

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041619\
 Data File : BG040520.D
 Acq On : 17 Apr 2019 2:54
 Operator : JU/SJ
 Sample : PB118938BL
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 17 04:58:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG032719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 28 05:47:00 2019
 Response via : Initial Calibration

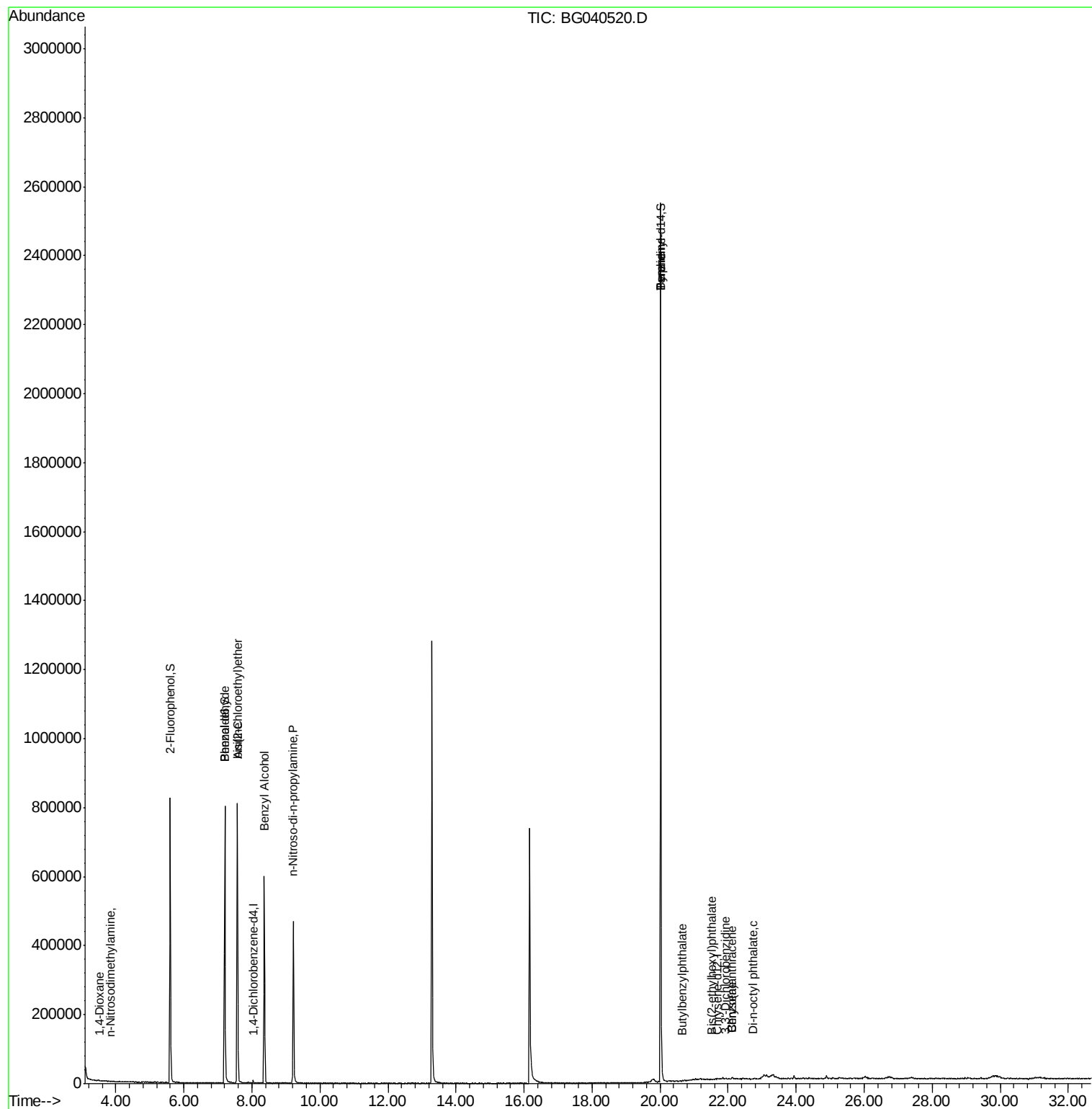
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	2136	20.00	ng	-0.03
21) Naphthalene-d8	0.00	136	0	0.00	ng	-10.88
39) Acenaphthene-d10	0.00	164	0	0.00	ng	-14.70
64) Phenanthrene-d10	0.00	188	0	0.00	ng	-17.45
76) Chrysene-d12	21.67	240	68	20.00	ng	-0.06
87) Perylene-d12	0.00	264	0	0.00	ng	-25.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	364975	2840.54	ng	-0.02
7) Phenol-d6	7.20	99	498250	2805.90	ng	-0.02
23) Nitrobenzene-d5	9.22	82	303315	0.00	ng	-0.03
42) 2,4,6-Tribromophenol	16.16	330	161250	0.00	ng	-0.03
45) 2-Fluorobiphenyl	13.30	172	729115	0.00	ng	-0.03
79) Terphenyl-d14	20.02	244	1232458	407735.72	ng	-0.03
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.52	88	148	2.450	ng	# 1
4) n-Nitrosodimethylamine	3.84	42	234	3.110	ng	# 1
6) Aniline	7.57	93	507	2.198	ng	# 1
9) Benzaldehyde	7.20	77	1011	8.300	ng	# 2
11) bis(2-Chloroethyl)ether	7.57	93	507	3.284	ng	# 1
15) Benzyl Alcohol	8.36	79	4810	33.635	ng	# 57
19) n-Nitroso-di-n-propylamine	9.22	70	36809	289.117	ng	# 73
77) Benzidine	20.02	184	18918	7704.164	ng	# 94
78) Pyrene	20.02	202	4844	1083.241	ng	# 62
80) Butylbenzylphthalate	20.66	149	56	29.265	ng	# 23
81) Benzo(a)anthracene	22.11	228	198	47.273	ng	# 1
82) 3,3'-Dichlorobenzidine	21.92	252	75	47.072	ng	# 26
83) Chrysene	22.11	228	198	49.188	ng	# 7
84) Bis(2-ethylhexyl)phthalate	21.53	149	120	43.870	ng	# 50
85) Di-n-octyl phthalate	22.75	149	156	33.474	ng	# 1

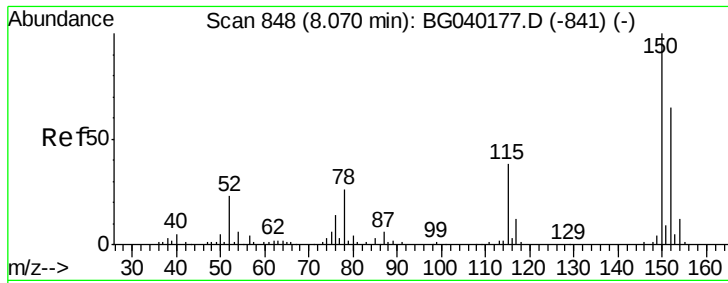
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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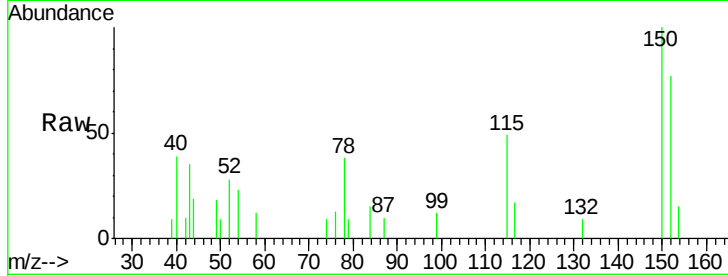


#1

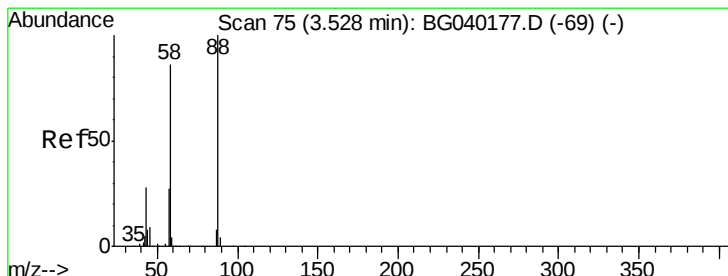
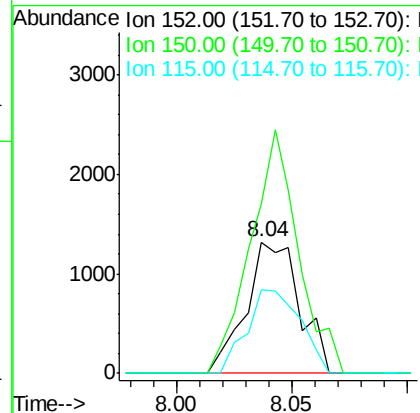
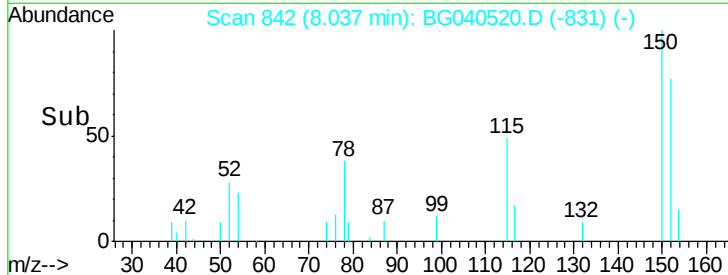
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 842
Delta R.T. -0.03 min
Lab File: BG040520.D
Acq: 17 Apr 2019 2:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 2136
Ion Ratio Lower Upper
152 100
150 129.8 123.7 185.5
115 63.9 46.9 70.3



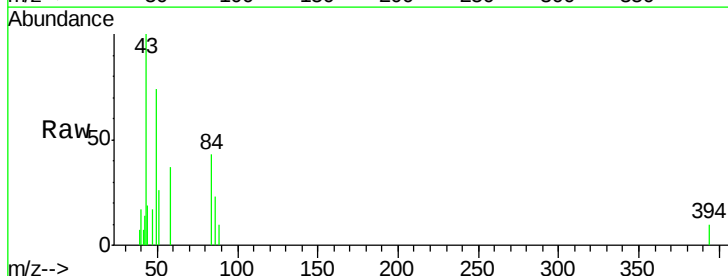
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



