

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042117\
 Data File : BG026697.D
 Acq On : 21 Apr 2017 22:10
 Operator : SJ/MA
 Sample : I2782-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 22 03:59:43 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 18 18:04:39 2017
 Response via : Initial Calibration

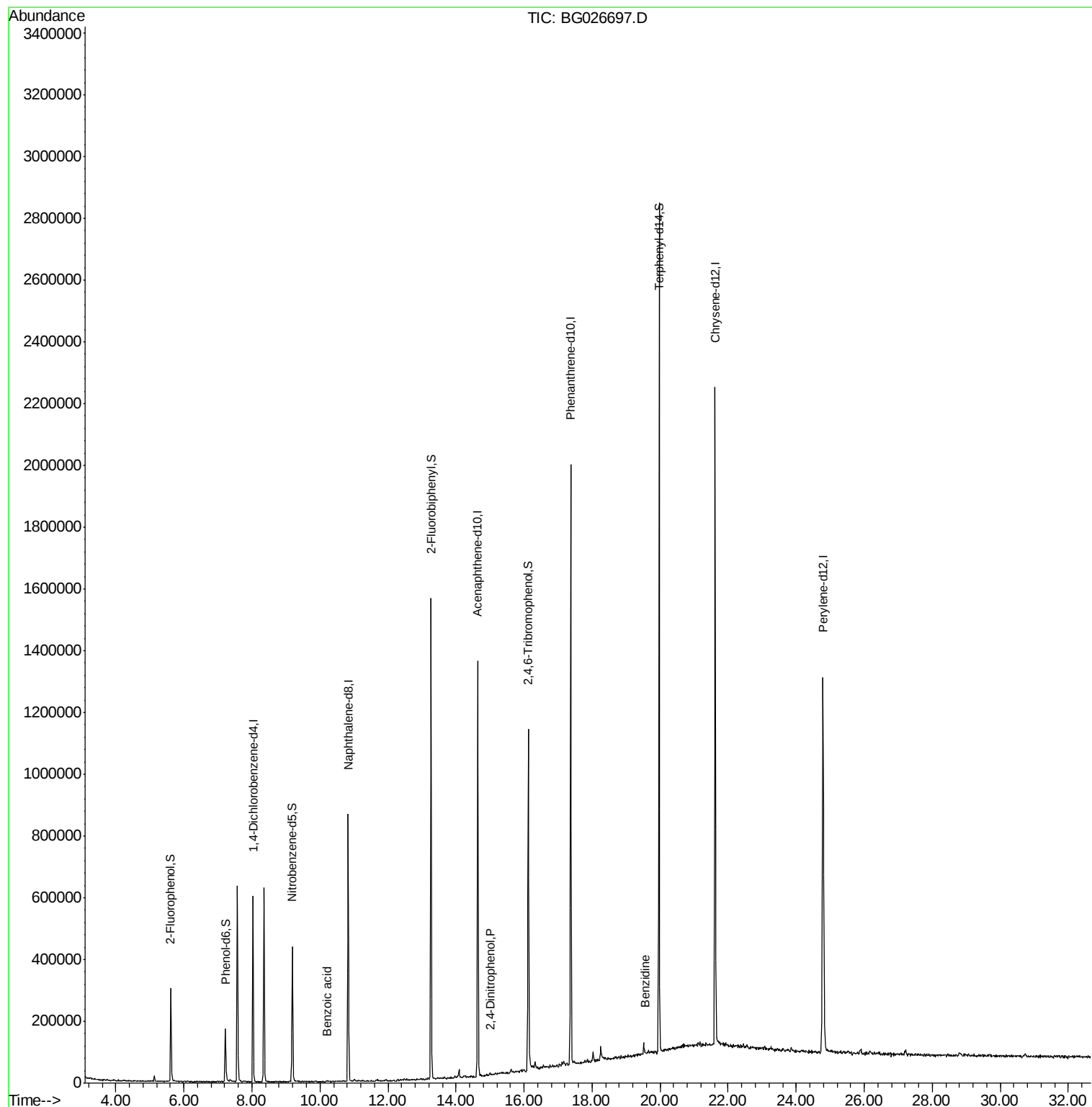
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	191165	20.00	ng	-0.02
21) Naphthalene-d8	10.83	136	828517	20.00	ng	-0.02
38) Acenaphthene-d10	14.64	164	503162	20.00	ng	-0.02
63) Phenanthrene-d10	17.37	188	1237082	20.00	ng	-0.02
75) Chrysene-d12	21.61	240	1327785	20.00	ng	-0.02
86) Perylene-d12	24.79	264	1304953	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	165827	15.77	ng	0.00
7) Phenol-d6	7.22	99	144967	10.52	ng	0.01
23) Nitrobenzene-d5	9.19	82	288507	24.30	ng	-0.02
41) 2,4,6-Tribromophenol	16.12	330	261115	37.24	ng	-0.02
44) 2-Fluorobiphenyl	13.27	172	902116	26.70	ng	-0.02
78) Terphenyl-d14	19.97	244	1247943	27.75	ng	-0.02
Target Compounds						
32) Benzoic acid	10.20	122	69	9.02	ng	# 1
53) 2,4-Dinitrophenol	15.01	184	58	8.76	ng	# 15
76) Benzidine	19.56	184	510	3.73	ng	# 1

