

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG091117\
 Data File : BG028649.D
 Acq On : 11 Sep 2017 19:50
 Operator : SJ/JU
 Sample : I5167-10
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 12 04:42:06 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG090717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 07 18:39:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.34	152	35773	20.00	ng	0.00
21) Naphthalene-d8	11.16	136	142319	20.00	ng	0.00
38) Acenaphthene-d10	14.94	164	104996	20.00	ng	0.00
63) Phenanthrene-d10	17.69	188	275191	20.00	ng	0.00
75) Chrysene-d12	22.02	240	318334	20.00	ng	-0.01
86) Perylene-d12	25.53	264	305902	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.91	112	136576	64.28	ng	0.00
7) Phenol-d6	7.49	99	110042	35.71	ng	0.00
23) Nitrobenzene-d5	9.50	82	294523	95.02	ng	0.00
41) 2,4,6-Tribromophenol	16.44	330	258236	161.82	ng	0.00
44) 2-Fluorobiphenyl	13.56	172	748305	93.24	ng	0.00
78) Terphenyl-d14	20.28	244	1305890	88.38	ng	0.00

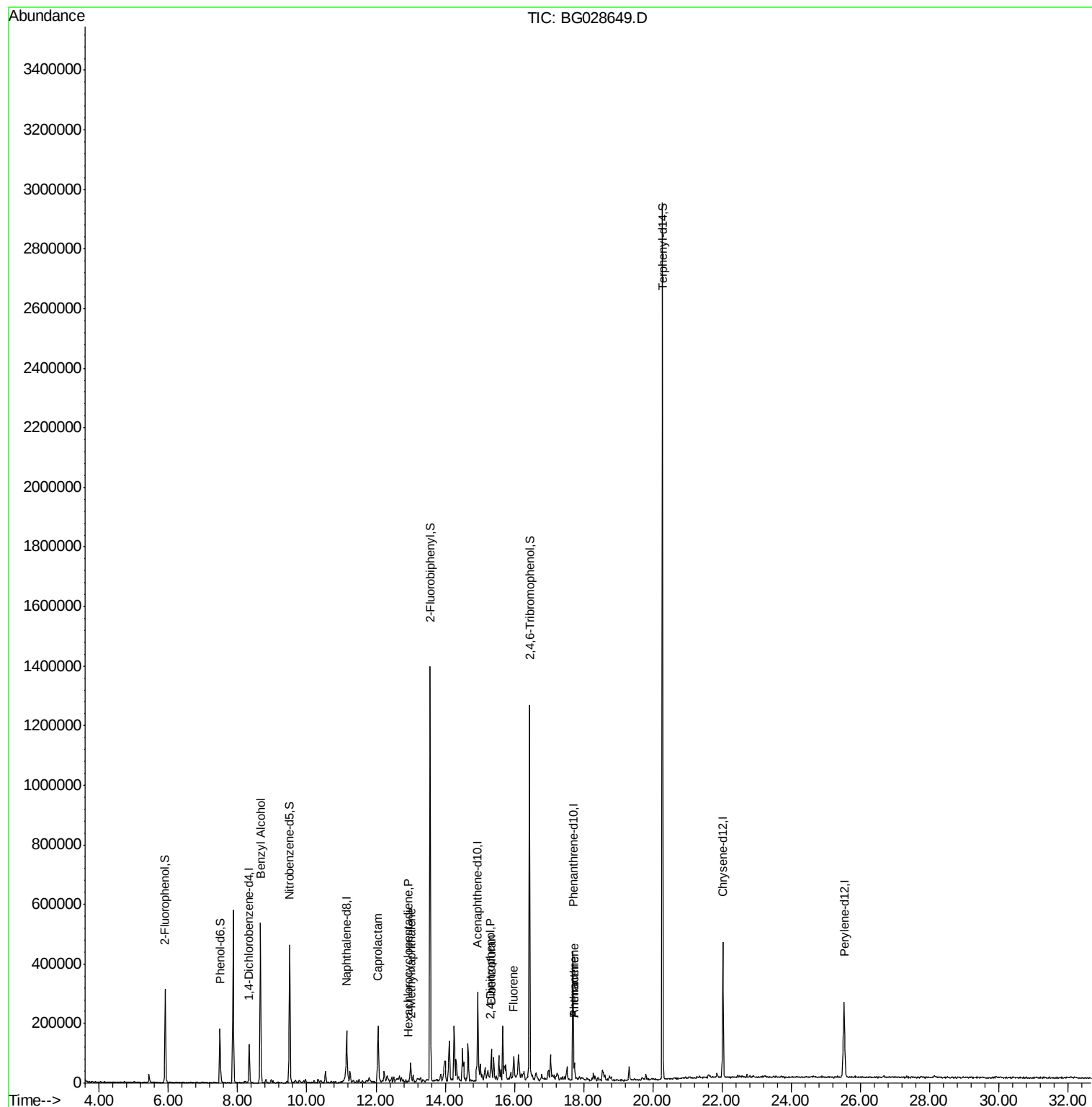
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	8.66	79	5297	2.168	ng	# 71
35) Caprolactam	12.07	113	36255	39.780	ng	98
37) 2-Methylnaphthalene	13.01	142	29038	5.098	ng	94
40) Hexachlorocyclopentadiene	12.92	237	55	9.109	ng	# 29
53) 2,4-Dinitrophenol	15.31	184	53	5.914	ng	# 1
54) Dibenzofuran	15.34	168	22010	2.264	ng	# 90
57) Fluorene	15.99	166	30912	3.479	ng	96
70) Phenanthrene	17.74	178	35589	2.432	ng	93
71) Anthracene	17.74	178	35589	2.391	ng	96

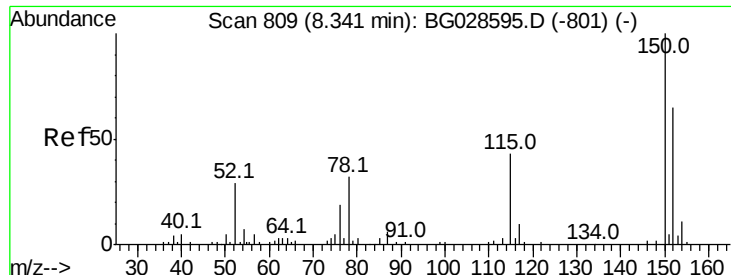
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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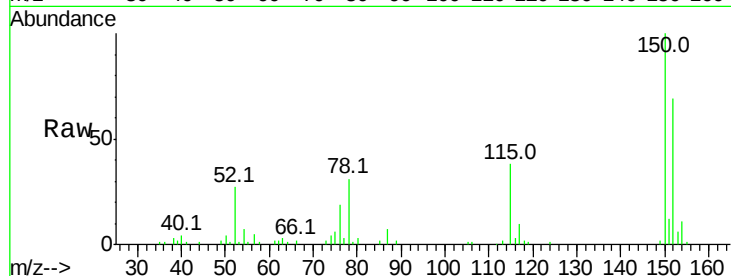


#1

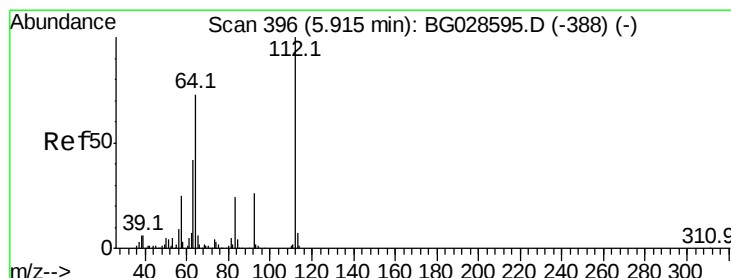
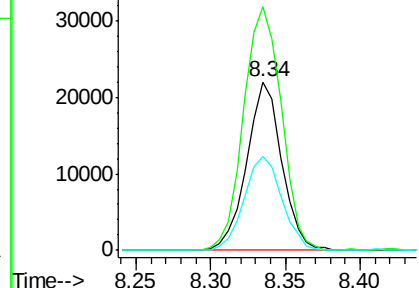
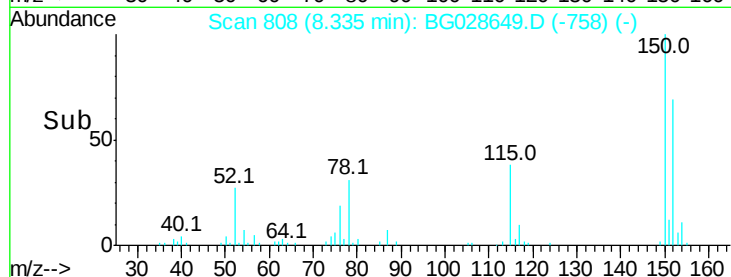
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.34 min Scan# 808
Delta R.T. -0.01 min
Lab File: BG028649.D
Acq: 11 Sep 2017 19:50

