

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG013120\
 Data File : BG044266.D
 Acq On : 31 Jan 2020 19:05
 Operator : CG/JU
 Sample : L1331-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 31 23:32:08 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	7.91	152	68599	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	312635	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	243972	20.00	ng	0.00
64) Phenanthrene-d10	17.29	188	534043	20.00	ng	0.00
76) Chrysene-d12	21.54	240	467750	20.00	ng	0.00
87) Perylene-d12	24.64	264	525999	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	424445	109.20	ng	0.00
7) Phenol-d6	7.08	99	607908	116.47	ng	0.00
23) Nitrobenzene-d5	9.07	82	368166	66.48	ng	0.00
42) 2,4,6-Tribromophenol	16.04	330	286863	100.16	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	970848	66.64	ng	0.00
79) Terphenyl-d14	19.92	244	1495888	65.78	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.38	88	257	0.147	ng	# 1
3) Pyridine	3.75	79	59	0.013	ng	# 1
4) n-Nitrosodimethylamine	3.69	42	412	0.212	ng	# 1
6) Aniline	7.11	93	129	0.020	ng	# 1
9) Benzaldehyde	7.08	77	1156	0.389	ng	# 1
10) Phenol	7.11	94	26880	5.204	ng	92
11) bis(2-Chloroethyl)ether	7.11	93	129	0.029	ng	# 1
15) Benzyl Alcohol	8.24	79	5311	1.437	ng	# 44
19) n-Nitroso-di-n-propylamine	9.07	70	46098	13.252	ng	# 76
22) Acetophenone	8.73	105	147	0.019	ng	# 32
24) Nitrobenzene	9.15	77	55	0.010	ng	# 36
25) Isophorone	9.63	82	118	0.011	ng	# 64
35) Caprolactam	11.70	113	211	0.120	ng	# 29
46) 1,1'-Biphenyl	13.39	154	2606	0.148	ng	93
48) 2-Nitroaniline	14.00	65	1214	0.294	ng	# 1
50) Dimethylphthalate	14.00	163	157586	8.986	ng	98
51) 2,6-Dinitrotoluene	14.00	165	1446	0.370	ng	# 22
52) Acenaphthene	14.55	154	831	0.062	ng	# 5
57) 2,4-Dinitrotoluene	14.55	165	31489	5.746	ng	# 27
58) Fluorene	16.04	166	12107	0.763	ng	# 91
60) Diethylphthalate	15.37	149	213	0.012	ng	# 57
63) Azobenzene	16.04	77	1674	0.109	ng	# 33
65) 4,6-Dinitro-2-methylphenol	16.04	198	770	0.261	ng	# 1
66) n-Nitrosodiphenylamine	16.04	169	10185	0.681	ng	# 51
67) 4-Bromophenyl-phenylether	16.04	248	19679	3.382	ng	# 1
71) Phenanthrene	17.32	178	476	0.018	ng	# 57
72) Anthracene	17.32	178	476	0.019	ng	# 57
73) Carbazole	17.31	167	56	0.002	ng	# 56
74) Di-n-butylphthalate	18.27	149	922	0.032	ng	# 75
75) Fluoranthene	19.35	202	357	0.012	ng	62
77) Benzidine	19.92	184	23869	1.840	ng	# 90
78) Pyrene	19.71	202	339	0.011	ng	# 68
80) Butylbenzylphthalate	20.61	149	132	0.010	ng	# 56
81) Benzo(a)anthracene	21.53	228	1922	0.067	ng	# 61

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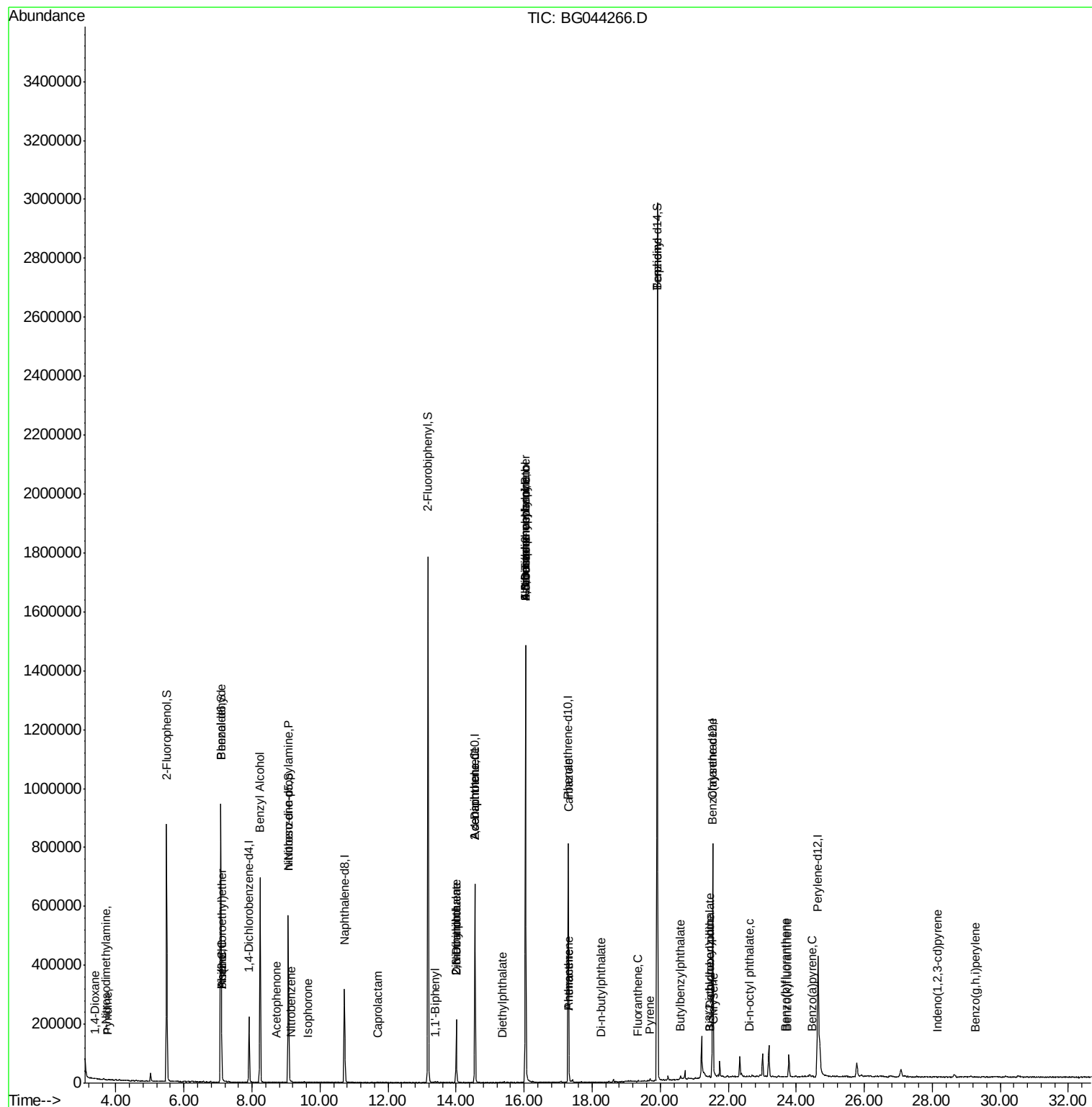
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 3,3'-Dichlorobenzidine	21.45	252	111	0.010	nq	# 25
83) Chrysene	21.58	228	337	0.012	nq	# 46
84) Bis(2-ethylhexyl)phthalate	21.45	149	3075	0.163	nq	# 94
85) Di-n-octyl phthalate	22.61	149	1661	0.051	nq	# 78
86) Indeno(1,2,3-cd)pyrene	28.14	276	379	0.010	nq	# 50
88) Benzo(b)fluoranthene	23.68	252	1304	0.043	nq	# 58
89) Benzo(k)fluoranthene	23.73	252	1117	0.038	nq	# 57
90) Benzo(a)pyrene	24.48	252	354	0.012	nq	# 59
92) Benzo(a,h,i)perylene	29.25	276	129	0.005	nq	# 54

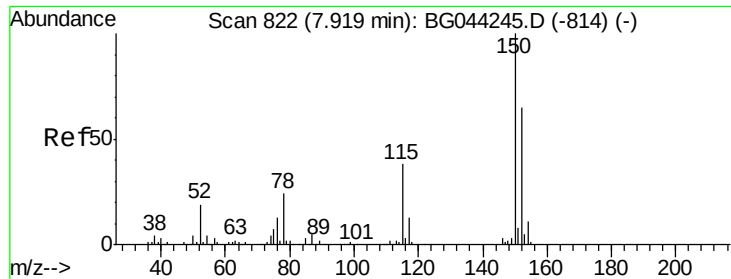
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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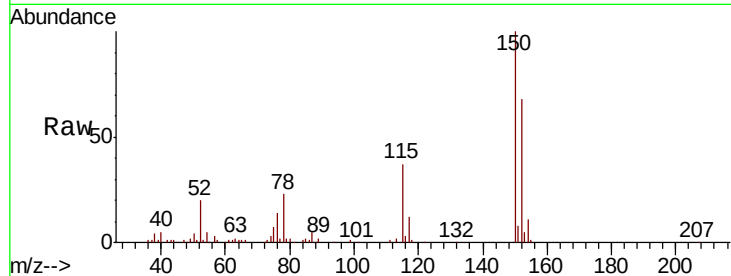


#1

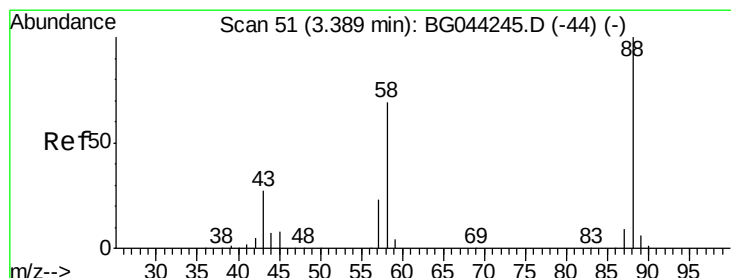
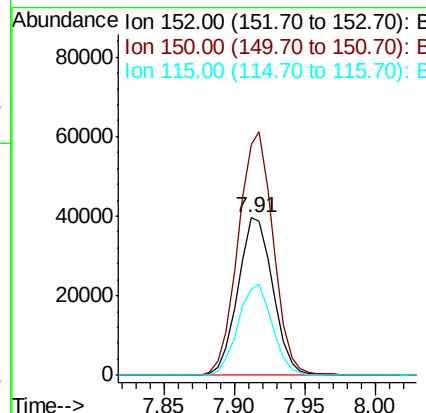
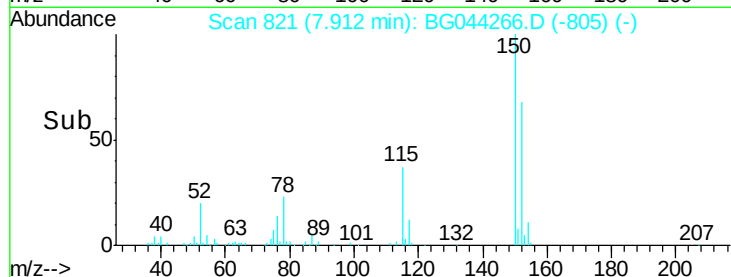
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.91 min Scan# 821
Delta R.T. -0.01 min
Lab File: BG044266.D
Acq: 31 Jan 2020 19:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 68599
Ion Ratio Lower Upper
152 100
150 147.0 122.6 183.8
115 55.0 46.0 69.0



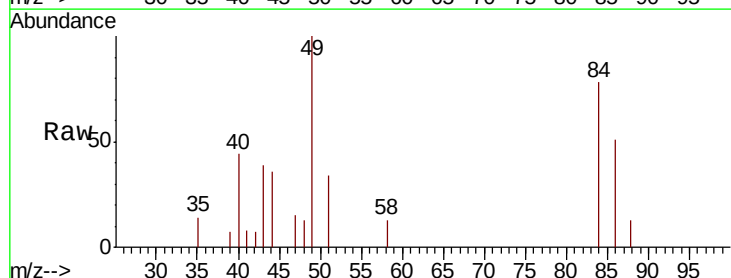
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



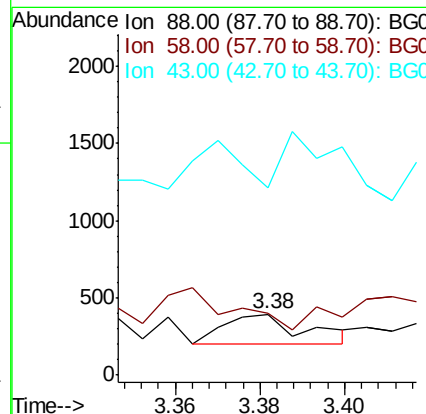
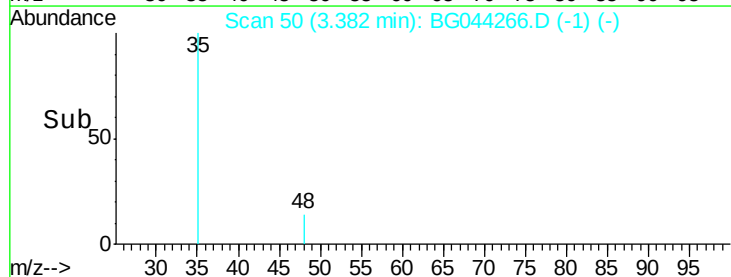
#2

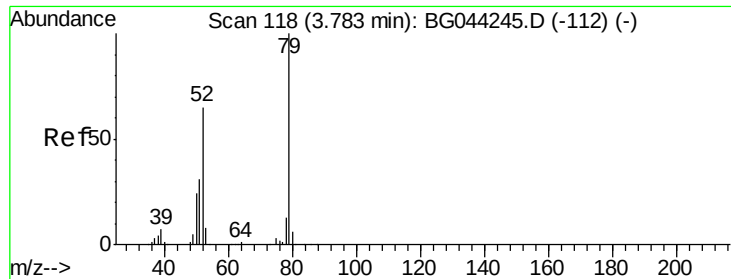
1,4-Dioxane
Concen: 0.147 ng
RT: 3.38 min Scan# 50
Delta R.T. -0.01 min
Lab File: BG044266.D
Acq: 31 Jan 2020 19:05

Tgt Ion: 88 Resp: 257
Ion Ratio Lower Upper
88 100
58 0.0 55.8 83.6#
43 161.5 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: 0.013 ng

RT: 3.75 min Scan# 112

Delta R.T. -0.04 min

Lab File: BG044266.D

Acq: 31 Jan 2020 19:05

Instrument :

BNA_G

ClientSampled :

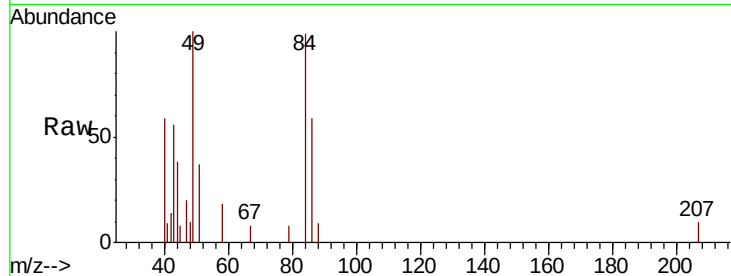
Tot Ion: 79 Resp: 59

Ion Ratio Lower Upper

79 100

52 0.0 51.9 77.9#

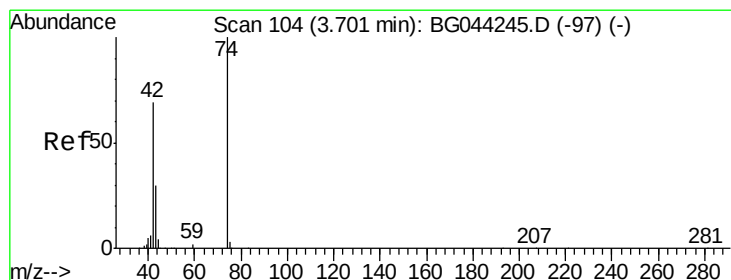
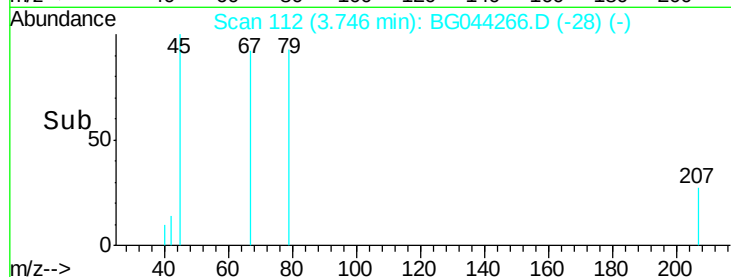
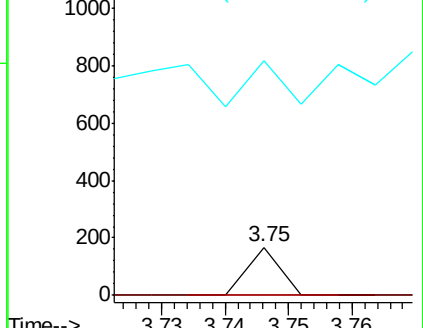
51 486.9 25.3 37.9#



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: 0.212 ng

RT: 3.69 min Scan# 102

Delta R.T. -0.01 min

Lab File: BG044266.D

Acq: 31 Jan 2020 19:05

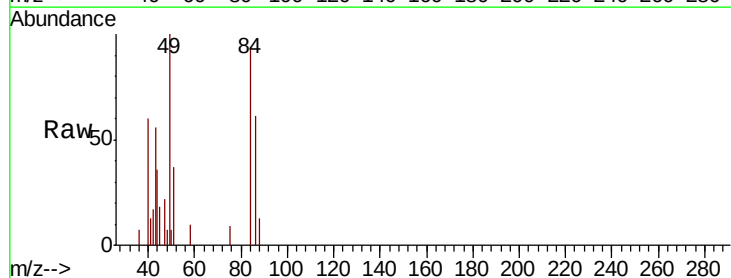
Tgt Ion: 42 Resp: 412

Ion Ratio Lower Upper

42 100

74 0.0 115.1 172.7#

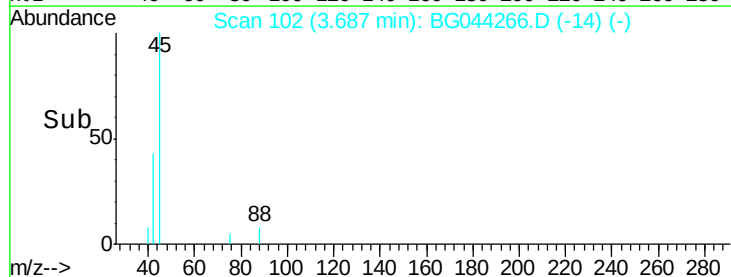
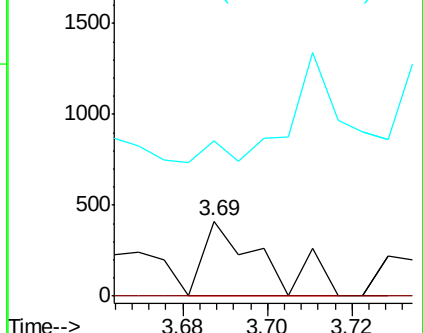
44 207.5 5.6 8.4#

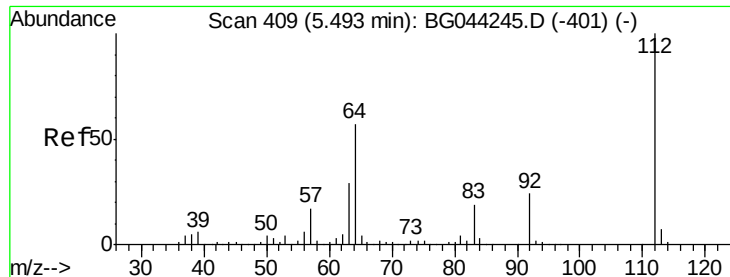


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 109.197 ng

RT: 5.49 min Scan# 409

Delta R.T. -0.00 min

Lab File: BG044266.D

Acq: 31 Jan 2020 19:05

Instrument :

