

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082719\
 Data File : BG042510.D
 Acq On : 27 Aug 2019 18:51
 Operator : HP/JU
 Sample : K4551-17
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 28 04:52:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 14:29:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	30396	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	116295	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	86932	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	215878	20.00	ng	0.00
76) Chrysene-d12	21.68	240	300647	20.00	ng	-0.01
87) Perylene-d12	24.92	264	354807	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.55	112	145839	97.17	ng	0.00
7) Phenol-d6	7.16	99	188866	93.16	ng	-0.01
23) Nitrobenzene-d5	9.17	82	108532	64.49	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	108647	87.93	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	309626	60.24	ng	0.00
79) Terphenyl-d14	20.02	244	722534	51.96	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.39	88	237	0.378	ng	# 81
4) n-Nitrosodimethylamine	3.69	42	234	0.408	ng	# 1
6) Aniline	7.53	93	151	0.056	ng	# 1
9) Benzaldehyde	7.16	77	293	0.289	ng	# 1
10) Phenol	7.19	94	14158	6.869	ng	95
11) bis(2-Chloroethyl)ether	7.53	93	151	0.093	ng	# 1
15) Benzyl Alcohol	8.33	79	1811	1.242	ng	# 58
19) n-Nitroso-di-n-propylamine	9.16	70	13173	10.030	ng	# 71
24) Nitrobenzene	9.16	77	149	0.087	ng	# 33
25) Isophorone	9.44	82	118	0.036	ng	# 59
46) 1,1'-Biphenyl	13.50	154	296	0.053	ng	# 40
48) 2-Nitroaniline	14.12	65	59	0.050	ng	# 1
50) Dimethylphthalate	14.12	163	36231	5.776	ng	99
51) 2,6-Dinitrotoluene	14.66	165	11362	7.815	ng	# 36
52) Acenaphthene	14.66	154	191	0.043	ng	# 4
57) 2,4-Dinitrotoluene	14.66	165	11362	5.457	ng	# 38
58) Fluorene	16.15	166	3685	0.615	ng	# 83
63) Azobenzene	16.15	77	151	0.036	ng	# 17
65) 4,6-Dinitro-2-methylphenol	16.15	198	64	0.047	ng	# 1
66) n-Nitrosodiphenylamine	16.15	169	2766	0.466	ng	# 44
67) 4-Bromophenyl-phenylether	16.15	248	7339	2.680	ng	# 1
71) Phenanthrene	17.45	178	4170	0.389	ng	# 95
72) Anthracene	17.45	178	4170	0.390	ng	95
73) Carbazole	17.84	167	64	0.007	ng	# 58
74) Di-n-butylphthalate	18.38	149	521	0.046	ng	# 77
75) Fluoranthene	19.47	202	12492	0.955	ng	99
77) Benzidine	20.02	184	8581	0.996	ng	# 93
78) Pyrene	19.47	202	12492	0.678	ng	99
80) Butylbenzylphthalate	20.71	149	78	0.011	ng	# 30
81) Benzo(a)anthracene	21.67	228	6540	0.358	ng	92
82) 3,3'-Dichlorobenzidine	21.33	252	65	0.009	ng	# 1
83) Chrysene	21.73	228	7612	0.432	ng	94
84) Bis(2-ethylhexyl)phthalate	21.57	149	1163	0.116	ng	# 94
85) Di-n-octyl phthalate	22.80	149	57	0.003	ng	# 84

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Quant Time: Aug 28 04:52:17 2019
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 22 14:29:15 2019
Response via : Initial Calibration

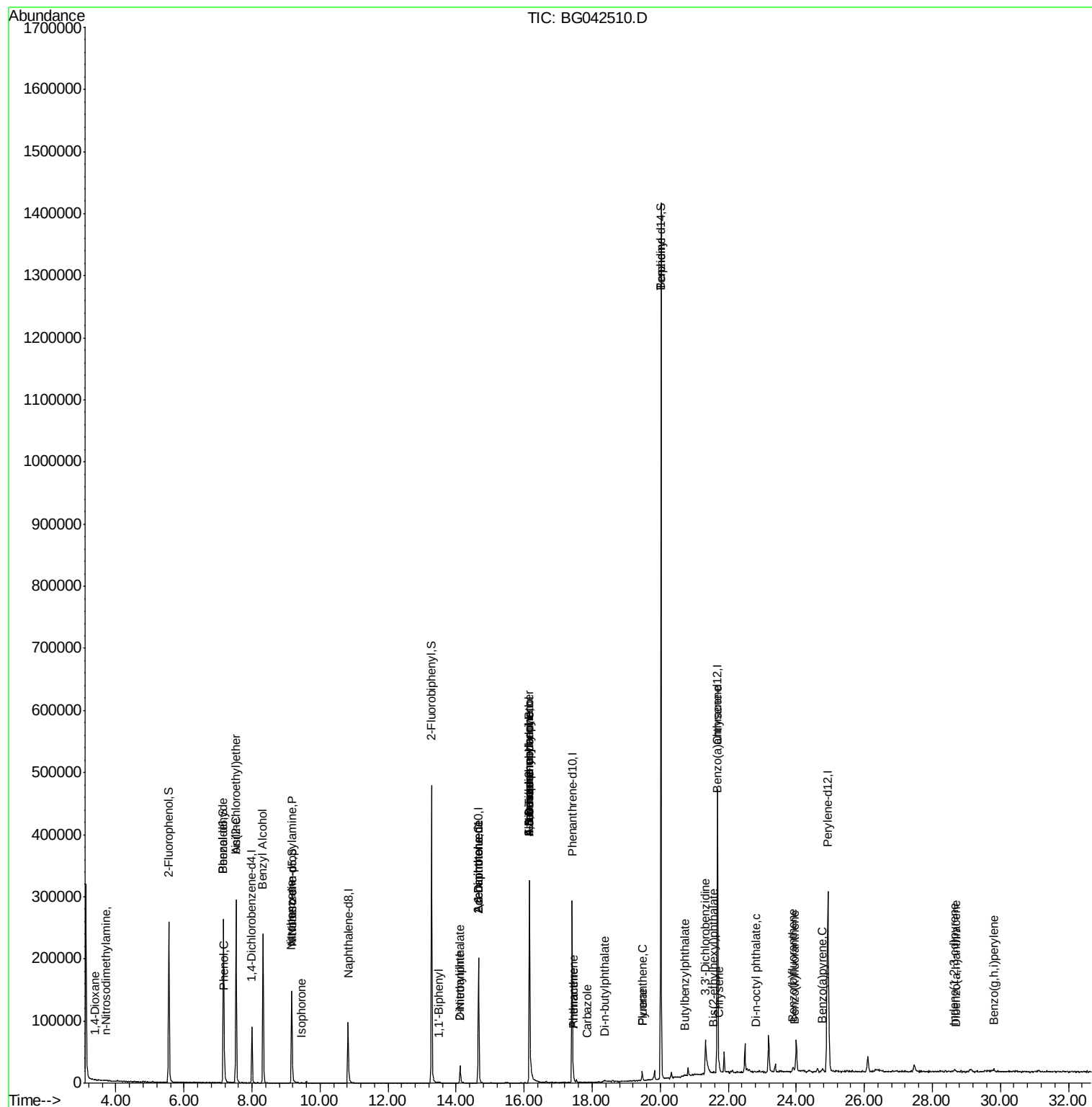
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) Indeno(1,2,3-cd)pyrene	28.63	276	4370	0.182	ng	# 61
88) Benzo(b)fluoranthene	23.90	252	10993	0.564	ng	# 96
89) Benzo(k)fluoranthene	23.96	252	4784	0.255	ng	# 94
90) Benzo(a)pyrene	24.77	252	6865	0.371	ng	# 87
91) Dibenzo(a,h)anthracene	28.70	278	201	0.011	ng	# 58
92) Benzo(a,h,i)perylene	29.79	276	5976	0.319	ng	# 86

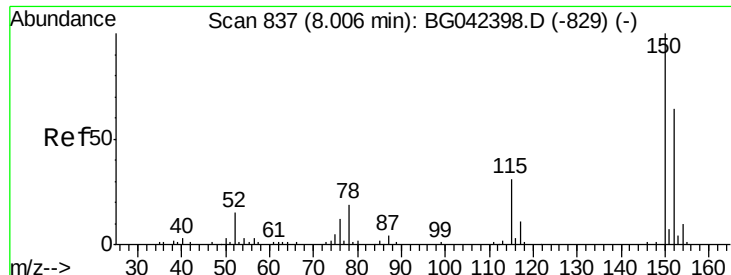
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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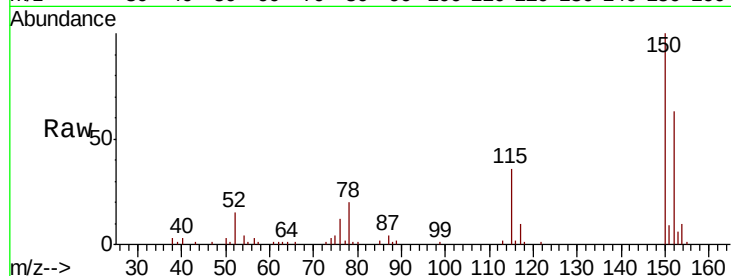


#1

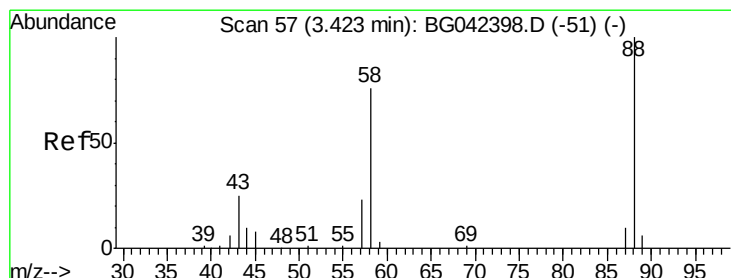
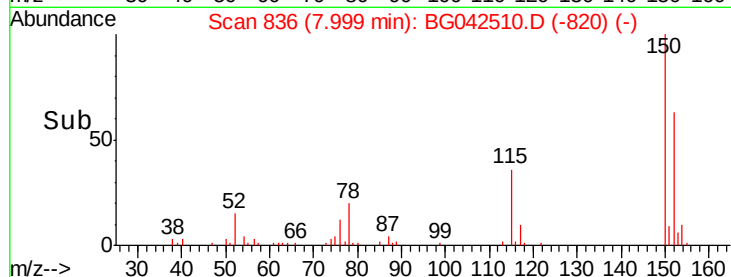
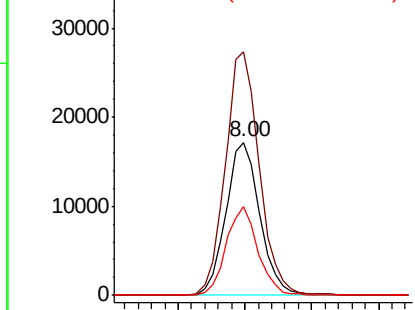
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG042510.D
Acq: 27 Aug 2019 18:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	125.4	188.0
115	57.5	38.5	57.7



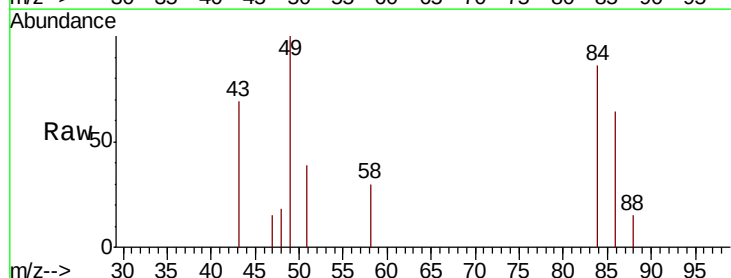
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



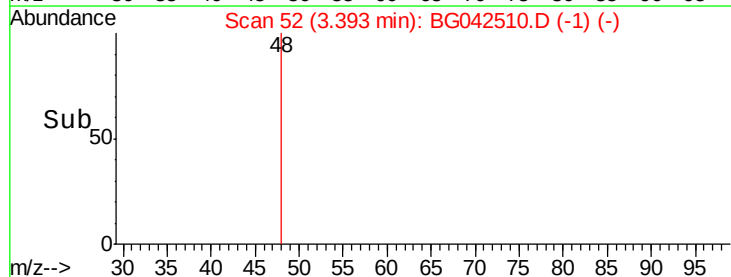
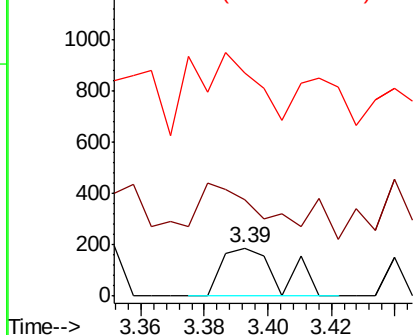
#2

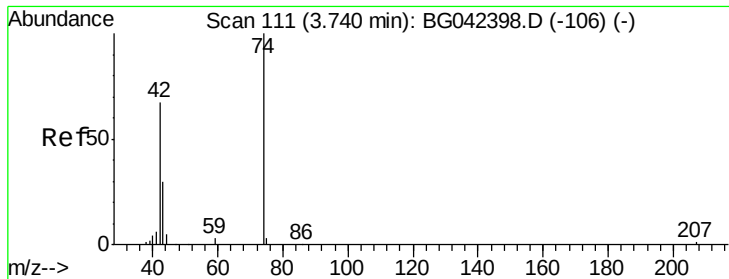
1,4-Dioxane
Concen: 0.378 ng
RT: 3.39 min Scan# 52
Delta R.T. -0.03 min
Lab File: BG042510.D
Acq: 27 Aug 2019 18:51

Tgt Ion	Ratio	Lower	Upper
88	100		
58	79.7	58.3	87.5
43	0.0	20.2	30.2



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



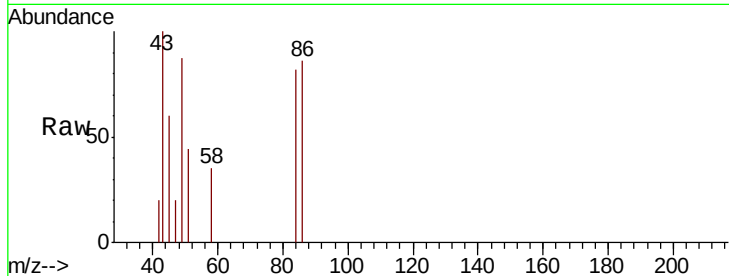


#4

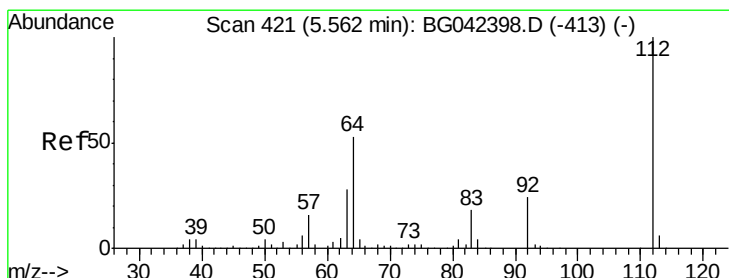
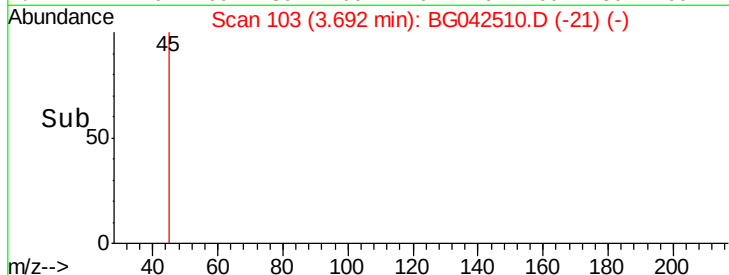
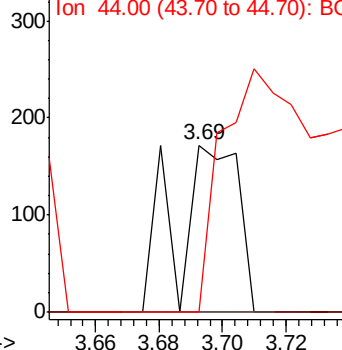
n-Nitrosodimethylamine
 Concen: 0.408 ng
 RT: 3.69 min Scan# 103
 Delta R.T. -0.05 min
 Lab File: BG042510.D
 Acq: 27 Aug 2019 18:51

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion: 42 Resp: 234
 Ion Ratio Lower Upper
 42 100
 74 0.0 119.6 179.4#
 44 0.0 6.5 9.7#



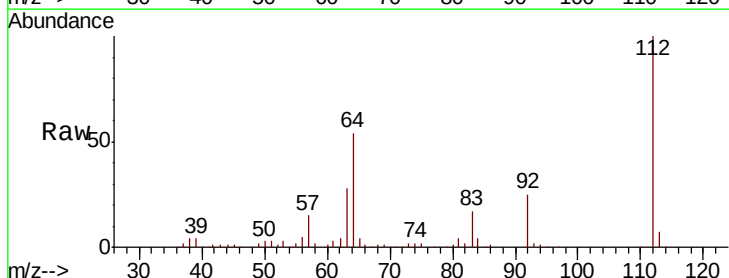
Abundance Ion 42.00 (41.70 to 42.70): BGC
 Ion 74.00 (73.70 to 74.70): BGC
 Ion 44.00 (43.70 to 44.70): BGC



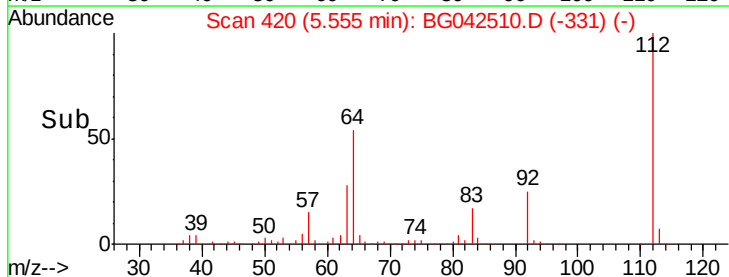
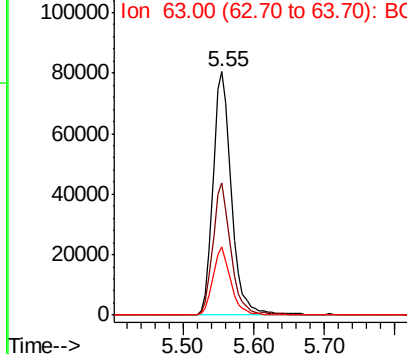
#5

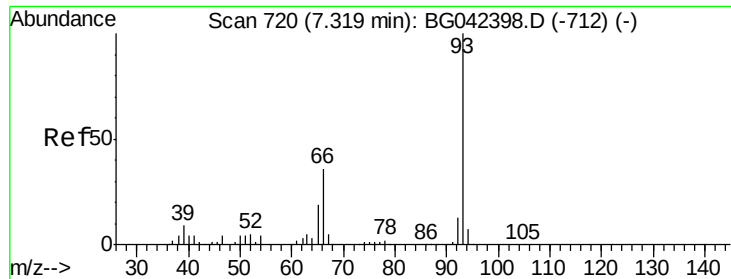
2-Fluorophenol
 Concen: 97.173 ng
 RT: 5.55 min Scan# 420
 Delta R.T. -0.01 min
 Lab File: BG042510.D
 Acq: 27 Aug 2019 18:51