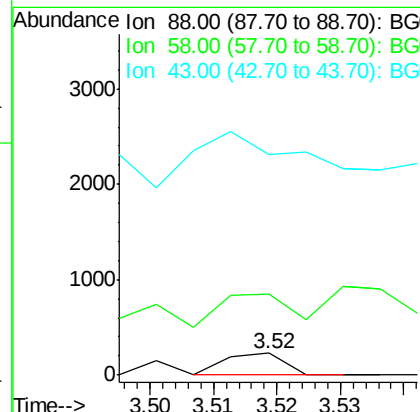
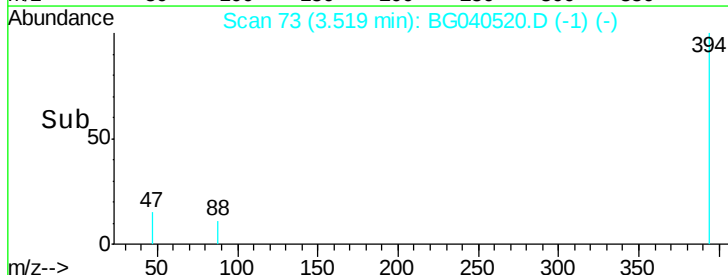
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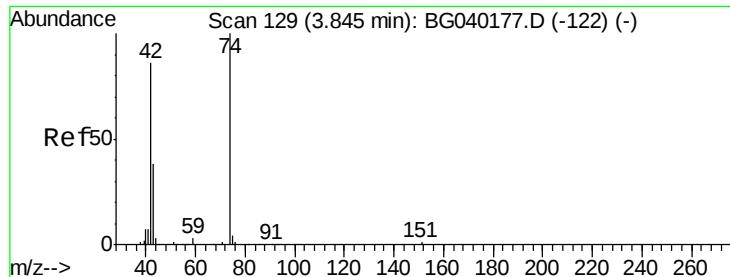
1,4-Dioxane
Concen: 2.450 ng
RT: 3.52 min Scan# 73
Delta R.T. -0.01 min
Lab File: BG040520.D
Acq: 17 Apr 2019 2:54

Tgt Ion: 88 Resp: 148
Ion Ratio Lower Upper
88 100
58 184.5 70.6 106.0#
43 505.4 24.8 37.2#



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



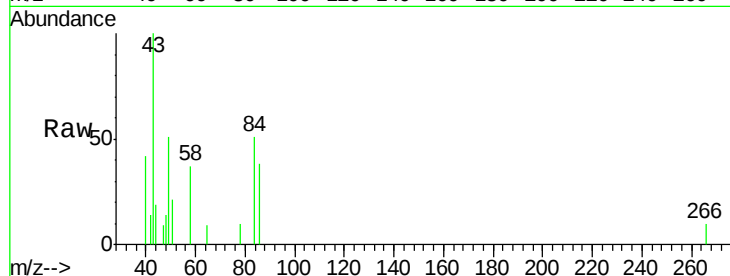


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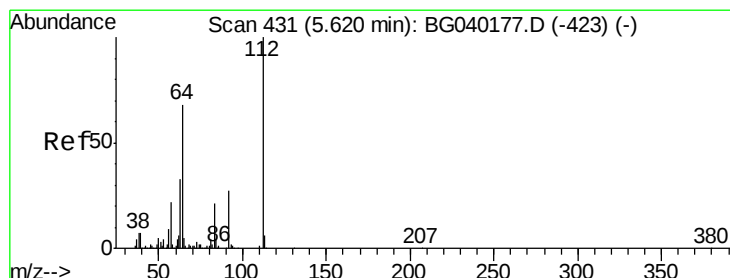
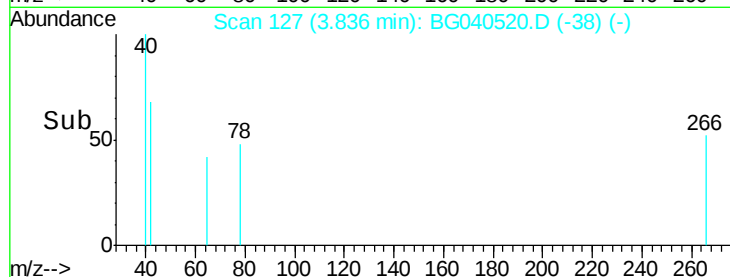
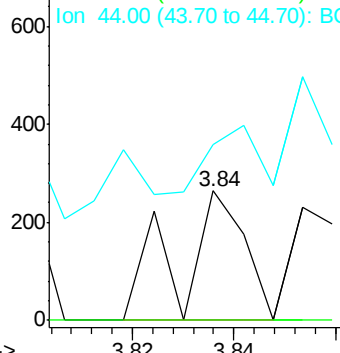
n-Nitrosodimethylamine
 Concen: 3.110 ng
 RT: 3.84 min Scan# 127
 Delta R.T. -0.01 min
 Lab File: BG040520.D
 Acq: 17 Apr 2019 2:54

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
42	100		
74	0.0	92.9	139.3#
44	136.4	9.7	14.5#



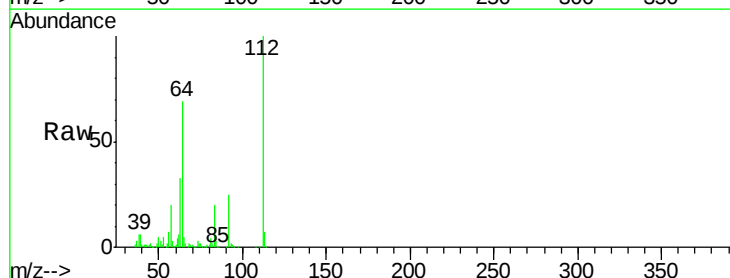
Abundance Ion 42.00 (41.70 to 42.70): BGC
 Ion 74.00 (73.70 to 74.70): BGC
 Ion 44.00 (43.70 to 44.70): BGC



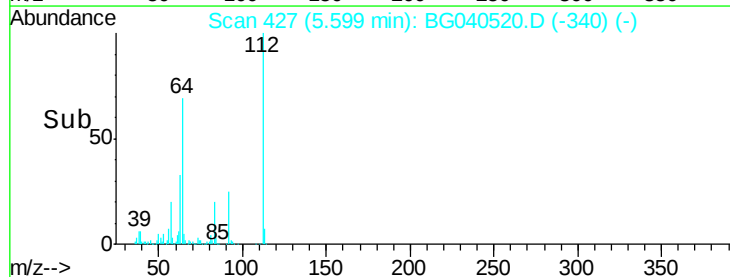
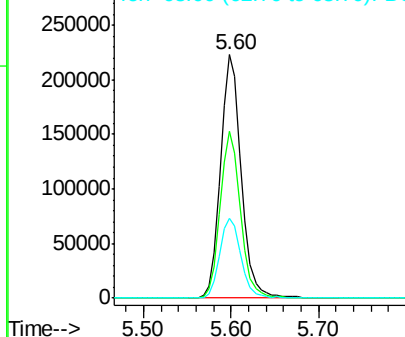
#5

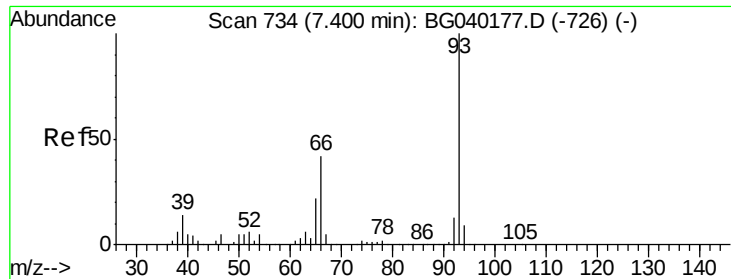
2-Fluorophenol
 Concen: 2840.538 ng
 RT: 5.60 min Scan# 427
 Delta R.T. -0.02 min
 Lab File: BG040520.D
 Acq: 17 Apr 2019 2:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.6	54.2	81.2
63	32.5	26.4	39.6



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





#6

Aniline

Concen: 2.198 ng

RT: 7.57 min Scan# 763

Delta R.T. 0.17 min

Lab File: BG040520.D

Acq: 17 Apr 2019 2:54

Instrument :

BNA_G

ClientSampleId :

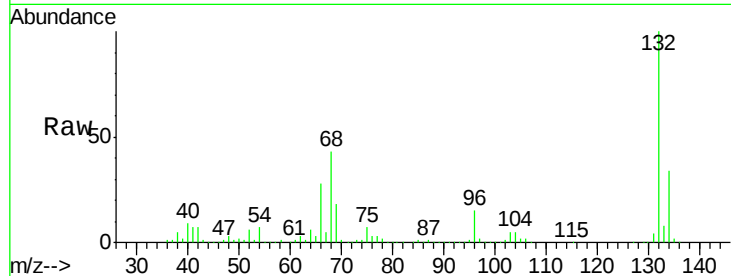
Tot Ion: 93 Resp: 507

Ion Ratio Lower Upper

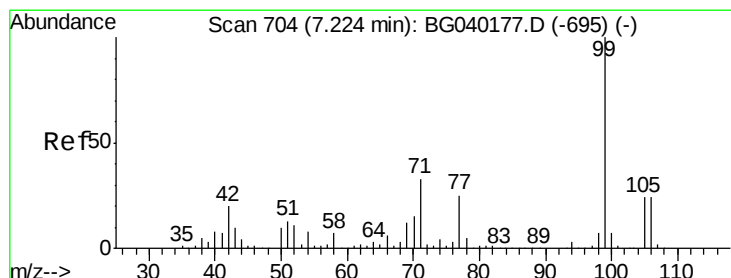
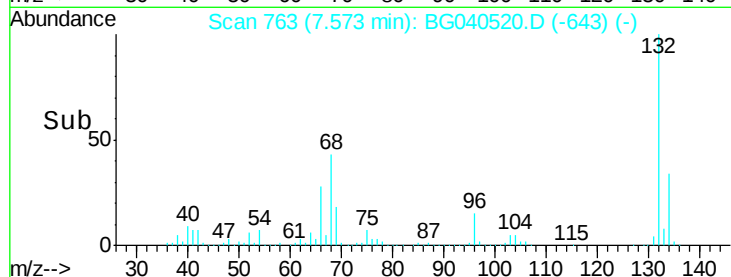
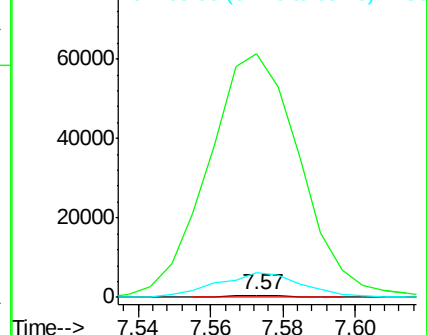
93 100