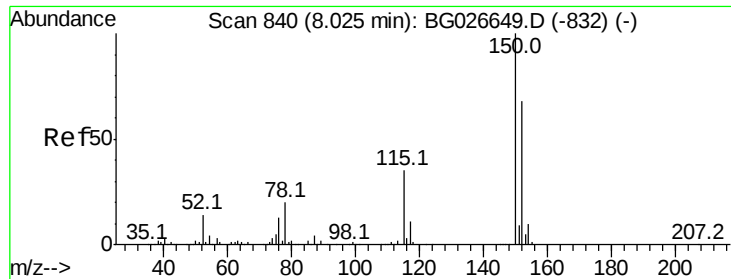
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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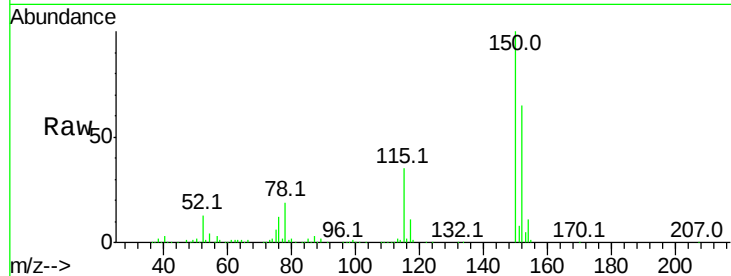


#1

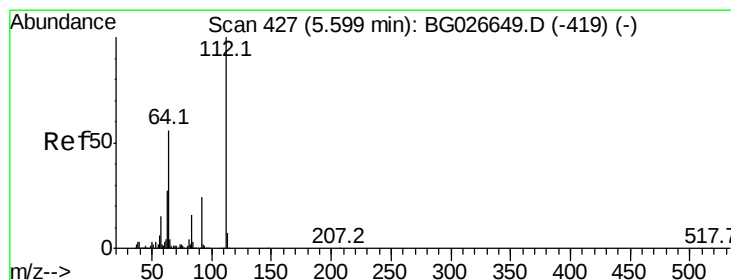
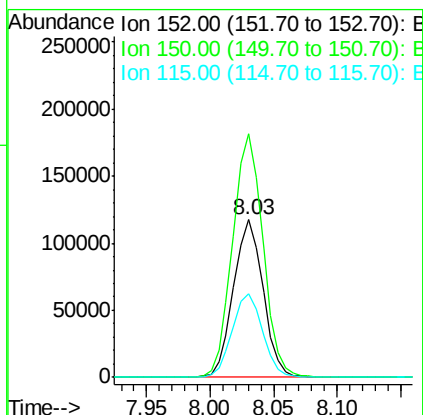
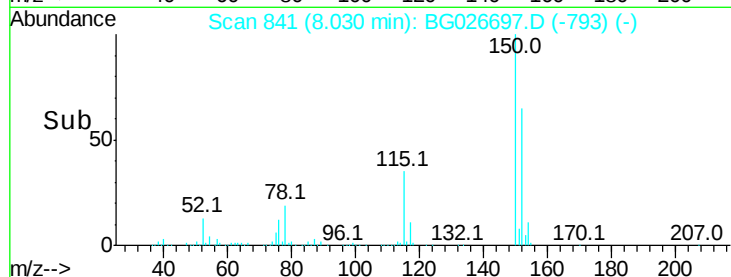
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.03 min Scan# 841
Delta R.T. -0.02 min
Lab File: BG026697.D
Acq: 21 Apr 2017 22:10

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 191165
Ion Ratio Lower Upper
152 100
150 154.5 114.0 171.0
115 53.4 48.1 72.1



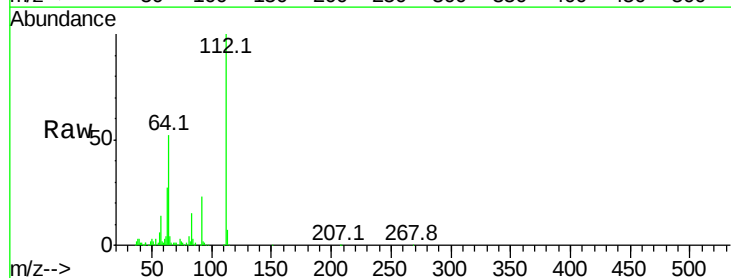
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



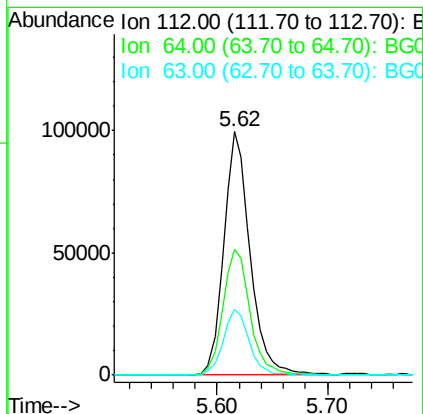
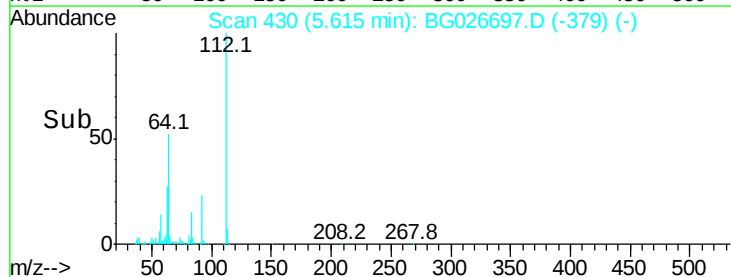
#5

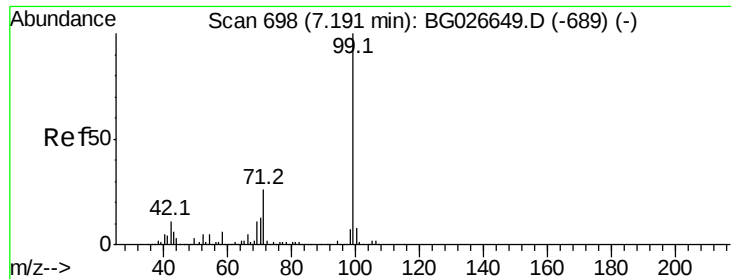
2-Fluorophenol
Concen: 15.77 ng
RT: 5.62 min Scan# 430
Delta R.T. 0.00 min
Lab File: BG026697.D
Acq: 21 Apr 2017 22:10

Tgt Ion:112 Resp: 165827
Ion Ratio Lower Upper
112 100
64 51.8 61.8 92.6#
63 27.1 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: 10.52 ng