BNA_G

ClientSampleId :

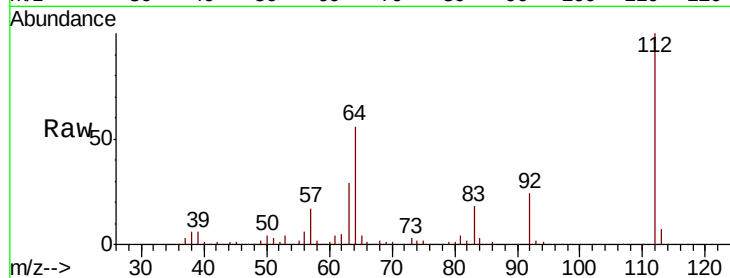
Tot Ion:112 Resp: 424445

Ion Ratio Lower Upper

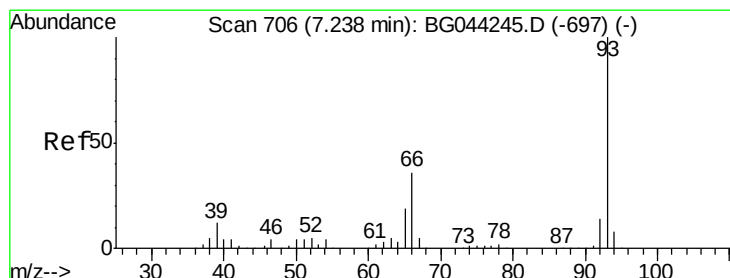
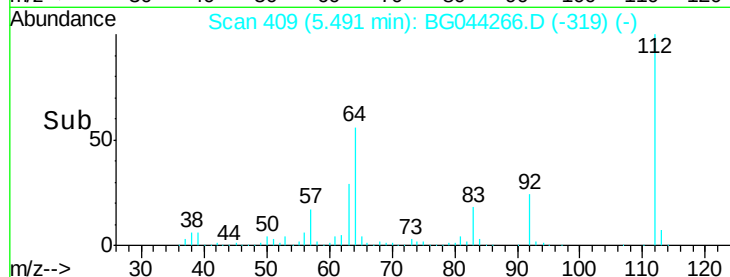
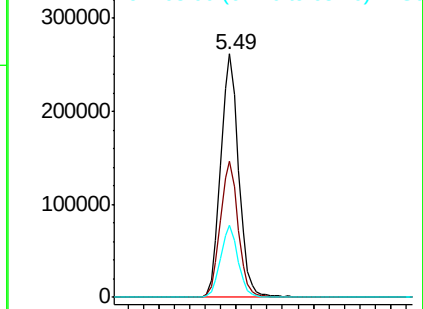
112 100

64 55.7 45.4 68.2

63 29.5 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: 0.020 ng

RT: 7.11 min Scan# 685

Delta R.T. -0.13 min

Lab File: BG044266.D

Acq: 31 Jan 2020 19:05

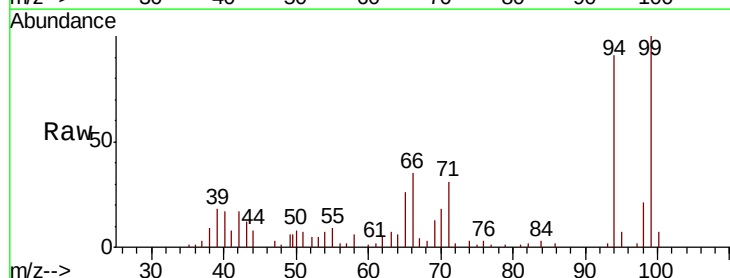
Tgt Ion: 93 Resp: 129

Ion Ratio Lower Upper

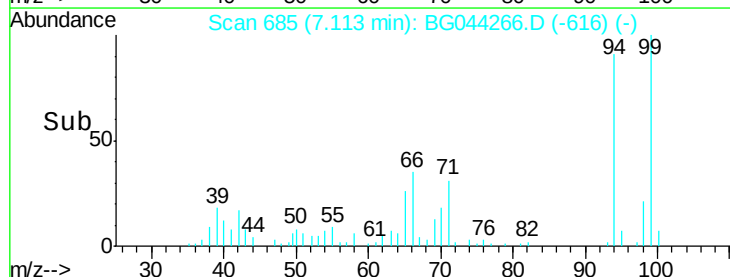
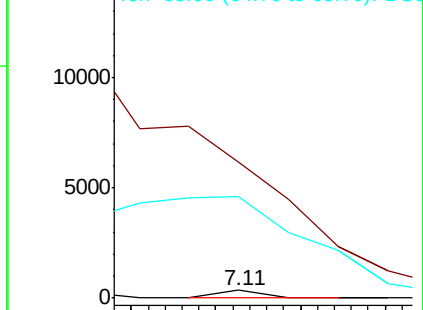
93 100

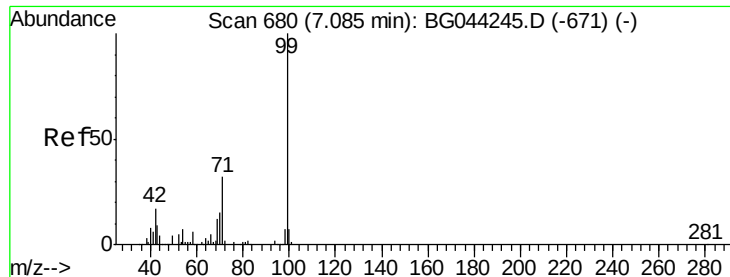
66 1691.0 28.7 43.1#

65 1257.0 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: 116.466 ng

RT: 7.08 min Scan# 680

Delta R.T. -0.00 min

Lab File: BG044266.D

Acq: 31 Jan 2020 19:05

Instrument :

BNA_G

ClientSampleId :

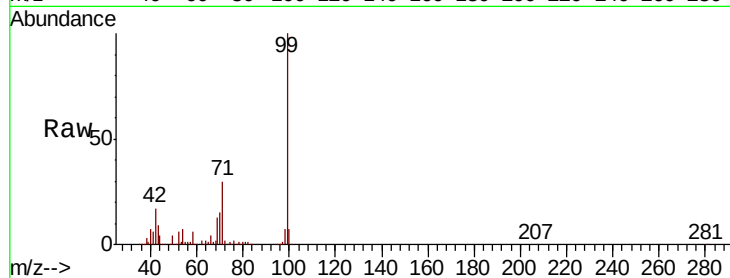
Tot Ion: 99 Resp: 607908

Ion Ratio Lower Upper

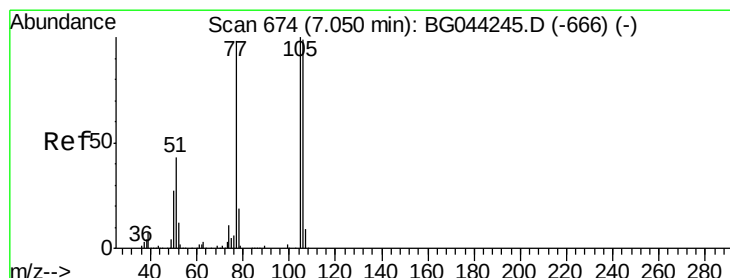
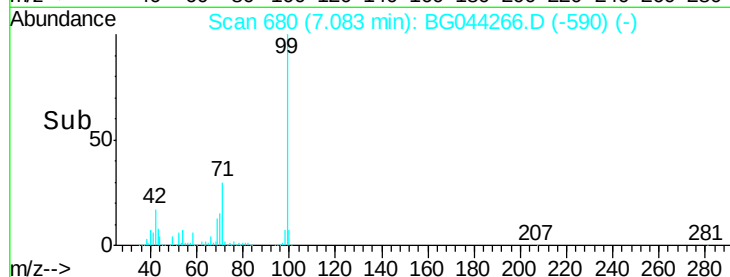
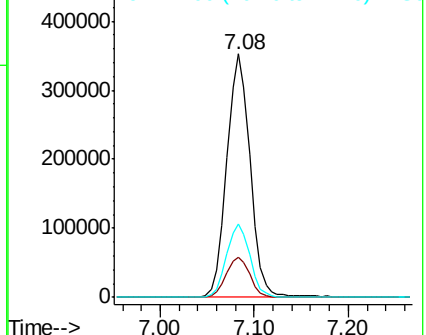
99 100

42 16.7 13.8 20.6

71 29.9 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: 0.389 ng

RT: 7.08 min Scan# 680

Delta R.T. 0.03 min

Lab File: BG044266.D

Acq: 31 Jan 2020 19:05

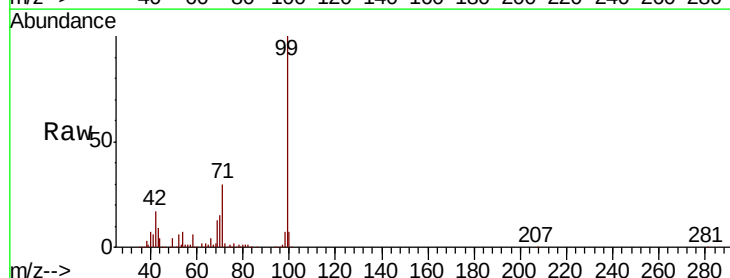
Tgt Ion: 77 Resp: 1156

Ion Ratio Lower Upper

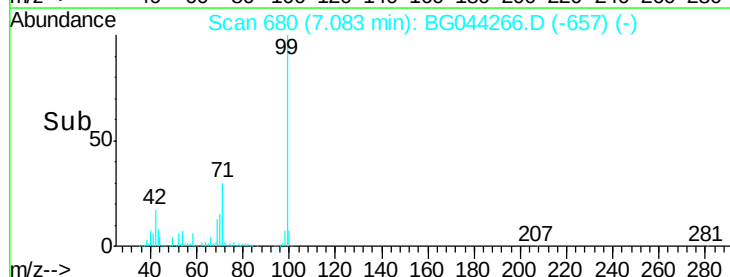
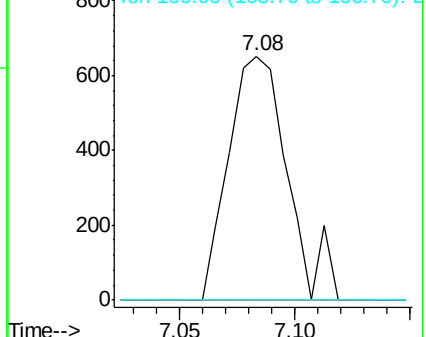
77 100

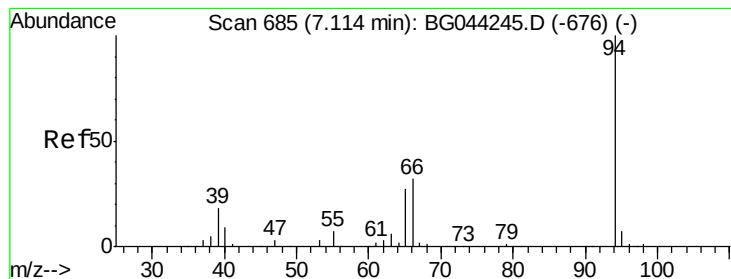
105 0.0 82.0 122.0#

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: 5.204 ng

RT: 7.11 min Scan# 685

Delta R.T. -0.00 min

Lab File: BG044266.D

Acq: 31 Jan 2020 19:05

Instrument :

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ClientSampleId :

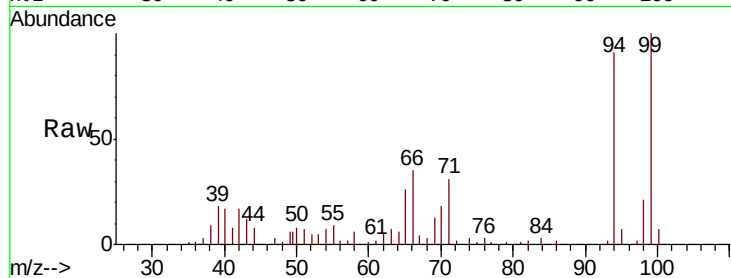
Tot Ion: 94 Resp: 26880

Ion Ratio Lower Upper

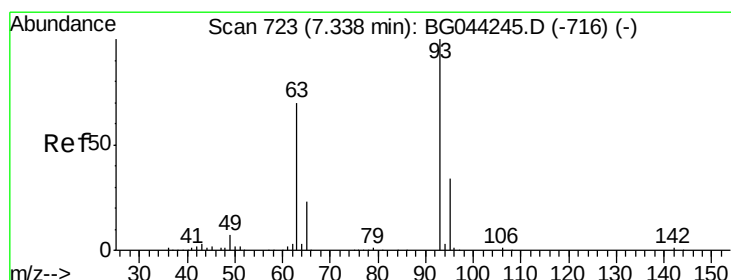
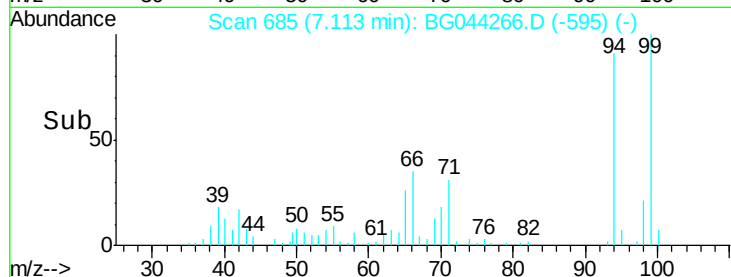
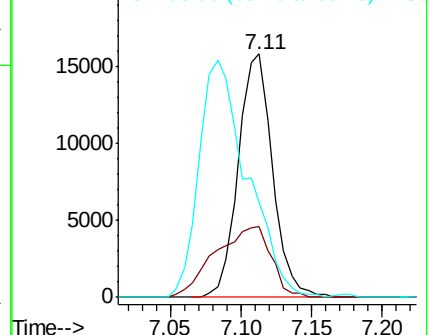
94 100

65 28.9 7.0 47.0

66 38.9 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: 0.029 ng

RT: 7.11 min Scan# 685

Delta R.T. -0.23 min

Lab File: BG044266.D

Acq: 31 Jan 2020 19:05

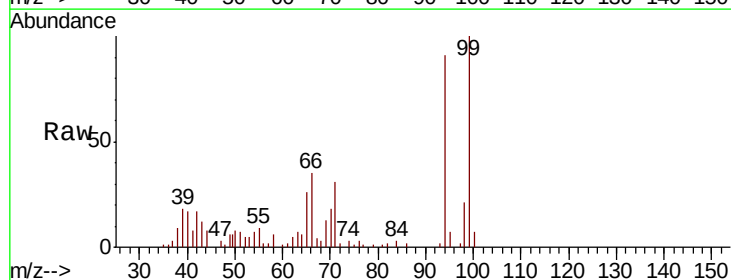
Tgt Ion: 93 Resp: 129

Ion Ratio Lower Upper

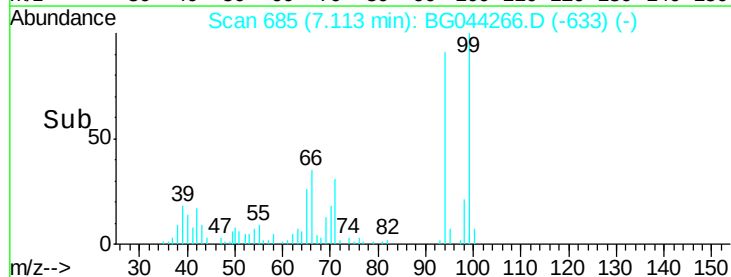
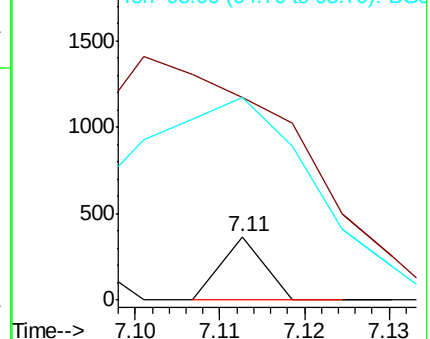
93 100

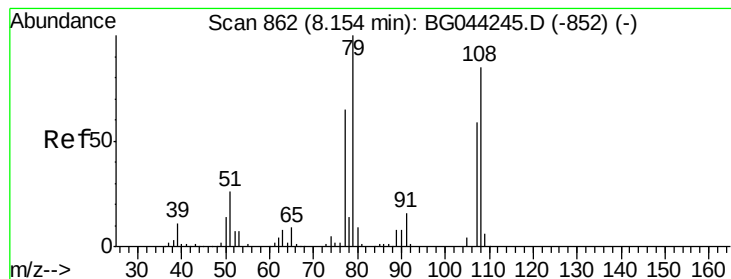
63 321.9 49.2 89.2#

95 321.9 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: 1.437 ng

RT: 8.24 min Scan# 877

Delta R.T. 0.09 min

Lab File: BG044266.D

Acq: 31 Jan 2020 19:05

Instrument :

BNA_G

ClientSampleId :

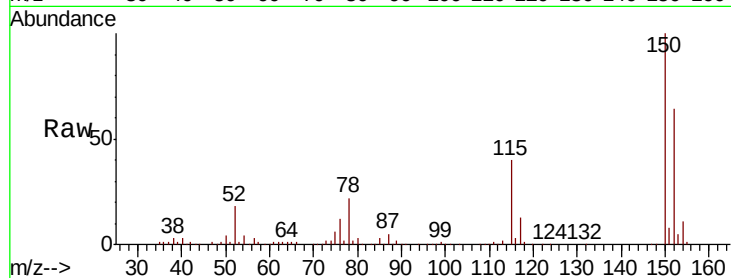
Tot Ion: 79 Resp: 5311

Ion Ratio Lower Upper

79 100

108 30.5 68.3 102.5#

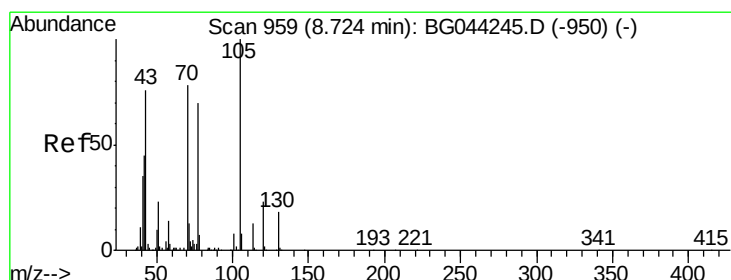
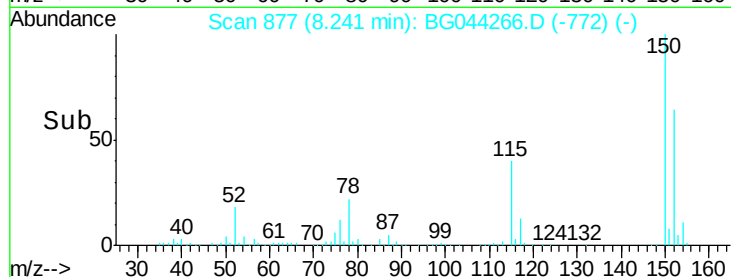
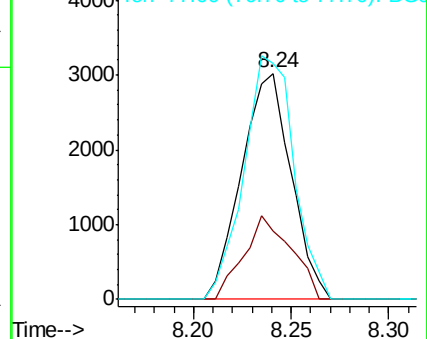
77 104.5 51.8 77.8#



