

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062817\
 Data File : BG027719.D
 Acq On : 28 Jun 2017 21:28
 Operator : SJ/JU
 Sample : PB100124BL
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 29 06:44:27 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 19:26:37 2017
 Response via : Initial Calibration

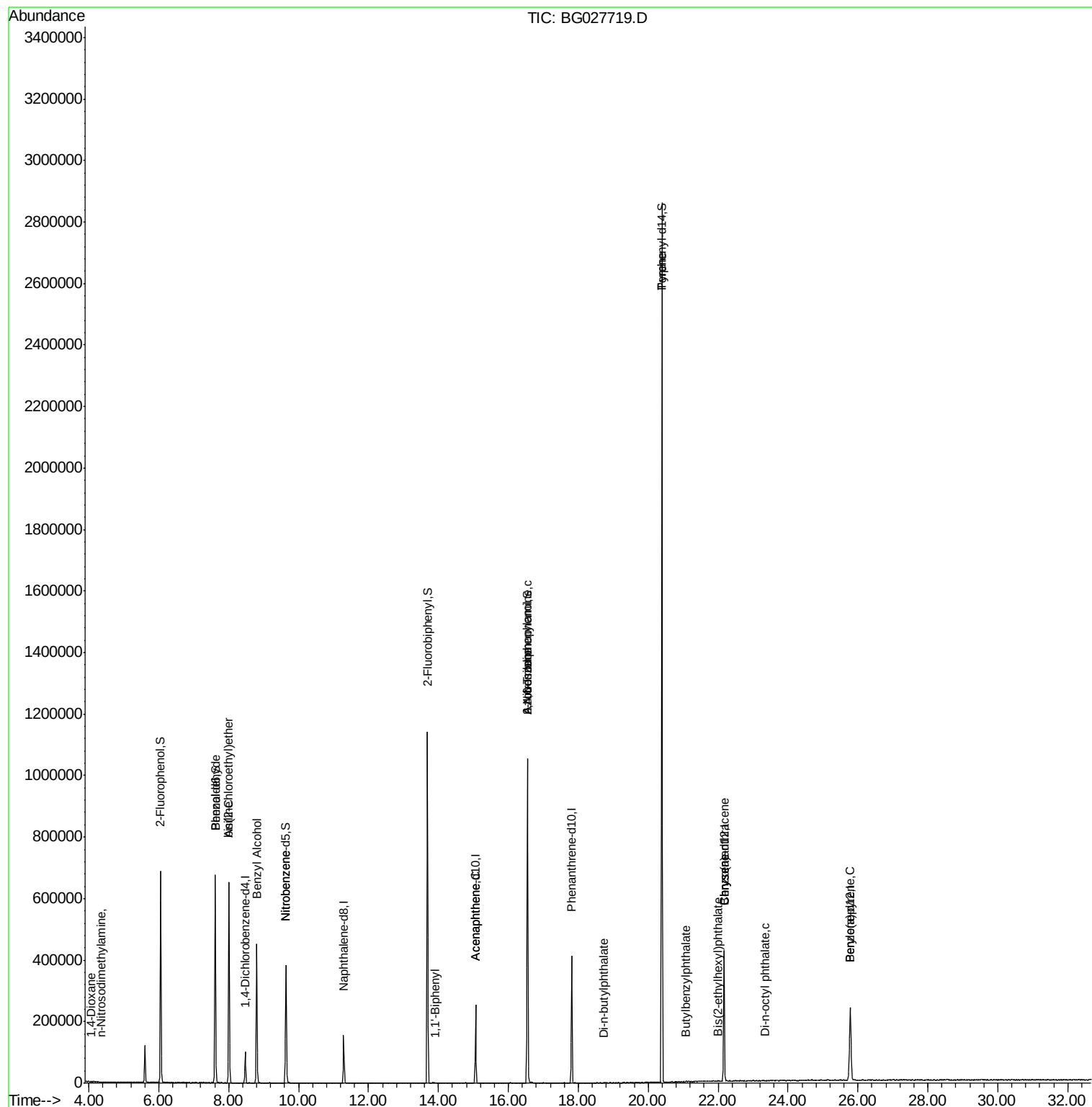
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.48	152	30957	20.00	ng	0.00
21) Naphthalene-d8	11.30	136	141545	20.00	ng	0.00
38) Acenaphthene-d10	15.06	164	85821	20.00	ng	0.00
63) Phenanthrene-d10	17.81	188	253997	20.00	ng	0.00
75) Chrysene-d12	22.17	240	275013	20.00	ng	0.00
86) Perylene-d12	25.78	264	261841	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.06	112	310162	154.29	ng	0.00
7) Phenol-d6	7.62	99	433762	141.24	ng	0.00
23) Nitrobenzene-d5	9.64	82	244286	96.20	ng	0.00
41) 2,4,6-Tribromophenol	16.55	330	203209	172.63	ng	0.00
44) 2-Fluorobiphenyl	13.69	172	597698	99.46	ng	0.00
78) Terphenyl-d14	20.39	244	1314207	112.03	ng	0.00
Target Compounds						
2) 1,4-Dioxane	4.07	88	53	0.07	ng	# 10
4) n-Nitrosodimethylamine	4.36	42	115	0.10	ng	# 7
6) Aniline	8.01	93	494	0.14	ng	# 1
9) Benzaldehyde	7.62	77	392	0.21	ng	# 10
11) bis(2-Chloroethyl)ether	8.01	93	494	0.21	ng	# 1
15) Benzyl Alcohol	8.80	79	3936	1.85	ng	# 64
24) Nitrobenzene	9.65	77	828	0.31	ng	# 49
45) 1,1'-Biphenyl	13.91	154	872	0.13	ng	# 80
51) Acenaphthene	15.06	154	207	0.03	ng	# 6
62) Azobenzene	16.54	77	1030	0.14	ng	# 1
65) n-Nitrosodiphenylamine	16.55	169	7806	0.94	ng	# 42
73) Di-n-butylphthalate	18.74	149	119	0.01	ng	# 73
77) Pvrene	20.39	202	4512	0.26	ng	# 61
79) Butylbenzylphthalate	21.07	149	63	0.01	ng	# 19
80) Benzo(a)anthracene	22.18	228	750	0.05	ng	# 47
82) Chrysene	22.18	228	750	0.05	ng	# 46
83) Bis(2-ethylhexyl)phthalate	22.00	149	822	0.07	ng	# 51
84) Di-n-octyl phthalate	23.34	149	118	0.01	ng	# 1
89) Benzo(a)pvrene	25.78	252	672	0.04	ng	# 58

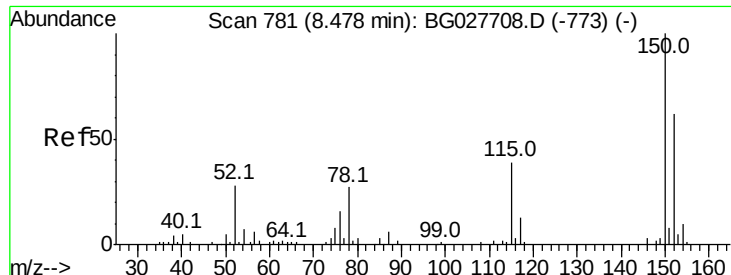
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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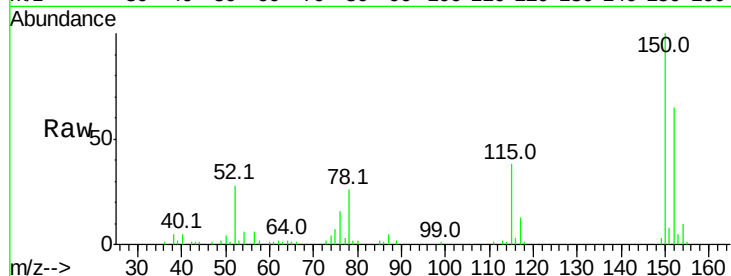


#1

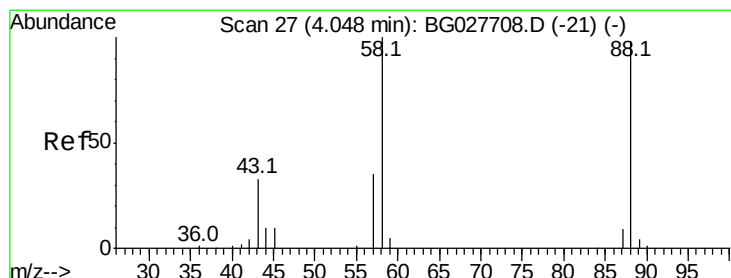
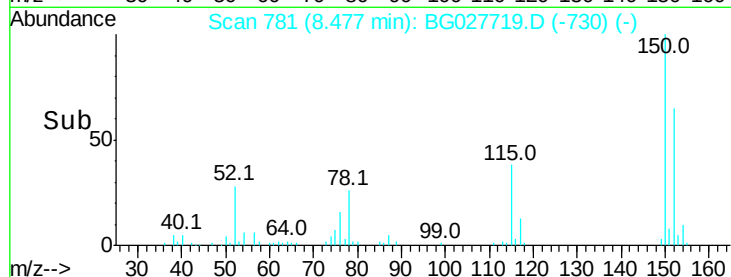
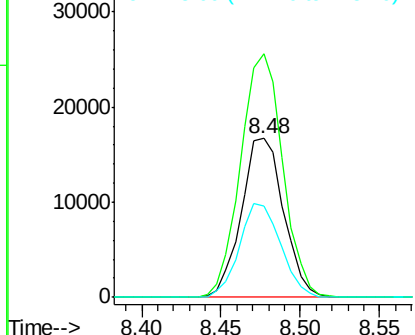
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.48 min Scan# 781
Delta R.T. -0.00 min
Lab File: BG027719.D
Acq: 28 Jun 2017 21:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 30957
Ion Ratio Lower Upper
152 100
150 153.4 114.0 171.0
115 57.7 48.1 72.1



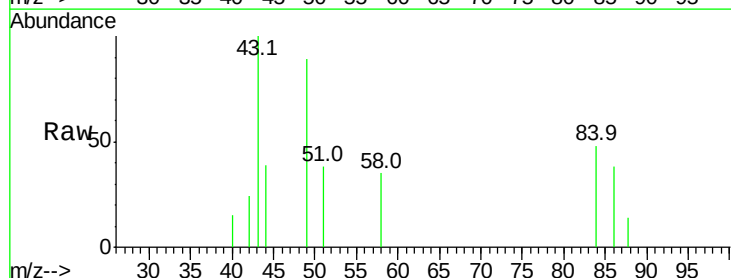
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



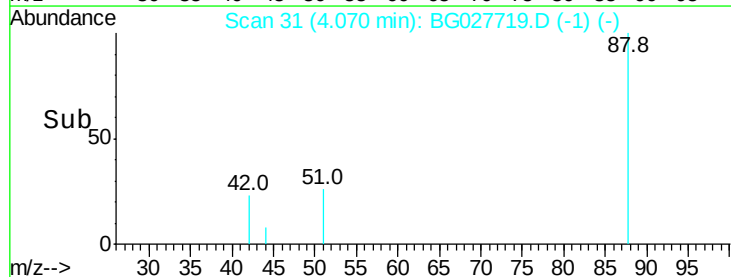
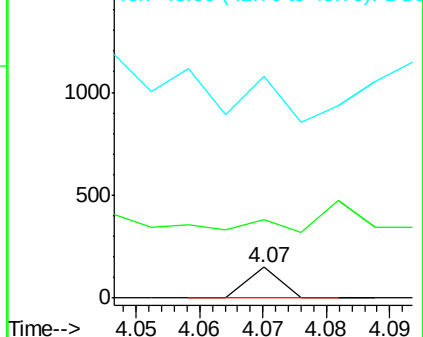
#2