RT: 7.22 min Scan# 703

Delta R.T. 0.01 min

Lab File: BG026697.D

Acq: 21 Apr 2017 22:10

Instrument :

BNA_G

ClientSampleId :

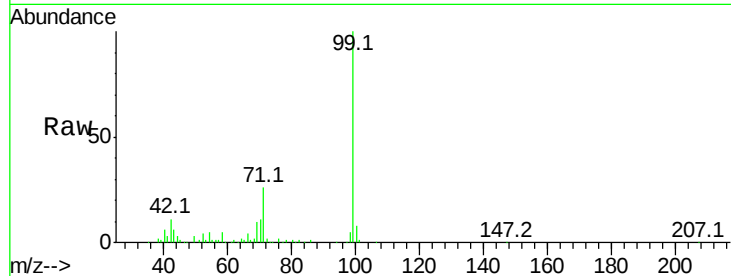
Tot Ion: 99 Resp: 144967

Ion Ratio Lower Upper

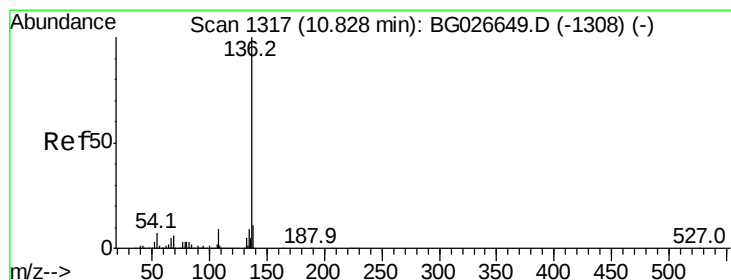
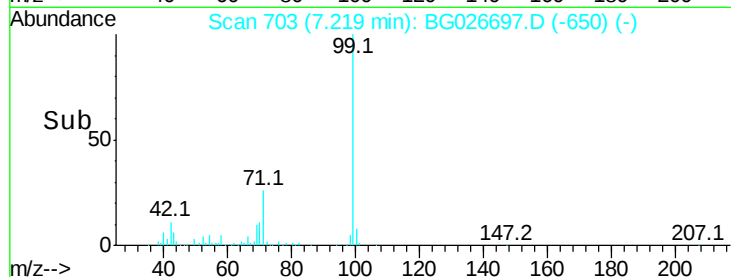
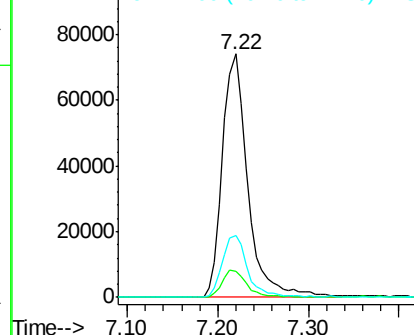
99 100

42 10.6 20.5 30.7#

71 25.6 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: 10.83 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BG026697.D

Acq: 21 Apr 2017 22:10

Tgt Ion:136 Resp: 828517

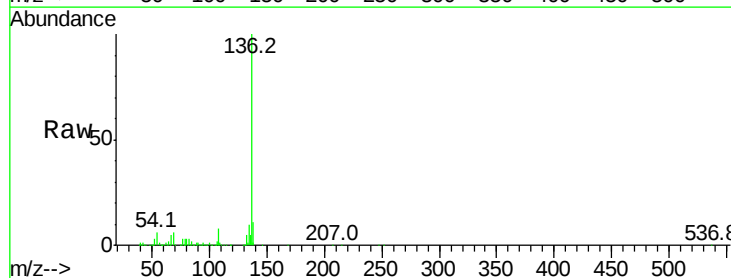
Ion Ratio Lower Upper

136 100

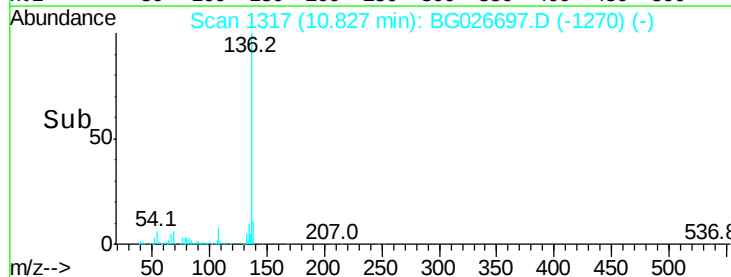
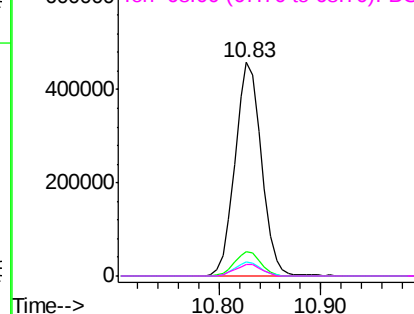
137 11.2 8.9 13.3

