

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081919\
 Data File : BG042344.D
 Acq On : 20 Aug 2019 2:17
 Operator : HP/JU
 Sample : K4290-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 20 04:27:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG081919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 13:40:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	55312	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	218401	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	161577	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	360207	20.00	ng	0.00
76) Chrysene-d12	21.69	240	365392	20.00	ng	0.00
87) Perylene-d12	24.93	264	426273	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	306264	112.19	ng	0.00
7) Phenol-d6	7.17	99	415050	111.94	ng	0.00
23) Nitrobenzene-d5	9.17	82	295892	95.29	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	68202	30.99	ng	0.01
45) 2-Fluorobiphenyl	13.28	172	927274	97.11	ng	0.00
79) Terphenyl-d14	20.03	244	1528693	91.64	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.54	88	490	0.416	ng	# 22
4) n-Nitrosodimethylamine	3.74	42	54	0.052	ng	# 1
6) Aniline	7.19	93	68	0.014	ng	# 1
9) Benzaldehyde	7.17	77	838	0.402	ng	# 1
10) Phenol	7.20	94	19094	5.065	ng	# 83
11) bis(2-Chloroethyl)ether	7.54	93	480	0.161	ng	# 1
15) Benzyl Alcohol	8.33	79	4425	1.735	ng	# 37
19) n-Nitroso-di-n-propylamine	9.17	70	37566	15.752	ng	# 71
24) Nitrobenzene	9.18	77	1497	0.473	ng	# 33
25) Isophorone	9.74	82	123	0.020	ng	# 59
38) 1-Methylnaphthalene	13.15	142	557	0.072	ng	# 6
46) 1,1'-Biphenyl	13.50	154	1305	0.124	ng	# 93
48) 2-Nitroaniline	13.29	65	1103	0.519	ng	# 1
50) Dimethylphthalate	14.12	163	21921	1.909	ng	# 99
51) 2,6-Dinitrotoluene	14.66	165	20937	7.792	ng	# 40
52) Acenaphthene	14.68	154	719	0.087	ng	# 5
57) 2,4-Dinitrotoluene	14.66	165	20937	5.573	ng	# 37
58) Fluorene	16.16	166	2235	0.205	ng	# 67
60) Diethylphthalate	15.48	149	636	0.057	ng	# 55
63) Azobenzene	15.87	77	154	0.020	ng	# 44
66) n-Nitrosodiphenylamine	16.17	169	1562	0.155	ng	# 39
67) 4-Bromophenyl-phenylether	16.37	248	133	0.029	ng	# 1
71) Phenanthrene	17.45	178	548	0.031	ng	# 58
72) Anthracene	17.45	178	548	0.031	ng	# 59
74) Di-n-butylphthalate	18.38	149	3107	0.168	ng	# 94
75) Fluoranthene	19.47	202	254	0.012	ng	# 64
77) Benzidine	19.66	184	3629	0.375	ng	# 86
78) Pyrene	19.83	202	227	0.010	ng	# 55
80) Butylbenzylphthalate	20.71	149	736	0.083	ng	# 90
81) Benzo(a)anthracene	21.69	228	1154	0.051	ng	# 65
82) 3,3'-Dichlorobenzidine	21.57	252	268	0.030	ng	# 23
83) Chrysene	21.73	228	70	0.003	ng	# 47
84) Bis(2-ethylhexyl)phthalate	21.58	149	7261	0.584	ng	# 97
85) Di-n-octyl phthalate	22.79	149	238	0.011	ng	# 83

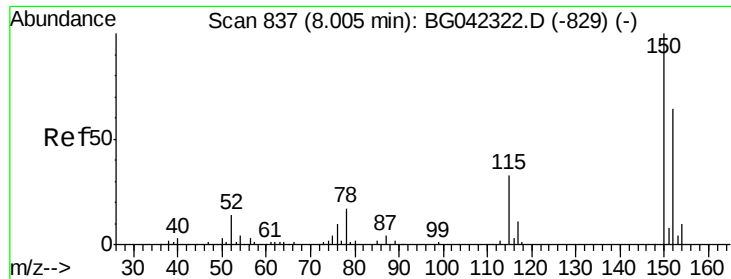
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081919\
Data File : BG042344.D
Acq On : 20 Aug 2019 2:17
Operator : HP/JU
Sample : K4290-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Aug 20 04:27:34 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG081919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 19 13:40:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo(b)fluoranthene	23.92	252	403	0.017	ng	# 58
89) Benzo(k)fluoranthene	23.97	252	127	0.006	ng	# 58
90) Benzo(a)pyrene	24.77	252	291	0.013	ng	# 1

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

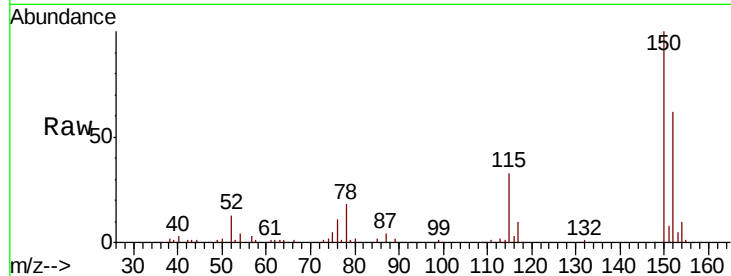


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. 0.00 min
Lab File: BG042344.D
Acq: 20 Aug 2019 2:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.9	124.3	186.5
115	52.7	40.5	60.7

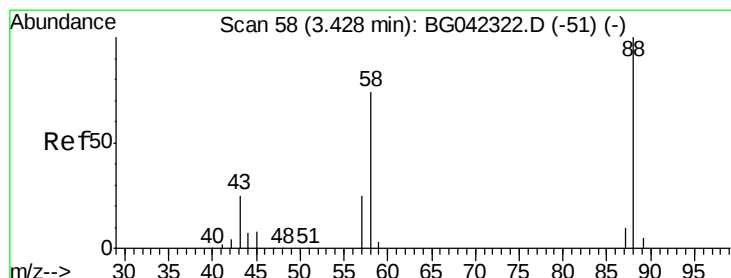
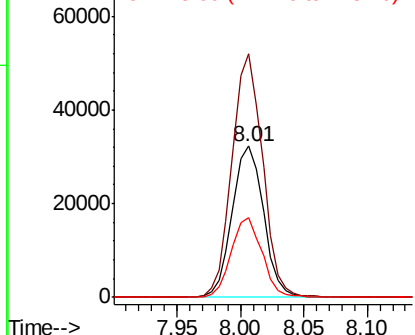
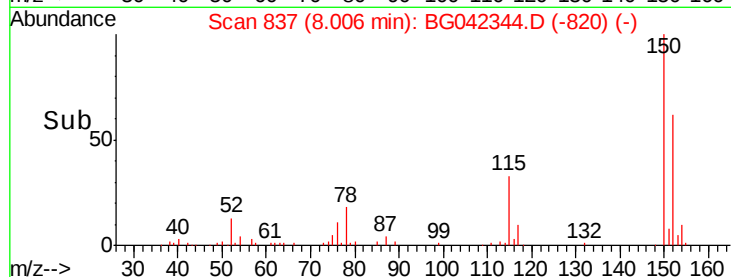


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

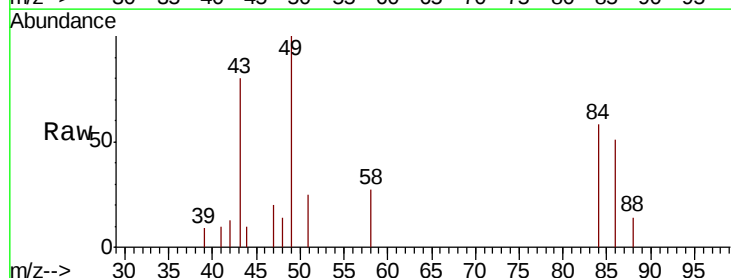
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 0.416 ng
RT: 3.54 min Scan# 76
Delta R.T. 0.11 min
Lab File: BG042344.D
Acq: 20 Aug 2019 2:17

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	58.6	88.0#
43	0.0	19.4	29.0#

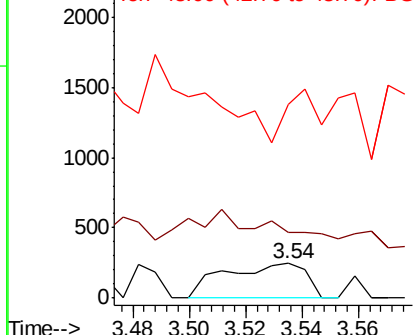
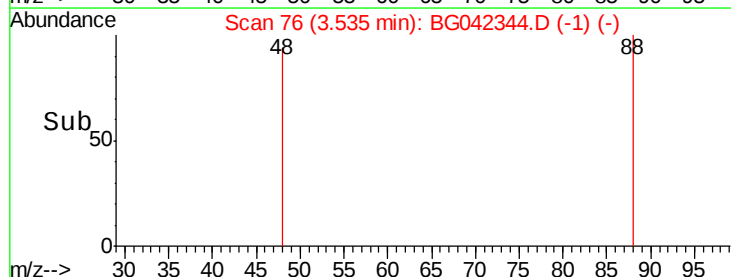


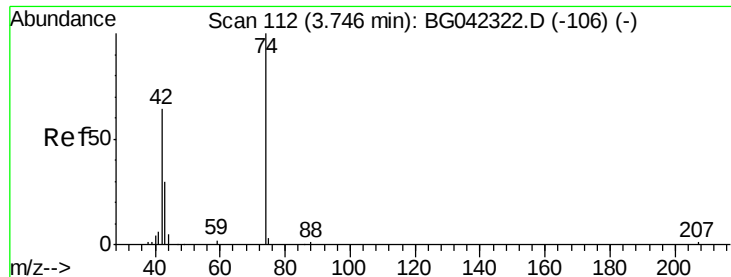
Abundance

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: 0.052 ng

RT: 3.74 min Scan# 111

Delta R.T. -0.00 min

Lab File: BG042344.D

Acq: 20 Aug 2019 2:17

Instrument :

BNA_G

ClientSampled :

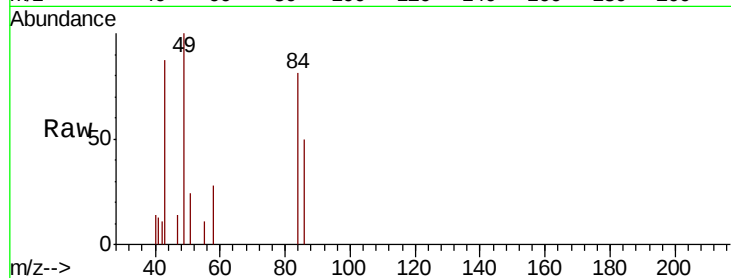
Tot Ion: 42 Resp: 54

Ion Ratio Lower Upper

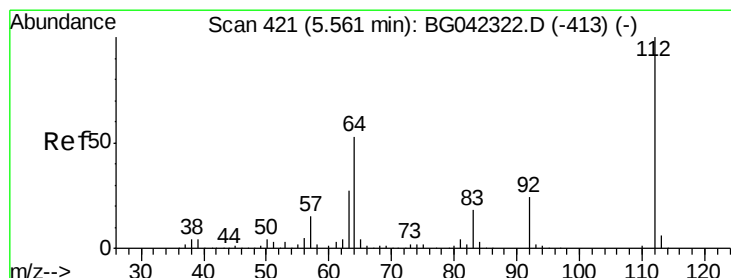
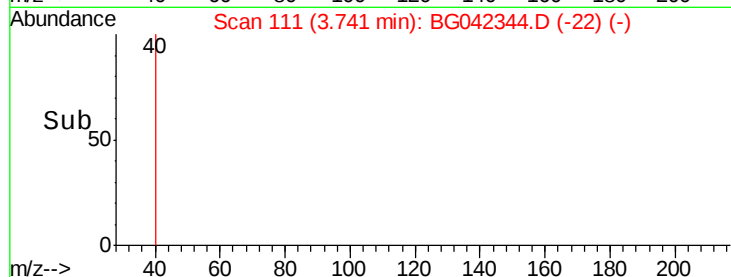
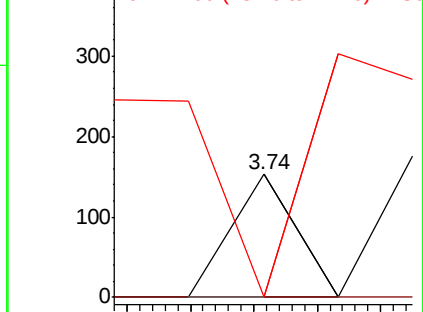
42 100

74 0.0 124.2 186.2#

44 0.0 6.5 9.7#



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: 112.185 ng

RT: 5.57 min Scan# 422

Delta R.T. 0.01 min

Lab File: BG042344.D

Acq: 20 Aug 2019 2:17

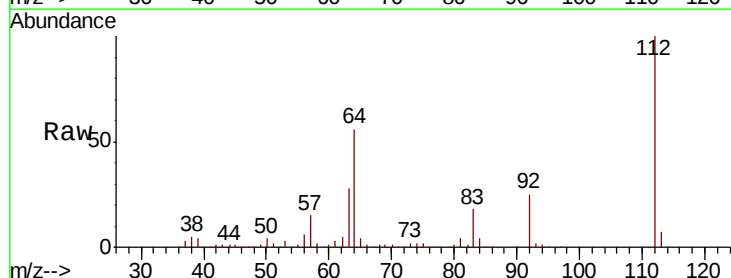
Tgt Ion: 112 Resp: 306264

Ion Ratio Lower Upper

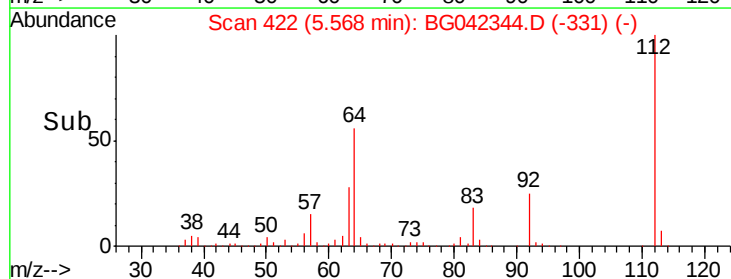
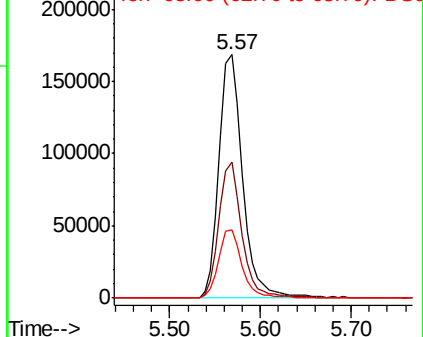
112 100

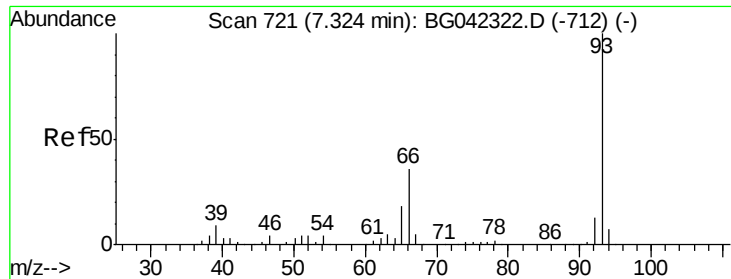
64 55.8 42.5 63.7

63 28.0 21.7 32.5



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

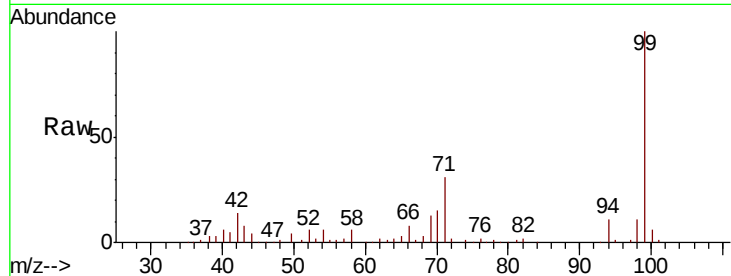




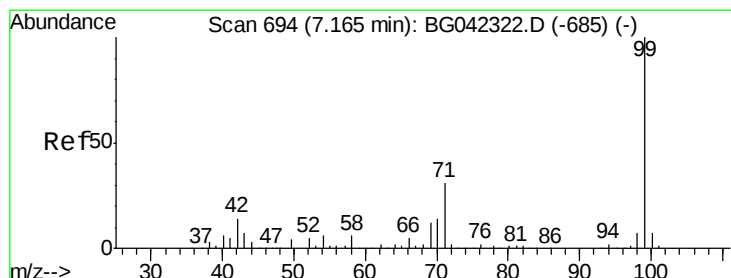
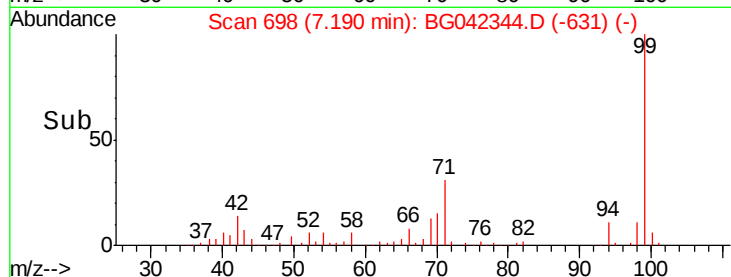
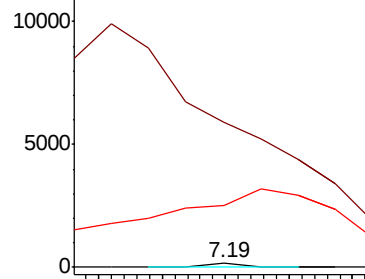
#6
 Aniline
 Concen: 0.014 ng
 RT: 7.19 min Scan# 698
 Delta R.T. -0.13 min
 Lab File: BG042344.D
 Acq: 20 Aug 2019 2:17