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 35773
Ion Ratio Lower Upper
152 100
150 144.6 114.0 171.0
115 55.4 48.1 72.1



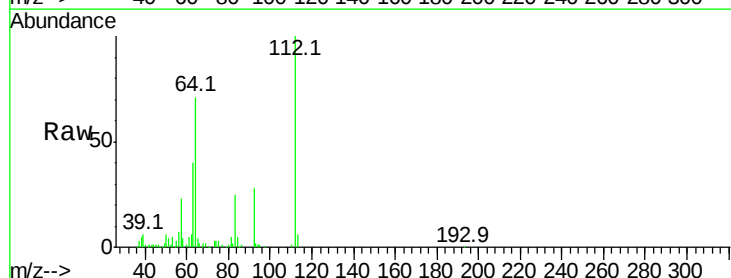
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



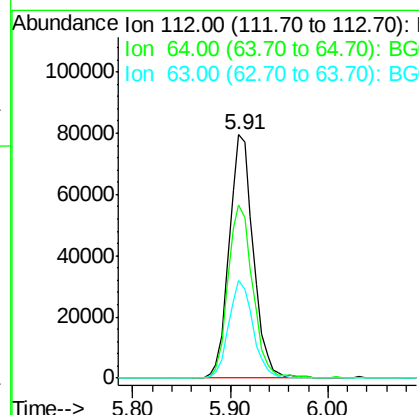
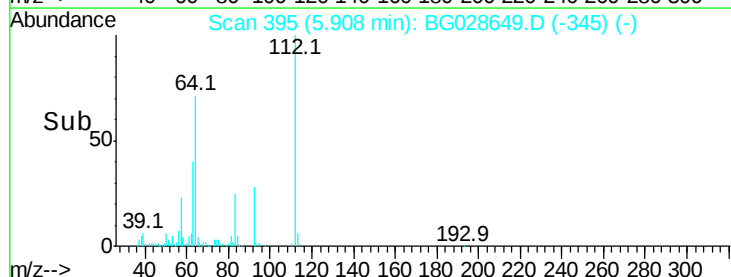
#5

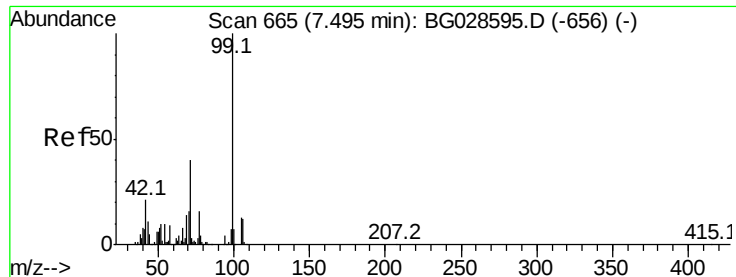
2-Fluorophenol
Concen: 64.282 ng
RT: 5.91 min Scan# 395
Delta R.T. -0.01 min
Lab File: BG028649.D
Acq: 11 Sep 2017 19:50

Tgt Ion:112 Resp: 136576
Ion Ratio Lower Upper
112 100
64 71.1 61.8 92.6
63 40.1 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: 35.708 ng

RT: 7.49 min Scan# 664

Delta R.T. -0.01 min

Lab File: BG028649.D

Acq: 11 Sep 2017 19:50

Instrument :

BNA_G

ClientSampleId :

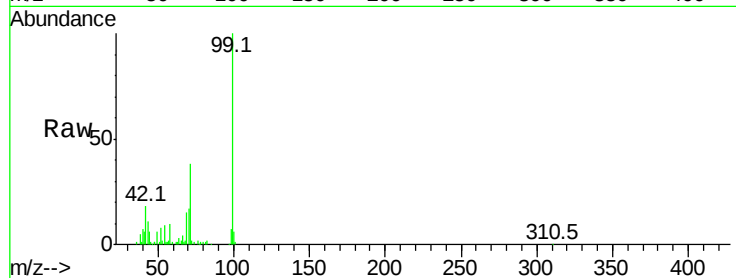
Tot Ion: 99 Resp: 110042

Ion Ratio Lower Upper

99 100

42 18.1 20.5 30.7#

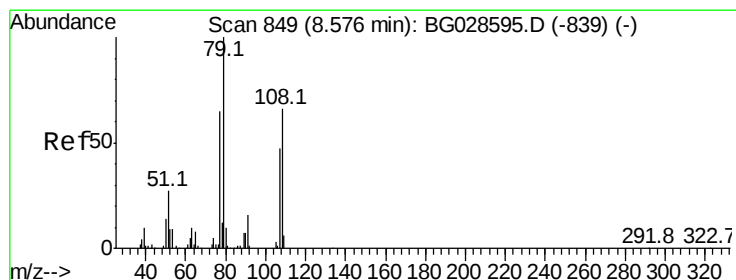
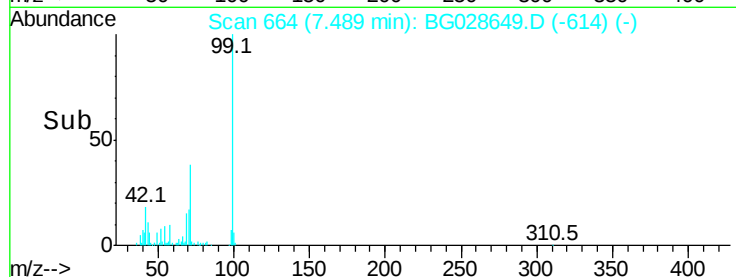
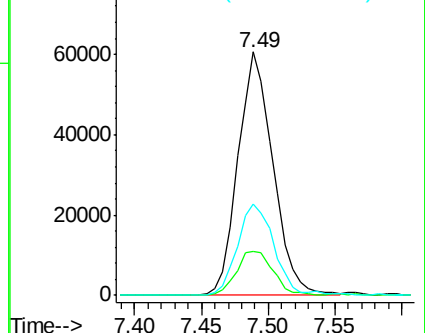
71 37.5 37.6 56.4#



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



#15

Benzyl Alcohol

Concen: 2.168 ng

RT: 8.66 min Scan# 863

Delta R.T. 0.08 min

Lab File: BG028649.D

Acq: 11 Sep 2017 19:50

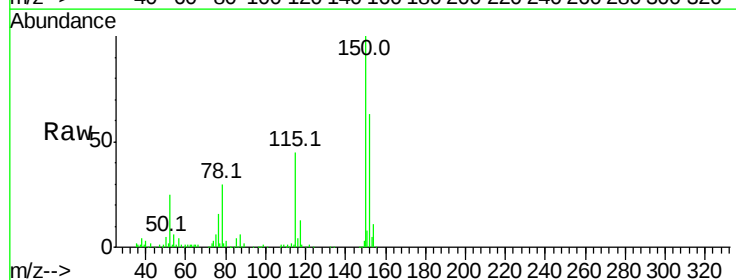
Tgt Ion: 79 Resp: 5297

Ion Ratio Lower Upper

79 100

108 39.3 45.5 68.3#

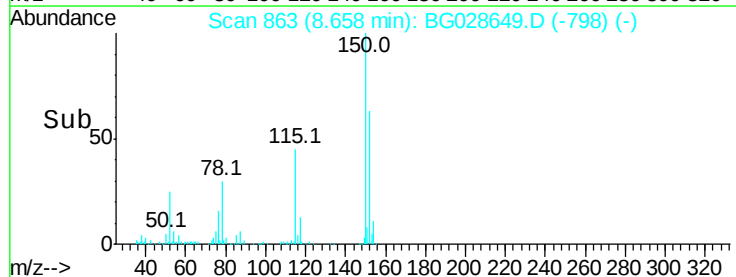
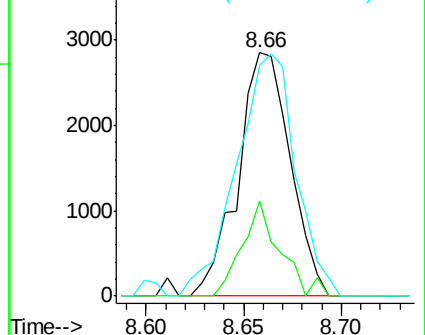
77 94.6 54.3 81.5#