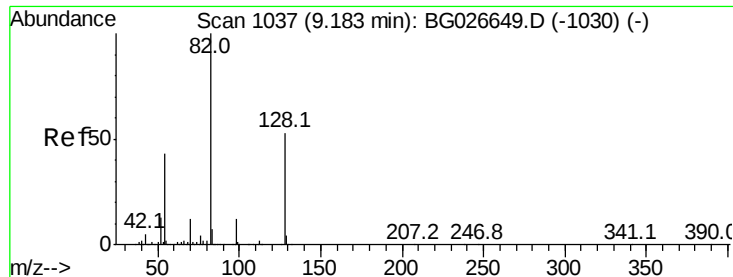
54 6.4 9.3 13.9#

68 5.7 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

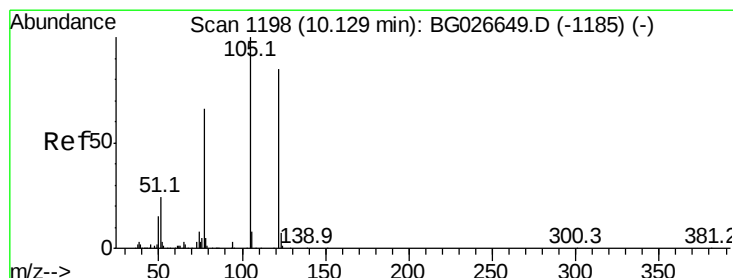
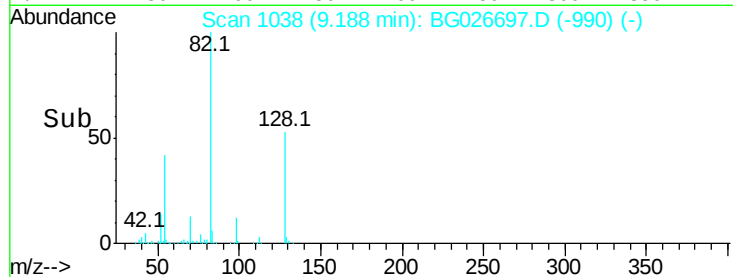
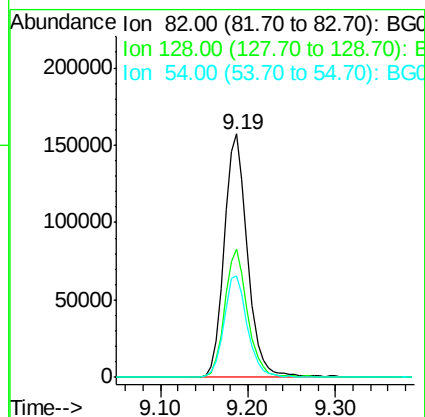
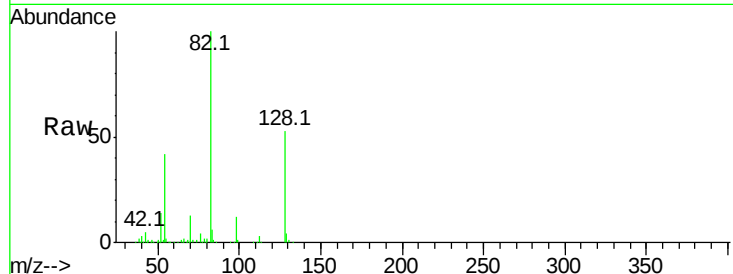




#23
 Nitrobenzene-d5
 Concen: 24.30 ng
 RT: 9.19 min Scan# 1038
 Delta R.T. -0.02 min
 Lab File: BG026697.D
 Acq: 21 Apr 2017 22:10

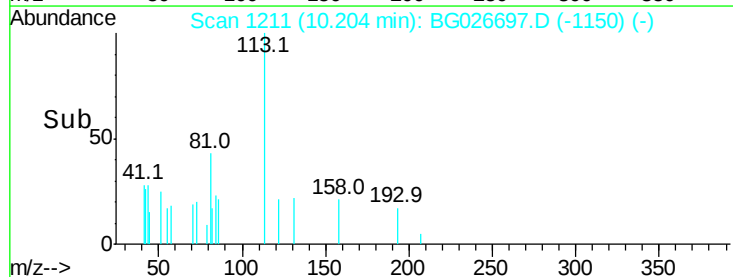
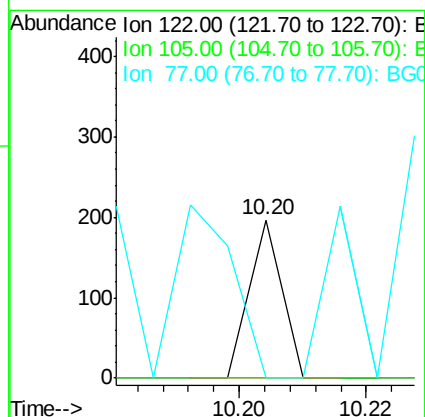
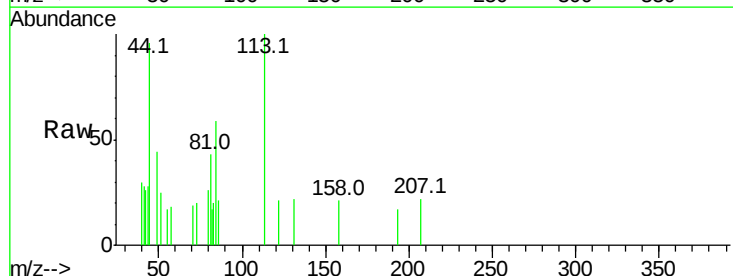
Instrument :
 BNA_G
 ClientSampleId :

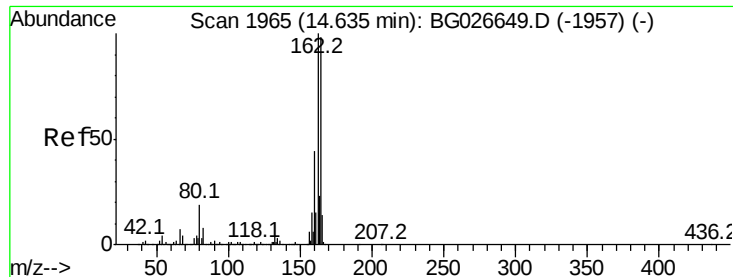
Tot Ion	82	Resp	288507
Ion	Ratio	Lower	Upper
82	100		
128	52.8	26.4	39.6#
54	41.6	49.4	74.2#



#32
 Benzoic acid
 Concen: 9.02 ng
 RT: 10.20 min Scan# 1211
 Delta R.T. 0.06 min
 Lab File: BG026697.D
 Acq: 21 Apr 2017 22:10

Tgt Ion	122	Resp	69
Ion	Ratio	Lower	Upper
122	100		
105	0.0	120.1	160.1#
77	0.0	104.6	144.6#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.64 min Scan# 1966

Delta R.T. -0.02 min

Lab File: BG026697.D

Acq: 21 Apr 2017 22:10

Instrument :

