

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG012420\
 Data File : BG044202.D
 Acq On : 25 Jan 2020 5:05
 Operator : CG/JU
 Sample : L1242-07
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 27 04:33:22 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 31 13:32:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	74833	20.00	ng	-0.04
21) Naphthalene-d8	10.73	136	334399	20.00	ng	-0.04
39) Acenaphthene-d10	14.56	164	229369	20.00	ng	-0.04
64) Phenanthrene-d10	17.31	188	459166	20.00	ng	-0.03
76) Chrysene-d12	21.55	240	395445	20.00	ng	-0.04
87) Perylene-d12	24.66	264	440262	20.00	ng	-0.06

System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	439983	107.96	ng	-0.03
7) Phenol-d6	7.09	99	605608	106.30	ng	-0.03
23) Nitrobenzene-d5	9.08	82	369233	59.07	ng	-0.04
42) 2,4,6-Tribromophenol	16.05	330	217685	90.69	ng	-0.03
45) 2-Fluorobiphenyl	13.19	172	843678	66.64	ng	-0.04
79) Terphenyl-d14	19.92	244	1103365	62.26	ng	-0.03

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.44	88	227	0.128	ng	# 21
3) Pyridine	4.23	79	68	0.013	ng	# 1
4) n-Nitrosodimethylamine	3.72	42	178	0.076	ng	# 1
6) Aniline	7.19	93	61	0.008	ng	# 43
9) Benzaldehyde	7.09	77	1432	0.393	ng	# 1
10) Phenol	7.12	94	27034	4.606	ng	# 93
11) bis(2-Chloroethyl)ether	7.19	93	61	0.012	ng	# 21
12) 1,3-Dichlorobenzene	7.97	146	79	0.014	ng	# 26
13) 1,4-Dichlorobenzene	7.97	146	79	0.014	ng	# 24
14) 1,2-Dichlorobenzene	7.97	146	79	0.015	ng	# 24
15) Benzyl Alcohol	8.25	79	5890	1.310	ng	# 54
16) 2,2'-oxybis(1-Chloropropan	8.49	45	61	0.008	ng	# 68
22) Acetophenone	8.75	105	72	0.009	ng	# 29
24) Nitrobenzene	9.08	77	1152	0.186	ng	# 32
25) Isophorone	9.66	82	110	0.009	ng	# 65
31) Naphthalene	10.78	128	757	0.047	ng	# 56
37) 2-Methylnaphthalene	12.42	142	329	0.027	ng	# 12
38) 1-Methylnaphthalene	12.42	142	329	0.028	ng	# 6
46) 1,1'-Biphenyl	13.40	154	2082	0.127	ng	# 95
48) 2-Nitroaniline	13.47	65	65	0.015	ng	# 3
49) Acenaphthylene	14.29	152	386	0.020	ng	# 56
50) Dimethylphthalate	14.02	163	133466	8.195	ng	# 96
51) 2,6-Dinitrotoluene	14.01	165	1363	0.370	ng	# 29
52) Acenaphthene	14.63	154	828	0.062	ng	# 66
55) Dibenzofuran	14.97	168	151	0.008	ng	# 43
58) Fluorene	15.62	166	429	0.029	ng	# 81
63) Azobenzene	15.84	77	94	0.006	ng	# 48
66) n-Nitrosodiphenylamine	16.05	169	8432	0.624	ng	# 46
71) Phenanthrene	17.35	178	2632	0.120	ng	# 97
72) Anthracene	17.35	178	2632	0.121	ng	# 97
73) Carbazole	17.78	167	54	0.003	ng	# 54
74) Di-n-butylphthalate	18.28	149	797	0.031	ng	# 73
75) Fluoranthene	19.36	202	7756	0.308	ng	# 89
77) Benzdine	19.92	184	17161	1.726	ng	# 91

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 Data File : BG044202.D
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 Sample : L1242-07
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

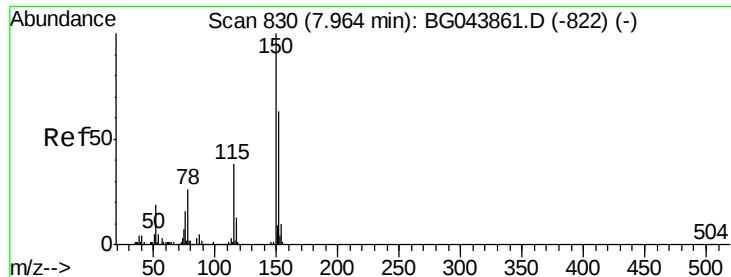
Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 27 04:33:22 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

78) Pyrene	19.72	202	9392	0.364	nq	93
80) Butylbenzylphthalate	20.61	149	168	0.014	nq	# 88
81) Benzo(a)anthracene	21.54	228	6583	0.268	nq	90
82) 3,3'-Dichlorobenzidine	21.53	252	56	0.006	nq	# 25
83) Chrysene	21.60	228	7043	0.302	nq	# 89
84) Bis(2-ethylhexyl)phthalate	21.45	149	3459	0.204	nq	# 83
85) Di-n-octyl phthalate	22.65	149	584	0.020	nq	# 72
86) Indeno(1,2,3-cd)pyrene	28.20	276	1372	0.043	nq	# 49
88) Benzo(b)fluoranthene	23.69	252	6155	0.236	nq	# 92
89) Benzo(k)fluoranthene	23.69	252	6155	0.249	nq	# 91
90) Benzo(a)pyrene	24.52	252	5764	0.235	nq	# 88
91) Dibenzo(a,h)anthracene	28.26	278	240	0.010	nq	# 54
92) Benzo(a,h,i)perylene	29.30	276	1275	0.052	nq	# 68

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

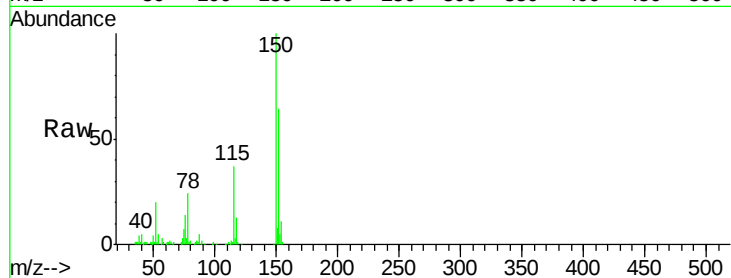


#1

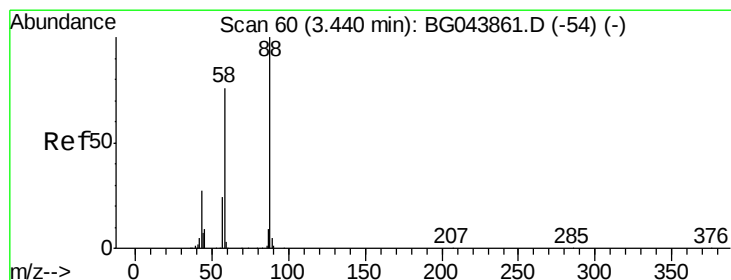
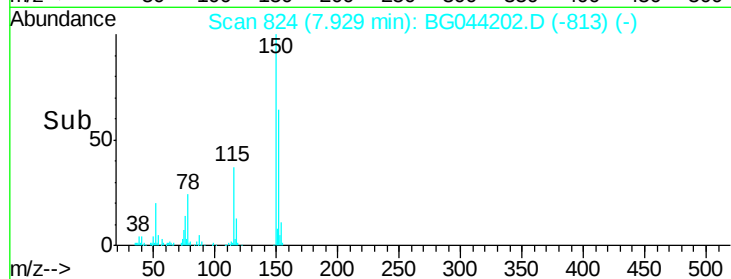
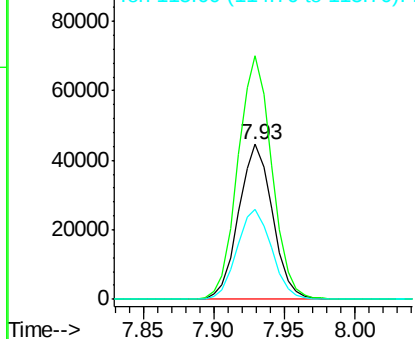
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.04 min
Lab File: BG044202.D
Acq: 25 Jan 2020 5:05

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 74833
Ion Ratio Lower Upper
152 100
150 157.0 127.0 190.4
115 57.9 47.8 71.8



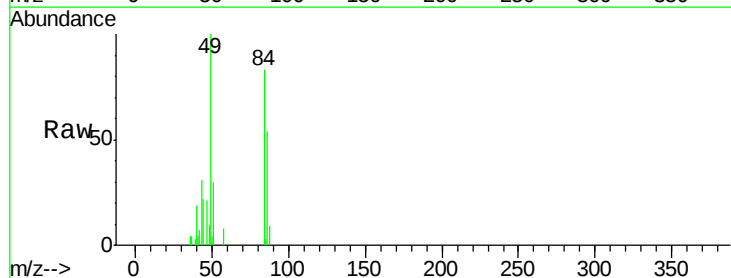
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



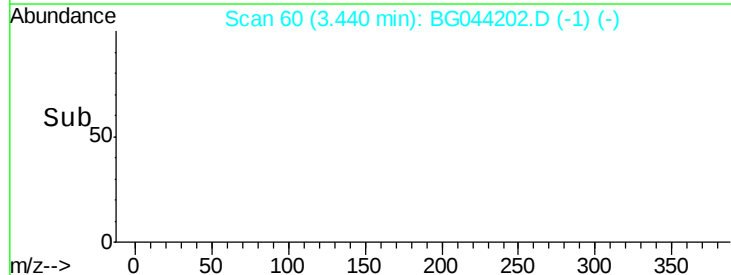
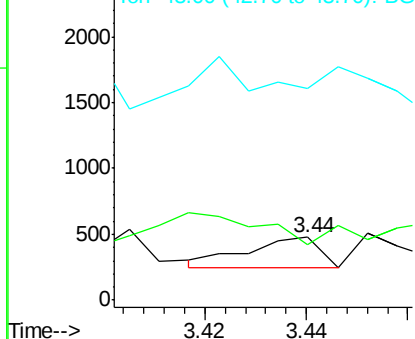
#2

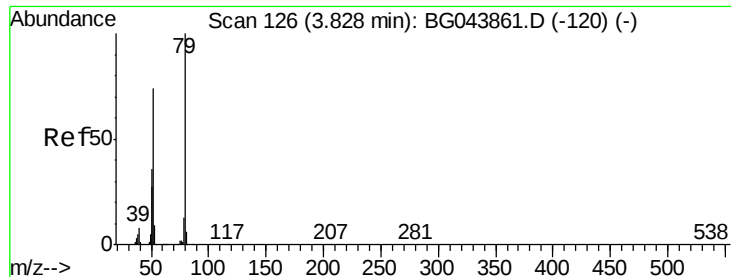
1,4-Dioxane
Concen: 0.128 ng
RT: 3.44 min Scan# 60
Delta R.T. 0.00 min
Lab File: BG044202.D
Acq: 25 Jan 2020 5:05

Tgt Ion: 88 Resp: 227
Ion Ratio Lower Upper
88 100
58 0.0 59.8 89.8#
43 0.0 22.9 34.3#



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





#3

Pvridine

Concen: 0.013 ng

RT: 4.23 min Scan# 195

Delta R.T. 0.41 min

Lab File: BG044202.D

Acq: 25 Jan 2020 5:05

Instrument :

BNA_G

ClientSampled :

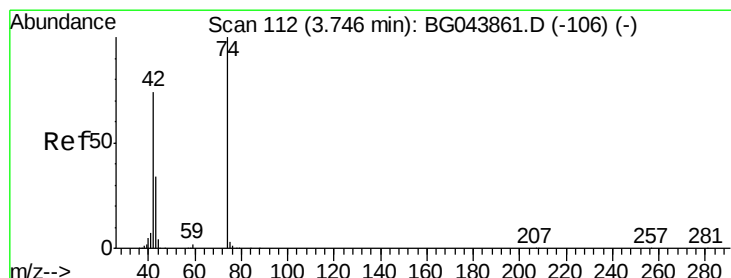
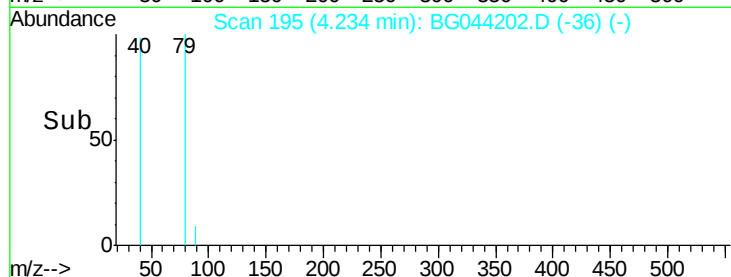
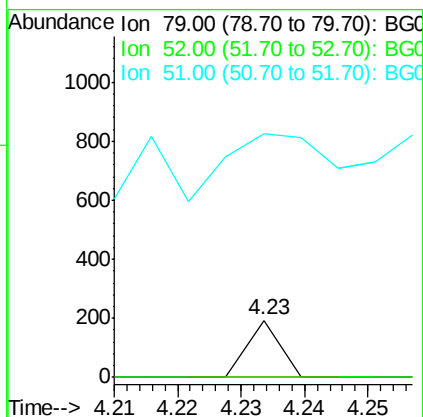
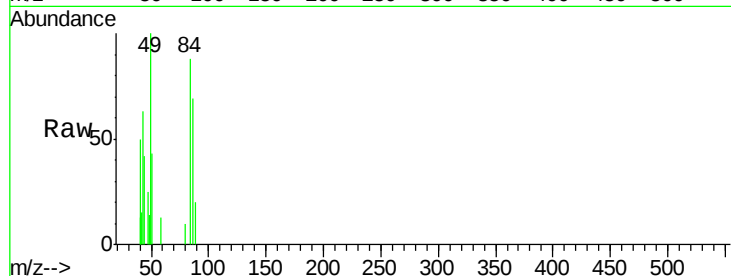
Tot Ion: 79 Resp: 68

Ion Ratio Lower Upper

79 100

52 0.0 58.9 88.3#

51 427.5 28.6 43.0#



#4

n-Nitrosodimethylamine

Concen: 0.076 ng

RT: 3.72 min Scan# 108

Delta R.T. -0.02 min

Lab File: BG044202.D

Acq: 25 Jan 2020 5:05

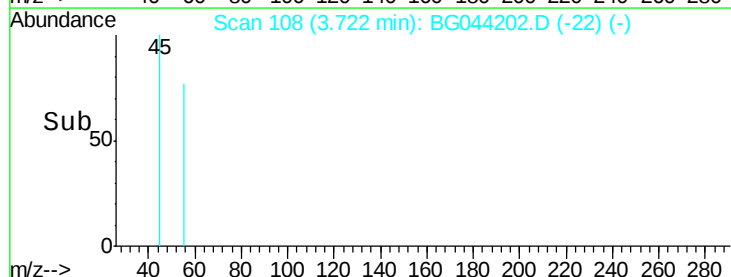
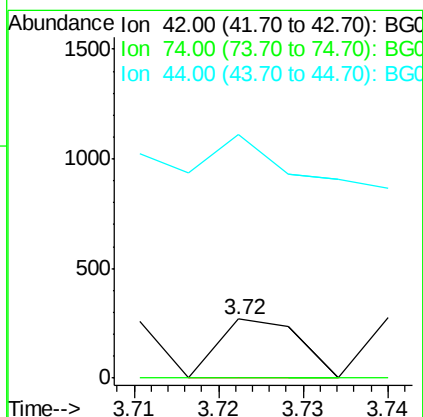
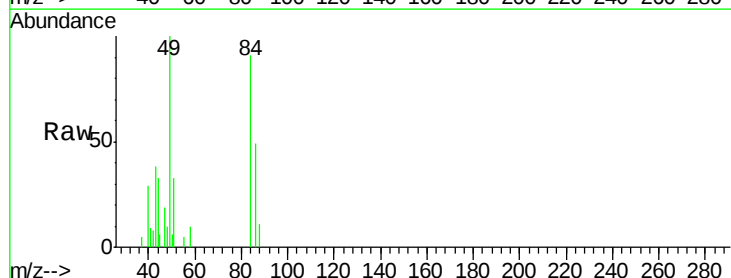
Tgt Ion: 42 Resp: 178

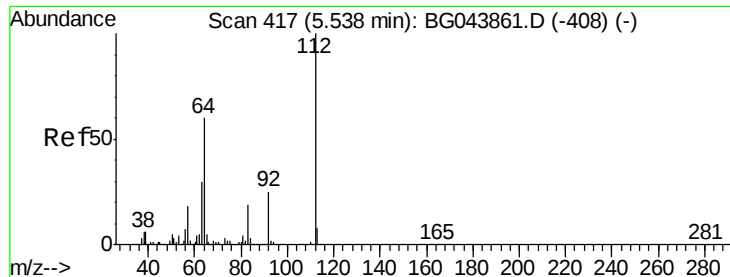
Ion Ratio Lower Upper

42 100

74 0.0 108.6 162.8#

44 414.6 5.0 7.6#





#5

2-Fluorophenol

Concen: 107.955 ng

RT: 5.51 min Scan# 412

Delta R.T. -0.03 min

Lab File: BG044202.D

Acq: 25 Jan 2020 5:05

Instrument :

BNA_G

ClientSampleId :

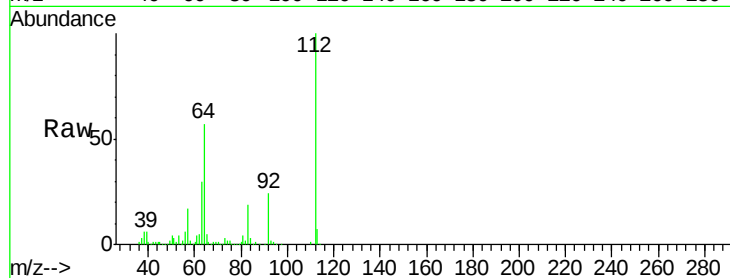
Tot Ion:112 Resp: 439983

Ion Ratio Lower Upper

112 100

64 57.4 47.8 71.6

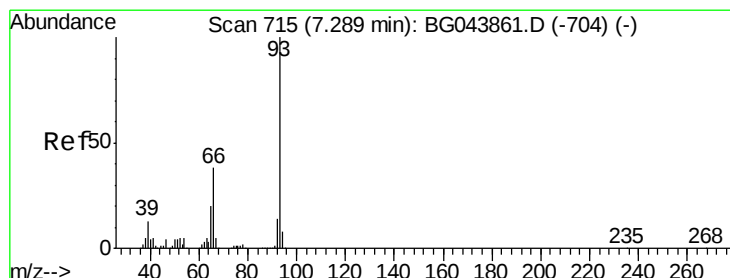
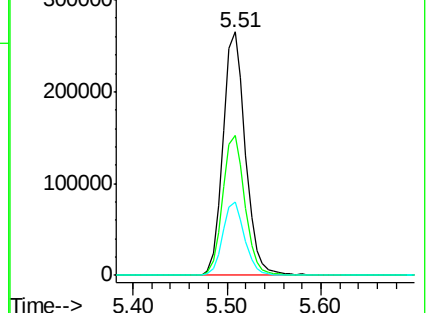
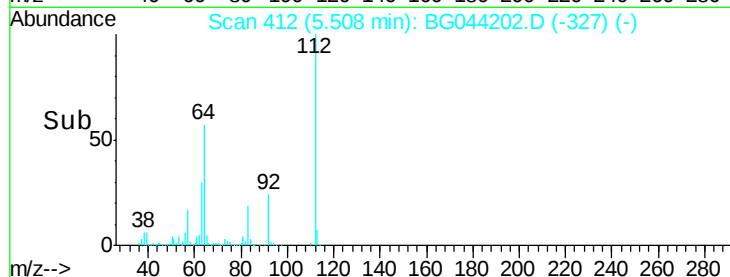
63 30.1 24.3 36.5



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: 0.008 ng

RT: 7.19 min Scan# 699

Delta R.T. -0.09 min

Lab File: BG044202.D

Acq: 25 Jan 2020 5:05

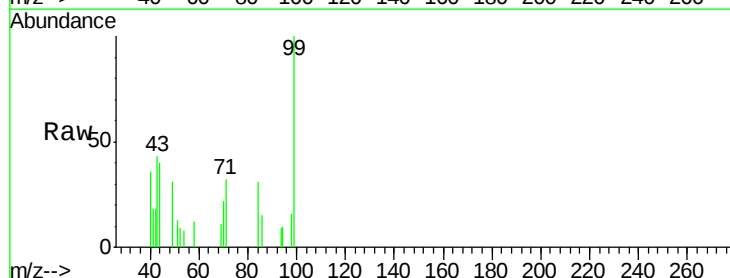
Tgt Ion: 93 Resp: 61

Ion Ratio Lower Upper

93 100

66 0.0 30.8 46.2#

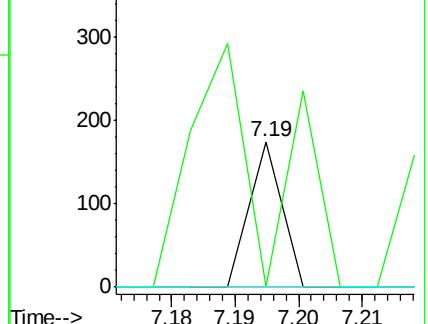
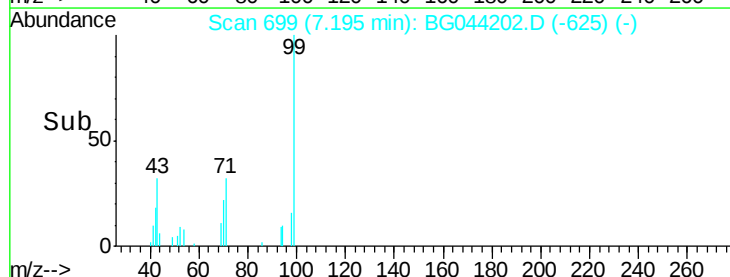
65 0.0 16.0 24.0#

