

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG013120\
 Data File : BG044267.D
 Acq On : 31 Jan 2020 19:44
 Operator : CG/JU
 Sample : L1331-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 31 23:32:25 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	67992	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	305347	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	228160	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	524982	20.00	ng	0.00
76) Chrysene-d12	21.54	240	469365	20.00	ng	0.00
87) Perylene-d12	24.64	264	500455	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	394730	102.46	ng	0.00
7) Phenol-d6	7.09	99	552202	106.74	ng	0.00
23) Nitrobenzene-d5	9.07	82	333599	61.68	ng	0.00
42) 2,4,6-Tribromophenol	16.04	330	245781	91.76	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	878392	64.47	ng	0.00
79) Terphenyl-d14	19.91	244	1469951	64.42	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.42	88	255	0.147	ng	# 24
3) Pyridine	3.89	79	53	0.011	ng	# 1
4) n-Nitrosodimethylamine	3.71	42	453	0.235	ng	# 1
6) Aniline	7.11	93	411	0.064	ng	# 1
9) Benzaldehyde	7.09	77	944	0.320	ng	# 1
10) Phenol	7.11	94	25985	5.075	ng	# 89
11) bis(2-Chloroethyl)ether	7.11	93	411	0.094	ng	# 1
15) Benzyl Alcohol	8.24	79	5355	1.462	ng	# 52
16) 2,2'-oxybis(1-Chloropropan	8.16	45	55	0.009	ng	# 67
19) n-Nitroso-di-n-propylamine	9.07	70	41601	12.066	ng	# 77
22) Acetophenone	8.74	105	139	0.019	ng	# 54
24) Nitrobenzene	9.06	77	980	0.186	ng	# 32
25) Isophorone	9.62	82	189	0.019	ng	# 64
31) Naphthalene	10.76	128	60	0.004	ng	# 67
46) 1,1'-Biphenyl	13.38	154	2122	0.129	ng	# 91
48) 2-Nitroaniline	14.00	65	1157	0.299	ng	# 1
50) Dimethylphthalate	14.01	163	137166	8.363	ng	# 99
51) 2,6-Dinitrotoluene	14.00	165	1206	0.330	ng	# 1
52) Acenaphthene	14.55	154	1055	0.085	ng	# 5
57) 2,4-Dinitrotoluene	14.55	165	30281	5.908	ng	# 27
58) Fluorene	16.04	166	10752	0.724	ng	# 74
60) Diethylphthalate	15.38	149	153	0.009	ng	# 57
62) 4-Nitroaniline	16.03	138	71	0.018	ng	# 1
63) Azobenzene	16.04	77	1261	0.088	ng	# 14
65) 4,6-Dinitro-2-methylphenol	16.04	198	791	0.273	ng	# 1
66) n-Nitrosodiphenylamine	16.04	169	8916	0.606	ng	# 49
67) 4-Bromophenyl-phenylether	16.04	248	16455	2.877	ng	# 1
71) Phenanthrene	17.33	178	269	0.011	ng	# 57
72) Anthracene	17.33	178	269	0.011	ng	# 57
74) Di-n-butylphthalate	18.27	149	782	0.027	ng	# 75
77) Benzidine	19.91	184	23655	1.817	ng	# 91
78) Pvrene	19.91	202	5027	0.167	ng	# 71
80) Butylbenzylphthalate	20.61	149	124	0.009	ng	# 25
81) Benzo(a)anthracene	21.55	228	1351	0.047	ng	# 52

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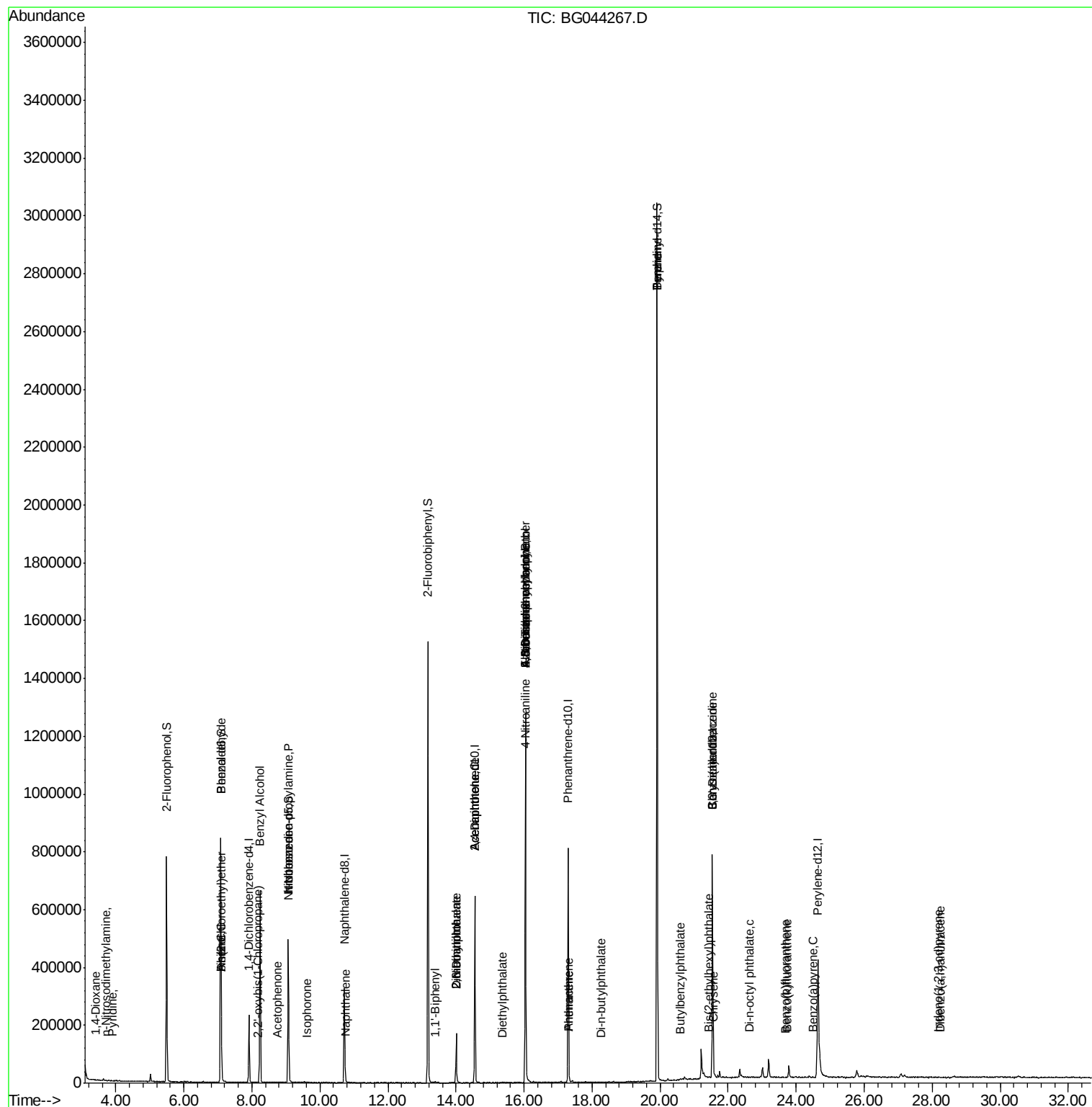
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 3,3'-Dichlorobenzidine	21.53	252	55	0.005	ng	# 1
83) Chrysene	21.58	228	60	0.002	ng	# 46
84) Bis(2-ethylhexyl)phthalate	21.45	149	2920	0.154	ng	# 76
85) Di-n-octyl phthalate	22.63	149	990	0.030	ng	# 1
86) Indeno(1,2,3-cd)pyrene	28.19	276	54	0.001	ng	# 50
88) Benzo(b)fluoranthene	23.68	252	564	0.020	ng	# 70
89) Benzo(k)fluoranthene	23.73	252	579	0.021	ng	# 48
90) Benzo(a)pyrene	24.49	252	625	0.023	ng	# 59
91) Dibenzo(a,h)anthracene	28.24	278	54	0.002	ng	# 56

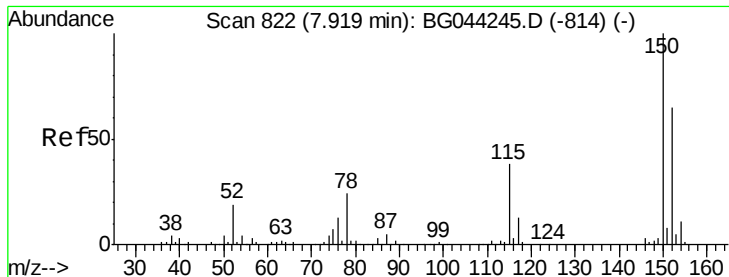
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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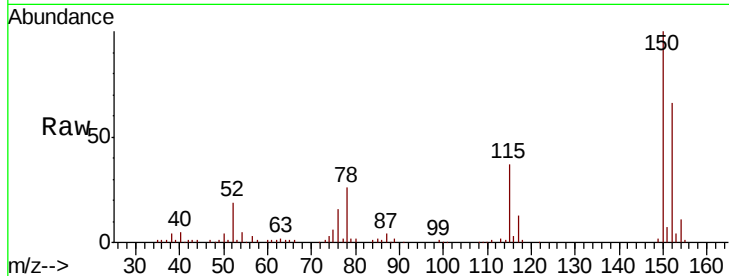


#1

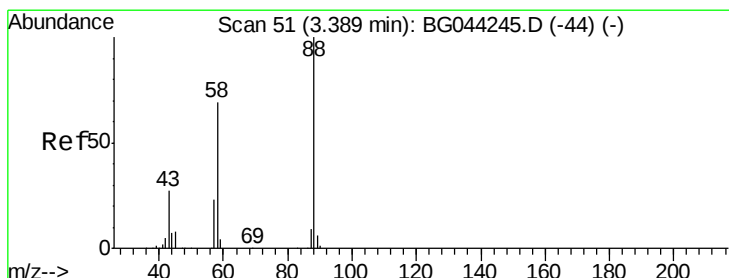
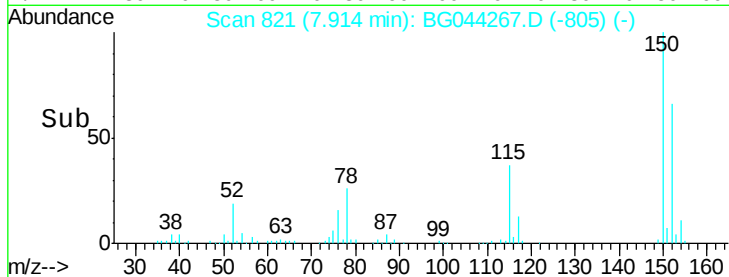
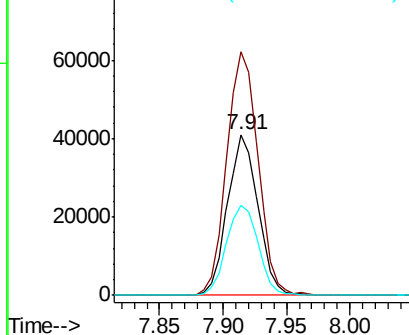
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.91 min Scan# 821
Delta R.T. -0.01 min
Lab File: BG044267.D
Acq: 31 Jan 2020 19:44