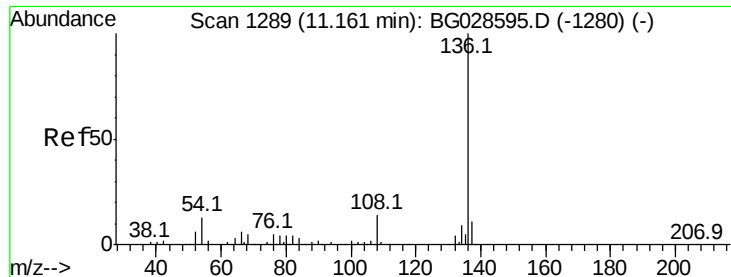


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

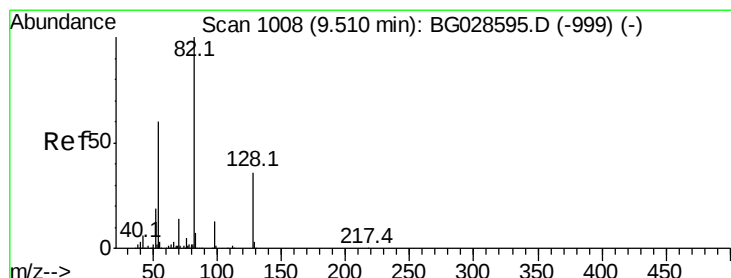
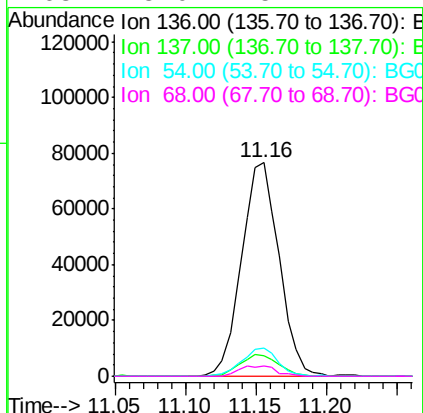
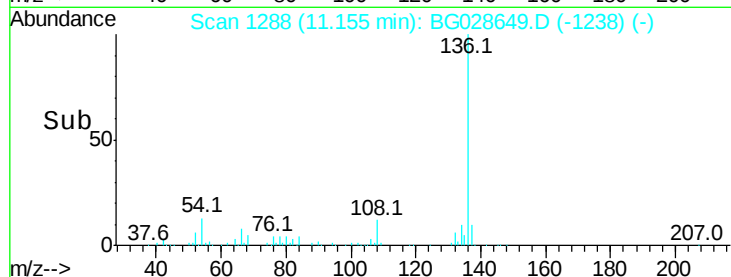
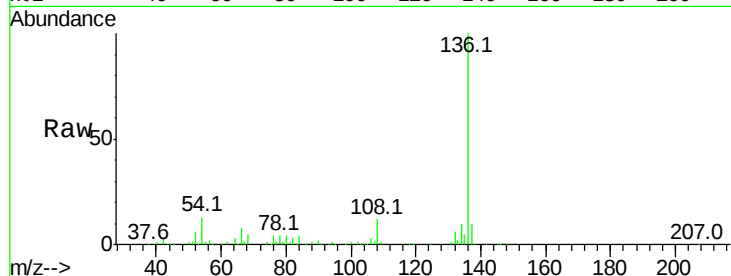




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.16 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BG028649.D
Acq: 11 Sep 2017 19:50

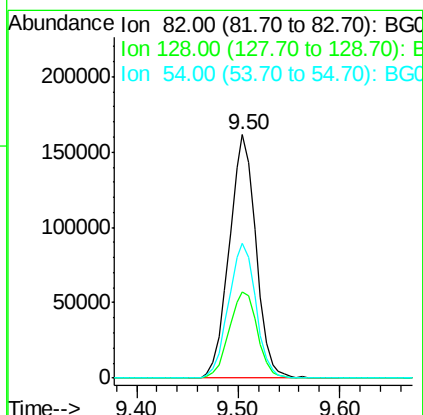
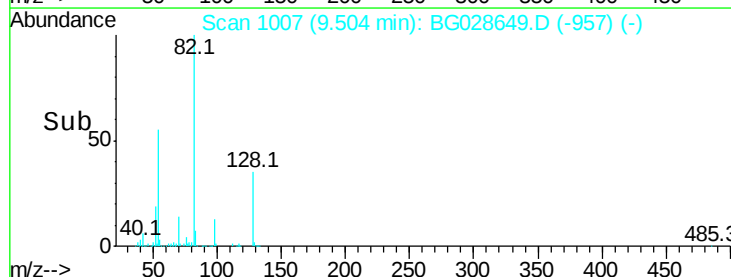
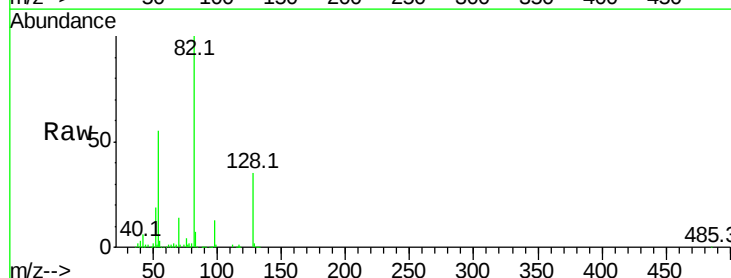
Instrument :
BNA_G
ClientSampleId :

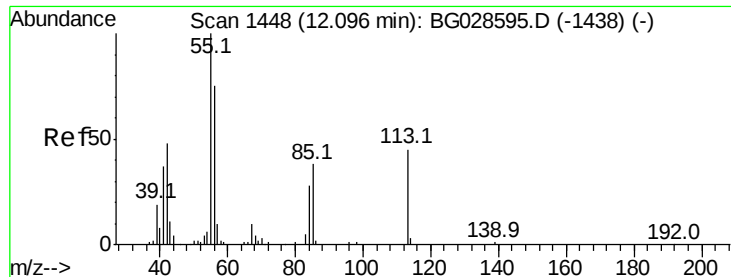
Tot Ion:	136	Resp:	142319
Ion	Ratio	Lower	Upper
136	100		
137	9.6	8.9	13.3
54	13.1	9.3	13.9
68	5.0	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 95.025 ng
RT: 9.50 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BG028649.D
Acq: 11 Sep 2017 19:50

Tgt Ion:	82	Resp:	294523
Ion	Ratio	Lower	Upper
82	100		
128	35.3	26.4	39.6
54	55.4	49.4	74.2

