

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG013120\
 Data File : BG044261.D
 Acq On : 31 Jan 2020 15:49
 Operator : CG/JU
 Sample : L1319-12
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 31 23:30:11 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	74668	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	329972	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	242924	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	529449	20.00	ng	0.00
76) Chrysene-d12	21.54	240	465903	20.00	ng	0.00
87) Perylene-d12	24.64	264	517840	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	432615	102.25	ng	0.00
7) Phenol-d6	7.09	99	603909	106.30	ng	0.00
23) Nitrobenzene-d5	9.07	82	363765	62.24	ng	0.00
42) 2,4,6-Tribromophenol	16.04	330	259960	91.16	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	957973	66.04	ng	0.00
79) Terphenyl-d14	19.91	244	1547059	68.30	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.39	88	294	0.155	ng	# 76
3) Pyridine	3.82	79	57	0.011	ng	# 1
4) n-Nitrosodimethylamine	3.68	42	601	0.284	ng	# 1
9) Benzaldehyde	7.09	77	1003	0.310	ng	# 1
10) Phenol	7.11	94	4284	0.762	ng	# 22
12) 1,3-Dichlorobenzene	7.95	146	56	0.010	ng	# 26
13) 1,4-Dichlorobenzene	7.95	146	56	0.010	ng	# 25
14) 1,2-Dichlorobenzene	7.95	146	56	0.011	ng	# 24
15) Benzyl Alcohol	8.23	79	5640	1.402	ng	# 37
19) n-Nitroso-di-n-propylamine	9.07	70	46295	12.227	ng	# 77
22) Acetophenone	8.69	105	57	0.007	ng	# 54
24) Nitrobenzene	9.07	77	1252	0.219	ng	# 38
25) Isophorone	9.59	82	230	0.021	ng	# 64
46) 1,1'-Biphenyl	13.38	154	2543	0.145	ng	# 95
48) 2-Nitroaniline	14.01	65	365	0.089	ng	# 1
49) Acenaphthylene	14.23	152	57	0.003	ng	# 58
50) Dimethylphthalate	14.01	163	39428	2.258	ng	# 95
51) 2,6-Dinitrotoluene	14.55	165	32164	8.261	ng	# 28
52) Acenaphthene	14.55	154	879	0.066	ng	# 5
57) 2,4-Dinitrotoluene	14.55	165	32164	5.894	ng	# 26
58) Fluorene	16.04	166	11307	0.715	ng	# 83
63) Azobenzene	15.92	77	55	0.004	ng	# 10
65) 4,6-Dinitro-2-methylphenol	16.04	198	678	0.232	ng	# 1
66) n-Nitrosodiphenylamine	16.04	169	8801	0.593	ng	# 45
67) 4-Bromophenyl-phenylether	16.04	248	18476	3.203	ng	# 1
71) Phenanthrene	17.33	178	694	0.027	ng	# 57
72) Anthracene	17.33	178	694	0.027	ng	# 57
74) Di-n-butylphthalate	18.26	149	823	0.029	ng	# 75
75) Fluoranthene	19.35	202	1648	0.056	ng	# 88
77) Benzidine	19.91	184	24291	1.880	ng	# 91
78) Pyrene	19.35	202	1648	0.055	ng	# 98
80) Butylbenzylphthalate	20.60	149	1519	0.111	ng	# 1
81) Benzo(a)anthracene	21.53	228	2876	0.100	ng	# 80
82) 3,3'-Dichlorobenzidine	21.50	252	54	0.005	ng	# 1

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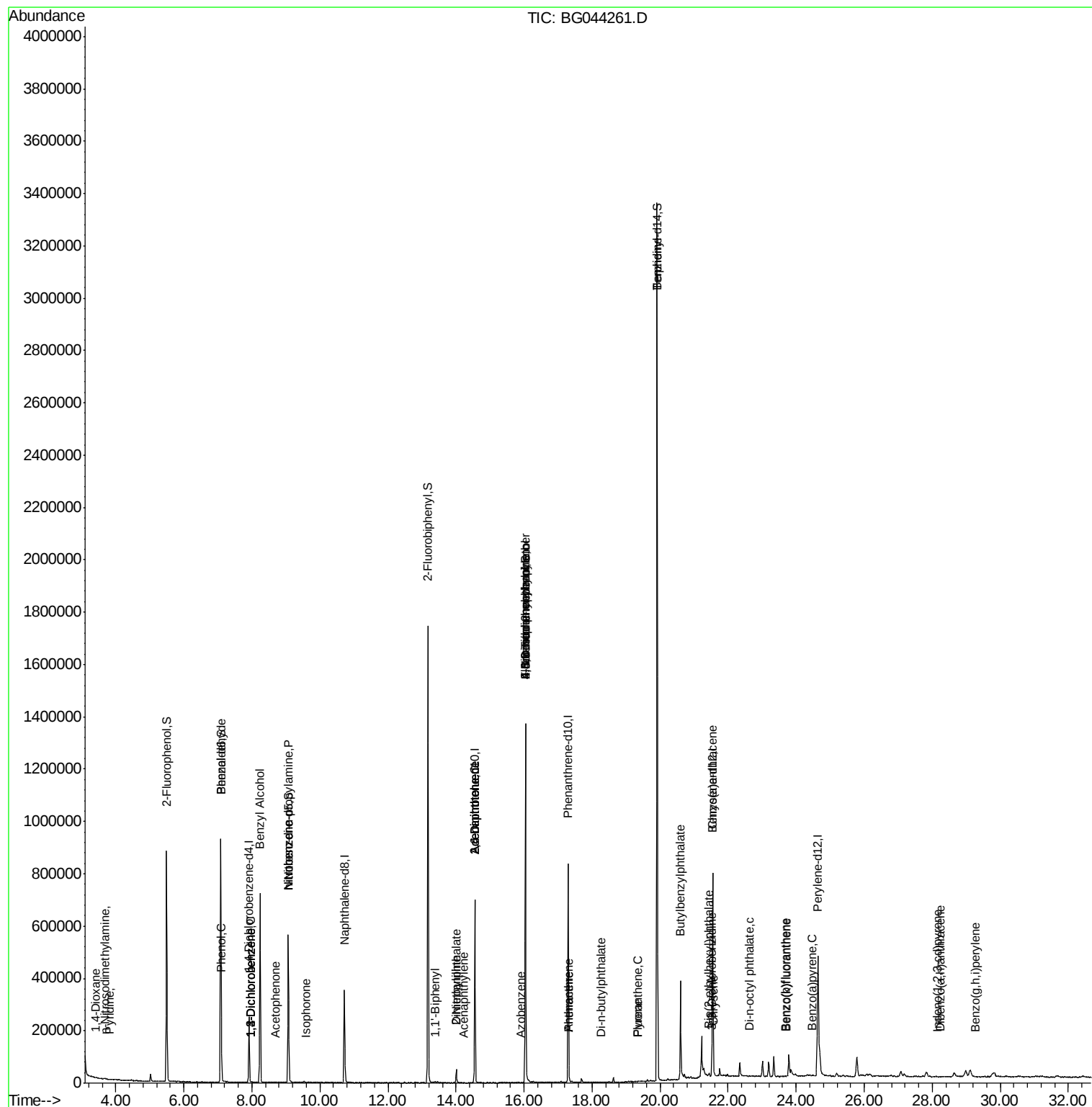
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) Chrysene	21.59	228	1109	0.040	nq	# 84
84) Bis(2-ethylhexyl)phthalate	21.44	149	4583	0.244	nq	# 79
85) Di-n-octyl phthalate	22.61	149	1078	0.033	nq	# 1
86) Indeno(1,2,3-cd)pyrene	28.15	276	341	0.009	nq	# 70
88) Benzo(b)fluoranthene	23.68	252	1941	0.065	nq	# 68
89) Benzo(k)fluoranthene	23.71	252	1539	0.053	nq	# 47
90) Benzo(a)pyrene	24.48	252	508	0.018	nq	# 53
91) Dibenzo(a,h)anthracene	28.24	278	88	0.003	nq	# 56
92) Benzo(g,h,i)perylene	29.26	276	248	0.009	nq	# 54

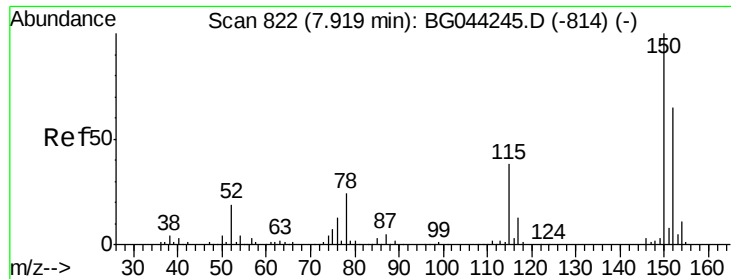
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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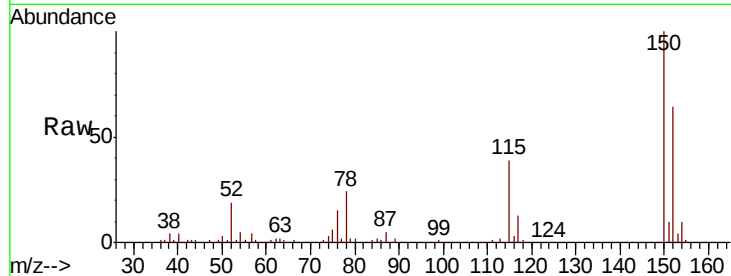


#1

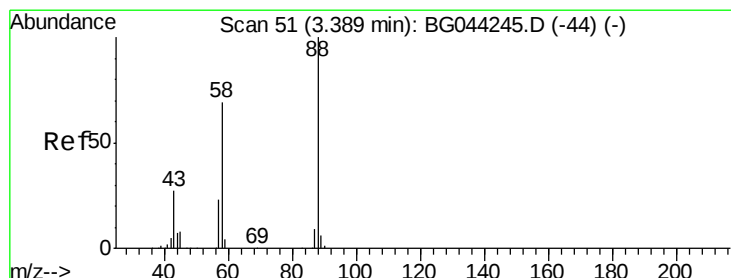
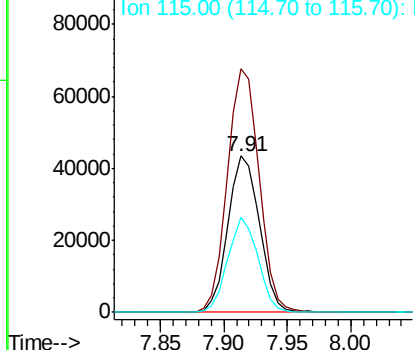
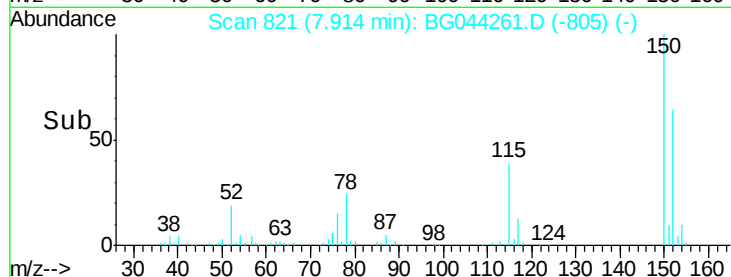
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.91 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: BG044261.D
 Acq: 31 Jan 2020 15:49

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:152 Resp: 74668
 Ion Ratio Lower Upper
 152 100
 150 156.1 122.6 183.8
 115 60.8 46.0 69.0



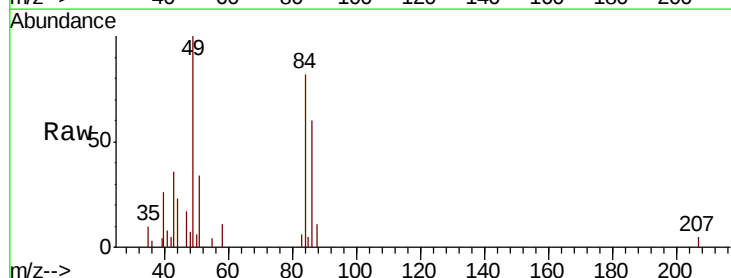
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



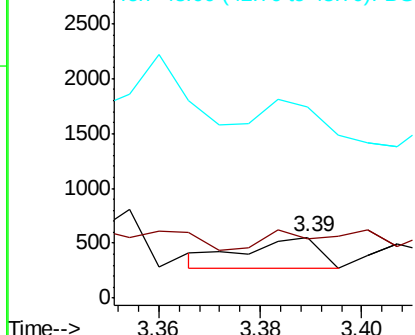
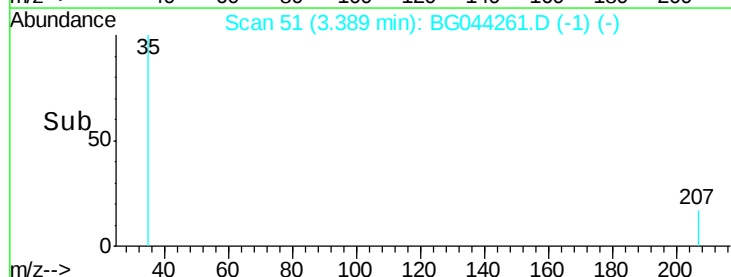
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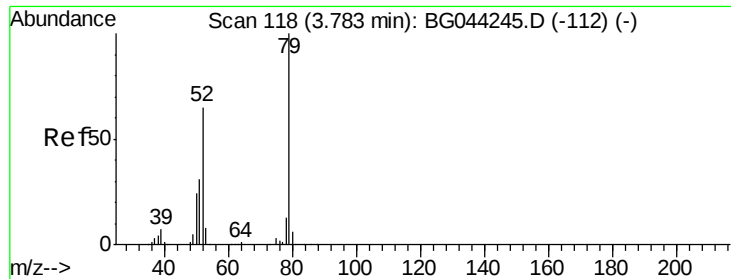
1,4-Dioxane
 Concen: 0.155 ng
 RT: 3.39 min Scan# 51
 Delta R.T. -0.00 min
 Lab File: BG044261.D
 Acq: 31 Jan 2020 15:49

Tgt Ion: 88 Resp: 294
 Ion Ratio Lower Upper
 88 100
 58 79.9 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: 0.011 ng

RT: 3.82 min Scan# 124

Delta R.T. 0.04 min

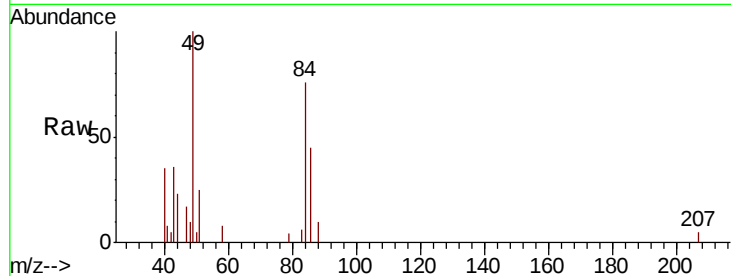
Lab File: BG044261.D

Acq: 31 Jan 2020 15:49

Instrument :

BNA_G

ClientSampleId :



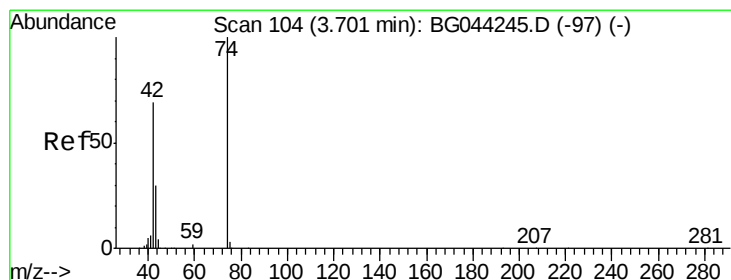
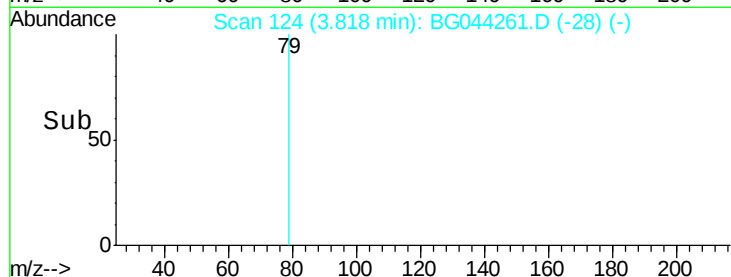
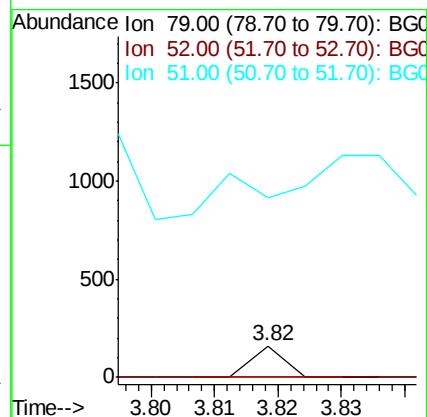
Tot Ion: 79 Resp: 57

Ion Ratio Lower Upper

79 100

52 0.0 51.9 77.9#

51 570.2 25.3 37.9#



#4

n-Nitrosodimethylamine

Concen: 0.284 ng

RT: 3.68 min Scan# 101

Delta R.T. -0.02 min

Lab File: BG044261.D

Acq: 31 Jan 2020 15:49

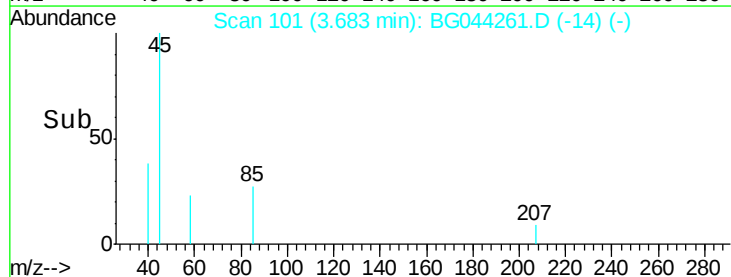
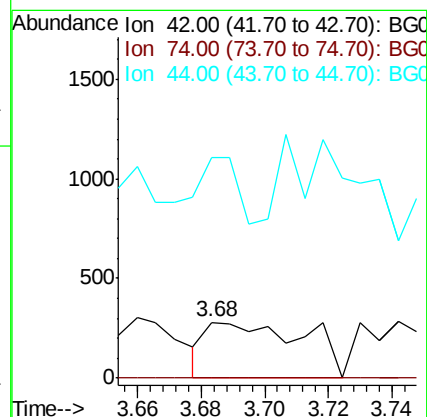
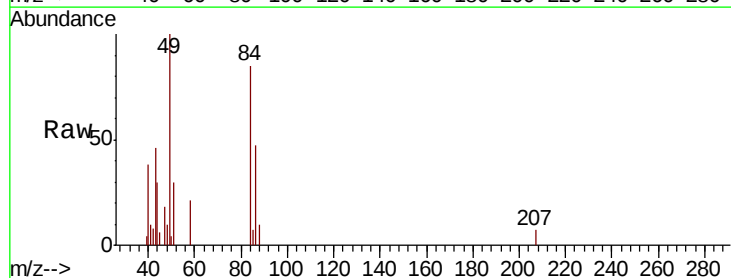
Tgt Ion: 42 Resp: 601

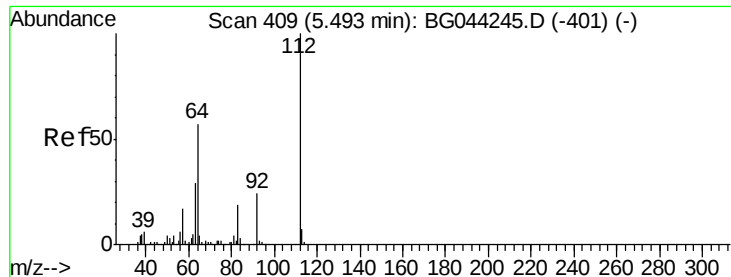
Ion Ratio Lower Upper

42 100

74 0.0 115.1 172.7#

44 394.3 5.6 8.4#





#5

2-Fluorophenol

Concen: 102.252 ng

RT: 5.49 min Scan# 409

Delta R.T. -0.00 min

Lab File: BG044261.D

Acq: 31 Jan 2020 15:49

Instrument :

BNA_G

ClientSampleId :