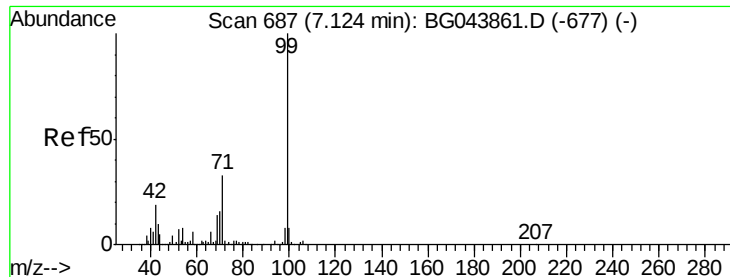


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 106.304 ng

RT: 7.09 min Scan# 682

Delta R.T. -0.03 min

Lab File: BG044202.D

Acq: 25 Jan 2020 5:05

Instrument :

BNA_G

ClientSampleId :

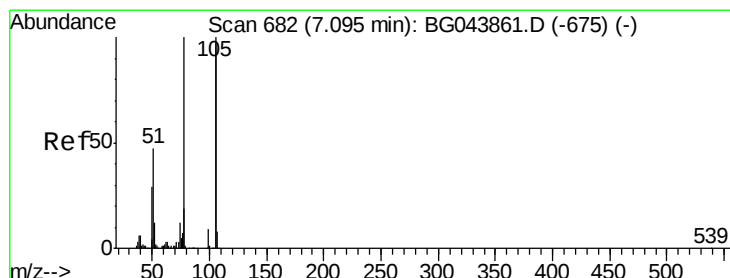
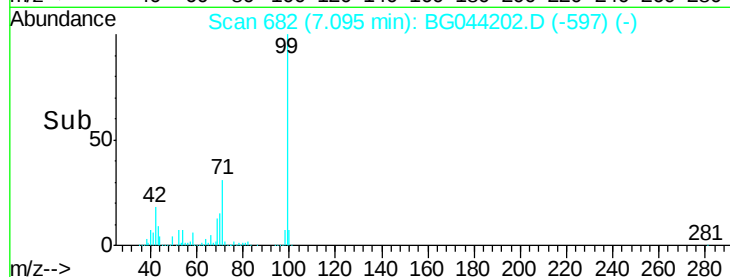
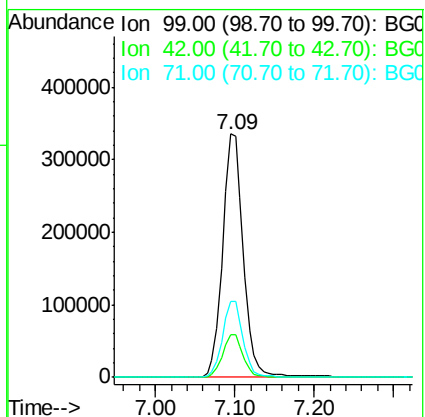
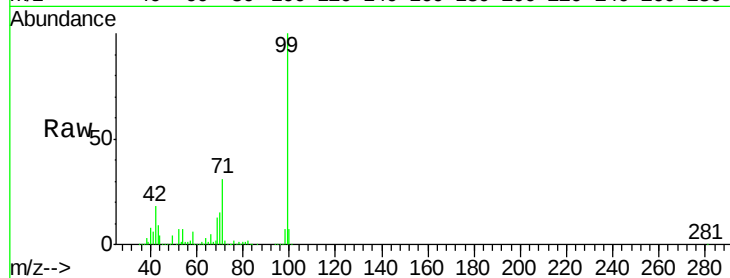
Tot Ion: 99 Resp: 605608

Ion Ratio Lower Upper

99 100

42 17.6 14.9 22.3

71 31.4 26.4 39.6



#9

Benzaldehyde

Concen: 0.393 ng

RT: 7.09 min Scan# 682

Delta R.T. -0.00 min

Lab File: BG044202.D

Acq: 25 Jan 2020 5:05

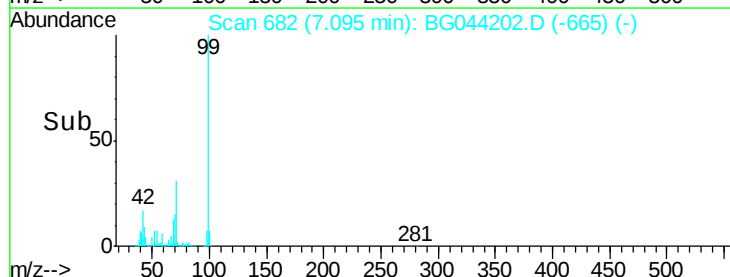
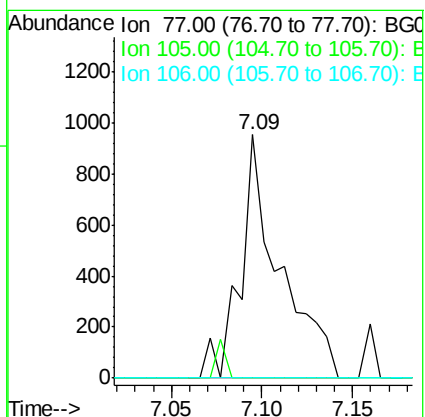
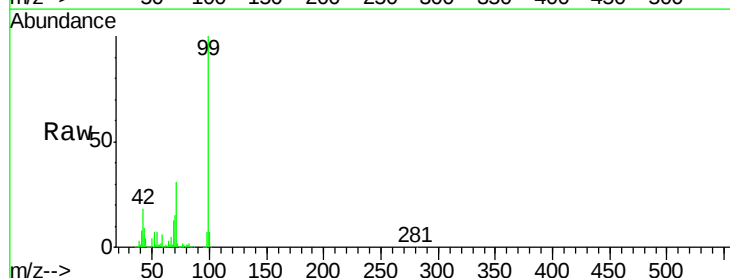
Tgt Ion: 77 Resp: 1432

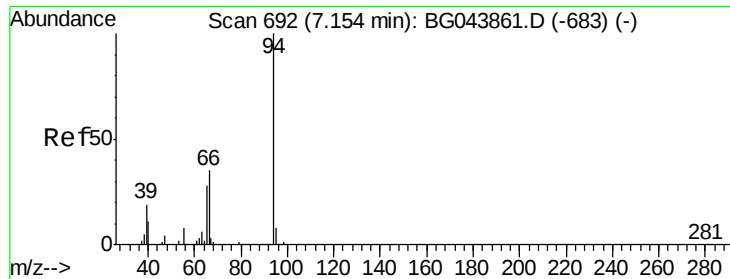
Ion Ratio Lower Upper

77 100

105 0.0 80.2 120.2#

106 0.0 77.2 117.2#





#10

Phenol

Concen: 4.606 ng

RT: 7.12 min Scan# 687

Delta R.T. -0.03 min

Lab File: BG044202.D

Acq: 25 Jan 2020 5:05

Instrument :

BNA_G

ClientSampleId :

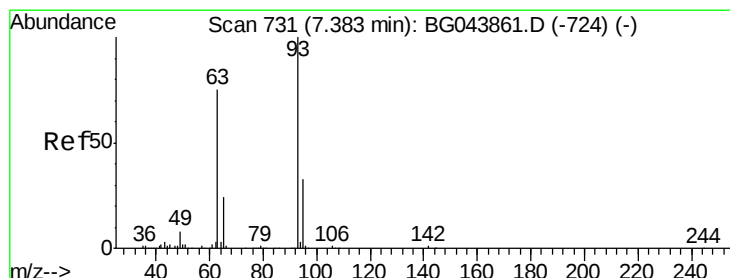
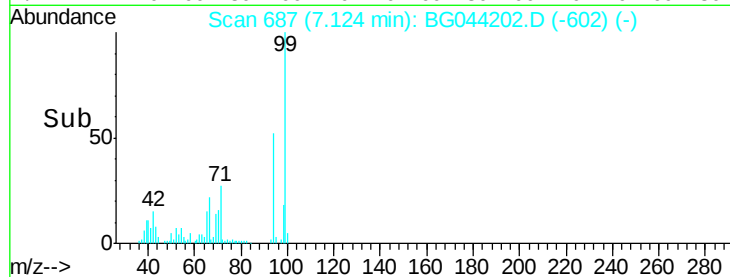
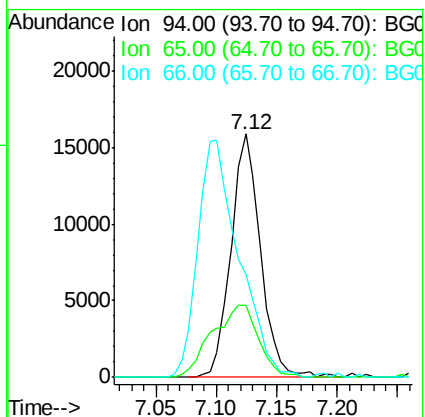
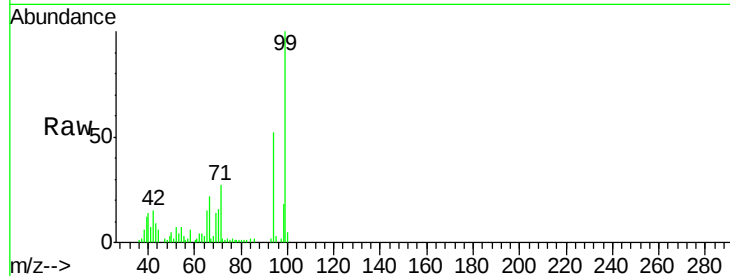
Tot Ion: 94 Resp: 27034

Ion Ratio Lower Upper

94 100

65 29.6 8.1 48.1

66 42.0 15.6 55.6



#11

bis(2-Chloroethyl)ether

Concen: 0.012 ng

RT: 7.19 min Scan# 699

Delta R.T. -0.19 min

Lab File: BG044202.D

Acq: 25 Jan 2020 5:05

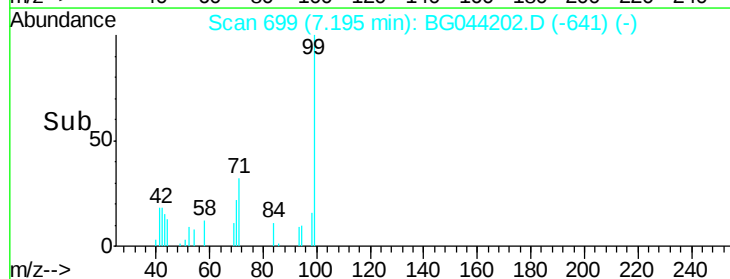
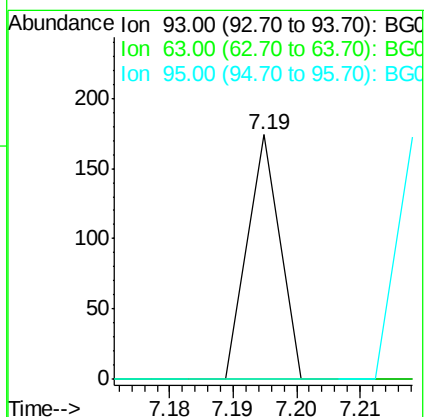
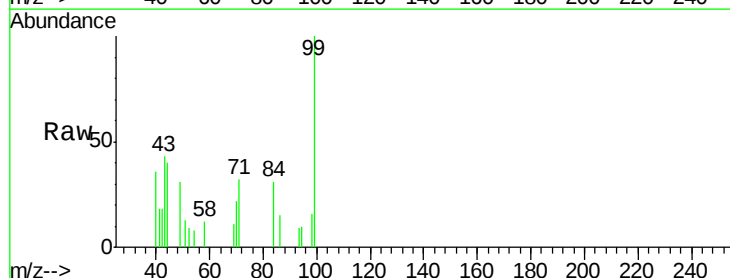
Tgt Ion: 93 Resp: 61

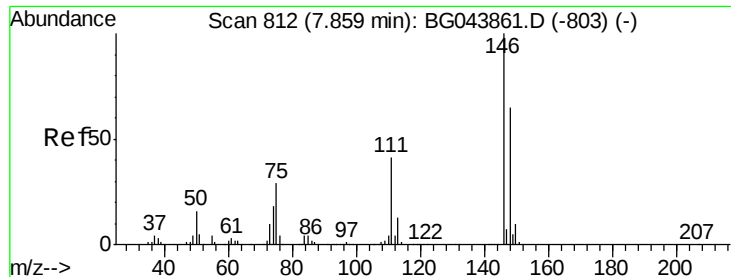
Ion Ratio Lower Upper

93 100

63 0.0 55.0 95.0#

95 0.0 13.3 53.3#





#12

1,3-Dichlorobenzene

Concen: 0.014 ng

RT: 7.97 min Scan# 831

Delta R.T. 0.11 min

Lab File: BG044202.D

Acq: 25 Jan 2020 5:05

Instrument :

BNA_G

ClientSampleId :

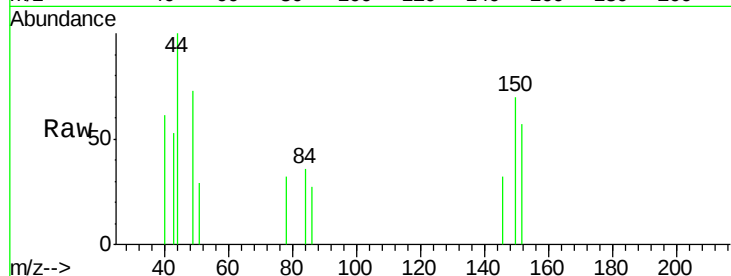
Tot Ion:146 Resp: 79

Ion Ratio Lower Upper

146 100

148 0.0 52.1 78.1#

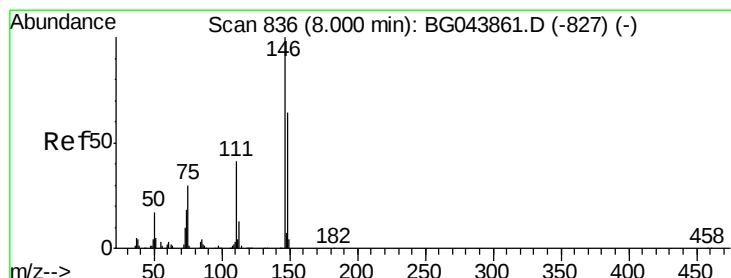
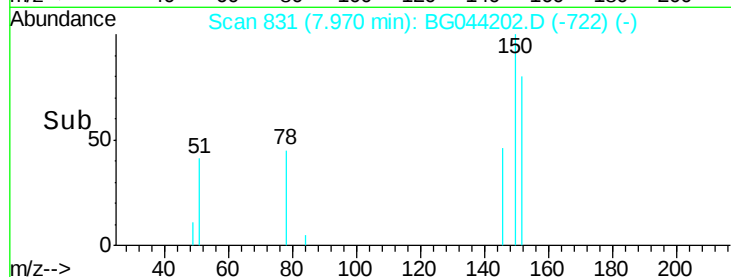
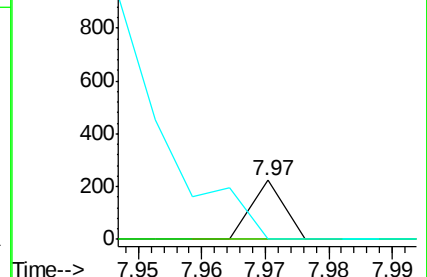
75 0.0 23.0 34.4#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): B



#13

1,4-Dichlorobenzene

Concen: 0.014 ng

RT: 7.97 min Scan# 831

Delta R.T. -0.03 min

Lab File: BG044202.D

Acq: 25 Jan 2020 5:05

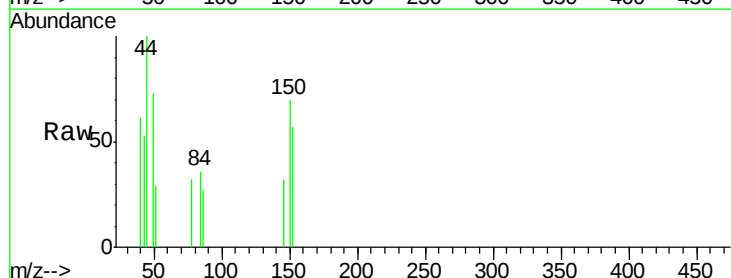
Tgt Ion:146 Resp: 79

Ion Ratio Lower Upper

146 100

148 0.0 51.2 76.8#

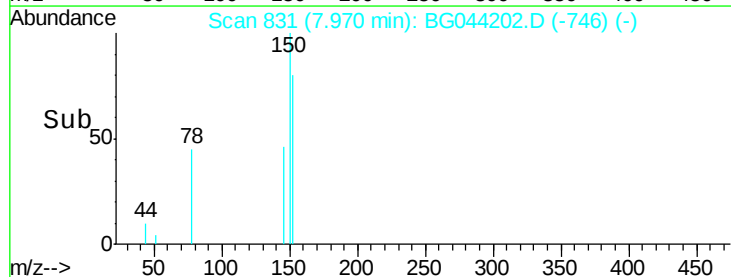
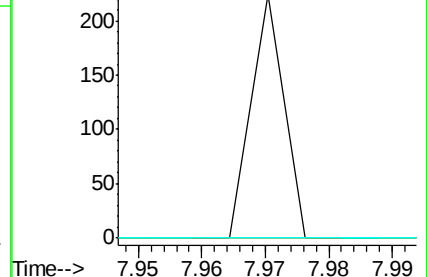
111 0.0 33.1 49.7#

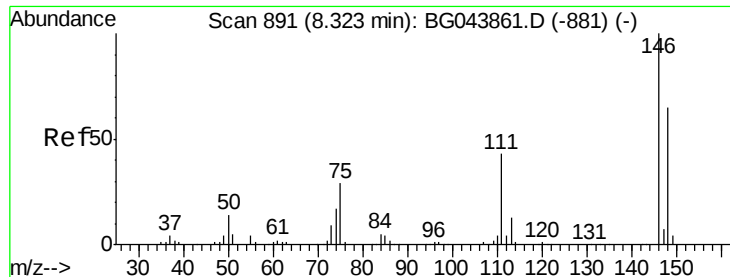


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

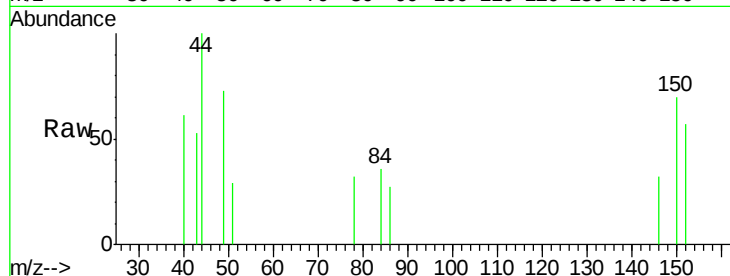




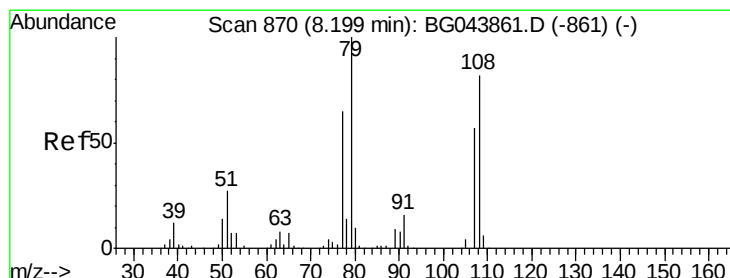
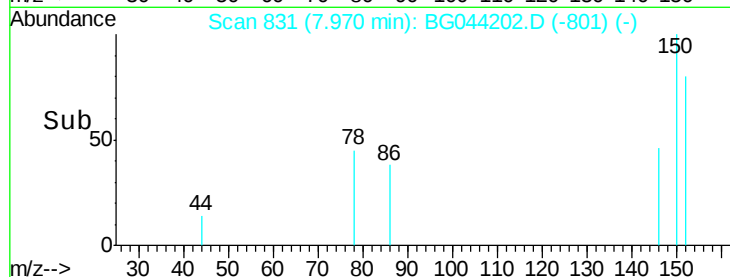
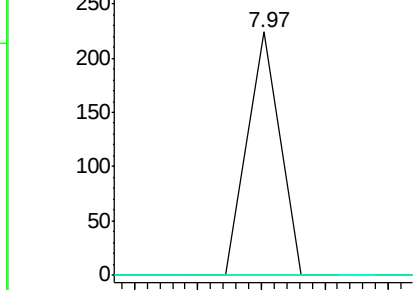
#14
 1,2-Dichlorobenzene
 Concen: 0.015 ng
 RT: 7.97 min Scan# 831
 Delta R.T. -0.35 min
 Lab File: BG044202.D
 Acq: 25 Jan 2020 5:05

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:146 Resp: 79
 Ion Ratio Lower Upper
 146 100
 148 0.0 51.7 77.5#
 111 0.0 34.4 51.6#