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.252 ng

RT: 9.07 min Scan# 1018

Delta R.T. 0.34 min

Lab File: BG044266.D

Acq: 31 Jan 2020 19:05

Tgt Ion: 70 Resp: 46098

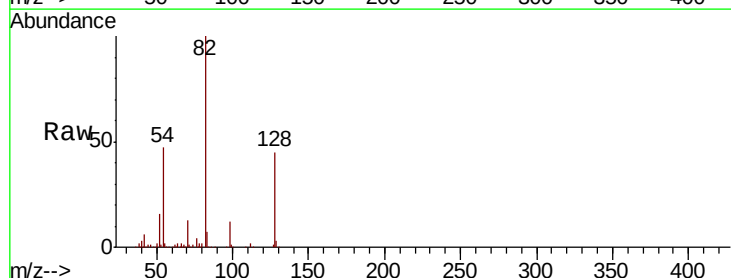
Ion Ratio Lower Upper

70 100

42 44.8 46.2 69.2#

101 0.0 8.4 12.6#

130 2.6 17.8 26.8#

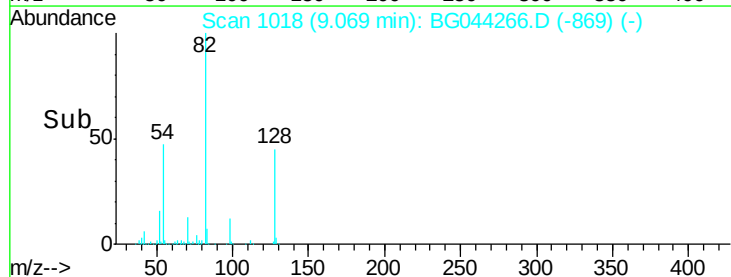
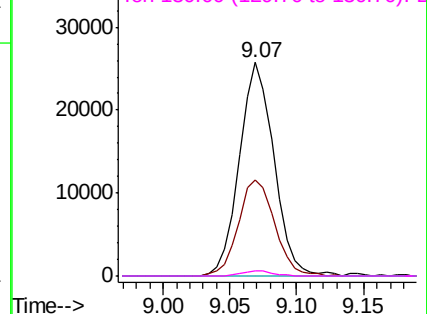


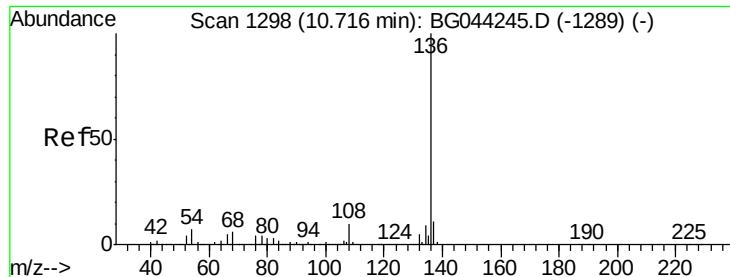
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

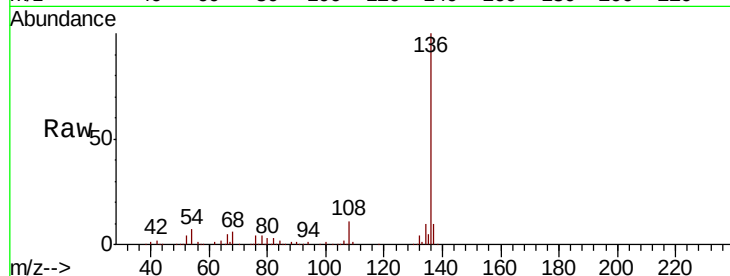




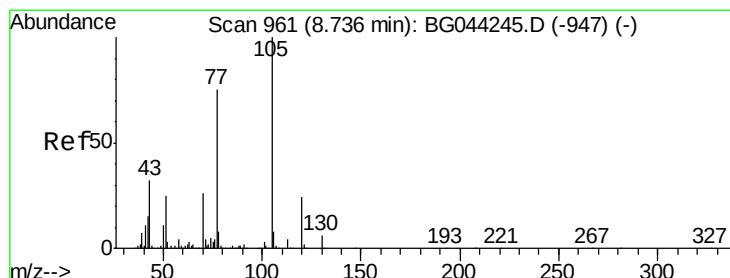
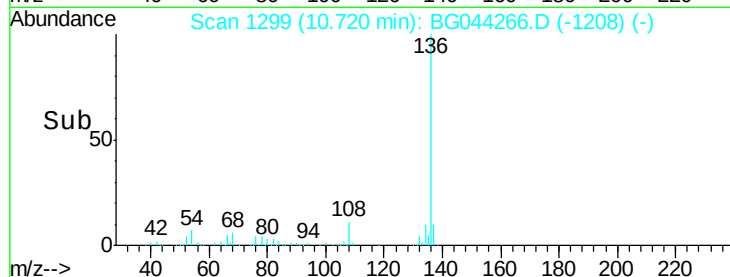
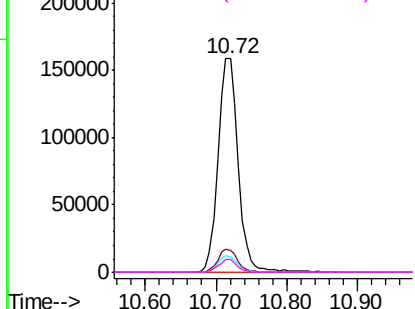
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BG044266.D
Acq: 31 Jan 2020 19:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	312635
Ion Ratio	Lower	Upper
136 100		
137 10.4	8.8	13.2
54 7.4	5.8	8.8
68 6.2	4.6	6.8

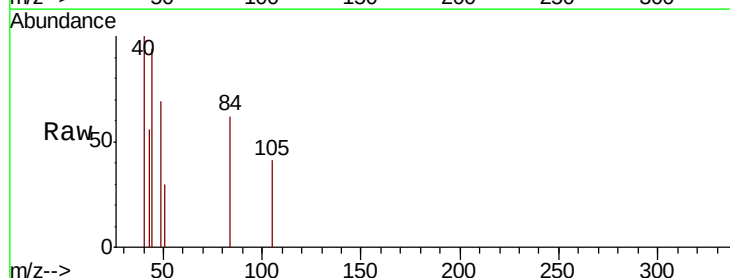


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

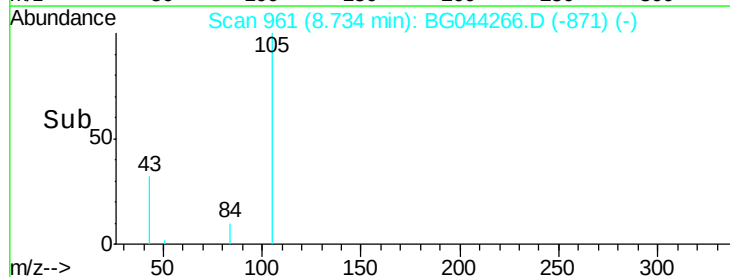
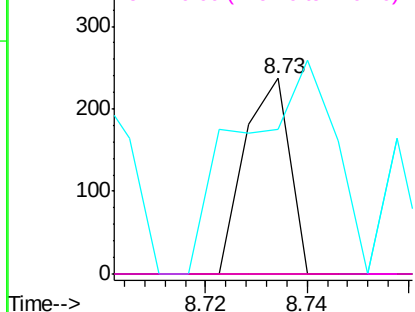


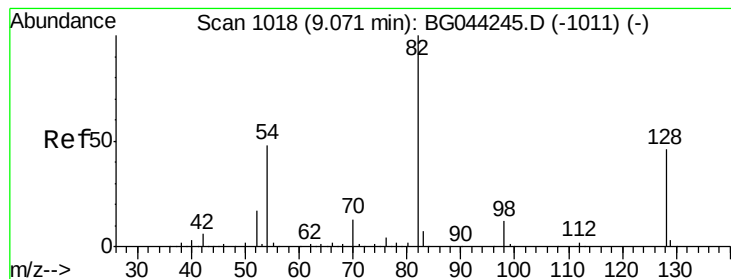
#22
Acetophenone
Concen: 0.019 ng
RT: 8.73 min Scan# 961
Delta R.T. -0.00 min
Lab File: BG044266.D
Acq: 31 Jan 2020 19:05

Tgt	Ion:105	Resp:	147
Ion	Ratio	Lower	Upper
105	100		
71	0.0	3.4	5.0#
51	73.8	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: 66.484 ng

RT: 9.07 min Scan# 1018

Delta R.T. -0.00 min

Lab File: BG044266.D

Acq: 31 Jan 2020 19:05

Instrument :

BNA_G

ClientSampleId :

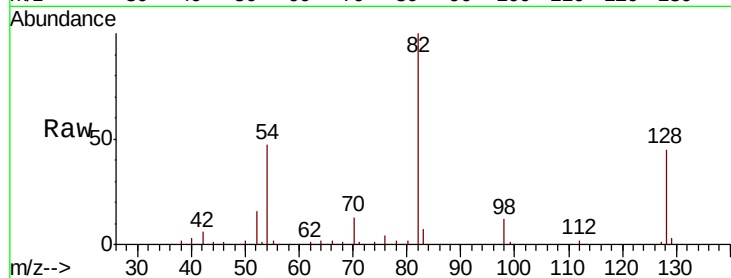
Tot Ion: 82 Resp: 368166

Ion Ratio Lower Upper

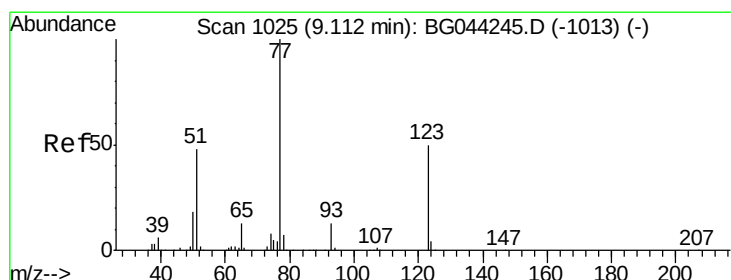
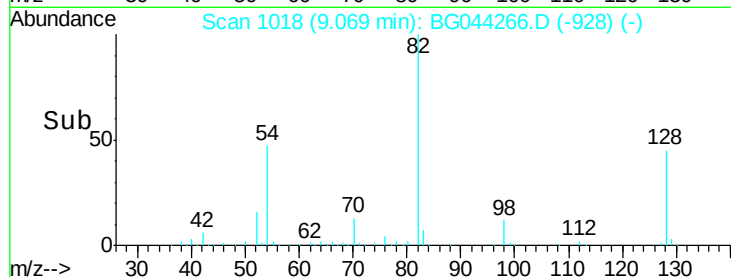
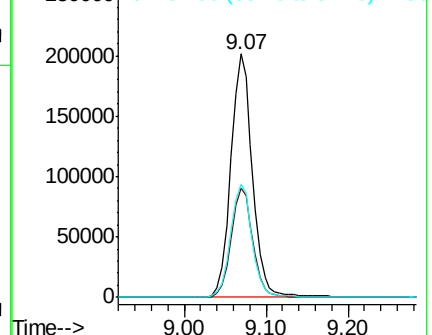
82 100

128 44.7 36.5 54.7

54 46.7 38.6 58.0



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



#24

Nitrobenzene

Concen: 0.010 ng

RT: 9.15 min Scan# 1031

Delta R.T. 0.03 min

Lab File: BG044266.D

Acq: 31 Jan 2020 19:05

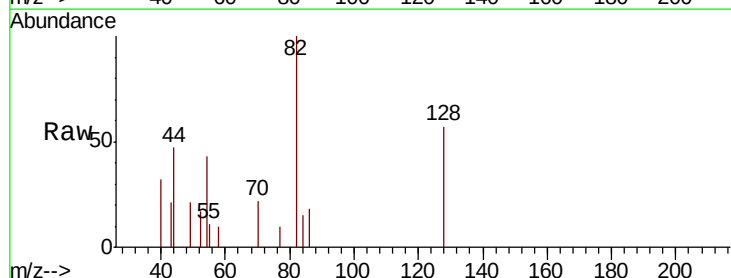
Tgt Ion: 77 Resp: 55

Ion Ratio Lower Upper

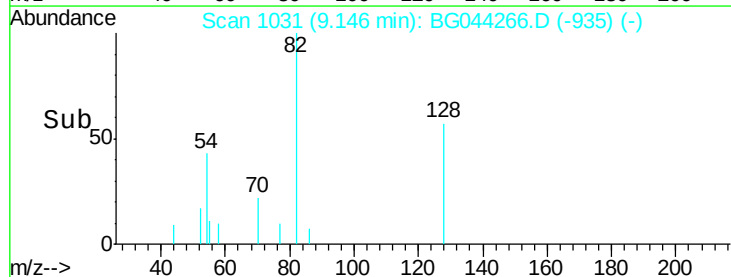
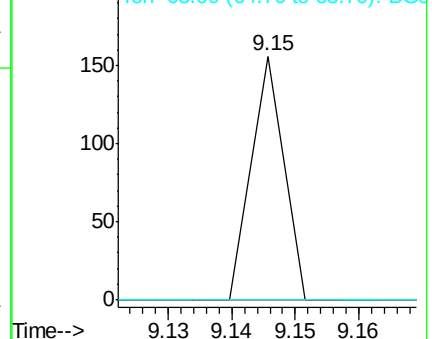
77 100

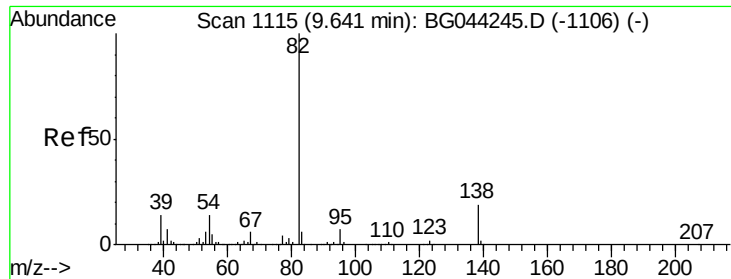
123 0.0 39.9 59.9#

65 0.0 10.4 15.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





#25

Isophorone

Concen: 0.011 ng

RT: 9.63 min Scan# 1114

Delta R.T. -0.01 min

Lab File: BG044266.D

Acq: 31 Jan 2020 19:05

Instrument :

BNA_G

ClientSampleId :

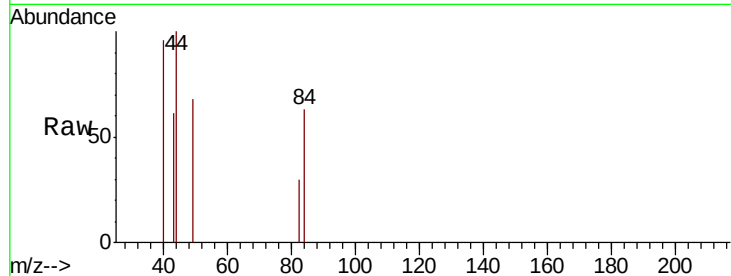
Tot Ion: 82 Resp: 118

Ion Ratio Lower Upper

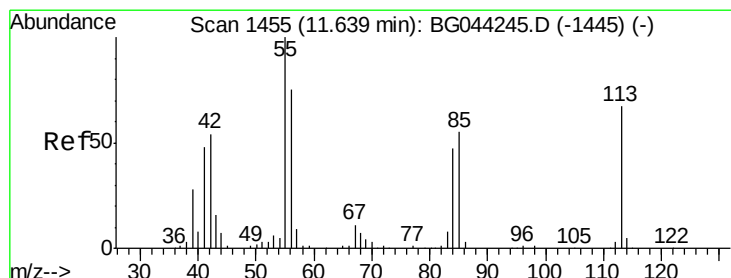
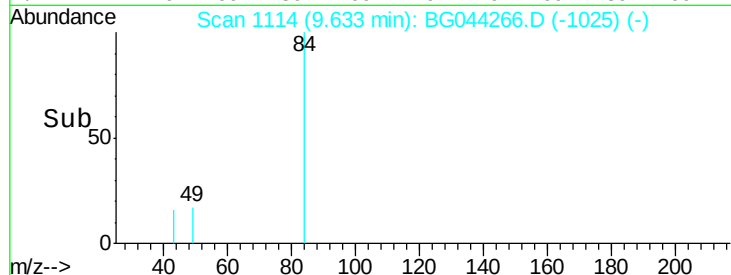
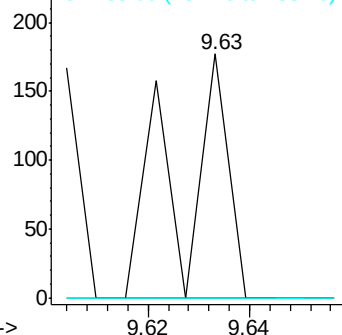
82 100

95 0.0 5.7 8.5#

138 0.0 15.0 22.4#



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#35

Caprolactam

Concen: 0.120 ng

RT: 11.70 min Scan# 1465

Delta R.T. 0.06 min

Lab File: BG044266.D

Acq: 31 Jan 2020 19:05

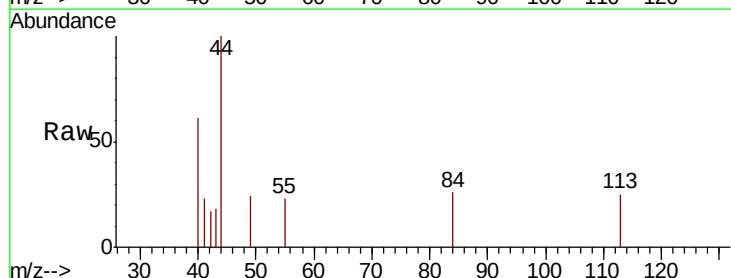
Tgt Ion: 113 Resp: 211

Ion Ratio Lower Upper

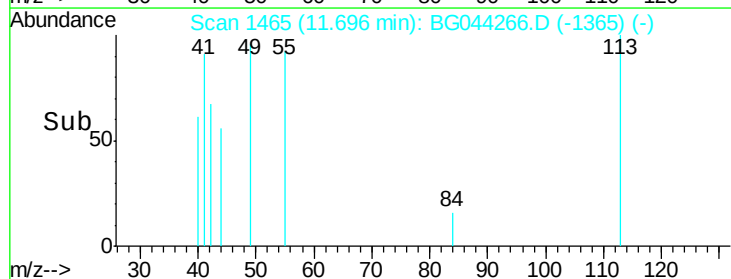
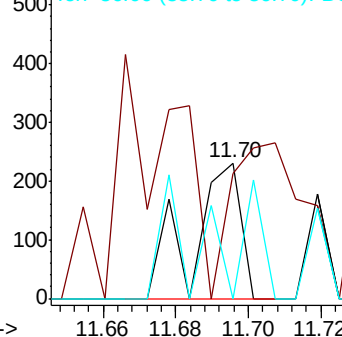
113 100

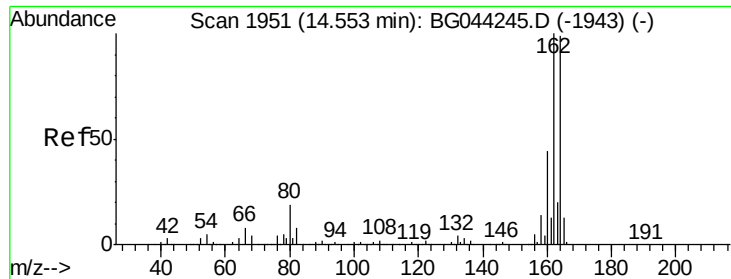
55 92.2 129.9 169.9#

56 0.0 92.5 132.5#



Abundance Ion 113.00 (112.70 to 113.70): BGC
Ion 55.00 (54.70 to 55.70): BGC
Ion 56.00 (55.70 to 56.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.55 min Scan# 1951

Delta R.T. -0.00 min

Lab File: BG044266.D

Acq: 31 Jan 2020 19:05

Instrument :

BNA_G

ClientSampleId :

