

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062317\
 Data File : BG027646.D
 Acq On : 24 Jun 2017 1:10
 Operator : SJ/JU
 Sample : I3868-12
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-062217-D

Quant Time: Jun 24 02:33:35 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 21 18:52:15 2017
 Response via : Initial Calibration

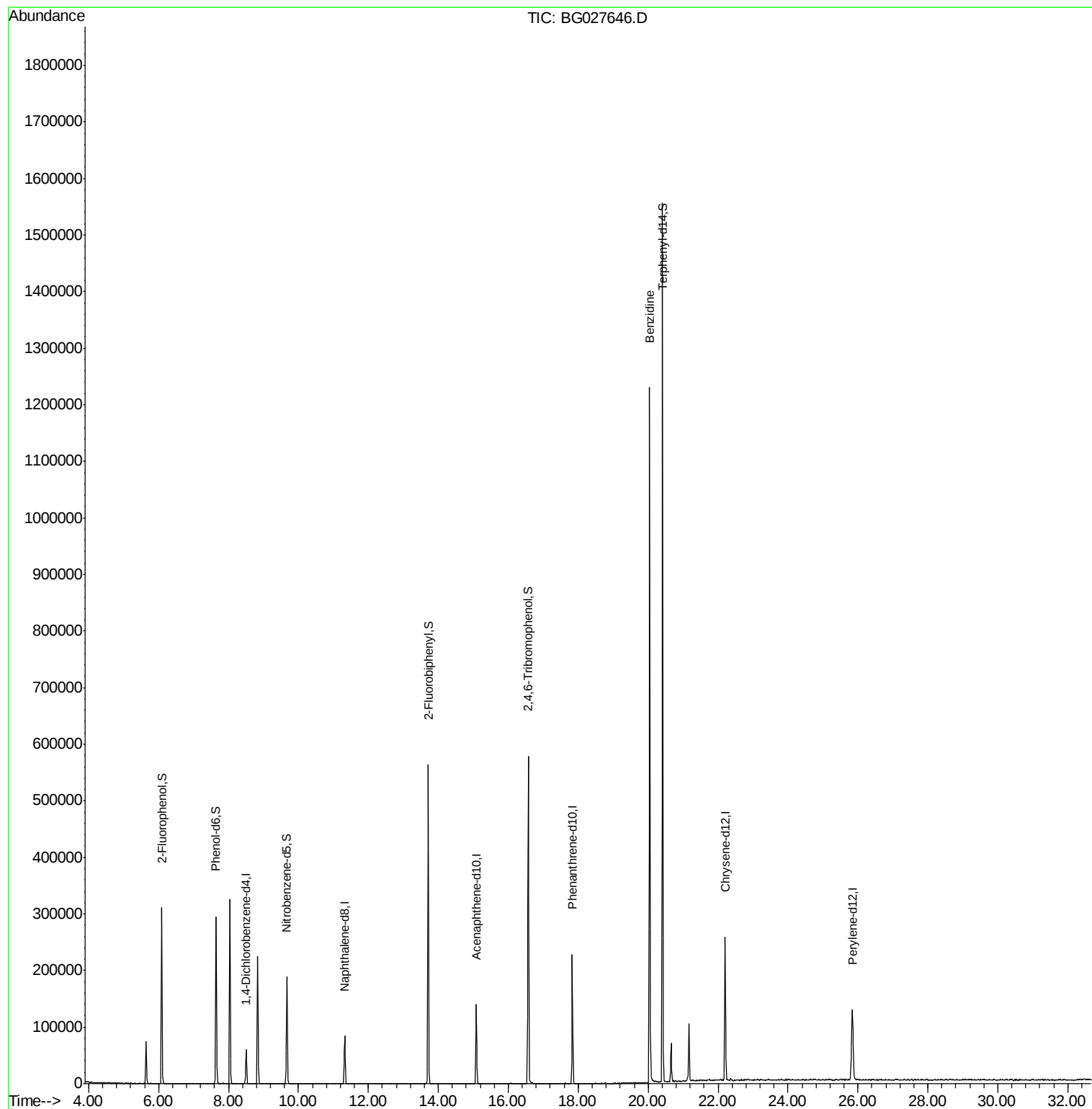
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.50	152	15990	20.00	ng	0.00
21) Naphthalene-d8	11.32	136	72071	20.00	ng	0.00
38) Acenaphthene-d10	15.09	164	48477	20.00	ng	0.00
63) Phenanthrene-d10	17.84	188	148897	20.00	ng	0.00
75) Chrysene-d12	22.20	240	168966	20.00	ng	-0.01
86) Perylene-d12	25.84	264	162844	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.09	112	125502	111.71	ng	0.00
7) Phenol-d6	7.64	99	165522	99.52	ng	0.00
23) Nitrobenzene-d5	9.67	82	119488	78.45	ng	0.00
41) 2,4,6-Tribromophenol	16.57	330	110217	152.50	ng	-0.01
44) 2-Fluorobiphenyl	13.71	172	283983	80.02	ng	0.00
78) Terphenyl-d14	20.41	244	657175	91.64	ng	0.00
Target Compounds						
76) Benzidine	20.04	184	661015	159.40	ng	Qvalue 97