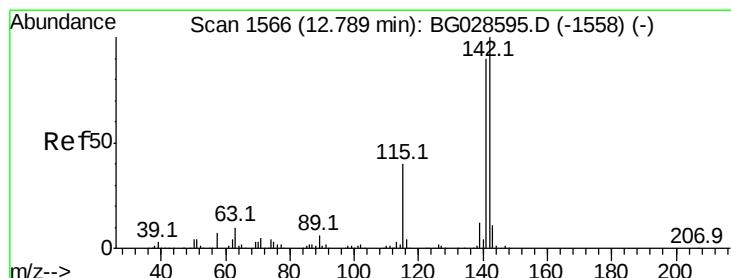
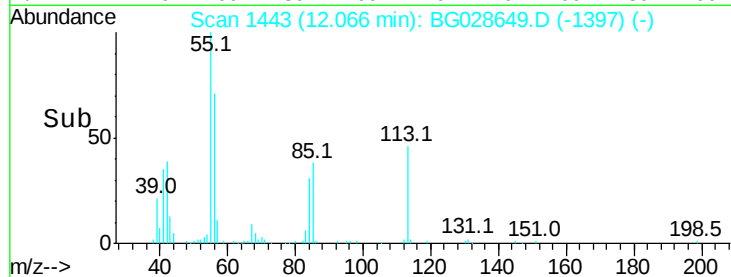
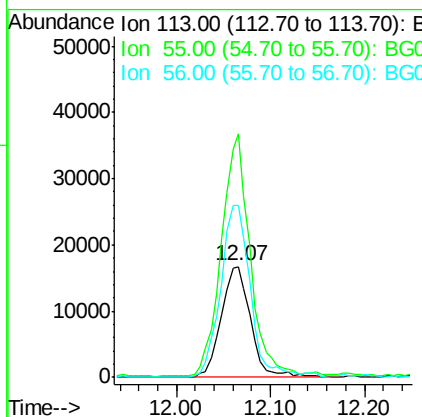
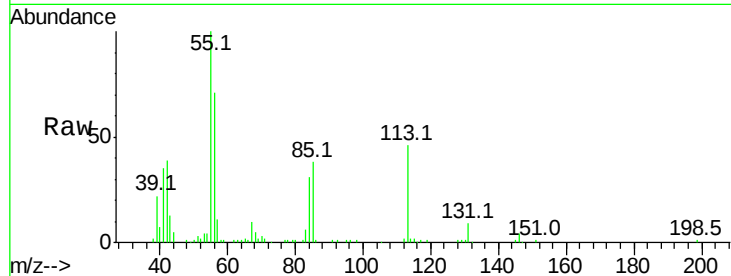




#35
 Caprolactam
 Concen: 39.780 ng
 RT: 12.07 min Scan# 1443
 Delta R.T. -0.03 min
 Lab File: BG028649.D
 Acq: 11 Sep 2017 19:50

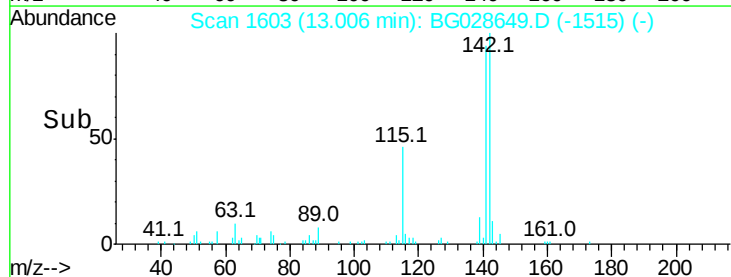
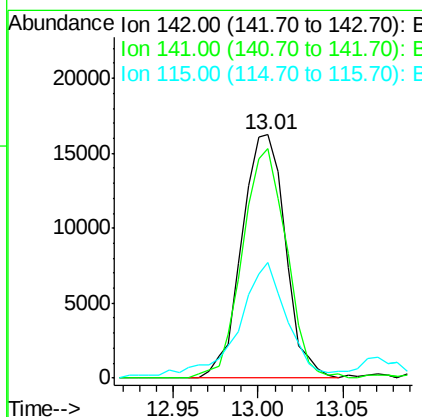
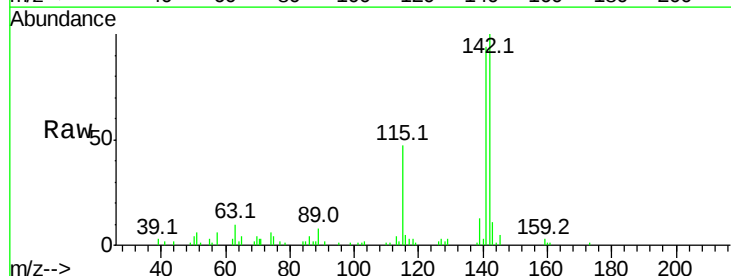
Instrument :
 BNA_G
 ClientSampled :

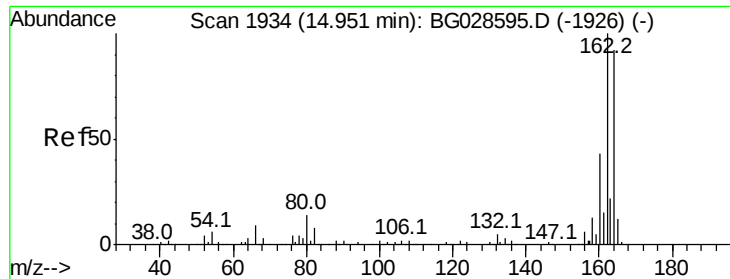
Tot Ion:113 Resp: 36255
 Ion Ratio Lower Upper
 113 100
 55 219.6 198.6 238.6
 56 155.3 140.4 180.4



#37
 2-Methylnaphthalene
 Concen: 5.098 ng
 RT: 13.01 min Scan# 1603
 Delta R.T. 0.22 min
 Lab File: BG028649.D
 Acq: 11 Sep 2017 19:50

Tgt Ion:142 Resp: 29038
 Ion Ratio Lower Upper
 142 100
 141 94.3 70.4 105.6
 115 47.2 35.5 53.3





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.94 min Scan# 1933

Delta R.T. -0.01 min

Lab File: BG028649.D

Acq: 11 Sep 2017 19:50

Instrument :

BNA_G

ClientSampleId :

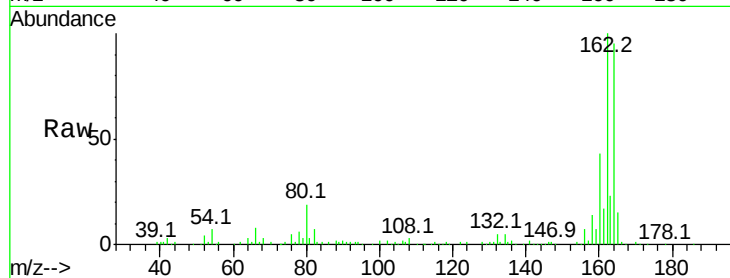
Tot Ion:164 Resp: 104996

Ion Ratio Lower Upper

164 100

162 105.2 85.1 127.7

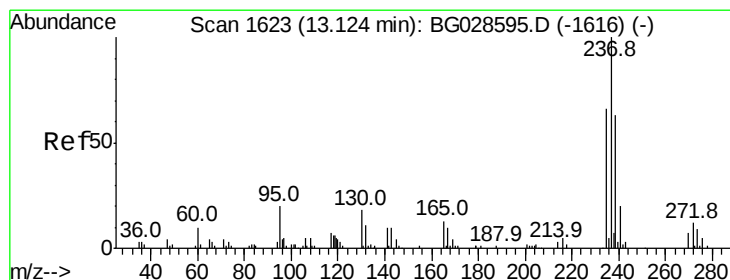
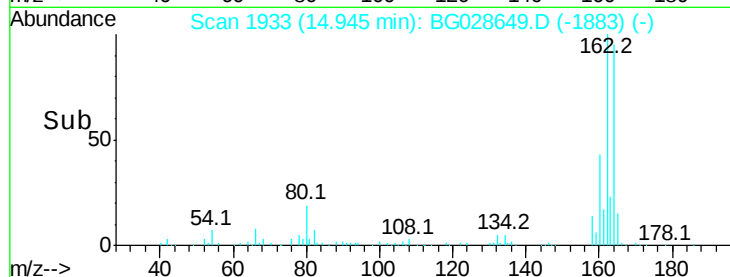
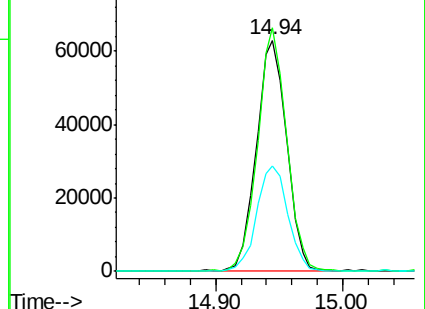
160 45.6 34.7 52.1



