

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021220\
 Data File : BG044418.D
 Acq On : 12 Feb 2020 21:06
 Operator : CG/JU
 Sample : L1491-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 13 01:07:47 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 10 16:11:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	91151	20.00	ng	0.00
21) Naphthalene-d8	10.70	136	360032	20.00	ng	0.00
39) Acenaphthene-d10	14.54	164	226205	20.00	ng	0.00
64) Phenanthrene-d10	17.28	188	494940	20.00	ng	0.00
76) Chrysene-d12	21.53	240	484469	20.00	ng	0.00
87) Perylene-d12	24.62	264	497968	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	764659	148.05	ng	0.00
7) Phenol-d6	7.08	99	986660	142.26	ng	0.00
23) Nitrobenzene-d5	9.06	82	612107	95.98	ng	0.00
42) 2,4,6-Tribromophenol	16.03	330	384082	144.64	ng	0.00
45) 2-Fluorobiphenyl	13.16	172	1304651	96.58	ng	0.00
79) Terphenyl-d14	19.90	244	1882788	79.94	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.37	88	55	0.024	ng	# 24
3) Pyridine	3.26	79	60	0.010	ng	# 1
4) n-Nitrosodimethylamine	3.68	42	58	0.022	ng	# 1
6) Aniline	7.09	93	144	0.017	ng	# 1
9) Benzaldehyde	7.08	77	1661	0.421	ng	# 1
10) Phenol	7.11	94	8019	1.168	ng	# 78
11) bis(2-Chloroethyl)ether	7.09	93	144	0.025	ng	# 1
12) 1,3-Dichlorobenzene	8.23	146	71	0.010	ng	# 1
13) 1,4-Dichlorobenzene	8.23	146	71	0.011	ng	# 1
14) 1,2-Dichlorobenzene	8.23	146	71	0.011	ng	# 1
15) Benzyl Alcohol	8.22	79	10121	2.061	ng	# 47
19) n-Nitroso-di-n-propylamine	9.06	70	80360	17.386	ng	# 76
22) Acetophenone	8.73	105	54	0.006	ng	# 54
24) Nitrobenzene	9.06	77	2054	0.330	ng	# 35
25) Isophorone	9.64	82	314	0.026	ng	# 64
31) Naphthalene	10.75	128	76	0.004	ng	# 67
46) 1,1'-Biphenyl	13.38	154	3281	0.201	ng	# 99
48) 2-Nitroaniline	14.00	65	209	0.055	ng	# 1
50) Dimethylphthalate	13.99	163	37897	2.331	ng	# 97
51) 2,6-Dinitrotoluene	14.54	165	29064	8.017	ng	# 30
52) Acenaphthene	14.54	154	771	0.062	ng	# 5
57) 2,4-Dinitrotoluene	14.54	165	29064	5.720	ng	# 28
58) Fluorene	16.03	166	16865	1.146	ng	# 92
60) Diethylphthalate	15.37	149	281	0.017	ng	# 57
63) Azobenzene	16.03	77	1835	0.129	ng	# 1
65) 4,6-Dinitro-2-methylphenol	16.03	198	1195	0.437	ng	# 1
66) n-Nitrosodiphenylamine	16.03	169	13272	0.957	ng	# 49
67) 4-Bromophenyl-phenylether	16.03	248	26923	4.993	ng	# 1
71) Phenanthrene	17.32	178	717	0.030	ng	# 78
72) Anthracene	17.42	178	121	0.005	ng	# 57
74) Di-n-butylphthalate	18.25	149	1302	0.048	ng	# 75
75) Fluoranthene	19.34	202	1887	0.068	ng	# 93
77) Benzidine	19.90	184	31672	2.357	ng	# 91
78) Pyrene	19.70	202	2102	0.068	ng	# 91

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

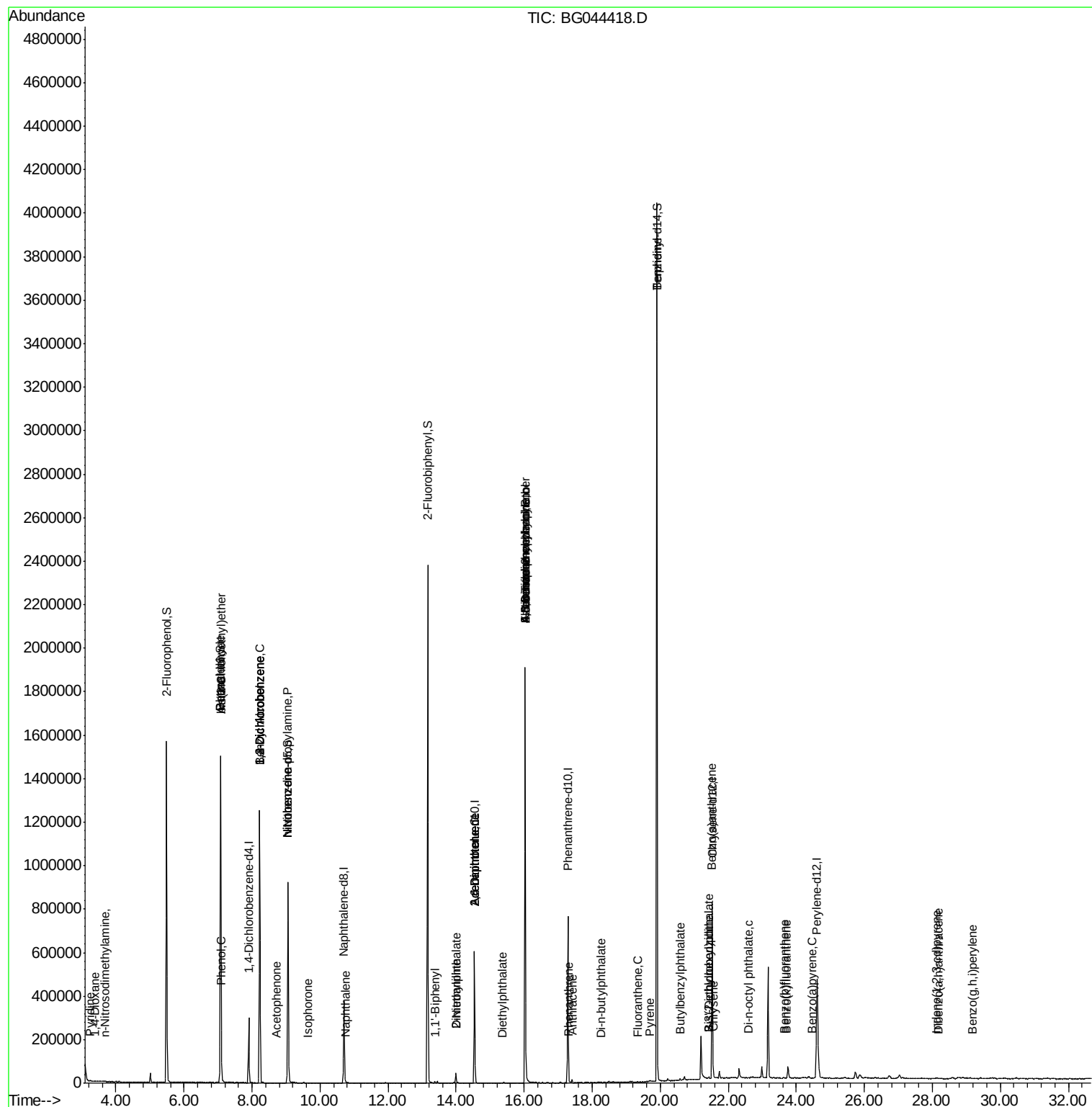
80) Butylbenzylphthalate	20.59	149	358	0.025	ng	# 39
81) Benzo(a)anthracene	21.52	228	2576	0.086	ng	# 82
82) 3,3'-Dichlorobenzidine	21.44	252	57	0.005	ng	# 25
83) Chrysene	21.58	228	1329	0.046	ng	# 94
84) Bis(2-ethylhexyl)phthalate	21.44	149	3926	0.201	ng	# 90
85) Di-n-octyl phthalate	22.59	149	1571	0.047	ng	# 76
86) Indeno(1,2,3-cd)pyrene	28.12	276	354	0.009	ng	# 65
88) Benzo(b)fluoranthene	23.65	252	1643	0.057	ng	# 79
89) Benzo(k)fluoranthene	23.70	252	1169	0.042	ng	# 50
90) Benzo(a)pyrene	24.47	252	1331	0.049	ng	# 47
91) Dibenzo(a,h)anthracene	28.18	278	204	0.008	ng	# 35
92) Benzo(a,h,i)perylene	29.19	276	313	0.012	ng	# 54

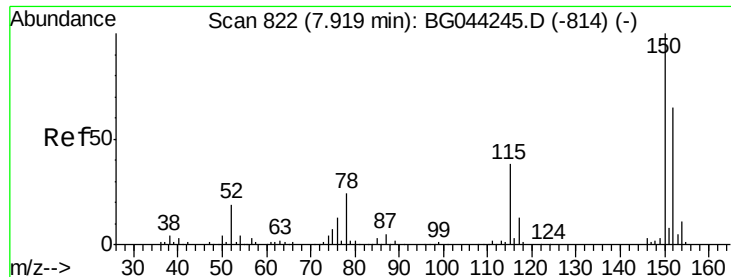
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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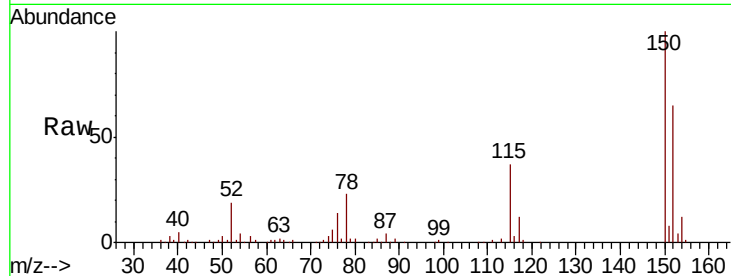


#1

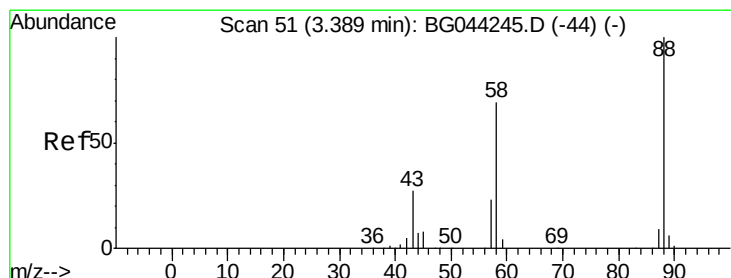
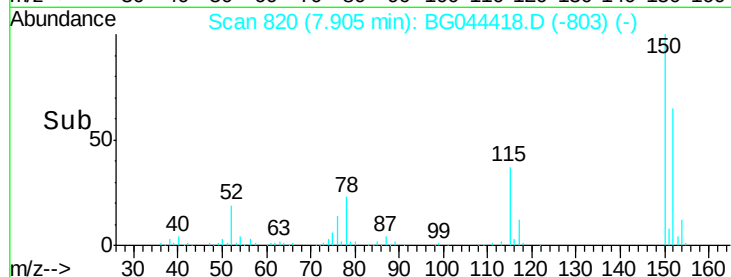
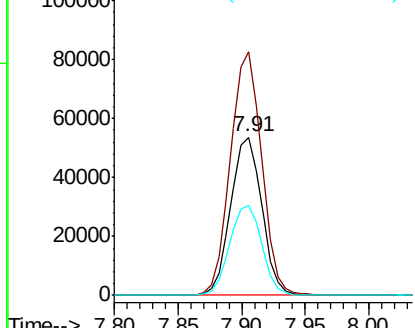
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.91 min Scan# 820
Delta R.T. -0.00 min
Lab File: BG044418.D
Acq: 12 Feb 2020 21:06

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 91151
Ion Ratio Lower Upper
152 100
150 153.8 122.6 183.8
115 57.1 46.0 69.0



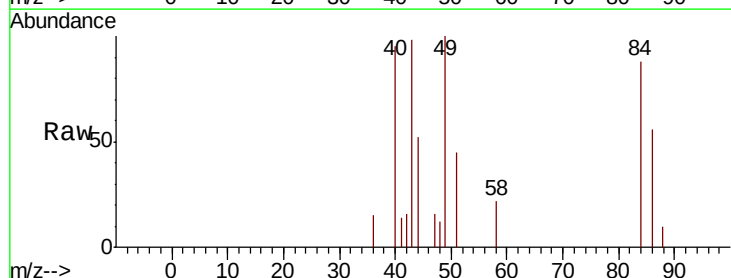
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



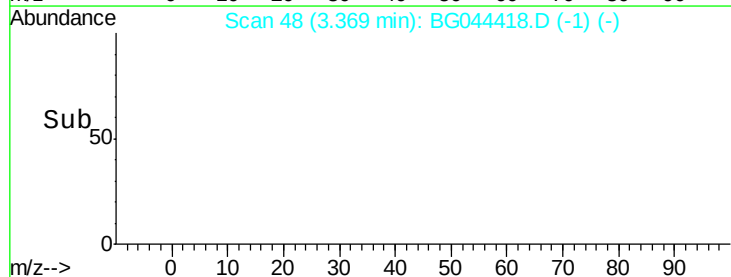
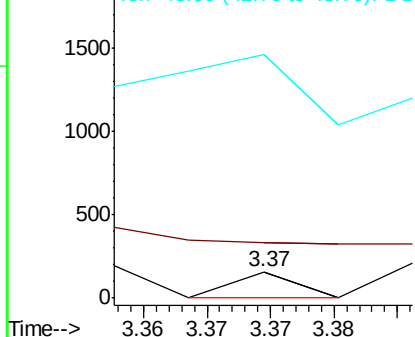
#2

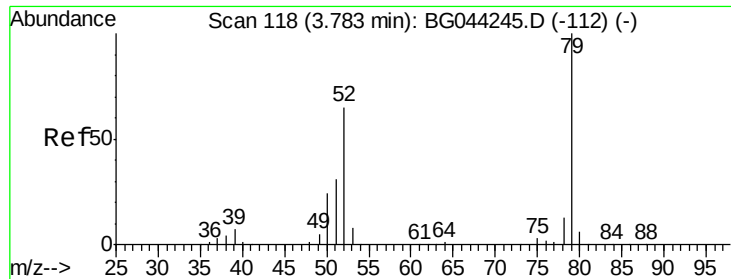
1,4-Dioxane
Concen: 0.024 ng
RT: 3.37 min Scan# 48
Delta R.T. 0.01 min
Lab File: BG044418.D
Acq: 12 Feb 2020 21:06

Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
58 0.0 55.8 83.6#
43 0.0 21.6 32.4#



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: 0.010 ng

RT: 3.26 min Scan# 29

Delta R.T. -0.51 min

Lab File: BG044418.D

Acq: 12 Feb 2020 21:06

Instrument :

BNA_G

ClientSampleId :

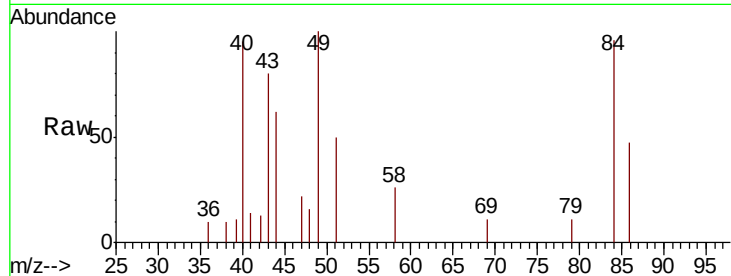
Tot Ion: 79 Resp: 60

Ion Ratio Lower Upper

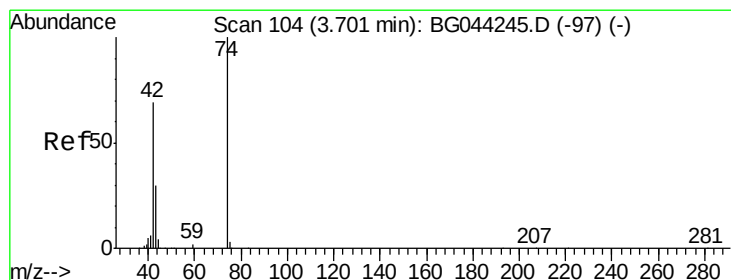
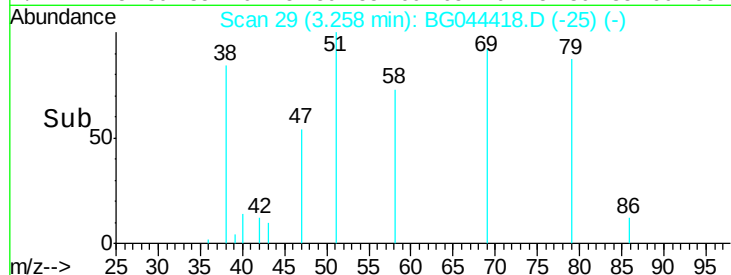
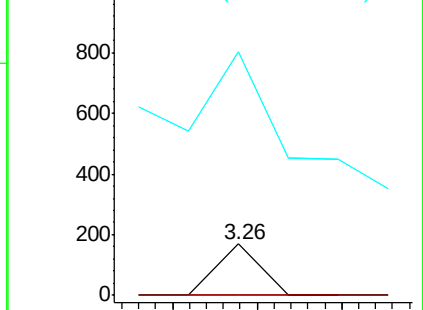
79 100

52 0.0 51.9 77.9#

51 475.1 25.3 37.9#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 52.00 (51.70 to 52.70): BGC
Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 0.022 ng

RT: 3.68 min Scan# 101

Delta R.T. 0.01 min

Lab File: BG044418.D

Acq: 12 Feb 2020 21:06

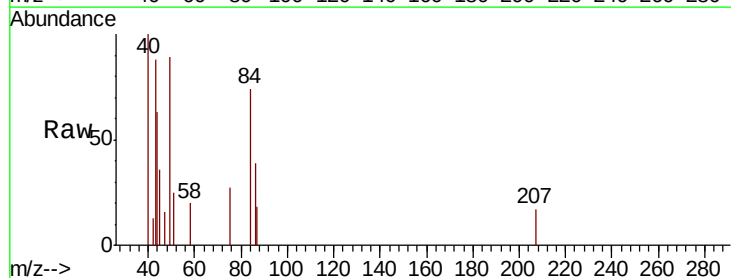
Tgt Ion: 42 Resp: 58

Ion Ratio Lower Upper

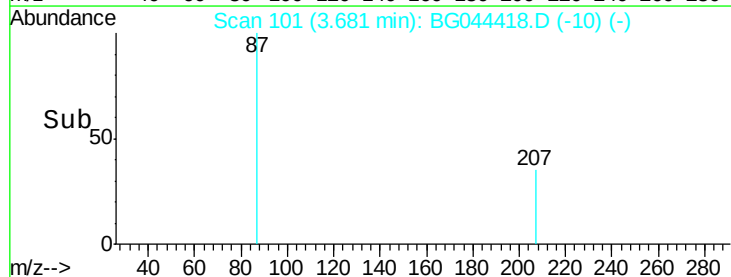
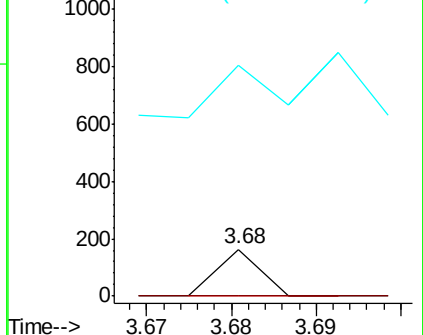
42 100

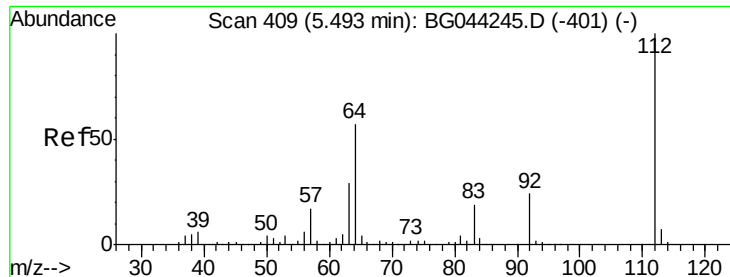
74 0.0 115.1 172.7#

44 490.9 5.6 8.4#



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: 148.051 ng

RT: 5.48 min Scan# 408

Delta R.T. 0.01 min

Lab File: BG044418.D

Acq: 12 Feb 2020 21:06

Instrument :

BNA_G

ClientSampled :

