

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG013120\
 Data File : BG044257.D
 Acq On : 31 Jan 2020 13:03
 Operator : CG/JU
 Sample : L1319-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 31 23:28:39 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 30 16:05:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	69083	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	308795	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	227740	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	521628	20.00	ng	0.00
76) Chrysene-d12	21.54	240	455988	20.00	ng	0.00
87) Perylene-d12	24.64	264	515223	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	450204	115.01	ng	0.00
7) Phenol-d6	7.08	99	633864	120.59	ng	0.00
23) Nitrobenzene-d5	9.07	82	380801	69.62	ng	0.00
42) 2,4,6-Tribromophenol	16.04	330	273768	102.40	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	932476	68.56	ng	0.00
79) Terphenyl-d14	19.91	244	1551333	69.98	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.36	88	329	0.187	ng	# 66
3) Pyridine	3.78	79	79	0.017	ng	# 1
4) n-Nitrosodimethylamine	3.72	42	167	0.085	ng	# 1
6) Aniline	7.35	93	55	0.008	ng	# 45
9) Benzaldehyde	7.04	77	72	0.024	ng	# 1
10) Phenol	7.11	94	4064	0.781	ng	# 32
11) bis(2-Chloroethyl)ether	7.35	93	55	0.012	ng	# 24
15) Benzyl Alcohol	8.24	79	6039	1.623	ng	# 48
16) 2,2'-oxybis(1-Chloropropan	8.64	45	80	0.013	ng	# 67
18) Hexachloroethane	9.48	117	69	0.036	ng	# 1
19) n-Nitroso-di-n-propylamine	9.07	70	48778	13.924	ng	# 75
22) Acetophenone	8.74	105	58	0.008	ng	# 1
24) Nitrobenzene	9.08	77	1086	0.203	ng	# 37
25) Isophorone	9.58	82	197	0.019	ng	# 64
28) bis(2-Chloroethoxy)methane	10.38	93	71	0.010	ng	# 1
31) Naphthalene	10.77	128	572	0.038	ng	# 67
37) 2-Methylnaphthalene	12.40	142	194	0.017	ng	# 78
38) 1-Methylnaphthalene	12.61	142	111	0.011	ng	# 58
46) 1,1'-Biophenyl	13.39	154	2234	0.136	ng	# 88
48) 2-Nitroaniline	14.00	65	89	0.023	ng	# 1
49) Acenaphthylene	14.28	152	115	0.006	ng	# 58
50) Dimethylphthalate	14.01	163	39211	2.395	ng	# 99
51) 2,6-Dinitrotoluene	14.55	165	29838	8.175	ng	# 30
52) Acenaphthene	14.62	154	233	0.019	ng	# 50
55) Dibenzofuran	14.95	168	772	0.041	ng	# 45
56) 4-Nitrophenol	14.96	139	69	0.023	ng	# 11
57) 2,4-Dinitrotoluene	14.55	165	29838	5.832	ng	# 28
58) Fluorene	16.04	166	11912	0.804	ng	# 89
63) Azobenzene	15.82	77	64	0.004	ng	# 48
65) 4,6-Dinitro-2-methylphenol	16.04	198	866	0.301	ng	# 1
66) n-Nitrosodiphenylamine	16.04	169	10005	0.684	ng	# 49
67) 4-Bromophenyl-phenylether	16.04	248	19107	3.362	ng	# 1
71) Phenanthrene	17.34	178	17050	0.675	ng	# 95
72) Anthracene	17.34	178	17050	0.683	ng	# 95

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

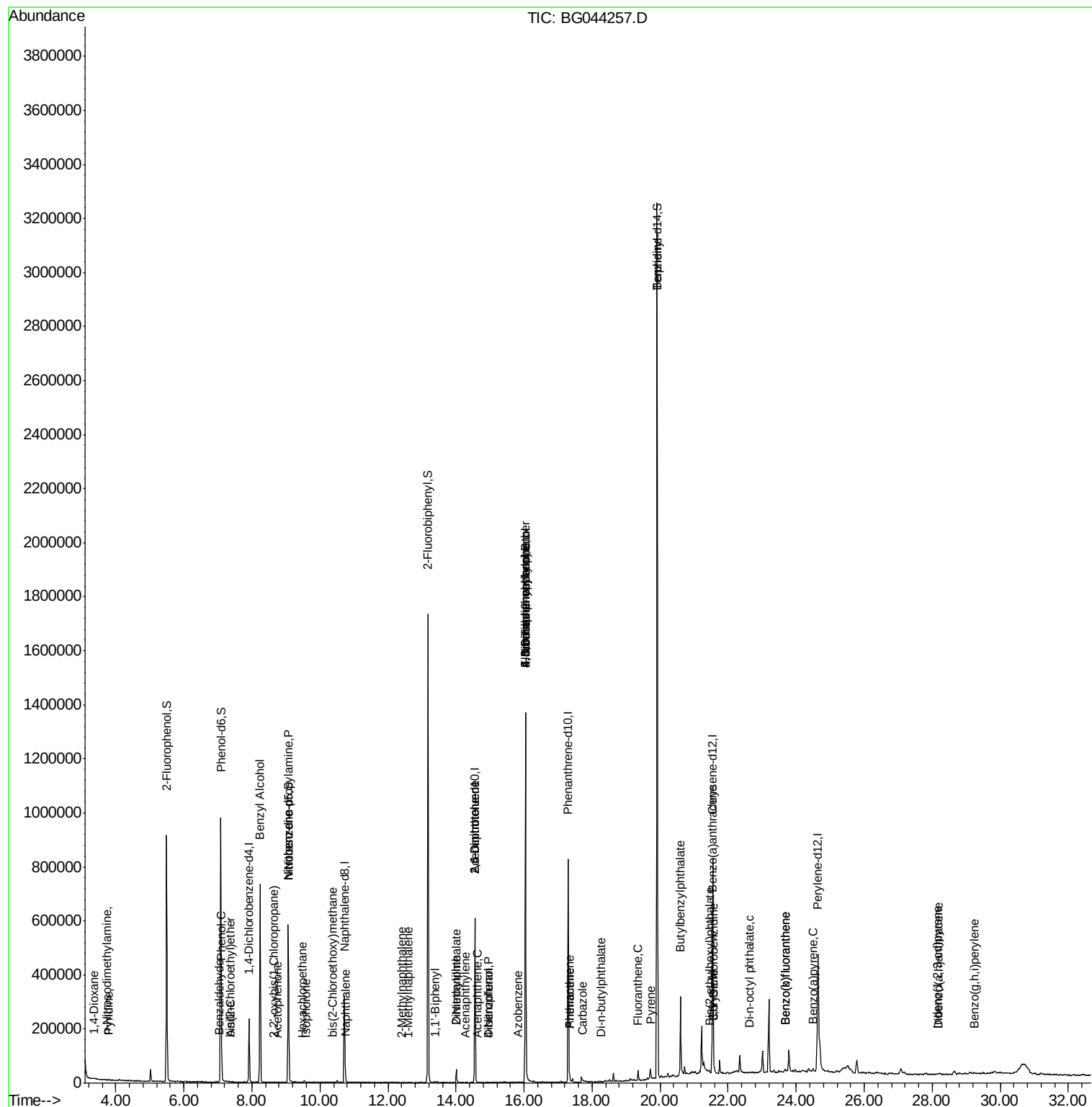
73) Carbazole	17.71	167	834	0.036	nq	# 56
74) Di-n-butylphthalate	18.27	149	846	0.030	nq	# 49
75) Fluoranthene	19.35	202	25307	0.866	nq	96
77) Benzidine	19.91	184	25259	1.997	nq	# 90
78) Pyrene	19.71	202	22403	0.765	nq	95
80) Butylbenzylphthalate	20.60	149	810	0.061	nq	# 7
81) Benzo(a)anthracene	21.53	228	12473	0.444	nq	97
82) 3,3'-Dichlorobenzidine	21.58	252	62	0.006	nq	# 25
83) Chrysene	21.58	228	10801	0.398	nq	96
84) Bis(2-ethylhexyl)phthalate	21.44	149	2901	0.158	nq	# 86
85) Di-n-octyl phthalate	22.62	149	898	0.028	nq	# 1
86) Indeno(1,2,3-cd)pyrene	28.14	276	2343	0.066	nq	# 88
88) Benzo(b)fluoranthene	23.67	252	14146	0.476	nq	# 96
89) Benzo(k)fluoranthene	23.67	252	14146	0.489	nq	# 96
90) Benzo(a)pyrene	24.50	252	12480	0.445	nq	# 87
91) Dibenzo(a,h)anthracene	28.19	278	568	0.020	nq	# 56
92) Benzo(g,h,i)perylene	29.24	276	2877	0.103	nq	# 77

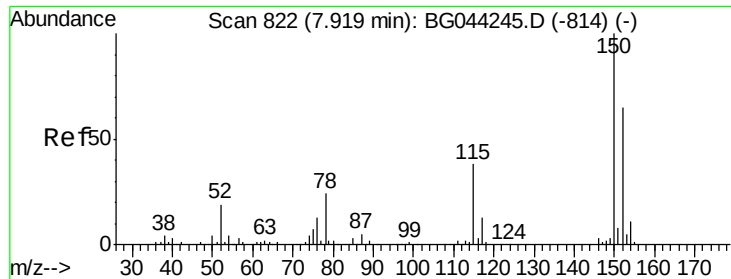
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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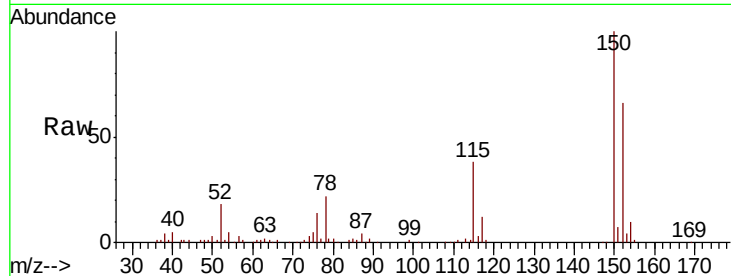


#1

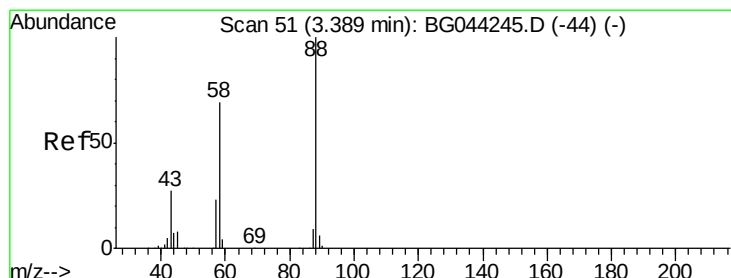
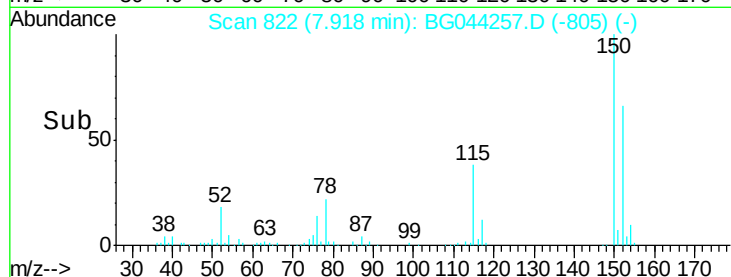
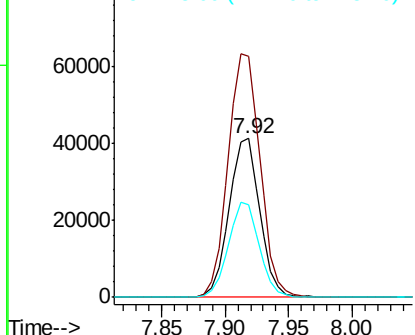
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.92 min Scan# 822
Delta R.T. -0.00 min
Lab File: BG044257.D
Acq: 31 Jan 2020 13:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.2	122.6	183.8
115	58.5	46.0	69.0



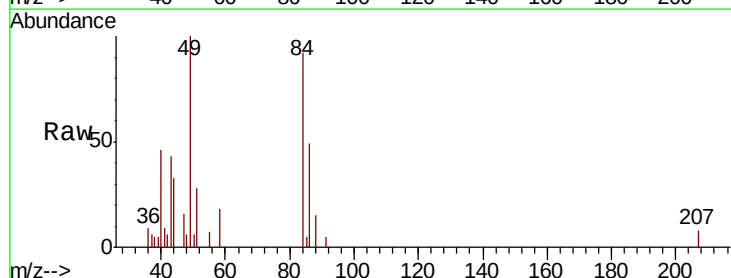
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



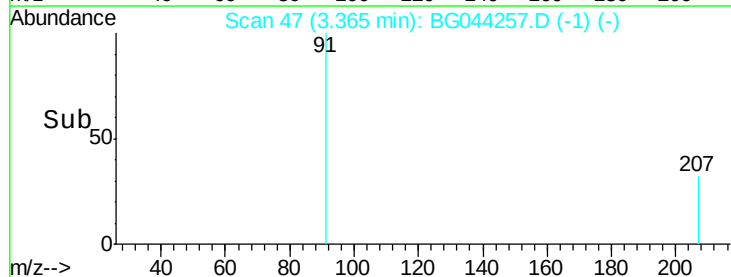
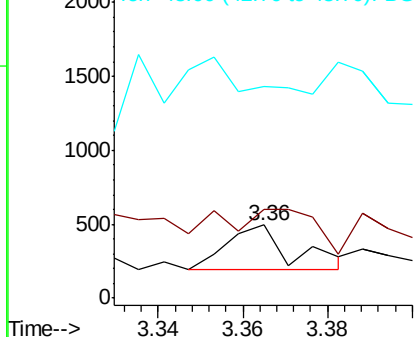
#2

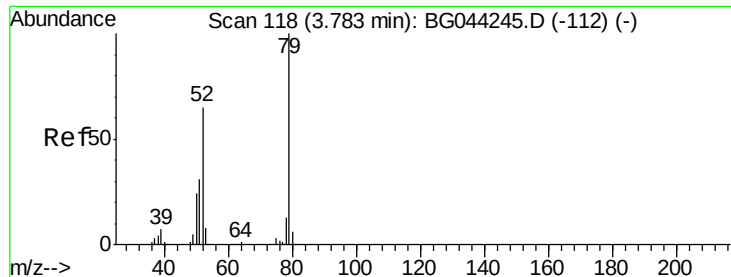
1,4-Dioxane
Concen: 0.187 ng
RT: 3.36 min Scan# 47
Delta R.T. -0.02 min
Lab File: BG044257.D
Acq: 31 Jan 2020 13:03

Tgt Ion	Ratio	Lower	Upper
88	100		
58	91.5	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: 0.017 ng

RT: 3.78 min Scan# 117

Delta R.T. -0.01 min

Lab File: BG044257.D

Acq: 31 Jan 2020 13:03

Instrument :

BNA_G

ClientSampleId :

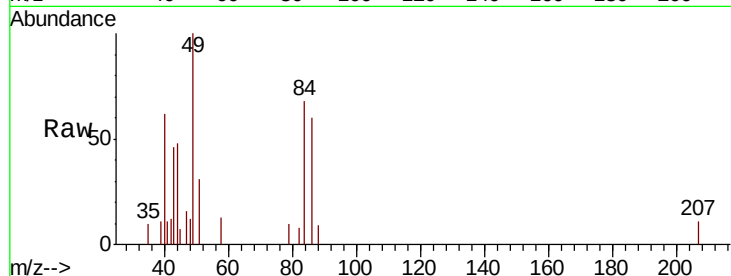
Tot Ion: 79 Resp: 79

Ion Ratio Lower Upper

79 100

52 0.0 51.9 77.9#

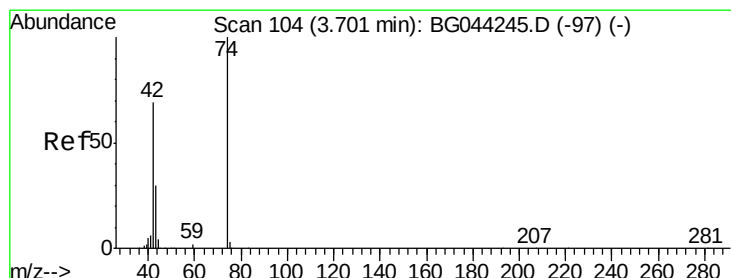
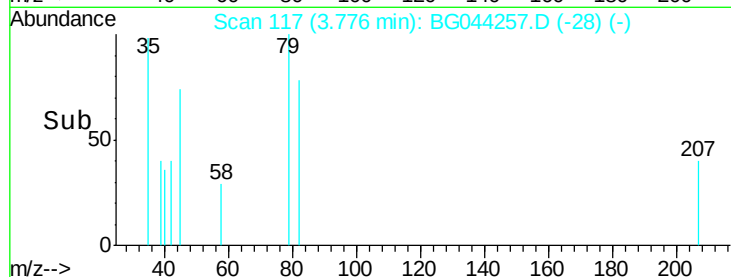
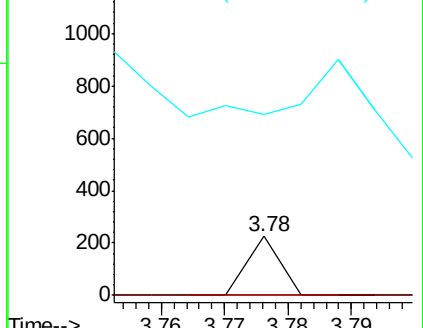
51 307.6 25.3 37.9#



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: 0.085 ng

RT: 3.72 min Scan# 108

Delta R.T. 0.02 min

Lab File: BG044257.D

Acq: 31 Jan 2020 13:03

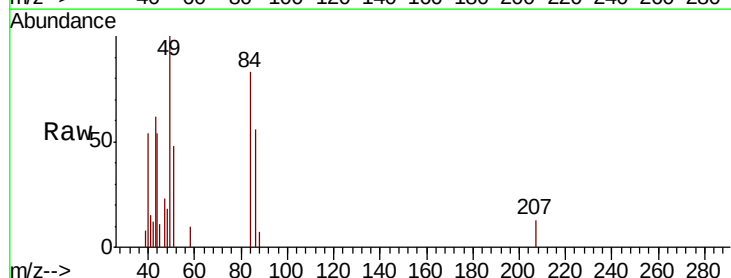
Tgt Ion: 42 Resp: 167

Ion Ratio Lower Upper

42 100

74 0.0 115.1 172.7#

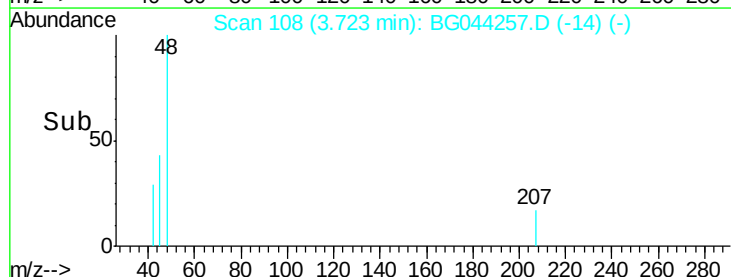
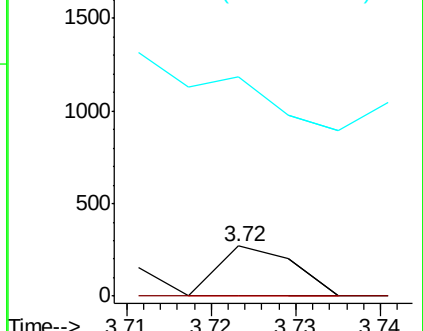
44 439.8 5.6 8.4#

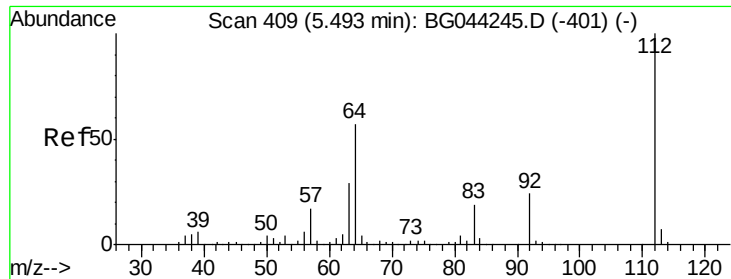


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 115.012 ng

RT: 5.49 min Scan# 409

Delta R.T. -0.00 min

Lab File: BG044257.D

Acq: 31 Jan 2020 13:03

Instrument :

BNA_G

ClientSampleId :

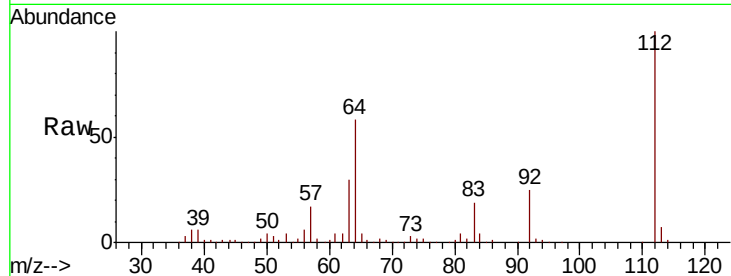
Tot Ion:112 Resp: 450204

Ion Ratio Lower Upper

112 100

64 57.7 45.4 68.2

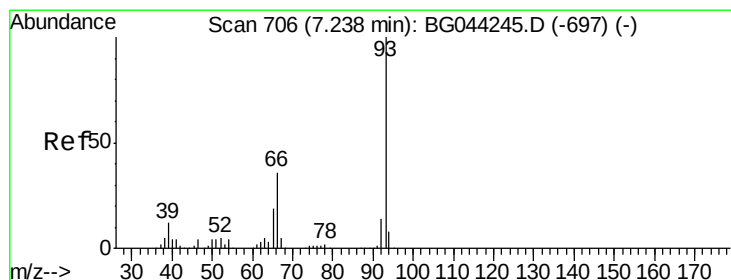
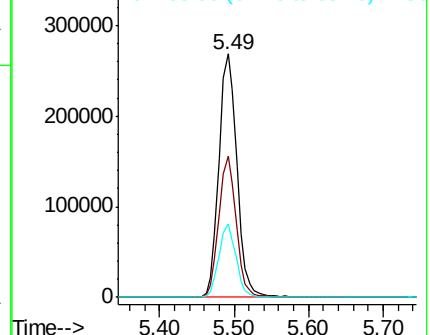
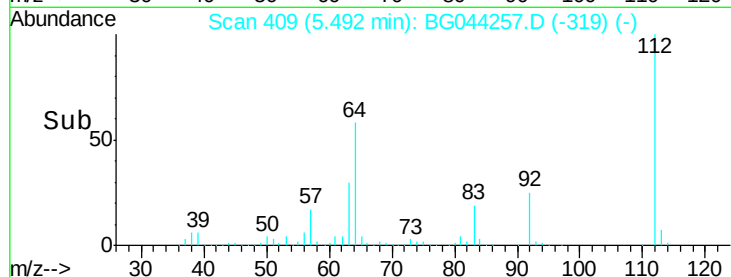
63 30.0 22.9 34.3



