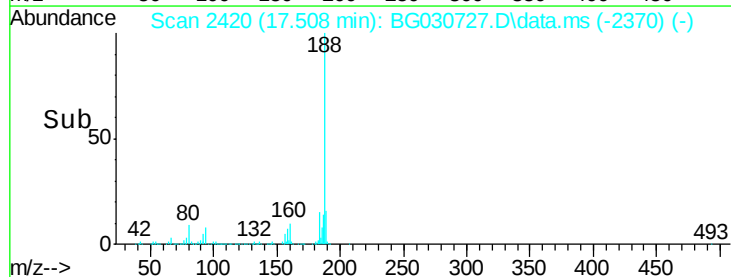
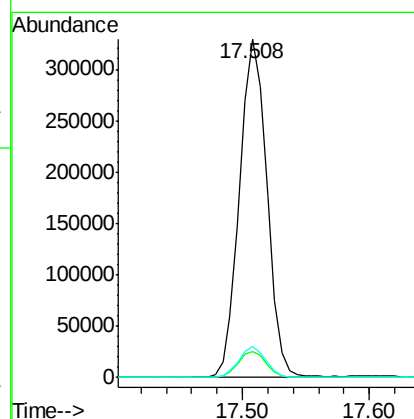
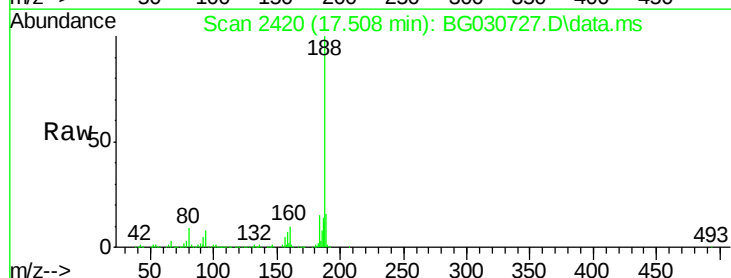
Tgt Ion: 188 Resp: 492765

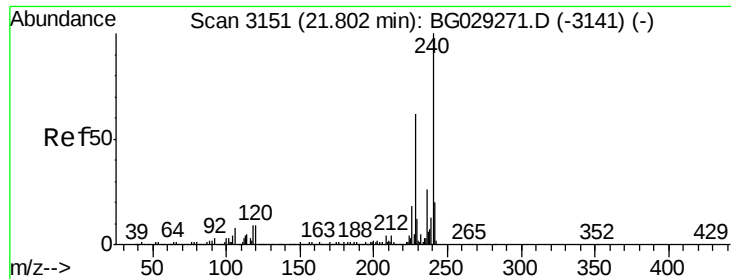
Ion Ratio Lower Upper

188 100

94 7.6 6.9 10.3

80 9.1 7.7 11.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.785 min Scan# 31

Delta R.T. 0.001 min

Lab File: BG030727.D

Acq: 4 Nov 2017 9:15

Instrument :

BNA_G

ClientSampleId :

RLF-SD-5

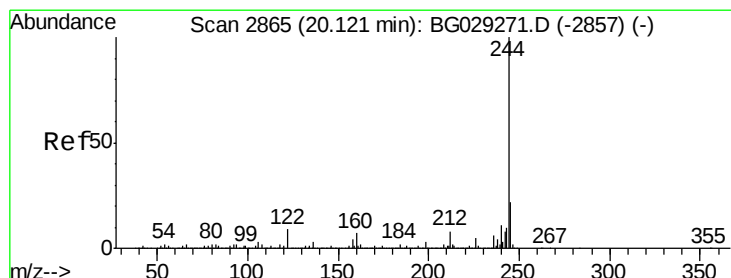
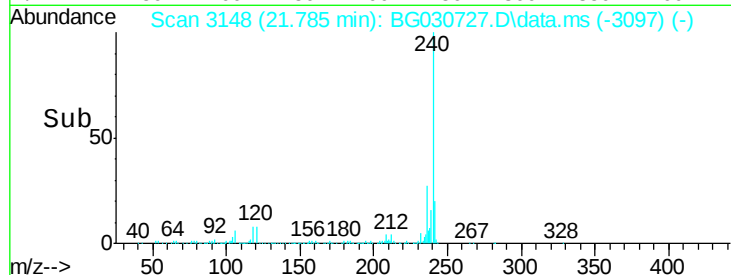
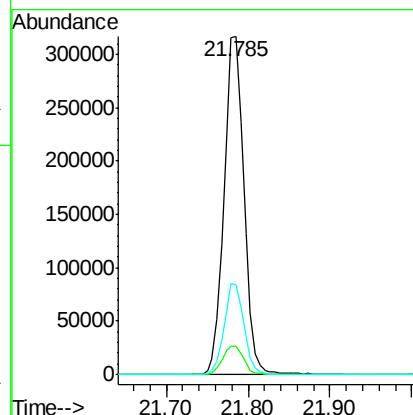
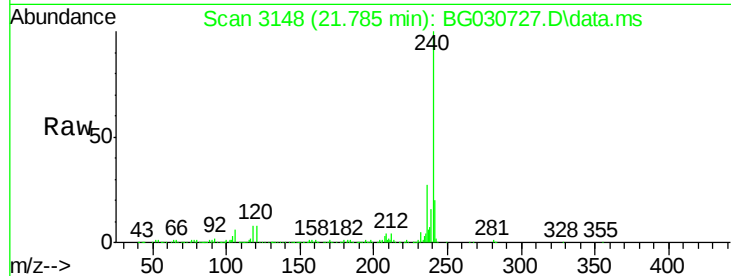
Tot Ion:240 Resp: 538619

