

Data File : BG044081.D
Acq On : 17 Jan 2020 19:18
Operator : JU
Sample : PB126154BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB126154BL

Quant Time: Jan 18 03:11:44 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 31 13:32:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	69490	20.00	ng	-0.04
21) Naphthalene-d8	10.74	136	299391	20.00	ng	-0.03
39) Acenaphthene-d10	14.57	164	218281	20.00	ng	-0.03
64) Phenanthrene-d10	17.31	188	476790	20.00	ng	-0.02
76) Chrysene-d12	21.56	240	401841	20.00	ng	-0.03
87) Perylene-d12	24.67	264	444604	20.00	ng	-0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	353562	93.42	ng	-0.03
7) Phenol-d6	7.10	99	304630	57.58	ng	-0.02
23) Nitrobenzene-d5	9.09	82	541919	96.83	ng	-0.04
42) 2,4,6-Tribromophenol	16.06	330	406457	177.94	ng	-0.02
45) 2-Fluorobiphenyl	13.19	172	1250333	103.78	ng	-0.03
79) Terphenyl-d14	19.93	244	1899741	129.68	ng	-0.03

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.46	88	226	0.137	ng	# 72
3) Pyridine	3.80	79	56	0.011	ng	# 1
4) n-Nitrosodimethylamine	3.72	42	138	0.064	ng	# 1
6) Aniline	7.25	93	53	0.008	ng	# 43
9) Benzaldehyde	7.07	77	486	0.144	ng	# 70
10) Phenol	7.46	94	1506	0.276	ng	# 1
11) bis(2-Chloroethyl)ether	7.25	93	53	0.011	ng	# 21
12) 1,3-Dichlorobenzene	8.25	146	54	0.010	ng	# 1
13) 1,4-Dichlorobenzene	8.25	146	54	0.011	ng	# 1
14) 1,2-Dichlorobenzene	8.25	146	54	0.011	ng	# 1
15) Benzyl Alcohol	8.25	79	8343	1.998	ng	# 49
19) n-Nitroso-di-n-propylamine	9.09	70	70406	17.871	ng	# 77
22) Acetophenone	8.75	105	4457	0.599	ng	# 92
24) Nitrobenzene	9.09	77	1778	0.321	ng	# 43
25) Isophorone	9.66	82	265	0.025	ng	# 65
31) Naphthalene	10.78	128	68	0.005	ng	# 66
37) 2-Methylnaphthalene	12.39	142	55	0.005	ng	# 12
38) 1-Methylnaphthalene	12.39	142	55	0.005	ng	# 6
46) 1,1'-Biphenyl	13.41	154	2863	0.183	ng	# 93
48) 2-Nitroaniline	13.19	65	2007	0.493	ng	# 1
51) 2,6-Dinitrotoluene	14.57	165	27926	7.972	ng	# 26
52) Acenaphthene	14.56	154	935	0.073	ng	# 4
57) 2,4-Dinitrotoluene	14.57	165	27926	5.859	ng	# 26
58) Fluorene	16.05	166	18978	1.364	ng	# 89
60) Diethylphthalate	15.39	149	145	0.009	ng	# 56
63) Azobenzene	16.05	77	2370	0.165	ng	# 5
65) 4,6-Dinitro-2-methylphenol	16.05	198	1302	4.871	ng	# 1
66) n-Nitrosodiphenylamine	16.05	169	15290	1.089	ng	# 44
67) 4-Bromophenyl-phenylether	16.05	248	29160	5.438	ng	# 1
71) Phenanthrene	17.35	178	242	0.011	ng	# 55
72) Anthracene	17.35	178	242	0.011	ng	# 55
73) Carbazole	17.72	167	66	0.003	ng	# 54
74) Di-n-butylphthalate	18.28	149	2071	0.078	ng	# 91
75) Fluoranthene	19.37	202	673	0.026	ng	# 59

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG011720\
Quantitation Report (Not Reviewed)

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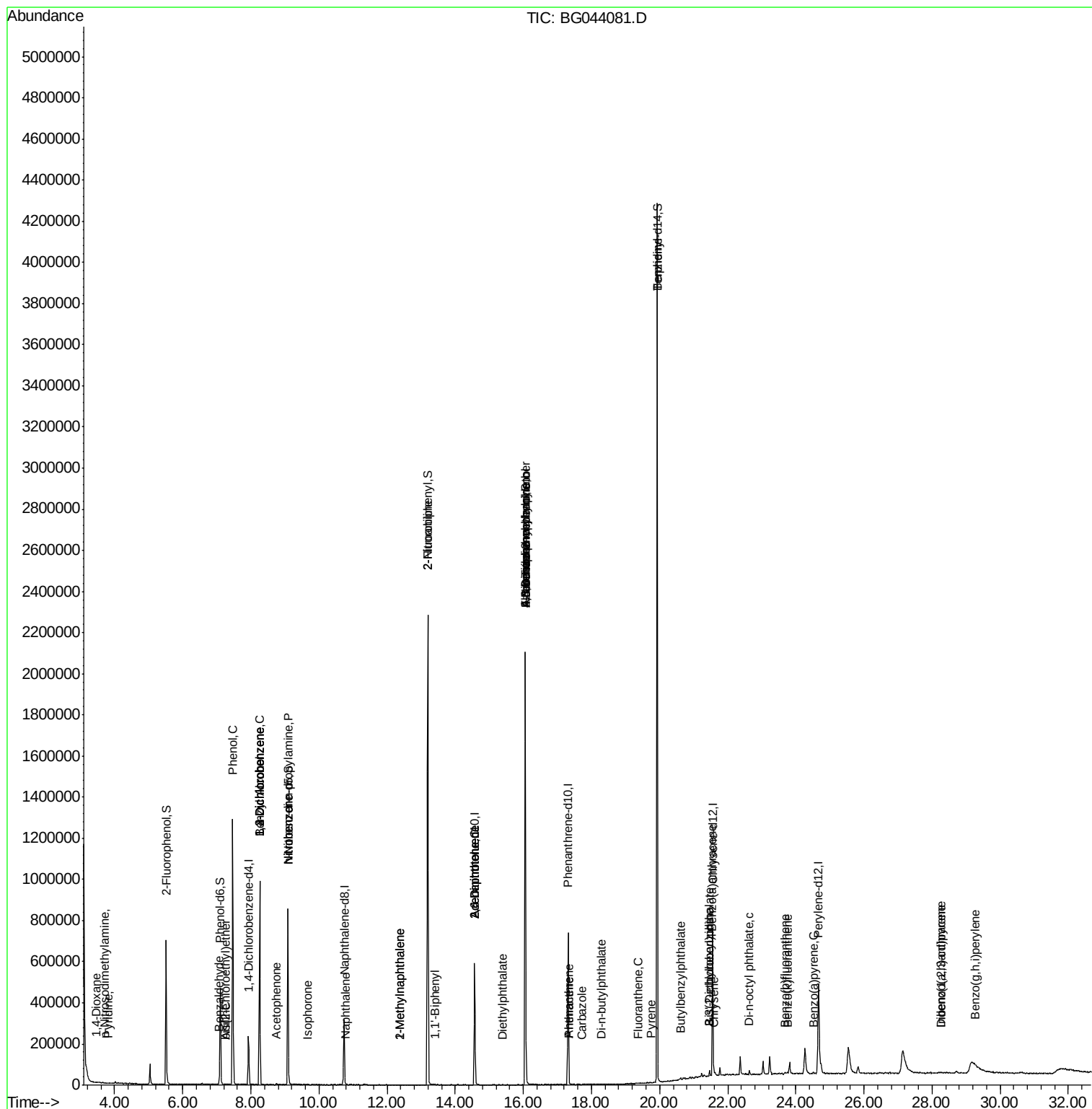
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) Benzidine	19.93	184	33686	3.335	ng	# 90
78) Pyrene	19.73	202	782	0.030	ng	# 51
80) Butylbenzylphthalate	20.61	149	2848	0.228	ng	# 93
81) Benzo(a)anthracene	21.54	228	4958	0.199	ng	# 92
82) 3,3'-Dichlorobenzidine	21.47	252	1238	0.126	ng	# 69
83) Chrysene	21.60	228	3563	0.150	ng	# 85
84) Bis(2-ethylhexyl)phthalate	21.47	149	10372	0.602	ng	# 93
85) Di-n-octyl phthalate	22.64	149	16134	0.557	ng	# 88
86) Indeno(1,2,3-cd)pyrene	28.26	276	226	0.007	ng	# 9
88) Benzo(b)fluoranthene	23.69	252	5658	0.215	ng	# 90
89) Benzo(k)fluoranthene	23.75	252	5545	0.222	ng	# 87
90) Benzo(a)pyrene	24.51	252	5504	0.222	ng	# 91
91) Dibenzo(a,h)anthracene	28.26	278	4027	0.162	ng	# 91
92) Benzo(g,h,i)perylene	29.27	276	2140	0.086	ng	# 92

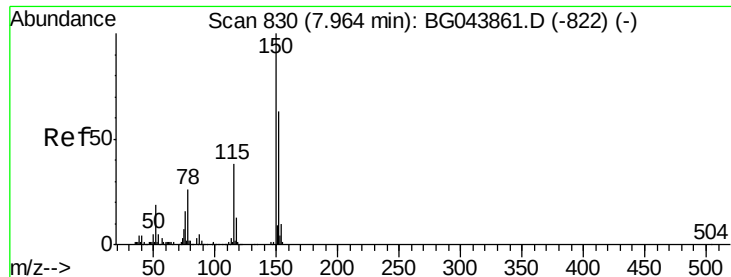
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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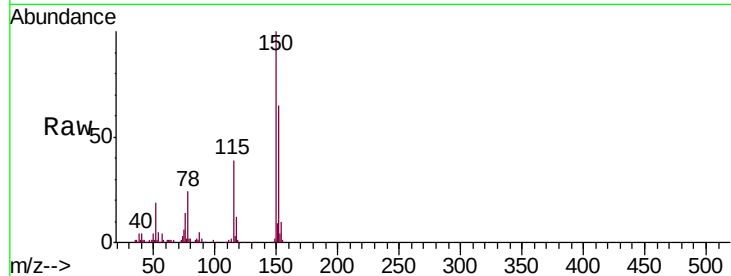


#1

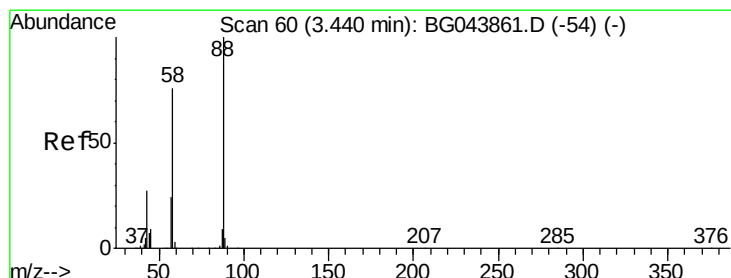
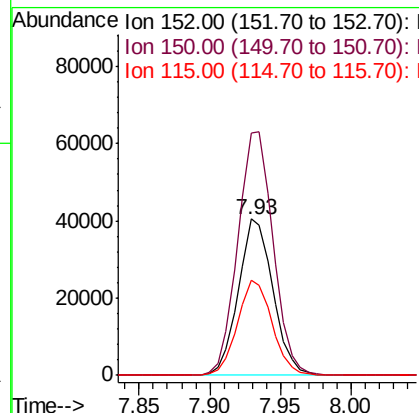
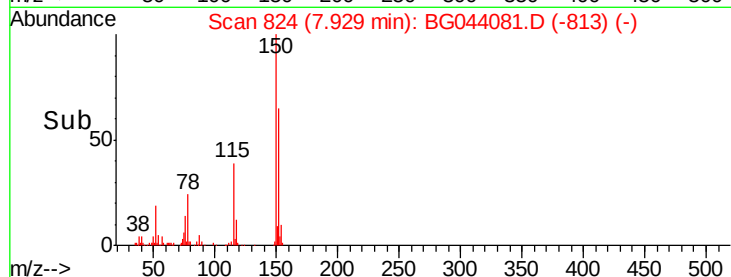
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.04 min
Lab File: BG044081.D
Acq: 17 Jan 2020 19:18

Instrument :
BNA_G
ClientSampleId :
PB126154BL

Tgt Ion: 152 Resp: 69490
Ion Ratio Lower Upper
152 100
150 154.8 127.0 190.4
115 61.1 47.8 71.8



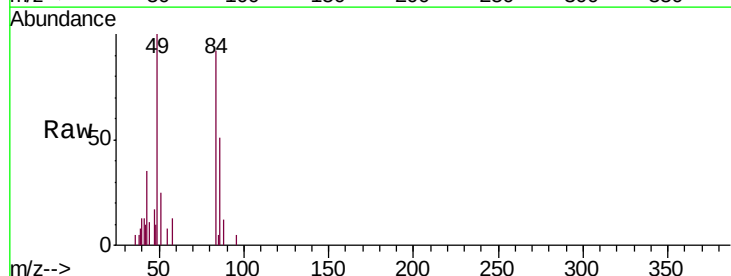
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



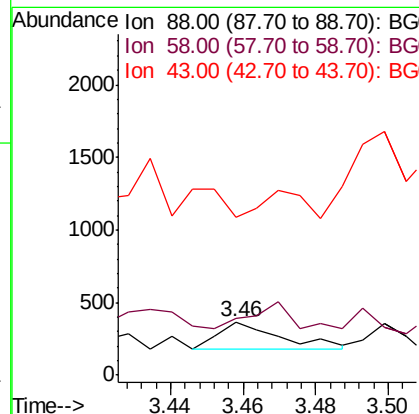
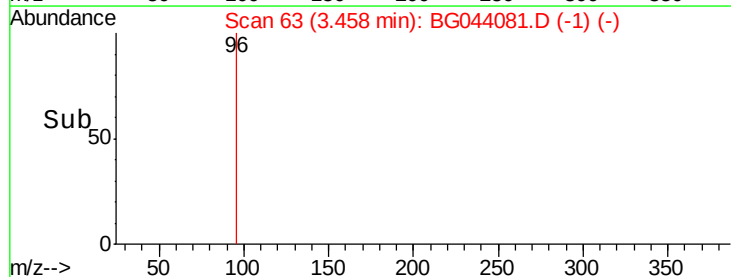
#2

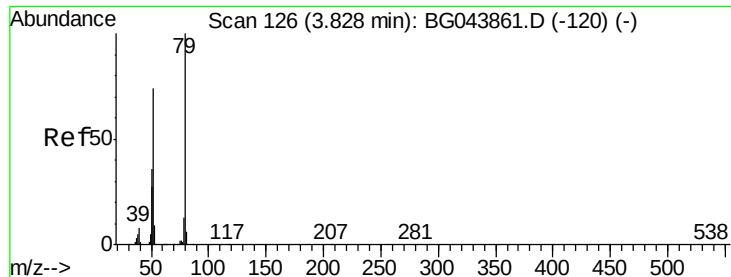
1,4-Dioxane
Concen: 0.137 ng
RT: 3.46 min Scan# 63
Delta R.T. 0.02 min
Lab File: BG044081.D
Acq: 17 Jan 2020 19:18

Tgt Ion: 88 Resp: 226
Ion Ratio Lower Upper
88 100
58 59.3 59.8 89.8#
43 0.0 22.9 34.3#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 0.011 ng

RT: 3.80 min Scan# 121

Delta R.T. -0.03 min

Lab File: BG044081.D

Acq: 17 Jan 2020 19:18

Instrument :

BNA_G

ClientSampleId :

PB126154BL

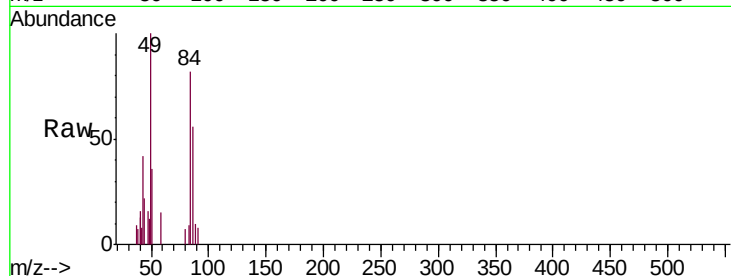
Tgt Ion: 79 Resp: 56

Ion Ratio Lower Upper

79 100

52 0.0 58.9 88.3#

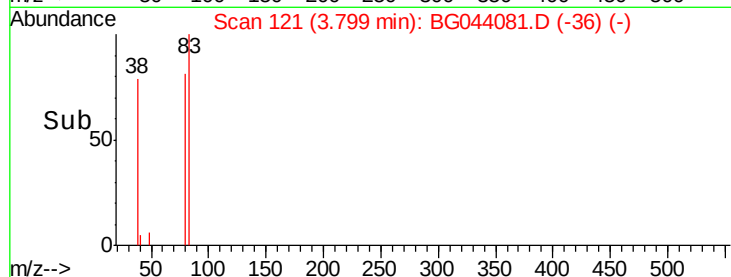
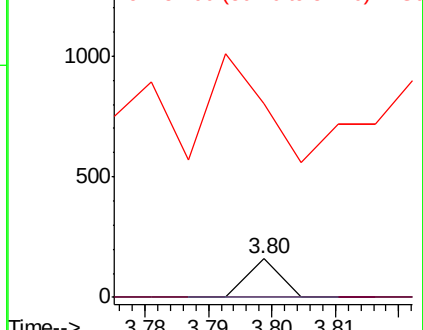
51 505.0 28.6 43.0#



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: 0.064 ng

RT: 3.72 min Scan# 108

Delta R.T. -0.02 min

Lab File: BG044081.D

Acq: 17 Jan 2020 19:18

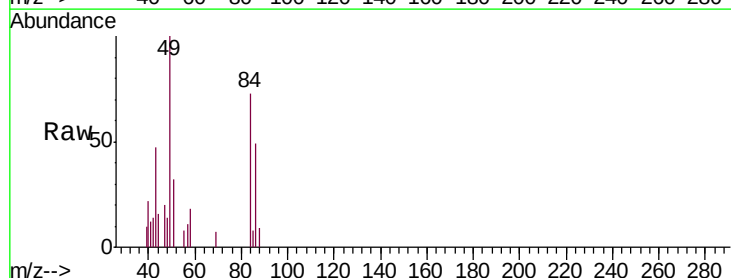
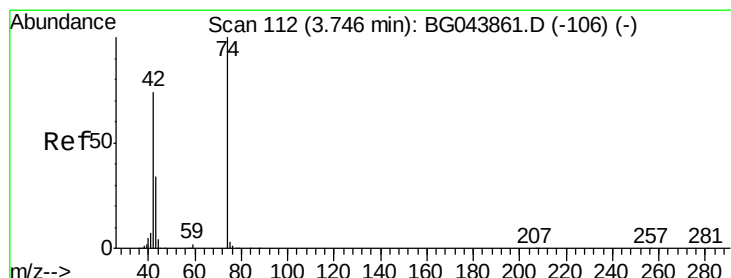
Tgt Ion: 42 Resp: 138

Ion Ratio Lower Upper

42 100

74 0.0 108.6 162.8#

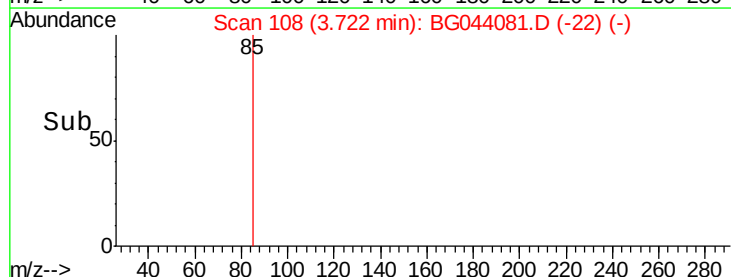
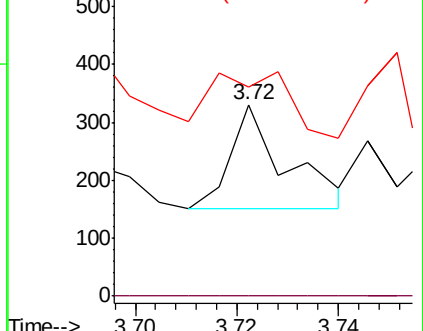
44 108.8 5.0 7.6#

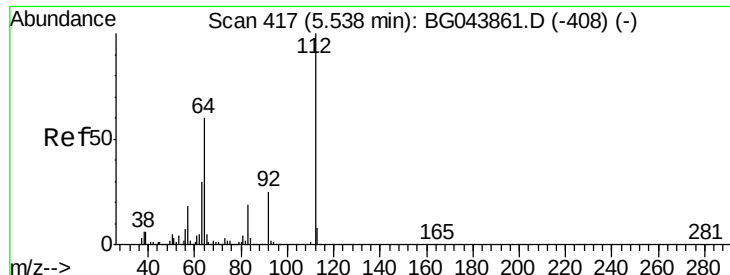


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 93.421 ng

RT: 5.51 min Scan# 412

Delta R.T. -0.03 min

Lab File: BG044081.D

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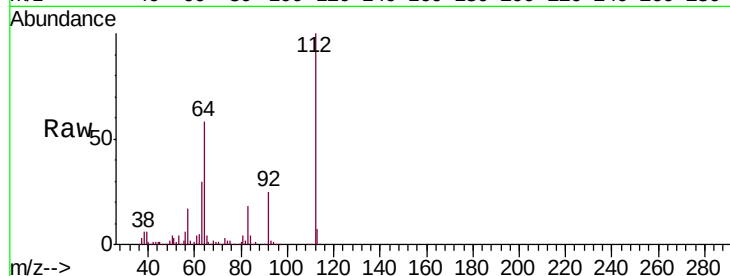
Tgt Ion: 112 Resp: 353562