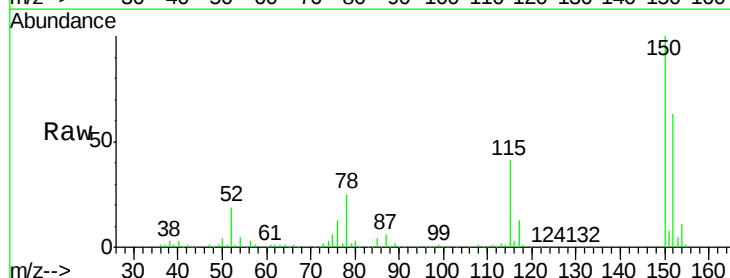


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

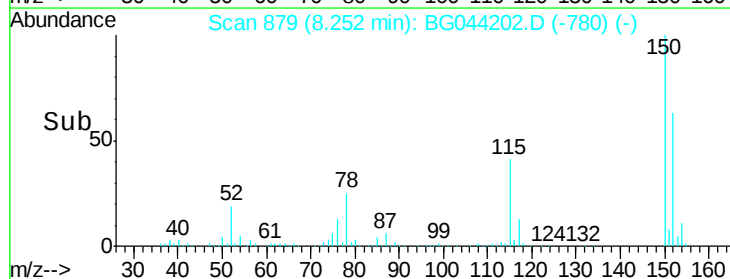
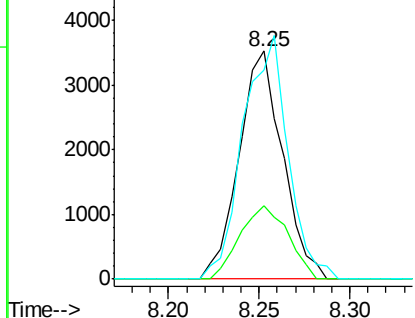


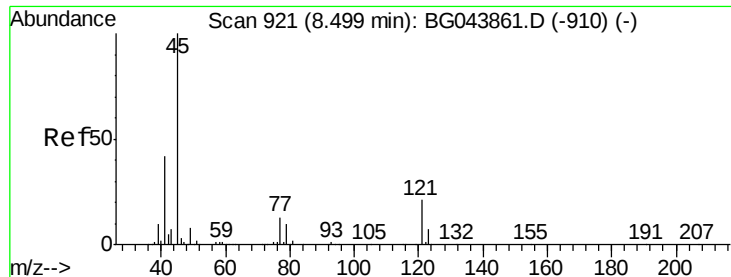
#15
 Benzyl Alcohol
 Concen: 1.310 ng
 RT: 8.25 min Scan# 879
 Delta R.T. 0.05 min
 Lab File: BG044202.D
 Acq: 25 Jan 2020 5:05

Tgt Ion: 79 Resp: 5890
 Ion Ratio Lower Upper
 79 100
 108 32.3 65.6 98.4#
 77 91.8 52.0 78.0#



Abundance Ion 79.00 (78.70 to 79.70): BGC
 Ion 108.00 (107.70 to 108.70): E
 Ion 77.00 (76.70 to 77.70): BGC





#16

2,2'-oxvbis(1-Chloropropane)

Concen: 0.008 ng

RT: 8.49 min Scan# 920

Delta R.T. -0.01 min

Lab File: BG044202.D

Acq: 25 Jan 2020 5:05

Instrument :

BNA_G

ClientSampleId :

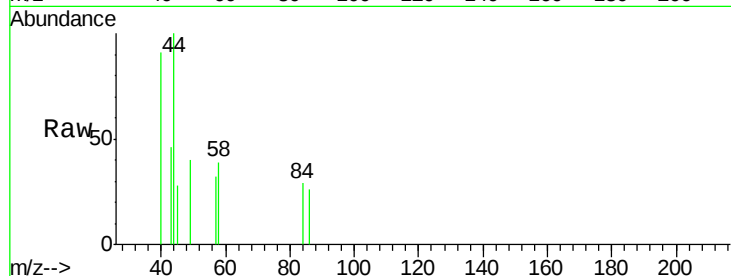
Tot Ion: 45 Resp: 61

Ion Ratio Lower Upper

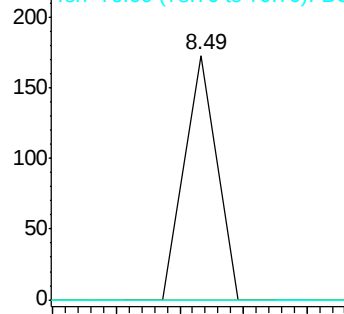
45 100

77 0.0 0.0 33.8

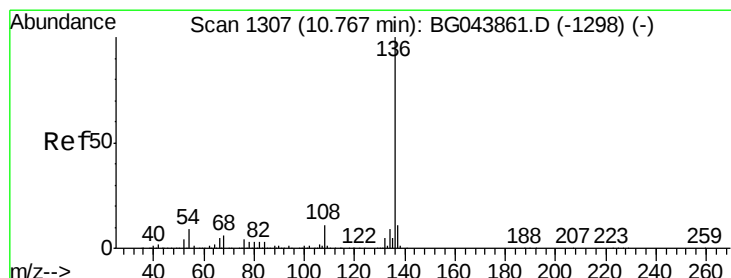
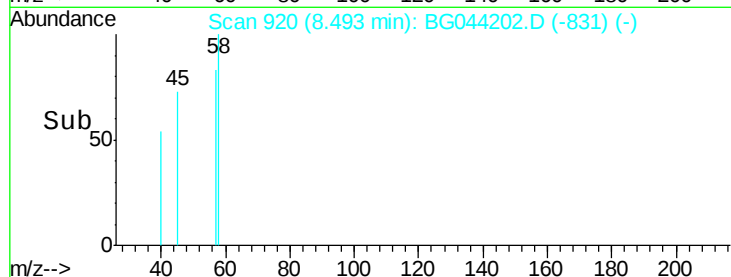
79 0.0 0.0 31.0



Abundance Ion 45.00 (44.70 to 45.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC



Time--> 8.47 8.48 8.49 8.50 8.51



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.73 min Scan# 1301

Delta R.T. -0.04 min

Lab File: BG044202.D

Acq: 25 Jan 2020 5:05

Tgt Ion: 136 Resp: 334399

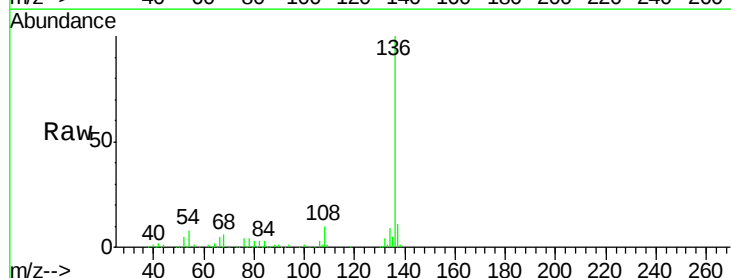
Ion Ratio Lower Upper

136 100

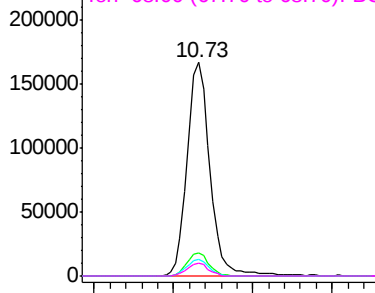
137 11.0 8.8 13.2

54 7.5 7.0 10.4

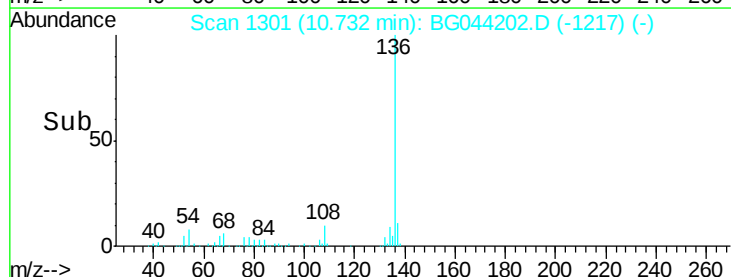
68 5.8 4.9 7.3

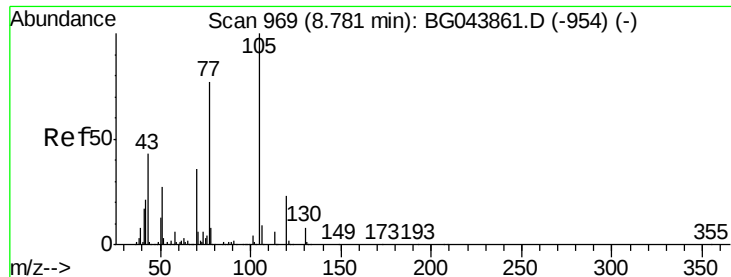


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC



Time--> 10.60 10.70 10.80 10.90

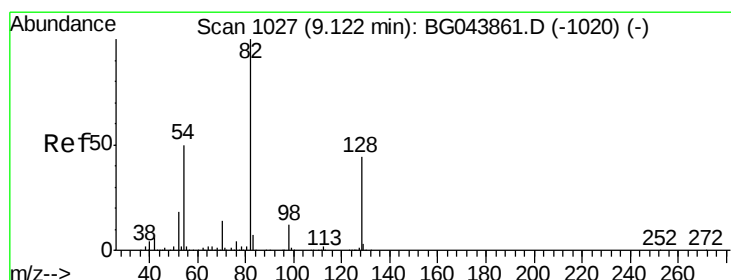
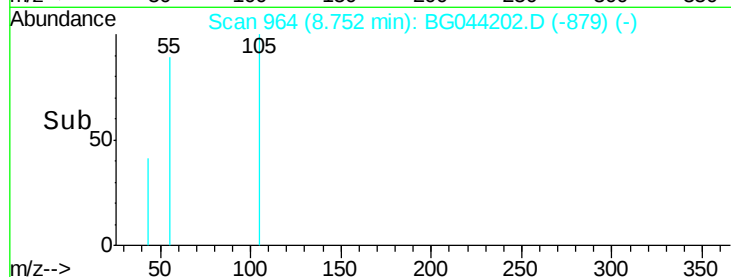
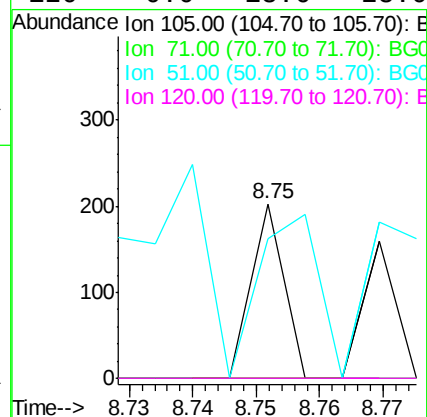
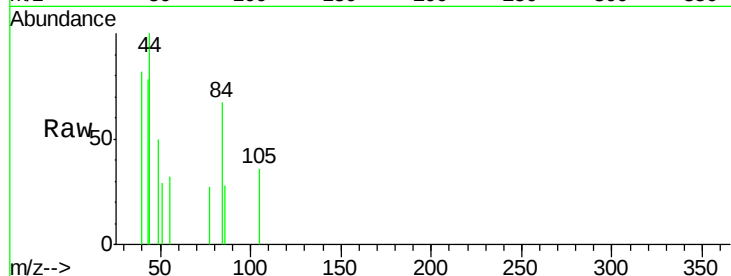




#22
Acetophenone
Concen: 0.009 ng
RT: 8.75 min Scan# 964
Delta R.T. -0.03 min
Lab File: BG044202.D
Acq: 25 Jan 2020 5:05

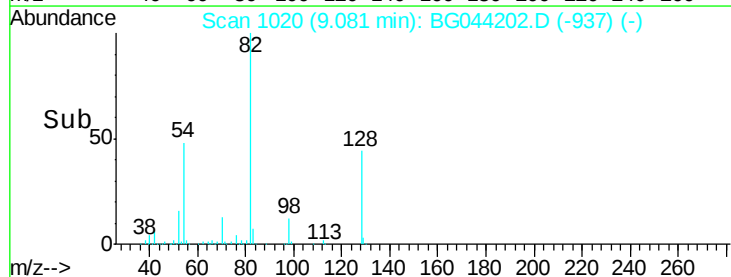
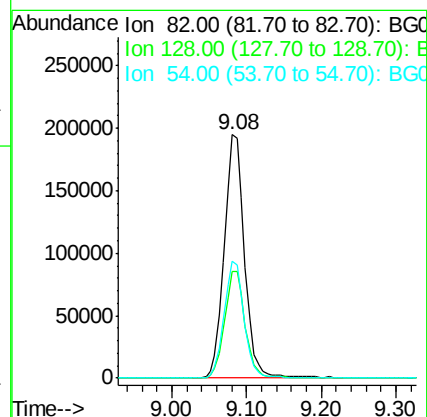
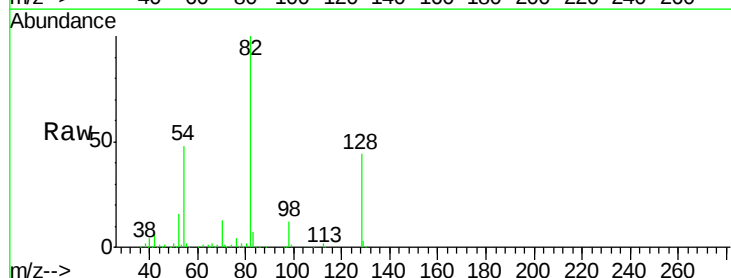
Instrument :
BNA_G
ClientSampleId :

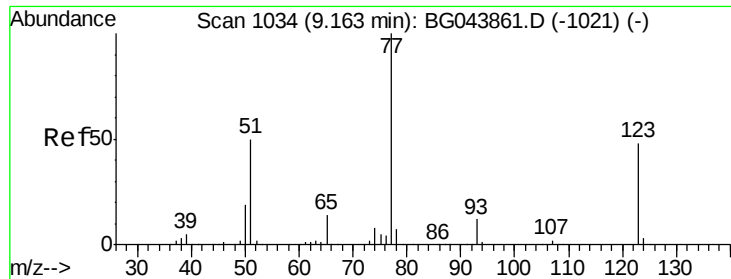
Tot Ion:105 Resp: 72
Ion Ratio Lower Upper
105 100
71 0.0 4.8 7.2#
51 79.8 21.4 32.0#
120 0.0 18.6 28.0#



#23
Nitrobenzene-d5
Concen: 59.068 ng
RT: 9.08 min Scan# 1020
Delta R.T. -0.04 min
Lab File: BG044202.D
Acq: 25 Jan 2020 5:05

Tgt Ion: 82 Resp: 369233
Ion Ratio Lower Upper
82 100
128 43.6 35.1 52.7
54 48.2 40.1 60.1

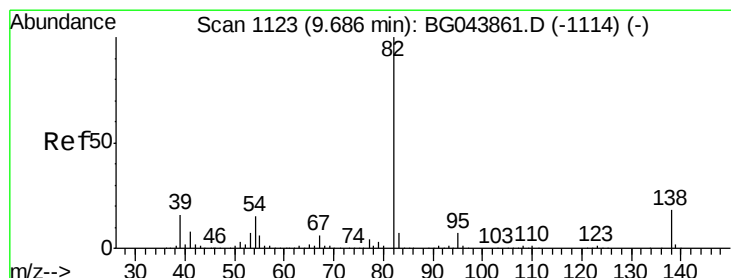
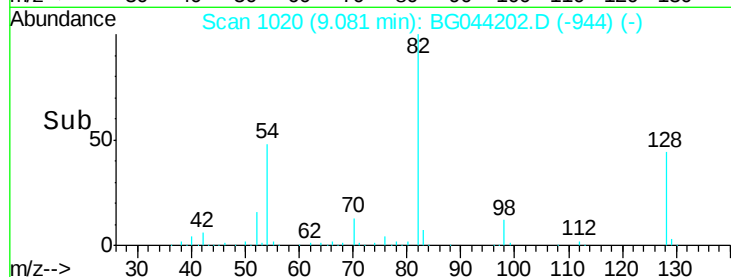
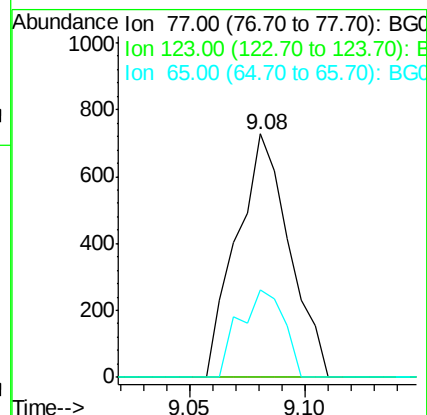
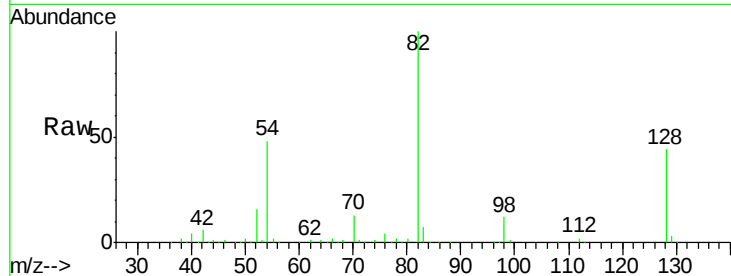




#24
 Nitrobenzene
 Concen: 0.186 ng
 RT: 9.08 min Scan# 1020
 Delta R.T. -0.08 min
 Lab File: BG044202.D
 Acq: 25 Jan 2020 5:05

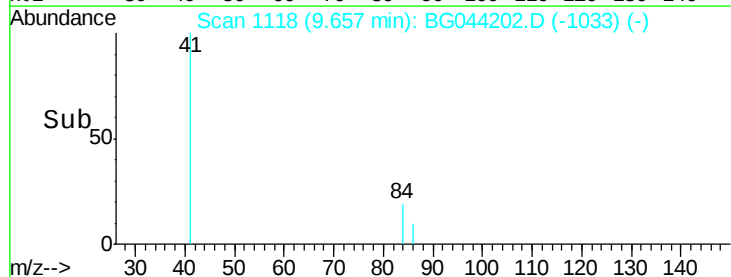
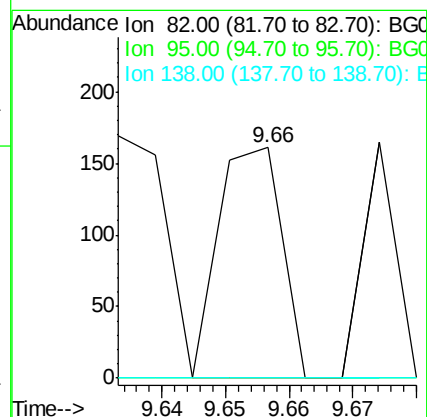
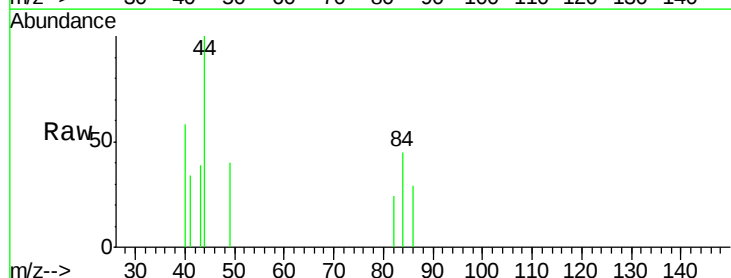
Instrument :
 BNA_G
 ClientSampled :

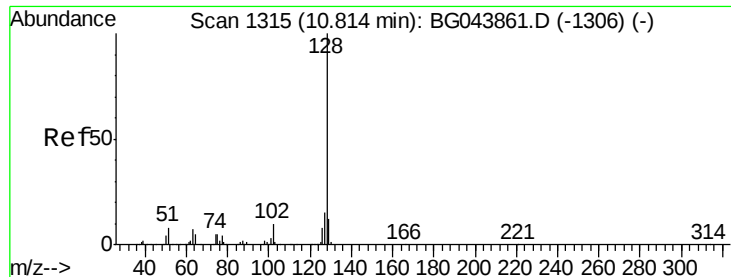
Tot Ion: 77 Resp: 1152
 Ion Ratio Lower Upper
 77 100
 123 0.0 38.7 58.1#
 65 35.9 11.1 16.7#



#25
 Isophorone
 Concen: 0.009 ng
 RT: 9.66 min Scan# 1118
 Delta R.T. -0.03 min
 Lab File: BG044202.D
 Acq: 25 Jan 2020 5:05

Tgt Ion: 82 Resp: 110
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.8 8.6#
 138 0.0 14.6 22.0#