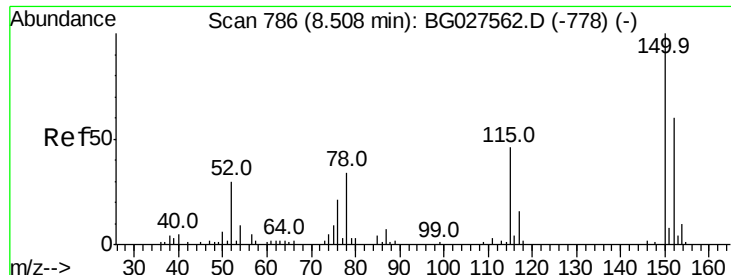
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.50 min Scan# 785

Delta R.T. -0.01 min

Lab File: BG027646.D

Acq: 24 Jun 2017 1:10

Instrument :

BNA_G

ClientSampleId :

CL-01-062217-D

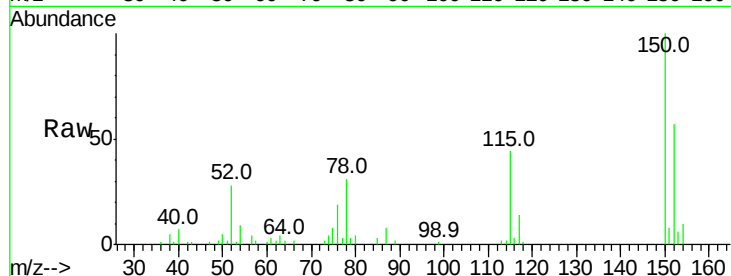
Tot Ion:152 Resp: 15990

Ion Ratio Lower Upper

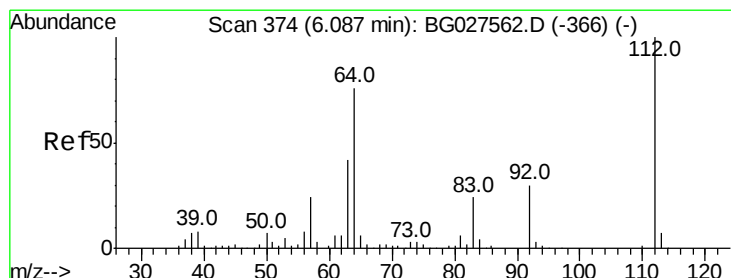
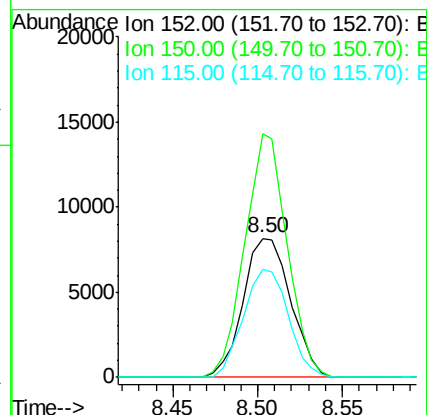
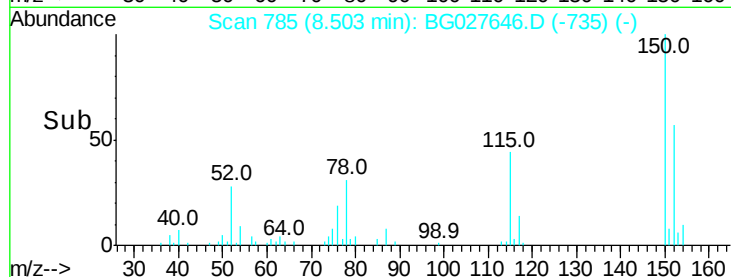
152 100

150 175.2 114.0 171.0#

115 77.7 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: 111.71 ng

RT: 6.09 min Scan# 374

Delta R.T. 0.00 min

Lab File: BG027646.D

Acq: 24 Jun 2017 1:10

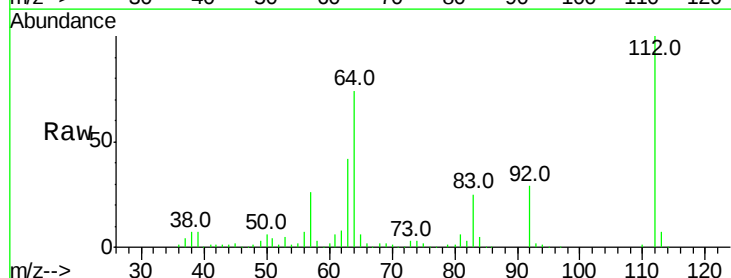
Tgt Ion:112 Resp: 125502

Ion Ratio Lower Upper

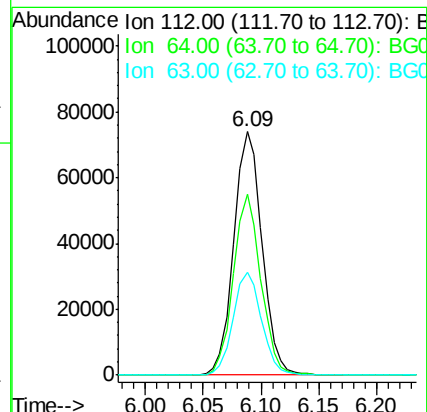
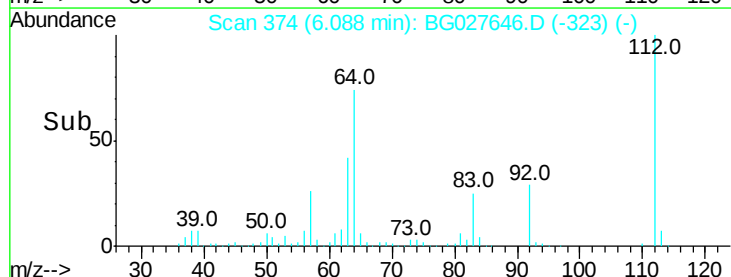
112 100