Tgt Ion: 112 Resp: 145839
 Ion Ratio Lower Upper
 112 100
 64 54.3 42.8 64.2
 63 27.8 22.7 34.1



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: 0.056 ng

RT: 7.53 min Scan# 757

Delta R.T. 0.22 min

Lab File: BG042510.D

Acq: 27 Aug 2019 18:51

Instrument :

BNA_G

ClientSampled :

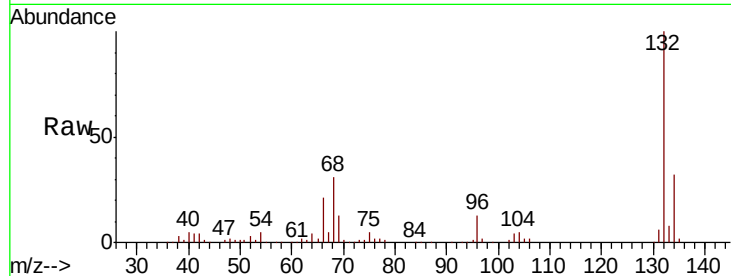
Tot Ion: 93 Resp: 151

Ion Ratio Lower Upper

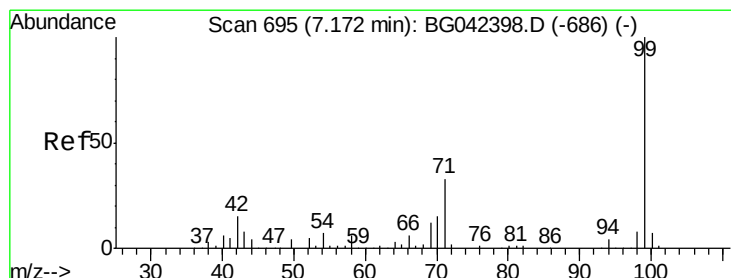
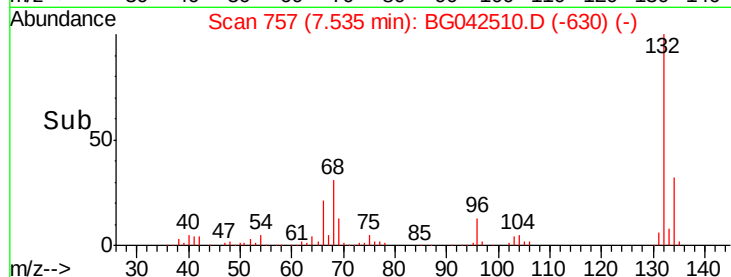
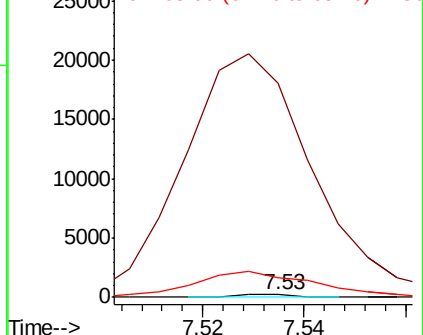
93 100

66 8230.1 29.0 43.6#

65 734.2 15.2 22.8#



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: 93.163 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042510.D

Acq: 27 Aug 2019 18:51

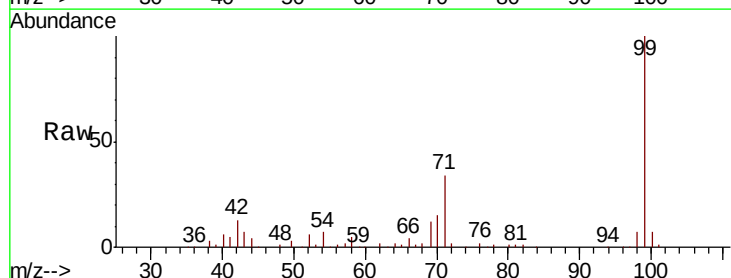
Tgt Ion: 99 Resp: 188866

Ion Ratio Lower Upper

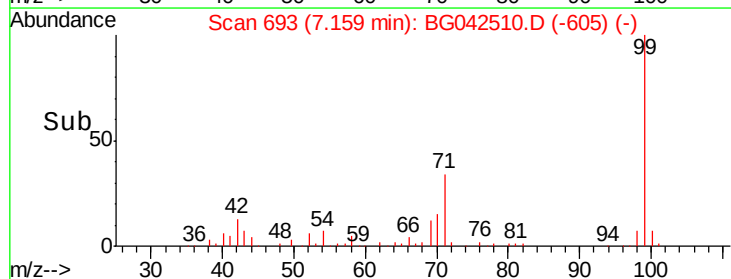
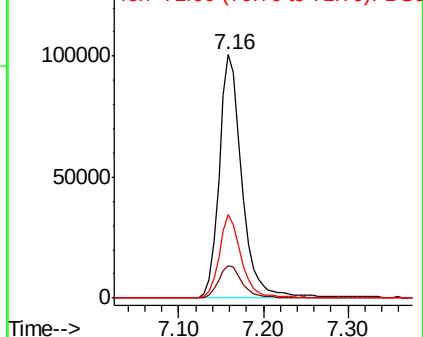
99 100

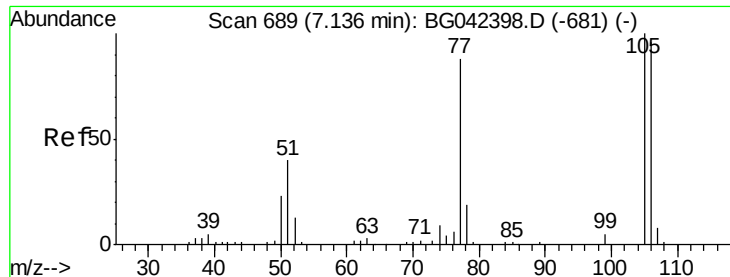
42 13.5 12.0 18.0

71 34.4 26.3 39.5



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: 0.289 ng

RT: 7.16 min Scan# 694

Delta R.T. 0.03 min

Lab File: BG042510.D

Acq: 27 Aug 2019 18:51

Instrument :

BNA_G

ClientSampled :

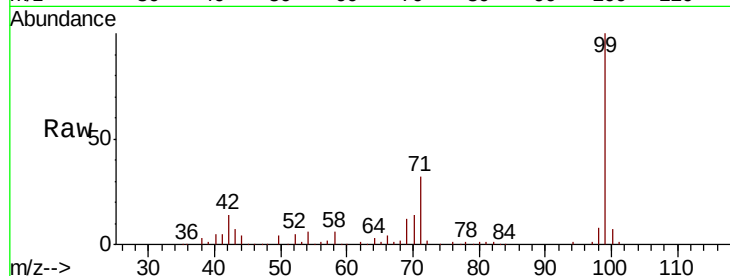
Tot Ion: 77 Resp: 293

Ion Ratio Lower Upper

77 100

105 0.0 93.4 133.4#

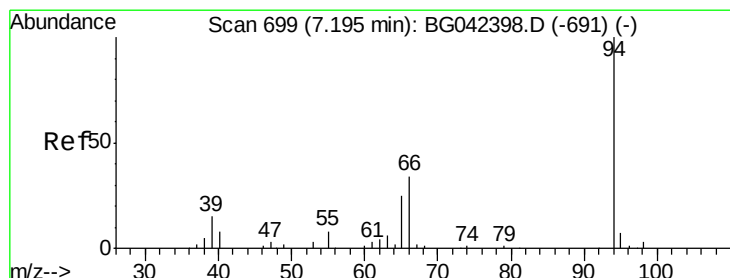
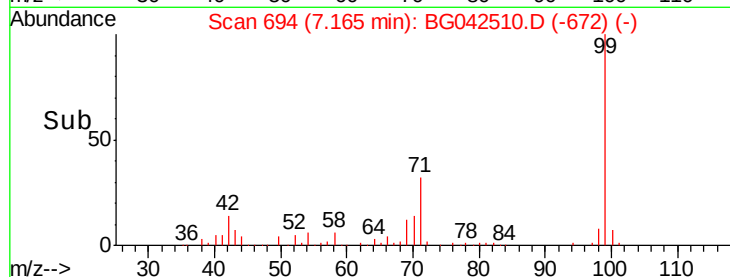
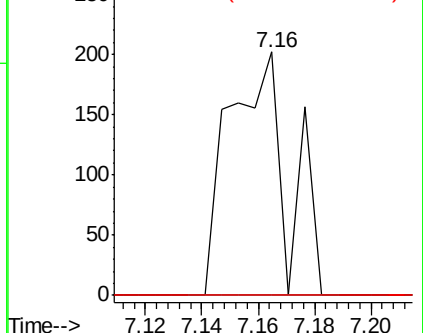
106 0.0 88.4 128.4#



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



#10

Phenol

Concen: 6.869 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG042510.D

Acq: 27 Aug 2019 18:51

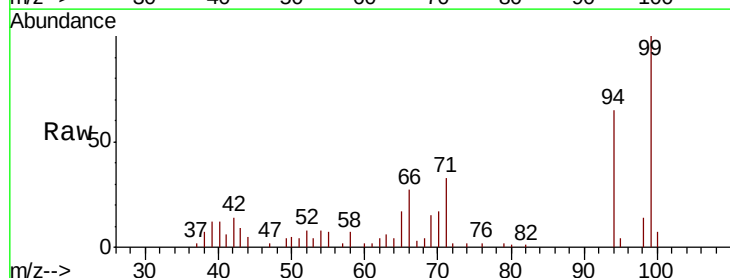
Tgt Ion: 94 Resp: 14158

Ion Ratio Lower Upper

94 100

65 25.4 5.6 45.6

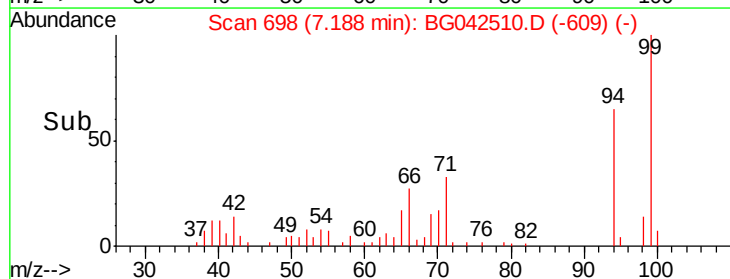
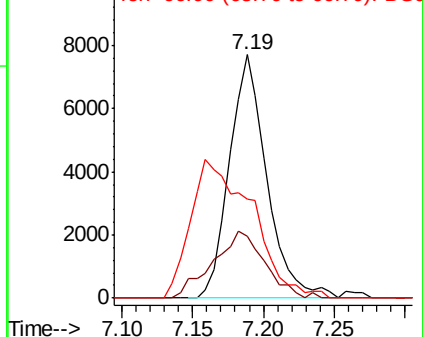
66 40.9 16.0 56.0

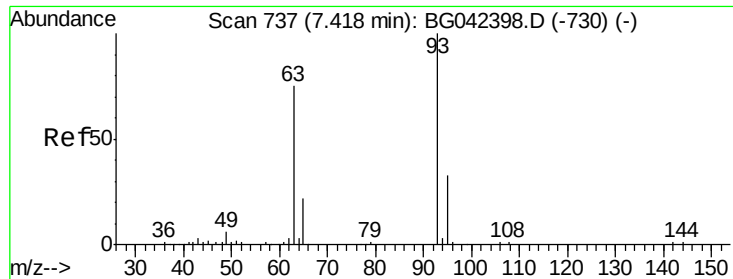


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#11

bis(2-Chloroethyl)ether

Concen: 0.093 ng

RT: 7.53 min Scan# 757

Delta R.T. 0.12 min

Lab File: BG042510.D

Acq: 27 Aug 2019 18:51

Instrument :

BNA_G

ClientSampled :

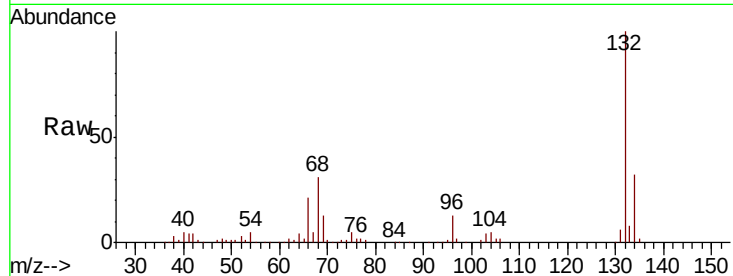
Tot Ion: 93 Resp: 151

Ion Ratio Lower Upper

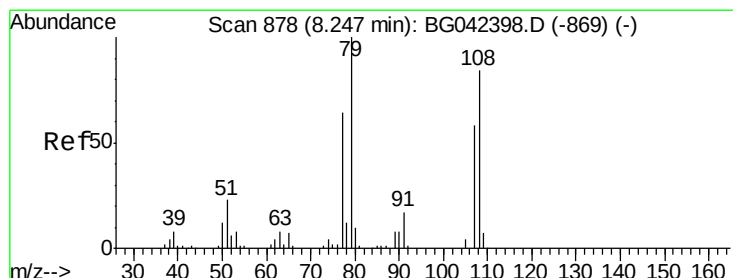
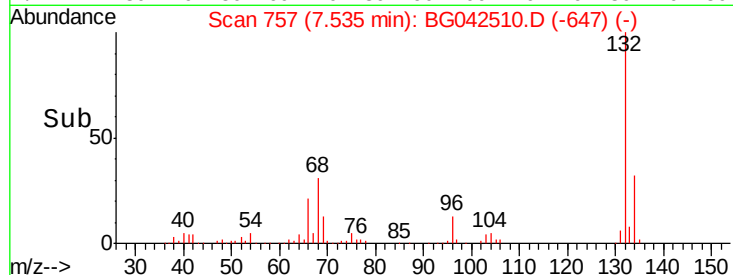
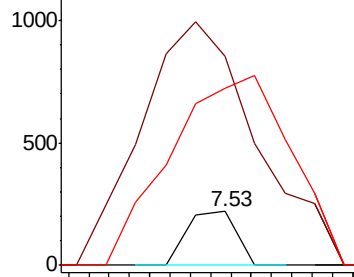
93 100

63 390.4 53.8 93.8#

95 329.2 13.1 53.1#



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: 1.242 ng

RT: 8.33 min Scan# 892

Delta R.T. 0.08 min

Lab File: BG042510.D

Acq: 27 Aug 2019 18:51

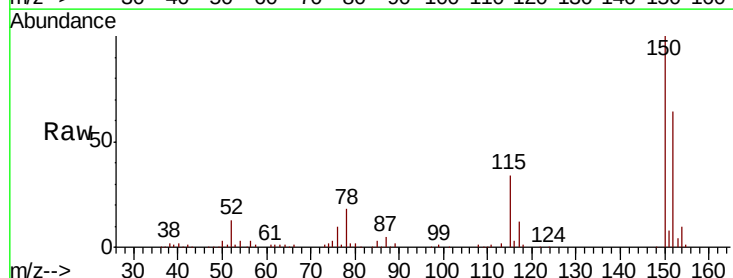
Tgt Ion: 79 Resp: 1811

Ion Ratio Lower Upper

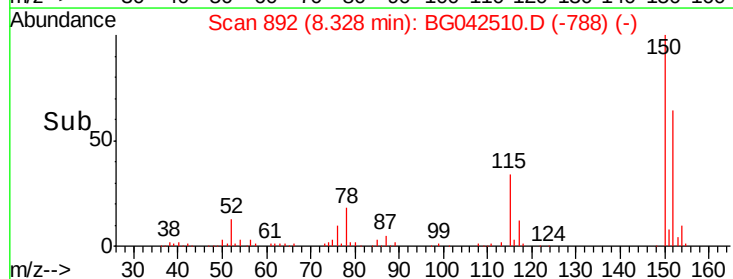
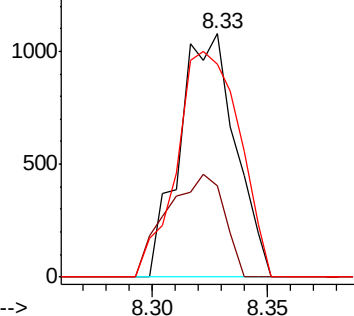
79 100

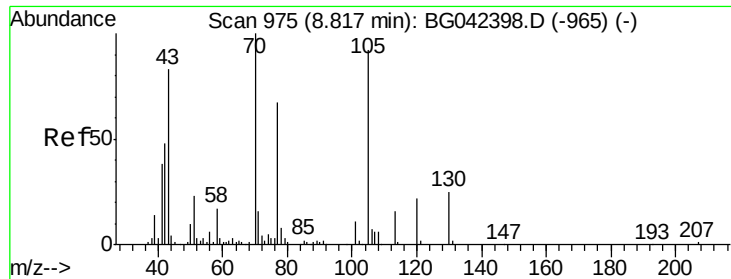
108 37.7 67.4 101.2#

77 87.3 50.8 76.2#



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: 10.030 ng

RT: 9.16 min Scan# 1034

Delta R.T. 0.35 min

Lab File: BG042510.D

Acq: 27 Aug 2019 18:51

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 13173

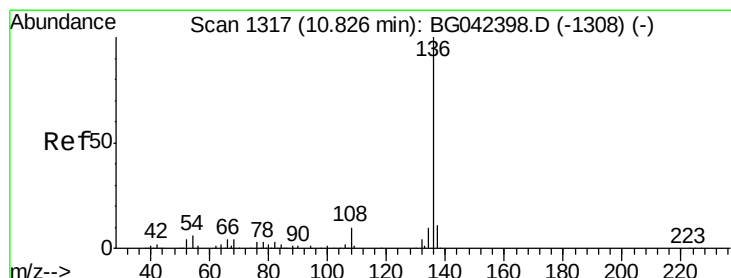
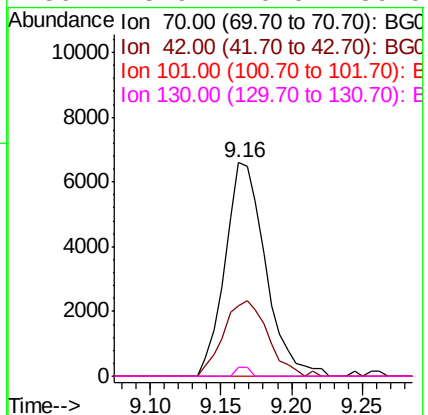
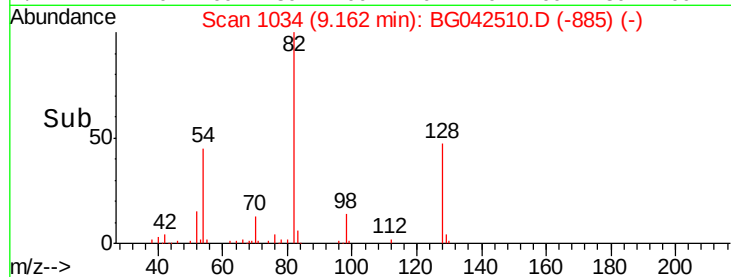
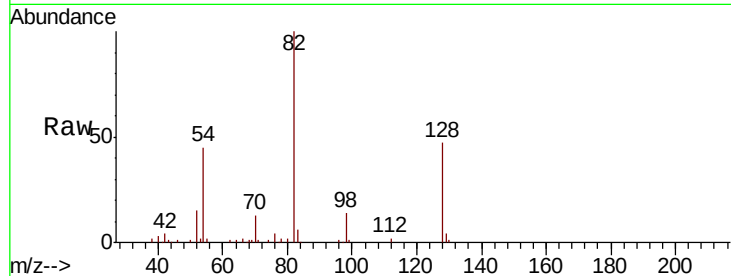
Ion Ratio Lower Upper