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



#40

Hexachlorocyclopentadiene

Concen: 9.109 ng

RT: 12.92 min Scan# 1588

Delta R.T. -0.21 min

Lab File: BG028649.D

Acq: 11 Sep 2017 19:50

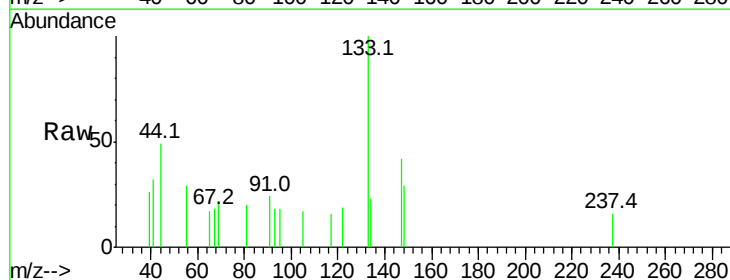
Tgt Ion:237 Resp: 55

Ion Ratio Lower Upper

237 100

235 0.0 39.4 79.4#

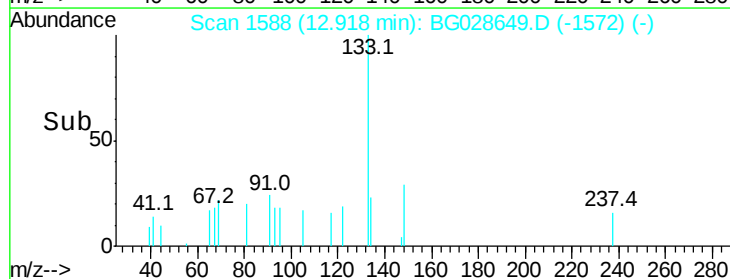
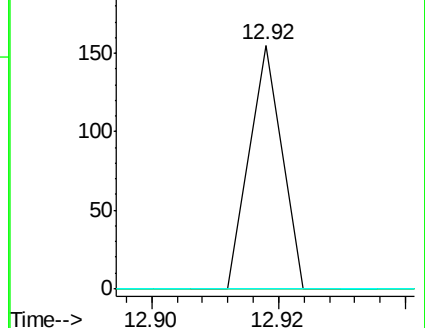
272 0.0 0.0 32.0

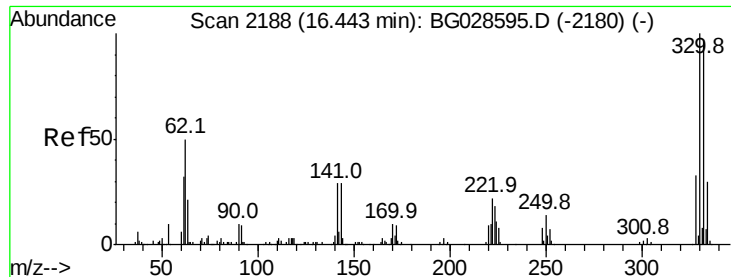


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

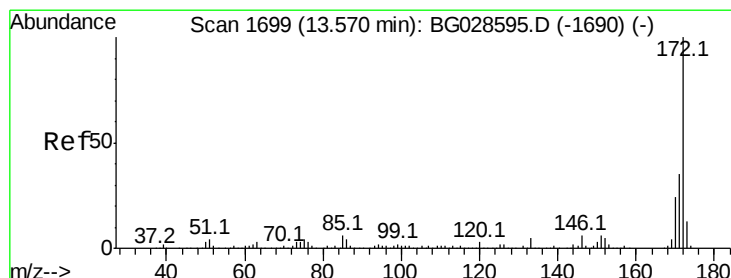
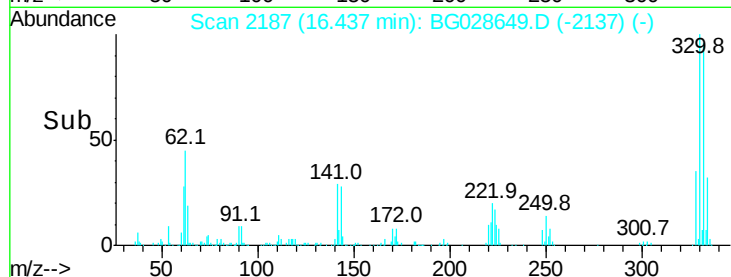
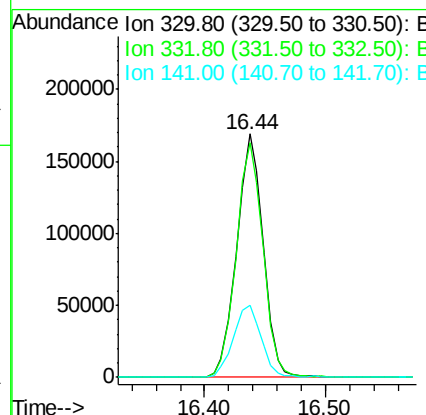
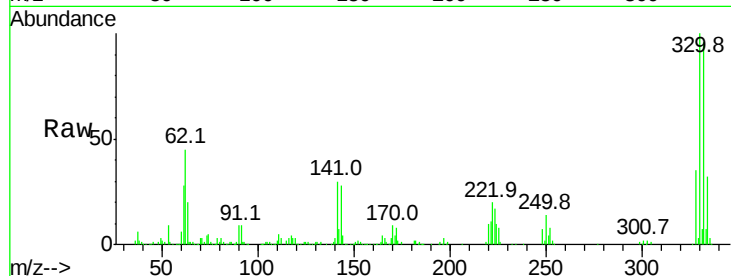




#41
 2,4,6-Tribromophenol
 Concen: 161.819 ng
 RT: 16.44 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: BG028649.D
 Acq: 11 Sep 2017 19:50

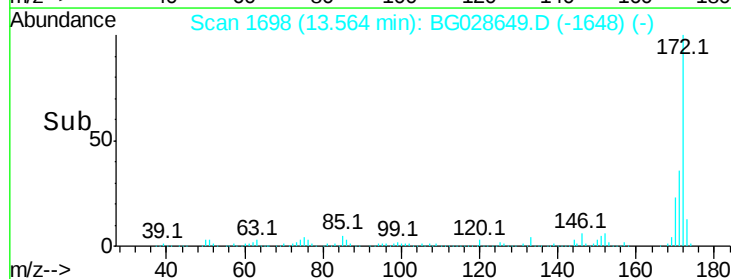
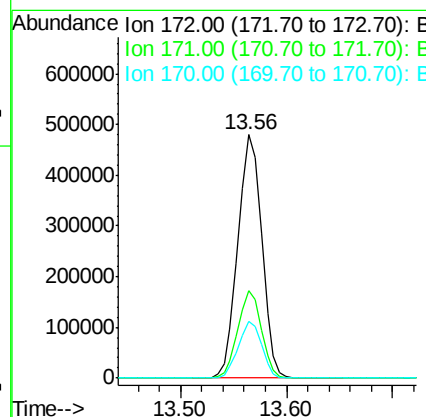
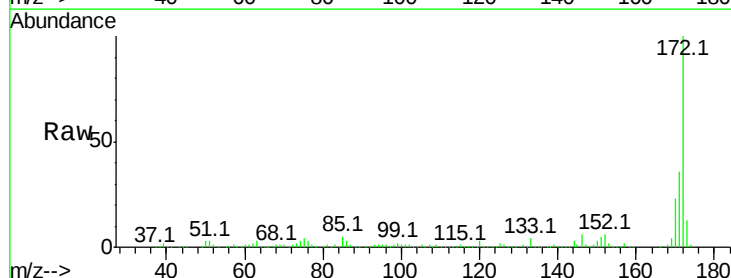
Instrument :
 BNA_G
 ClientSampled :

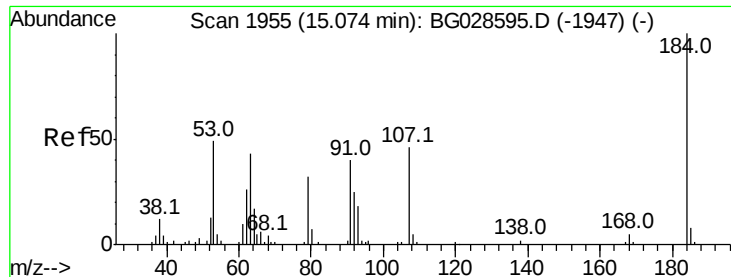
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.3	115.9
141	30.9	32.1	48.1#



#44
 2-Fluorobiphenyl
 Concen: 93.237 ng
 RT: 13.56 min Scan# 1698
 Delta R.T. -0.01 min
 Lab File: BG028649.D
 Acq: 11 Sep 2017 19:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	32.2	48.2
170	23.3	21.8	32.6