BNA_G

ClientSampleId :

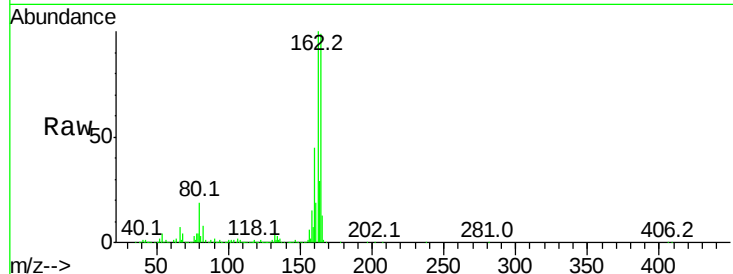
Tot Ion:164 Resp: 503162

Ion Ratio Lower Upper

164 100

162 101.0 85.1 127.7

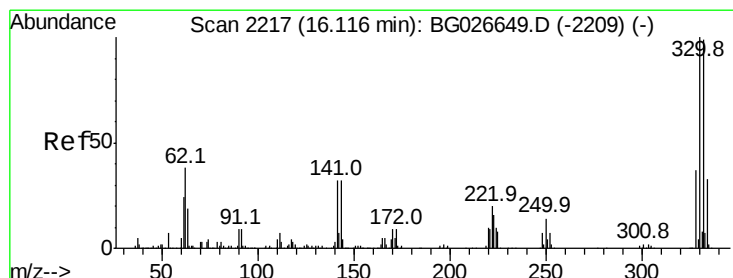
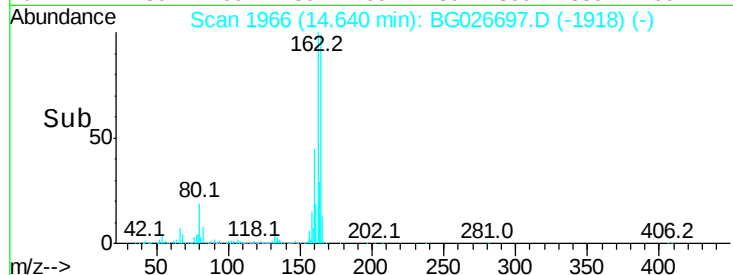
160 45.1 34.7 52.1