66 11105.8 33.6 50.4#

65 1129.9 17.4 26.2#



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: 2805.896 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.02 min

Lab File: BG040520.D

Acq: 17 Apr 2019 2:54

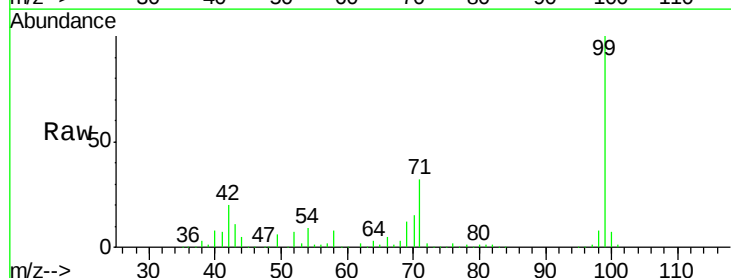
Tgt Ion: 99 Resp: 498250

Ion Ratio Lower Upper

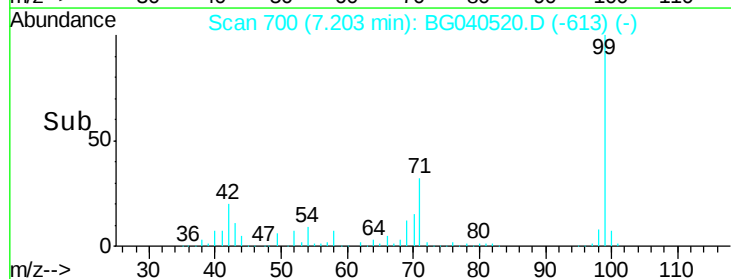
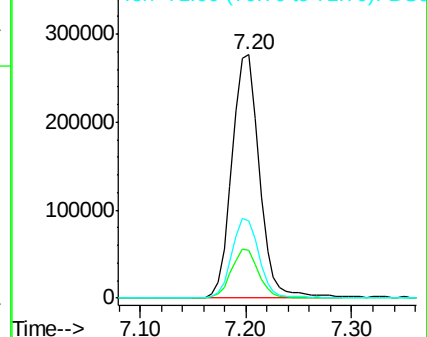
99 100

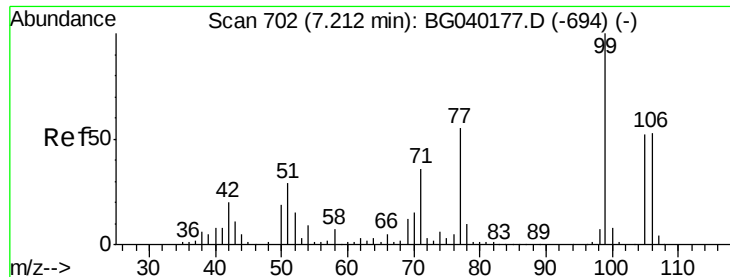
42 19.6 16.2 24.2

71 31.7 26.8 40.2



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

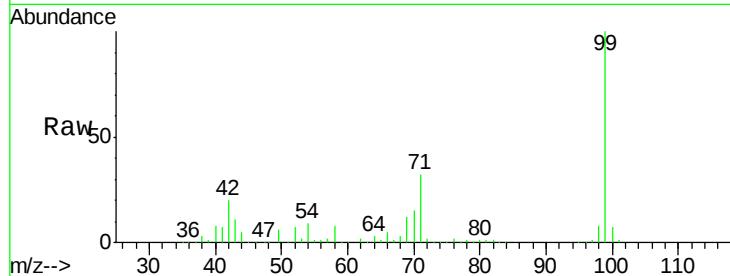




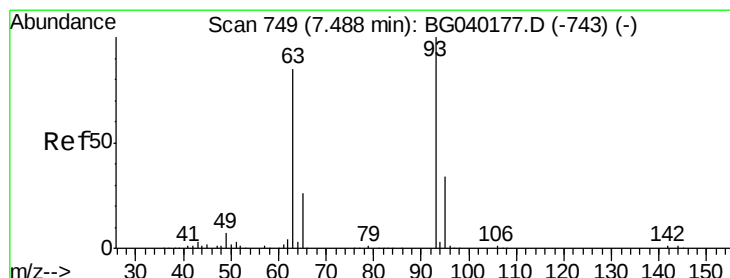
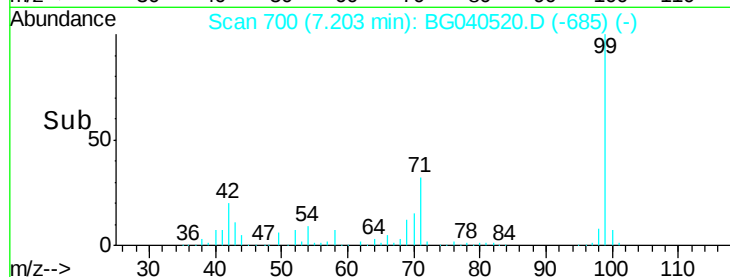
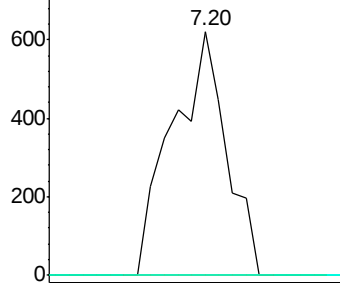
#9
Benzaldehyde
Concen: 8.300 ng
RT: 7.20 min Scan# 700
Delta R.T. -0.01 min
Lab File: BG040520.D
Acq: 17 Apr 2019 2:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 77 Resp: 1011
Ion Ratio Lower Upper
77 100
105 0.0 75.0 115.0#
106 0.0 75.7 115.7#

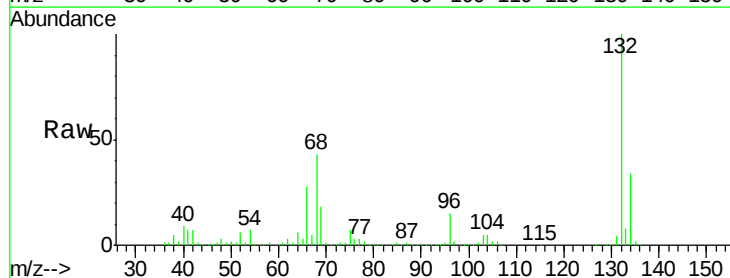


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC

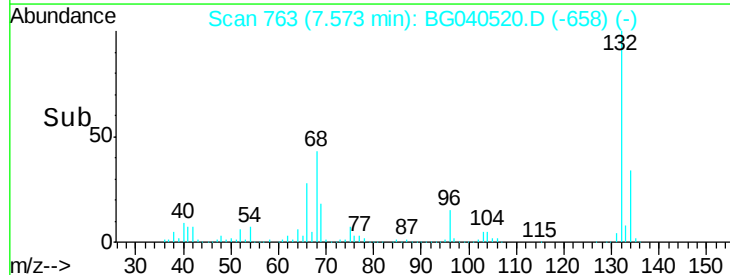
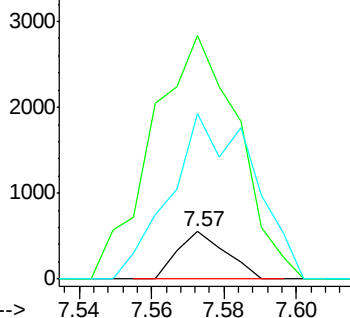


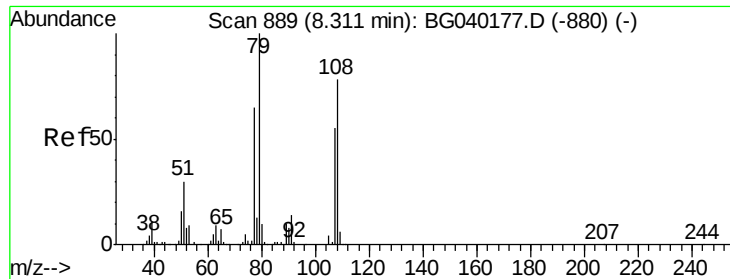
#11
bis(2-Chloroethyl)ether
Concen: 3.284 ng
RT: 7.57 min Scan# 763
Delta R.T. 0.08 min
Lab File: BG040520.D
Acq: 17 Apr 2019 2:54

Tgt Ion: 93 Resp: 507
Ion Ratio Lower Upper
93 100
63 513.6 64.2 104.2#
95 349.3 14.0 54.0#



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: 33.635 ng

RT: 8.36 min Scan# 897

Delta R.T. 0.05 min

Lab File: BG040520.D

Acq: 17 Apr 2019 2:54

Instrument :

BNA_G

ClientSampleId :