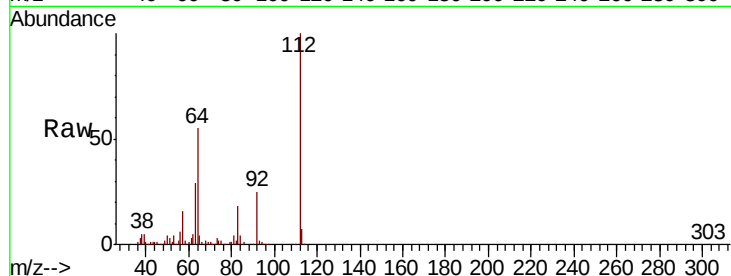
Tot Ion:112 Resp: 432615

Ion Ratio Lower Upper

112 100

64 55.2 45.4 68.2

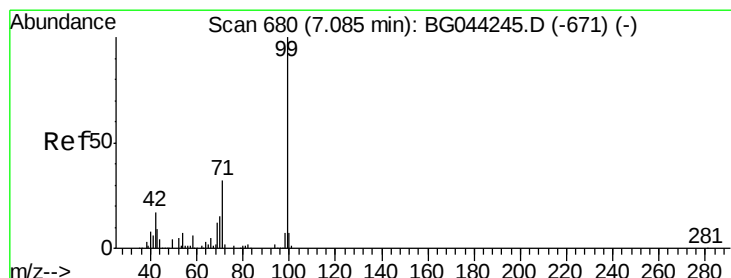
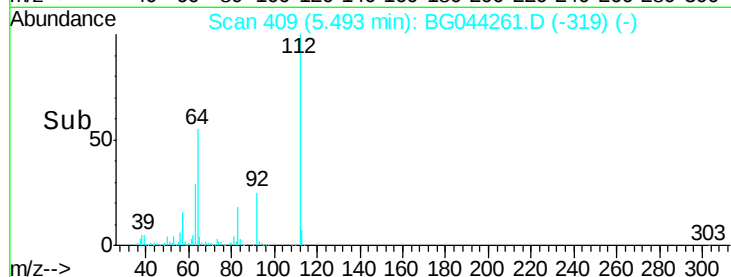
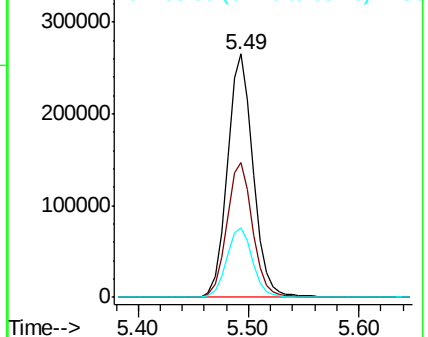
63 28.6 22.9 34.3



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



#7

Phenol-d6

Concen: 106.296 ng

RT: 7.09 min Scan# 680

Delta R.T. -0.00 min

Lab File: BG044261.D

Acq: 31 Jan 2020 15:49

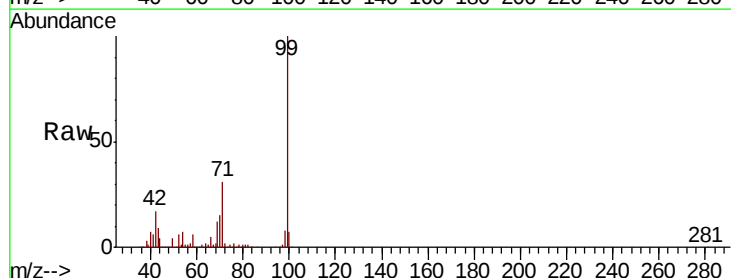
Tgt Ion: 99 Resp: 603909

Ion Ratio Lower Upper

99 100

42 17.0 13.8 20.6

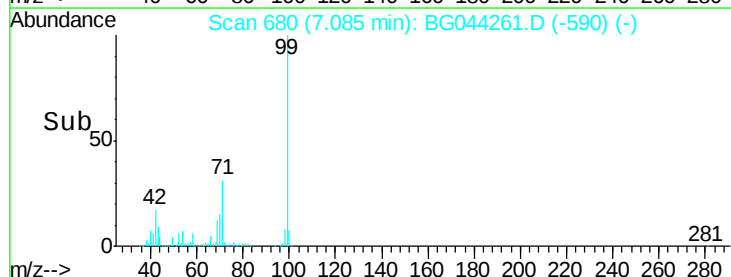
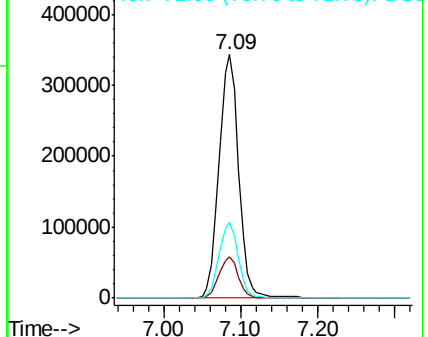
71 31.0 25.5 38.3

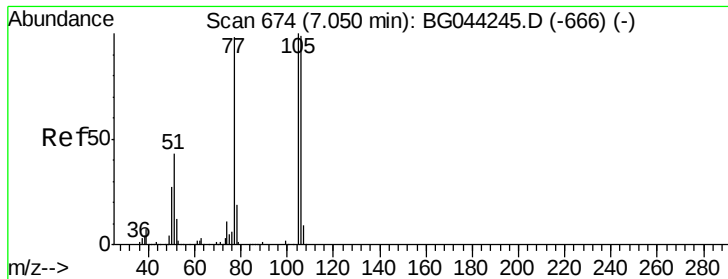


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#9

Benzaldehyde

Concen: 0.310 ng

RT: 7.09 min Scan# 680

Delta R.T. 0.04 min

Lab File: BG044261.D

Acq: 31 Jan 2020 15:49

Instrument :

BNA_G

ClientSampled :

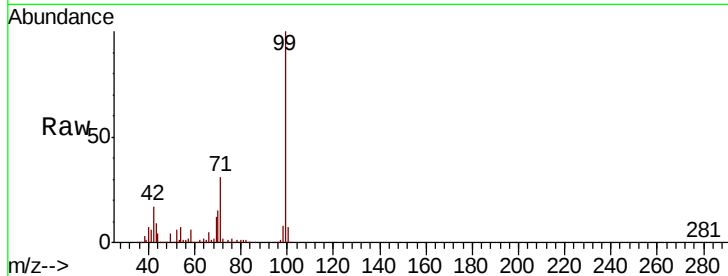
Tot Ion: 77 Resp: 1003

Ion Ratio Lower Upper

77 100

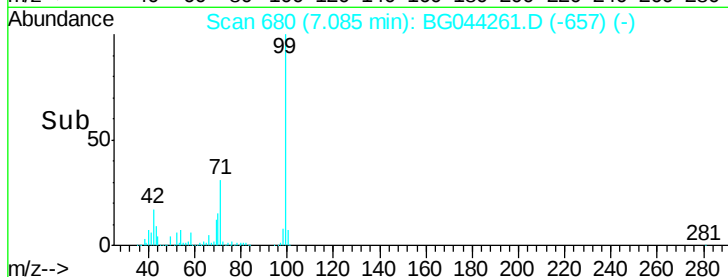
105 0.0 82.0 122.0#

106 0.0 80.7 120.7#

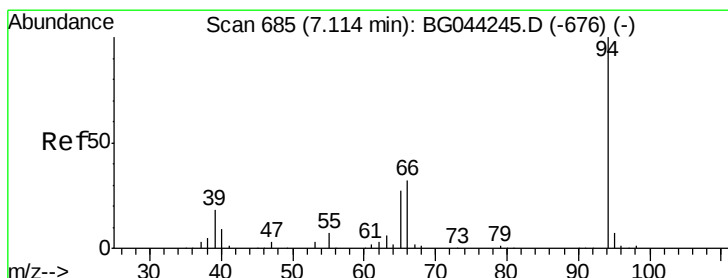


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC

7.09



Time-->



#10

Phenol

Concen: 0.762 ng

RT: 7.11 min Scan# 684

Delta R.T. -0.01 min

Lab File: BG044261.D

Acq: 31 Jan 2020 15:49

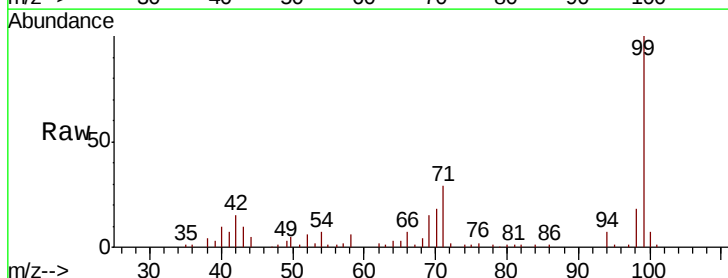
Tgt Ion: 94 Resp: 4284

Ion Ratio Lower Upper

94 100

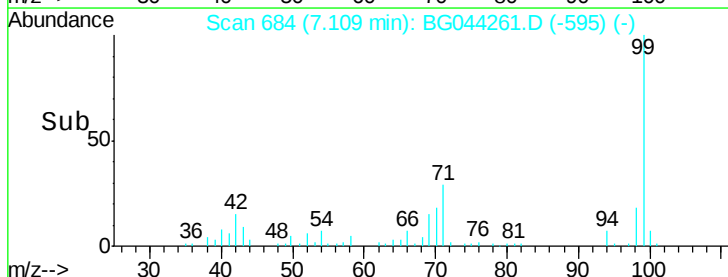
65 41.0 7.0 47.0

66 100.3 12.7 52.7#

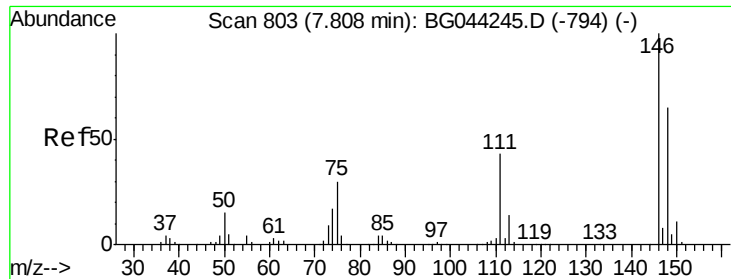


Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

7.11



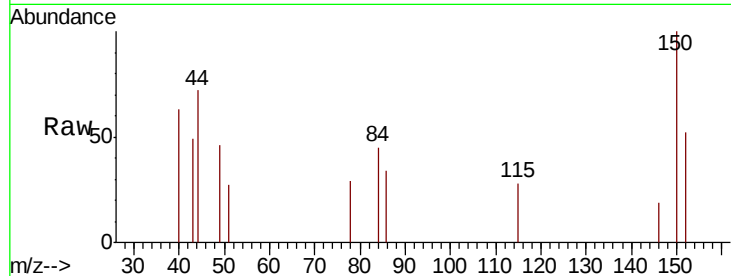
Time-->



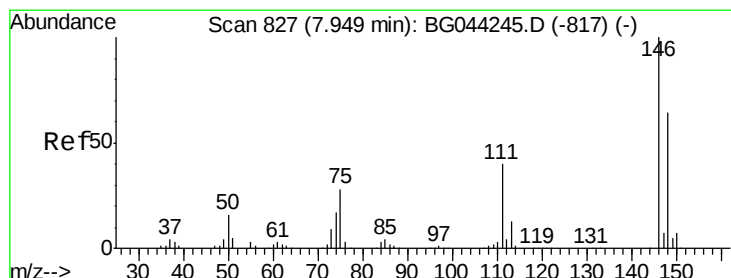
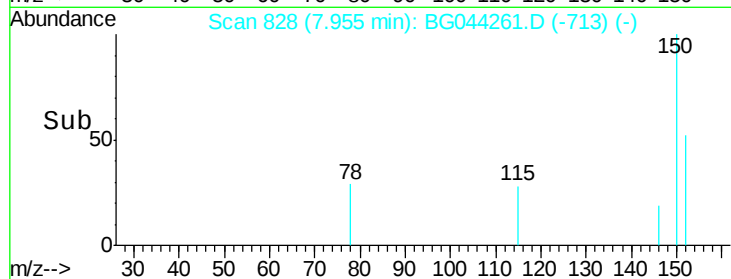
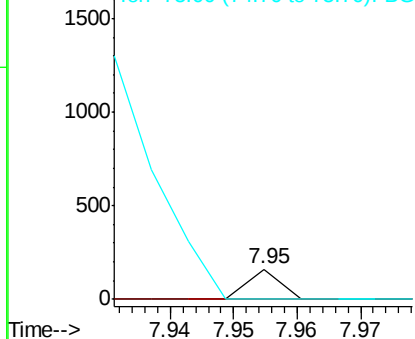
#12
 1,3-Dichlorobenzene
 Concen: 0.010 ng
 RT: 7.95 min Scan# 828
 Delta R.T. 0.15 min
 Lab File: BG044261.D
 Acq: 31 Jan 2020 15:49

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
148	0.0	51.8	77.8#
75	0.0	23.7	35.5#

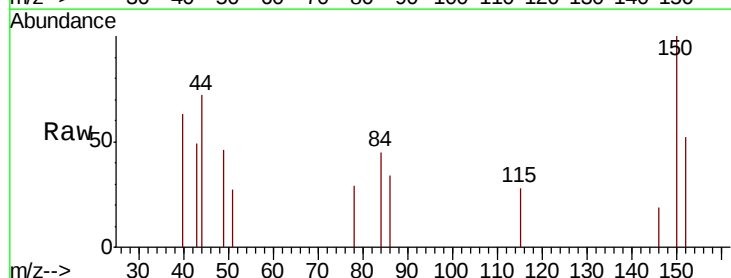


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): B

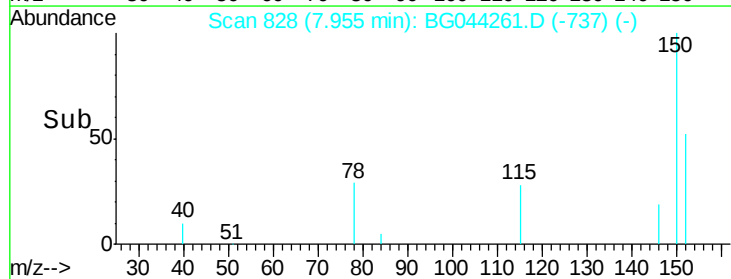
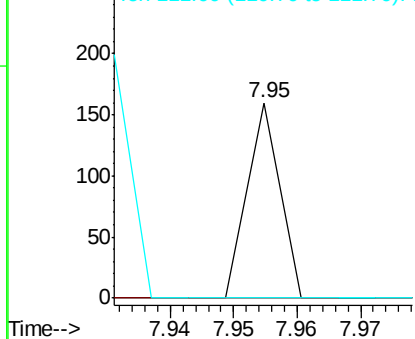


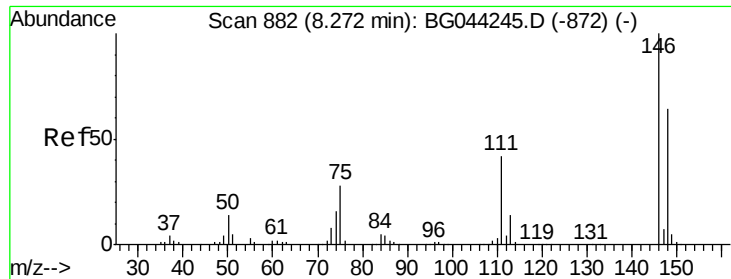
#13
 1,4-Dichlorobenzene
 Concen: 0.010 ng
 RT: 7.95 min Scan# 828
 Delta R.T. 0.01 min
 Lab File: BG044261.D
 Acq: 31 Jan 2020 15:49

Tgt Ion	Ratio	Lower	Upper
146	100		
148	0.0	51.4	77.0#
111	0.0	31.8	47.8#



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

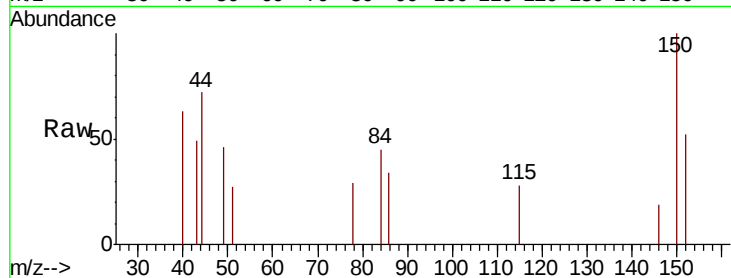




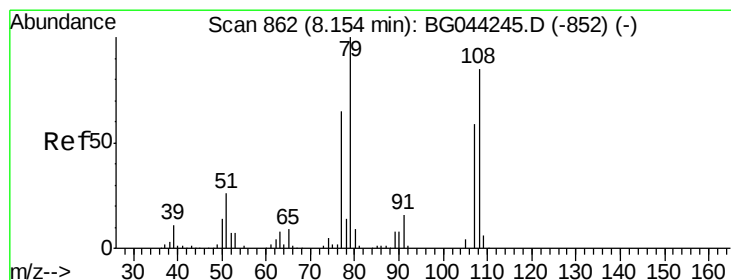
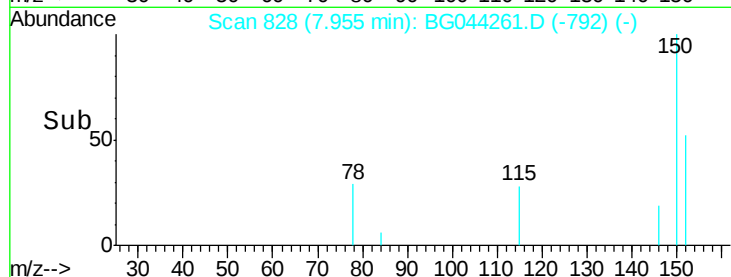
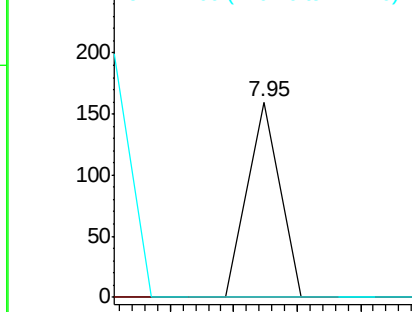
#14
 1,2-Dichlorobenzene
 Concen: 0.011 ng
 RT: 7.95 min Scan# 828
 Delta R.T. -0.32 min
 Lab File: BG044261.D
 Acq: 31 Jan 2020 15:49

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:146 Resp: 56
 Ion Ratio Lower Upper
 146 100
 148 0.0 51.2 76.8#
 111 0.0 34.0 51.0#

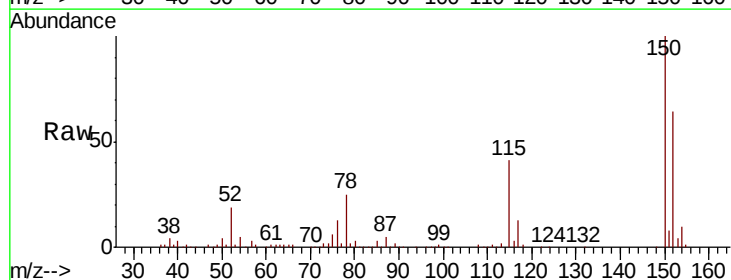


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

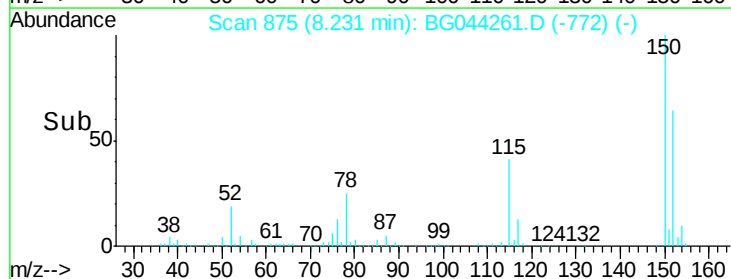
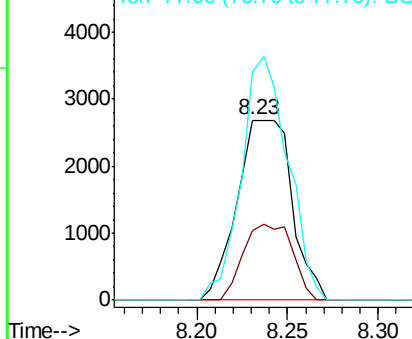