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

14.64

Time-->



#41

2,4,6-Tribromophenol

Concen: 37.24 ng

RT: 16.12 min Scan# 2218

Delta R.T. -0.02 min

Lab File: BG026697.D

Acq: 21 Apr 2017 22:10

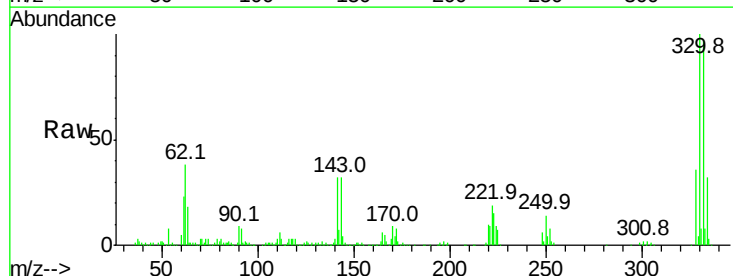
Tgt Ion:330 Resp: 261115

Ion Ratio Lower Upper

330 100

332 97.8 77.3 115.9

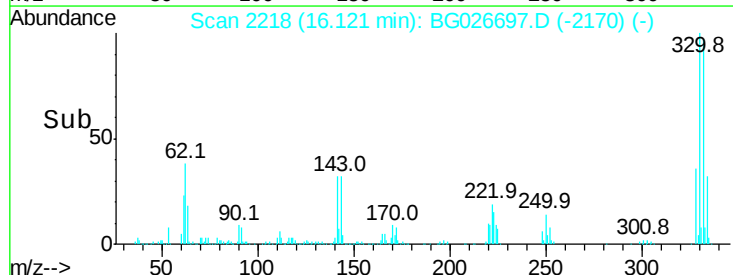
141 31.2 32.1 48.1#

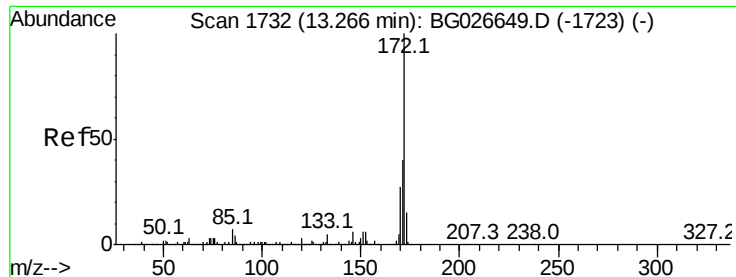


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

16.12

Time-->

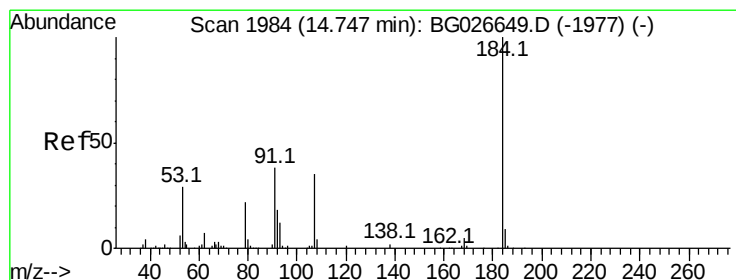
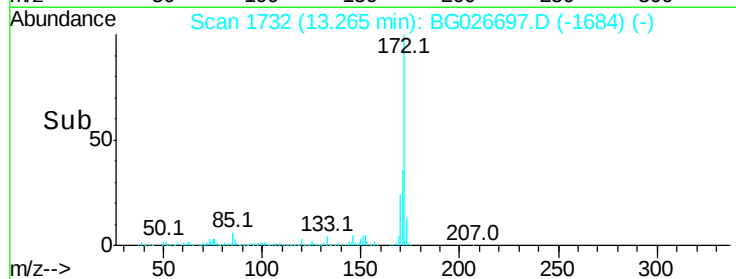
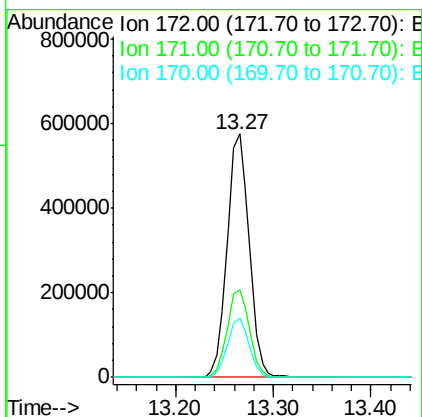
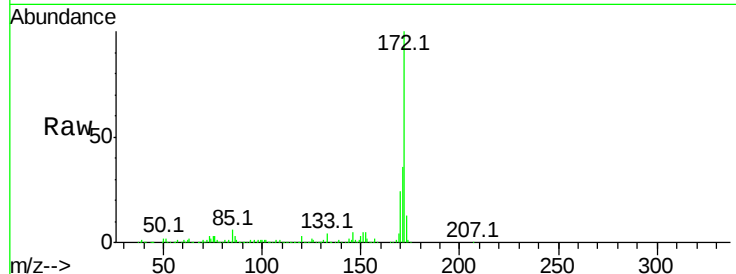




#44
2-Fluorobiphenyl
Concen: 26.70 ng
RT: 13.27 min Scan# 1732
Delta R.T. -0.02 min
Lab File: BG026697.D
Acq: 21 Apr 2017 22:10

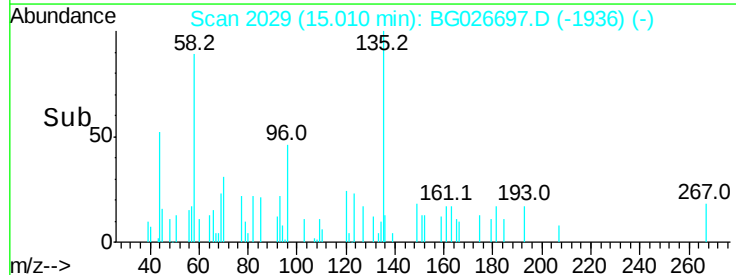
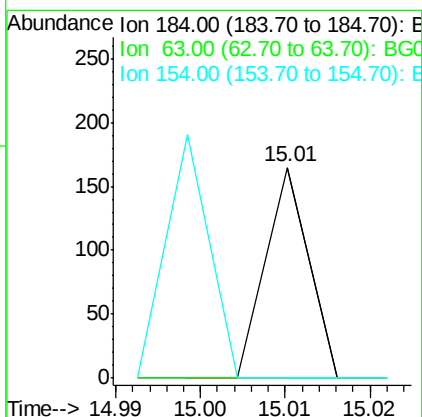
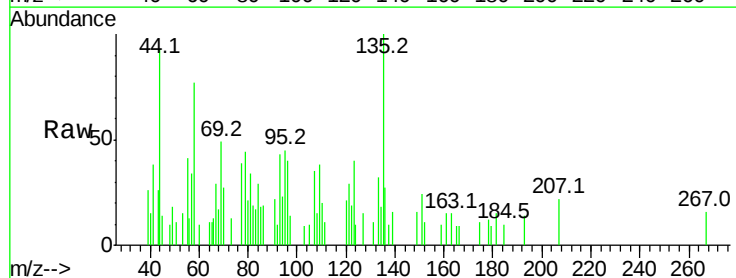
Instrument :
BNA_G
ClientSampleId :

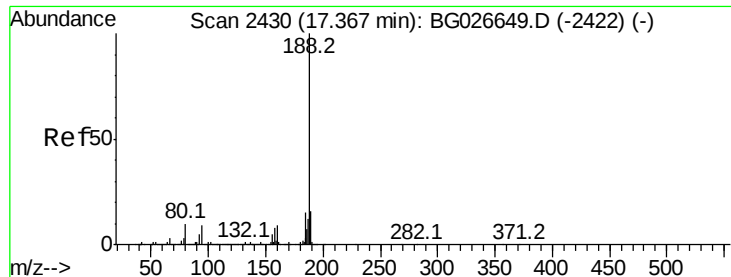
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	32.2	48.2
170	24.4	21.8	32.6



#53
2,4-Dinitrophenol
Concen: 8.76 ng
RT: 15.01 min Scan# 2029
Delta R.T. 0.25 min
Lab File: BG026697.D
Acq: 21 Apr 2017 22:10