70 100

42 33.2 38.8 58.2#

101 0.0 9.0 13.6#

130 3.9 20.0 30.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.82 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BG042510.D

Acq: 27 Aug 2019 18:51

Tgt Ion: 136 Resp: 116295

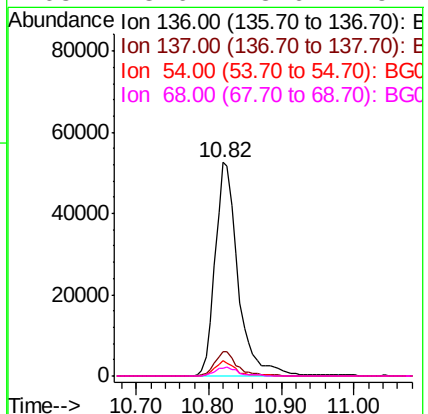
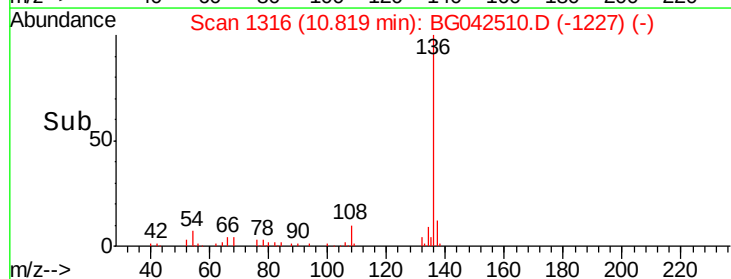
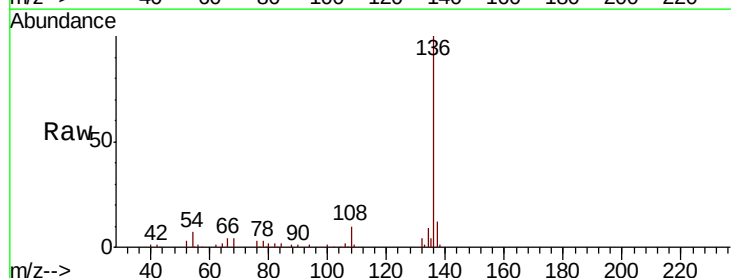
Ion Ratio Lower Upper

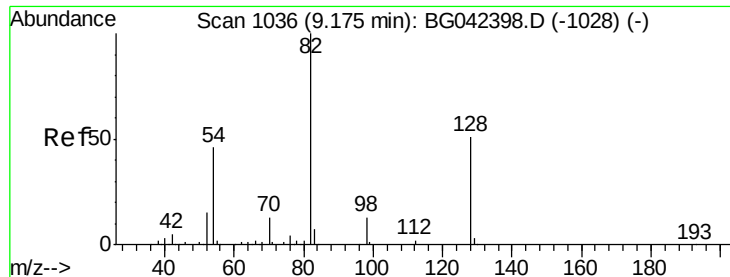
136 100

137 11.6 8.7 13.1

54 7.4 4.9 7.3#

68 3.6 3.6 5.4

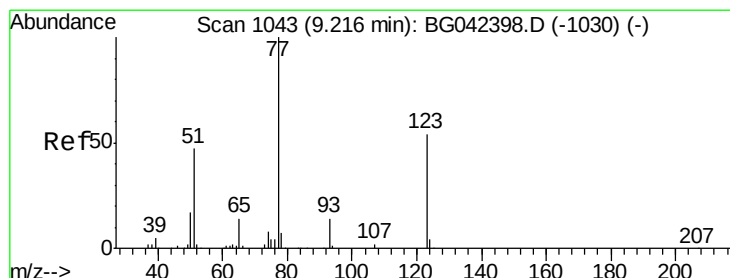
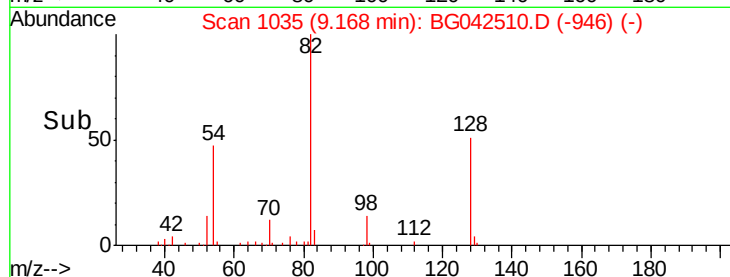
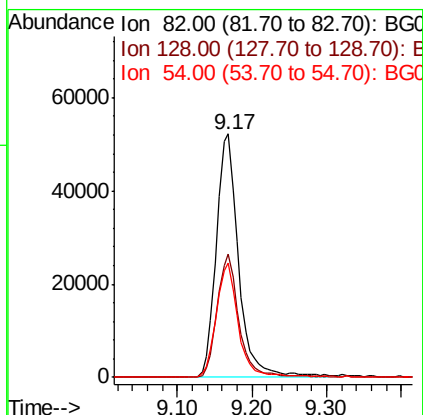
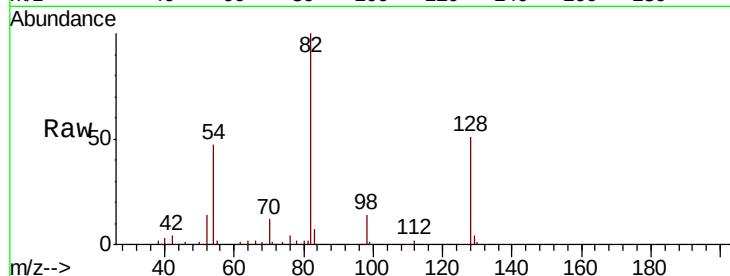




#23
 Nitrobenzene-d5
 Concen: 64.491 ng
 RT: 9.17 min Scan# 1035
 Delta R.T. -0.01 min
 Lab File: BG042510.D
 Acq: 27 Aug 2019 18:51

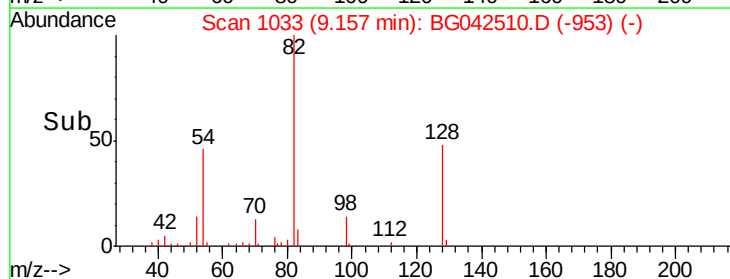
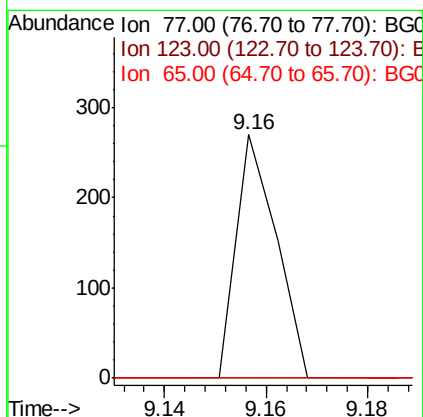
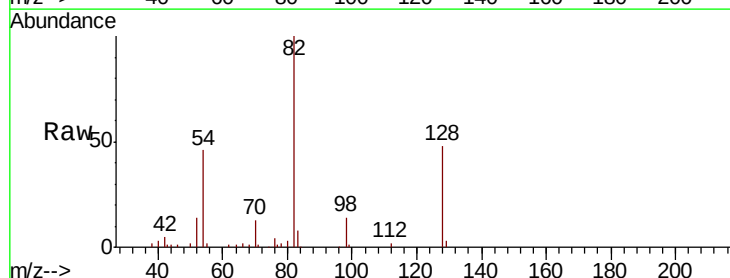
Instrument :
 BNA_G
 ClientSampleId :

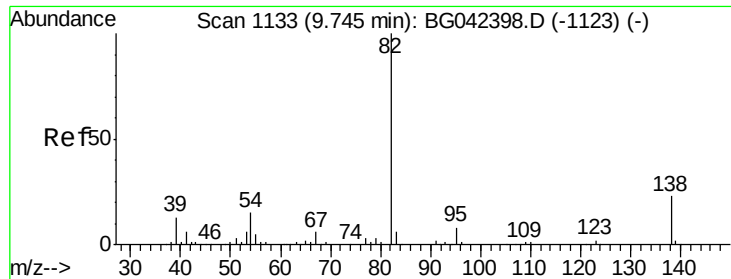
Tot Ion	82	Resp	108532
Ion Ratio	Lower	Upper	
82	100		
128	50.6	40.7	61.1
54	46.7	36.3	54.5



#24
 Nitrobenzene
 Concen: 0.087 ng
 RT: 9.16 min Scan# 1033
 Delta R.T. -0.06 min
 Lab File: BG042510.D
 Acq: 27 Aug 2019 18:51

Tgt Ion	77	Resp	149
Ion Ratio	Lower	Upper	
77	100		
123	0.0	43.4	65.0#
65	0.0	11.0	16.6#

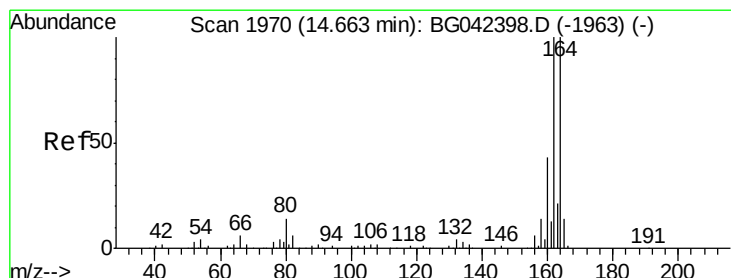
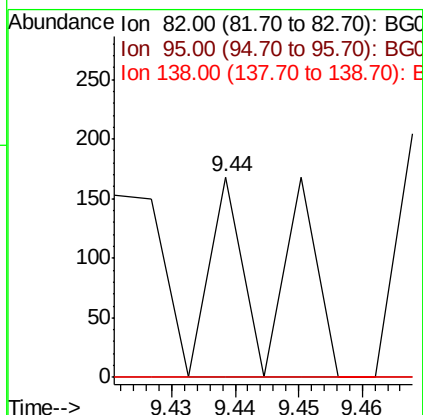
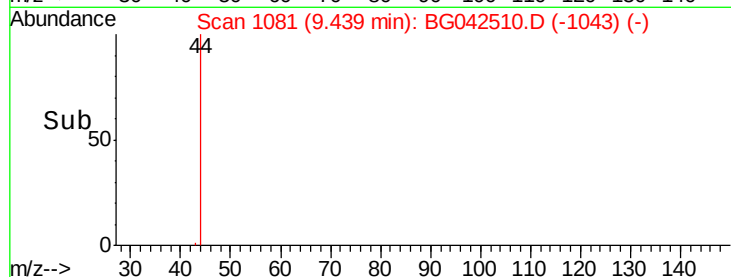
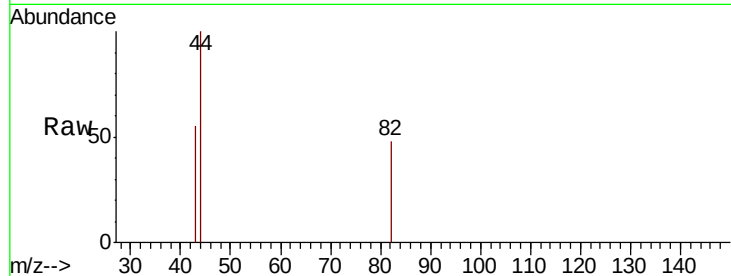




#25
Isophorone
Concen: 0.036 ng
RT: 9.44 min Scan# 1081
Delta R.T. -0.31 min
Lab File: BG042510.D
Acq: 27 Aug 2019 18:51

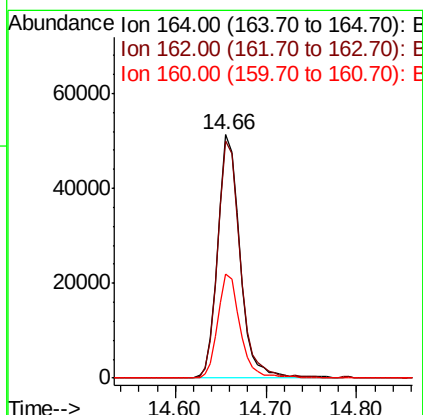
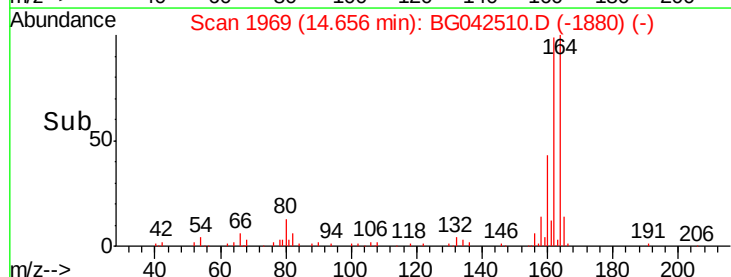
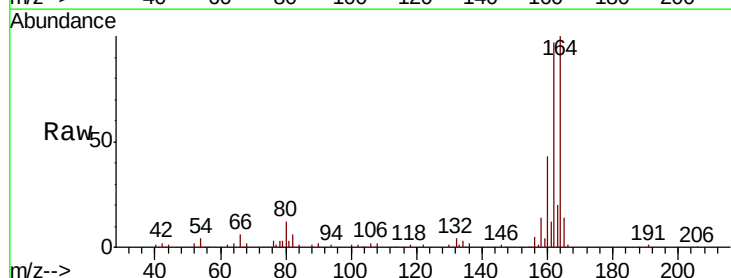
Instrument :
BNA_G
ClientSampled :

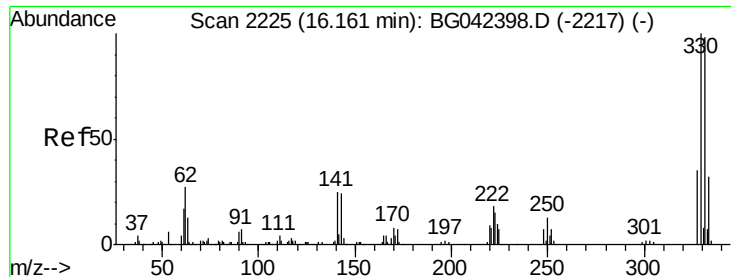
Tot Ion: 82 Resp: 118
Ion Ratio Lower Upper
82 100
95 0.0 6.6 9.8#
138 0.0 18.6 27.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG042510.D
Acq: 27 Aug 2019 18:51

Tgt Ion: 164 Resp: 86932
Ion Ratio Lower Upper
164 100
162 97.4 79.9 119.9
160 42.7 34.3 51.5





#42

2,4,6-Tribromophenol

Concen: 87.931 ng

RT: 16.15 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG042510.D

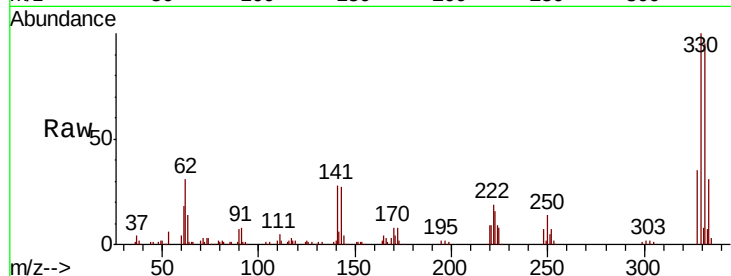
Acq: 27 Aug 2019 18:51

Instrument :

BNA_G

ClientSampleId :

Tot Ion:330	Resp:	108647
Ion Ratio	Lower	Upper
330	100	
332	95.5	77.4 116.0
141	26.6	21.4 32.0

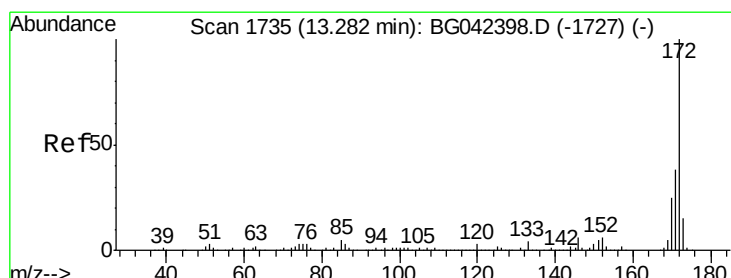
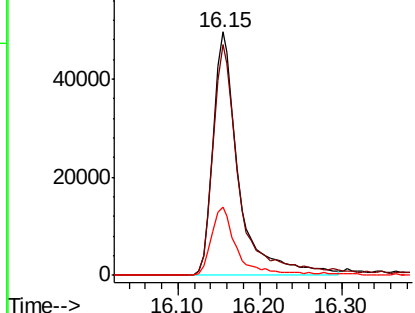
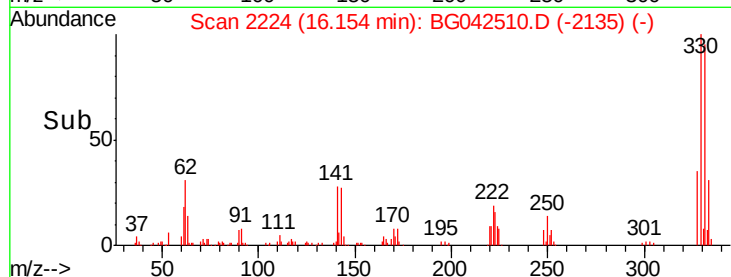


Abundance

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: 60.239 ng

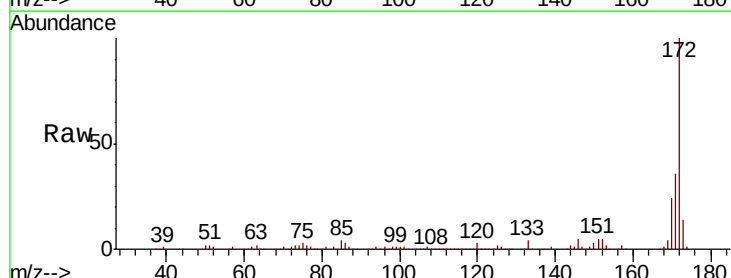
RT: 13.28 min Scan# 1734

Delta R.T. -0.01 min

Lab File: BG042510.D

Acq: 27 Aug 2019 18:51

Tgt Ion:172	Resp:	309626
Ion Ratio	Lower	Upper
172	100	
171	36.4	30.5 45.7
170	24.1	20.2 30.2