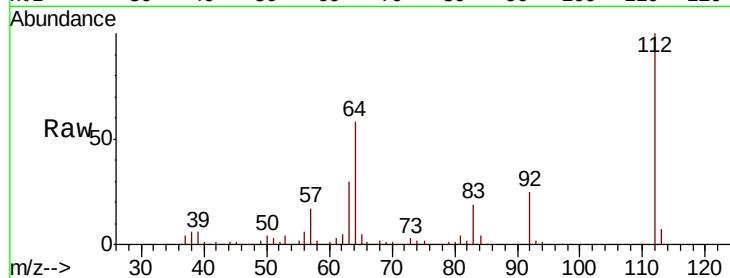
Tot Ion: 112 Resp: 764659

Ion Ratio Lower Upper

112 100

64 58.1 45.4 68.2

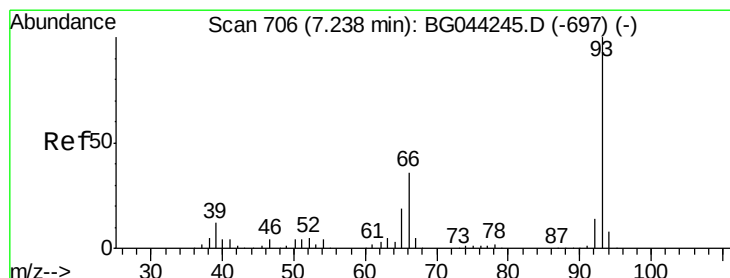
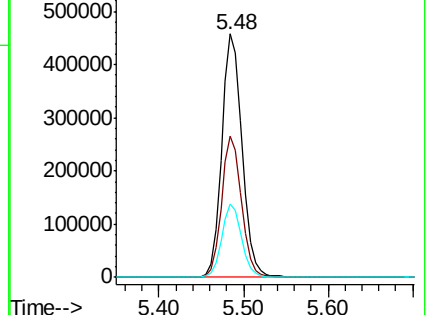
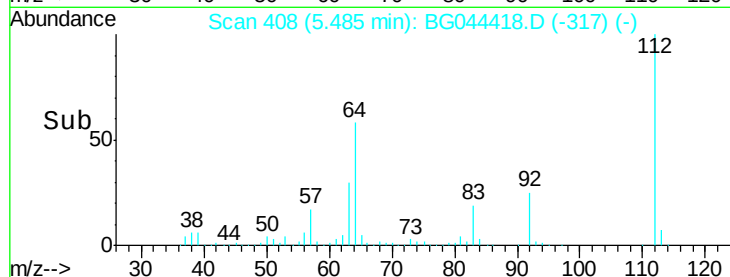
63 30.0 22.9 34.3



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: 0.017 ng

RT: 7.09 min Scan# 681

Delta R.T. -0.14 min

Lab File: BG044418.D

Acq: 12 Feb 2020 21:06

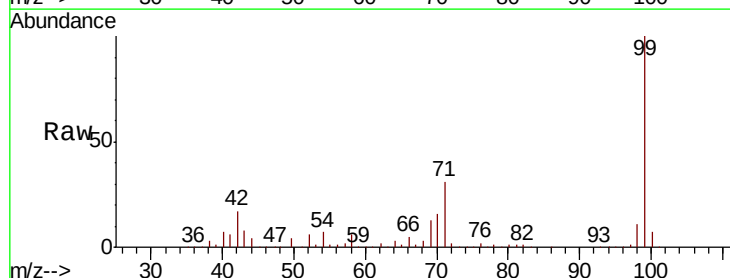
Tgt Ion: 93 Resp: 144

Ion Ratio Lower Upper

93 100

66 8461.5 28.7 43.1#

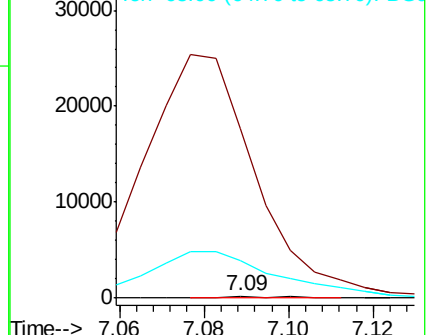
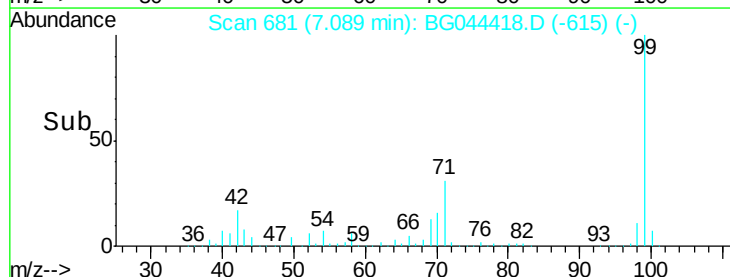
65 1897.1 15.4 23.0#

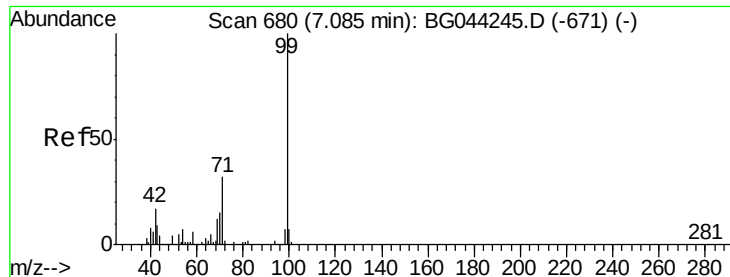


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 142.261 ng

RT: 7.08 min Scan# 679

Delta R.T. -0.00 min

Lab File: BG044418.D

Acq: 12 Feb 2020 21:06

Instrument :

BNA_G

ClientSampleId :

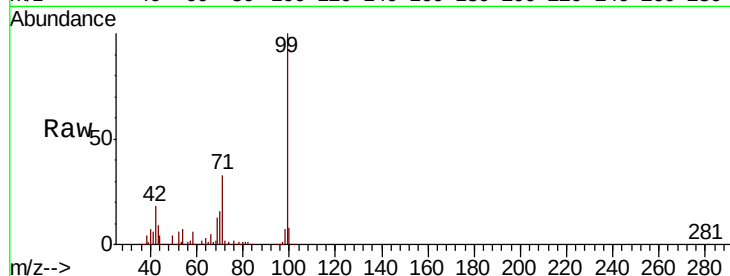
Tot Ion: 99 Resp: 986660

Ion Ratio Lower Upper

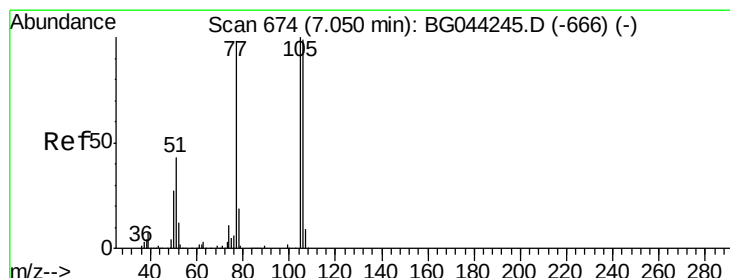
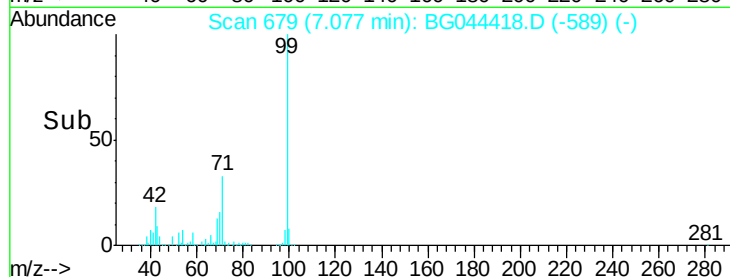
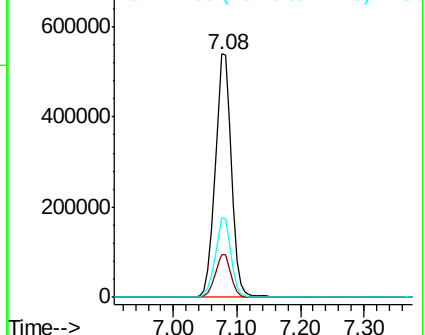
99 100

42 17.8 13.8 20.6

71 32.7 25.5 38.3



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: 0.421 ng

RT: 7.08 min Scan# 679

Delta R.T. 0.04 min

Lab File: BG044418.D

Acq: 12 Feb 2020 21:06

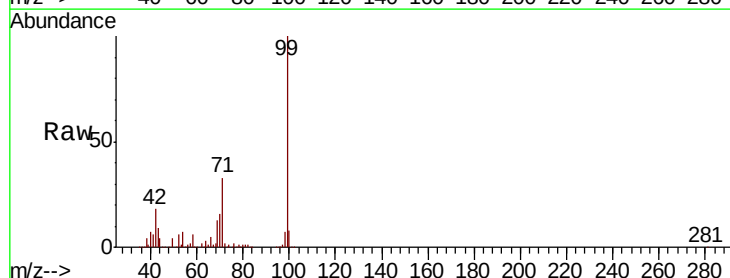
Tgt Ion: 77 Resp: 1661

Ion Ratio Lower Upper

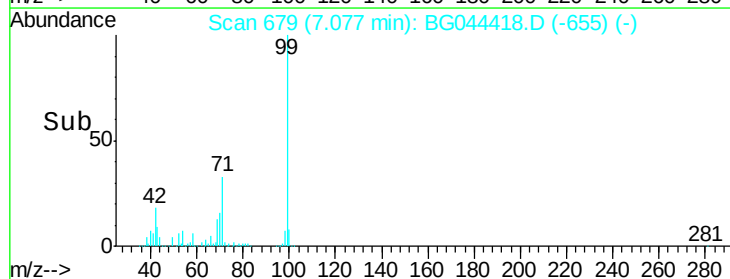
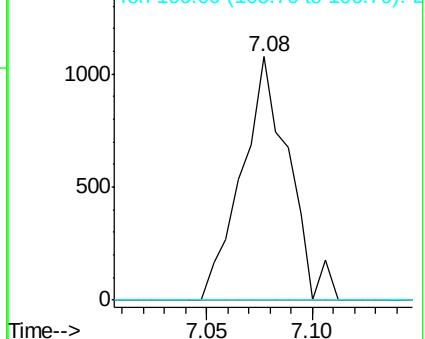
77 100

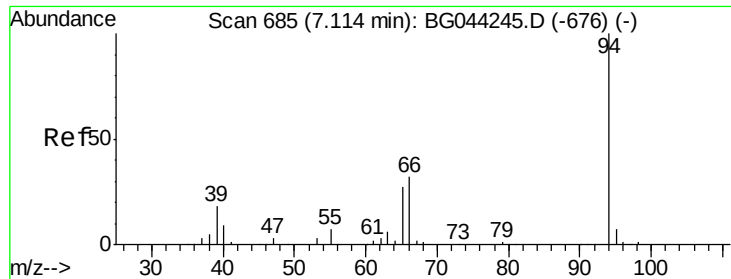
105 0.0 82.0 122.0#

106 0.0 80.7 120.7#



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





#10

Phenol

Concen: 1.168 ng

RT: 7.11 min Scan# 684

Delta R.T. 0.01 min

Lab File: BG044418.D

Acq: 12 Feb 2020 21:06

Instrument :

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ClientSampleId :

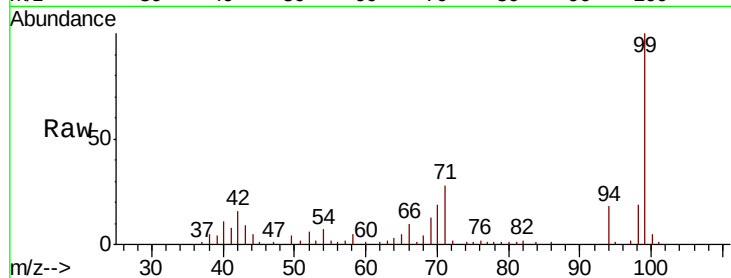
Tot Ion: 94 Resp: 8019

Ion Ratio Lower Upper

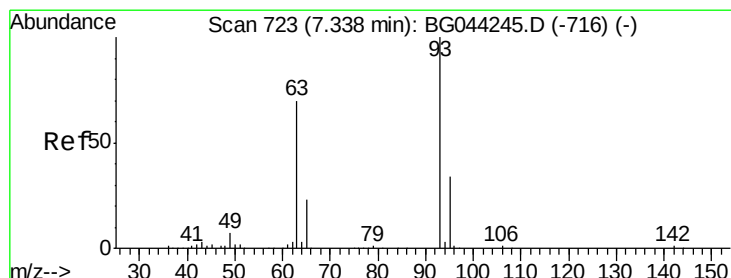
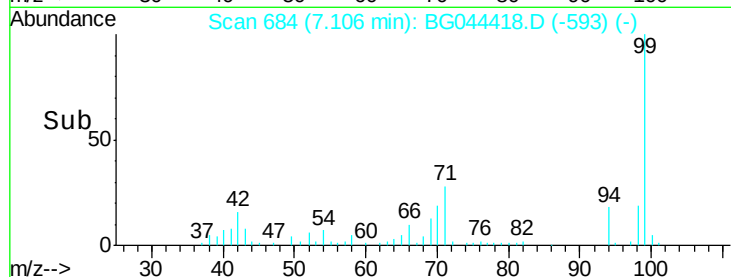
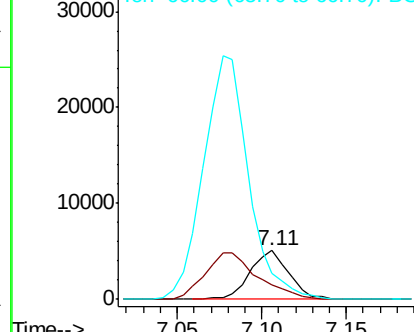
94 100

65 29.0 7.0 47.0

66 53.8 12.7 52.7#



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: 0.025 ng

RT: 7.09 min Scan# 681

Delta R.T. -0.24 min

Lab File: BG044418.D

Acq: 12 Feb 2020 21:06

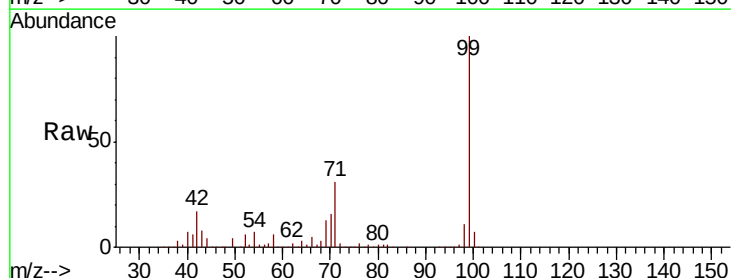
Tgt Ion: 93 Resp: 144

Ion Ratio Lower Upper

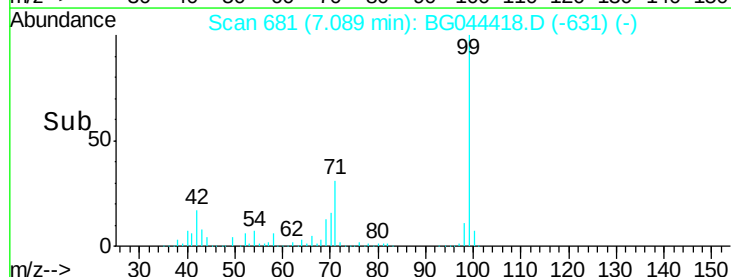
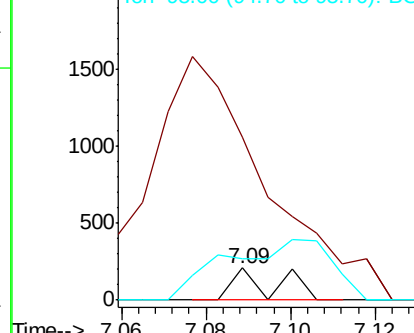
93 100

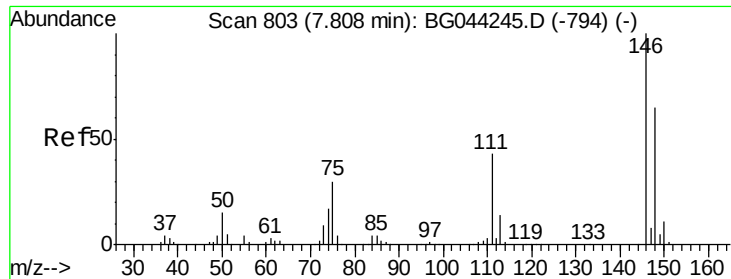
63 508.2 49.2 89.2#

95 128.8 13.6 53.6#



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

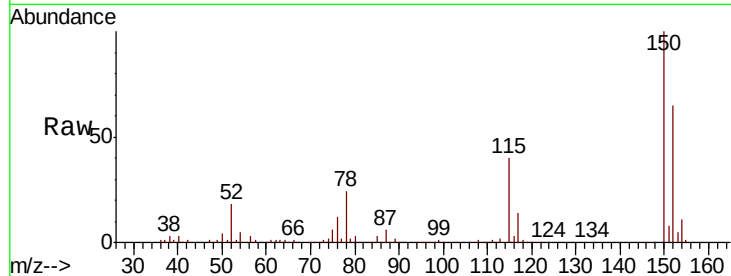




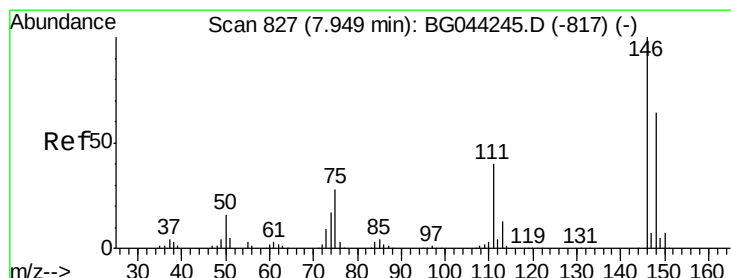
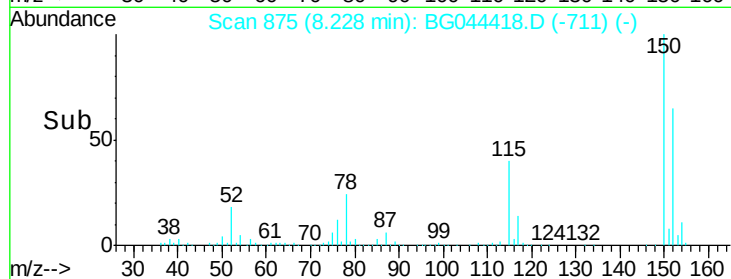
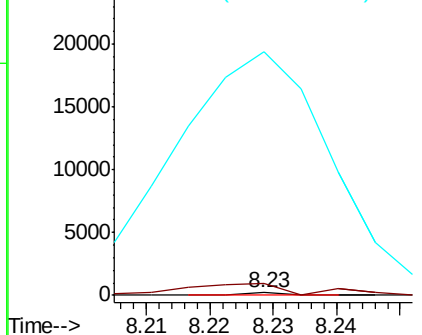
#12
 1,3-Dichlorobenzene
 Concen: 0.010 ng
 RT: 8.23 min Scan# 875
 Delta R.T. 0.43 min
 Lab File: BG044418.D
 Acq: 12 Feb 2020 21:06

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:146 Resp: 71
 Ion Ratio Lower Upper
 146 100
 148 453.7 51.8 77.8#
 75 9643.8 23.7 35.5#

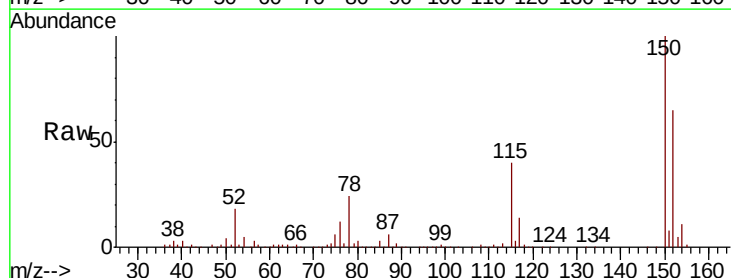


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): BGC

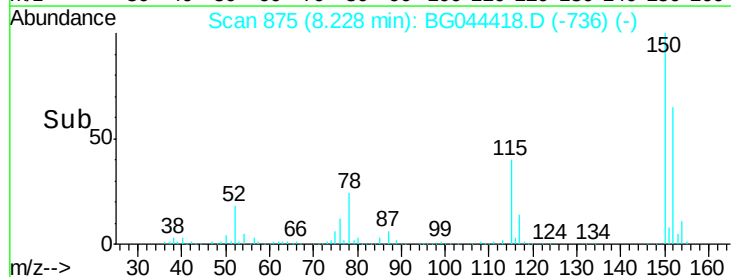
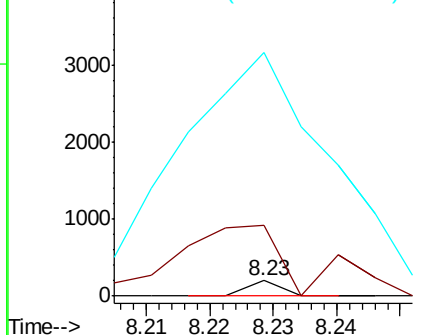


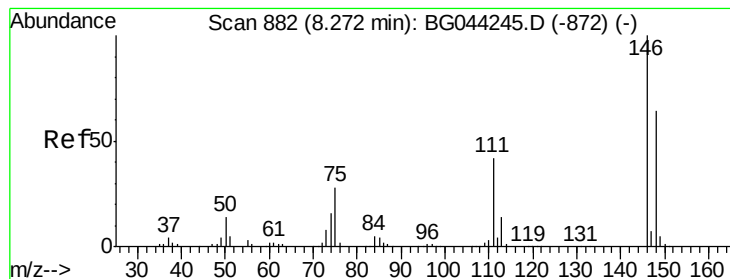
#13
 1,4-Dichlorobenzene
 Concen: 0.011 ng
 RT: 8.23 min Scan# 875
 Delta R.T. 0.29 min
 Lab File: BG044418.D
 Acq: 12 Feb 2020 21:06

Tgt Ion:146 Resp: 71
 Ion Ratio Lower Upper
 146 100
 148 453.7 51.4 77.0#
 111 1571.1 31.8 47.8#