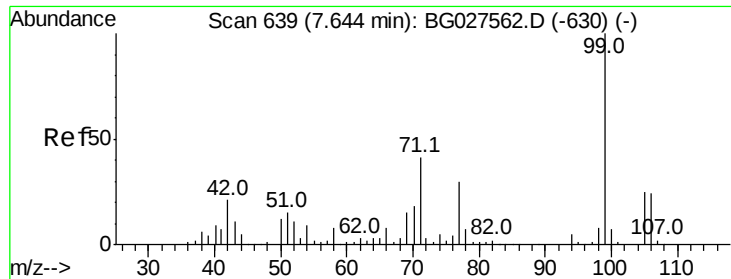
64 74.1 61.8 92.6

63 42.3 37.2 55.8



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





#7

Phenol-d6

Concen: 99.52 ng

RT: 7.64 min Scan# 638

Delta R.T. -0.01 min

Lab File: BG027646.D

Acq: 24 Jun 2017 1:10

Instrument :

BNA_G

ClientSampleId :

CL-01-062217-D

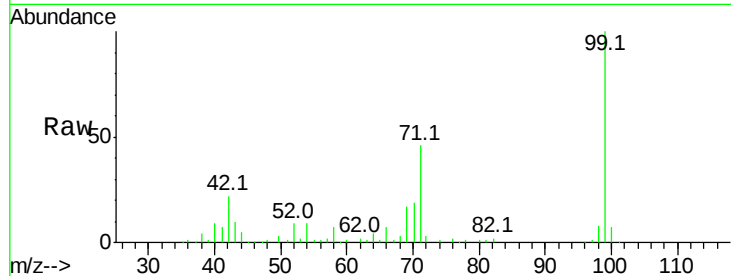
Tot Ion: 99 Resp: 165522

Ion Ratio Lower Upper

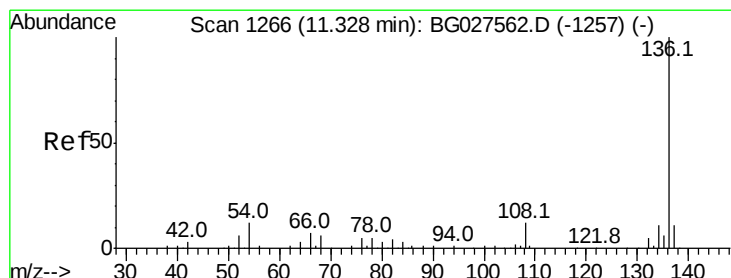
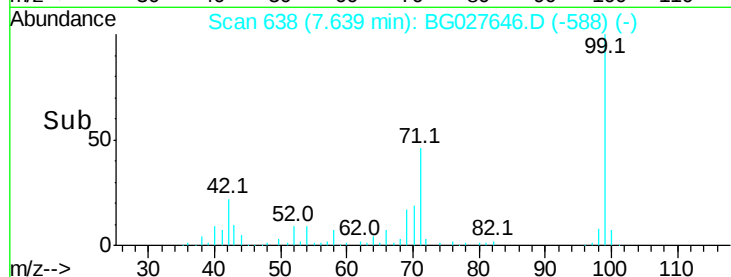
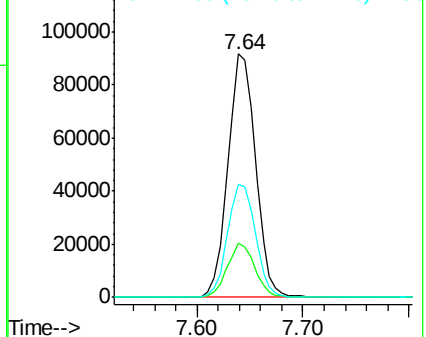
99 100

42 22.2 20.5 30.7

71 46.4 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: 11.32 min Scan# 1265