Tgt Ion	Ratio	Lower	Upper
184	100		
63	0.0	52.7	79.1#
154	0.0	57.3	85.9#

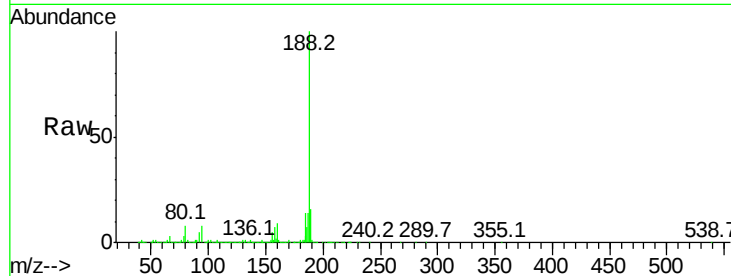




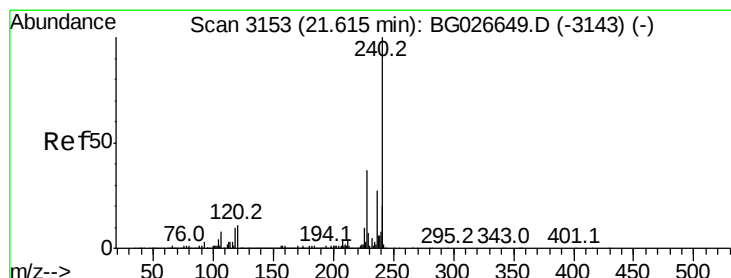
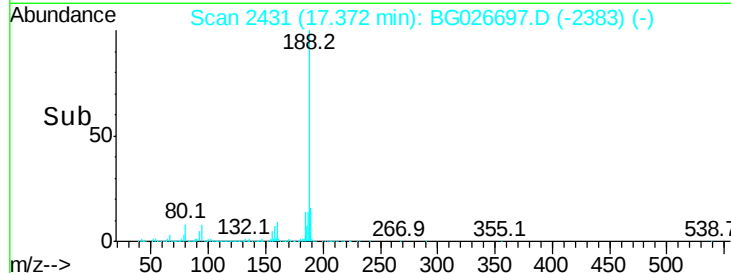
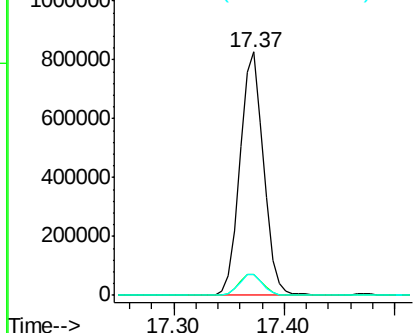
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.37 min Scan# 2431
Delta R.T. -0.02 min
Lab File: BG026697.D
Acq: 21 Apr 2017 22:10

Instrument :
BNA_G
ClientSampled :

Tot Ion:188 Resp: 1237082
Ion Ratio Lower Upper
188 100
94 8.5 5.8 8.8
80 8.4 7.5 11.3

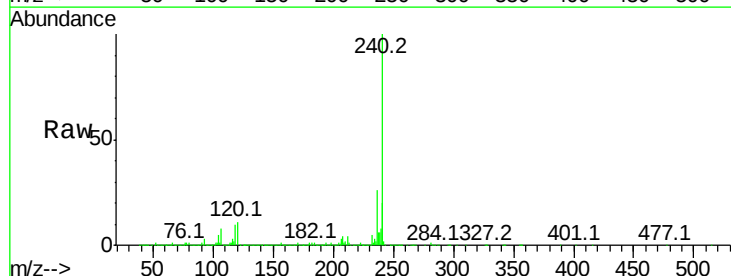


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG

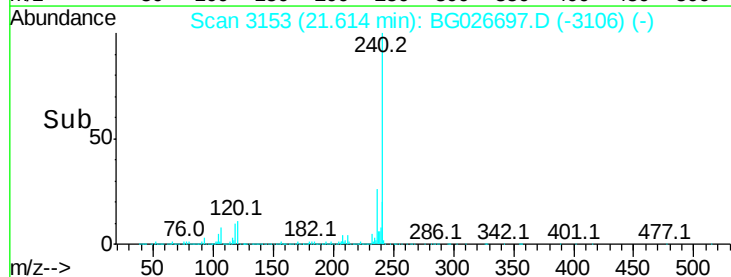
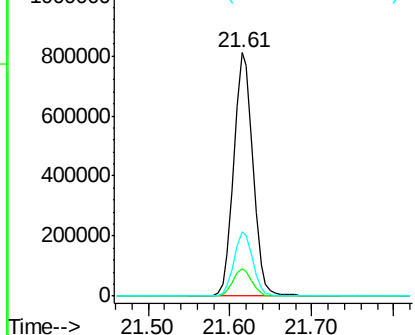


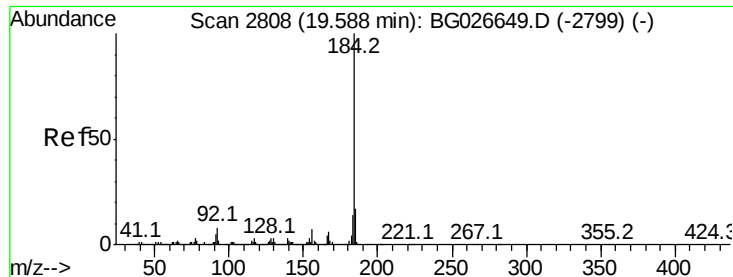
#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.61 min Scan# 3153
Delta R.T. -0.02 min
Lab File: BG026697.D
Acq: 21 Apr 2017 22:10

Tgt Ion:240 Resp: 1327785
Ion Ratio Lower Upper
240 100
120 11.5 5.7 8.5#
236 26.5 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: 3.73 ng

RT: 19.56 min Scan# 2804

Delta R.T. -0.04 min

Lab File: BG026697.D

Acq: 21 Apr 2017 22:10

Instrument :

BNA_G

ClientSampled :