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: 0.008 ng

RT: 7.35 min Scan# 726

Delta R.T. 0.12 min

Lab File: BG044257.D

Acq: 31 Jan 2020 13:03

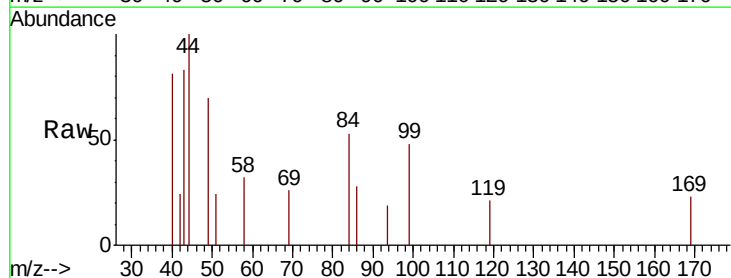
Tgt Ion: 93 Resp: 55

Ion Ratio Lower Upper

93 100

66 0.0 28.7 43.1#

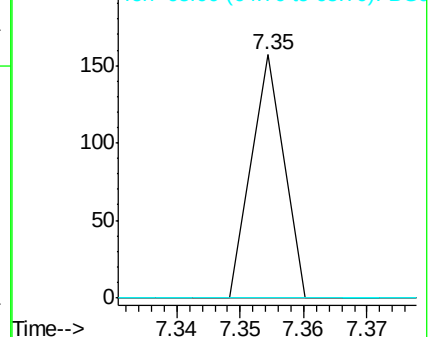
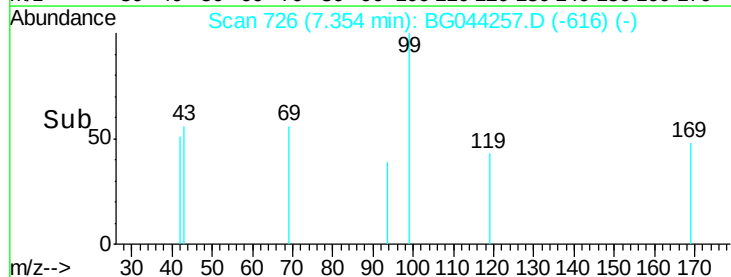
65 0.0 15.4 23.0#

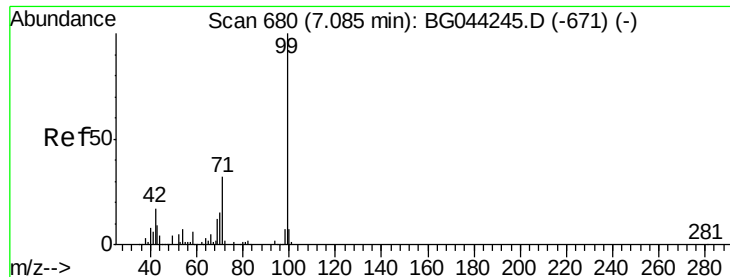


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 120.588 ng

RT: 7.08 min Scan# 680

Delta R.T. -0.00 min

Lab File: BG044257.D

Acq: 31 Jan 2020 13:03

Instrument :

BNA_G

ClientSampleId :

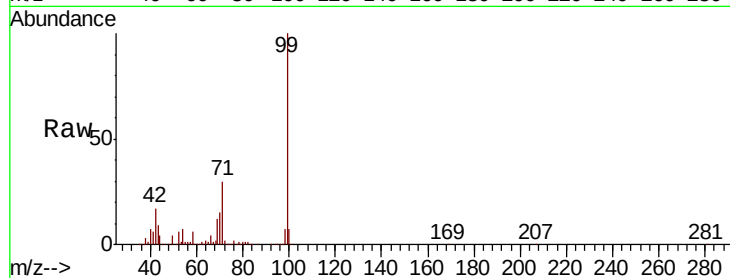
Tot Ion: 99 Resp: 633864

Ion Ratio Lower Upper

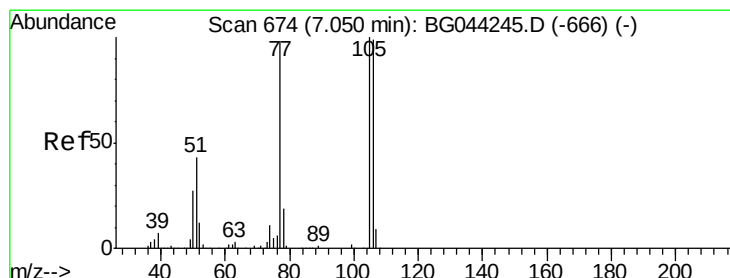
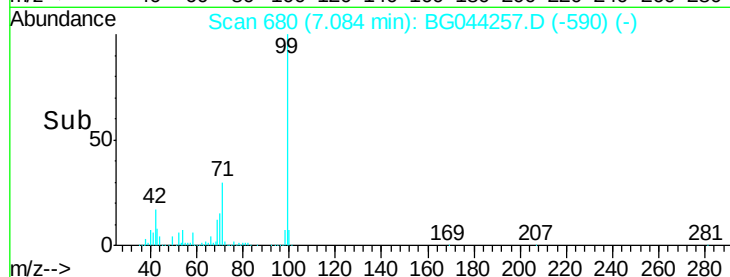
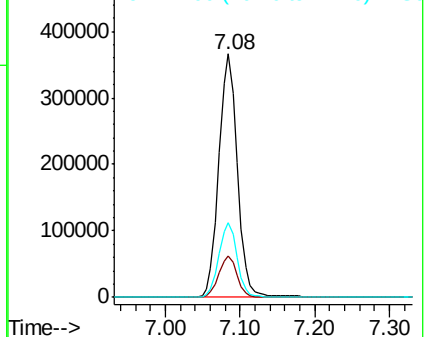
99 100

42 17.0 13.8 20.6

71 30.5 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: 0.024 ng

RT: 7.04 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG044257.D

Acq: 31 Jan 2020 13:03

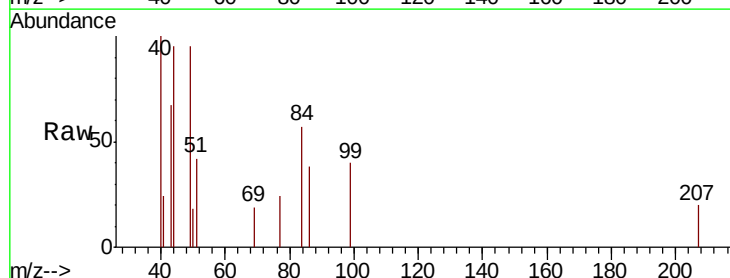
Tgt Ion: 77 Resp: 72

Ion Ratio Lower Upper

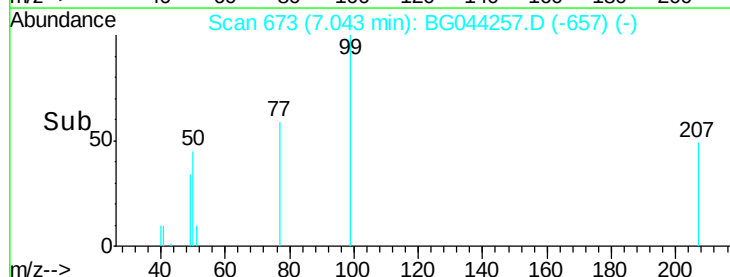
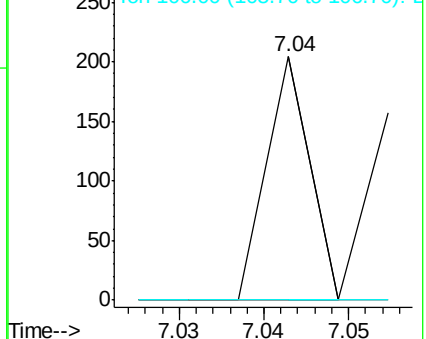
77 100

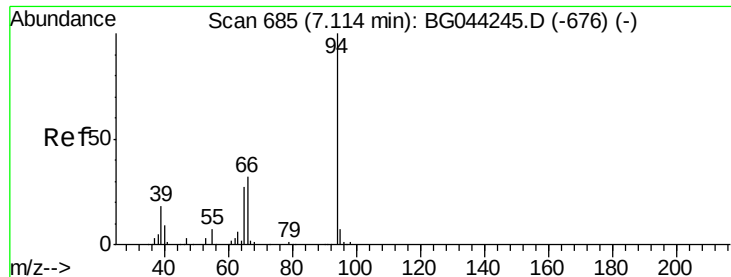
105 0.0 82.0 122.0#

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: 0.781 ng

RT: 7.11 min Scan# 684

Delta R.T. -0.01 min

Lab File: BG044257.D

Acq: 31 Jan 2020 13:03

Instrument :

BNA_G

ClientSampleId :

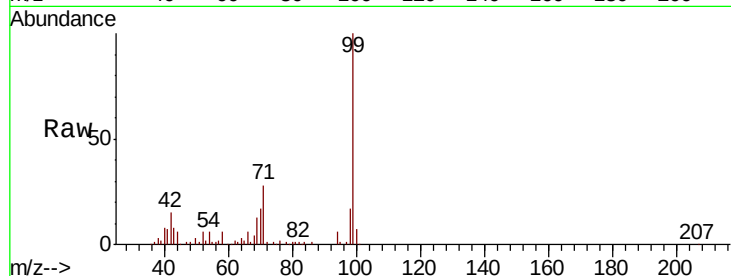
Tot Ion: 94 Resp: 4064

Ion Ratio Lower Upper

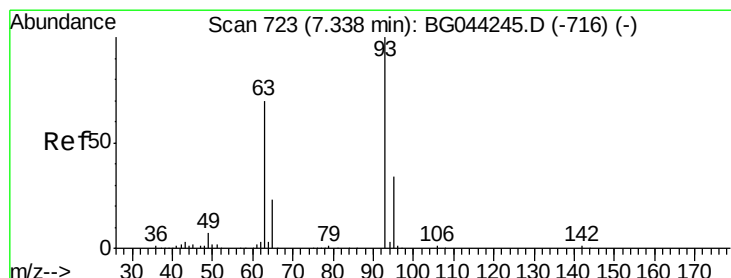
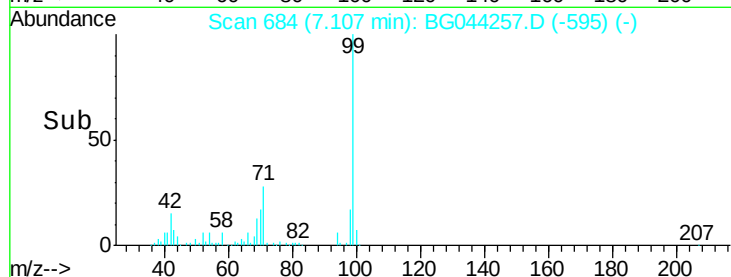
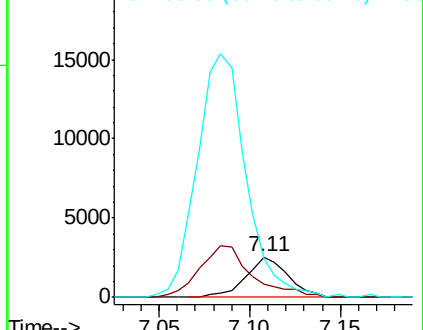
94 100

65 33.7 7.0 47.0

66 96.7 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: 0.012 ng

RT: 7.35 min Scan# 726

Delta R.T. 0.02 min

Lab File: BG044257.D

Acq: 31 Jan 2020 13:03

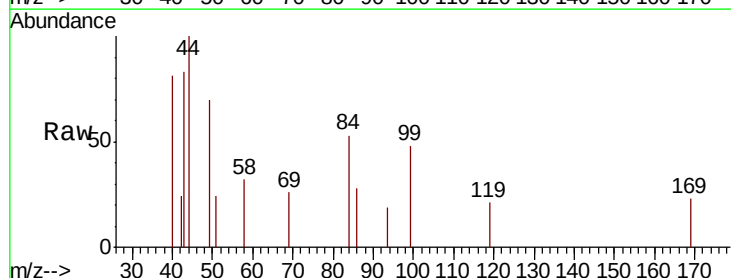
Tgt Ion: 93 Resp: 55

Ion Ratio Lower Upper

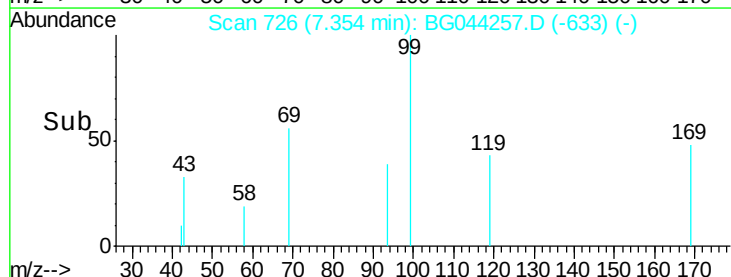
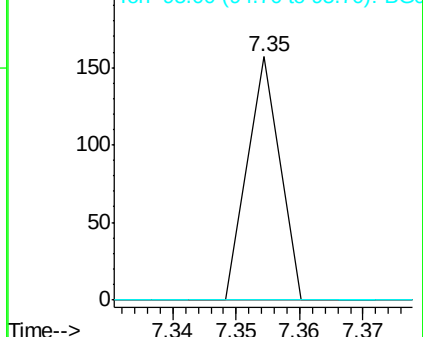
93 100

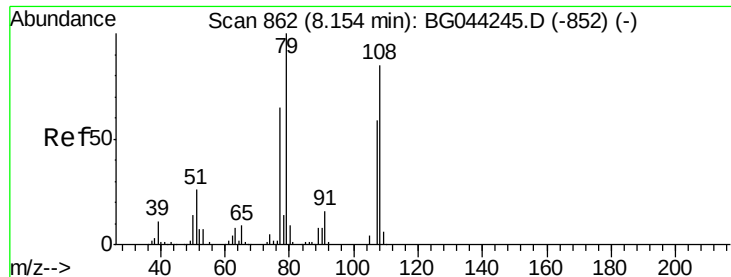
63 0.0 49.2 89.2#

95 0.0 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





#15

Benzyl Alcohol

Concen: 1.623 ng

RT: 8.24 min Scan# 877

Delta R.T. 0.09 min

Lab File: BG044257.D

Acq: 31 Jan 2020 13:03

Instrument :

BNA_G

ClientSampled :

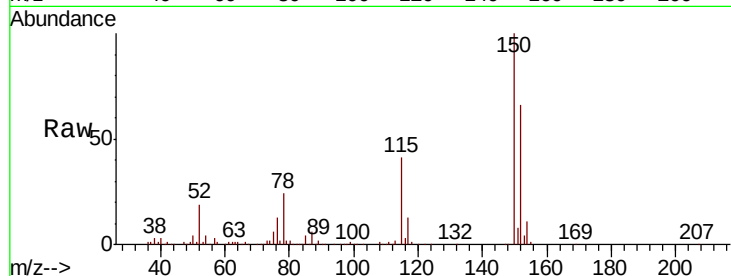
Tot Ion: 79 Resp: 6039

Ion Ratio Lower Upper

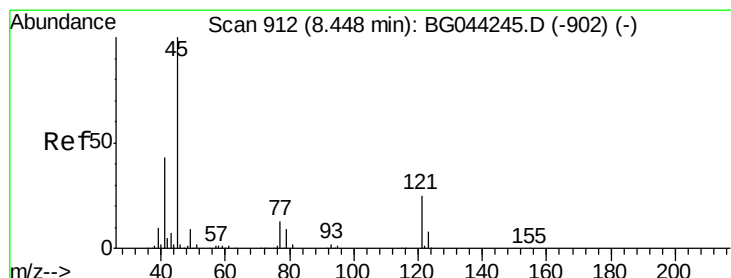
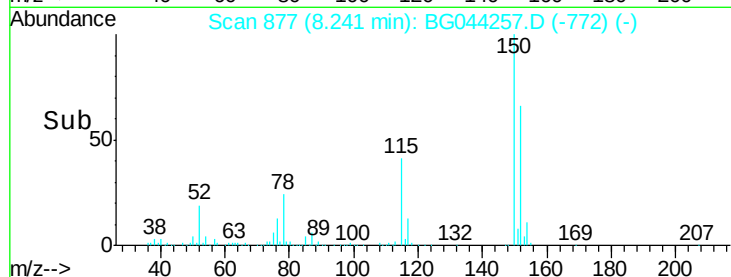
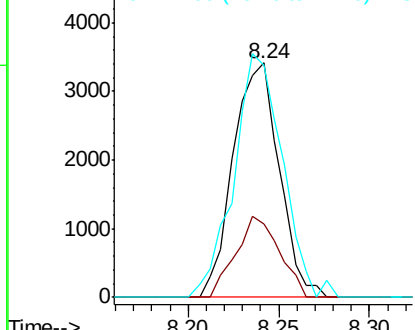
79 100

108 31.3 68.3 102.5#

77 98.9 51.8 77.8#



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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 0.013 ng

RT: 8.64 min Scan# 945

Delta R.T. 0.19 min

Lab File: BG044257.D

Acq: 31 Jan 2020 13:03

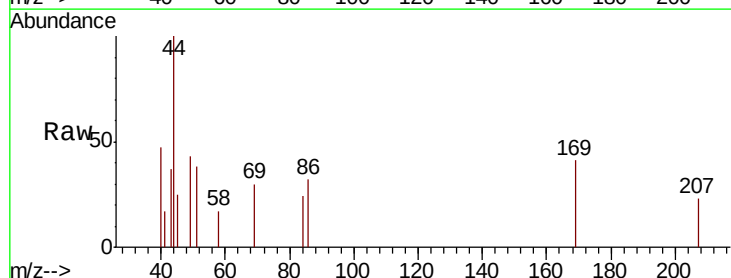
Tgt Ion: 45 Resp: 80

Ion Ratio Lower Upper

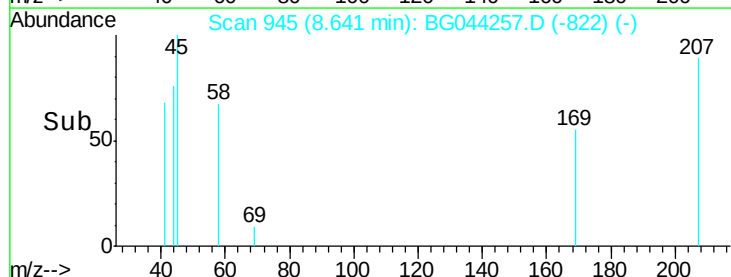
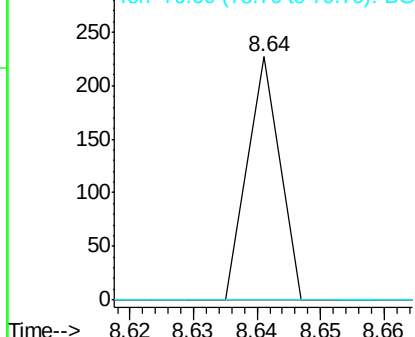
45 100

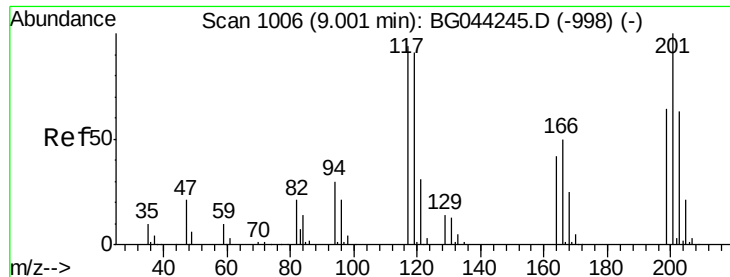
77 0.0 0.0 35.2

79 0.0 0.0 31.1



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

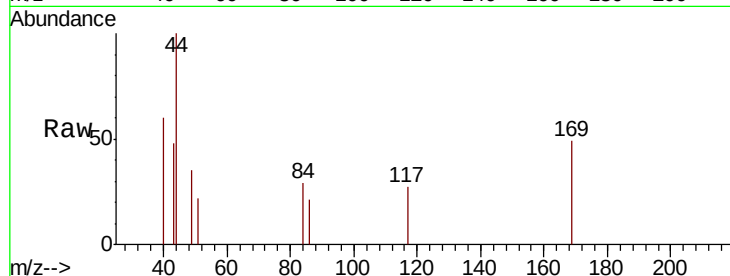




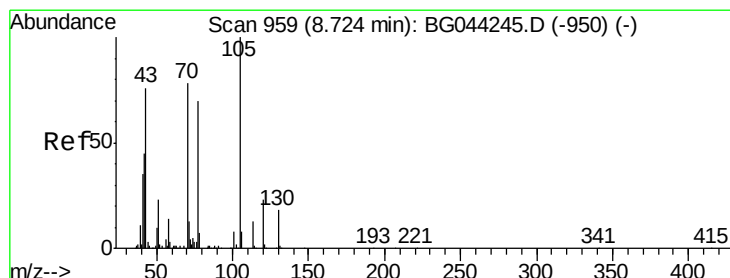
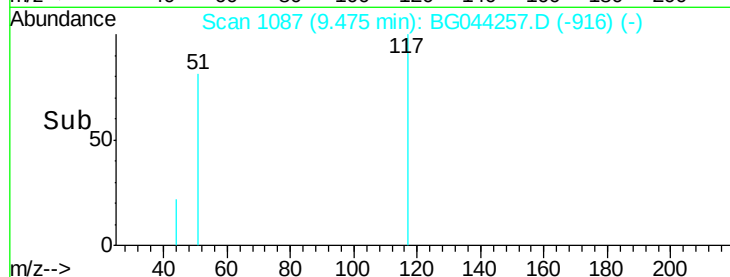
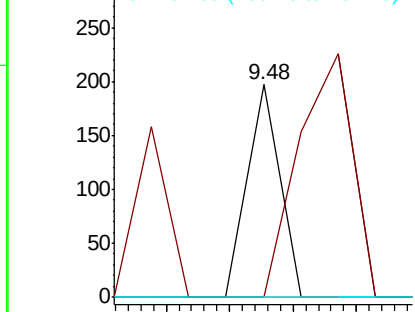
#18
Hexachloroethane
Concen: 0.036 ng
RT: 9.48 min Scan# 1087
Delta R.T. 0.47 min
Lab File: BG044257.D
Acq: 31 Jan 2020 13:03

Instrument :
BNA_G
ClientSampled :

Tot Ion:117 Resp: 69
Ion Ratio Lower Upper
117 100
119 0.0 77.5 116.3#
201 0.0 84.9 127.3#