Instrument :
 BNA_G
 ClientSampled :

Tot Ion: 93 Resp: 68
 Ion Ratio Lower Upper
 93 100
 66 3041.2 29.1 43.7#
 65 1305.2 14.7 22.1#

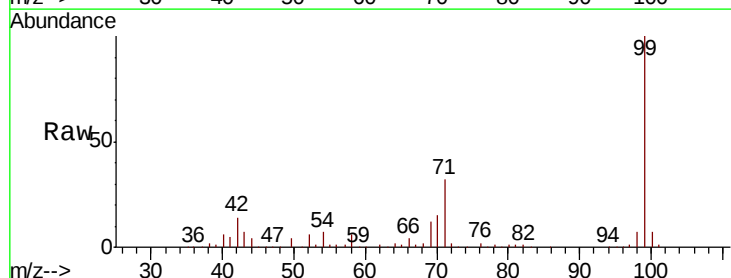


Abundance Ion 93.00 (92.70 to 93.70): BGC
 Ion 66.00 (65.70 to 66.70): BGC
 Ion 65.00 (64.70 to 65.70): BGC

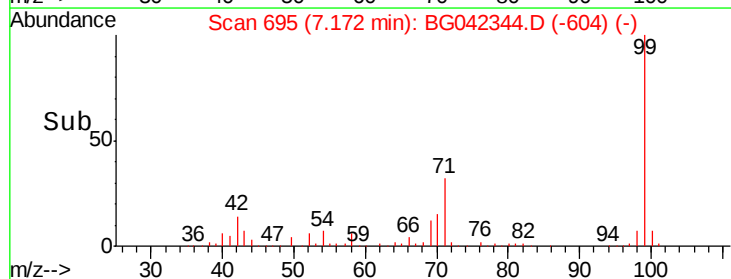
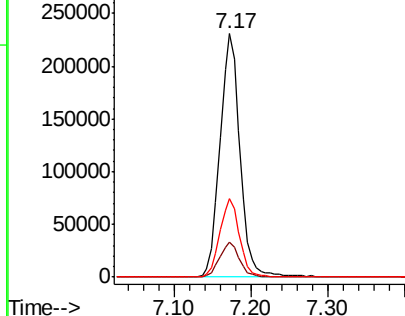


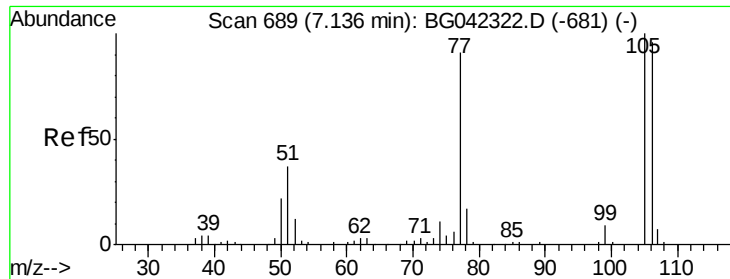
#7
 Phenol-d6
 Concen: 111.944 ng
 RT: 7.17 min Scan# 695
 Delta R.T. 0.01 min
 Lab File: BG042344.D
 Acq: 20 Aug 2019 2:17

Tgt Ion: 99 Resp: 415050
 Ion Ratio Lower Upper
 99 100
 42 14.3 11.4 17.0
 71 32.1 25.1 37.7



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

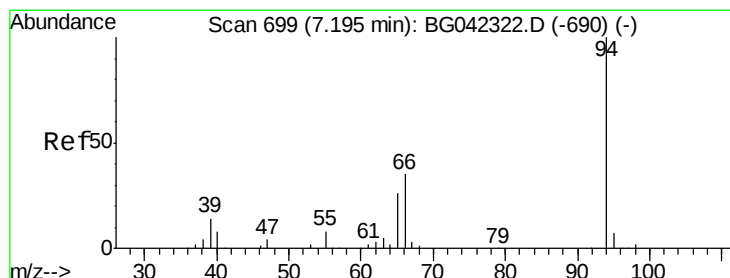
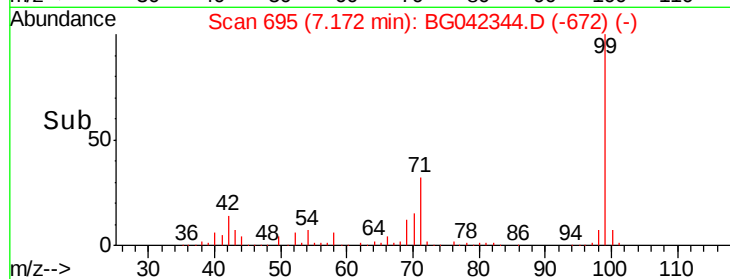
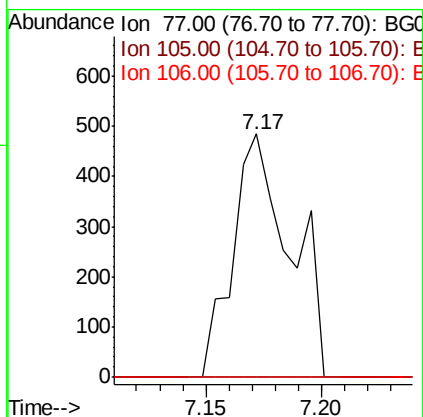
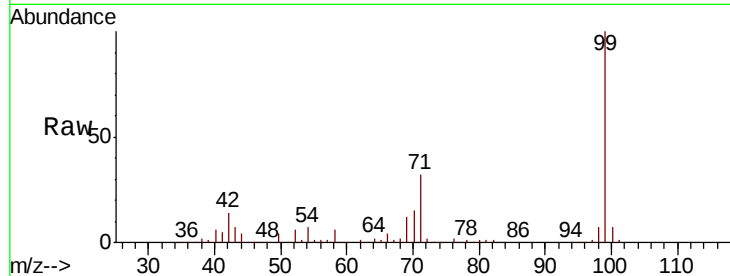




#9
Benzaldehyde
Concen: 0.402 ng
RT: 7.17 min Scan# 695
Delta R.T. 0.04 min
Lab File: BG042344.D
Acq: 20 Aug 2019 2:17

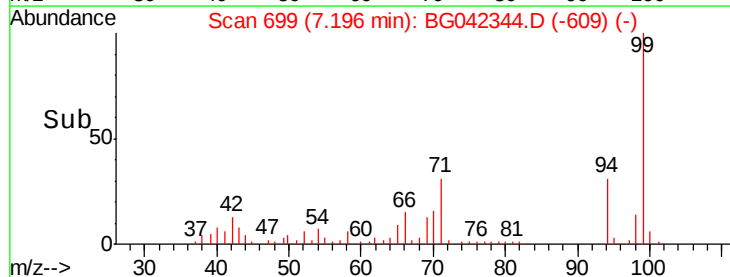
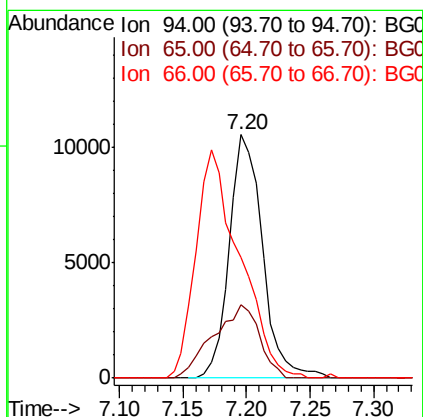
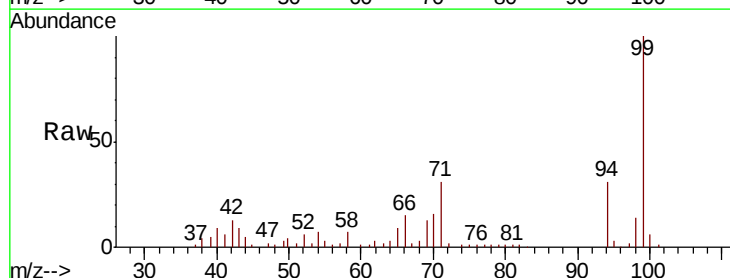
Instrument :
BNA_G
ClientSampled :

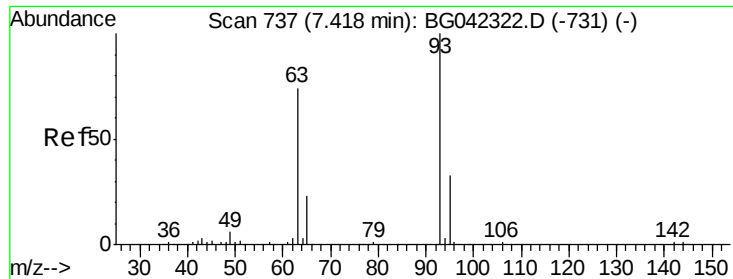
Tot Ion: 77 Resp: 838
Ion Ratio Lower Upper
77 100
105 0.0 89.8 129.8#
106 0.0 85.1 125.1#



#10
Phenol
Concen: 5.065 ng
RT: 7.20 min Scan# 699
Delta R.T. 0.00 min
Lab File: BG042344.D
Acq: 20 Aug 2019 2:17

Tgt Ion: 94 Resp: 19094
Ion Ratio Lower Upper
94 100
65 30.2 6.1 46.1
66 49.4 15.7 55.7

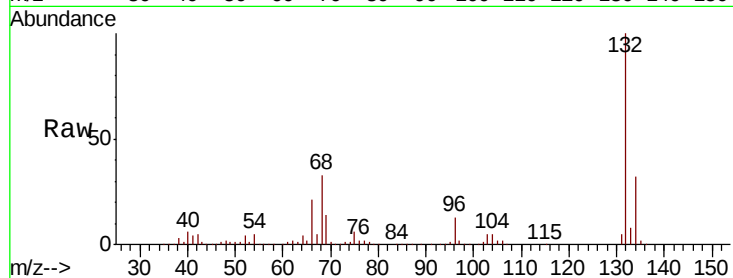




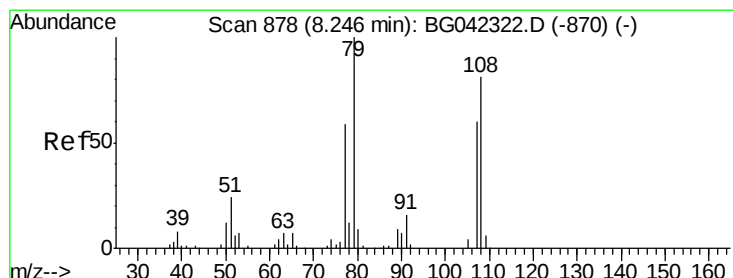
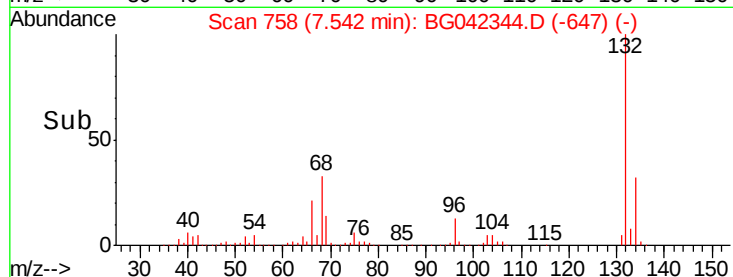
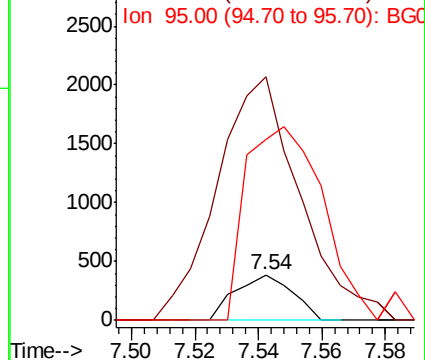
#11
bis(2-Chloroethyl)ether
Concen: 0.161 ng
RT: 7.54 min Scan# 758
Delta R.T. 0.12 min
Lab File: BG042344.D
Acq: 20 Aug 2019 2:17

Instrument :
BNA_G
ClientSampled :

Tot Ion: 93 Resp: 480
Ion Ratio Lower Upper
93 100
63 536.0 53.0 93.0#
95 399.0 13.0 53.0#

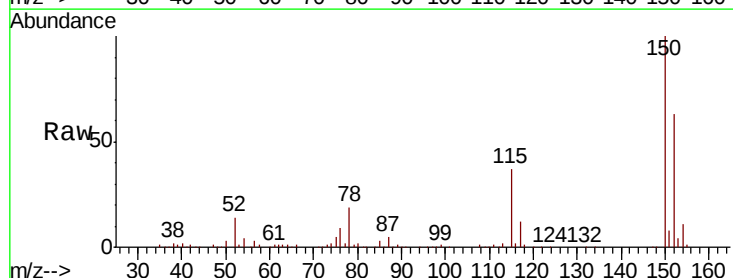


Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC

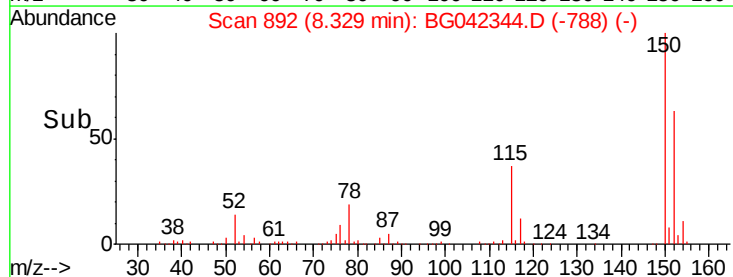
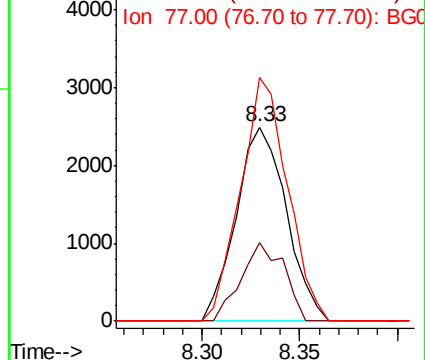


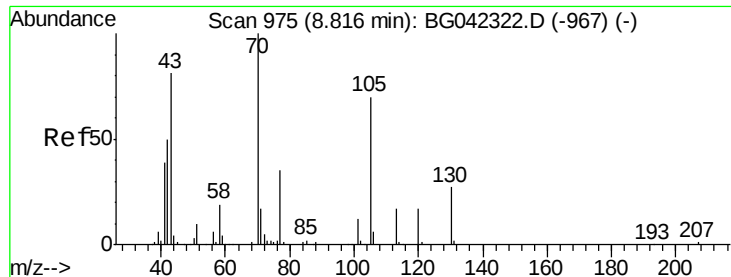
#15
Benzyl Alcohol
Concen: 1.735 ng
RT: 8.33 min Scan# 892
Delta R.T. 0.08 min
Lab File: BG042344.D
Acq: 20 Aug 2019 2:17

Tgt Ion: 79 Resp: 4425
Ion Ratio Lower Upper
79 100
108 40.7 64.8 97.2#
77 125.6 47.6 71.4#



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

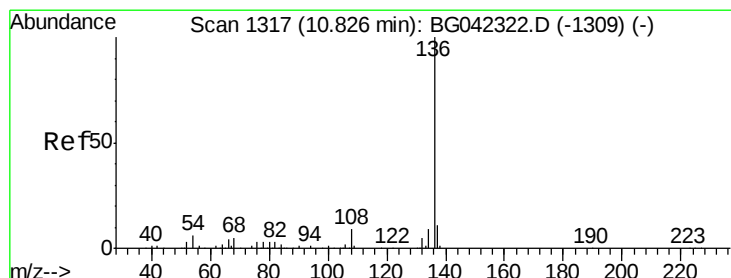
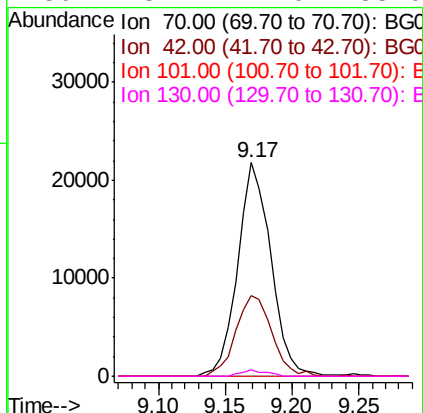
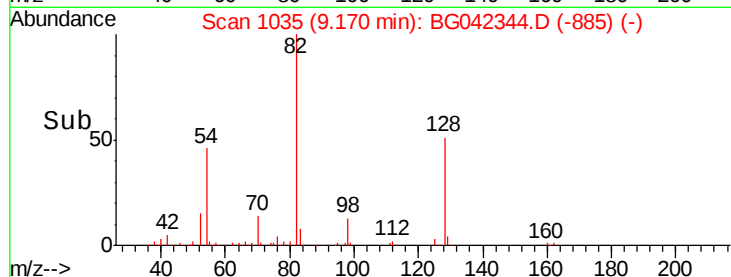
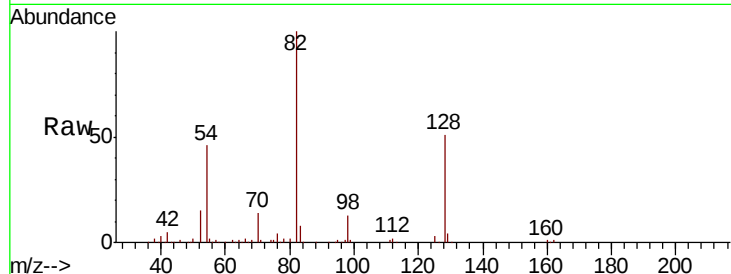