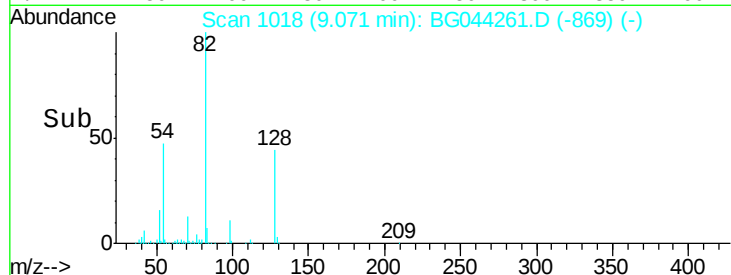
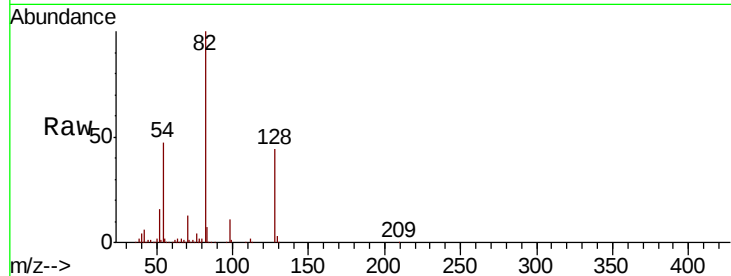
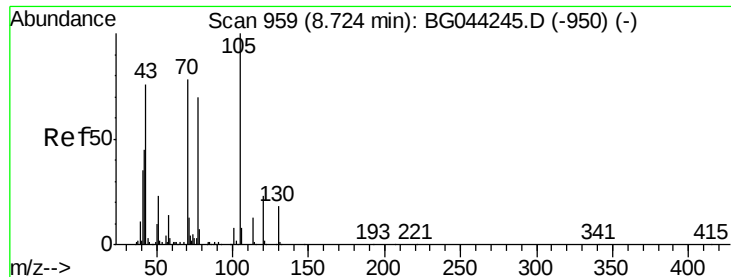
#15
 Benzyl Alcohol
 Concen: 1.402 ng
 RT: 8.23 min Scan# 875
 Delta R.T. 0.08 min
 Lab File: BG044261.D
 Acq: 31 Jan 2020 15:49

Tgt Ion: 79 Resp: 5640
 Ion Ratio Lower Upper
 79 100
 108 38.5 68.3 102.5#
 77 126.7 51.8 77.8#



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

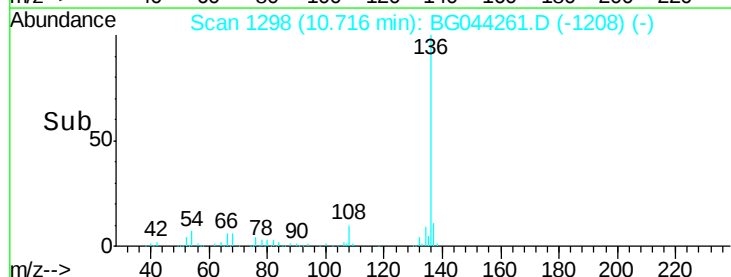
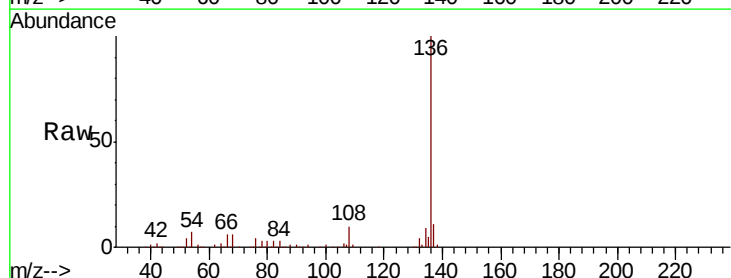
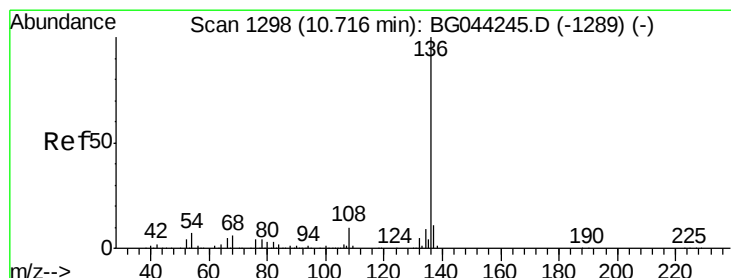
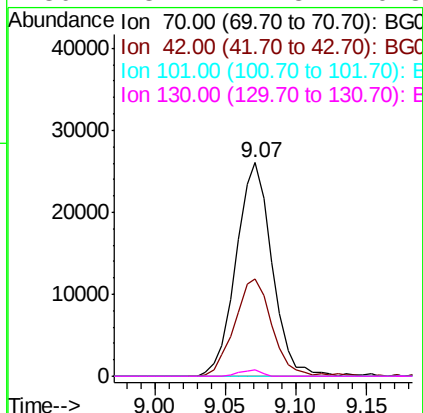




#19
n-Nitroso-di-n-propylamine
Concen: 12.227 ng
RT: 9.07 min Scan# 1018
Delta R.T. 0.35 min
Lab File: BG044261.D
Acq: 31 Jan 2020 15:49

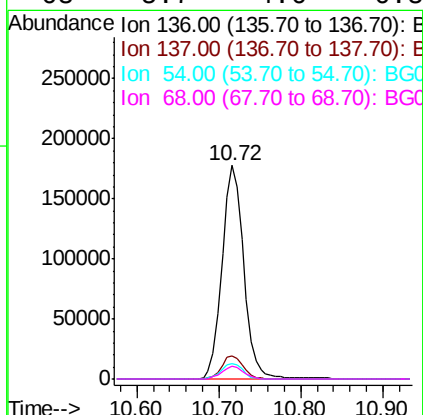
Instrument :
BNA_G
ClientSampleId :

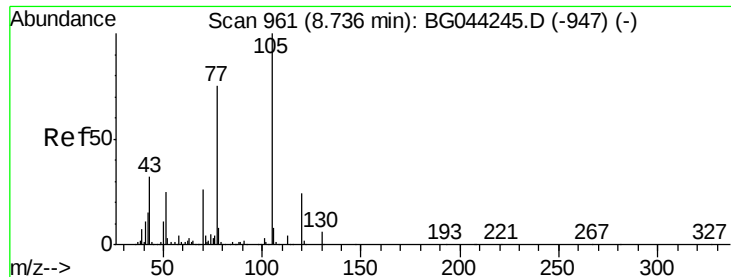
Tot Ion	Ratio	Lower	Upper
70	100		
42	45.8	46.2	69.2#
101	0.0	8.4	12.6#
130	3.1	17.8	26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1298
Delta R.T. -0.00 min
Lab File: BG044261.D
Acq: 31 Jan 2020 15:49

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.5	5.8	8.8
68	5.7	4.6	6.8





#22

Acetophenone

Concen: 0.007 ng

RT: 8.69 min Scan# 954

Delta R.T. -0.04 min

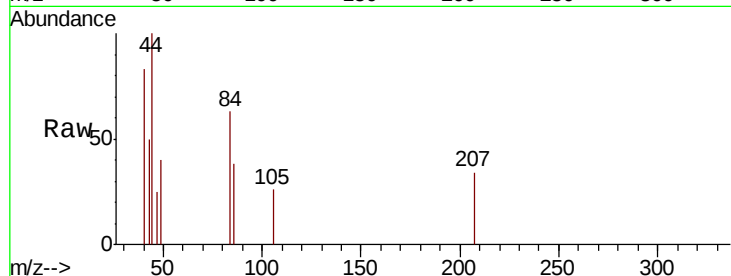
Lab File: BG044261.D

Acq: 31 Jan 2020 15:49

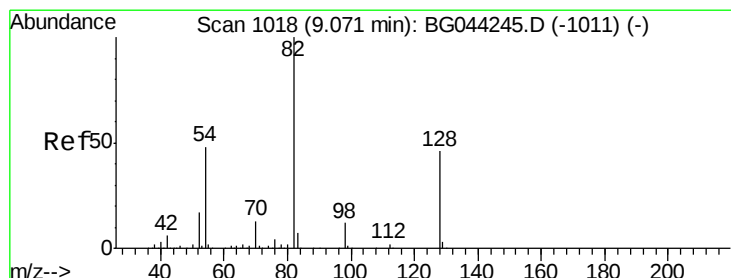
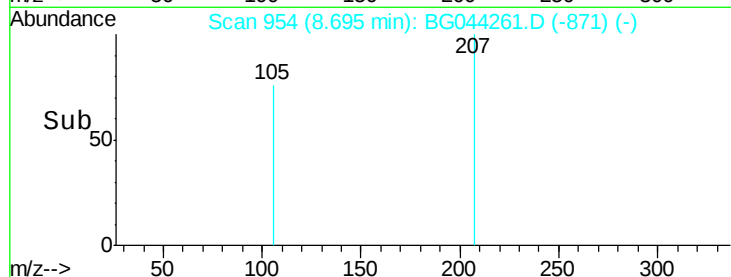
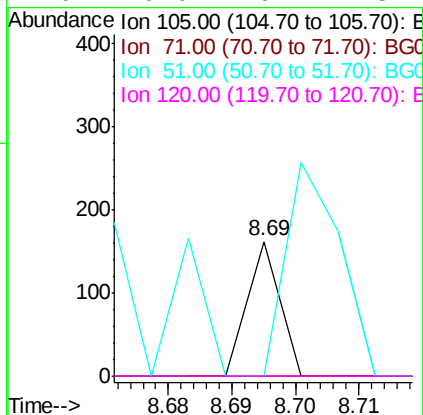
Instrument :

BNA_G

ClientSampleId :



Tot Ion:	105	Resp:	57
Ion	Ratio	Lower	Upper
105	100		
71	0.0	3.4	5.0#
51	0.0	20.2	30.4#
120	0.0	19.1	28.7#



#23

Nitrobenzene-d5

Concen: 62.238 ng

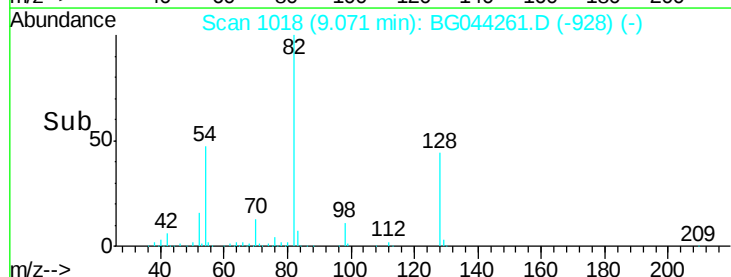
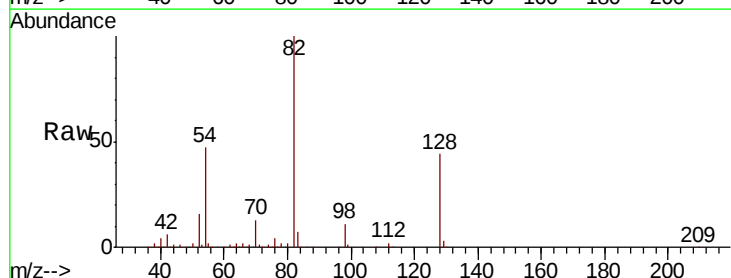
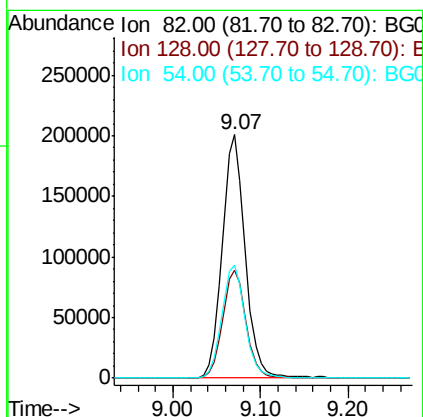
RT: 9.07 min Scan# 1018

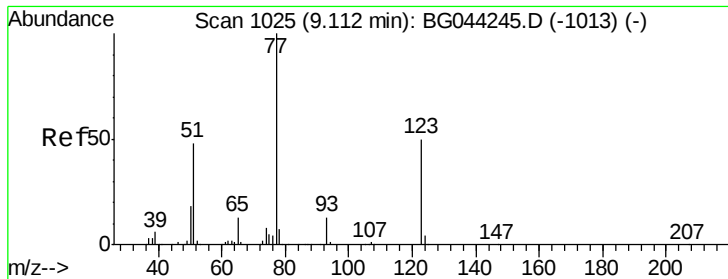
Delta R.T. -0.00 min

Lab File: BG044261.D

Acq: 31 Jan 2020 15:49

Tgt Ion:	82	Resp:	363765
Ion	Ratio	Lower	Upper
82	100		
128	44.2	36.5	54.7
54	46.6	38.6	58.0

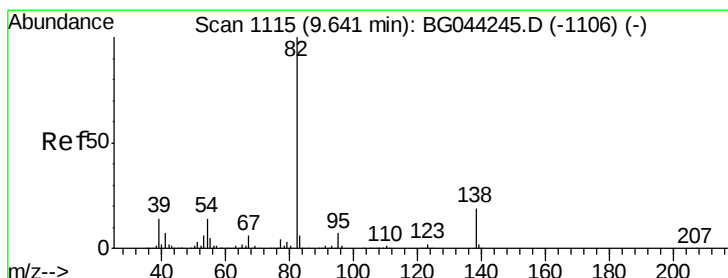
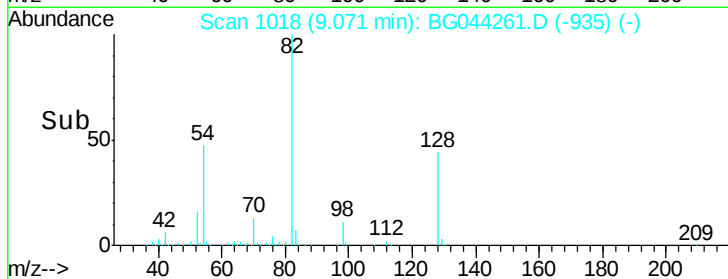
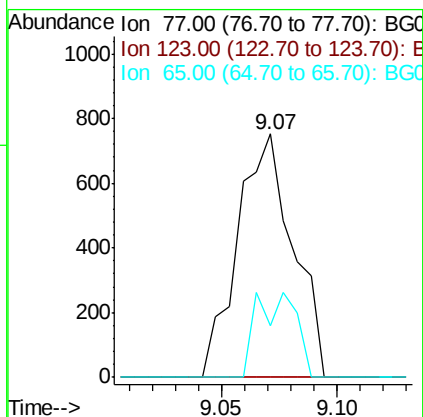
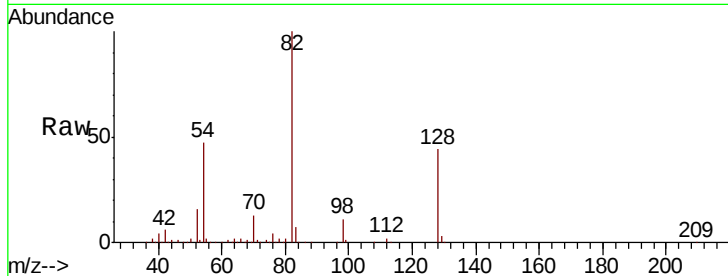




#24
Nitrobenzene
Concen: 0.219 ng
RT: 9.07 min Scan# 1018
Delta R.T. -0.04 min
Lab File: BG044261.D
Acq: 31 Jan 2020 15:49

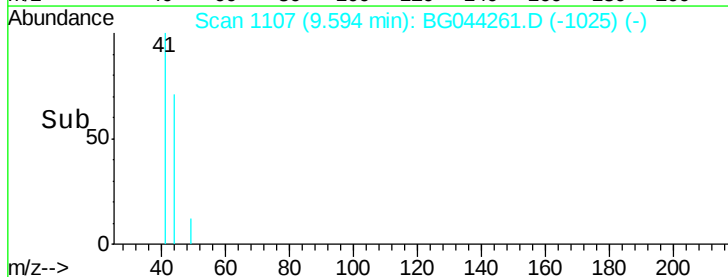
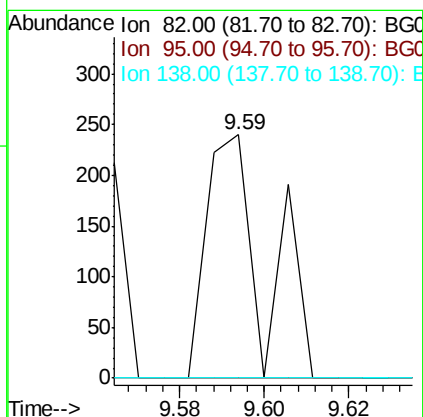
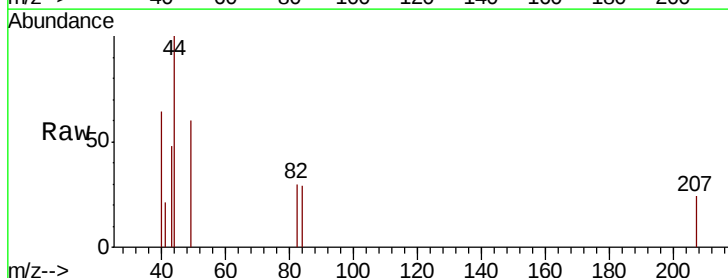
Instrument :
BNA_G
ClientSampled :

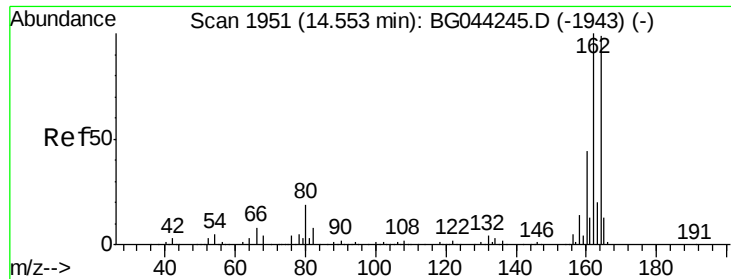
Tot Ion: 77 Resp: 1252
Ion Ratio Lower Upper
77 100
123 0.0 39.9 59.9#
65 21.2 10.4 15.6#



#25
Isophorone
Concen: 0.021 ng
RT: 9.59 min Scan# 1107
Delta R.T. -0.05 min
Lab File: BG044261.D
Acq: 31 Jan 2020 15:49

Tgt Ion: 82 Resp: 230
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 15.0 22.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.55 min Scan# 1951

Delta R.T. -0.00 min

Lab File: BG044261.D

Acq: 31 Jan 2020 15:49

Instrument :

BNA_G

ClientSampleId :

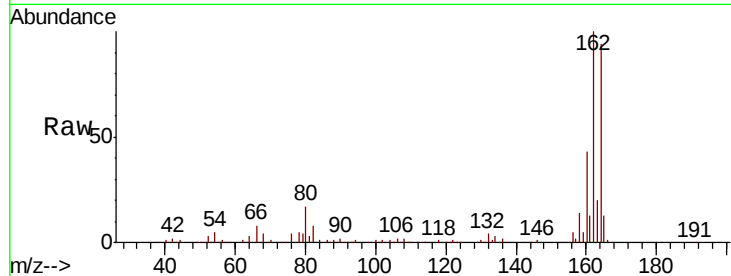
Tot Ion:164 Resp: 242924

Ion Ratio Lower Upper

164 100

162 106.0 80.7 121.1

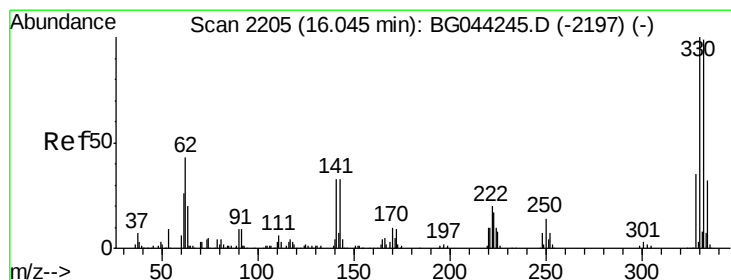
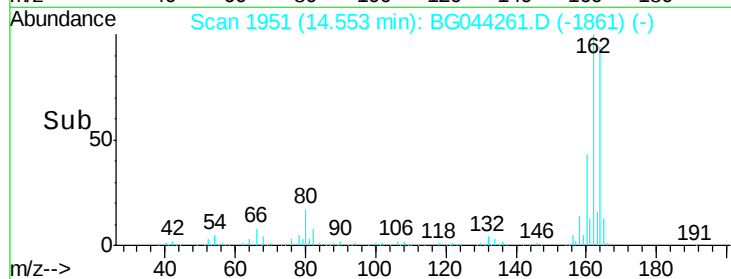
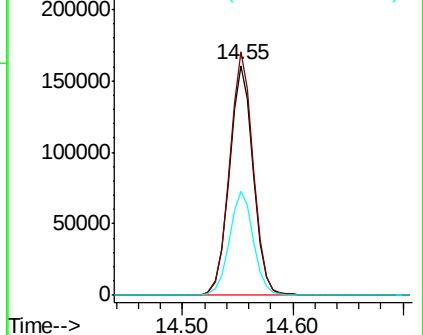
160 45.5 35.3 52.9