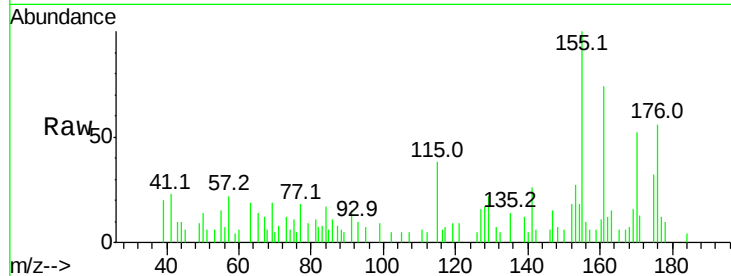




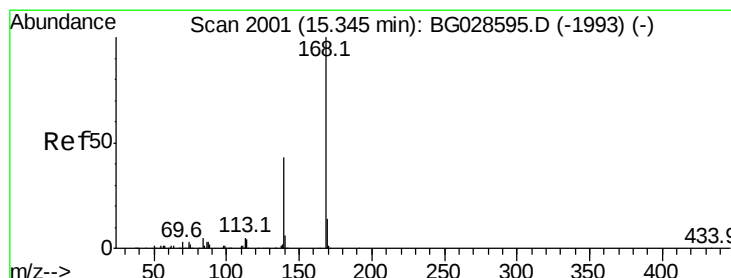
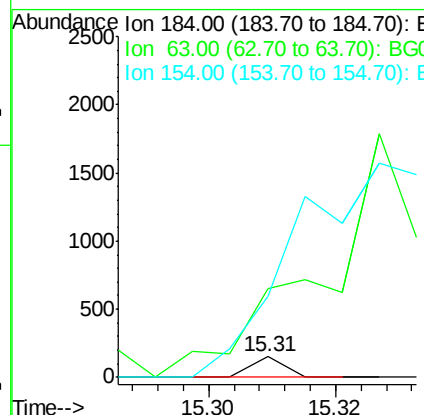
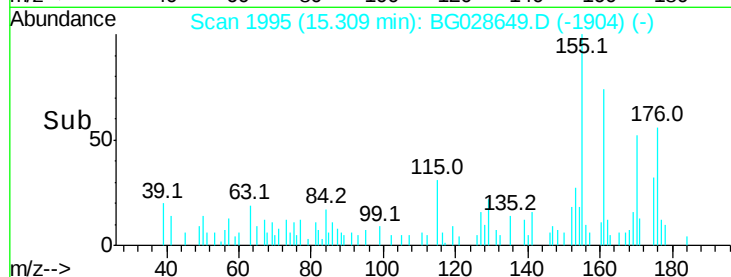
#53
 2,4-Dinitrophenol
 Concen: 5.914 ng
 RT: 15.31 min Scan# 1995
 Delta R.T. 0.24 min
 Lab File: BG028649.D
 Acq: 11 Sep 2017 19:50

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:184 Resp: 53
 Ion Ratio Lower Upper
 184 100
 63 433.3 52.7 79.1#
 154 396.7 57.3 85.9#

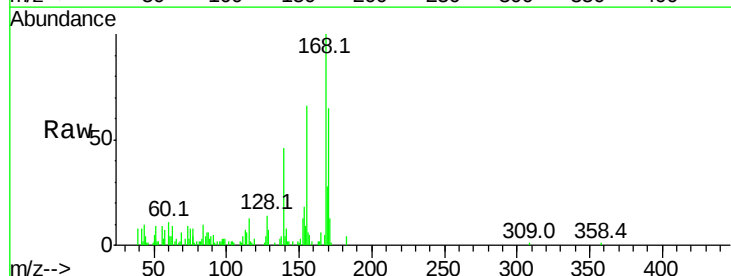


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 154.00 (153.70 to 154.70): E

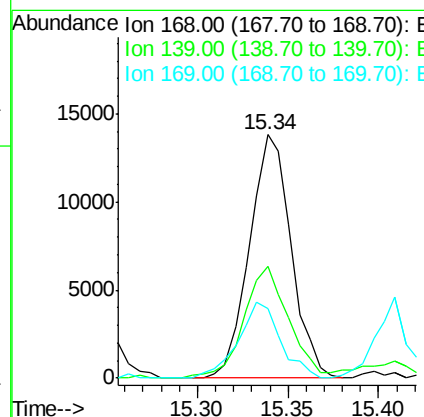
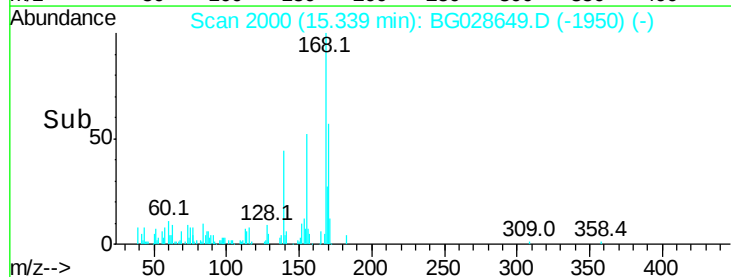


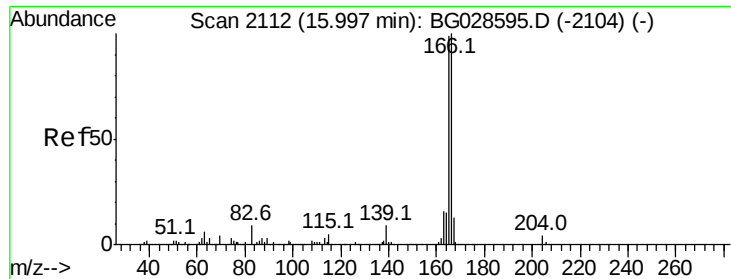
#54
 Dibenzofuran
 Concen: 2.264 ng
 RT: 15.34 min Scan# 2000
 Delta R.T. -0.01 min
 Lab File: BG028649.D
 Acq: 11 Sep 2017 19:50

Tgt Ion:168 Resp: 22010
 Ion Ratio Lower Upper
 168 100
 139 45.8 35.3 52.9
 169 28.4 11.5 17.3#



Abundance Ion 168.00 (167.70 to 168.70): E
 Ion 139.00 (138.70 to 139.70): E
 Ion 169.00 (168.70 to 169.70): E

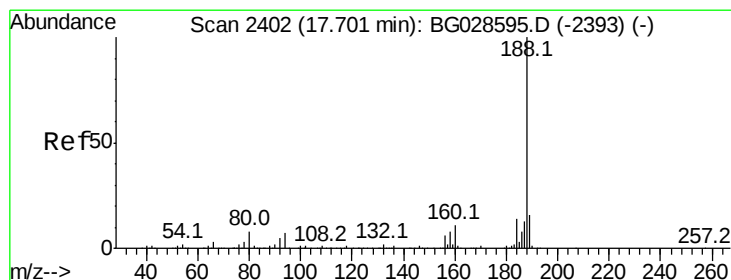
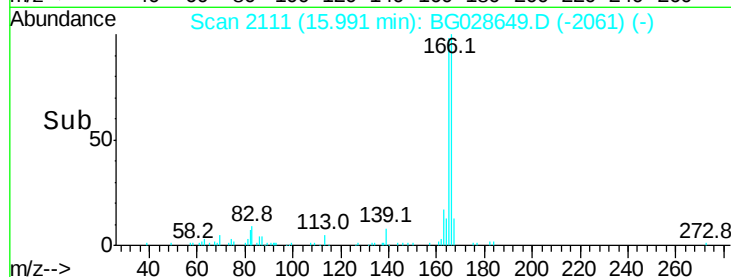
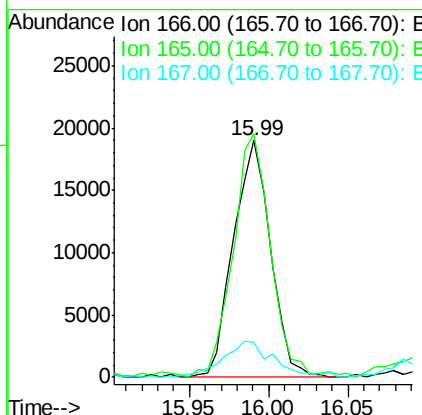
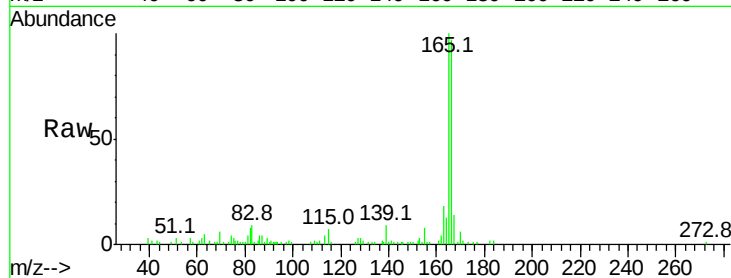