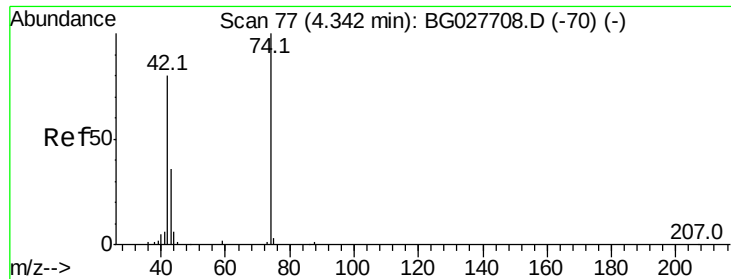
1,4-Dioxane
Concen: 0.07 ng
RT: 4.07 min Scan# 31
Delta R.T. 0.02 min
Lab File: BG027719.D
Acq: 28 Jun 2017 21:28

Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
58 0.0 79.4 119.2#
43 0.0 33.8 50.6#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#4

n-Nitrosodimethylamine

Concen: 0.10 ng

RT: 4.36 min Scan# 81

Delta R.T. 0.02 min

Lab File: BG027719.D

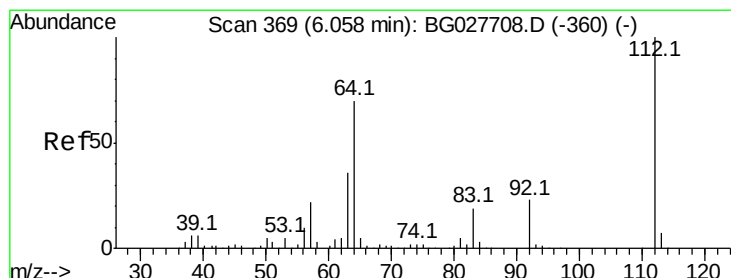
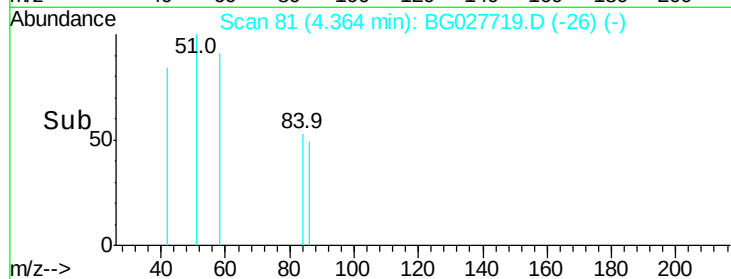
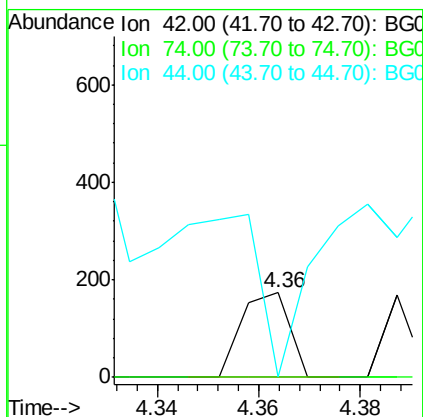
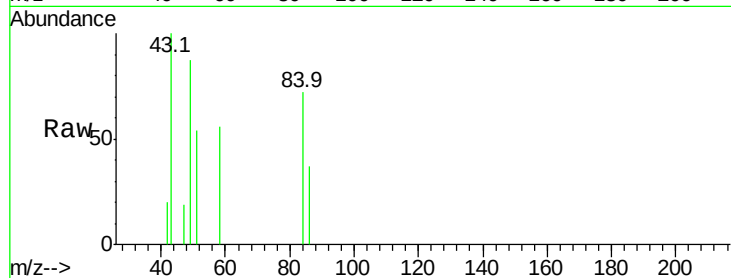
Acq: 28 Jun 2017 21:28

Instrument :

BNA_G

ClientSampled :

Tot Ion:	42	Resp:	115
Ion	Ratio	Lower	Upper
42	100		
74	0.0	76.7	115.1#
44	0.0	6.1	9.1#



#5

2-Fluorophenol

Concen: 154.29 ng

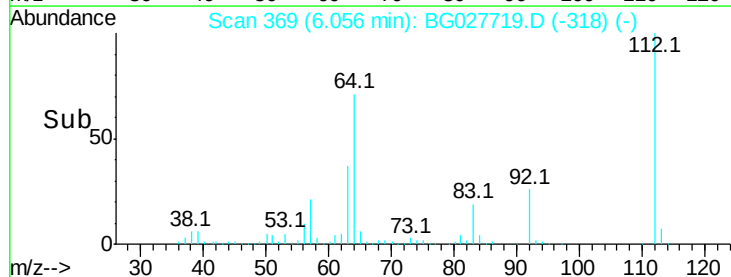
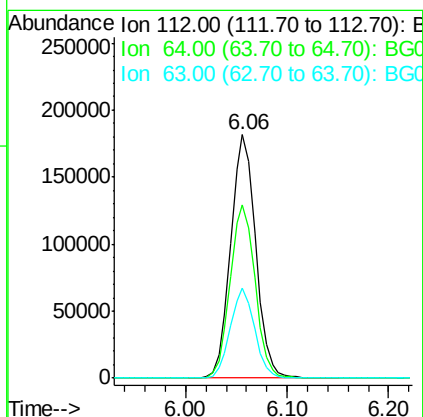
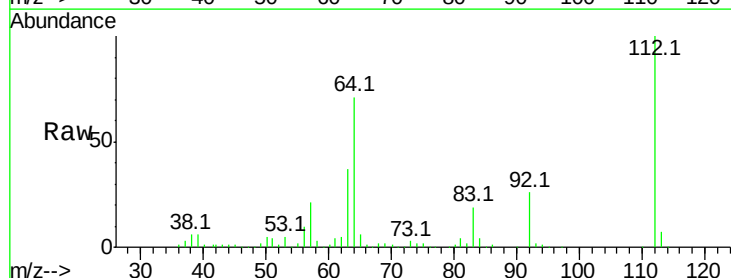
RT: 6.06 min Scan# 369

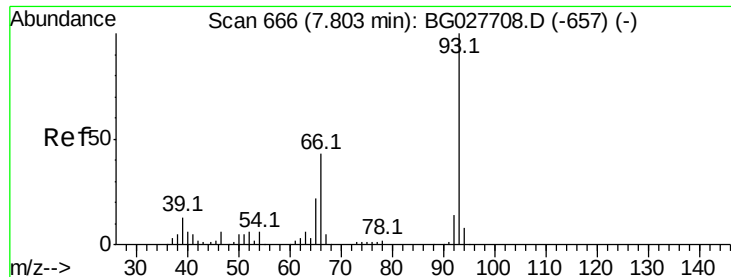
Delta R.T. -0.00 min

Lab File: BG027719.D

Acq: 28 Jun 2017 21:28

Tgt Ion:	112	Resp:	310162
Ion	Ratio	Lower	Upper
112	100		
64	71.0	61.8	92.6
63	36.8	37.2	55.8#





#6

Aniline

Concen: 0.14 ng

RT: 8.01 min Scan# 702

Delta R.T. 0.21 min

Lab File: BG027719.D

Acq: 28 Jun 2017 21:28

Instrument :

BNA_G

ClientSampleId :

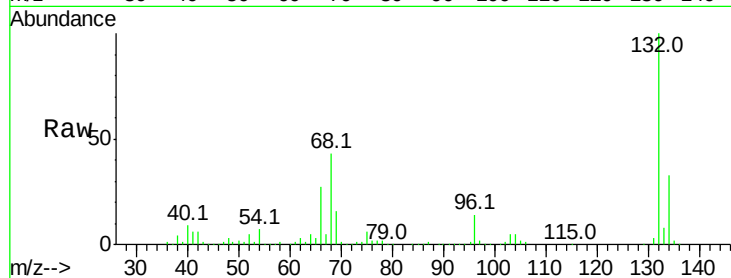
Tot Ion: 93 Resp: 494

Ion Ratio Lower Upper

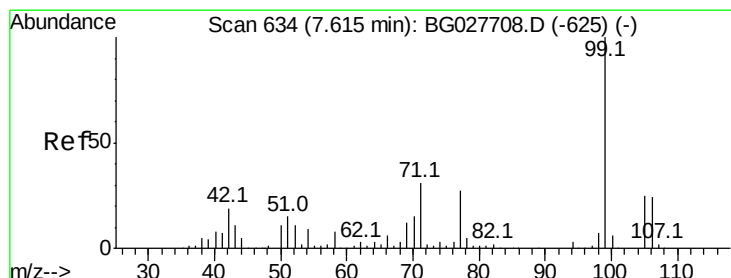
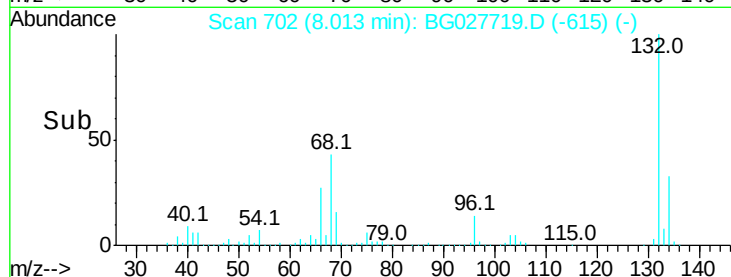
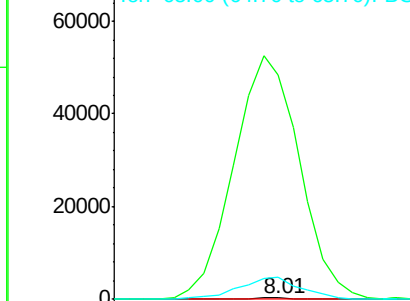
93 100

66 14286.4 35.4 53.2#

65 1375.4 21.2 31.8#



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 66.00 (65.70 to 66.70): BGC
Ion 65.00 (64.70 to 65.70): BGC



#7

Phenol-d6

Concen: 141.24 ng

RT: 7.62 min Scan# 635

Delta R.T. 0.00 min

Lab File: BG027719.D

Acq: 28 Jun 2017 21:28

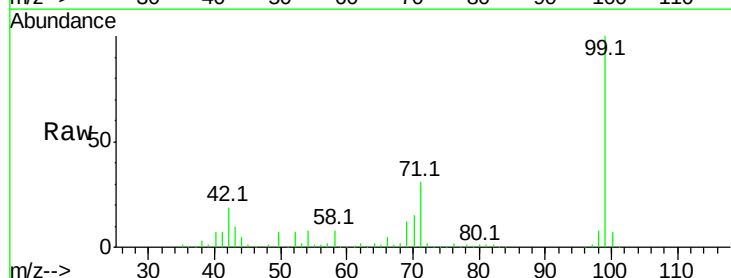
Tgt Ion: 99 Resp: 433762

Ion Ratio Lower Upper

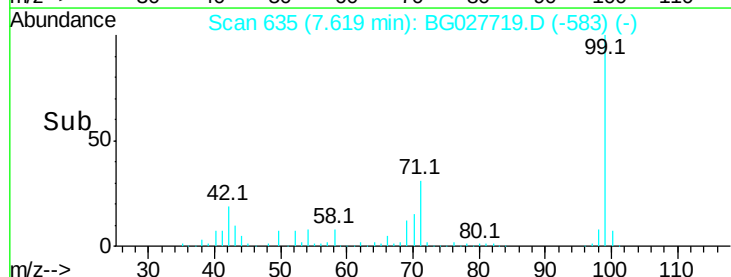
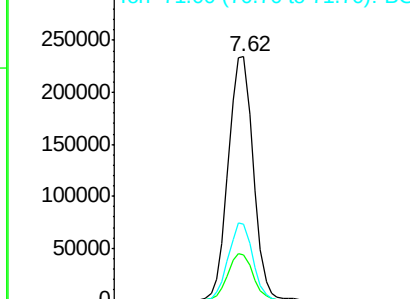
99 100