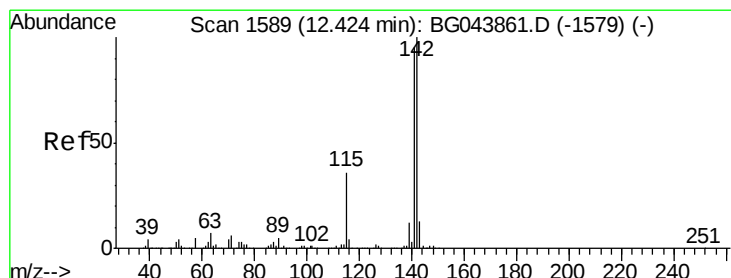
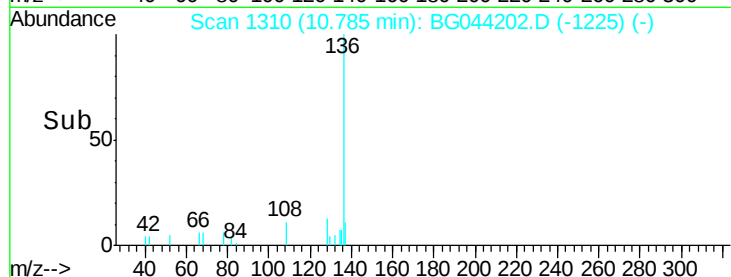
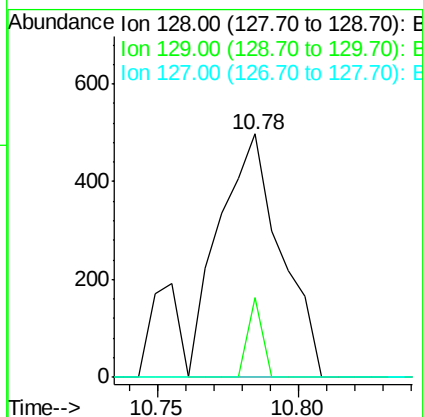
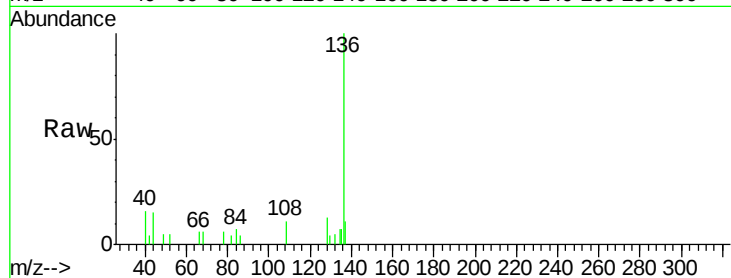




#31
Naphthalene
Concen: 0.047 ng
RT: 10.78 min Scan# 1310
Delta R.T. -0.03 min
Lab File: BG044202.D
Acq: 25 Jan 2020 5:05

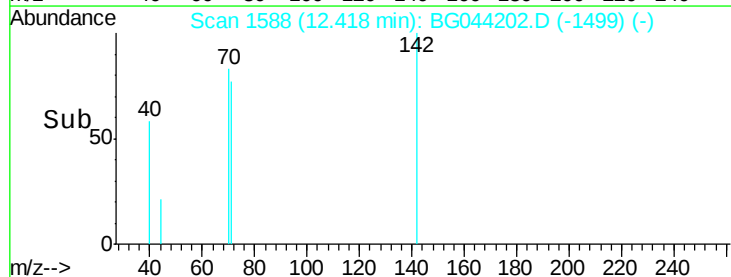
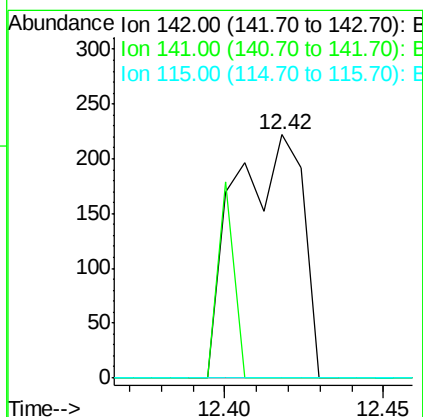
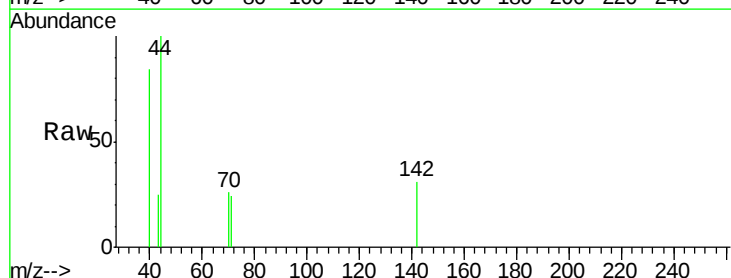
Instrument :
BNA_G
ClientSampleId :

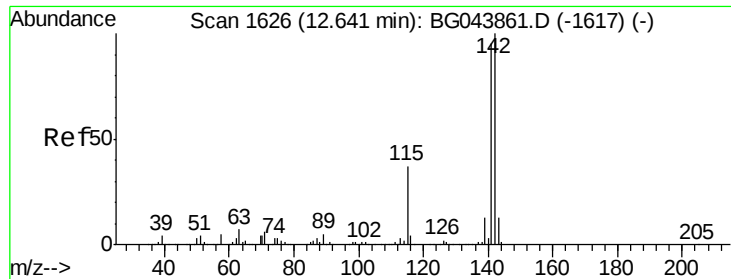
Tot Ion:128 Resp: 757
Ion Ratio Lower Upper
128 100
129 32.9 9.8 14.6#
127 0.0 12.0 18.0#



#37
2-Methylnaphthalene
Concen: 0.027 ng
RT: 12.42 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BG044202.D
Acq: 25 Jan 2020 5:05

Tgt Ion:142 Resp: 329
Ion Ratio Lower Upper
142 100
141 0.0 75.8 113.8#
115 0.0 28.6 42.8#

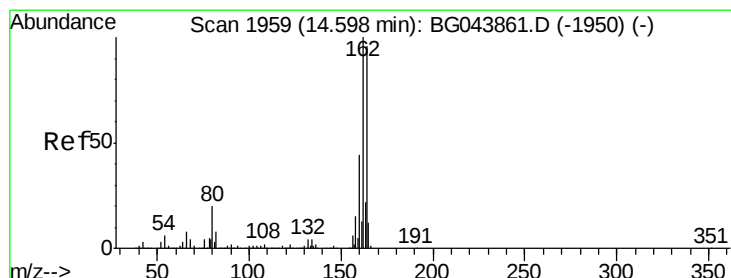
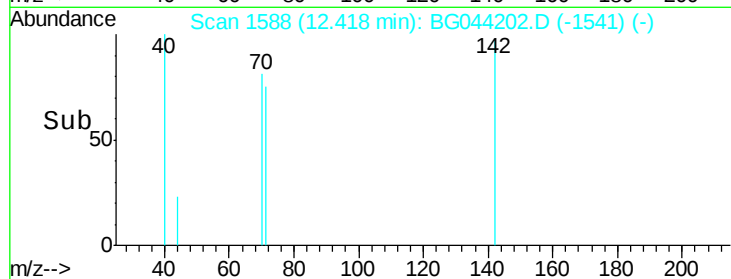
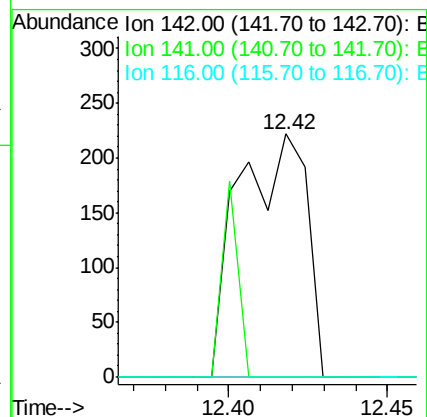
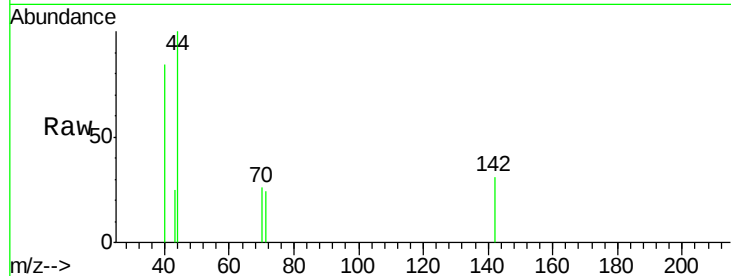




#38
1-Methylnaphthalene
Concen: 0.028 ng
RT: 12.42 min Scan# 1588
Delta R.T. -0.22 min
Lab File: BG044202.D
Acq: 25 Jan 2020 5:05

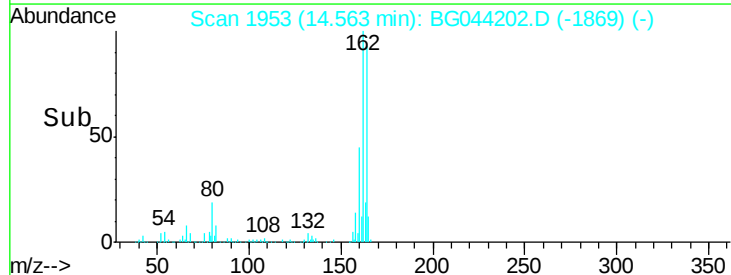
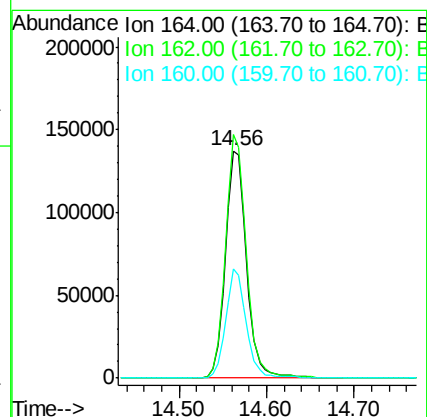
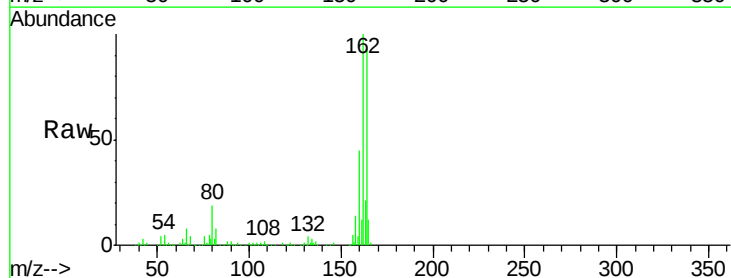
Instrument :
BNA_G
ClientSampleId :

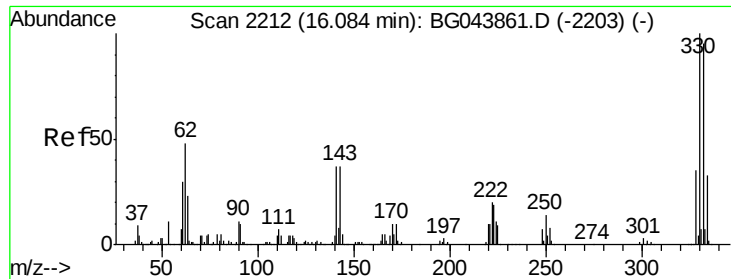
Tot Ion:142 Resp: 329
Ion Ratio Lower Upper
142 100
141 0.0 76.0 114.0#
116 0.0 3.1 4.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.56 min Scan# 1953
Delta R.T. -0.04 min
Lab File: BG044202.D
Acq: 25 Jan 2020 5:05

Tgt Ion:164 Resp: 229369
Ion Ratio Lower Upper
164 100
162 107.2 83.0 124.4
160 48.0 36.1 54.1

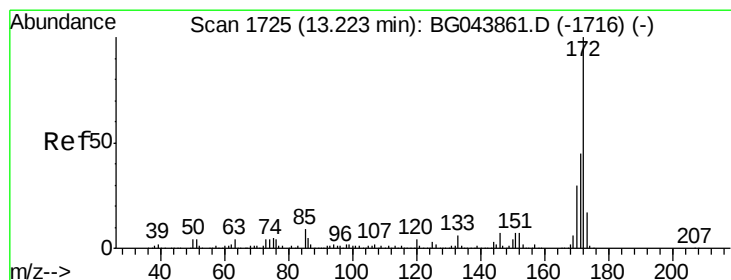
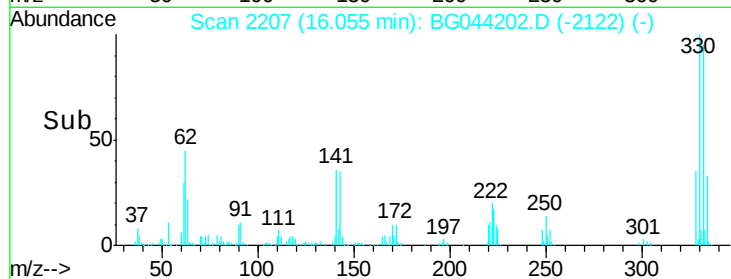
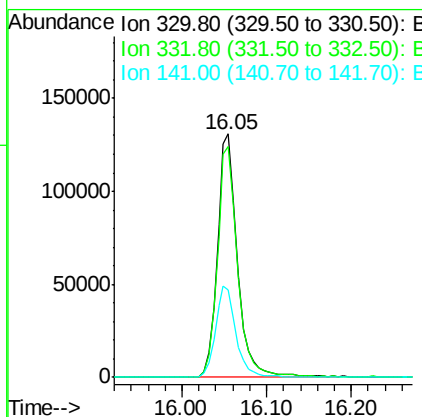
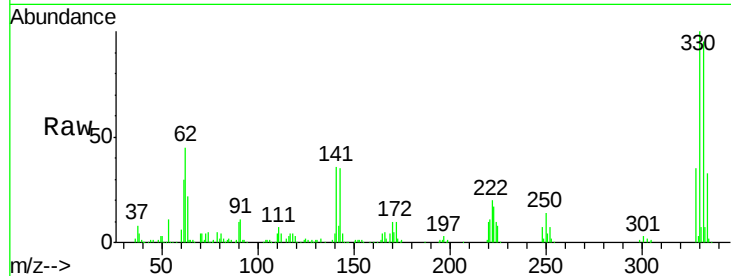




#42
 2,4,6-Tribromophenol
 Concen: 90.691 ng
 RT: 16.05 min Scan# 2207
 Delta R.T. -0.03 min
 Lab File: BG044202.D
 Acq: 25 Jan 2020 5:05

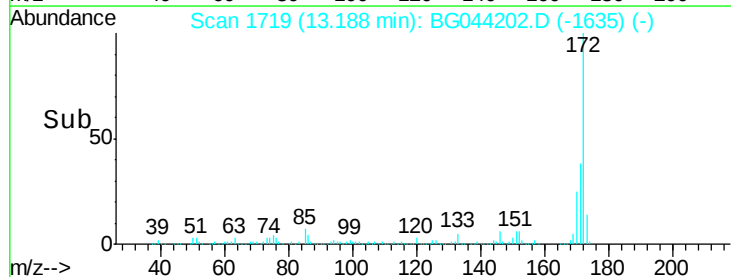
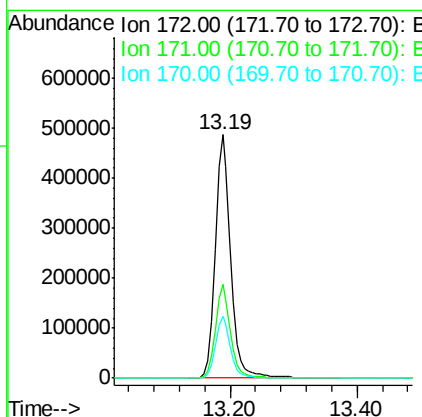
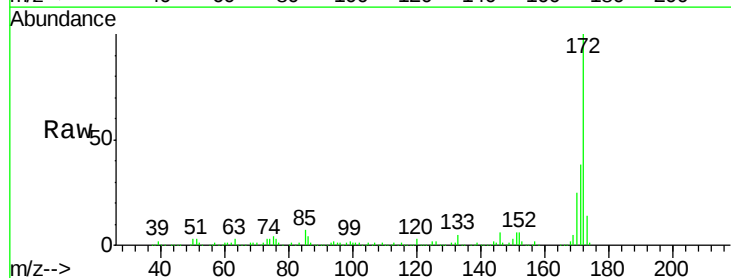
Instrument :
 BNA_G
 ClientSampleId :

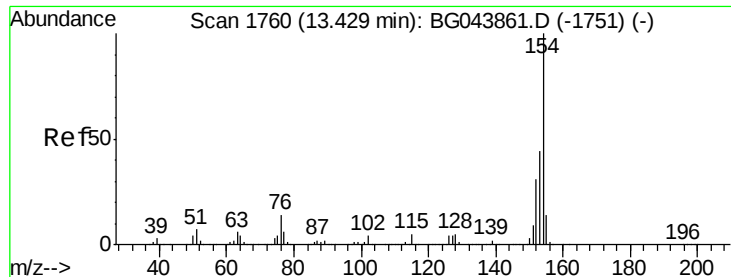
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.2	115.8
141	38.4	33.1	49.7



#45
 2-Fluorobiphenyl
 Concen: 66.642 ng
 RT: 13.19 min Scan# 1719
 Delta R.T. -0.04 min
 Lab File: BG044202.D
 Acq: 25 Jan 2020 5:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.3	35.8	53.8
170	25.3	24.2	36.4

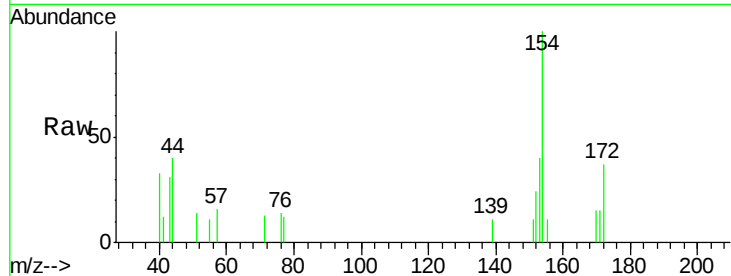




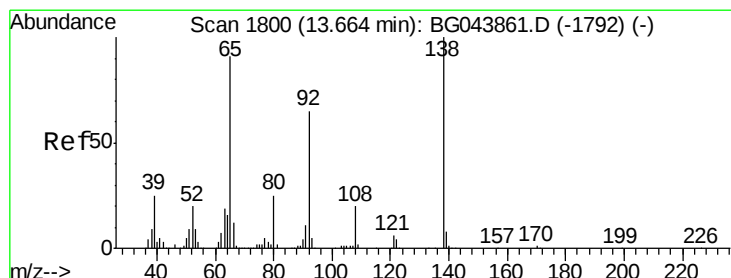
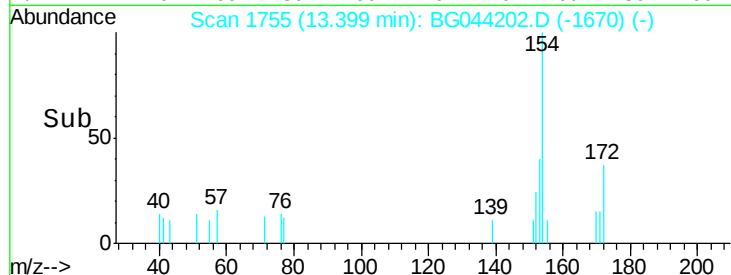
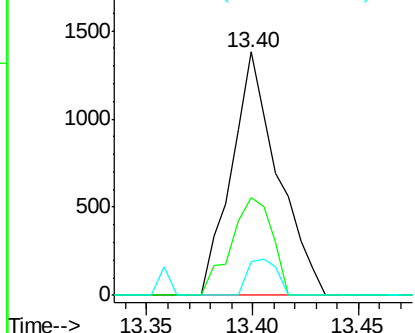
#46
 1,1'-Biphenyl
 Concen: 0.127 ng
 RT: 13.40 min Scan# 1755
 Delta R.T. -0.03 min
 Lab File: BG044202.D
 Acq: 25 Jan 2020 5:05

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:154 Resp: 2082
 Ion Ratio Lower Upper
 154 100
 153 40.0 23.6 63.6
 76 13.6 0.0 34.4

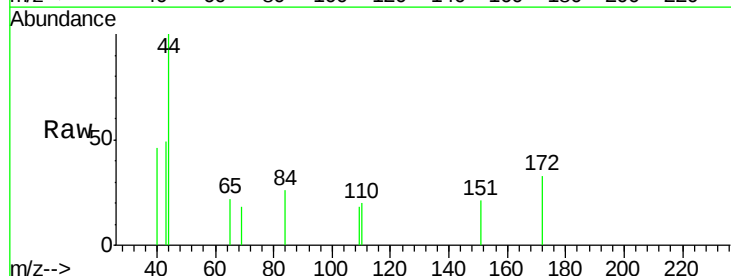


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BGC

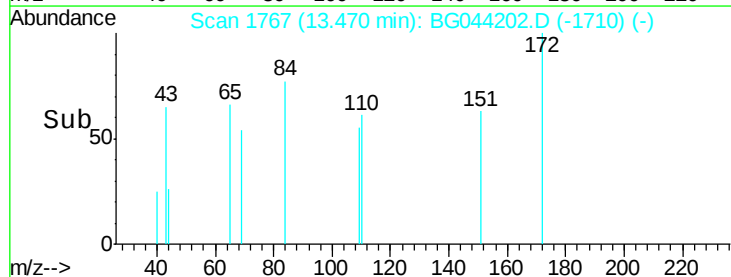
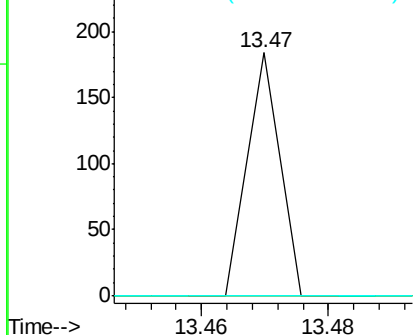


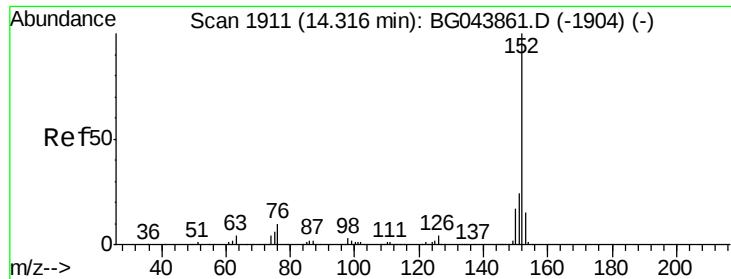
#48
 2-Nitroaniline
 Concen: 0.015 ng
 RT: 13.47 min Scan# 1767
 Delta R.T. -0.19 min
 Lab File: BG044202.D
 Acq: 25 Jan 2020 5:05