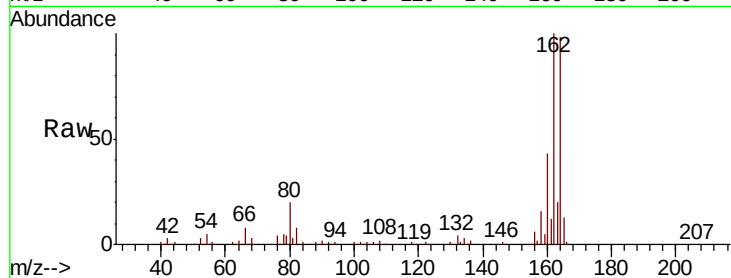
Tot Ion:164 Resp: 243972

Ion Ratio Lower Upper

164 100

162 102.1 80.7 121.1

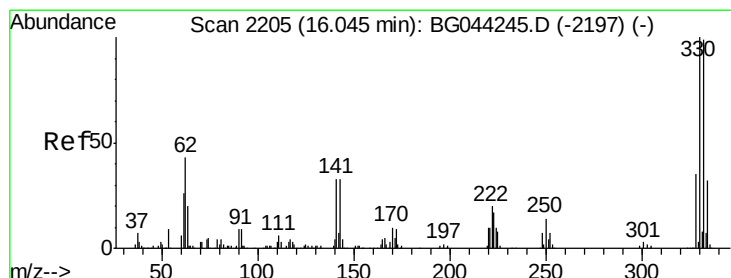
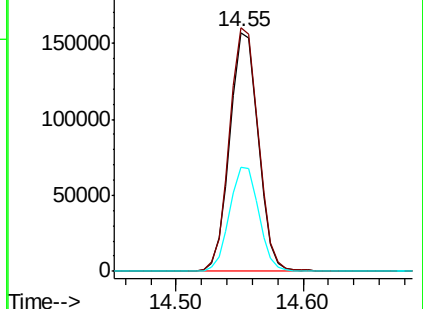
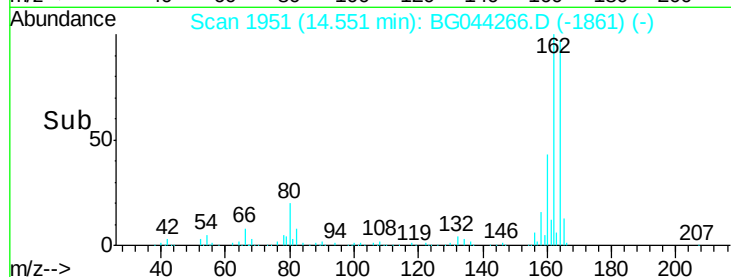
160 43.7 35.3 52.9



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 100.158 ng

RT: 16.04 min Scan# 2205

Delta R.T. -0.00 min

Lab File: BG044266.D

Acq: 31 Jan 2020 19:05

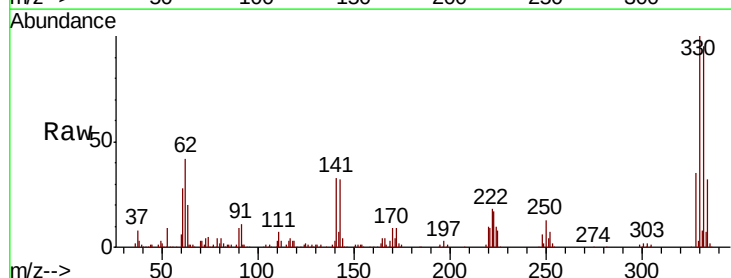
Tgt Ion:330 Resp: 286863

Ion Ratio Lower Upper

330 100

332 97.3 77.2 115.8

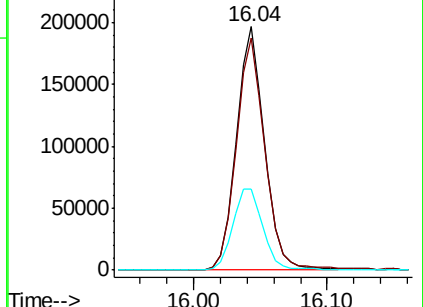
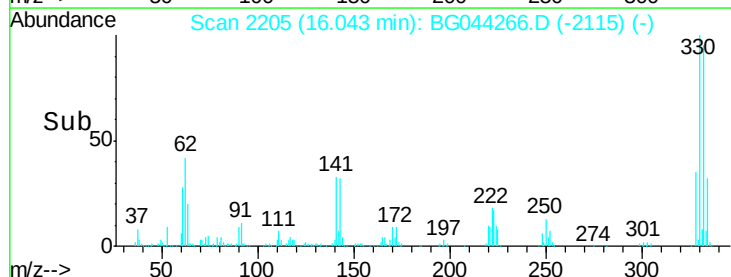
141 36.4 28.3 42.5

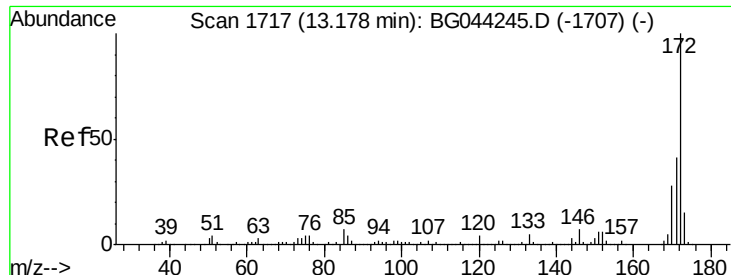


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

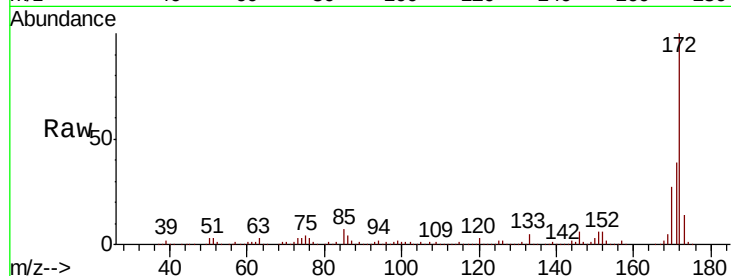




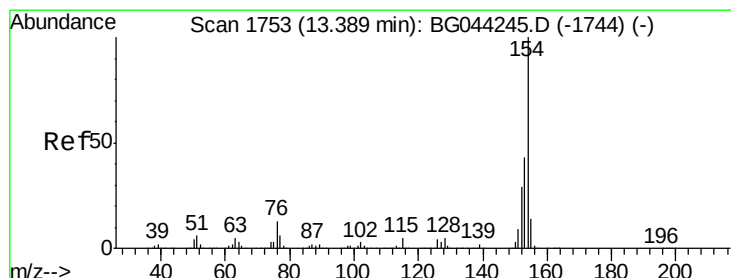
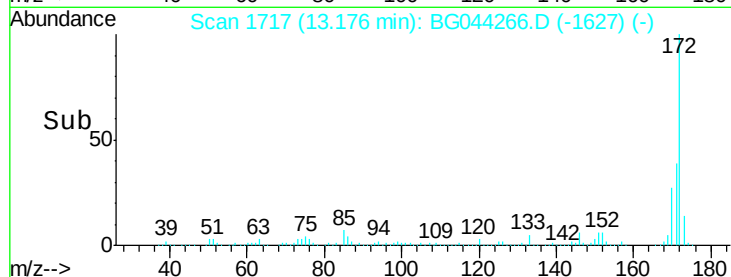
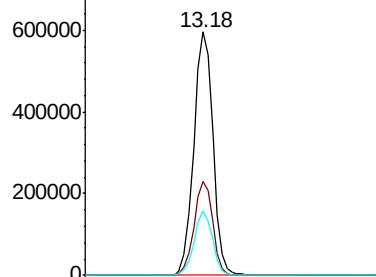
#45
2-Fluorobiphenyl
Concen: 66.636 ng
RT: 13.18 min Scan# 1717
Delta R.T. -0.00 min
Lab File: BG044266.D
Acq: 31 Jan 2020 19:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.5	32.9	49.3
170	26.6	22.0	33.0

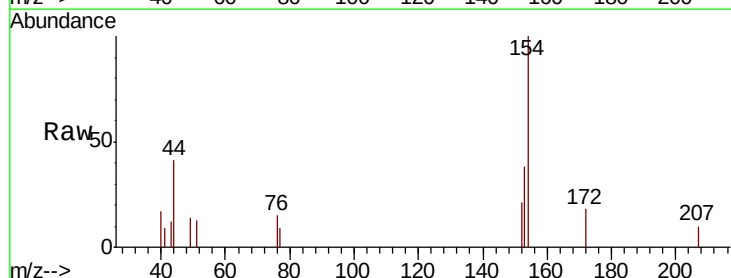


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

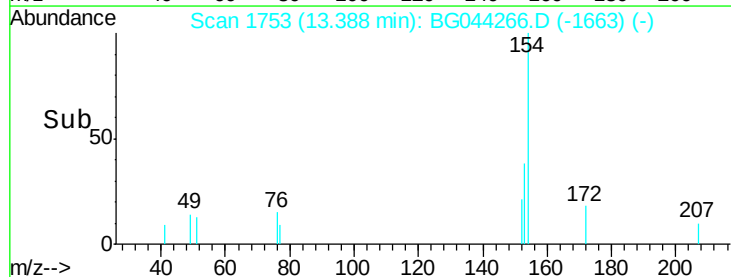
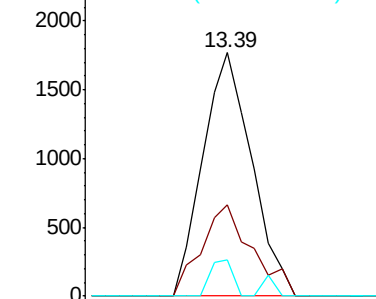


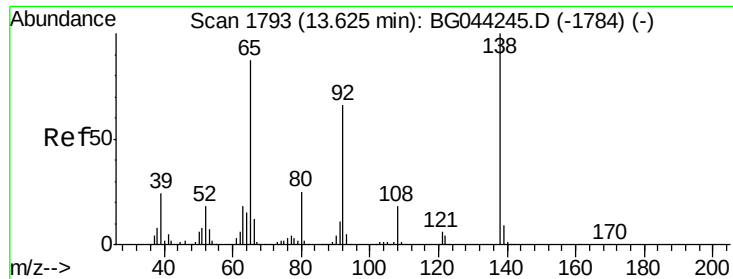
#46
1,1'-Biphenyl
Concen: 0.148 ng
RT: 13.39 min Scan# 1753
Delta R.T. -0.00 min
Lab File: BG044266.D
Acq: 31 Jan 2020 19:05

Tgt Ion	Ratio	Lower	Upper
154	100		
153	37.6	22.7	62.7
76	15.1	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): BG

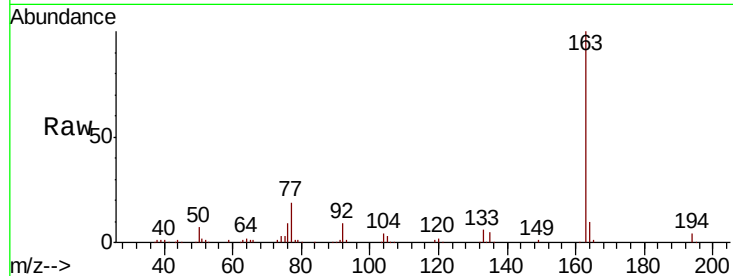




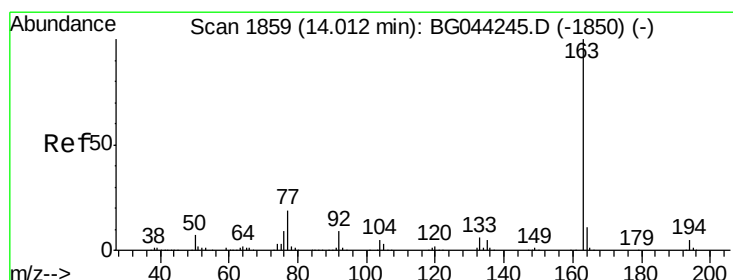
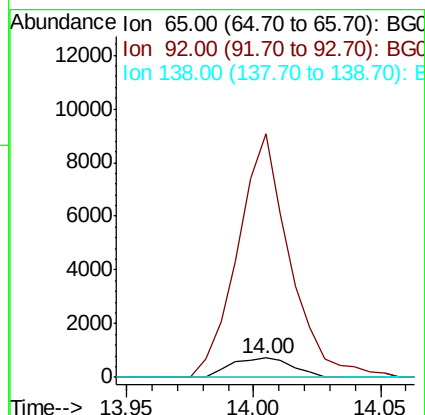
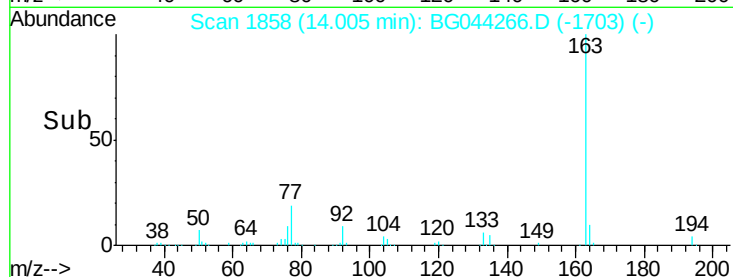
#48
2-Nitroaniline
Concen: 0.294 ng
RT: 14.00 min Scan# 1858
Delta R.T. 0.38 min
Lab File: BG044266.D
Acq: 31 Jan 2020 19:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 65 Resp: 1214
Ion Ratio Lower Upper
65 100
92 1261.2 60.3 90.5#
138 0.0 91.9 137.9#

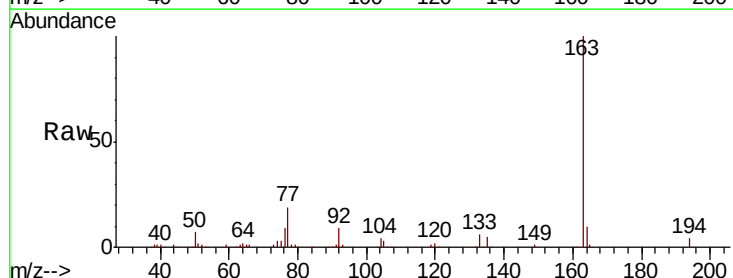


Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC

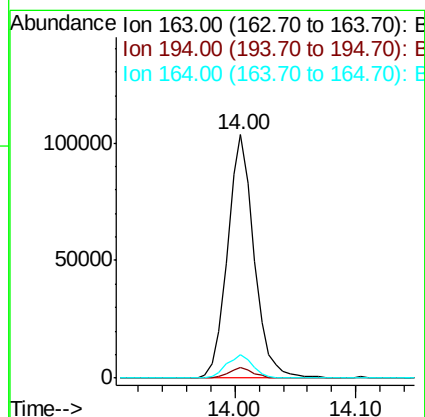
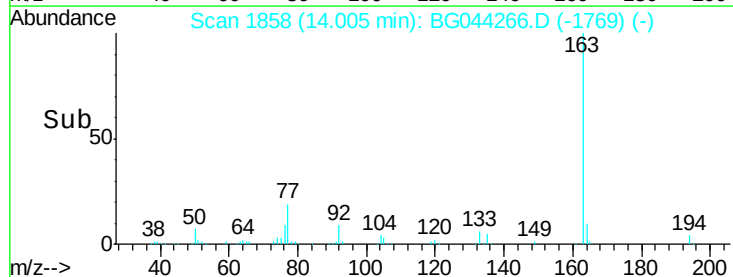


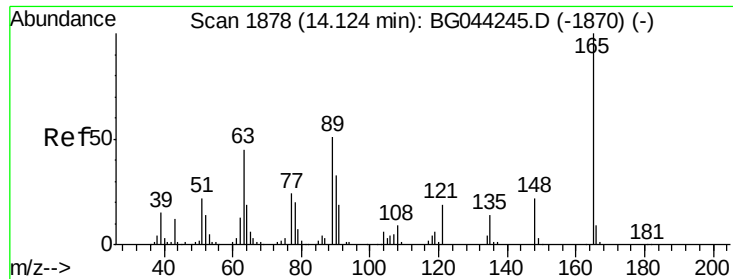
#50
Dimethylphthalate
Concen: 8.986 ng
RT: 14.00 min Scan# 1858
Delta R.T. -0.01 min
Lab File: BG044266.D
Acq: 31 Jan 2020 19:05

Tgt Ion: 163 Resp: 157586
Ion Ratio Lower Upper
163 100
194 4.4 3.6 5.4
164 9.9 8.7 13.1



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





#51

2,6-Dinitrotoluene

Concen: 0.370 ng

RT: 14.00 min Scan# 1857

Delta R.T. -0.13 min

Lab File: BG044266.D

Acq: 31 Jan 2020 19:05

Instrument :

BNA_G

ClientSampleId :

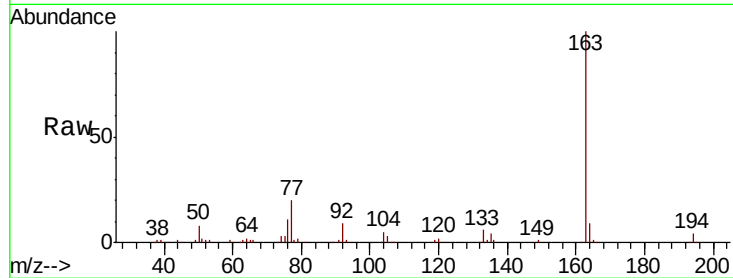
Tot Ion:165 Resp: 1446

Ion Ratio Lower Upper

165 100

63 125.8 38.7 58.1#

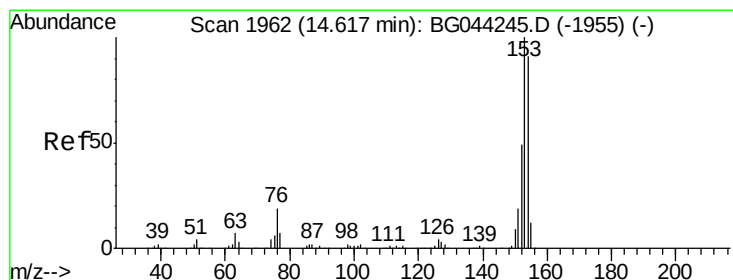
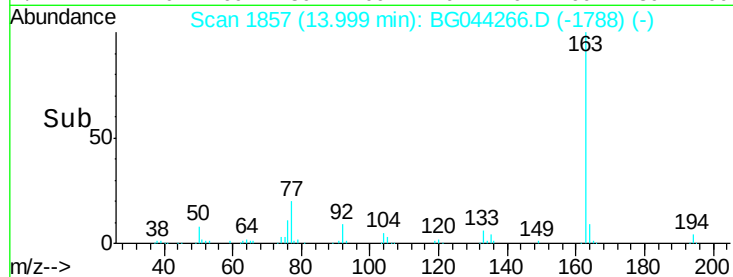
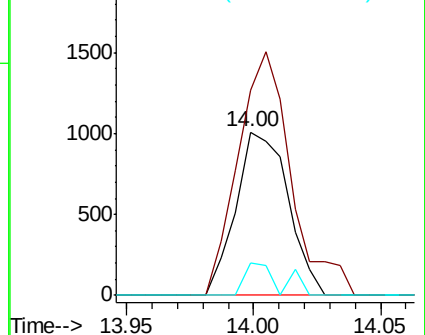
89 20.2 40.4 60.6#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0