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: 0.011 ng

RT: 8.23 min Scan# 875

Delta R.T. -0.03 min

Lab File: BG044418.D

Acq: 12 Feb 2020 21:06

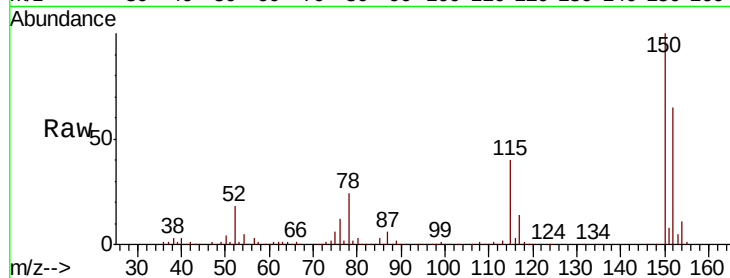
Instrument :

BNA_G

ClientSampleId :

Tot Ion:146 Resp: 71

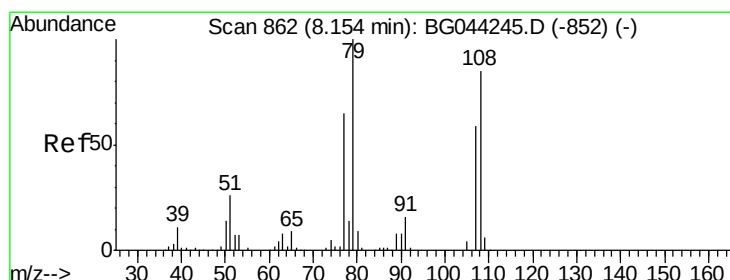
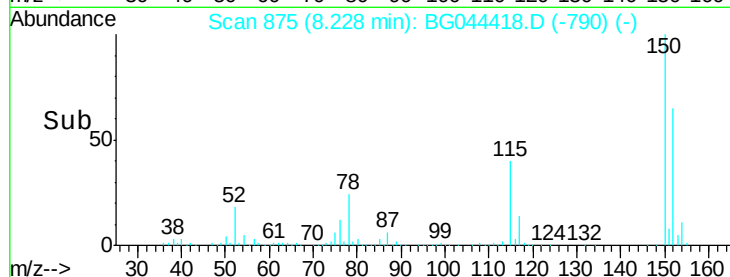
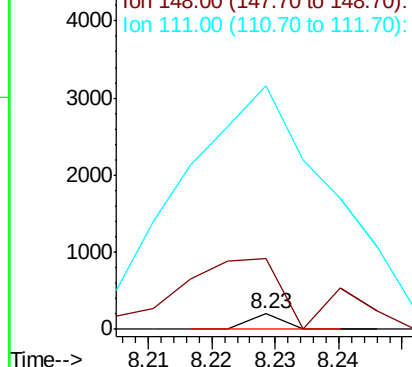
Ion	Ratio	Lower	Upper
146	100		
148	453.7	51.2	76.8#
111	1571.1	34.0	51.0#



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: 2.061 ng

RT: 8.22 min Scan# 874

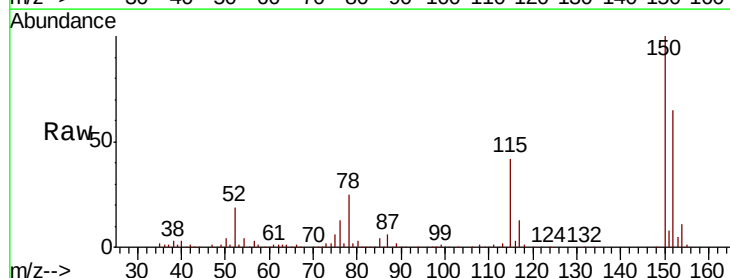
Delta R.T. 0.08 min

Lab File: BG044418.D

Acq: 12 Feb 2020 21:06

Tgt Ion: 79 Resp: 10121

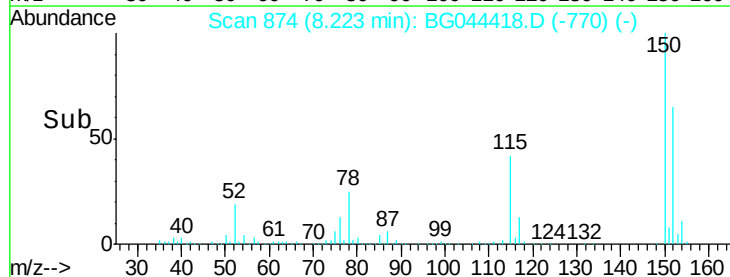
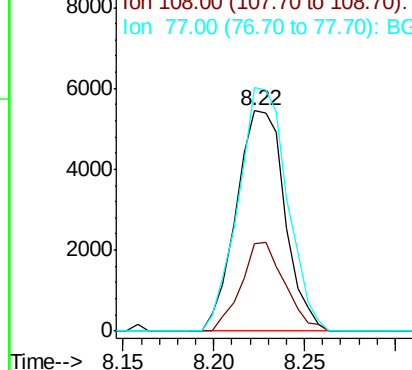
Ion	Ratio	Lower	Upper
79	100		
108	40.0	68.3	102.5#
77	110.7	51.8	77.8#

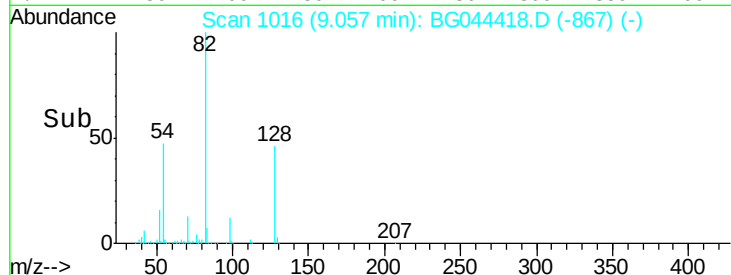
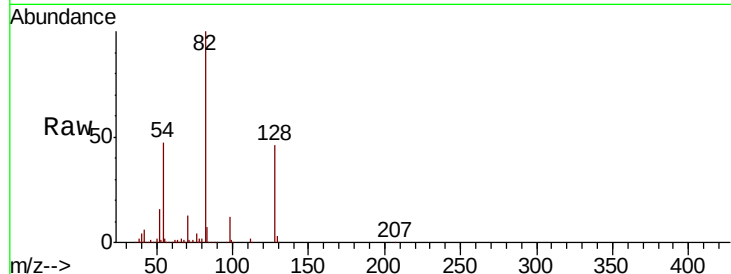
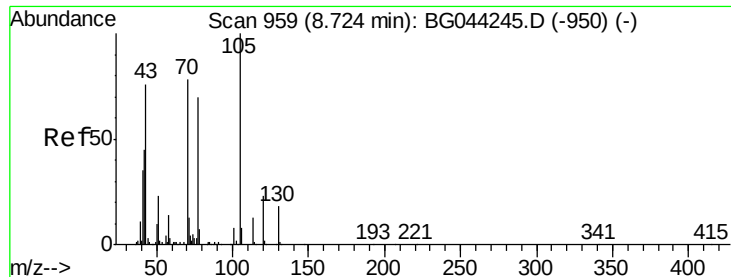


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

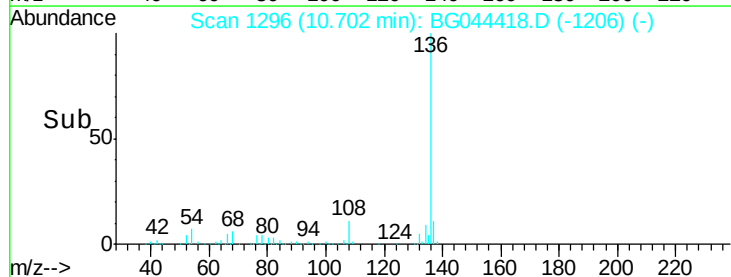
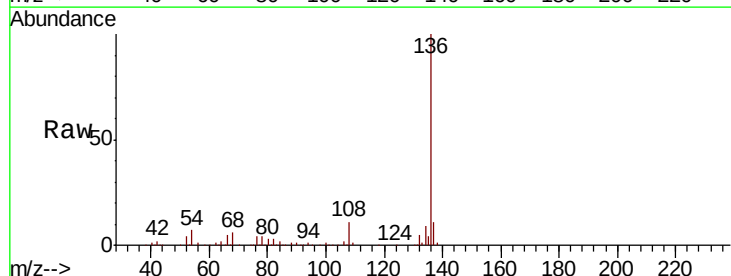
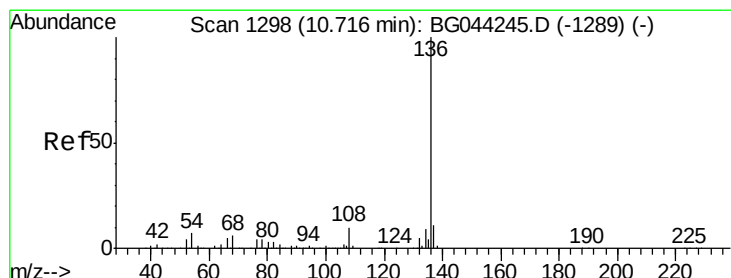
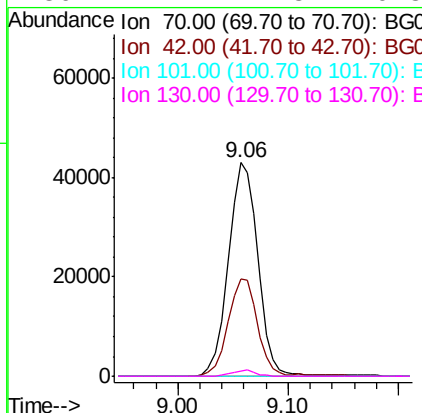




#19
n-Nitroso-di-n-propylamine
Concen: 17.386 ng
RT: 9.06 min Scan# 1016
Delta R.T. 0.35 min
Lab File: BG044418.D
Acq: 12 Feb 2020 21:06

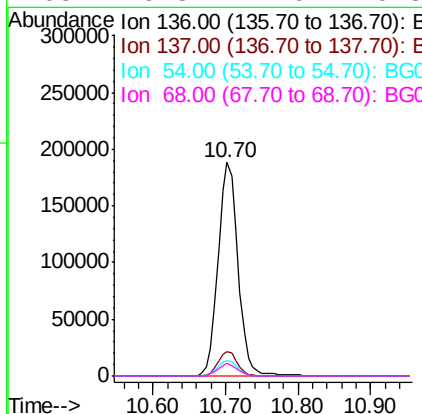
Instrument :
BNA_G
ClientSampleId :

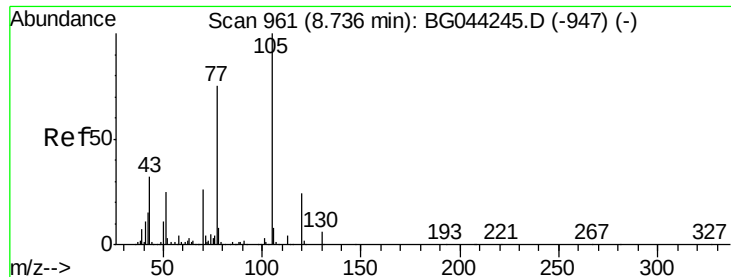
Tot Ion: 70 Resp: 80360
Ion Ratio Lower Upper
70 100
42 45.3 46.2 69.2#
101 0.0 8.4 12.6#
130 2.2 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.70 min Scan# 1296
Delta R.T. -0.00 min
Lab File: BG044418.D
Acq: 12 Feb 2020 21:06

Tgt Ion: 136 Resp: 360032
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 7.3 5.8 8.8
68 5.8 4.6 6.8

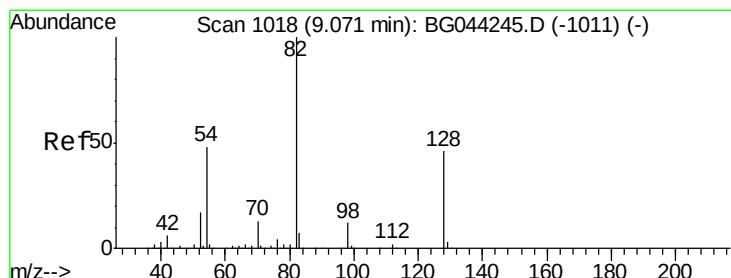
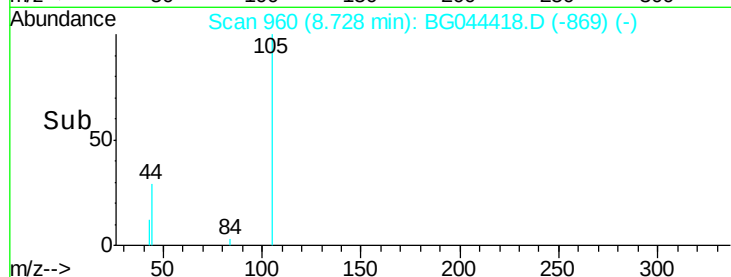
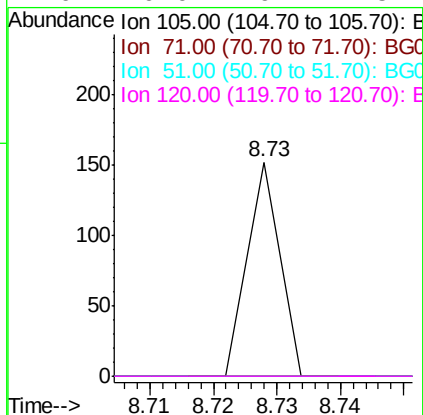
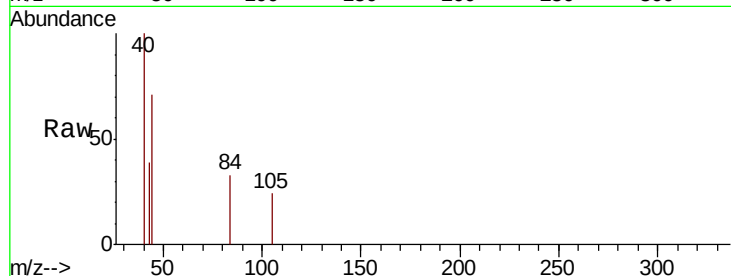




#22
Acetophenone
Concen: 0.006 ng
RT: 8.73 min Scan# 960
Delta R.T. 0.01 min
Lab File: BG044418.D
Acq: 12 Feb 2020 21:06

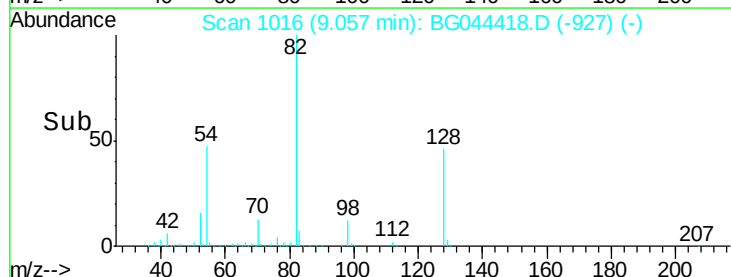
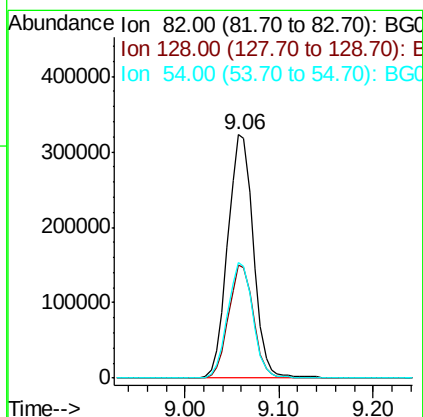
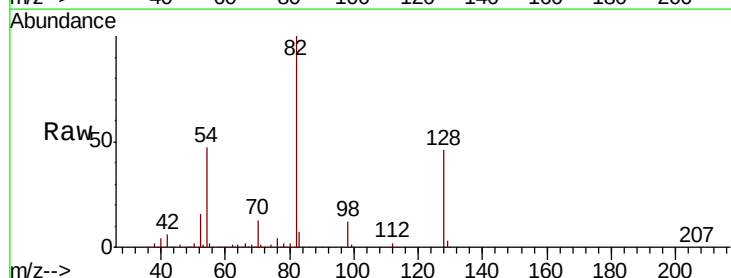
Instrument :
BNA_G
ClientSampleId :

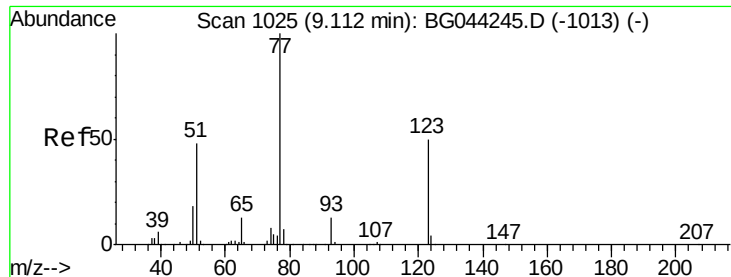
Tot Ion	Ratio	Lower	Upper
105	100		
71	0.0	3.4	5.0#
51	0.0	20.2	30.4#
120	0.0	19.1	28.7#



#23
Nitrobenzene-d5
Concen: 95.984 ng
RT: 9.06 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BG044418.D
Acq: 12 Feb 2020 21:06

Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.2	36.5	54.7
54	47.5	38.6	58.0

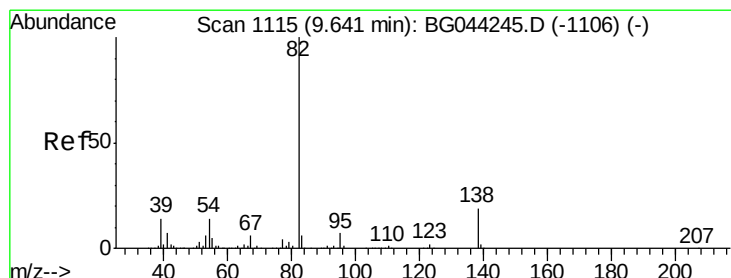
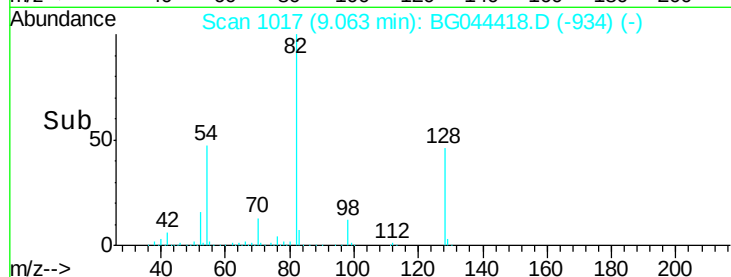
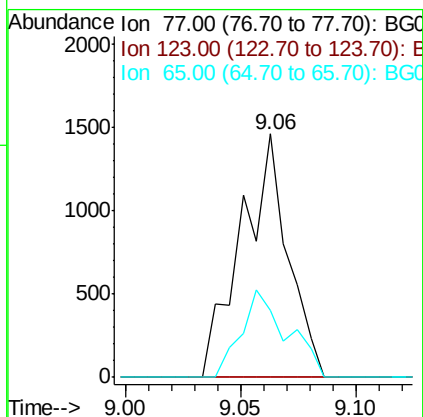
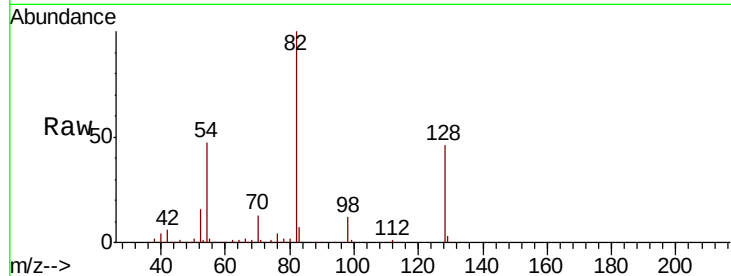




#24
 Nitrobenzene
 Concen: 0.330 ng
 RT: 9.06 min Scan# 1017
 Delta R.T. -0.04 min
 Lab File: BG044418.D
 Acq: 12 Feb 2020 21:06

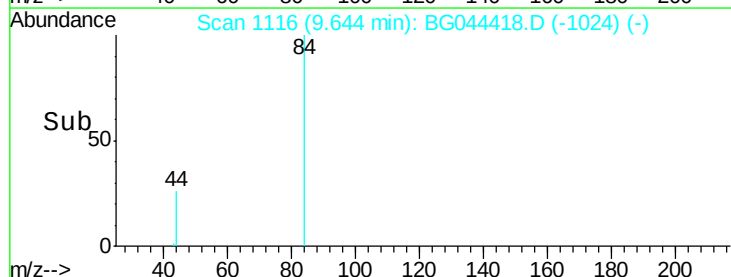
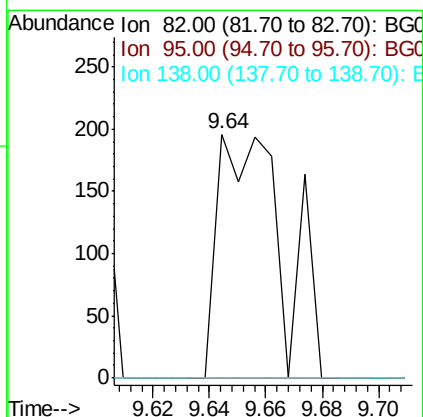
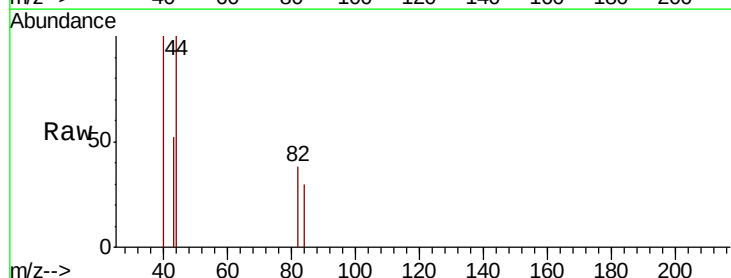
Instrument :
 BNA_G
 ClientSampleId :