#19
n-Nitroso-di-n-propylamine
Concen: 15.752 ng
RT: 9.17 min Scan# 1035
Delta R.T. 0.35 min
Lab File: BG042344.D
Acq: 20 Aug 2019 2:17

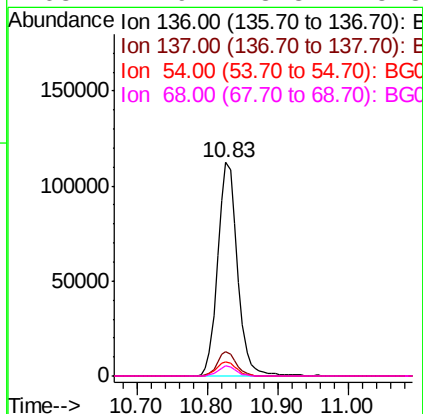
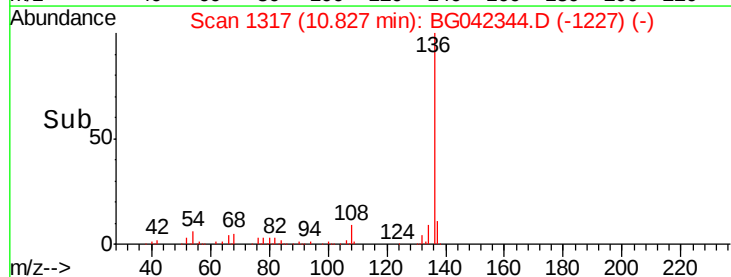
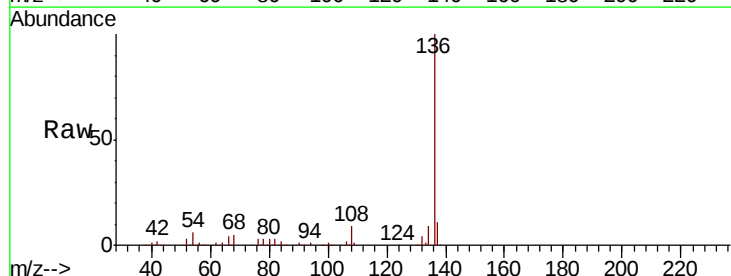
Instrument :
BNA_G
ClientSampleId :

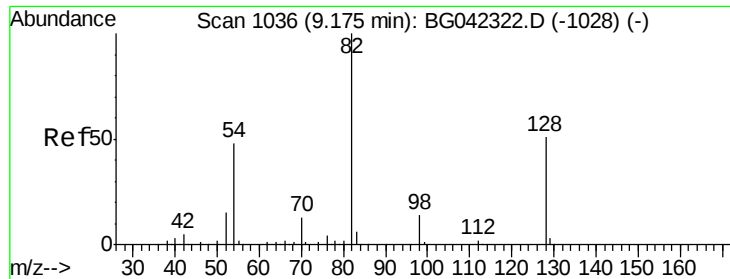
Tot Ion: 70 Resp: 37566
Ion Ratio Lower Upper
70 100
42 37.6 40.5 60.7#
101 0.0 9.3 13.9#
130 3.1 22.0 33.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BG042344.D
Acq: 20 Aug 2019 2:17

Tgt Ion: 136 Resp: 218401
Ion Ratio Lower Upper
136 100
137 11.3 8.4 12.6
54 6.3 5.0 7.4
68 4.9 3.8 5.8

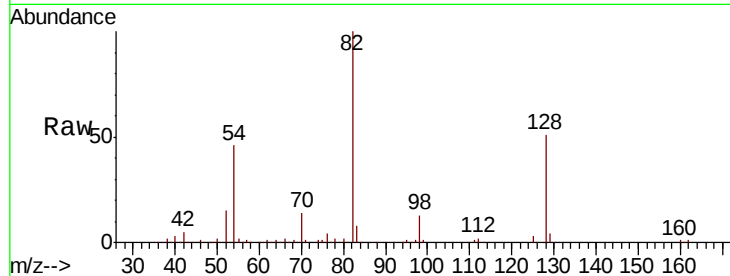




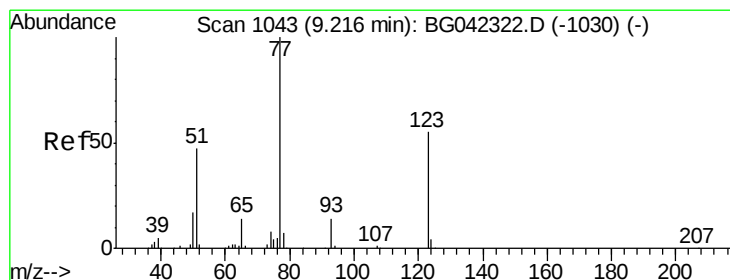
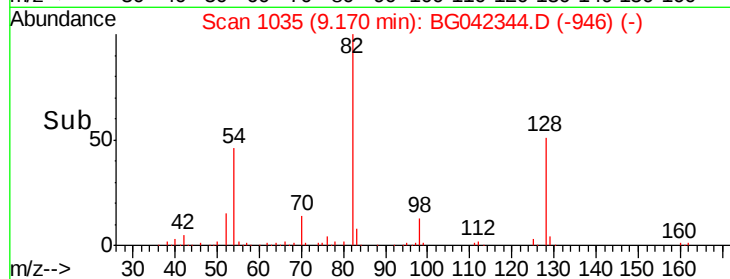
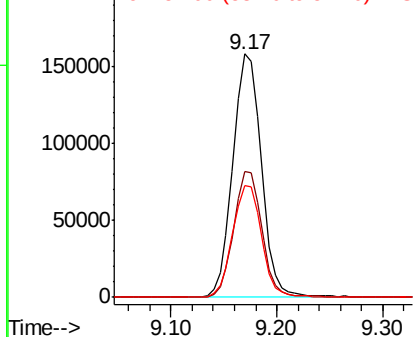
#23
 Nitrobenzene-d5
 Concen: 95.288 ng
 RT: 9.17 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: BG042344.D
 Acq: 20 Aug 2019 2:17

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	82	Resp	295892
Ion Ratio	100	Lower	Upper
128	51.4	41.0	61.4
54	46.1	38.0	57.0

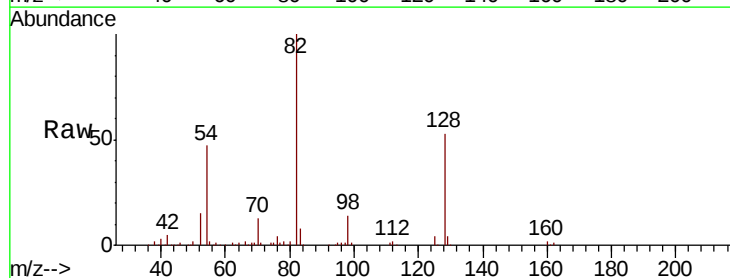


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

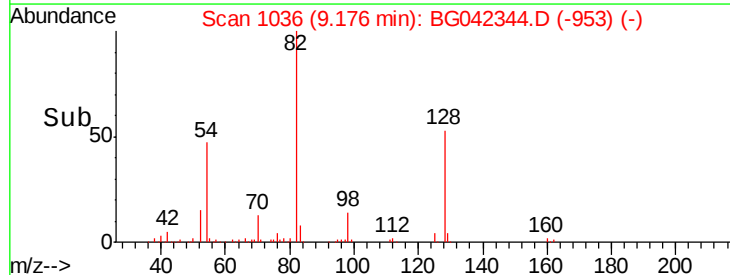
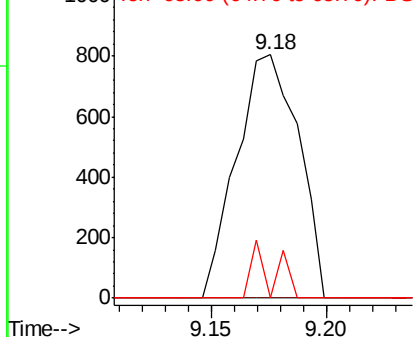


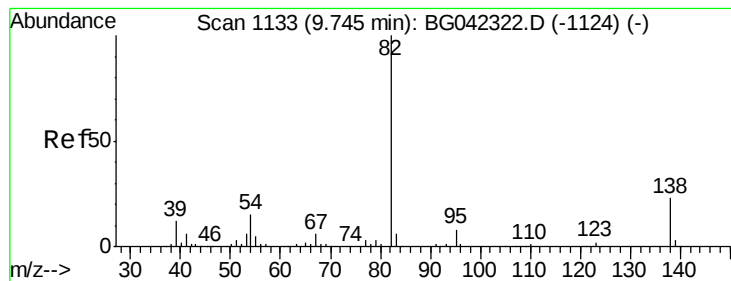
#24
 Nitrobenzene
 Concen: 0.473 ng
 RT: 9.18 min Scan# 1036
 Delta R.T. -0.04 min
 Lab File: BG042344.D
 Acq: 20 Aug 2019 2:17

Tgt Ion	77	Resp	1497
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
123	0.0	43.7	65.5#
65	0.0	10.9	16.3#



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





#25

Isophorone

Concen: 0.020 ng

RT: 9.74 min Scan# 1132

Delta R.T. -0.01 min

Lab File: BG042344.D

Acq: 20 Aug 2019 2:17

Instrument :

BNA_G

ClientSampled :

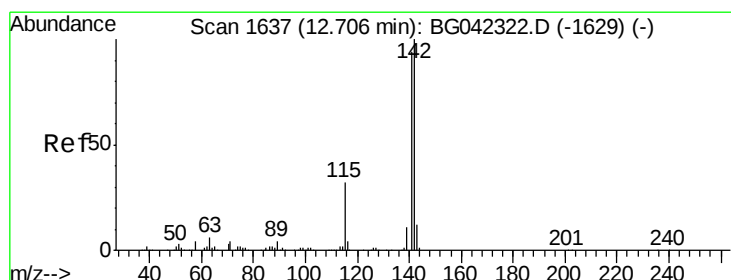
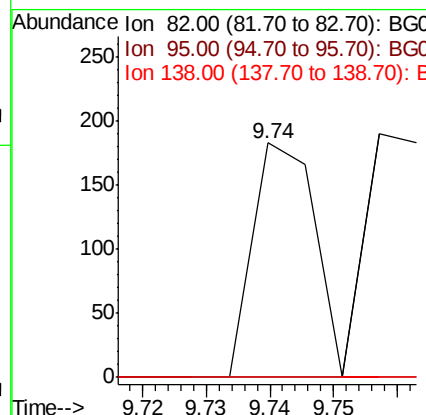
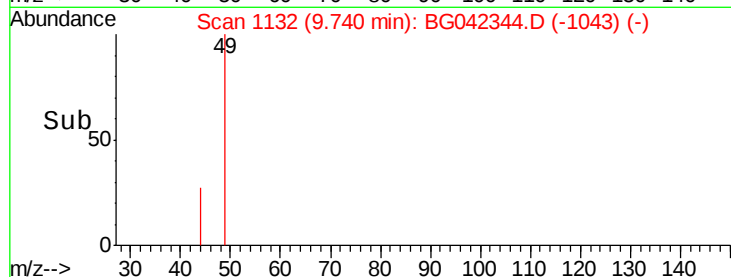
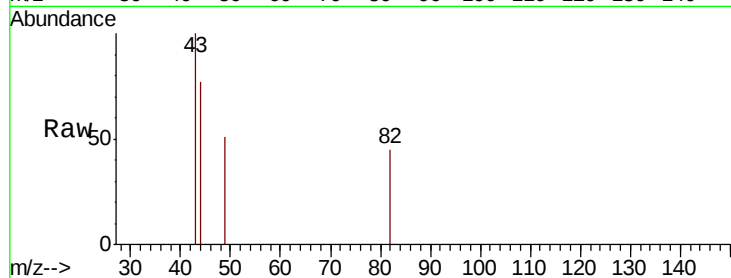
Tot Ion: 82 Resp: 123

Ion Ratio Lower Upper

82 100

95 0.0 6.1 9.1#

138 0.0 18.2 27.2#



#38

1-Methylnaphthalene

Concen: 0.072 ng

RT: 13.15 min Scan# 1712

Delta R.T. 0.44 min

Lab File: BG042344.D

Acq: 20 Aug 2019 2:17

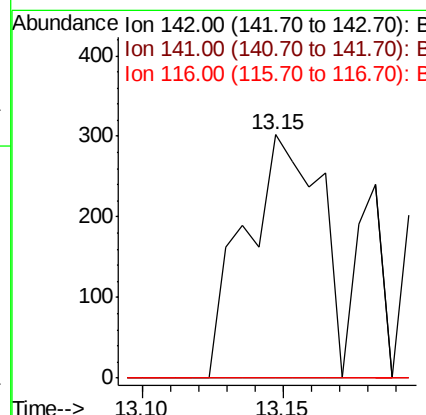
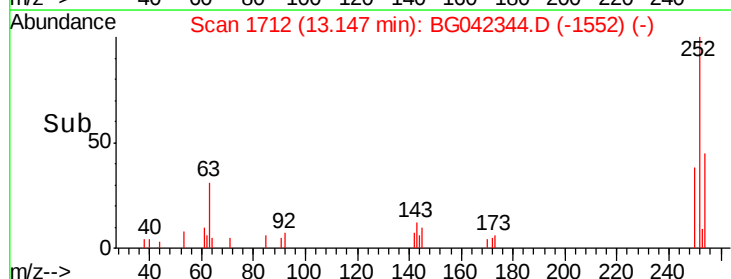
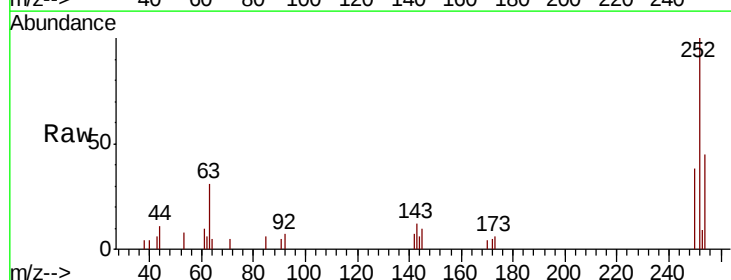
Tgt Ion: 142 Resp: 557

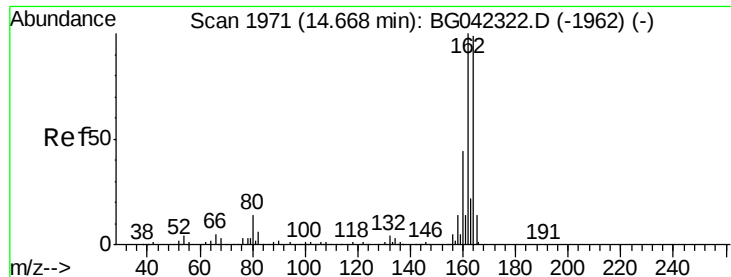
Ion Ratio Lower Upper

142 100

141 0.0 75.1 112.7#

116 0.0 3.0 4.6#

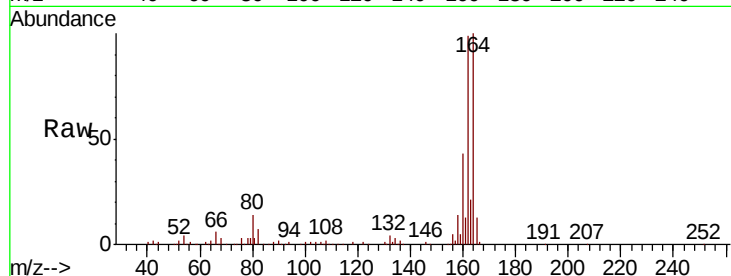




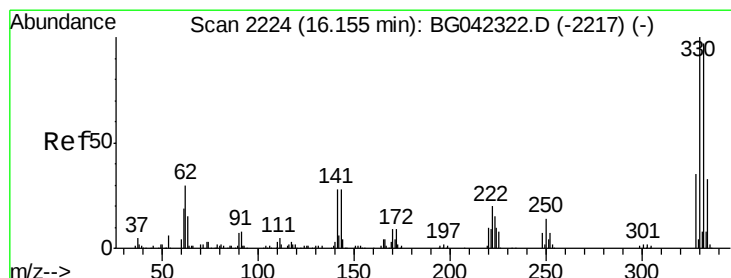
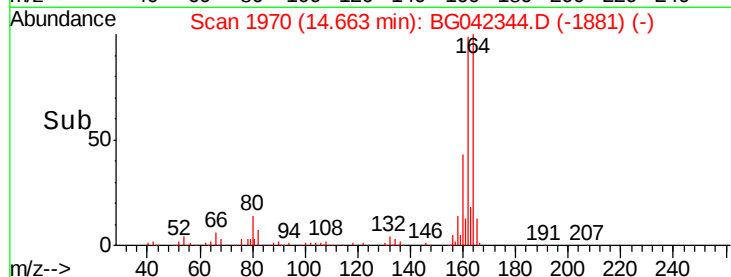
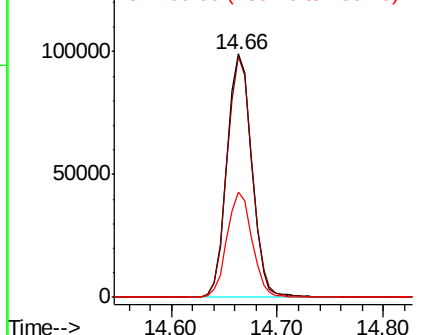
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.00 min
Lab File: BG042344.D
Acq: 20 Aug 2019 2:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	98.9	80.6	120.8
160	43.1	35.7	53.5