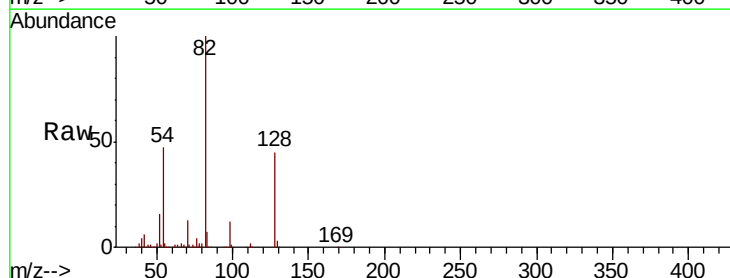


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

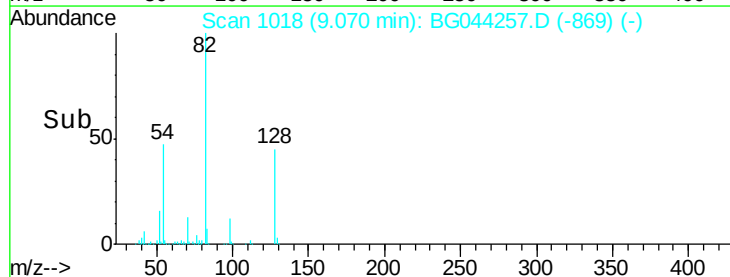
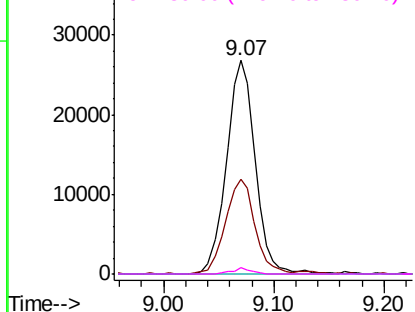


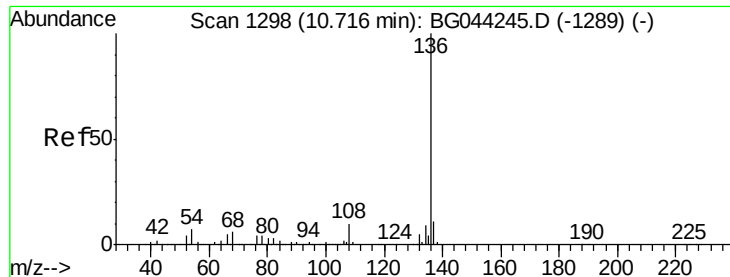
#19
n-Nitroso-di-n-propylamine
Concen: 13.924 ng
RT: 9.07 min Scan# 1018
Delta R.T. 0.35 min
Lab File: BG044257.D
Acq: 31 Jan 2020 13:03

Tgt Ion: 70 Resp: 48778
Ion Ratio Lower Upper
70 100
42 44.5 46.2 69.2#
101 0.0 8.4 12.6#
130 2.8 17.8 26.8#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

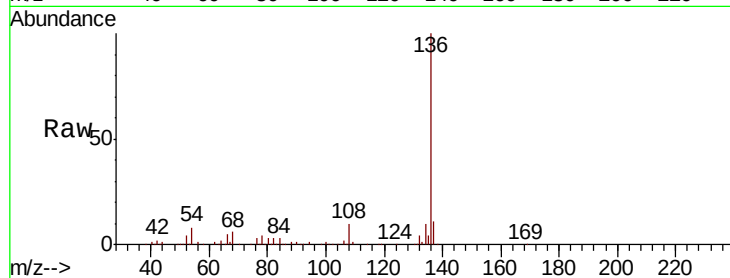




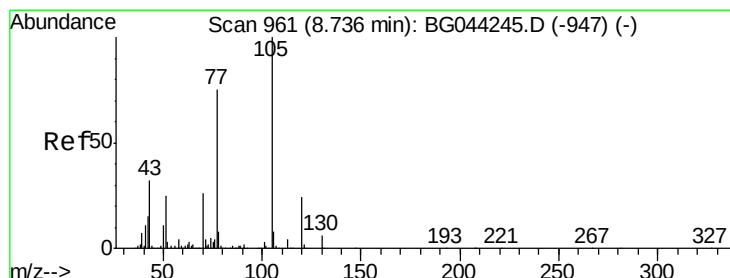
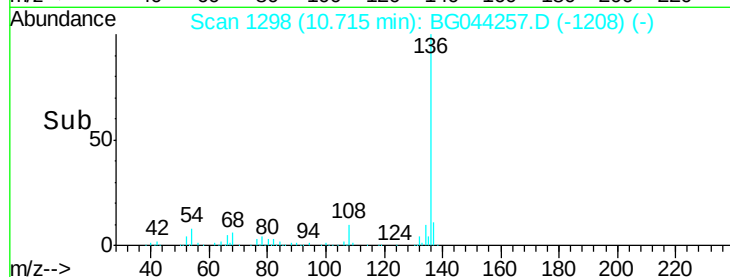
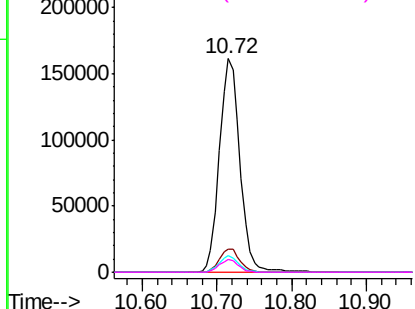
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1298
Delta R.T. -0.00 min
Lab File: BG044257.D
Acq: 31 Jan 2020 13:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	308795
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.8 13.2
54	7.7	5.8 8.8
68	5.9	4.6 6.8

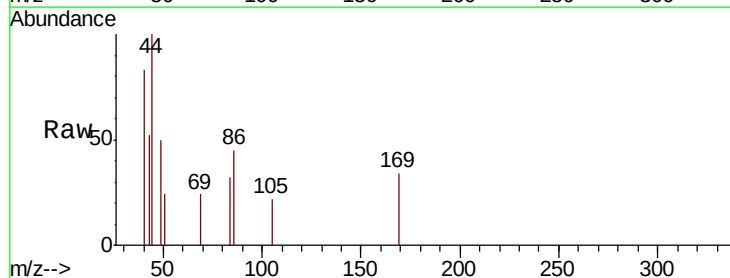


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

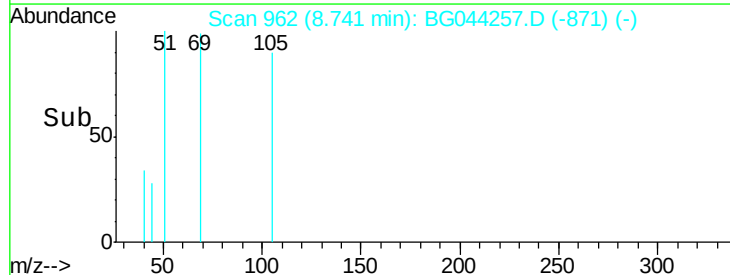
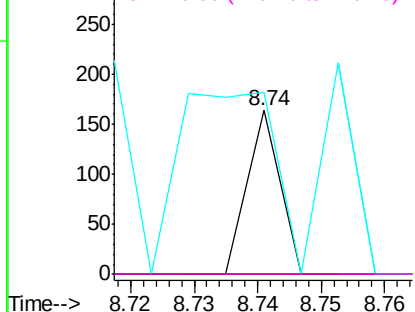


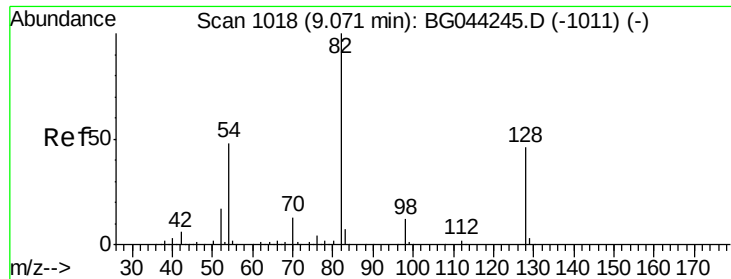
#22
Acetophenone
Concen: 0.008 ng
RT: 8.74 min Scan# 962
Delta R.T. 0.00 min
Lab File: BG044257.D
Acq: 31 Jan 2020 13:03

Tgt Ion:105	Resp:	58
Ion	Ratio	Lower Upper
105	100	
71	0.0	3.4 5.0#
51	111.0	20.2 30.4#
120	0.0	19.1 28.7#



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BG
Ion 51.00 (50.70 to 51.70): BG
Ion 120.00 (119.70 to 120.70): E

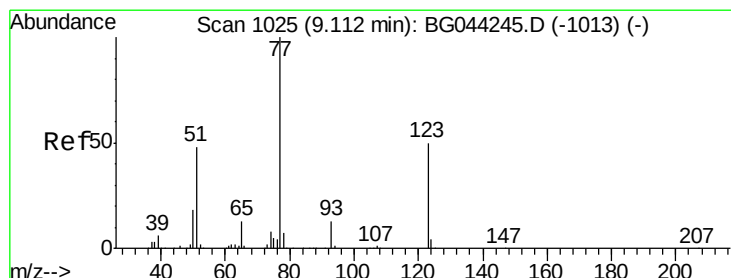
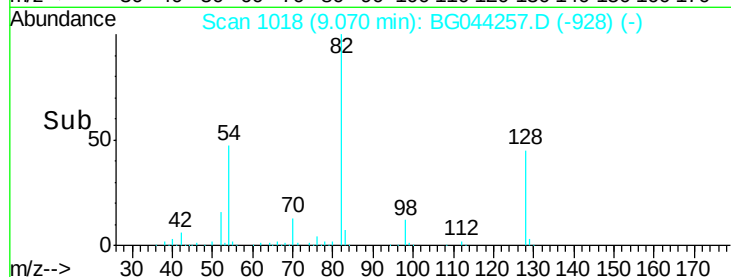
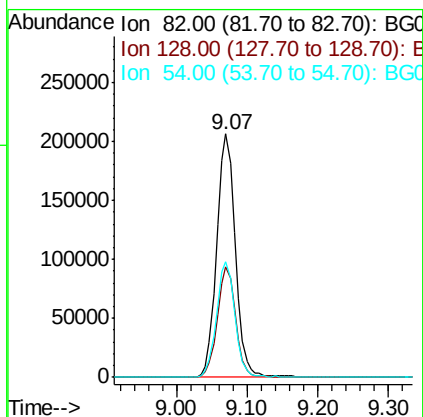
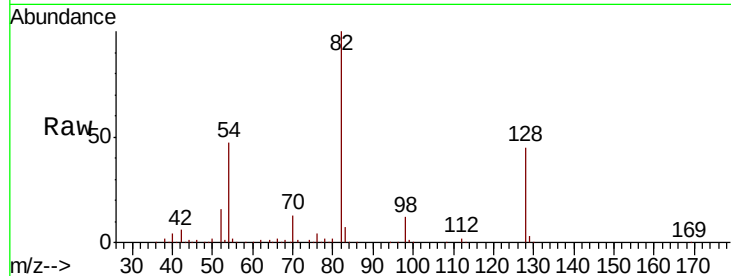




#23
 Nitrobenzene-d5
 Concen: 69.621 ng
 RT: 9.07 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: BG044257.D
 Acq: 31 Jan 2020 13:03

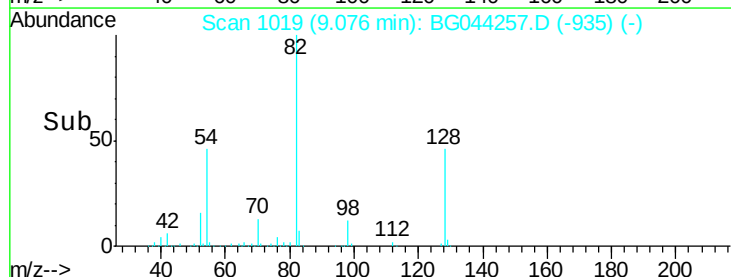
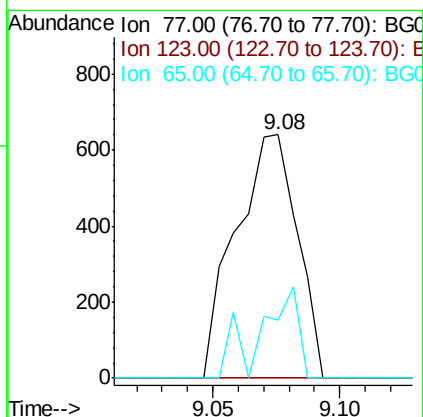
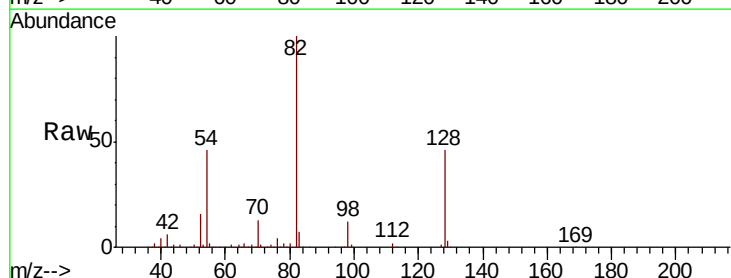
Instrument :
 BNA_G
 ClientSampleId :

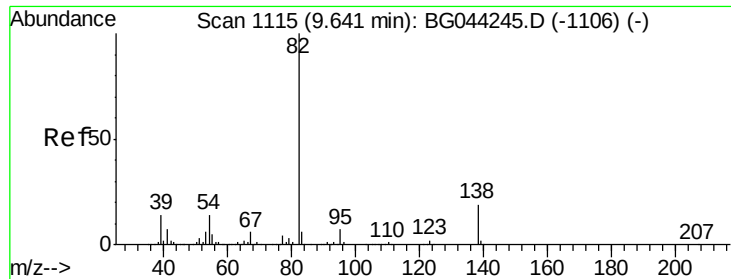
Tot Ion	82	Resp	380801
Ion Ratio	Lower	Upper	
82	100		
128	45.3	36.5	54.7
54	47.3	38.6	58.0



#24
 Nitrobenzene
 Concen: 0.203 ng
 RT: 9.08 min Scan# 1019
 Delta R.T. -0.04 min
 Lab File: BG044257.D
 Acq: 31 Jan 2020 13:03

Tgt Ion	77	Resp	1086
Ion Ratio	Lower	Upper	
77	100		
123	0.0	39.9	59.9#
65	24.0	10.4	15.6#





#25

Isophorone

Concen: 0.019 ng

RT: 9.58 min Scan# 1104

Delta R.T. -0.07 min

Lab File: BG044257.D

Acq: 31 Jan 2020 13:03

Instrument :

BNA_G

ClientSampled :

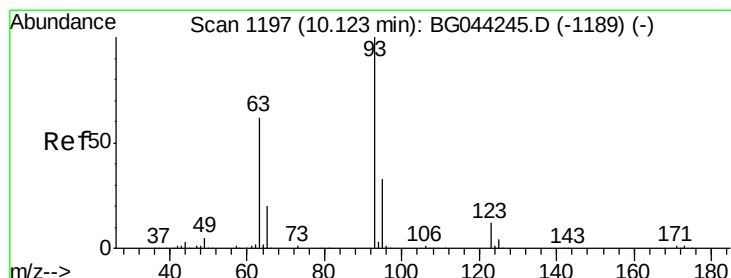
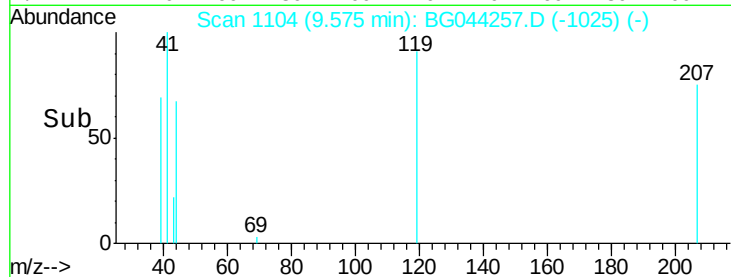
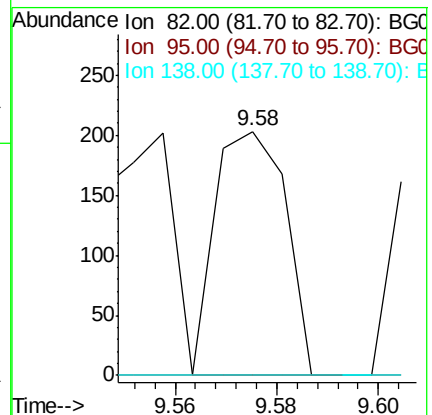
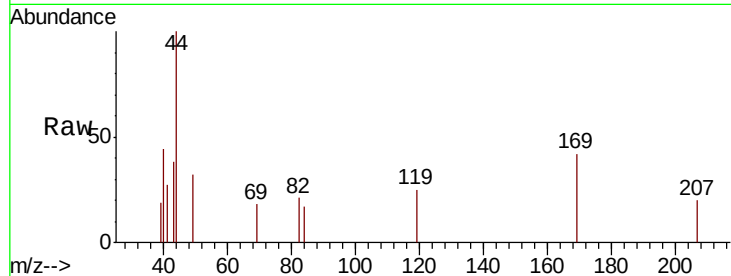
Tot Ion: 82 Resp: 197

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 15.0 22.4#



#28

bis(2-Chloroethoxy)methane

Concen: 0.010 ng

RT: 10.38 min Scan# 1241

Delta R.T. 0.26 min

Lab File: BG044257.D

Acq: 31 Jan 2020 13:03

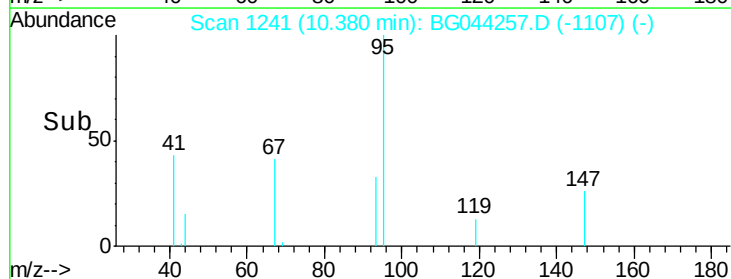
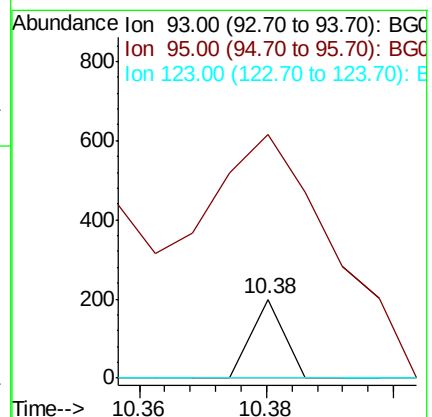
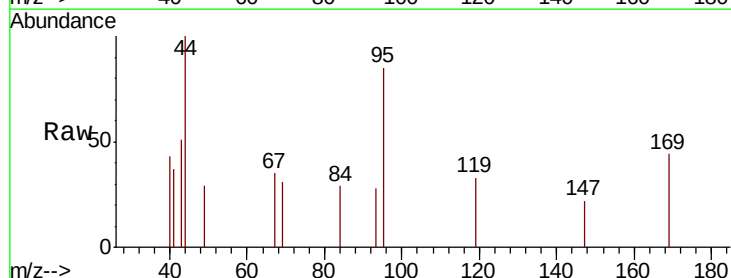
Tgt Ion: 93 Resp: 71

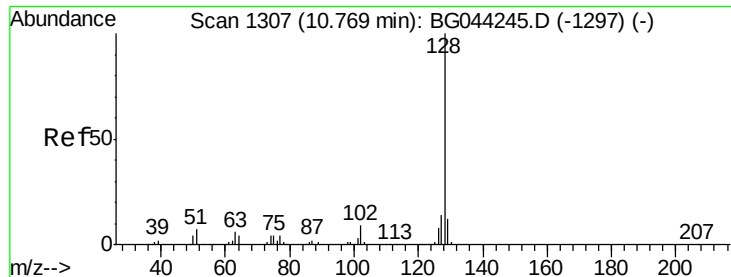
Ion Ratio Lower Upper

93 100

95 307.5 26.6 40.0#

123 0.0 10.0 15.0#

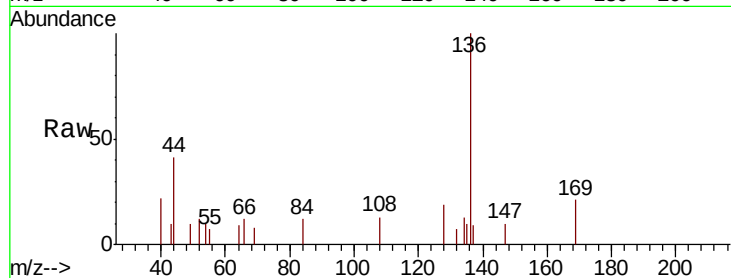




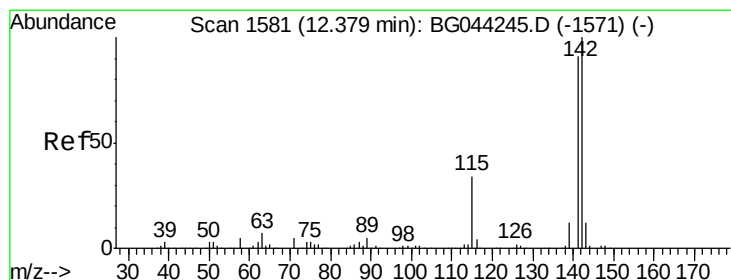
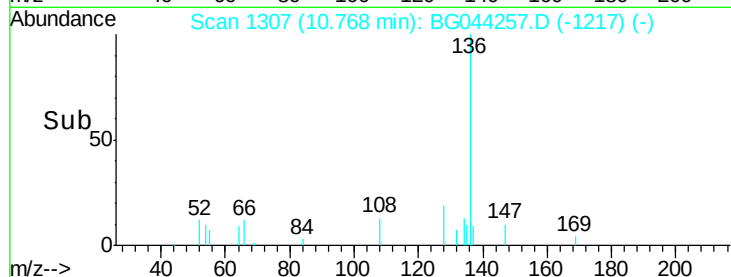
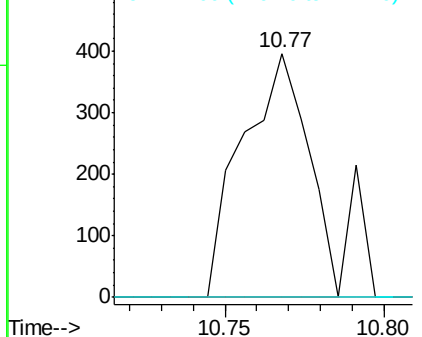
#31
Naphthalene
Concen: 0.038 ng
RT: 10.77 min Scan# 1307
Delta R.T. -0.00 min
Lab File: BG044257.D
Acq: 31 Jan 2020 13:03

Instrument :
BNA_G
ClientSampled :