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 67992
Ion Ratio Lower Upper
152 100
150 151.5 122.6 183.8
115 55.7 46.0 69.0



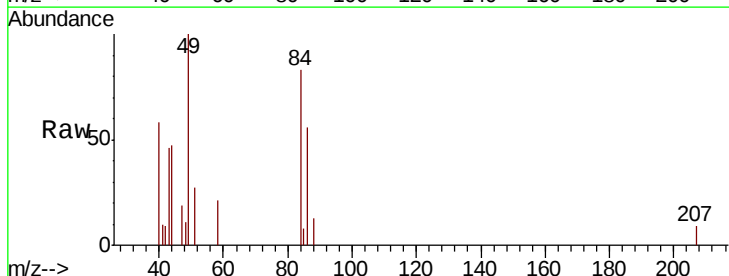
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



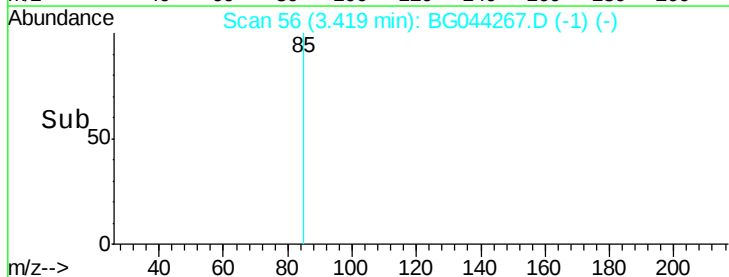
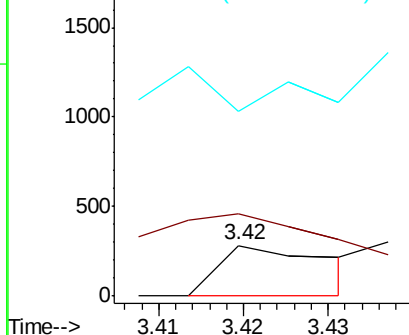
#2

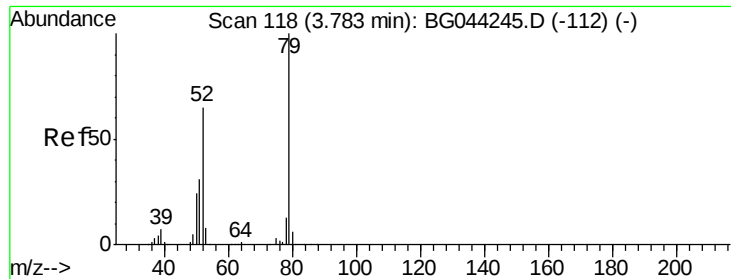
1,4-Dioxane
Concen: 0.147 ng
RT: 3.42 min Scan# 56
Delta R.T. 0.03 min
Lab File: BG044267.D
Acq: 31 Jan 2020 19:44

Tgt Ion: 88 Resp: 255
Ion Ratio Lower Upper
88 100
58 0.0 55.8 83.6#
43 0.0 21.6 32.4#



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





#3

Pvridine

Concen: 0.011 ng

RT: 3.89 min Scan# 136

Delta R.T. 0.11 min

Lab File: BG044267.D

Acq: 31 Jan 2020 19:44

Instrument :

BNA_G

ClientSampleId :

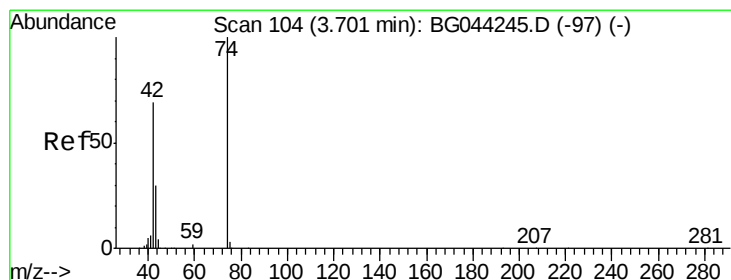
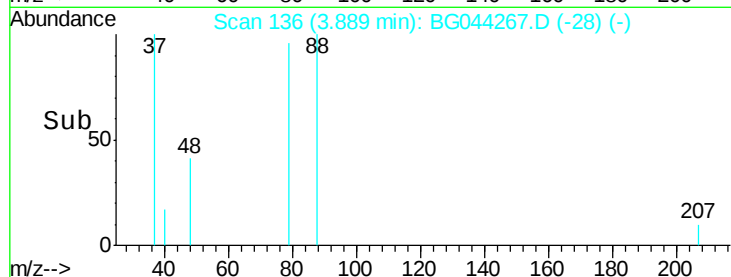
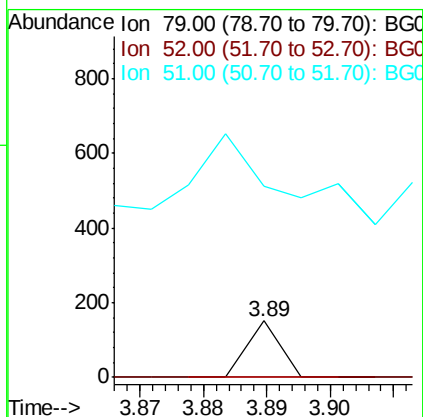
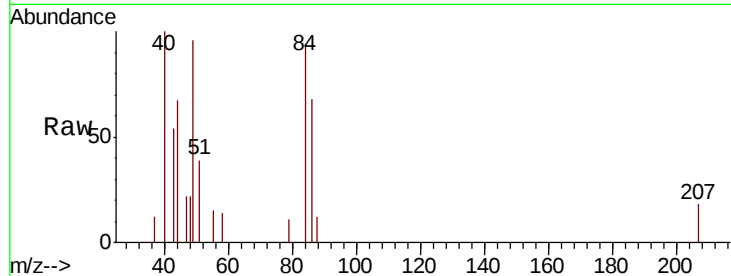
Tot Ion: 79 Resp: 53

Ion Ratio Lower Upper

79 100

52 0.0 51.9 77.9#

51 342.0 25.3 37.9#



#4

n-Nitrosodimethylamine

Concen: 0.235 ng

RT: 3.71 min Scan# 106

Delta R.T. 0.01 min

Lab File: BG044267.D

Acq: 31 Jan 2020 19:44

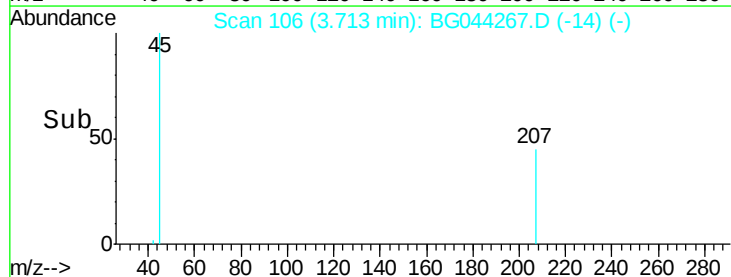
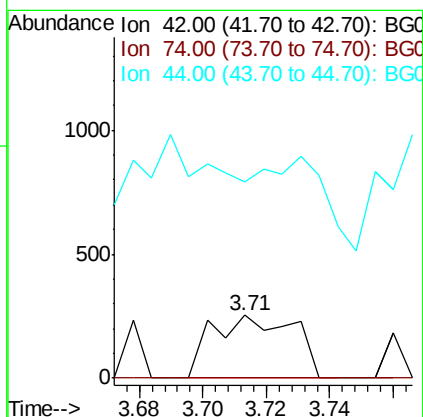
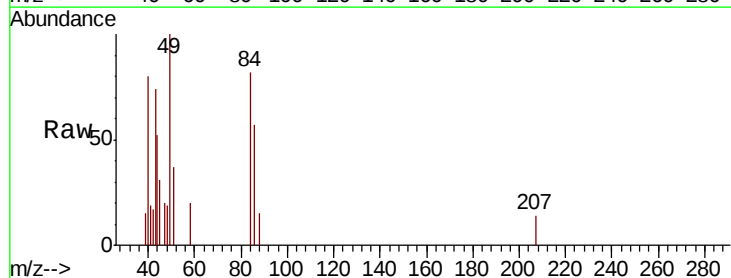
Tgt Ion: 42 Resp: 453

Ion Ratio Lower Upper

42 100

74 0.0 115.1 172.7#

44 311.8 5.6 8.4#





#5

2-Fluorophenol

Concen: 102.459 ng

RT: 5.49 min Scan# 409

Delta R.T. 0.00 min

Lab File: BG044267.D

Acq: 31 Jan 2020 19:44

Instrument :

BNA_G

ClientSampled :