#52

Acenaphthene

Concen: 0.062 ng

RT: 14.55 min Scan# 1951

Delta R.T. -0.07 min

Lab File: BG044266.D

Acq: 31 Jan 2020 19:05

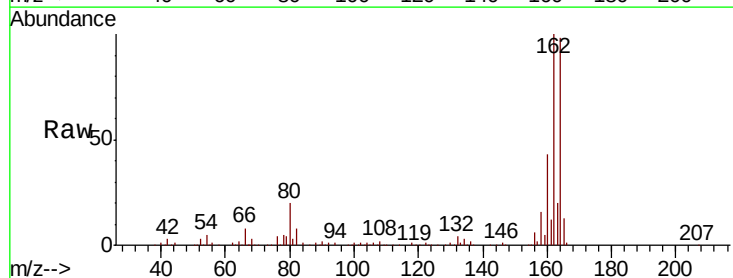
Tgt Ion:154 Resp: 831

Ion Ratio Lower Upper

154 100

153 0.0 87.9 131.9#

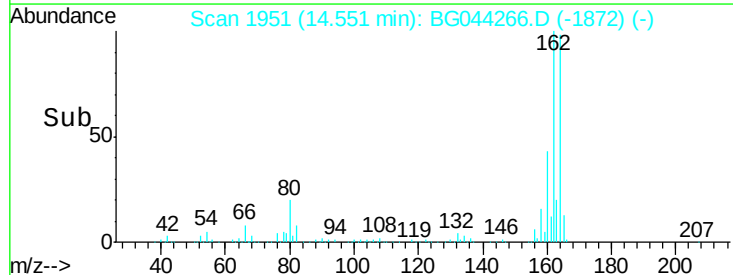
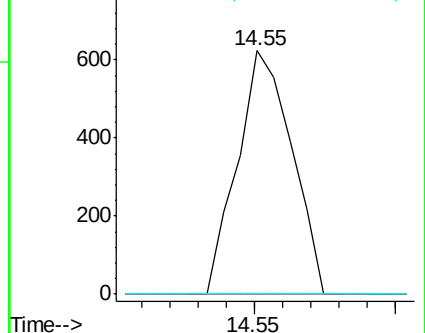
152 0.0 43.1 64.7#

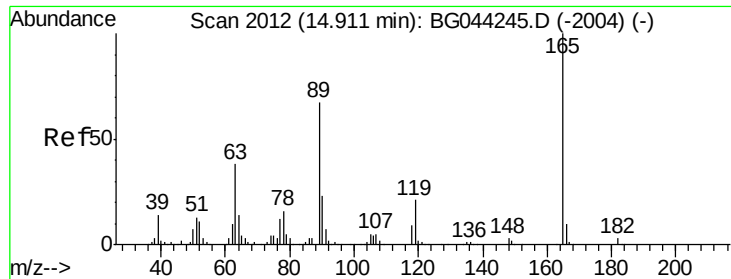


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

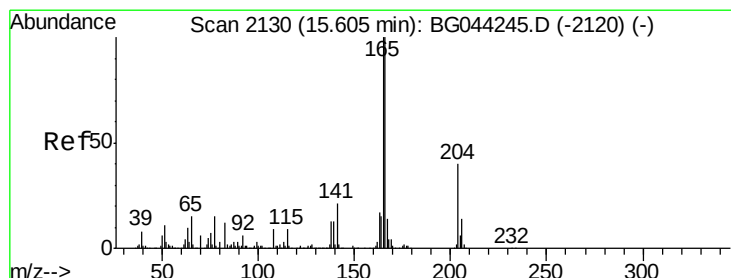
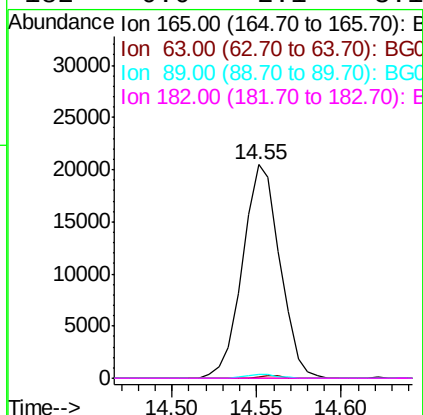
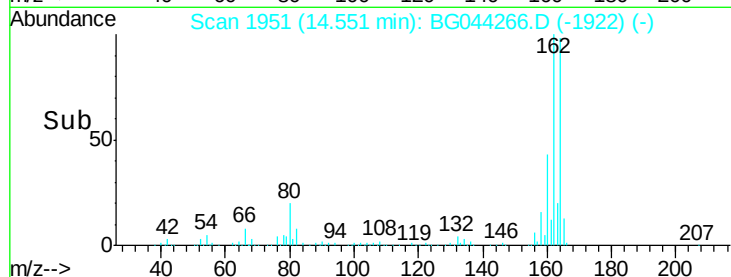
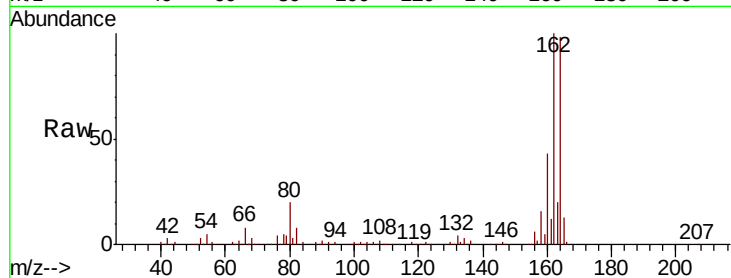




#57
 2,4-Dinitrotoluene
 Concen: 5.746 ng
 RT: 14.55 min Scan# 1951
 Delta R.T. -0.36 min
 Lab File: BG044266.D
 Acq: 31 Jan 2020 19:05

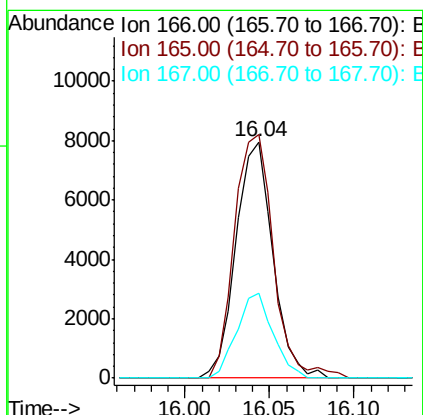
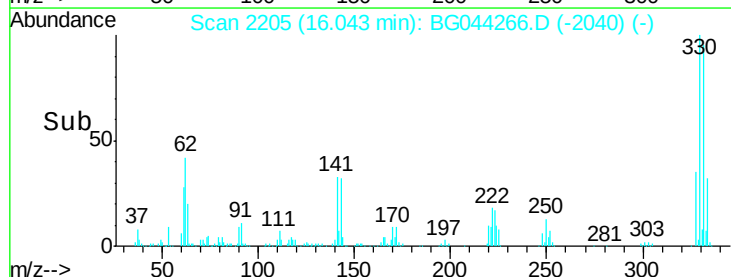
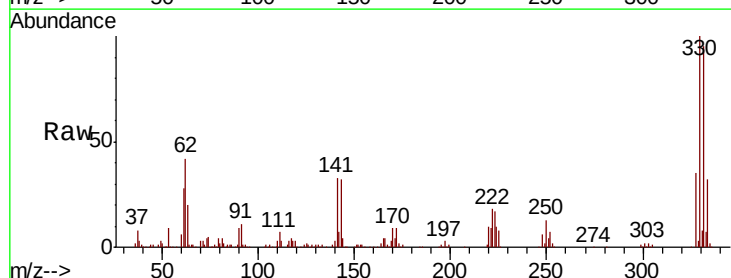
Instrument :
 BNA_G
 ClientSampleId :

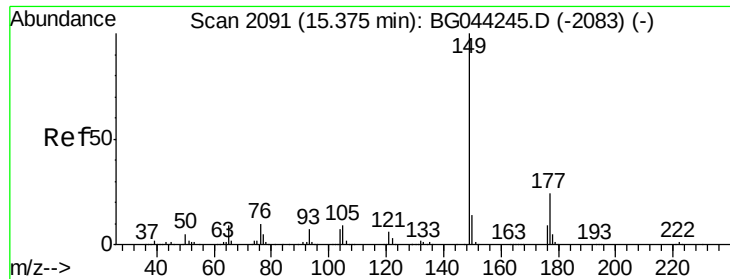
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.8	30.3	45.5#
89	1.6	53.4	80.2#
182	0.0	2.1	3.1#



#58
 Fluorene
 Concen: 0.763 ng
 RT: 16.04 min Scan# 2205
 Delta R.T. 0.44 min
 Lab File: BG044266.D
 Acq: 31 Jan 2020 19:05

Tgt Ion	Ratio	Lower	Upper
166	100		
165	103.2	79.9	119.9
167	35.8	11.4	17.0#

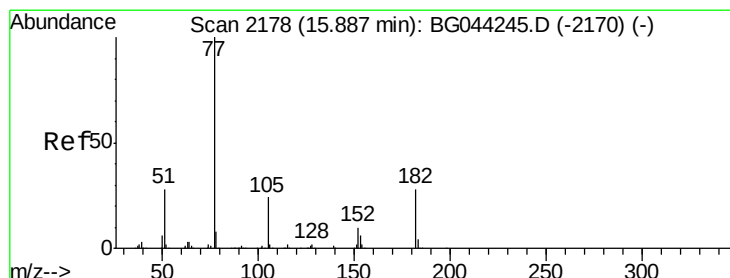
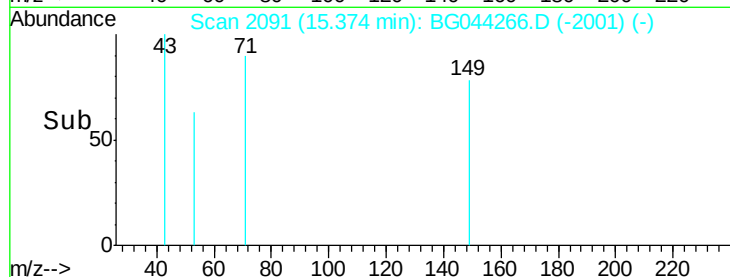
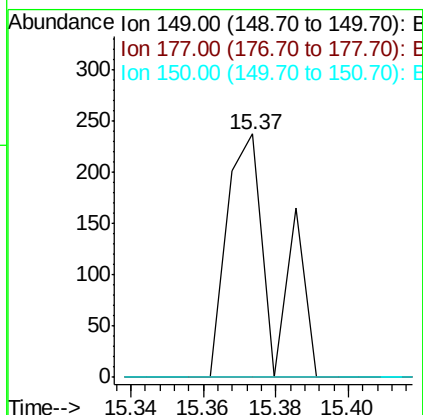
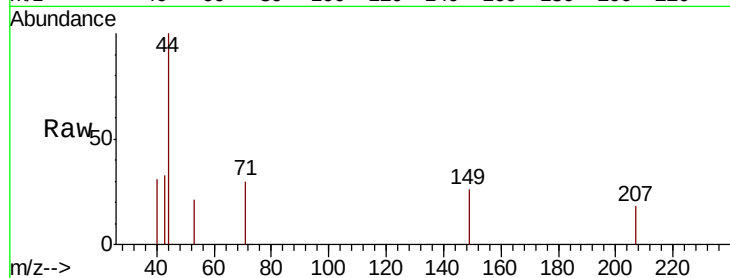




#60
Diethylphthalate
Concen: 0.012 ng
RT: 15.37 min Scan# 2091
Delta R.T. -0.00 min
Lab File: BG044266.D
Acq: 31 Jan 2020 19:05

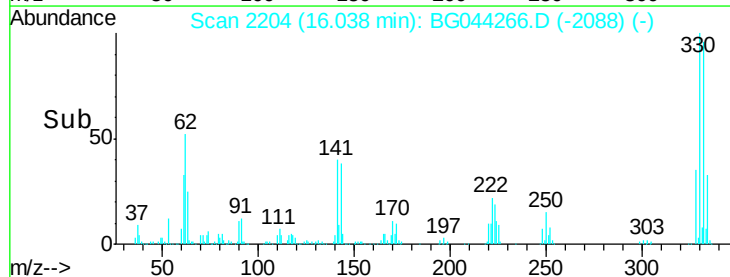
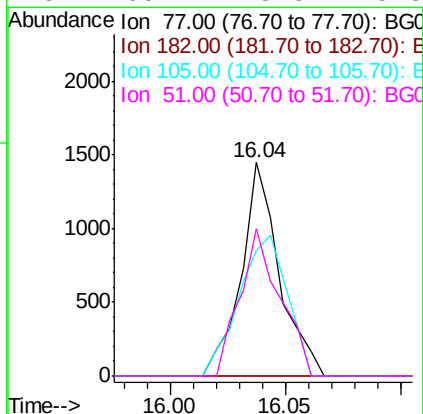
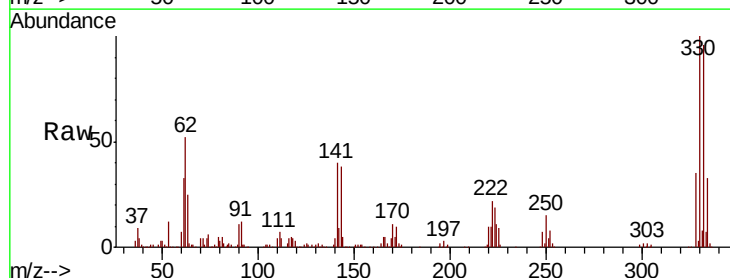
Instrument :
BNA_G
ClientSampled :

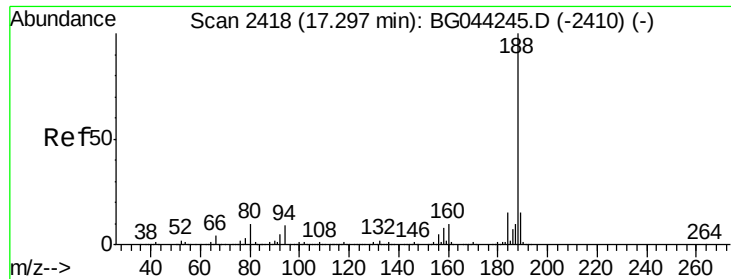
Tot Ion	Ratio	Lower	Upper
149	100		
177	0.0	19.4	29.0#
150	0.0	10.9	16.3#



#63
Azobenzene
Concen: 0.109 ng
RT: 16.04 min Scan# 2204
Delta R.T. 0.15 min
Lab File: BG044266.D
Acq: 31 Jan 2020 19:05

Tgt Ion	Ratio	Lower	Upper
77	100		
182	0.0	8.2	48.2#
105	58.5	3.6	43.6#
51	69.2	8.3	48.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.29 min Scan# 2418

Delta R.T. -0.00 min

Lab File: BG044266.D

Acq: 31 Jan 2020 19:05

Instrument :

BNA_G

ClientSampled :

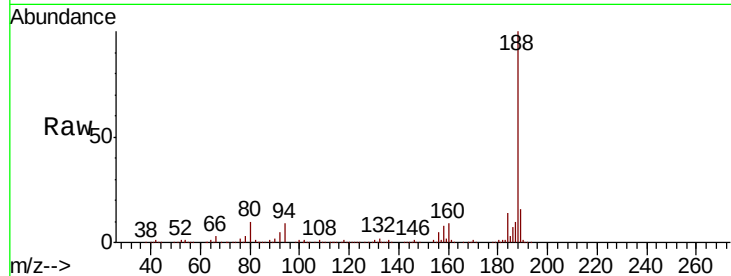
Tot Ion:188 Resp: 534043

Ion Ratio Lower Upper

188 100

94 9.5 7.4 11.2

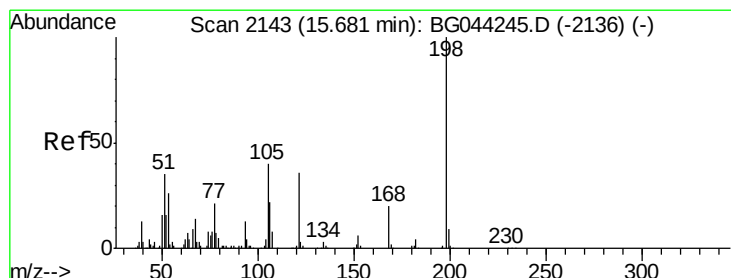
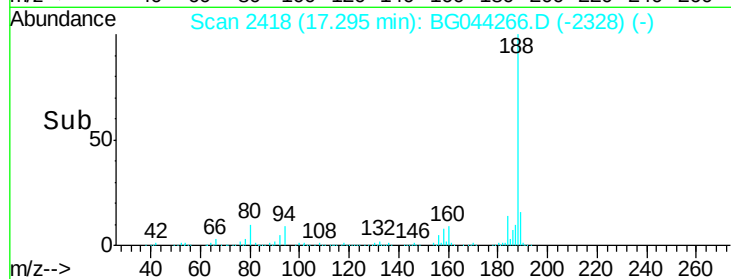
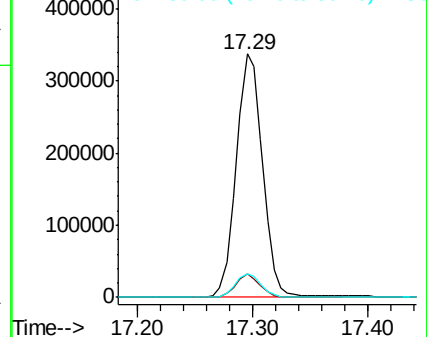
80 9.9 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 0.261 ng

RT: 16.04 min Scan# 2204

Delta R.T. 0.36 min

Lab File: BG044266.D

Acq: 31 Jan 2020 19:05

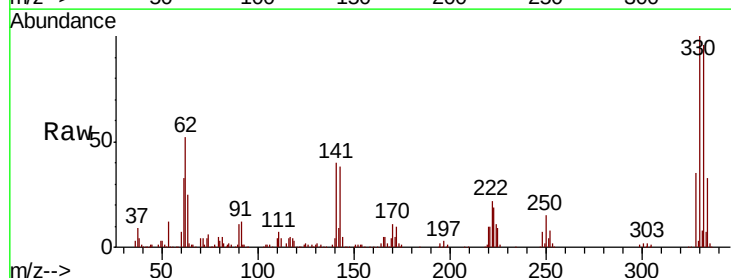
Tgt Ion:198 Resp: 770

Ion Ratio Lower Upper

198 100

51 169.4 16.6 56.6#

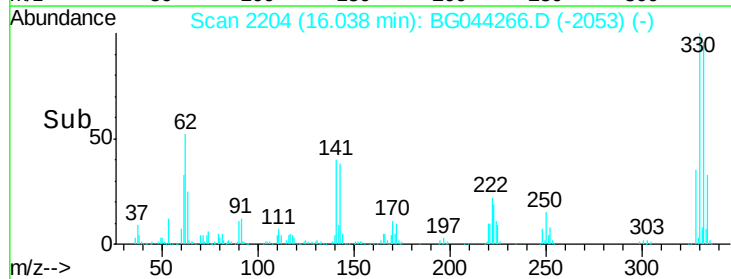
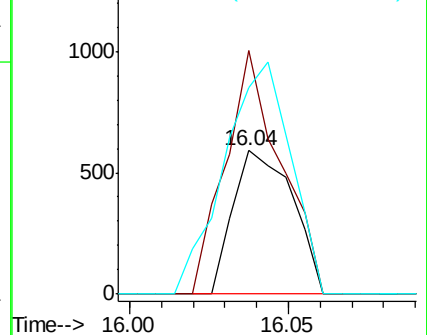
105 143.2 20.6 60.6#