#57
Fluorene
 Concen: 3.479 ng
 RT: 15.99 min Scan# 2111
 Delta R.T. -0.01 min
 Lab File: BG028649.D
 Acq: 11 Sep 2017 19:50

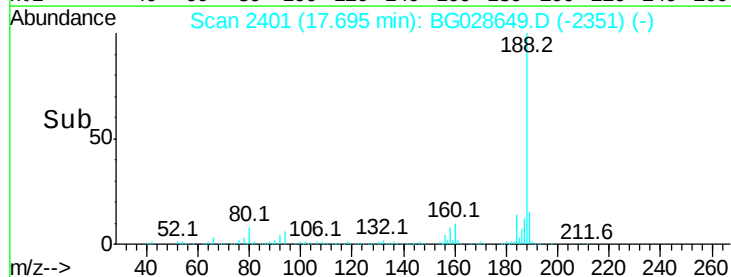
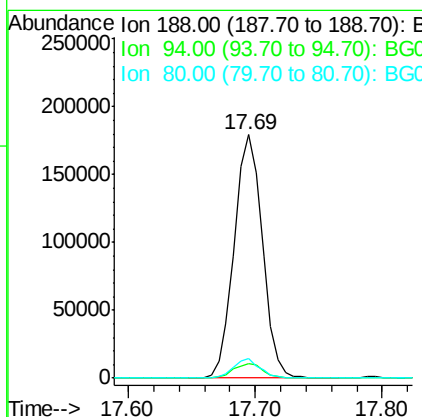
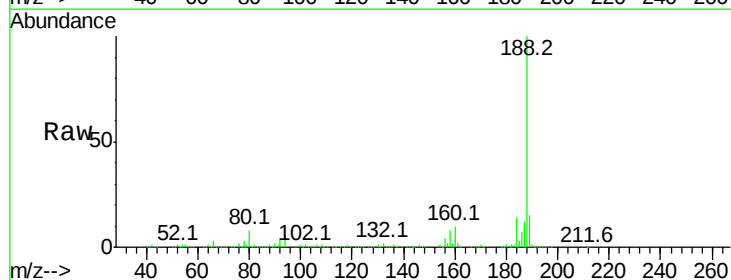
Instrument :
 BNA_G
 ClientSampled :

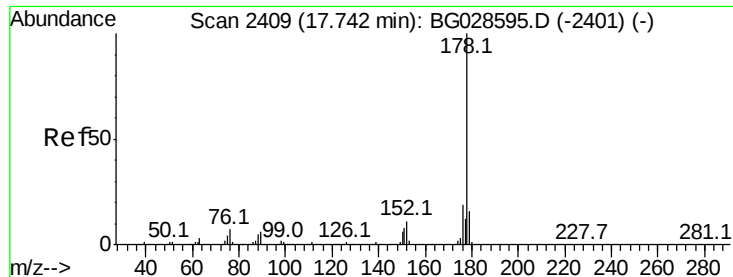
Tot Ion:166 Resp: 30912
 Ion Ratio Lower Upper
 166 100
 165 102.8 78.6 117.8
 167 14.6 11.6 17.4



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.69 min Scan# 2401
 Delta R.T. -0.01 min
 Lab File: BG028649.D
 Acq: 11 Sep 2017 19:50

Tgt Ion:188 Resp: 275191
 Ion Ratio Lower Upper
 188 100
 94 6.2 5.8 8.8
 80 7.9 7.5 11.3

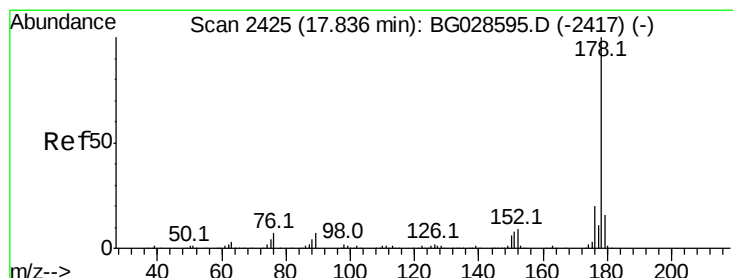
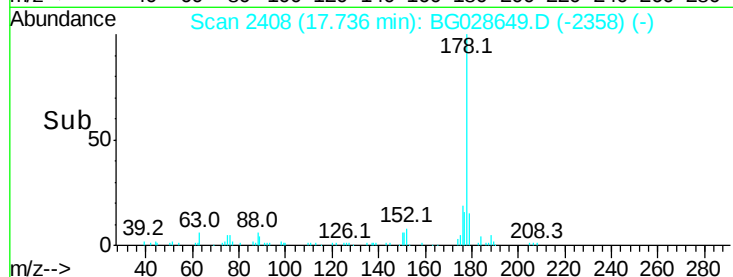
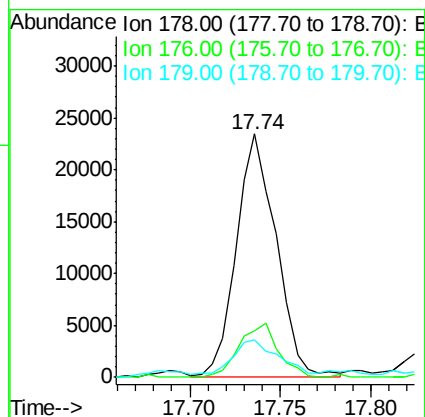
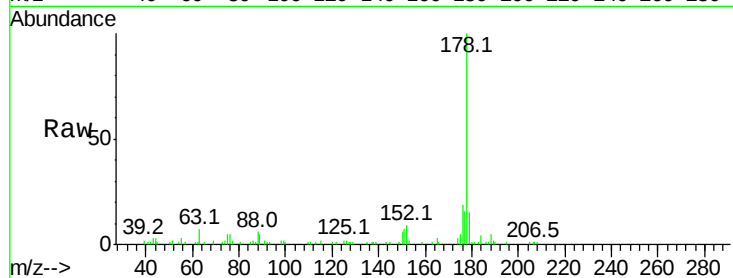




#70
Phenanthrene
Concen: 2.432 ng
RT: 17.74 min Scan# 2408
Delta R.T. -0.01 min
Lab File: BG028649.D
Acq: 11 Sep 2017 19:50

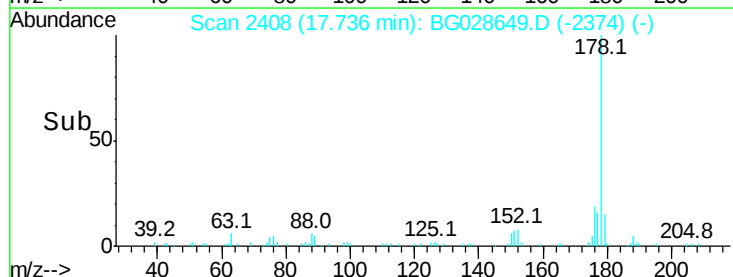
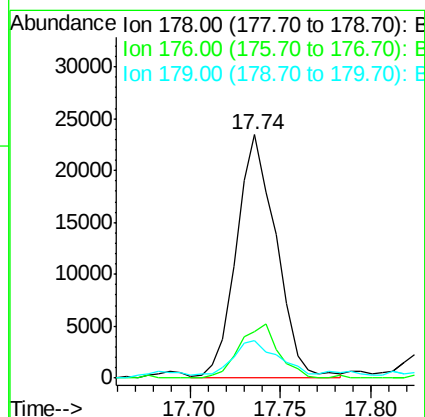
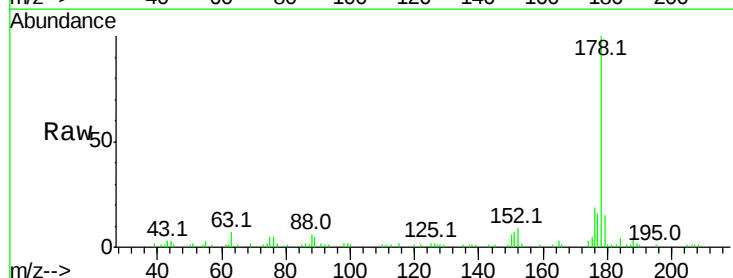
Instrument :
BNA_G
ClientSampleId :