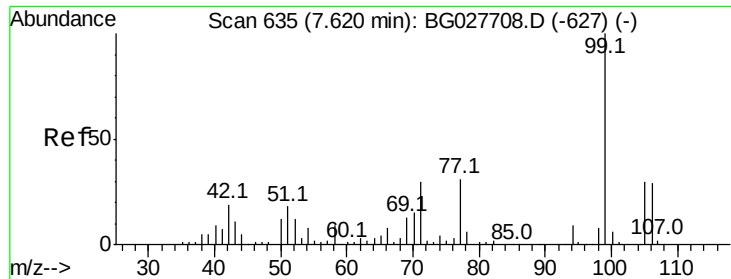
42 18.6 20.5 30.7#

71 31.2 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





#9

Benzaldehyde

Concen: 0.21 ng

RT: 7.62 min Scan# 635

Delta R.T. -0.00 min

Lab File: BG027719.D

Acq: 28 Jun 2017 21:28

Instrument :

BNA_G

ClientSampleId :

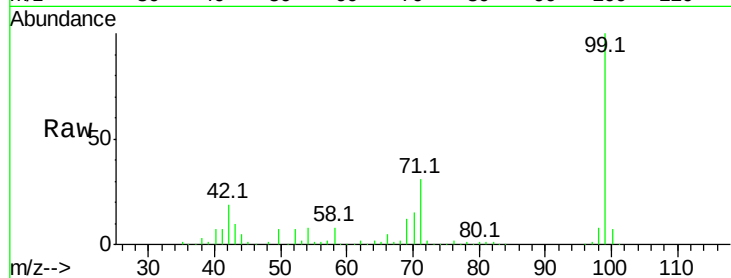
Tot Ion: 77 Resp: 392

Ion Ratio Lower Upper

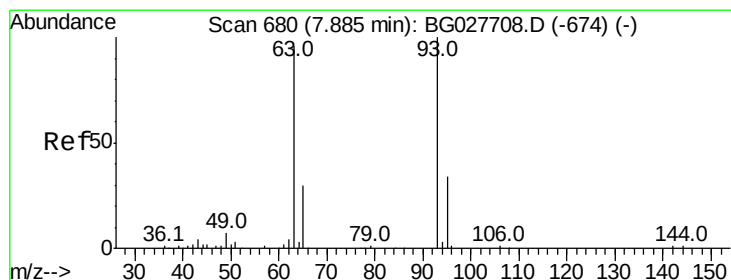
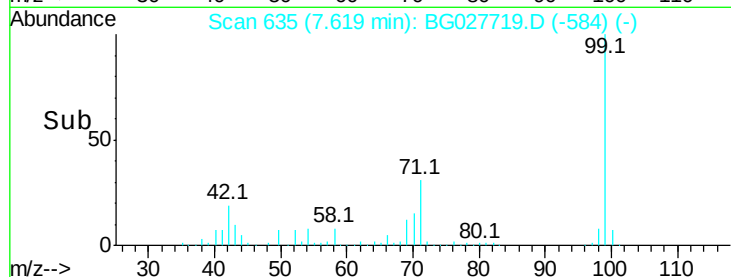
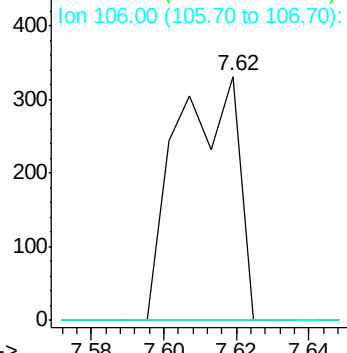
77 100

105 0.0 60.9 100.9#

106 0.0 55.1 95.1#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC



#11

bis(2-Chloroethyl)ether

Concen: 0.21 ng

RT: 8.01 min Scan# 702

Delta R.T. 0.13 min

Lab File: BG027719.D

Acq: 28 Jun 2017 21:28

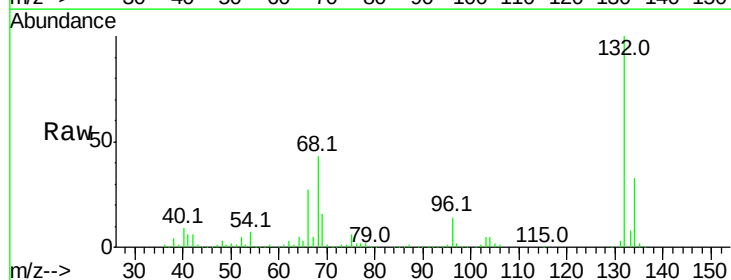
Tgt Ion: 93 Resp: 494

Ion Ratio Lower Upper

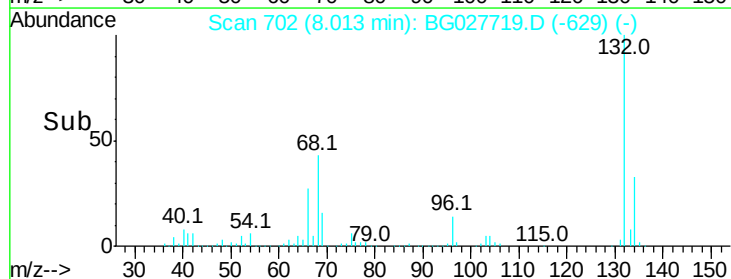
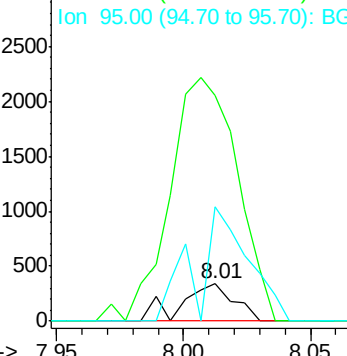
93 100

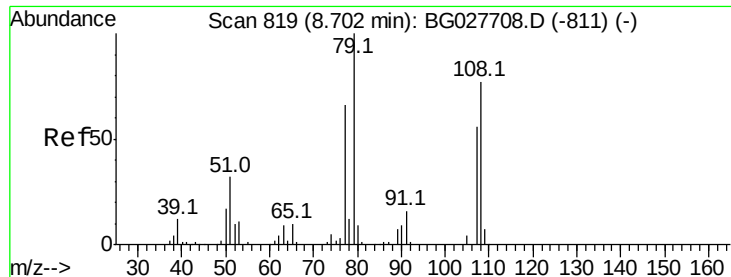
63 606.8 78.5 118.5#

95 309.5 9.8 49.8#



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC

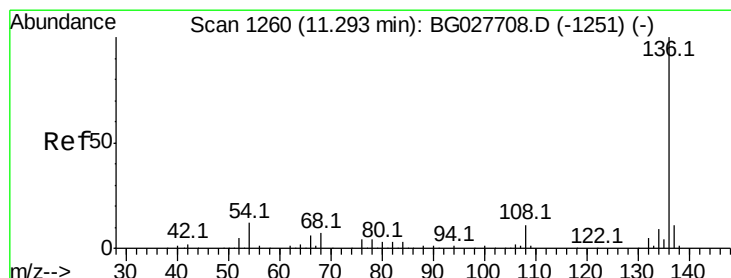
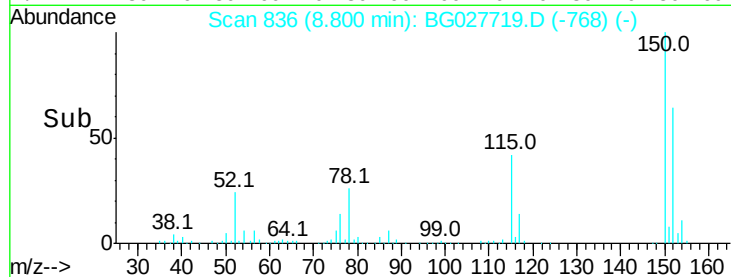
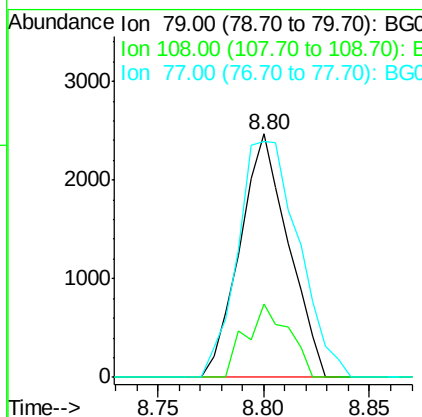
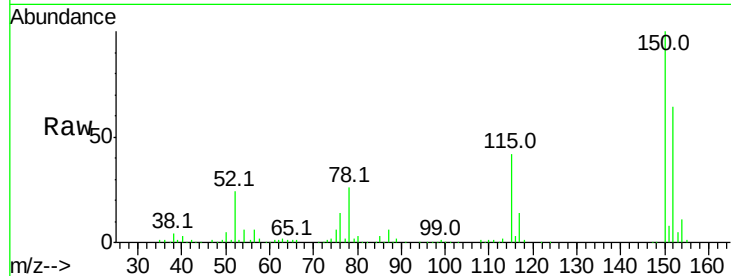




#15
Benzyl Alcohol
Concen: 1.85 ng
RT: 8.80 min Scan# 836
Delta R.T. 0.10 min
Lab File: BG027719.D
Acq: 28 Jun 2017 21:28

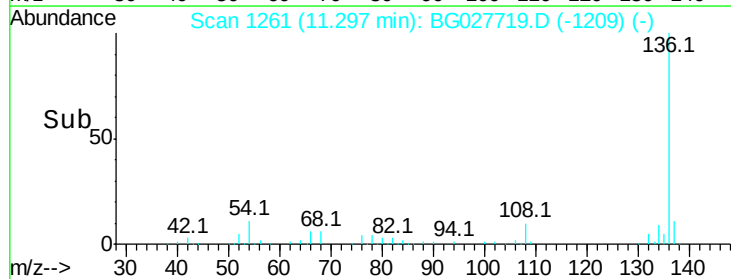
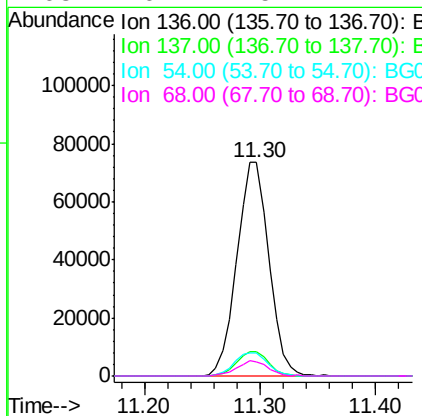
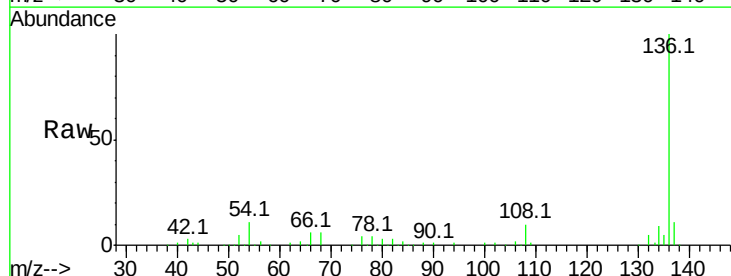
Instrument :
BNA_G
ClientSampleId :