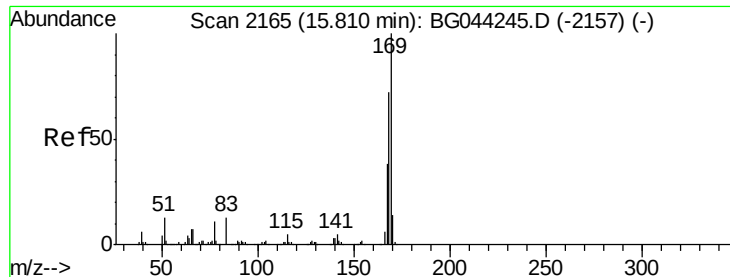


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

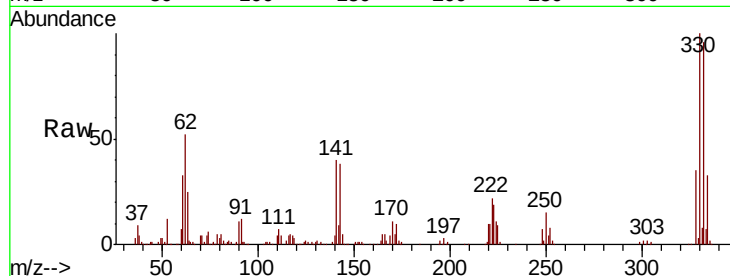




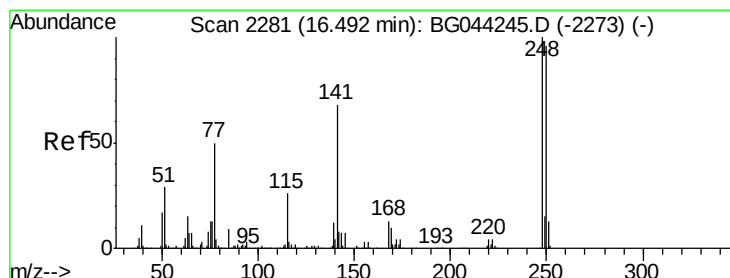
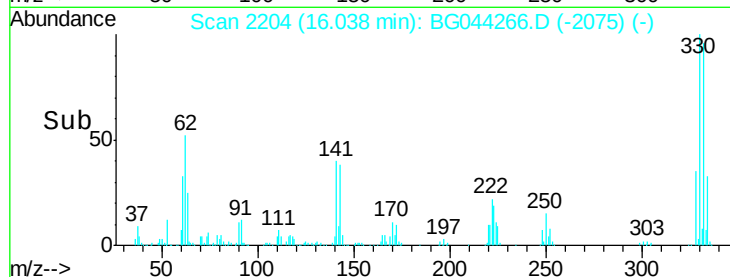
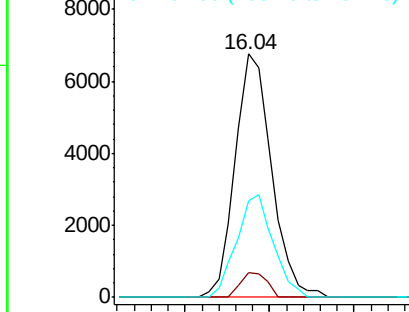
#66
 n-Nitrosodiphenylamine
 Concen: 0.681 ng
 RT: 16.04 min Scan# 2204
 Delta R.T. 0.23 min
 Lab File: BG044266.D
 Acq: 31 Jan 2020 19:05

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ion	Ratio	Resp	Lower	Upper
169	100		10185		
168	10.2			57.9	86.9#
167	39.8			30.7	46.1

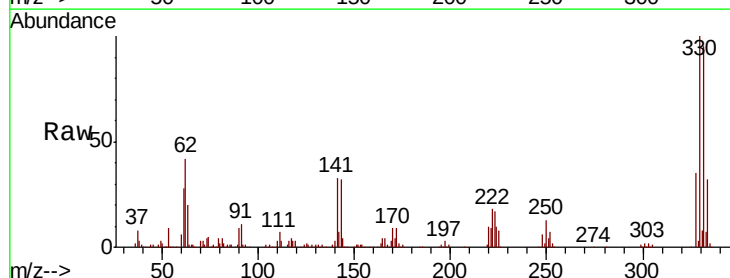


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

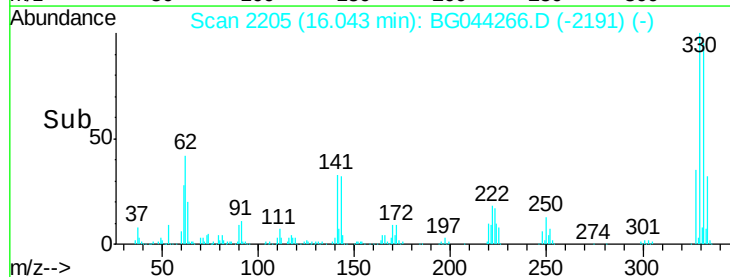
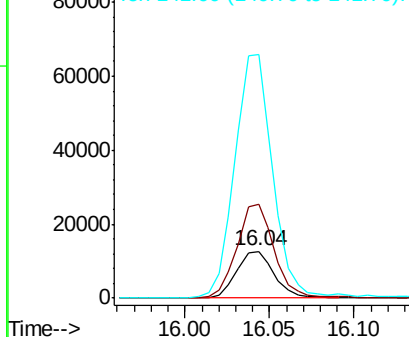


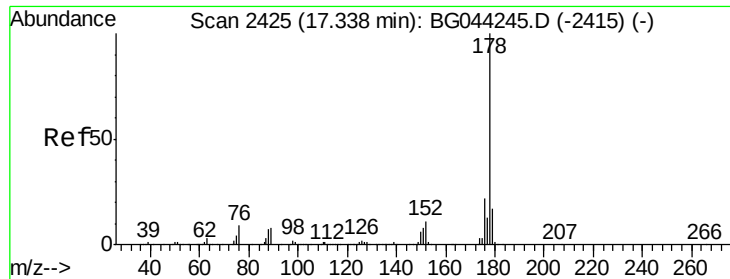
#67
 4-Bromophenyl-phenylether
 Concen: 3.382 ng
 RT: 16.04 min Scan# 2205
 Delta R.T. -0.45 min
 Lab File: BG044266.D
 Acq: 31 Jan 2020 19:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
248	100		19679		
250	200.3			76.6	114.8#
141	516.7			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: 0.018 ng

RT: 17.32 min Scan# 2423

Delta R.T. -0.01 min

Lab File: BG044266.D

Acq: 31 Jan 2020 19:05

Instrument :

BNA_G

ClientSampleId :

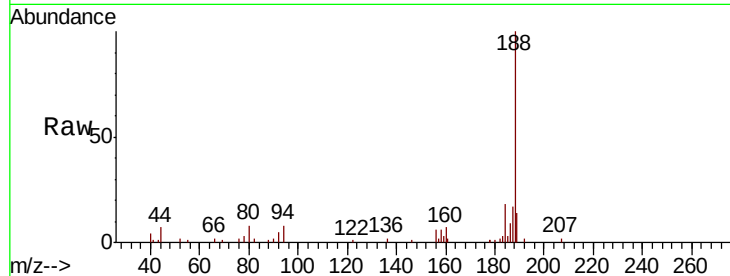
Tot Ion:178 Resp: 476

Ion Ratio Lower Upper

178 100

176 0.0 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

17.32

300

200

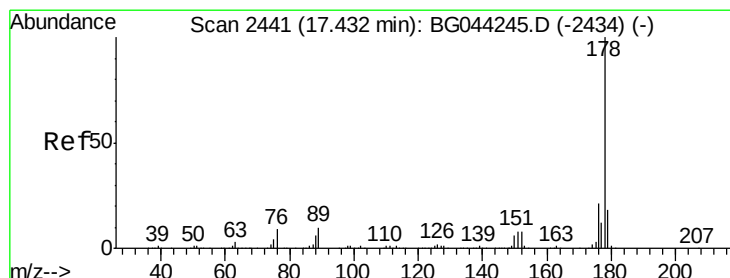
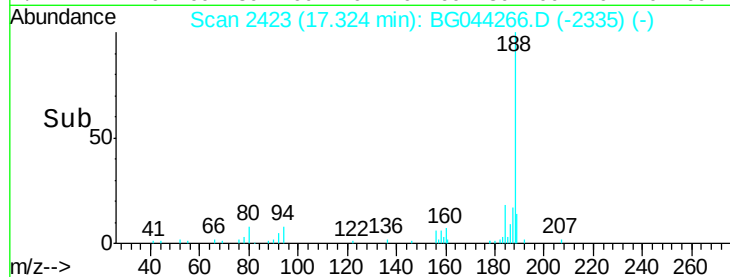
100

0

Time-->

17.30

17.35



#72

Anthracene

Concen: 0.019 ng

RT: 17.32 min Scan# 2423

Delta R.T. -0.11 min

Lab File: BG044266.D

Acq: 31 Jan 2020 19:05

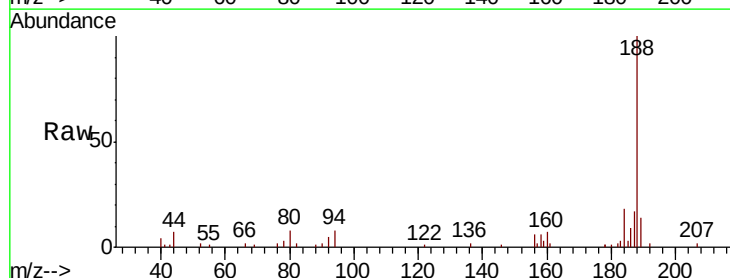
Tgt Ion:178 Resp: 476

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

17.32

300

200

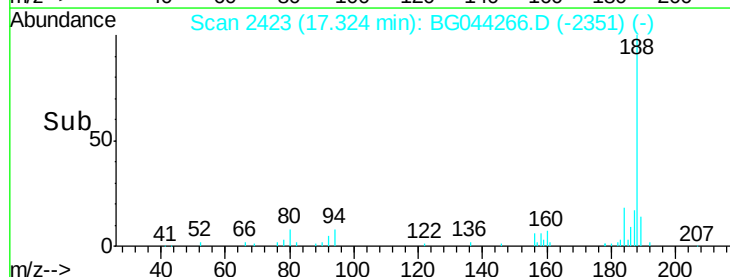
100

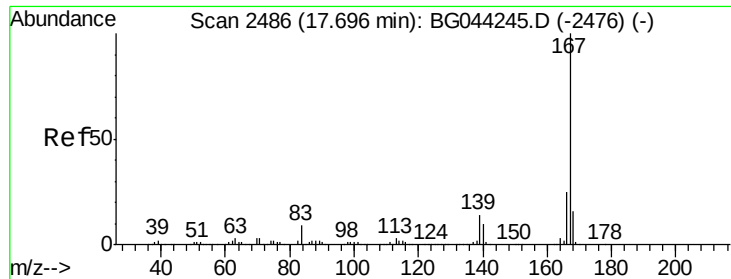
0

Time-->

17.30

17.35





#73

Carbazole

Concen: 0.002 ng

RT: 17.31 min Scan# 2420

Delta R.T. -0.39 min

Lab File: BG044266.D

Acq: 31 Jan 2020 19:05

Instrument :

BNA_G

ClientSampleId :

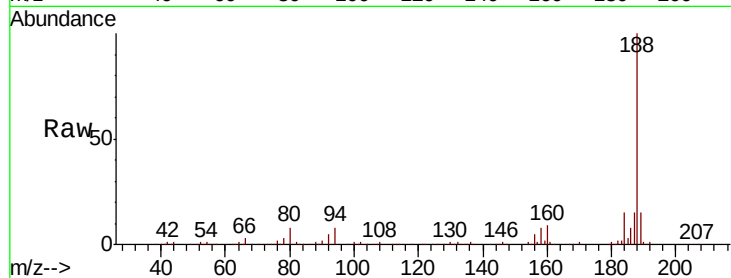
Tot Ion:167 Resp: 56

Ion Ratio Lower Upper

167 100

166 0.0 19.8 29.6#

139 0.0 11.1 16.7#

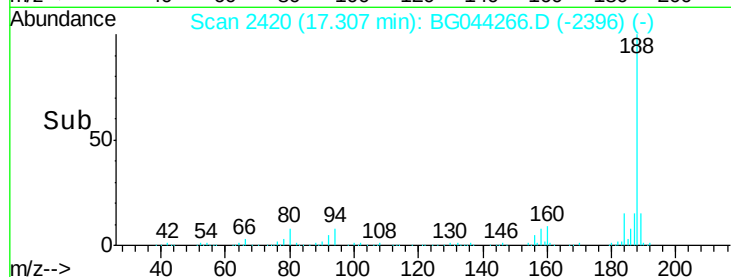


Abundance Ion 167.00 (166.70 to 167.70): E

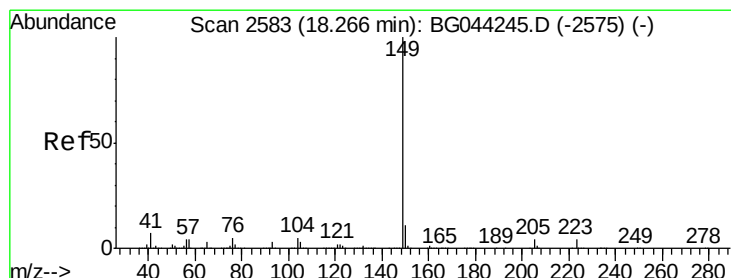
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

17.31



Time-->



#74

Di-n-butylphthalate

Concen: 0.032 ng

RT: 18.27 min Scan# 2584

Delta R.T. 0.00 min

Lab File: BG044266.D

Acq: 31 Jan 2020 19:05

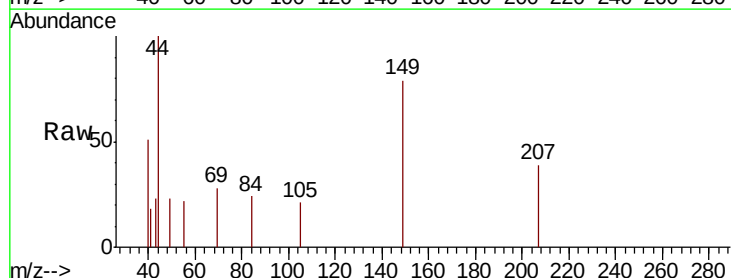
Tgt Ion:149 Resp: 922

Ion Ratio Lower Upper

149 100

150 0.0 8.7 13.1#

104 0.0 4.3 6.5#

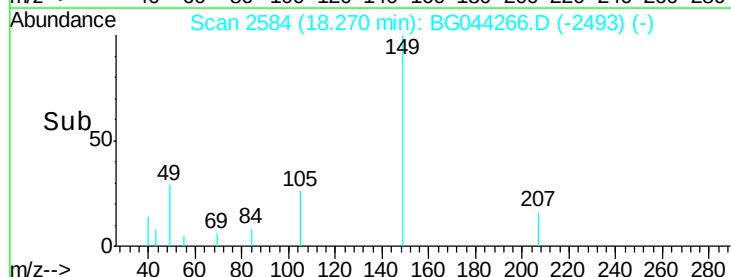


Abundance Ion 149.00 (148.70 to 149.70): E

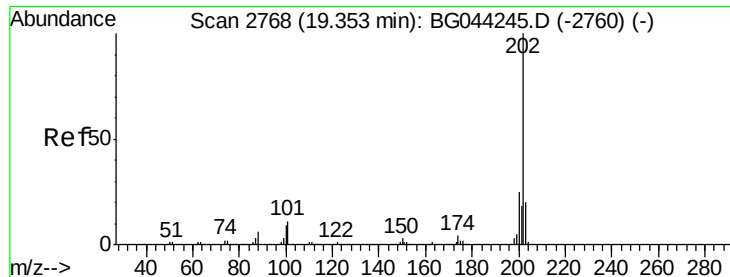
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

18.27



Time-->



#75

Fluoranthene

Concen: 0.012 ng

RT: 19.35 min Scan# 2768

Delta R.T. -0.00 min

Lab File: BG044266.D

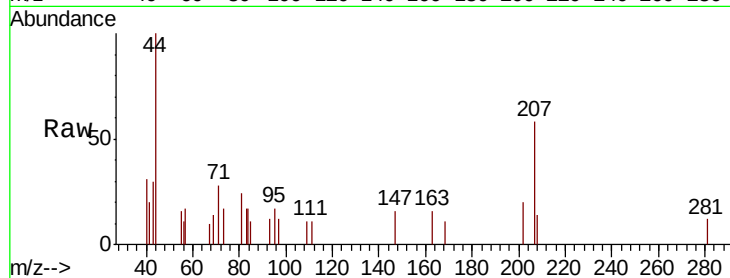
Acq: 31 Jan 2020 19:05

Instrument :

BNA_G

ClientSampled :

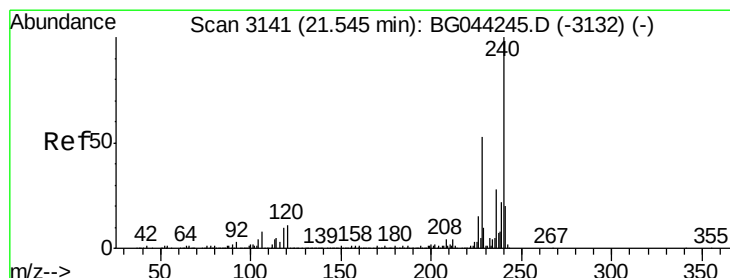
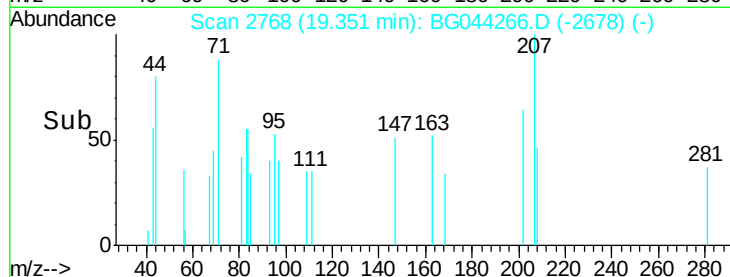
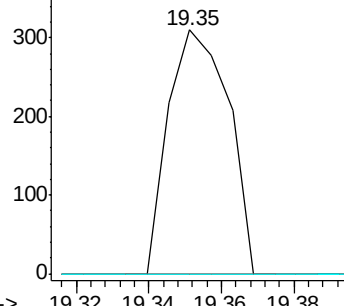
Tot Ion:	202	Resp:	357
Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	31.3
203	0.0	0.0	39.9



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



#76

Chrysene-d12

Concen: 20.000 ng

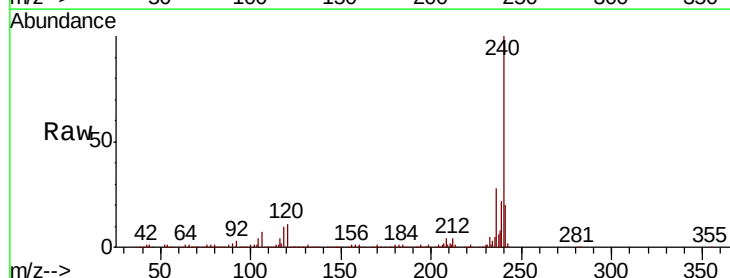
RT: 21.54 min Scan# 3141

Delta R.T. -0.00 min

Lab File: BG044266.D

Acq: 31 Jan 2020 19:05

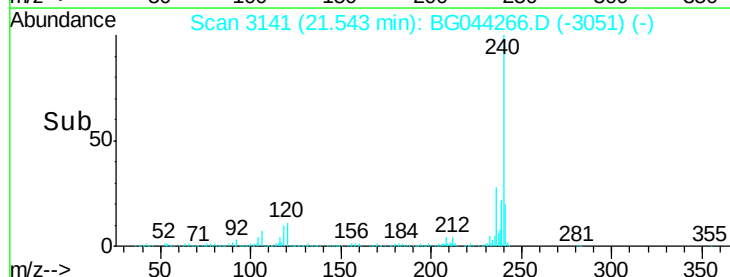
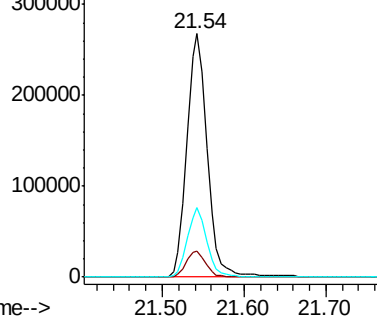
Tgt Ion:	240	Resp:	467750
Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.4	12.6
236	28.3	22.1	33.1

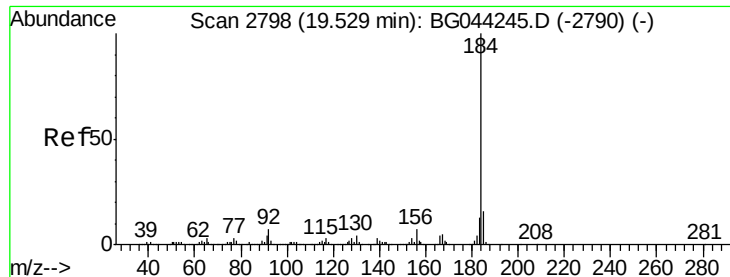


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 1.840 ng

RT: 19.92 min Scan# 2864

Delta R.T. 0.39 min

Lab File: BG044266.D

Acq: 31 Jan 2020 19:05

Instrument :

BNA_G

ClientSampleId :