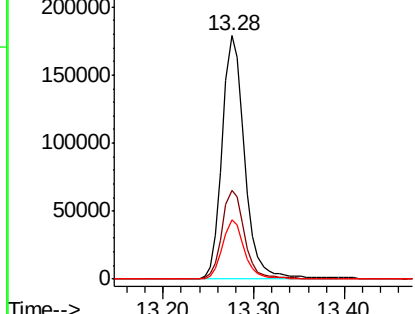
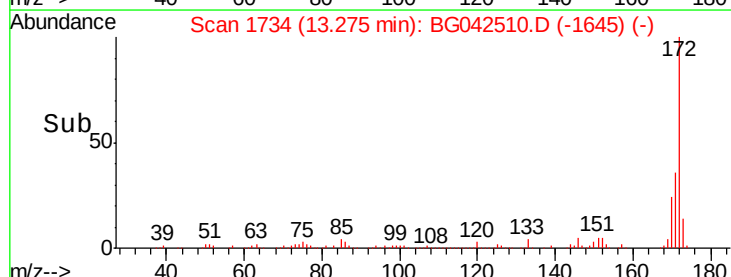


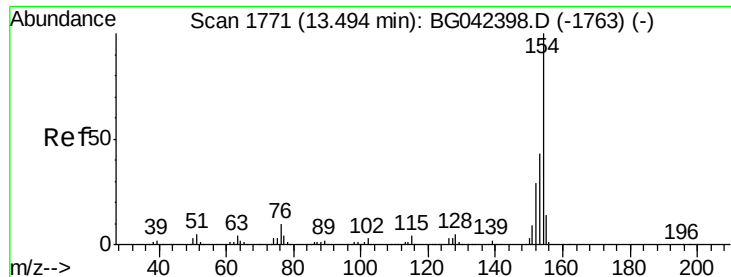
Abundance

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

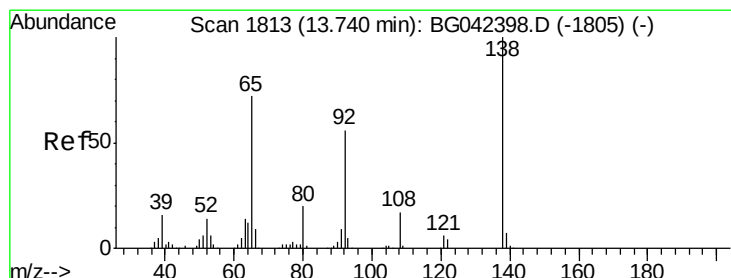
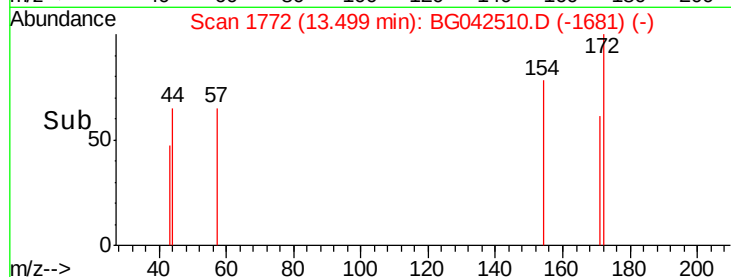
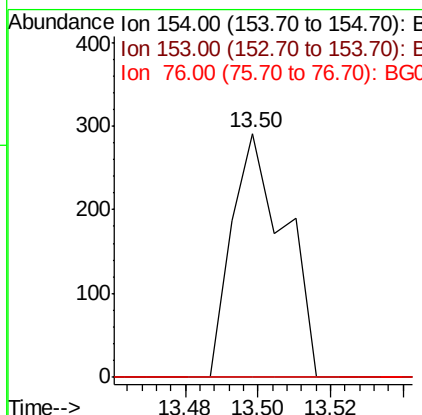
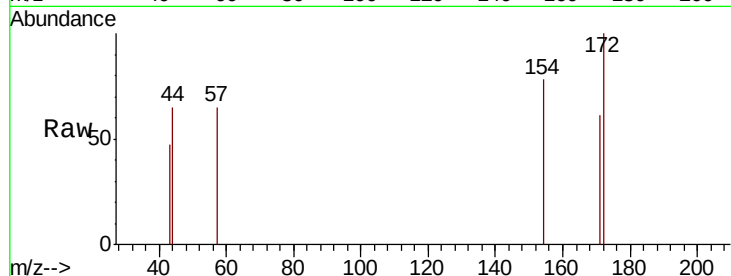




#46
 1,1'-Biphenyl
 Concen: 0.053 ng
 RT: 13.50 min Scan# 1772
 Delta R.T. 0.00 min
 Lab File: BG042510.D
 Acq: 27 Aug 2019 18:51

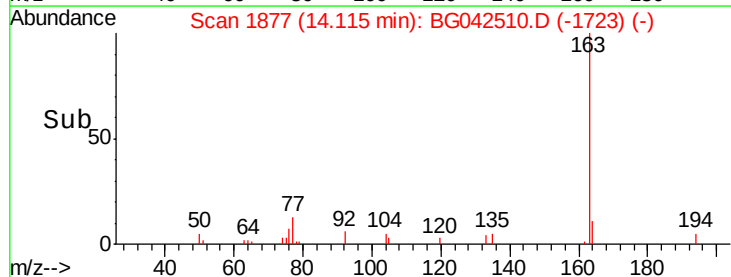
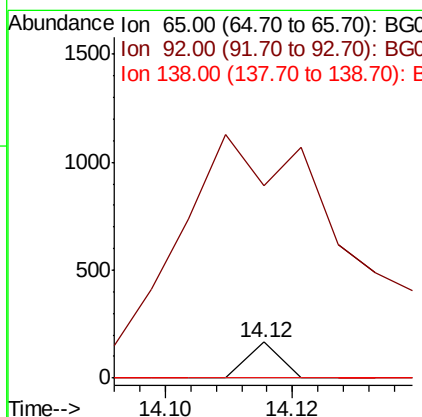
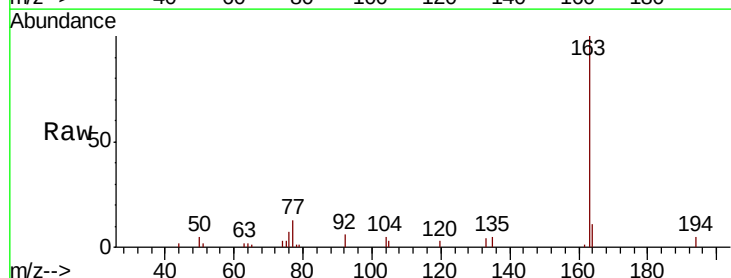
Instrument :
 BNA_G
 ClientSampleId :

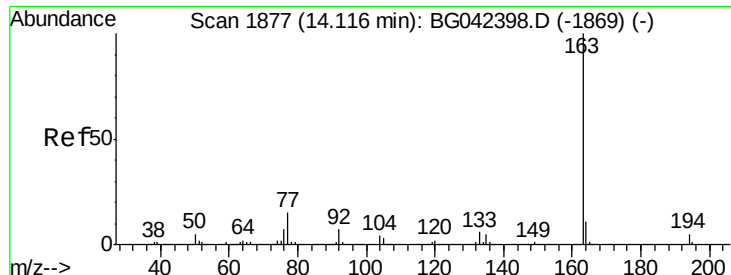
Tot Ion:154 Resp: 296
 Ion Ratio Lower Upper
 154 100
 153 0.0 23.0 63.0#
 76 0.0 0.0 29.6



#48
 2-Nitroaniline
 Concen: 0.050 ng
 RT: 14.12 min Scan# 1877
 Delta R.T. 0.38 min
 Lab File: BG042510.D
 Acq: 27 Aug 2019 18:51

Tgt Ion: 65 Resp: 59
 Ion Ratio Lower Upper
 65 100
 92 532.3 61.8 92.6#
 138 0.0 111.0 166.6#





#50

Dimethylphthalate

Concen: 5.776 ng

RT: 14.12 min Scan# 1877

Delta R.T. -0.00 min

Lab File: BG042510.D

Acq: 27 Aug 2019 18:51

Instrument :

BNA_G

ClientSampleId :

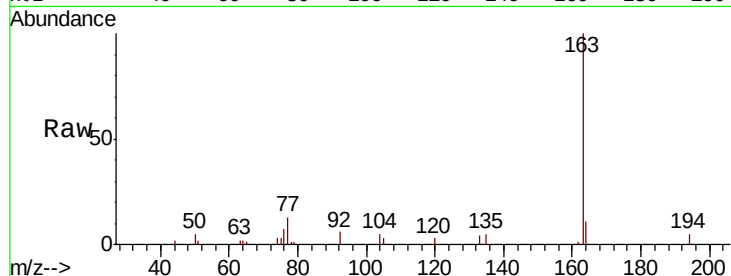
Tot Ion:163 Resp: 36231

Ion Ratio Lower Upper

163 100

194 4.8 4.2 6.2

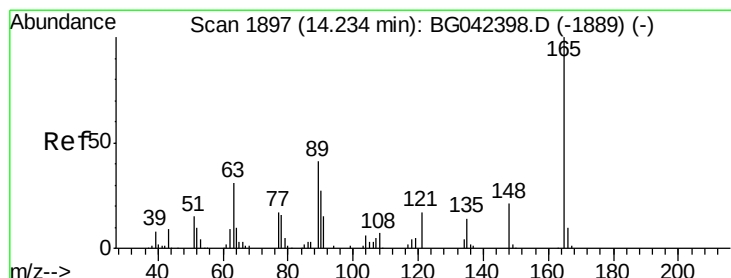
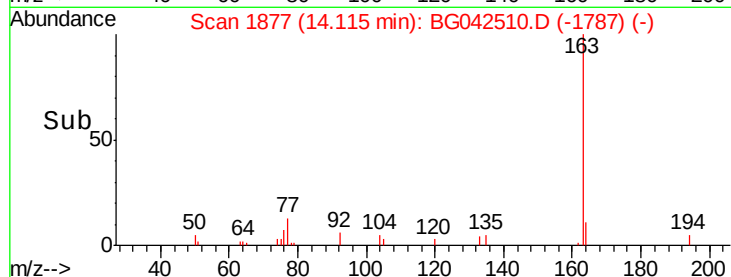
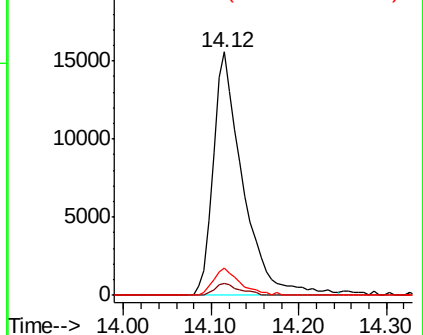
164 11.4 8.8 13.2



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: 7.815 ng

RT: 14.66 min Scan# 1969

Delta R.T. 0.42 min

Lab File: BG042510.D

Acq: 27 Aug 2019 18:51

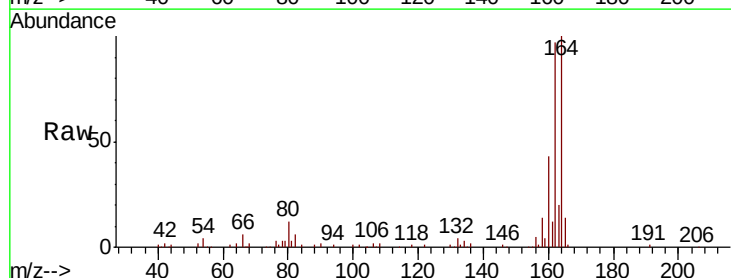
Tgt Ion:165 Resp: 11362

Ion Ratio Lower Upper

165 100

63 0.0 30.6 45.8#

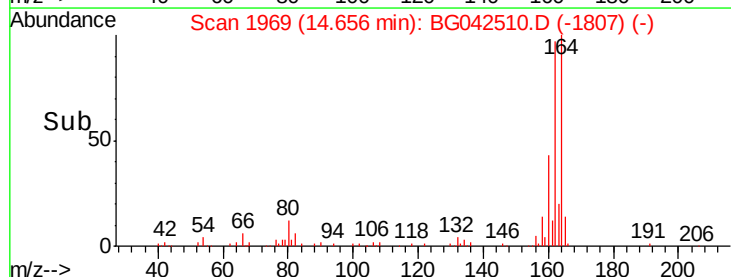
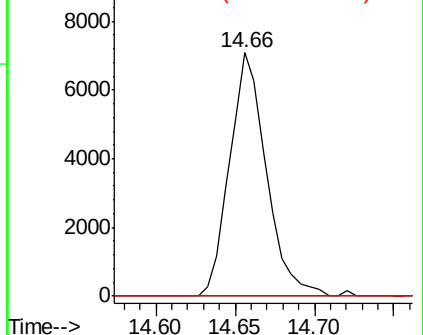
89 0.0 32.6 49.0#

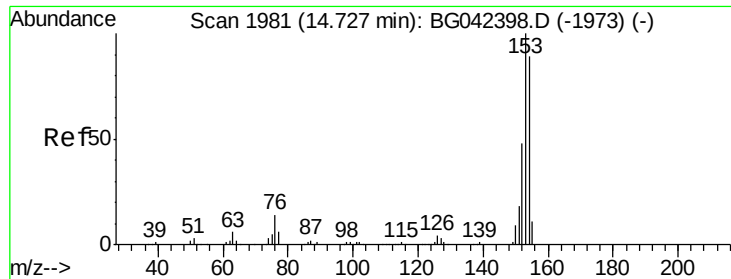


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#52

Acenaphthene

Concen: 0.043 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.07 min

Lab File: BG042510.D

Acq: 27 Aug 2019 18:51

Instrument :

BNA_G

ClientSampled :

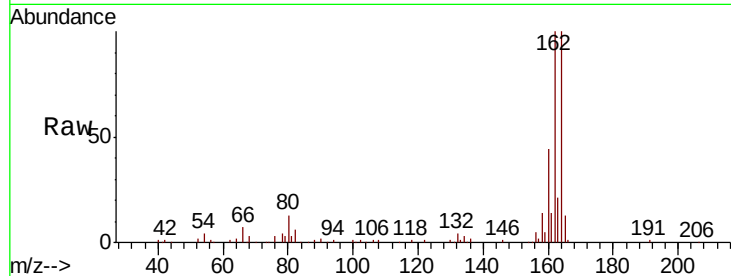
Tot Ion:154 Resp: 191

Ion Ratio Lower Upper

154 100

153 0.0 90.2 135.4#

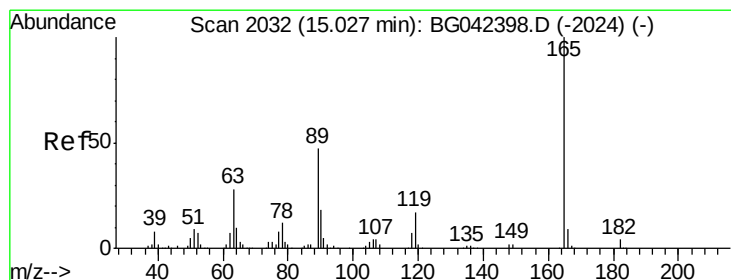
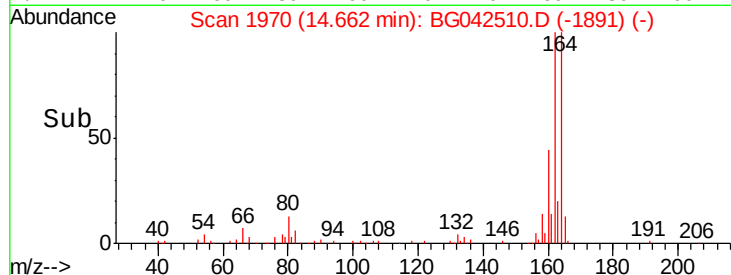
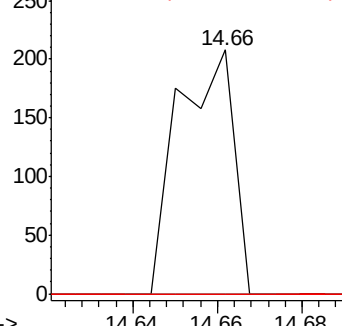
152 0.0 43.2 64.8#



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: 5.457 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.37 min

Lab File: BG042510.D

Acq: 27 Aug 2019 18:51

Tgt Ion:165 Resp: 11362

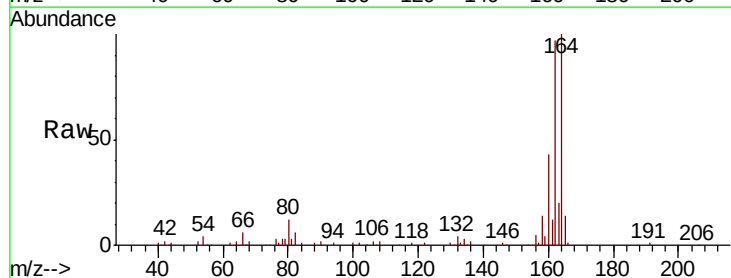
Ion Ratio Lower Upper

165 100

63 0.0 22.5 33.7#

89 0.0 37.8 56.6#

182 0.0 3.0 4.4#

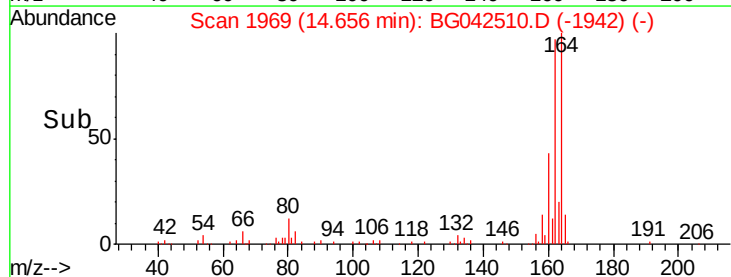
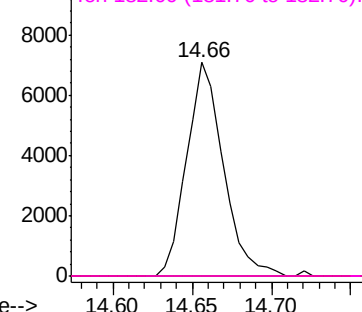


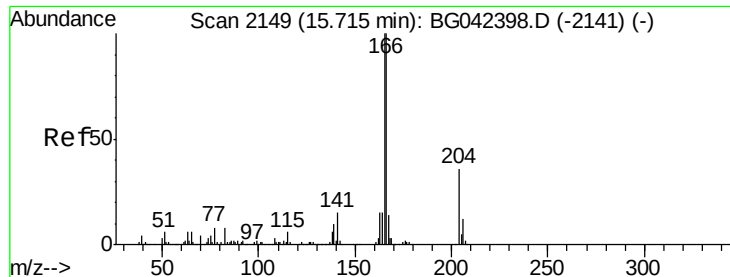
Abundance Ion 165.00 (164.70 to 165.70): E