Delta R.T. -0.01 min

Lab File: BG027646.D

Acq: 24 Jun 2017 1:10

Tgt Ion: 136 Resp: 72071

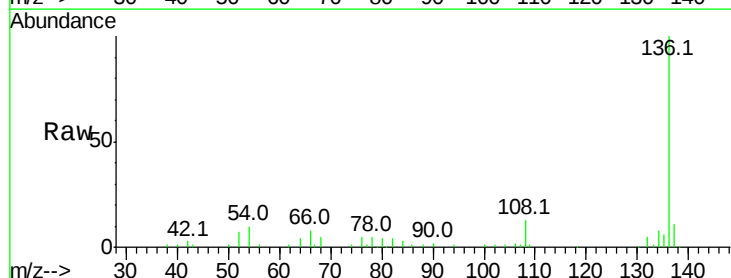
Ion Ratio Lower Upper

136 100

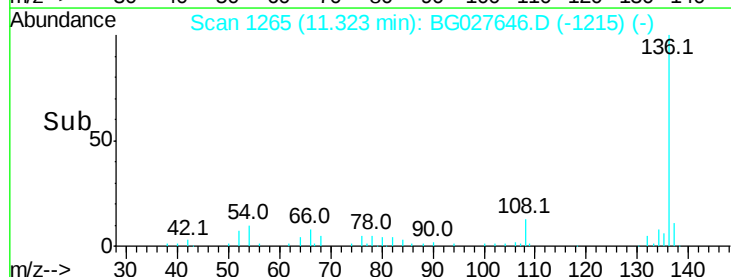
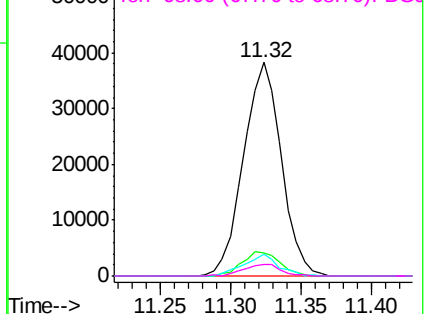
137 10.7 8.9 13.3

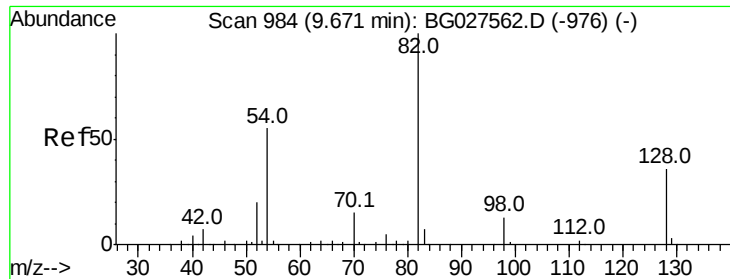
54 10.0 9.3 13.9

68 5.2 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

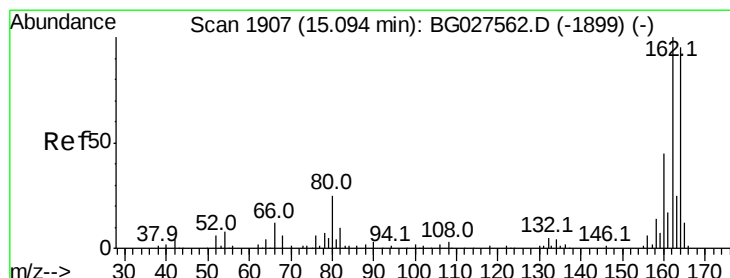
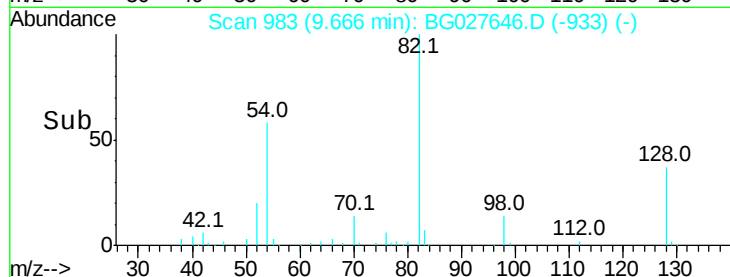
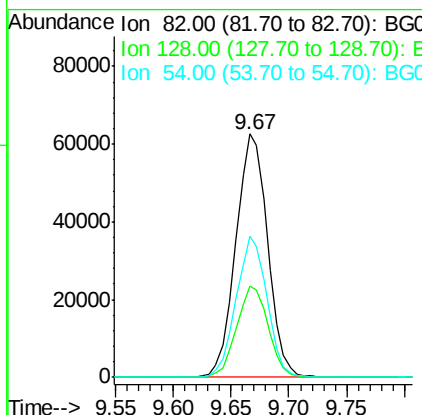
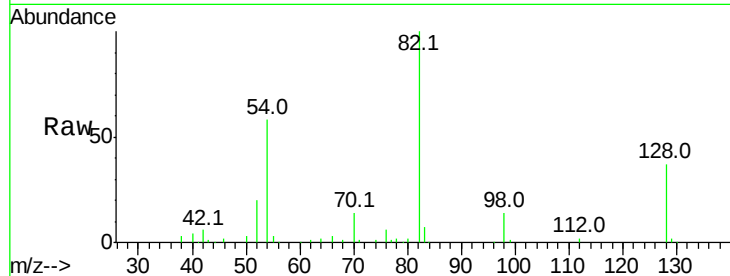




#23
 Nitrobenzene-d5
 Concen: 78.45 ng
 RT: 9.67 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: BG027646.D
 Acq: 24 Jun 2017 1:10