Tgt Ion: 65 Resp: 65
 Ion Ratio Lower Upper
 65 100
 92 0.0 57.4 86.2#
 138 0.0 88.2 132.4#



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): E





#49

Acenaphthylene

Concen: 0.020 ng

RT: 14.29 min Scan# 1907

Delta R.T. -0.02 min

Lab File: BG044202.D

Acq: 25 Jan 2020 5:05

Instrument :

BNA_G

ClientSampled :

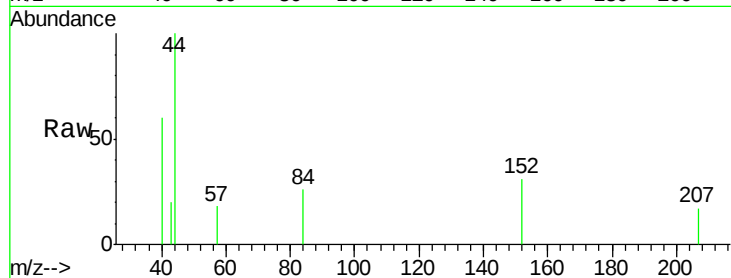
Tot Ion:152 Resp: 386

Ion Ratio Lower Upper

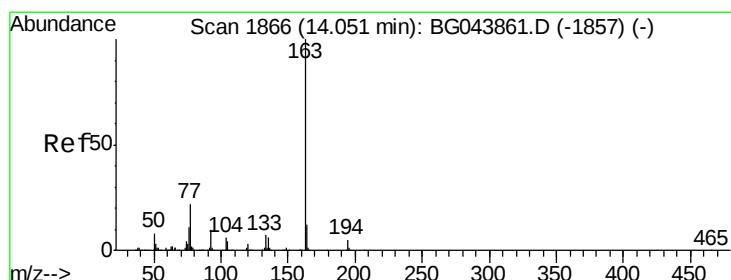
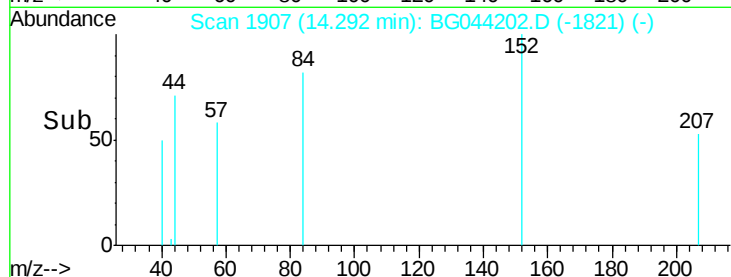
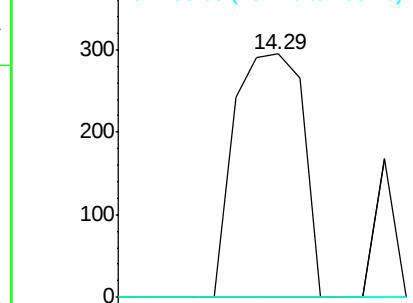
152 100

151 0.0 19.4 29.2#

153 0.0 12.0 18.0#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 8.195 ng

RT: 14.02 min Scan# 1860

Delta R.T. -0.04 min

Lab File: BG044202.D

Acq: 25 Jan 2020 5:05

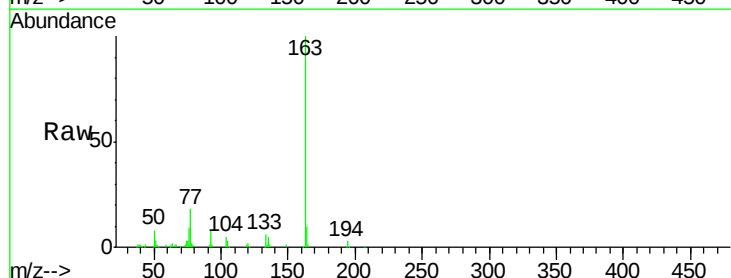
Tgt Ion:163 Resp: 133466

Ion Ratio Lower Upper

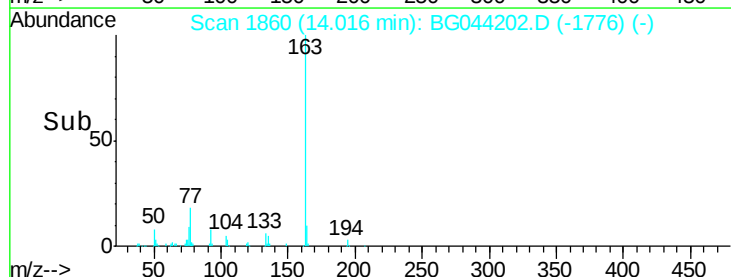
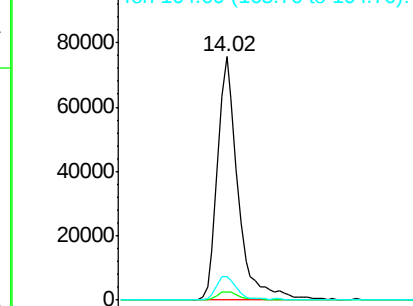
163 100

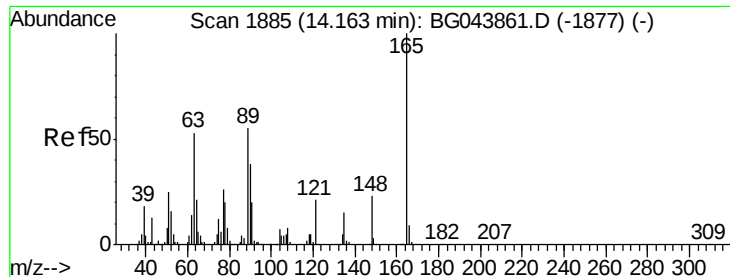
194 3.4 3.7 5.5#

164 9.8 9.3 13.9



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

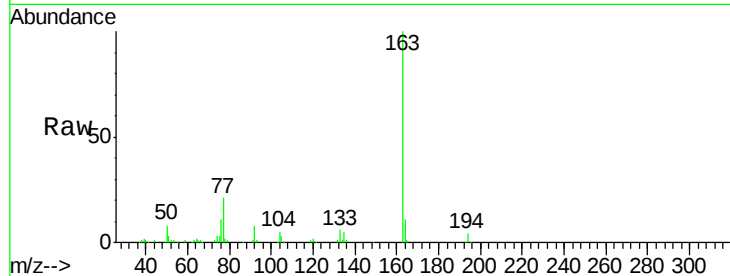




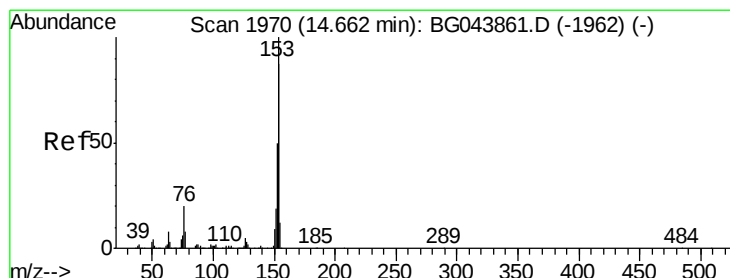
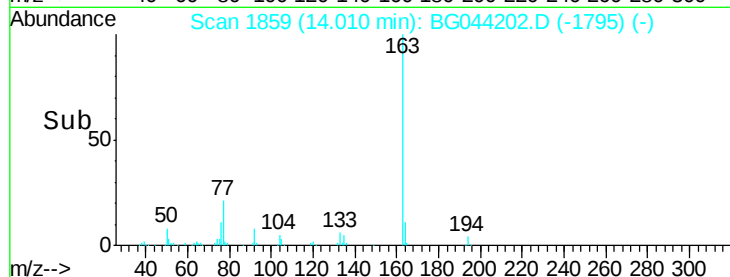
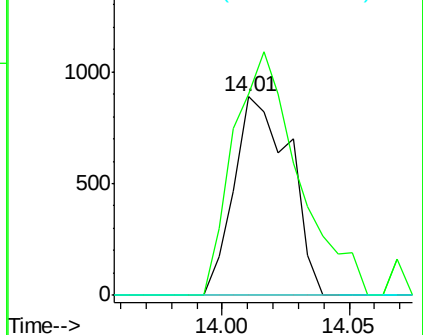
#51
2,6-Dinitrotoluene
Concen: 0.370 ng
RT: 14.01 min Scan# 1859
Delta R.T. -0.15 min
Lab File: BG044202.D
Acq: 25 Jan 2020 5:05

Instrument :
BNA_G
ClientSampled :

Tot Ion:165 Resp: 1363
Ion Ratio Lower Upper
165 100
63 101.5 43.1 64.7#
89 0.0 43.8 65.6#

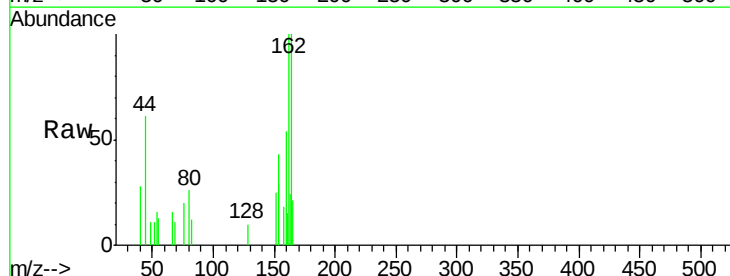


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

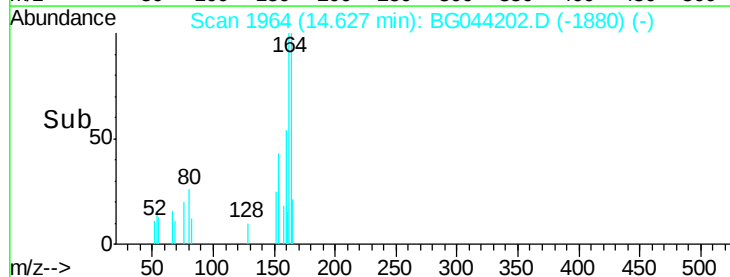
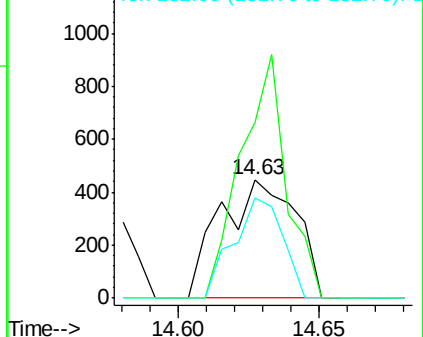


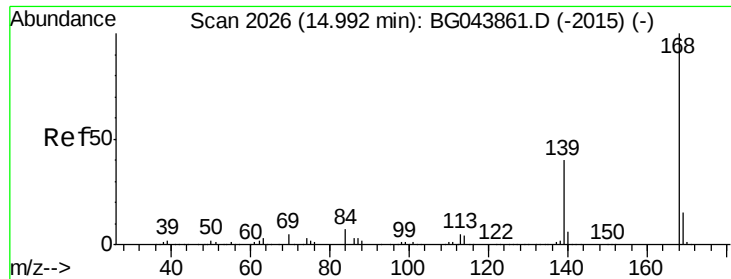
#52
Acenaphthene
Concen: 0.062 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.04 min
Lab File: BG044202.D
Acq: 25 Jan 2020 5:05

Tgt Ion:154 Resp: 828
Ion Ratio Lower Upper
154 100
153 148.4 91.6 137.4#
152 84.8 45.4 68.0#



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





#55

Dibenzo(f,h)quinoxaline

Concen: 0.008 ng

RT: 14.97 min Scan# 2022

Delta R.T. -0.02 min

Lab File: BG044202.D

Acq: 25 Jan 2020 5:05

Instrument :

BNA_G

ClientSampleId :

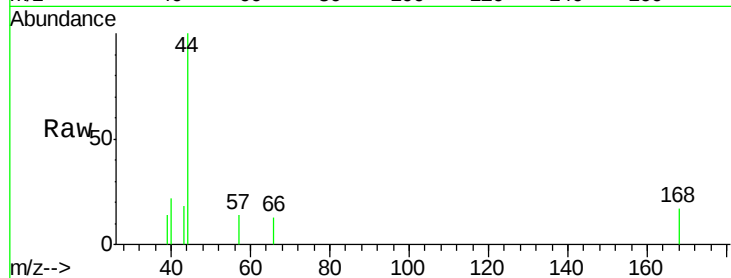
Tot Ion:168 Resp: 151

Ion Ratio Lower Upper

168 100

139 0.0 32.2 48.2#

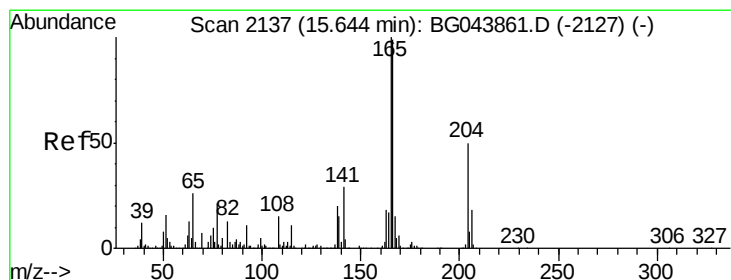
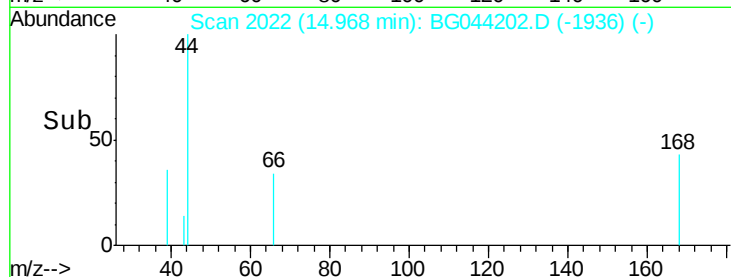
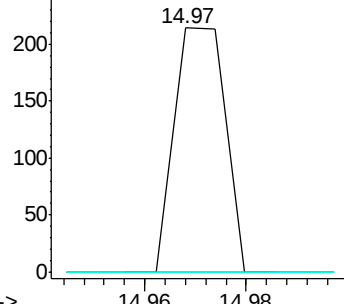
169 0.0 12.2 18.2#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#58

Fluorene

Concen: 0.029 ng

RT: 15.62 min Scan# 2133

Delta R.T. -0.02 min

Lab File: BG044202.D

Acq: 25 Jan 2020 5:05

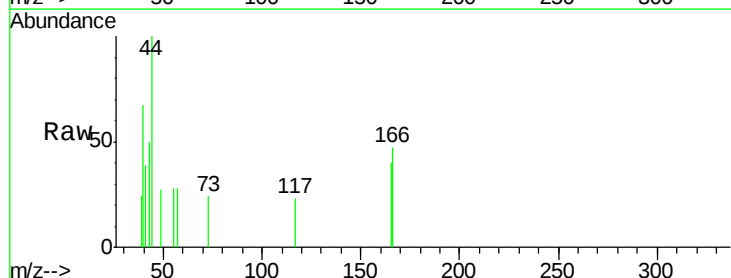
Tgt Ion:166 Resp: 429

Ion Ratio Lower Upper

166 100

165 84.0 80.8 121.2

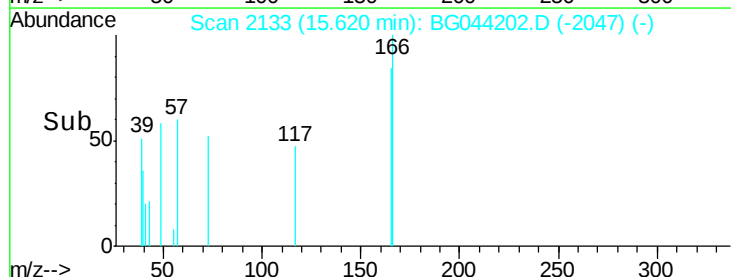
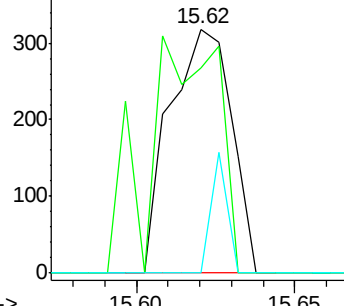
167 0.0 12.1 18.1#

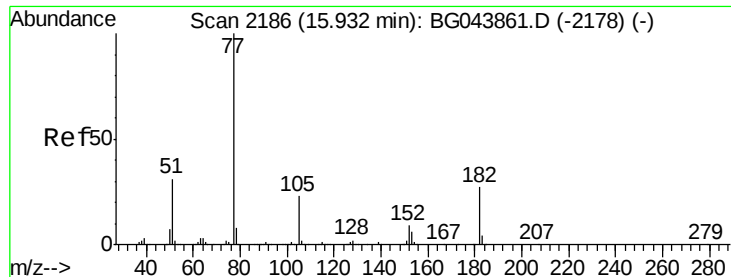


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Azobenzene

Concen: 0.006 ng

RT: 15.84 min Scan# 2171

Delta R.T. -0.09 min

Lab File: BG044202.D

Acq: 25 Jan 2020 5:05

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 77 Resp: 94

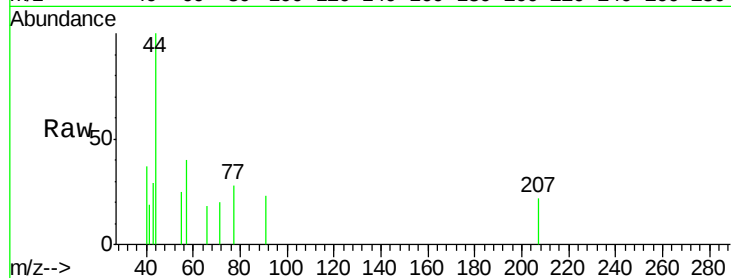
Ion Ratio Lower Upper

77 100

182 0.0 7.3 47.3#

105 0.0 3.2 43.2#

51 0.0 10.6 50.6#

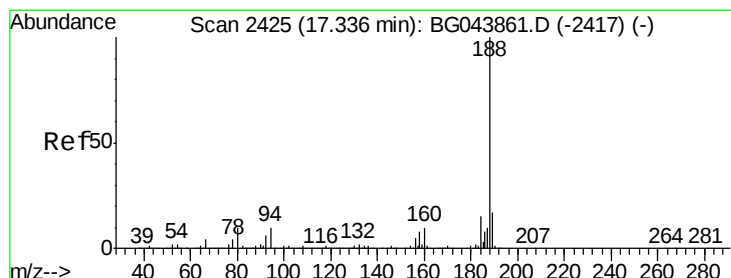
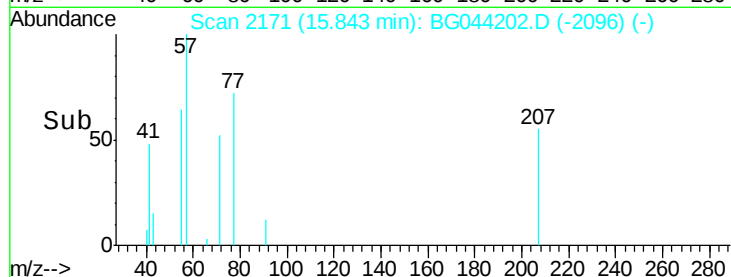
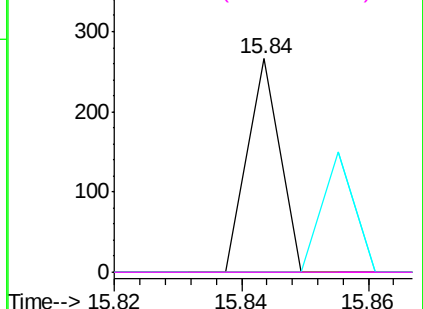


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.31 min Scan# 2420

Delta R.T. -0.03 min

Lab File: BG044202.D

Acq: 25 Jan 2020 5:05

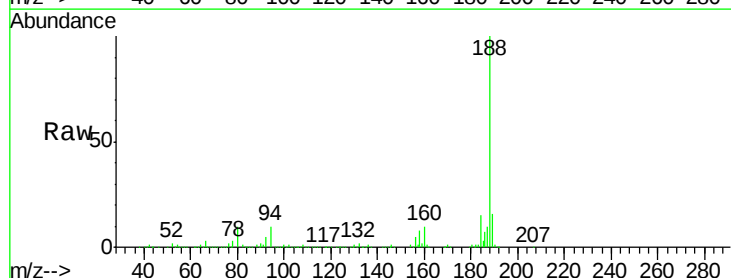
Tgt Ion: 188 Resp: 459166

Ion Ratio Lower Upper

188 100

94 9.6 7.9 11.9

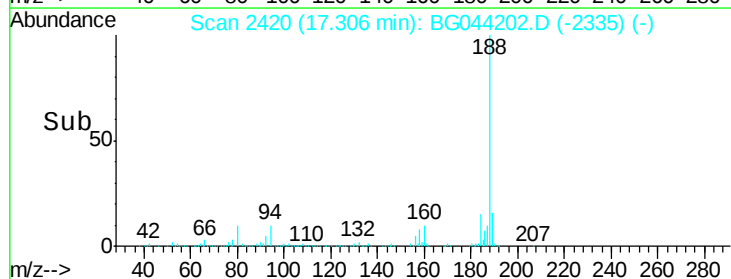
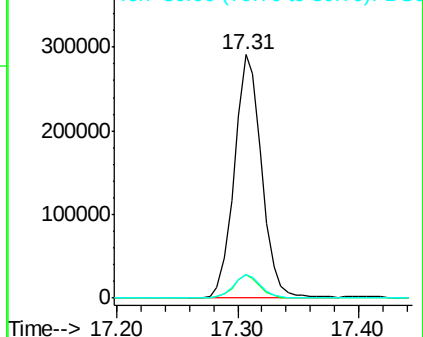
80 9.5 8.2 12.4