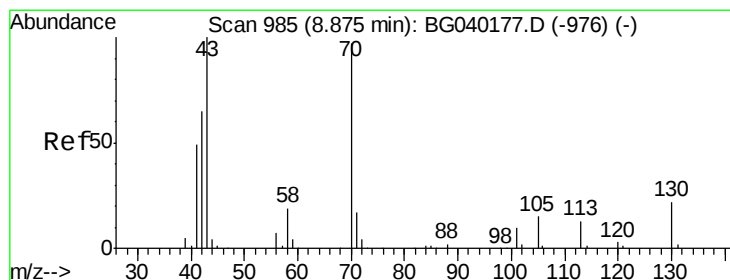
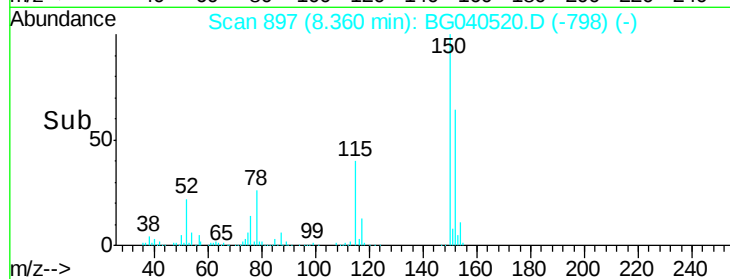
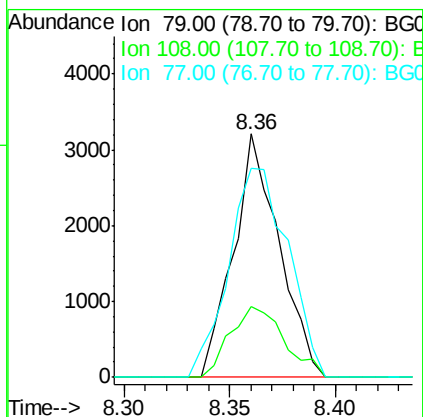
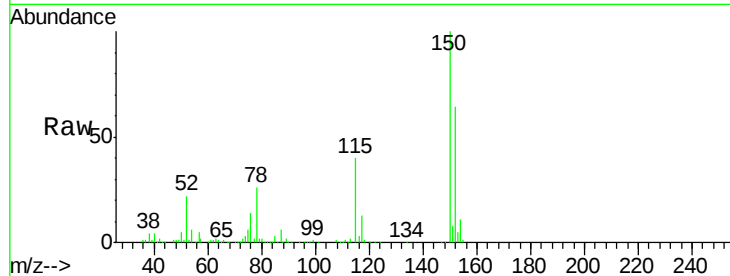
Tot Ion: 79 Resp: 4810

Ion Ratio Lower Upper

79 100

108 29.0 62.1 93.1#

77 86.0 51.9 77.9#



#19

n-Nitroso-di-n-propylamine

Concen: 289.117 ng

RT: 9.22 min Scan# 1043

Delta R.T. 0.34 min

Lab File: BG040520.D

Acq: 17 Apr 2019 2:54

Tgt Ion: 70 Resp: 36809

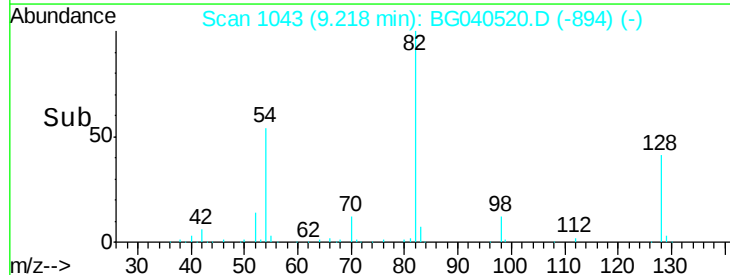
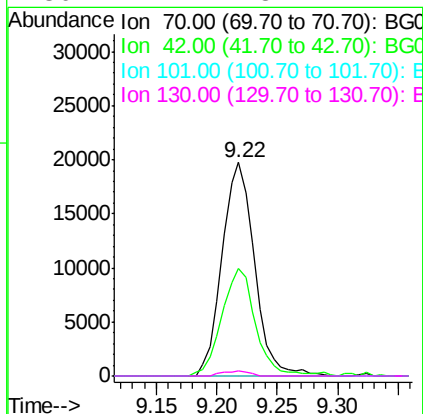
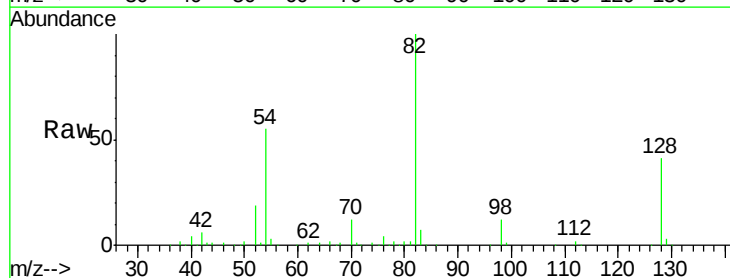
Ion Ratio Lower Upper

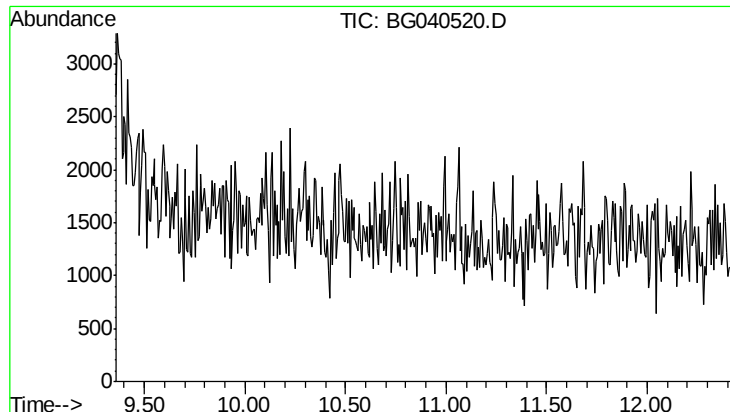
70 100

42 50.4 54.0 81.0#

101 0.0 8.6 13.0#

130 2.2 18.2 27.2#

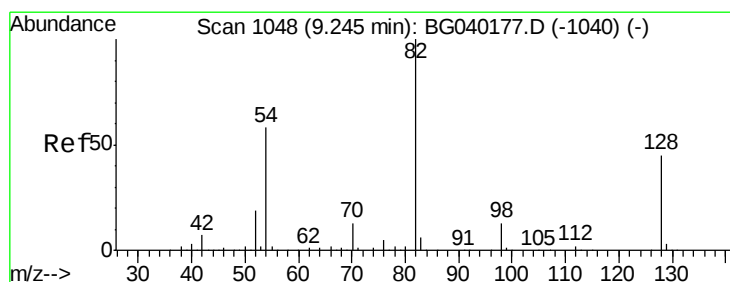
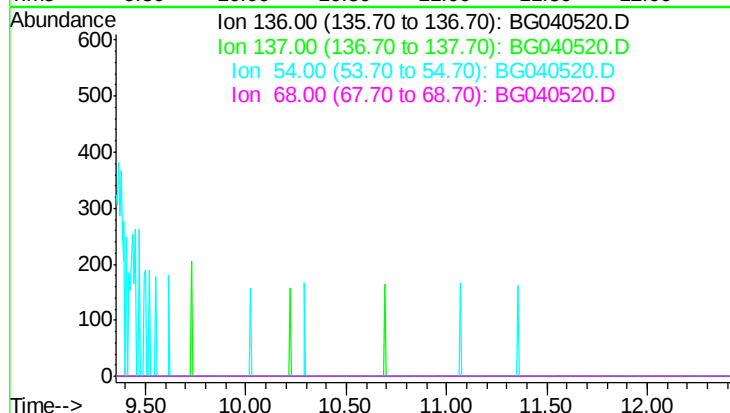




#21
Naphthalene-d8
Concen: 0.000 ng
Expected RT: 10.88 min
Lab File: BG040520.D
Acq: 17 Apr 2019 2:54

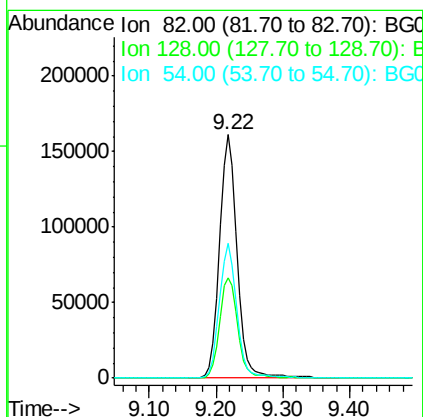
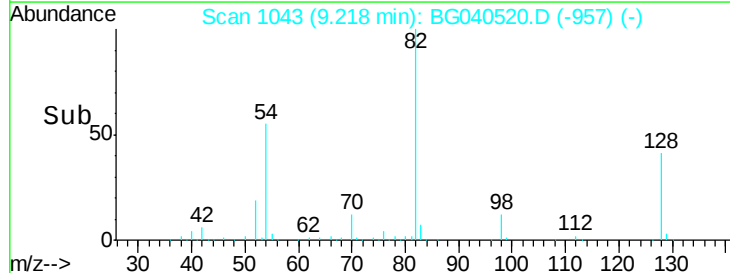
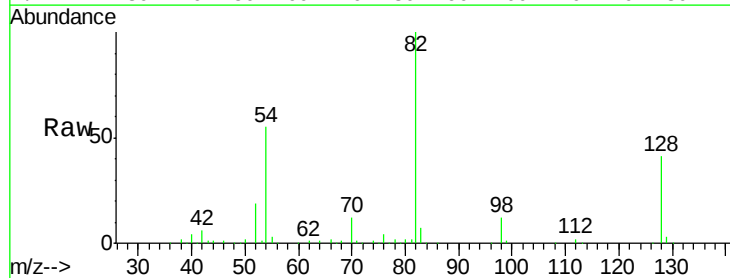
Instrument :
BNA_G
ClientSampleId :

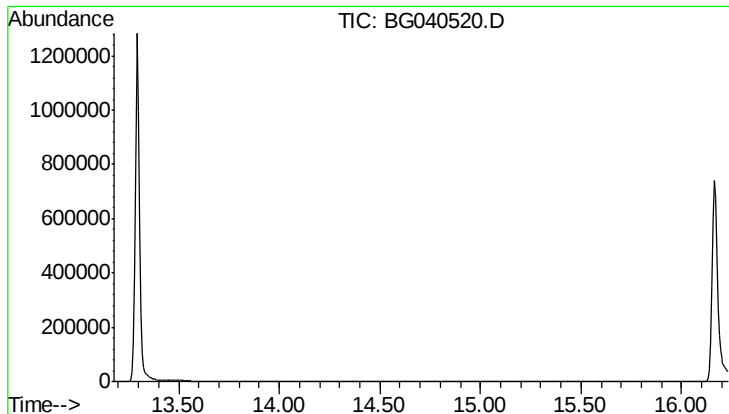
Tot Ion: 136
Sig Exp Ratio
136 100
137 11.1
54 12.0
68 6.4