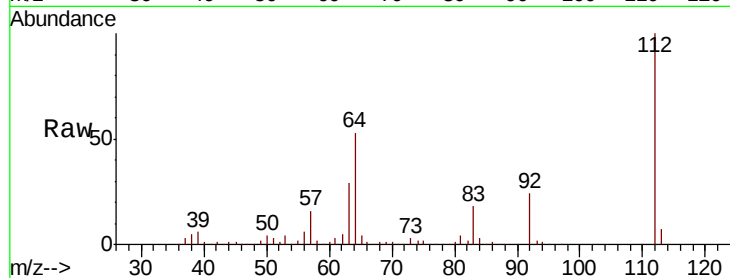
Tot Ion:112 Resp: 394730

Ion Ratio Lower Upper

112 100

64 53.3 45.4 68.2

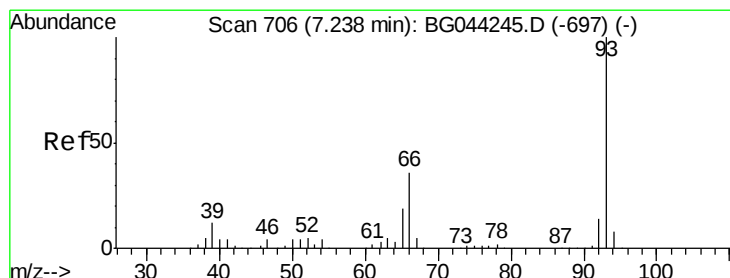
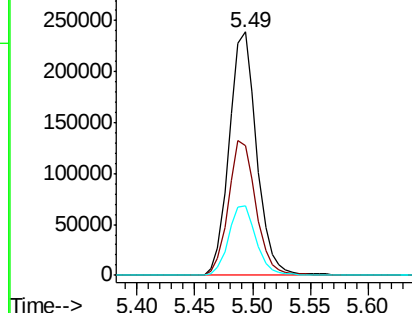
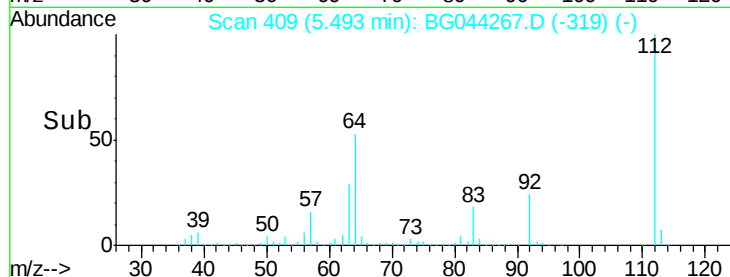
63 28.5 22.9 34.3



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: 0.064 ng

RT: 7.11 min Scan# 684

Delta R.T. -0.13 min

Lab File: BG044267.D

Acq: 31 Jan 2020 19:44

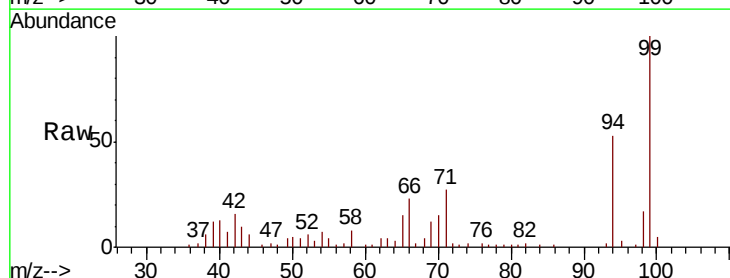
Tgt Ion: 93 Resp: 411

Ion Ratio Lower Upper

93 100

66 1395.7 28.7 43.1#

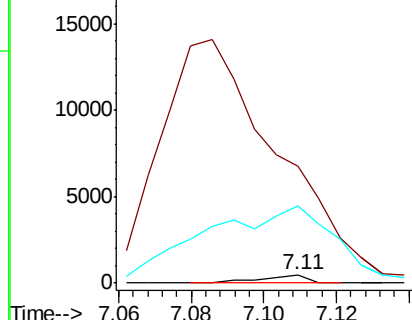
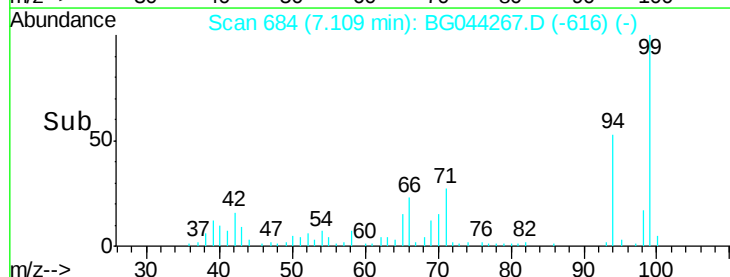
65 915.4 15.4 23.0#

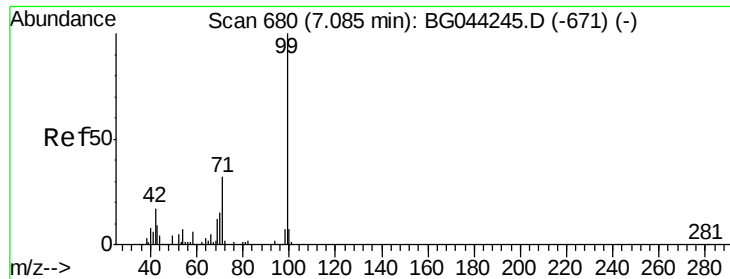


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 106.738 ng

RT: 7.09 min Scan# 680

Delta R.T. 0.00 min

Lab File: BG044267.D

Acq: 31 Jan 2020 19:44

Instrument :

BNA_G

ClientSampleId :

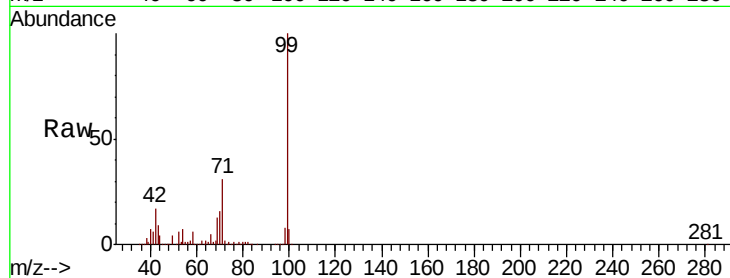
Tot Ion: 99 Resp: 552202

Ion Ratio Lower Upper

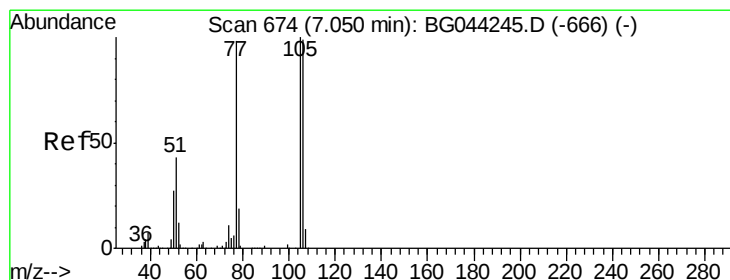
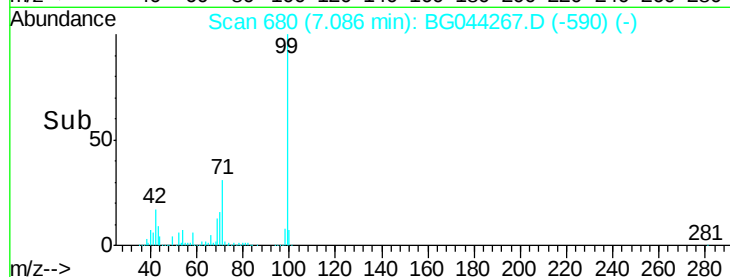
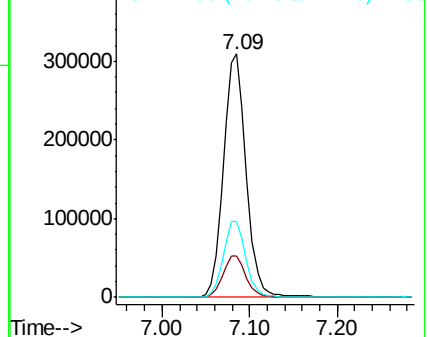
99 100

42 16.9 13.8 20.6

71 31.3 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: 0.320 ng

RT: 7.09 min Scan# 681

Delta R.T. 0.04 min

Lab File: BG044267.D

Acq: 31 Jan 2020 19:44

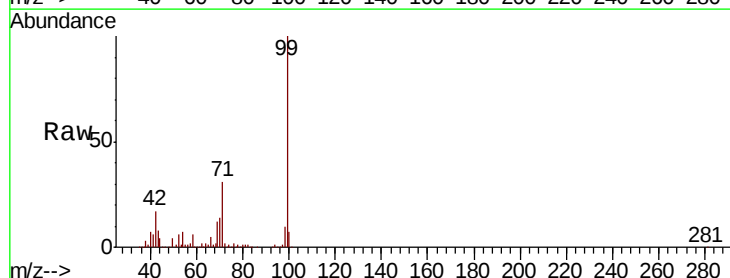
Tgt Ion: 77 Resp: 944

Ion Ratio Lower Upper

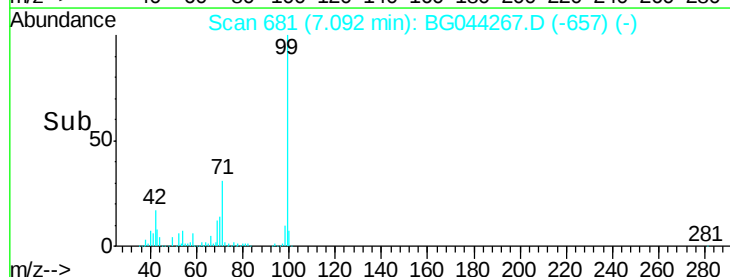
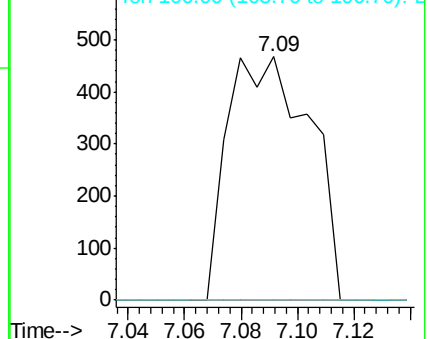
77 100

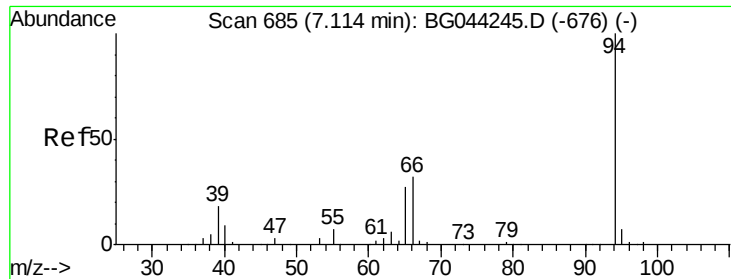
105 0.0 82.0 122.0#

106 0.0 80.7 120.7#



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





#10

Phenol

Concen: 5.075 ng

RT: 7.11 min Scan# 684

Delta R.T. -0.01 min

Lab File: BG044267.D

Acq: 31 Jan 2020 19:44

Instrument :

BNA_G

ClientSampled :