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: 91.157 ng

RT: 16.04 min Scan# 2204

Delta R.T. -0.01 min

Lab File: BG044261.D

Acq: 31 Jan 2020 15:49

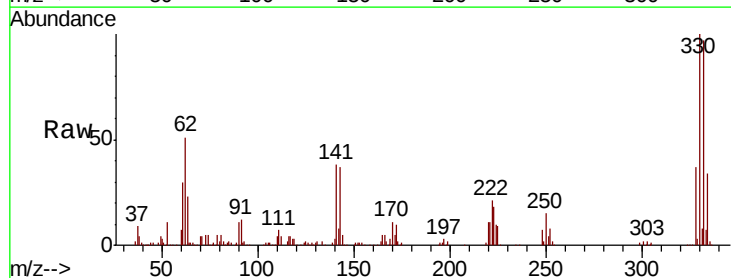
Tgt Ion:330 Resp: 259960

Ion Ratio Lower Upper

330 100

332 96.5 77.2 115.8

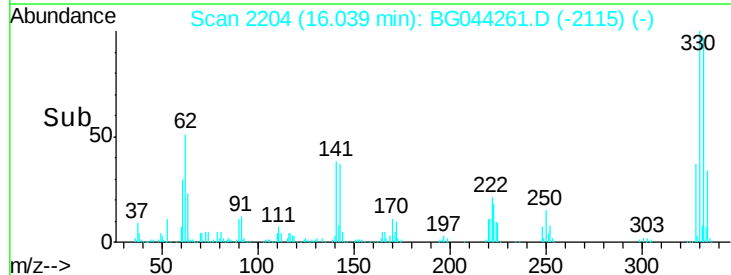
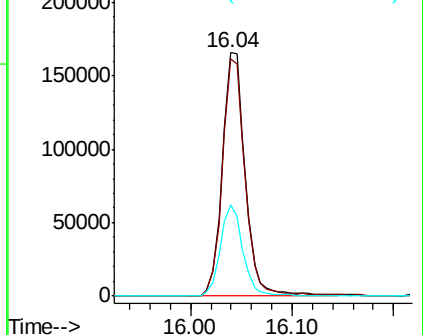
141 37.1 28.3 42.5

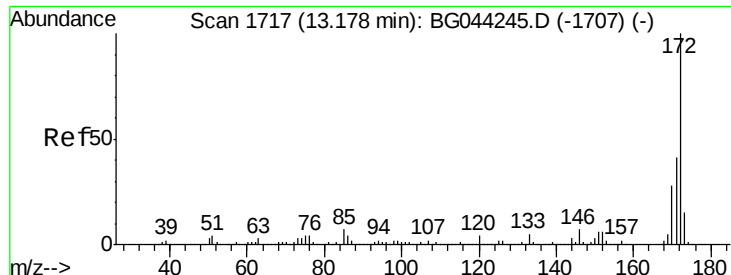


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

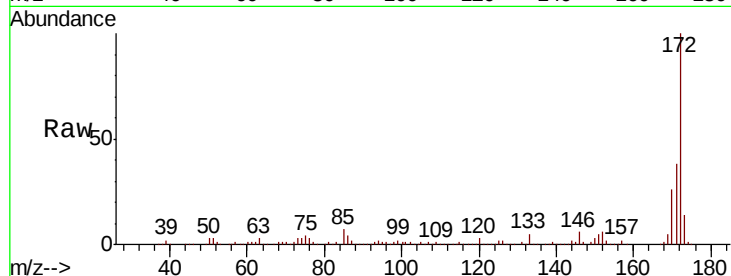




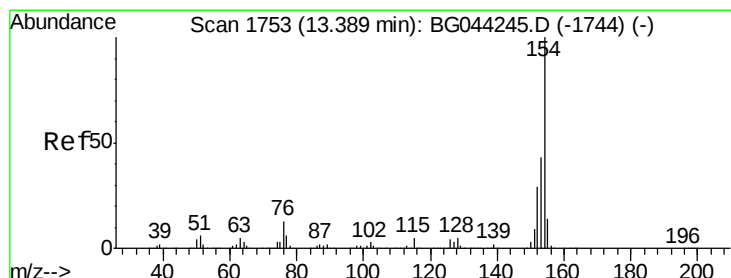
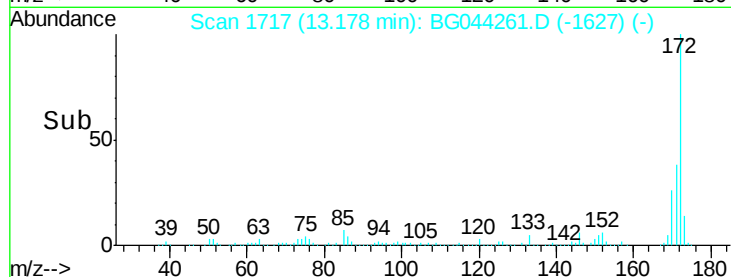
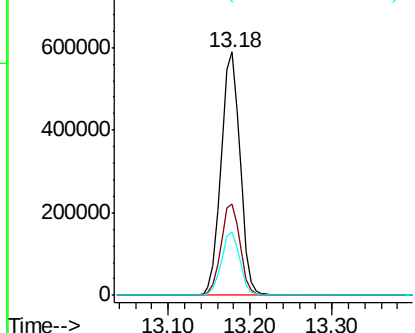
#45
2-Fluorobiphenyl
Concen: 66.036 ng
RT: 13.18 min Scan# 1717
Delta R.T. -0.00 min
Lab File: BG044261.D
Acq: 31 Jan 2020 15:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 957973
Ion Ratio Lower Upper
172 100
171 37.7 32.9 49.3
170 26.0 22.0 33.0

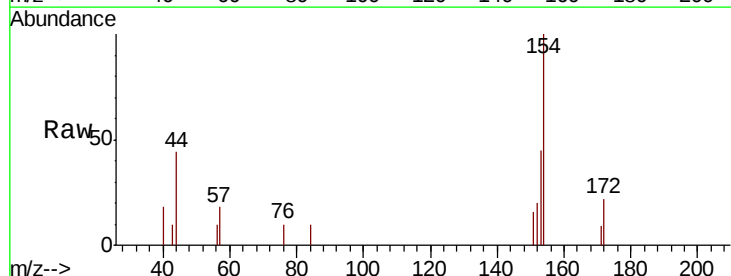


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

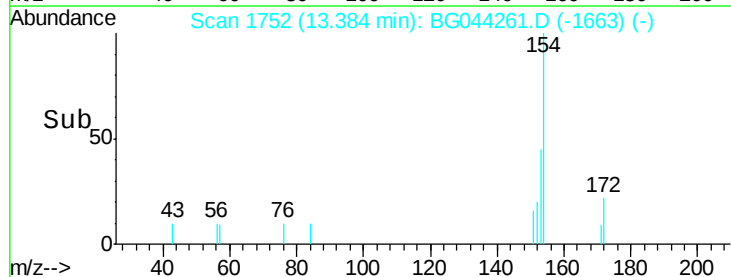
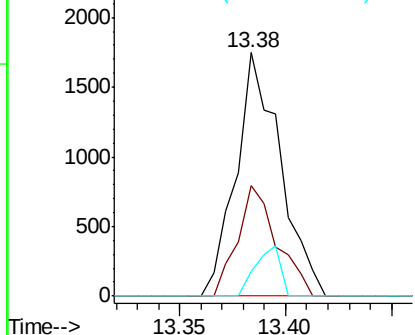


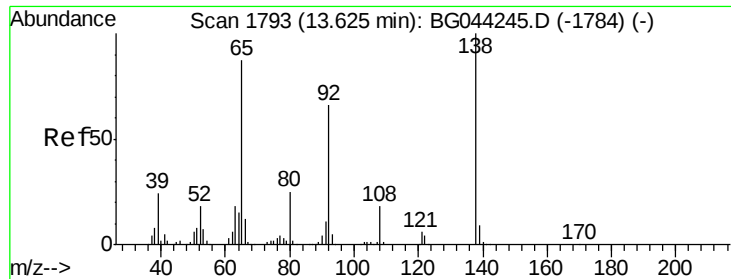
#46
1,1'-Biphenyl
Concen: 0.145 ng
RT: 13.38 min Scan# 1752
Delta R.T. -0.01 min
Lab File: BG044261.D
Acq: 31 Jan 2020 15:49

Tgt Ion:154 Resp: 2543
Ion Ratio Lower Upper
154 100
153 45.3 22.7 62.7
76 10.0 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

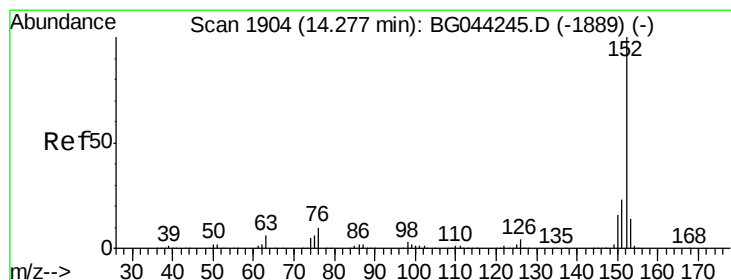
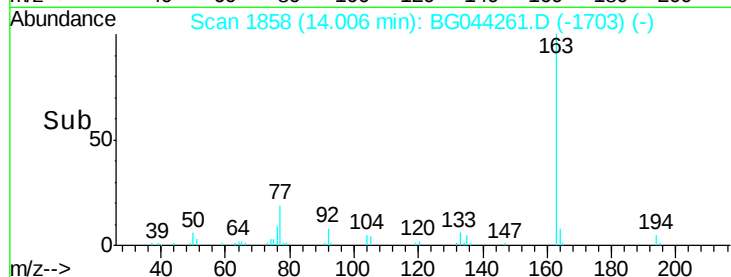
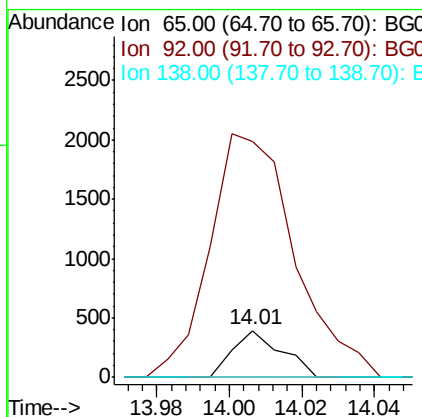
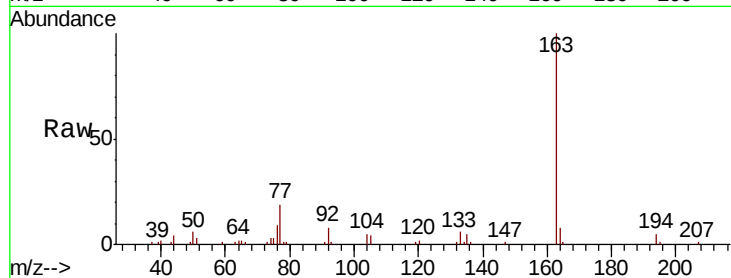




#48
2-Nitroaniline
Concen: 0.089 ng
RT: 14.01 min Scan# 1858
Delta R.T. 0.38 min
Lab File: BG044261.D
Acq: 31 Jan 2020 15:49

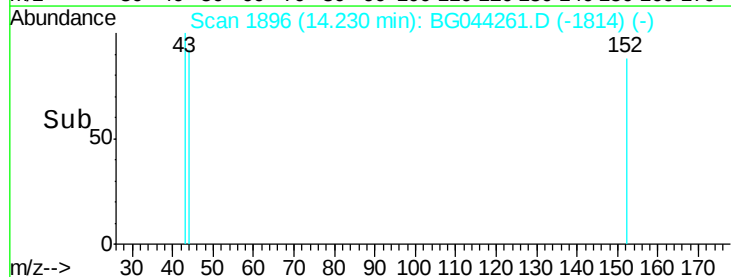
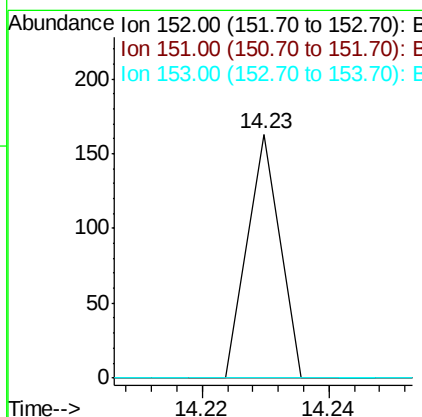
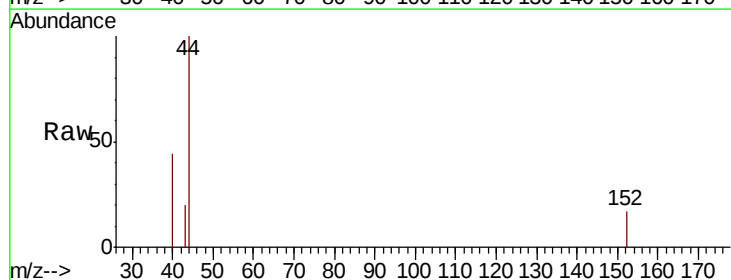
Instrument :
BNA_G
ClientSampleId :

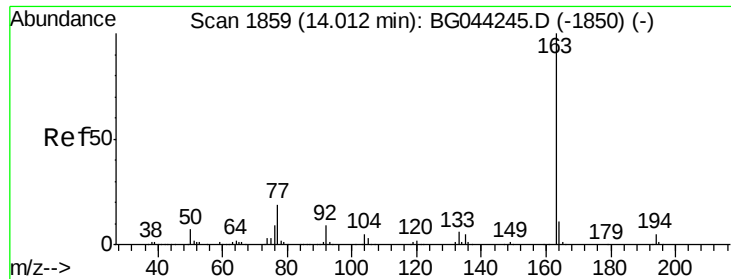
Tot Ion: 65 Resp: 365
Ion Ratio Lower Upper
65 100
92 504.3 60.3 90.5#
138 0.0 91.9 137.9#



#49
Acenaphthylene
Concen: 0.003 ng
RT: 14.23 min Scan# 1896
Delta R.T. -0.05 min
Lab File: BG044261.D
Acq: 31 Jan 2020 15:49

Tgt Ion: 152 Resp: 57
Ion Ratio Lower Upper
152 100
151 0.0 18.1 27.1#
153 0.0 11.5 17.3#

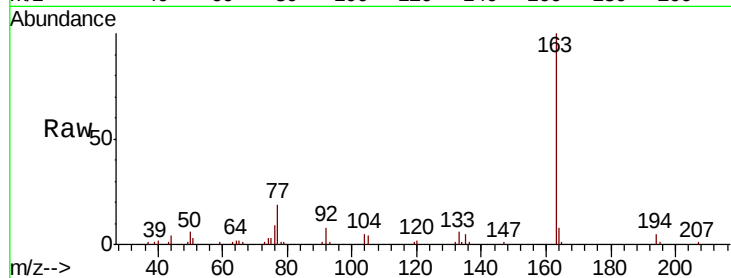




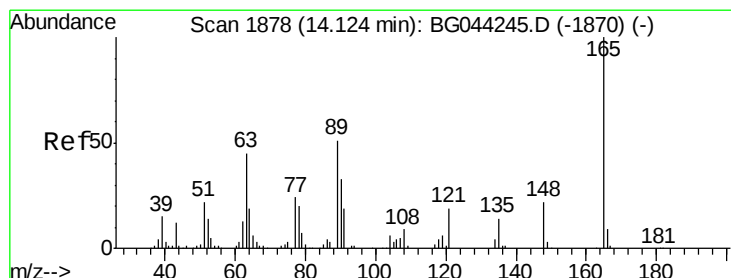
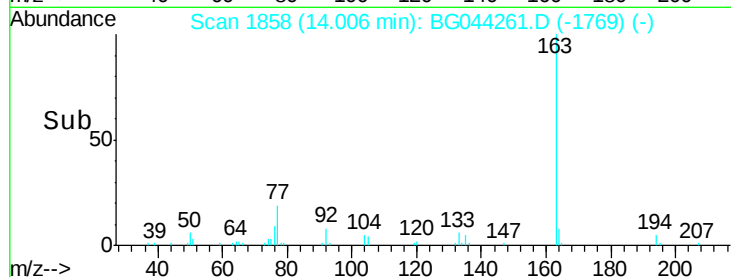
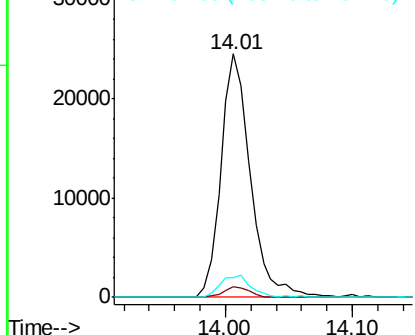
#50
Dimethylphthalate
Concen: 2.258 ng
RT: 14.01 min Scan# 1858
Delta R.T. -0.01 min
Lab File: BG044261.D
Acq: 31 Jan 2020 15:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion:163 Resp: 39428
Ion Ratio Lower Upper
163 100
194 4.6 3.6 5.4
164 8.1 8.7 13.1#

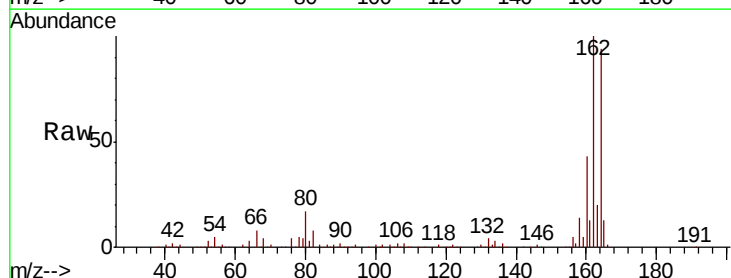


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

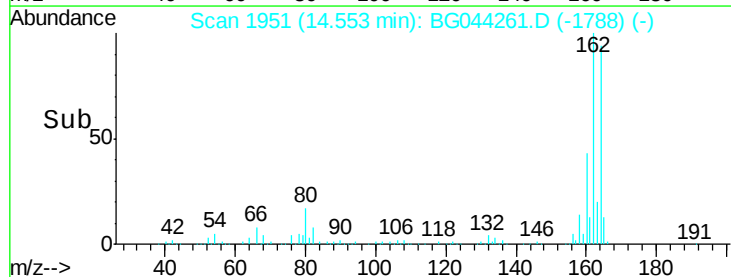
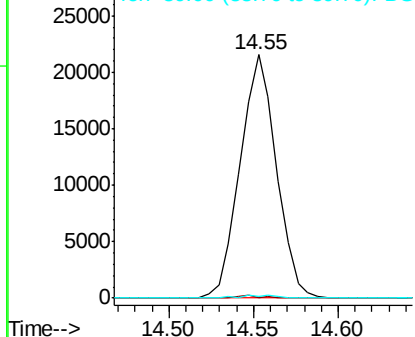


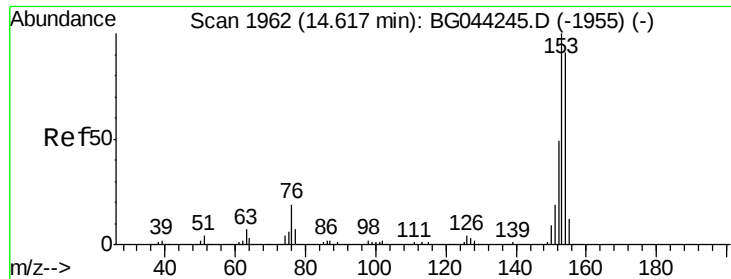
#51
2,6-Dinitrotoluene
Concen: 8.261 ng
RT: 14.55 min Scan# 1951
Delta R.T. 0.43 min
Lab File: BG044261.D
Acq: 31 Jan 2020 15:49