Tot Ion:128 Resp: 572
Ion Ratio Lower Upper
128 100
129 0.0 9.3 13.9#
127 0.0 11.6 17.4#

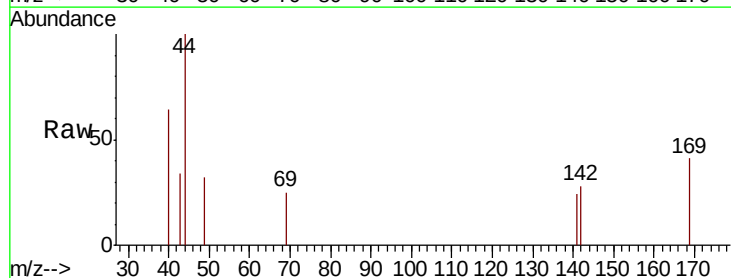


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

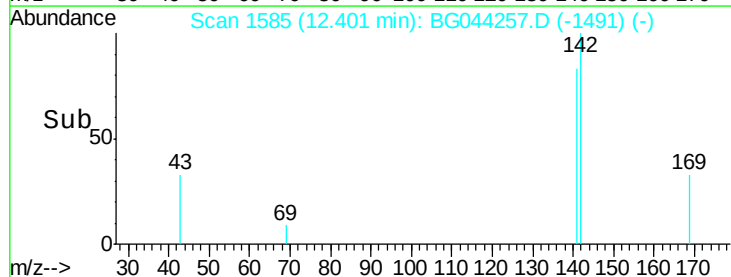
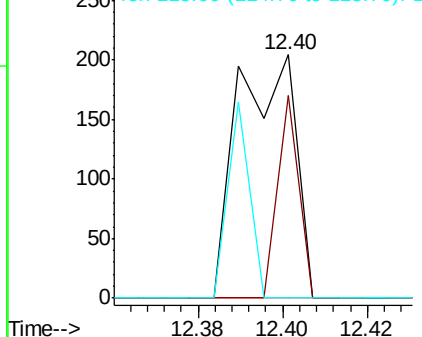


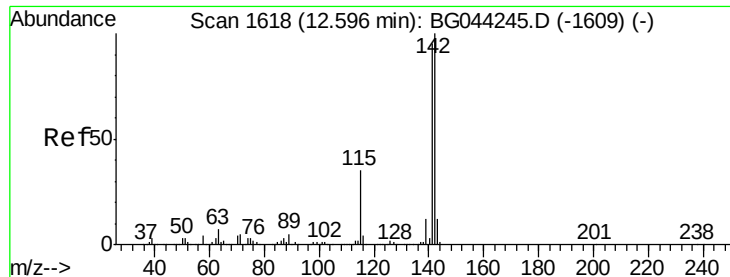
#37
2-Methylnaphthalene
Concen: 0.017 ng
RT: 12.40 min Scan# 1585
Delta R.T. 0.02 min
Lab File: BG044257.D
Acq: 31 Jan 2020 13:03

Tgt Ion:142 Resp: 194
Ion Ratio Lower Upper
142 100
141 83.3 73.2 109.8
115 0.0 27.1 40.7#



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

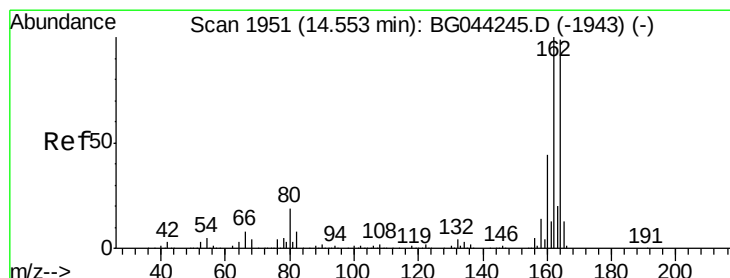
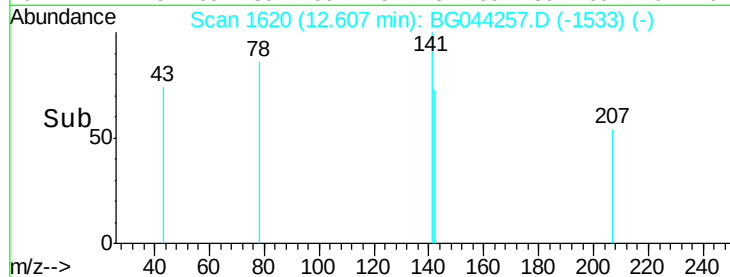
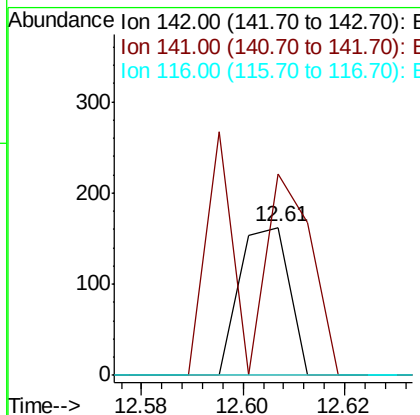
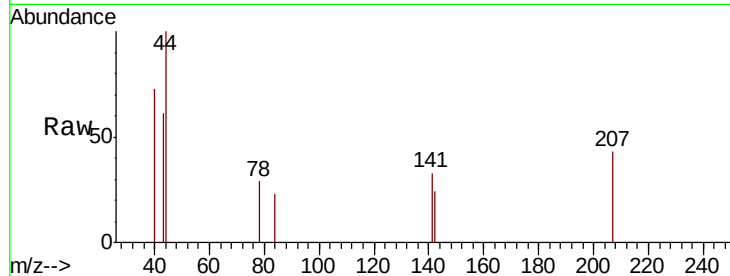




#38
 1-Methylnaphthalene
 Concen: 0.011 ng
 RT: 12.61 min Scan# 1620
 Delta R.T. 0.01 min
 Lab File: BG044257.D
 Acq: 31 Jan 2020 13:03

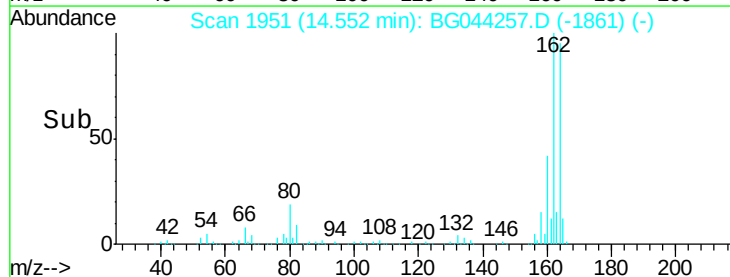
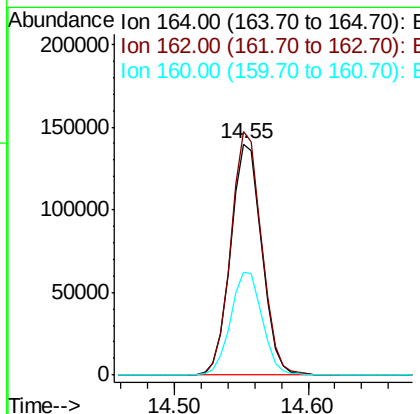
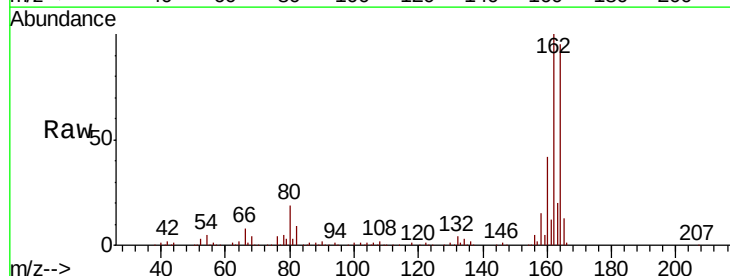
Instrument :
 BNA_G
 ClientSampled :

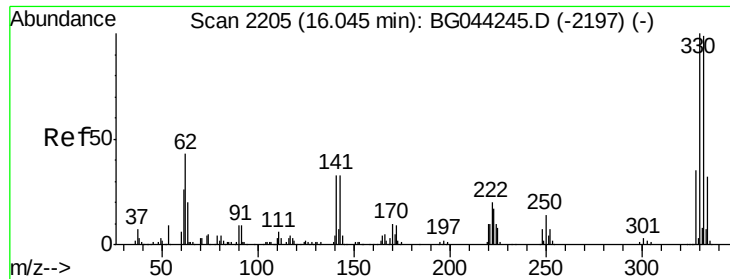
Tot Ion:142 Resp: 111
 Ion Ratio Lower Upper
 142 100
 141 136.4 75.8 113.6#
 116 0.0 3.1 4.7#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.55 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: BG044257.D
 Acq: 31 Jan 2020 13:03

Tgt Ion:164 Resp: 227740
 Ion Ratio Lower Upper
 164 100
 162 105.2 80.7 121.1
 160 44.3 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 102.399 ng

RT: 16.04 min Scan# 2205

Delta R.T. -0.00 min

Lab File: BG044257.D

Acq: 31 Jan 2020 13:03

Instrument :

BNA_G

ClientSampleId :

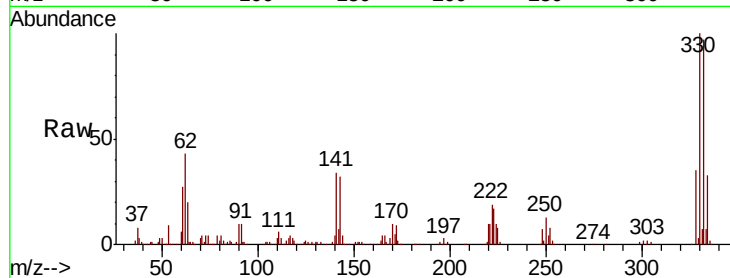
Tot Ion:330 Resp: 273768

Ion Ratio Lower Upper

330 100

332 96.1 77.2 115.8

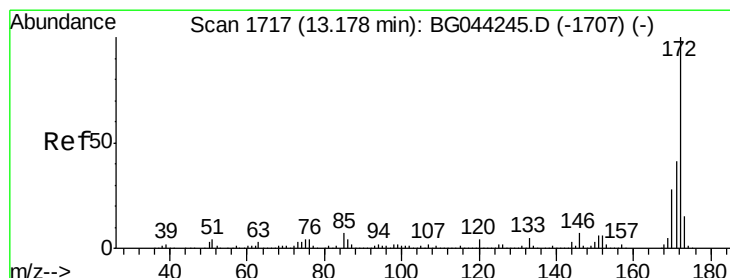
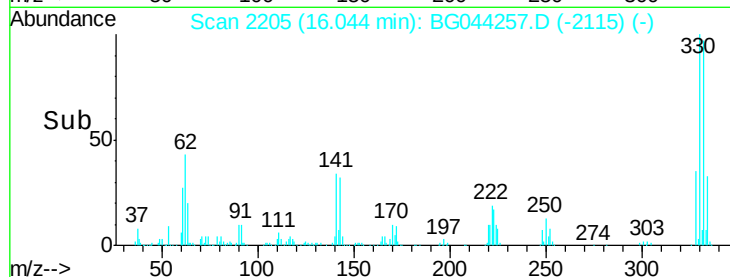
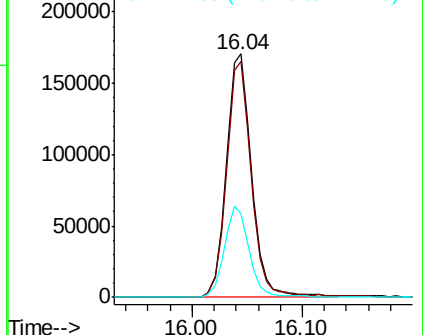
141 36.9 28.3 42.5



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 68.564 ng

RT: 13.18 min Scan# 1717

Delta R.T. -0.00 min

Lab File: BG044257.D

Acq: 31 Jan 2020 13:03

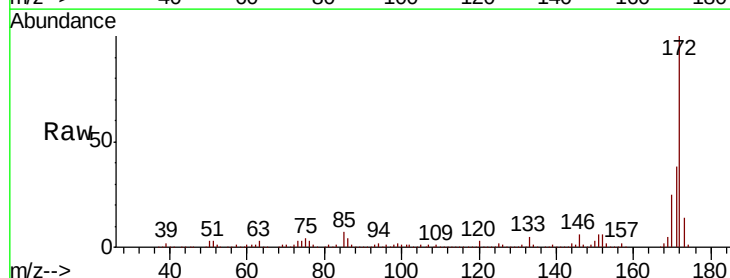
Tgt Ion:172 Resp: 932476

Ion Ratio Lower Upper

172 100

171 37.9 32.9 49.3

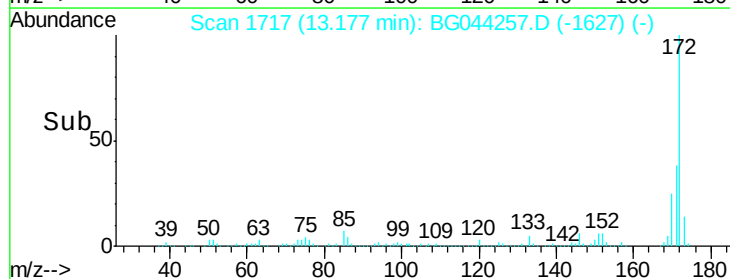
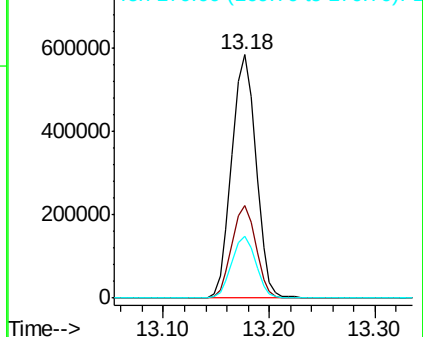
170 25.5 22.0 33.0

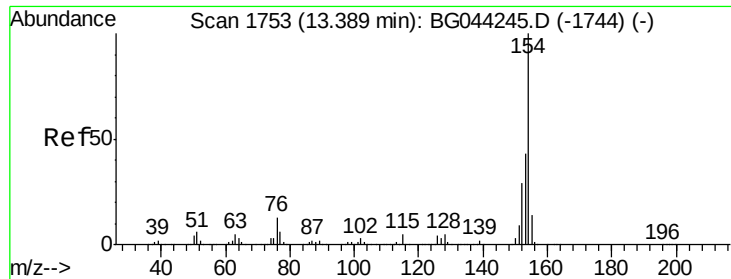


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#46

1,1'-Biphenyl

Concen: 0.136 ng

RT: 13.39 min Scan# 1753

Delta R.T. -0.00 min

Lab File: BG044257.D

Acq: 31 Jan 2020 13:03

Instrument :

BNA_G

ClientSampleId :

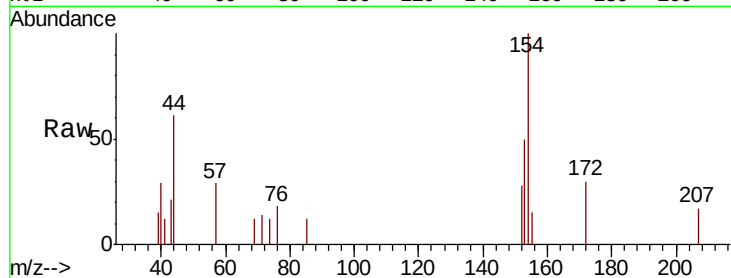
Tot Ion:154 Resp: 2234

Ion Ratio Lower Upper

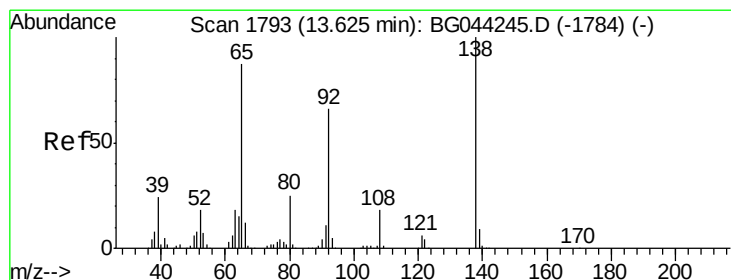
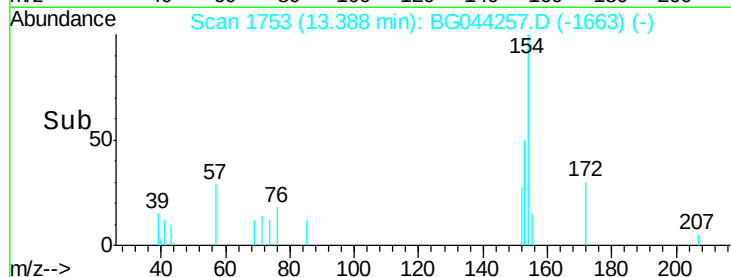
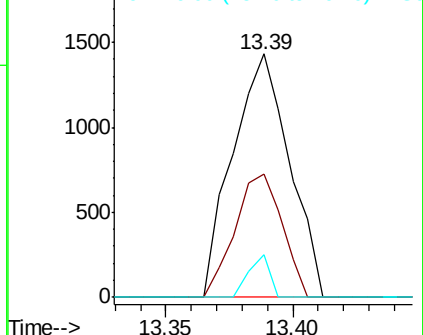
154 100

153 50.5 22.7 62.7

76 17.7 0.0 32.9



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: 0.023 ng

RT: 14.00 min Scan# 1857

Delta R.T. 0.37 min

Lab File: BG044257.D

Acq: 31 Jan 2020 13:03

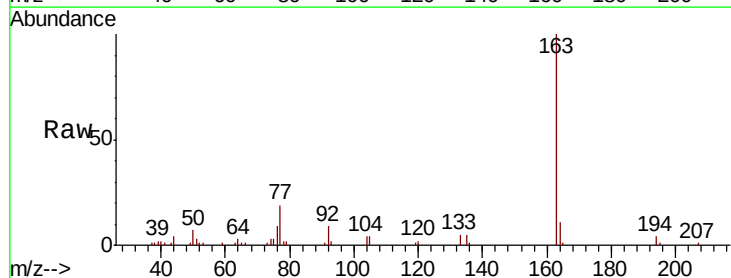
Tgt Ion: 65 Resp: 89

Ion Ratio Lower Upper

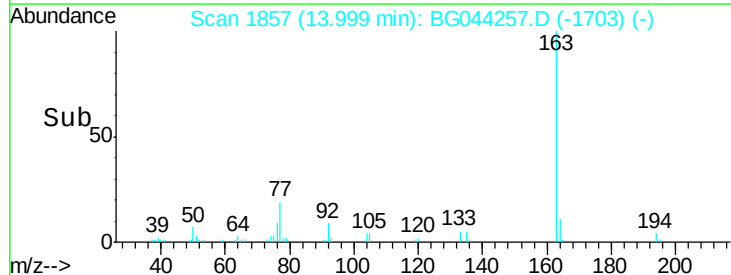
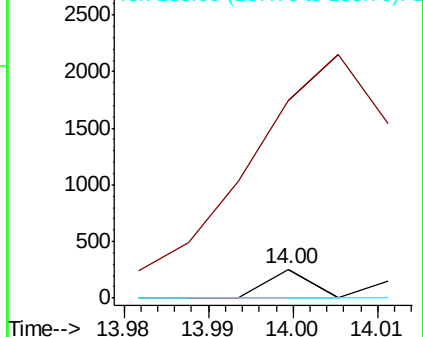
65 100

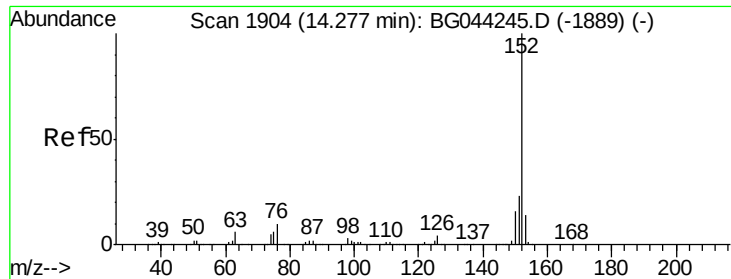
92 690.9 60.3 90.5#

138 0.0 91.9 137.9#



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: 0.006 ng

RT: 14.28 min Scan# 1904

Delta R.T. -0.00 min

Lab File: BG044257.D

Acq: 31 Jan 2020 13:03

Instrument :

BNA_G

ClientSampleId :

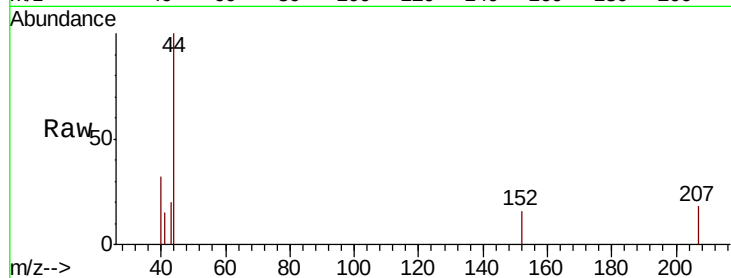
Tot Ion:152 Resp: 115

Ion Ratio Lower Upper

152 100

151 0.0 18.1 27.1#

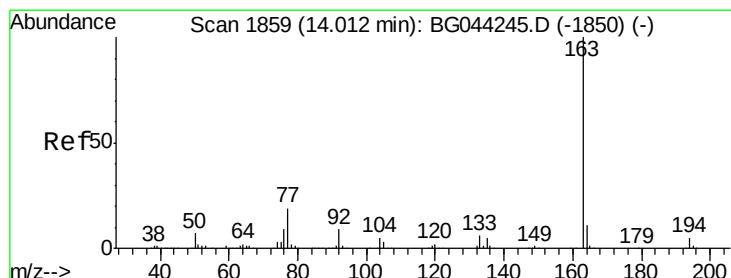
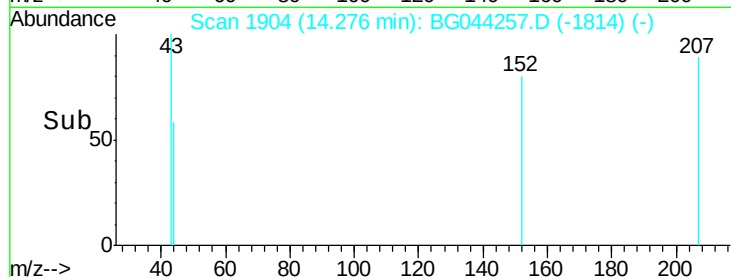
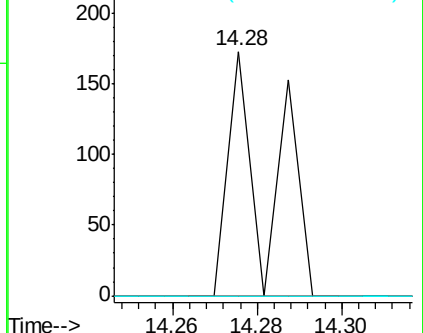
153 0.0 11.5 17.3#