Ion Ratio Lower Upper

112 100

64 57.9 47.8 71.6

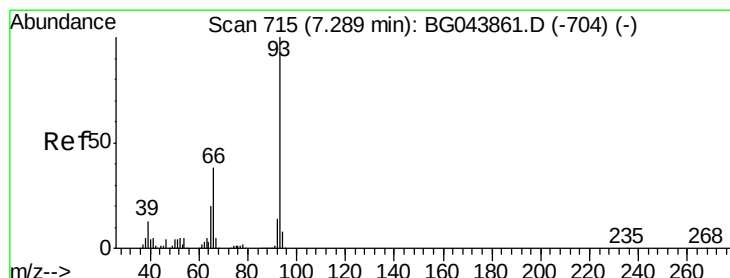
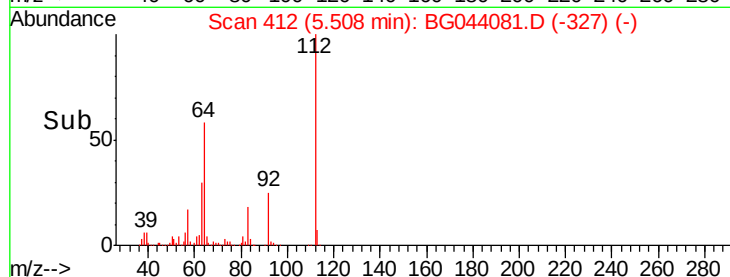
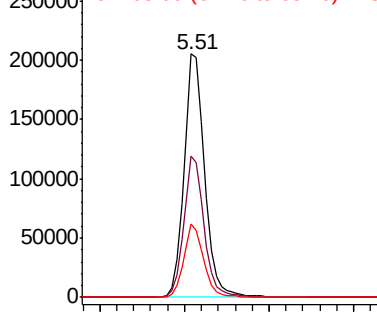
63 30.0 24.3 36.5



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 0.008 ng

RT: 7.25 min Scan# 709

Delta R.T. -0.04 min

Lab File: BG044081.D

Acq: 17 Jan 2020 19:18

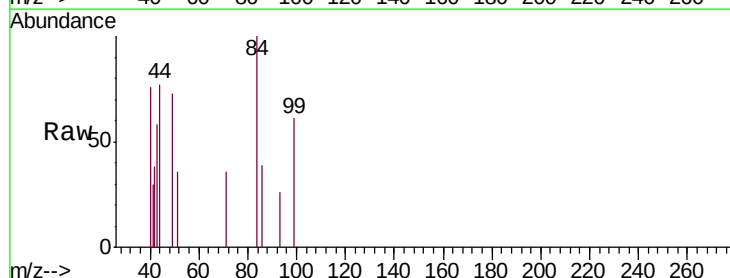
Tgt Ion: 93 Resp: 53

Ion Ratio Lower Upper

93 100

66 0.0 30.8 46.2#

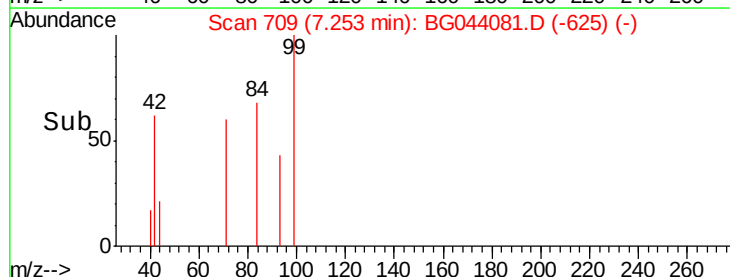
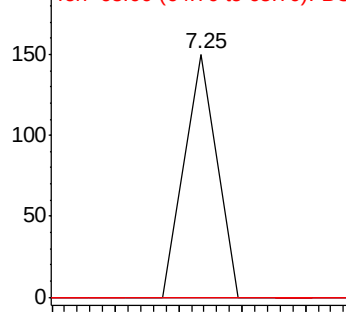
65 0.0 16.0 24.0#

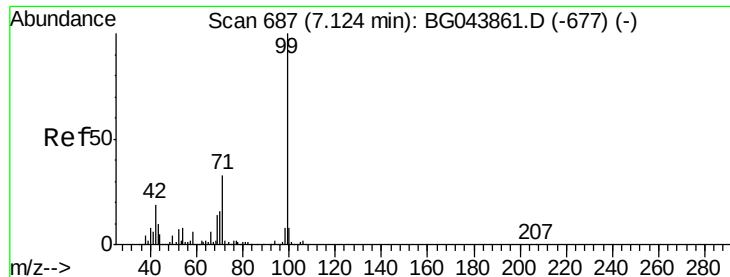


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 57.584 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.02 min

Lab File: BG044081.D

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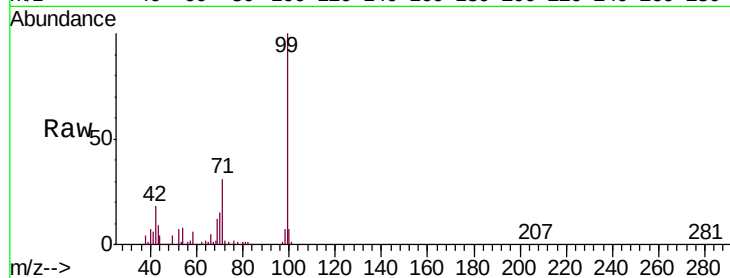
Tgt Ion: 99 Resp: 304630

Ion Ratio Lower Upper

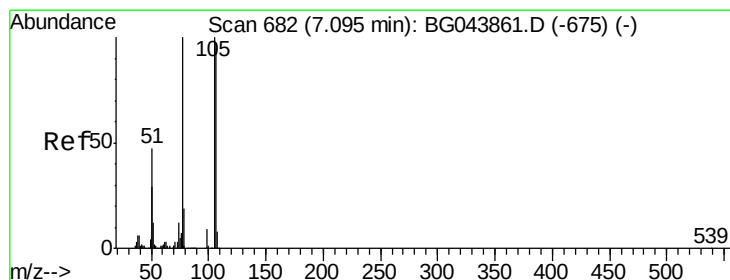
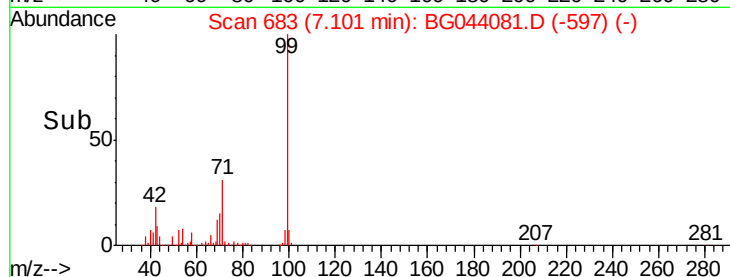
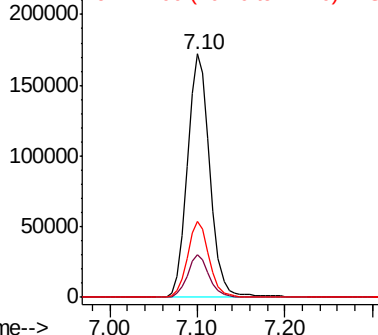
99 100

42 17.5 14.9 22.3

71 31.1 26.4 39.6



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: 0.144 ng

RT: 7.07 min Scan# 678

Delta R.T. -0.02 min

Lab File: BG044081.D

Acq: 17 Jan 2020 19:18

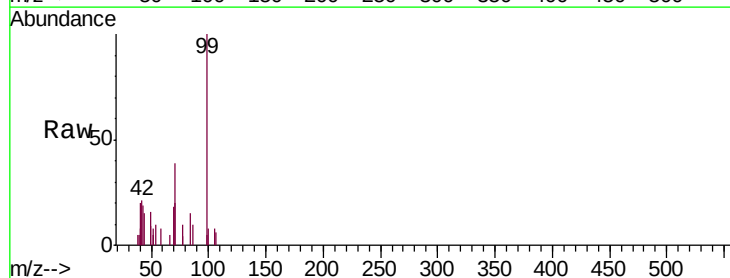
Tgt Ion: 77 Resp: 486

Ion Ratio Lower Upper

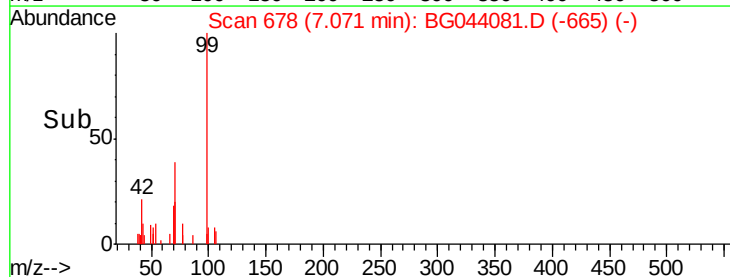
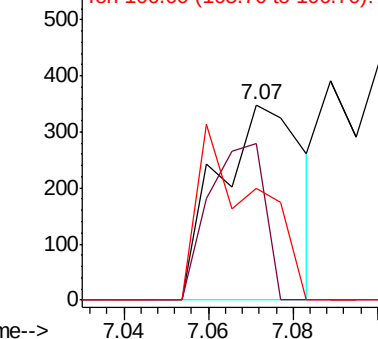
77 100

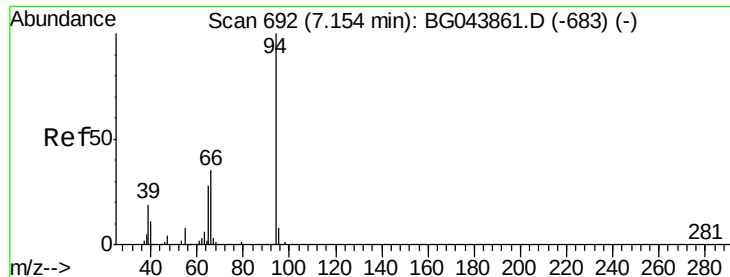
105 80.5 80.2 120.2

106 57.2 77.2 117.2#



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





#10

Phenol

Concen: 0.276 ng

RT: 7.46 min Scan# 745

Delta R.T. 0.31 min

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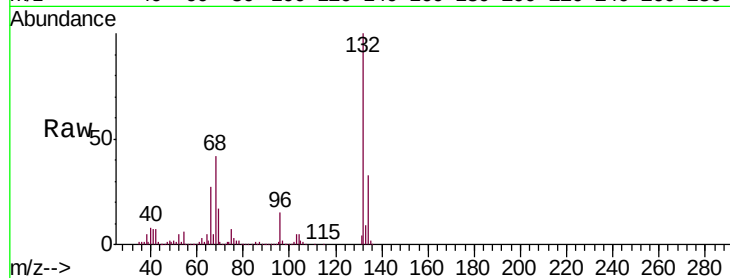
Tgt Ion: 94 Resp: 1506

Ion Ratio Lower Upper

94 100

65 969.9 8.1 48.1#

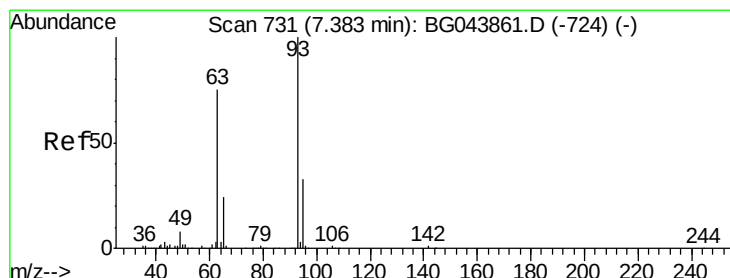
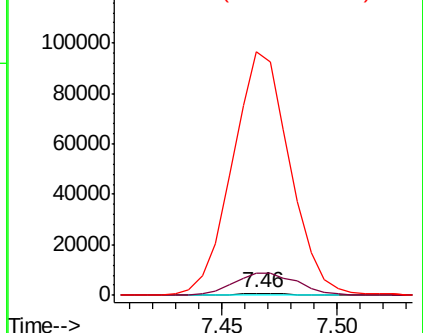
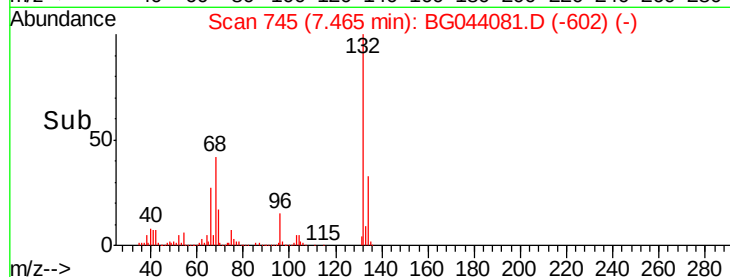
66 10501.0 15.6 55.6#



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: 0.011 ng

RT: 7.25 min Scan# 709

Delta R.T. -0.13 min

Lab File: BG044081.D

Acq: 17 Jan 2020 19:18

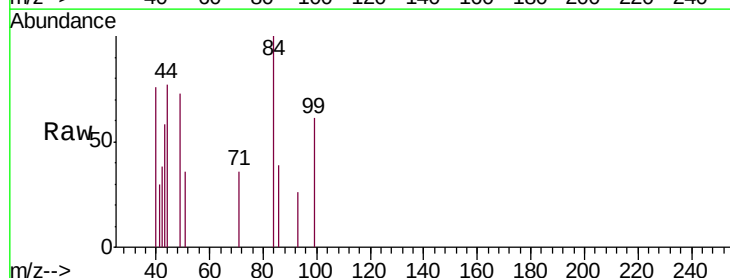
Tgt Ion: 93 Resp: 53

Ion Ratio Lower Upper

93 100

63 0.0 55.0 95.0#

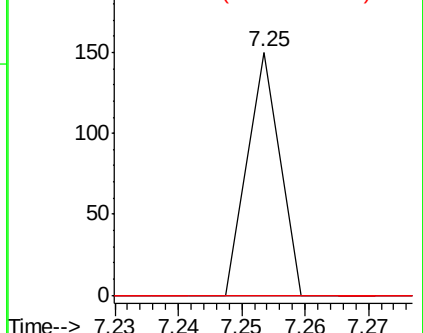
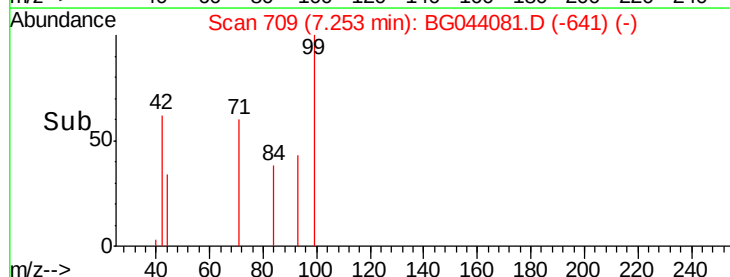
95 0.0 13.3 53.3#

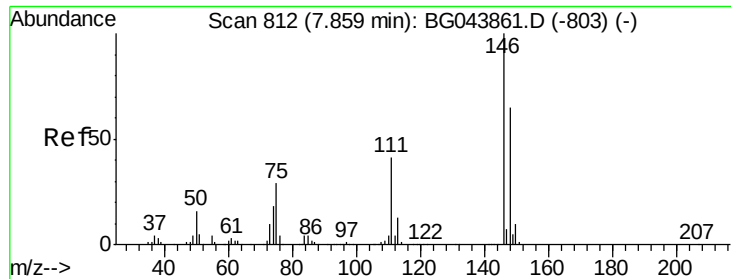


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

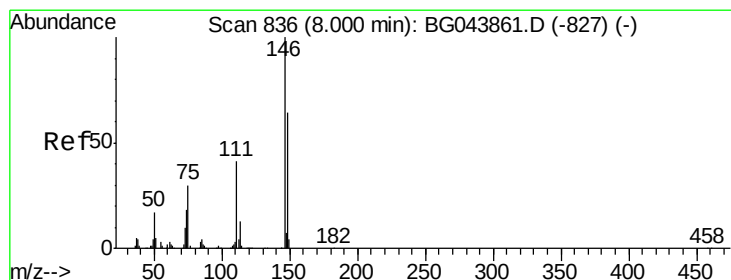
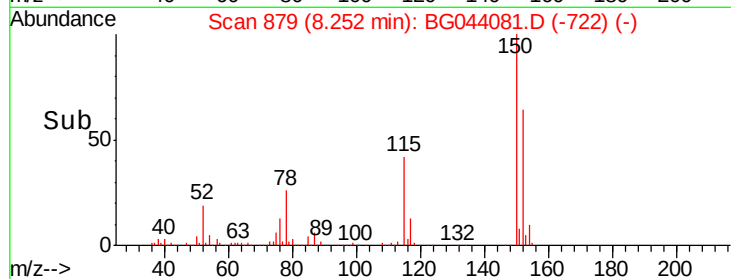
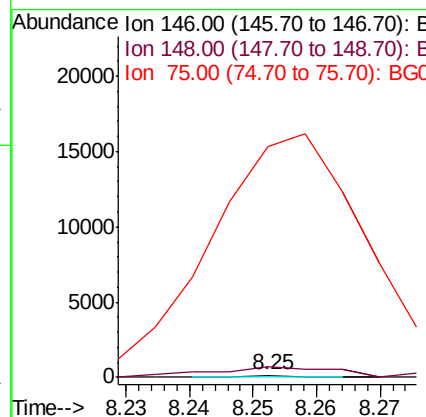
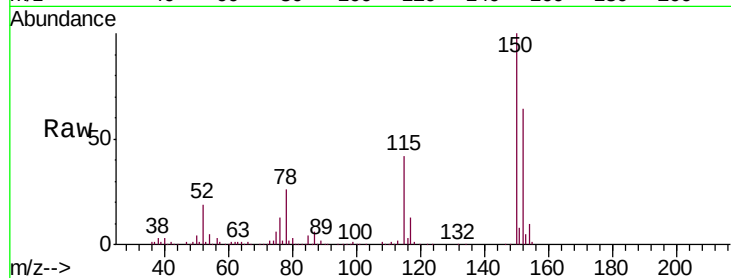




#12
 1,3-Dichlorobenzene
 Concen: 0.010 ng
 RT: 8.25 min Scan# 879
 Delta R.T. 0.39 min
 Lab File: BG044081.D
 Acq: 17 Jan 2020 19:18

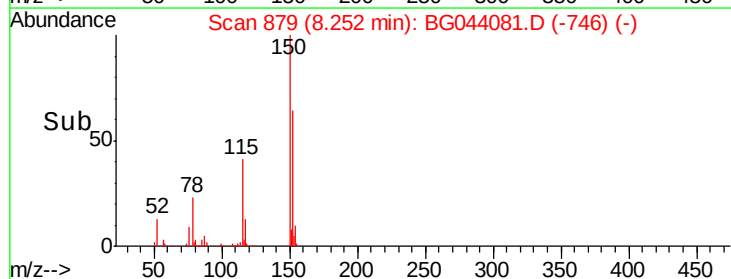
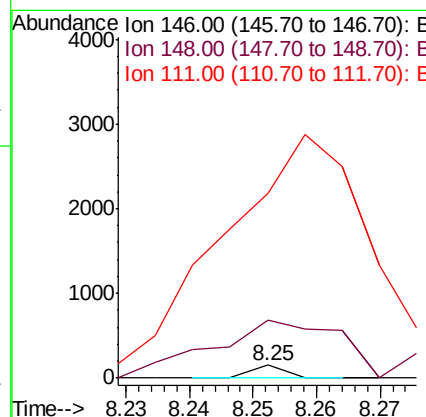
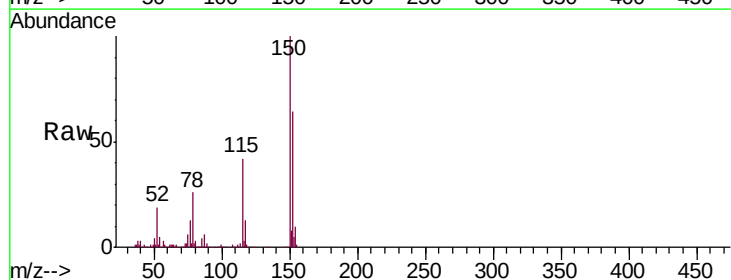
Instrument :
 BNA_G
 ClientSampleId :
 PB126154BL

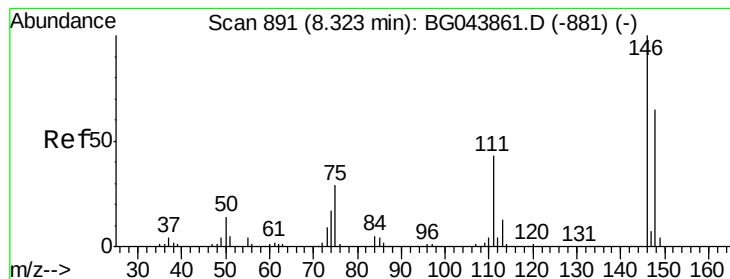
Tgt Ion:146 Resp: 54
 Ion Ratio Lower Upper
 146 100
 148 449.4 52.1 78.1#
 75 9975.3 23.0 34.4#



#13
 1,4-Dichlorobenzene
 Concen: 0.011 ng
 RT: 8.25 min Scan# 879
 Delta R.T. 0.25 min
 Lab File: BG044081.D
 Acq: 17 Jan 2020 19:18

Tgt Ion:146 Resp: 54
 Ion Ratio Lower Upper
 146 100
 148 449.4 51.2 76.8#
 111 1411.7 33.1 49.7#





#14

1,2-Dichlorobenzene

Concen: 0.011 ng

RT: 8.25 min Scan# 879

Delta R.T. -0.07 min

Lab File: BG044081.D

Acq: 17 Jan 2020 19:18

Instrument :

BNA_G

ClientSampleId :