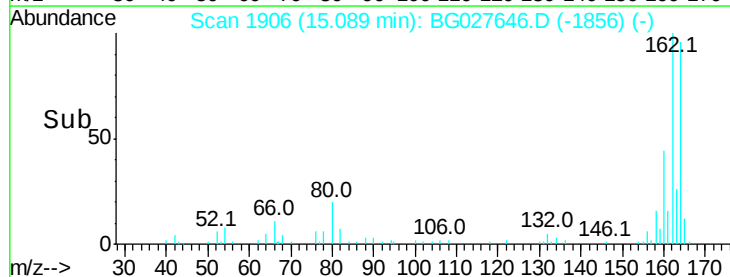
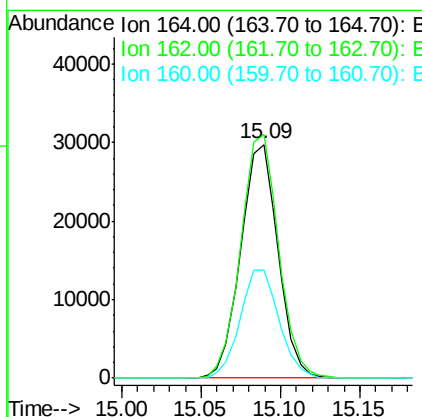
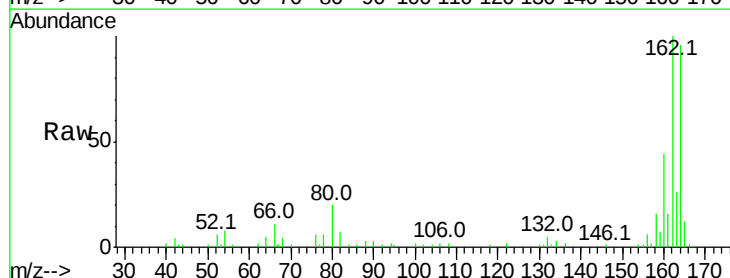
Instrument :
 BNA_G
 ClientSampleId :
 CL-01-062217-D

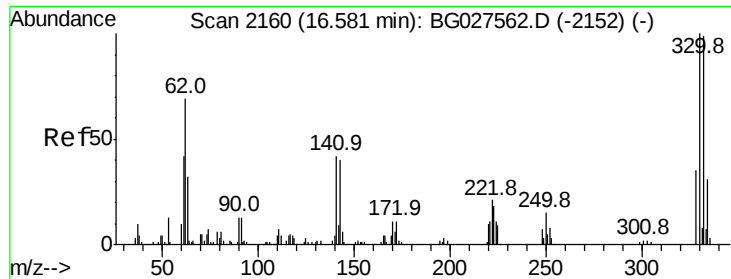
Tot Ion	82	Resp	119488
Ion Ratio	Lower	Upper	
82	100		
128	37.3	26.4	39.6
54	57.8	49.4	74.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.09 min Scan# 1906
 Delta R.T. -0.01 min
 Lab File: BG027646.D
 Acq: 24 Jun 2017 1:10

Tgt Ion	164	Resp	48477
Ion Ratio	Lower	Upper	
164	100		
162	104.3	85.1	127.7
160	46.3	34.7	52.1





#41

2,4,6-Tribromophenol

Concen: 152.50 ng

RT: 16.57 min Scan# 2158

Delta R.T. -0.01 min

Lab File: BG027646.D

Acq: 24 Jun 2017 1:10

Instrument :

BNA_G

ClientSampleId :

CL-01-062217-D

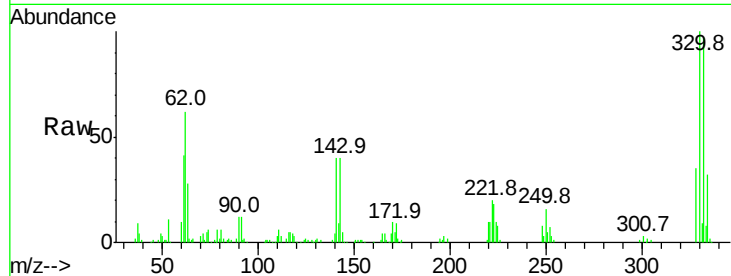
Tot Ion:330 Resp: 110217

Ion Ratio Lower Upper

330 100

332 94.8 77.3 115.9

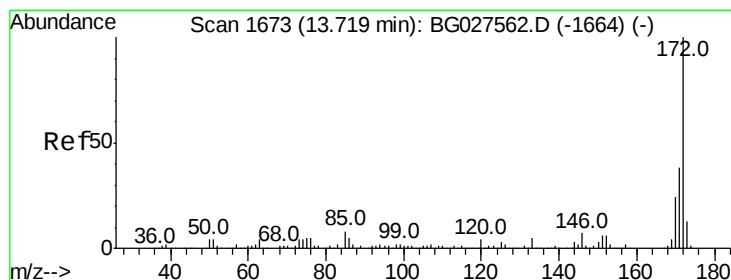
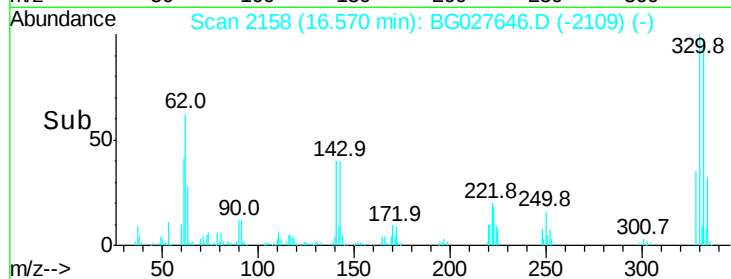
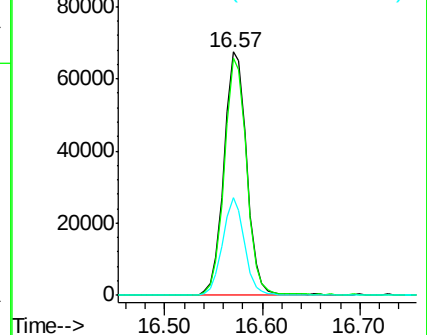
141 38.0 32.1 48.1