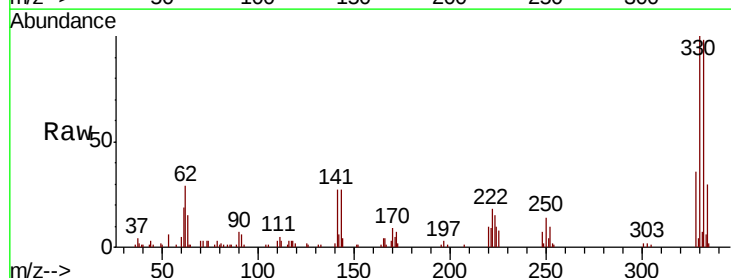


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

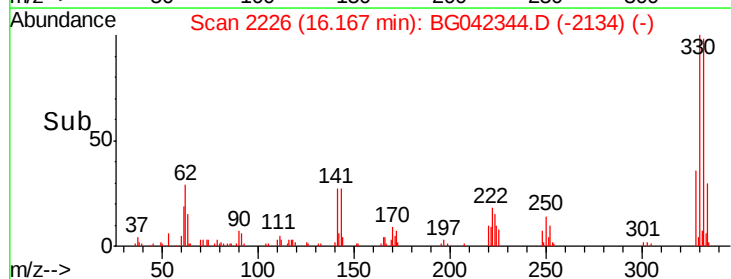
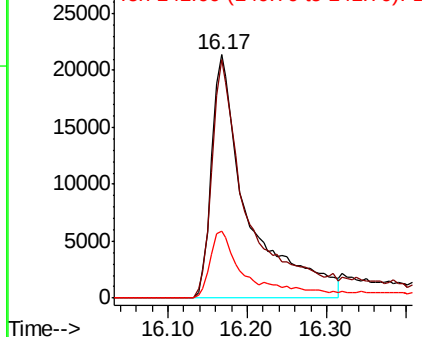


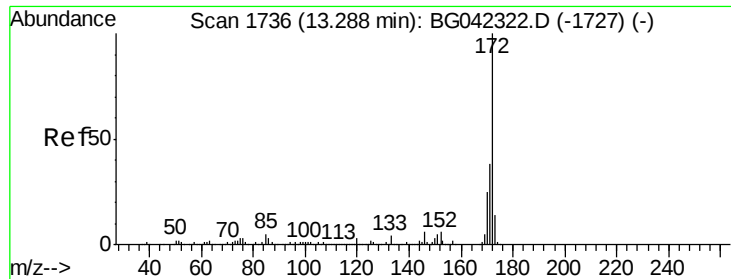
#42
2,4,6-Tribromophenol
Concen: 30.992 ng
RT: 16.17 min Scan# 2226
Delta R.T. 0.01 min
Lab File: BG042344.D
Acq: 20 Aug 2019 2:17

Tgt Ion	Ratio	Lower	Upper
330	100		
332	99.1	76.9	115.3
141	27.9	21.8	32.6



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

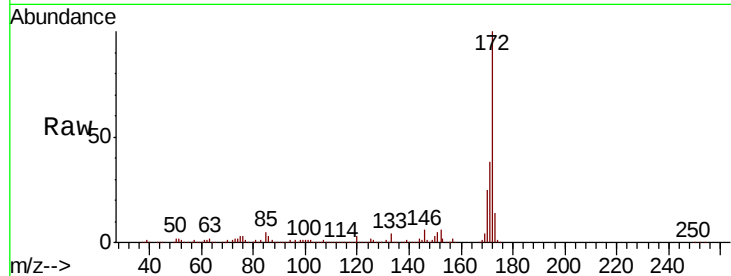




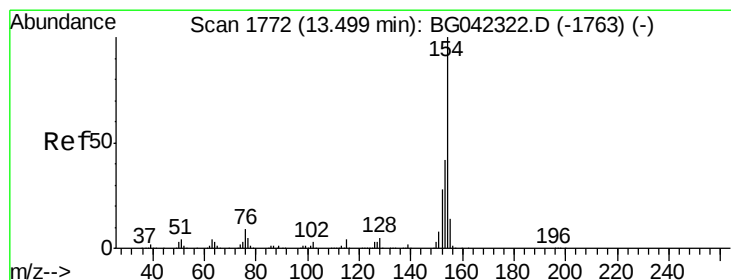
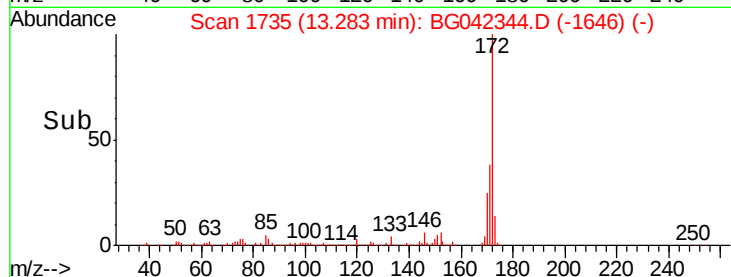
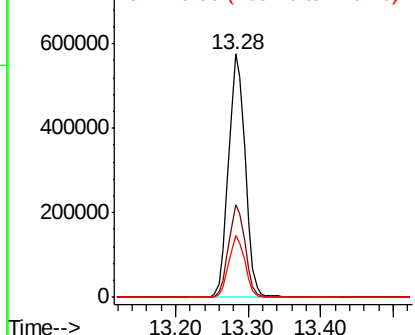
#45
2-Fluorobiphenyl
Concen: 97.111 ng
RT: 13.28 min Scan# 1735
Delta R.T. -0.00 min
Lab File: BG042344.D
Acq: 20 Aug 2019 2:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 927274
Ion Ratio Lower Upper
172 100
171 37.9 30.3 45.5
170 25.2 20.0 30.0

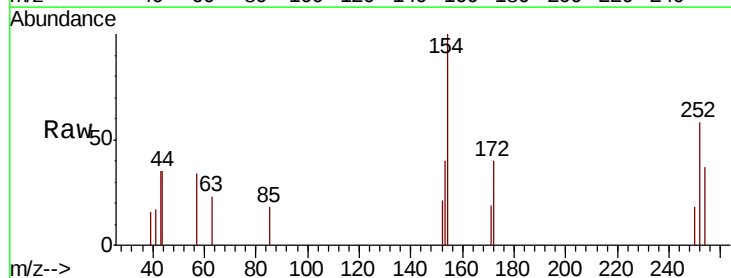


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

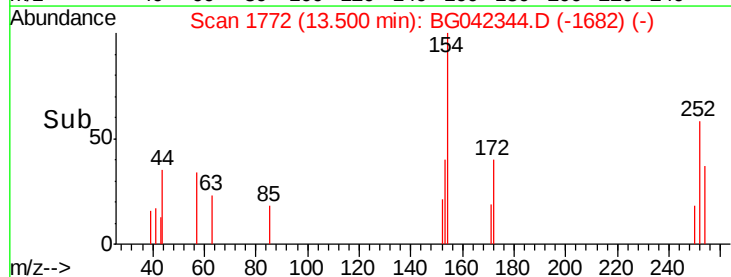
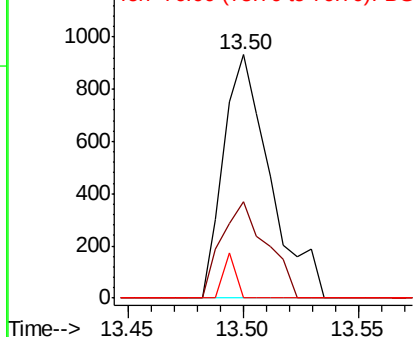


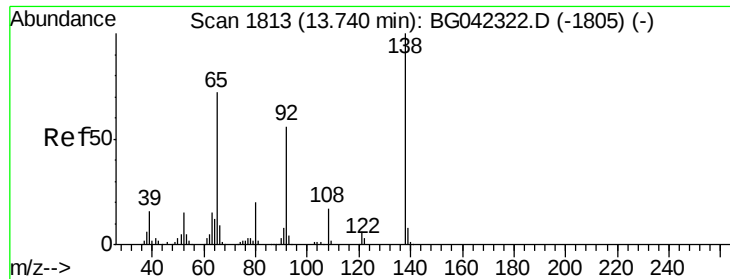
#46
1,1'-Biphenyl
Concen: 0.124 ng
RT: 13.50 min Scan# 1772
Delta R.T. 0.00 min
Lab File: BG042344.D
Acq: 20 Aug 2019 2:17

Tgt Ion:154 Resp: 1305
Ion Ratio Lower Upper
154 100
153 39.7 21.9 61.9
76 0.0 0.0 29.3



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BG





#48

2-Nitroaniline

Concen: 0.519 ng

RT: 13.29 min Scan# 1736

Delta R.T. -0.45 min

Lab File: BG042344.D

Acq: 20 Aug 2019 2:17

Instrument :

BNA_G

ClientSampleId :

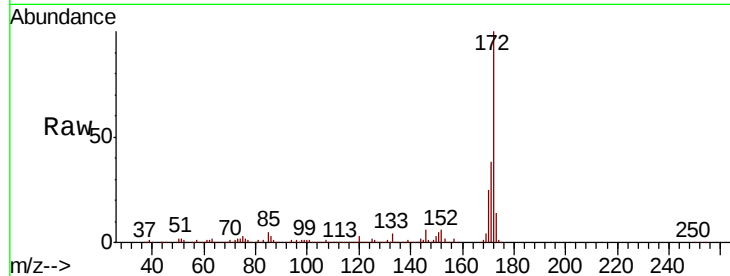
Tot Ion: 65 Resp: 1103

Ion Ratio Lower Upper

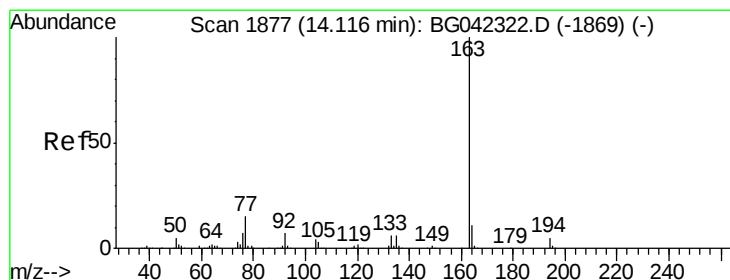
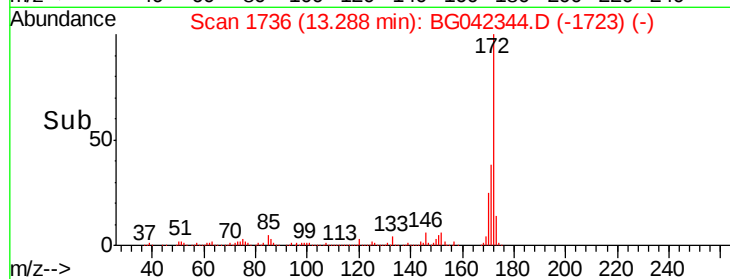
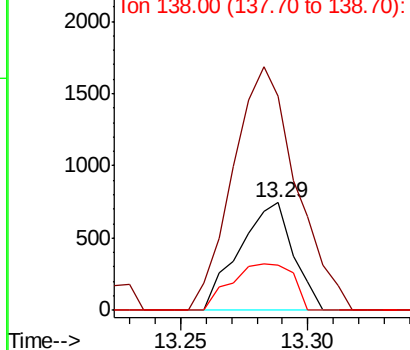
65 100

92 199.7 62.6 94.0#

138 42.3 111.5 167.3#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#50

Dimethylphthalate

Concen: 1.909 ng

RT: 14.12 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BG042344.D

Acq: 20 Aug 2019 2:17

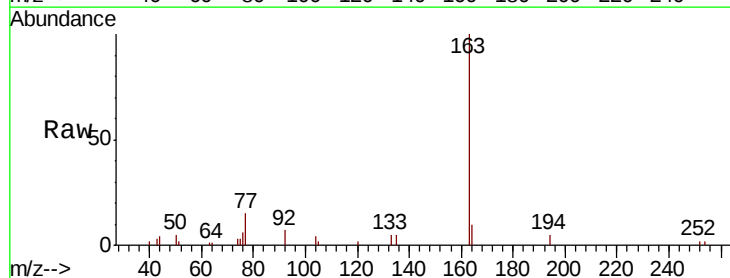
Tgt Ion: 163 Resp: 21921

Ion Ratio Lower Upper

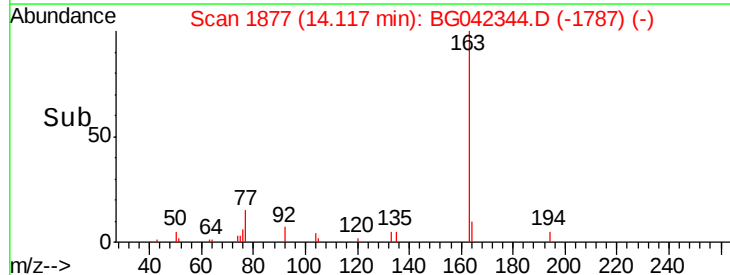
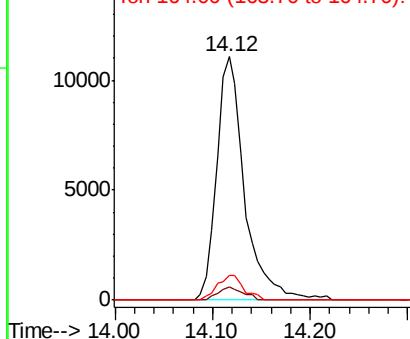
163 100

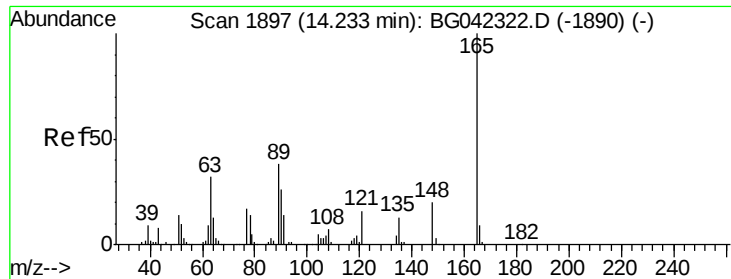
194 5.3 4.2 6.2

164 10.4 8.8 13.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 7.792 ng

RT: 14.66 min Scan# 1970

Delta R.T. 0.43 min

Lab File: BG042344.D

Acq: 20 Aug 2019 2:17

Instrument :

BNA_G

ClientSampleId :

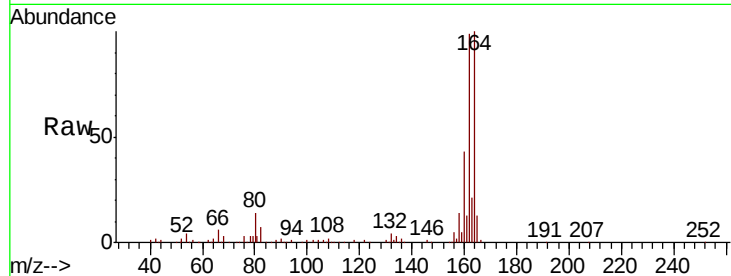
Tot Ion:165 Resp: 20937

Ion Ratio Lower Upper

165 100

63 1.5 28.2 42.2#

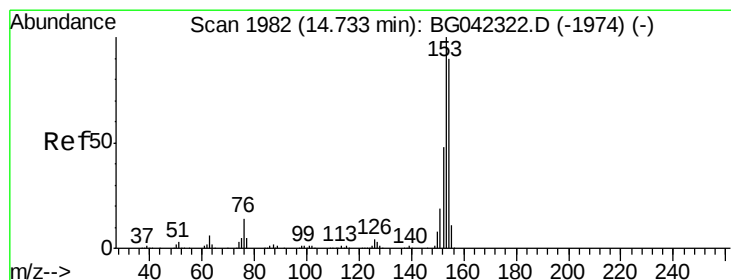
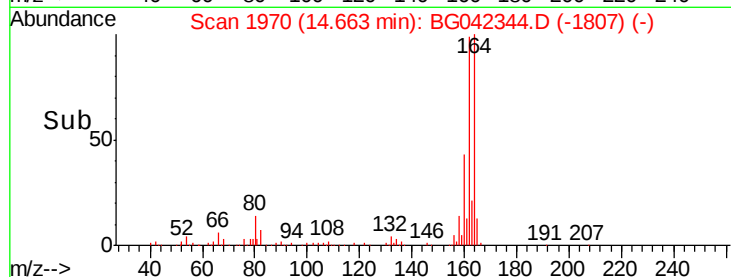
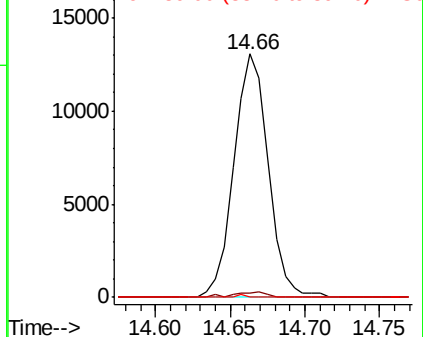
89 0.0 30.0 45.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#52