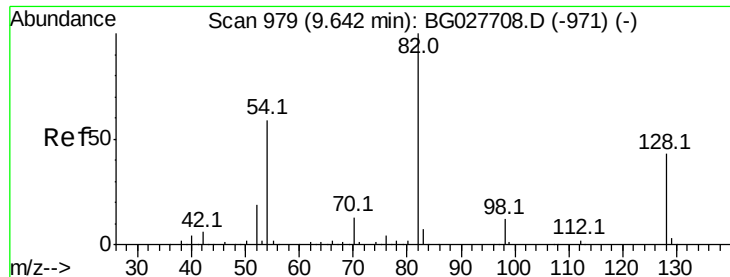
Tot Ion: 79 Resp: 3936
Ion Ratio Lower Upper
79 100
108 30.3 45.5 68.3#
77 97.0 54.3 81.5#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.30 min Scan# 1261
Delta R.T. 0.00 min
Lab File: BG027719.D
Acq: 28 Jun 2017 21:28

Tgt Ion: 136 Resp: 141545
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 11.0 9.3 13.9
68 6.4 5.1 7.7

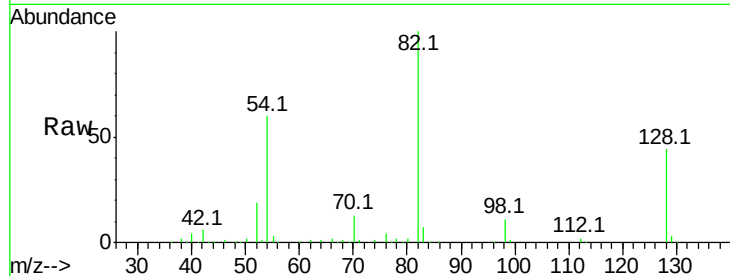




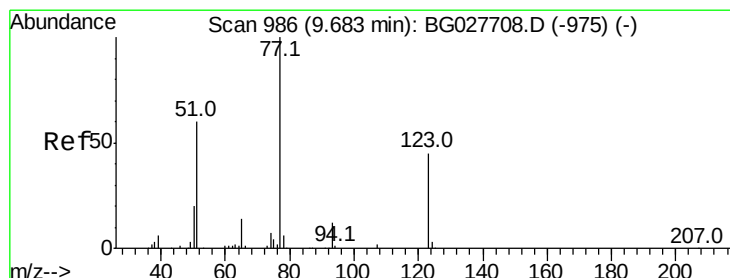
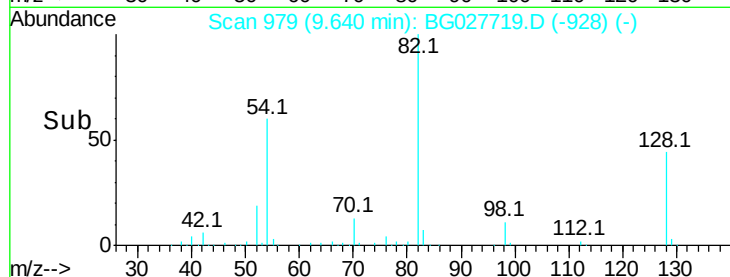
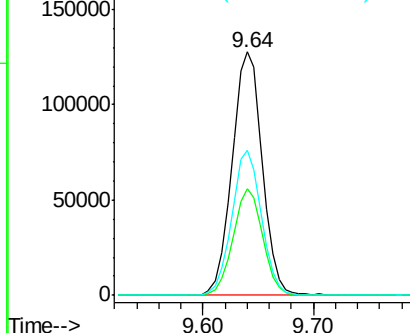
#23
Nitrobenzene-d5
Concen: 96.20 ng
RT: 9.64 min Scan# 979
Delta R.T. -0.00 min
Lab File: BG027719.D
Acq: 28 Jun 2017 21:28

Instrument :
BNA_G
ClientSampled :

Tot Ion: 82 Resp: 244286
Ion Ratio Lower Upper
82 100
128 43.7 26.4 39.6#
54 59.5 49.4 74.2

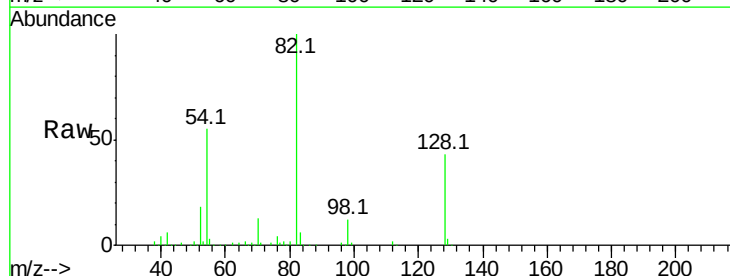


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

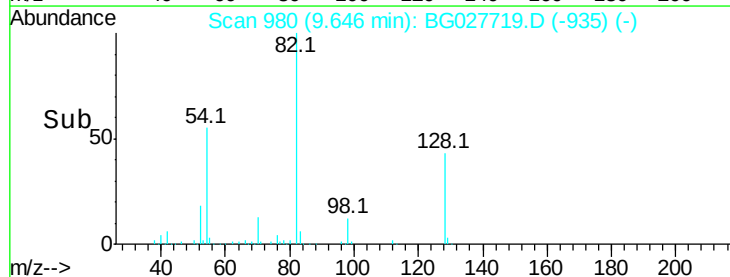
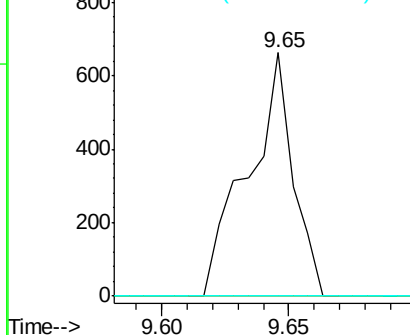


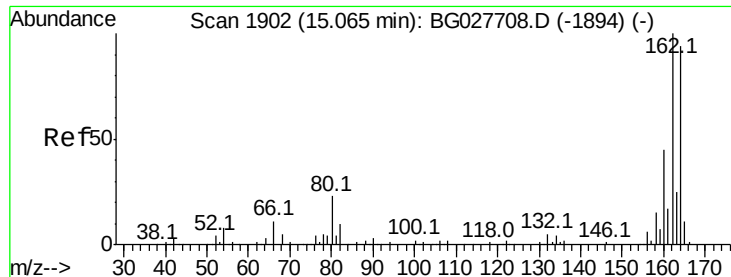
#24
Nitrobenzene
Concen: 0.31 ng
RT: 9.65 min Scan# 980
Delta R.T. -0.04 min
Lab File: BG027719.D
Acq: 28 Jun 2017 21:28

Tgt Ion: 77 Resp: 828
Ion Ratio Lower Upper
77 100
123 0.0 26.1 39.1#
65 0.0 12.4 18.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.06 min Scan# 1902

Delta R.T. -0.00 min

Lab File: BG027719.D

Acq: 28 Jun 2017 21:28

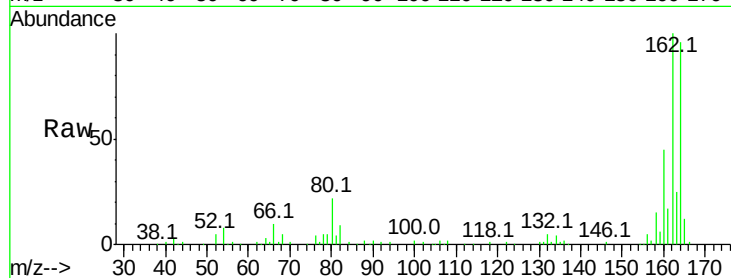
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 85821

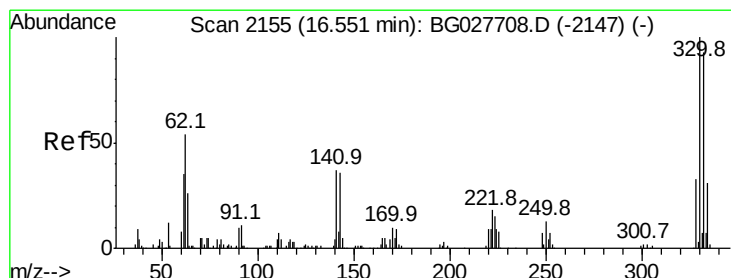
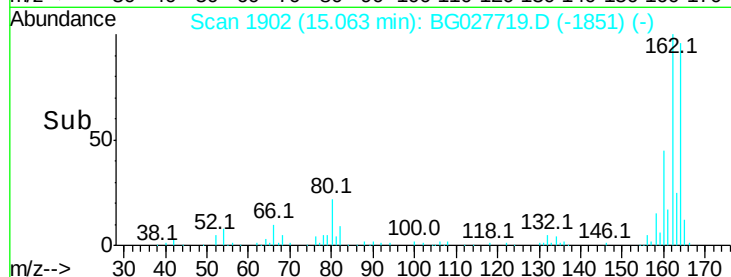
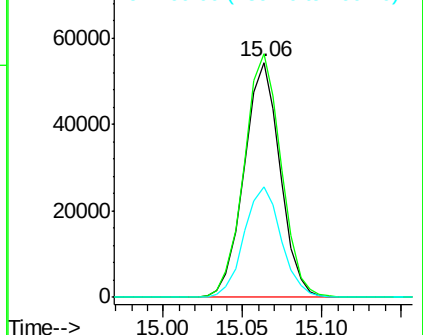
Ion	Ratio	Lower	Upper
164	100		
162	103.7	85.1	127.7
160	47.2	34.7	52.1



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



#41

2,4,6-Tribromophenol

Concen: 172.63 ng

RT: 16.55 min Scan# 2155

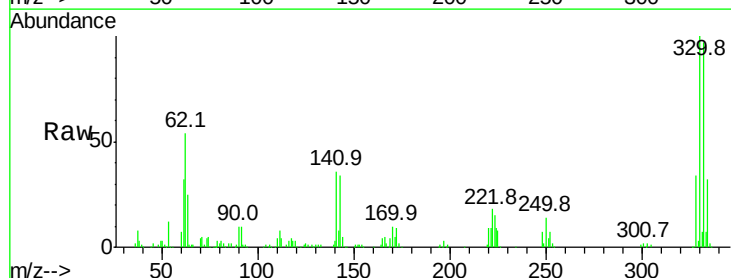
Delta R.T. -0.00 min

Lab File: BG027719.D

Acq: 28 Jun 2017 21:28

Tgt Ion:330 Resp: 203209

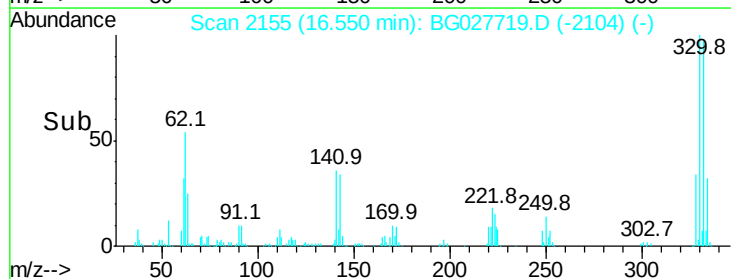
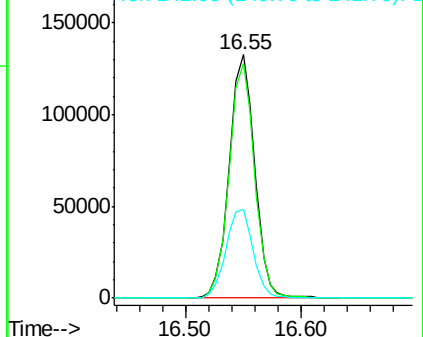
Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.3	115.9
141	38.8	32.1	48.1