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: 80.02 ng

RT: 13.71 min Scan# 1672

Delta R.T. -0.01 min

Lab File: BG027646.D

Acq: 24 Jun 2017 1:10

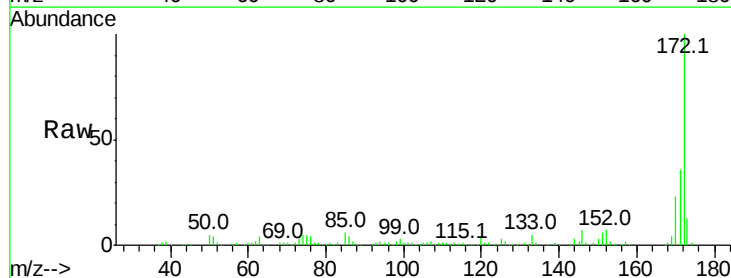
Tgt Ion:172 Resp: 283983

Ion Ratio Lower Upper

172 100

171 35.8 32.2 48.2

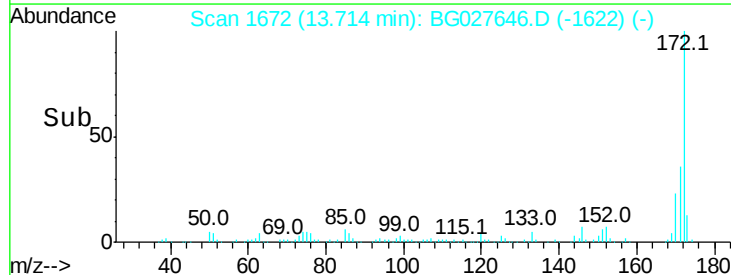
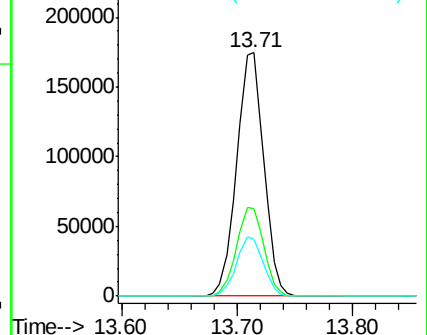
170 23.2 21.8 32.6