Acenaphthene

Concen: 0.087 ng

RT: 14.68 min Scan# 1972

Delta R.T. -0.06 min

Lab File: BG042344.D

Acq: 20 Aug 2019 2:17

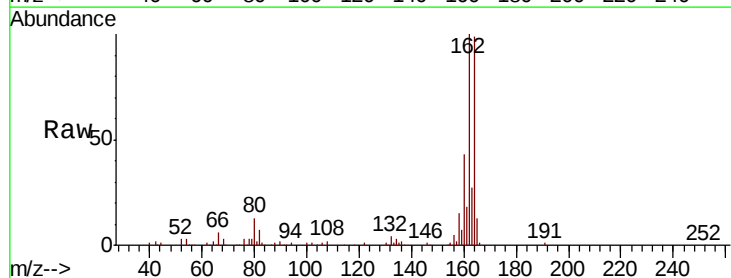
Tgt Ion:154 Resp: 719

Ion Ratio Lower Upper

154 100

153 0.0 89.4 134.0#

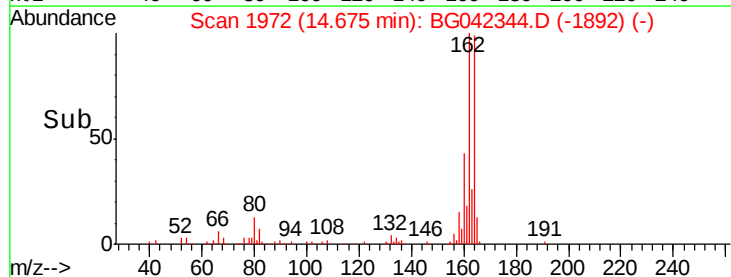
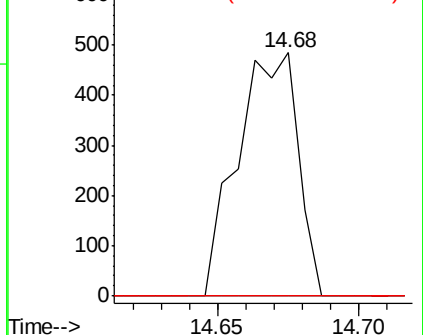
152 0.0 43.1 64.7#

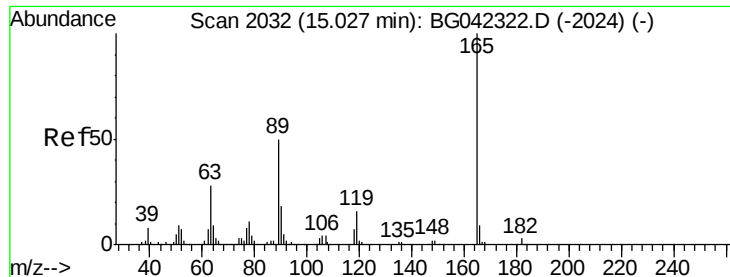


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

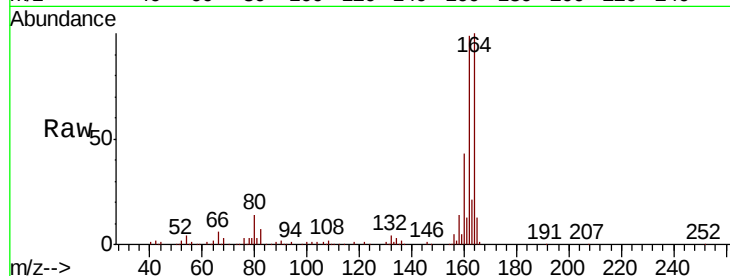




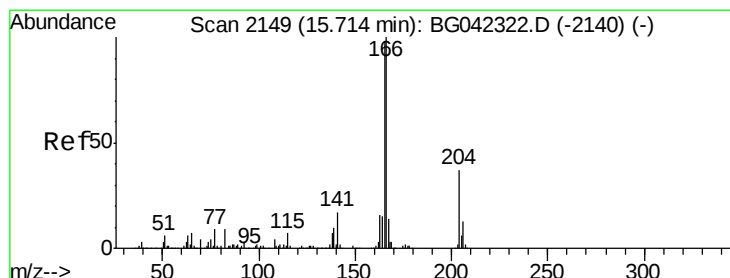
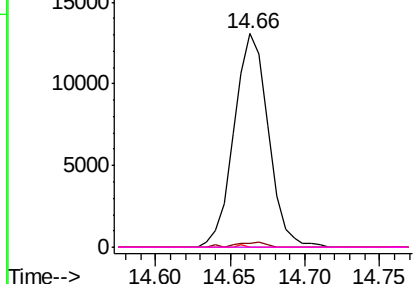
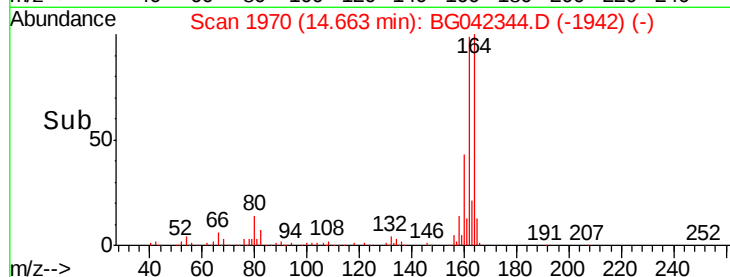
#57
 2,4-Dinitrotoluene
 Concen: 5.573 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.36 min
 Lab File: BG042344.D
 Acq: 20 Aug 2019 2:17

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165	Resp:	20937
Ion Ratio	Lower	Upper
165	100	
63	1.5	22.4 33.6#
89	0.0	40.2 60.2#
182	0.0	2.6 3.8#

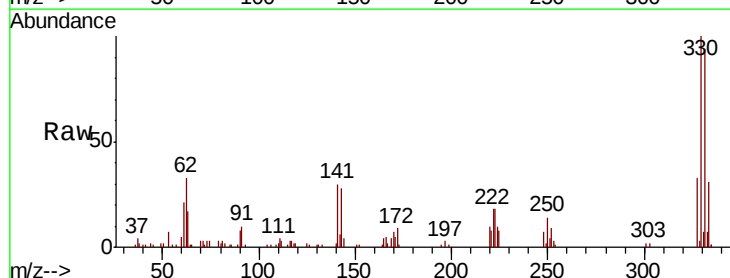


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

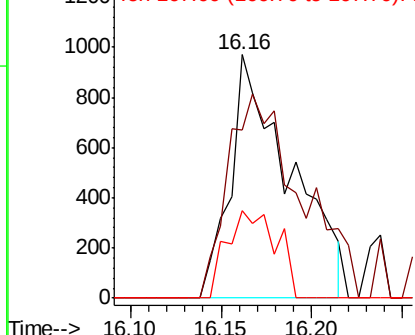
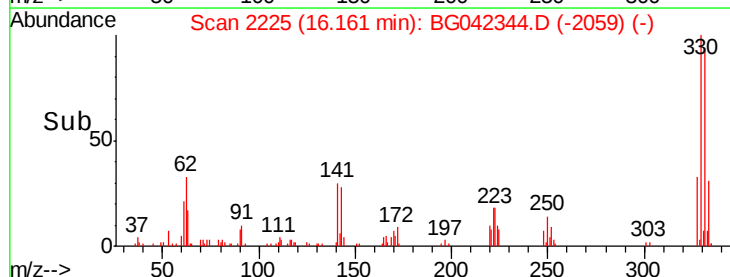


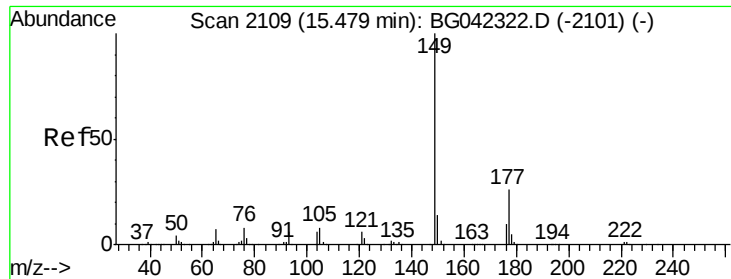
#58
 Fluorene
 Concen: 0.205 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. 0.45 min
 Lab File: BG042344.D
 Acq: 20 Aug 2019 2:17

Tgt Ion:166	Resp:	2235
Ion Ratio	Lower	Upper
166	100	
165	68.8	78.7 118.1#
167	35.8	11.1 16.7#



Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

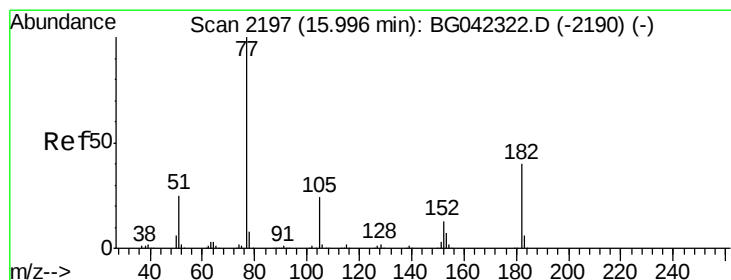
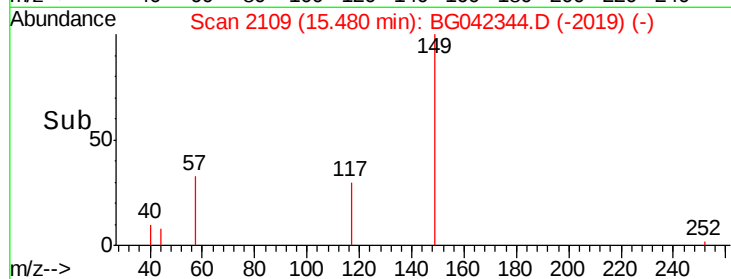
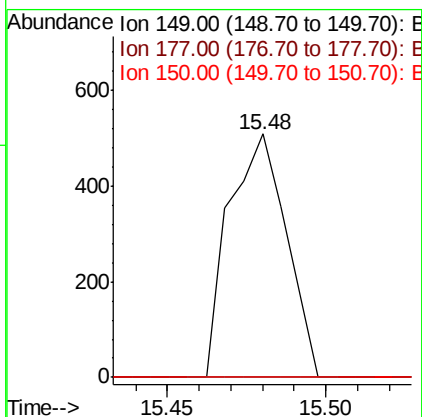
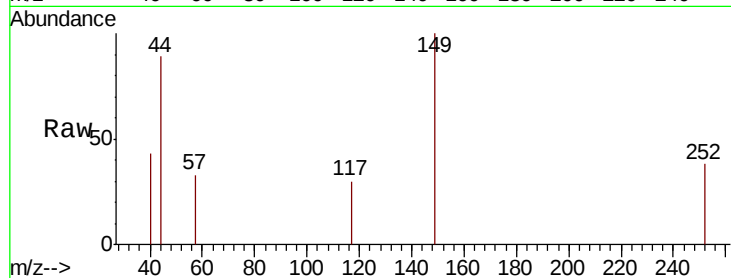




#60
Diethylphthalate
Concen: 0.057 ng
RT: 15.48 min Scan# 2109
Delta R.T. 0.00 min
Lab File: BG042344.D
Acq: 20 Aug 2019 2:17

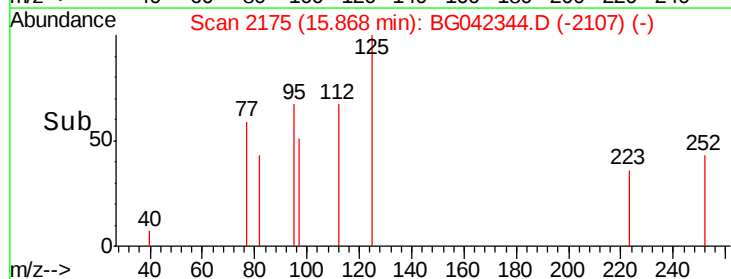
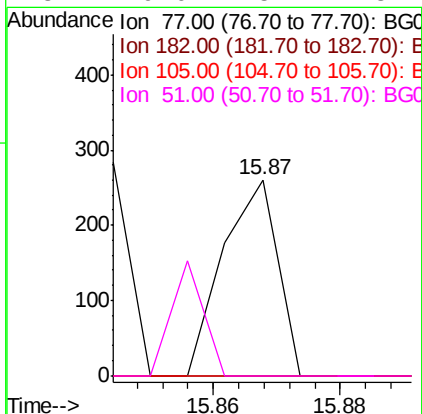
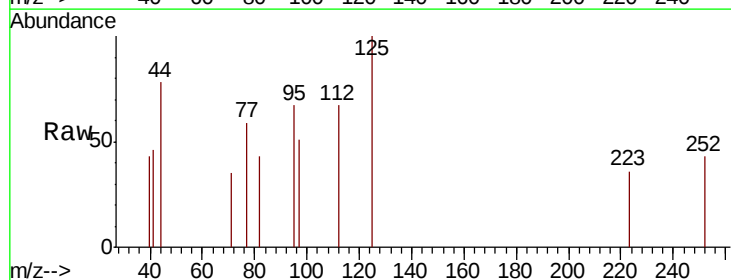
Instrument :
BNA_G
ClientSampleId :

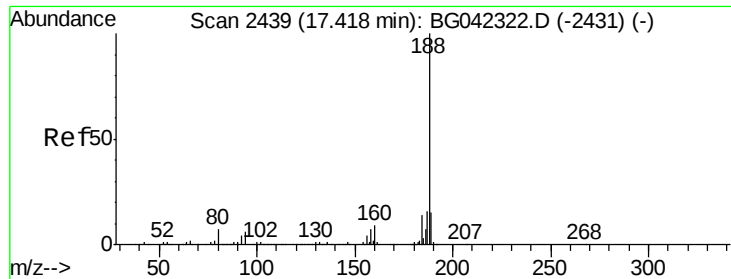
Tot Ion	Ratio	Lower	Upper
149	100		
177	0.0	20.7	31.1#
150	0.0	11.0	16.4#



#63
Azobenzene
Concen: 0.020 ng
RT: 15.87 min Scan# 2175
Delta R.T. -0.13 min
Lab File: BG042344.D
Acq: 20 Aug 2019 2:17

Tgt Ion	Ratio	Lower	Upper
77	100		
182	0.0	19.7	59.7#
105	0.0	3.5	43.5#
51	0.0	5.4	45.4#

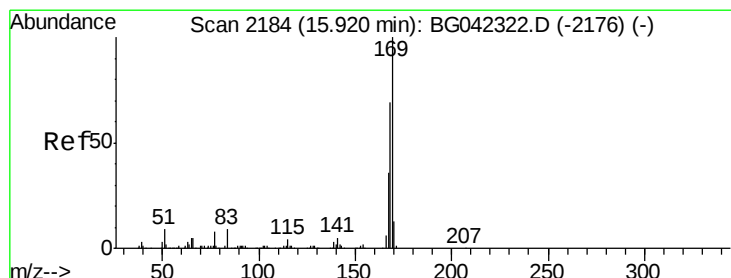
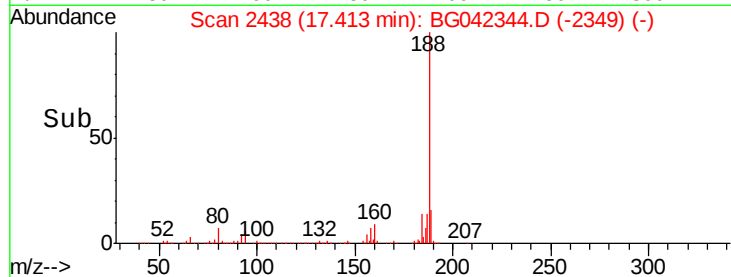
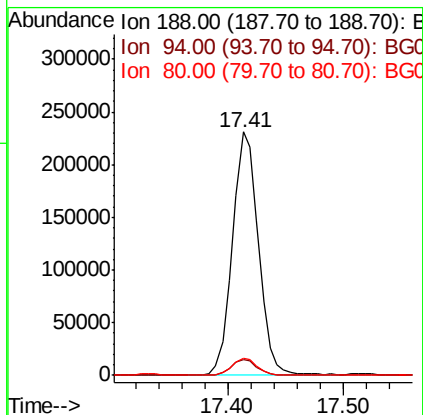
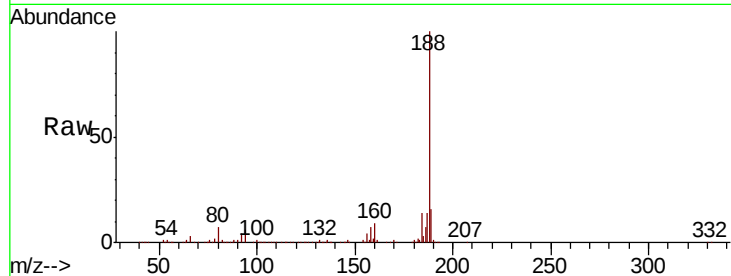




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2438
Delta R.T. -0.00 min
Lab File: BG042344.D
Acq: 20 Aug 2019 2:17