Tgt Ion:165 Resp: 32164
Ion Ratio Lower Upper
165 100
63 0.0 38.7 58.1#
89 0.8 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: 0.066 ng

RT: 14.55 min Scan# 1951

Delta R.T. -0.06 min

Lab File: BG044261.D

Acq: 31 Jan 2020 15:49

Instrument :

BNA_G

ClientSampleId :

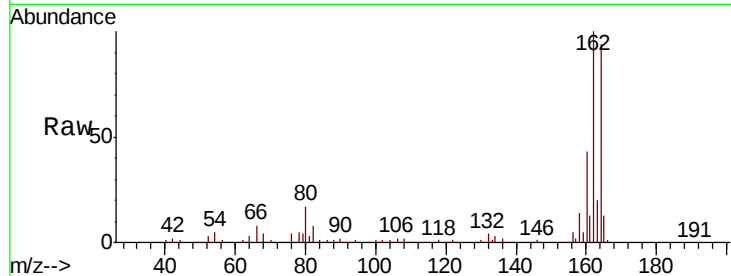
Tot Ion:154 Resp: 879

Ion Ratio Lower Upper

154 100

153 0.0 87.9 131.9#

152 0.0 43.1 64.7#

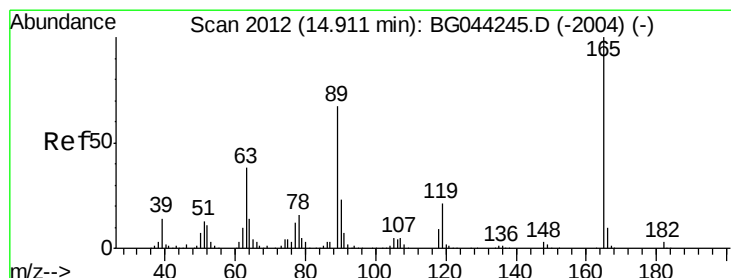
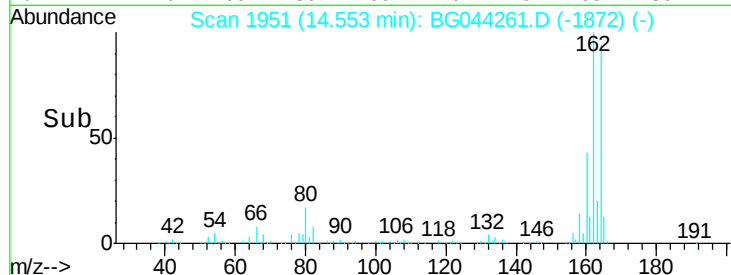
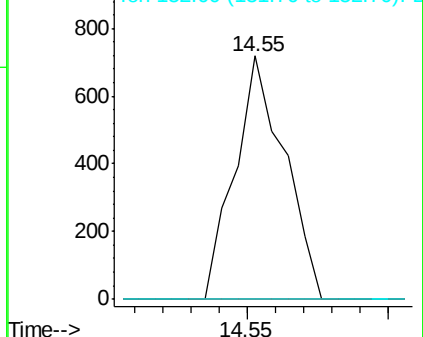


Abundance

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: 5.894 ng

RT: 14.55 min Scan# 1951

Delta R.T. -0.36 min

Lab File: BG044261.D

Acq: 31 Jan 2020 15:49

Tgt Ion:165 Resp: 32164

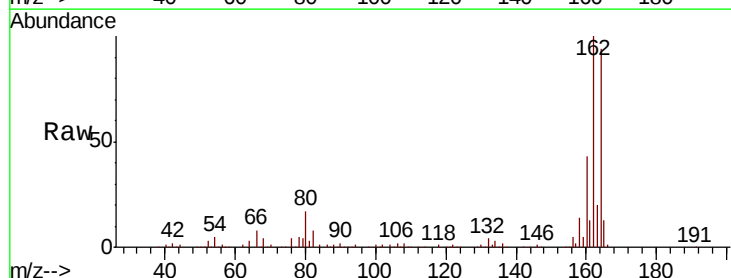
Ion Ratio Lower Upper

165 100

63 0.0 30.3 45.5#

89 0.8 53.4 80.2#

182 0.0 2.1 3.1#



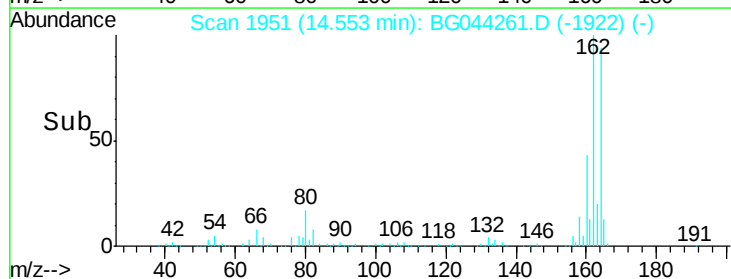
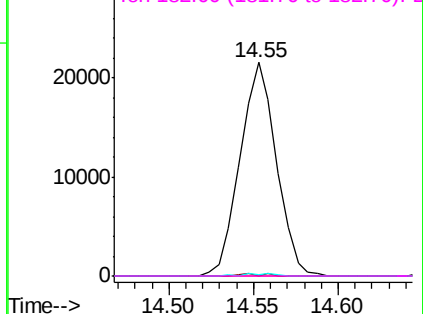
Abundance

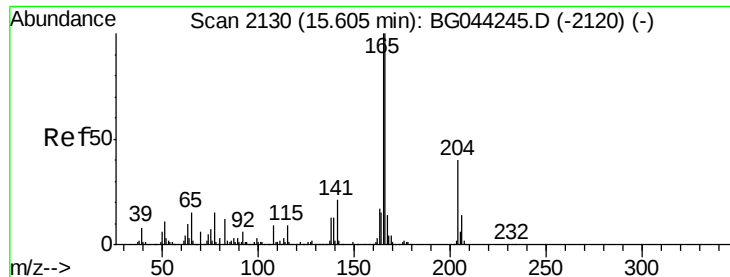
Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

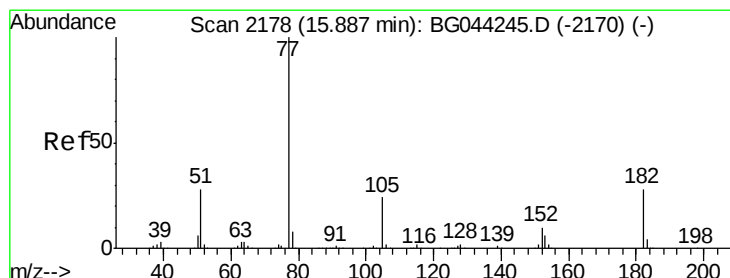
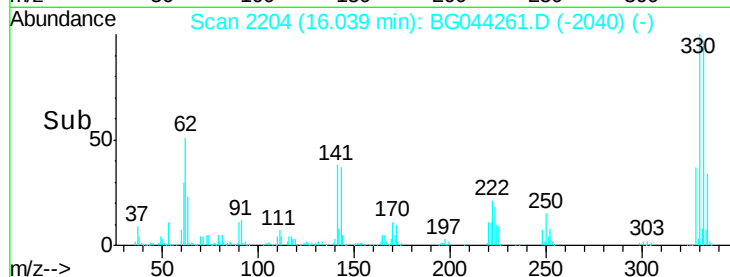
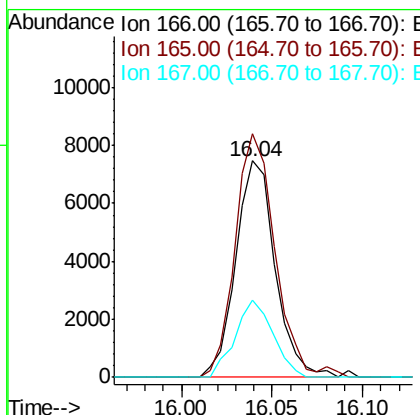
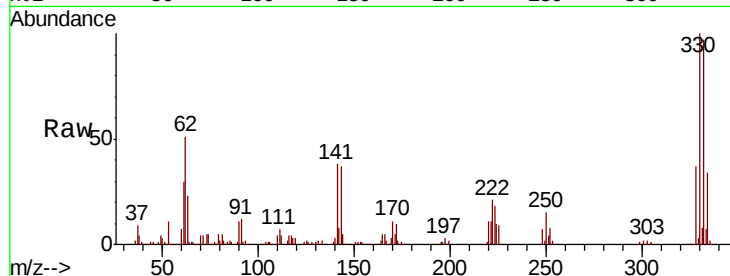




#58
 Fluorene
 Concen: 0.715 ng
 RT: 16.04 min Scan# 2204
 Delta R.T. 0.43 min
 Lab File: BG044261.D
 Acq: 31 Jan 2020 15:49

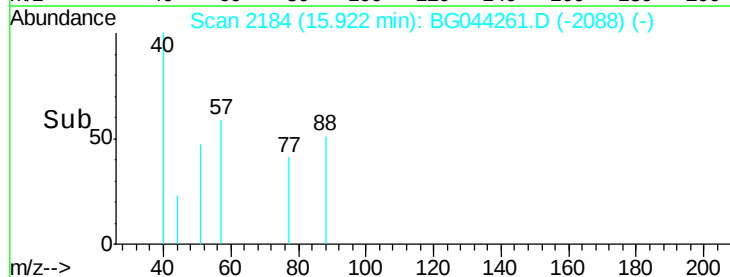
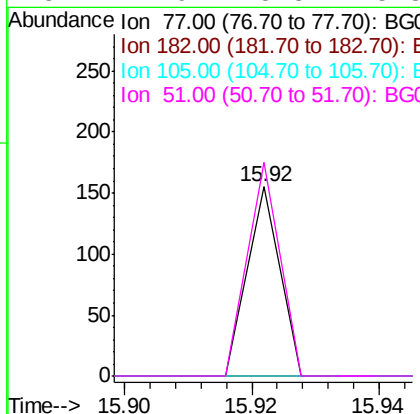
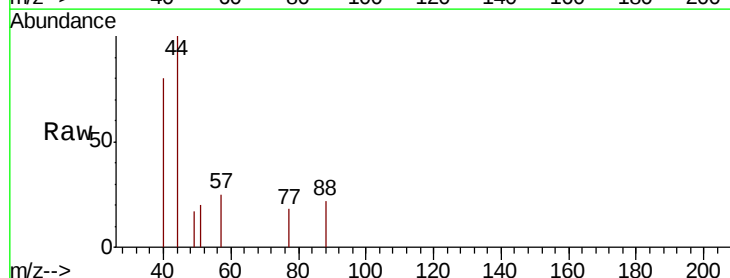
Instrument :
 BNA_G
 ClientSampled :

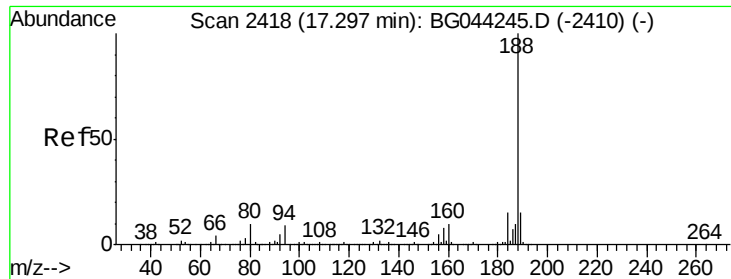
Tot Ion:166 Resp: 11307
 Ion Ratio Lower Upper
 166 100
 165 112.4 79.9 119.9
 167 35.6 11.4 17.0#



#63
 Azobenzene
 Concen: 0.004 ng
 RT: 15.92 min Scan# 2184
 Delta R.T. 0.04 min
 Lab File: BG044261.D
 Acq: 31 Jan 2020 15:49

Tgt Ion: 77 Resp: 55
 Ion Ratio Lower Upper
 77 100
 182 0.0 8.2 48.2#
 105 0.0 3.6 43.6#
 51 112.9 8.3 48.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.30 min Scan# 2418

Delta R.T. -0.00 min

Lab File: BG044261.D

Acq: 31 Jan 2020 15:49

Instrument :

BNA_G

ClientSampleId :

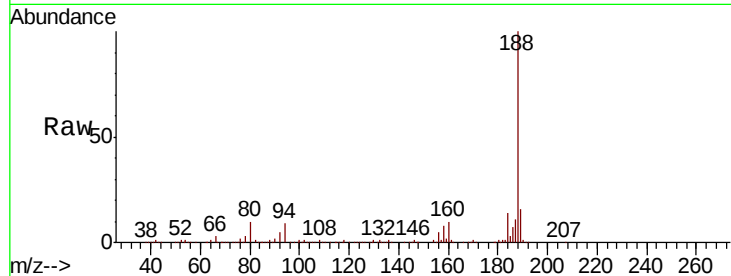
Tot Ion:188 Resp: 529449

Ion Ratio Lower Upper

188 100

94 9.2 7.4 11.2

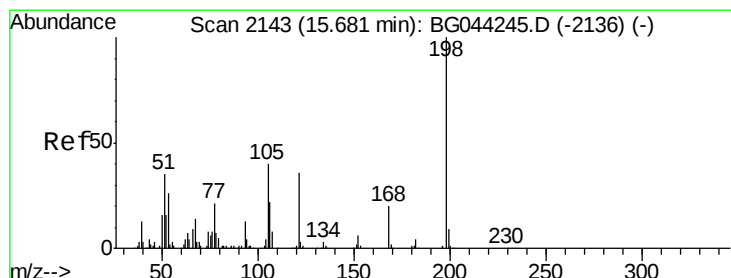
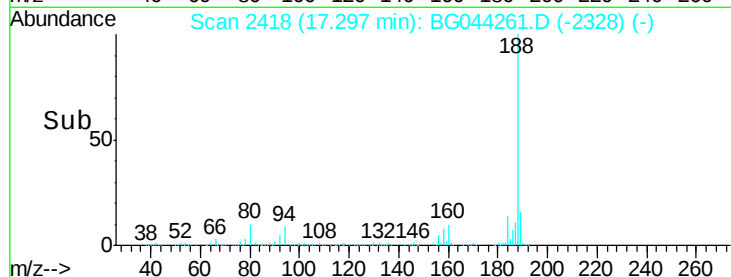
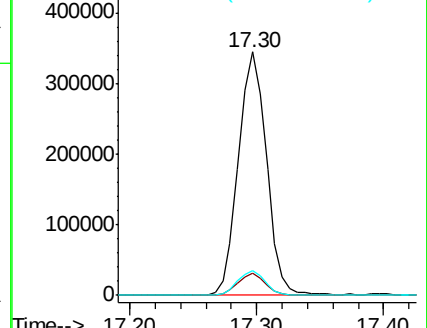
80 9.9 7.7 11.5



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: 0.232 ng

RT: 16.04 min Scan# 2204

Delta R.T. 0.36 min

Lab File: BG044261.D

Acq: 31 Jan 2020 15:49

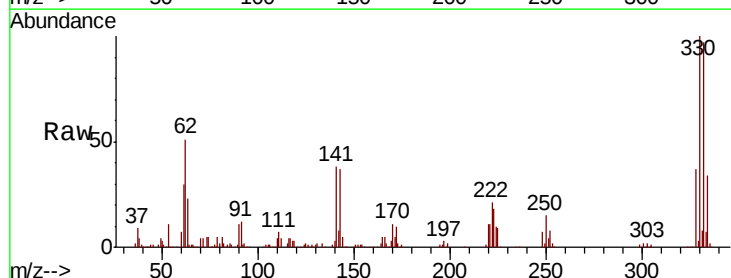
Tgt Ion:198 Resp: 678

Ion Ratio Lower Upper

198 100

51 171.6 16.6 56.6#

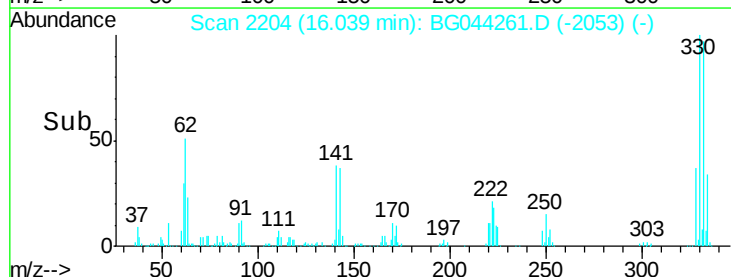
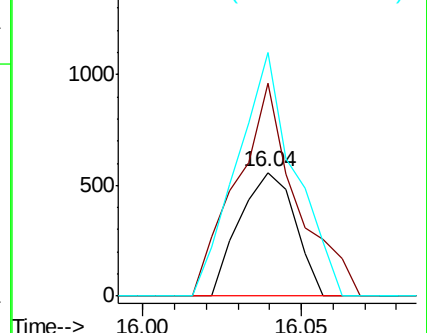
105 196.6 20.6 60.6#

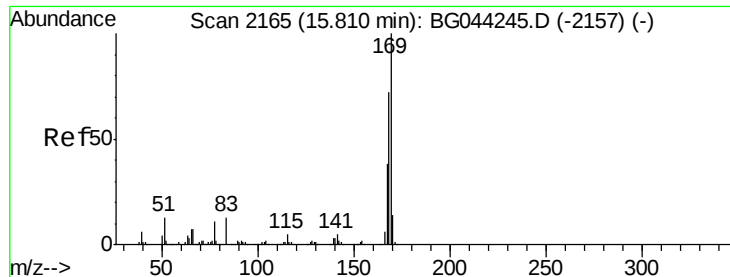


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

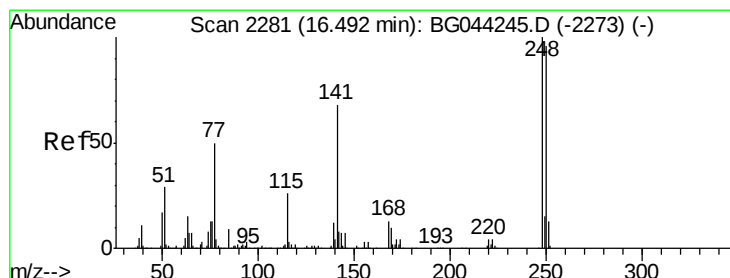
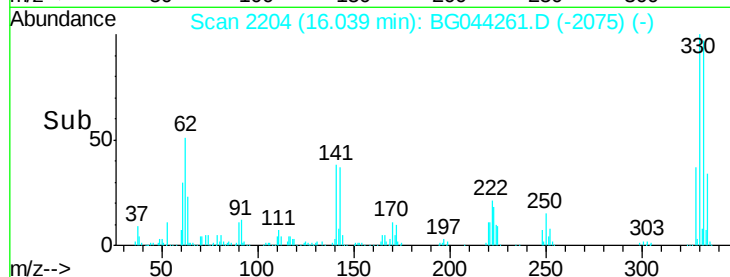
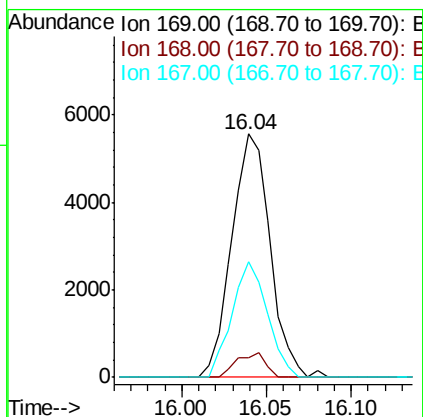
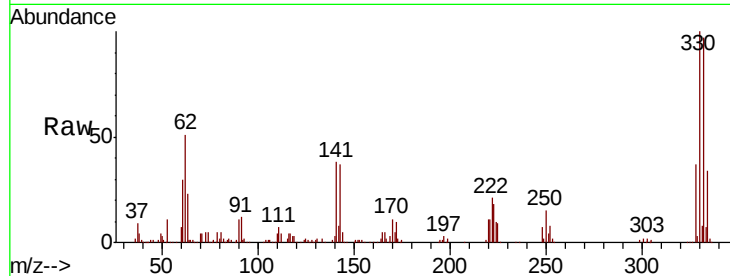




#66
 n-Nitrosodiphenylamine
 Concen: 0.593 ng
 RT: 16.04 min Scan# 2204
 Delta R.T. 0.23 min
 Lab File: BG044261.D
 Acq: 31 Jan 2020 15:49