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: 2.395 ng

RT: 14.01 min Scan# 1858

Delta R.T. -0.01 min

Lab File: BG044257.D

Acq: 31 Jan 2020 13:03

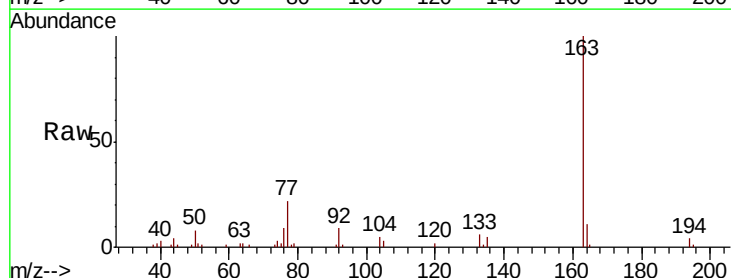
Tgt Ion:163 Resp: 39211

Ion Ratio Lower Upper

163 100

194 3.6 3.6 5.4

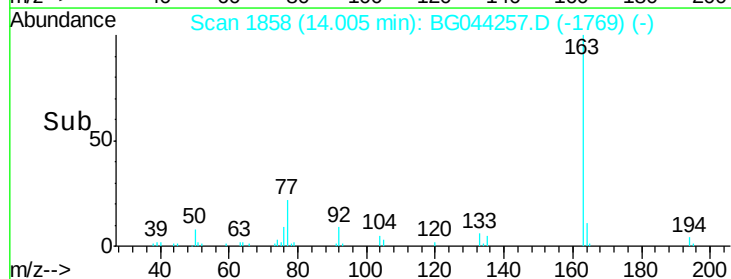
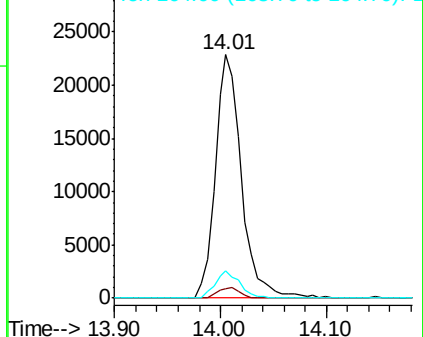
164 11.0 8.7 13.1

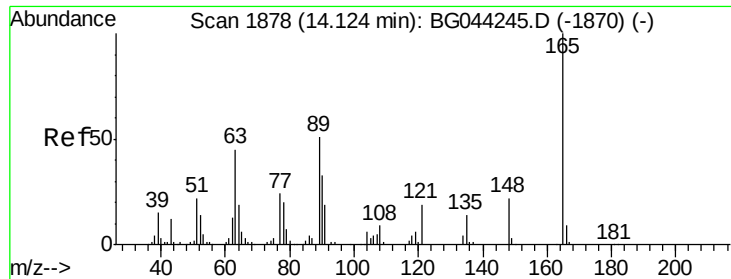


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

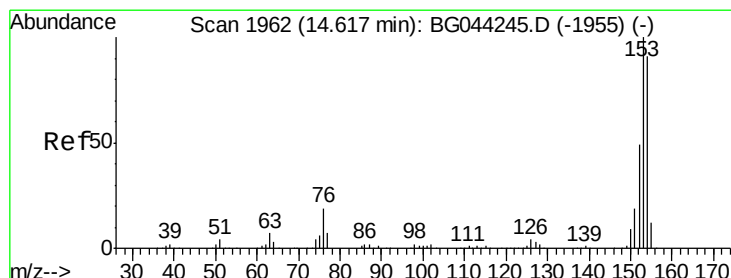
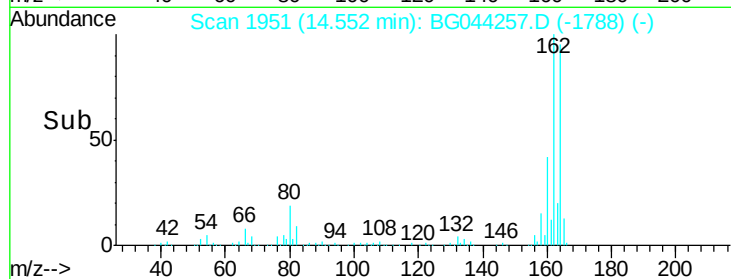
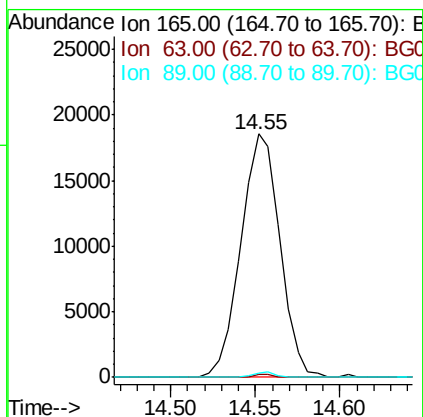
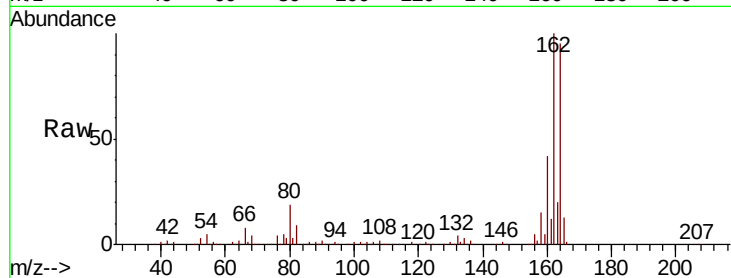




#51
 2,6-Dinitrotoluene
 Concen: 8.175 ng
 RT: 14.55 min Scan# 1951
 Delta R.T. 0.43 min
 Lab File: BG044257.D
 Acq: 31 Jan 2020 13:03

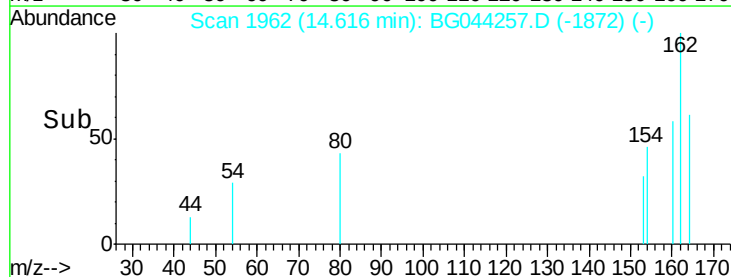
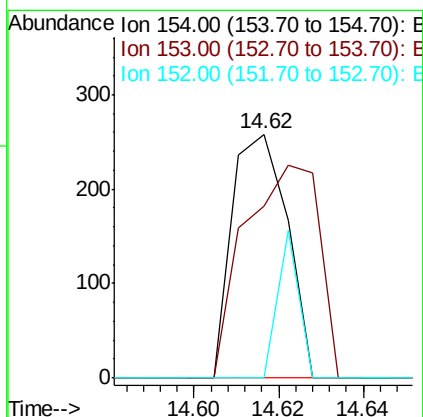
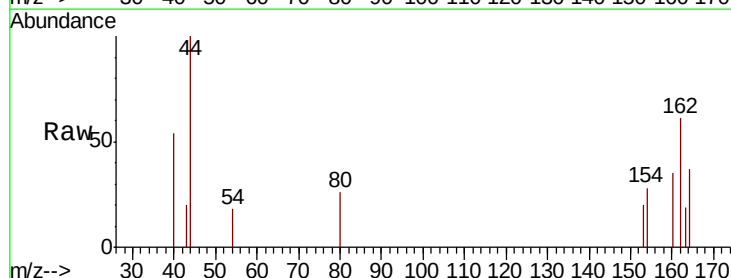
Instrument :
 BNA_G
 ClientSampled :

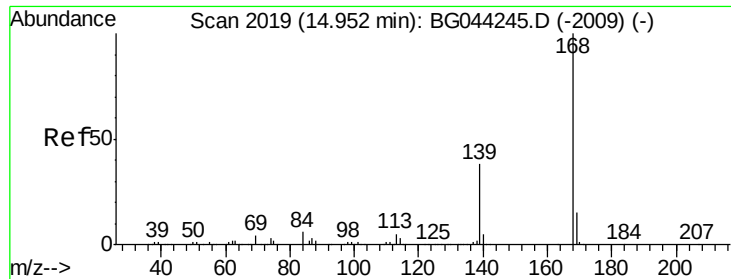
Tot Ion:165 Resp: 29838
 Ion Ratio Lower Upper
 165 100
 63 1.1 38.7 58.1#
 89 1.8 40.4 60.6#



#52
 Acenaphthene
 Concen: 0.019 ng
 RT: 14.62 min Scan# 1962
 Delta R.T. -0.00 min
 Lab File: BG044257.D
 Acq: 31 Jan 2020 13:03

Tgt Ion:154 Resp: 233
 Ion Ratio Lower Upper
 154 100
 153 70.5 87.9 131.9#
 152 0.0 43.1 64.7#





#55

Dibenzofuran

Concen: 0.041 ng

RT: 14.95 min Scan# 2019

Delta R.T. -0.00 min

Lab File: BG044257.D

Acq: 31 Jan 2020 13:03

Instrument :

BNA_G

ClientSampled :

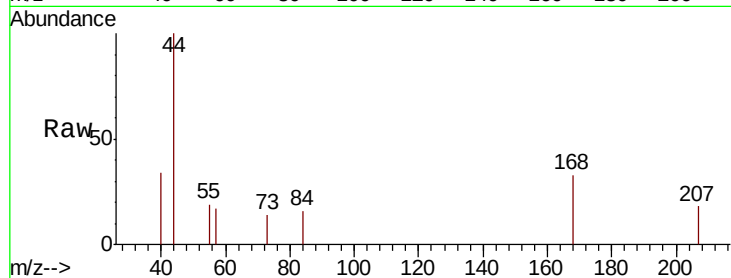
Tot Ion:168 Resp: 772

Ion Ratio Lower Upper

168 100

139 0.0 30.5 45.7#

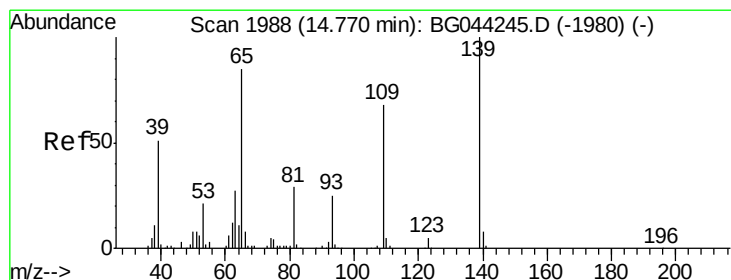
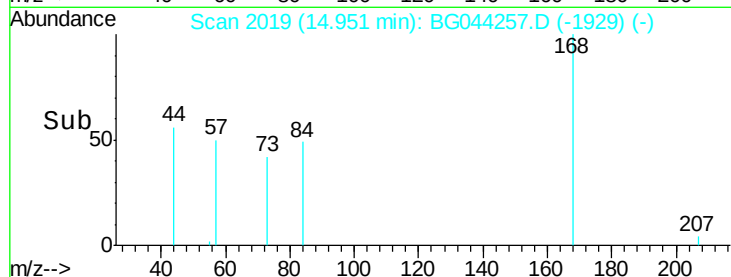
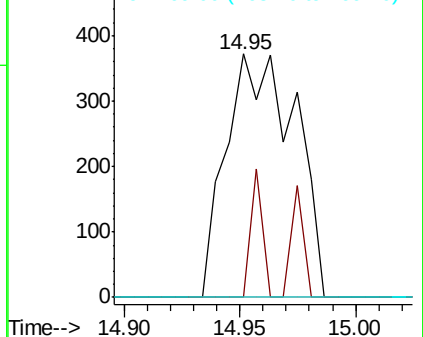
169 0.0 11.7 17.5#



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



#56

4-Nitrophenol

Concen: 0.023 ng

RT: 14.96 min Scan# 2020

Delta R.T. 0.19 min

Lab File: BG044257.D

Acq: 31 Jan 2020 13:03

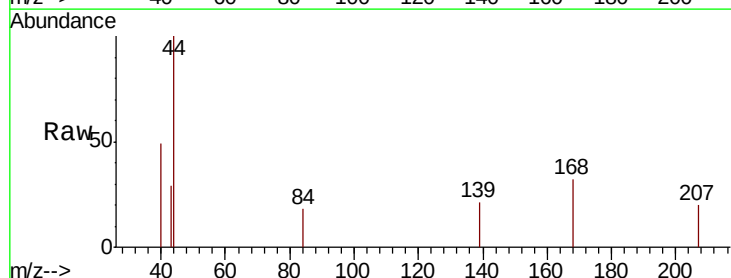
Tgt Ion:139 Resp: 69

Ion Ratio Lower Upper

139 100

109 0.0 47.5 87.5#

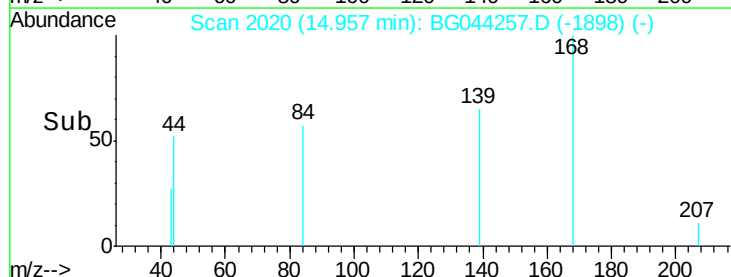
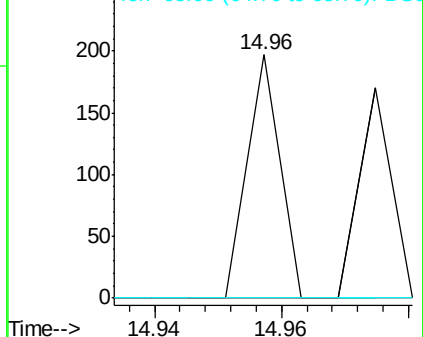
65 0.0 64.9 104.9#

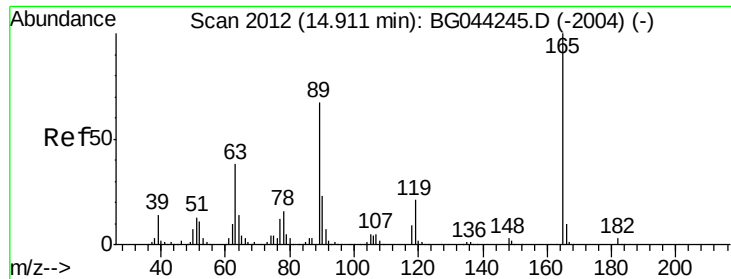


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG

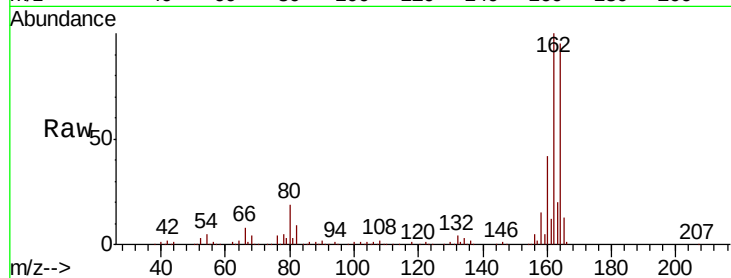




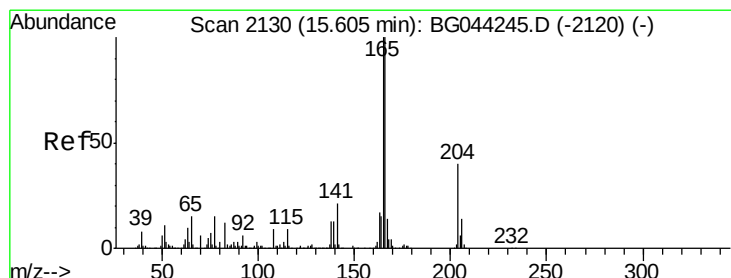
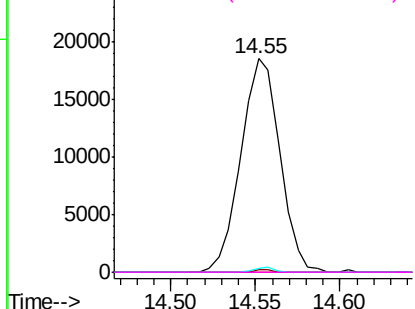
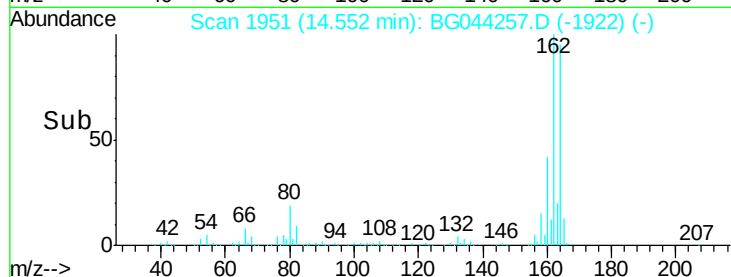
#57
2,4-Dinitrotoluene
Concen: 5.832 ng
RT: 14.55 min Scan# 1951
Delta R.T. -0.36 min
Lab File: BG044257.D
Acq: 31 Jan 2020 13:03

Instrument :
BNA_G
ClientSampled :

Tot Ion:165 Resp: 29838
Ion Ratio Lower Upper
165 100
63 1.1 30.3 45.5#
89 1.8 53.4 80.2#
182 0.0 2.1 3.1#

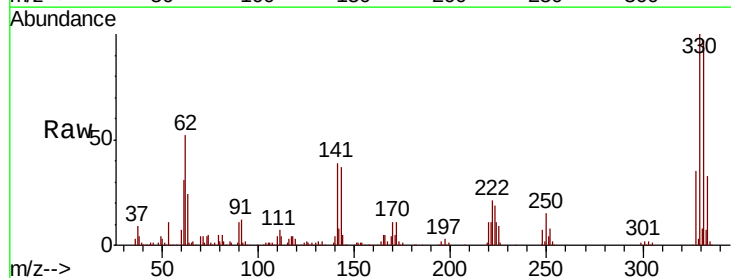


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 89.00 (88.70 to 89.70): BG
Ion 182.00 (181.70 to 182.70): E

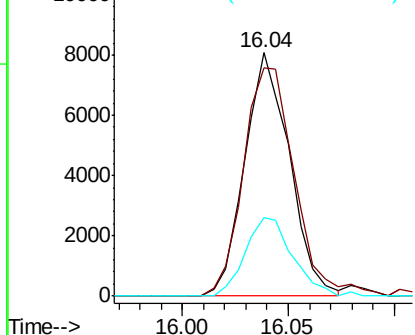
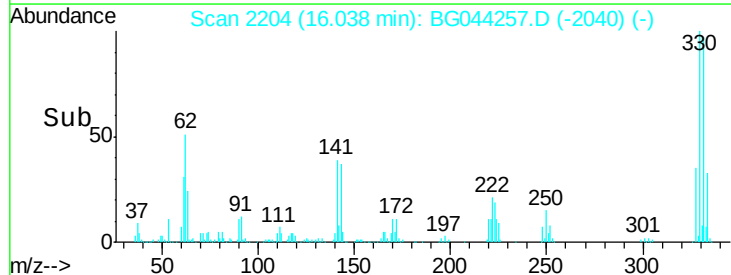


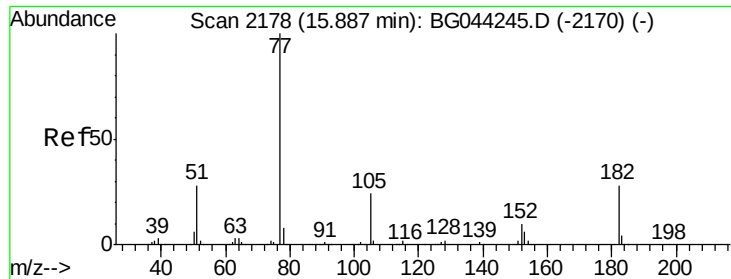
#58
Fluorene
Concen: 0.804 ng
RT: 16.04 min Scan# 2204
Delta R.T. 0.43 min
Lab File: BG044257.D
Acq: 31 Jan 2020 13:03

Tgt Ion:166 Resp: 11912
Ion Ratio Lower Upper
166 100
165 93.8 79.9 119.9
167 32.1 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





#63

Azobenzene

Concen: 0.004 ng

RT: 15.82 min Scan# 2167

Delta R.T. -0.07 min

Lab File: BG044257.D

Acq: 31 Jan 2020 13:03

Instrument :

BNA_G

ClientSampled :

Tot Ion: 77 Resp: 64

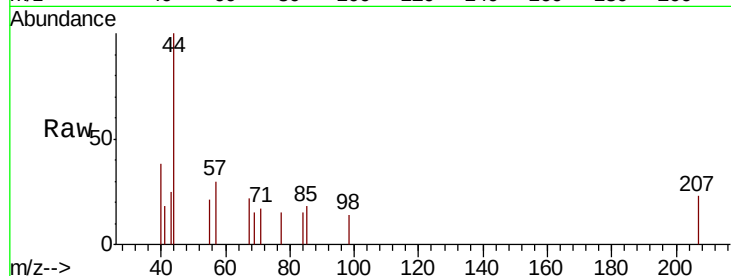
Ion Ratio Lower Upper

77 100

182 0.0 8.2 48.2#

105 0.0 3.6 43.6#

51 0.0 8.3 48.3#



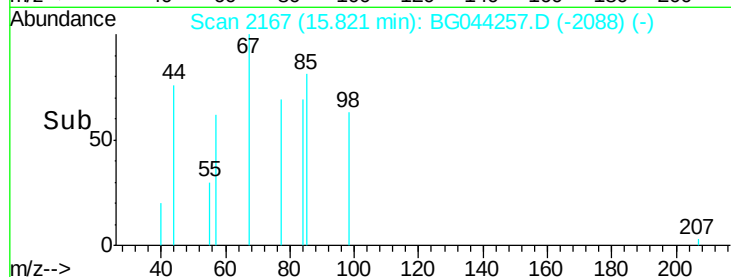
Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