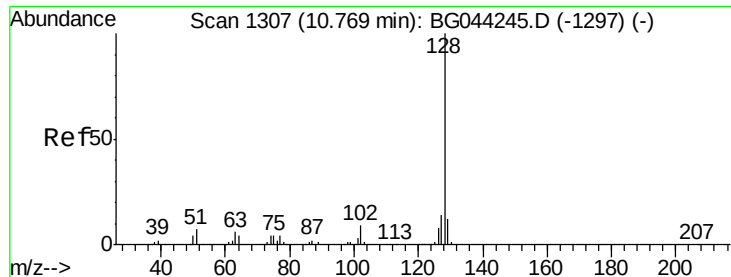
Tot Ion: 77 Resp: 2054
 Ion Ratio Lower Upper
 77 100
 123 0.0 39.9 59.9#
 65 27.7 10.4 15.6#



#25
 Isophorone
 Concen: 0.026 ng
 RT: 9.64 min Scan# 1116
 Delta R.T. 0.01 min
 Lab File: BG044418.D
 Acq: 12 Feb 2020 21:06

Tgt Ion: 82 Resp: 314
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.7 8.5#
 138 0.0 15.0 22.4#

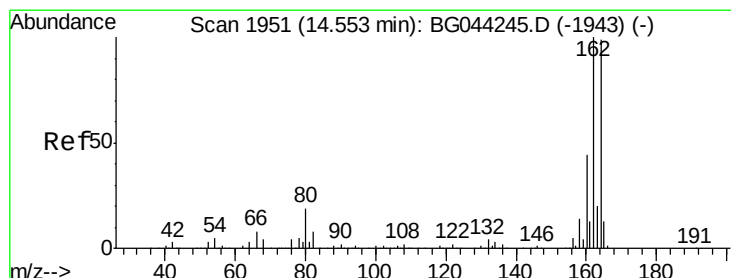
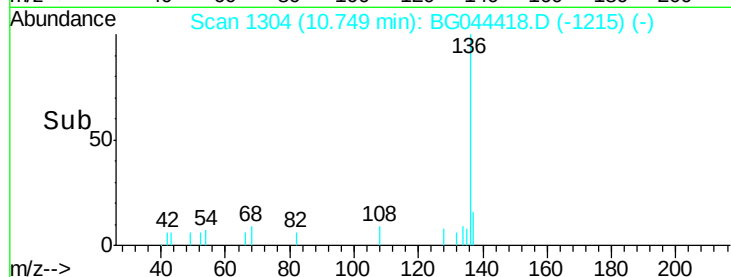
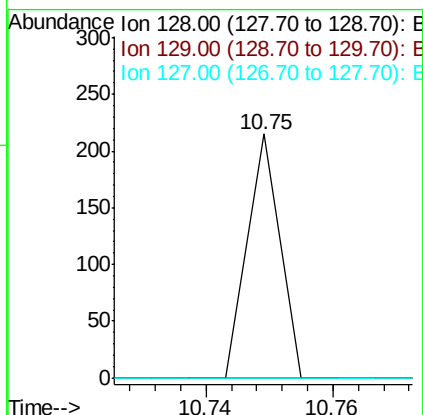
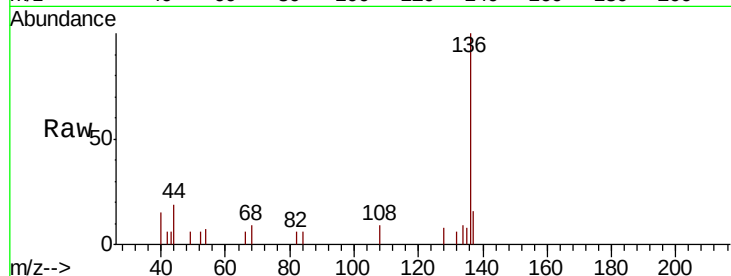




#31
Naphthalene
Concen: 0.004 ng
RT: 10.75 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BG044418.D
Acq: 12 Feb 2020 21:06

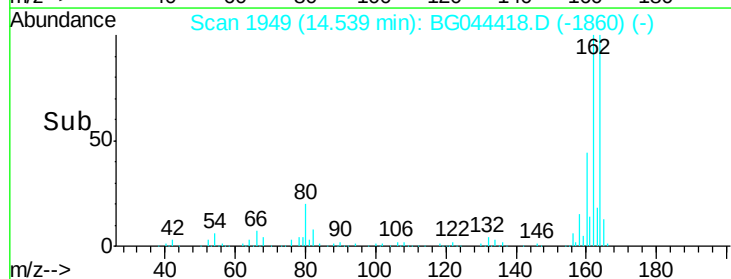
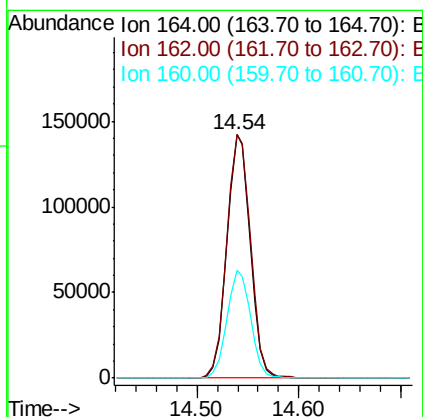
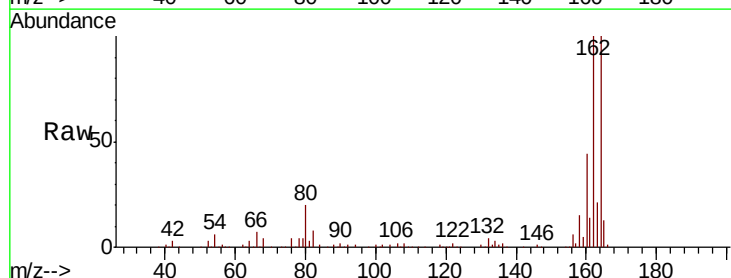
Instrument :
BNA_G
ClientSampleId :

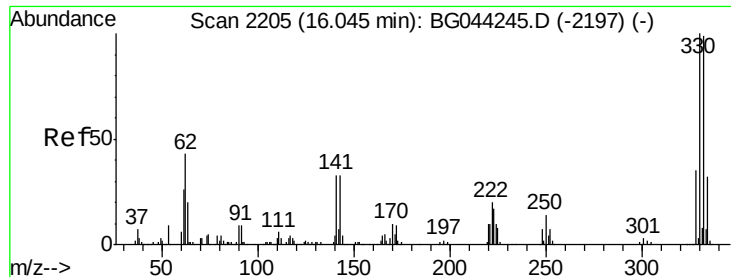
Tot Ion	Ratio	Lower	Upper
128	100		
129	0.0	9.3	13.9#
127	0.0	11.6	17.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.54 min Scan# 1949
Delta R.T. -0.01 min
Lab File: BG044418.D
Acq: 12 Feb 2020 21:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.2	80.7	121.1
160	44.2	35.3	52.9

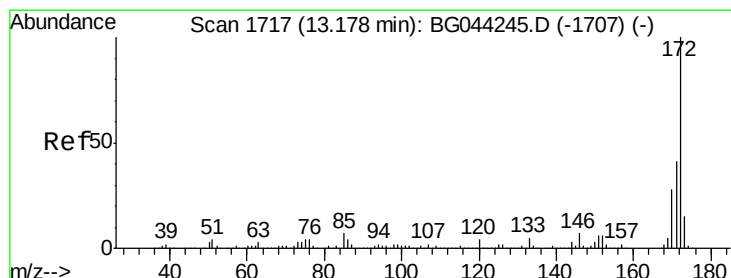
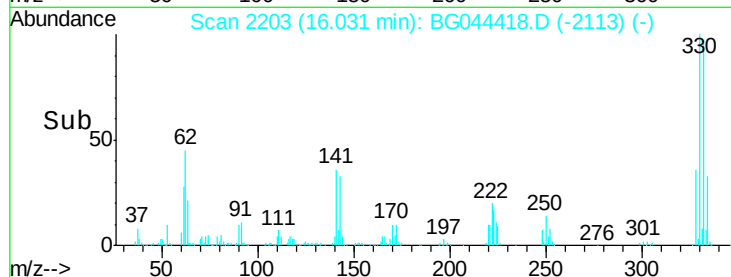
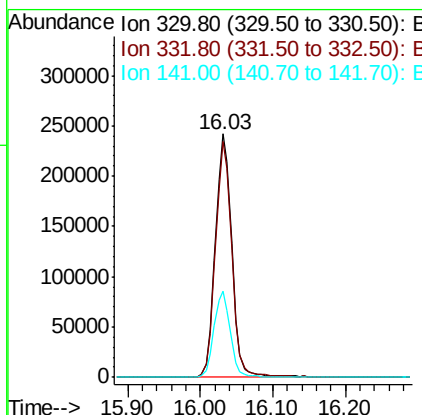
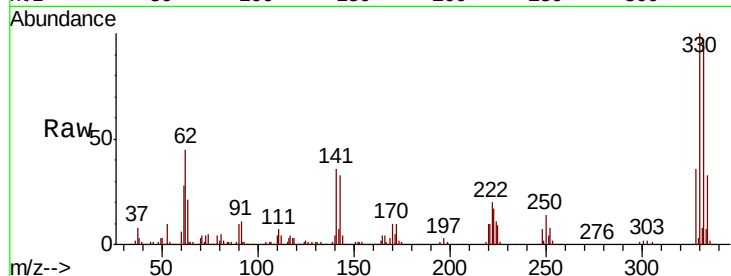




#42
 2,4,6-Tribromophenol
 Concen: 144.635 ng
 RT: 16.03 min Scan# 2203
 Delta R.T. -0.00 min
 Lab File: BG044418.D
 Acq: 12 Feb 2020 21:06

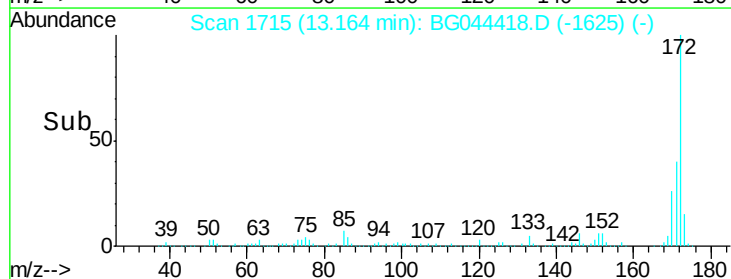
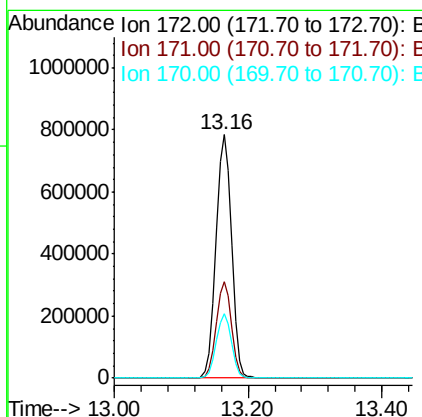
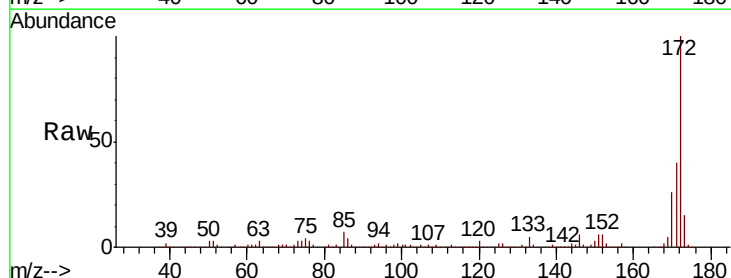
Instrument :
 BNA_G
 ClientSampleId :

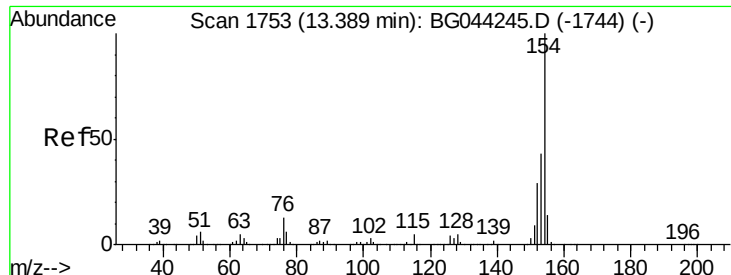
Tot Ion:330 Resp: 384082
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.2 115.8
 141 35.0 28.3 42.5



#45
 2-Fluorobiphenyl
 Concen: 96.581 ng
 RT: 13.16 min Scan# 1715
 Delta R.T. -0.00 min
 Lab File: BG044418.D
 Acq: 12 Feb 2020 21:06

Tgt Ion:172 Resp: 1304651
 Ion Ratio Lower Upper
 172 100
 171 39.5 32.9 49.3
 170 26.3 22.0 33.0

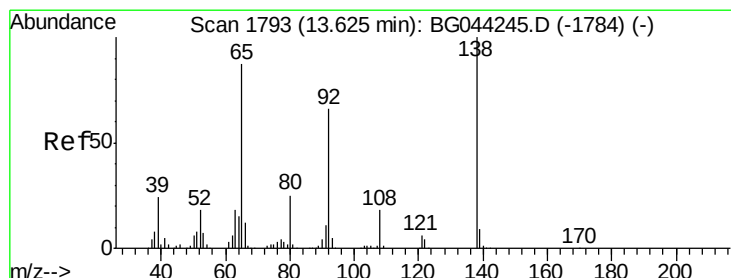
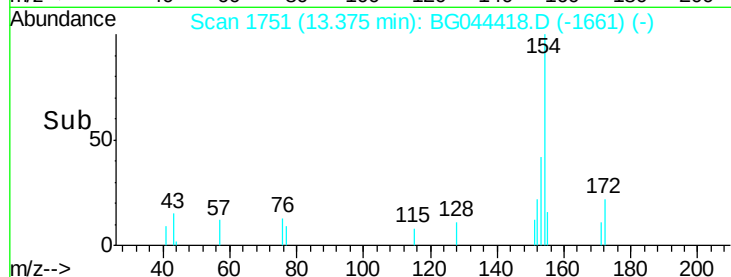
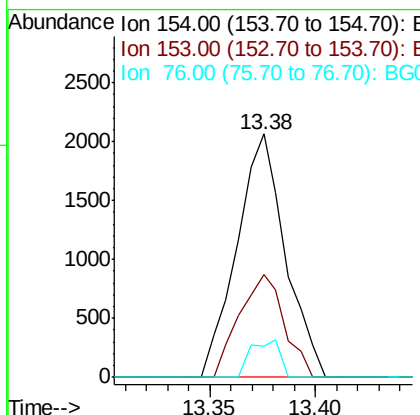
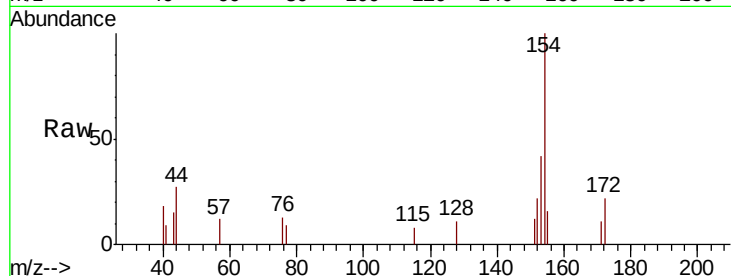




#46
 1,1'-Biphenyl
 Concen: 0.201 ng
 RT: 13.38 min Scan# 1751
 Delta R.T. -0.00 min
 Lab File: BG044418.D
 Acq: 12 Feb 2020 21:06

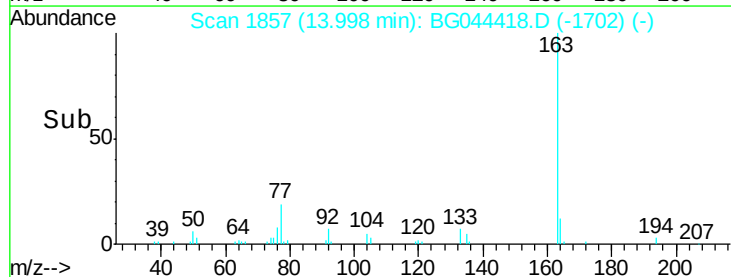
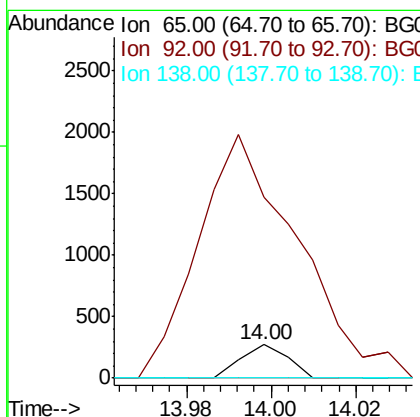
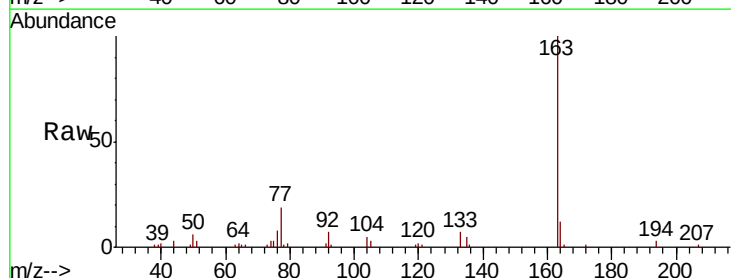
Instrument :
 BNA_G
 ClientSampled :

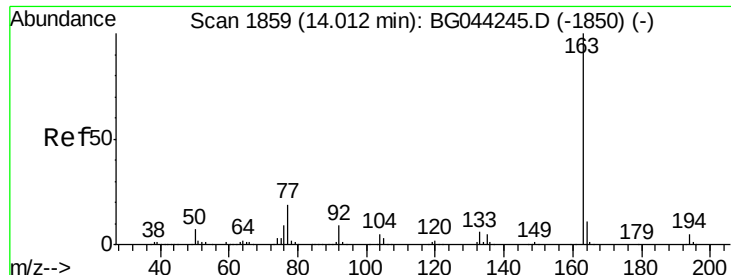
Tot Ion:154 Resp: 3281
 Ion Ratio Lower Upper
 154 100
 153 42.2 22.7 62.7
 76 12.6 0.0 32.9



#48
 2-Nitroaniline
 Concen: 0.055 ng
 RT: 14.00 min Scan# 1857
 Delta R.T. 0.38 min
 Lab File: BG044418.D
 Acq: 12 Feb 2020 21:06

Tgt Ion: 65 Resp: 209
 Ion Ratio Lower Upper
 65 100
 92 539.9 60.3 90.5#
 138 0.0 91.9 137.9#

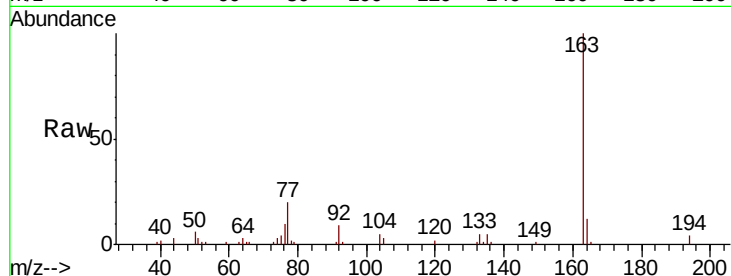




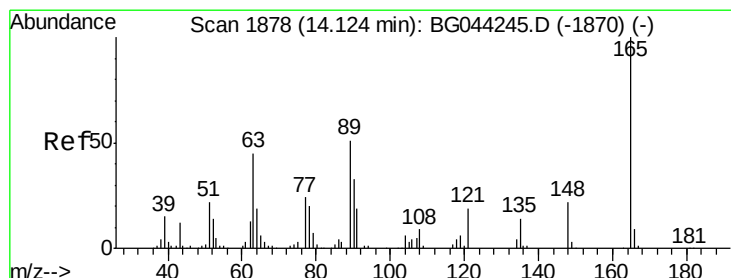
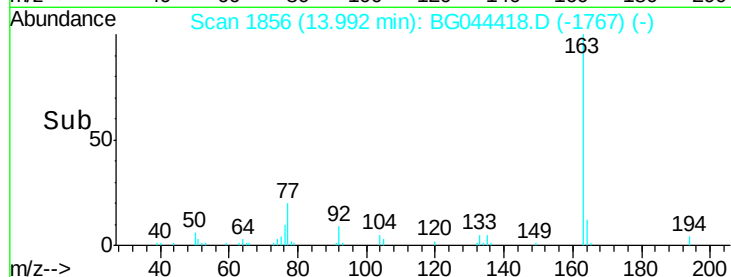
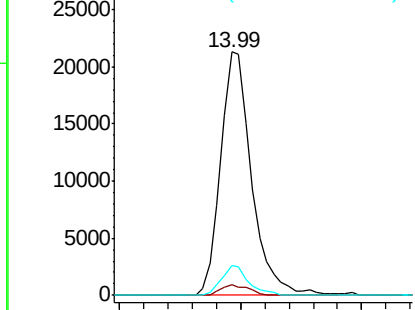
#50
Dimethylphthalate
Concen: 2.331 ng
RT: 13.99 min Scan# 1856
Delta R.T. -0.01 min
Lab File: BG044418.D
Acq: 12 Feb 2020 21:06