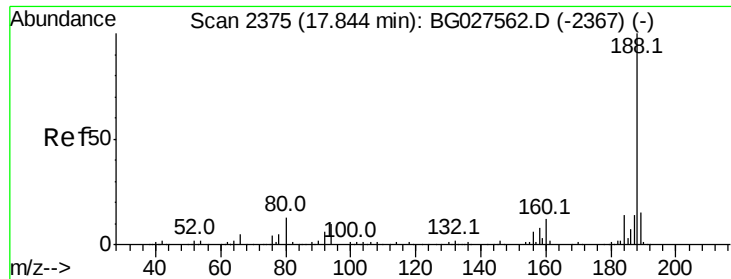


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

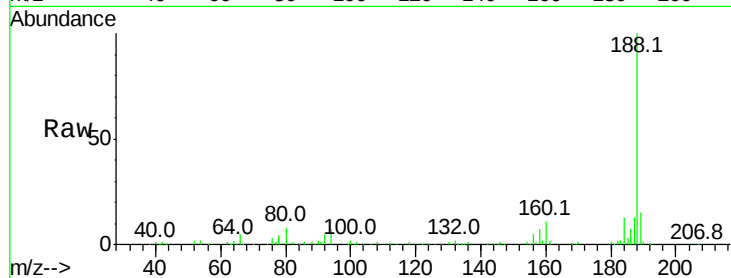




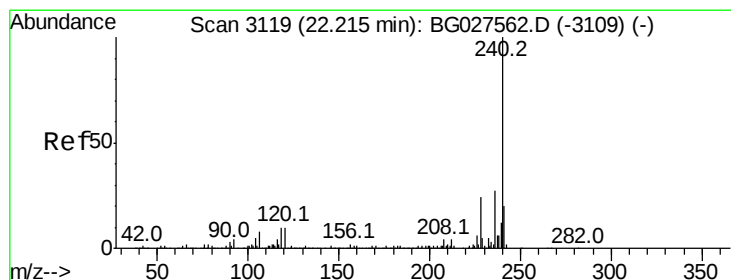
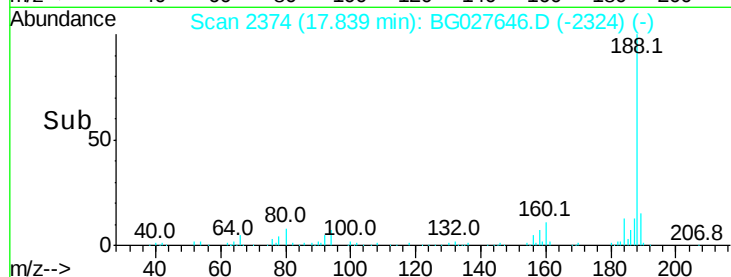
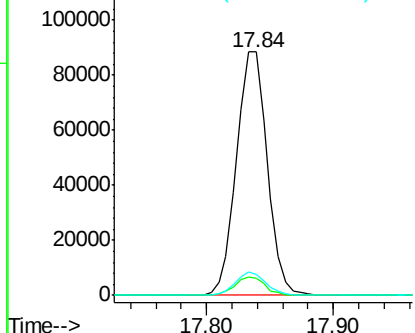
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.84 min Scan# 2374
Delta R.T. -0.01 min
Lab File: BG027646.D
Acq: 24 Jun 2017 1:10

Instrument :
BNA_G
ClientSampleId :
CL-01-062217-D

Tot Ion:188 Resp: 148897
Ion Ratio Lower Upper
188 100
94 7.3 5.8 8.8
80 8.4 7.5 11.3

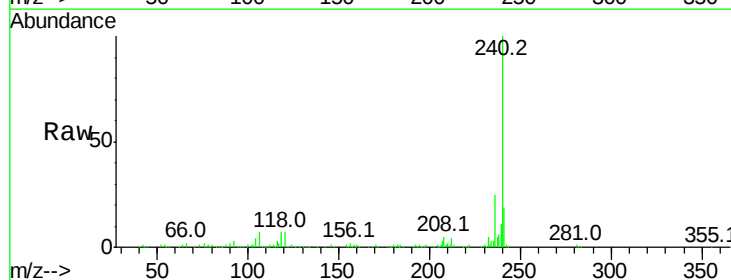


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

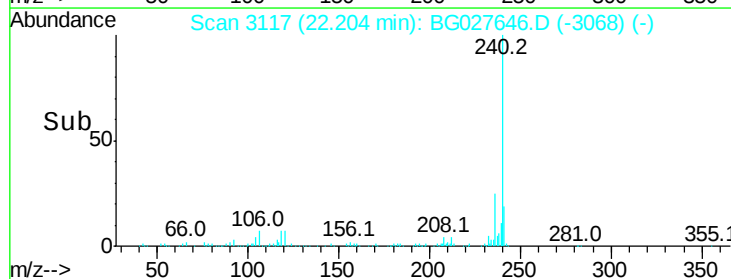
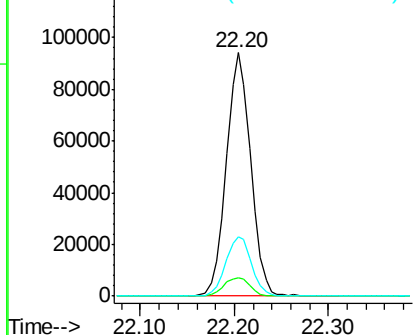


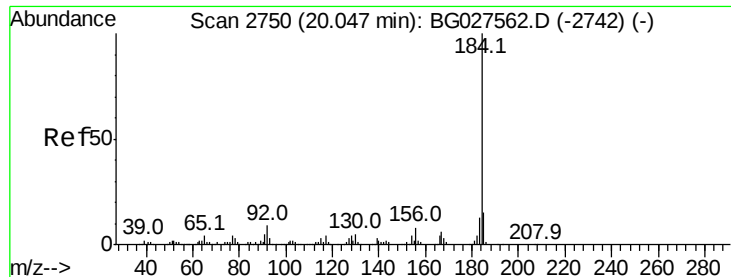
#75
Chrysene-d12
Concen: 20.00 ng
RT: 22.20 min Scan# 3117
Delta R.T. -0.01 min
Lab File: BG027646.D
Acq: 24 Jun 2017 1:10

Tgt Ion:240 Resp: 168966
Ion Ratio Lower Upper
240 100
120 7.4 5.7 8.5
236 24.5 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: 159.40 ng

RT: 20.04 min Scan# 2749

Delta R.T. -0.01 min

Lab File: BG027646.D

Acq: 24 Jun 2017 1:10

Instrument :

BNA_G

ClientSampleId :