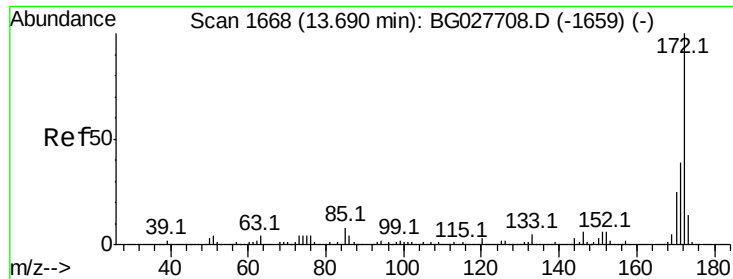


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

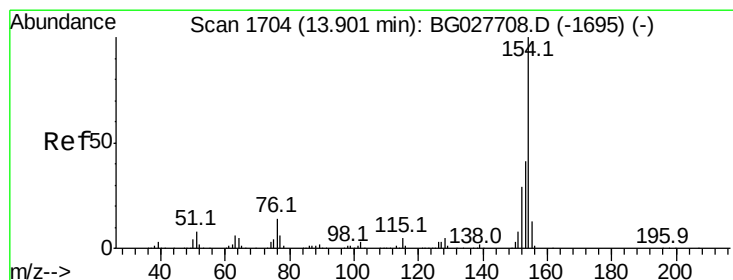
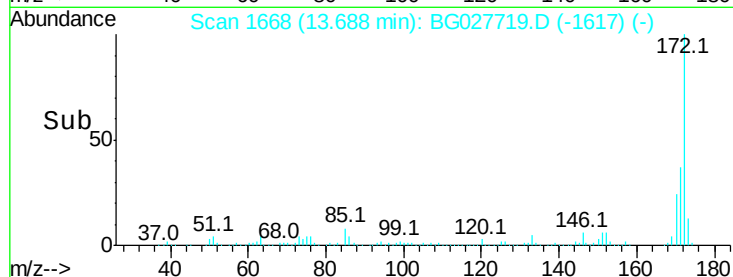
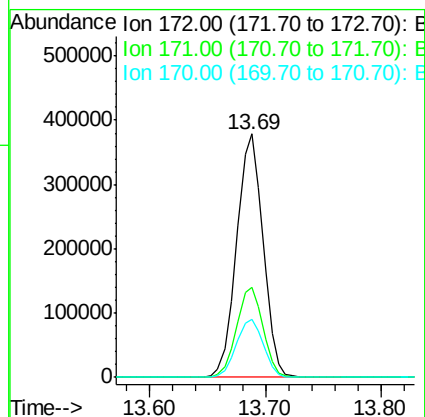
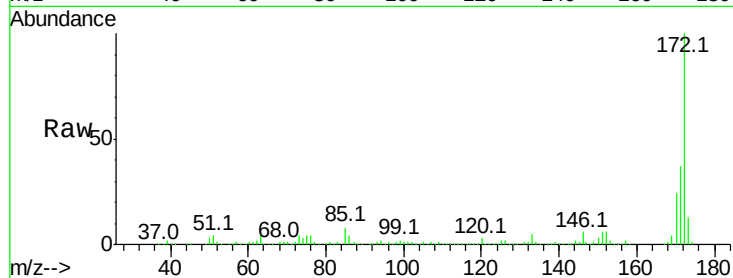




#44
2-Fluorobiphenyl
Concen: 99.46 ng
RT: 13.69 min Scan# 1668
Delta R.T. -0.00 min
Lab File: BG027719.D
Acq: 28 Jun 2017 21:28

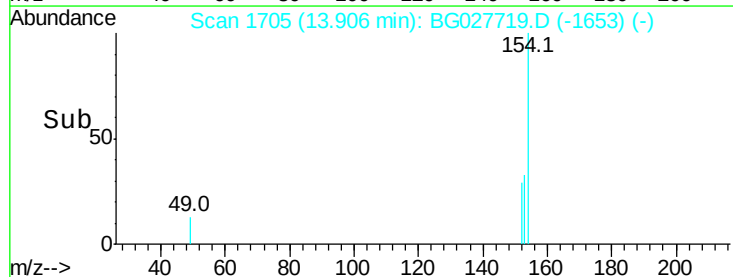
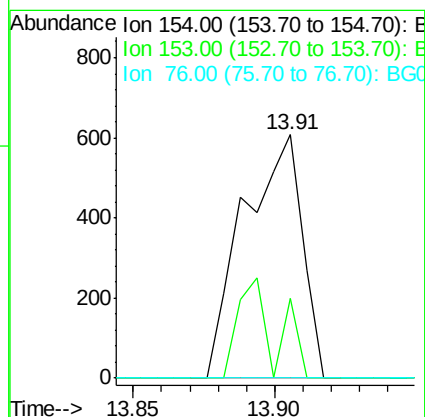
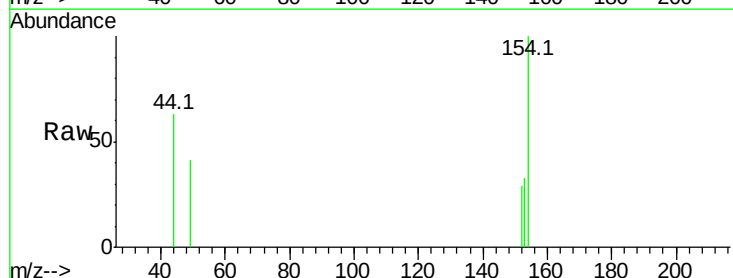
Instrument :
BNA_G
ClientSampleId :

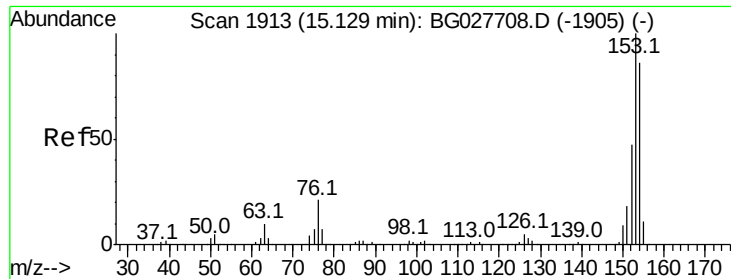
Tot Ion:172 Resp: 597698
Ion Ratio Lower Upper
172 100
171 37.2 32.2 48.2
170 23.8 21.8 32.6



#45
1,1'-Biphenyl
Concen: 0.13 ng
RT: 13.91 min Scan# 1705
Delta R.T. 0.00 min
Lab File: BG027719.D
Acq: 28 Jun 2017 21:28

Tgt Ion:154 Resp: 872
Ion Ratio Lower Upper
154 100
153 32.9 23.0 63.0
76 0.0 0.0 33.5





#51

Acenaphthene

Concen: 0.03 ng

RT: 15.06 min Scan# 1901

Delta R.T. -0.07 min

Lab File: BG027719.D

Acq: 28 Jun 2017 21:28

Instrument :

BNA_G

ClientSampleId :

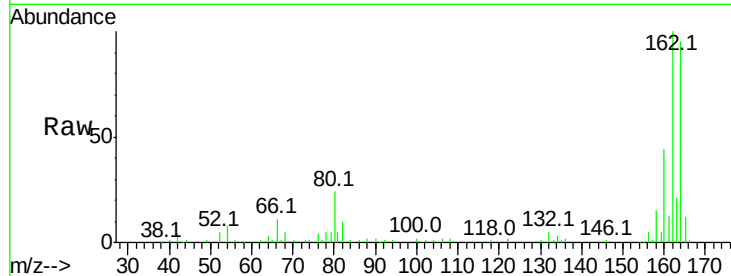
Tot Ion:154 Resp: 207

Ion Ratio Lower Upper

154 100

153 0.0 87.8 131.6#

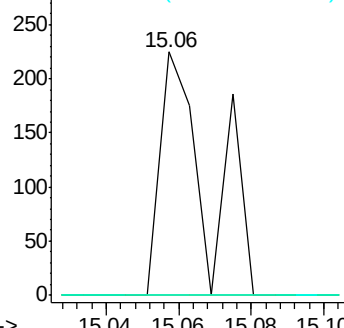
152 0.0 42.2 63.4#



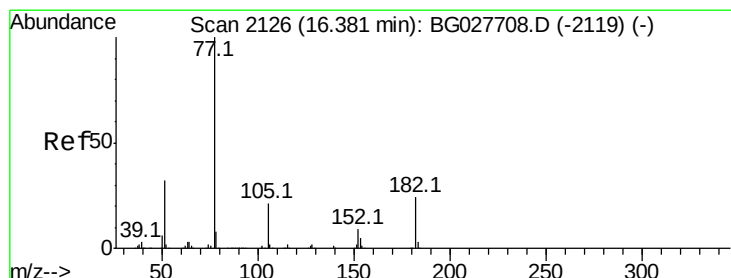
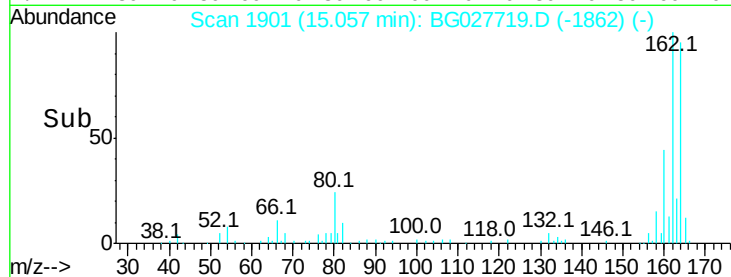
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



Time-->



#62

Azobenzene

Concen: 0.14 ng

RT: 16.54 min Scan# 2154

Delta R.T. 0.16 min

Lab File: BG027719.D

Acq: 28 Jun 2017 21:28

Tgt Ion: 77 Resp: 1030

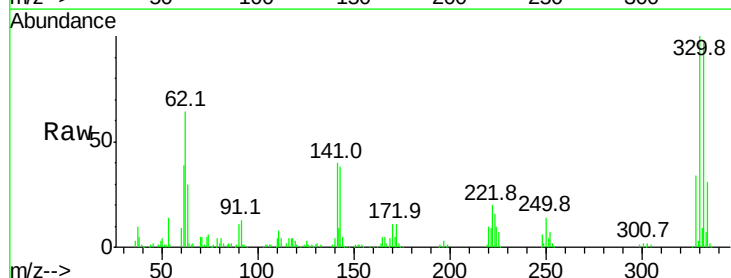
Ion Ratio Lower Upper

77 100

182 0.0 4.7 44.7#

105 102.2 0.0 36.3#

51 94.1 16.4 56.4#

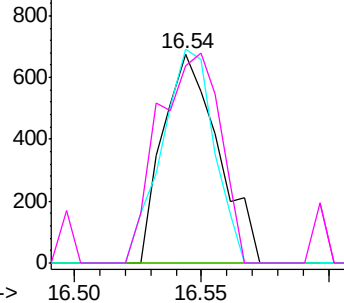


Abundance Ion 77.00 (76.70 to 77.70): BGC

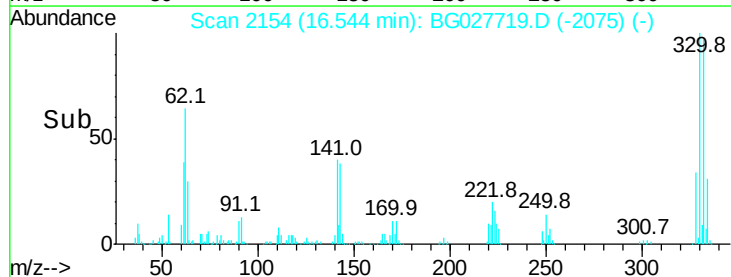
Ion 182.00 (181.70 to 182.70): E

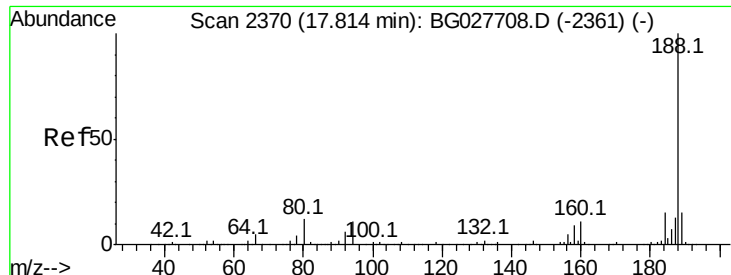
Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BGC