PB126154BL

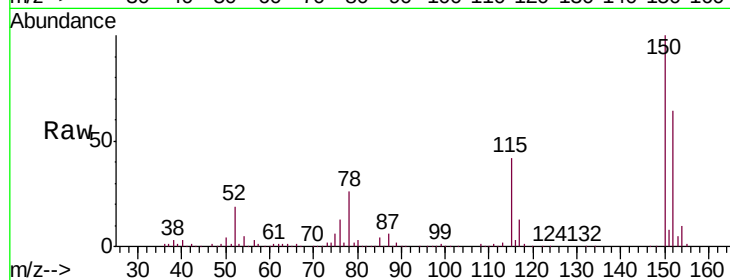
Tgt Ion:146 Resp: 54

Ion Ratio Lower Upper

146 100

148 449.4 51.7 77.5#

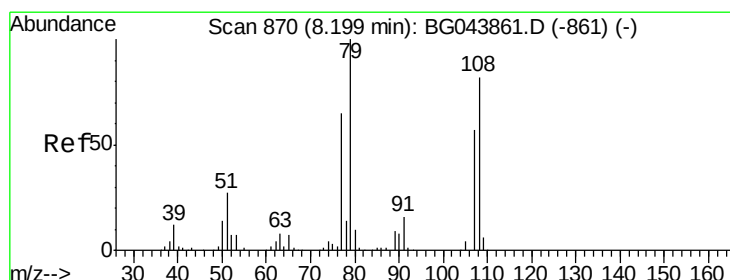
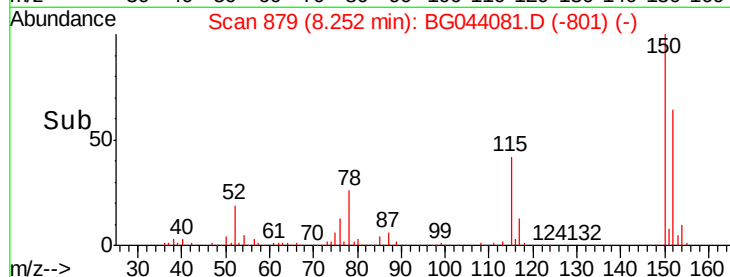
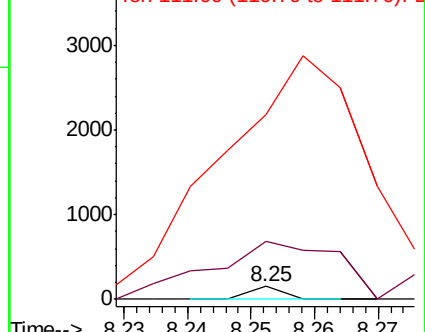
111 1411.7 34.4 51.6#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 1.998 ng

RT: 8.25 min Scan# 879

Delta R.T. 0.05 min

Lab File: BG044081.D

Acq: 17 Jan 2020 19:18

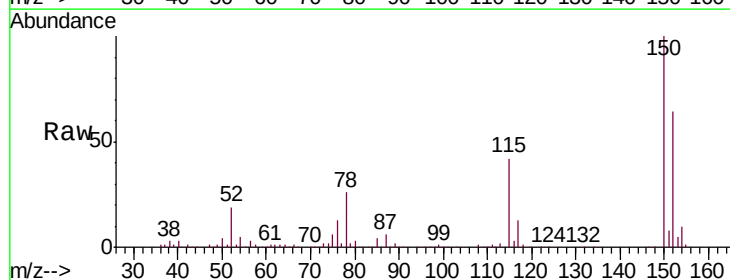
Tgt Ion: 79 Resp: 8343

Ion Ratio Lower Upper

79 100

108 32.4 65.6 98.4#

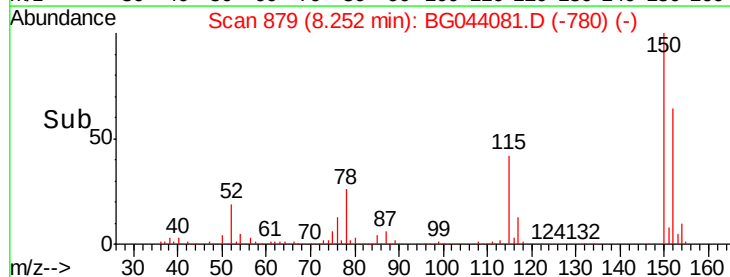
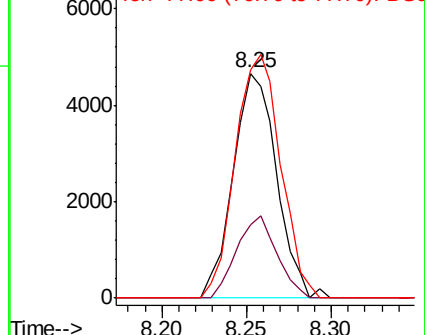
77 101.5 52.0 78.0#

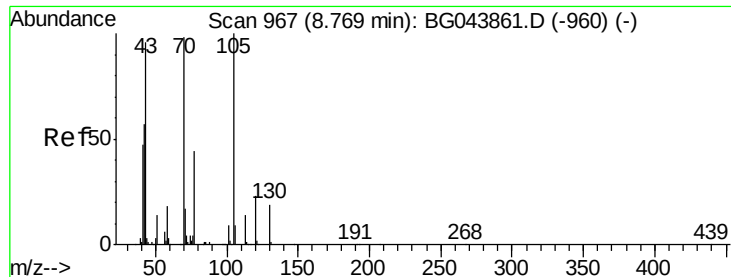


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

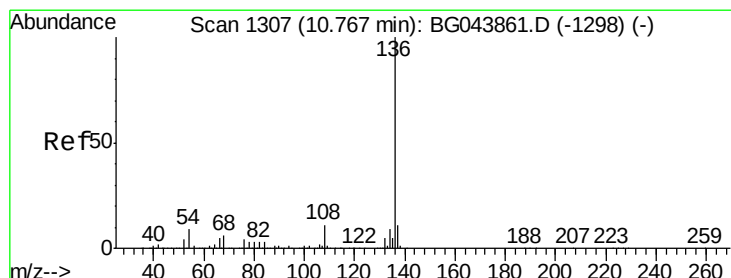
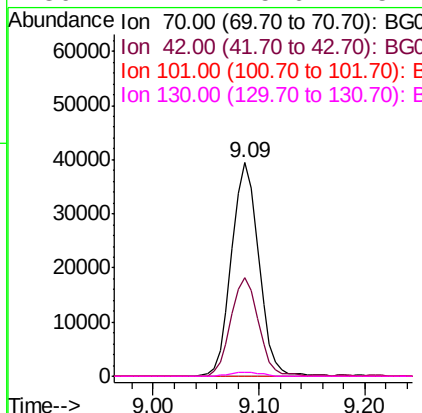
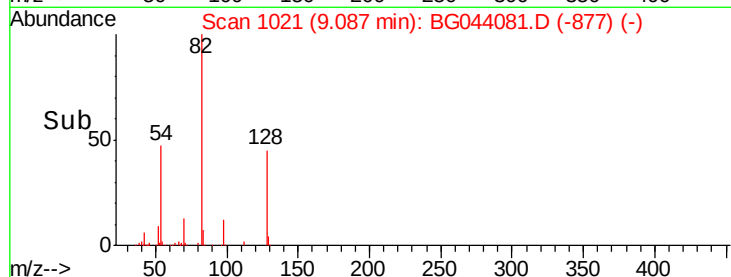
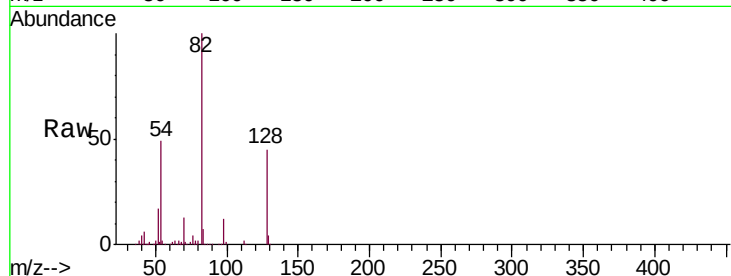




#19
n-Nitroso-di-n-propylamine
Concen: 17.871 ng
RT: 9.09 min Scan# 1021
Delta R.T. 0.32 min
Lab File: BG044081.D
Acq: 17 Jan 2020 19:18

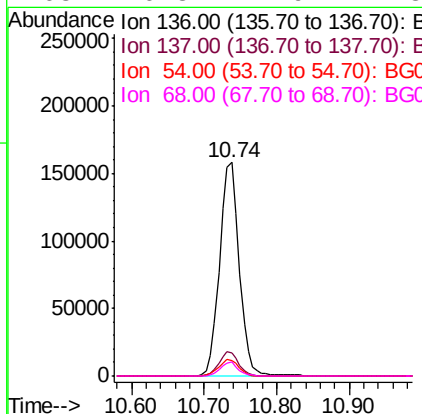
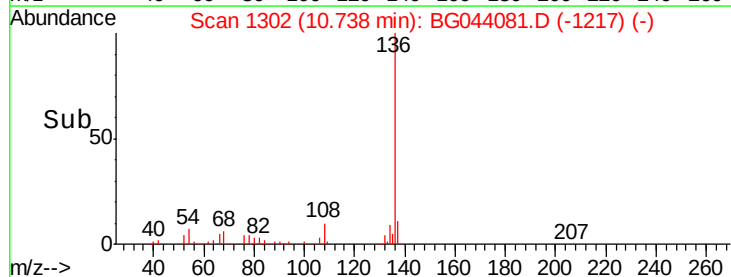
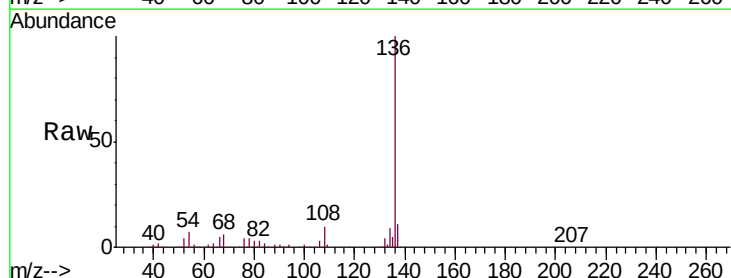
Instrument :
BNA_G
ClientSampleId :
PB126154BL

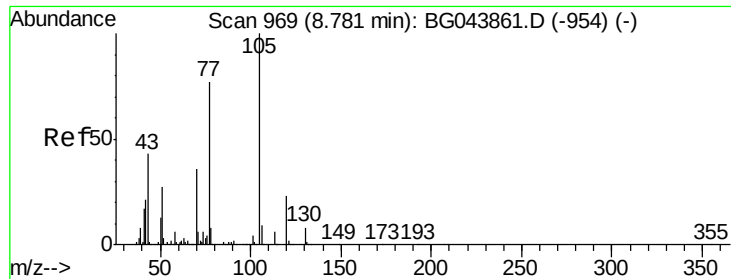
Tgt Ion: 70 Resp: 70406
Ion Ratio Lower Upper
70 100
42 46.0 47.0 70.4#
101 0.0 7.2 10.8#
130 2.1 15.6 23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.74 min Scan# 1302
Delta R.T. -0.03 min
Lab File: BG044081.D
Acq: 17 Jan 2020 19:18

Tgt Ion: 136 Resp: 299391
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.4 7.0 10.4
68 6.3 4.9 7.3

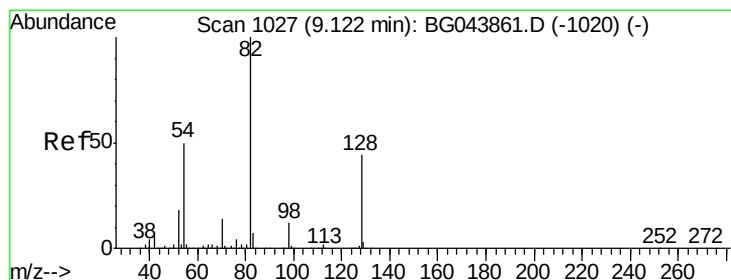
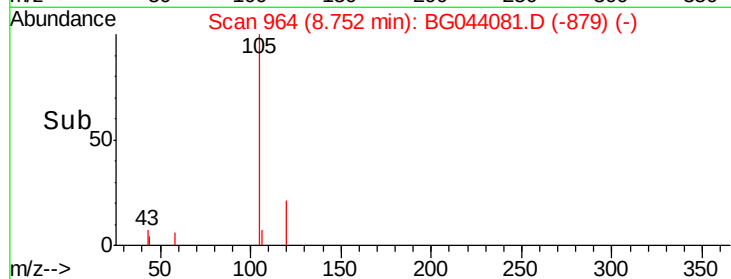
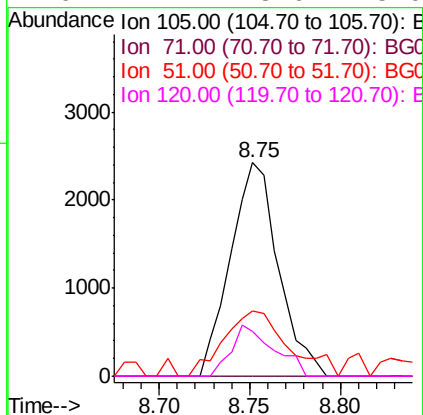
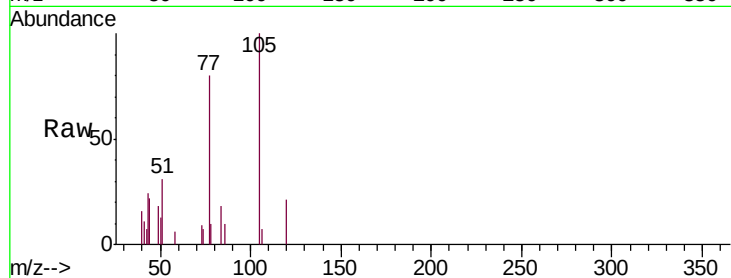




#22
Acetophenone
Concen: 0.599 ng
RT: 8.75 min Scan# 964
Delta R.T. -0.03 min
Lab File: BG044081.D
Acq: 17 Jan 2020 19:18

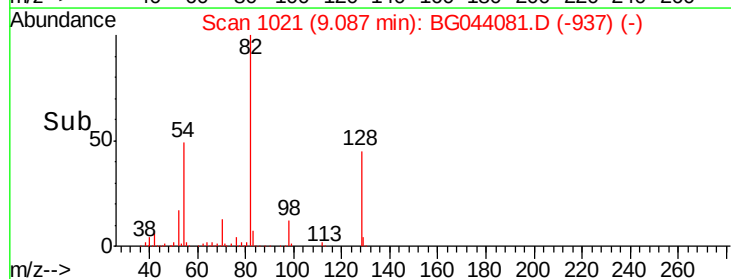
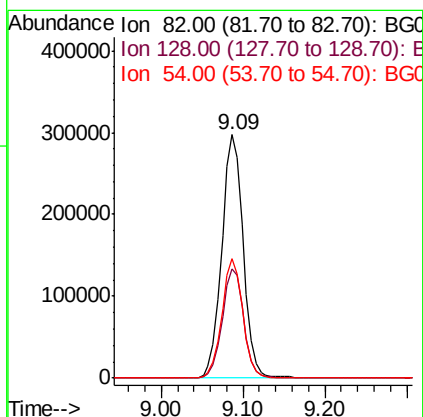
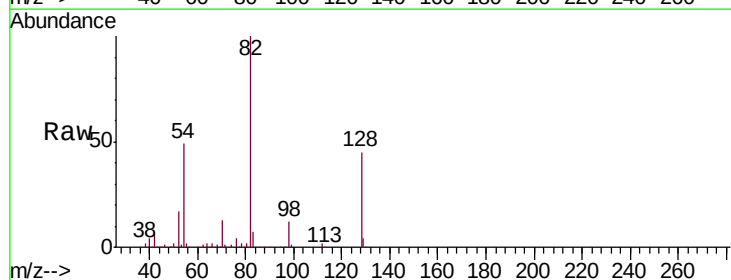
Instrument :
BNA_G
ClientSampleId :
PB126154BL

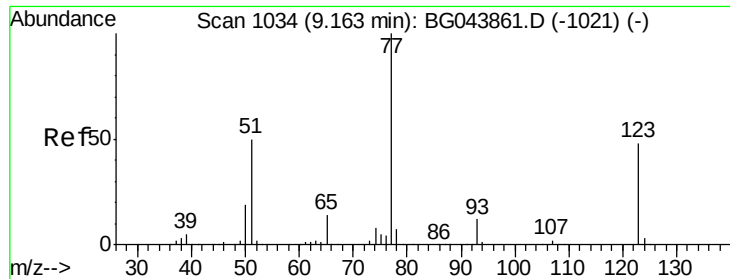
Tgt Ion: 105 Resp: 4457
Ion Ratio Lower Upper
105 100
71 0.0 4.8 7.2#
51 30.8 21.4 32.0
120 21.1 18.6 28.0



#23
Nitrobenzene-d5
Concen: 96.831 ng
RT: 9.09 min Scan# 1021
Delta R.T. -0.04 min
Lab File: BG044081.D
Acq: 17 Jan 2020 19:18

Tgt Ion: 82 Resp: 541919
Ion Ratio Lower Upper
82 100
128 44.8 35.1 52.7
54 48.9 40.1 60.1

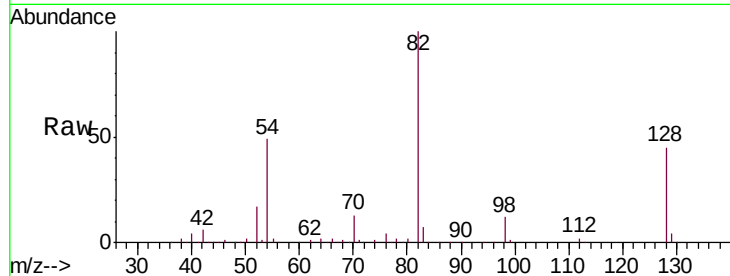




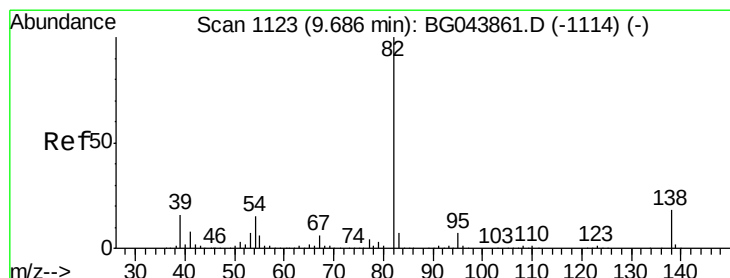
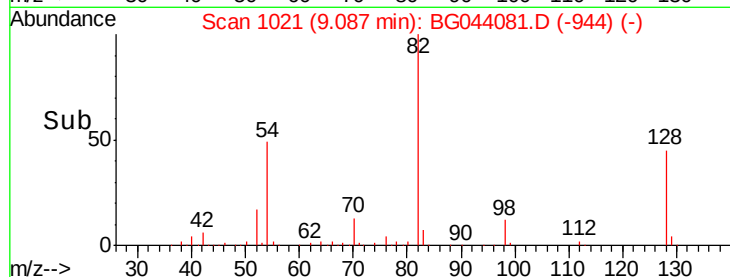
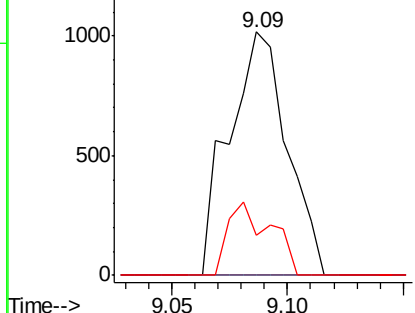
#24
Nitrobenzene
Concen: 0.321 ng
RT: 9.09 min Scan# 1021
Delta R.T. -0.08 min
Lab File: BG044081.D
Acq: 17 Jan 2020 19:18

Instrument :
BNA_G
ClientSampleId :
PB126154BL

Tgt Ion: 77 Resp: 1778
Ion Ratio Lower Upper
77 100
123 0.0 38.7 58.1#
65 16.5 11.1 16.7

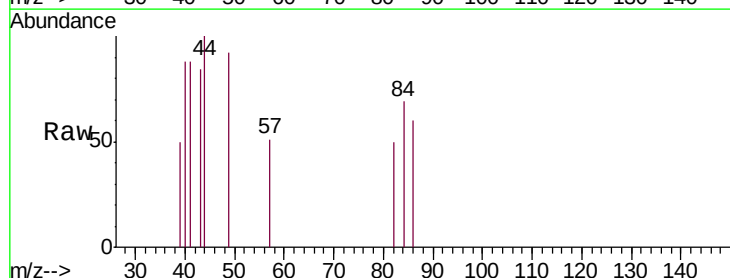


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC

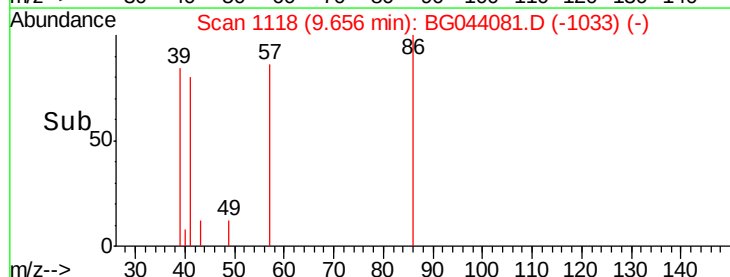
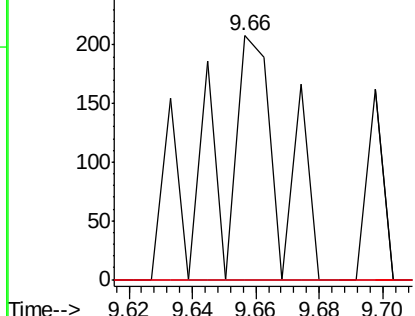


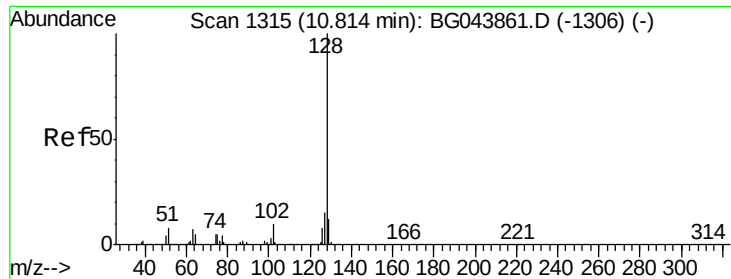
#25
Isophorone
Concen: 0.025 ng
RT: 9.66 min Scan# 1118
Delta R.T. -0.03 min
Lab File: BG044081.D
Acq: 17 Jan 2020 19:18

Tgt Ion: 82 Resp: 265
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 22.0#