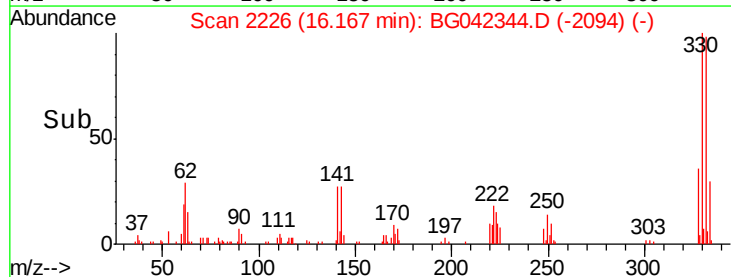
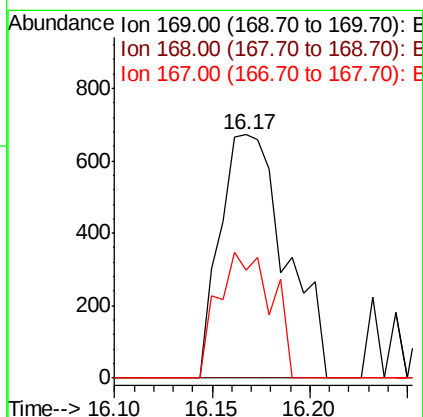
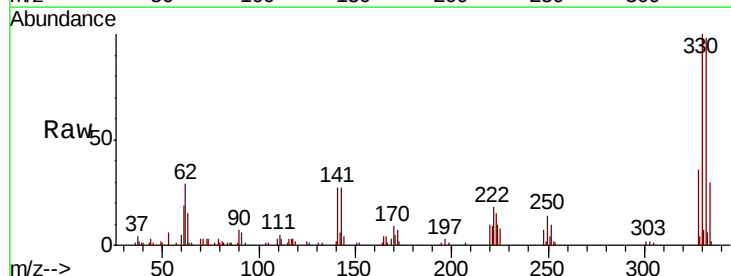
Instrument :
BNA_G
ClientSampleId :

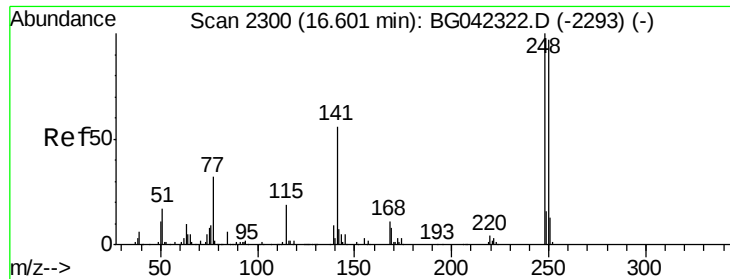
Tot Ion:188 Resp: 360207
Ion Ratio Lower Upper
188 100
94 6.4 4.9 7.3
80 6.9 5.4 8.0



#66
n-Nitrosodiphenylamine
Concen: 0.155 ng
RT: 16.17 min Scan# 2226
Delta R.T. 0.25 min
Lab File: BG042344.D
Acq: 20 Aug 2019 2:17

Tgt Ion:169 Resp: 1562
Ion Ratio Lower Upper
169 100
168 0.0 55.5 83.3#
167 44.2 28.9 43.3#

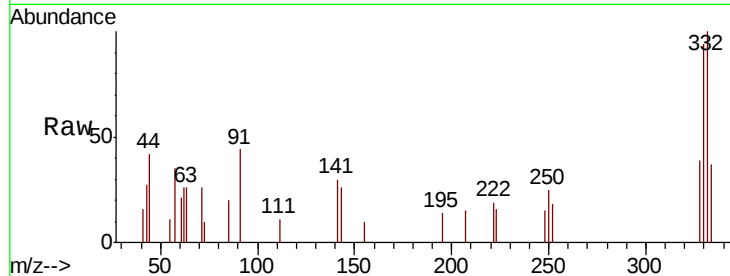




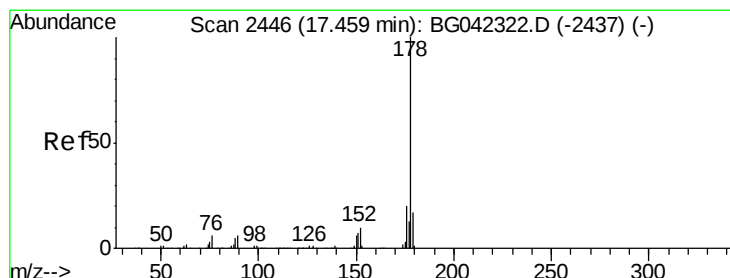
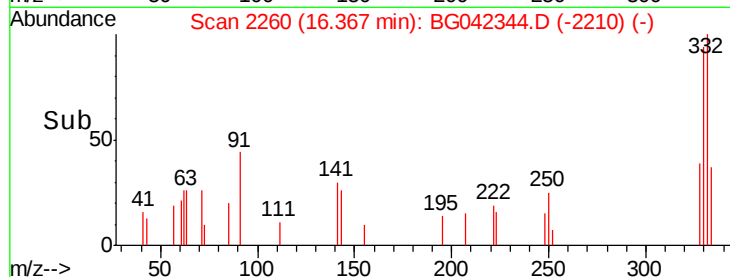
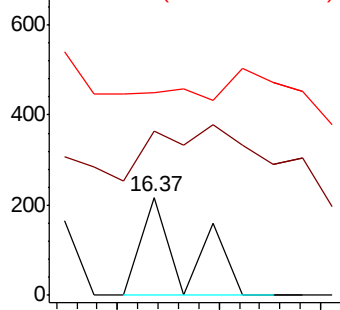
#67
4-Bromophenyl-phenylether
Concen: 0.029 ng
RT: 16.37 min Scan# 2260
Delta R.T. -0.23 min
Lab File: BG042344.D
Acq: 20 Aug 2019 2:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 133
Ion Ratio Lower Upper
248 100
250 167.0 78.0 117.0#
141 206.0 44.9 67.3#

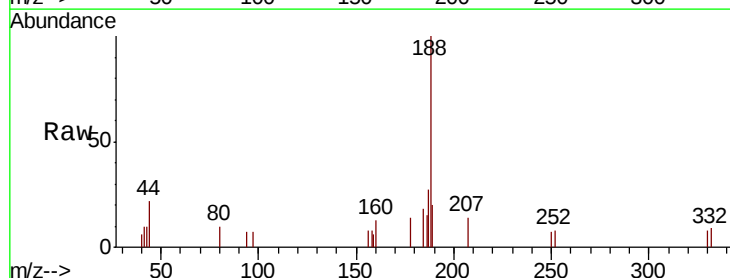


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

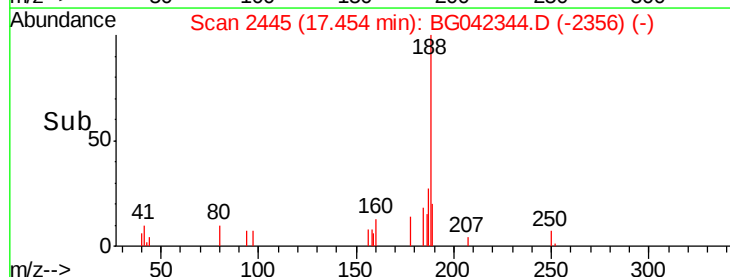
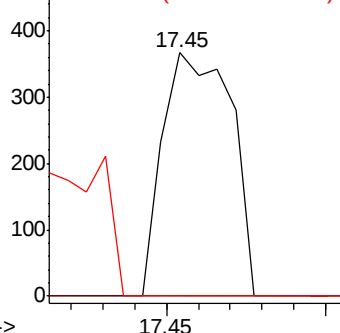


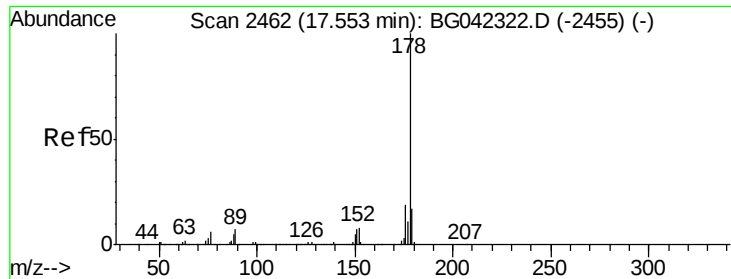
#71
Phenanthrene
Concen: 0.031 ng
RT: 17.45 min Scan# 2445
Delta R.T. -0.00 min
Lab File: BG042344.D
Acq: 20 Aug 2019 2:17

Tgt Ion:178 Resp: 548
Ion Ratio Lower Upper
178 100
176 0.0 16.2 24.4#
179 0.0 13.7 20.5#



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

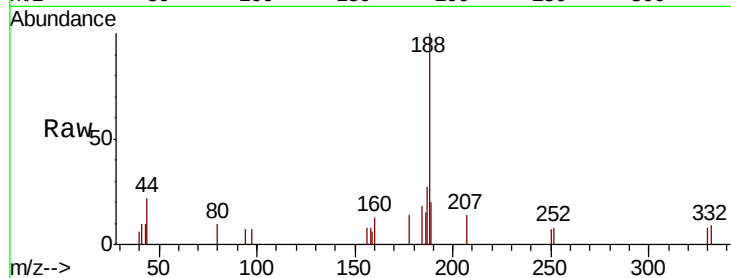




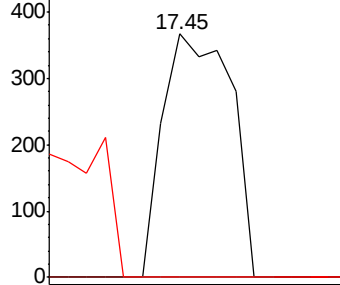
#72
 Anthracene
 Concen: 0.031 ng
 RT: 17.45 min Scan# 2445
 Delta R.T. -0.10 min
 Lab File: BG042344.D
 Acq: 20 Aug 2019 2:17

Instrument :
 BNA_G
 ClientSampleId :

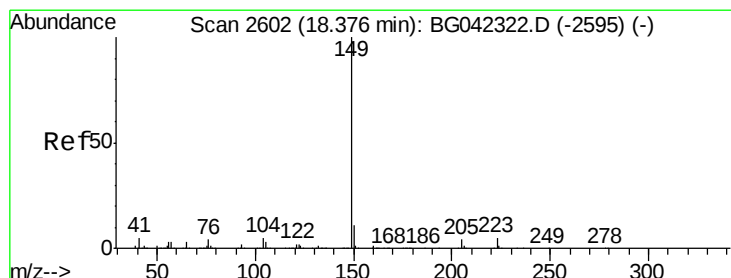
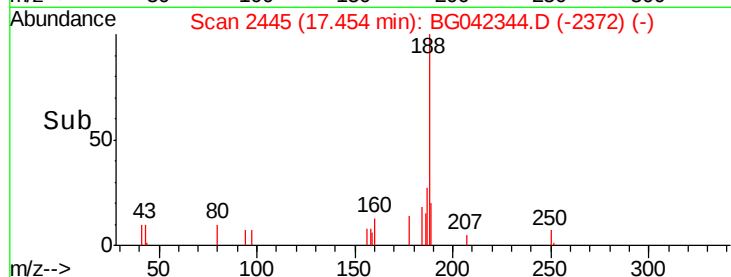
Tot Ion	Ratio	Lower	Upper
178	100		
176	0.0	15.5	23.3#
179	0.0	13.6	20.4#



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

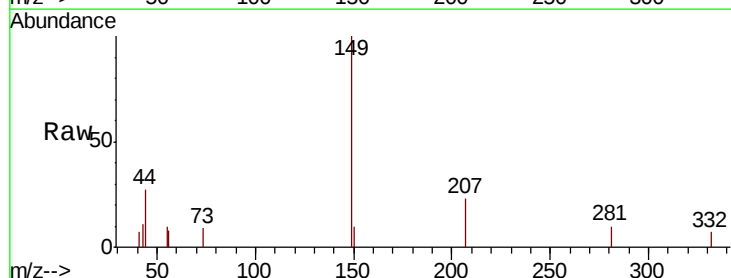


Time-->

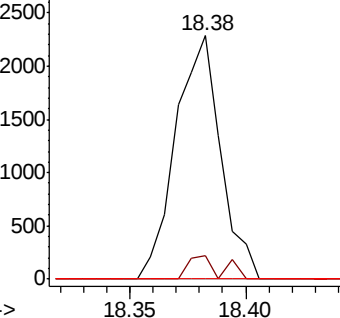


#74
 Di-n-butylphthalate
 Concen: 0.168 ng
 RT: 18.38 min Scan# 2603
 Delta R.T. 0.01 min
 Lab File: BG042344.D
 Acq: 20 Aug 2019 2:17

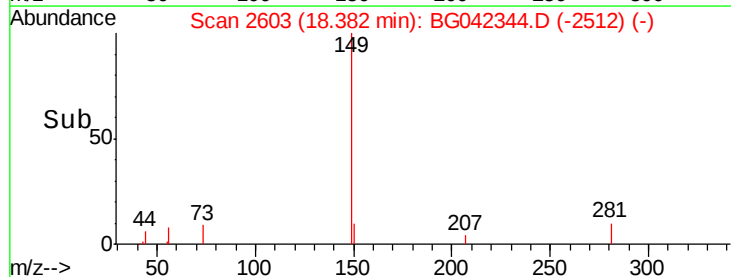
Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.6	8.4	12.6
104	0.0	3.7	5.5#

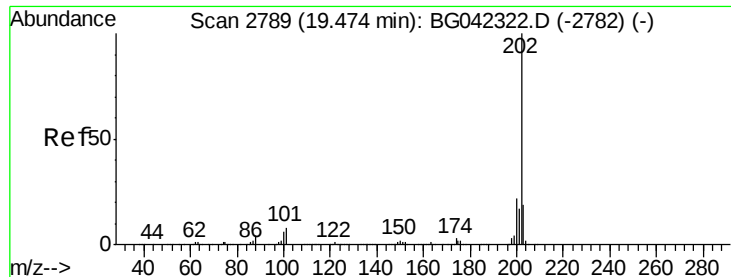


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E



Time-->





#75

Fluoranthene

Concen: 0.012 ng

RT: 19.47 min Scan# 2788

Delta R.T. -0.01 min

Lab File: BG042344.D

Acq: 20 Aug 2019 2:17

Instrument :

BNA_G

ClientSampleId :

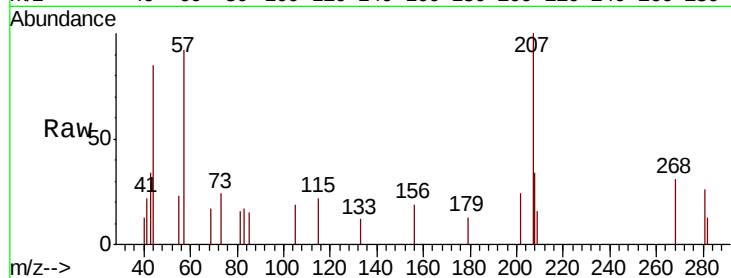
Tot Ion:202 Resp: 254

Ion Ratio Lower Upper

202 100

101 0.0 0.0 28.0

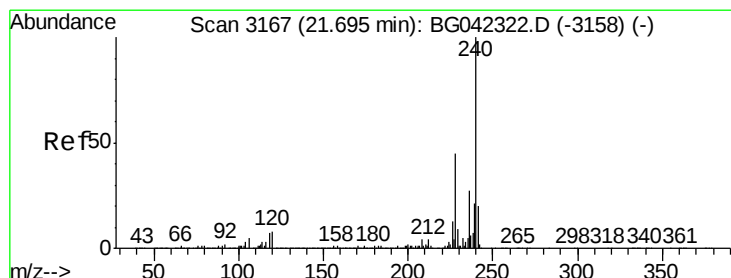
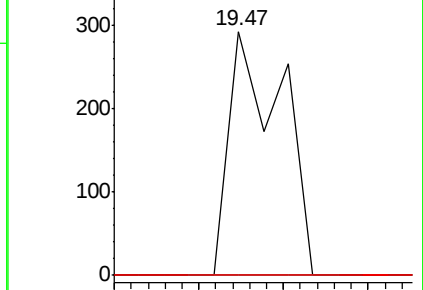
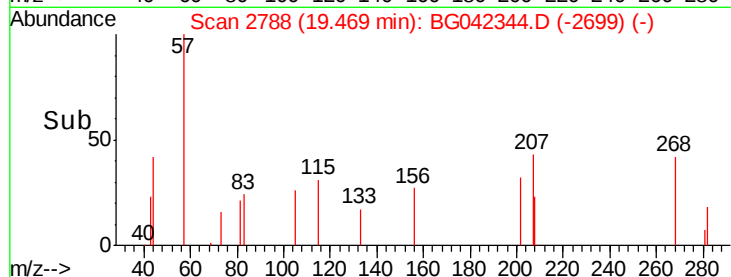
203 0.0 0.0 39.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.69 min Scan# 3166

Delta R.T. -0.00 min

Lab File: BG042344.D

Acq: 20 Aug 2019 2:17

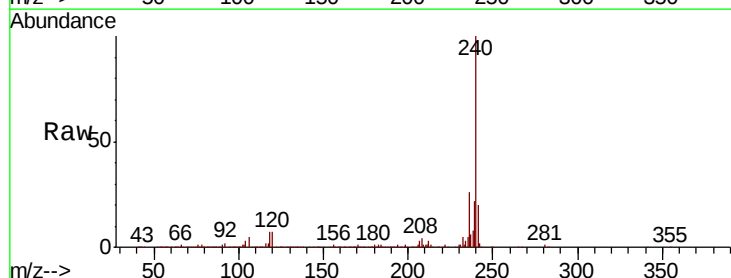
Tgt Ion:240 Resp: 365392

Ion Ratio Lower Upper

240 100

120 6.7 6.0 9.0

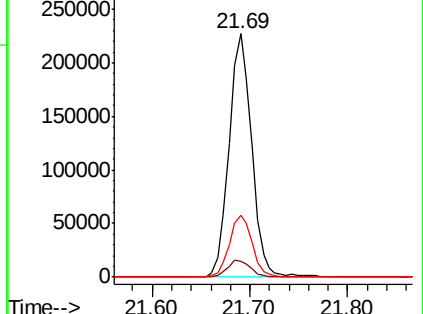
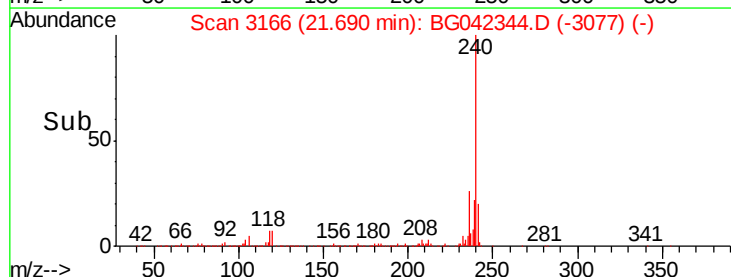
236 25.6 21.6 32.4