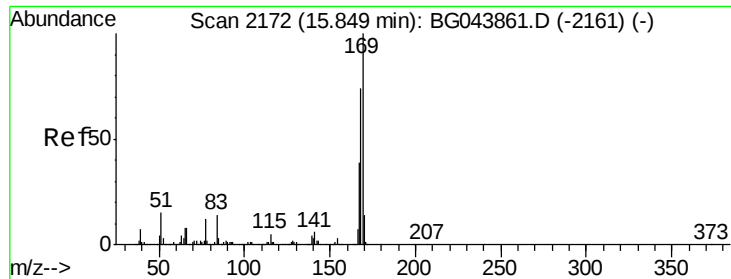


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

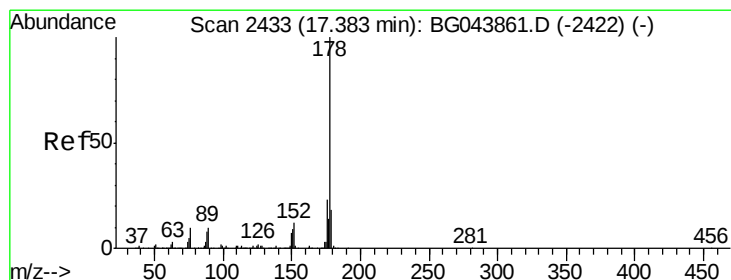
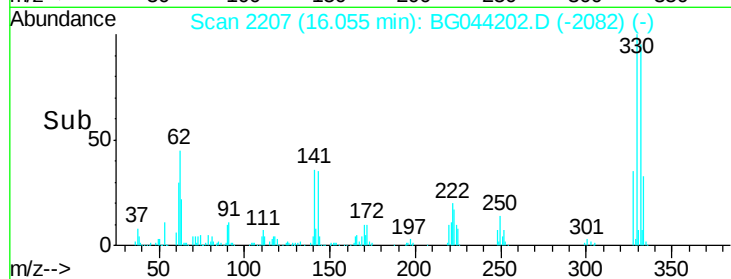
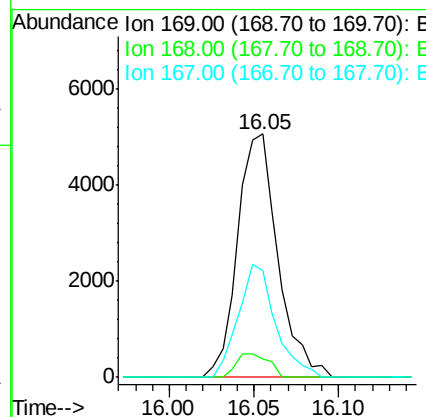
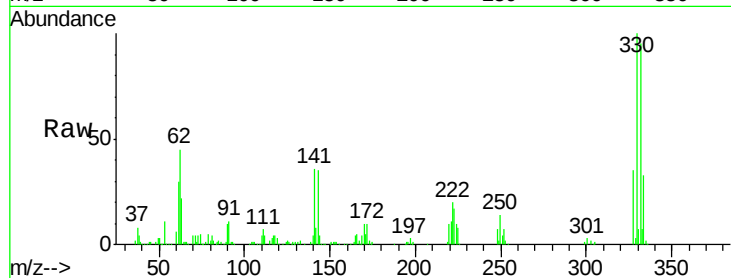




#66
 n-Nitrosodiphenylamine
 Concen: 0.624 ng
 RT: 16.05 min Scan# 2207
 Delta R.T. 0.21 min
 Lab File: BG044202.D
 Acq: 25 Jan 2020 5:05

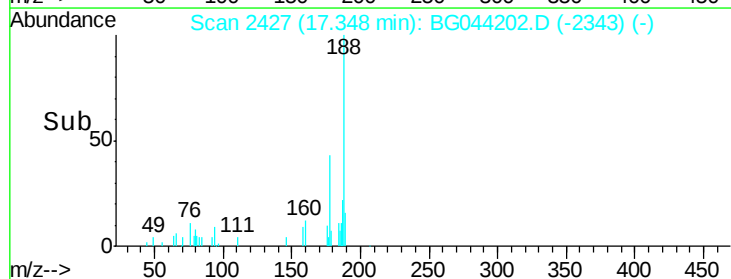
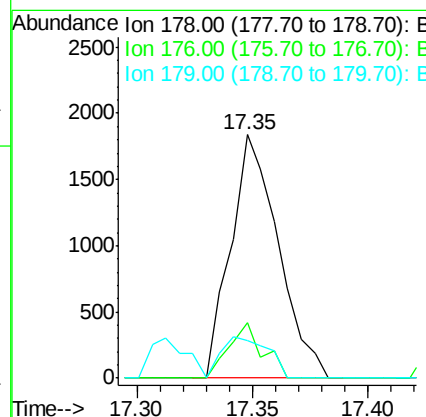
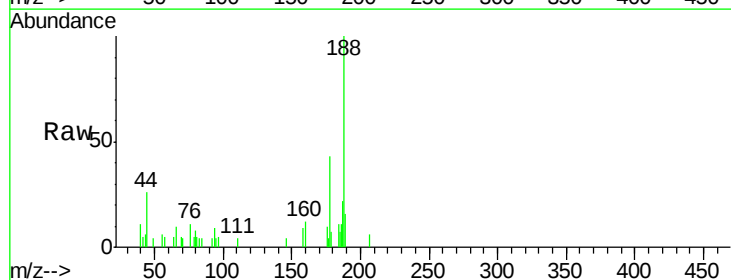
Instrument :
 BNA_G
 ClientSampleId :

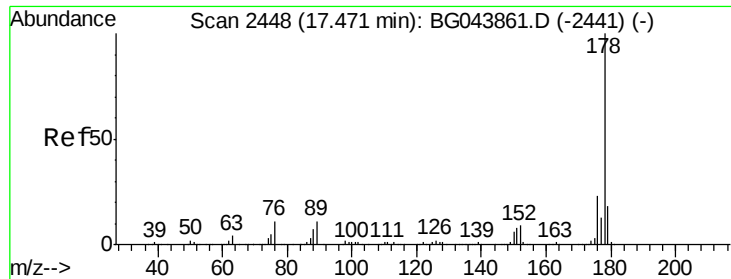
Tot Ion:169 Resp: 8432
 Ion Ratio Lower Upper
 169 100
 168 7.6 59.0 88.6#
 167 44.0 31.4 47.0



#71
 Phenanthrene
 Concen: 0.120 ng
 RT: 17.35 min Scan# 2427
 Delta R.T. -0.04 min
 Lab File: BG044202.D
 Acq: 25 Jan 2020 5:05

Tgt Ion:178 Resp: 2632
 Ion Ratio Lower Upper
 178 100
 176 22.9 18.6 28.0
 179 15.5 14.4 21.6

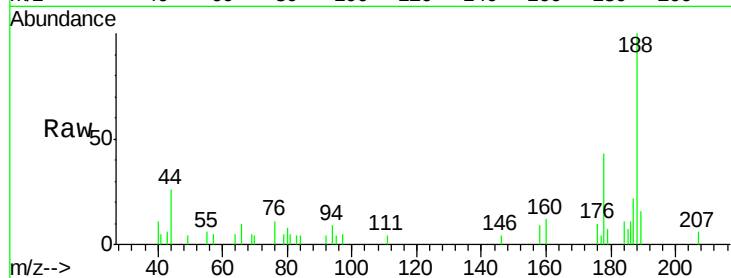




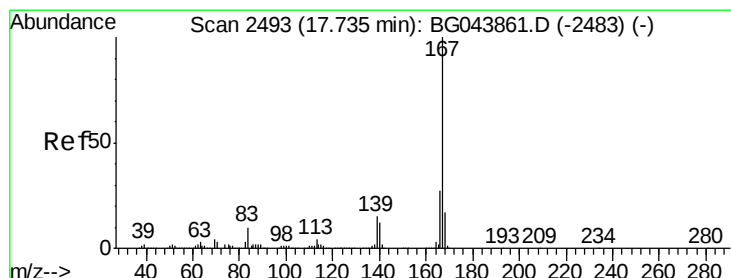
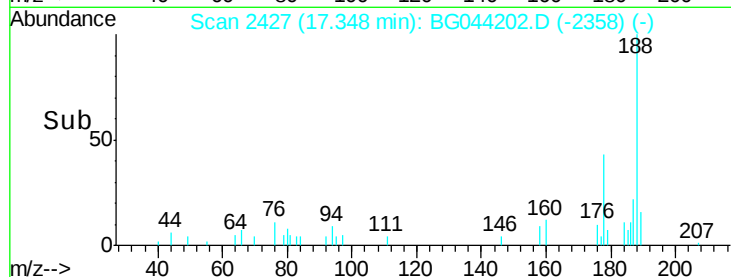
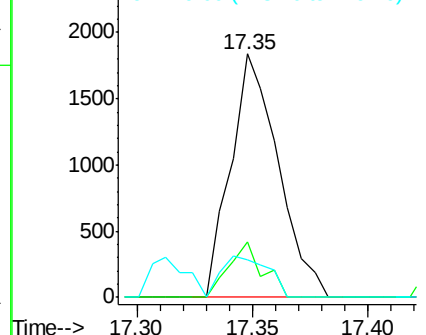
#72
 Anthracene
 Concen: 0.121 ng
 RT: 17.35 min Scan# 2427
 Delta R.T. -0.12 min
 Lab File: BG044202.D
 Acq: 25 Jan 2020 5:05

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:178 Resp: 2632
 Ion Ratio Lower Upper
 178 100
 176 22.9 18.3 27.5
 179 15.5 14.6 22.0

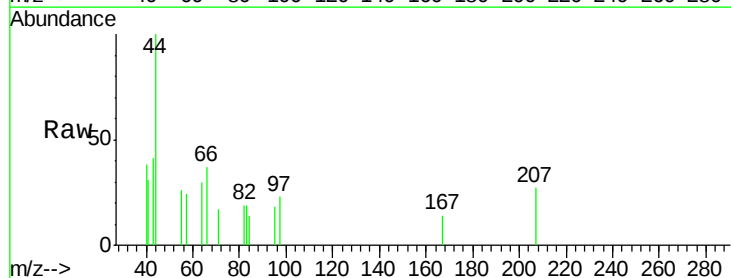


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

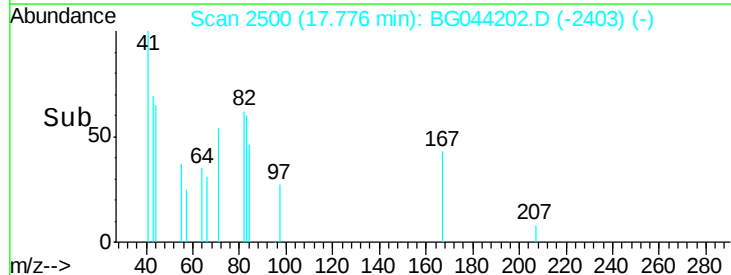
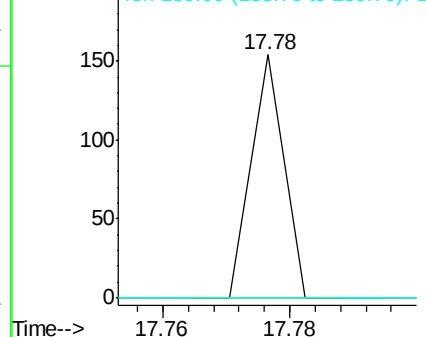


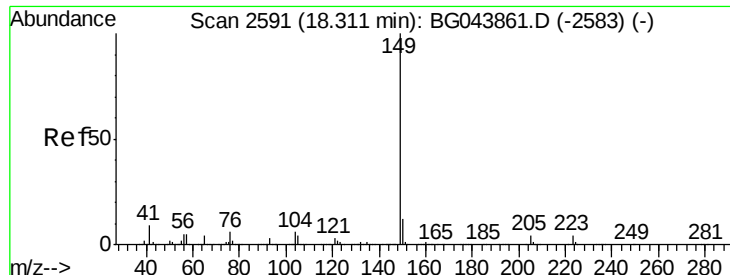
#73
 Carbazole
 Concen: 0.003 ng
 RT: 17.78 min Scan# 2500
 Delta R.T. 0.04 min
 Lab File: BG044202.D
 Acq: 25 Jan 2020 5:05

Tgt Ion:167 Resp: 54
 Ion Ratio Lower Upper
 167 100
 166 0.0 21.6 32.4#
 139 0.0 12.1 18.1#



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





#74

Di-n-butylphthalate

Concen: 0.031 ng

RT: 18.28 min Scan# 2585

Delta R.T. -0.04 min

Lab File: BG044202.D

Acq: 25 Jan 2020 5:05

Instrument :

BNA_G

ClientSampleId :

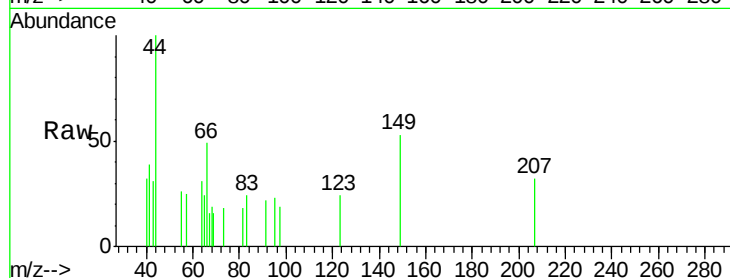
Tot Ion:149 Resp: 797

Ion Ratio Lower Upper

149 100

150 0.0 9.7 14.5#

104 0.0 5.0 7.4#



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

18.28

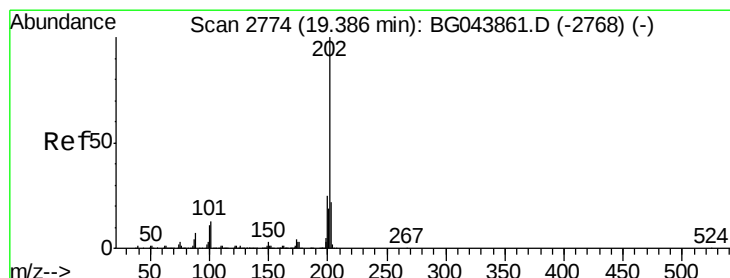
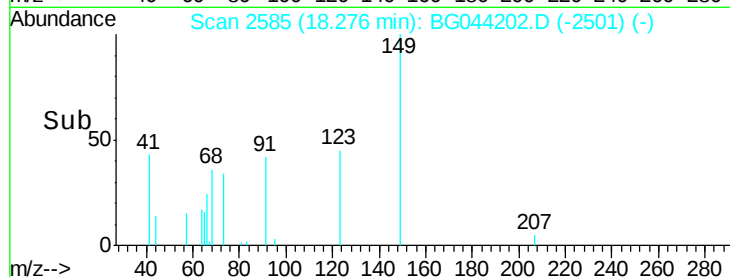
400

200

0

18.25 18.30

Time-->



#75

Fluoranthene

Concen: 0.308 ng

RT: 19.36 min Scan# 2769

Delta R.T. -0.03 min

Lab File: BG044202.D

Acq: 25 Jan 2020 5:05

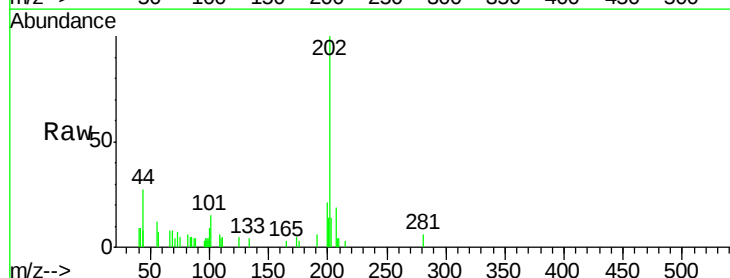
Tgt Ion:202 Resp: 7756

Ion Ratio Lower Upper

202 100

101 14.6 0.0 33.3

203 14.4 1.6 41.6



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

19.36

6000

5000

4000

3000

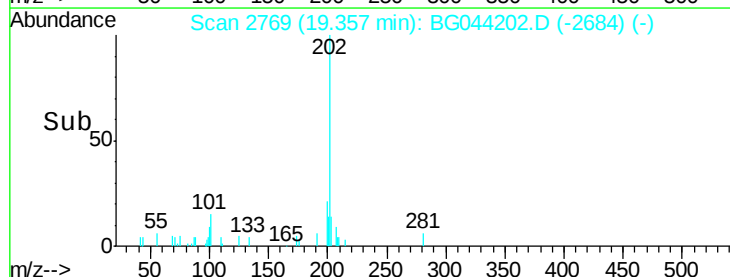
2000

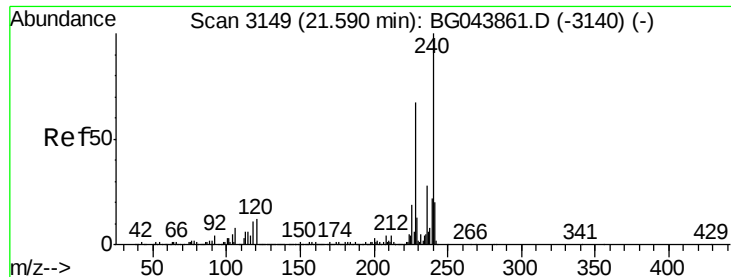
1000

0

19.30 19.35 19.40

Time-->





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.55 min Scan# 3143

Delta R.T. -0.04 min

Lab File: BG044202.D

Acq: 25 Jan 2020 5:05

Instrument :

BNA_G

ClientSampleId :

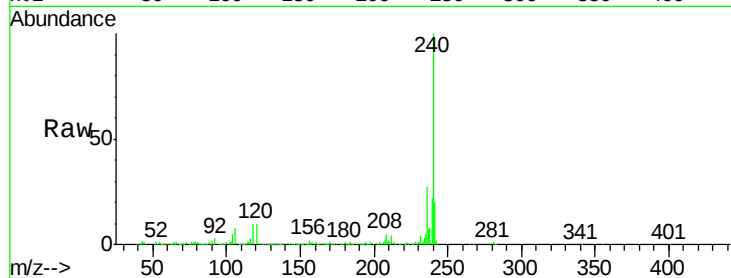
Tot Ion:240 Resp: 395445

Ion Ratio Lower Upper

240 100

120 10.5 9.6 14.4

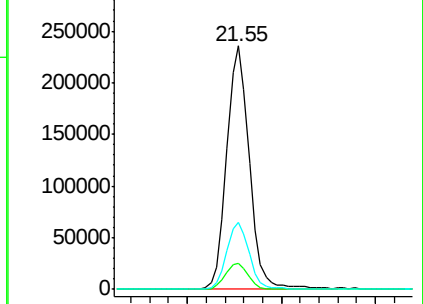
236 27.3 22.2 33.2



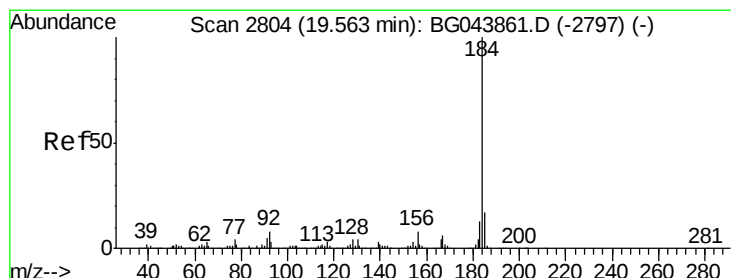
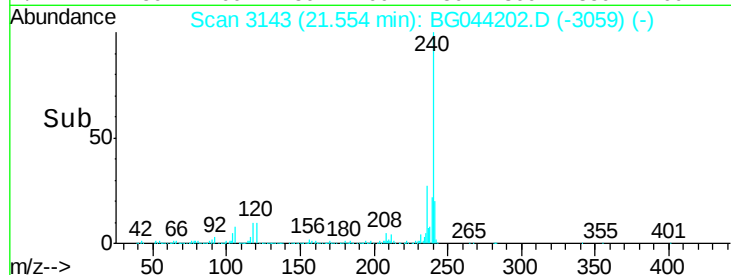
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#77