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

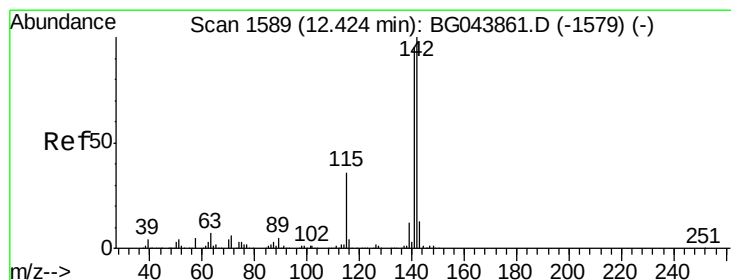
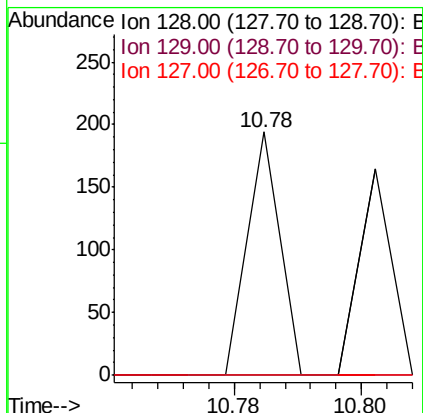
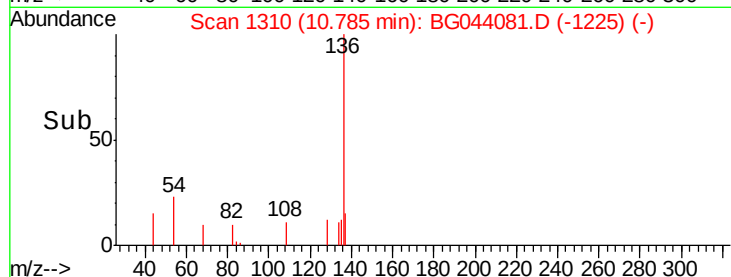
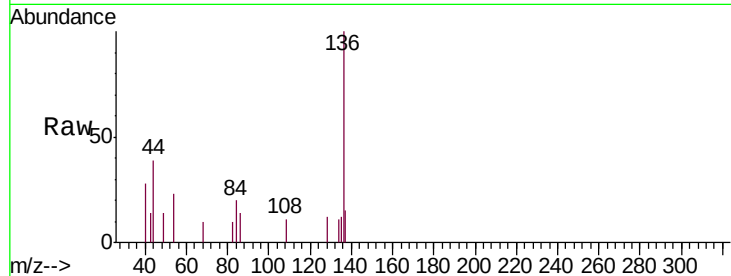




#31
Naphthalene
Concen: 0.005 ng
RT: 10.78 min Scan# 1310
Delta R.T. -0.03 min
Lab File: BG044081.D
Acq: 17 Jan 2020 19:18

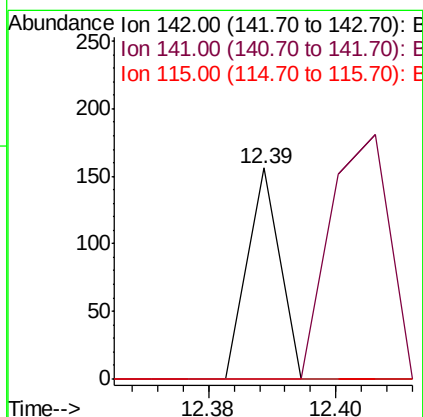
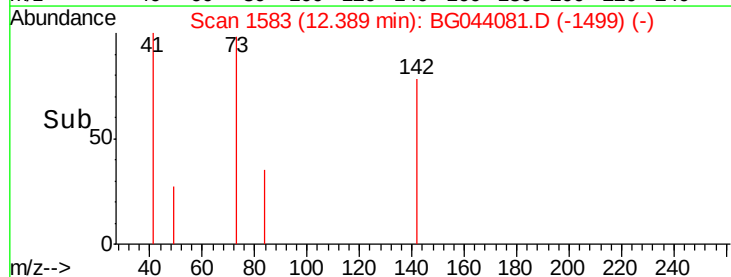
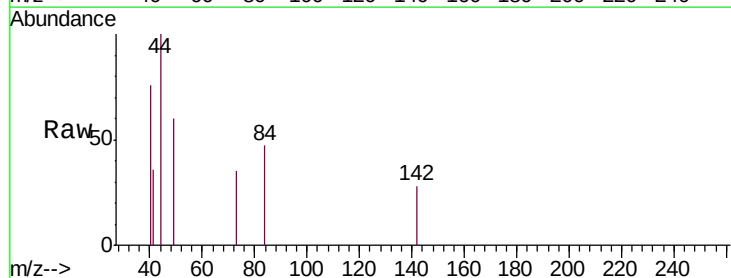
Instrument :
BNA_G
ClientSampleId :
PB126154BL

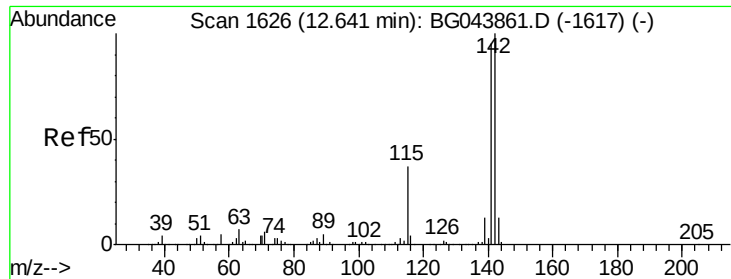
Tgt Ion	Ratio	Lower	Upper
128	100		
129	0.0	9.8	14.6#
127	0.0	12.0	18.0#



#37
2-Methylnaphthalene
Concen: 0.005 ng
RT: 12.39 min Scan# 1583
Delta R.T. -0.04 min
Lab File: BG044081.D
Acq: 17 Jan 2020 19:18

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

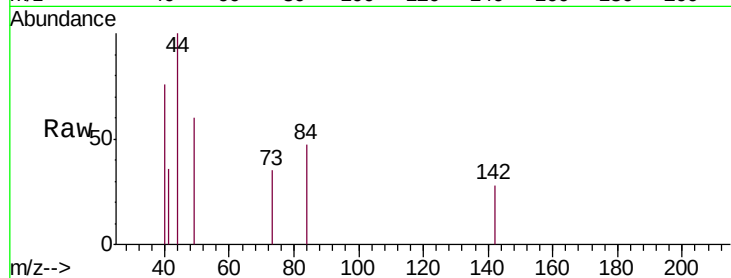




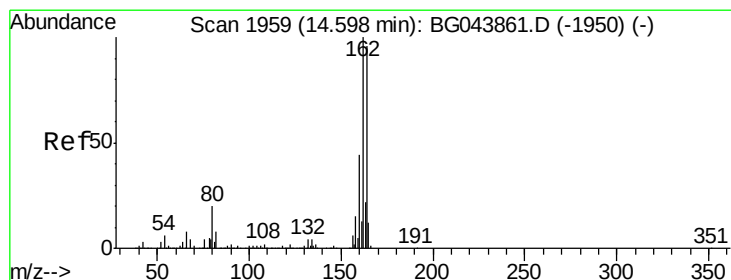
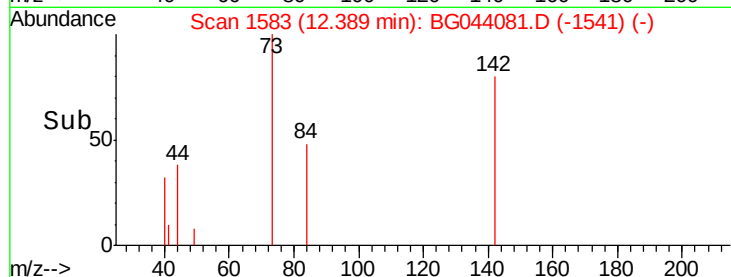
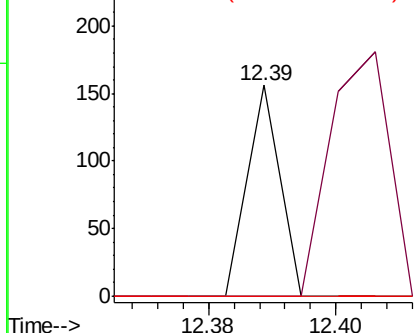
#38
1-Methylnaphthalene
Concen: 0.005 ng
RT: 12.39 min Scan# 1583
Delta R.T. -0.25 min
Lab File: BG044081.D
Acq: 17 Jan 2020 19:18

Instrument :
BNA_G
ClientSampleId :
PB126154BL

Tgt Ion:142 Resp: 55
Ion Ratio Lower Upper
142 100
141 0.0 76.0 114.0#
116 0.0 3.1 4.7#

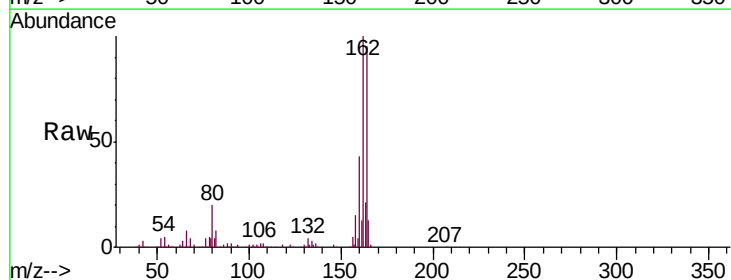


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

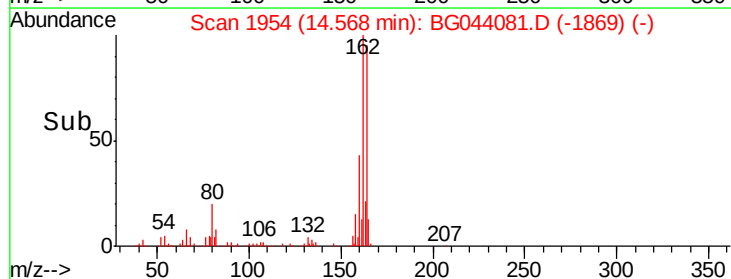
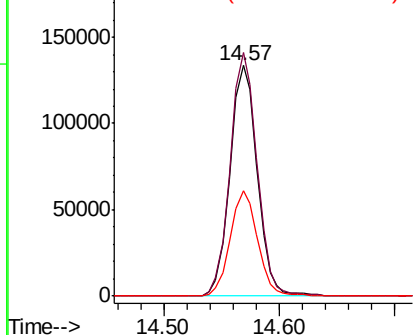


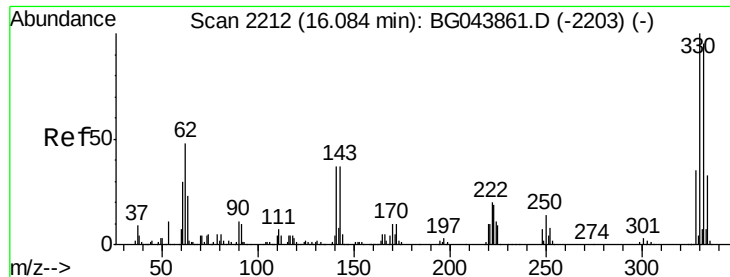
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.57 min Scan# 1954
Delta R.T. -0.03 min
Lab File: BG044081.D
Acq: 17 Jan 2020 19:18

Tgt Ion:164 Resp: 218281
Ion Ratio Lower Upper
164 100
162 105.7 83.0 124.4
160 45.6 36.1 54.1



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

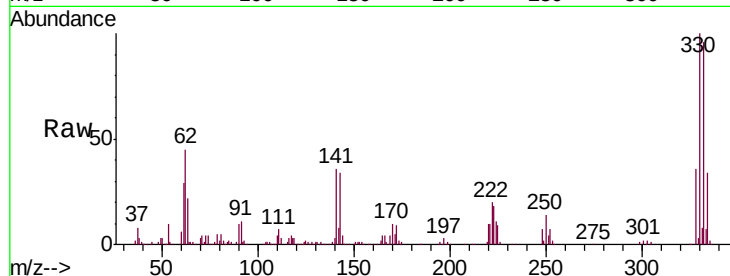




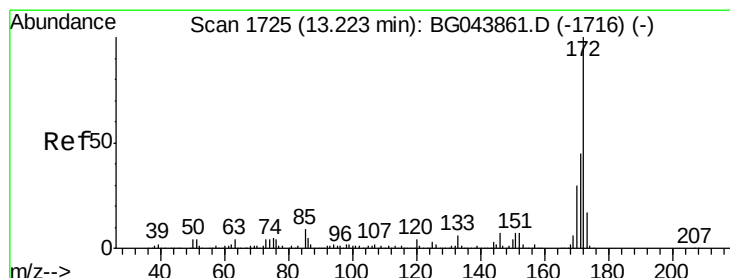
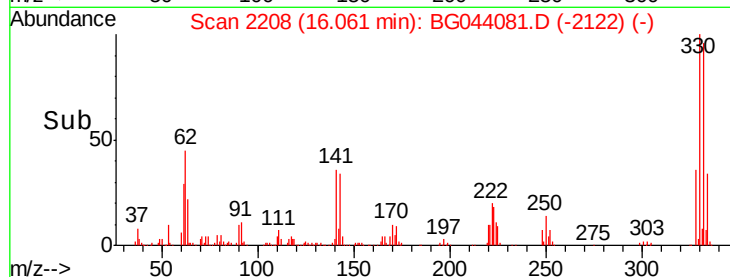
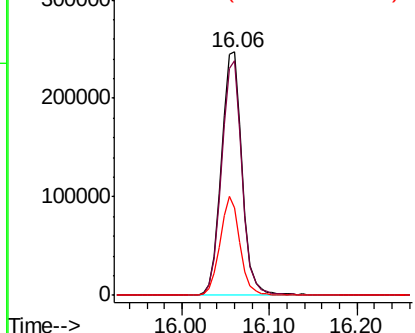
#42
 2,4,6-Tribromophenol
 Concen: 177.938 ng
 RT: 16.06 min Scan# 2208
 Delta R.T. -0.02 min
 Lab File: BG044081.D
 Acq: 17 Jan 2020 19:18

Instrument :
 BNA_G
 ClientSampleId :
 PB126154BL

Tgt Ion:330 Resp: 406457
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.2 115.8
 141 38.8 33.1 49.7

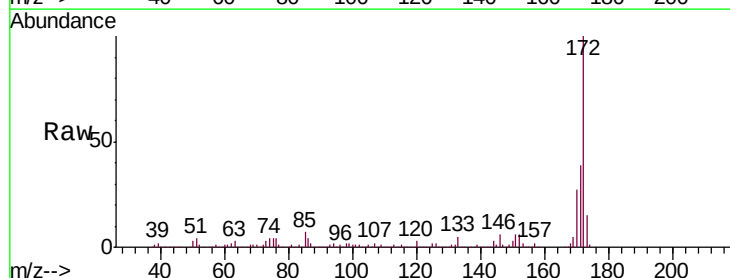


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

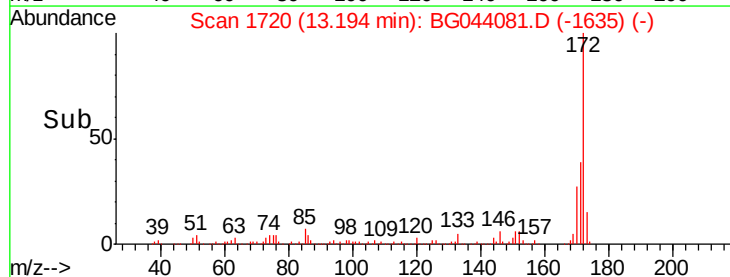
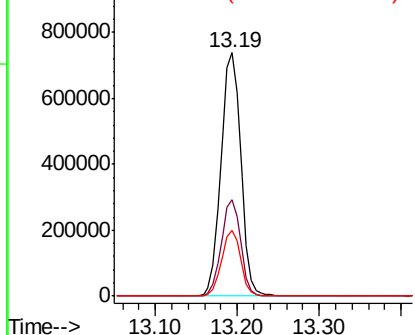


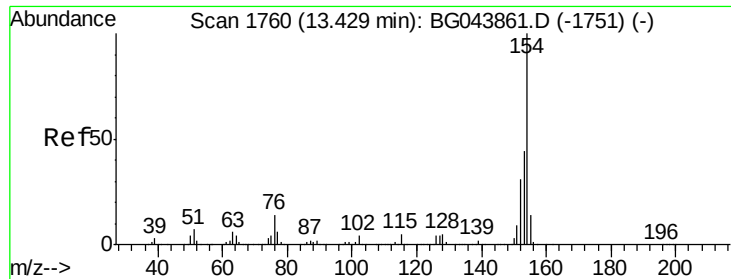
#45
 2-Fluorobiphenyl
 Concen: 103.780 ng
 RT: 13.19 min Scan# 1720
 Delta R.T. -0.03 min
 Lab File: BG044081.D
 Acq: 17 Jan 2020 19:18

Tgt Ion:172 Resp: 1250333
 Ion Ratio Lower Upper
 172 100
 171 39.4 35.8 53.8
 170 26.8 24.2 36.4



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: 0.183 ng

RT: 13.41 min Scan# 1756

Delta R.T. -0.02 min

Lab File: BG044081.D

Acq: 17 Jan 2020 19:18

Instrument :

BNA_G

ClientSampleId :

PB126154BL

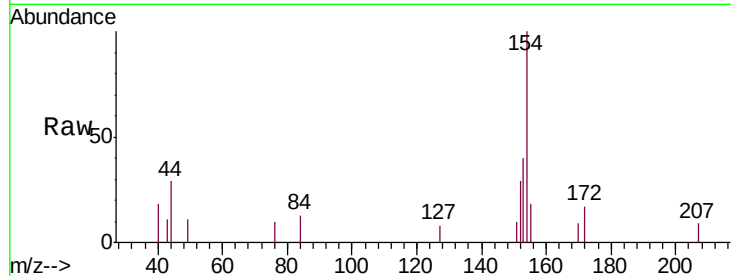
Tgt Ion: 154 Resp: 2863

Ion Ratio Lower Upper

154 100

153 40.5 23.6 63.6

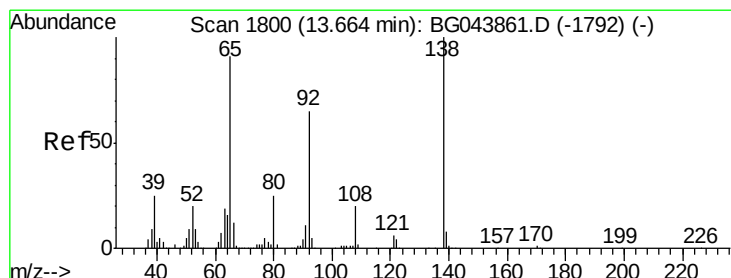
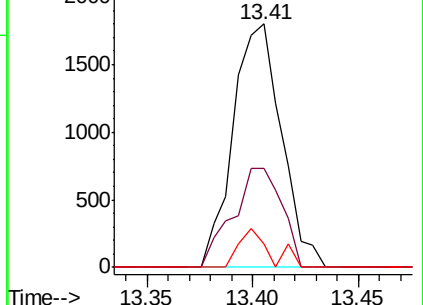
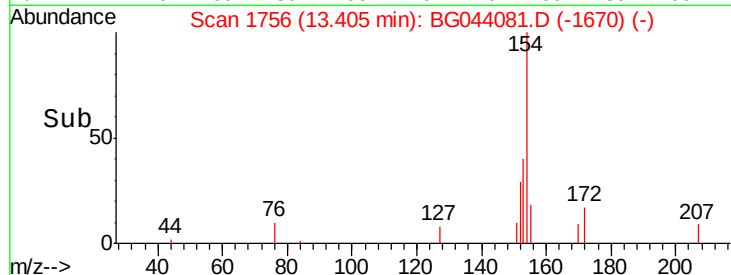
76 9.6 0.0 34.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BGC



#48

2-Nitroaniline

Concen: 0.493 ng

RT: 13.19 min Scan# 1720

Delta R.T. -0.47 min

Lab File: BG044081.D

Acq: 17 Jan 2020 19:18

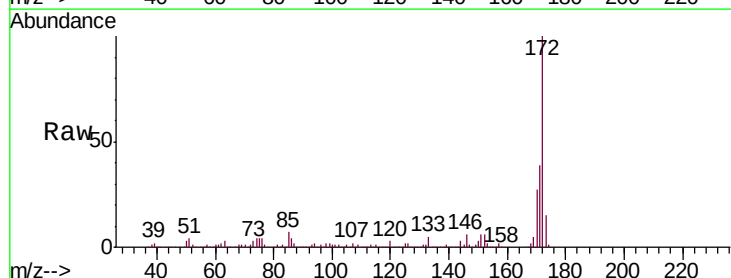
Tgt Ion: 65 Resp: 2007

Ion Ratio Lower Upper

65 100

92 283.3 57.4 86.2#

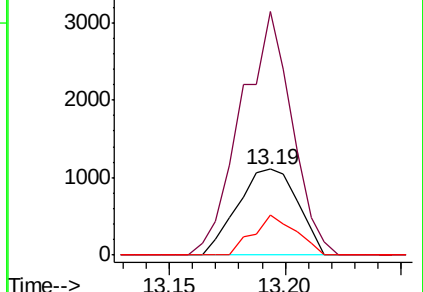
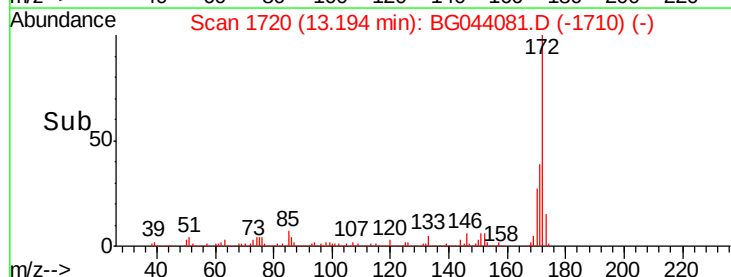
138 46.1 88.2 132.4#