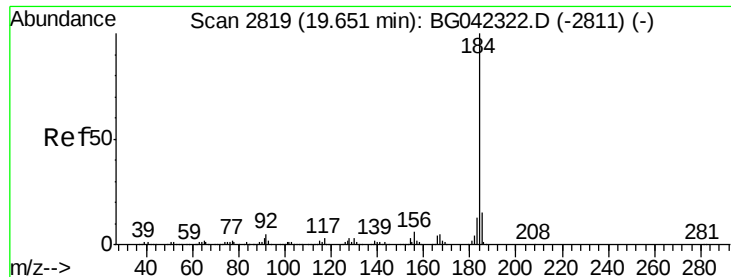


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 0.375 ng

RT: 19.66 min Scan# 2821

Delta R.T. 0.01 min

Lab File: BG042344.D

Acq: 20 Aug 2019 2:17

Instrument :

BNA_G

ClientSampleId :

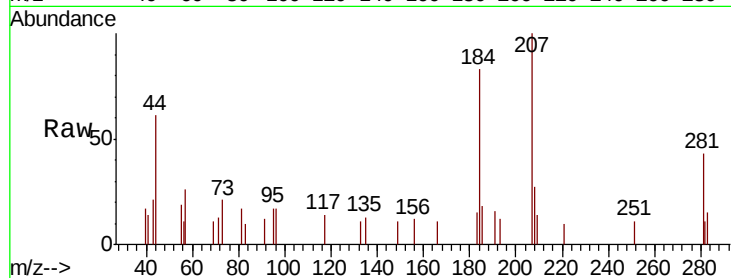
Tot Ion:184 Resp: 3629

Ion Ratio Lower Upper

184 100

185 21.2 11.8 17.6#

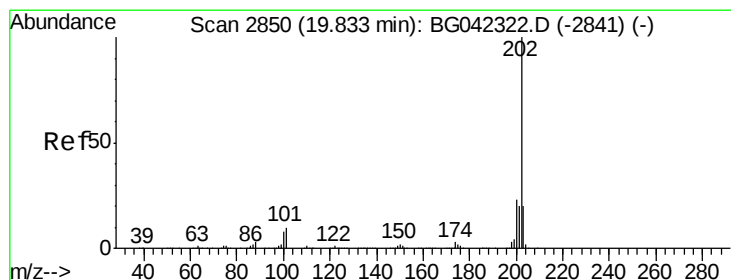
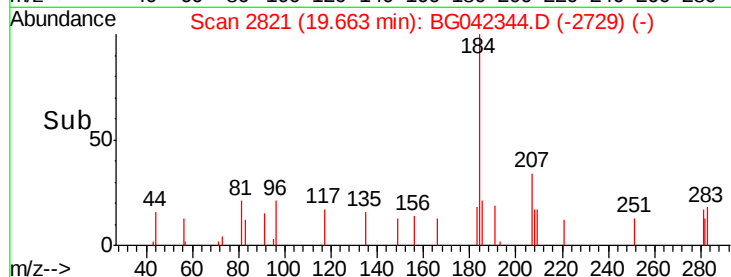
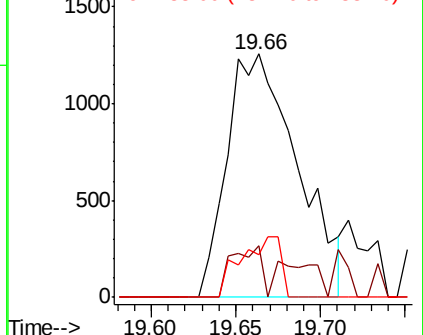
183 17.7 10.6 15.8#



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

Pyrene

Concen: 0.010 ng

RT: 19.83 min Scan# 2850

Delta R.T. 0.00 min

Lab File: BG042344.D

Acq: 20 Aug 2019 2:17

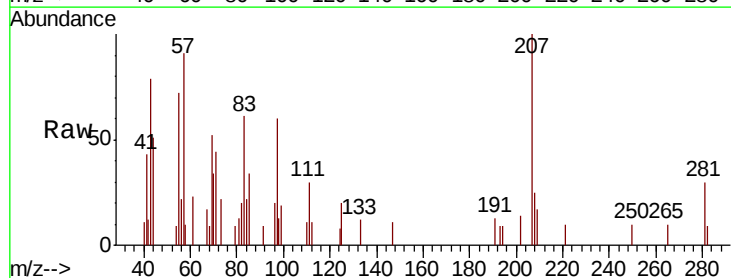
Tgt Ion:202 Resp: 227

Ion Ratio Lower Upper

202 100

200 0.0 18.1 27.1#

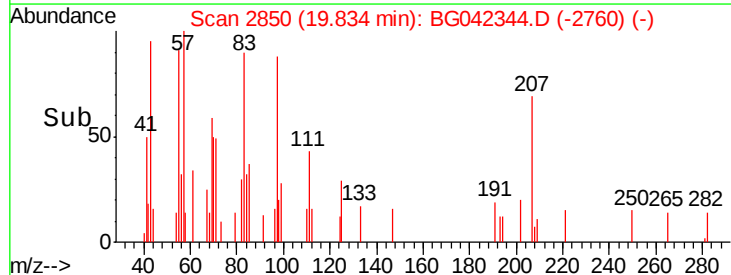
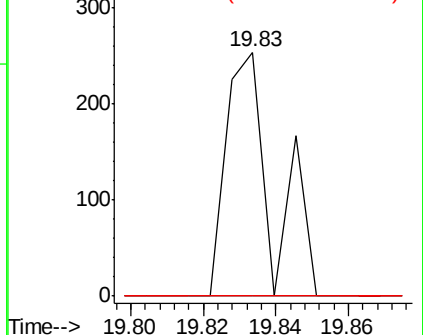
203 0.0 15.8 23.8#

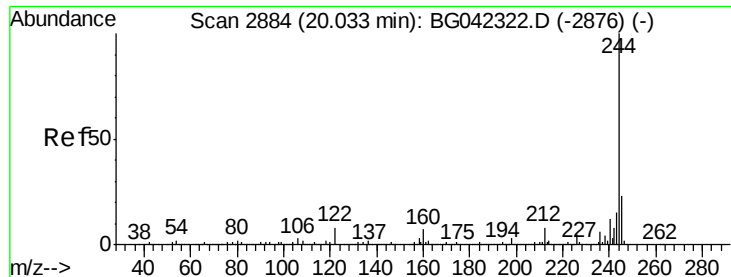


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 91.635 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.00 min

Lab File: BG042344.D

Acq: 20 Aug 2019 2:17

Instrument :

BNA_G

ClientSampleId :

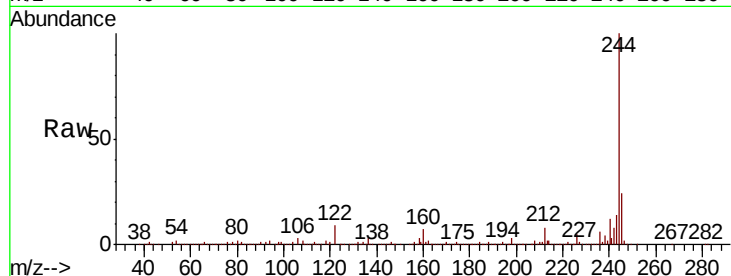
Tot Ion:244 Resp: 1528693

Ion Ratio Lower Upper

244 100

212 8.2 6.4 9.6

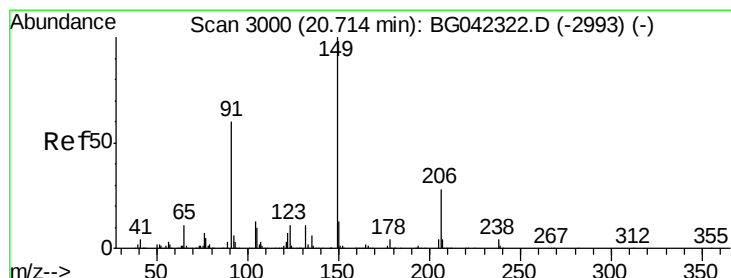
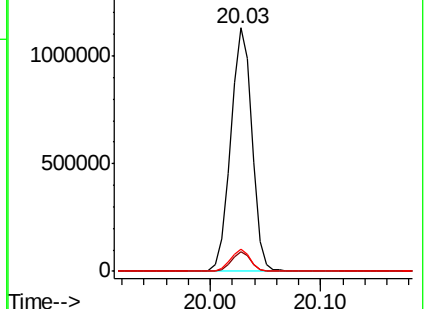
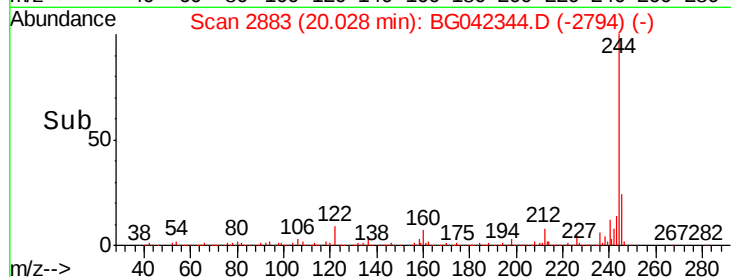
122 9.2 6.6 10.0



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



#80

Butylbenzylphthalate

Concen: 0.083 ng

RT: 20.71 min Scan# 3000

Delta R.T. 0.00 min

Lab File: BG042344.D

Acq: 20 Aug 2019 2:17

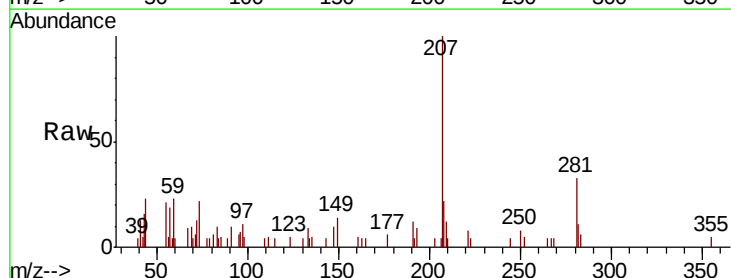
Tgt Ion:149 Resp: 736

Ion Ratio Lower Upper

149 100

91 70.8 47.8 71.6

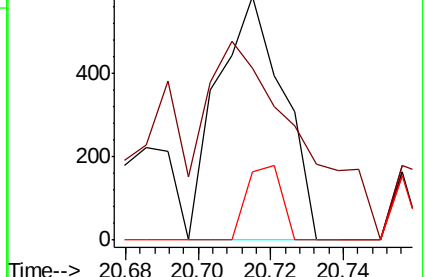
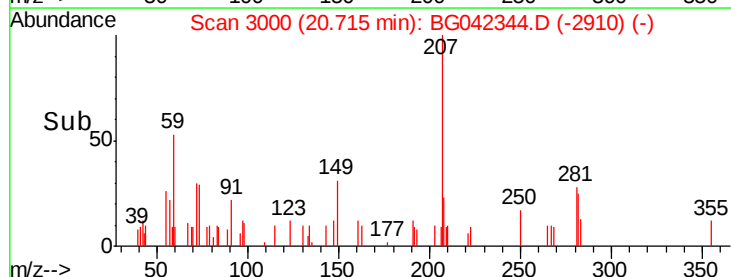
206 28.1 22.6 33.8

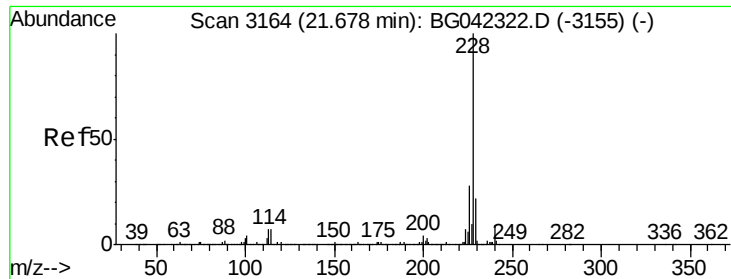


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 0.051 ng

RT: 21.69 min Scan# 3166

Delta R.T. 0.01 min

Lab File: BG042344.D

Acq: 20 Aug 2019 2:17

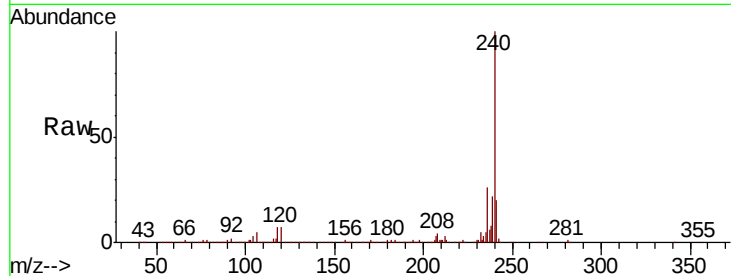
Instrument :

BNA_G

ClientSampleId :

Tot Ion:228 Resp: 1154

Ion	Ratio	Lower	Upper
228	100		
226	0.0	22.7	34.1#
229	27.0	17.4	26.2#

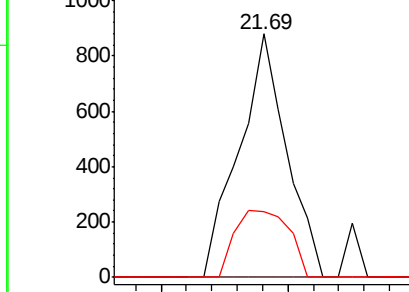
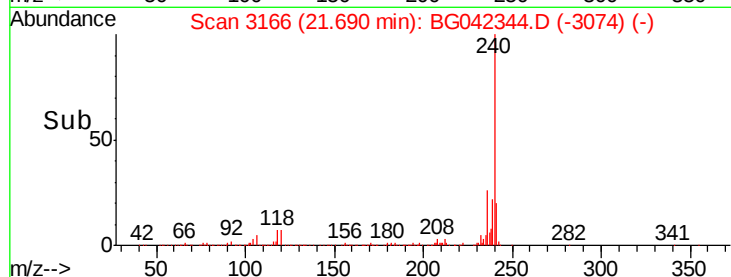


Abundance

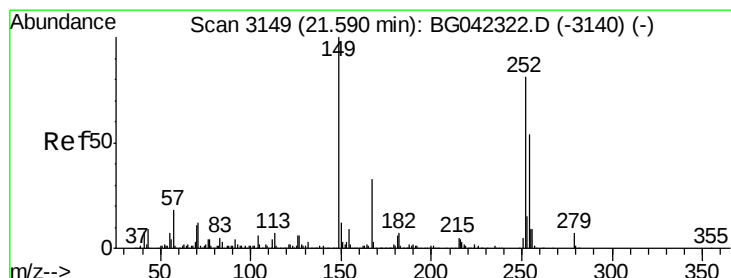
Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#82

3,3'-Dichlorobenzidine

Concen: 0.030 ng

RT: 21.57 min Scan# 3146

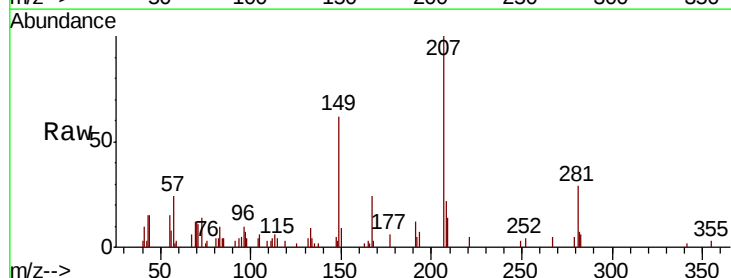
Delta R.T. -0.02 min

Lab File: BG042344.D

Acq: 20 Aug 2019 2:17

Tgt Ion:252 Resp: 268

Ion	Ratio	Lower	Upper
252	100		
254	0.0	53.0	79.6#
126	0.0	6.2	9.2#

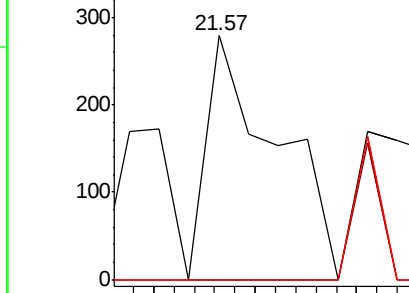
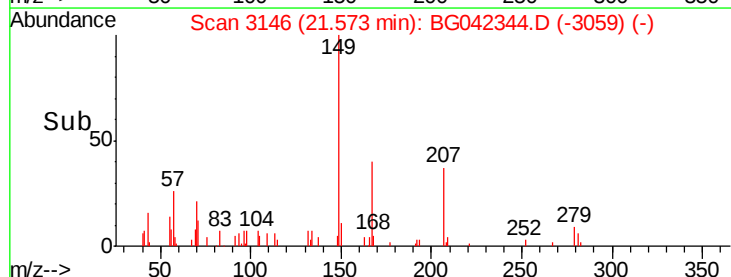


Abundance

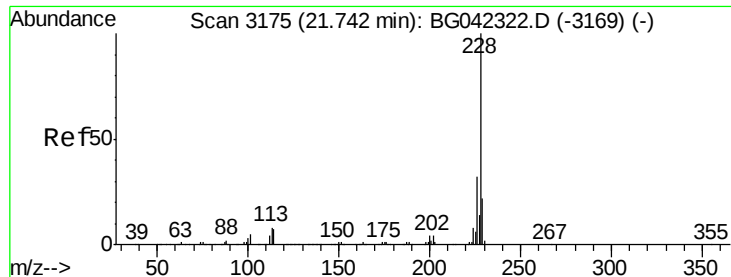
Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