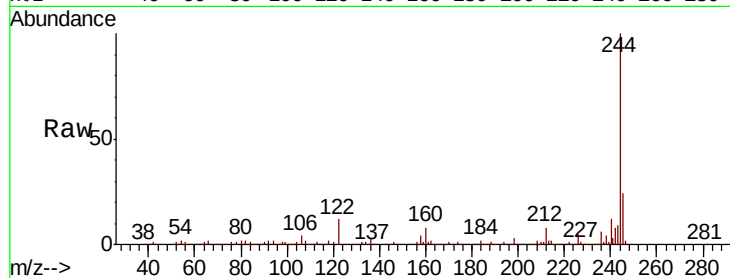
Tot Ion:184 Resp: 23869

Ion Ratio Lower Upper

184 100

185 13.7 12.9 19.3

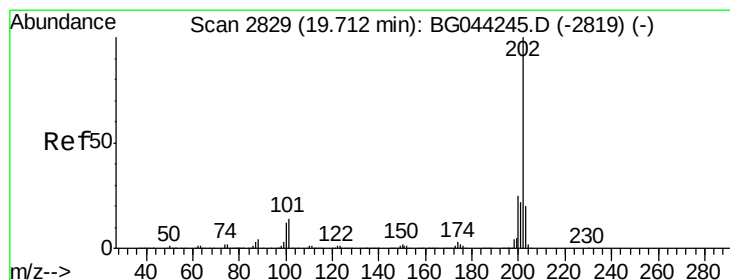
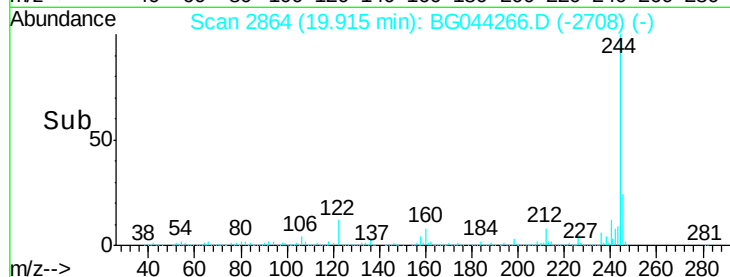
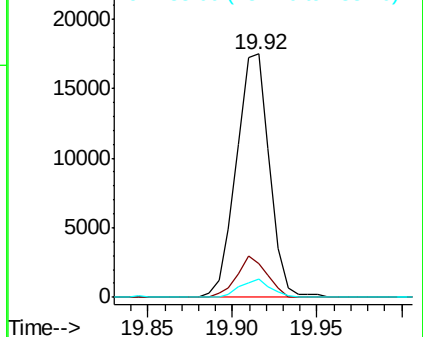
183 7.3 10.8 16.2#



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: 0.011 ng

RT: 19.71 min Scan# 2829

Delta R.T. -0.00 min

Lab File: BG044266.D

Acq: 31 Jan 2020 19:05

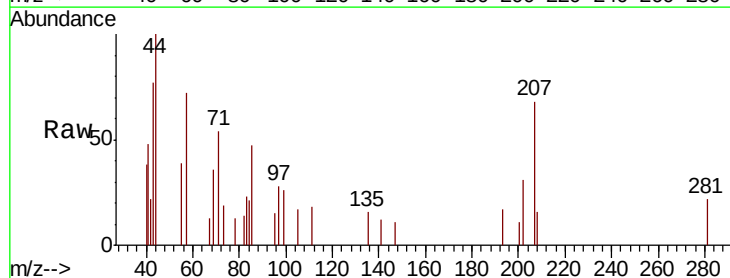
Tgt Ion:202 Resp: 339

Ion Ratio Lower Upper

202 100

200 36.6 20.0 30.0#

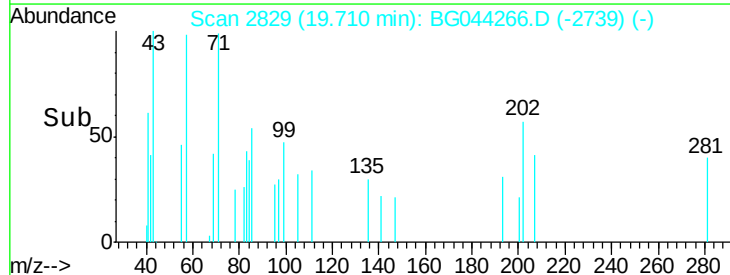
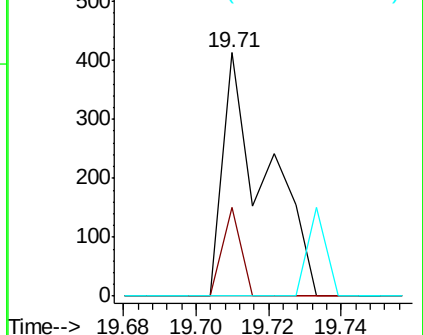
203 0.0 16.2 24.2#

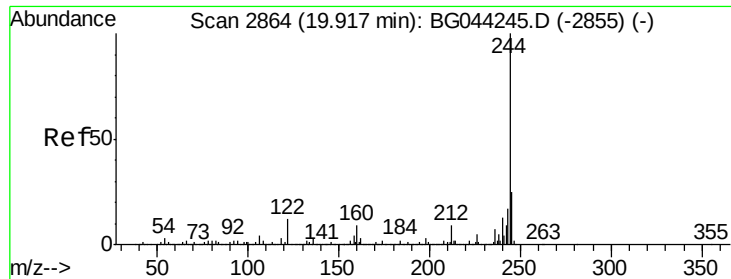


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 65.780 ng

RT: 19.92 min Scan# 2864

Delta R.T. -0.00 min

Lab File: BG044266.D

Acq: 31 Jan 2020 19:05

Instrument :

BNA_G

ClientSampled :

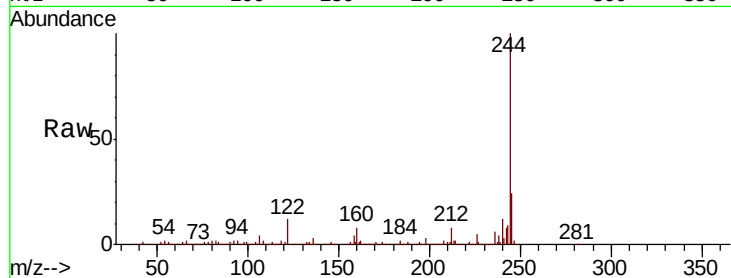
Tot Ion:244 Resp: 1495888

Ion Ratio Lower Upper

244 100

212 8.3 7.4 11.2

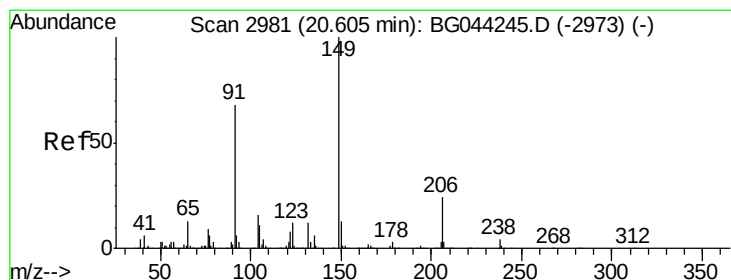
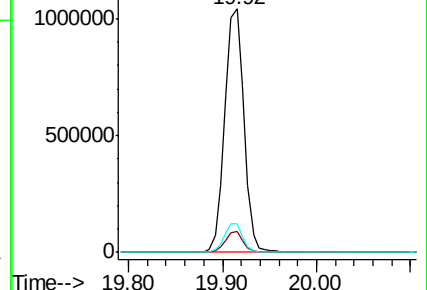
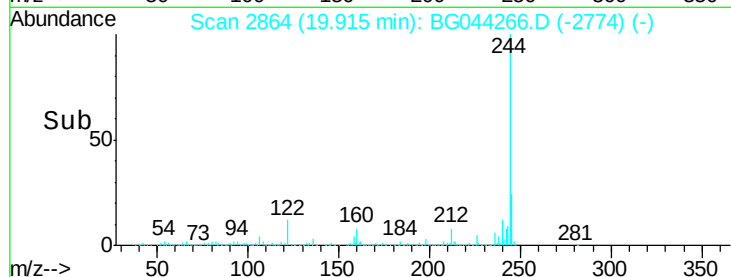
122 11.6 9.8 14.6



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: 0.010 ng

RT: 20.61 min Scan# 2982

Delta R.T. 0.00 min

Lab File: BG044266.D

Acq: 31 Jan 2020 19:05

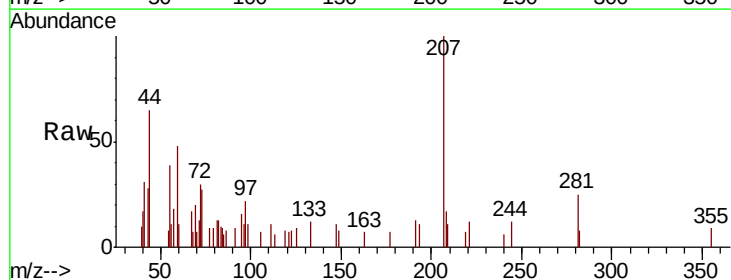
Tgt Ion:149 Resp: 132

Ion Ratio Lower Upper

149 100

91 102.0 54.5 81.7#

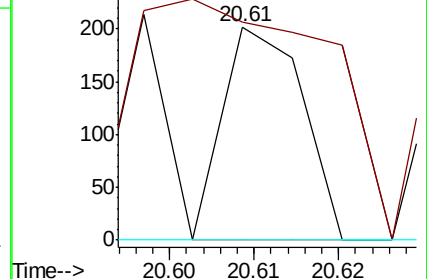
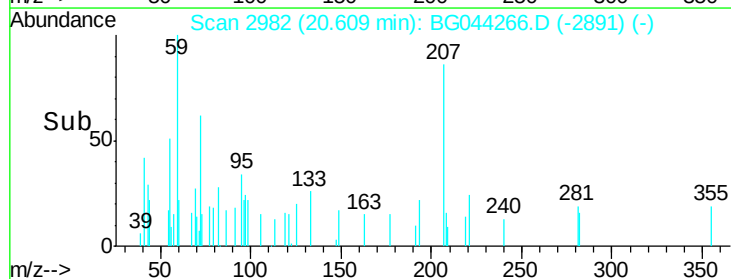
206 0.0 19.1 28.7#

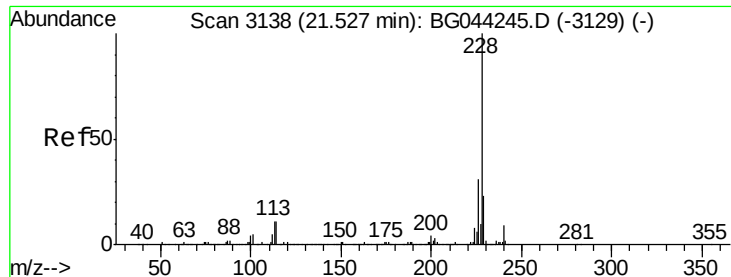


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG0

Ion 206.00 (205.70 to 206.70): E

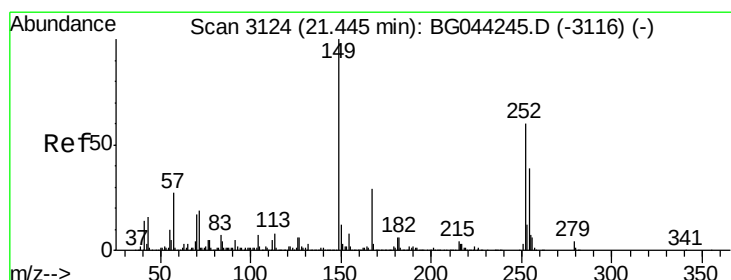
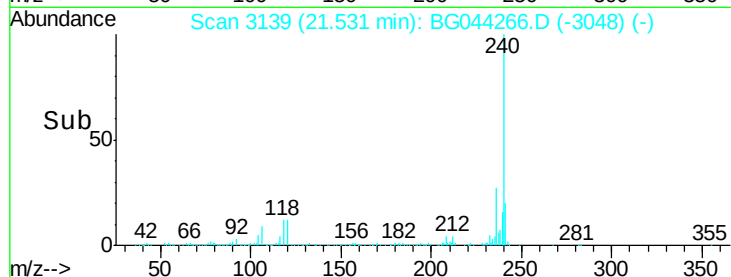
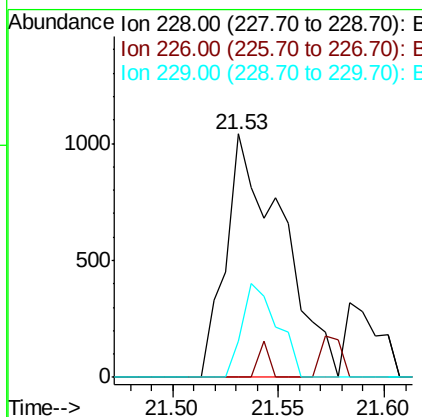
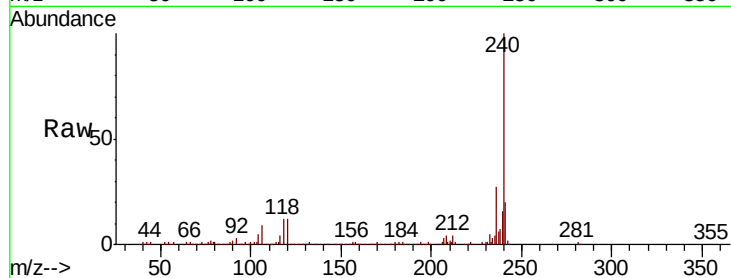




#81
Benzo(a)anthracene
Concen: 0.067 ng
RT: 21.53 min Scan# 3139
Delta R.T. 0.00 min
Lab File: BG044266.D
Acq: 31 Jan 2020 19:05

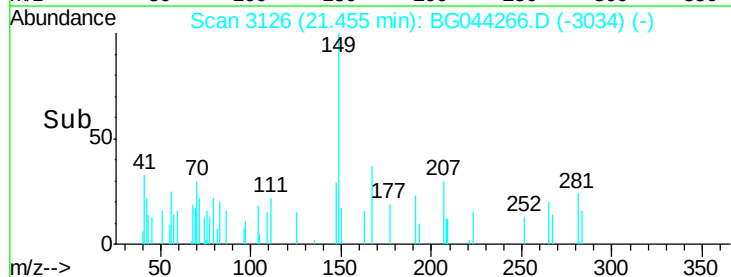
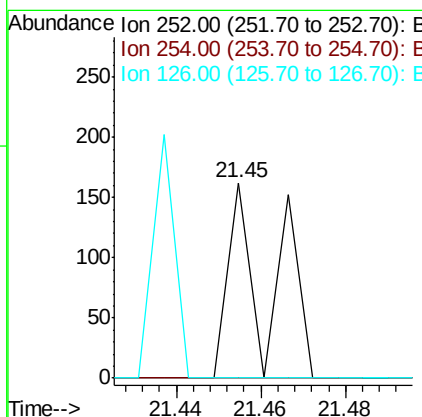
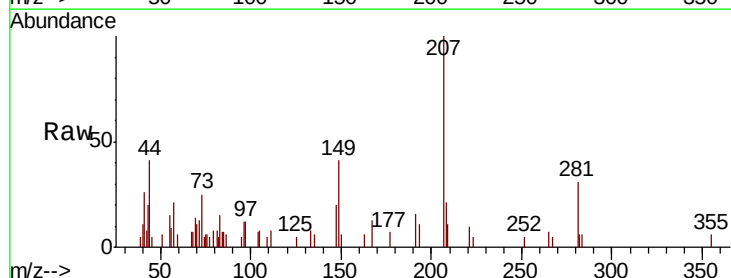
Instrument :
BNA_G
ClientSampled :

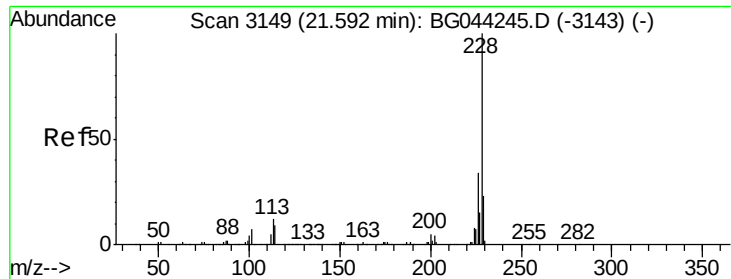
Tot Ion:228 Resp: 1922
Ion Ratio Lower Upper
228 100
226 0.0 24.7 37.1#
229 15.0 18.2 27.4#



#82
3,3'-Dichlorobenzidine
Concen: 0.010 ng
RT: 21.45 min Scan# 3126
Delta R.T. 0.01 min
Lab File: BG044266.D
Acq: 31 Jan 2020 19:05

Tgt Ion:252 Resp: 111
Ion Ratio Lower Upper
252 100
254 0.0 52.6 78.8#
126 0.0 8.2 12.4#





#83

Chrysene

Concen: 0.012 ng

RT: 21.58 min Scan# 3148

Delta R.T. -0.01 min

Lab File: BG044266.D

Acq: 31 Jan 2020 19:05

Instrument :

BNA_G

ClientSampleId :

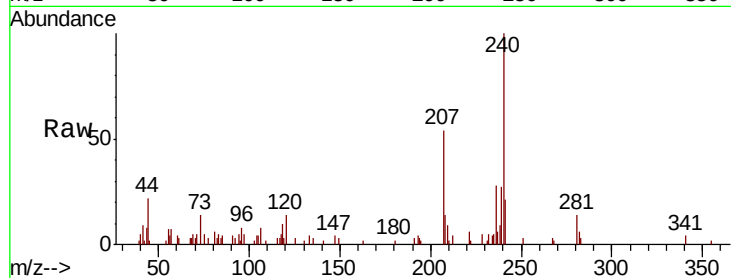
Tot Ion:228 Resp: 337

Ion Ratio Lower Upper

228 100

226 0.0 27.1 40.7#

229 0.0 17.9 26.9#



Abundance Ion 228.00 (227.70 to 228.70): E

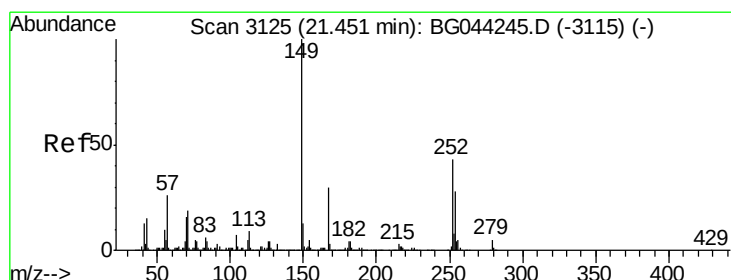
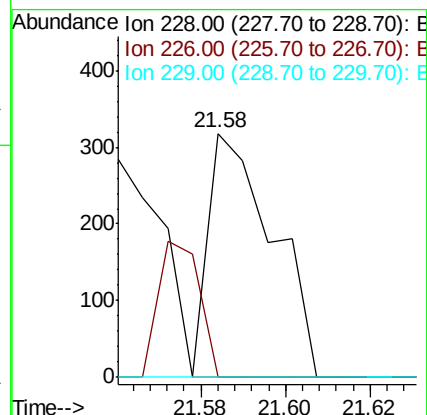
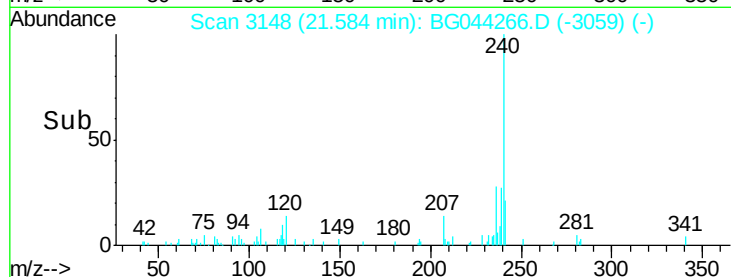
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