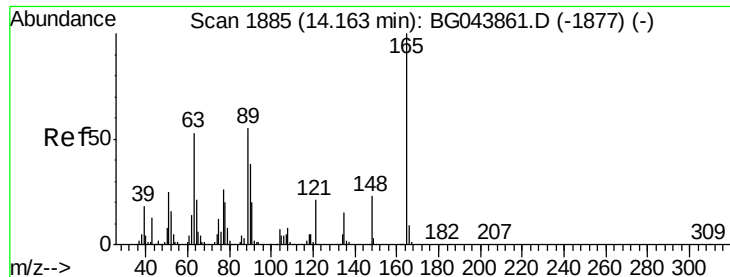


Abundance Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): E

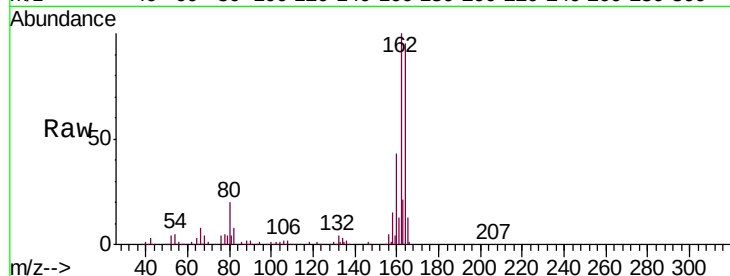




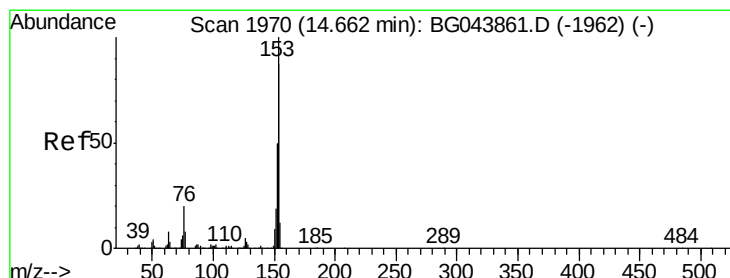
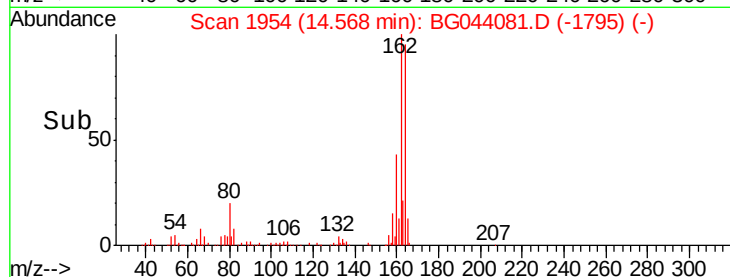
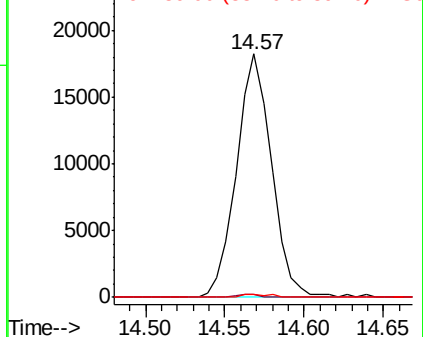
#51
 2,6-Dinitrotoluene
 Concen: 7.972 ng
 RT: 14.57 min Scan# 1954
 Delta R.T. 0.41 min
 Lab File: BG044081.D
 Acq: 17 Jan 2020 19:18

Instrument :
 BNA_G
 ClientSampleId :
 PB126154BL

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	43.1	64.7#
89	1.0	43.8	65.6#

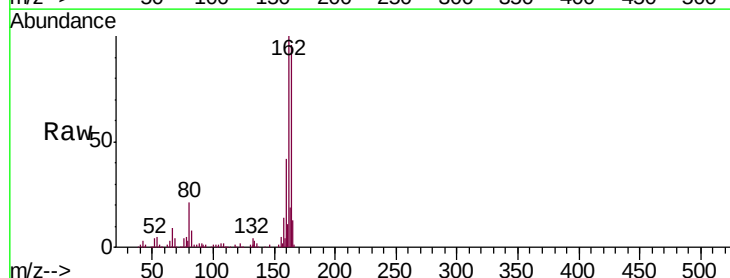


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG

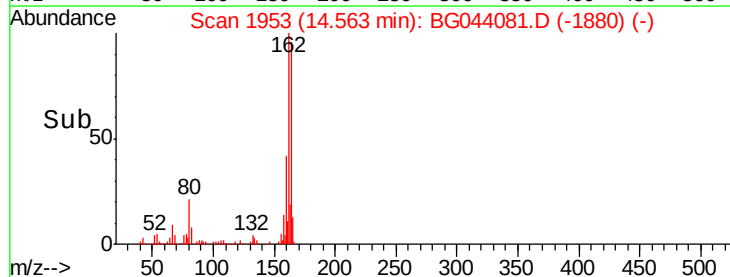
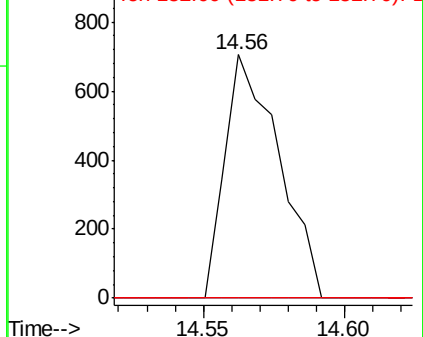


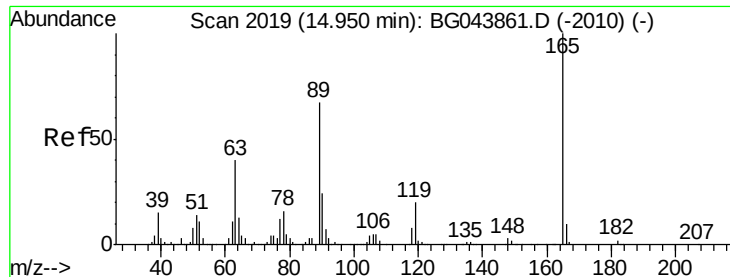
#52
 Acenaphthene
 Concen: 0.073 ng
 RT: 14.56 min Scan# 1953
 Delta R.T. -0.10 min
 Lab File: BG044081.D
 Acq: 17 Jan 2020 19:18

Tgt Ion	Ratio	Lower	Upper
154	100		
153	0.0	91.6	137.4#
152	0.0	45.4	68.0#



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E

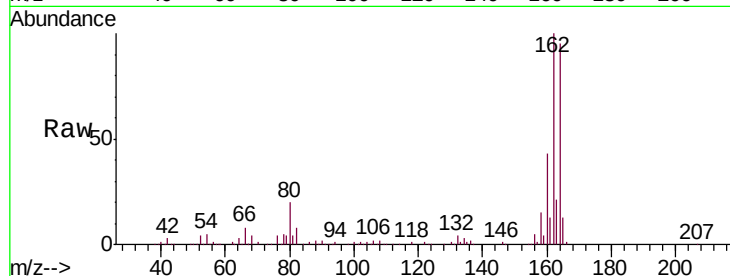




#57
2,4-Dinitrotoluene
Concen: 5.859 ng
RT: 14.57 min Scan# 1954
Delta R.T. -0.38 min
Lab File: BG044081.D
Acq: 17 Jan 2020 19:18

Instrument :
BNA_G
ClientSampleId :
PB126154BL

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	31.9	47.9#
89	1.0	53.8	80.6#
182	0.0	2.0	3.0#



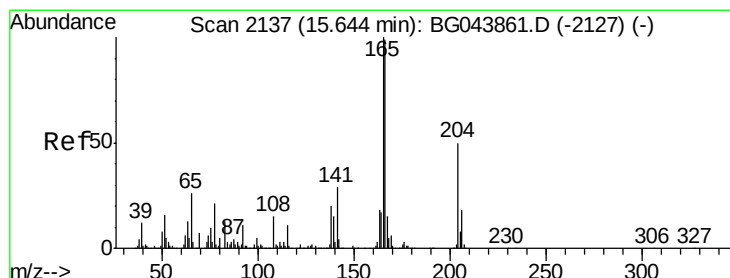
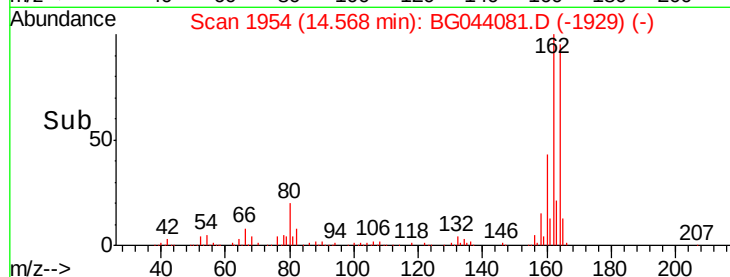
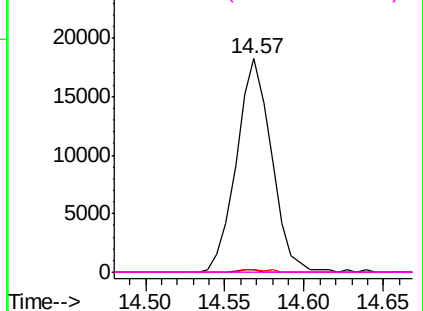
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

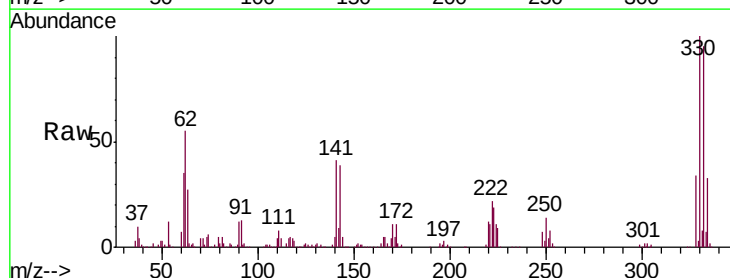
Ion 89.00 (88.70 to 89.70): BG

Ion 182.00 (181.70 to 182.70): E



#58
Fluorene
Concen: 1.364 ng
RT: 16.05 min Scan# 2207
Delta R.T. 0.41 min
Lab File: BG044081.D
Acq: 17 Jan 2020 19:18

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.6	80.8	121.2
167	35.4	12.1	18.1#

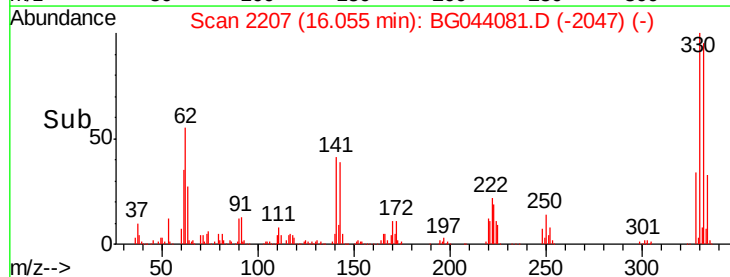
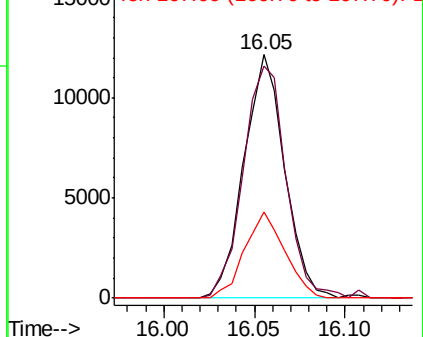


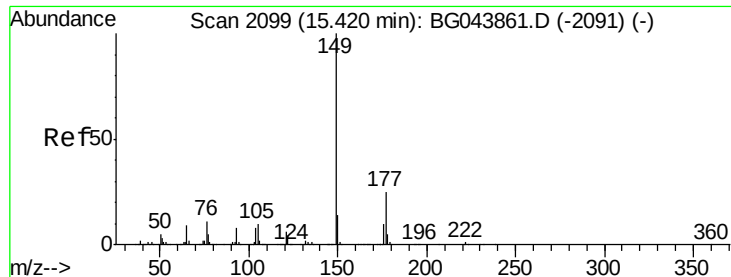
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

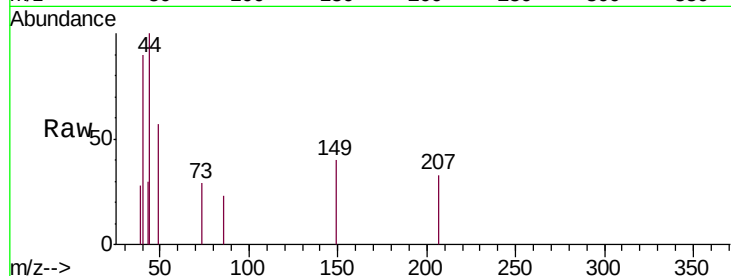




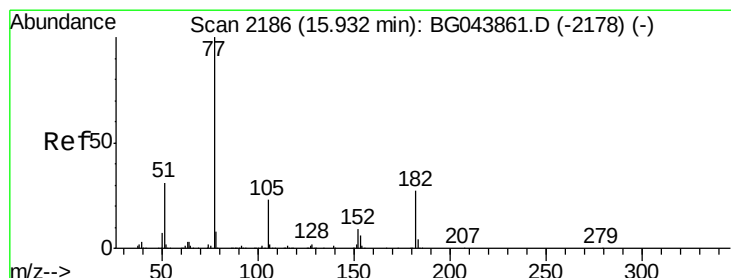
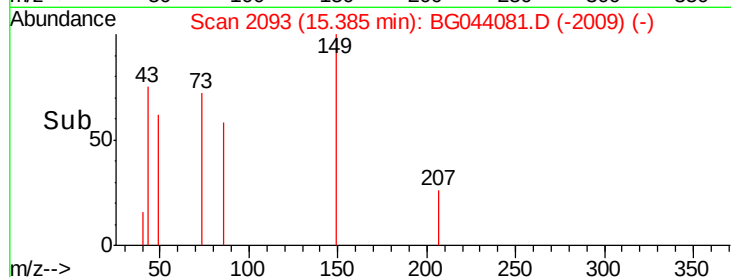
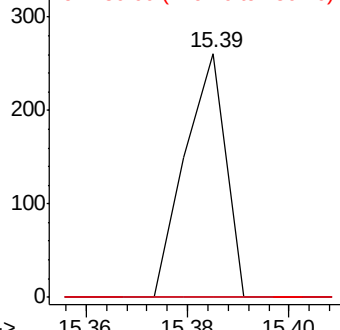
#60
Diethylphthalate
Concen: 0.009 ng
RT: 15.39 min Scan# 2093
Delta R.T. -0.04 min
Lab File: BG044081.D
Acq: 17 Jan 2020 19:18

Instrument :
BNA_G
ClientSampleId :
PB126154BL

Tgt Ion	Ratio	Lower	Upper
149	100		
177	0.0	20.0	30.0#
150	0.0	11.1	16.7#

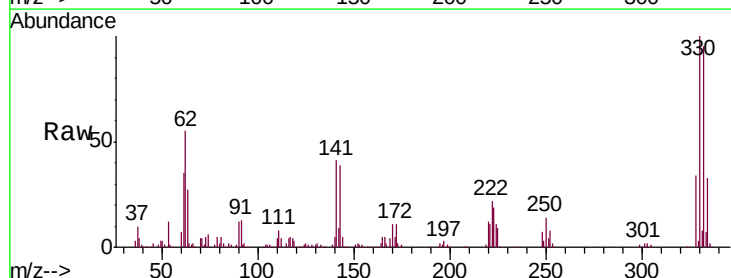


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

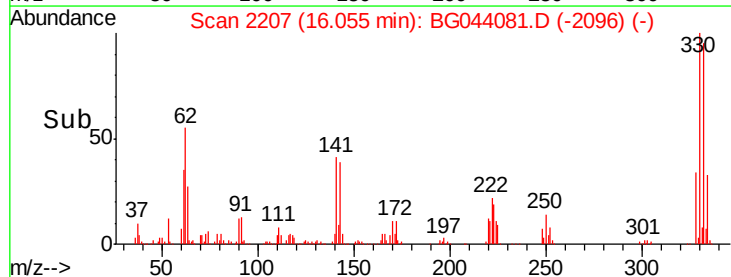
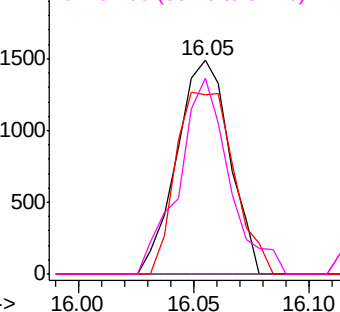


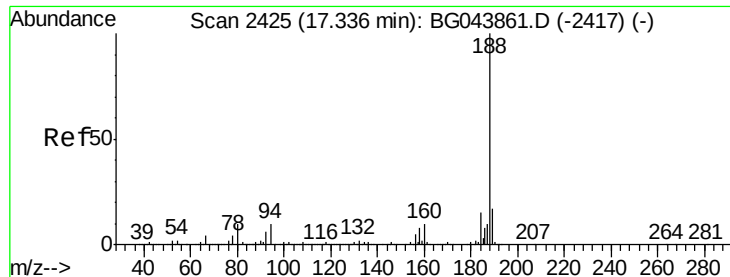
#63
Azobenzene
Concen: 0.165 ng
RT: 16.05 min Scan# 2207
Delta R.T. 0.12 min
Lab File: BG044081.D
Acq: 17 Jan 2020 19:18

Tgt Ion	Ratio	Lower	Upper
77	100		
182	0.0	7.3	47.3#
105	83.6	3.2	43.2#
51	91.5	10.6	50.6#



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

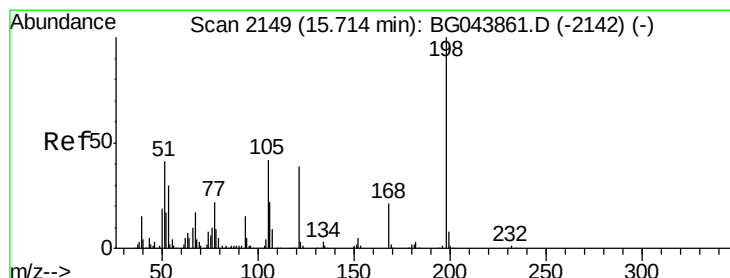
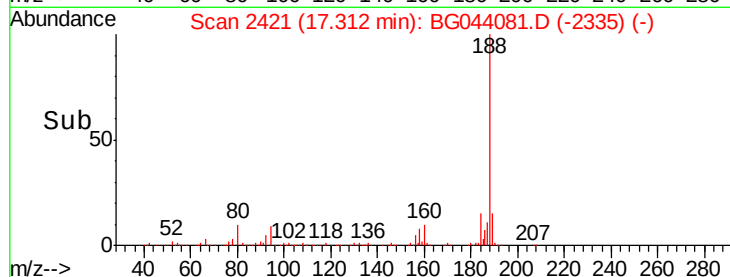
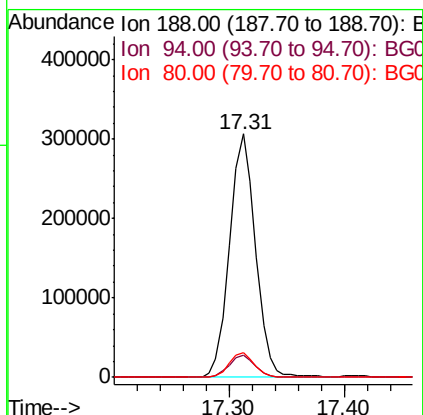
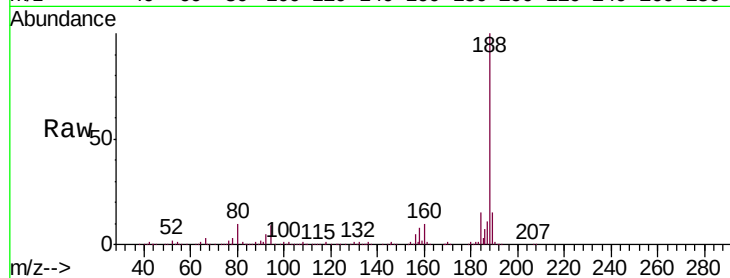




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.31 min Scan# 2421
Delta R.T. -0.02 min
Lab File: BG044081.D
Acq: 17 Jan 2020 19:18

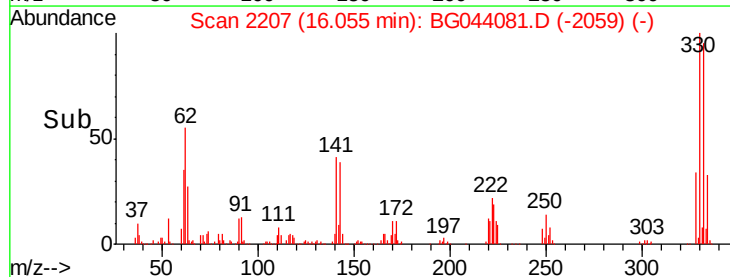
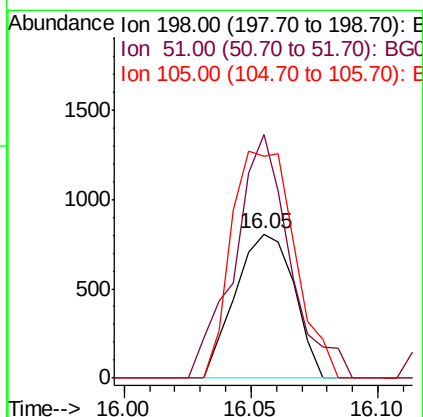
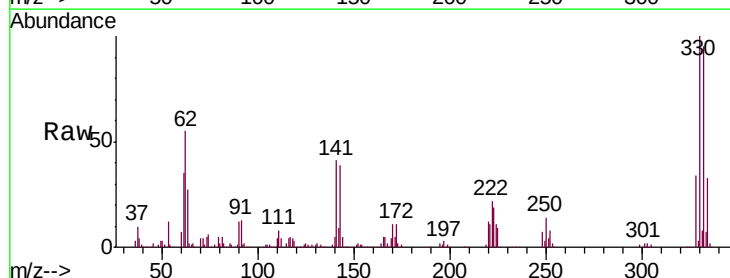
Instrument :
BNA_G
ClientSampleId :
PB126154BL

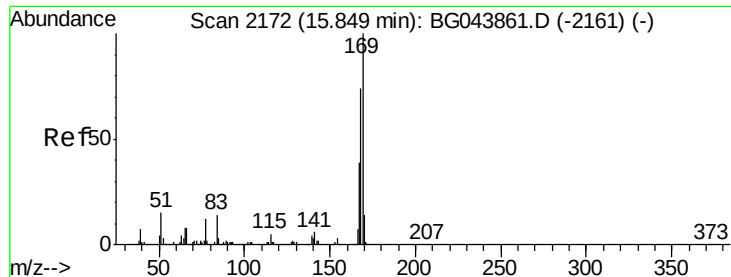
Tgt Ion:188 Resp: 476790
Ion Ratio Lower Upper
188 100
94 9.1 7.9 11.9
80 10.3 8.2 12.4