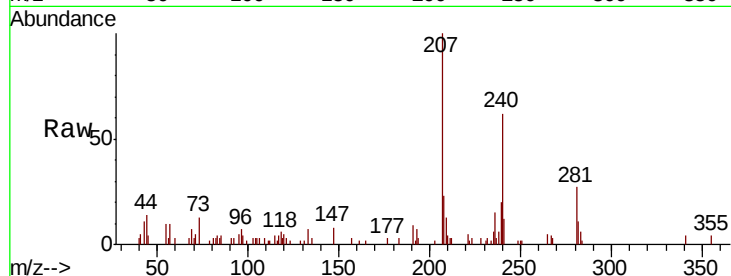
Time-->



#83
Chrysene
Concen: 0.003 ng
RT: 21.73 min Scan# 3172
Delta R.T. -0.02 min
Lab File: BG042344.D
Acq: 20 Aug 2019 2:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	0.0	25.6	38.4#
229	0.0	17.8	26.6#

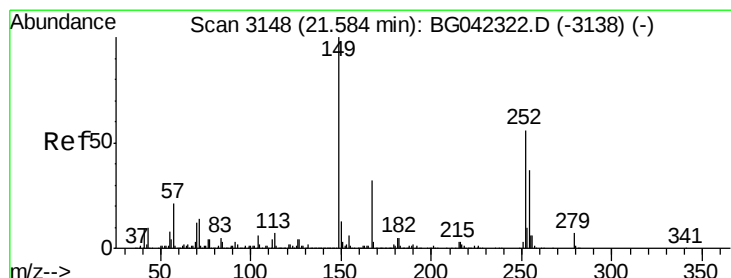
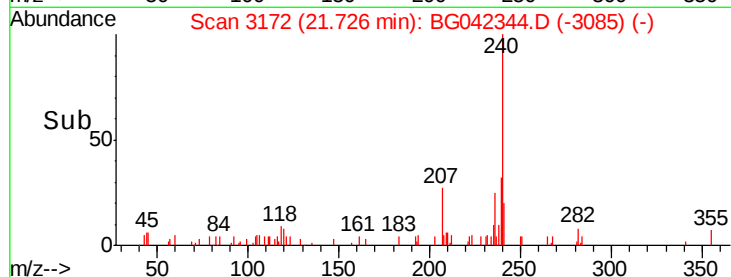
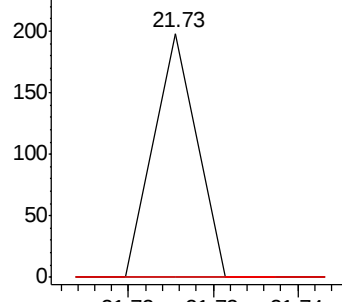


Abundance

Ion 228.00 (227.70 to 228.70): E

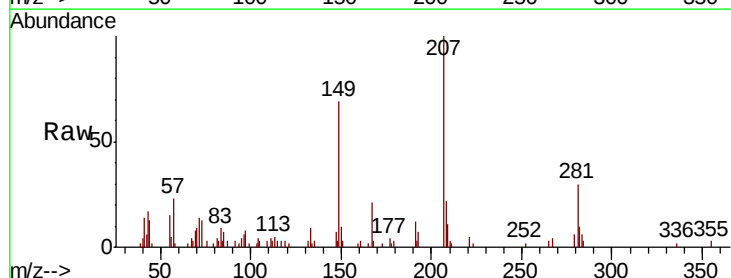
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84
Bis(2-ethylhexyl)phthalate
Concen: 0.584 ng
RT: 21.58 min Scan# 3147
Delta R.T. -0.00 min
Lab File: BG042344.D
Acq: 20 Aug 2019 2:17

Tgt Ion	Ratio	Lower	Upper
149	100		
167	30.2	25.4	38.0
279	8.9	5.8	8.6#

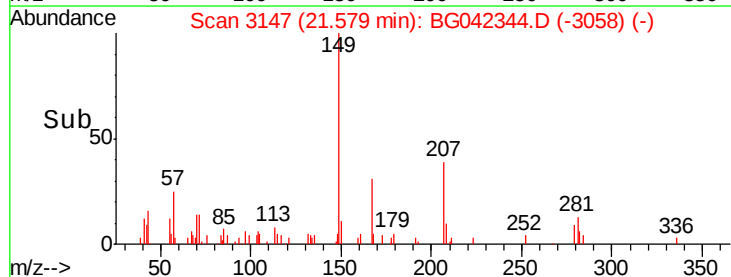
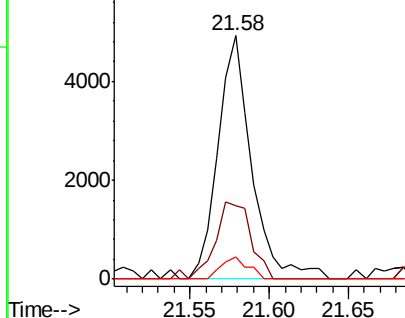


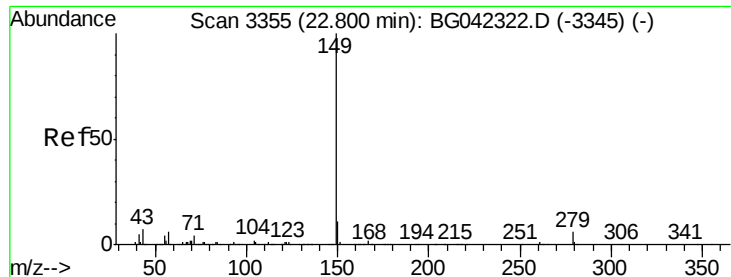
Abundance

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





#85

Di-n-octyl phthalate

Concen: 0.011 ng

RT: 22.79 min Scan# 3353

Delta R.T. -0.01 min

Lab File: BG042344.D

Acq: 20 Aug 2019 2:17

Instrument :

BNA_G

ClientSampled :

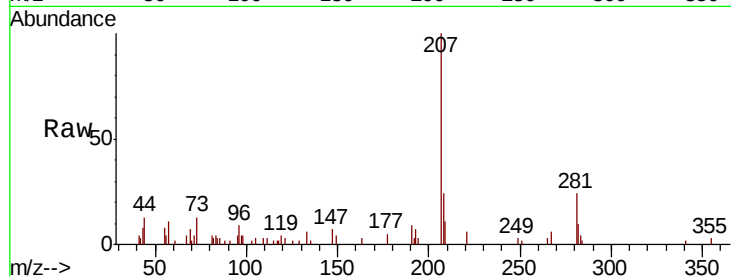
Tot Ion:149 Resp: 238

Ion Ratio Lower Upper

149 100

167 0.0 1.4 2.2#

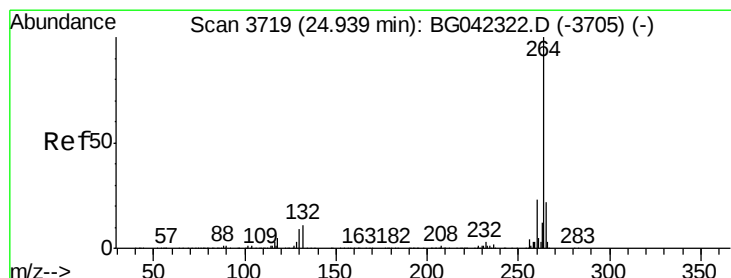
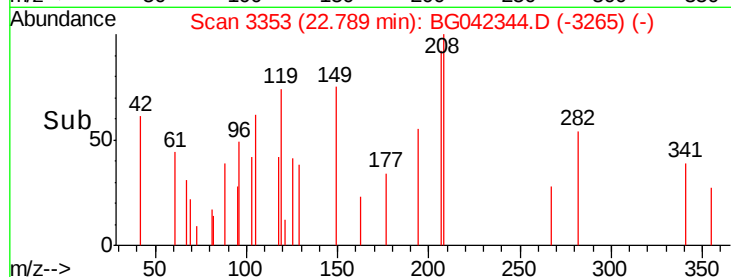
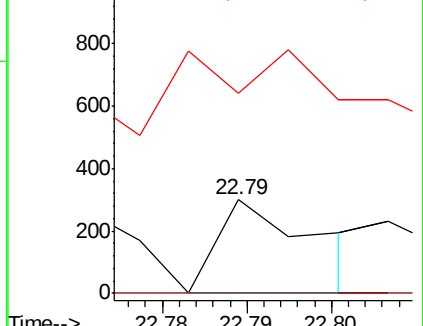
43 0.0 5.4 8.2#



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.93 min Scan# 3717

Delta R.T. -0.01 min

Lab File: BG042344.D

Acq: 20 Aug 2019 2:17

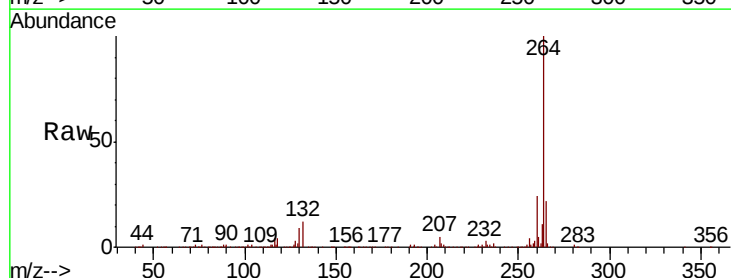
Tgt Ion:264 Resp: 426273

Ion Ratio Lower Upper

264 100

260 23.9 18.4 27.6

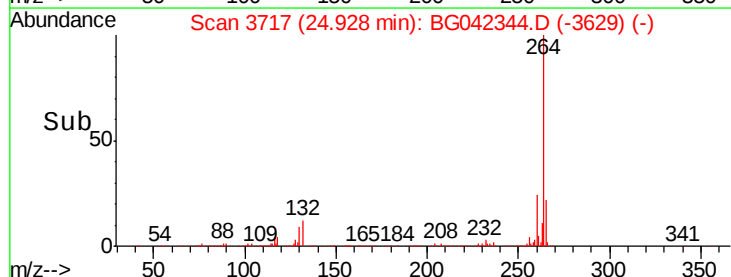
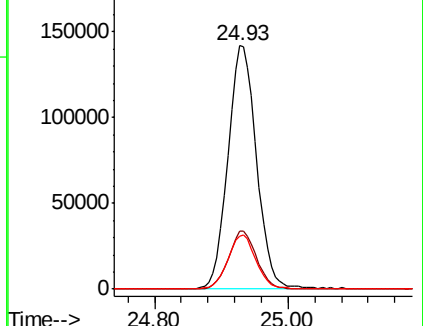
265 21.7 17.4 26.0

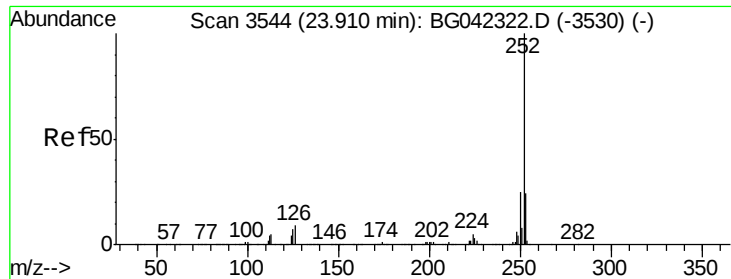


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 0.017 ng

RT: 23.92 min Scan# 3546

Delta R.T. 0.01 min

Lab File: BG042344.D

Acq: 20 Aug 2019 2:17

Instrument :

BNA_G

ClientSampleId :

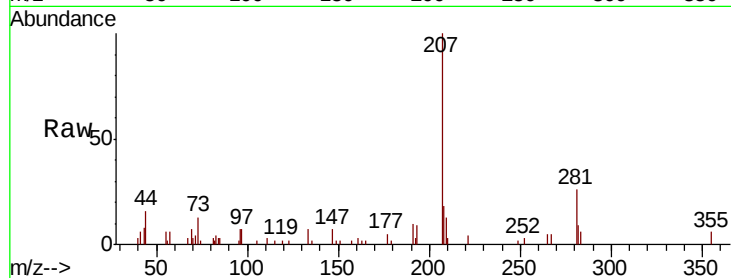
Tot Ion:252 Resp: 403

Ion Ratio Lower Upper

252 100

253 0.0 18.9 28.3#

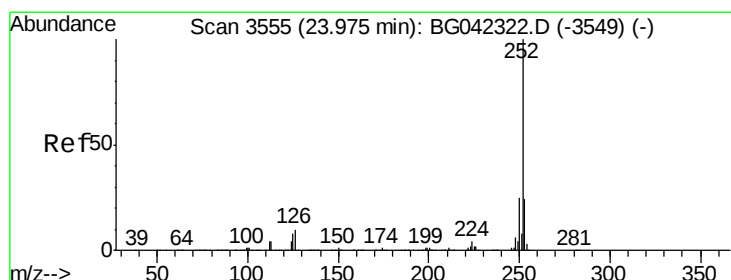
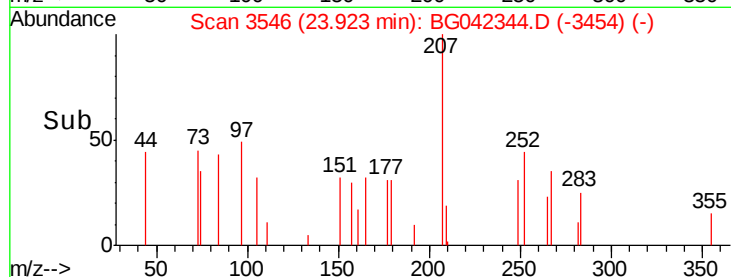
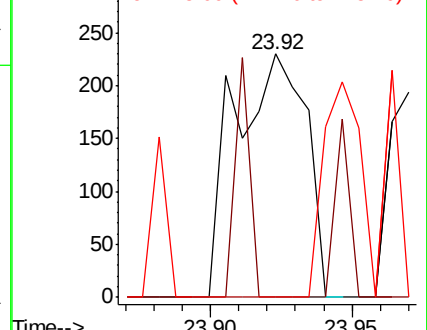
125 0.0 5.8 8.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 0.006 ng

RT: 23.97 min Scan# 3554

Delta R.T. -0.00 min

Lab File: BG042344.D

Acq: 20 Aug 2019 2:17

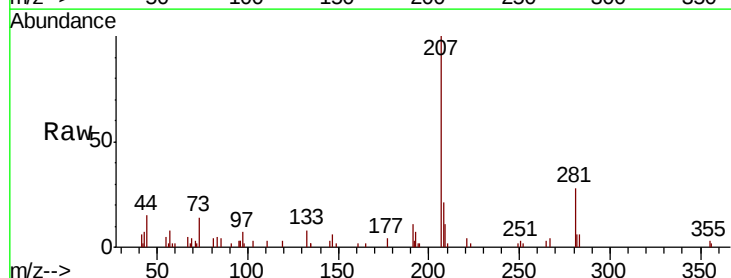
Tgt Ion:252 Resp: 127

Ion Ratio Lower Upper

252 100

253 0.0 19.0 28.4#

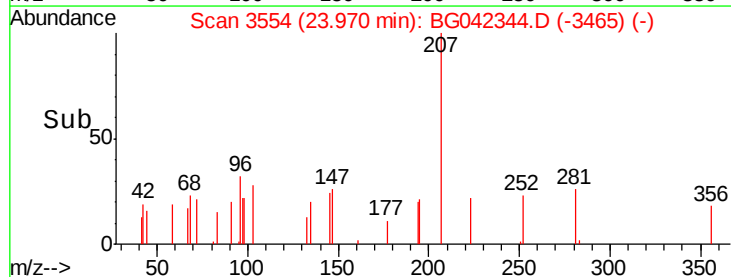
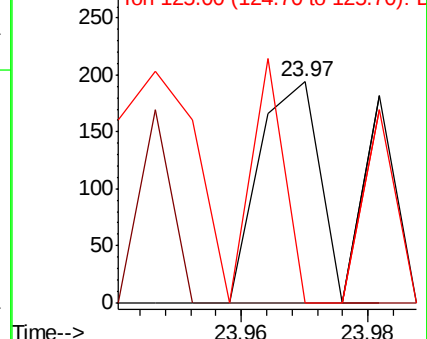
125 0.0 6.0 9.0#

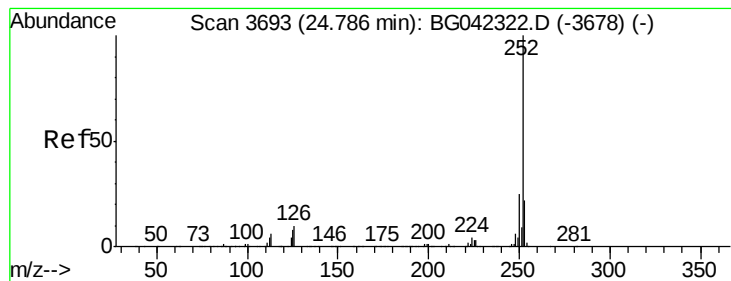


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90
 Benzo(a)pyrene
 Concen: 0.013 ng
 RT: 24.77 min Scan# 3691
 Delta R.T. -0.01 min
 Lab File: BG042344.D
 Acq: 20 Aug 2019 2:17

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion: 252 Resp: 291
 Ion Ratio Lower Upper
 252 100
 253 0.0 17.9 26.9#
 125 101.8 6.7 10.1#