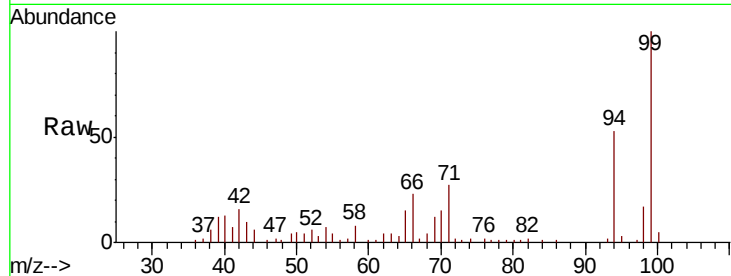
Tot Ion: 94 Resp: 25985

Ion Ratio Lower Upper

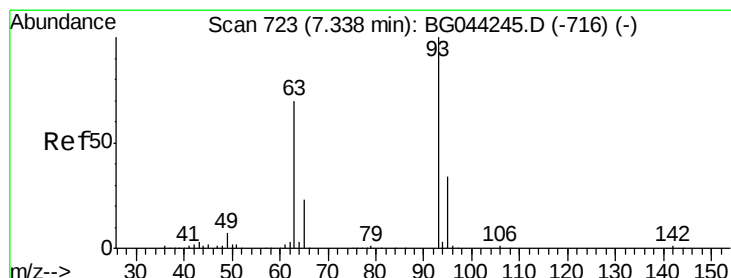
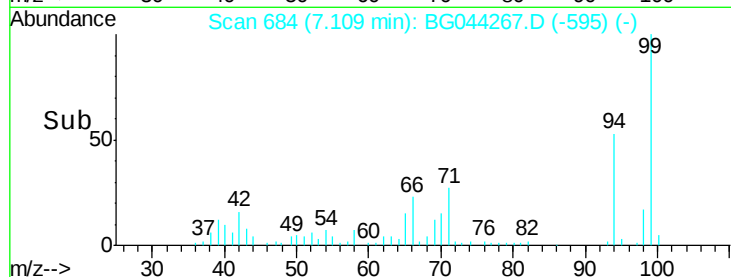
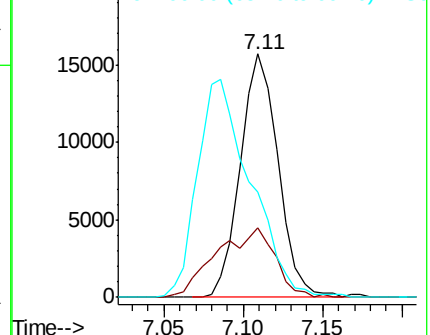
94 100

65 28.3 7.0 47.0

66 43.2 12.7 52.7



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



#11

bis(2-Chloroethyl)ether

Concen: 0.094 ng

RT: 7.11 min Scan# 684

Delta R.T. -0.23 min

Lab File: BG044267.D

Acq: 31 Jan 2020 19:44

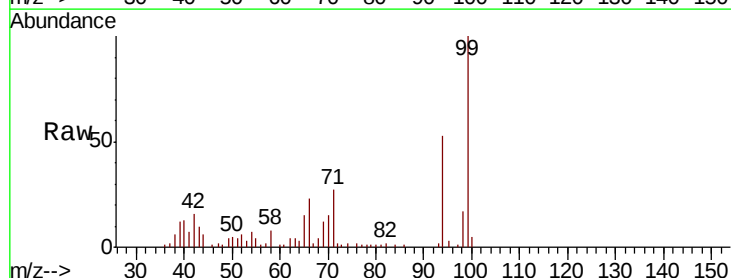
Tgt Ion: 93 Resp: 411

Ion Ratio Lower Upper

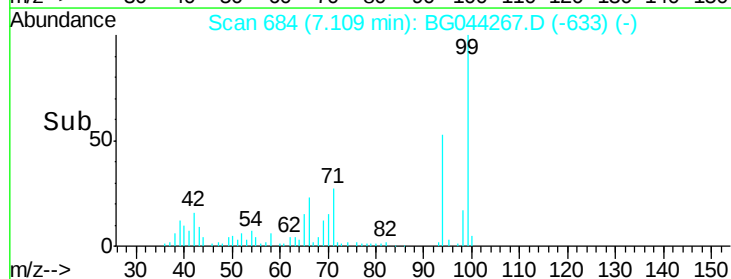
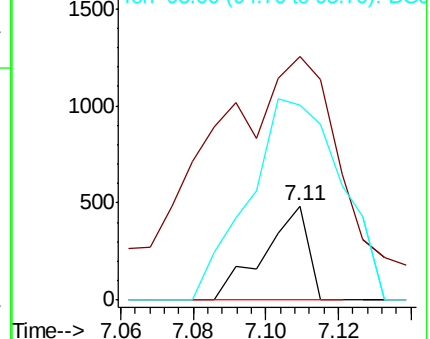
93 100

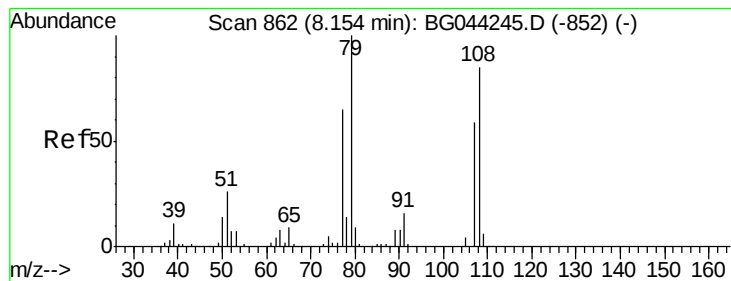
63 258.0 49.2 89.2#

95 206.8 13.6 53.6#



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC





#15

Benzyl Alcohol

Concen: 1.462 ng

RT: 8.24 min Scan# 876

Delta R.T. 0.08 min

Lab File: BG044267.D

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Instrument :

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ClientSampleId :

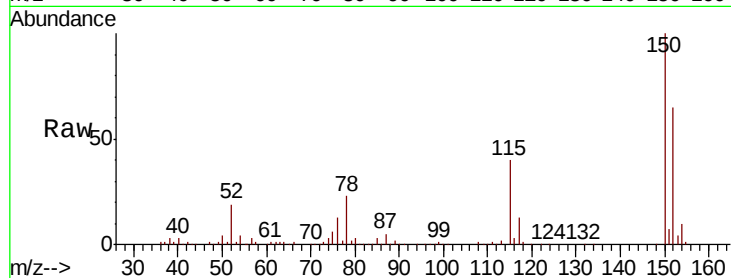
Tot Ion: 79 Resp: 5355

Ion Ratio Lower Upper

79 100

108 40.5 68.3 102.5#

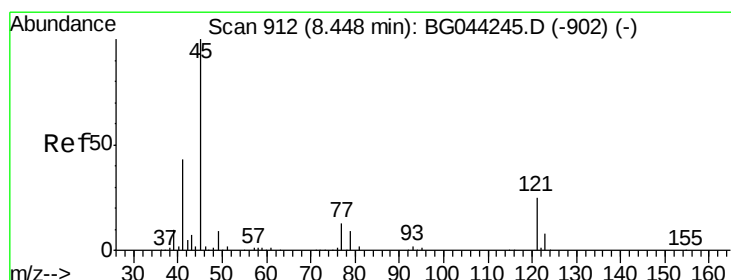
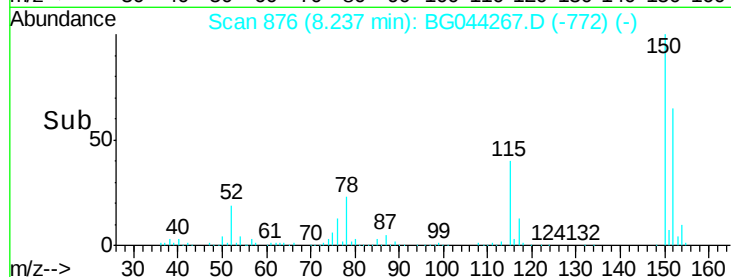
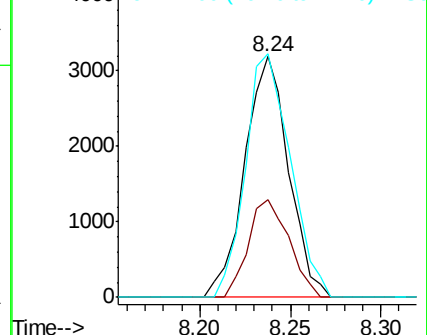
77 101.0 51.8 77.8#



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC



#16

2,2'-oxybis(1-Chloropropane)

Concen: 0.009 ng

RT: 8.16 min Scan# 863

Delta R.T. -0.29 min

Lab File: BG044267.D

Acq: 31 Jan 2020 19:44

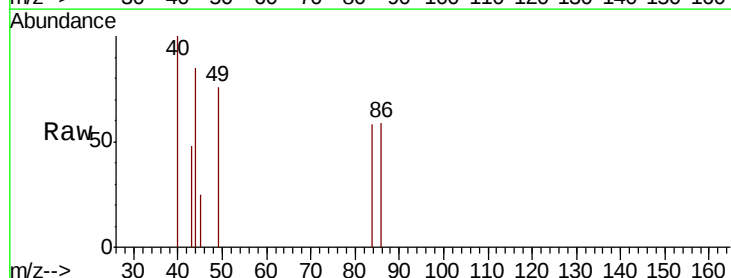
Tgt Ion: 45 Resp: 55

Ion Ratio Lower Upper

45 100

77 0.0 0.0 35.2

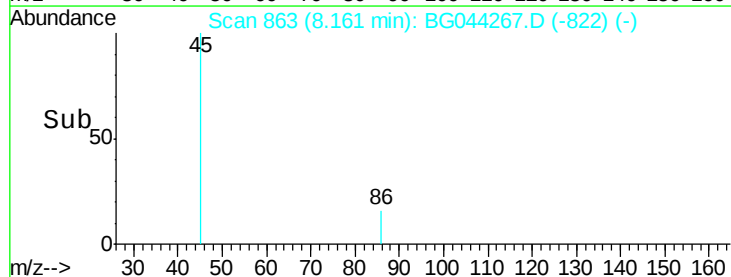
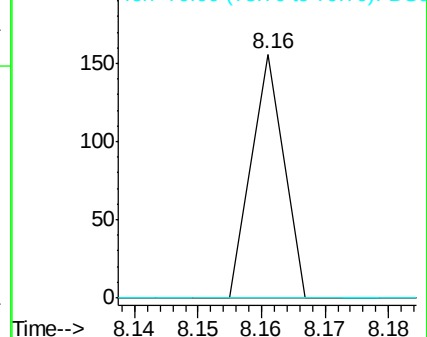
79 0.0 0.0 31.1