Benzidine

Concen: 1.726 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.36 min

Lab File: BG044202.D

Acq: 25 Jan 2020 5:05

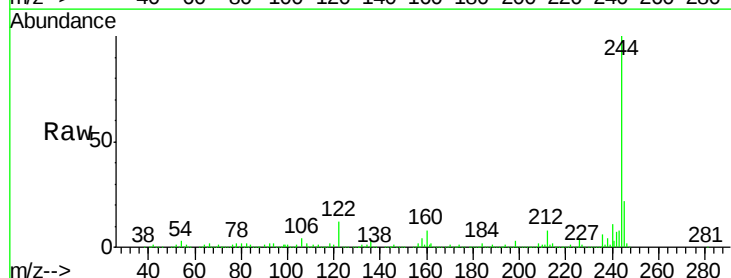
Tgt Ion:184 Resp: 17161

Ion Ratio Lower Upper

184 100

185 16.7 13.4 20.0

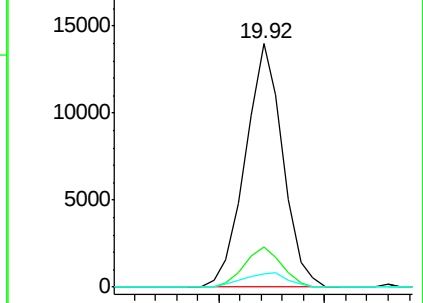
183 5.4 10.6 15.8#



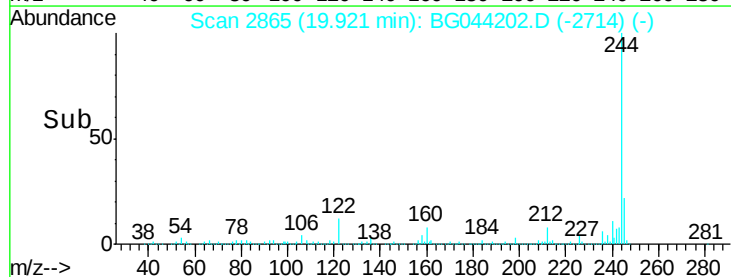
Abundance Ion 184.00 (183.70 to 184.70): E

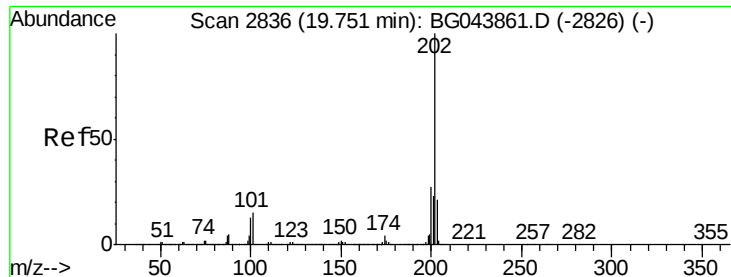
Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time-->

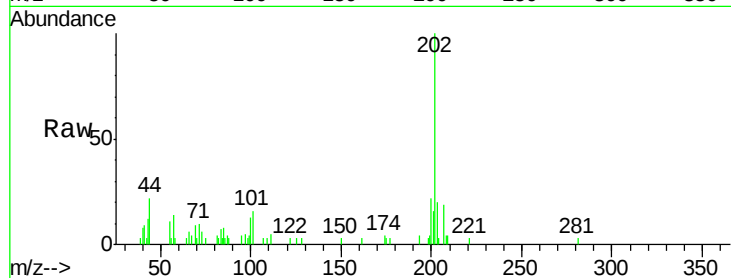




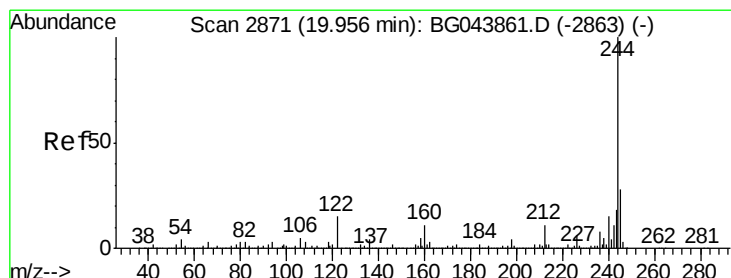
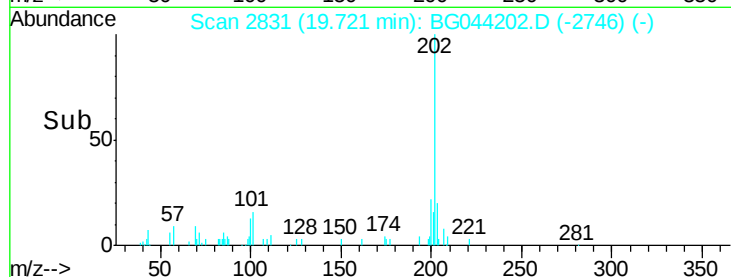
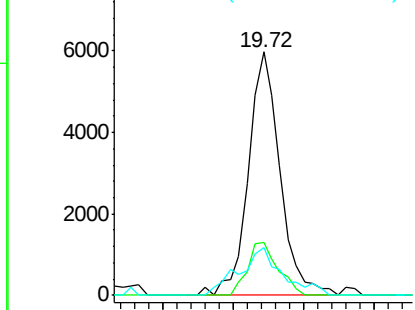
#78
Pvrene
Concen: 0.364 ng
RT: 19.72 min Scan# 2831
Delta R.T. -0.03 min
Lab File: BG044202.D
Acq: 25 Jan 2020 5:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.8	21.7	32.5
203	19.9	17.0	25.6

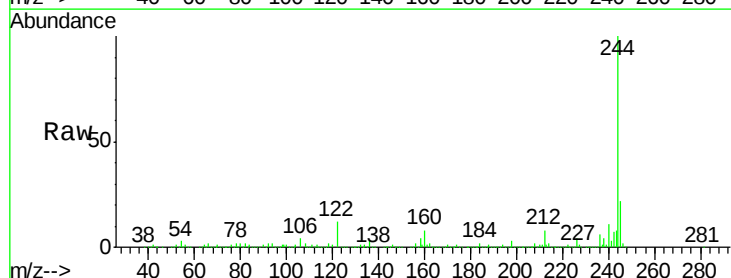


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

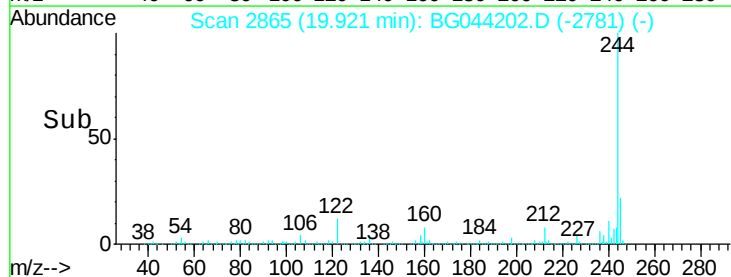
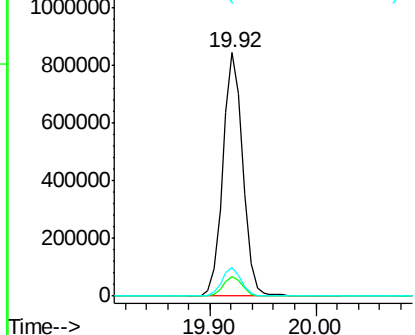


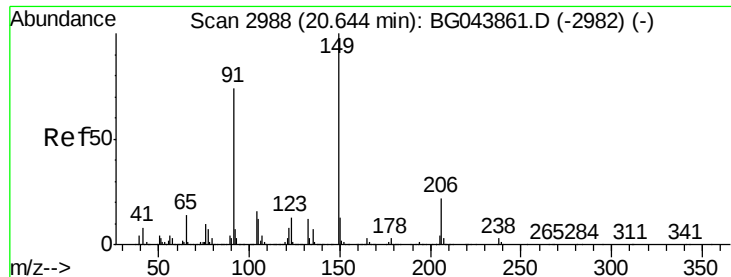
#79
Terphenyl-d14
Concen: 62.261 ng
RT: 19.92 min Scan# 2865
Delta R.T. -0.03 min
Lab File: BG044202.D
Acq: 25 Jan 2020 5:05

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.1	8.6	13.0#
122	11.6	11.9	17.9#



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

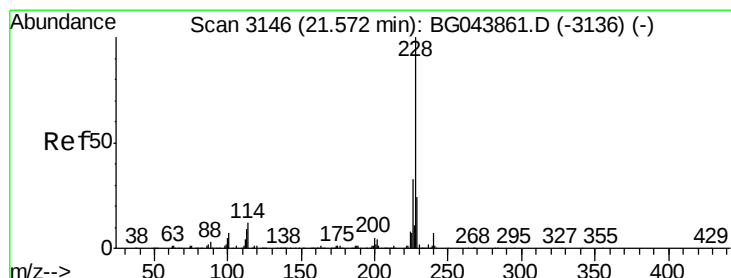
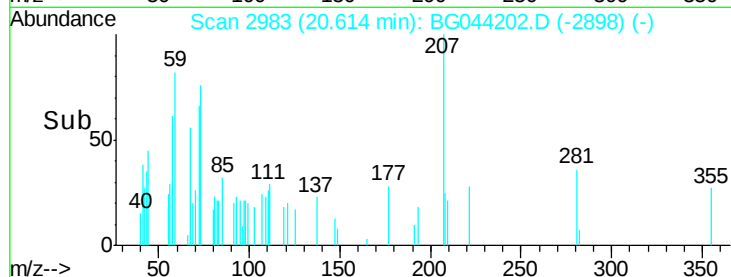
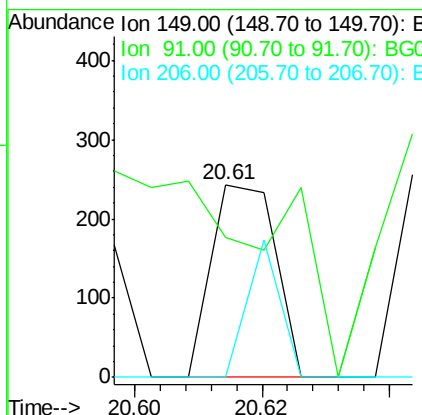
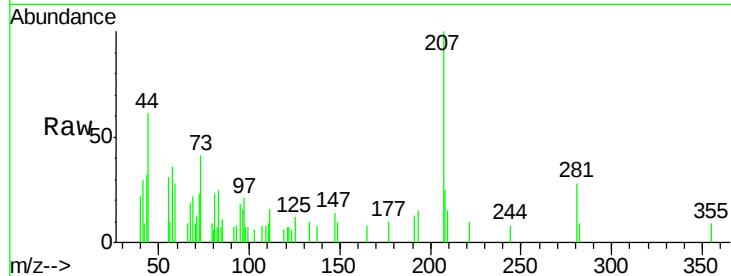




#80
 Butylbenzylphthalate
 Concen: 0.014 ng
 RT: 20.61 min Scan# 2983
 Delta R.T. -0.03 min
 Lab File: BG044202.D
 Acq: 25 Jan 2020 5:05

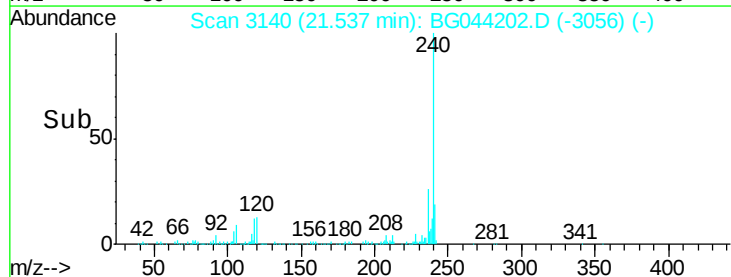
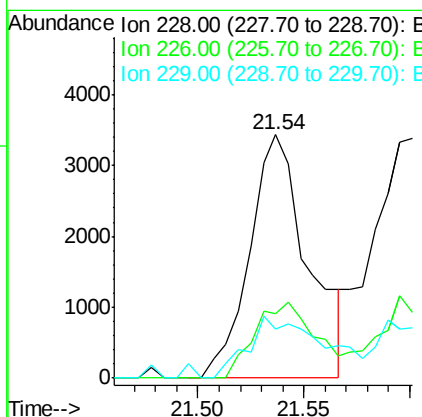
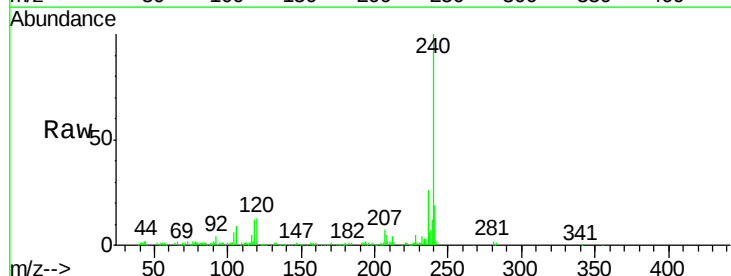
Instrument :
 BNA_G
 ClientSampleId :

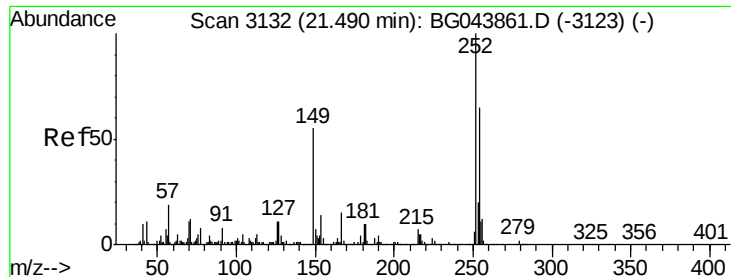
Tot Ion:	149	Resp:	168
Ion	Ratio	Lower	Upper
149	100		
91	72.8	59.5	89.3
206	0.0	17.8	26.6#



#81
 Benzo(a)anthracene
 Concen: 0.268 ng
 RT: 21.54 min Scan# 3140
 Delta R.T. -0.04 min
 Lab File: BG044202.D
 Acq: 25 Jan 2020 5:05

Tgt Ion:	228	Resp:	6583
Ion	Ratio	Lower	Upper
228	100		
226	26.3	26.2	39.4
229	20.1	18.9	28.3

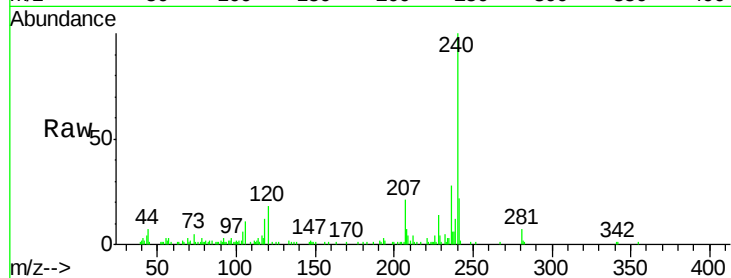




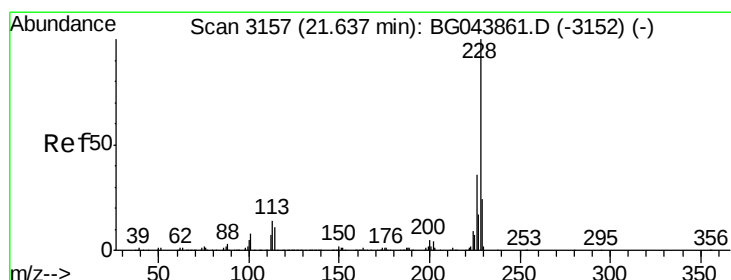
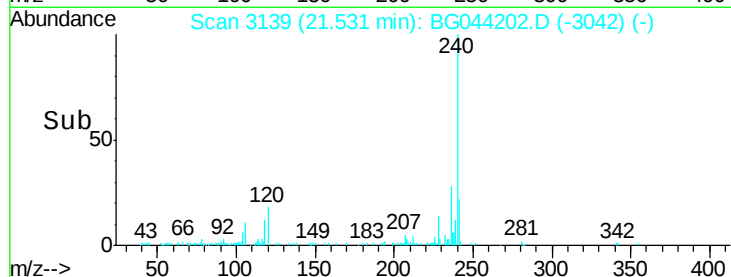
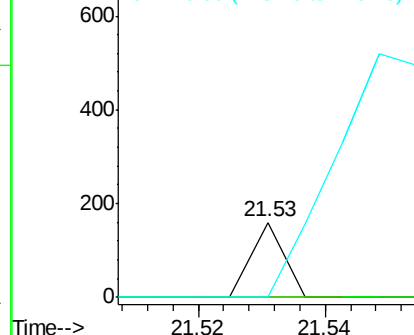
#82
 3,3'-Dichlorobenzidine
 Concen: 0.006 ng
 RT: 21.53 min Scan# 3139
 Delta R.T. 0.04 min
 Lab File: BG044202.D
 Acq: 25 Jan 2020 5:05

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:252 Resp: 56
 Ion Ratio Lower Upper
 252 100
 254 0.0 52.1 78.1#
 126 0.0 9.1 13.7#

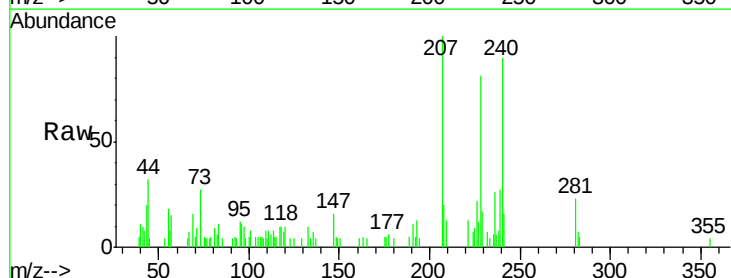


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

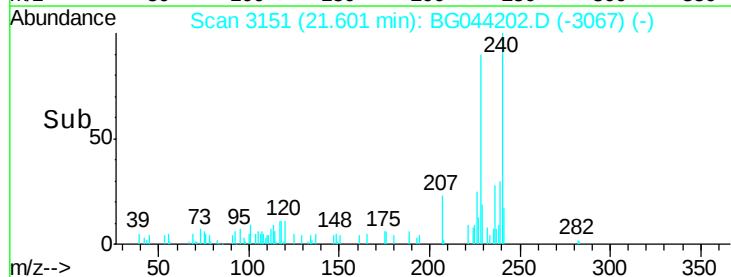
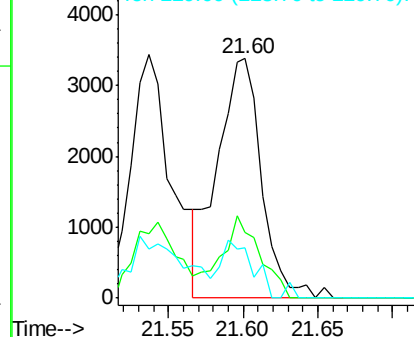


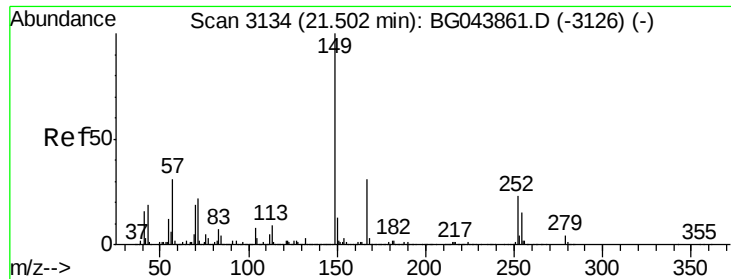
#83
 Chrysene
 Concen: 0.302 ng
 RT: 21.60 min Scan# 3151
 Delta R.T. -0.04 min
 Lab File: BG044202.D
 Acq: 25 Jan 2020 5:05

Tgt Ion:228 Resp: 7043
 Ion Ratio Lower Upper
 228 100
 226 27.4 28.8 43.2#
 229 21.2 19.0 28.6



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

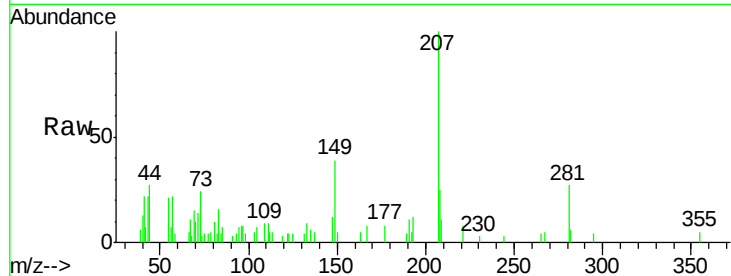




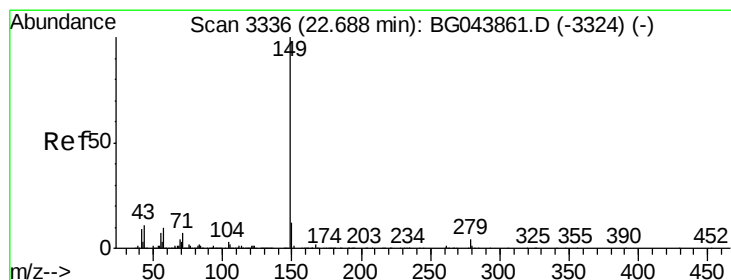
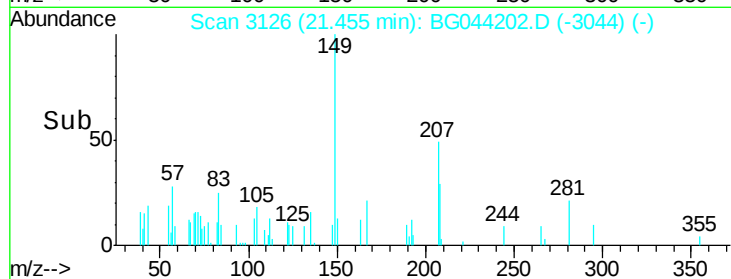
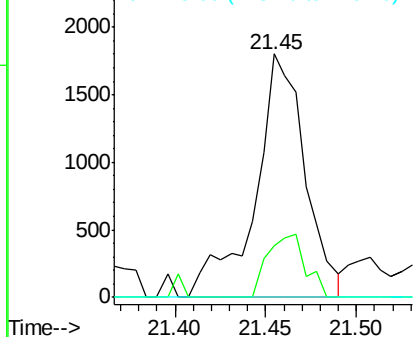
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 0.204 ng
 RT: 21.45 min Scan# 3126
 Delta R.T. -0.05 min
 Lab File: BG044202.D
 Acq: 25 Jan 2020 5:05