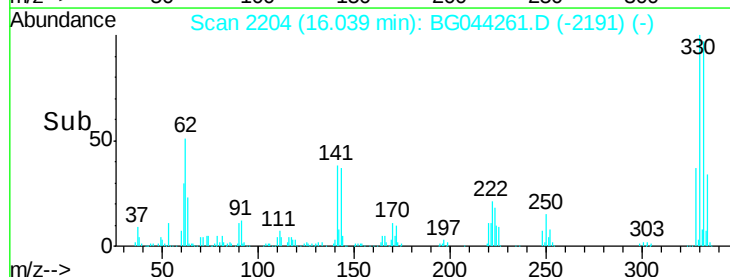
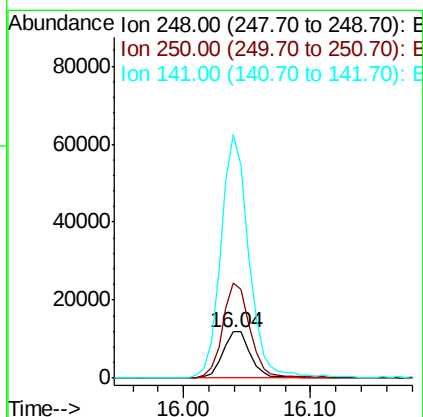
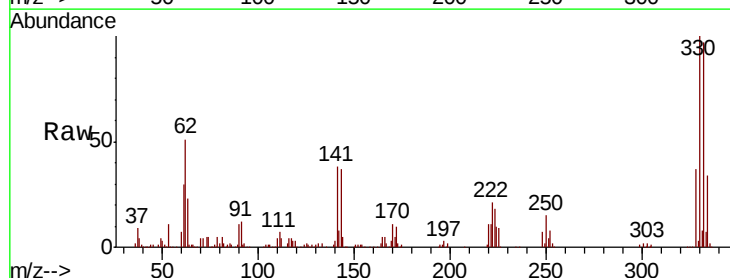
Instrument :
 BNA_G
 ClientSampleId :

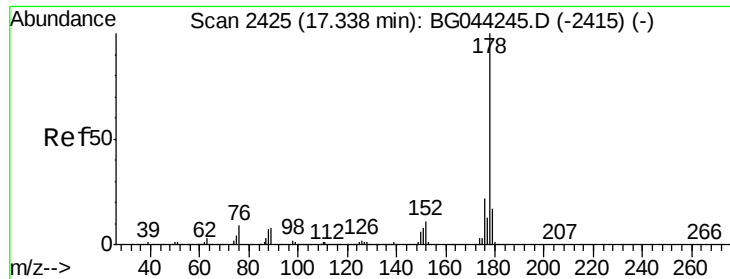
Tot Ion:169 Resp: 8801
 Ion Ratio Lower Upper
 169 100
 168 8.3 57.9 86.9#
 167 47.7 30.7 46.1#



#67
 4-Bromophenyl-phenylether
 Concen: 3.203 ng
 RT: 16.04 min Scan# 2204
 Delta R.T. -0.45 min
 Lab File: BG044261.D
 Acq: 31 Jan 2020 15:49

Tgt Ion:248 Resp: 18476
 Ion Ratio Lower Upper
 248 100
 250 205.4 76.6 114.8#
 141 526.3 54.7 82.1#

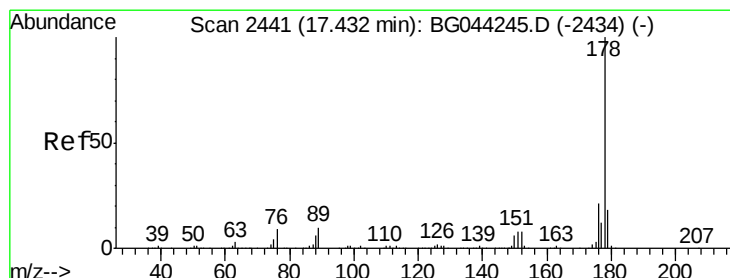
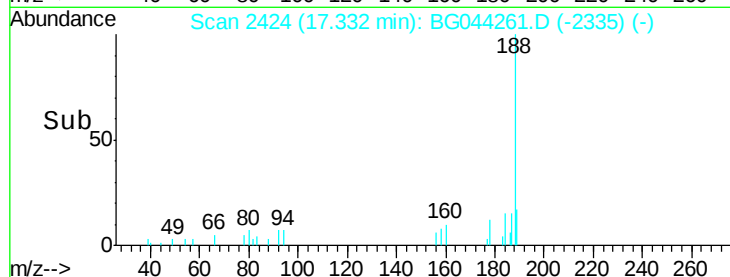
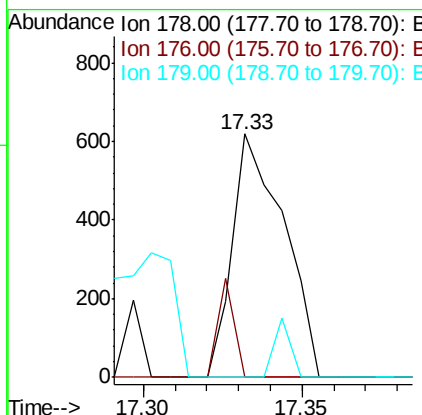
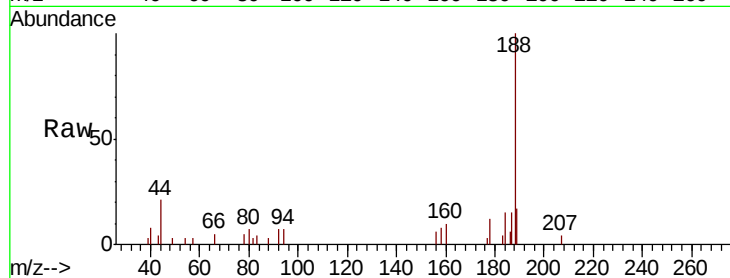




#71
Phenanthrene
Concen: 0.027 ng
RT: 17.33 min Scan# 2424
Delta R.T. -0.01 min
Lab File: BG044261.D
Acq: 31 Jan 2020 15:49

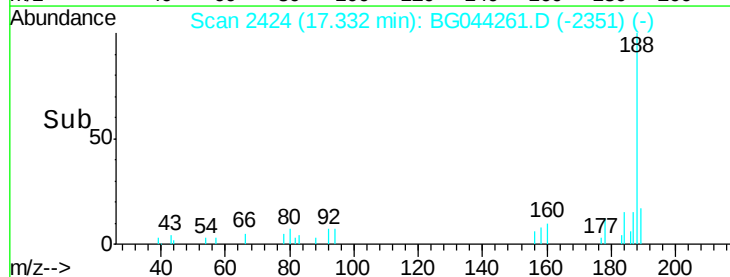
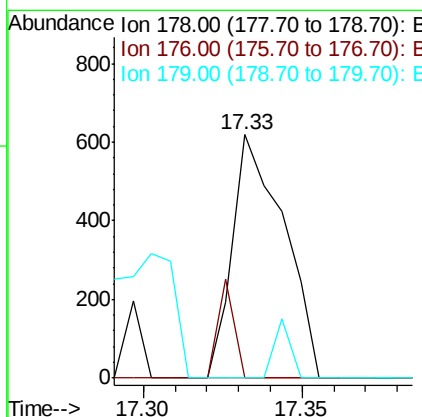
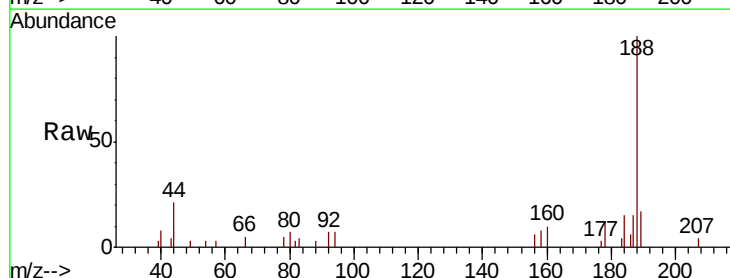
Instrument :
BNA_G
ClientSampled :

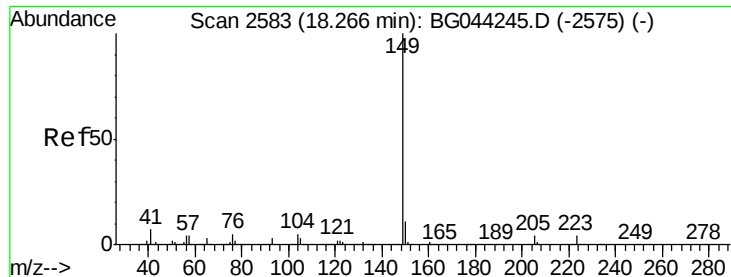
Tot Ion:178 Resp: 694
Ion Ratio Lower Upper
178 100
176 0.0 17.7 26.5#
179 0.0 13.7 20.5#



#72
Anthracene
Concen: 0.027 ng
RT: 17.33 min Scan# 2424
Delta R.T. -0.10 min
Lab File: BG044261.D
Acq: 31 Jan 2020 15:49

Tgt Ion:178 Resp: 694
Ion Ratio Lower Upper
178 100
176 0.0 17.0 25.4#
179 0.0 14.4 21.6#





#74

Di-n-butylphthalate

Concen: 0.029 ng

RT: 18.26 min Scan# 2582

Delta R.T. -0.01 min

Lab File: BG044261.D

Acq: 31 Jan 2020 15:49

Instrument :

BNA_G

ClientSampled :

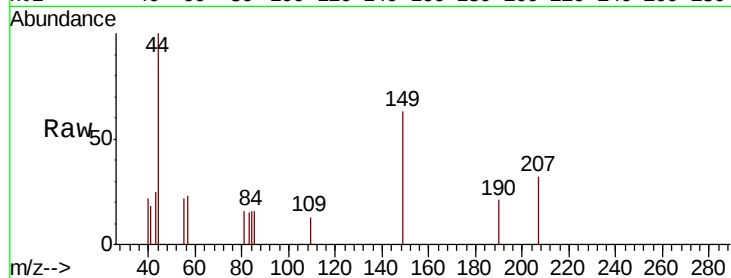
Tot Ion:149 Resp: 823

Ion Ratio Lower Upper

149 100

150 0.0 8.7 13.1#

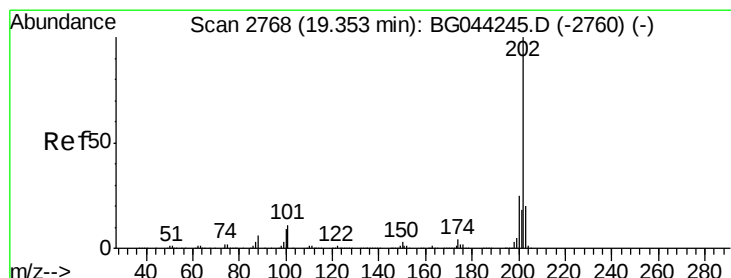
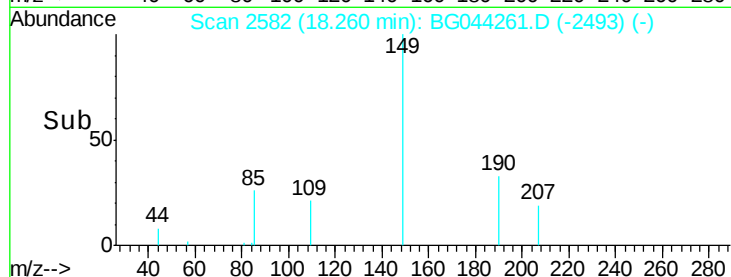
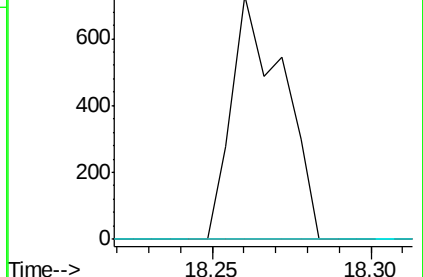
104 0.0 4.3 6.5#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Fluoranthene

Concen: 0.056 ng

RT: 19.35 min Scan# 2768

Delta R.T. -0.00 min

Lab File: BG044261.D

Acq: 31 Jan 2020 15:49

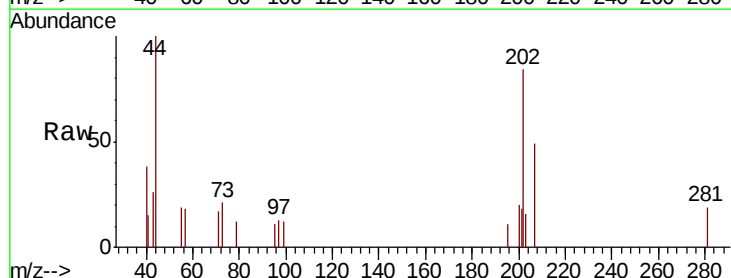
Tgt Ion:202 Resp: 1648

Ion Ratio Lower Upper

202 100

101 0.0 0.0 31.3

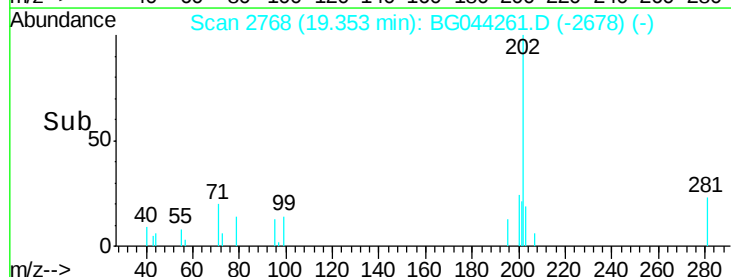
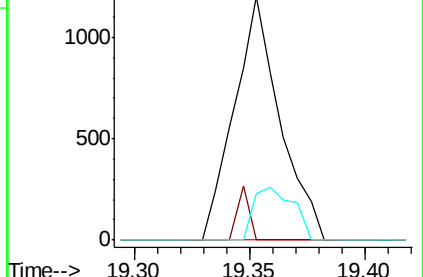
203 19.2 0.0 39.9

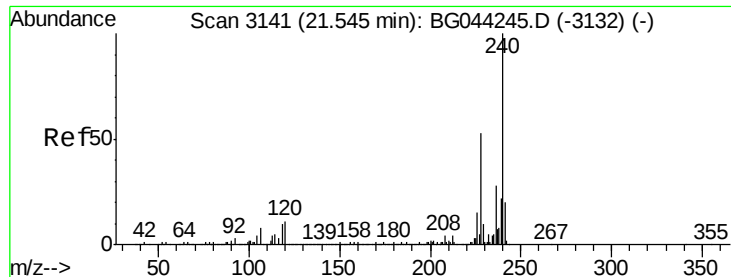


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

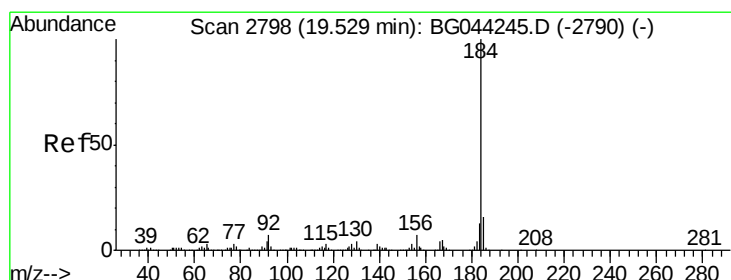
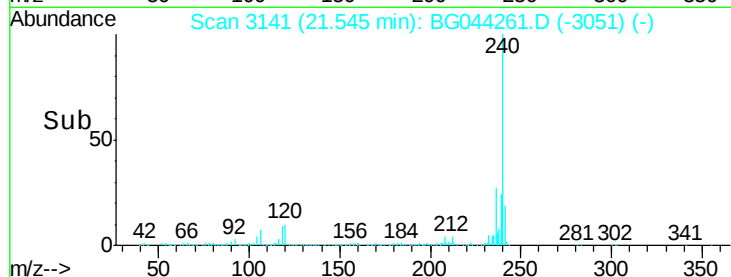
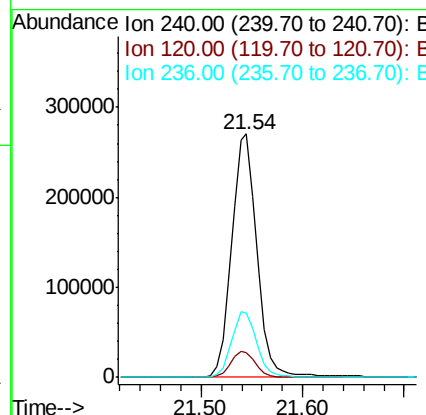
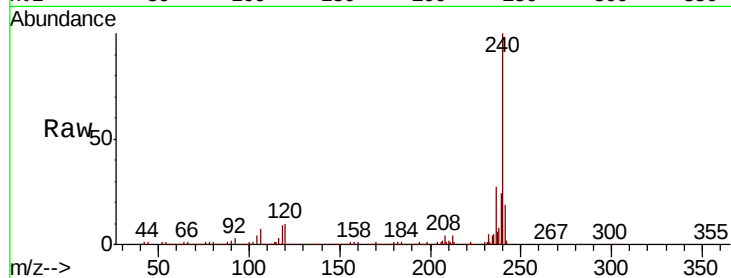




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.54 min Scan# 3141
Delta R.T. -0.00 min
Lab File: BG044261.D
Acq: 31 Jan 2020 15:49

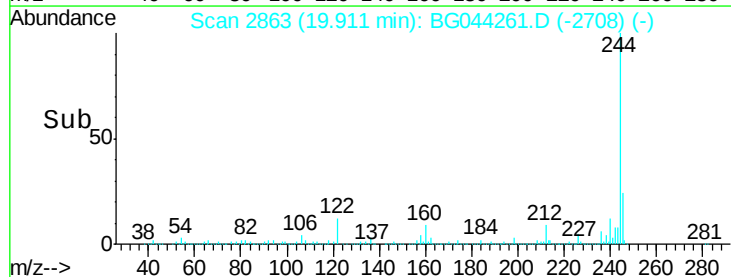
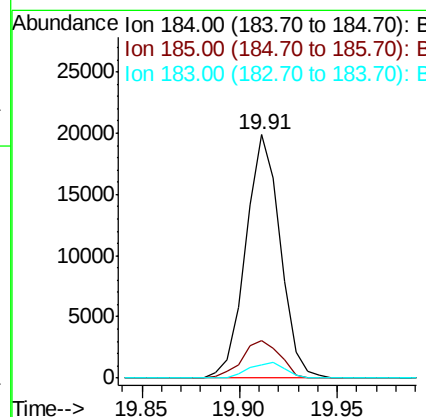
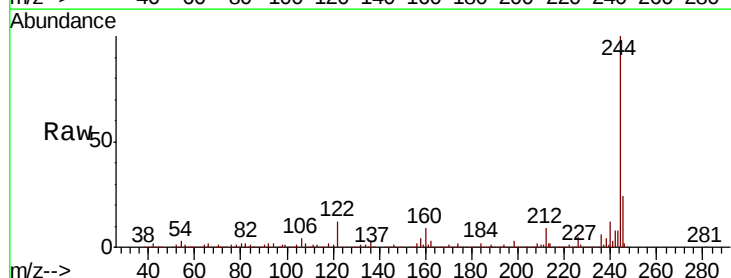
Instrument :
BNA_G
ClientSampleId :

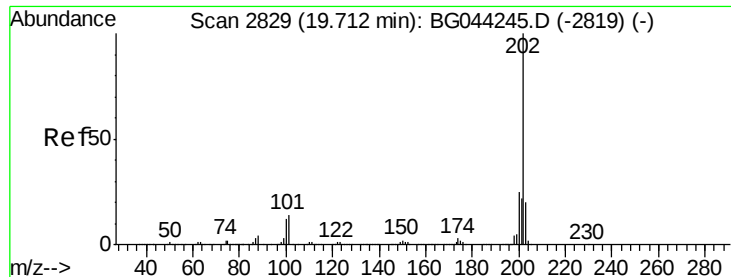
Tot Ion:240 Resp: 465903
Ion Ratio Lower Upper
240 100
120 10.1 8.4 12.6
236 26.6 22.1 33.1



#77
Benzidine
Concen: 1.880 ng
RT: 19.91 min Scan# 2863
Delta R.T. 0.38 min
Lab File: BG044261.D
Acq: 31 Jan 2020 15:49