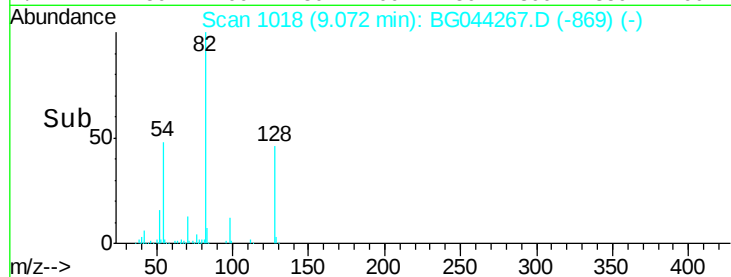
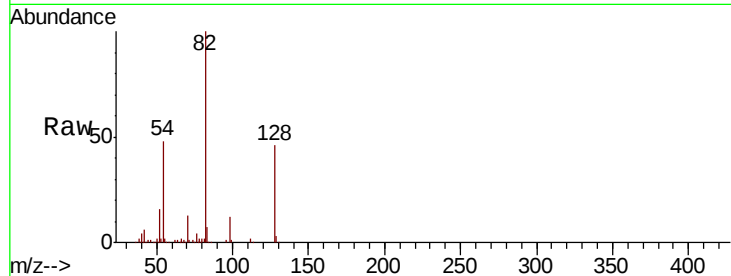
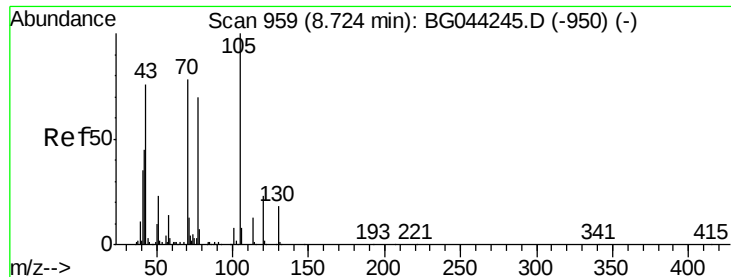


Abundance Ion 45.00 (44.70 to 45.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

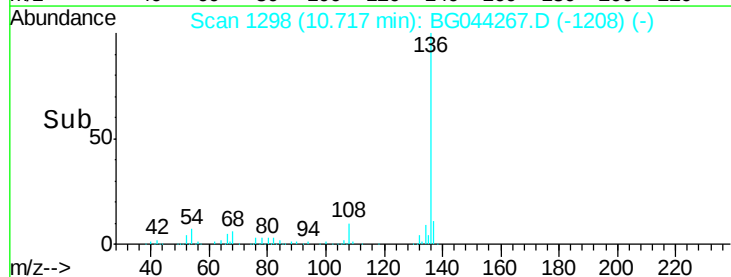
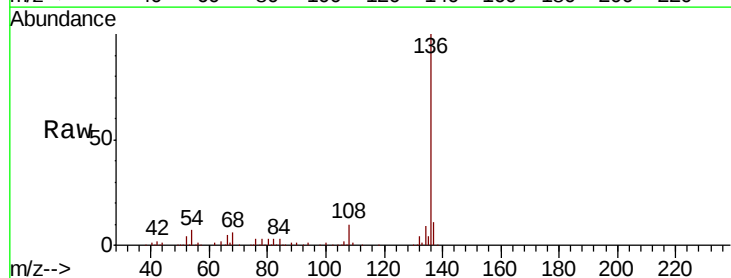
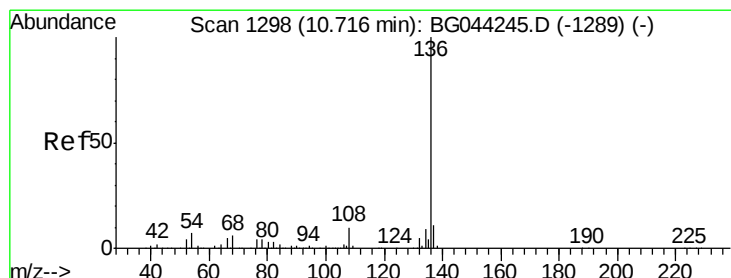
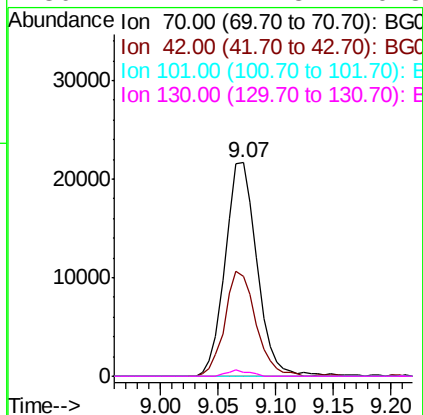




#19
n-Nitroso-di-n-propylamine
Concen: 12.066 ng
RT: 9.07 min Scan# 1018
Delta R.T. 0.35 min
Lab File: BG044267.D
Acq: 31 Jan 2020 19:44

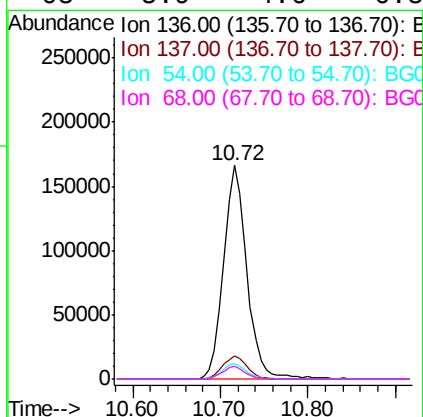
Instrument :
BNA_G
ClientSampleId :

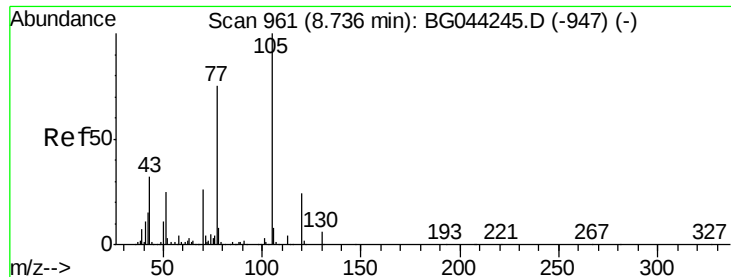
Tot Ion	70	Resp	41601
Ion Ratio	Lower	Upper	
70	100		
42	46.6	46.2	69.2
101	0.0	8.4	12.6#
130	1.7	17.8	26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1298
Delta R.T. 0.00 min
Lab File: BG044267.D
Acq: 31 Jan 2020 19:44

Tgt Ion	136	Resp	305347
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.8	13.2
54	7.3	5.8	8.8
68	5.9	4.6	6.8





#22

Acetophenone

Concen: 0.019 ng

RT: 8.74 min Scan# 962

Delta R.T. 0.01 min

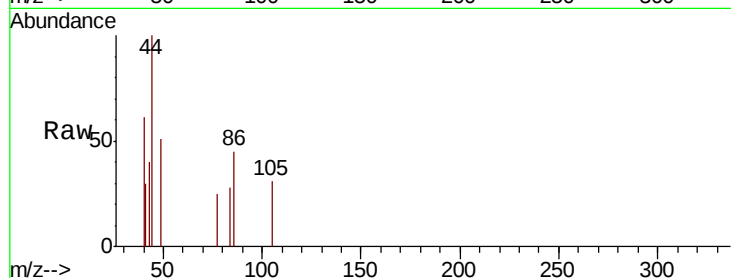
Lab File: BG044267.D

Acq: 31 Jan 2020 19:44

Instrument :

BNA_G

ClientSampleId :



Tot Ion: 105 Resp: 139

Ion Ratio Lower Upper

105 100

71 0.0 3.4 5.0#

51 0.0 20.2 30.4#

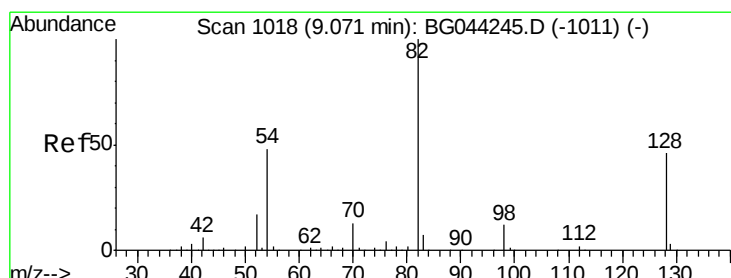
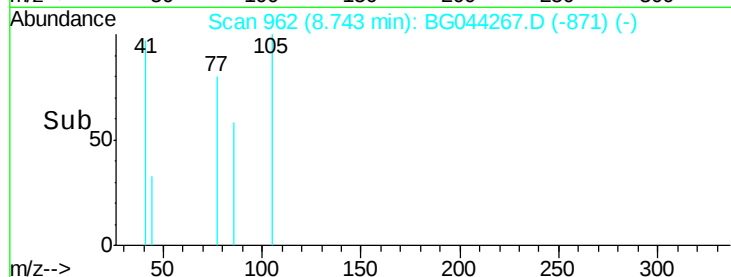
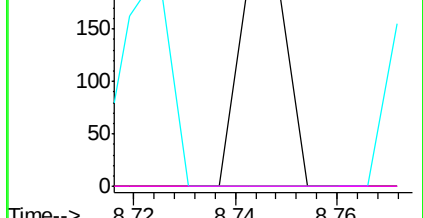
120 0.0 19.1 28.7#

Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 61.680 ng

RT: 9.07 min Scan# 1018

Delta R.T. 0.00 min

Lab File: BG044267.D

Acq: 31 Jan 2020 19:44

Tgt Ion: 82 Resp: 333599

Ion Ratio Lower Upper

82 100

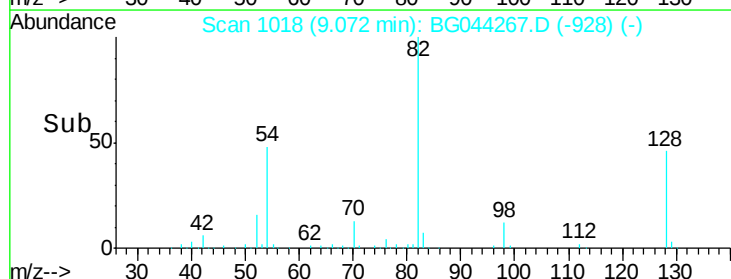
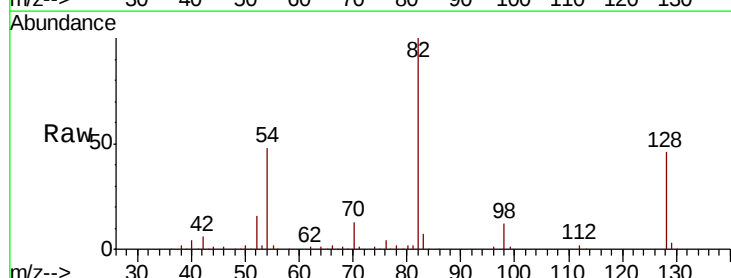
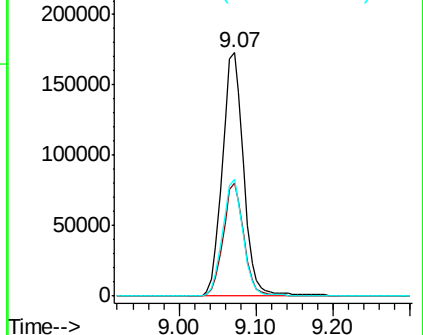
128 46.4 36.5 54.7

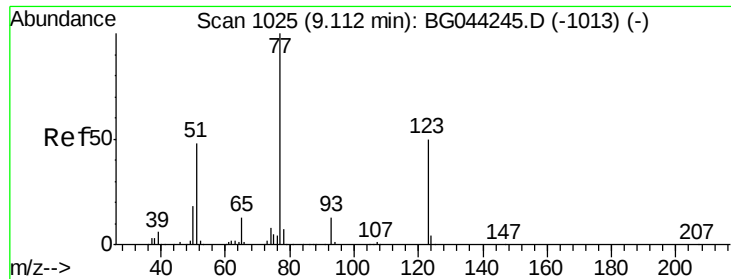
54 47.9 38.6 58.0

Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

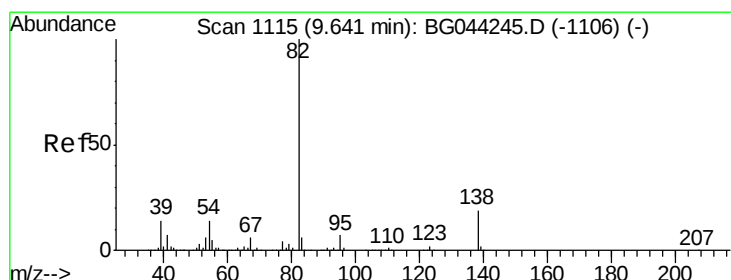
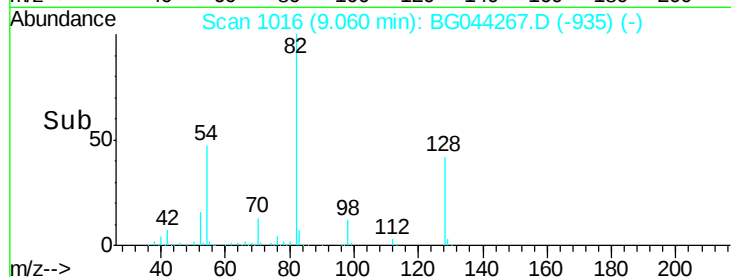
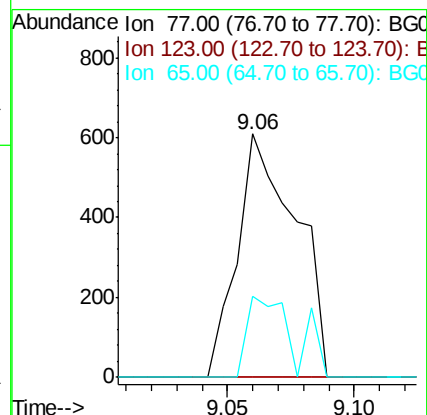
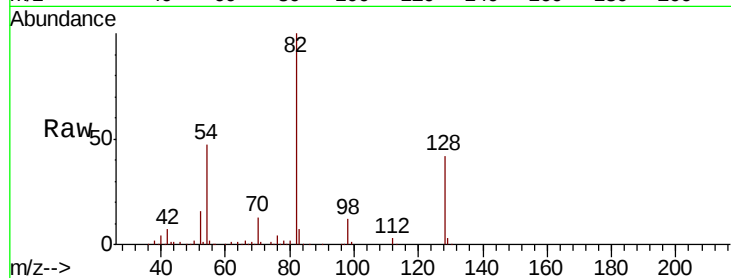




#24
 Nitrobenzene
 Concen: 0.186 ng
 RT: 9.06 min Scan# 1016
 Delta R.T. -0.05 min
 Lab File: BG044267.D
 Acq: 31 Jan 2020 19:44

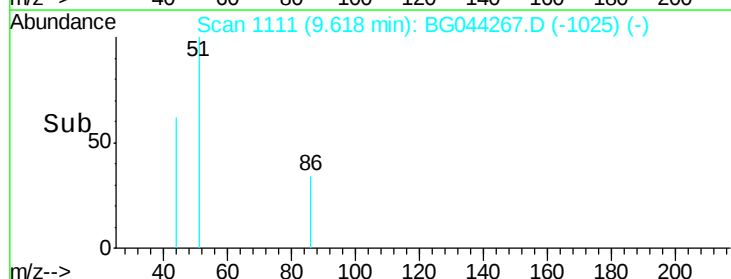
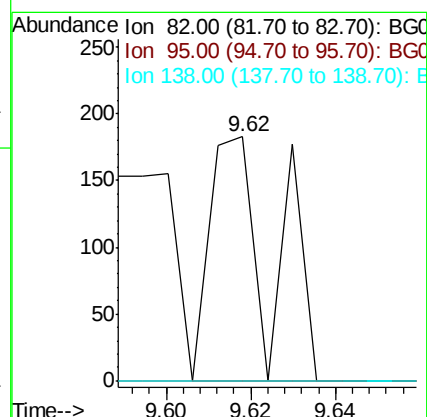
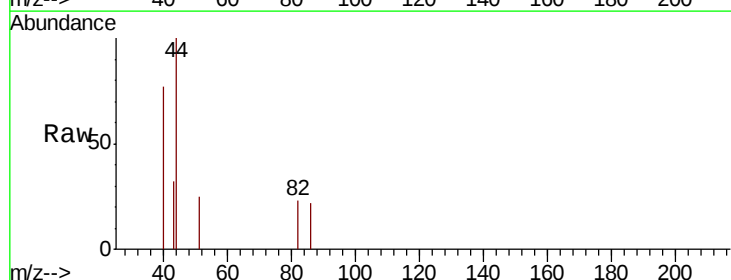
Instrument :
 BNA_G
 ClientSampleId :

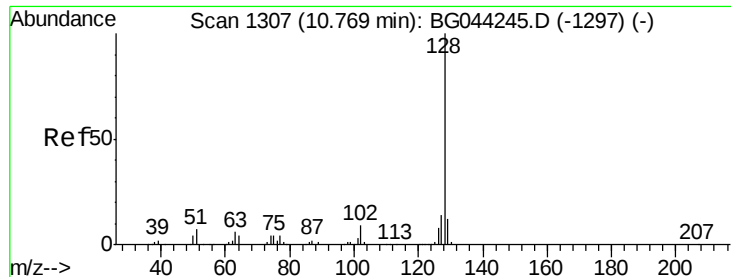
Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	39.9	59.9#
65	33.2	10.4	15.6#



#25
 Isophorone
 Concen: 0.019 ng
 RT: 9.62 min Scan# 1111
 Delta R.T. -0.02 min
 Lab File: BG044267.D
 Acq: 31 Jan 2020 19:44

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

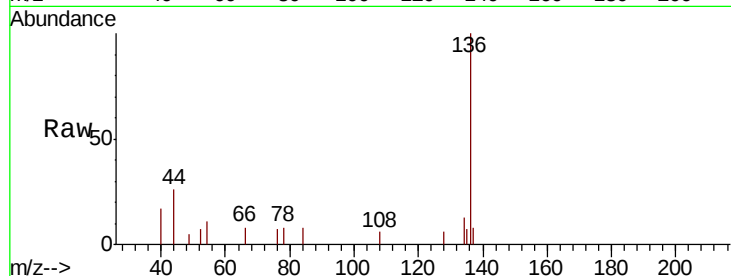




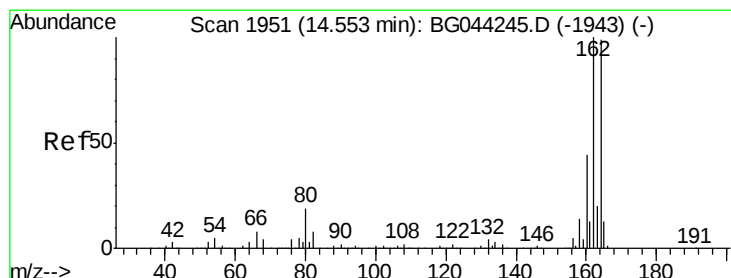
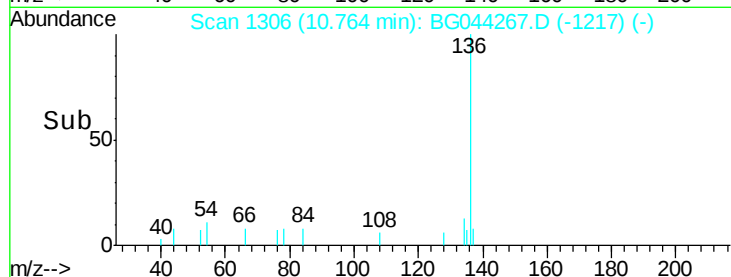
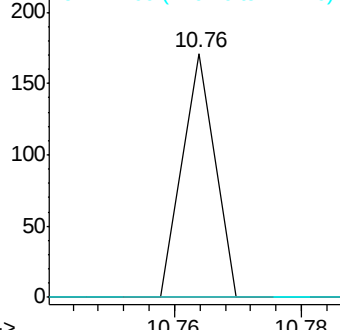
#31
Naphthalene
Concen: 0.004 ng
RT: 10.76 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BG044267.D
Acq: 31 Jan 2020 19:44