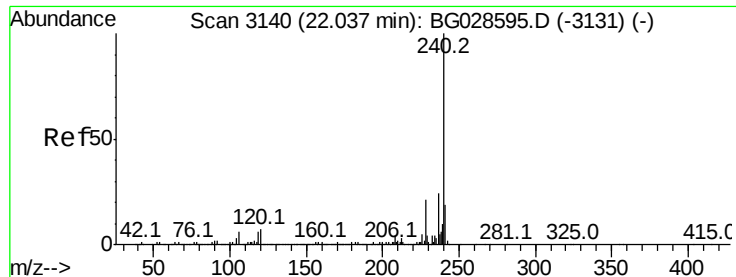
Tot Ion:178 Resp: 35589
Ion Ratio Lower Upper
178 100
176 19.1 17.7 26.5
179 15.3 15.0 22.6



#71
Anthracene
Concen: 2.391 ng
RT: 17.74 min Scan# 2408
Delta R.T. -0.10 min
Lab File: BG028649.D
Acq: 11 Sep 2017 19:50

Tgt Ion:178 Resp: 35589
Ion Ratio Lower Upper
178 100
176 19.1 16.4 24.6
179 15.3 13.8 20.8





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.02 min Scan# 3138

Delta R.T. -0.01 min

Lab File: BG028649.D

Acq: 11 Sep 2017 19:50

Instrument :

BNA_G

ClientSampled :

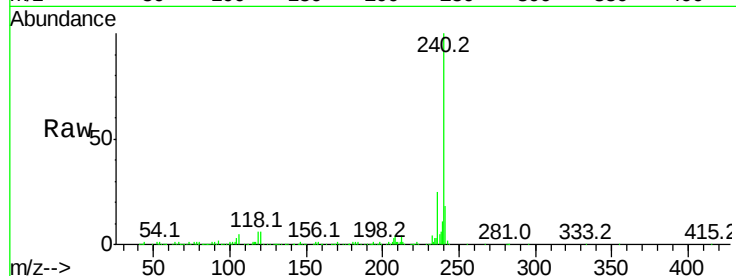
Tot Ion:240 Resp: 318334

Ion Ratio Lower Upper

240 100

120 6.4 5.7 8.5

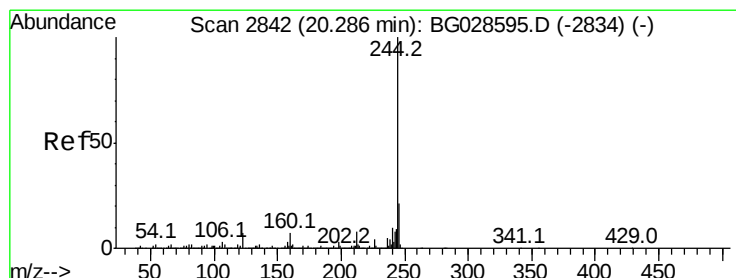
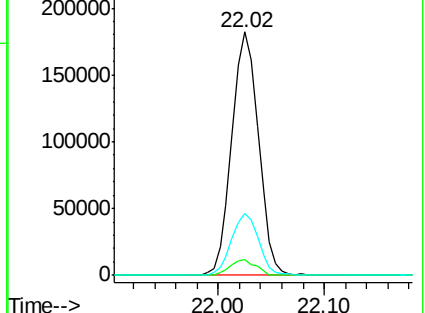
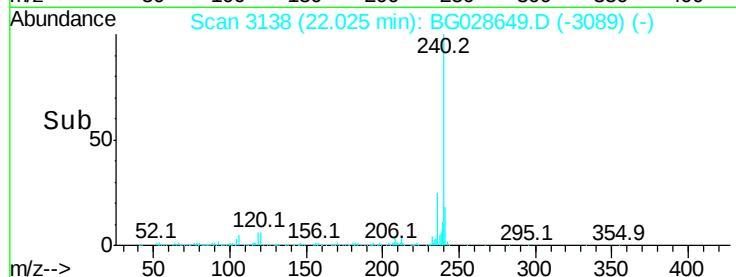
236 25.3 22.2 33.4



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



#78

Terphenyl-d14

Concen: 88.384 ng

RT: 20.28 min Scan# 2841

Delta R.T. -0.01 min

Lab File: BG028649.D

Acq: 11 Sep 2017 19:50

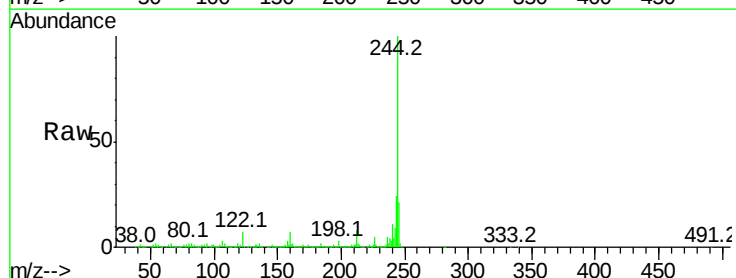
Tgt Ion:244 Resp: 1305890

Ion Ratio Lower Upper

244 100

212 8.1 10.0 15.0#

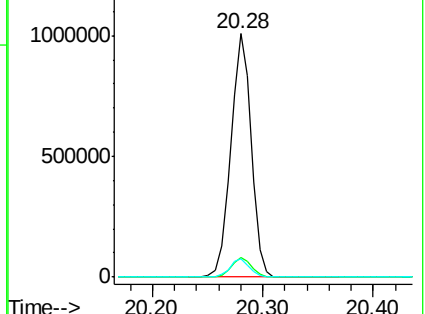
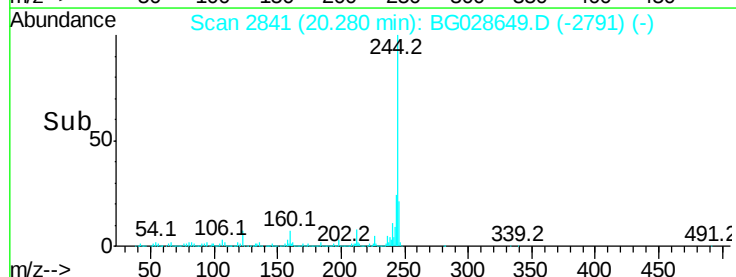
122 7.5 8.6 12.8#

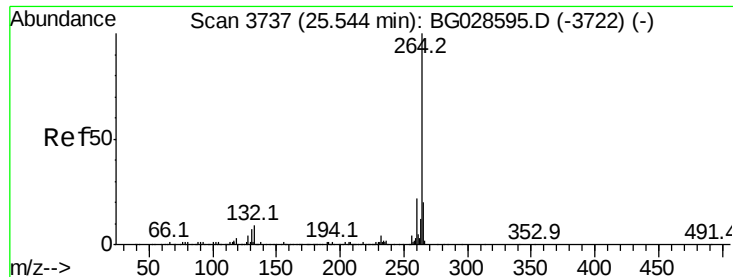


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

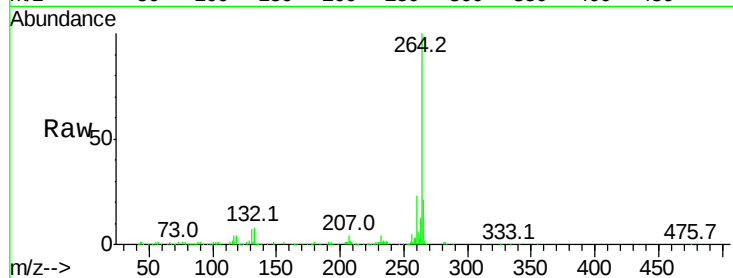




#86
Pervlene-d12
Concen: 20.000 ng
RT: 25.53 min Scan# 3734
Delta R.T. -0.02 min
Lab File: BG028649.D
Acq: 11 Sep 2017 19:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	21.8	32.8
265	21.2	18.2	27.4



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