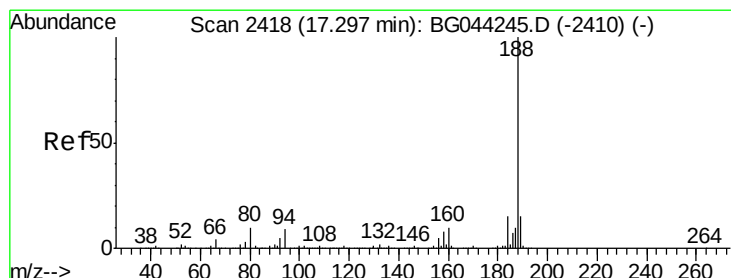
Ion 51.00 (50.70 to 51.70): BGC

Time-->



Abundance

Time-->



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.30 min Scan# 2418

Delta R.T. -0.00 min

Lab File: BG044257.D

Acq: 31 Jan 2020 13:03

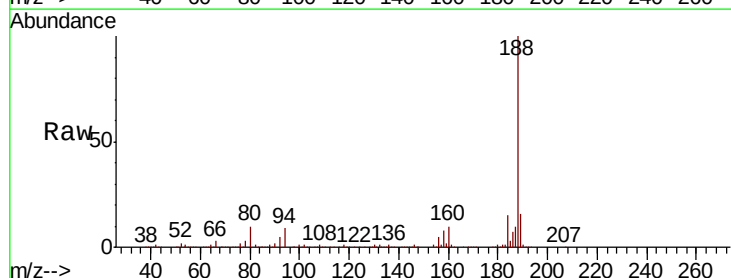
Tgt Ion: 188 Resp: 521628

Ion Ratio Lower Upper

188 100

94 8.9 7.4 11.2

80 9.7 7.7 11.5

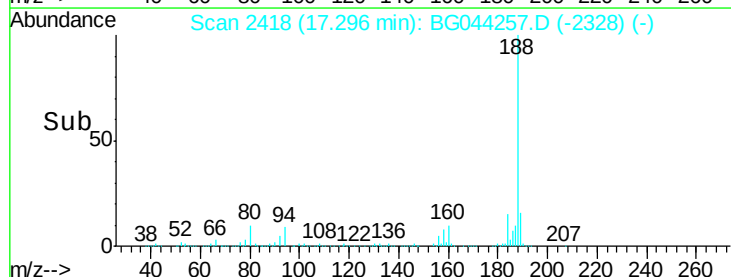


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

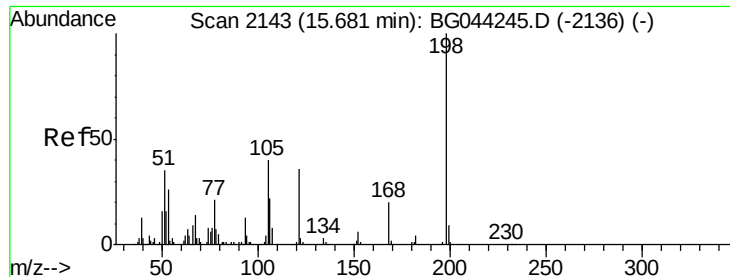
Ion 80.00 (79.70 to 80.70): BGC

Time-->



Abundance

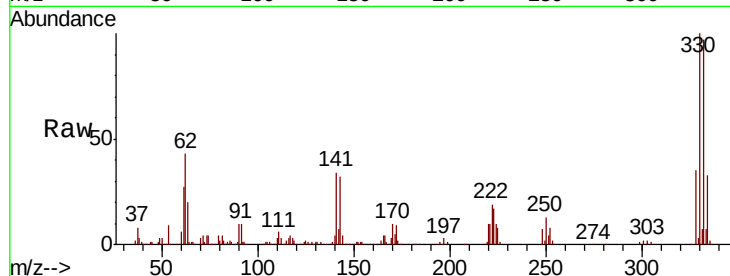
Time-->



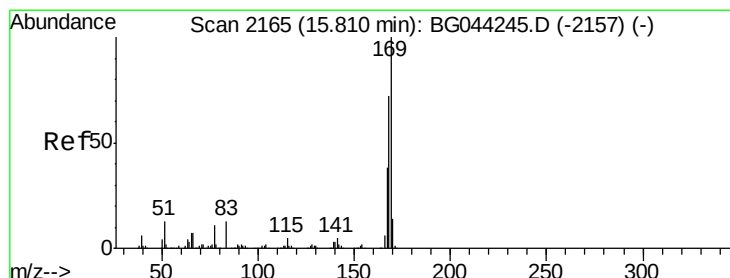
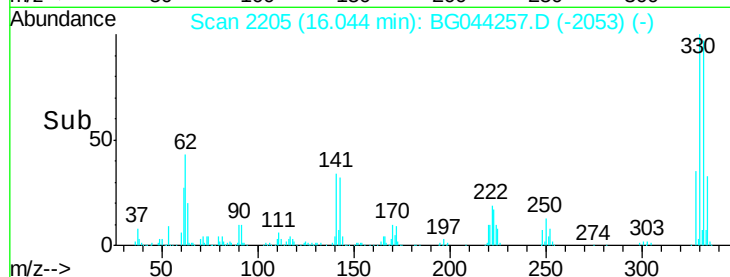
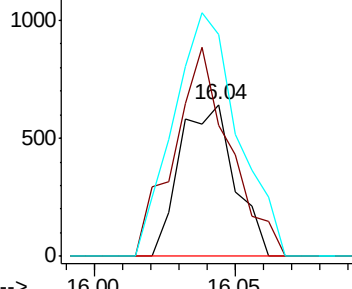
#65
 4,6-Dinitro-2-methylphenol
 Concen: 0.301 ng
 RT: 16.04 min Scan# 2205
 Delta R.T. 0.36 min
 Lab File: BG044257.D
 Acq: 31 Jan 2020 13:03

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
198	100		
51	86.6	16.6	56.6#
105	146.9	20.6	60.6#

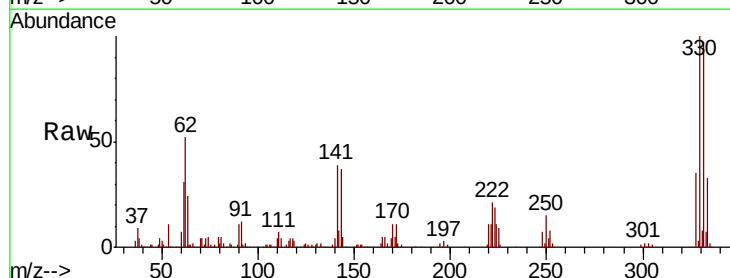


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

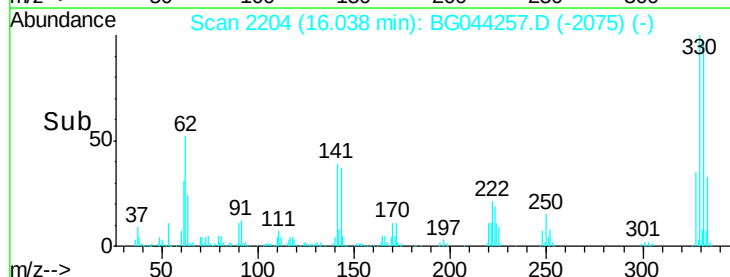
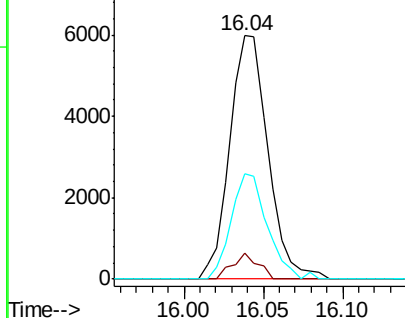


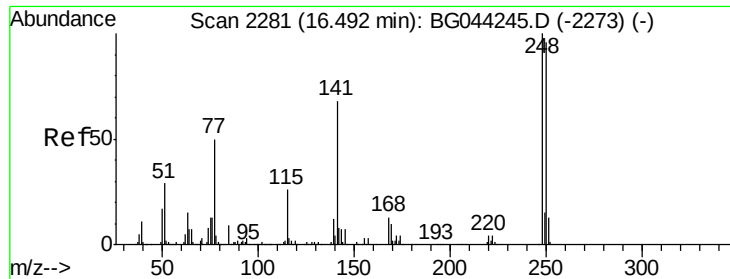
#66
 n-Nitrosodiphenylamine
 Concen: 0.684 ng
 RT: 16.04 min Scan# 2204
 Delta R.T. 0.23 min
 Lab File: BG044257.D
 Acq: 31 Jan 2020 13:03

Tgt Ion	Ratio	Lower	Upper
169	100		
168	10.7	57.9	86.9#
167	43.4	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

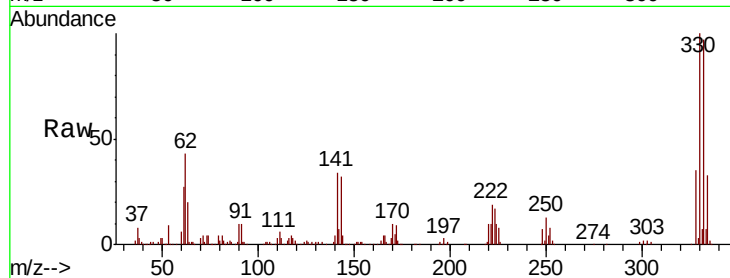




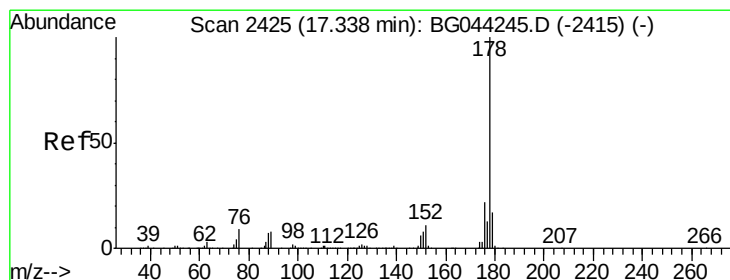
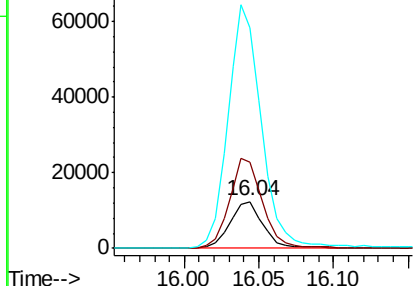
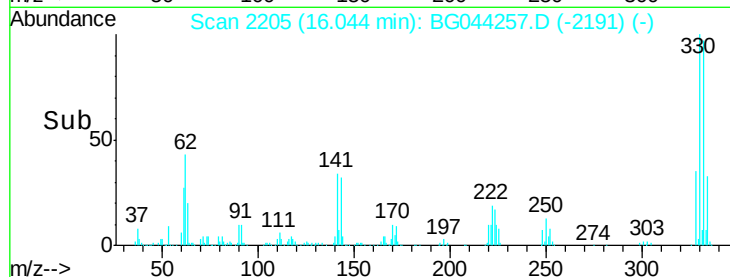
#67
 4-Bromophenyl-phenylether
 Concen: 3.362 ng
 RT: 16.04 min Scan# 2205
 Delta R.T. -0.45 min
 Lab File: BG044257.D
 Acq: 31 Jan 2020 13:03

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 19107
 Ion Ratio Lower Upper
 248 100
 250 184.4 76.6 114.8#
 141 474.2 54.7 82.1#

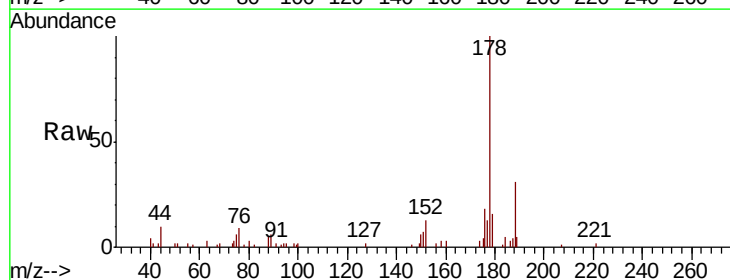


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

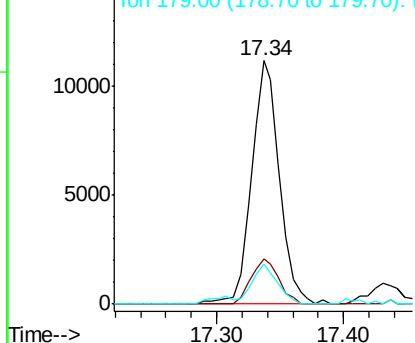
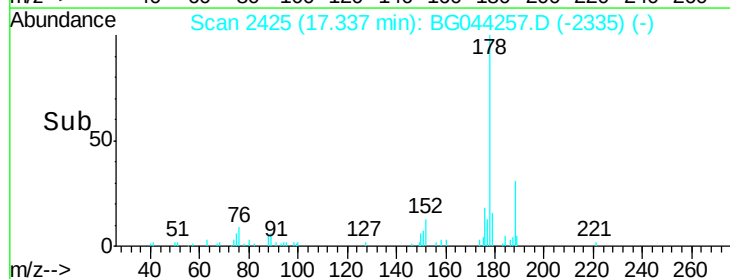


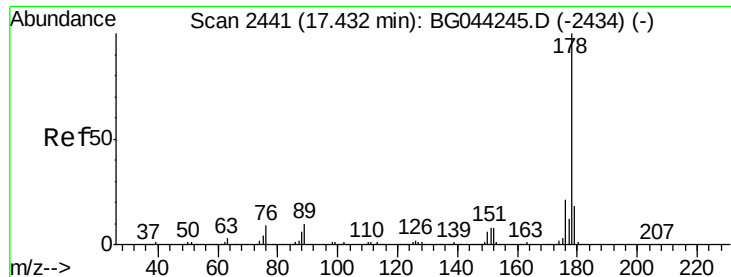
#71
 Phenanthrene
 Concen: 0.675 ng
 RT: 17.34 min Scan# 2425
 Delta R.T. -0.00 min
 Lab File: BG044257.D
 Acq: 31 Jan 2020 13:03

Tgt Ion:178 Resp: 17050
 Ion Ratio Lower Upper
 178 100
 176 18.4 17.7 26.5
 179 16.3 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: 0.683 ng

RT: 17.34 min Scan# 2425

Delta R.T. -0.10 min

Lab File: BG044257.D

Acq: 31 Jan 2020 13:03

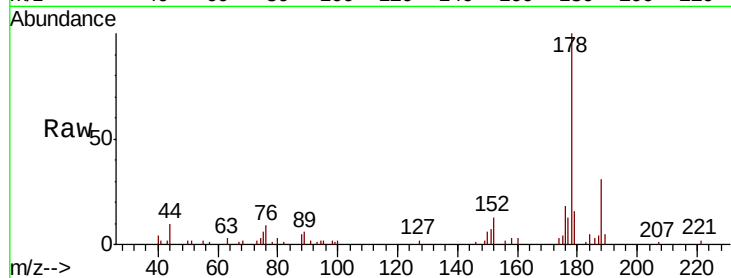
Instrument :

BNA_G

ClientSampleId :

Tot Ion:178 Resp: 17050

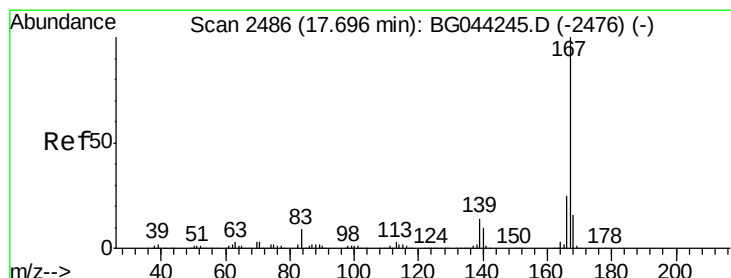
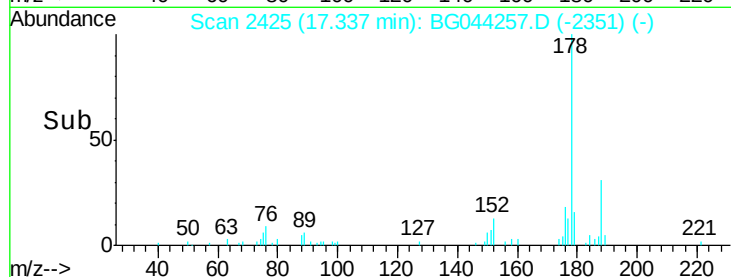
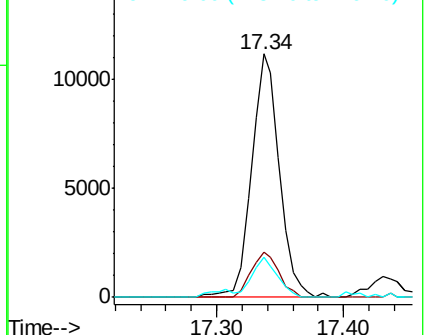
Ion	Ratio	Lower	Upper
178	100		
176	18.4	17.0	25.4
179	16.3	14.4	21.6



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



#73

Carbazole

Concen: 0.036 ng

RT: 17.71 min Scan# 2489

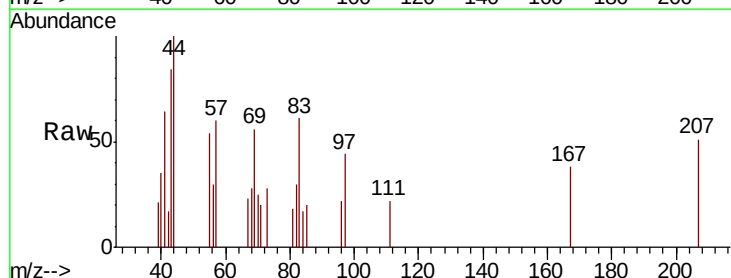
Delta R.T. 0.02 min

Lab File: BG044257.D

Acq: 31 Jan 2020 13:03

Tgt Ion:167 Resp: 834

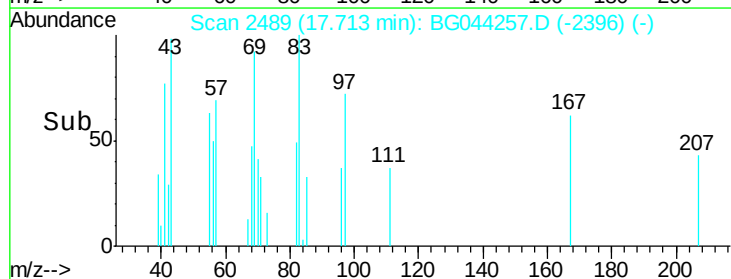
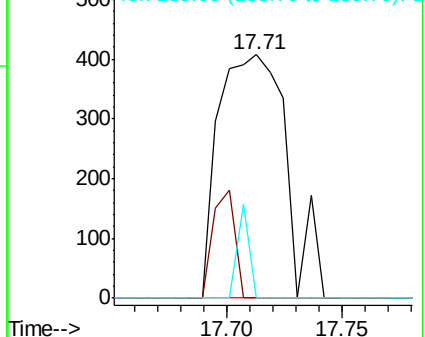
Ion	Ratio	Lower	Upper
167	100		
166	0.0	19.8	29.6#
139	0.0	11.1	16.7#

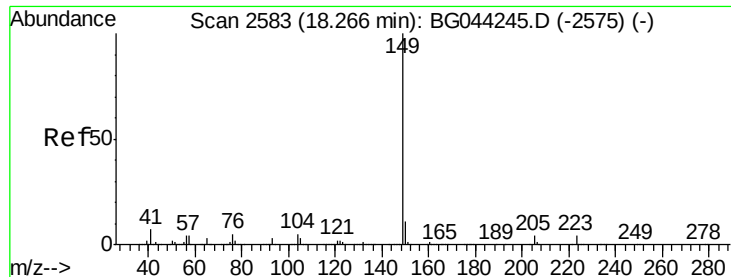


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Di-n-butylphthalate

Concen: 0.030 ng

RT: 18.27 min Scan# 2583

Delta R.T. -0.00 min

Lab File: BG044257.D

Acq: 31 Jan 2020 13:03

Instrument :

BNA_G

ClientSampleId :

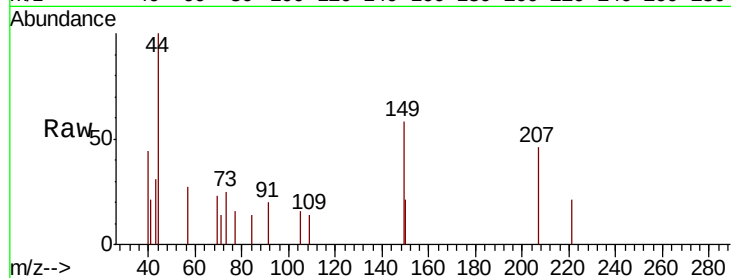
Tot Ion:149 Resp: 846

Ion Ratio Lower Upper

149 100

150 36.7 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

18.27

600

400

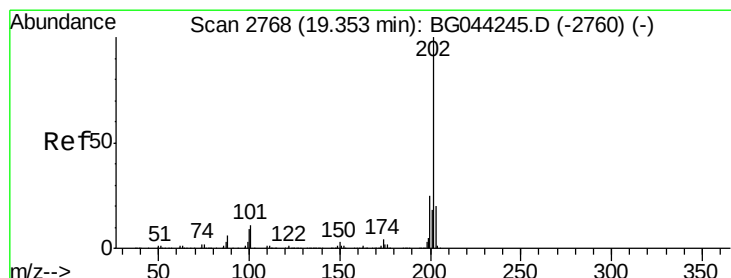
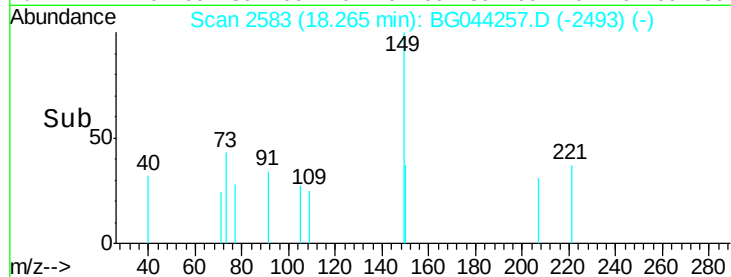
200