Instrument :
BNA_G
ClientSampleId :

Tot Ion:128 Resp: 60
Ion Ratio Lower Upper
128 100
129 0.0 9.3 13.9#
127 0.0 11.6 17.4#

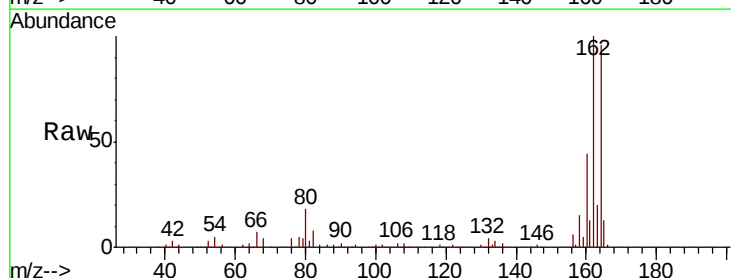


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

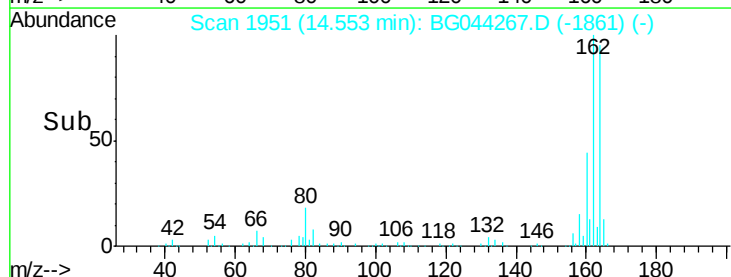
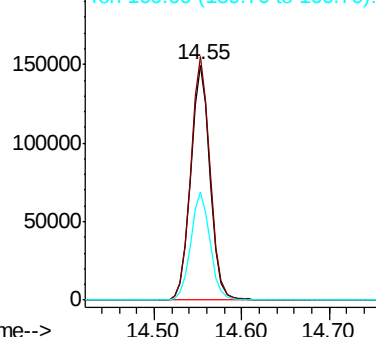


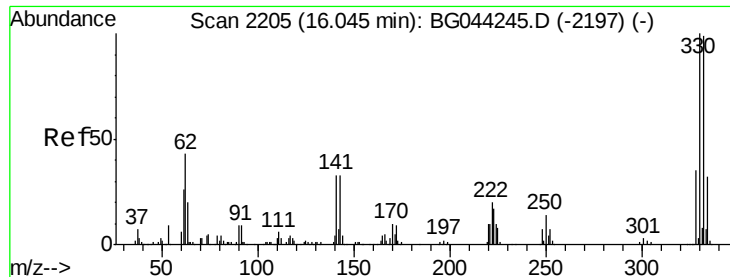
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.55 min Scan# 1951
Delta R.T. 0.00 min
Lab File: BG044267.D
Acq: 31 Jan 2020 19:44

Tgt Ion:164 Resp: 228160
Ion Ratio Lower Upper
164 100
162 103.7 80.7 121.1
160 45.9 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: 91.762 ng

RT: 16.04 min Scan# 2204

Delta R.T. -0.01 min

Lab File: BG044267.D

Acq: 31 Jan 2020 19:44

Instrument :

BNA_G

ClientSampled :

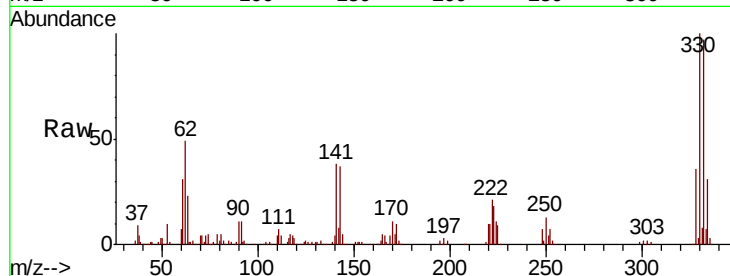
Tot Ion:330 Resp: 245781

Ion Ratio Lower Upper

330 100

332 97.2 77.2 115.8

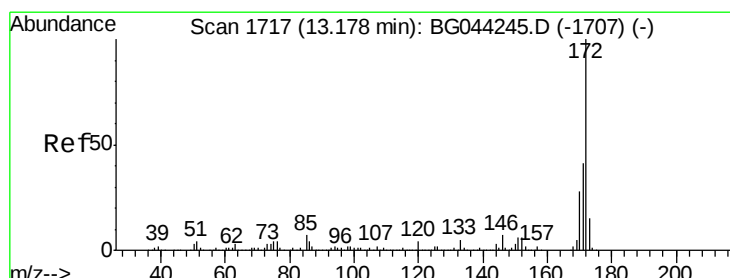
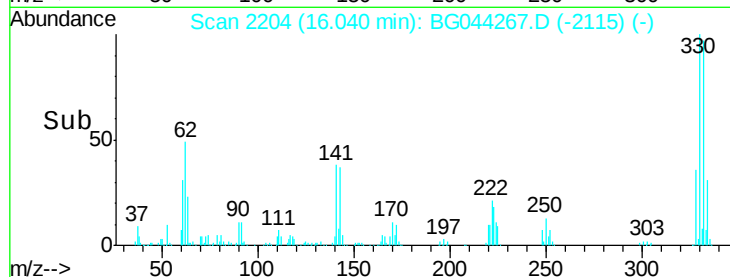
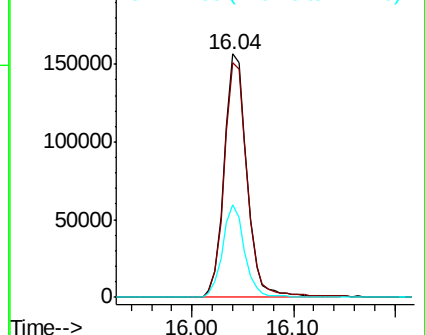
141 36.8 28.3 42.5



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: 64.469 ng

RT: 13.18 min Scan# 1717

Delta R.T. 0.00 min

Lab File: BG044267.D

Acq: 31 Jan 2020 19:44

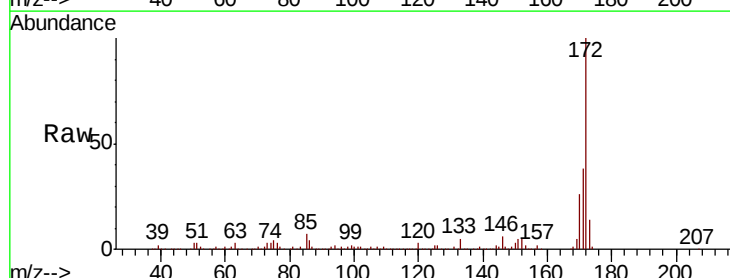
Tgt Ion:172 Resp: 878392

Ion Ratio Lower Upper

172 100

171 38.2 32.9 49.3

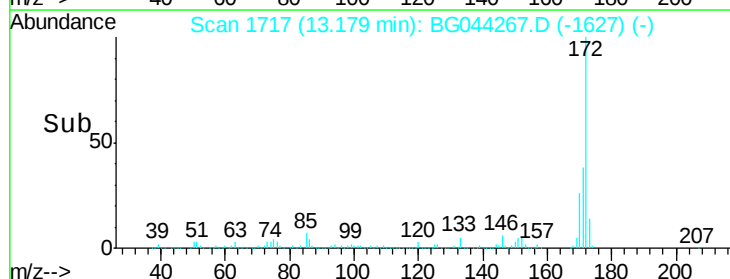
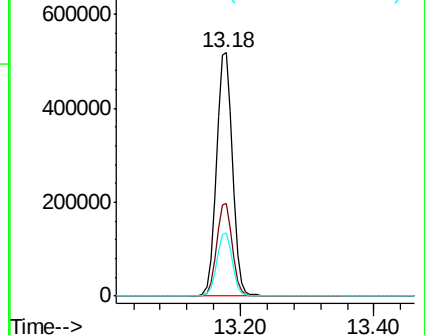
170 26.0 22.0 33.0

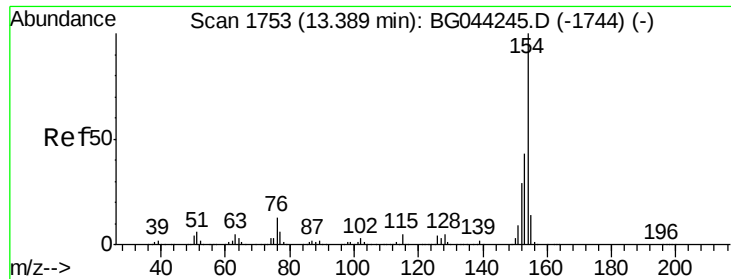


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

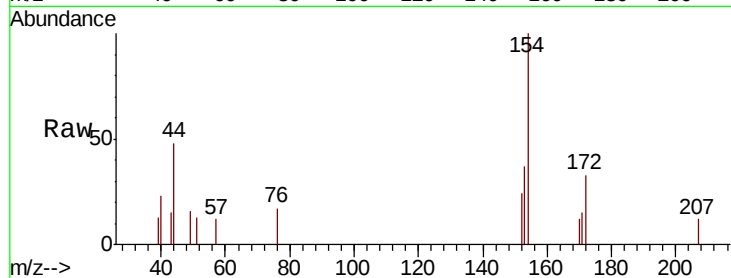




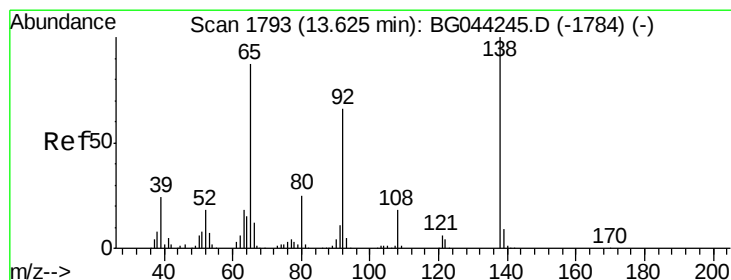
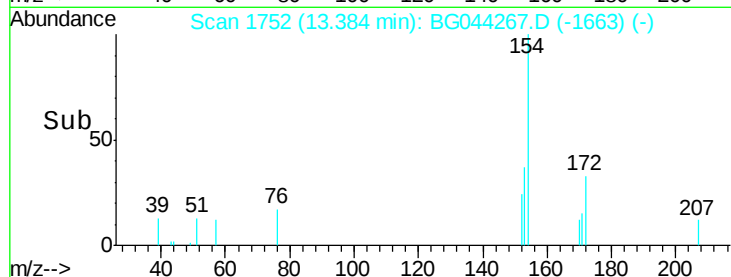
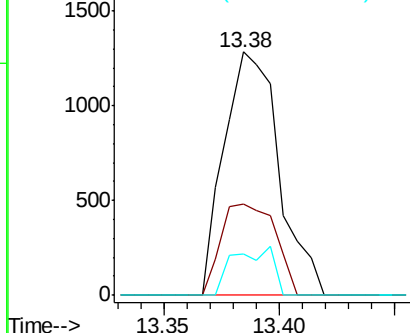
#46
 1,1'-Biphenyl
 Concen: 0.129 ng
 RT: 13.38 min Scan# 1752
 Delta R.T. -0.01 min
 Lab File: BG044267.D
 Acq: 31 Jan 2020 19:44