CL-01-062217-D

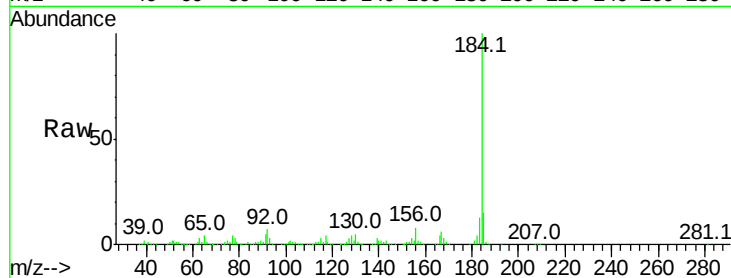
Tot Ion:184 Resp: 661015

Ion Ratio Lower Upper

184 100

185 14.6 13.0 19.6

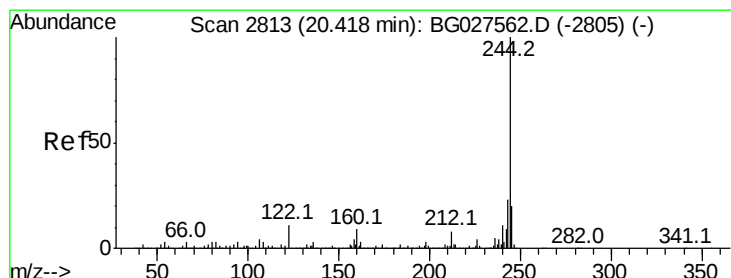
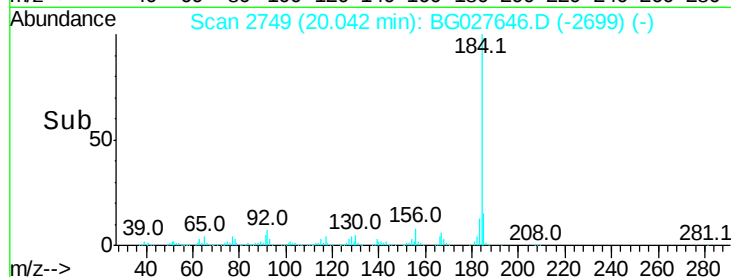
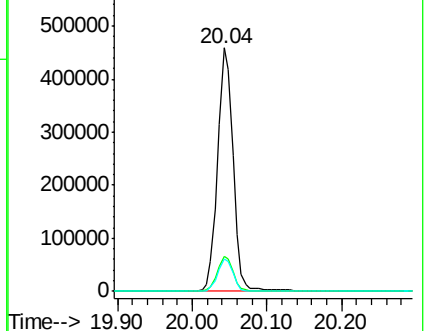
183 13.1 11.0 16.6



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: 91.64 ng

RT: 20.41 min Scan# 2812

Delta R.T. -0.01 min

Lab File: BG027646.D

Acq: 24 Jun 2017 1:10

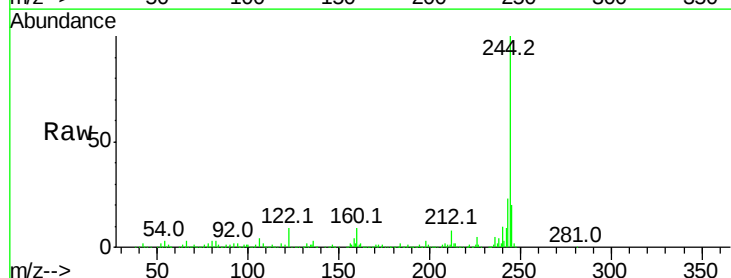
Tgt Ion:244 Resp: 657175

Ion Ratio Lower Upper

244 100

212 8.1 10.0 15.0#

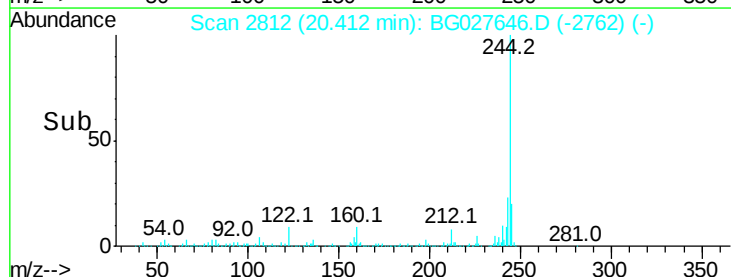
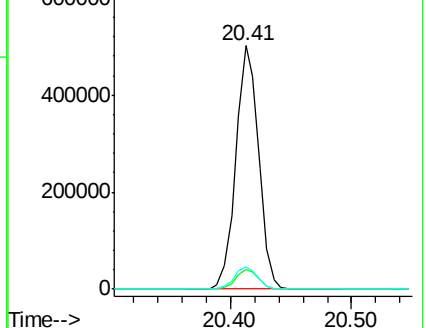
122 9.1 8.6 12.8

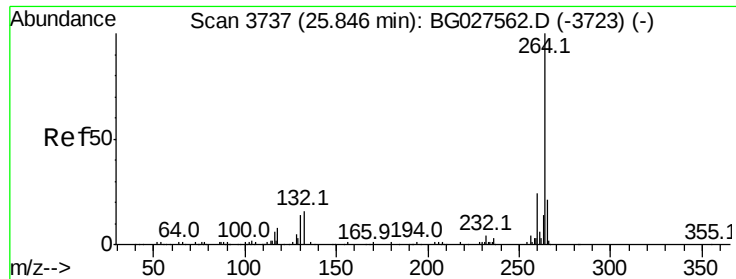


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 25.84 min Scan# 3735
 Delta R.T. -0.01 min
 Lab File: BG027646.D
 Acq: 24 Jun 2017 1:10

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-062217-D

Tot Ion: 264 Resp: 162844
 Ion Ratio Lower Upper
 264 100
 260 23.6 21.8 32.8
 265 21.1 18.2 27.4