#23
Nitrobenzene-d5
Concen: 0.000 ng
RT: 9.22 min Scan# 1043
Delta R.T. -0.03 min
Lab File: BG040520.D
Acq: 17 Apr 2019 2:54

Tgt Ion: 82 Resp: 303315
Ion Ratio Lower Upper
82 100
128 41.4 35.8 53.8
54 55.3 46.2 69.2

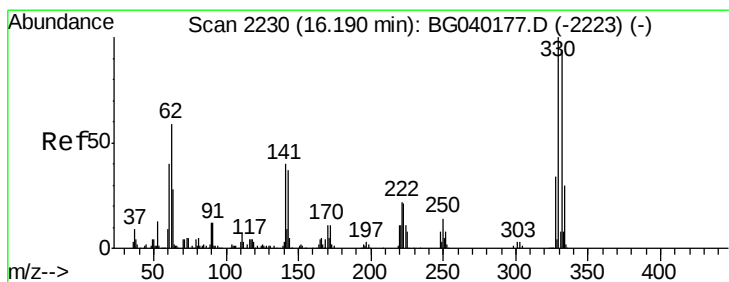
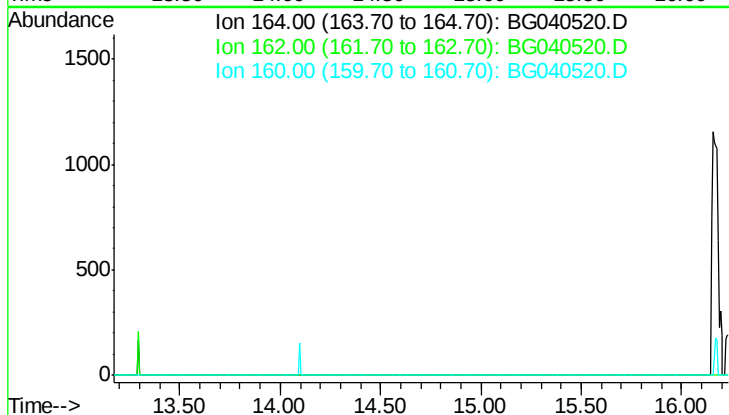




#39
 Acenaphthene-d10
 Concen: 0.000 ng
 Expected RT: 14.70 min
 Lab File: BG040520.D
 Acq: 17 Apr 2019 2:54

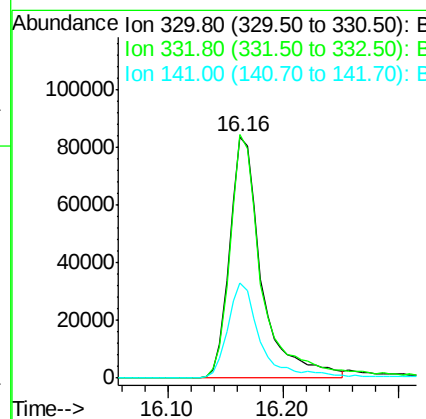
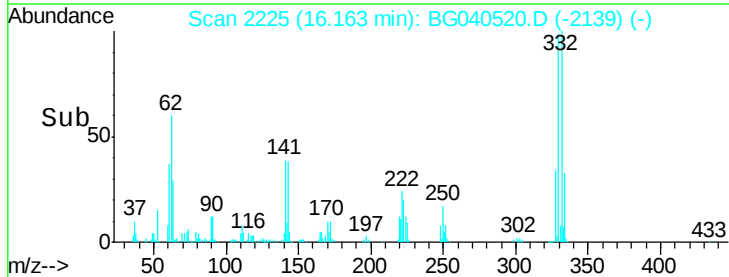
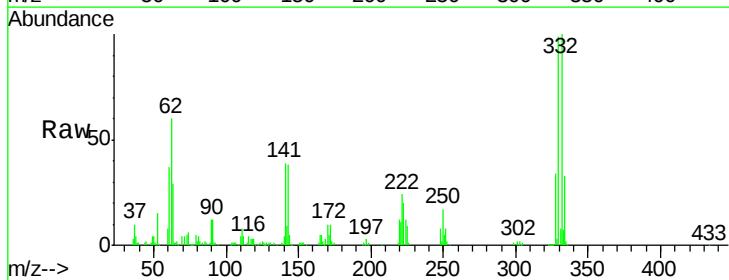
Instrument :
 BNA_G
 ClientSampleId :

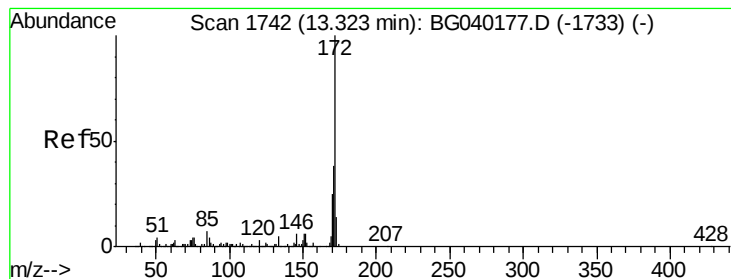
Tot Ion: 164
 Sig Exp Ratio
 164 100
 162 96.8
 160 44.1



#42
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.03 min
 Lab File: BG040520.D
 Acq: 17 Apr 2019 2:54

Tgt Ion: 330 Resp: 161250
 Ion Ratio Lower Upper
 330 100
 332 102.5 76.6 115.0
 141 39.9 32.6 48.8





#45

2-Fluorobiphenyl

Concen: 0.000 ng

RT: 13.30 min Scan# 1737

Delta R.T. -0.03 min

Lab File: BG040520.D

Acq: 17 Apr 2019 2:54

Instrument :

BNA_G

ClientSampleId :

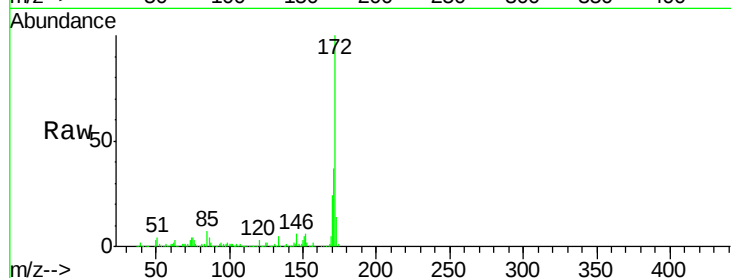
Tot Ion:172 Resp: 729115

Ion Ratio Lower Upper

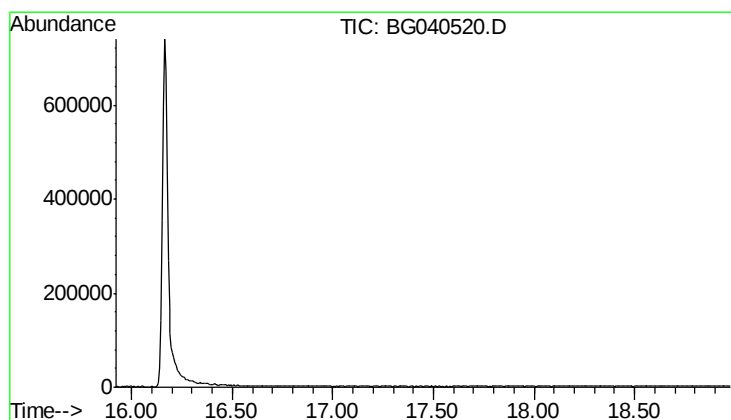
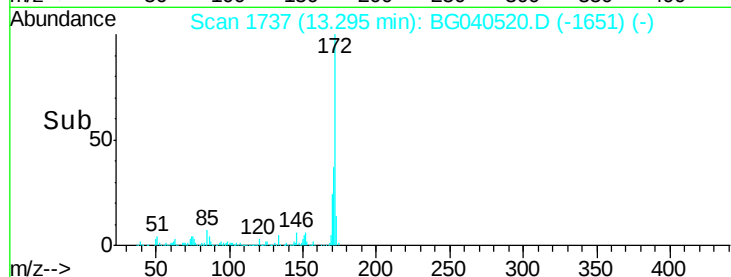
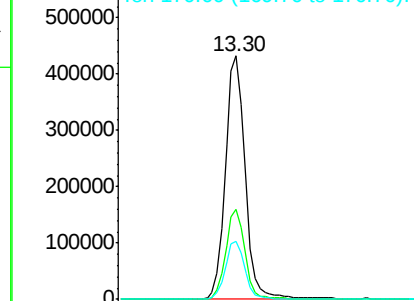
172 100

171 37.2 30.5 45.7

170 23.6 20.1 30.1



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



#64

Phenanthrene-d10

Concen: 0.000 ng

Expected RT: 17.45 min

Lab File: BG040520.D

Acq: 17 Apr 2019 2:54

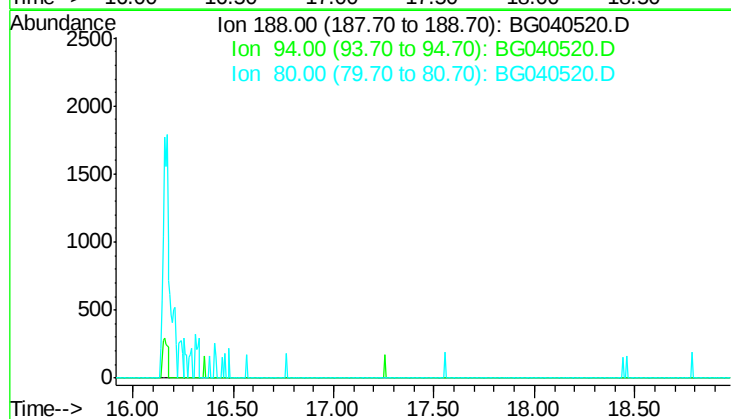
Tgt Ion: 188

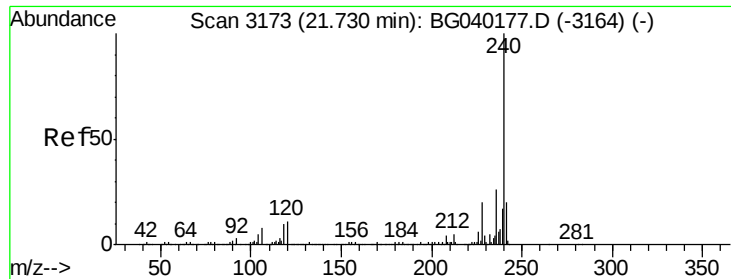
Sig Exp Ratio

188 100

94 8.7

80 10.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.67 min Scan# 3162

Delta R.T. -0.06 min

Lab File: BG040520.D

Acq: 17 Apr 2019 2:54

Instrument :