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

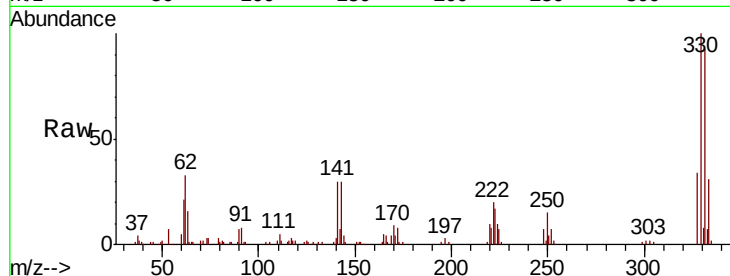




#58
 Fluorene
 Concen: 0.615 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. 0.43 min
 Lab File: BG042510.D
 Acq: 27 Aug 2019 18:51

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
166	100		
165	113.3	79.7	119.5
167	29.9	10.9	16.3#

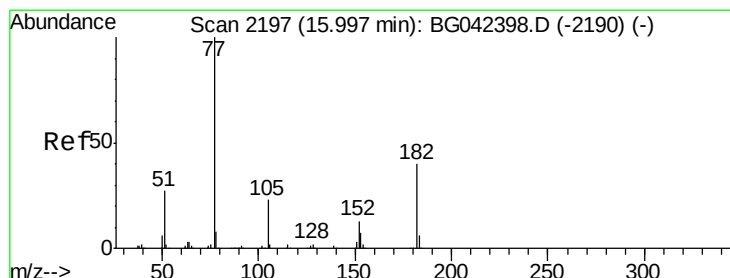
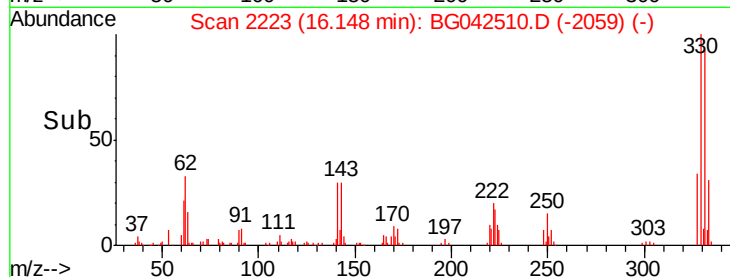
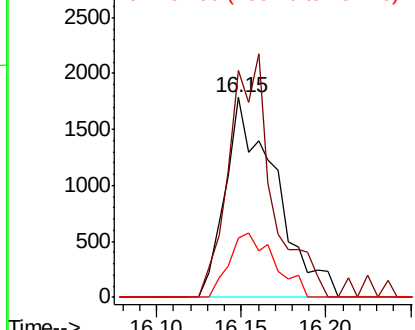


Abundance

Ion 166.00 (165.70 to 166.70): E

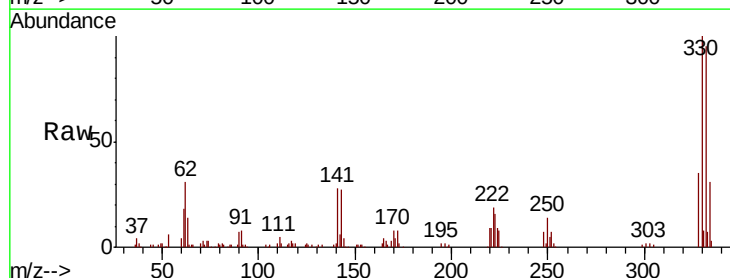
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63
 Azobenzene
 Concen: 0.036 ng
 RT: 16.15 min Scan# 2224
 Delta R.T. 0.16 min
 Lab File: BG042510.D
 Acq: 27 Aug 2019 18:51

Tgt Ion	Ratio	Lower	Upper
77	100		
182	0.0	19.9	59.9#
105	78.0	2.9	42.9#
51	71.1	7.6	47.6#



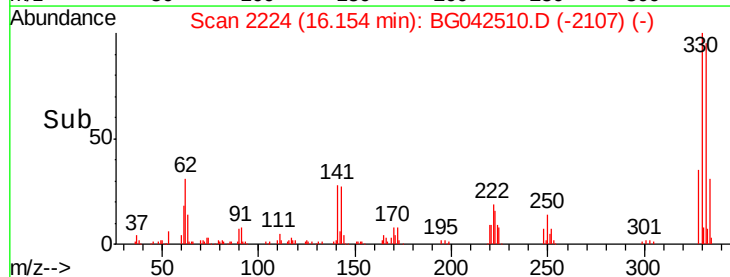
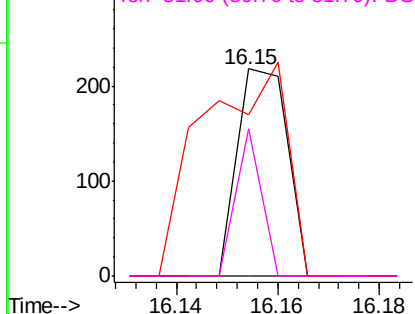
Abundance

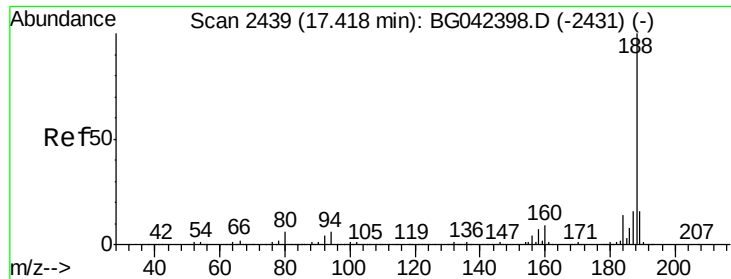
Ion 77.00 (76.70 to 77.70): BGC

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2438

Delta R.T. -0.01 min

Lab File: BG042510.D

Acq: 27 Aug 2019 18:51

Instrument :

BNA_G

ClientSampleId :

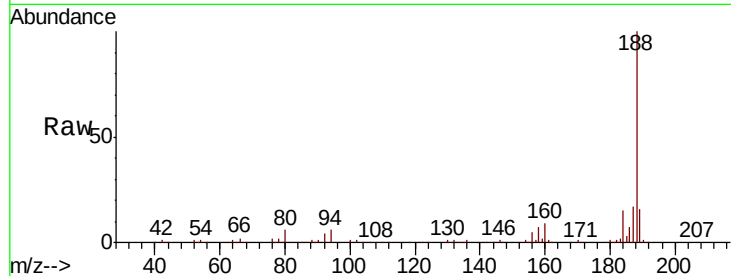
Tot Ion:188 Resp: 215878

Ion Ratio Lower Upper

188 100

94 5.6 4.5 6.7

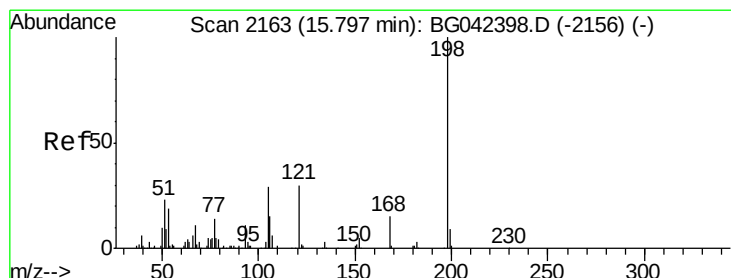
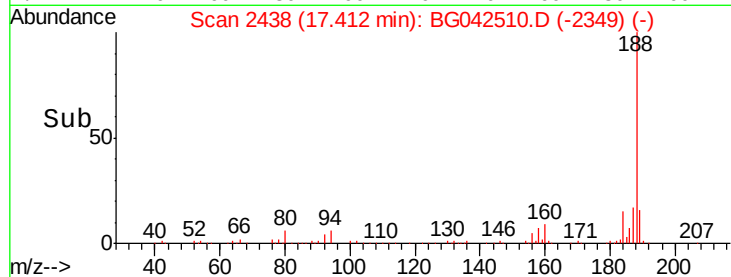
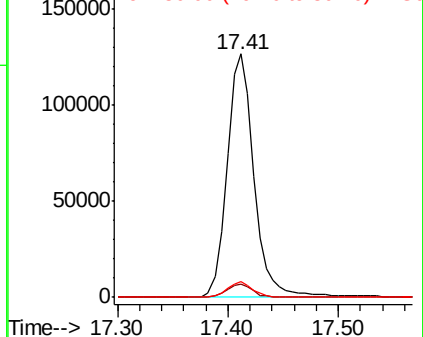
80 6.4 4.9 7.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 0.047 ng

RT: 16.15 min Scan# 2224

Delta R.T. 0.36 min

Lab File: BG042510.D

Acq: 27 Aug 2019 18:51

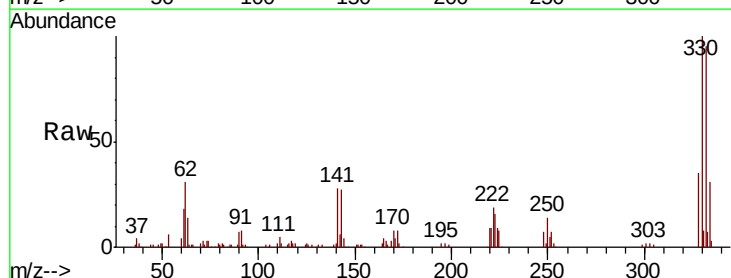
Tgt Ion:198 Resp: 64

Ion Ratio Lower Upper

198 100

51 85.2 4.2 44.2#

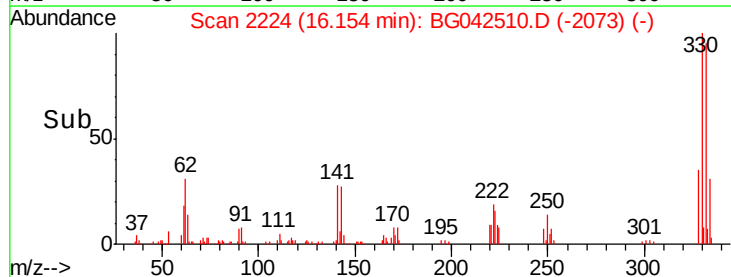
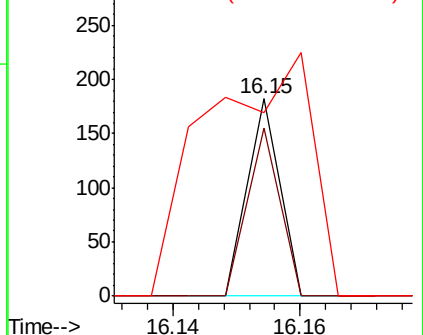
105 93.4 8.8 48.8#

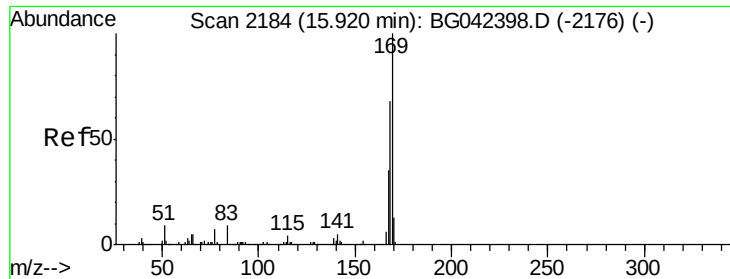


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

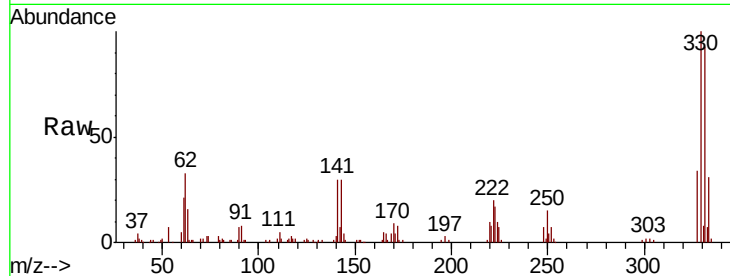




#66
 n-Nitrosodiphenylamine
 Concen: 0.466 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. 0.23 min
 Lab File: BG042510.D
 Acq: 27 Aug 2019 18:51

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
169	100		
168	0.0	54.3	81.5#
167	34.7	28.2	42.2

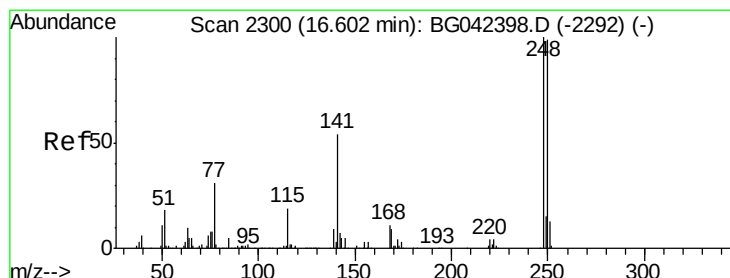
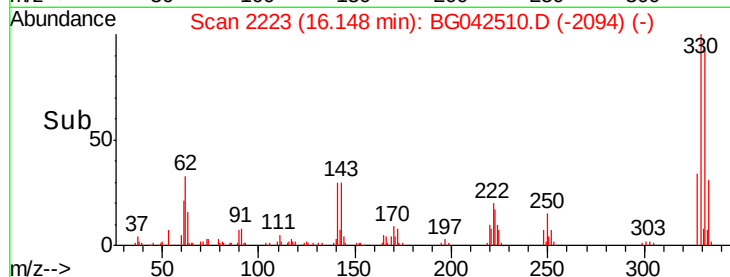
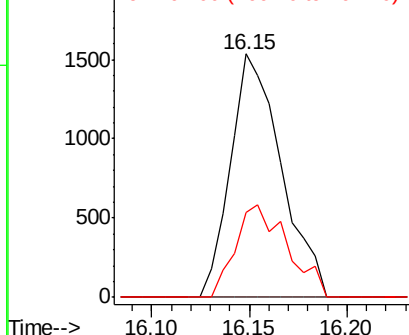


Abundance

Ion 169.00 (168.70 to 169.70): E

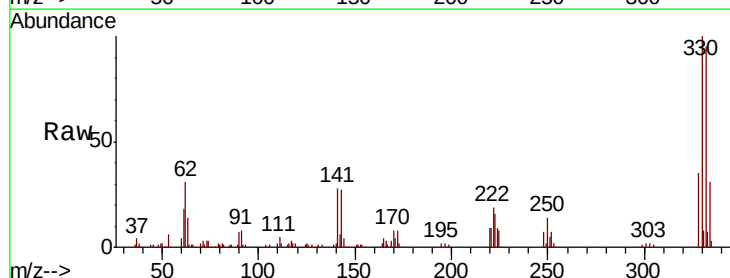
Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#67
 4-Bromophenyl-phenylether
 Concen: 2.680 ng
 RT: 16.15 min Scan# 2224
 Delta R.T. -0.45 min
 Lab File: BG042510.D
 Acq: 27 Aug 2019 18:51

Tgt Ion	Ratio	Lower	Upper
248	100		
250	186.0	78.9	118.3#
141	382.7	43.3	64.9#

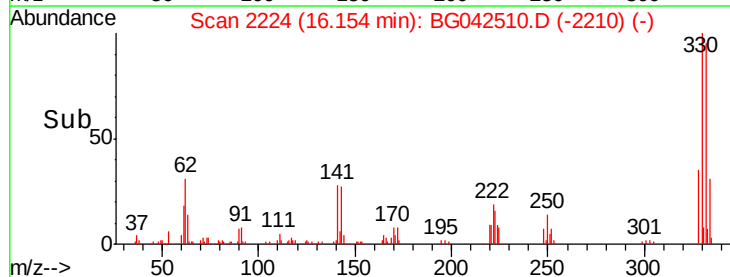
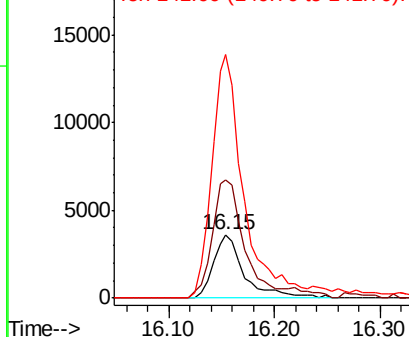


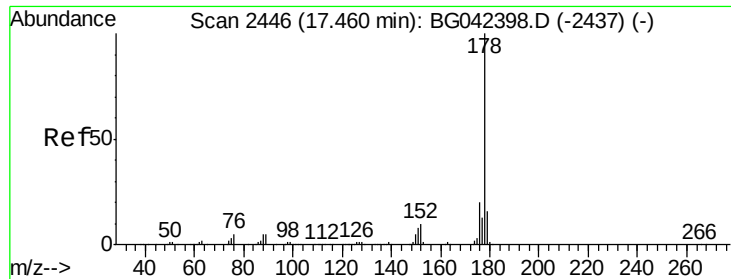
Abundance

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

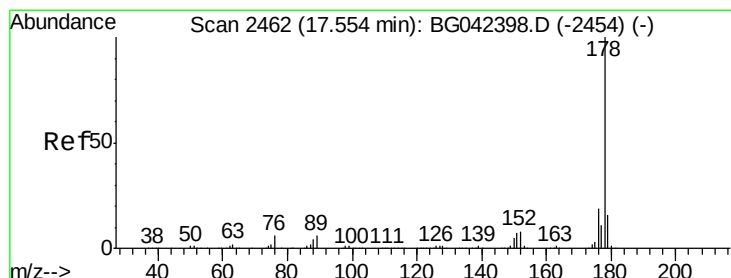
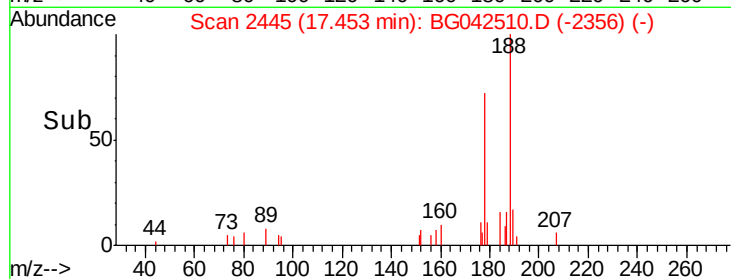
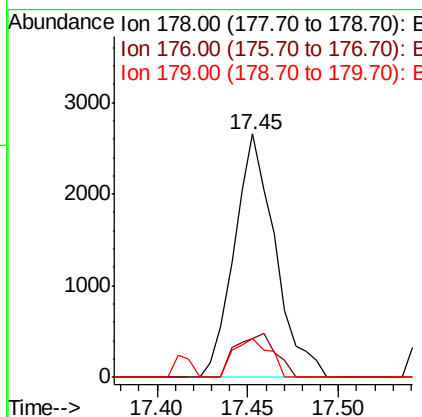
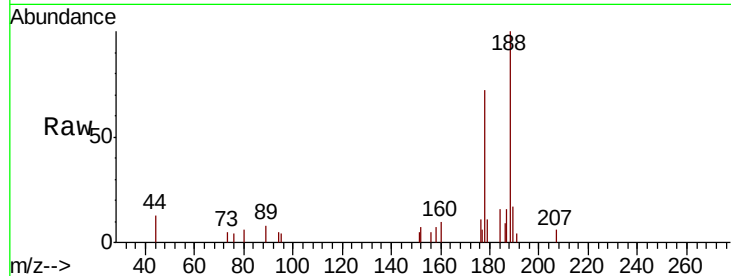




#71
Phenanthrene
Concen: 0.389 ng
RT: 17.45 min Scan# 2445
Delta R.T. -0.01 min
Lab File: BG042510.D
Acq: 27 Aug 2019 18:51