Instrument :
BNA_G
ClientSampled :

Tot Ion:163 Resp: 37897
Ion Ratio Lower Upper
163 100
194 4.3 3.6 5.4
164 12.3 8.7 13.1

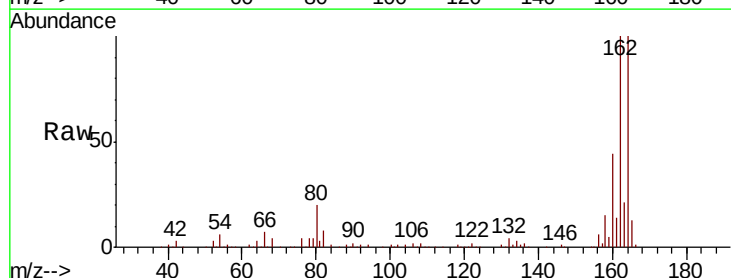


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

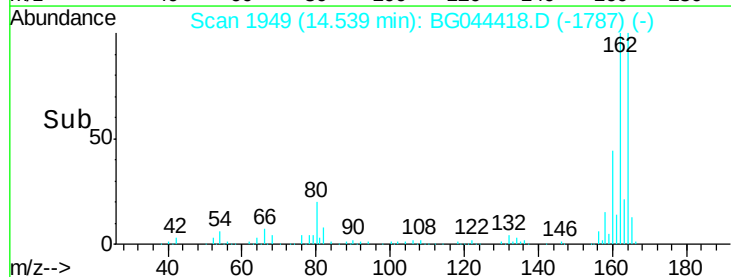
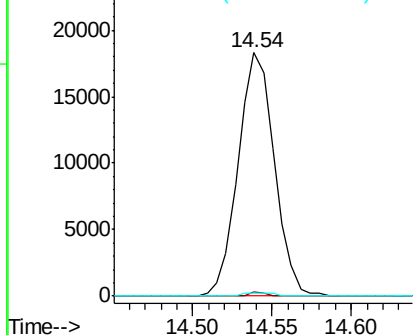


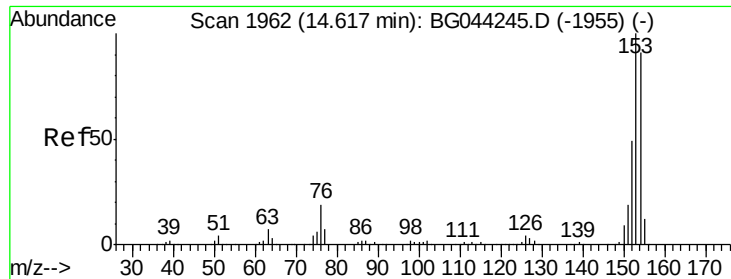
#51
2,6-Dinitrotoluene
Concen: 8.017 ng
RT: 14.54 min Scan# 1949
Delta R.T. 0.42 min
Lab File: BG044418.D
Acq: 12 Feb 2020 21:06

Tgt Ion:165 Resp: 29064
Ion Ratio Lower Upper
165 100
63 1.8 38.7 58.1#
89 1.2 40.4 60.6#



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: 14.54 min Scan# 1949

Delta R.T. -0.07 min

Lab File: BG044418.D

Acq: 12 Feb 2020 21:06

Instrument :

BNA_G

ClientSampleId :

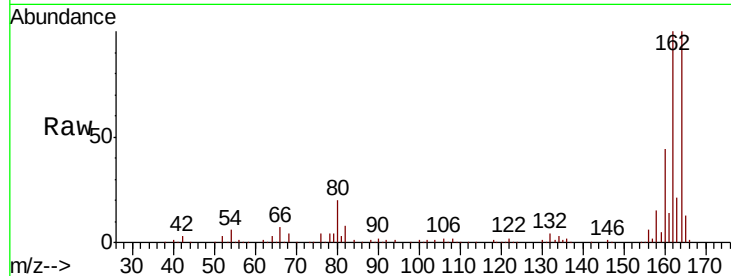
Tot Ion:154 Resp: 771

Ion Ratio Lower Upper

154 100

153 0.0 87.9 131.9#

152 0.0 43.1 64.7#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

14.54

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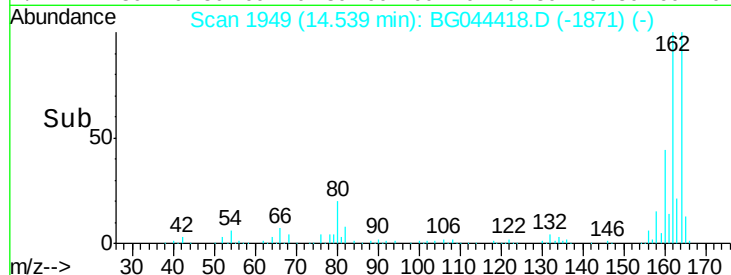
14.54

14.54

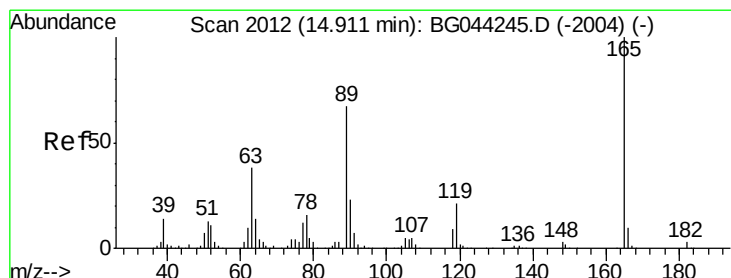
14.54

14.54

14.54



Time-->



#57

2,4-Dinitrotoluene

Concen: 5.720 ng

RT: 14.54 min Scan# 1949

Delta R.T. -0.36 min

Lab File: BG044418.D

Acq: 12 Feb 2020 21:06

Tgt Ion:165 Resp: 29064

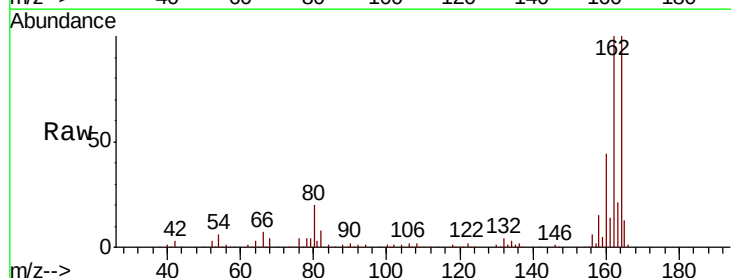
Ion Ratio Lower Upper

165 100

63 1.8 30.3 45.5#

89 1.2 53.4 80.2#

182 0.0 2.1 3.1#



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

14.54

14.54

14.54

14.54

14.54

14.54

14.54

14.54

14.54

14.54

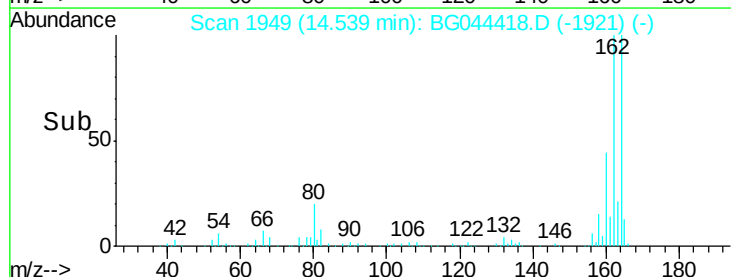
14.54

14.54

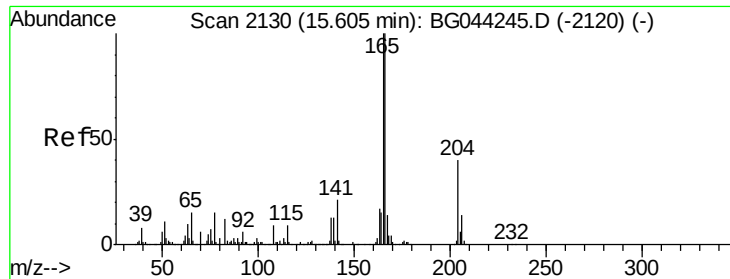
14.54

14.54

14.54



Time-->



#58

Fluorene

Concen: 1.146 ng

RT: 16.03 min Scan# 2203

Delta R.T. 0.44 min

Lab File: BG044418.D

Acq: 12 Feb 2020 21:06

Instrument :

BNA_G

ClientSampled :

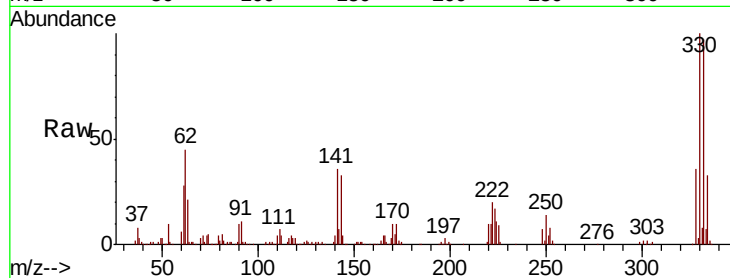
Tot Ion:166 Resp: 16865

Ion Ratio Lower Upper

166 100

165 102.5 79.9 119.9

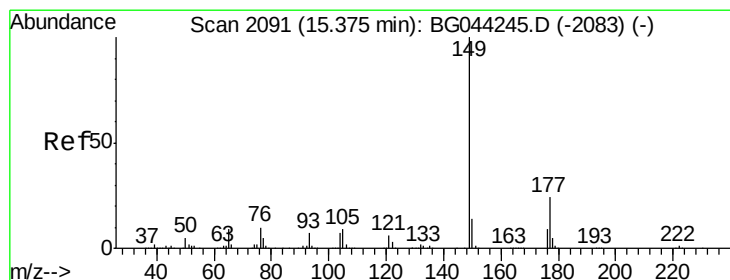
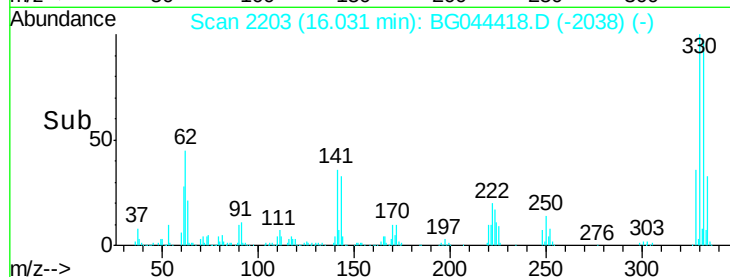
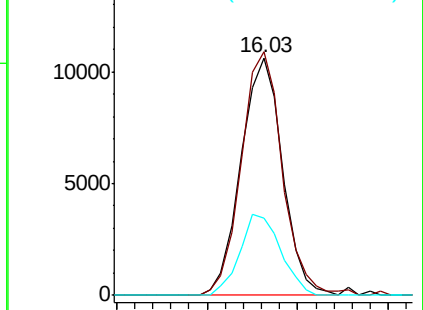
167 32.3 11.4 17.0#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#60

Diethylphthalate

Concen: 0.017 ng

RT: 15.37 min Scan# 2090

Delta R.T. -0.00 min

Lab File: BG044418.D

Acq: 12 Feb 2020 21:06

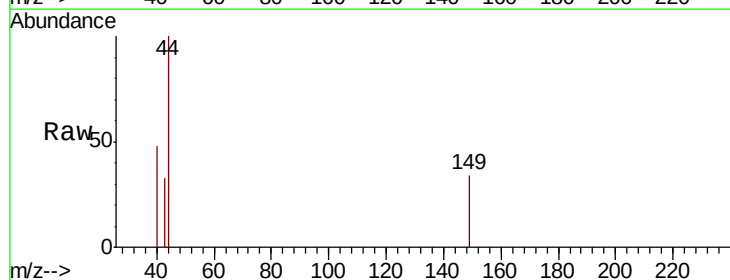
Tgt Ion:149 Resp: 281

Ion Ratio Lower Upper

149 100

177 0.0 19.4 29.0#

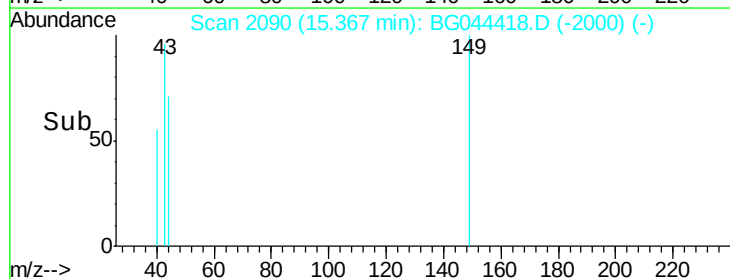
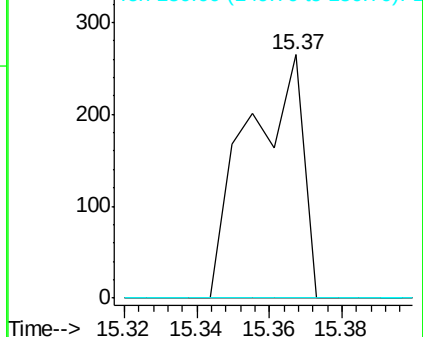
150 0.0 10.9 16.3#

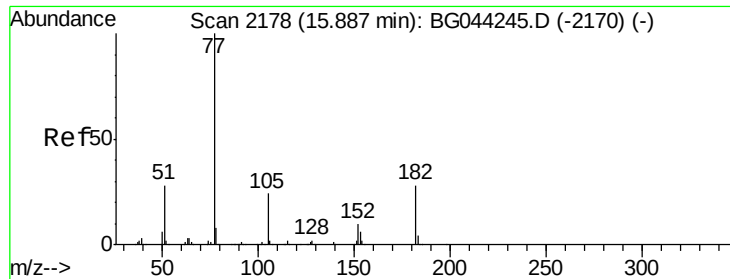


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

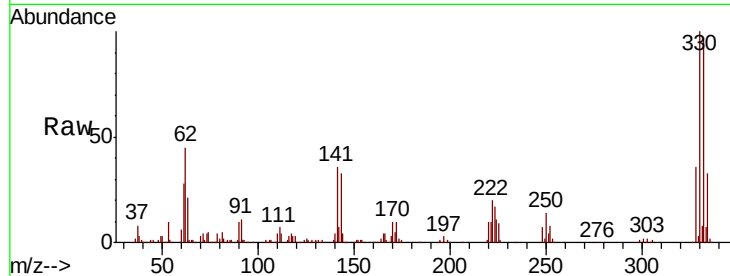




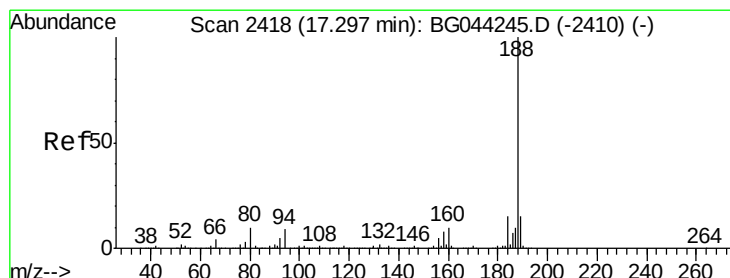
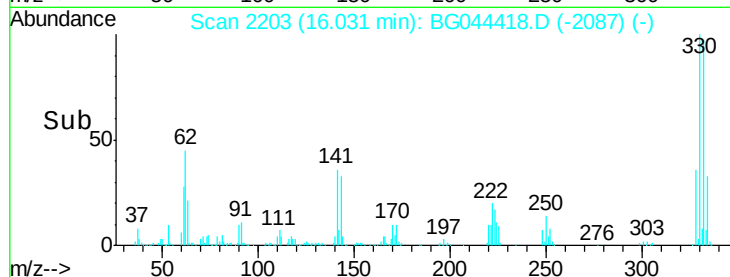
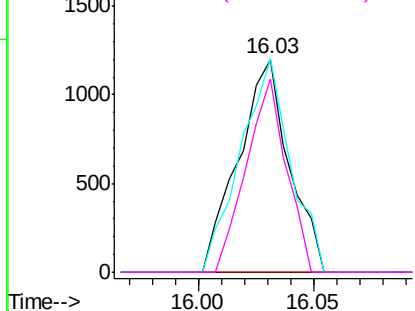
#63
Azobenzene
Concen: 0.129 ng
RT: 16.03 min Scan# 2203
Delta R.T. 0.15 min
Lab File: BG044418.D
Acq: 12 Feb 2020 21:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	77	Resp:	1835
Ion	Ratio	Lower	Upper
77	100		
182	0.0	8.2	48.2#
105	100.2	3.6	43.6#
51	90.5	8.3	48.3#

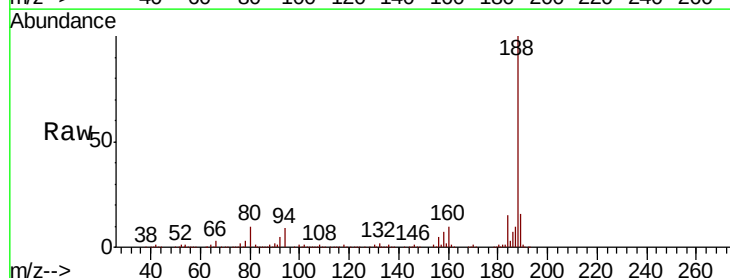


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

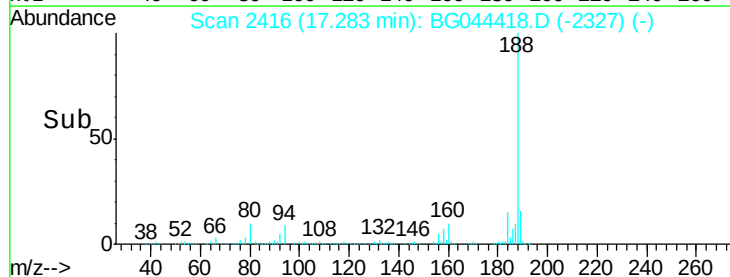
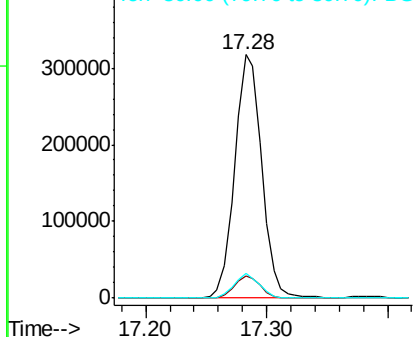


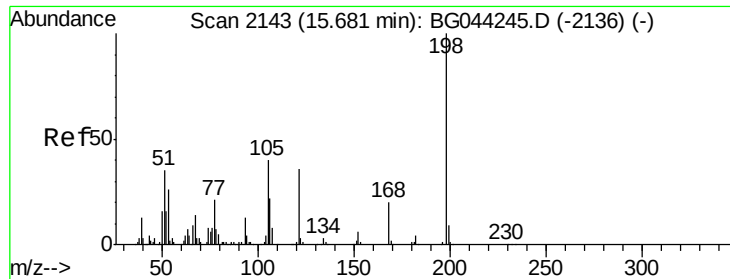
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.28 min Scan# 2416
Delta R.T. -0.01 min
Lab File: BG044418.D
Acq: 12 Feb 2020 21:06

Tgt Ion:	188	Resp:	494940
Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.4	11.2
80	10.2	7.7	11.5



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

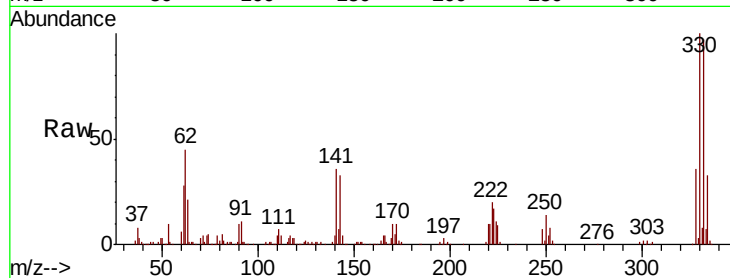




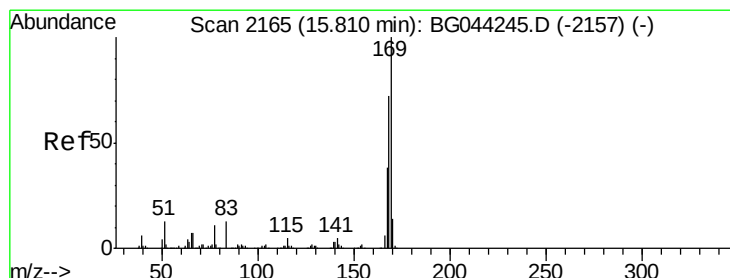
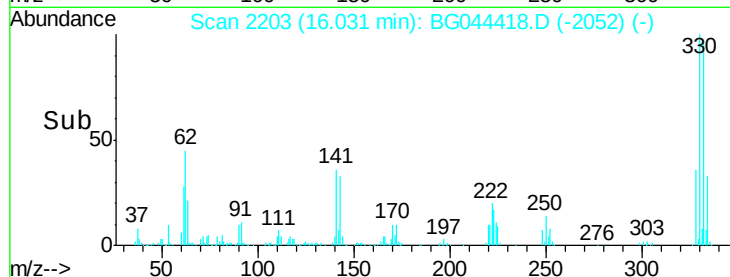
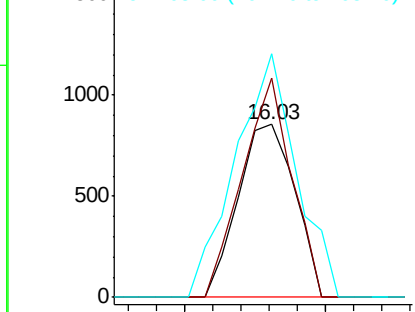
#65
 4,6-Dinitro-2-methylphenol
 Concen: 0.437 ng
 RT: 16.03 min Scan# 2203
 Delta R.T. 0.36 min
 Lab File: BG044418.D
 Acq: 12 Feb 2020 21:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 1195
 Ion Ratio Lower Upper
 198 100
 51 127.0 16.6 56.6#
 105 140.7 20.6 60.6#