BNA_G

ClientSampleId :

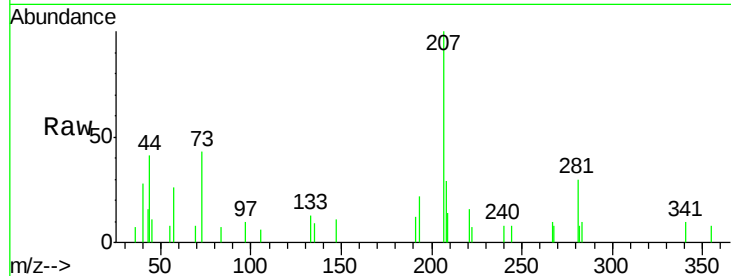
Tot Ion:240 Resp: 68

Ion Ratio Lower Upper

240 100

120 0.0 8.4 12.6#

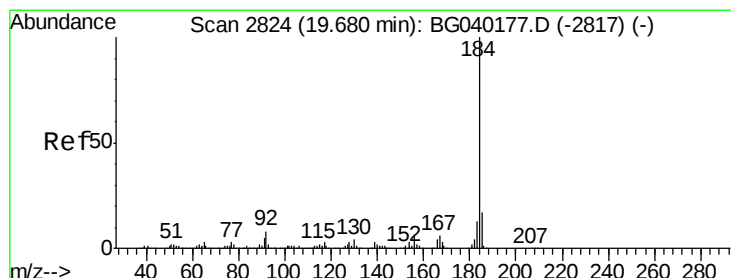
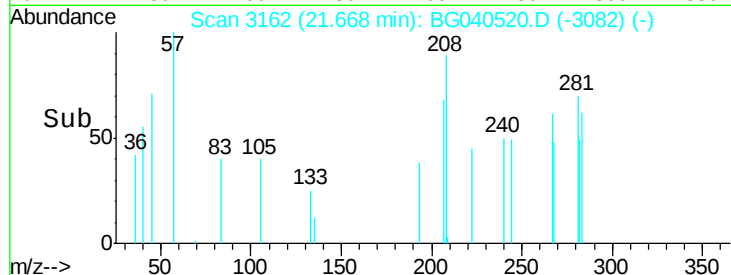
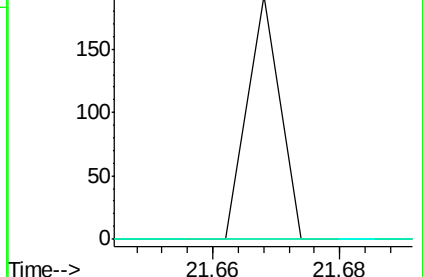
236 0.0 20.8 31.2#



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



#77

Benzidine

Concen: 7704.164 ng

RT: 20.02 min Scan# 2881

Delta R.T. 0.34 min

Lab File: BG040520.D

Acq: 17 Apr 2019 2:54

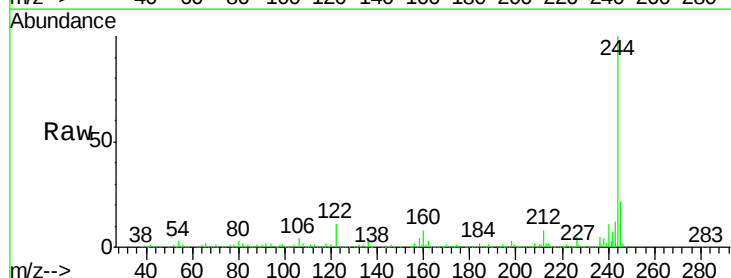
Tgt Ion:184 Resp: 18918

Ion Ratio Lower Upper

184 100

185 15.1 13.3 19.9

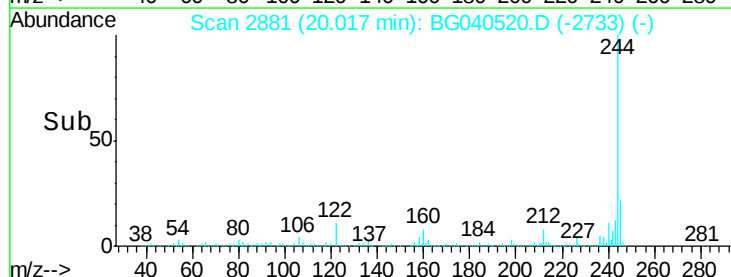
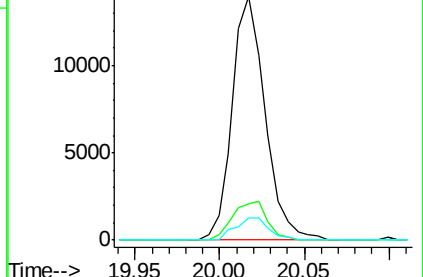
183 9.1 10.3 15.5#

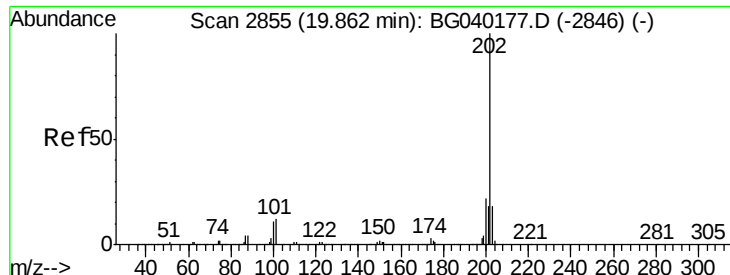


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

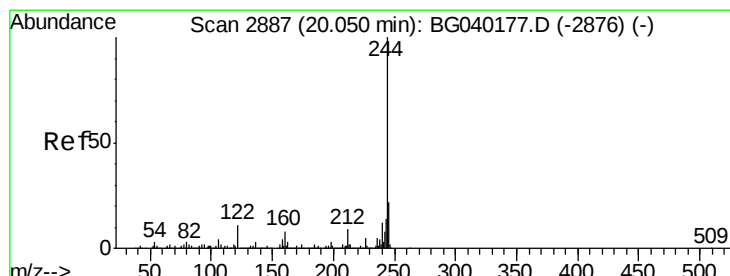
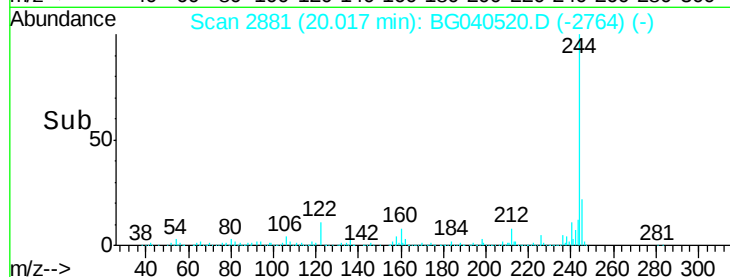
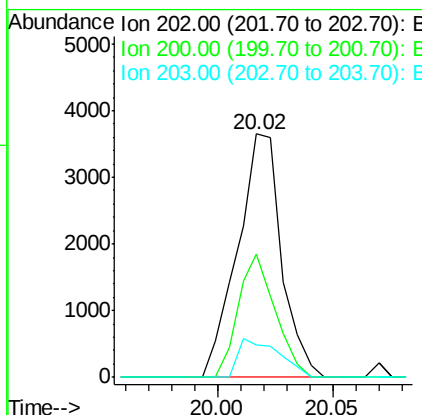
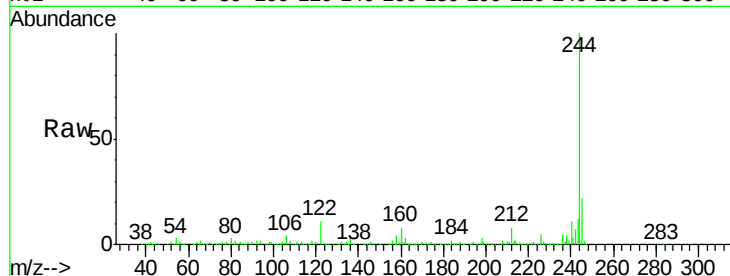




#78
Pvrene
Concen: 1083.241 ng
RT: 20.02 min Scan# 2881
Delta R.T. 0.15 min
Lab File: BG040520.D
Acq: 17 Apr 2019 2:54

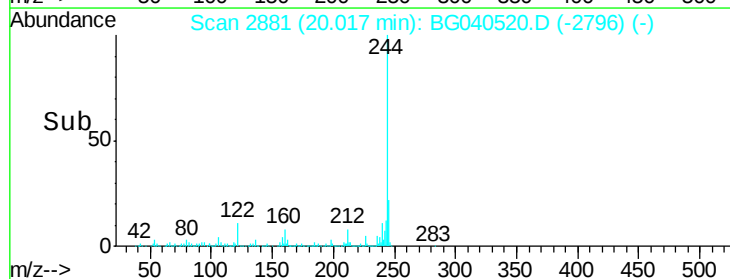
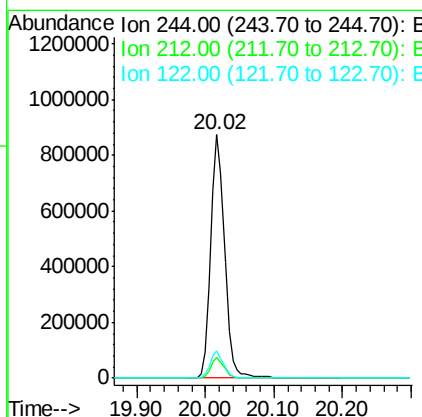
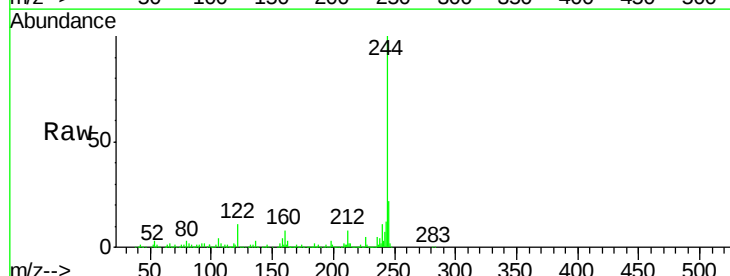
Instrument :
BNA_G
ClientSampleId :