21.58

21.60

21.62



#84

Bis(2-ethylhexyl)phthalate

Concen: 0.163 ng

RT: 21.45 min Scan# 3125

Delta R.T. -0.00 min

Lab File: BG044266.D

Acq: 31 Jan 2020 19:05

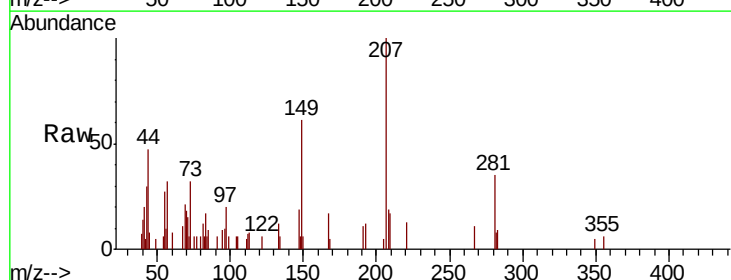
Tgt Ion:149 Resp: 3075

Ion Ratio Lower Upper

149 100

167 27.2 24.0 36.0

279 0.0 3.8 5.8#



Abundance Ion 149.00 (148.70 to 149.70): E

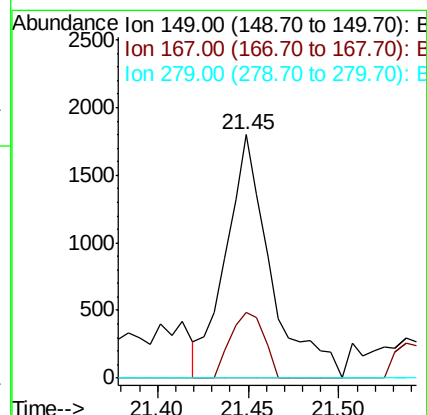
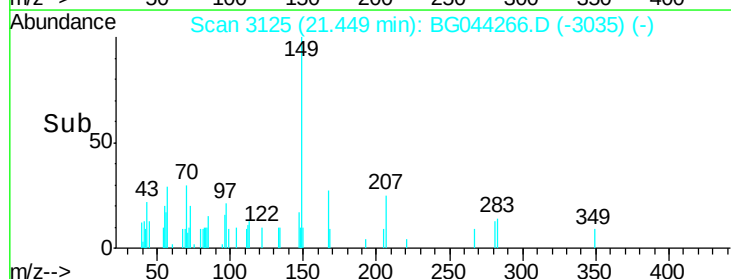
Ion 167.00 (166.70 to 167.70): E

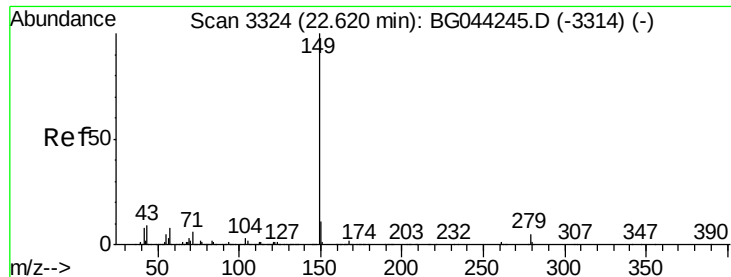
Ion 279.00 (278.70 to 279.70): E

21.45

21.45

21.50

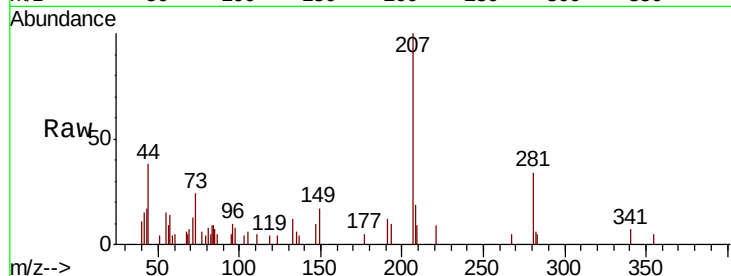




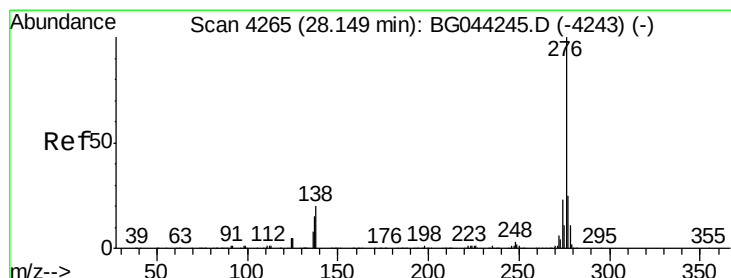
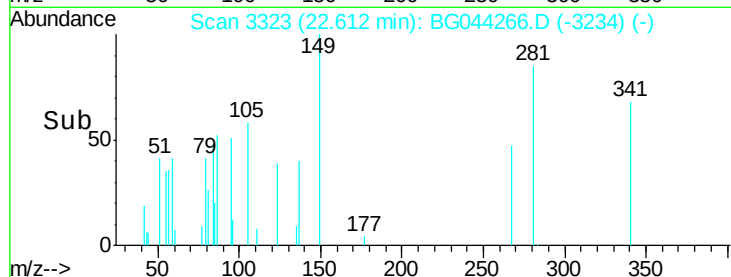
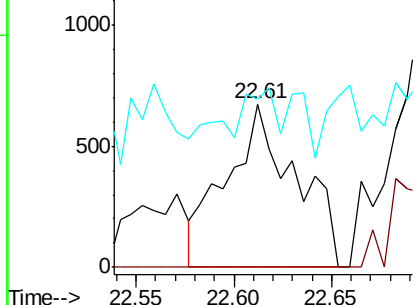
#85
Di-n-octyl phthalate
Concen: 0.051 ng
RT: 22.61 min Scan# 3323
Delta R.T. -0.01 min
Lab File: BG044266.D
Acq: 31 Jan 2020 19:05

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
149	100		
167	0.0	1.3	1.9#
43	0.0	7.4	11.0#

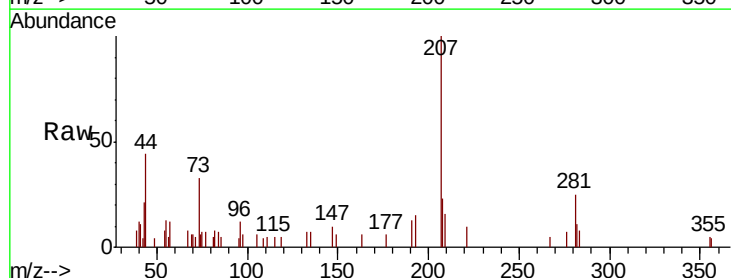


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BGC

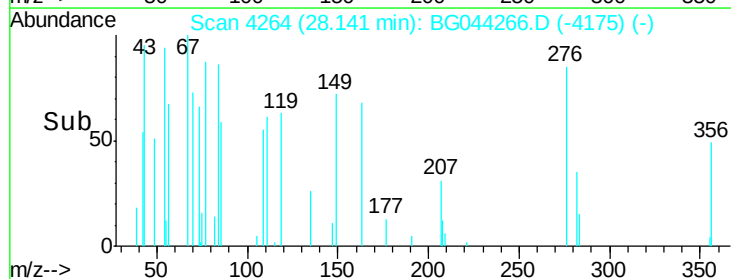
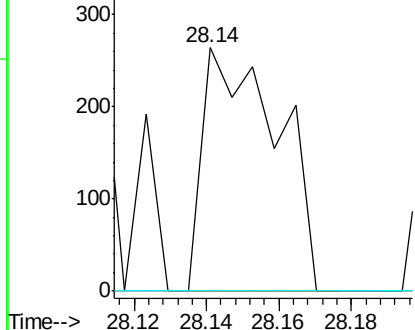


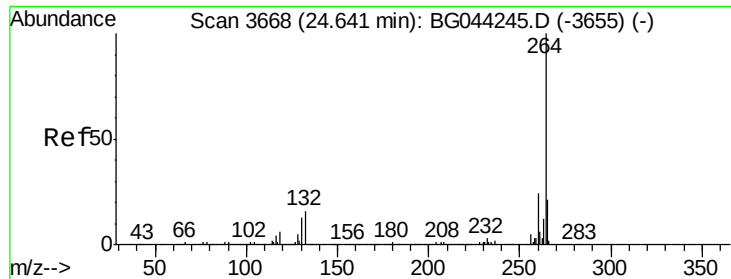
#86
Indeno(1,2,3-cd)pyrene
Concen: 0.010 ng
RT: 28.14 min Scan# 4264
Delta R.T. -0.01 min
Lab File: BG044266.D
Acq: 31 Jan 2020 19:05

Tgt Ion	Ratio	Lower	Upper
276	100		
138	0.0	19.4	29.0#
277	0.0	21.0	31.6#



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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.64 min Scan# 3668

Delta R.T. -0.00 min

Lab File: BG044266.D

Acq: 31 Jan 2020 19:05

Instrument :

BNA_G

ClientSampled :

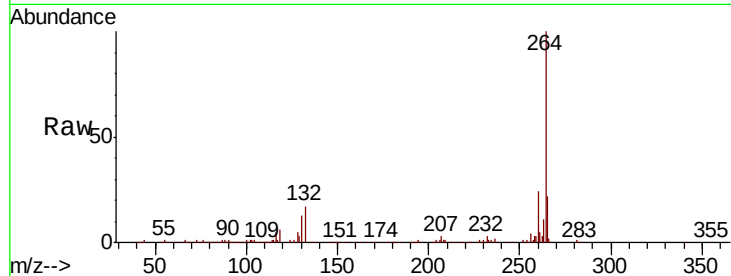
Tot Ion:264 Resp: 525999

Ion Ratio Lower Upper

264 100

260 24.2 19.4 29.2

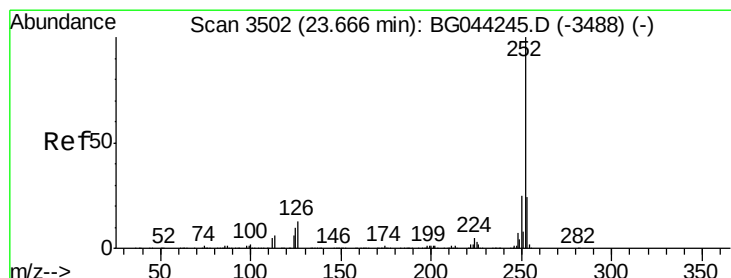
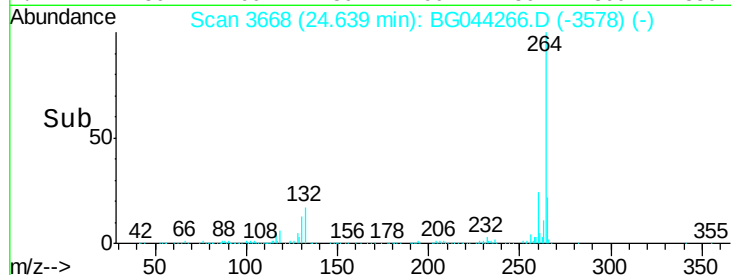
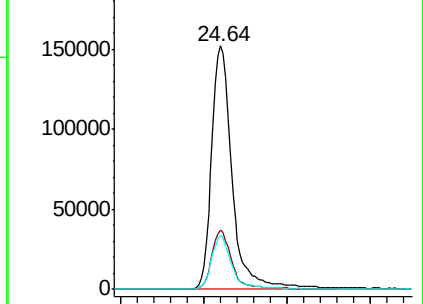
265 22.0 16.7 25.1



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: 0.043 ng

RT: 23.68 min Scan# 3504

Delta R.T. 0.01 min

Lab File: BG044266.D

Acq: 31 Jan 2020 19:05

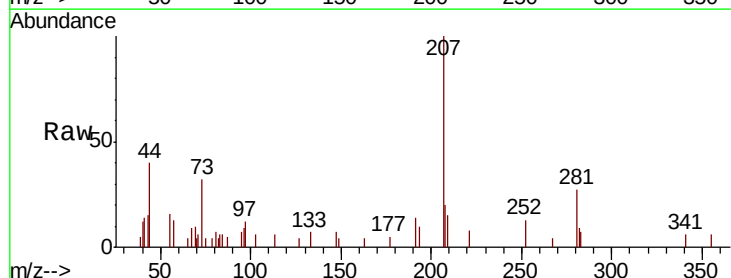
Tgt Ion:252 Resp: 1304

Ion Ratio Lower Upper

252 100

253 0.0 19.2 28.8#

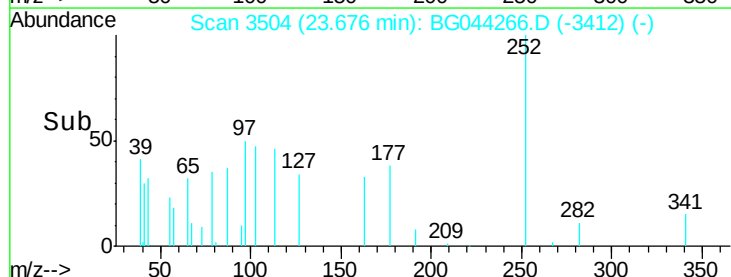
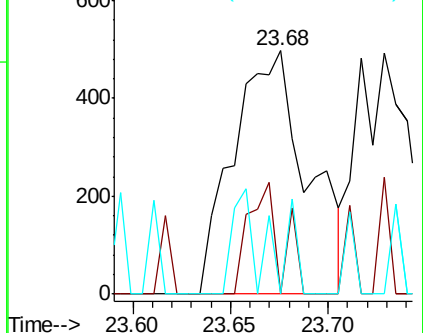
125 0.0 8.4 12.6#

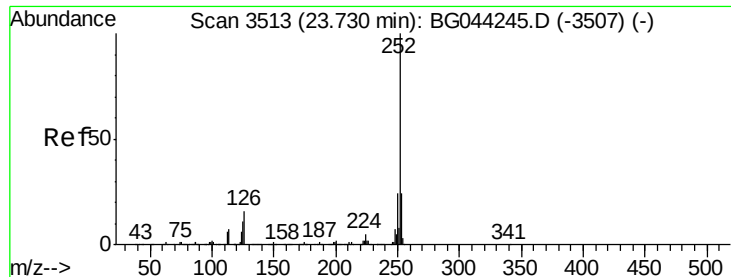


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 0.038 ng

RT: 23.73 min Scan# 3513

Delta R.T. -0.00 min

Lab File: BG044266.D

Acq: 31 Jan 2020 19:05

Instrument :

BNA_G

ClientSampleId :

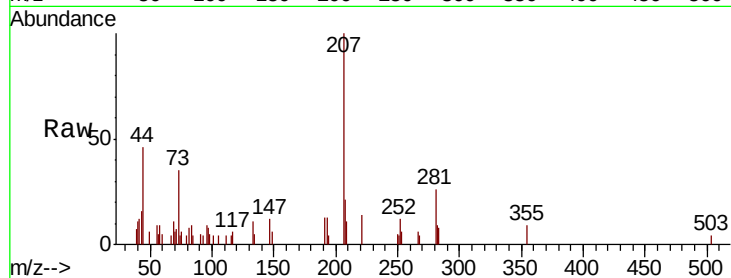
Tot Ion:252 Resp: 1117

Ion Ratio Lower Upper

252 100

253 48.6 19.1 28.7#

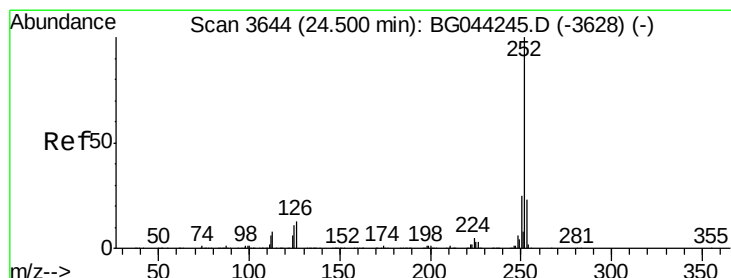
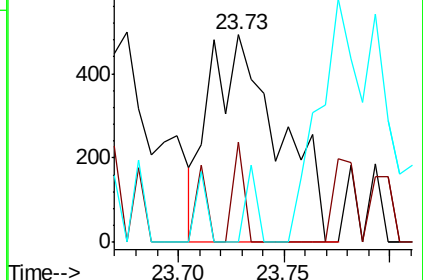
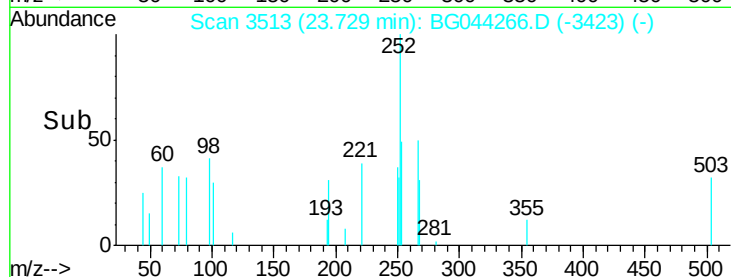
125 0.0 8.6 12.8#



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: 0.012 ng

RT: 24.48 min Scan# 3641

Delta R.T. -0.02 min

Lab File: BG044266.D

Acq: 31 Jan 2020 19:05

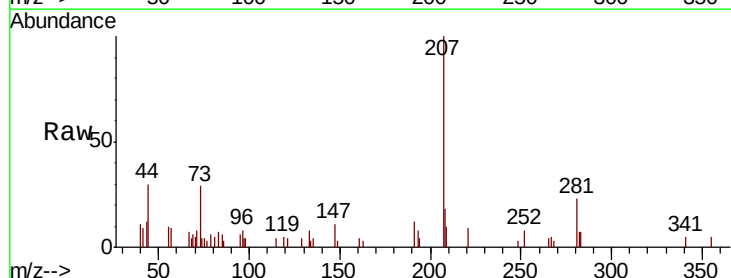
Tgt Ion:252 Resp: 354

Ion Ratio Lower Upper

252 100

253 0.0 18.1 27.1#

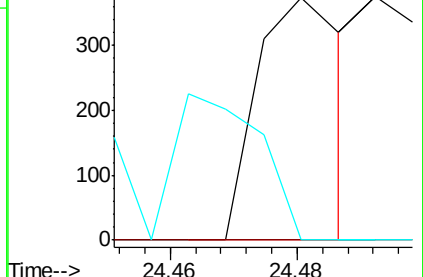
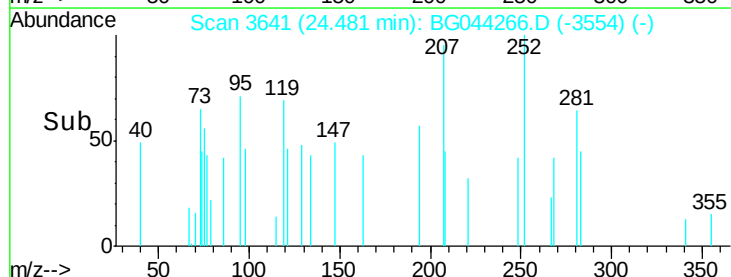
125 0.0 8.6 13.0#

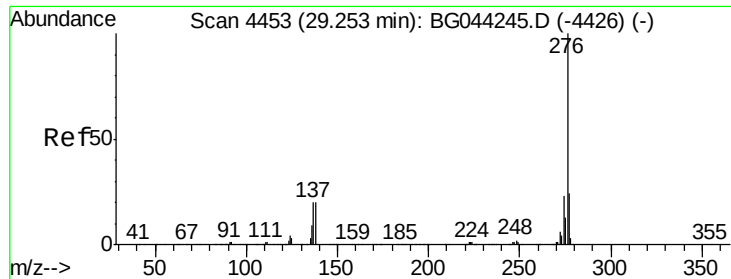


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(a,h,i)perylene

Concen: 0.005 ng

RT: 29.25 min Scan# 4453

Delta R.T. -0.00 min

Lab File: BG044266.D

Acq: 31 Jan 2020 19:05

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 276 Resp: 129

Ion Ratio Lower Upper

276 100

277 0.0 18.8 28.2#

138 0.0 16.2 24.2#