#65
4,6-Dinitro-2-methylphenol
Concen: 4.871 ng
RT: 16.05 min Scan# 2207
Delta R.T. 0.34 min
Lab File: BG044081.D
Acq: 17 Jan 2020 19:18

Tgt Ion:198 Resp: 1302
Ion Ratio Lower Upper
198 100
51 168.9 22.5 62.5#
105 154.3 22.3 62.3#





#66

n-Nitrosodiphenylamine

Concen: 1.089 ng

RT: 16.05 min Scan# 2207

Delta R.T. 0.21 min

Lab File: BG044081.D

Acq: 17 Jan 2020 19:18

Instrument :

BNA_G

ClientSampleId :

PB126154BL

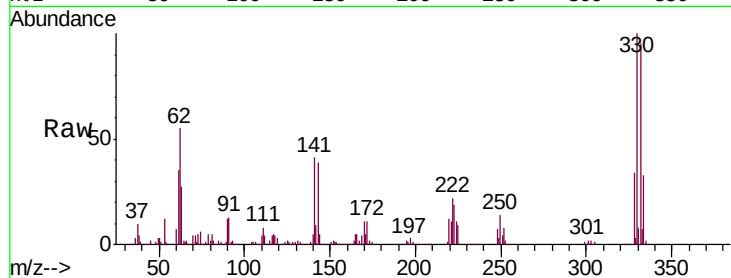
Tgt Ion:169 Resp: 15290

Ion Ratio Lower Upper

169 100

168 6.3 59.0 88.6#

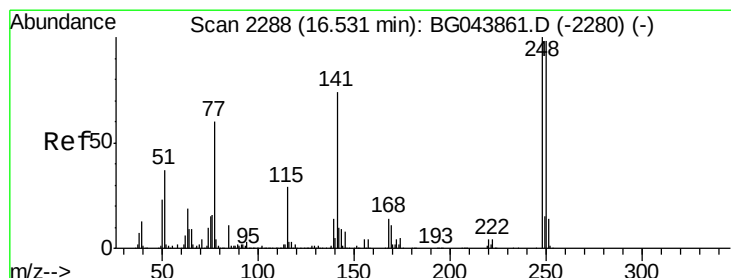
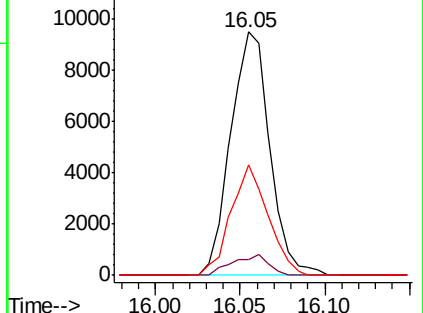
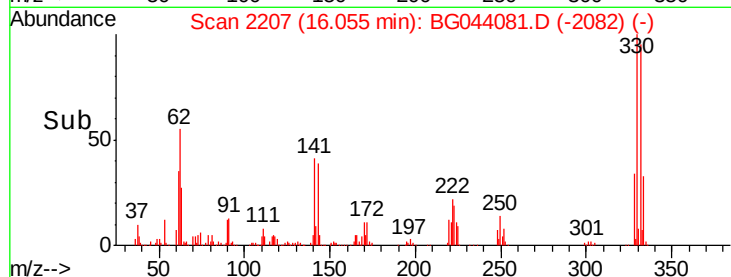
167 45.4 31.4 47.0



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: 5.438 ng

RT: 16.05 min Scan# 2207

Delta R.T. -0.48 min

Lab File: BG044081.D

Acq: 17 Jan 2020 19:18

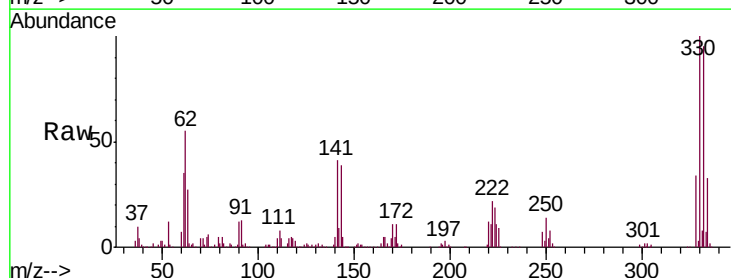
Tgt Ion:248 Resp: 29160

Ion Ratio Lower Upper

248 100

250 190.9 78.2 117.2#

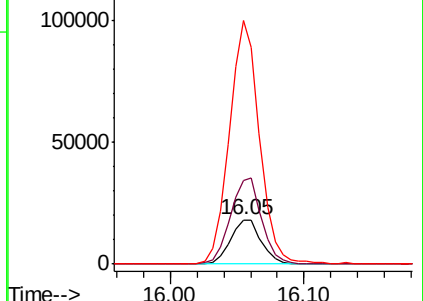
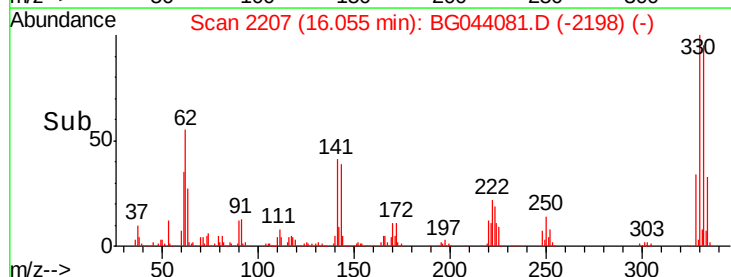
141 553.7 59.3 88.9#

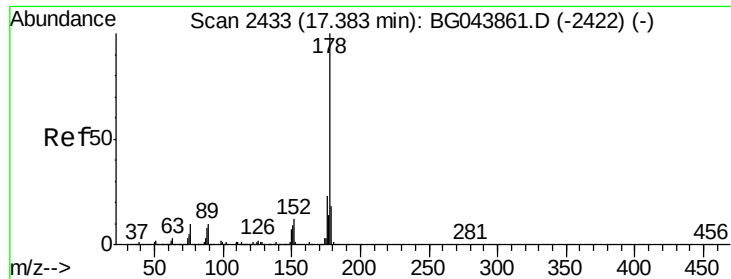


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 0.011 ng

RT: 17.35 min Scan# 2428

Delta R.T. -0.03 min

Lab File: BG044081.D

Acq: 17 Jan 2020 19:18

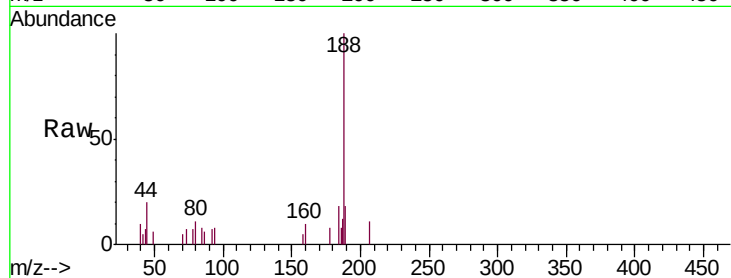
Instrument :

BNA_G

ClientSampleId :

PB126154BL

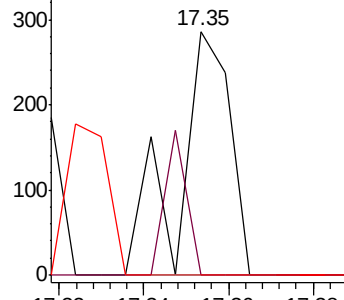
Tgt Ion:	178	Resp:	242
Ion	Ratio	Lower	Upper
178	100		
176	0.0	18.6	28.0#
179	0.0	14.4	21.6#



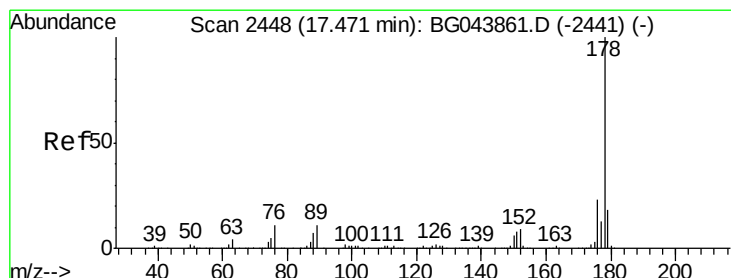
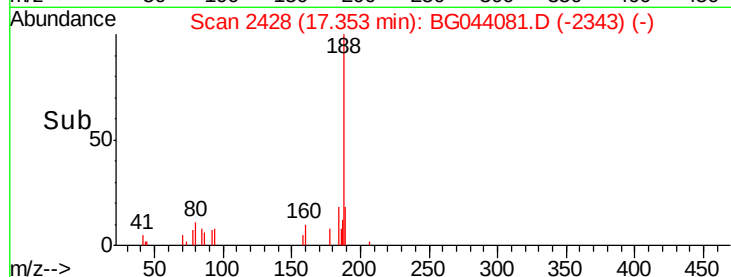
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#72

Anthracene

Concen: 0.011 ng

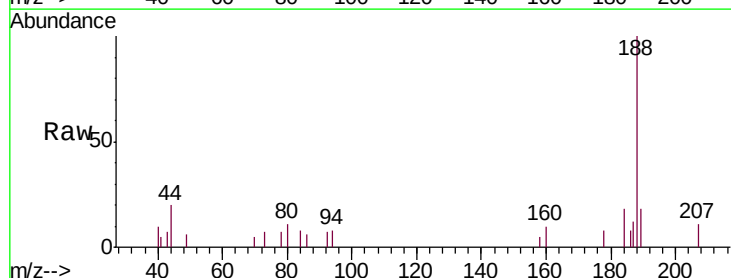
RT: 17.35 min Scan# 2428

Delta R.T. -0.12 min

Lab File: BG044081.D

Acq: 17 Jan 2020 19:18

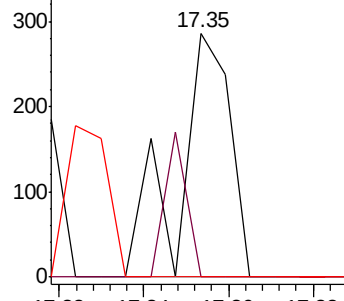
Tgt Ion:	178	Resp:	242
Ion	Ratio	Lower	Upper
178	100		
176	0.0	18.3	27.5#
179	0.0	14.6	22.0#



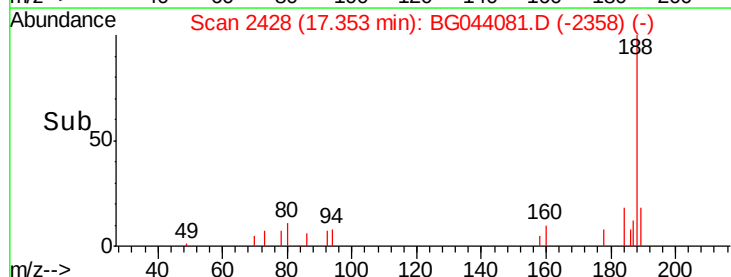
Abundance Ion 178.00 (177.70 to 178.70): E

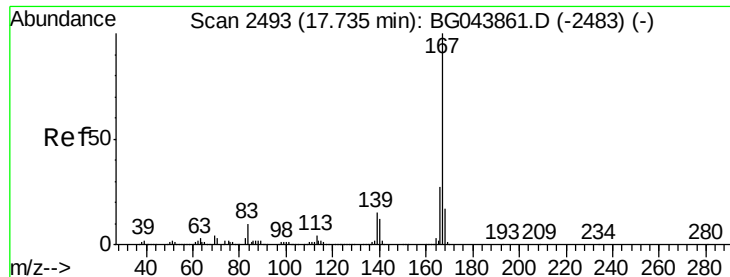
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->

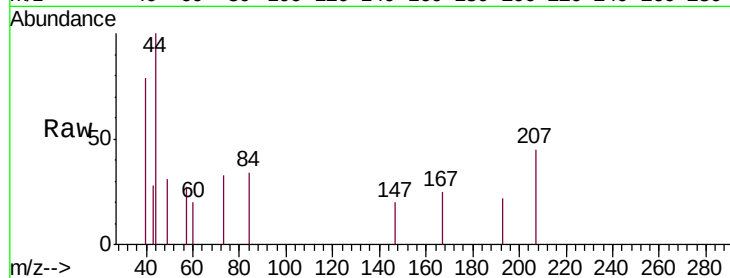




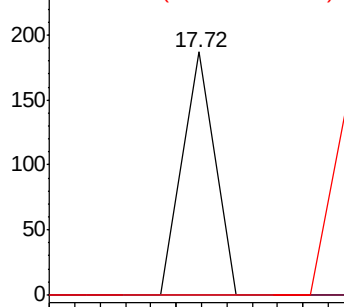
#73
 Carbazole
 Concen: 0.003 ng
 RT: 17.72 min Scan# 2491
 Delta R.T. -0.01 min
 Lab File: BG044081.D
 Acq: 17 Jan 2020 19:18

Instrument :
 BNA_G
 ClientSampleId :
 PB126154BL

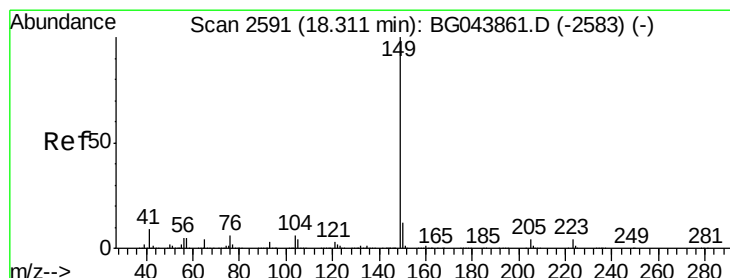
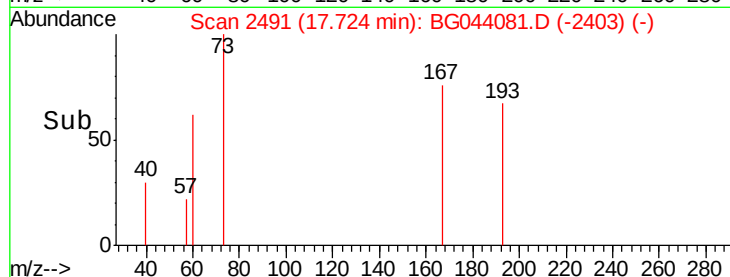
Tgt Ion	Ratio	Lower	Upper
167	100		
166	0.0	21.6	32.4#
139	0.0	12.1	18.1#



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

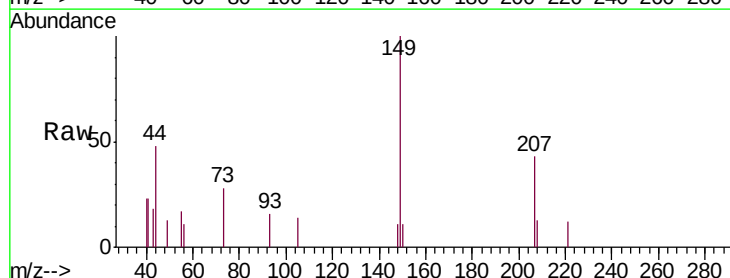


Time--> 17.70 17.72 17.74

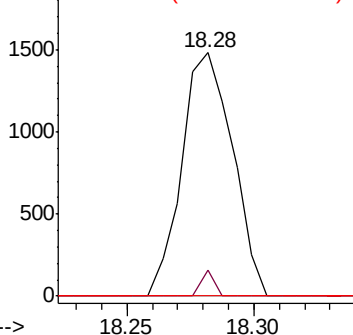


#74
 Di-n-butylphthalate
 Concen: 0.078 ng
 RT: 18.28 min Scan# 2586
 Delta R.T. -0.03 min
 Lab File: BG044081.D
 Acq: 17 Jan 2020 19:18

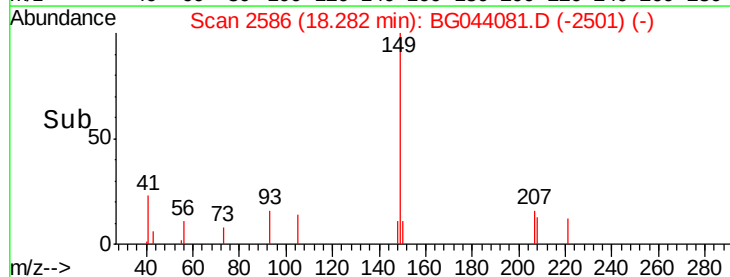
Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.5	9.7	14.5
104	0.0	5.0	7.4#

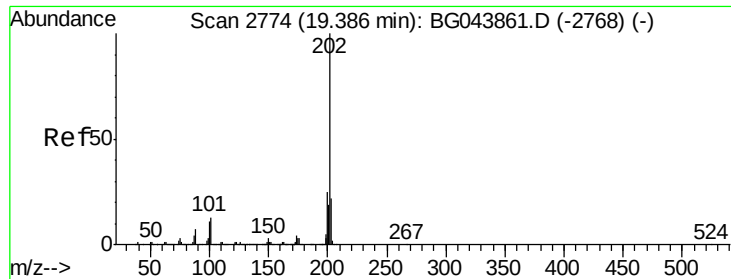


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E



Time--> 18.25 18.30





#75

Fluoranthene

Concen: 0.026 ng

RT: 19.37 min Scan# 2771

Delta R.T. -0.02 min

Lab File: BG044081.D

Acq: 17 Jan 2020 19:18

Instrument :

BNA_G

ClientSampleId :

PB126154BL

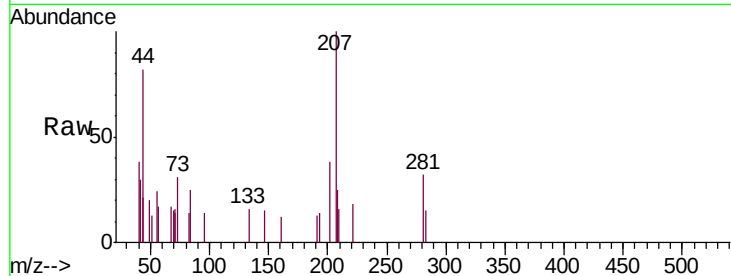
Tgt Ion:202 Resp: 673

Ion Ratio Lower Upper

202 100

101 0.0 0.0 33.3

203 0.0 1.6 41.6#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

19.37

400

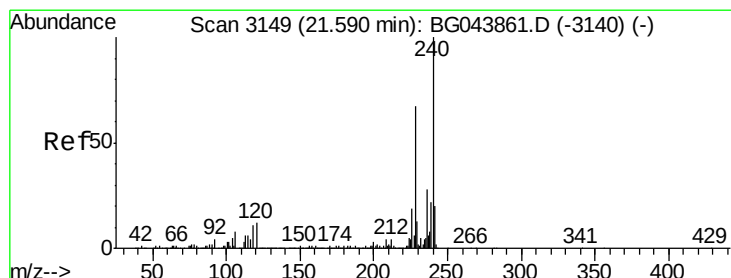
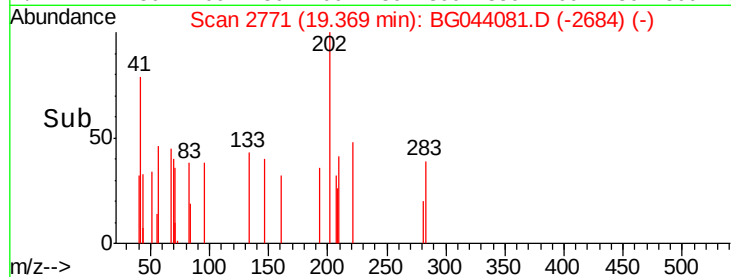
200

0

19.35

19.40

Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.56 min Scan# 3144

Delta R.T. -0.03 min

Lab File: BG044081.D

Acq: 17 Jan 2020 19:18

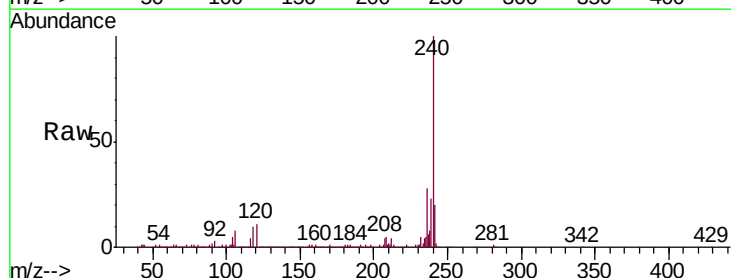
Tgt Ion:240 Resp: 401841

Ion Ratio Lower Upper

240 100

120 10.7 9.6 14.4

236 28.3 22.2 33.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

21.56

300000

250000

200000

150000

100000

50000

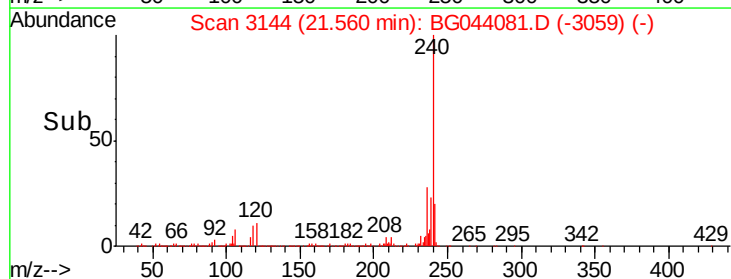
0

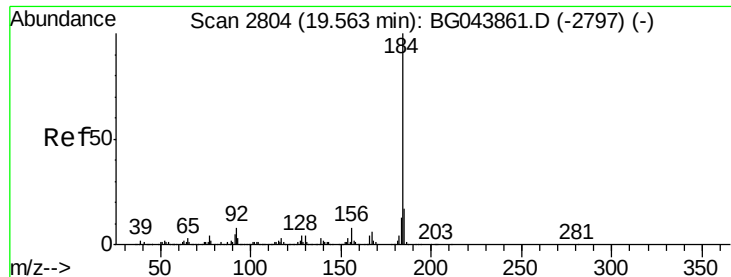
21.50

21.60

21.70

Time-->





#77

Benzidine

Concen: 3.335 ng

RT: 19.93 min Scan# 2866

Delta R.T. 0.36 min

Lab File: BG044081.D

Acq: 17 Jan 2020 19:18

Instrument :