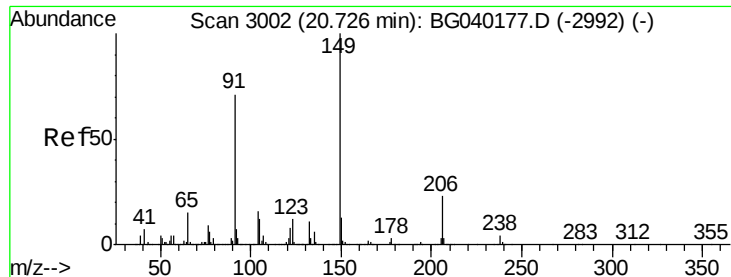
Tot Ion:202 Resp: 4844
Ion Ratio Lower Upper
202 100
200 50.6 17.3 25.9#
203 13.2 14.6 22.0#



#79
Terphenyl-d14
Concen: 407735.724 ng
RT: 20.02 min Scan# 2881
Delta R.T. -0.03 min
Lab File: BG040520.D
Acq: 17 Apr 2019 2:54

Tgt Ion:244 Resp: 1232458
Ion Ratio Lower Upper
244 100
212 8.4 7.0 10.6
122 11.0 8.5 12.7

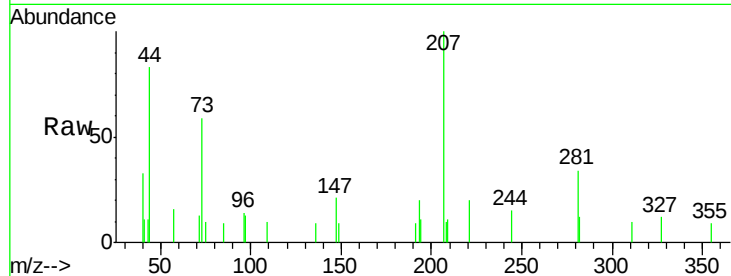




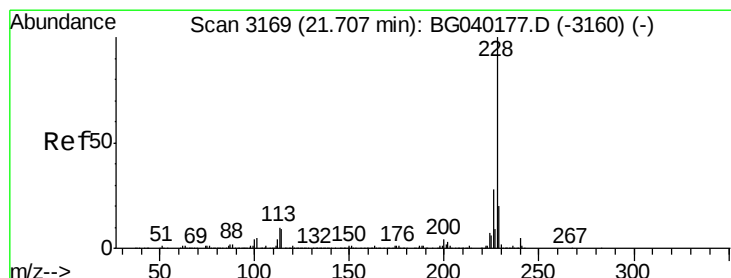
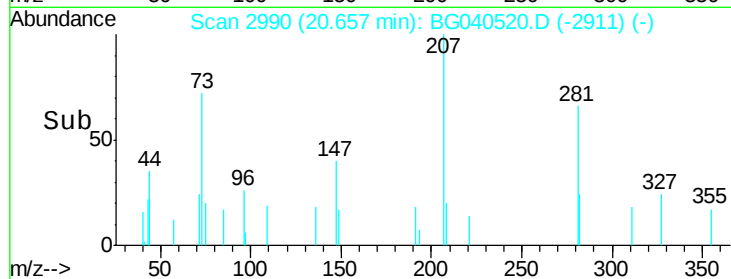
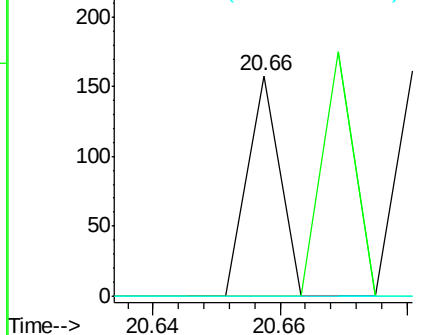
#80
 Butylbenzylphthalate
 Concen: 29.265 ng
 RT: 20.66 min Scan# 2990
 Delta R.T. -0.07 min
 Lab File: BG040520.D
 Acq: 17 Apr 2019 2:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	149	Resp:	56
Ion	Ratio	Lower	Upper
149	100		
91	0.0	57.0	85.4#
206	0.0	18.2	27.4#

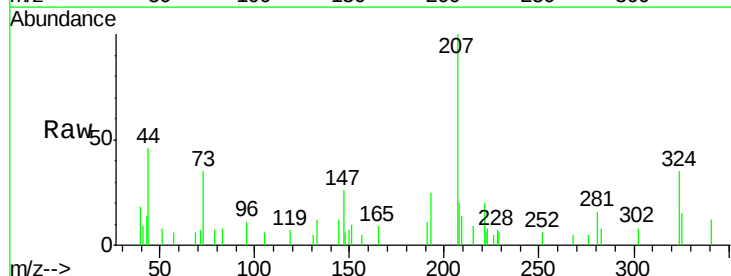


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 91.00 (90.70 to 91.70): BG
 Ion 206.00 (205.70 to 206.70): E

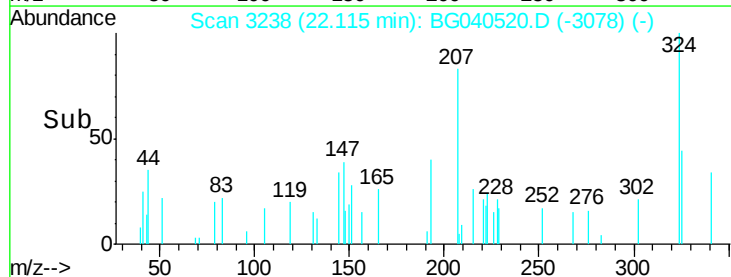
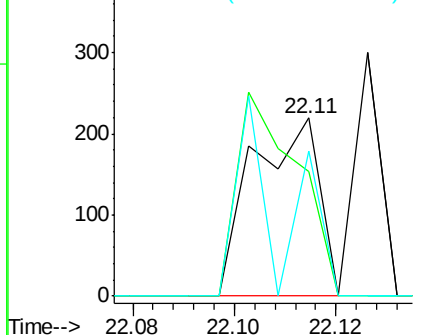


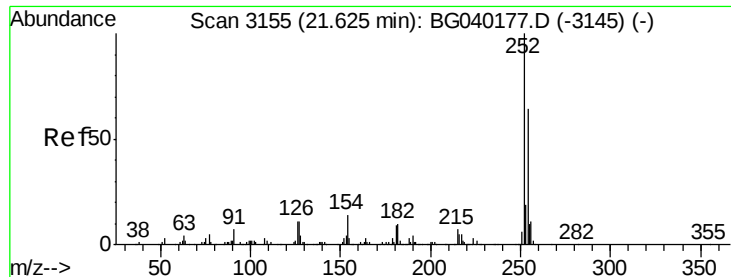
#81
 Benzo(a)anthracene
 Concen: 47.273 ng
 RT: 22.11 min Scan# 3238
 Delta R.T. 0.41 min
 Lab File: BG040520.D
 Acq: 17 Apr 2019 2:54

Tgt Ion:	228	Resp:	198
Ion	Ratio	Lower	Upper
228	100		
226	70.3	22.6	34.0#
229	81.7	16.1	24.1#



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

3,3'-Dichlorobenzidine

Concen: 47.072 ng

RT: 21.92 min Scan# 3205

Delta R.T. 0.30 min

Lab File: BG040520.D

Acq: 17 Apr 2019 2:54

Instrument :

BNA_G

ClientSampled :

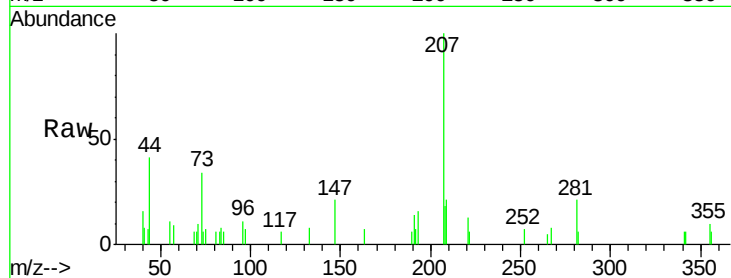
Tot Ion:252 Resp: 75

Ion Ratio Lower Upper

252 100

254 0.0 51.4 77.2#

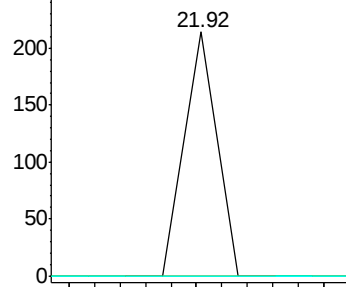
126 0.0 8.5 12.7#



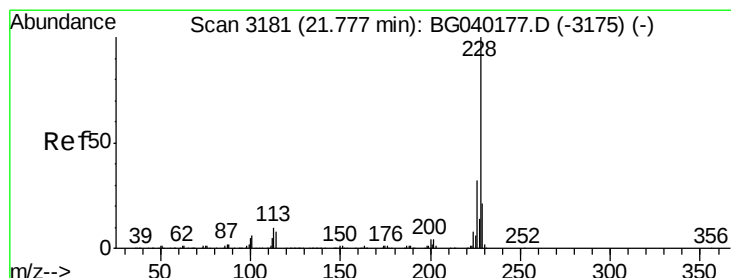
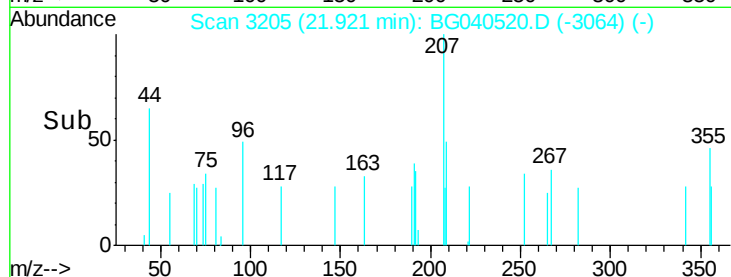
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