Tgt Ion:184 Resp: 24291
Ion Ratio Lower Upper
184 100
185 15.7 12.9 19.3
183 5.6 10.8 16.2#





#78

Pvrene

Concen: 0.055 ng

RT: 19.35 min Scan# 2768

Delta R.T. -0.36 min

Lab File: BG044261.D

Acq: 31 Jan 2020 15:49

Instrument :

BNA_G

ClientSampleId :

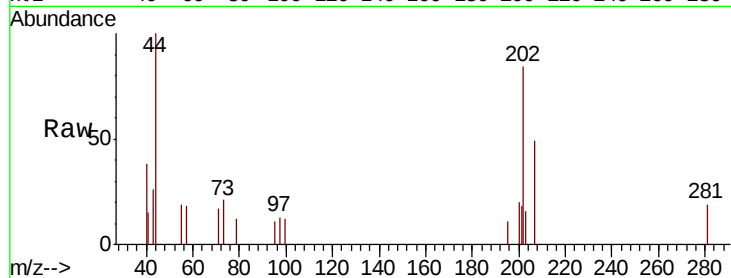
Tot Ion:202 Resp: 1648

Ion Ratio Lower Upper

202 100

200 23.7 20.0 30.0

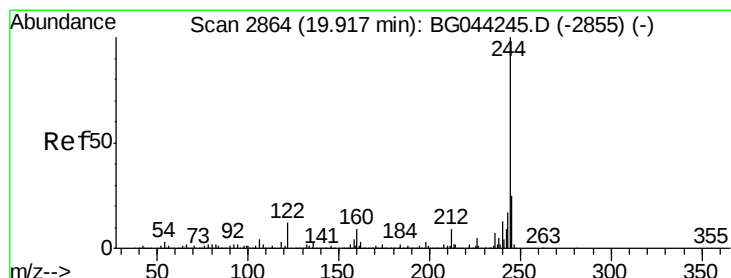
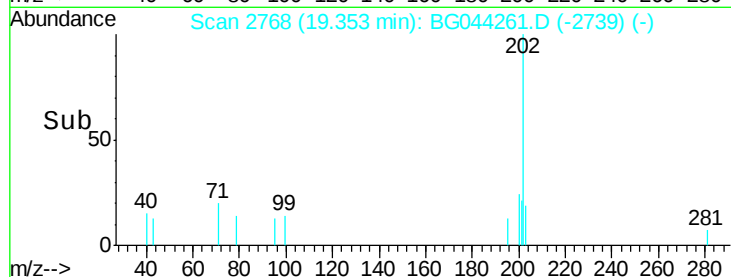
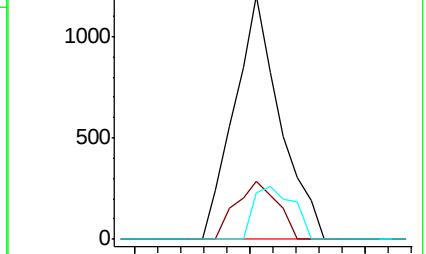
203 19.2 16.2 24.2



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: 68.300 ng

RT: 19.91 min Scan# 2863

Delta R.T. -0.01 min

Lab File: BG044261.D

Acq: 31 Jan 2020 15:49

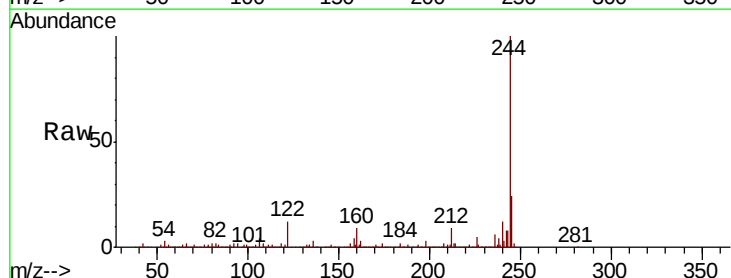
Tgt Ion:244 Resp: 1547059

Ion Ratio Lower Upper

244 100

212 8.6 7.4 11.2

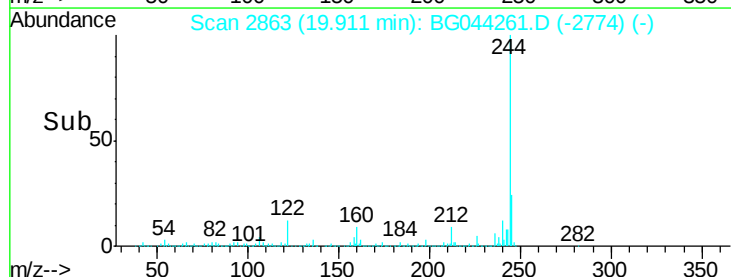
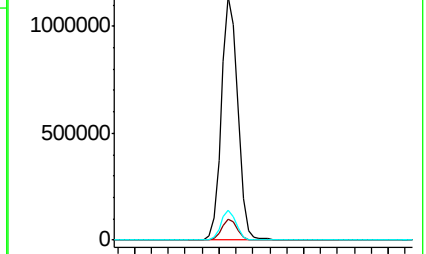
122 12.2 9.8 14.6

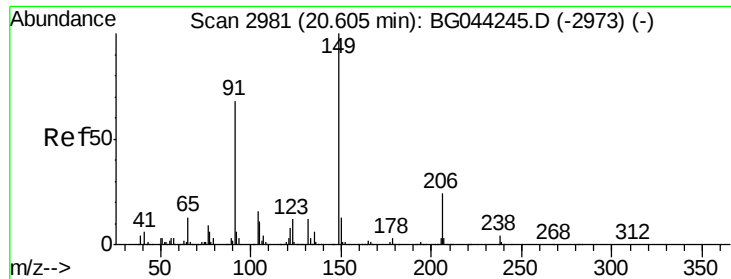


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

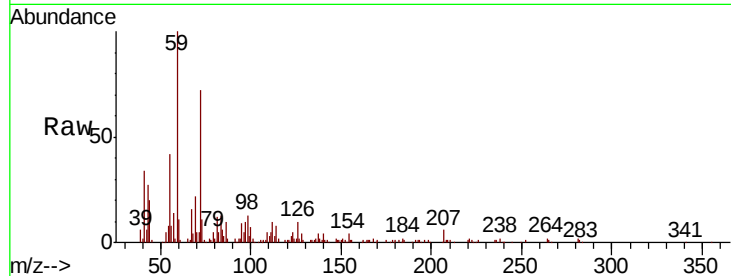




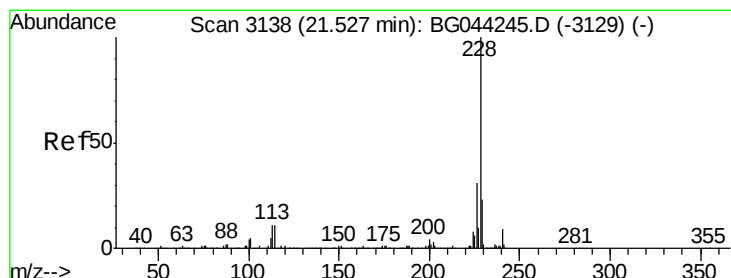
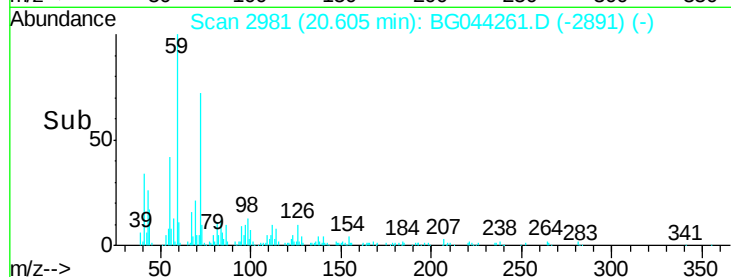
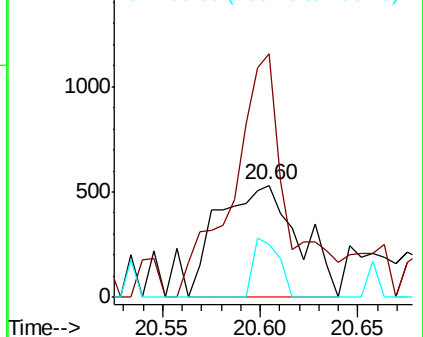
#80
Butylbenzylphthalate
Concen: 0.111 ng
RT: 20.60 min Scan# 2981
Delta R.T. -0.00 min
Lab File: BG044261.D
Acq: 31 Jan 2020 15:49

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
149	100		
91	216.9	54.5	81.7#
206	46.7	19.1	28.7#

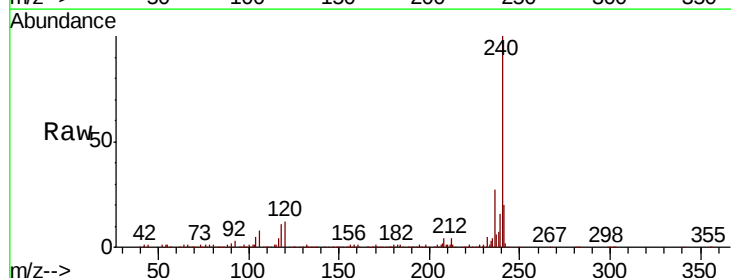


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BG
Ion 206.00 (205.70 to 206.70): E

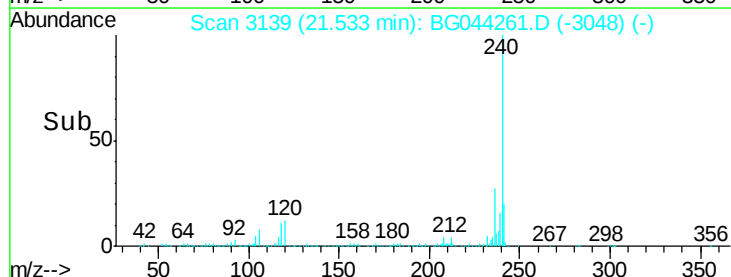
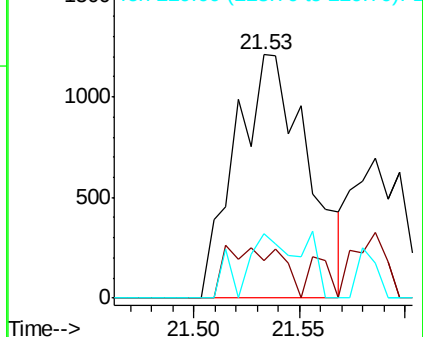


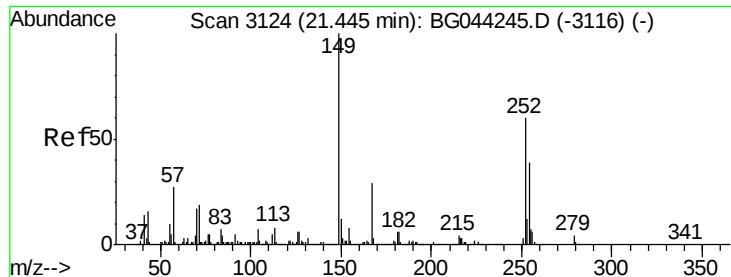
#81
Benzo(a)anthracene
Concen: 0.100 ng
RT: 21.53 min Scan# 3139
Delta R.T. 0.01 min
Lab File: BG044261.D
Acq: 31 Jan 2020 15:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	15.3	24.7	37.1#
229	26.6	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: 0.005 ng

RT: 21.50 min Scan# 3134

Delta R.T. 0.06 min

Lab File: BG044261.D

Acq: 31 Jan 2020 15:49

Instrument :

BNA_G

ClientSampleId :

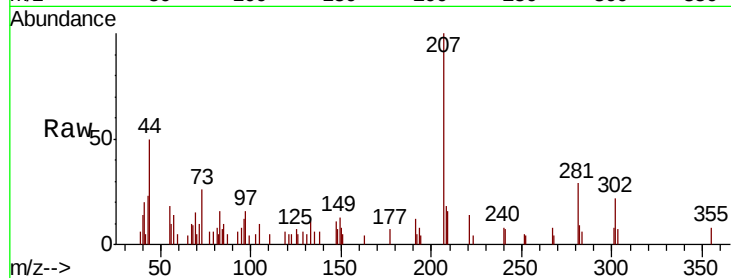
Tot Ion:252 Resp: 54

Ion Ratio Lower Upper

252 100

254 0.0 52.6 78.8#

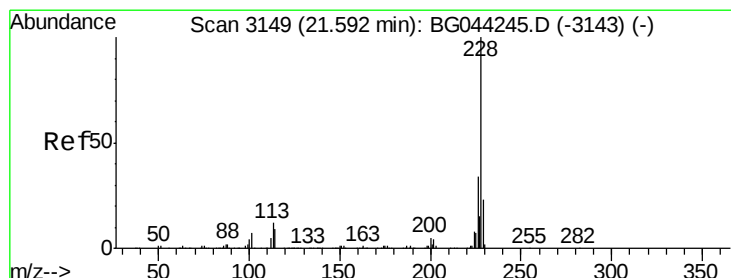
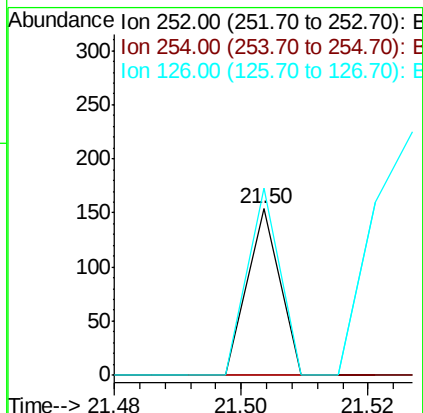
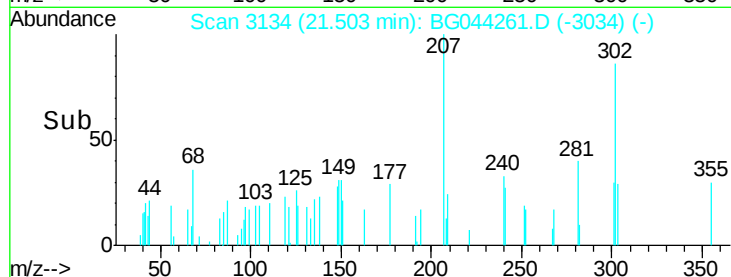
126 112.3 8.2 12.4#



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: 0.040 ng

RT: 21.59 min Scan# 3148

Delta R.T. -0.01 min

Lab File: BG044261.D

Acq: 31 Jan 2020 15:49

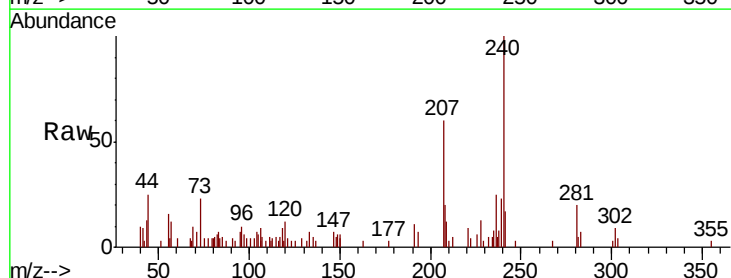
Tgt Ion:228 Resp: 1109

Ion Ratio Lower Upper

228 100

226 47.1 27.1 40.7#

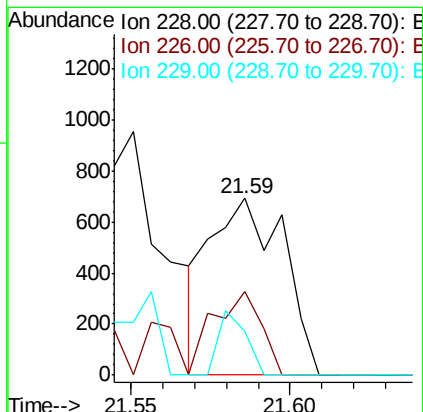
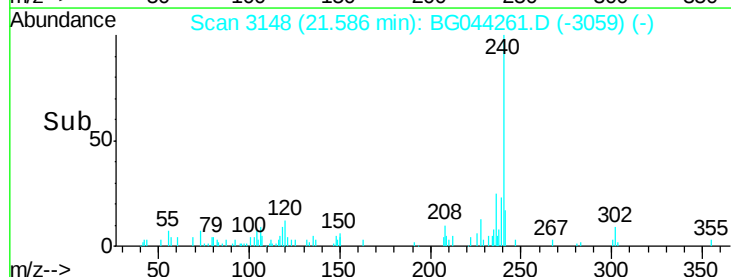
229 24.9 17.9 26.9

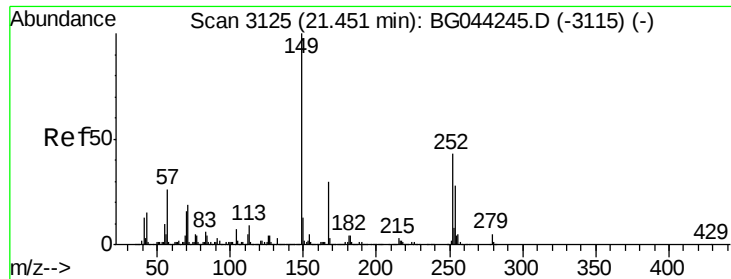


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.244 ng

RT: 21.44 min Scan# 3124

Delta R.T. -0.01 min

Lab File: BG044261.D

Acq: 31 Jan 2020 15:49

Instrument :

BNA_G

ClientSampleId :

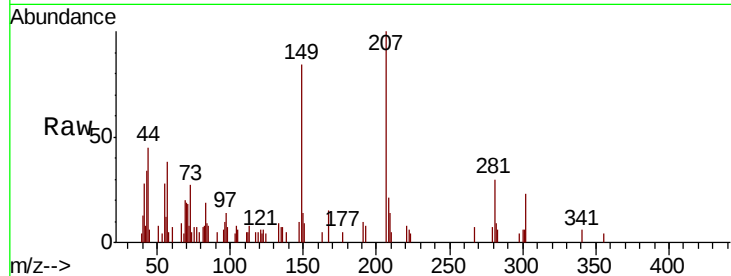
Tot Ion:149 Resp: 4583

Ion Ratio Lower Upper

149 100

167 17.7 24.0 36.0#

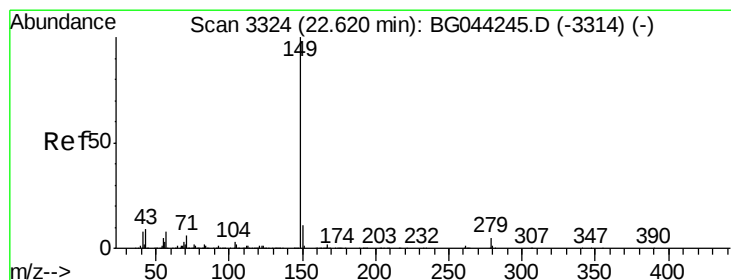
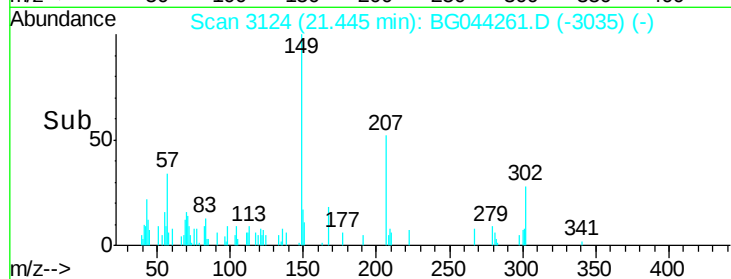
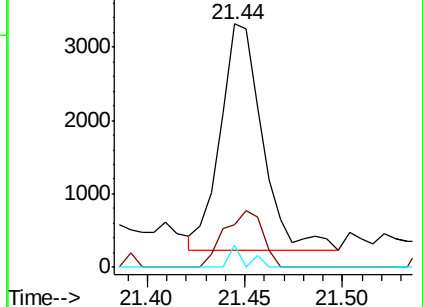
279 8.9 3.8 5.8#