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:149 Resp: 3459
 Ion Ratio Lower Upper
 149 100
 167 21.0 24.7 37.1#
 279 0.0 3.3 4.9#

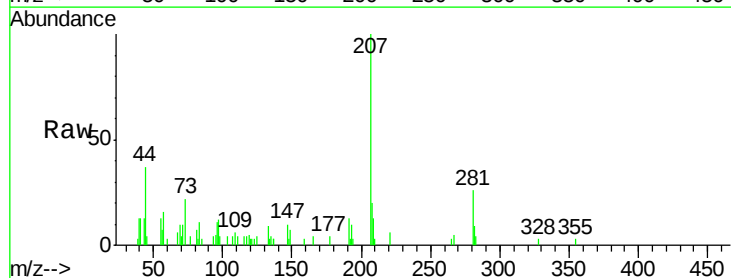


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

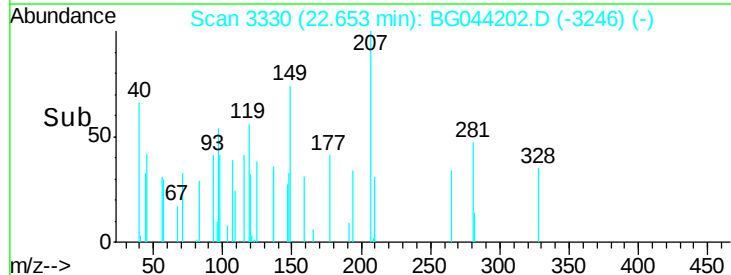
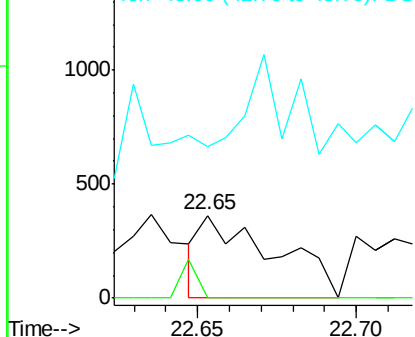


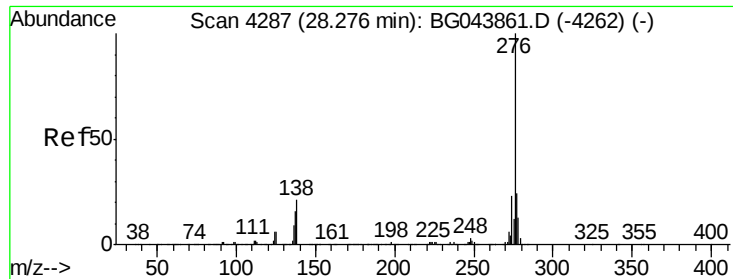
#85
 Di-n-octyl phthalate
 Concen: 0.020 ng
 RT: 22.65 min Scan# 3330
 Delta R.T. -0.04 min
 Lab File: BG044202.D
 Acq: 25 Jan 2020 5:05

Tgt Ion:149 Resp: 584
 Ion Ratio Lower Upper
 149 100
 167 10.3 1.4 2.0#
 43 0.0 8.8 13.2#



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): BG





#86

Indeno(1,2,3-cd)pyrene

Concen: 0.043 ng

RT: 28.20 min Scan# 4274

Delta R.T. -0.08 min

Lab File: BG044202.D

Acq: 25 Jan 2020 5:05

Instrument :

BNA_G

ClientSampleId :

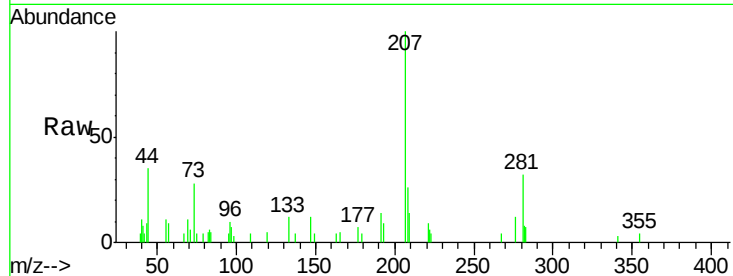
Tot Ion:276 Resp: 1372

Ion Ratio Lower Upper

276 100

138 0.0 21.0 31.4#

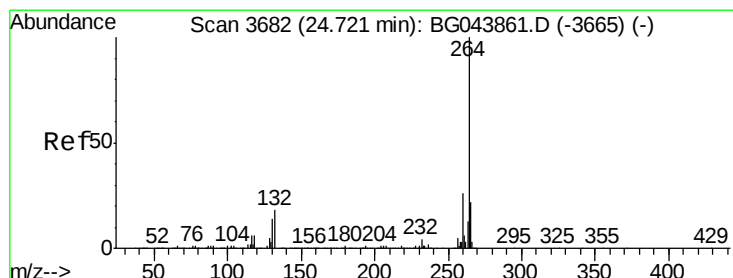
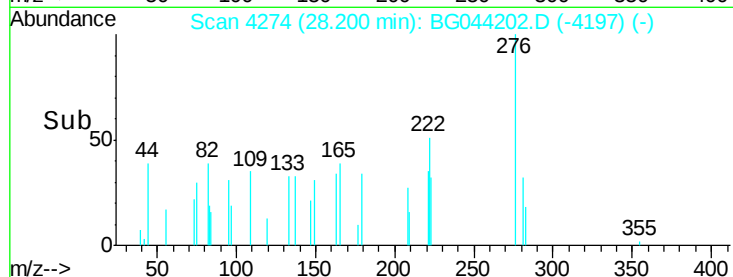
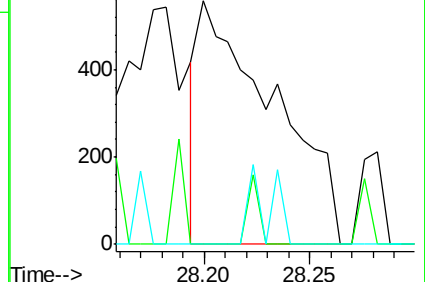
277 0.0 21.1 31.7#



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

Perylene-d12

Concen: 20.000 ng

RT: 24.66 min Scan# 3671

Delta R.T. -0.06 min

Lab File: BG044202.D

Acq: 25 Jan 2020 5:05

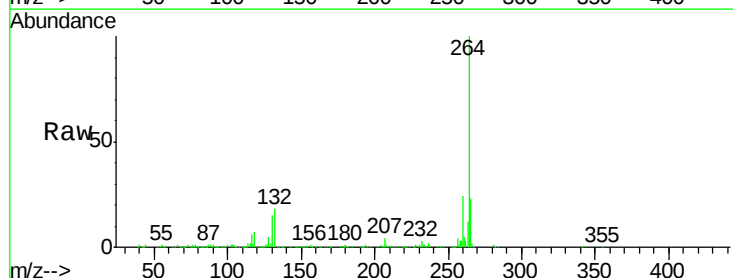
Tgt Ion:264 Resp: 440262

Ion Ratio Lower Upper

264 100

260 24.1 20.4 30.6

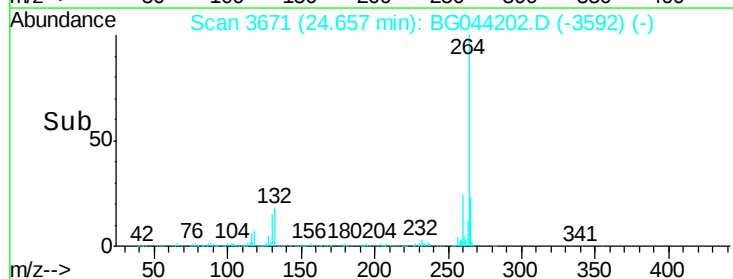
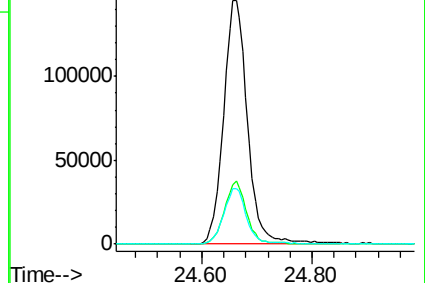
265 22.6 17.4 26.2

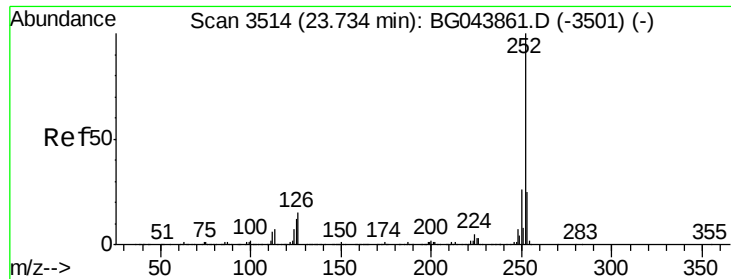


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

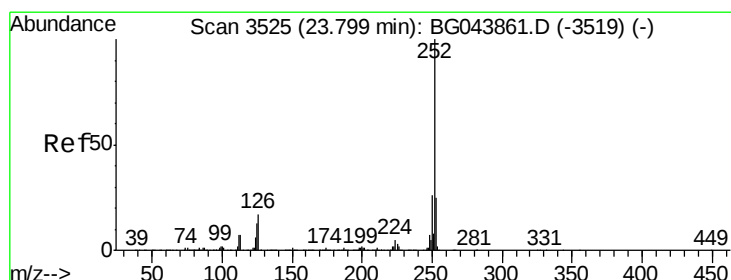
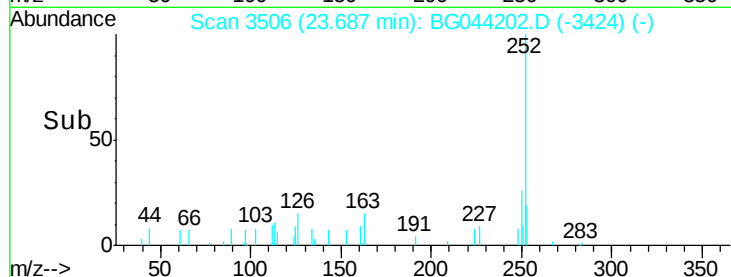
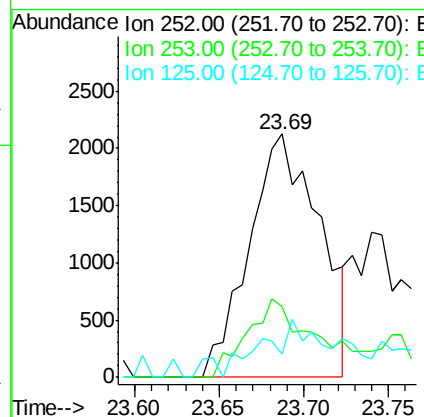
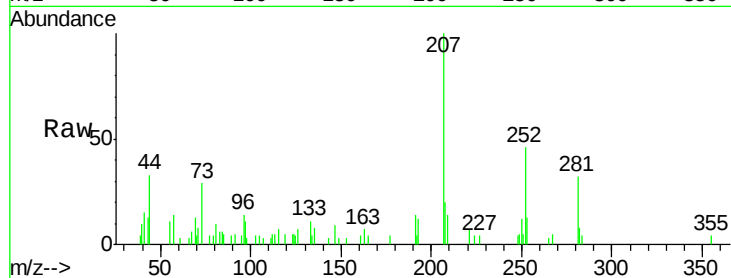




#88
Benzo(b)fluoranthene
Concen: 0.236 ng
RT: 23.69 min Scan# 3506
Delta R.T. -0.05 min
Lab File: BG044202.D
Acq: 25 Jan 2020 5:05

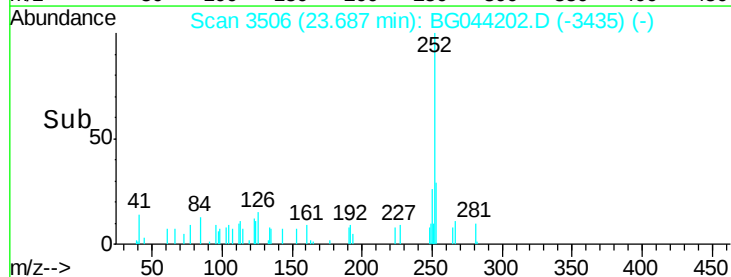
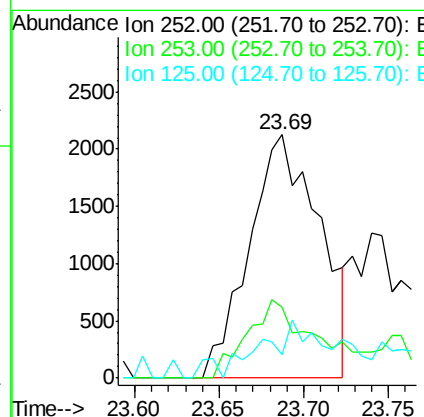
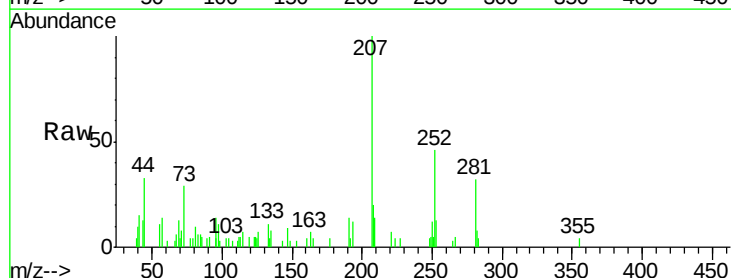
Instrument :
BNA_G
ClientSampleId :

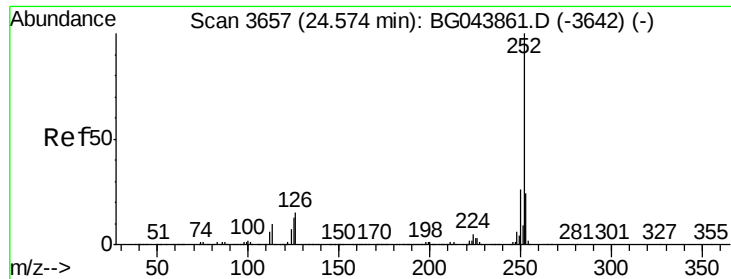
Tot Ion:252 Resp: 6155
Ion Ratio Lower Upper
252 100
253 29.2 19.7 29.5
125 9.4 9.4 14.2#



#89
Benzo(k)fluoranthene
Concen: 0.249 ng
RT: 23.69 min Scan# 3506
Delta R.T. -0.11 min
Lab File: BG044202.D
Acq: 25 Jan 2020 5:05

Tgt Ion:252 Resp: 6155
Ion Ratio Lower Upper
252 100
253 29.2 19.4 29.2#
125 9.4 9.9 14.9#

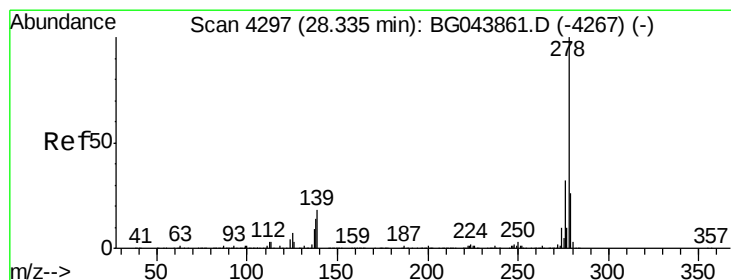
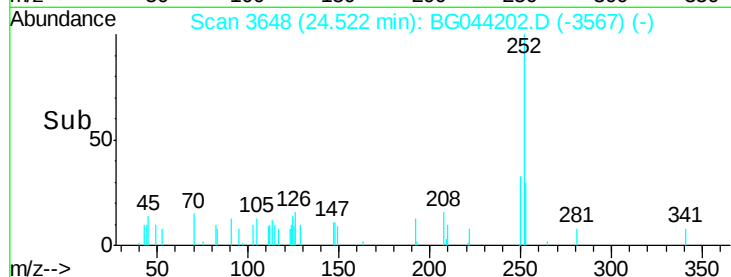
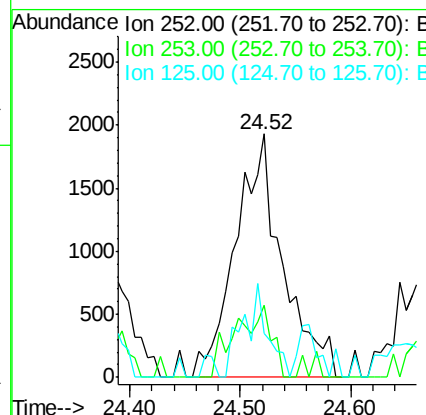
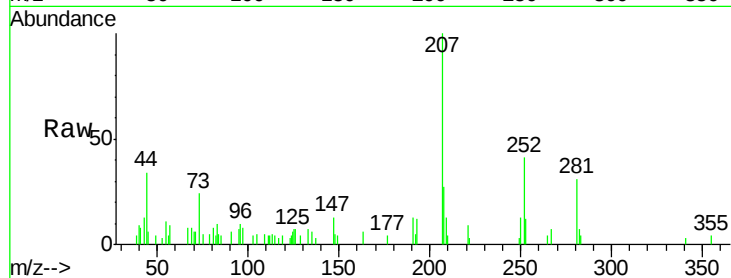




#90
Benzo(a)pyrene
Concen: 0.235 ng
RT: 24.52 min Scan# 3648
Delta R.T. -0.05 min
Lab File: BG044202.D
Acq: 25 Jan 2020 5:05

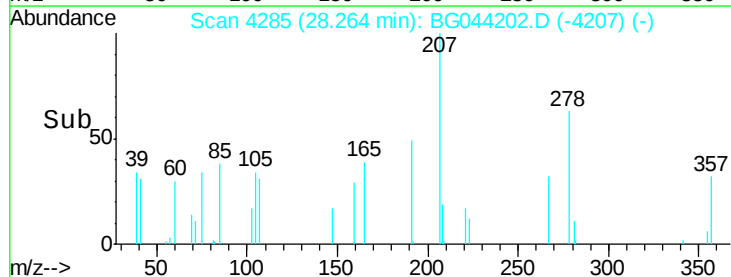
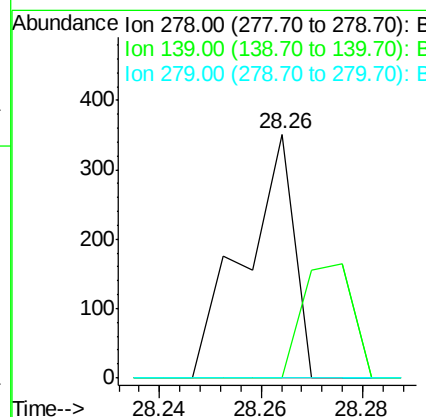
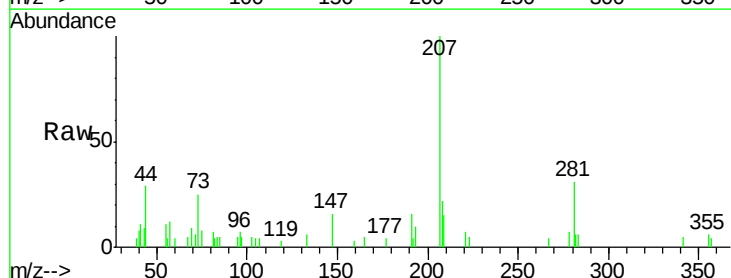
Instrument :
BNA_G
ClientSampled :

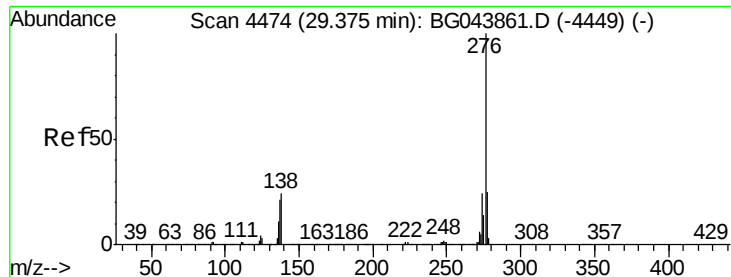
Tot Ion:252 Resp: 5764
Ion Ratio Lower Upper
252 100
253 29.7 19.3 28.9#
125 17.8 10.4 15.6#



#91
Dibenzo(a,h)anthracene
Concen: 0.010 ng
RT: 28.26 min Scan# 4285
Delta R.T. -0.07 min
Lab File: BG044202.D
Acq: 25 Jan 2020 5:05

Tgt Ion:278 Resp: 240
Ion Ratio Lower Upper
278 100
139 0.0 14.2 21.4#
279 0.0 20.6 30.8#

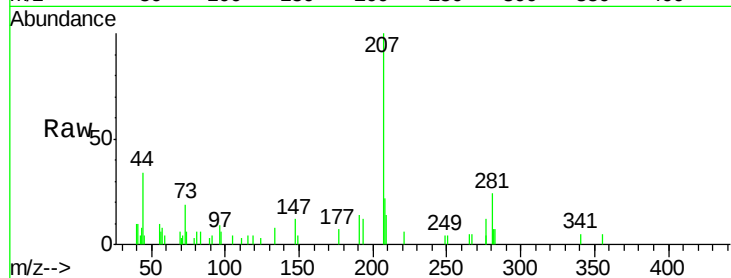




#92
 Benzo(a,h,i)perylene
 Concen: 0.052 ng
 RT: 29.30 min Scan# 4461
 Delta R.T. -0.08 min
 Lab File: BG044202.D
 Acq: 25 Jan 2020 5:05

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	33.9	20.2	30.4#
138	0.0	19.0	28.6#



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