Time--> 21.90 21.92 21.94



#83

Chrysene

Concen: 49.188 ng

RT: 22.11 min Scan# 3238

Delta R.T. 0.34 min

Lab File: BG040520.D

Acq: 17 Apr 2019 2:54

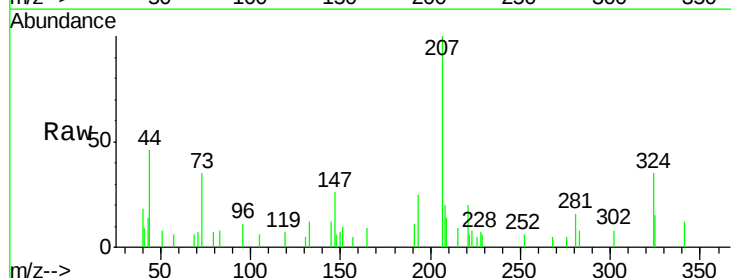
Tgt Ion:228 Resp: 198

Ion Ratio Lower Upper

228 100

226 70.3 25.4 38.0#

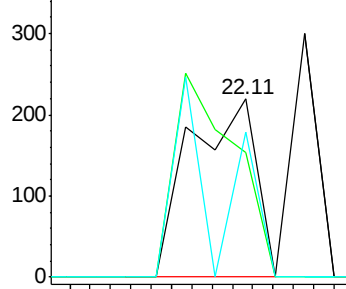
229 81.7 17.0 25.4#



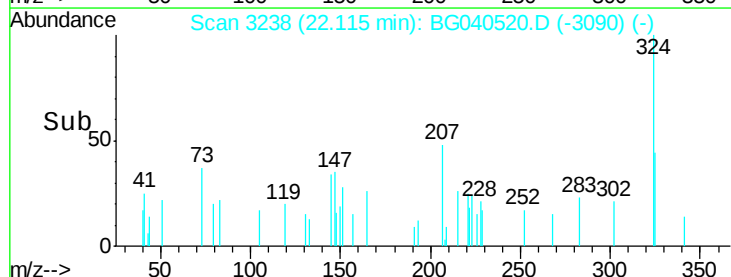
Abundance Ion 228.00 (227.70 to 228.70): E

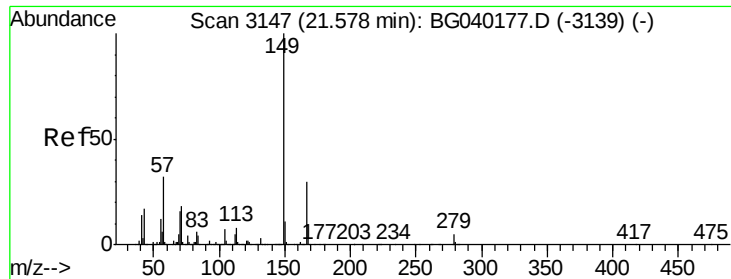
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time--> 22.08 22.10 22.12

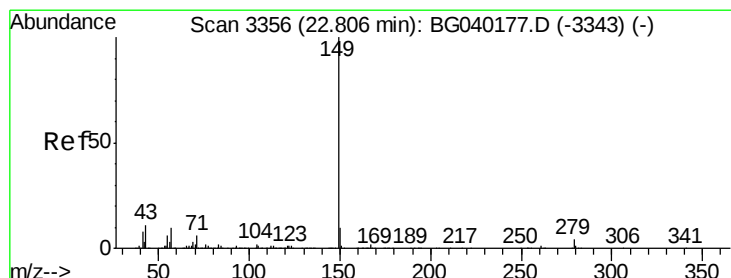
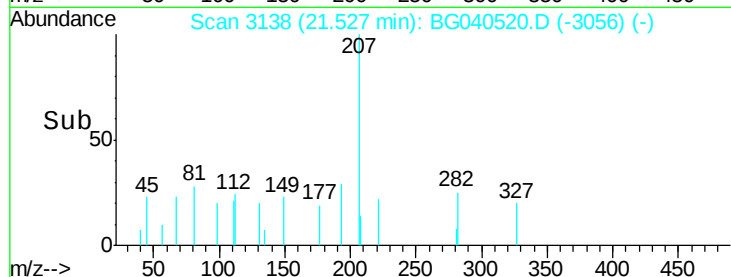
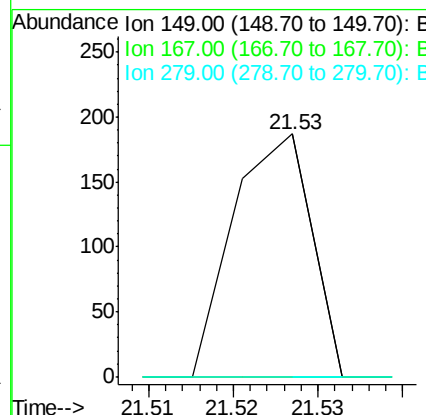
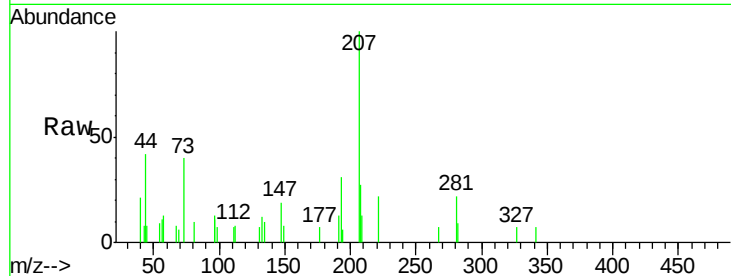




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 43.870 ng
 RT: 21.53 min Scan# 3138
 Delta R.T. -0.05 min
 Lab File: BG040520.D
 Acq: 17 Apr 2019 2:54

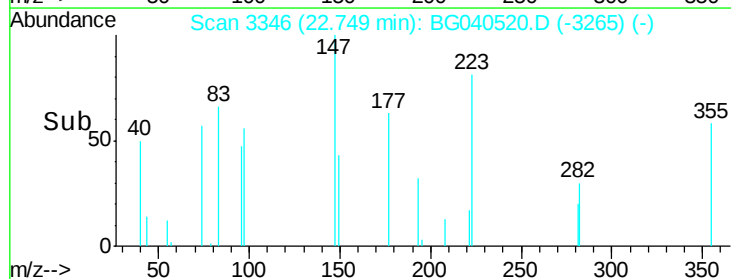
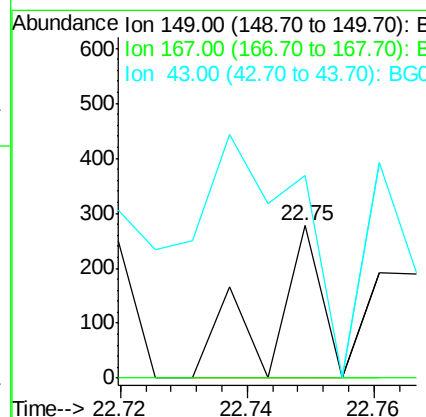
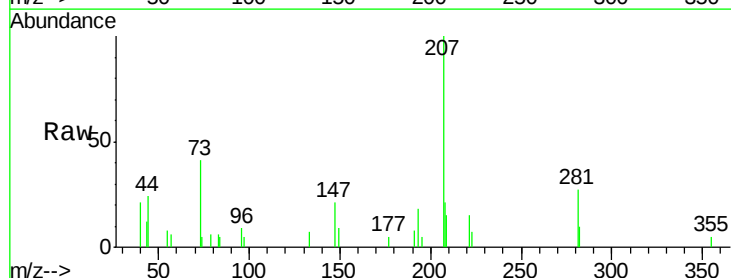
Instrument :
 BNA_G
 ClientSampled :

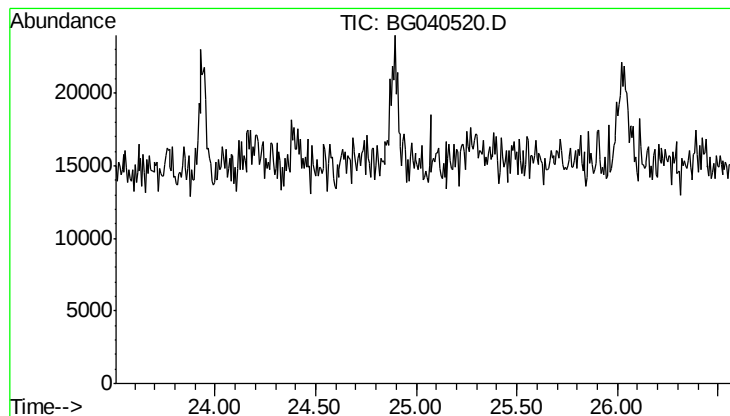
Tot Ion:149 Resp: 120
 Ion Ratio Lower Upper
 149 100
 167 0.0 24.1 36.1#
 279 0.0 4.1 6.1#



#85
 Di-n-octyl phthalate
 Concen: 33.474 ng
 RT: 22.75 min Scan# 3346
 Delta R.T. -0.06 min
 Lab File: BG040520.D
 Acq: 17 Apr 2019 2:54

Tgt Ion:149 Resp: 156
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.4 2.0#
 43 434.0 8.7 13.1#





#87
 Pervlene-d12
 Concen: 0.000 ng
 Expected RT: 25.03 min
 Lab File: BG040520.D
 Acq: 17 Apr 2019 2:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	264
Sig	Exp Ratio
264	100
260	22.4
265	21.0