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: 0.033 ng

RT: 22.61 min Scan# 3323

Delta R.T. -0.01 min

Lab File: BG044261.D

Acq: 31 Jan 2020 15:49

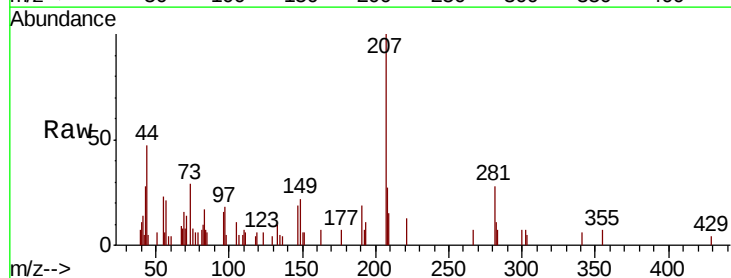
Tgt Ion:149 Resp: 1078

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

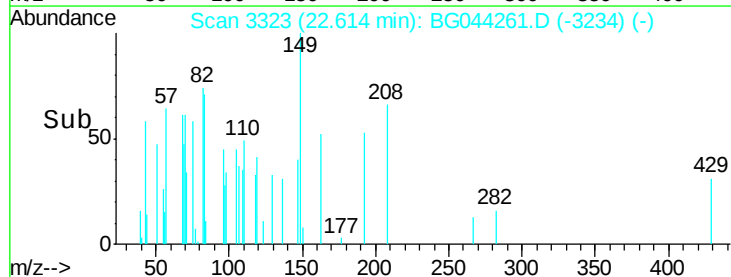
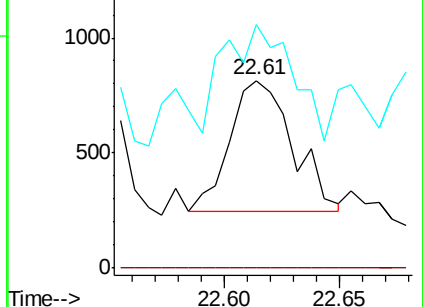
43 95.4 7.4 11.0#

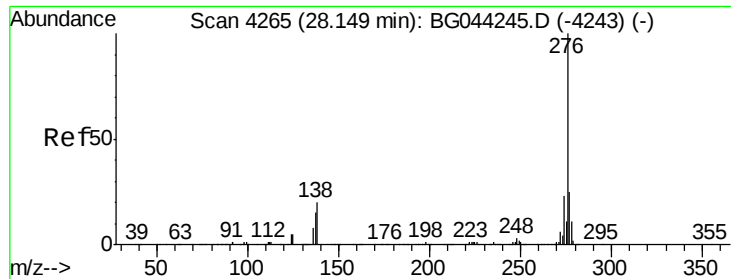


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC





#86

Indeno(1,2,3-cd)pyrene

Concen: 0.009 ng

RT: 28.15 min Scan# 4265

Delta R.T. -0.00 min

Lab File: BG044261.D

Acq: 31 Jan 2020 15:49

Instrument :

BNA_G

ClientSampled :

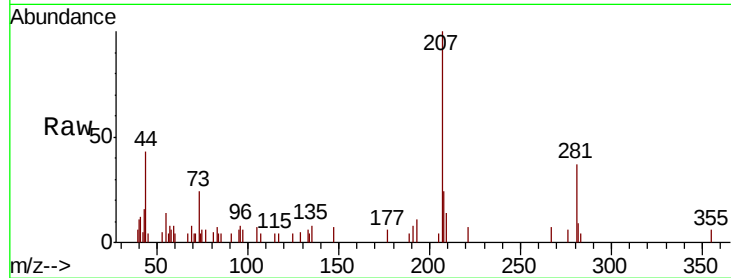
Tot Ion:276 Resp: 341

Ion Ratio Lower Upper

276 100

138 20.8 19.4 29.0

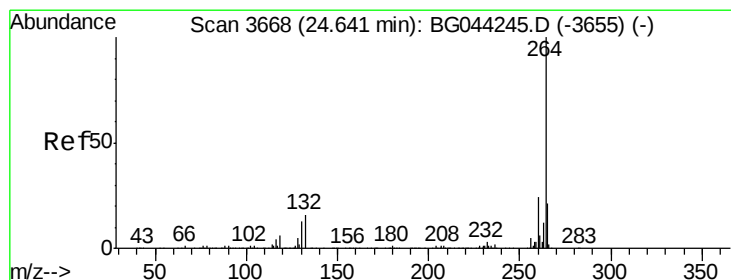
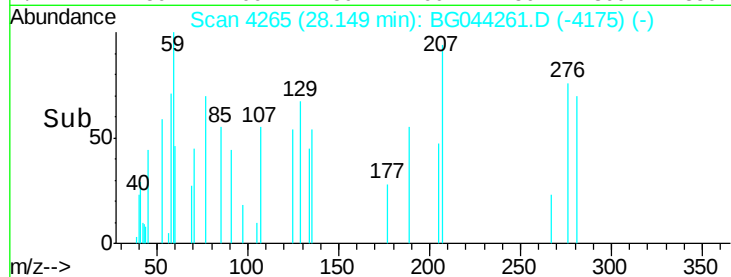
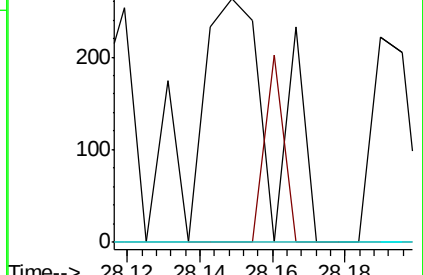
277 0.0 21.0 31.6#



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

Perylene-d12

Concen: 20.000 ng

RT: 24.64 min Scan# 3668

Delta R.T. -0.00 min

Lab File: BG044261.D

Acq: 31 Jan 2020 15:49

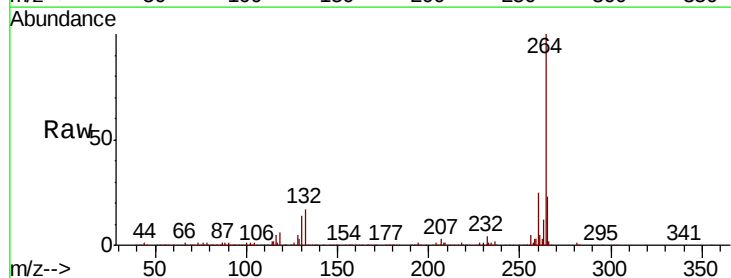
Tgt Ion:264 Resp: 517840

Ion Ratio Lower Upper

264 100

260 24.8 19.4 29.2

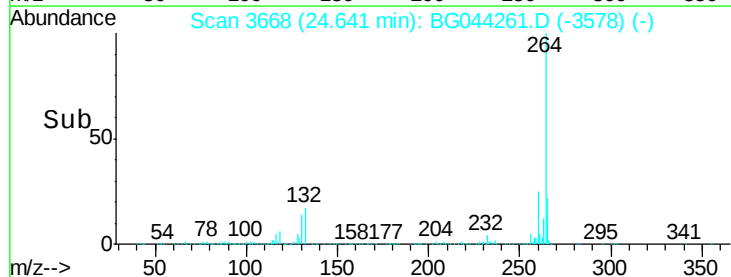
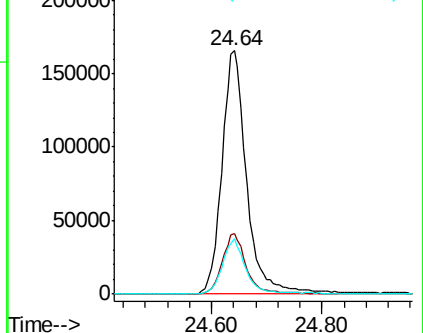
265 22.6 16.7 25.1

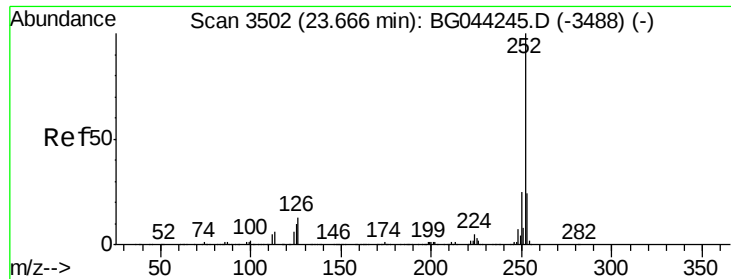


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

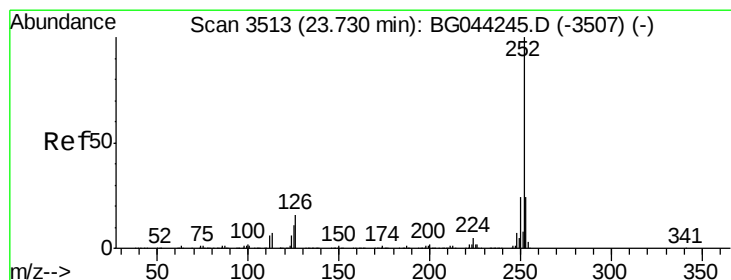
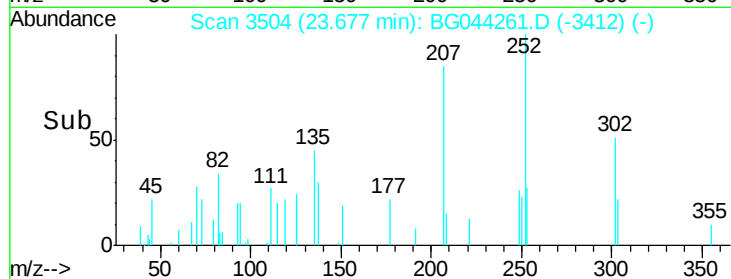
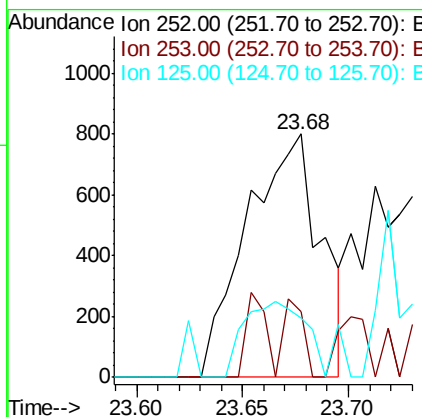
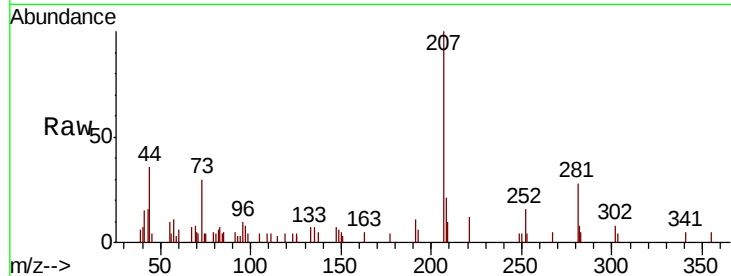




#88
Benzo(b)fluoranthene
Concen: 0.065 ng
RT: 23.68 min Scan# 3504
Delta R.T. 0.01 min
Lab File: BG044261.D
Acq: 31 Jan 2020 15:49

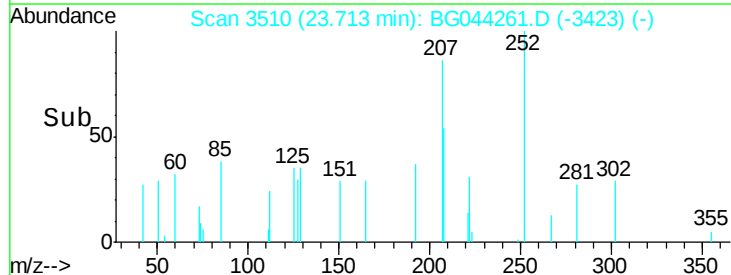
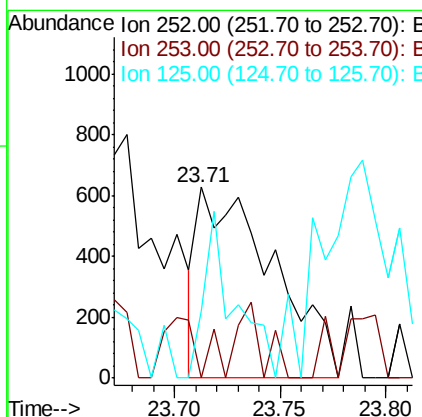
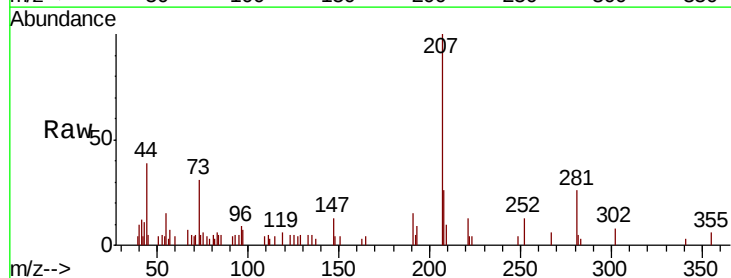
Instrument :
BNA_G
ClientSampled :

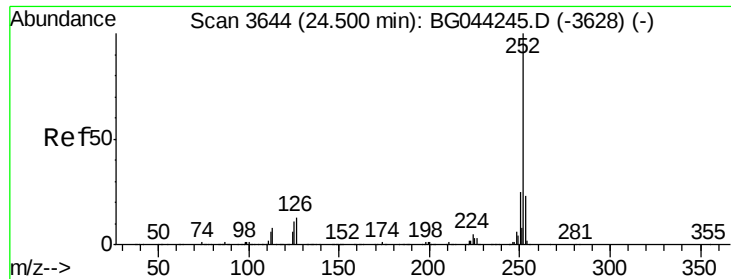
Tot Ion:252 Resp: 1941
Ion Ratio Lower Upper
252 100
253 26.9 19.2 28.8
125 45.5 8.4 12.6#



#89
Benzo(k)fluoranthene
Concen: 0.053 ng
RT: 23.71 min Scan# 3510
Delta R.T. -0.02 min
Lab File: BG044261.D
Acq: 31 Jan 2020 15:49

Tgt Ion:252 Resp: 1539
Ion Ratio Lower Upper
252 100
253 0.0 19.1 28.7#
125 34.8 8.6 12.8#





#90

Benzo(a)pyrene

Concen: 0.018 ng

RT: 24.48 min Scan# 3641

Delta R.T. -0.02 min

Lab File: BG044261.D

Acq: 31 Jan 2020 15:49

Instrument :

BNA_G

ClientSampleId :

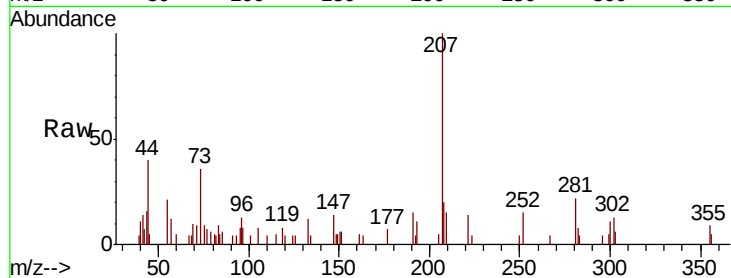
Tot Ion:252 Resp: 508

Ion Ratio Lower Upper

252 100

253 0.0 18.1 27.1#

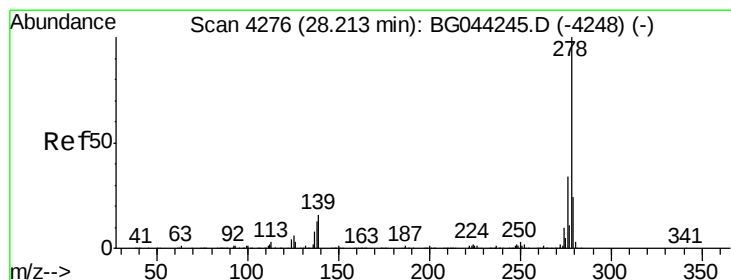
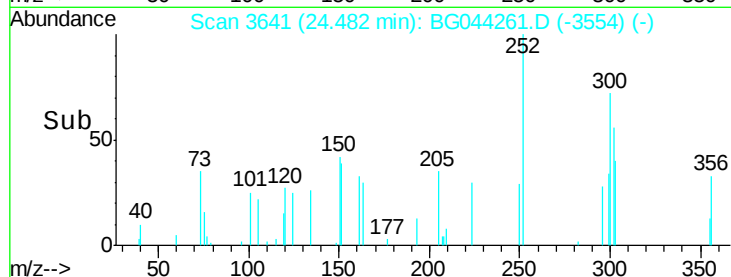
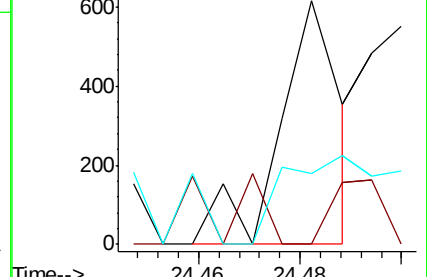
125 29.1 8.6 13.0#



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: 0.003 ng

RT: 28.24 min Scan# 4281

Delta R.T. 0.03 min

Lab File: BG044261.D

Acq: 31 Jan 2020 15:49

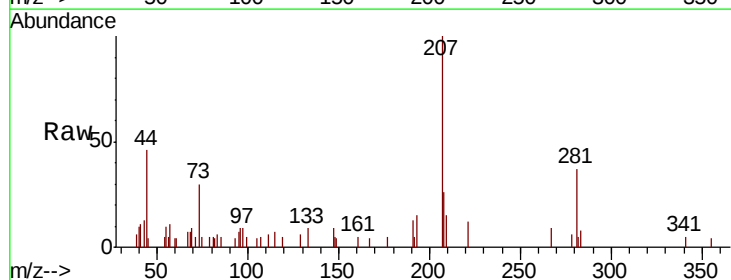
Tgt Ion:278 Resp: 88

Ion Ratio Lower Upper

278 100

139 0.0 12.7 19.1#

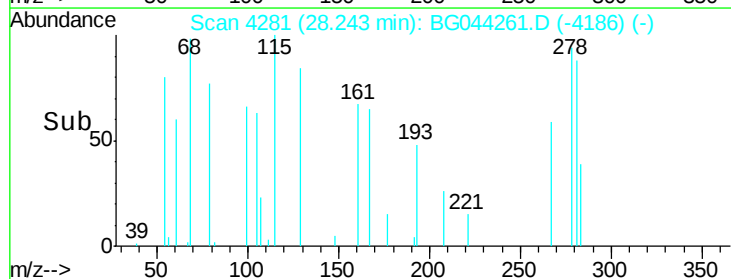
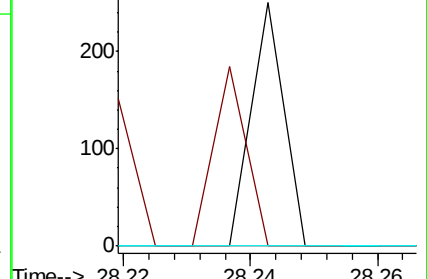
279 0.0 19.3 28.9#

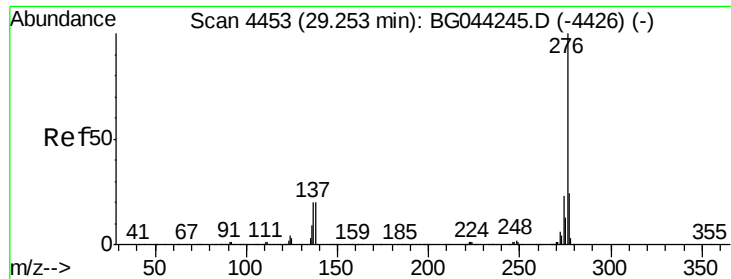


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

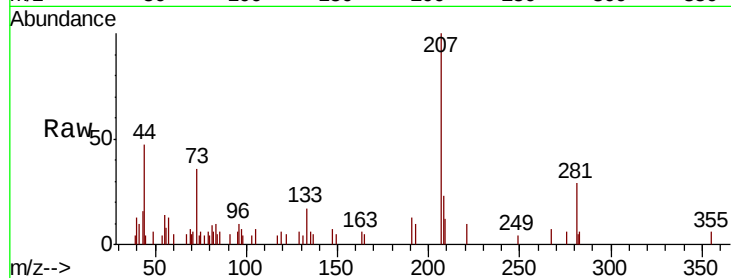




#92
 Benzo(a,h,i)perylene
 Concen: 0.009 ng
 RT: 29.26 min Scan# 4454
 Delta R.T. 0.01 min
 Lab File: BG044261.D
 Acq: 31 Jan 2020 15:49

Instrument :
 BNA_G
 ClientSampleId :

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



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