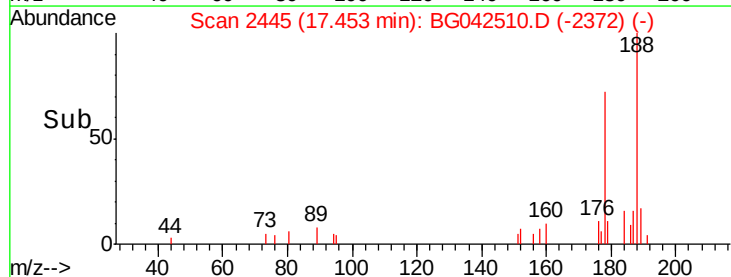
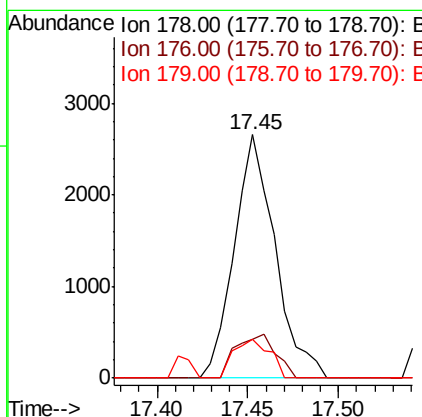
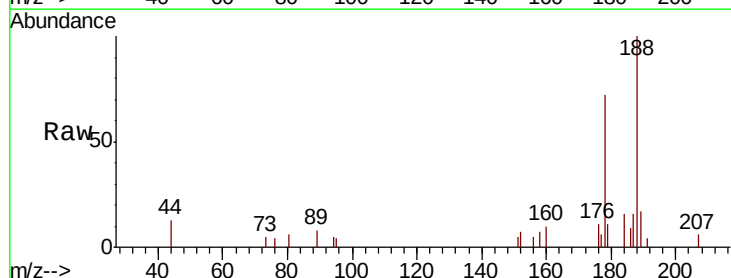
Instrument :
BNA_G
ClientSampleId :

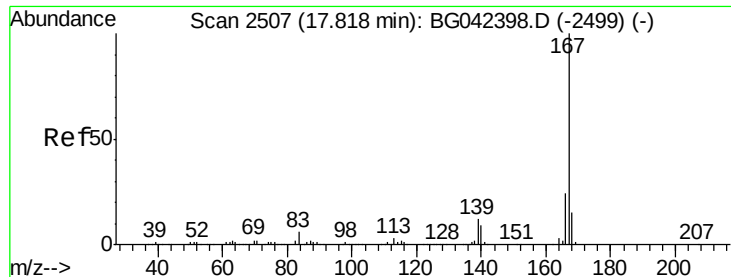
Tot Ion:178 Resp: 4170
Ion Ratio Lower Upper
178 100
176 15.8 15.9 23.9#
179 15.8 12.7 19.1



#72
Anthracene
Concen: 0.390 ng
RT: 17.45 min Scan# 2445
Delta R.T. -0.10 min
Lab File: BG042510.D
Acq: 27 Aug 2019 18:51

Tgt Ion:178 Resp: 4170
Ion Ratio Lower Upper
178 100
176 15.8 15.5 23.3
179 15.8 12.9 19.3





#73

Carbazole

Concen: 0.007 ng

RT: 17.84 min Scan# 2511

Delta R.T. 0.02 min

Lab File: BG042510.D

Acq: 27 Aug 2019 18:51

Instrument :

BNA_G

ClientSampleId :

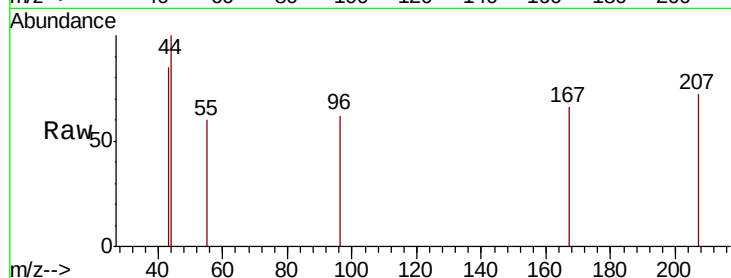
Tot Ion:167 Resp: 64

Ion Ratio Lower Upper

167 100

166 0.0 18.9 28.3#

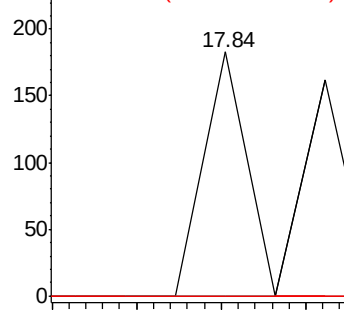
139 0.0 9.8 14.6#



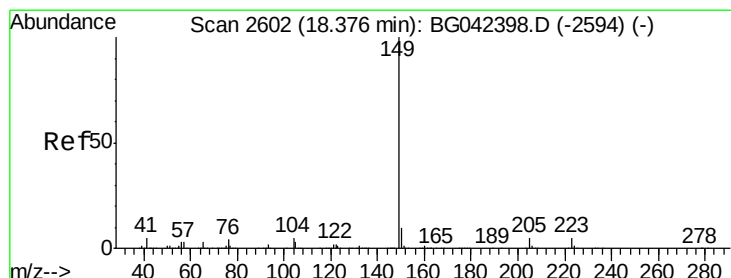
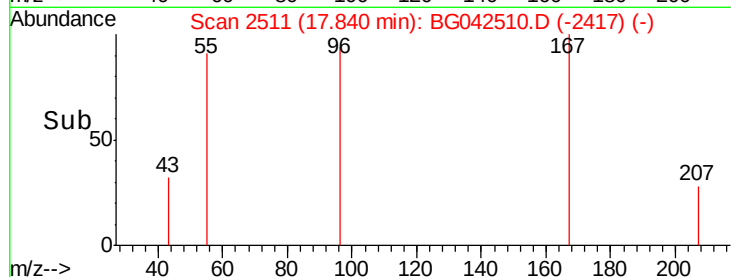
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time--> 17.82 17.83 17.84 17.85



#74

Di-n-butylphthalate

Concen: 0.046 ng

RT: 18.38 min Scan# 2602

Delta R.T. -0.00 min

Lab File: BG042510.D

Acq: 27 Aug 2019 18:51

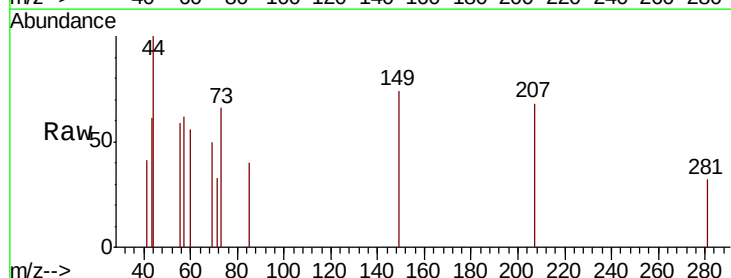
Tgt Ion:149 Resp: 521

Ion Ratio Lower Upper

149 100

150 0.0 8.1 12.1#

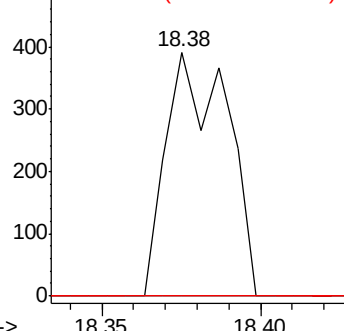
104 0.0 3.7 5.5#



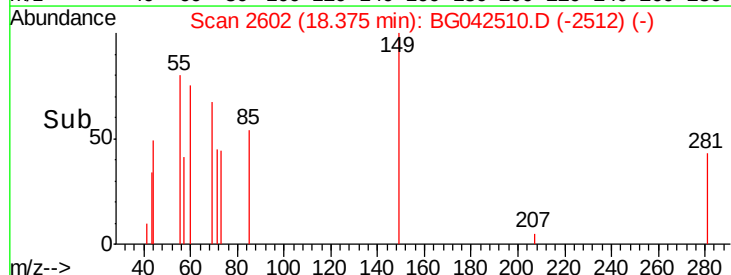
Abundance Ion 149.00 (148.70 to 149.70): E

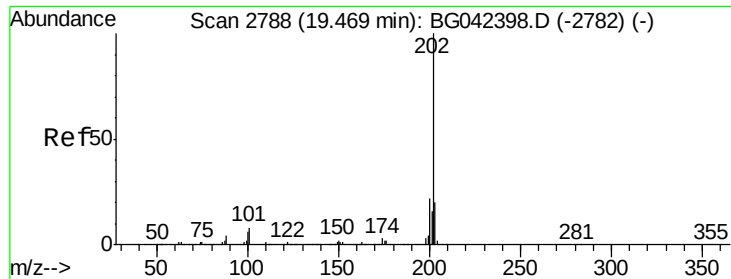
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



Time--> 18.35 18.40





#75

Fluoranthene

Concen: 0.955 ng

RT: 19.47 min Scan# 2789

Delta R.T. 0.00 min

Lab File: BG042510.D

Acq: 27 Aug 2019 18:51

Instrument :

BNA_G

ClientSampleId :

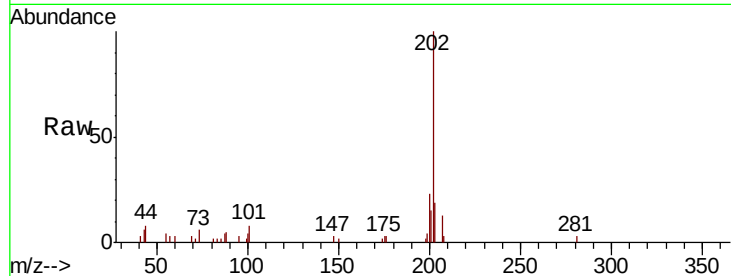
Tot Ion:202 Resp: 12492

Ion Ratio Lower Upper

202 100

101 7.6 0.0 28.3

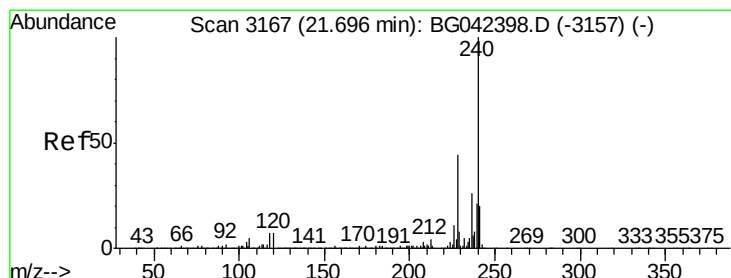
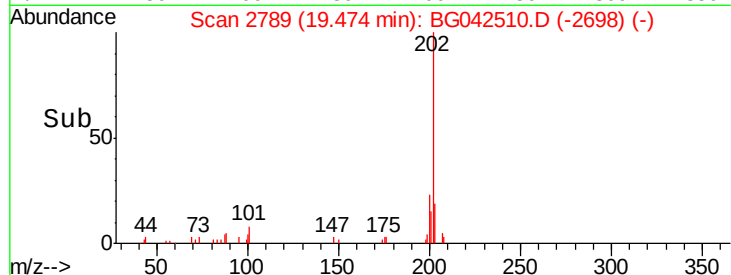
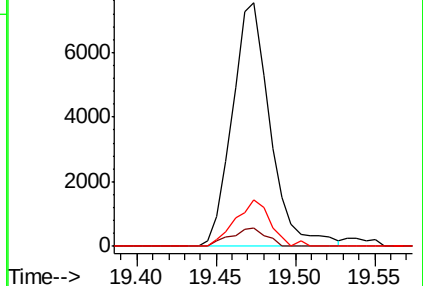
203 19.1 0.0 39.6



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: 21.68 min Scan# 3165

Delta R.T. -0.01 min

Lab File: BG042510.D

Acq: 27 Aug 2019 18:51

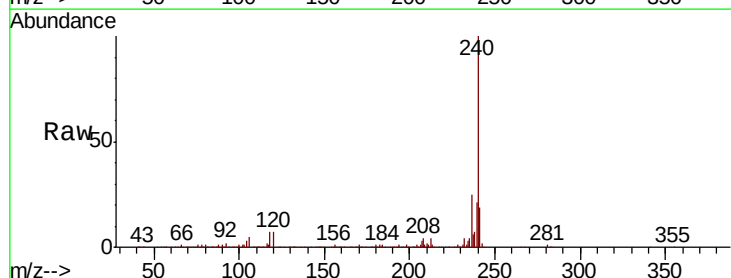
Tgt Ion:240 Resp: 300647

Ion Ratio Lower Upper

240 100

120 6.8 5.7 8.5

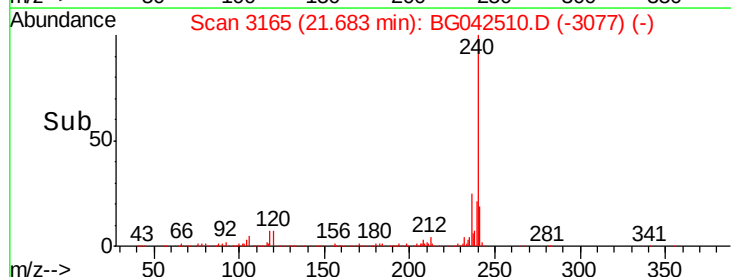
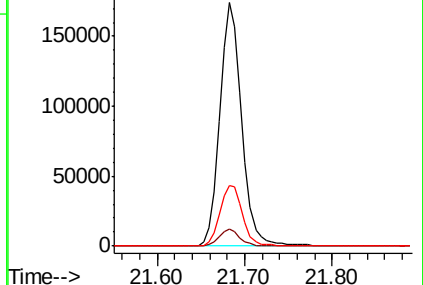
236 25.0 21.0 31.4

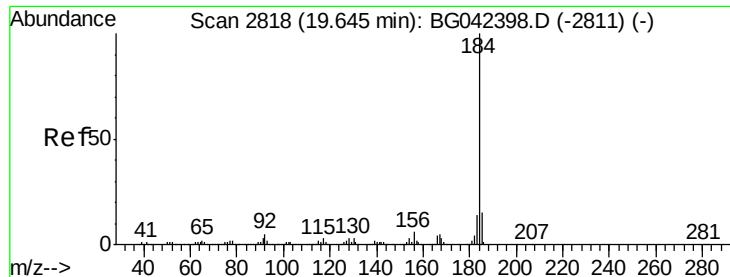


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 0.996 ng

RT: 20.02 min Scan# 2882

Delta R.T. 0.38 min

Lab File: BG042510.D

Acq: 27 Aug 2019 18:51

Instrument :

BNA_G

ClientSampleId :

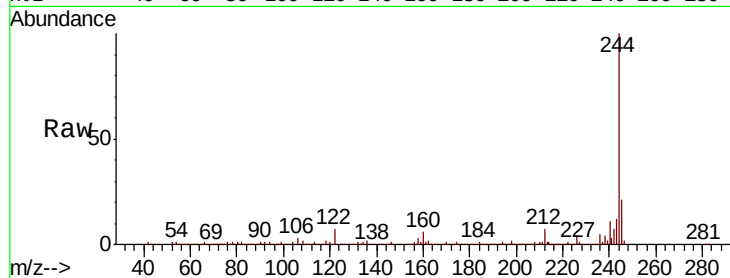
Tot Ion:184 Resp: 8581

Ion Ratio Lower Upper

184 100

185 16.6 12.2 18.4

183 8.9 10.8 16.2#

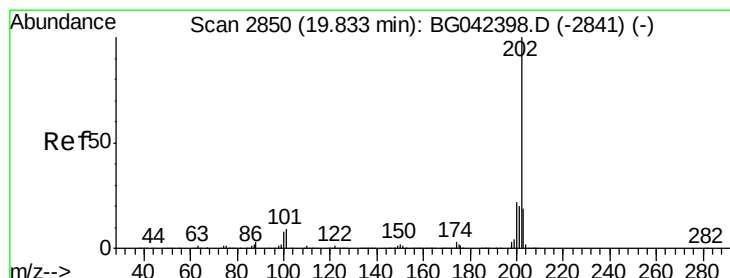
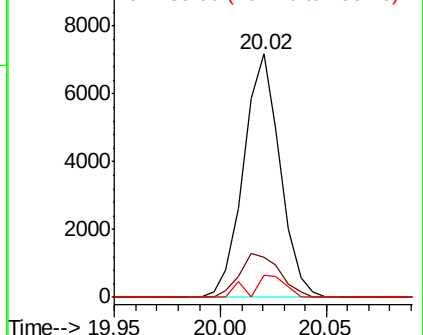
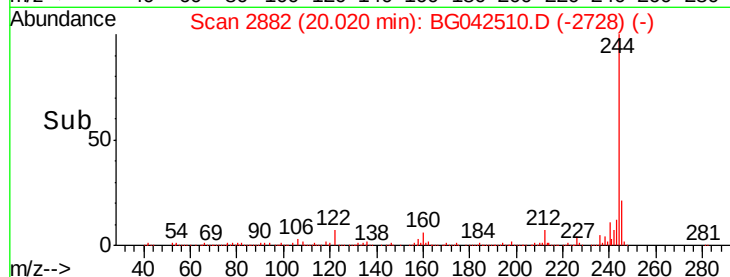


Abundance

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: 0.678 ng

RT: 19.47 min Scan# 2789

Delta R.T. -0.36 min

Lab File: BG042510.D

Acq: 27 Aug 2019 18:51

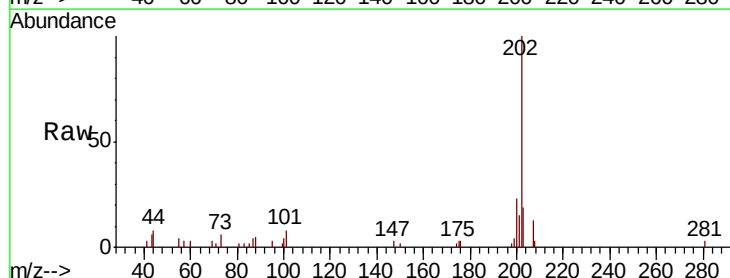
Tgt Ion:202 Resp: 12492

Ion Ratio Lower Upper

202 100

200 22.5 17.8 26.6

203 19.1 15.5 23.3

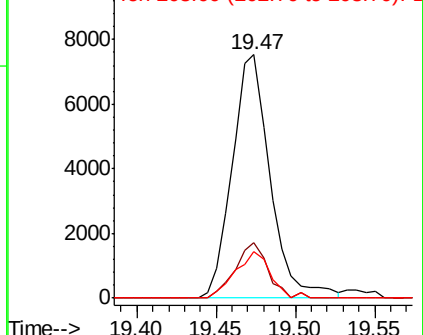
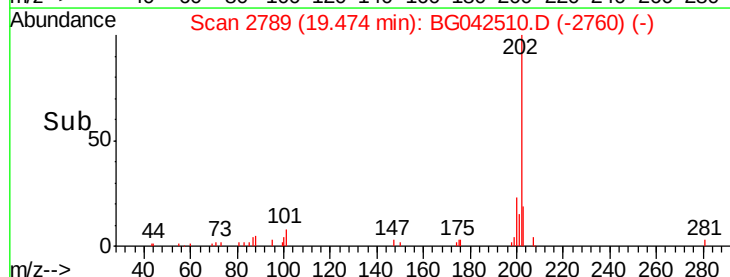