Time-->

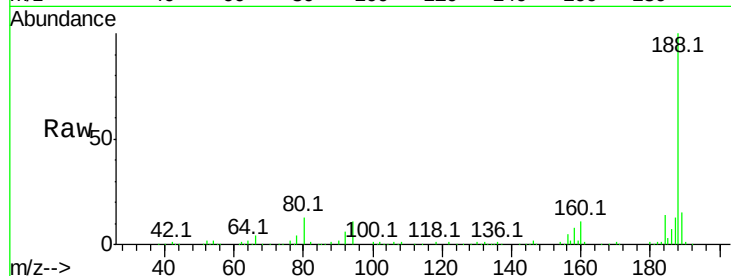




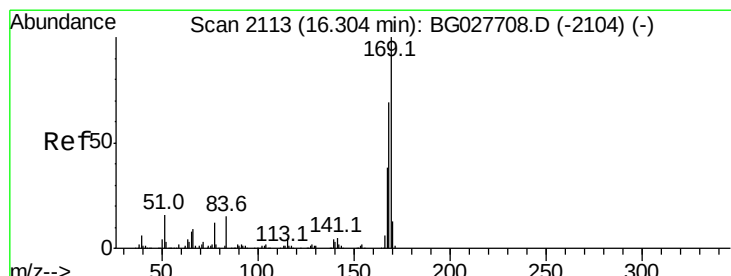
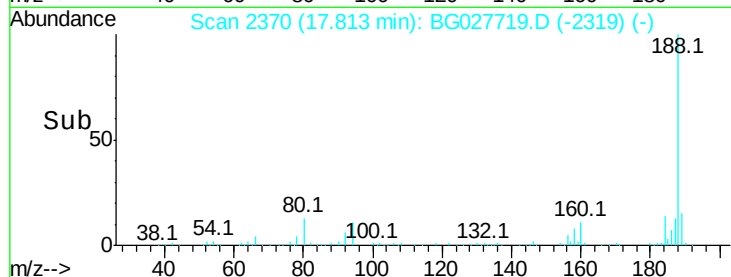
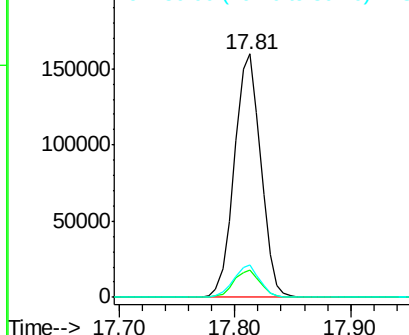
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.81 min Scan# 2370
Delta R.T. -0.00 min
Lab File: BG027719.D
Acq: 28 Jun 2017 21:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 253997
Ion Ratio Lower Upper
188 100
94 11.0 5.8 8.8#
80 13.2 7.5 11.3#

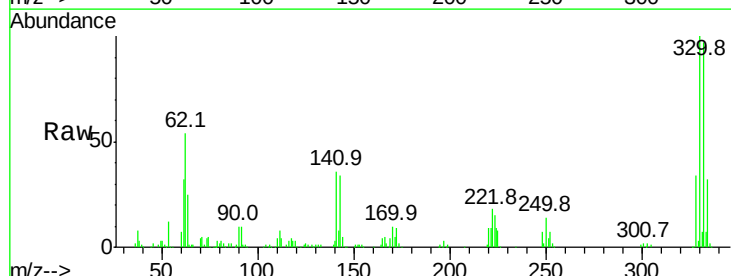


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

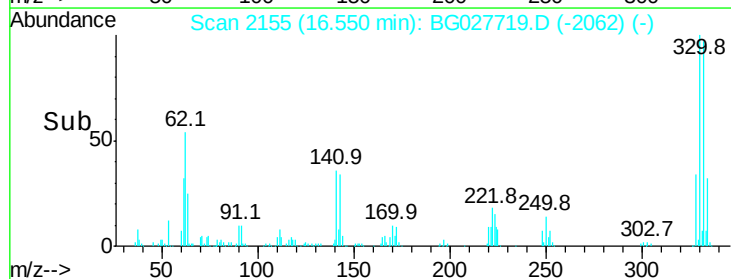
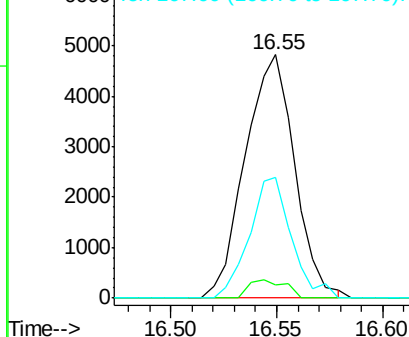


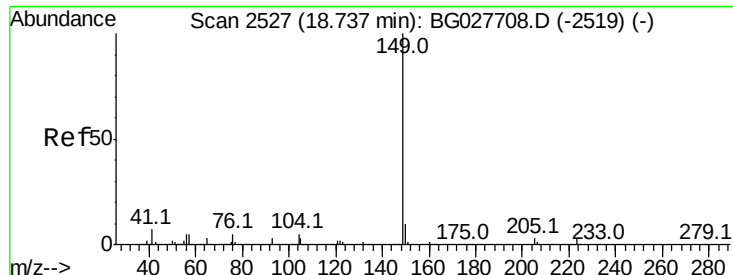
#65
n-Nitrosodiphenylamine
Concen: 0.94 ng
RT: 16.55 min Scan# 2155
Delta R.T. 0.25 min
Lab File: BG027719.D
Acq: 28 Jun 2017 21:28

Tgt Ion:169 Resp: 7806
Ion Ratio Lower Upper
169 100
168 5.4 55.7 83.5#
167 49.4 29.8 44.6#



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

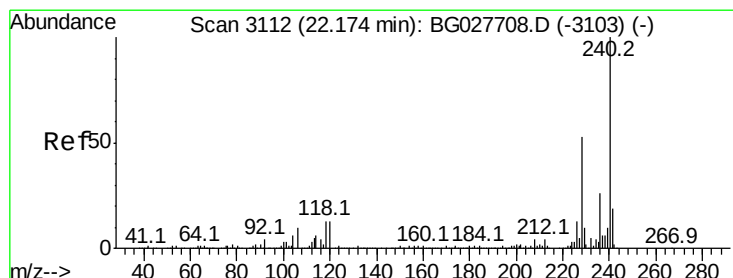
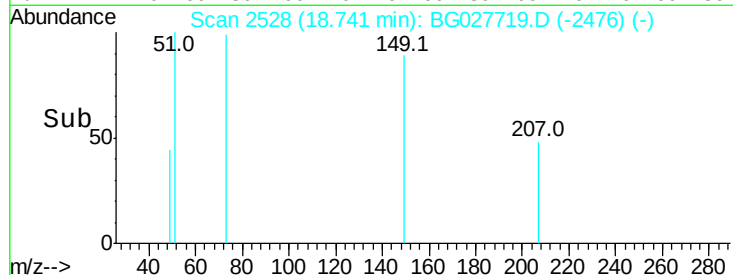
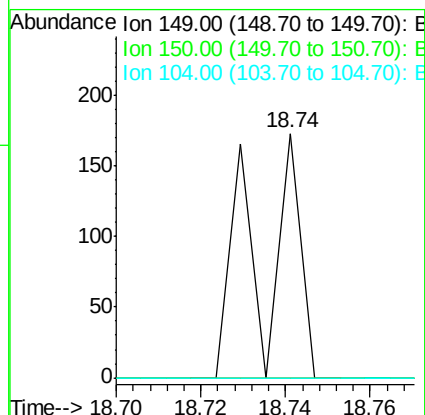
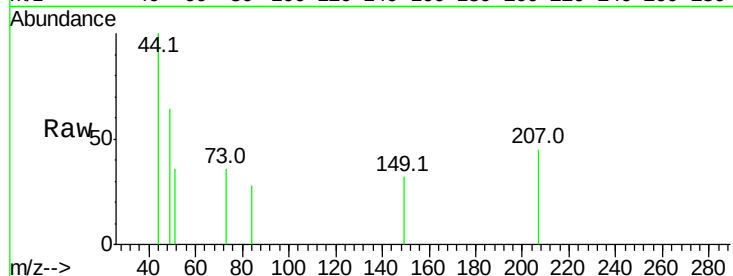




#73
Di-n-butylphthalate
Concen: 0.01 ng
RT: 18.74 min Scan# 2528
Delta R.T. 0.00 min
Lab File: BG027719.D
Acq: 28 Jun 2017 21:28

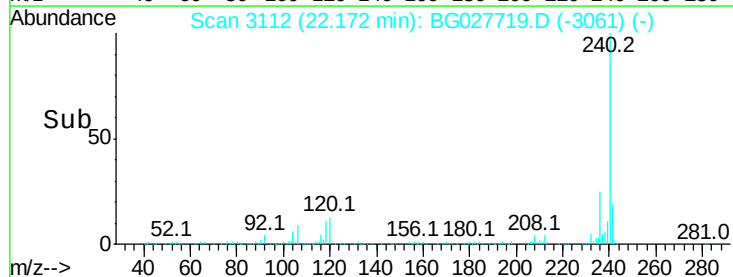
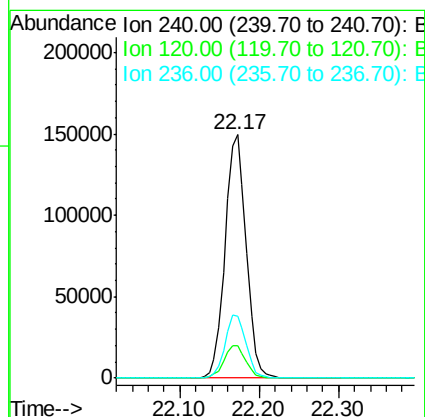
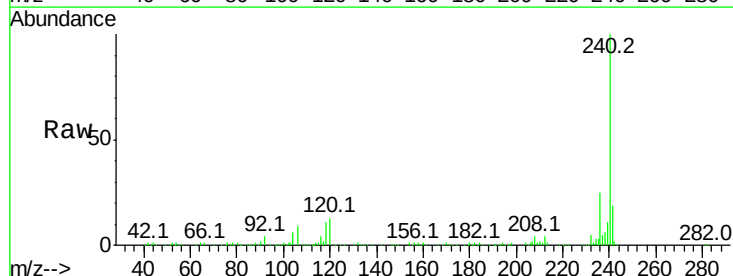
Instrument :
BNA_G
ClientSampled :