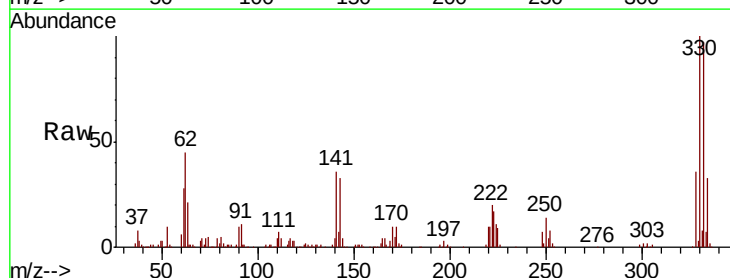


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

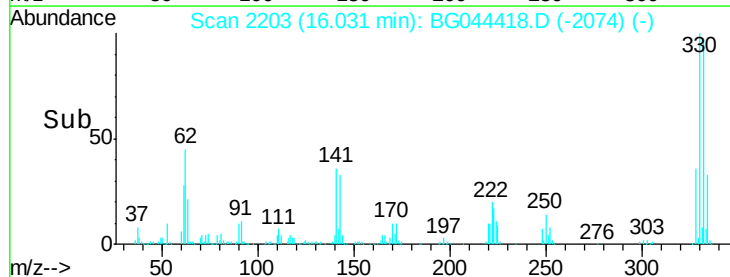
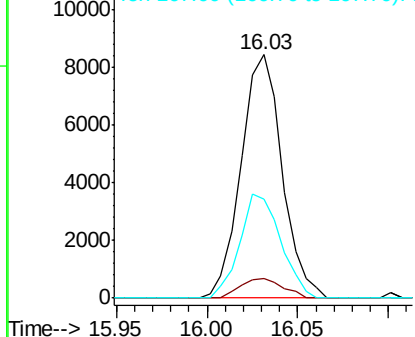


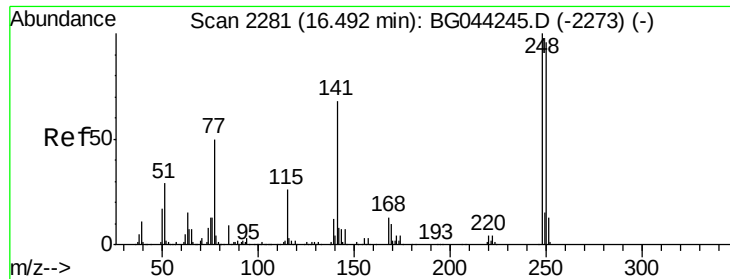
#66
 n-Nitrosodiphenylamine
 Concen: 0.957 ng
 RT: 16.03 min Scan# 2203
 Delta R.T. 0.23 min
 Lab File: BG044418.D
 Acq: 12 Feb 2020 21:06

Tgt Ion:169 Resp: 13272
 Ion Ratio Lower Upper
 169 100
 168 8.2 57.9 86.9#
 167 40.7 30.7 46.1



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

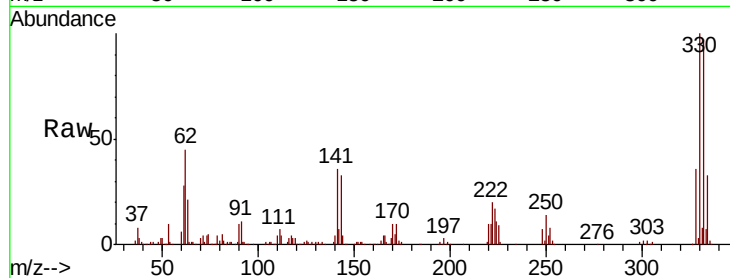




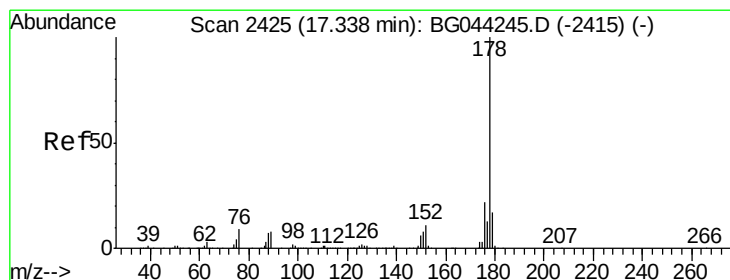
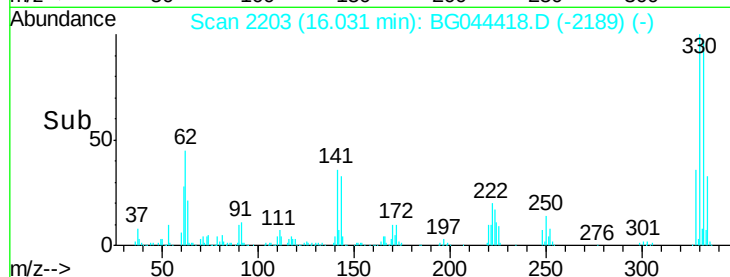
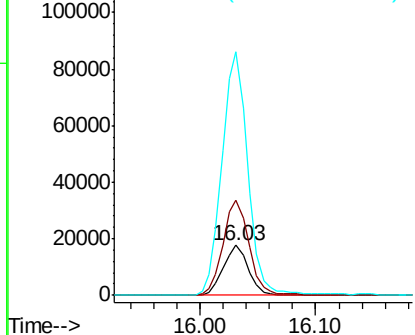
#67
 4-Bromophenyl-phenylether
 Concen: 4.993 ng
 RT: 16.03 min Scan# 2203
 Delta R.T. -0.45 min
 Lab File: BG044418.D
 Acq: 12 Feb 2020 21:06

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 26923
 Ion Ratio Lower Upper
 248 100
 250 191.2 76.6 114.8#
 141 488.7 54.7 82.1#

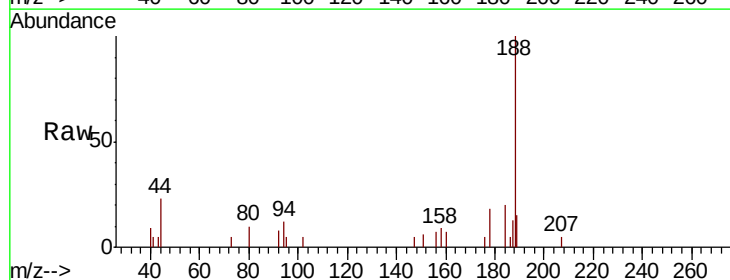


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

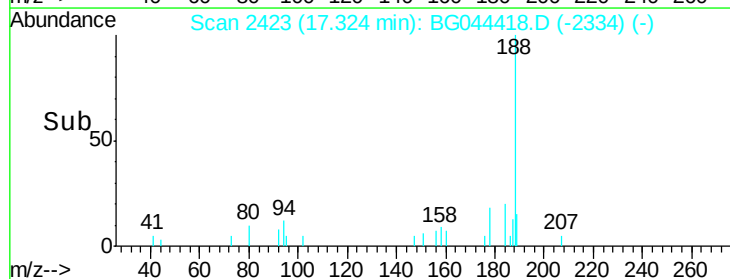
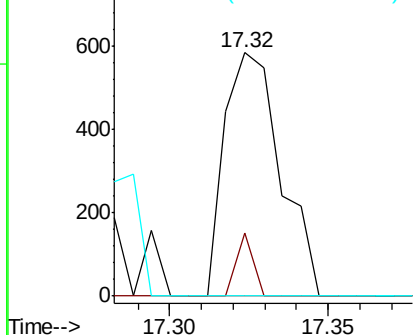


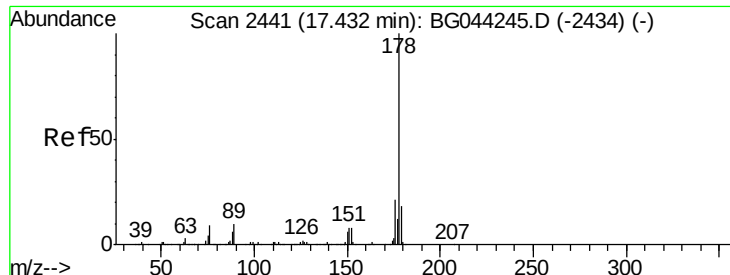
#71
 Phenanthrene
 Concen: 0.030 ng
 RT: 17.32 min Scan# 2423
 Delta R.T. -0.01 min
 Lab File: BG044418.D
 Acq: 12 Feb 2020 21:06

Tgt Ion:178 Resp: 717
 Ion Ratio Lower Upper
 178 100
 176 25.8 17.7 26.5
 179 0.0 13.7 20.5#



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





#72

Anthracene

Concen: 0.005 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.01 min

Lab File: BG044418.D

Acq: 12 Feb 2020 21:06

Instrument :

BNA_G

ClientSampled :

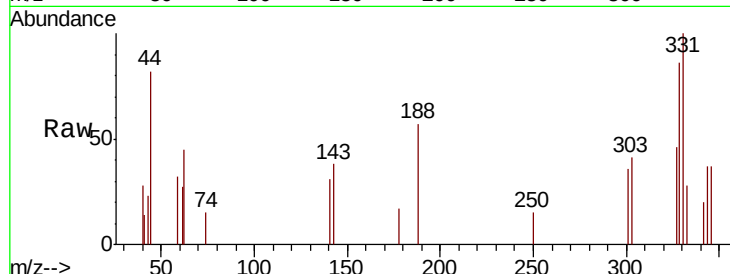
Tot Ion:178 Resp: 121

Ion Ratio Lower Upper

178 100

176 0.0 17.0 25.4#

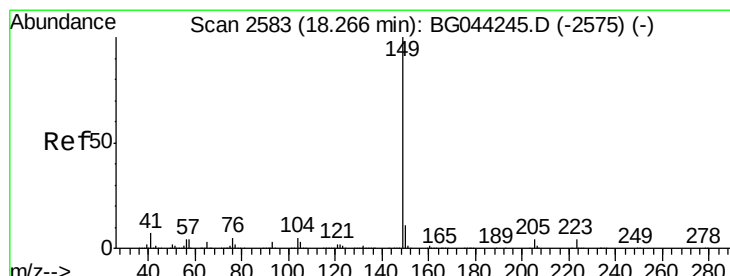
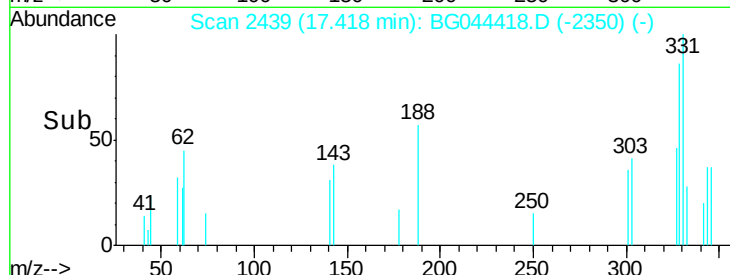
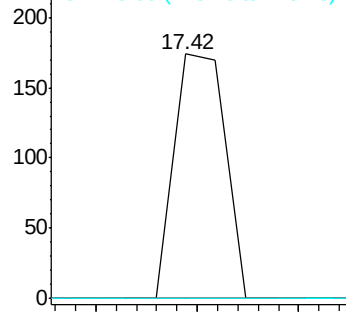
179 0.0 14.4 21.6#



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



#74

Di-n-butylphthalate

Concen: 0.048 ng

RT: 18.25 min Scan# 2581

Delta R.T. -0.01 min

Lab File: BG044418.D

Acq: 12 Feb 2020 21:06

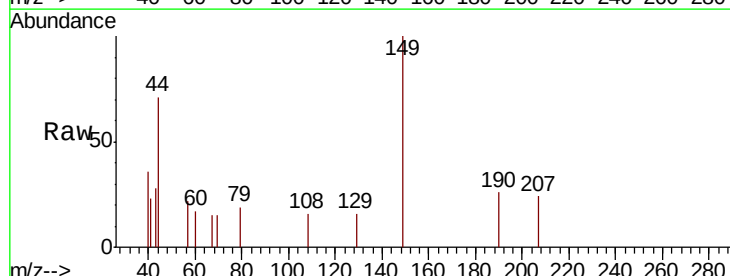
Tgt Ion:149 Resp: 1302

Ion Ratio Lower Upper

149 100

150 0.0 8.7 13.1#

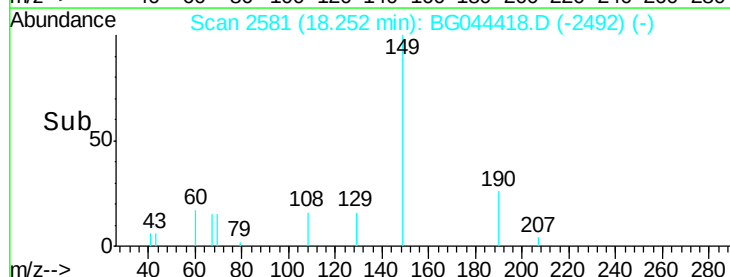
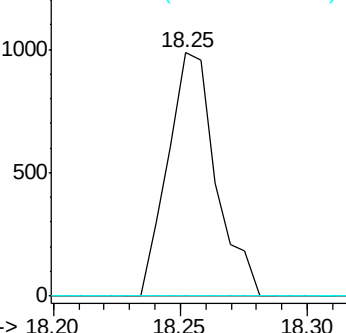
104 0.0 4.3 6.5#

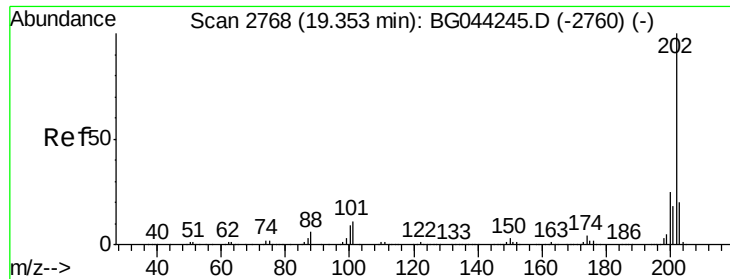


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

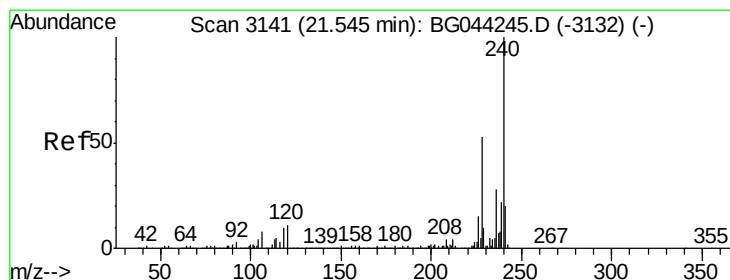
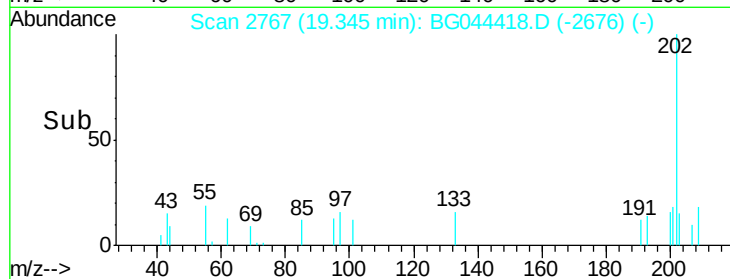
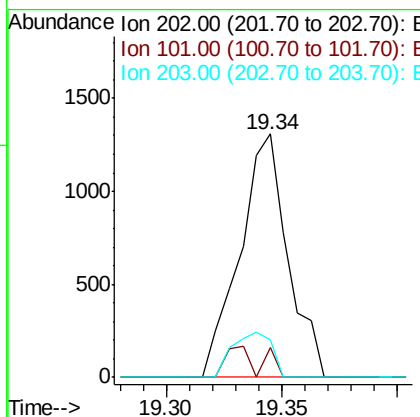
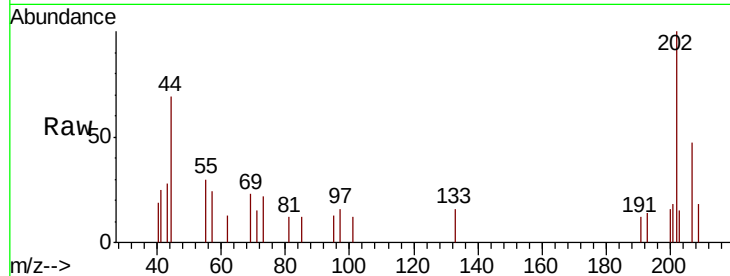




#75
 Fluoranthene
 Concen: 0.068 ng
 RT: 19.34 min Scan# 2767
 Delta R.T. 0.01 min
 Lab File: BG044418.D
 Acq: 12 Feb 2020 21:06

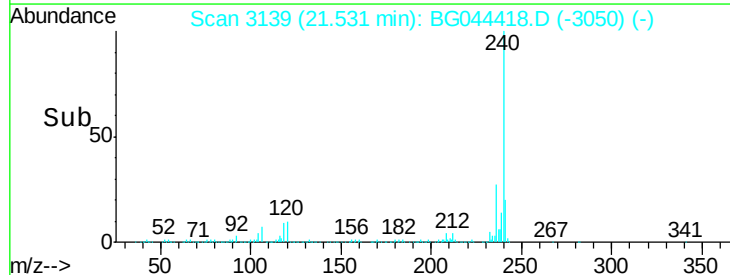
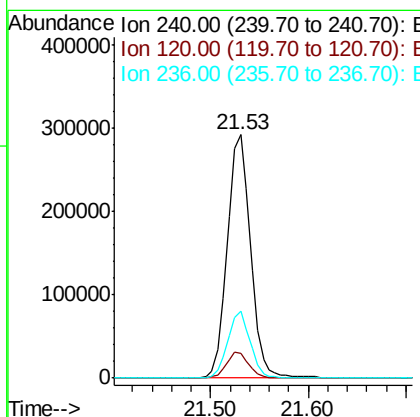
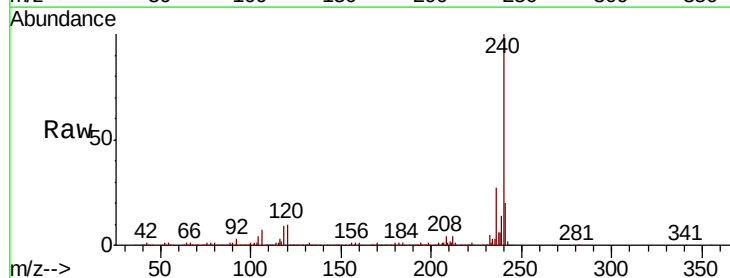
Instrument :
 BNA_G
 ClientSampleId :

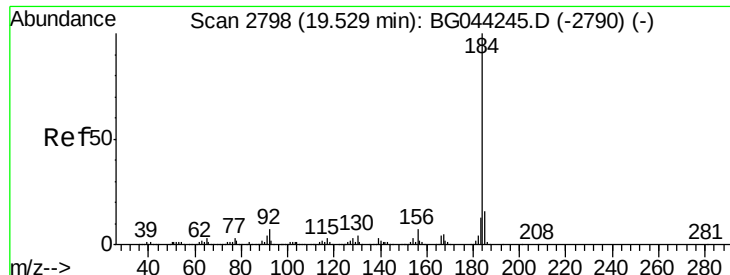
Tot Ion:202 Resp: 1887
 Ion Ratio Lower Upper
 202 100
 101 12.3 0.0 31.3
 203 15.4 0.0 39.9



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.53 min Scan# 3139
 Delta R.T. -0.01 min
 Lab File: BG044418.D
 Acq: 12 Feb 2020 21:06

Tgt Ion:240 Resp: 484469
 Ion Ratio Lower Upper
 240 100
 120 10.4 8.4 12.6
 236 27.4 22.1 33.1





#77

Benzidine

Concen: 2.357 ng

RT: 19.90 min Scan# 2862

Delta R.T. 0.38 min

Lab File: BG044418.D

Acq: 12 Feb 2020 21:06

Instrument :

BNA_G

ClientSampleId :