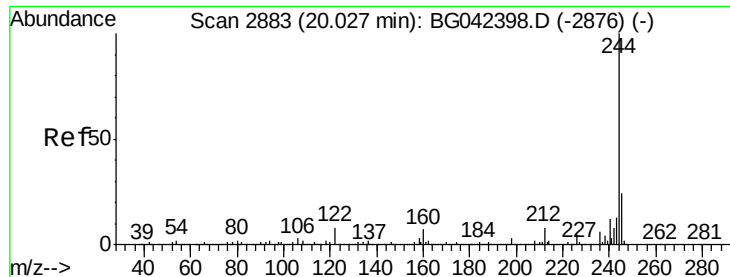
Abundance

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: 51.957 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042510.D

Acq: 27 Aug 2019 18:51

Instrument :

BNA_G

ClientSampleId :

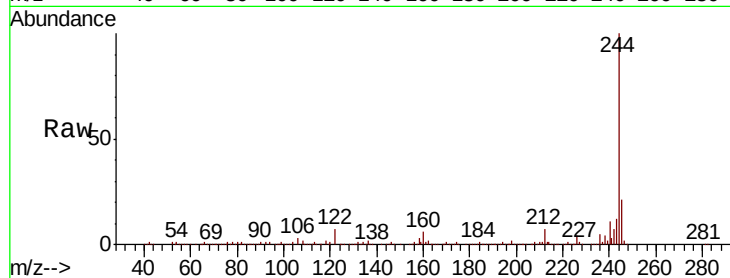
Tot Ion:244 Resp: 722534

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

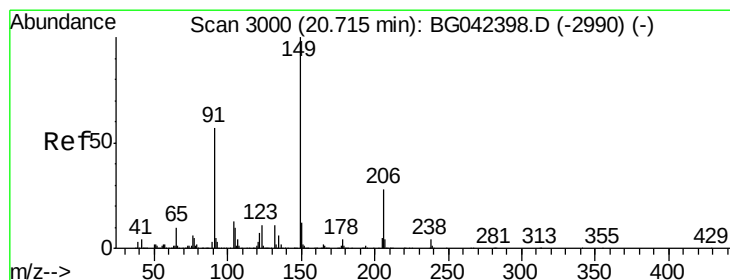
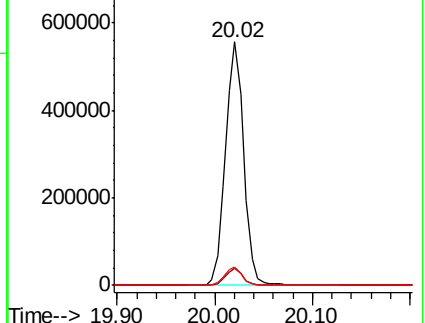
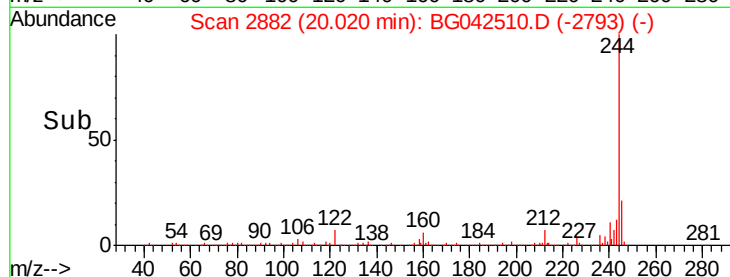
122 7.3 6.7 10.1



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: 0.011 ng

RT: 20.71 min Scan# 3000

Delta R.T. -0.00 min

Lab File: BG042510.D

Acq: 27 Aug 2019 18:51

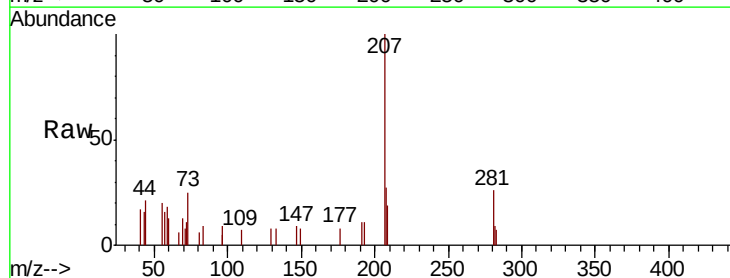
Tgt Ion:149 Resp: 78

Ion Ratio Lower Upper

149 100

91 0.0 45.9 68.9#

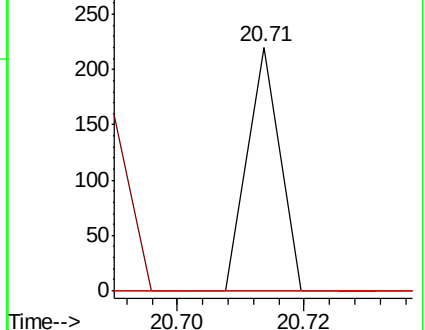
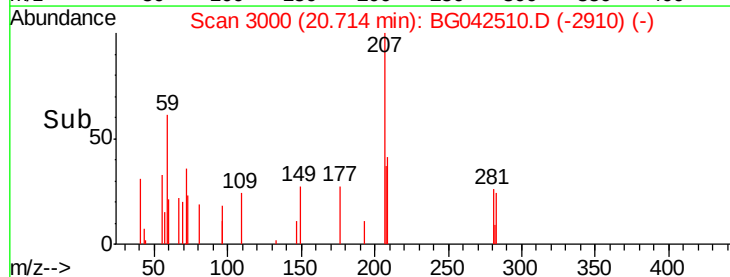
206 0.0 22.5 33.7#

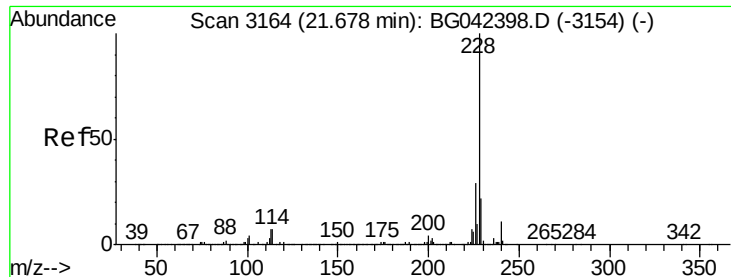


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 0.358 ng

RT: 21.67 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BG042510.D

Acq: 27 Aug 2019 18:51

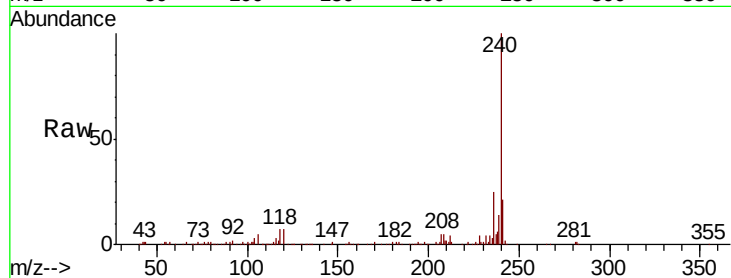
Instrument :

BNA_G

ClientSampleId :

Tot Ion:228 Resp: 6540

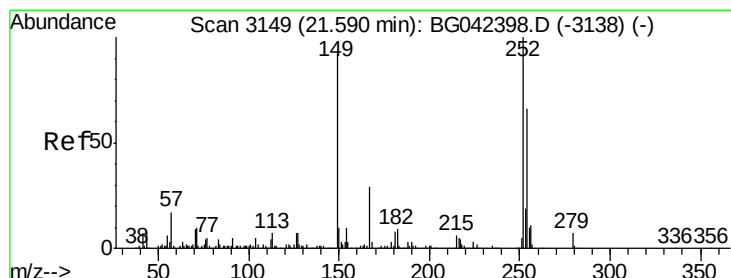
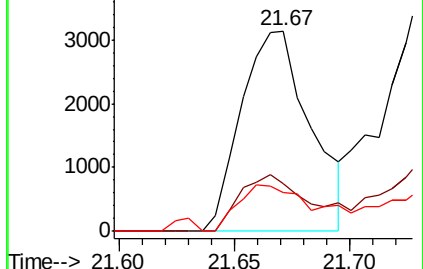
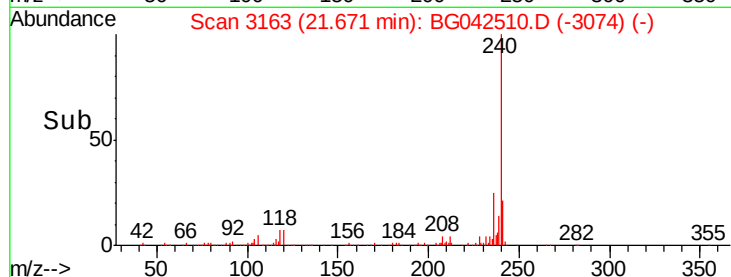
Ion	Ratio	Lower	Upper
228	100		
226	23.8	23.4	35.2
229	19.5	17.4	26.2



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



#82

3,3'-Dichlorobenzidine

Concen: 0.009 ng

RT: 21.33 min Scan# 3105

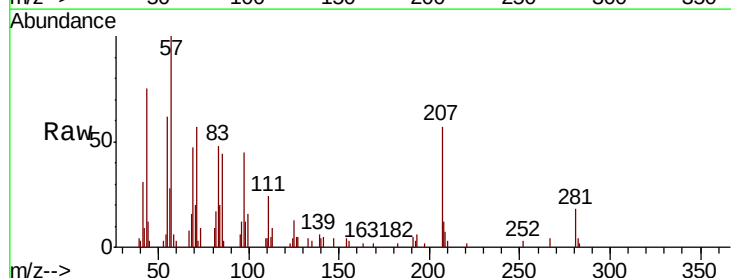
Delta R.T. -0.26 min

Lab File: BG042510.D

Acq: 27 Aug 2019 18:51

Tgt Ion:252 Resp: 65

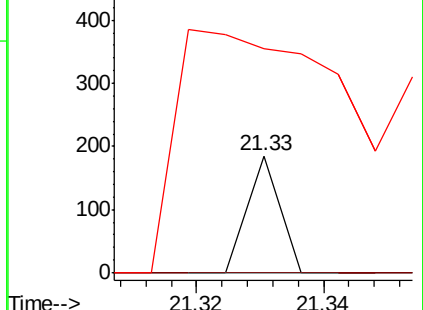
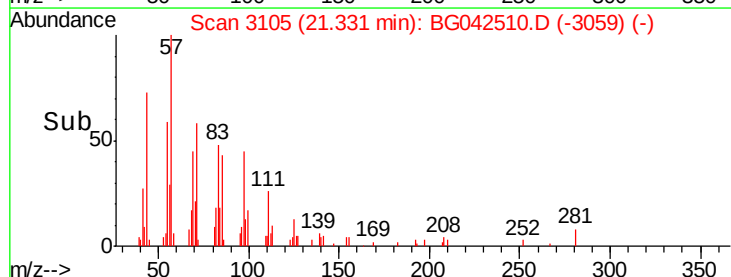
Ion	Ratio	Lower	Upper
252	100		
254	0.0	53.0	79.4#
126	191.4	5.7	8.5#

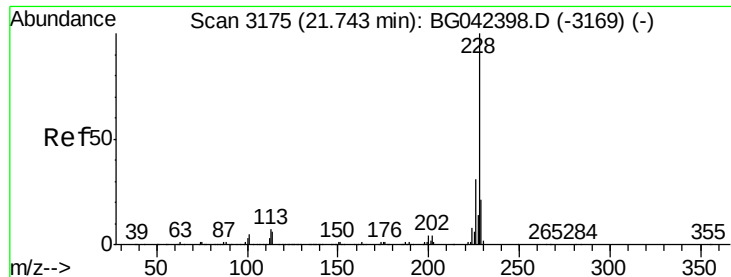


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

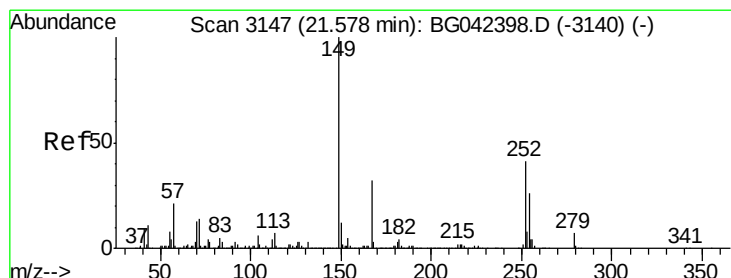
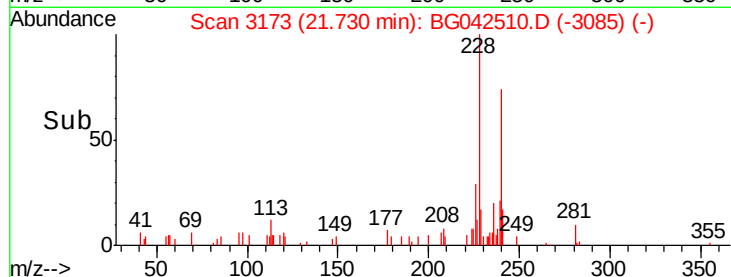
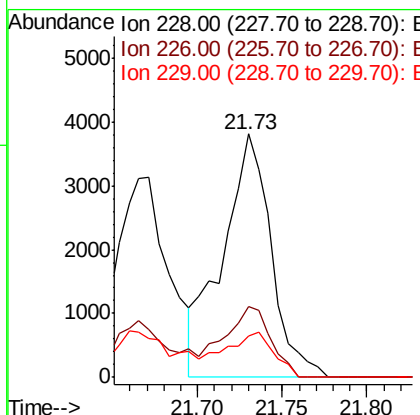
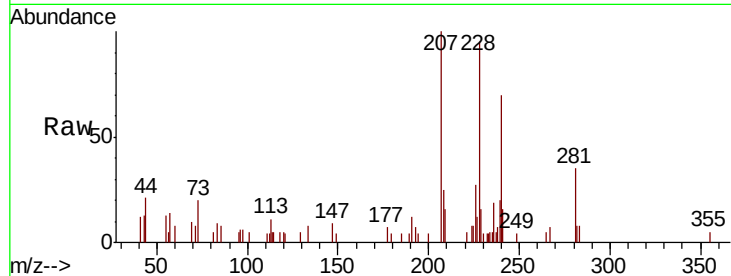




#83
 Chrysene
 Concen: 0.432 ng
 RT: 21.73 min Scan# 3173
 Delta R.T. -0.01 min
 Lab File: BG042510.D
 Acq: 27 Aug 2019 18:51

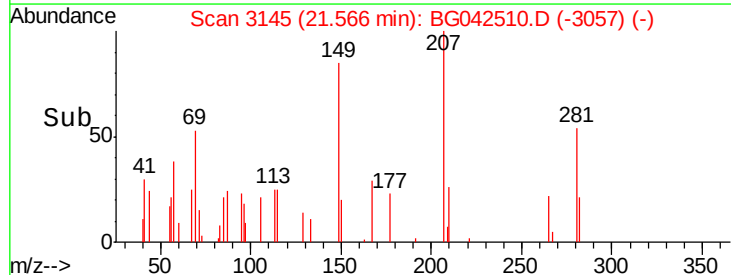
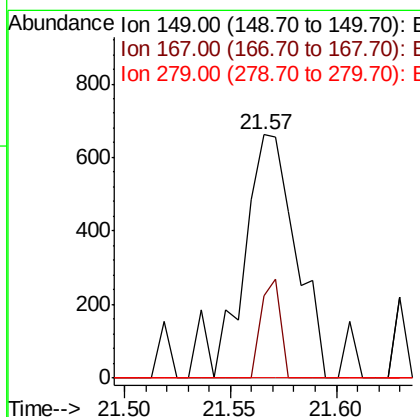
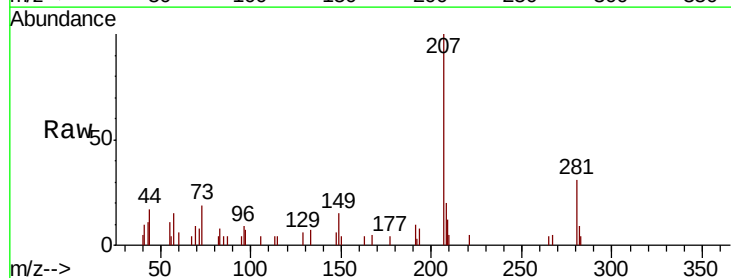
Instrument :
 BNA_G
 ClientSampled :

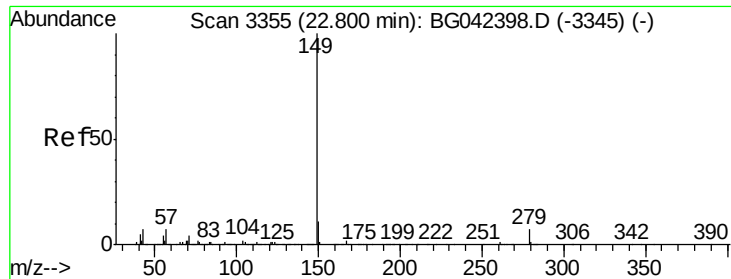
Tot Ion	Ion	Ratio	Lower	Upper
228	100			
226	28.9	24.9	37.3	
229	17.1	16.9	25.3	



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 0.116 ng
 RT: 21.57 min Scan# 3145
 Delta R.T. -0.01 min
 Lab File: BG042510.D
 Acq: 27 Aug 2019 18:51

Tgt Ion	Ion	Ratio	Lower	Upper
149	100			
167	34.0	26.0	39.0	
279	0.0	5.4	8.0	

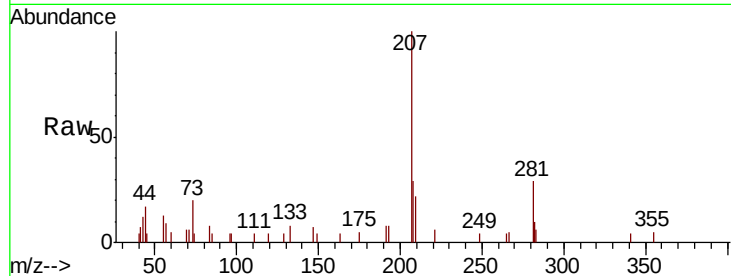




#85
Di-n-octyl phthalate
Concen: 0.003 ng
RT: 22.80 min Scan# 3355
Delta R.T. -0.00 min
Lab File: BG042510.D
Acq: 27 Aug 2019 18:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
167	0.0	1.6	2.4#
43	0.0	5.3	7.9#