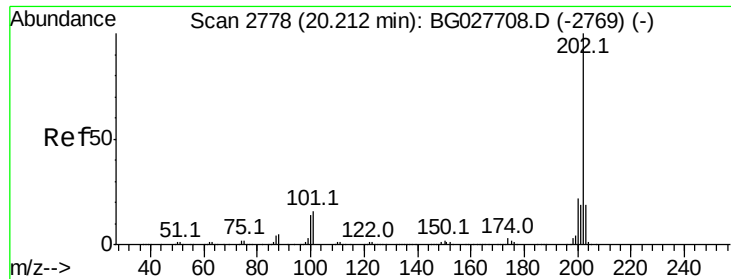
Tot Ion:149 Resp: 119
Ion Ratio Lower Upper
149 100
150 0.0 9.1 13.7#
104 0.0 6.7 10.1#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 22.17 min Scan# 3112
Delta R.T. -0.00 min
Lab File: BG027719.D
Acq: 28 Jun 2017 21:28

Tgt Ion:240 Resp: 275013
Ion Ratio Lower Upper
240 100
120 13.2 5.7 8.5#
236 25.5 22.2 33.4





#77

Pvrene

Concen: 0.26 ng

RT: 20.39 min Scan# 2809

Delta R.T. 0.18 min

Lab File: BG027719.D

Acq: 28 Jun 2017 21:28

Instrument :

BNA_G

ClientSampleId :

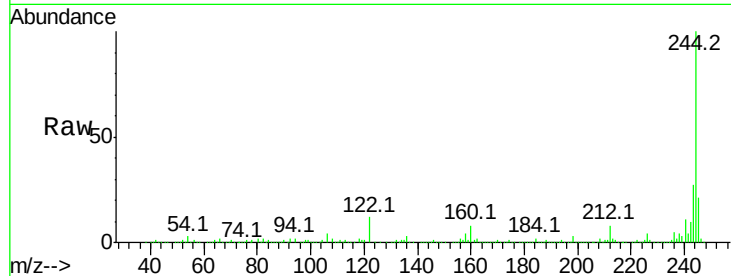
Tot Ion:202 Resp: 4512

Ion Ratio Lower Upper

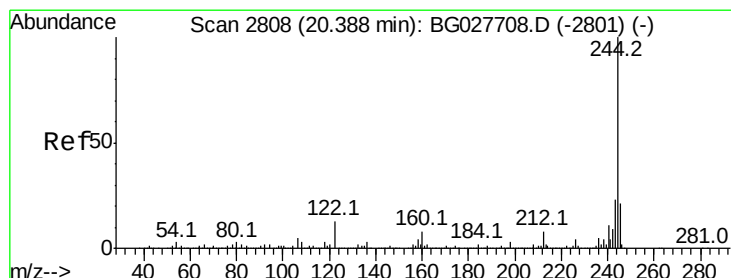
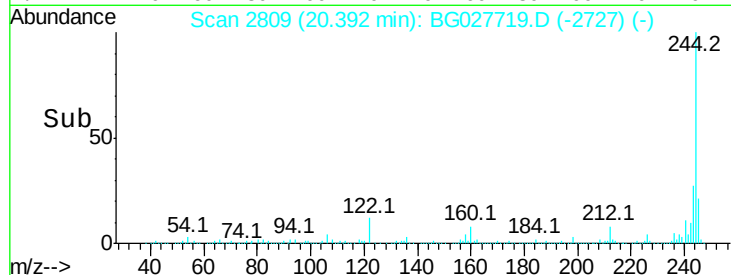
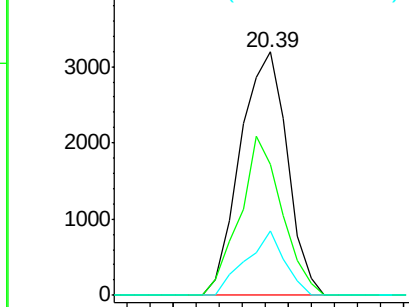
202 100

200 53.8 19.6 29.4#

203 26.4 15.8 23.8#



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 112.03 ng

RT: 20.39 min Scan# 2808

Delta R.T. -0.00 min

Lab File: BG027719.D

Acq: 28 Jun 2017 21:28

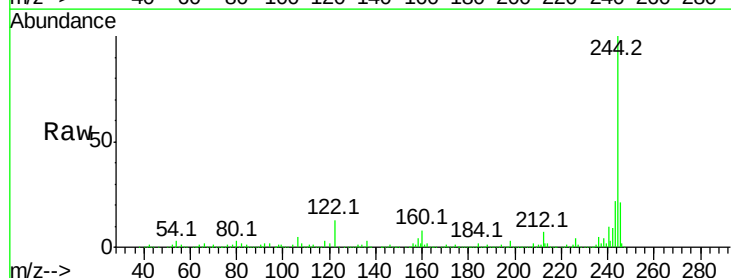
Tgt Ion:244 Resp: 1314207

Ion Ratio Lower Upper

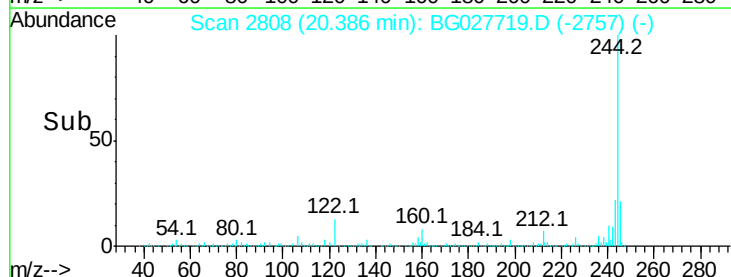
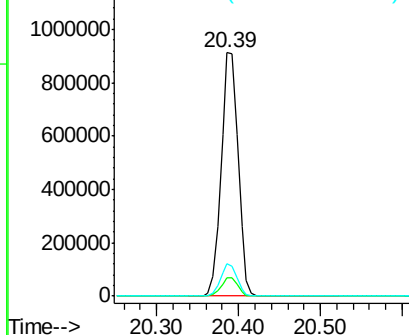
244 100

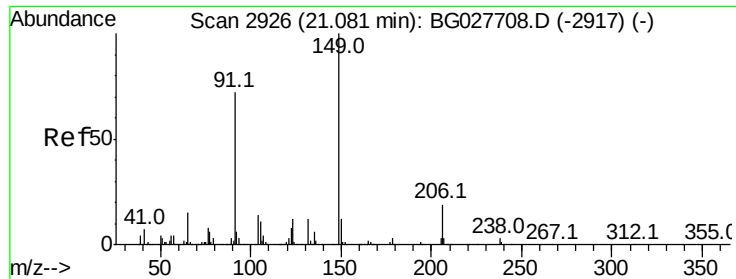
212 7.5 10.0 15.0#

122 13.4 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

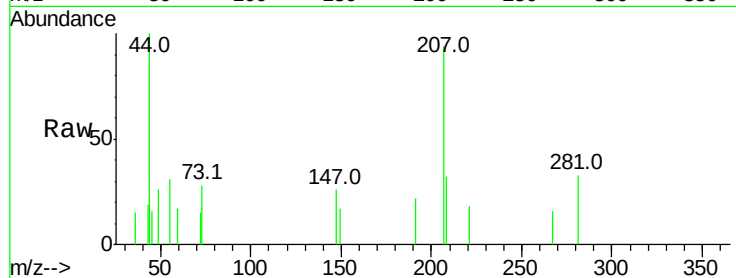




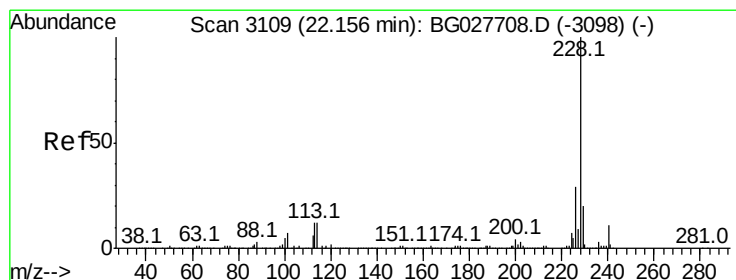
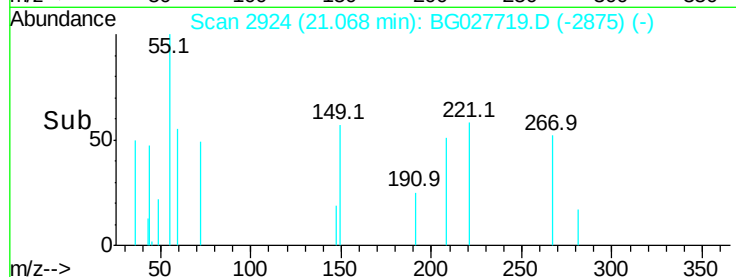
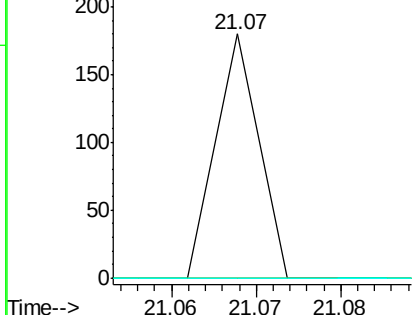
#79
Butylbenzylphthalate
Concen: 0.01 ng
RT: 21.07 min Scan# 2924
Delta R.T. -0.01 min
Lab File: BG027719.D
Acq: 28 Jun 2017 21:28

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
149	100		
91	0.0	63.5	95.3#
206	0.0	21.0	31.6#

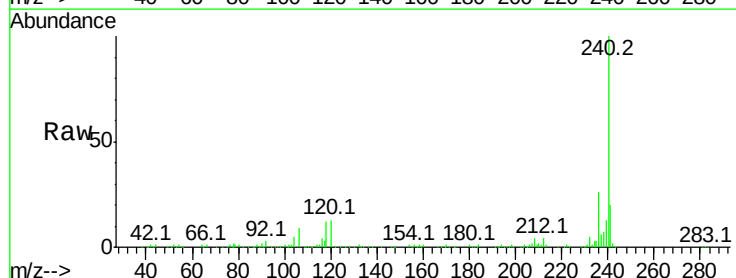


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BGC
Ion 206.00 (205.70 to 206.70): E

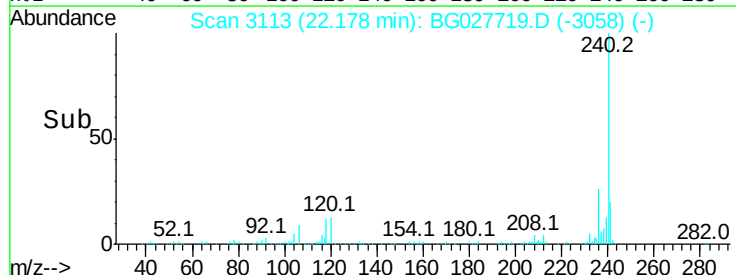
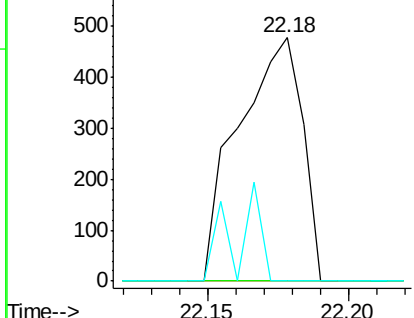


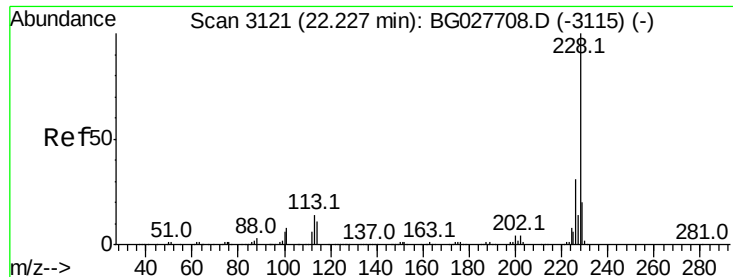
#80
Benzo(a)anthracene
Concen: 0.05 ng
RT: 22.18 min Scan# 3113
Delta R.T. 0.02 min
Lab File: BG027719.D
Acq: 28 Jun 2017 21:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	0.0	24.9	37.3#
229	0.0	18.2	27.2#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 0.05 ng