BNA_G

ClientSampleId :

PB126154BL

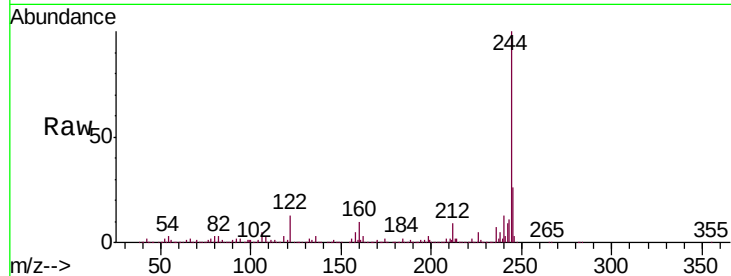
Tgt Ion:184 Resp: 33686

Ion Ratio Lower Upper

184 100

185 15.5 13.4 20.0

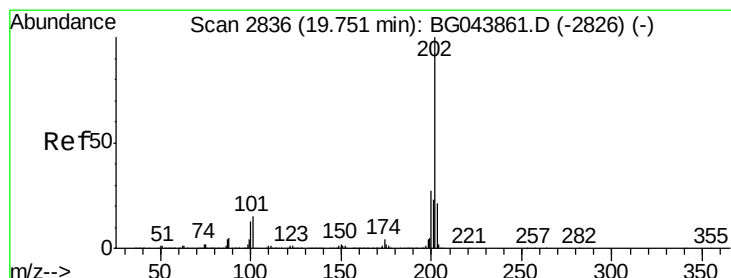
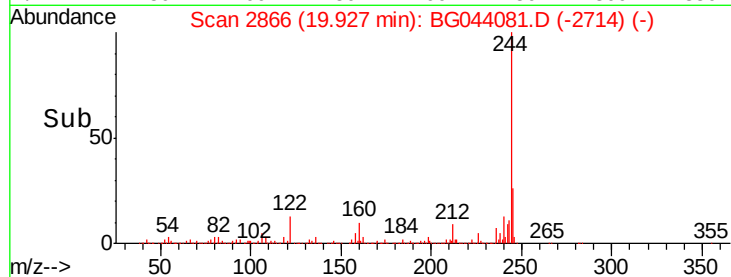
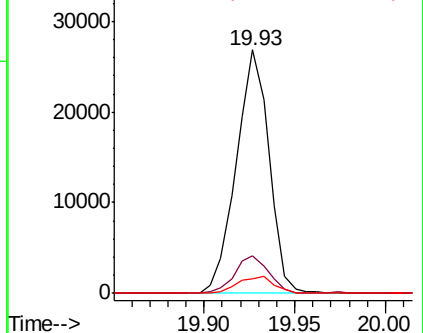
183 5.9 10.6 15.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 0.030 ng

RT: 19.73 min Scan# 2833

Delta R.T. -0.02 min

Lab File: BG044081.D

Acq: 17 Jan 2020 19:18

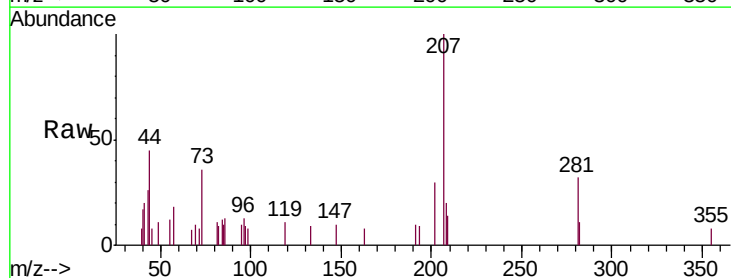
Tgt Ion:202 Resp: 782

Ion Ratio Lower Upper

202 100

200 0.0 21.7 32.5#

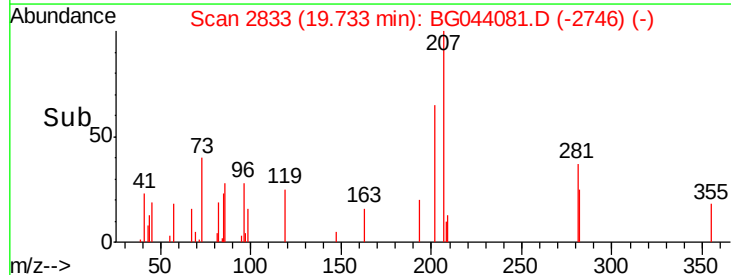
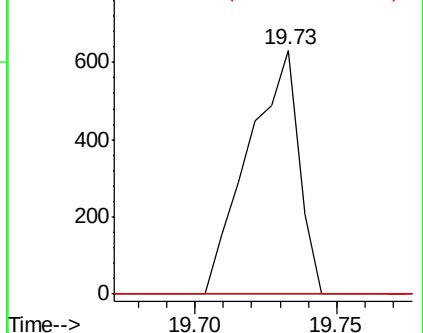
203 0.0 17.0 25.6#

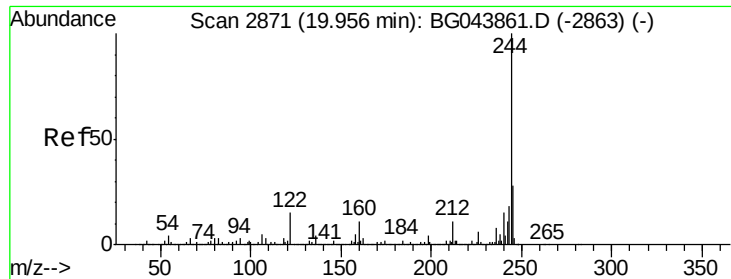


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

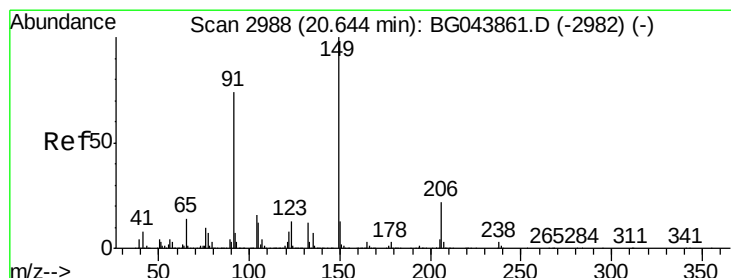
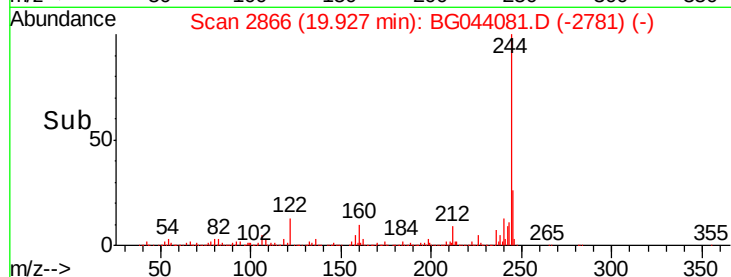
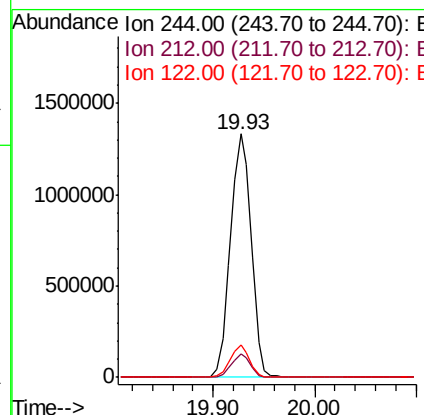
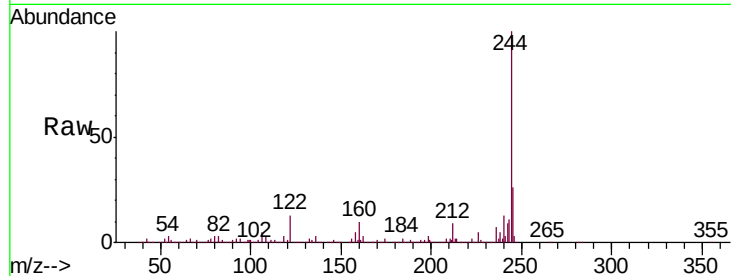




#79
 Terphenyl-d14
 Concen: 129.681 ng
 RT: 19.93 min Scan# 2866
 Delta R.T. -0.03 min
 Lab File: BG044081.D
 Acq: 17 Jan 2020 19:18

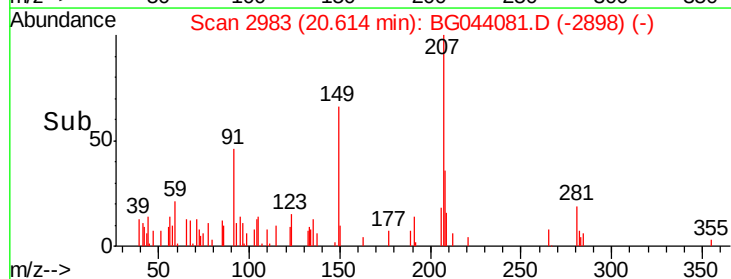
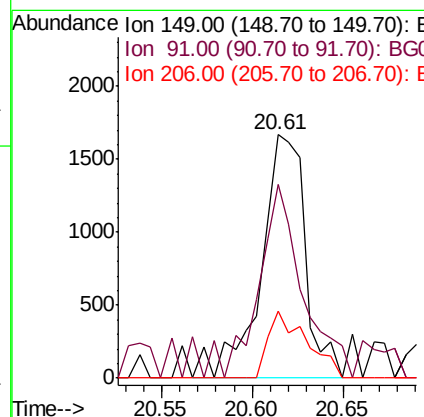
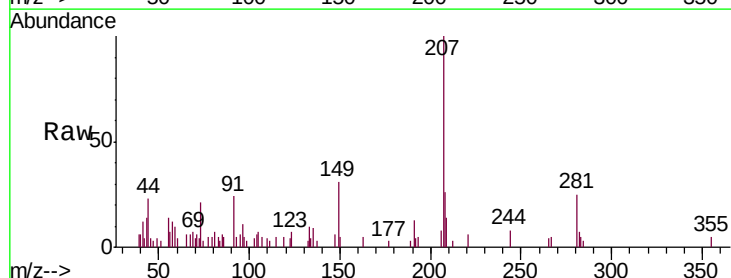
Instrument :
 BNA_G
 ClientSampleId :
 PB126154BL

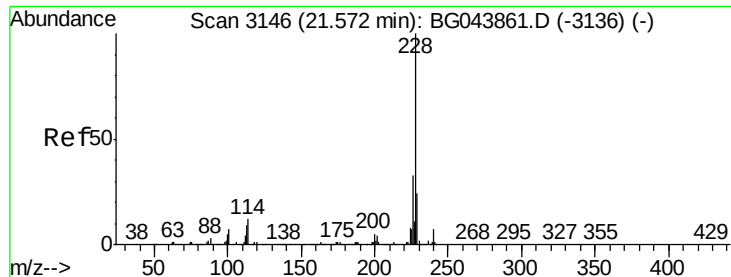
Tgt Ion:244 Resp: 1899741
 Ion Ratio Lower Upper
 244 100
 212 9.4 8.6 13.0
 122 13.3 11.9 17.9



#80
 Butylbenzylphthalate
 Concen: 0.228 ng
 RT: 20.61 min Scan# 2983
 Delta R.T. -0.03 min
 Lab File: BG044081.D
 Acq: 17 Jan 2020 19:18

Tgt Ion:149 Resp: 2848
 Ion Ratio Lower Upper
 149 100
 91 79.7 59.5 89.3
 206 27.5 17.8 26.6#





#81

Benzo(a)anthracene

Concen: 0.199 ng

RT: 21.54 min Scan# 3141

Delta R.T. -0.03 min

Lab File: BG044081.D

Acq: 17 Jan 2020 19:18

Instrument :

BNA_G

ClientSampleId :

PB126154BL

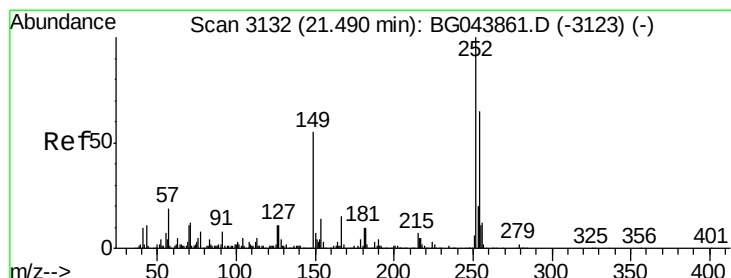
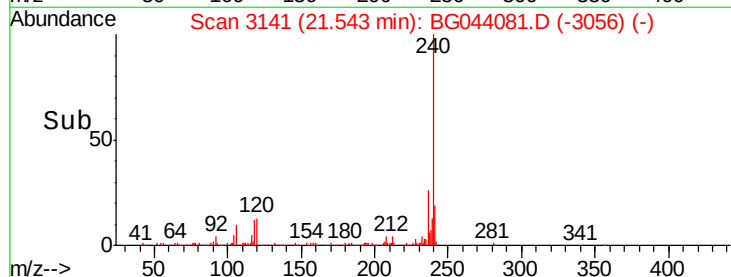
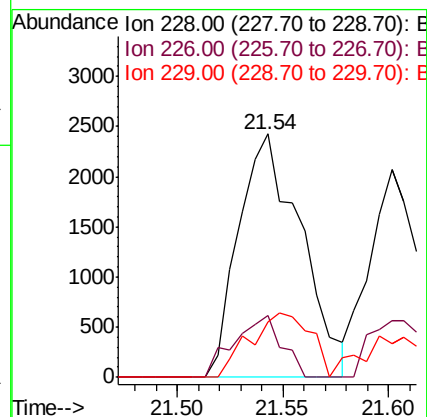
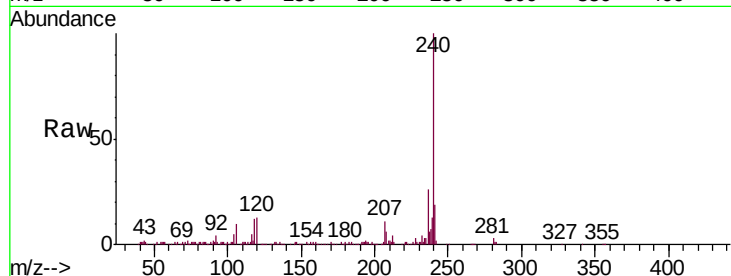
Tgt Ion:228 Resp: 4958

Ion Ratio Lower Upper

228 100

226 25.4 26.2 39.4#

229 22.7 18.9 28.3



#82

3,3'-Dichlorobenzidine

Concen: 0.126 ng

RT: 21.47 min Scan# 3129

Delta R.T. -0.02 min

Lab File: BG044081.D

Acq: 17 Jan 2020 19:18

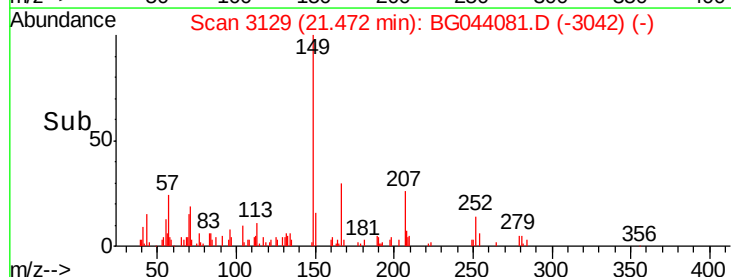
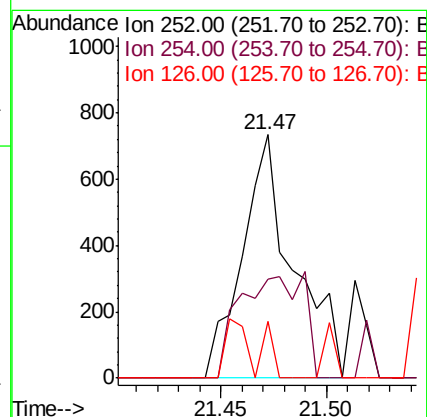
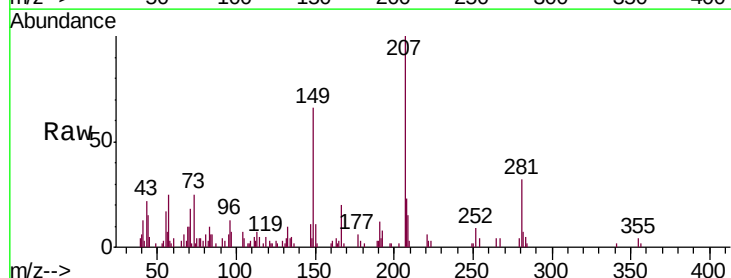
Tgt Ion:252 Resp: 1238

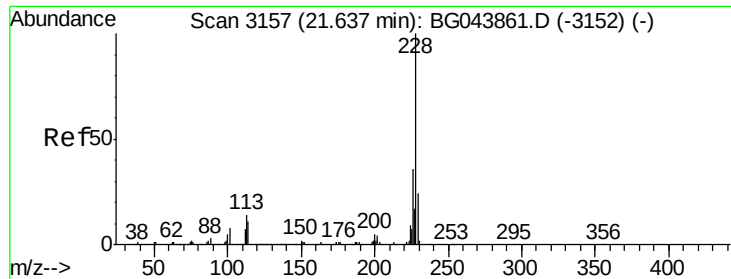
Ion Ratio Lower Upper

252 100

254 40.9 52.1 78.1#

126 23.3 9.1 13.7#





#83

Chrysene

Concen: 0.150 ng

RT: 21.60 min Scan# 3151

Delta R.T. -0.04 min

Lab File: BG044081.D

Acq: 17 Jan 2020 19:18

Instrument :

BNA_G

ClientSampleId :

PB126154BL

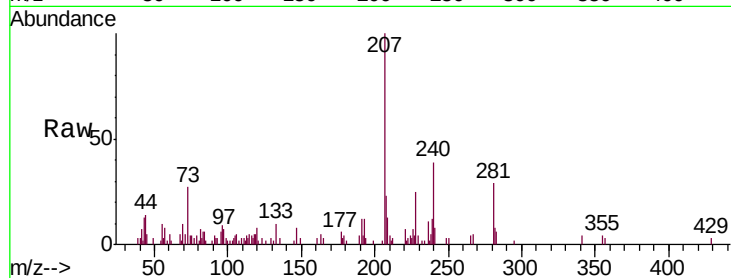
Tgt Ion:228 Resp: 3563

Ion Ratio Lower Upper

228 100

226 27.0 28.8 43.2#

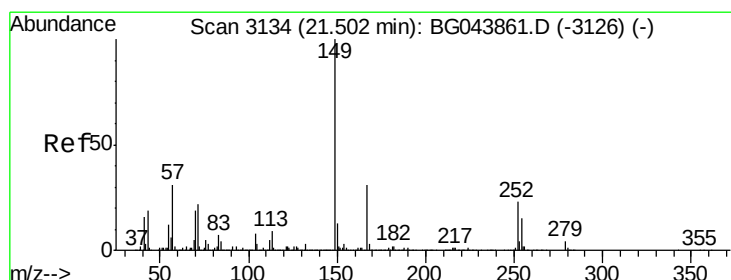
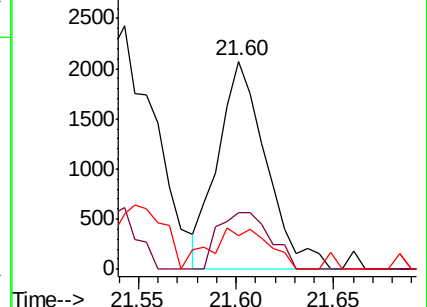
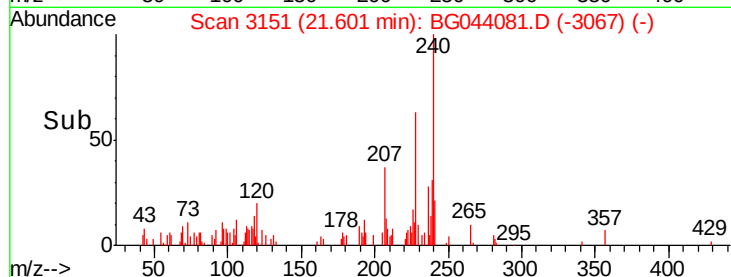
229 16.1 19.0 28.6#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 0.602 ng

RT: 21.47 min Scan# 3128

Delta R.T. -0.04 min

Lab File: BG044081.D

Acq: 17 Jan 2020 19:18

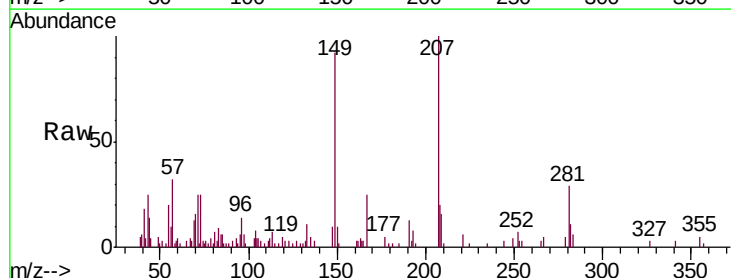
Tgt Ion:149 Resp: 10372

Ion Ratio Lower Upper

149 100

167 26.8 24.7 37.1

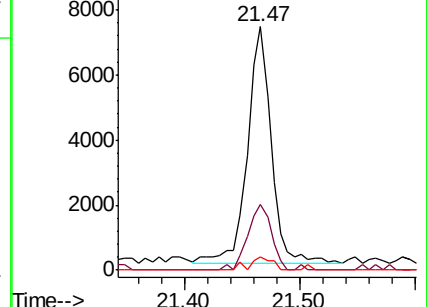
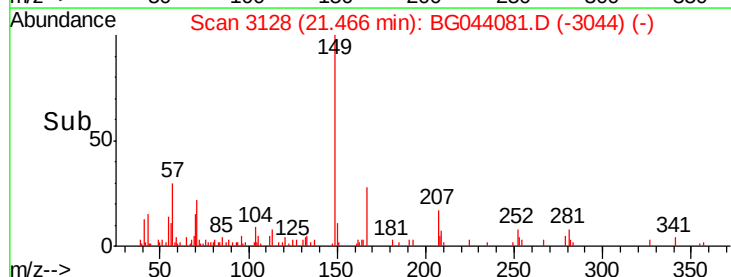
279 5.3 3.3 4.9#