0

18.25

18.30

Time-->



#75

Fluoranthene

Concen: 0.866 ng

RT: 19.35 min Scan# 2768

Delta R.T. -0.00 min

Lab File: BG044257.D

Acq: 31 Jan 2020 13:03

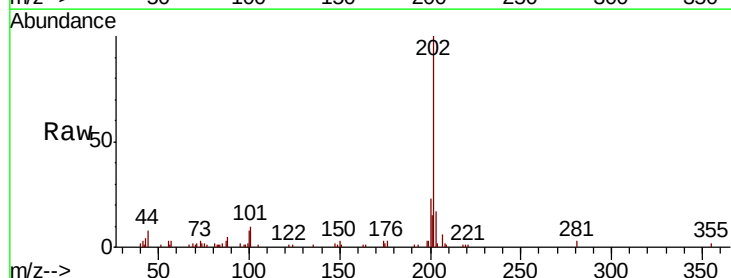
Tgt Ion:202 Resp: 25307

Ion Ratio Lower Upper

202 100

101 10.4 0.0 31.3

203 17.5 0.0 39.9



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

19.35

20000

15000

10000

5000

0

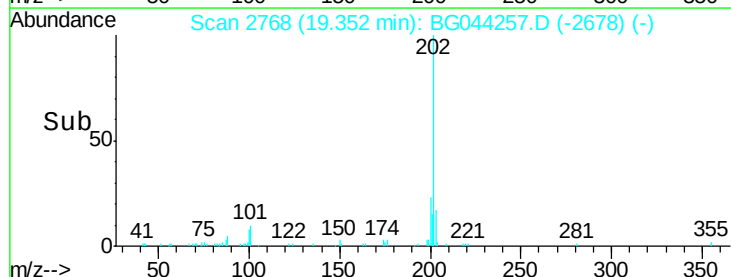
19.30

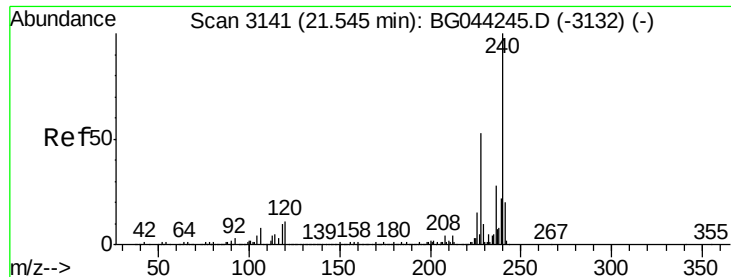
19.35

19.40

19.45

Time-->





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.54 min Scan# 3141

Delta R.T. -0.00 min

Lab File: BG044257.D

Acq: 31 Jan 2020 13:03

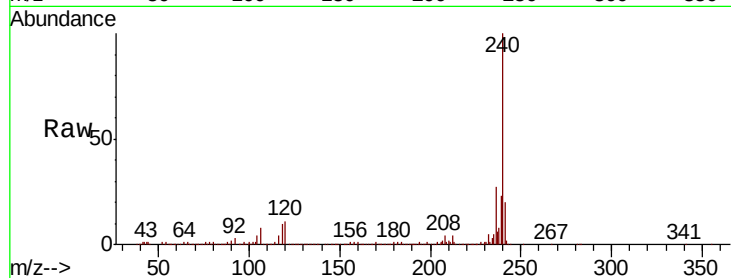
Instrument :

BNA_G

ClientSampleId :

Tot Ion:240 Resp: 455988

Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.4	12.6
236	27.0	22.1	33.1

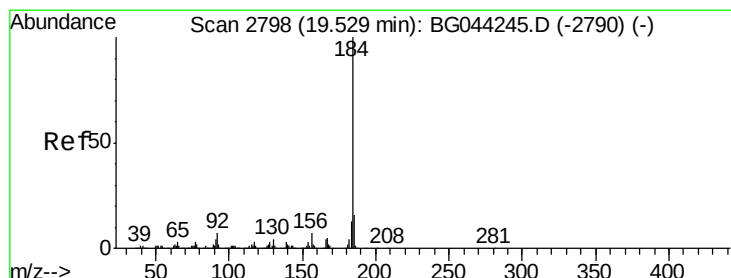
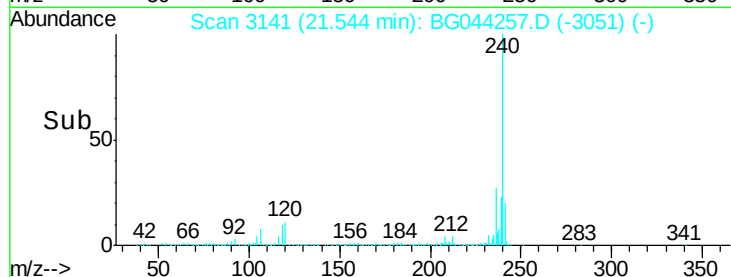
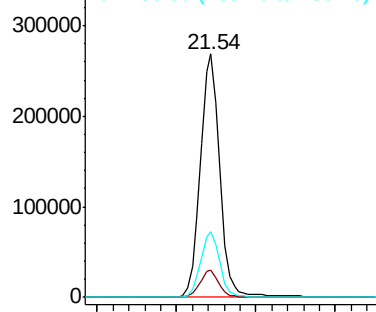


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Benzidine

Concen: 1.997 ng

RT: 19.91 min Scan# 2863

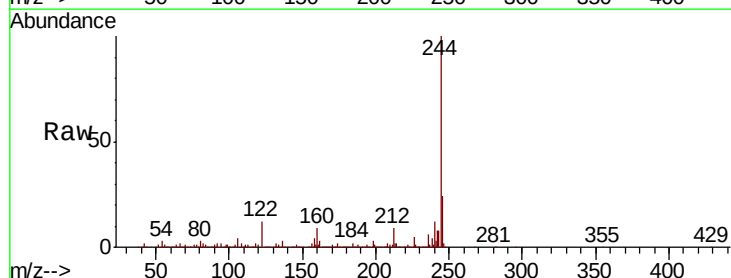
Delta R.T. 0.38 min

Lab File: BG044257.D

Acq: 31 Jan 2020 13:03

Tgt Ion:184 Resp: 25259

Ion	Ratio	Lower	Upper
184	100		
185	15.5	12.9	19.3
183	5.5	10.8	16.2#

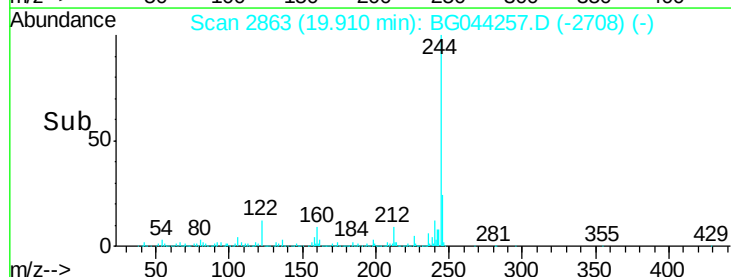
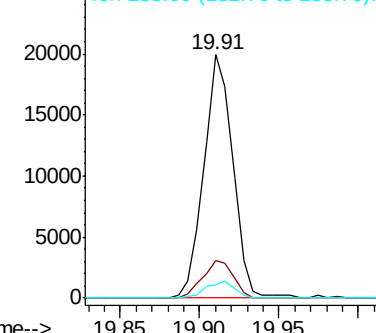


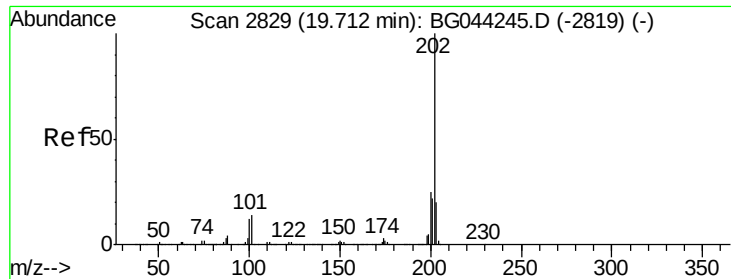
Abundance

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

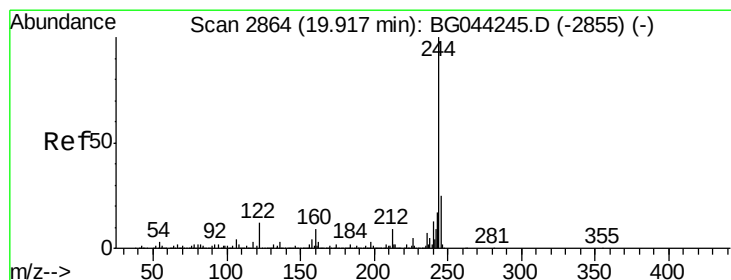
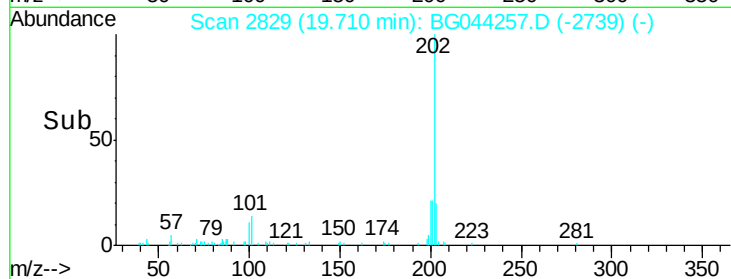
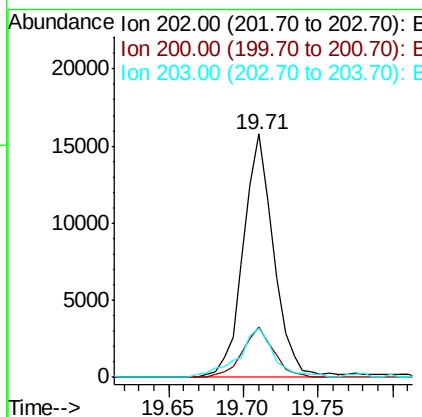
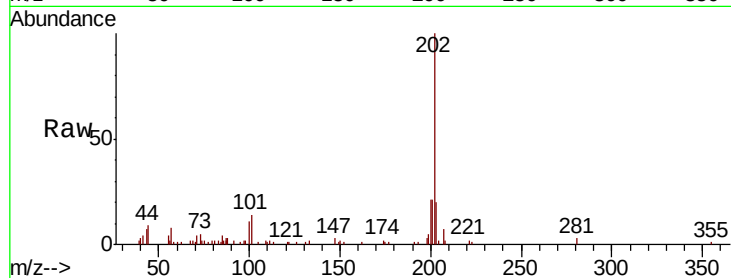




#78
Pvrene
Concen: 0.765 ng
RT: 19.71 min Scan# 2829
Delta R.T. -0.00 min
Lab File: BG044257.D
Acq: 31 Jan 2020 13:03

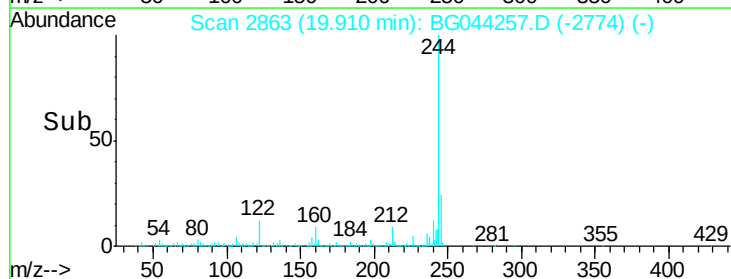
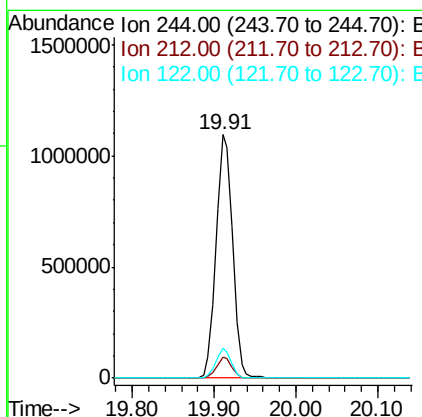
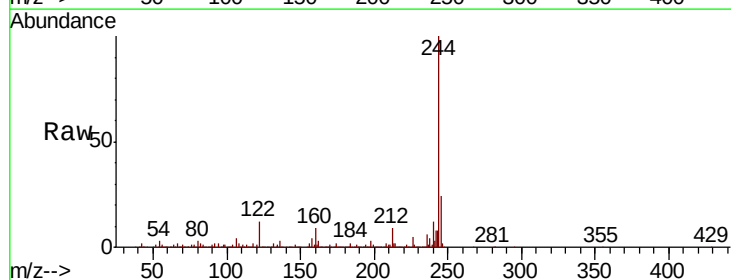
Instrument :
BNA_G
ClientSampleId :

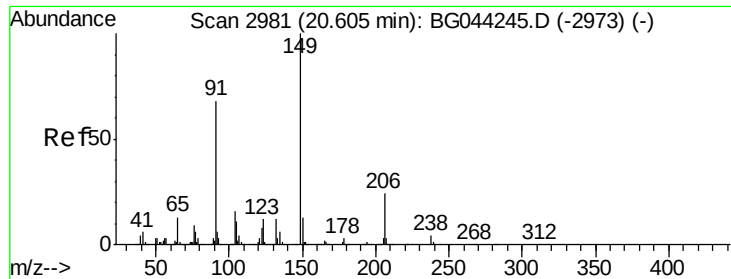
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.8	20.0	30.0
203	20.1	16.2	24.2



#79
Terphenyl-d14
Concen: 69.978 ng
RT: 19.91 min Scan# 2863
Delta R.T. -0.01 min
Lab File: BG044257.D
Acq: 31 Jan 2020 13:03

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.8	7.4	11.2
122	12.4	9.8	14.6

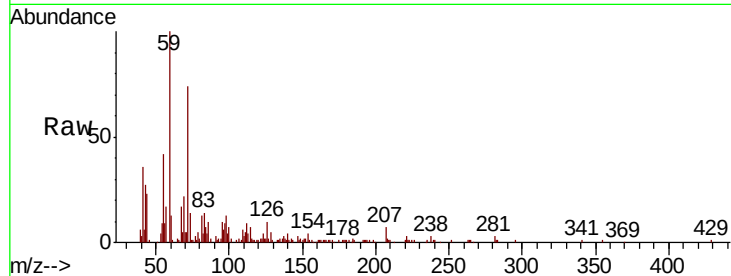




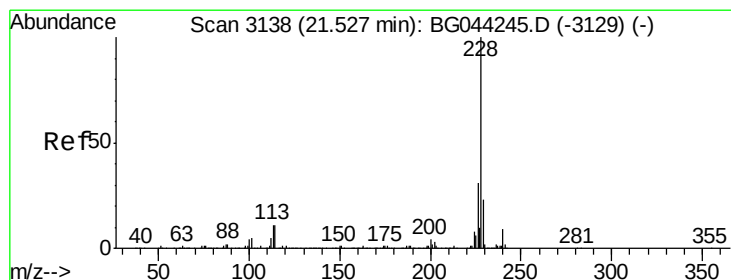
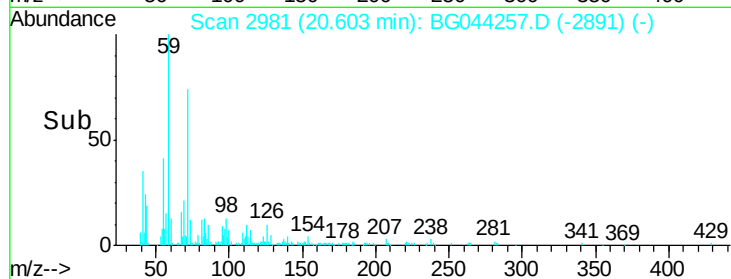
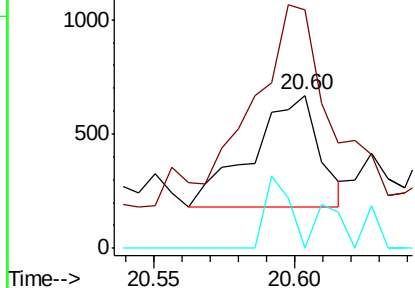
#80
Butylbenzylphthalate
Concen: 0.061 ng
RT: 20.60 min Scan# 2981
Delta R.T. -0.00 min
Lab File: BG044257.D
Acq: 31 Jan 2020 13:03

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
149	100		
91	156.1	54.5	81.7#
206	0.0	19.1	28.7#

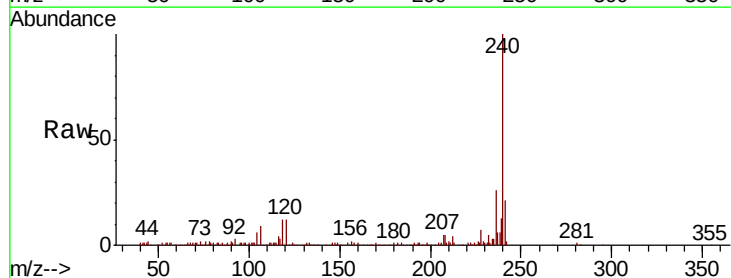


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BG
Ion 206.00 (205.70 to 206.70): E

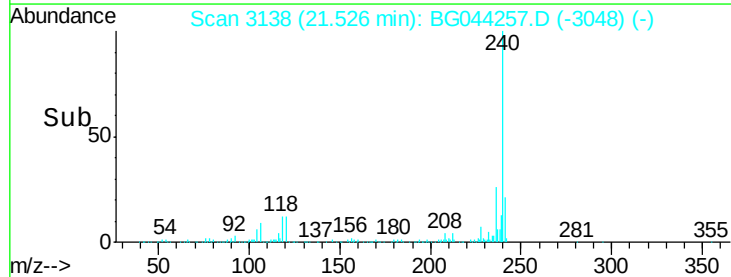
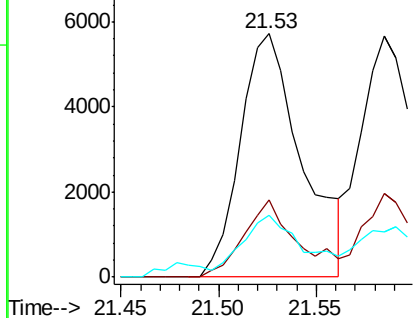


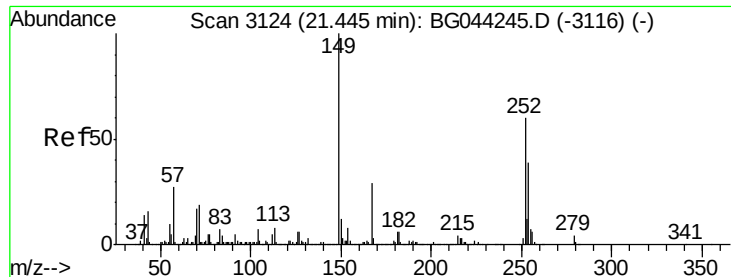
#81
Benzo(a)anthracene
Concen: 0.444 ng
RT: 21.53 min Scan# 3138
Delta R.T. -0.00 min
Lab File: BG044257.D
Acq: 31 Jan 2020 13:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	24.7	37.1
229	25.6	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: 0.006 ng

RT: 21.58 min Scan# 3148

Delta R.T. 0.14 min

Lab File: BG044257.D

Acq: 31 Jan 2020 13:03

Instrument :

BNA_G

ClientSampled :

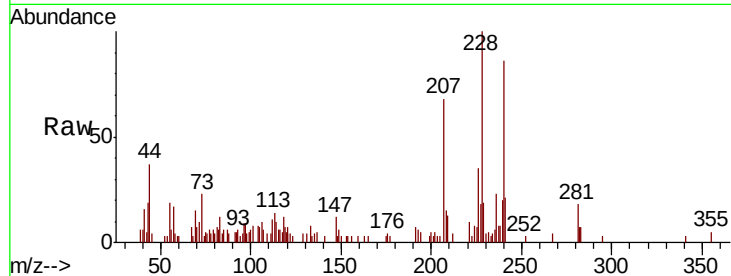
Tot Ion:252 Resp: 62

Ion Ratio Lower Upper

252 100

254 0.0 52.6 78.8#

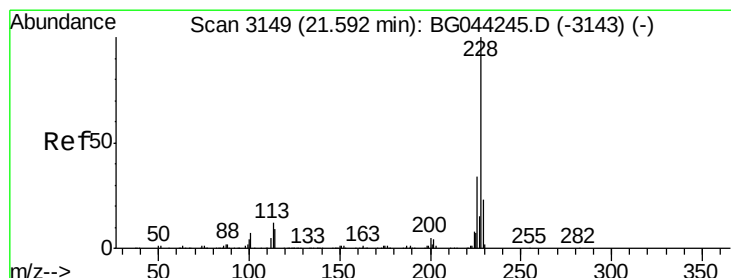
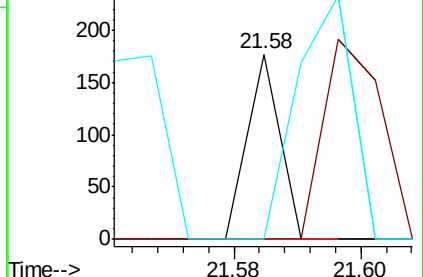
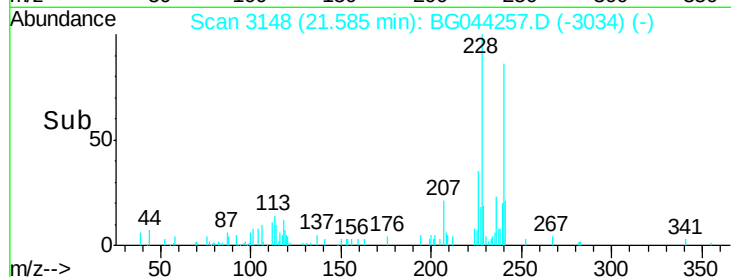
126 0.0 8.2 12.4#



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: 0.398 ng

RT: 21.58 min Scan# 3148

Delta R.T. -0.01 min

Lab File: BG044257.D

Acq: 31 Jan 2020 13:03

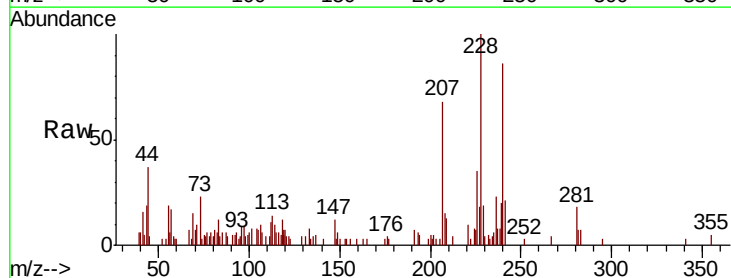
Tgt Ion:228 Resp: 10801

Ion Ratio Lower Upper

228 100

226 35.0 27.1 40.7

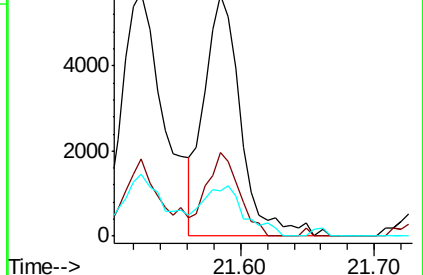
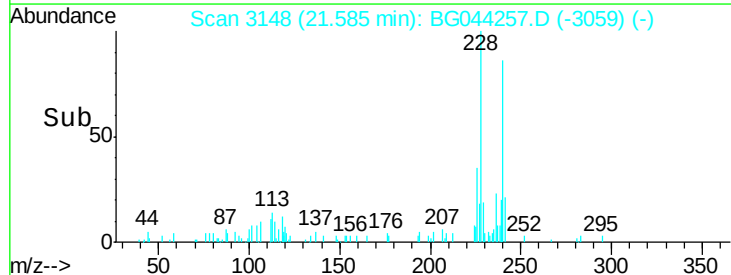
229 19.0 17.9 26.9