RT: 22.18 min Scan# 3113

Delta R.T. -0.05 min

Lab File: BG027719.D

Acq: 28 Jun 2017 21:28

Instrument :

BNA_G

ClientSampleId :

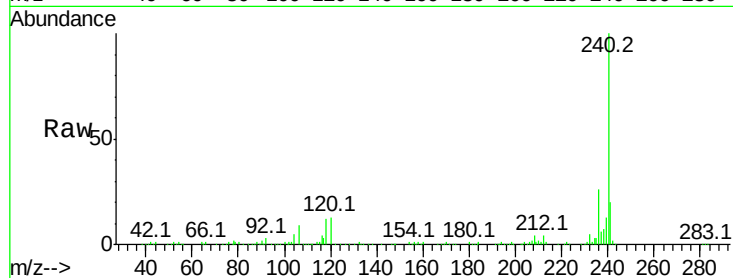
Tot Ion:228 Resp: 750

Ion Ratio Lower Upper

228 100

226 0.0 27.0 40.4#

229 0.0 17.8 26.6#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

22.18

400

300

200

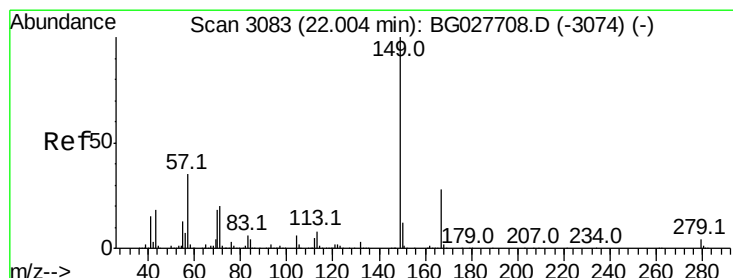
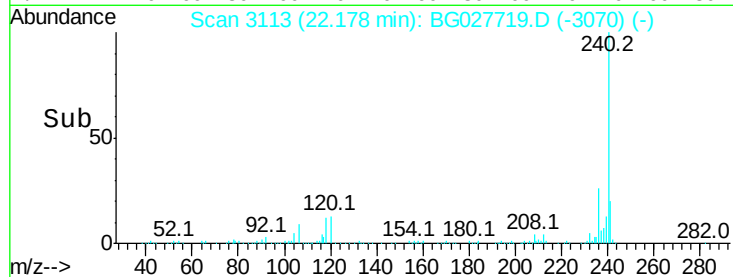
100

0

22.15

22.20

Time-->



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.07 ng

RT: 22.00 min Scan# 3083

Delta R.T. -0.00 min

Lab File: BG027719.D

Acq: 28 Jun 2017 21:28

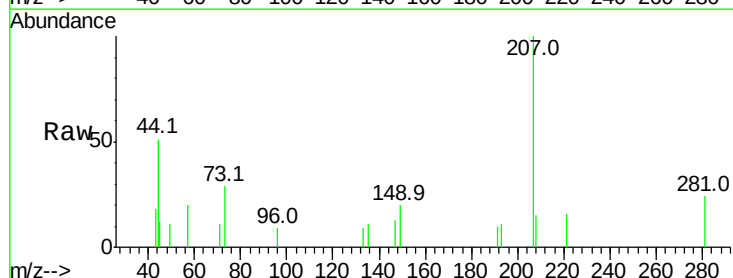
Tgt Ion:149 Resp: 822

Ion Ratio Lower Upper

149 100

167 0.0 23.7 35.5#

279 0.0 4.6 6.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

22.00

400

300

200

100

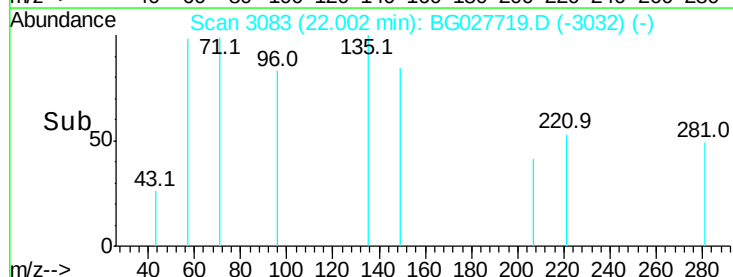
0

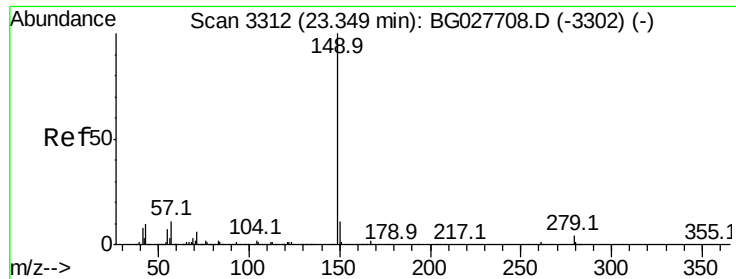
21.95

22.00

22.05

Time-->





#84

Di-n-octyl phthalate

Concen: 0.01 ng

RT: 23.34 min Scan# 3310

Delta R.T. -0.01 min

Lab File: BG027719.D

Acq: 28 Jun 2017 21:28

Instrument :

BNA_G

ClientSampled :

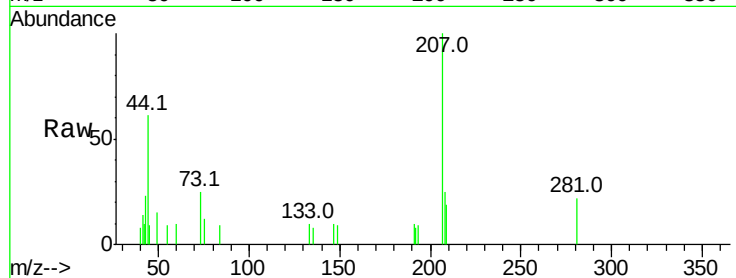
Tot Ion:149 Resp: 118

Ion Ratio Lower Upper

149 100

167 0.0 1.4 2.2#

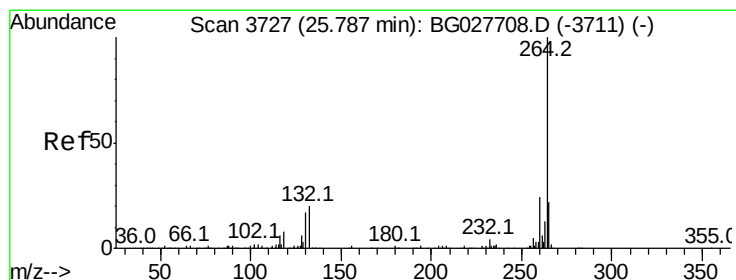
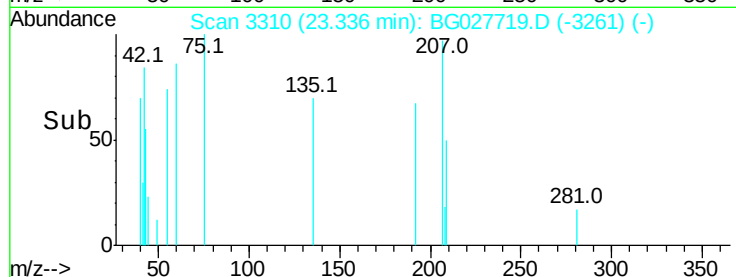
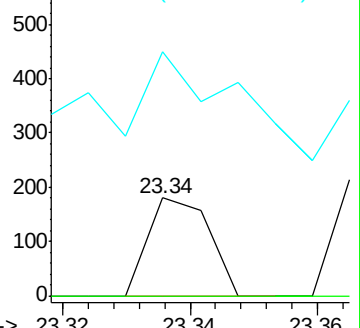
43 155.9 11.8 17.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.78 min Scan# 3726

Delta R.T. -0.01 min

Lab File: BG027719.D

Acq: 28 Jun 2017 21:28

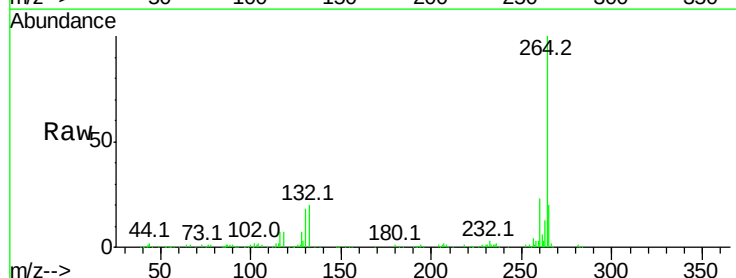
Tgt Ion:264 Resp: 261841

Ion Ratio Lower Upper

264 100

260 22.5 21.8 32.8

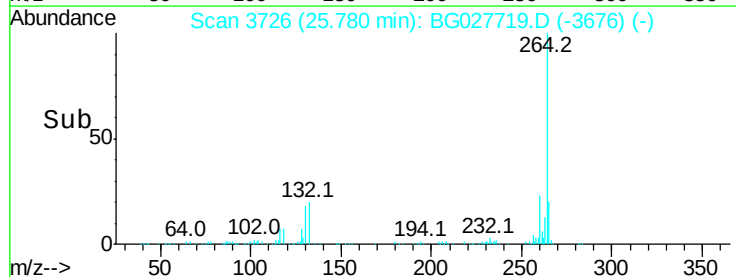
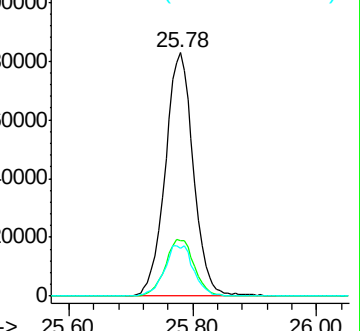
265 19.8 18.2 27.4

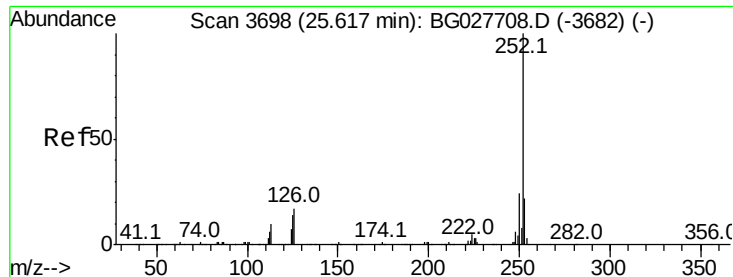


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#89

Benzo(a)pyrene

Concen: 0.04 ng

RT: 25.78 min Scan# 3726

Delta R.T. 0.16 min

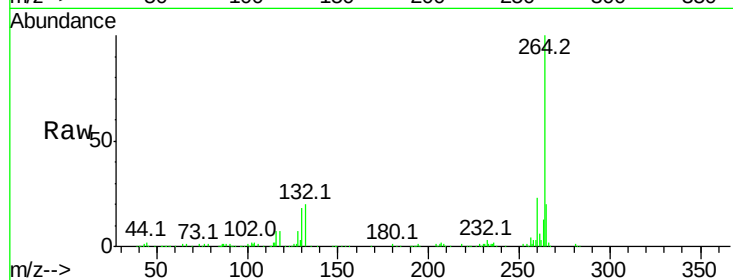
Lab File: BG027719.D

Acq: 28 Jun 2017 21:28

Instrument :

BNA_G

ClientSampleId :



Tot Ion:	252	Resp:	672
Ion	Ratio	Lower	Upper
252	100		
253	0.0	19.2	28.8#
125	0.0	5.4	8.0#