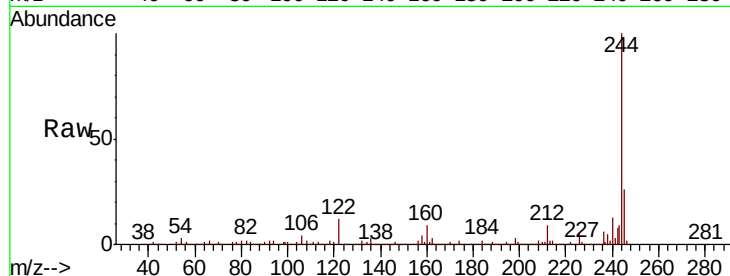
Tot Ion:184 Resp: 31672

Ion Ratio Lower Upper

184 100

185 17.3 12.9 19.3

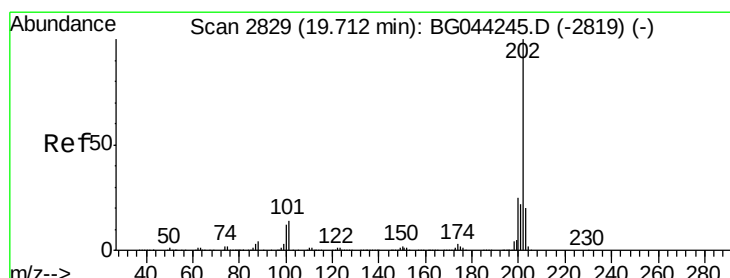
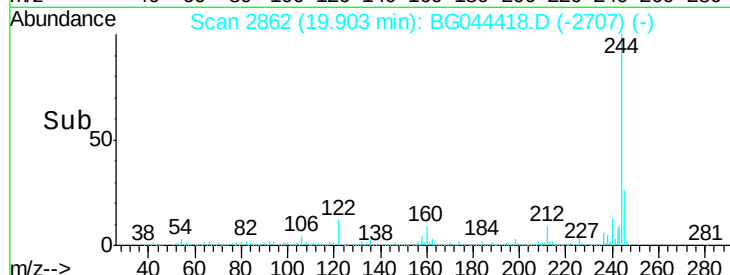
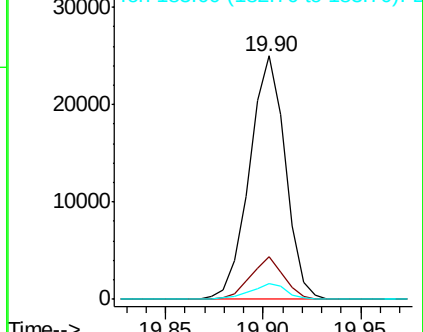
183 6.5 10.8 16.2#



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: 0.068 ng

RT: 19.70 min Scan# 2828

Delta R.T. -0.00 min

Lab File: BG044418.D

Acq: 12 Feb 2020 21:06

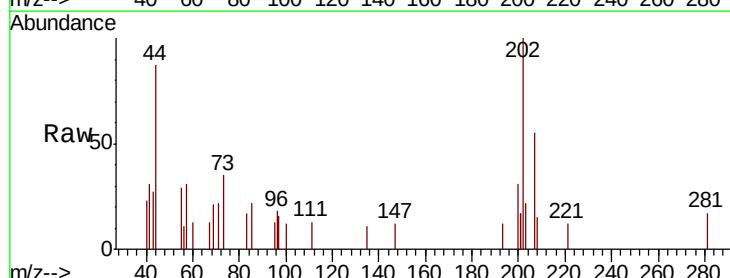
Tgt Ion:202 Resp: 2102

Ion Ratio Lower Upper

202 100

200 30.9 20.0 30.0#

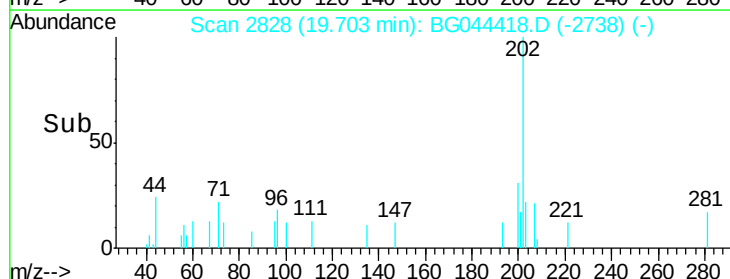
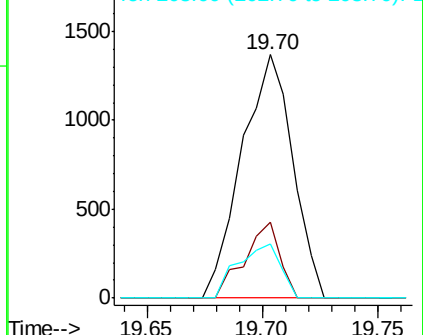
203 22.3 16.2 24.2

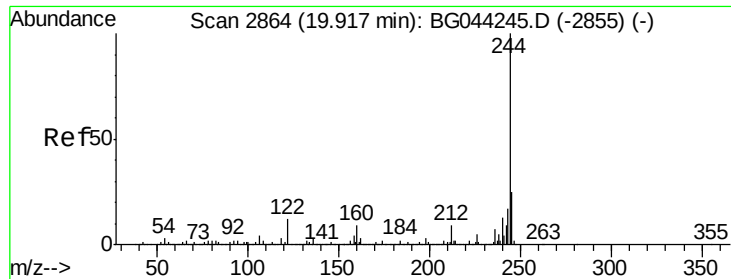


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 79.936 ng

RT: 19.90 min Scan# 2862

Delta R.T. -0.00 min

Lab File: BG044418.D

Acq: 12 Feb 2020 21:06

Instrument :

BNA_G

ClientSampleId :

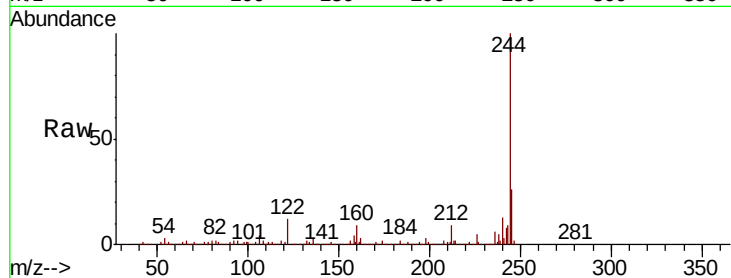
Tot Ion:244 Resp: 1882788

Ion Ratio Lower Upper

244 100

212 9.1 7.4 11.2

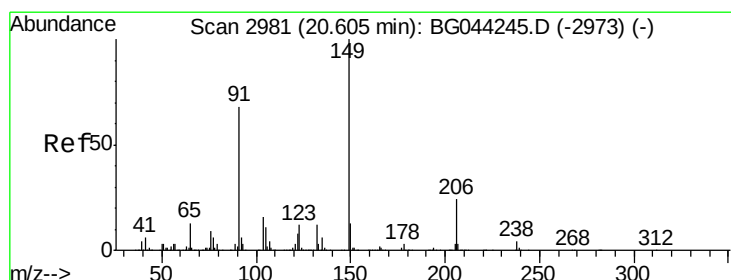
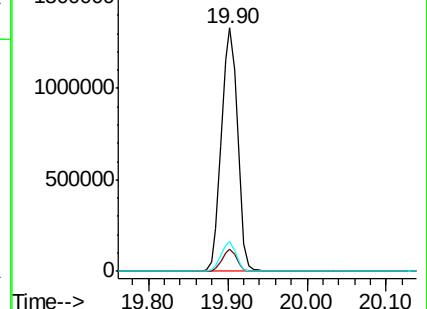
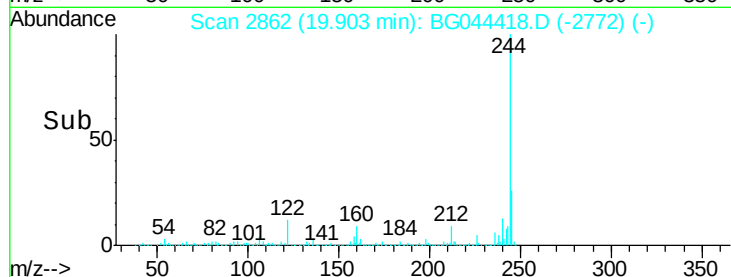
122 12.1 9.8 14.6



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: 0.025 ng

RT: 20.59 min Scan# 2979

Delta R.T. -0.01 min

Lab File: BG044418.D

Acq: 12 Feb 2020 21:06

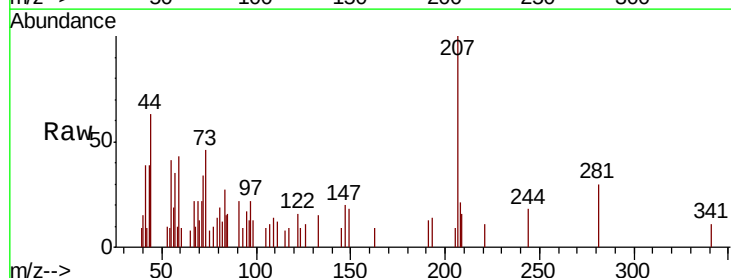
Tgt Ion:149 Resp: 358

Ion Ratio Lower Upper

149 100

91 120.5 54.5 81.7#

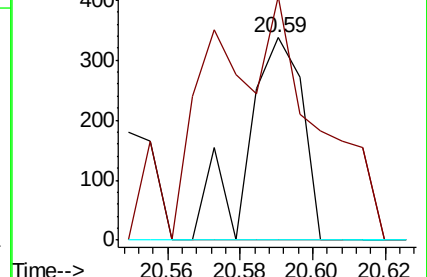
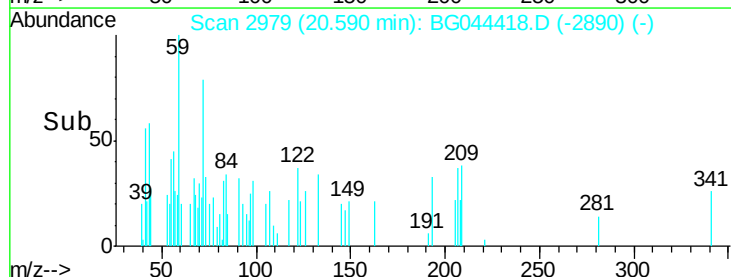
206 0.0 19.1 28.7#

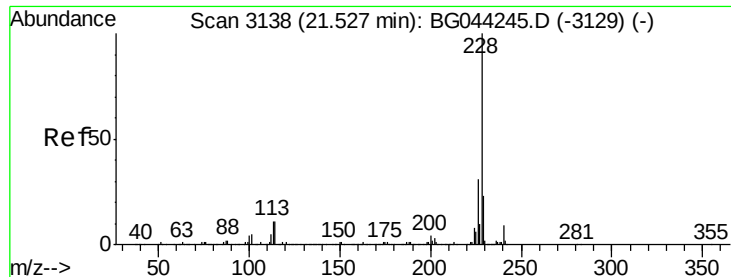


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG0

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 0.086 ng

RT: 21.52 min Scan# 3137

Delta R.T. 0.01 min

Lab File: BG044418.D

Acq: 12 Feb 2020 21:06

Instrument :

BNA_G

ClientSampleId :

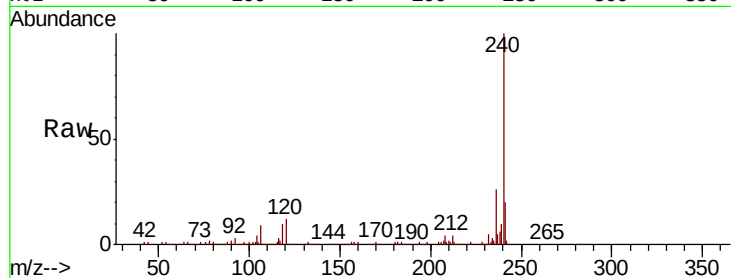
Tot Ion:228 Resp: 2576

Ion Ratio Lower Upper

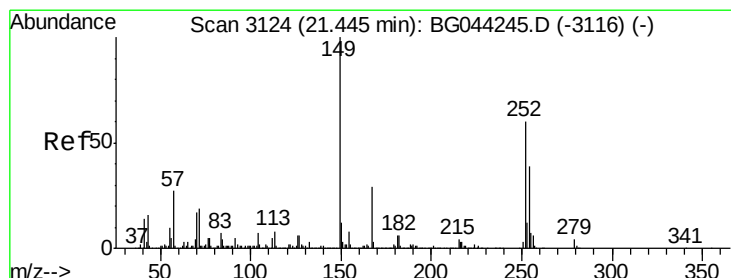
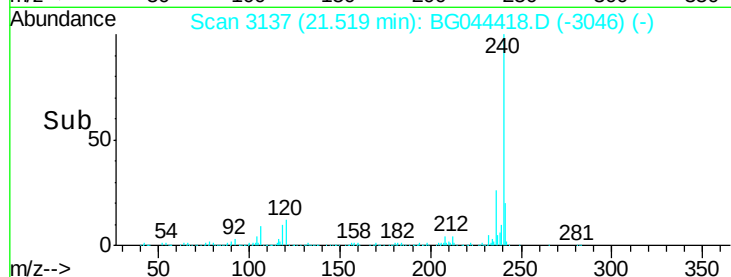
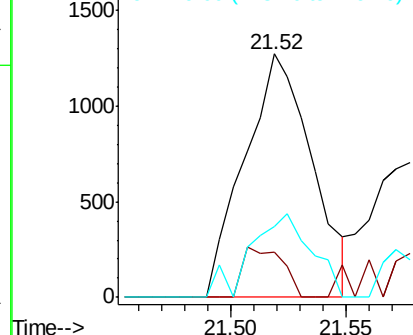
228 100

226 18.5 24.7 37.1#

229 29.0 18.2 27.4#



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



#82

3,3'-Dichlorobenzidine

Concen: 0.005 ng

RT: 21.44 min Scan# 3123

Delta R.T. -0.00 min

Lab File: BG044418.D

Acq: 12 Feb 2020 21:06

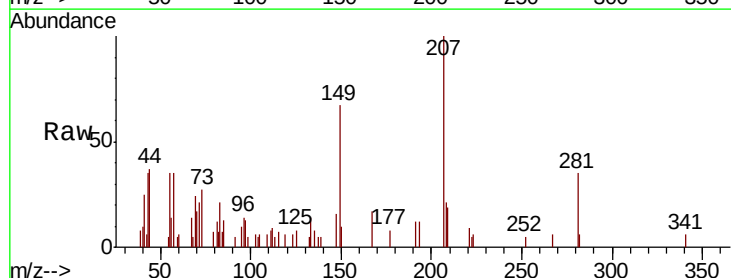
Tgt Ion:252 Resp: 57

Ion Ratio Lower Upper

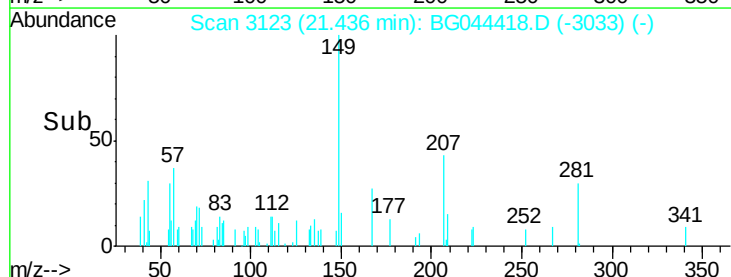
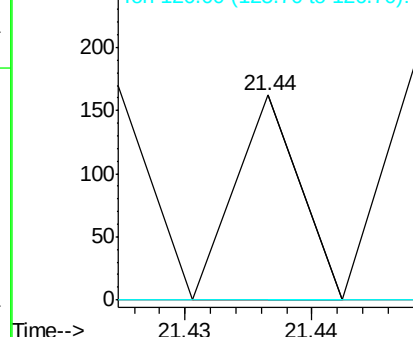
252 100

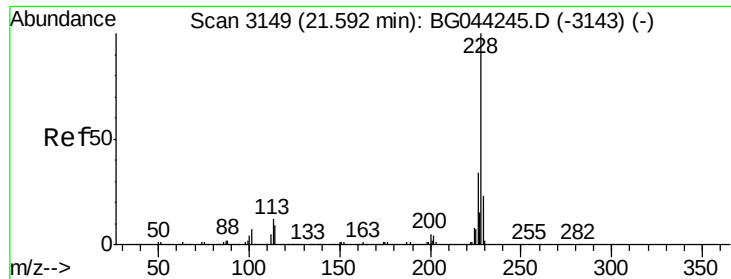
254 0.0 52.6 78.8#

126 0.0 8.2 12.4#



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: 0.046 ng

RT: 21.58 min Scan# 3147

Delta R.T. -0.00 min

Lab File: BG044418.D

Acq: 12 Feb 2020 21:06

Instrument :

BNA_G

ClientSampleId :

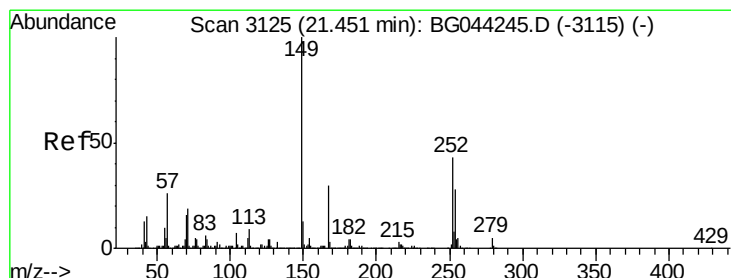
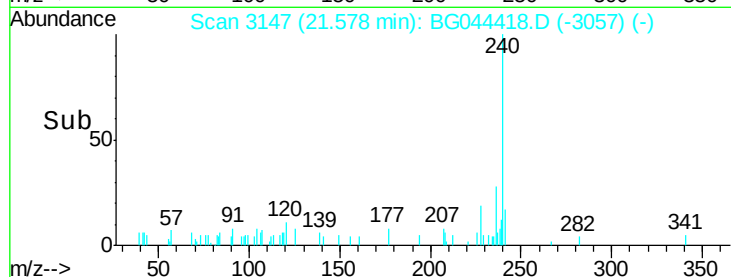
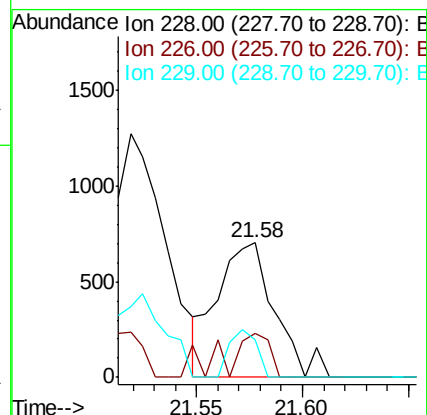
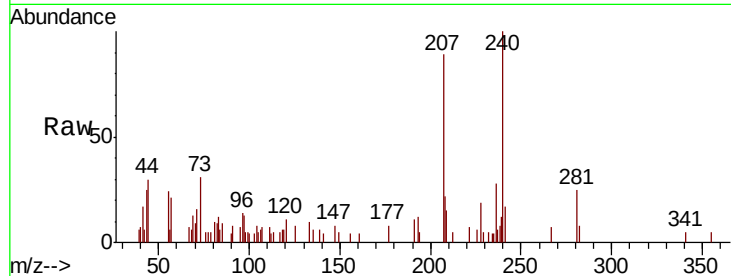
Tot Ion:228 Resp: 1329

Ion Ratio Lower Upper

228 100

226 33.0 27.1 40.7

229 28.3 17.9 26.9#



#84

Bis(2-ethylhexyl)phthalate

Concen: 0.201 ng

RT: 21.44 min Scan# 3123

Delta R.T. -0.00 min

Lab File: BG044418.D

Acq: 12 Feb 2020 21:06

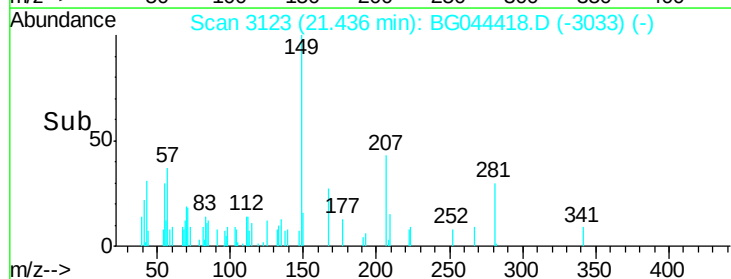
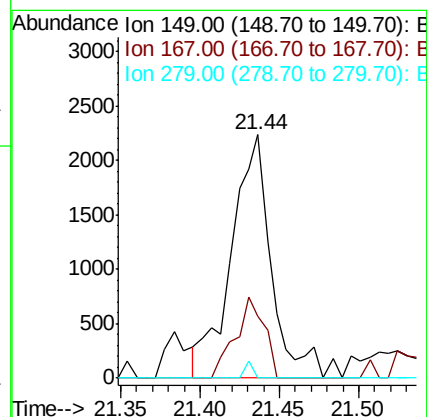
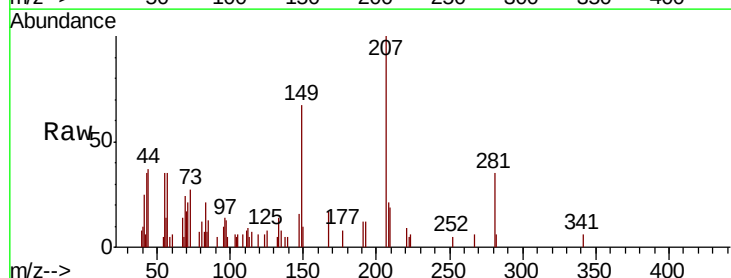
Tgt Ion:149 Resp: 3926