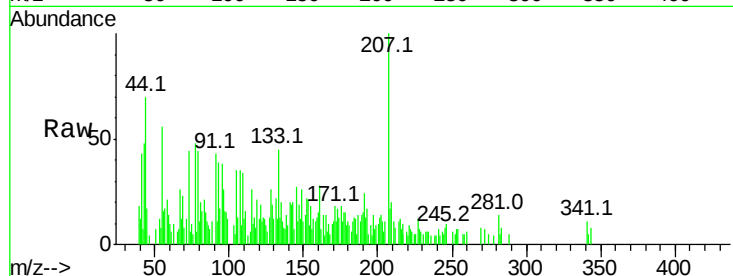
Tot Ion:184 Resp: 510

Ion Ratio Lower Upper

184 100

185 94.0 13.0 19.6#

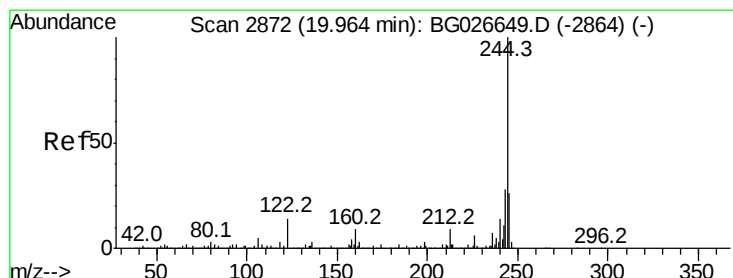
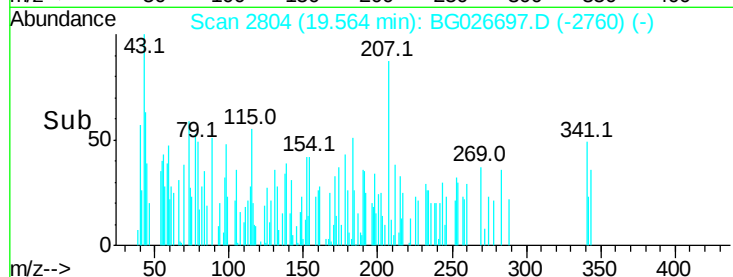
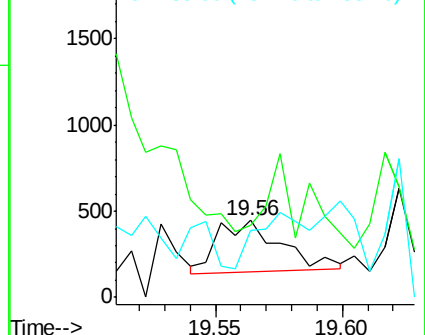
183 86.8 11.0 16.6#



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: 27.75 ng

RT: 19.97 min Scan# 2873

Delta R.T. -0.02 min

Lab File: BG026697.D

Acq: 21 Apr 2017 22:10

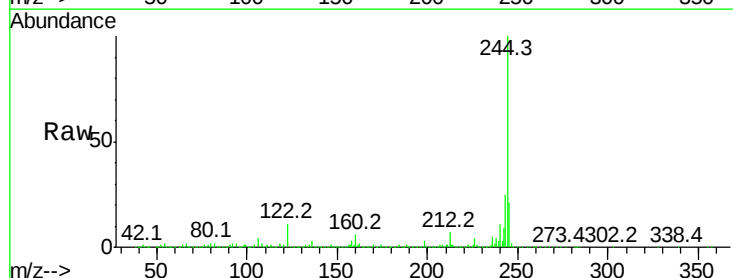
Tgt Ion:244 Resp: 1247943

Ion Ratio Lower Upper

244 100

212 7.4 10.0 15.0#

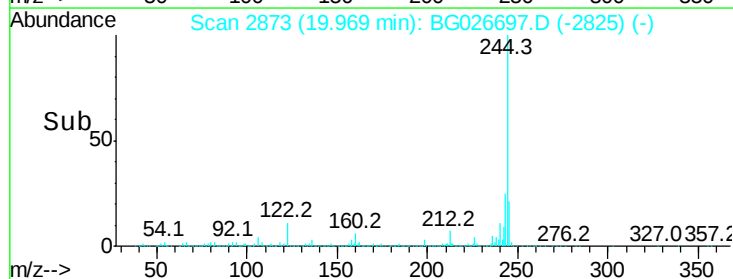
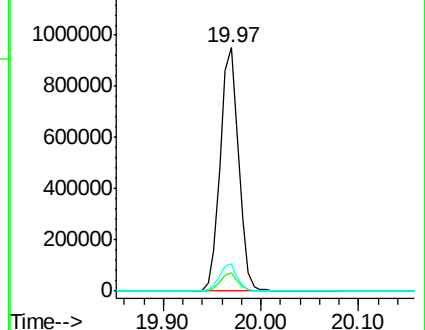
122 11.0 8.6 12.8

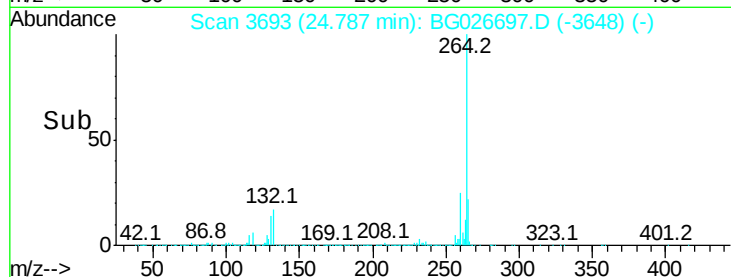
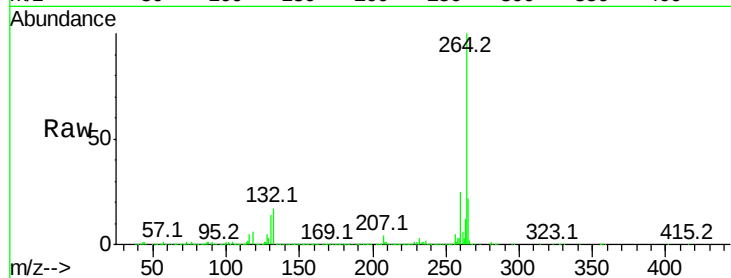
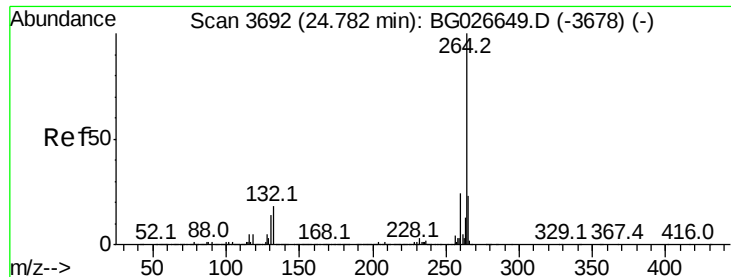


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.79 min Scan# 3693
Delta R.T. -0.03 min
Lab File: BG026697.D
Acq: 21 Apr 2017 22:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion:264 Resp: 1304953

Ion	Ratio	Lower	Upper
264	100		
260	24.9	21.8	32.8
265	22.1	18.2	27.4