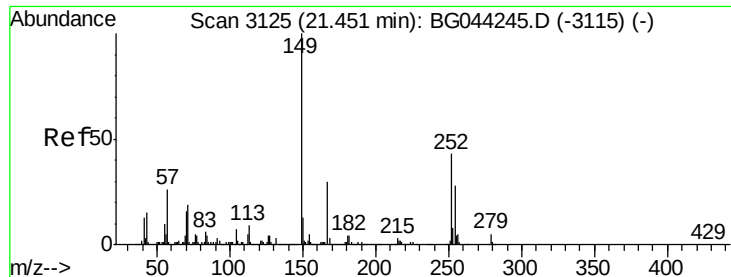


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

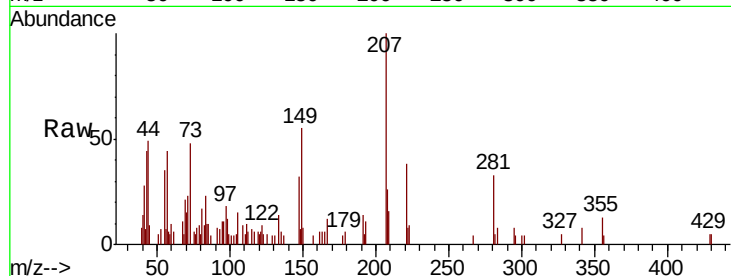




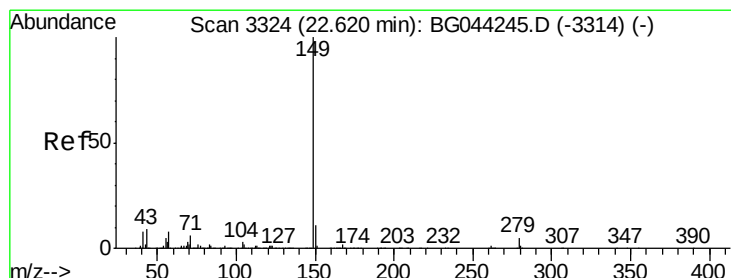
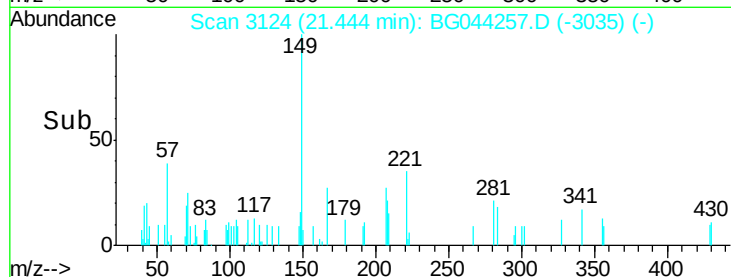
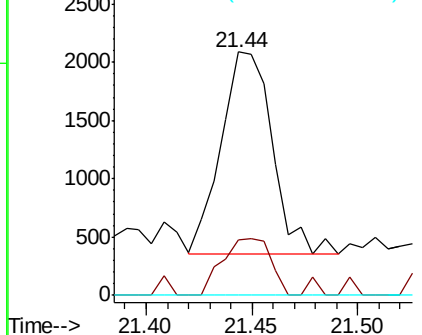
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 0.158 ng
 RT: 21.44 min Scan# 3124
 Delta R.T. -0.01 min
 Lab File: BG044257.D
 Acq: 31 Jan 2020 13:03

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:149 Resp: 2901
 Ion Ratio Lower Upper
 149 100
 167 22.6 24.0 36.0#
 279 0.0 3.8 5.8#

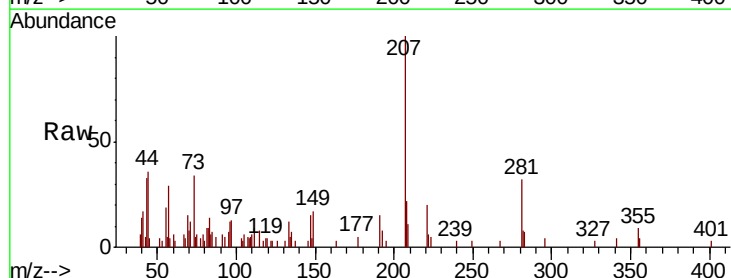


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

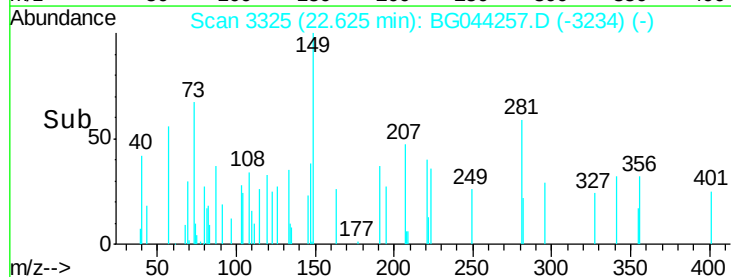
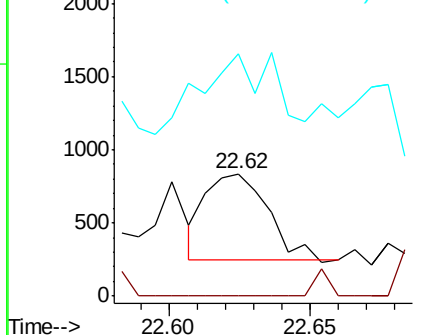


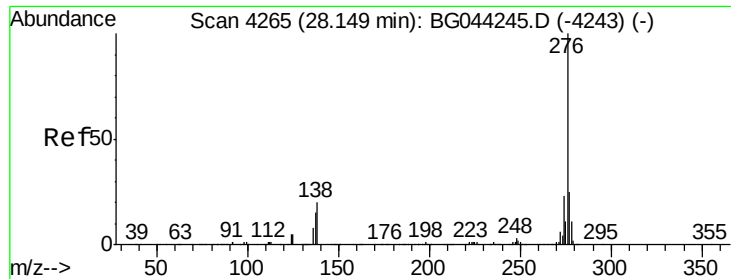
#85
 Di-n-octyl phthalate
 Concen: 0.028 ng
 RT: 22.62 min Scan# 3325
 Delta R.T. 0.00 min
 Lab File: BG044257.D
 Acq: 31 Jan 2020 13:03

Tgt Ion:149 Resp: 898
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.3 1.9#
 43 108.7 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): BG0

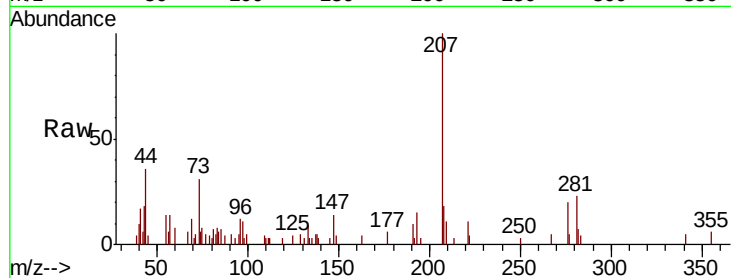




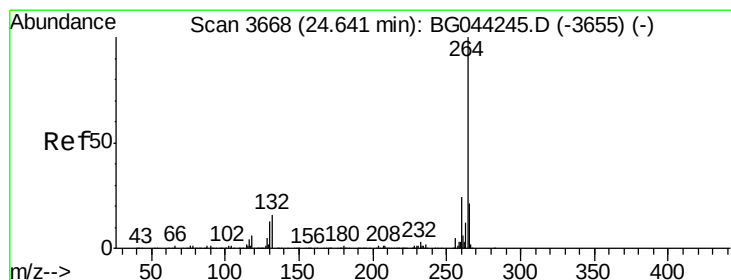
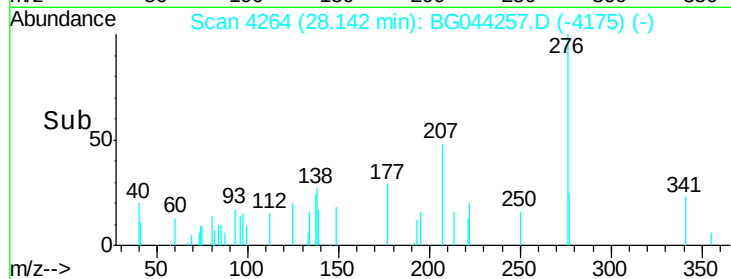
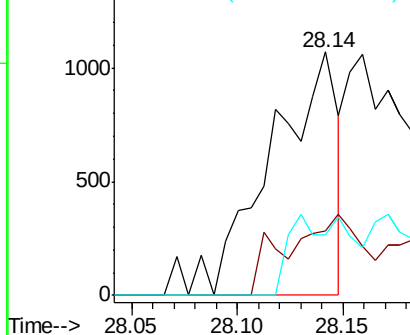
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 0.066 ng
 RT: 28.14 min Scan# 4264
 Delta R.T. -0.01 min
 Lab File: BG044257.D
 Acq: 31 Jan 2020 13:03

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:276 Resp: 2343
 Ion Ratio Lower Upper
 276 100
 138 27.5 19.4 29.0
 277 17.3 21.0 31.6#

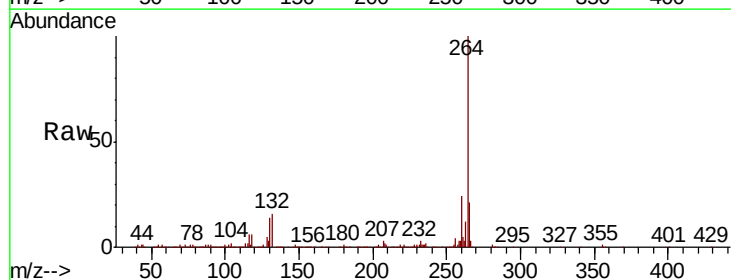


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

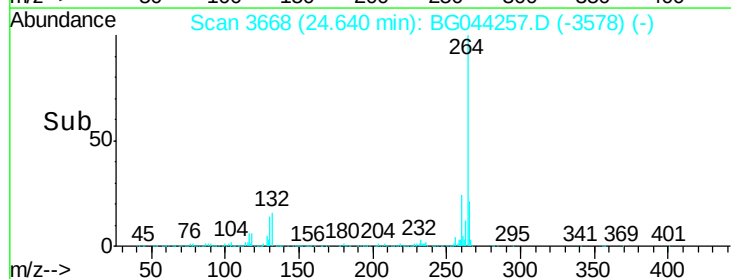
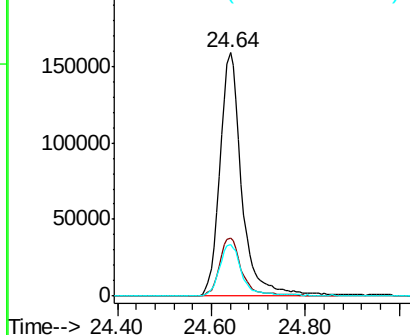


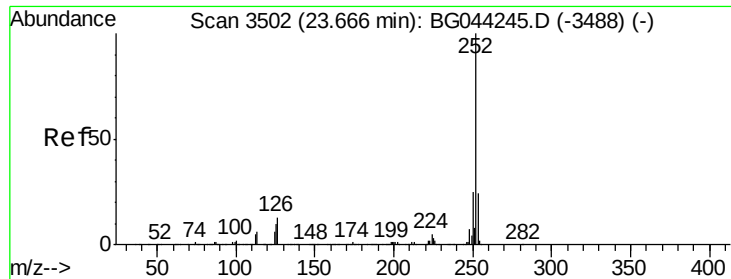
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.64 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: BG044257.D
 Acq: 31 Jan 2020 13:03

Tgt Ion:264 Resp: 515223
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.4 29.2
 265 21.1 16.7 25.1



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: 0.476 ng

RT: 23.67 min Scan# 3503

Delta R.T. 0.00 min

Lab File: BG044257.D

Acq: 31 Jan 2020 13:03

Instrument :

BNA_G

ClientSampleId :

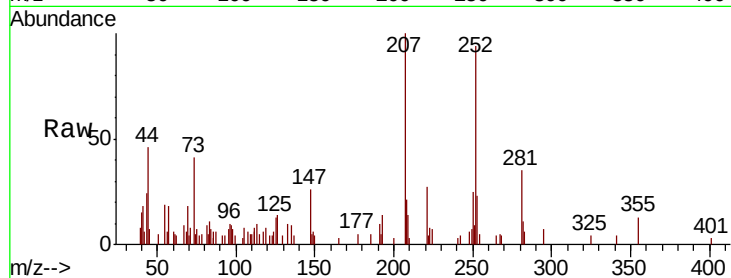
Tot Ion:252 Resp: 14146

Ion Ratio Lower Upper

252 100

253 24.6 19.2 28.8

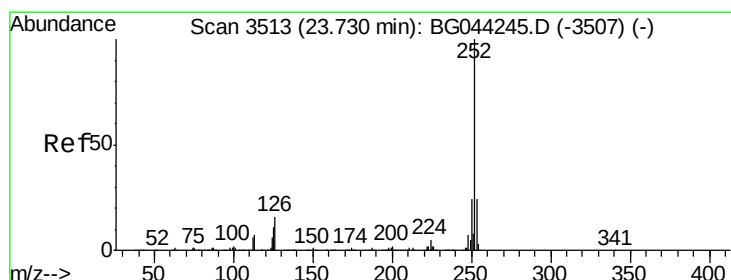
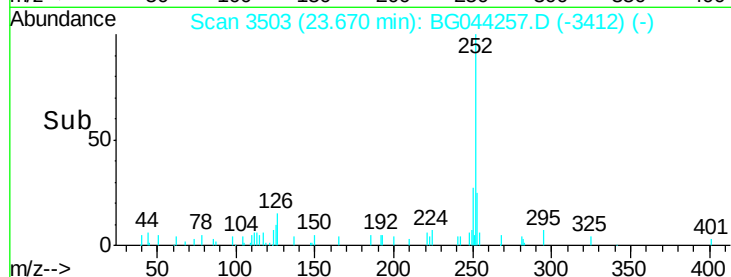
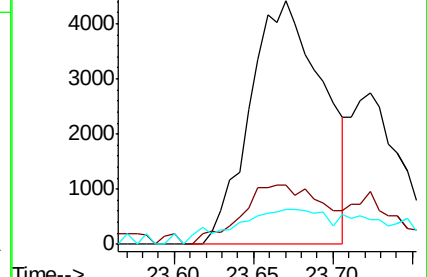
125 14.2 8.4 12.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 0.489 ng

RT: 23.67 min Scan# 3503

Delta R.T. -0.06 min

Lab File: BG044257.D

Acq: 31 Jan 2020 13:03

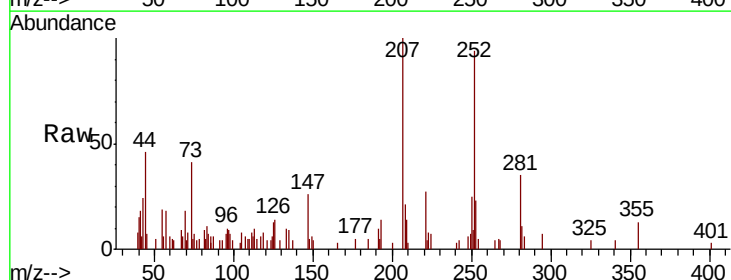
Tgt Ion:252 Resp: 14146

Ion Ratio Lower Upper

252 100

253 24.6 19.1 28.7

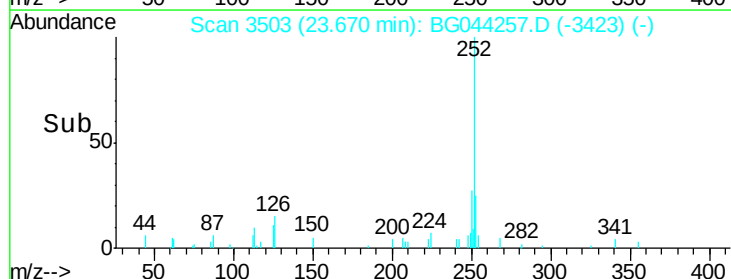
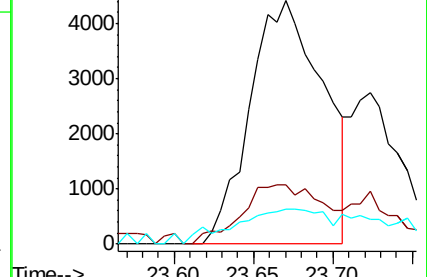
125 14.2 8.6 12.8#

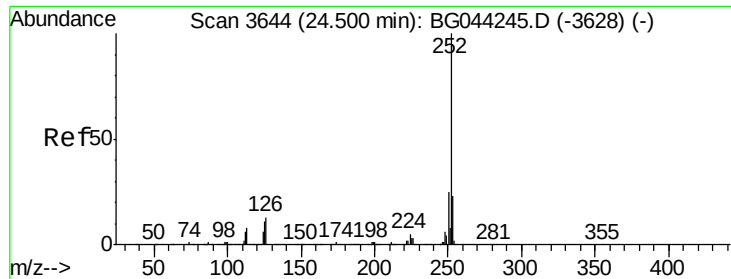


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 0.445 ng

RT: 24.50 min Scan# 3644

Delta R.T. -0.00 min

Lab File: BG044257.D

Acq: 31 Jan 2020 13:03

Instrument :

BNA_G

ClientSampleId :

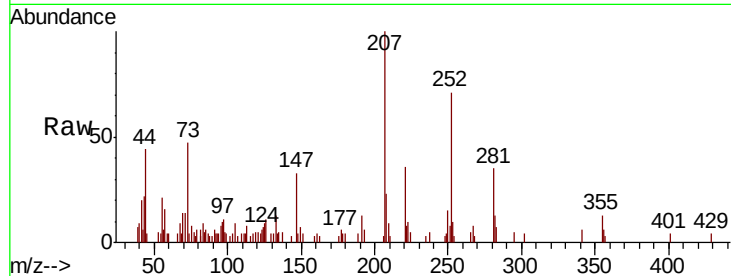
Tot Ion:252 Resp: 12480

Ion Ratio Lower Upper

252 100

253 14.2 18.1 27.1#

125 12.5 8.6 13.0

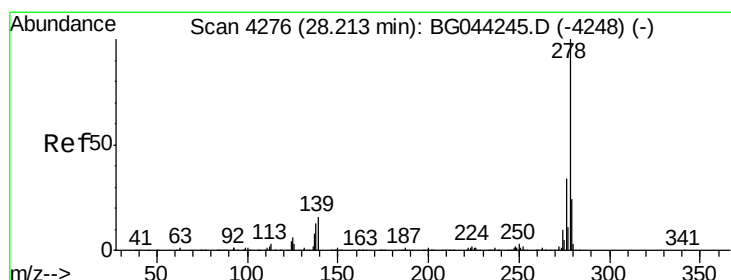
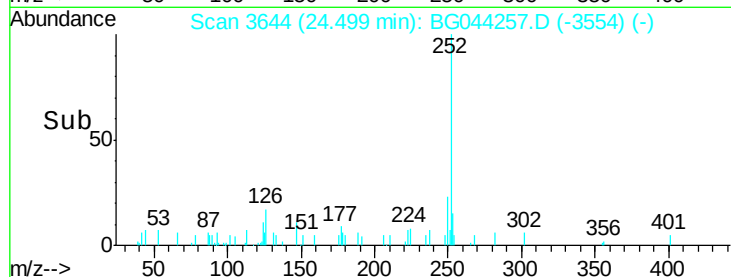
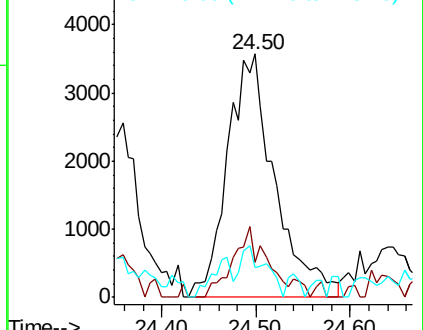


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 0.020 ng

RT: 28.19 min Scan# 4272

Delta R.T. -0.02 min

Lab File: BG044257.D

Acq: 31 Jan 2020 13:03

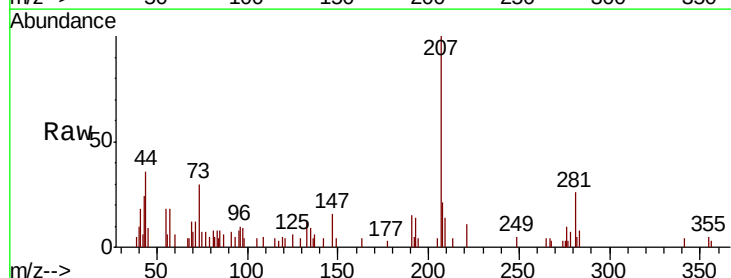
Tgt Ion:278 Resp: 568

Ion Ratio Lower Upper

278 100

139 0.0 12.7 19.1#

279 0.0 19.3 28.9#

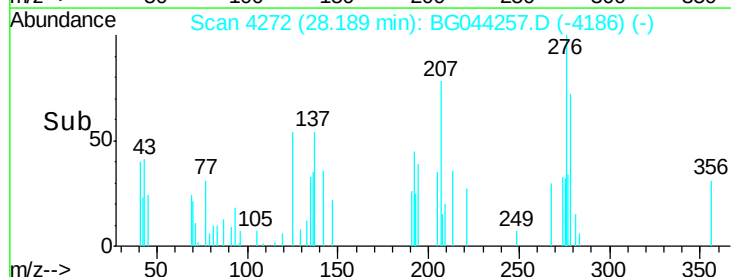
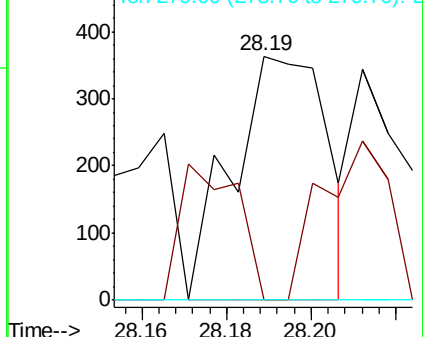


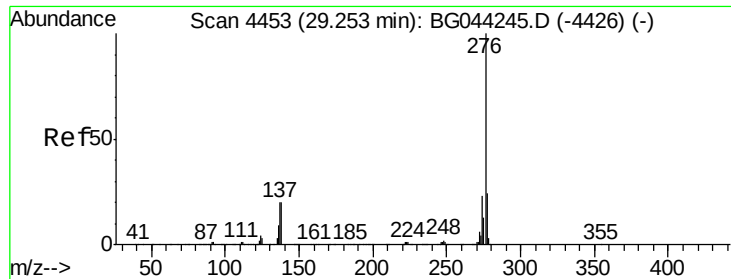
Abundance

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(a,h,i)perylene

Concen: 0.103 ng

RT: 29.24 min Scan# 4451

Delta R.T. -0.01 min

Lab File: BG044257.D

Acq: 31 Jan 2020 13:03

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 276 Resp: 2877

Ion Ratio Lower Upper

276 100

277 24.9 18.8 28.2

138 41.4 16.2 24.2#