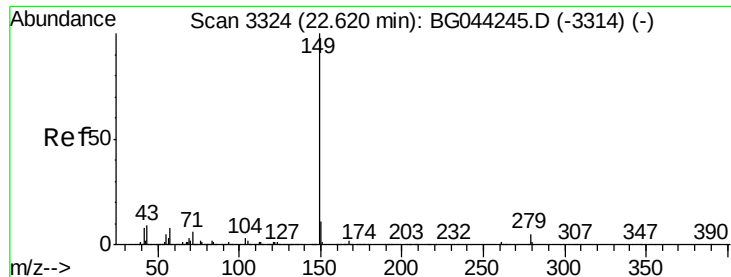
Ion Ratio Lower Upper

149 100

167 25.2 24.0 36.0

279 0.0 3.8 5.8#





#85

Di-n-octyl phthalate

Concen: 0.047 ng

RT: 22.59 min Scan# 3320

Delta R.T. -0.01 min

Lab File: BG044418.D

Acq: 12 Feb 2020 21:06

Instrument :

BNA_G

ClientSampled :

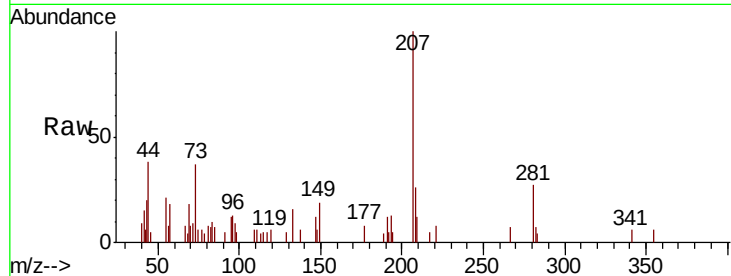
Tot Ion:149 Resp: 1571

Ion Ratio Lower Upper

149 100

167 7.4 1.3 1.9#

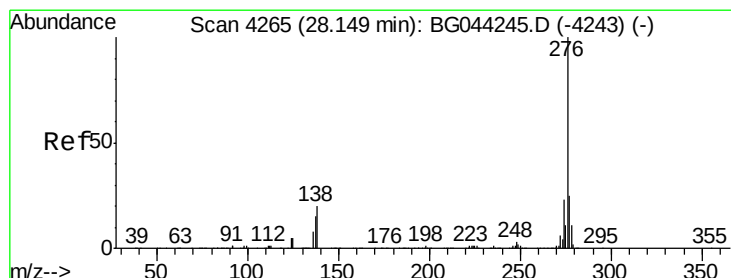
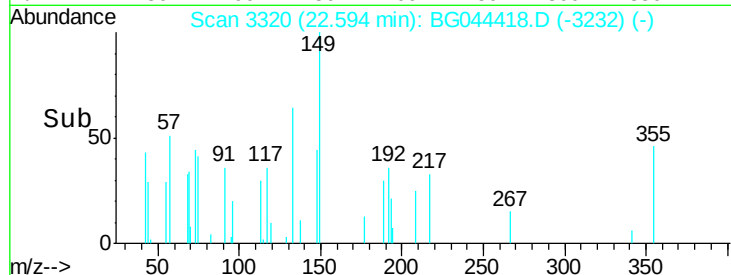
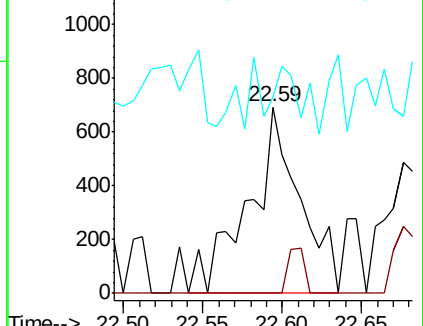
43 0.0 7.4 11.0#



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: 0.009 ng

RT: 28.12 min Scan# 4260

Delta R.T. -0.00 min

Lab File: BG044418.D

Acq: 12 Feb 2020 21:06

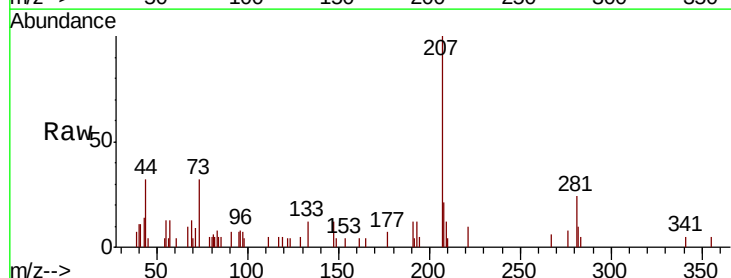
Tgt Ion:276 Resp: 354

Ion Ratio Lower Upper

276 100

138 0.0 19.4 29.0#

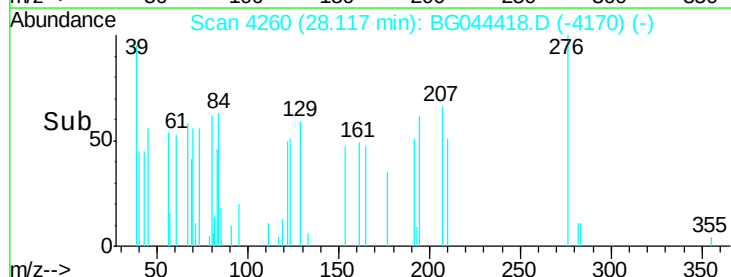
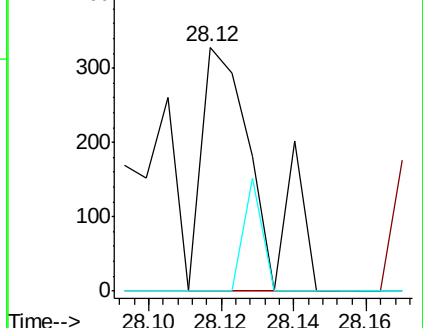
277 15.3 21.0 31.6#

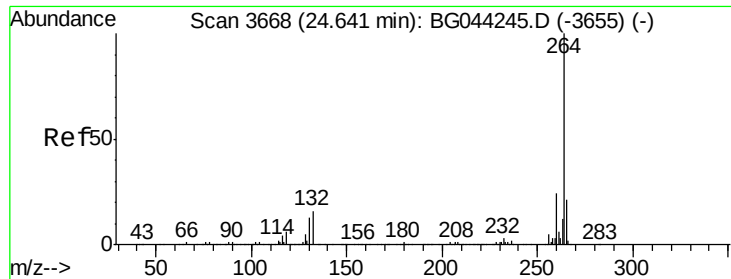


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

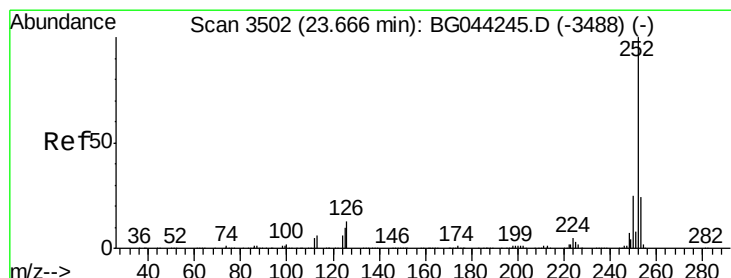
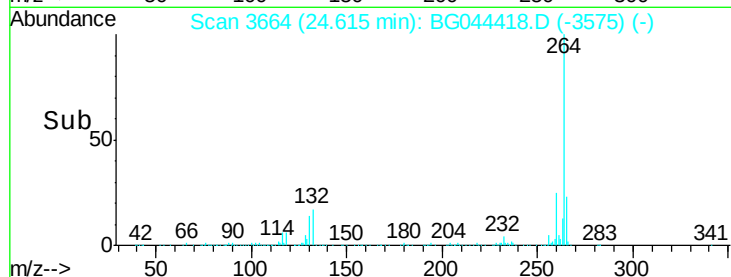
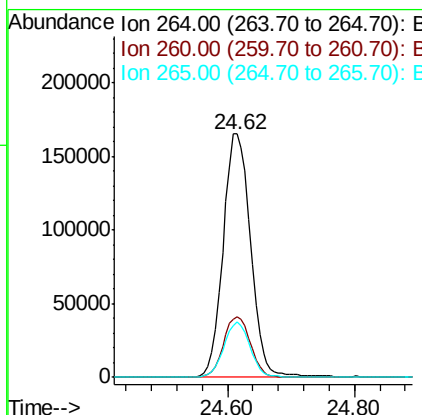
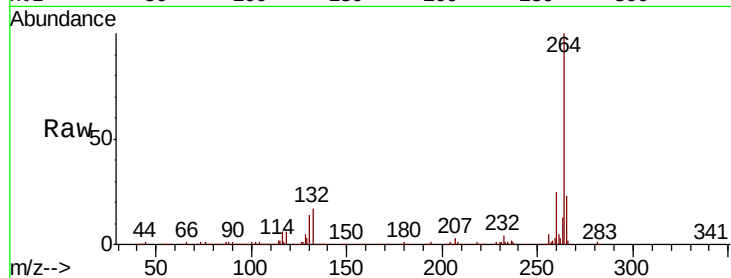




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.62 min Scan# 3664
Delta R.T. -0.01 min
Lab File: BG044418.D
Acq: 12 Feb 2020 21:06

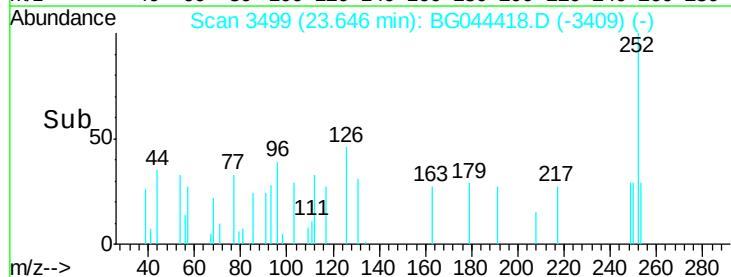
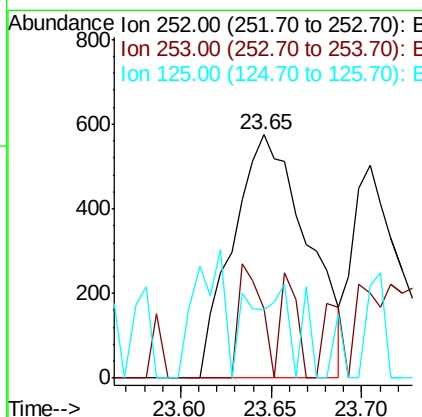
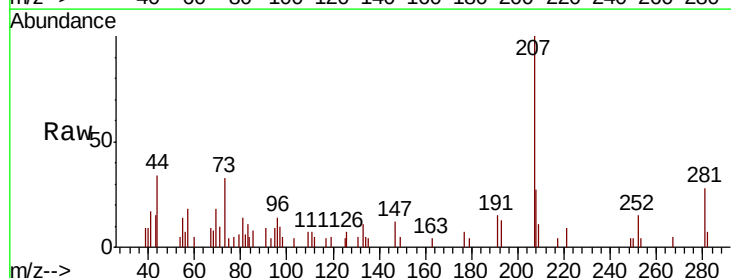
Instrument :
BNA_G
ClientSampleId :

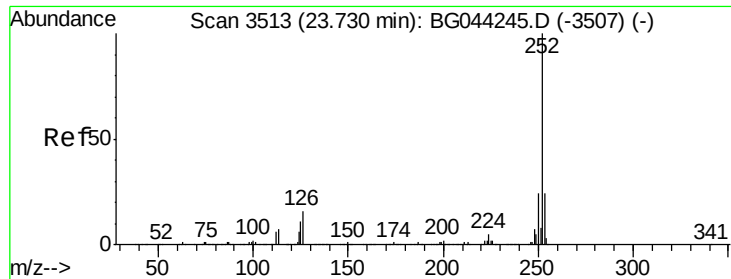
Tot Ion:264 Resp: 497968
Ion Ratio Lower Upper
264 100
260 24.8 19.4 29.2
265 22.6 16.7 25.1



#88
Benzo(b)fluoranthene
Concen: 0.057 ng
RT: 23.65 min Scan# 3499
Delta R.T. -0.00 min
Lab File: BG044418.D
Acq: 12 Feb 2020 21:06

Tgt Ion:252 Resp: 1643
Ion Ratio Lower Upper
252 100
253 28.5 19.2 28.8
125 28.0 8.4 12.6#

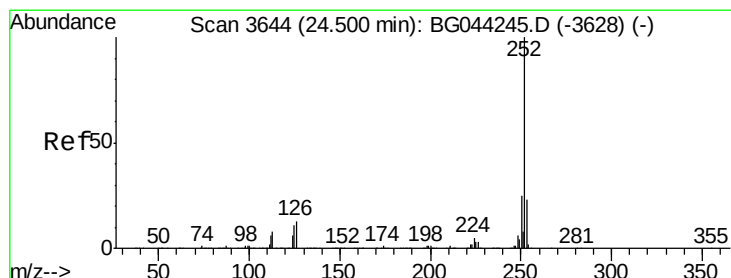
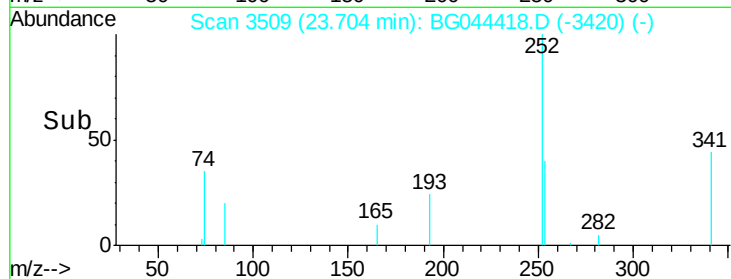
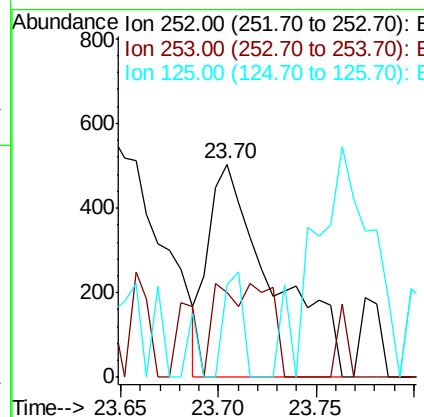
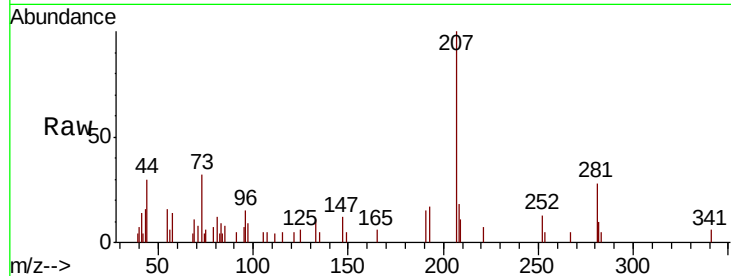




#89
Benzo(k)fluoranthene
Concen: 0.042 ng
RT: 23.70 min Scan# 3509
Delta R.T. -0.01 min
Lab File: BG044418.D
Acq: 12 Feb 2020 21:06

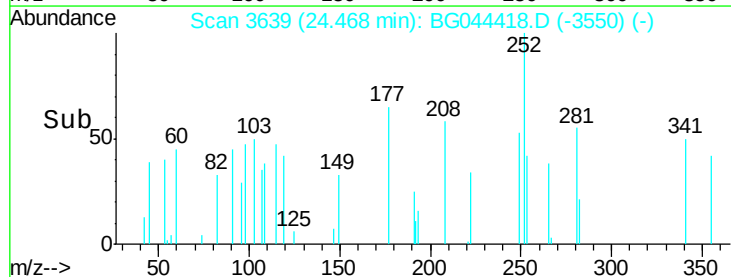
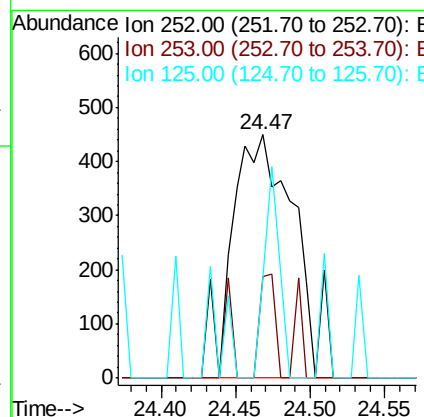
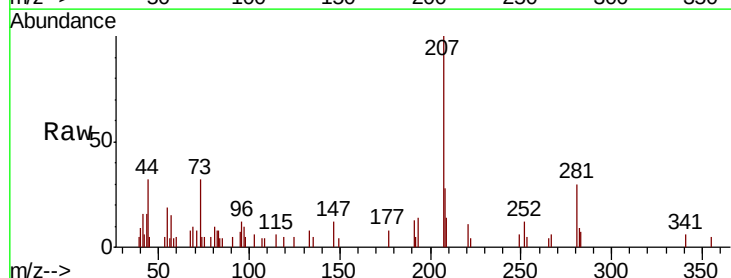
Instrument :
BNA_G
ClientSampleId :

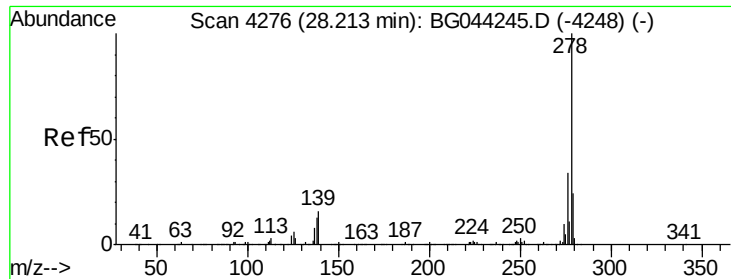
Tot Ion:252 Resp: 1169
Ion Ratio Lower Upper
252 100
253 40.1 19.1 28.7#
125 43.5 8.6 12.8#



#90
Benzo(a)pyrene
Concen: 0.049 ng
RT: 24.47 min Scan# 3639
Delta R.T. -0.01 min
Lab File: BG044418.D
Acq: 12 Feb 2020 21:06

Tgt Ion:252 Resp: 1331
Ion Ratio Lower Upper
252 100
253 41.8 18.1 27.1#
125 41.3 8.6 13.0#

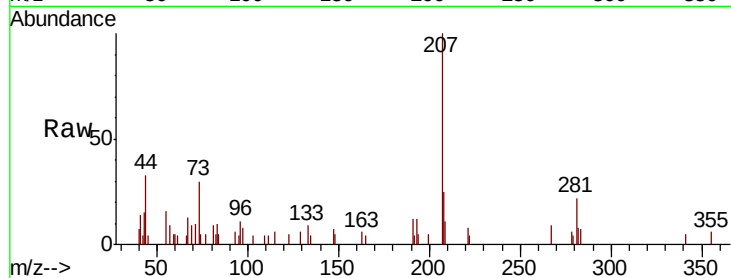




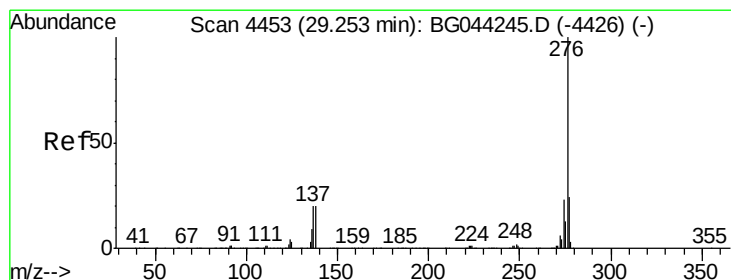
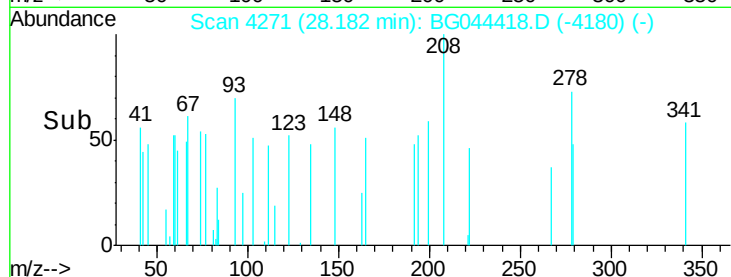
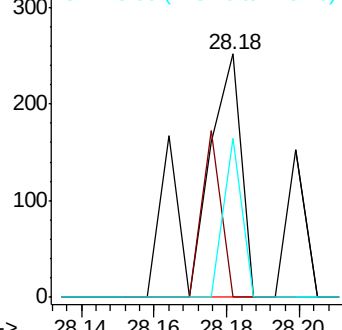
#91
Dibenzo(a,h)anthracene
Concen: 0.008 ng
RT: 28.18 min Scan# 4271
Delta R.T. 0.01 min
Lab File: BG044418.D
Acq: 12 Feb 2020 21:06

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.7	19.1#
279	65.1	19.3	28.9#

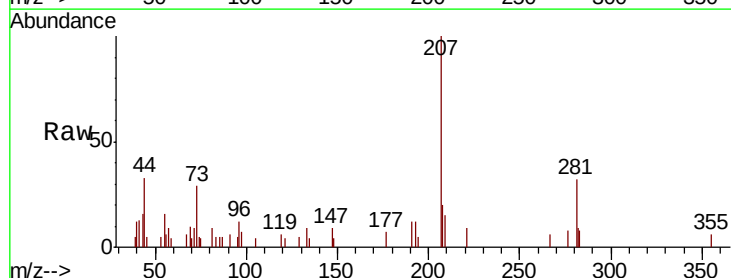


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 0.012 ng
RT: 29.19 min Scan# 4442
Delta R.T. -0.02 min
Lab File: BG044418.D
Acq: 12 Feb 2020 21:06

Tgt Ion	Ratio	Lower	Upper
276	100		
277	0.0	18.8	28.2#
138	0.0	16.2	24.2#



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