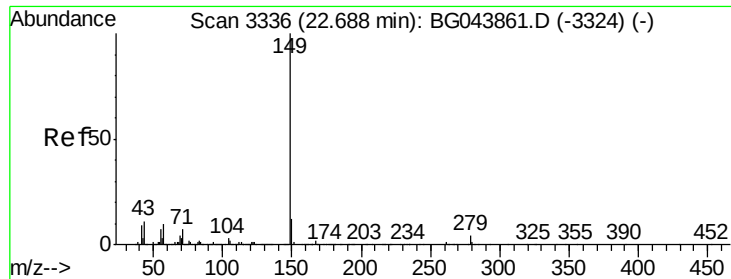


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 0.557 ng

RT: 22.64 min Scan# 3327

Delta R.T. -0.05 min

Lab File: BG044081.D

Acq: 17 Jan 2020 19:18

Instrument :

BNA_G

ClientSampleId :

PB126154BL

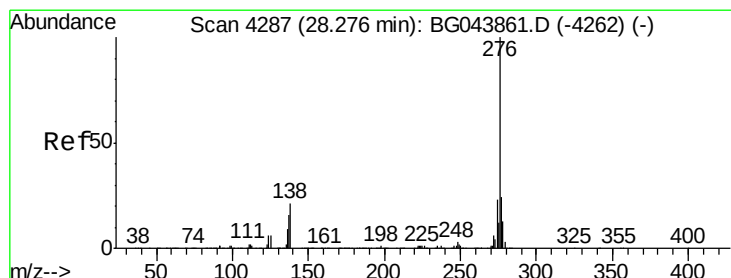
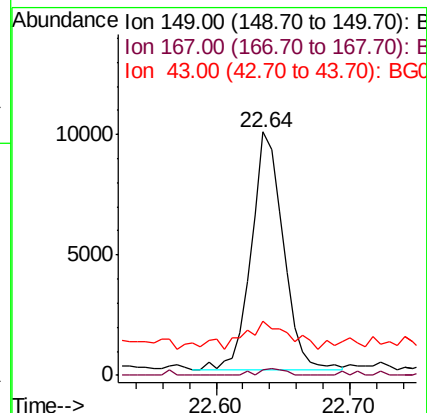
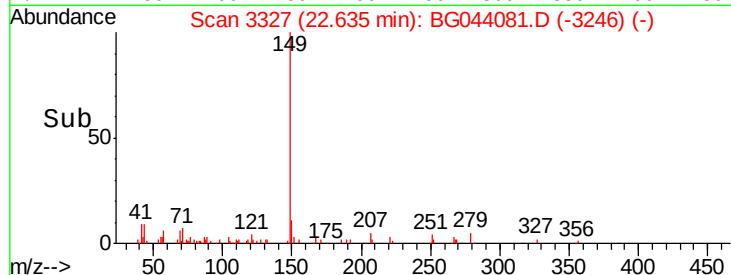
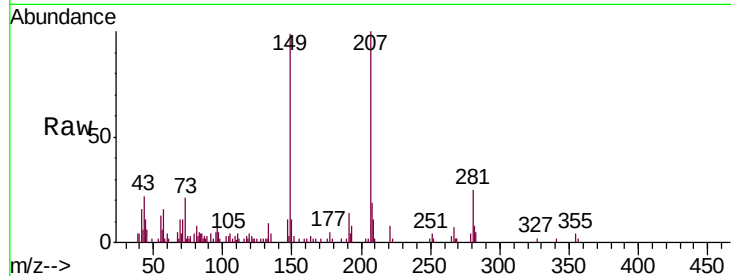
Tgt Ion:149 Resp: 16134

Ion Ratio Lower Upper

149 100

167 2.5 1.4 2.0#

43 16.3 8.8 13.2#



#86

Indeno(1,2,3-cd)pyrene

Concen: 0.007 ng

RT: 28.26 min Scan# 4284

Delta R.T. -0.02 min

Lab File: BG044081.D

Acq: 17 Jan 2020 19:18

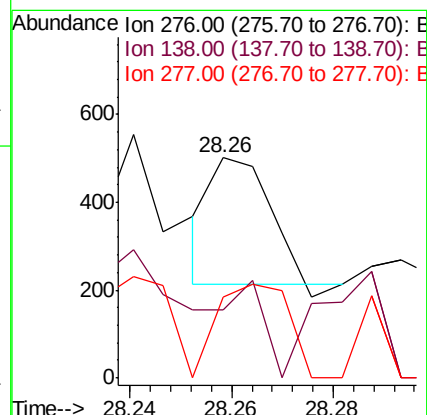
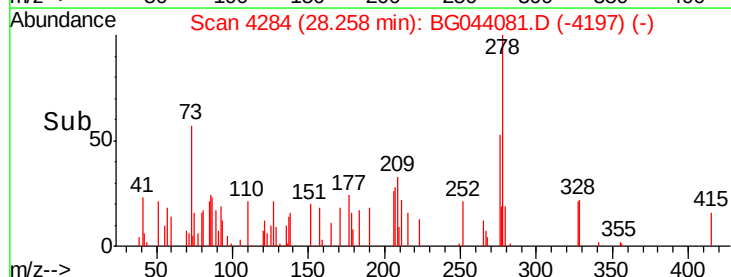
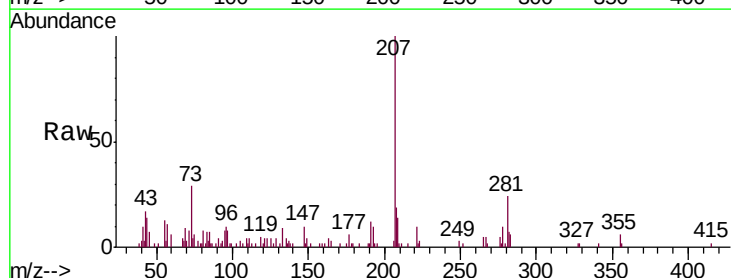
Tgt Ion:276 Resp: 226

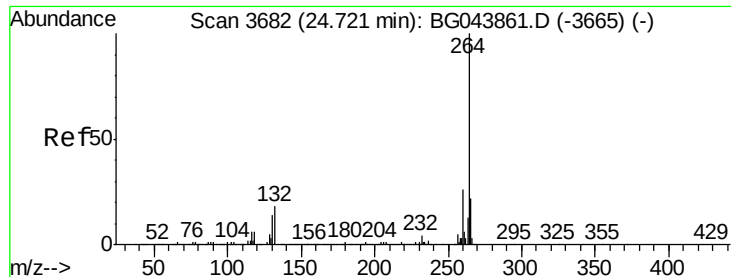
Ion Ratio Lower Upper

276 100

138 0.0 21.0 31.4#

277 93.4 21.1 31.7#





#87

Perylene-d12

Concen: 20.000 ng

RT: 24.67 min Scan# 3673

Delta R.T. -0.05 min

Lab File: BG044081.D

Acq: 17 Jan 2020 19:18

Instrument :

BNA_G

ClientSampleId :

PB126154BL

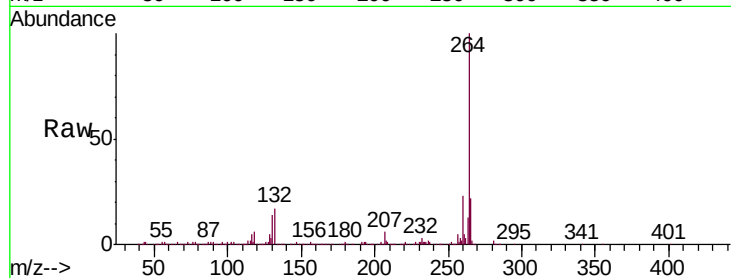
Tgt Ion:264 Resp: 444604

Ion Ratio Lower Upper

264 100

260 23.2 20.4 30.6

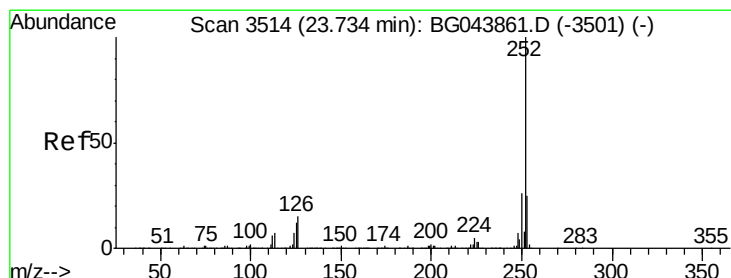
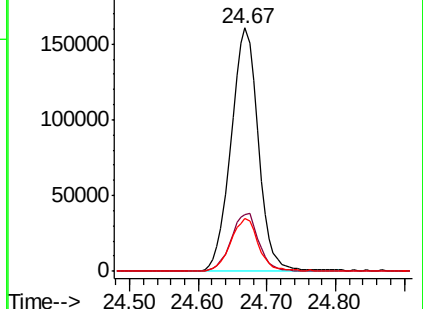
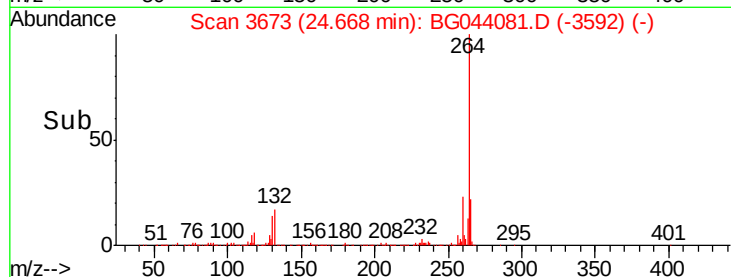
265 21.8 17.4 26.2



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 0.215 ng

RT: 23.69 min Scan# 3507

Delta R.T. -0.04 min

Lab File: BG044081.D

Acq: 17 Jan 2020 19:18

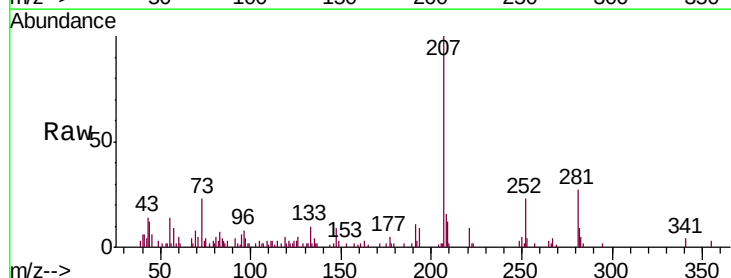
Tgt Ion:252 Resp: 5658

Ion Ratio Lower Upper

252 100

253 19.0 19.7 29.5#

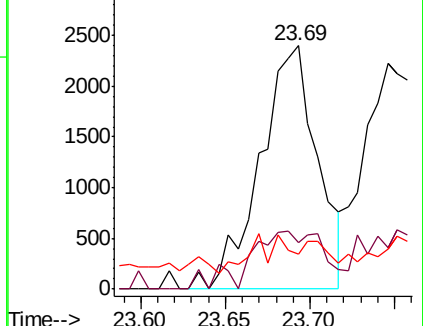
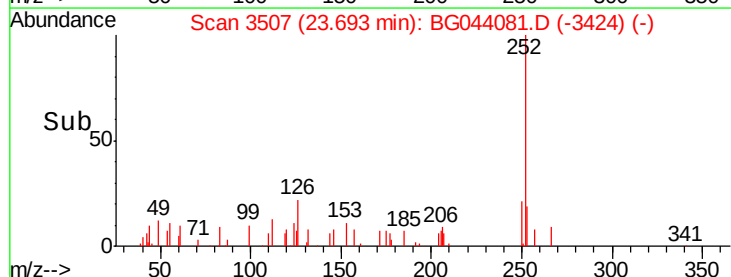
125 14.2 9.4 14.2#

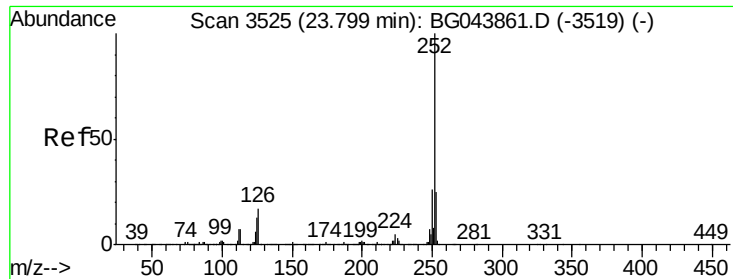


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 0.222 ng

RT: 23.75 min Scan# 3516

Delta R.T. -0.05 min

Lab File: BG044081.D

Acq: 17 Jan 2020 19:18

Instrument :

BNA_G

ClientSampleId :

PB126154BL

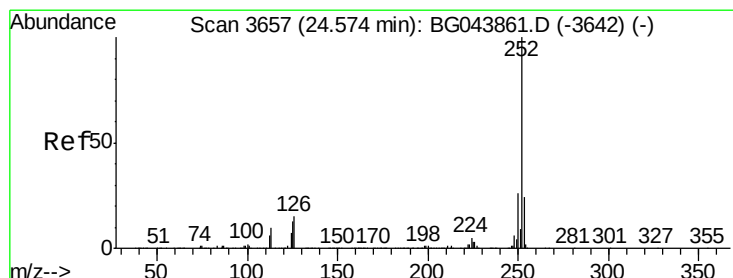
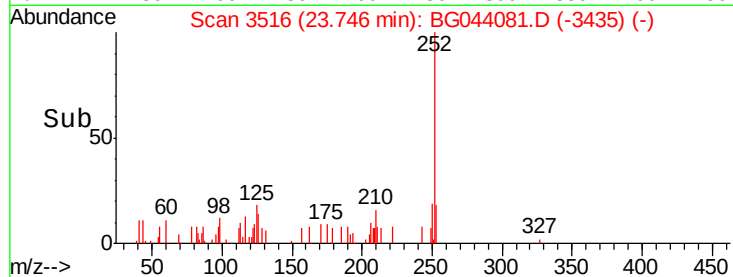
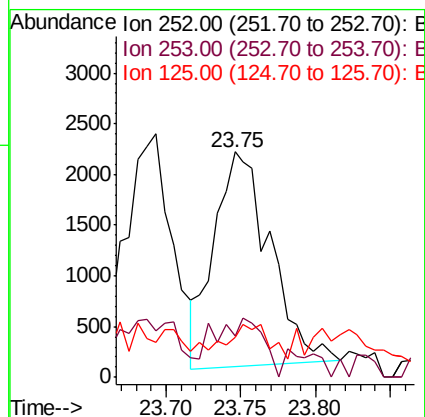
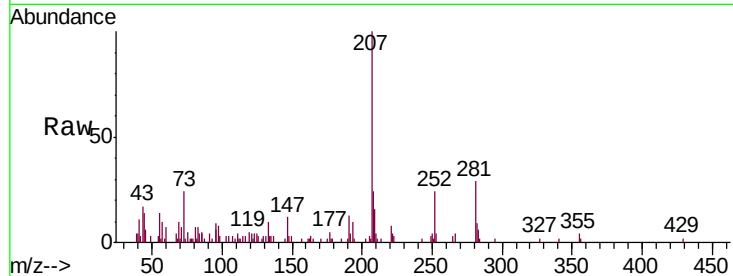
Tgt Ion:252 Resp: 5545

Ion Ratio Lower Upper

252 100

253 18.4 19.4 29.2#

125 17.9 9.9 14.9#



#90

Benzo(a)pyrene

Concen: 0.222 ng

RT: 24.51 min Scan# 3646

Delta R.T. -0.06 min

Lab File: BG044081.D

Acq: 17 Jan 2020 19:18

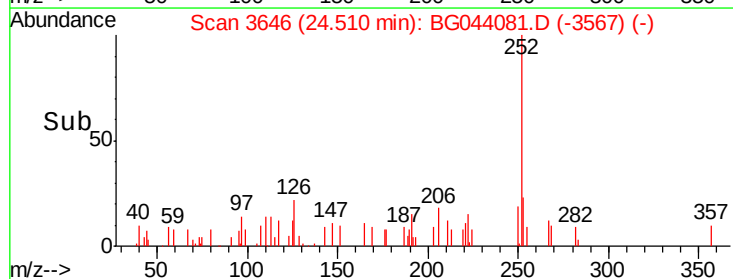
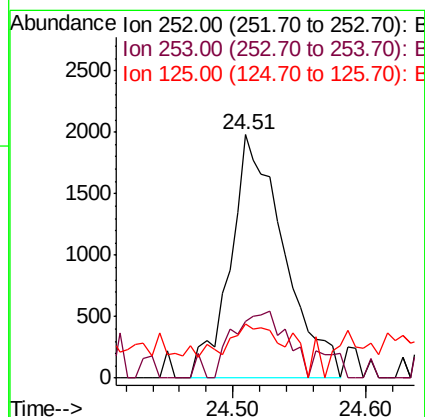
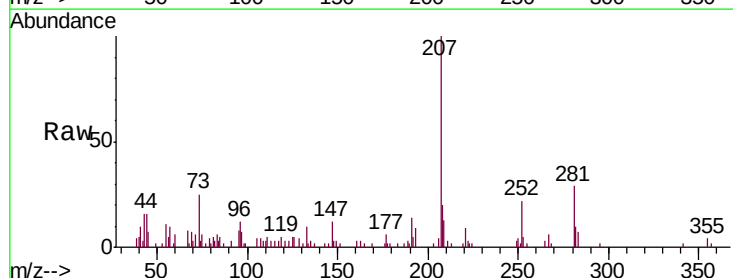
Tgt Ion:252 Resp: 5504

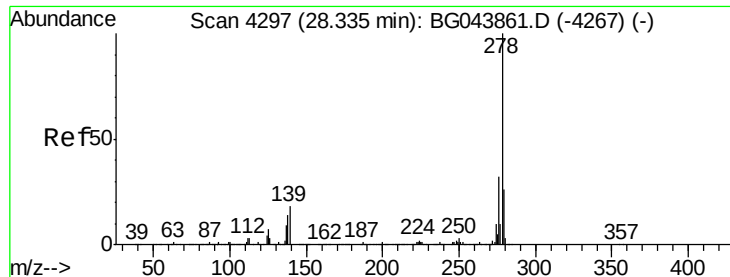
Ion Ratio Lower Upper

252 100

253 23.1 19.3 28.9

125 22.1 10.4 15.6#





#91

Dibenzo(a,h)anthracene

Concen: 0.162 ng

RT: 28.26 min Scan# 4284

Delta R.T. -0.08 min

Lab File: BG044081.D

Acq: 17 Jan 2020 19:18

Instrument :

BNA_G

ClientSampleId :

PB126154BL

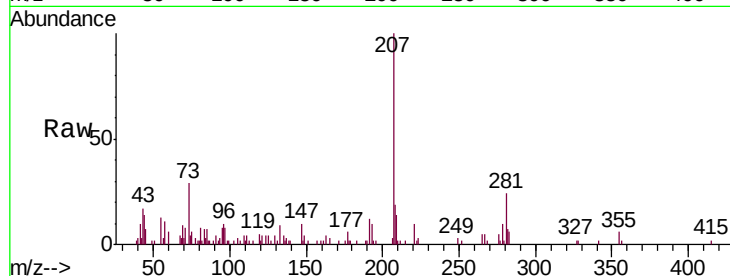
Tgt Ion:278 Resp: 4027

Ion Ratio Lower Upper

278 100

139 18.4 14.2 21.4

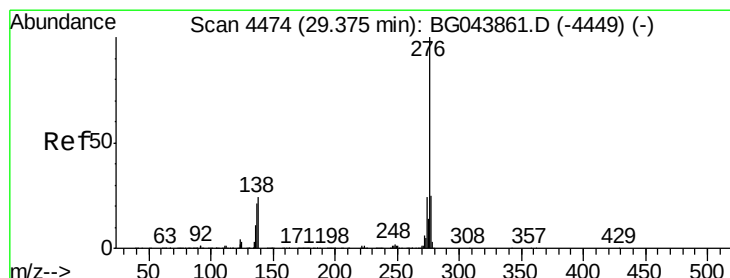
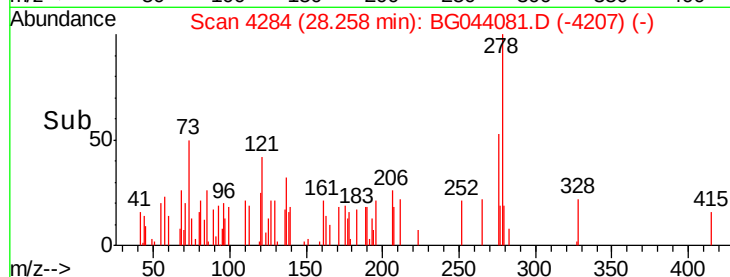
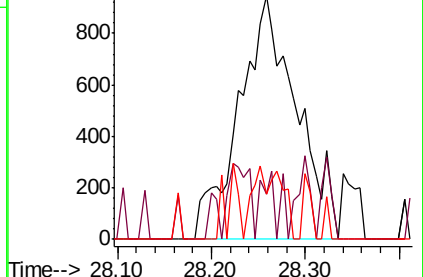
279 18.6 20.6 30.8#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 0.086 ng

RT: 29.27 min Scan# 4457

Delta R.T. -0.10 min

Lab File: BG044081.D

Acq: 17 Jan 2020 19:18

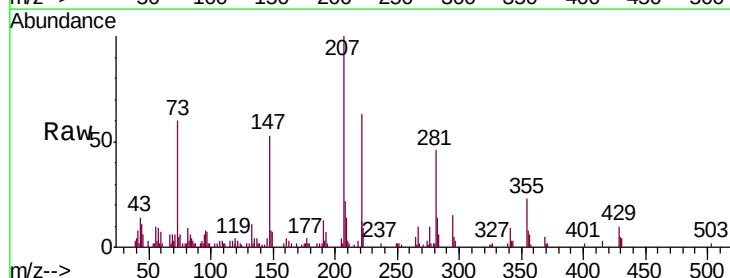
Tgt Ion:276 Resp: 2140

Ion Ratio Lower Upper

276 100

277 20.7 20.2 30.4

138 20.7 19.0 28.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