Ion Ratio Lower Upper

240 100

120 8.4 6.8 10.2

236 26.7 20.9 31.3



#78

Terphenyl-d14

Concen: 47.30 ng

RT: 20.099 min Scan# 2861

Delta R.T. 0.001 min

Lab File: BG030727.D

Acq: 4 Nov 2017 9:15

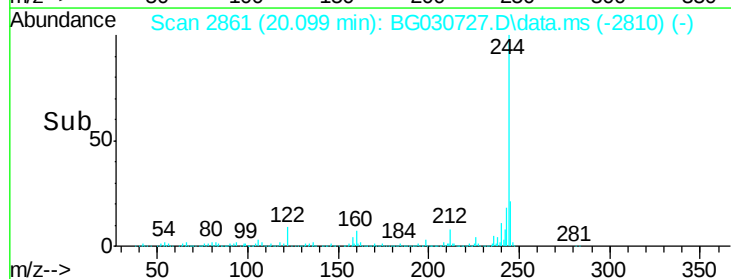
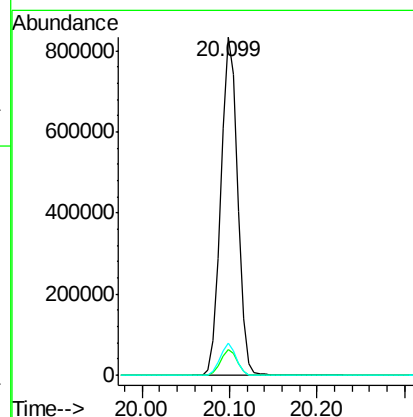
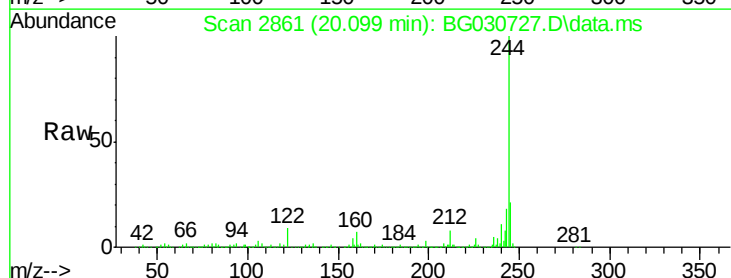
Tgt Ion:244 Resp: 1119815

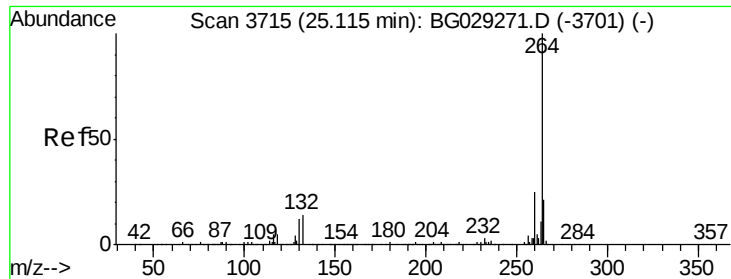
Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.8

122 9.4 7.0 10.4





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 25.099 min Scan# 37
 Delta R.T. 0.007 min
 Lab File: BG030727.D
 Acq: 4 Nov 2017 9:15

Instrument :
 BNA_G
 ClientSampleId :
 RLF-SD-5

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	17.4	26.0
265	21.4	17.7	26.5