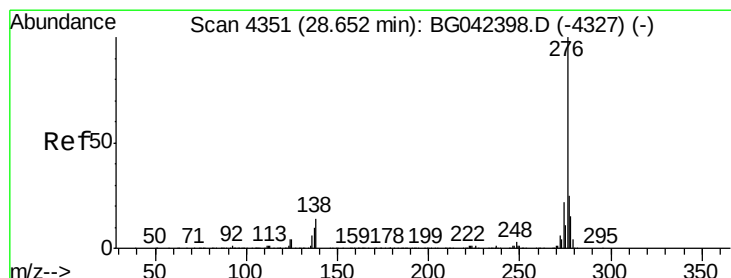
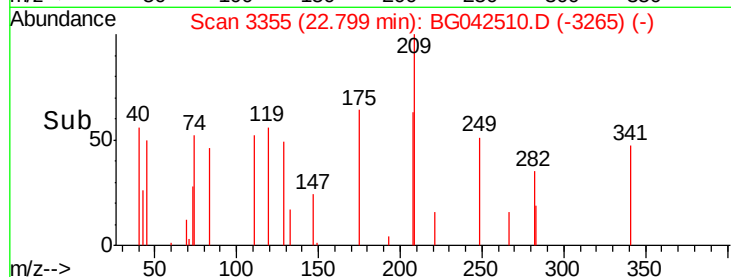
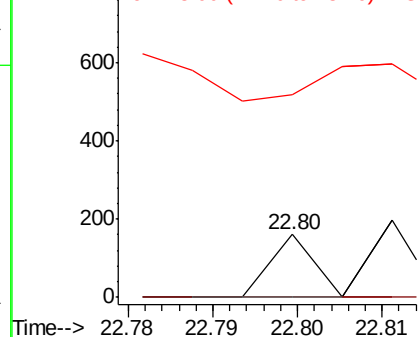


Abundance

Ion 149.00 (148.70 to 149.70): E

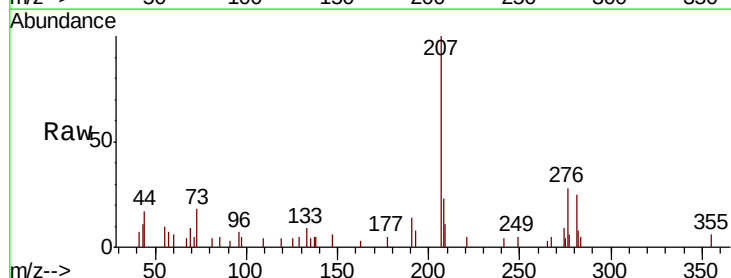
Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#86
Indeno(1,2,3-cd)pyrene
Concen: 0.182 ng
RT: 28.63 min Scan# 4348
Delta R.T. -0.02 min
Lab File: BG042510.D
Acq: 27 Aug 2019 18:51

Tgt Ion	Ratio	Lower	Upper
276	100		
138	7.8	9.2	13.8#
277	0.0	21.0	31.6#

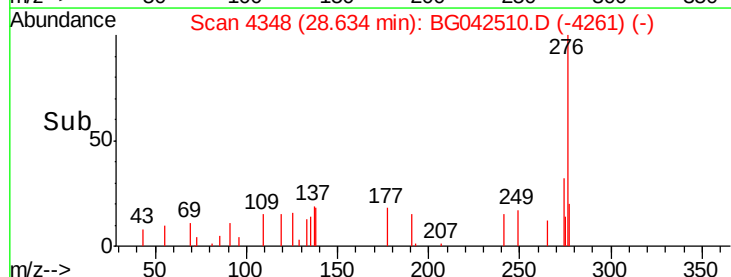
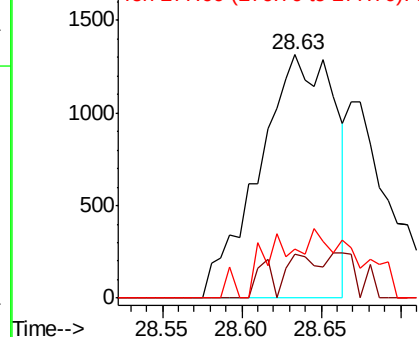


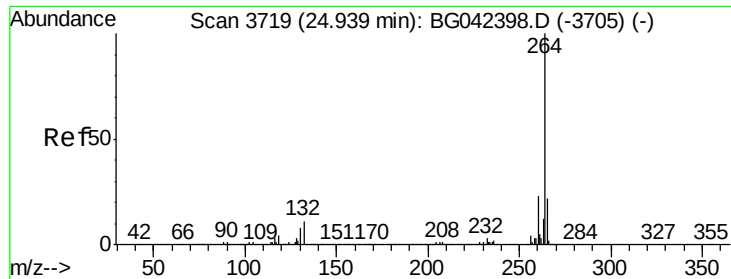
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

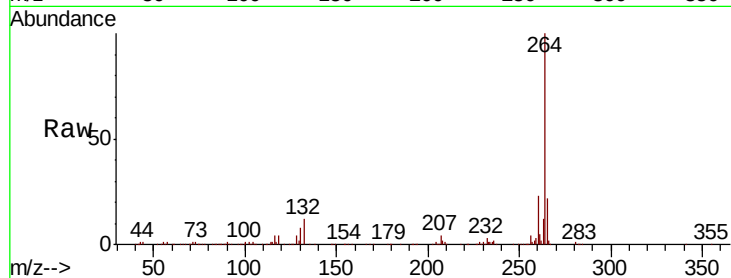




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3716
Delta R.T. -0.02 min
Lab File: BG042510.D
Acq: 27 Aug 2019 18:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	22.3	17.6	26.4

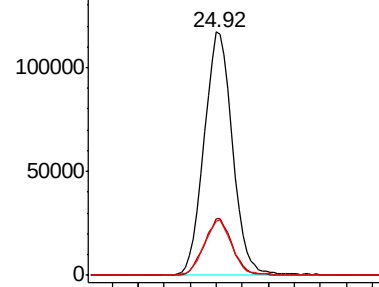


Abundance

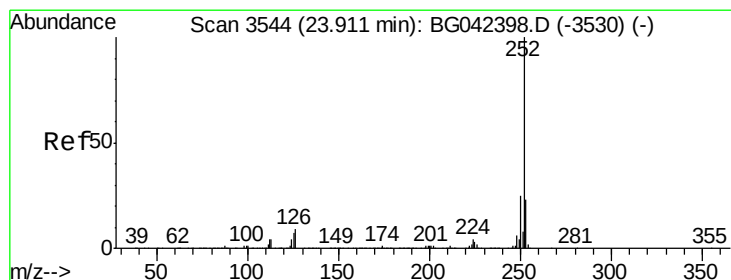
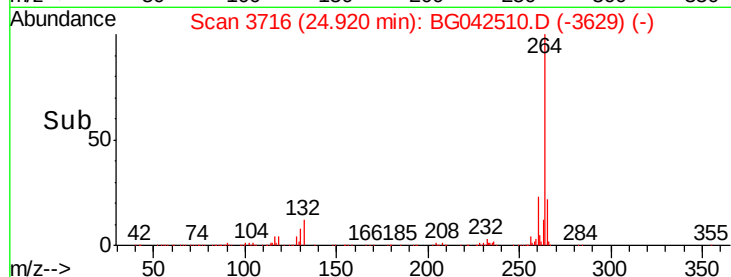
Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

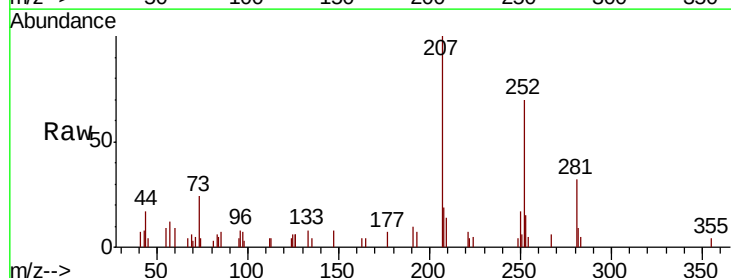


Time-->



#88
Benzo(b)fluoranthene
Concen: 0.564 ng
RT: 23.90 min Scan# 3543
Delta R.T. -0.01 min
Lab File: BG042510.D
Acq: 27 Aug 2019 18:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.6	27.8
125	8.8	5.6	8.4#

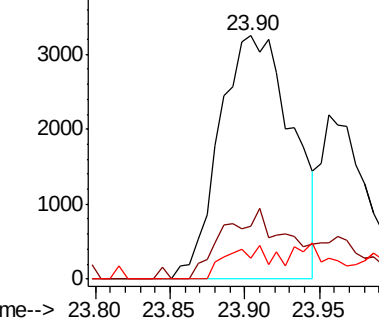


Abundance

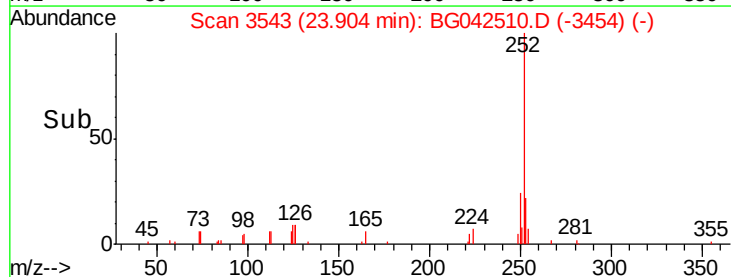
Ion 252.00 (251.70 to 252.70): E

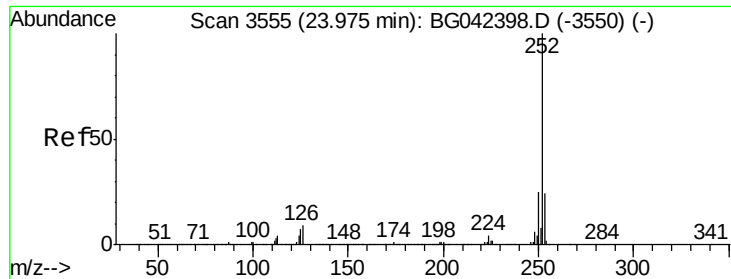
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->

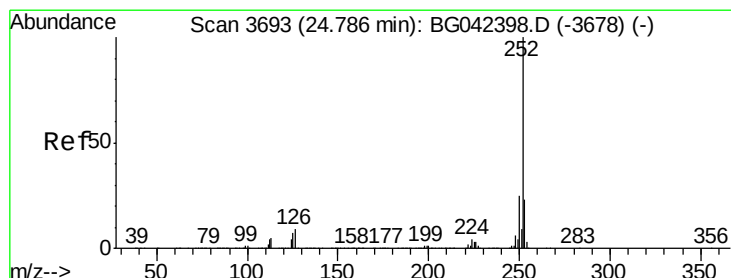
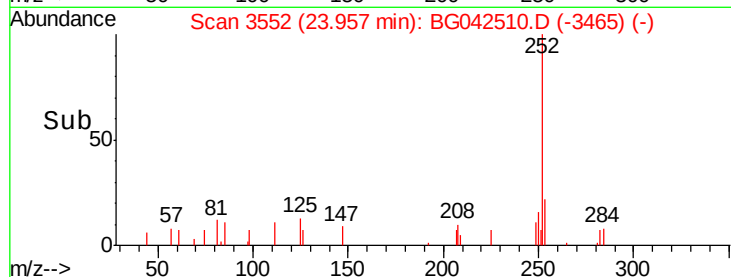
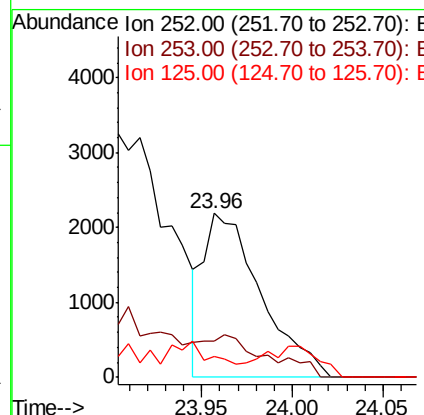
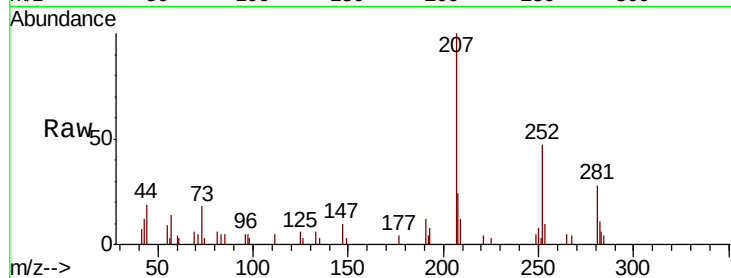




#89
Benzo(k)fluoranthene
Concen: 0.255 ng
RT: 23.96 min Scan# 3552
Delta R.T. -0.02 min
Lab File: BG042510.D
Acq: 27 Aug 2019 18:51

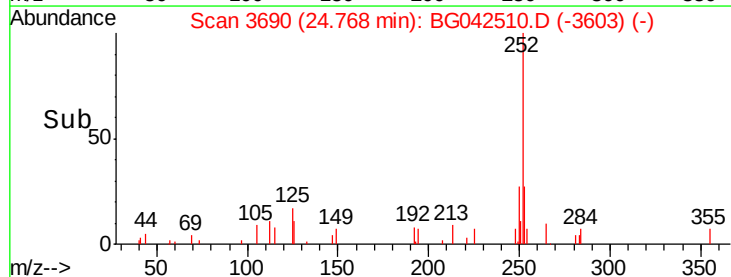
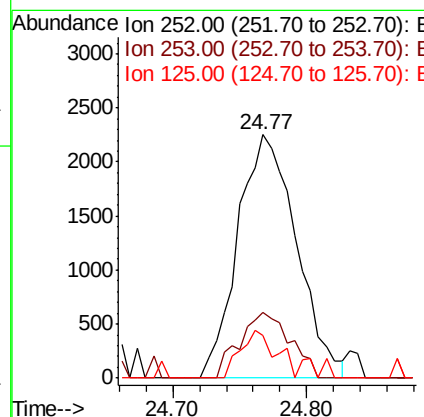
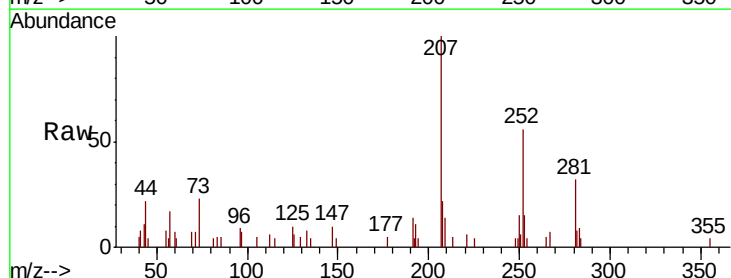
Instrument :
BNA_G
ClientSampleId :

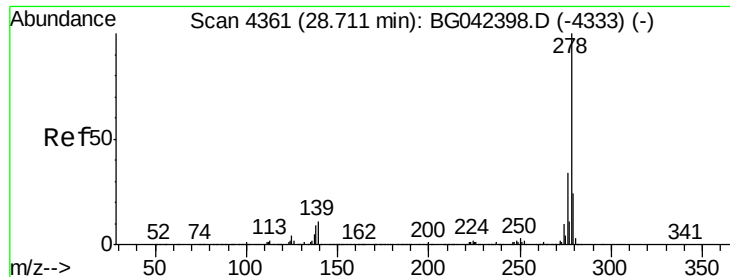
Tot Ion:252 Resp: 4784
Ion Ratio Lower Upper
252 100
253 22.0 18.6 27.8
125 12.8 5.8 8.6#



#90
Benzo(a)pyrene
Concen: 0.371 ng
RT: 24.77 min Scan# 3690
Delta R.T. -0.02 min
Lab File: BG042510.D
Acq: 27 Aug 2019 18:51

Tgt Ion:252 Resp: 6865
Ion Ratio Lower Upper
252 100
253 26.9 18.4 27.6
125 17.4 6.0 9.0#





#91

Dibenzo(a,h)anthracene

Concen: 0.011 ng

RT: 28.70 min Scan# 4359

Delta R.T. -0.01 min

Lab File: BG042510.D

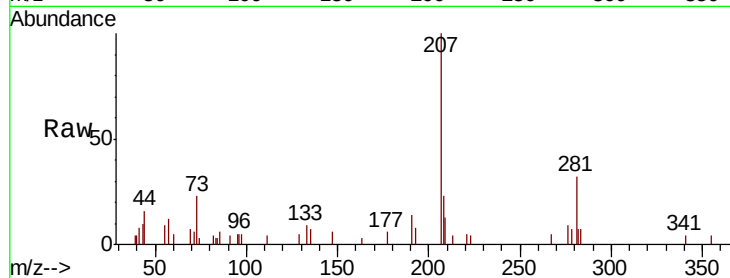
Acq: 27 Aug 2019 18:51

Instrument :

BNA_G

ClientSampleId :

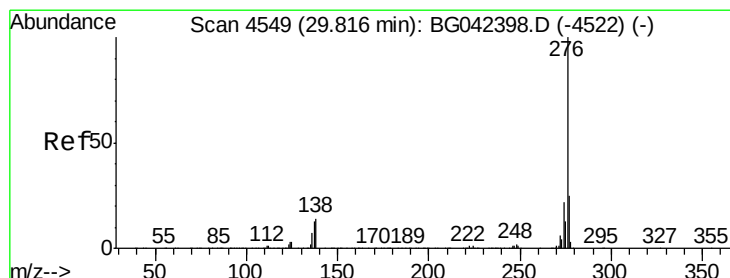
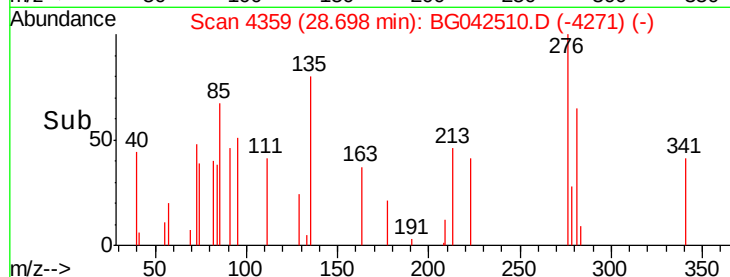
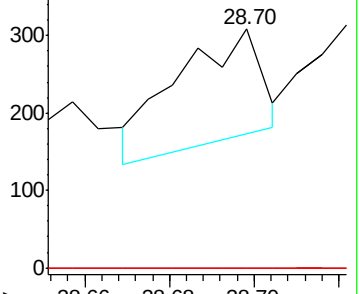
Tot Ion:278	Resp:	201
Ion Ratio	Lower	Upper
278	100	
139	0.0	8.8 13.2#
279	0.0	19.1 28.7#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 0.319 ng

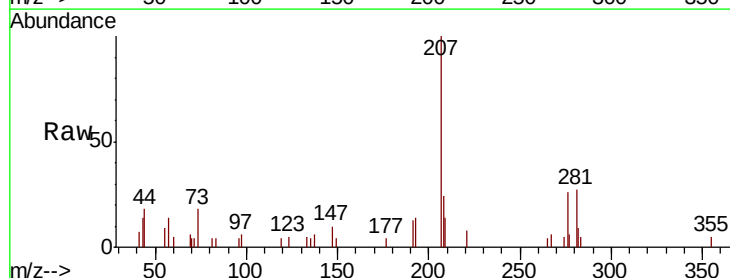
RT: 29.79 min Scan# 4545

Delta R.T. -0.02 min

Lab File: BG042510.D

Acq: 27 Aug 2019 18:51

Tgt Ion:276	Resp:	5976
Ion Ratio	Lower	Upper
276	100	
277	23.7	19.8 29.8
138	0.0	11.4 17.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