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
154	100		
153	37.3	22.7	62.7
76	16.9	0.0	32.9

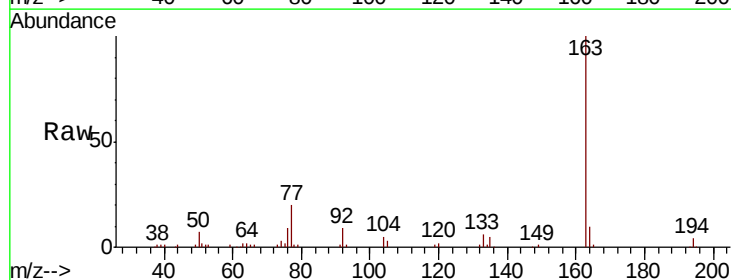


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BGC

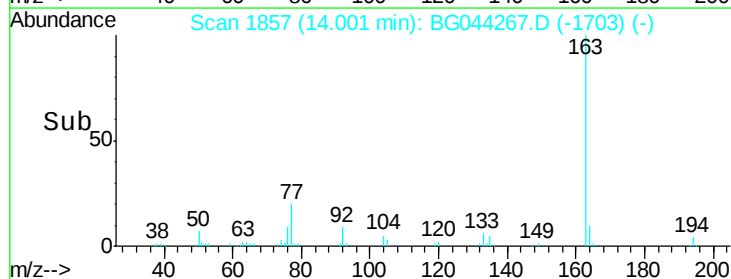
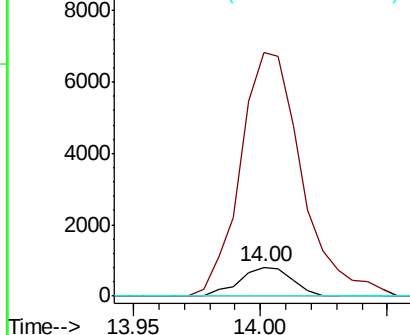


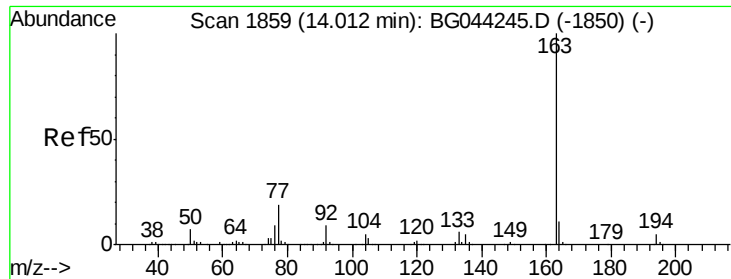
#48
 2-Nitroaniline
 Concen: 0.299 ng
 RT: 14.00 min Scan# 1857
 Delta R.T. 0.38 min
 Lab File: BG044267.D
 Acq: 31 Jan 2020 19:44

Tgt Ion	Ratio	Lower	Upper
65	100		
92	852.9	60.3	90.5#
138	0.0	91.9	137.9#



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





#50

Dimethylphthalate

Concen: 8.363 ng

RT: 14.01 min Scan# 1858

Delta R.T. -0.01 min

Lab File: BG044267.D

Acq: 31 Jan 2020 19:44

Instrument :

BNA_G

ClientSampleId :

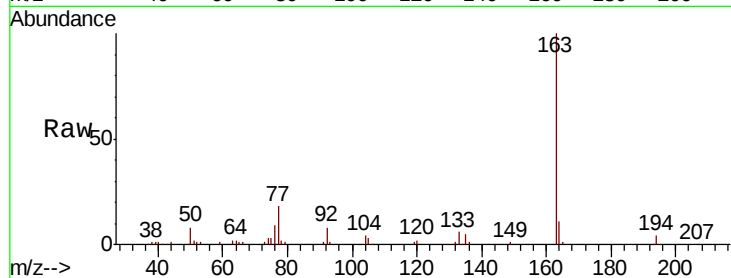
Tot Ion:163 Resp: 137166

Ion Ratio Lower Upper

163 100

194 3.8 3.6 5.4

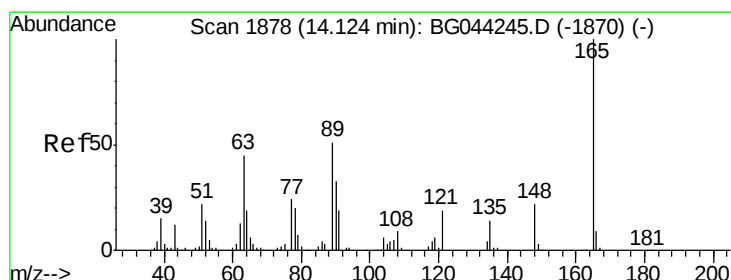
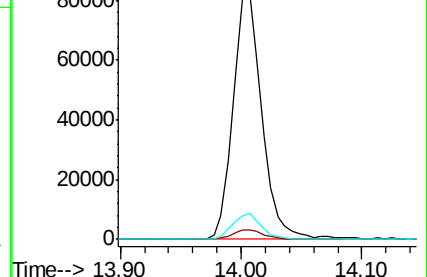
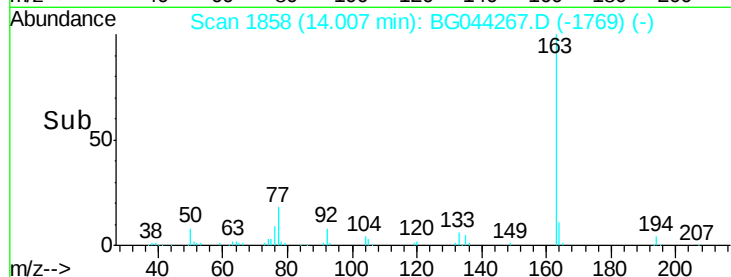
164 10.8 8.7 13.1



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: 0.330 ng

RT: 14.00 min Scan# 1857

Delta R.T. -0.12 min

Lab File: BG044267.D

Acq: 31 Jan 2020 19:44

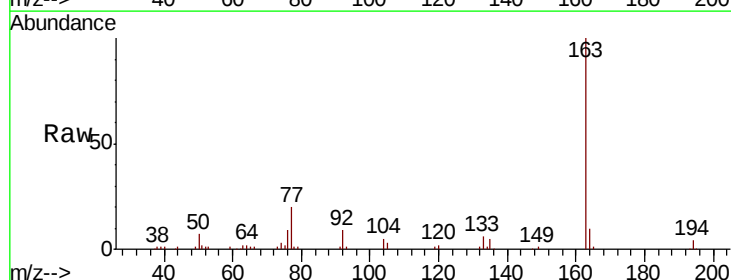
Tgt Ion:165 Resp: 1206

Ion Ratio Lower Upper

165 100

63 136.2 38.7 58.1#

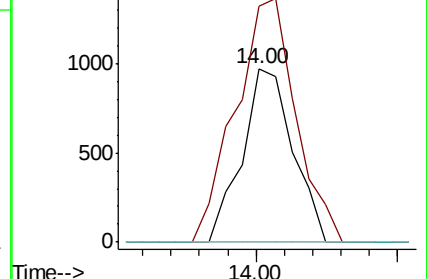
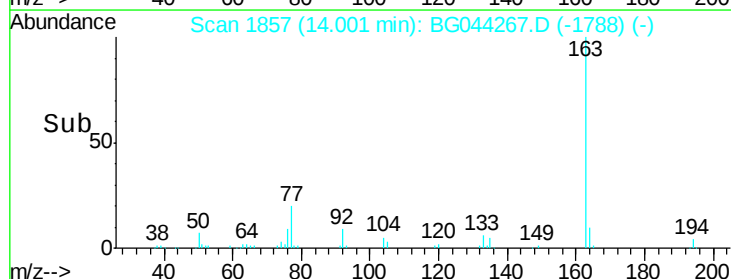
89 0.0 40.4 60.6#

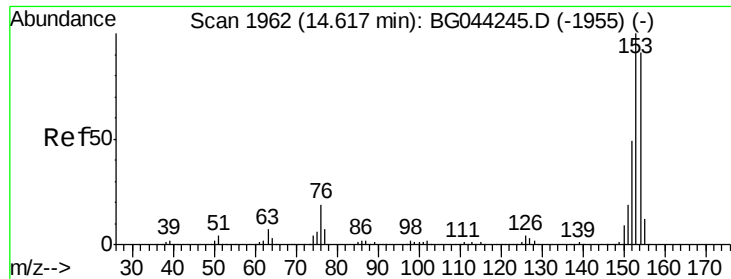


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#52

Acenaphthene

Concen: 0.085 ng

RT: 14.55 min Scan# 1951

Delta R.T. -0.06 min

Lab File: BG044267.D

Acq: 31 Jan 2020 19:44

Instrument :

BNA_G

ClientSampleId :

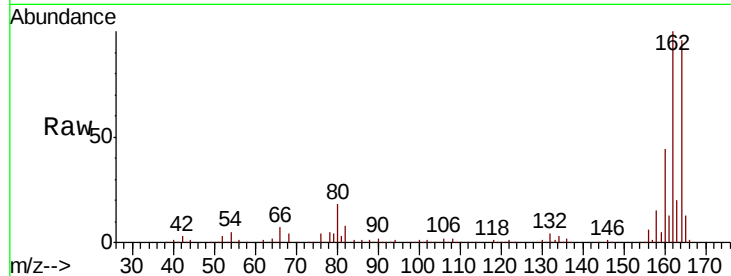
Tot Ion:154 Resp: 1055

Ion Ratio Lower Upper

154 100

153 0.0 87.9 131.9#

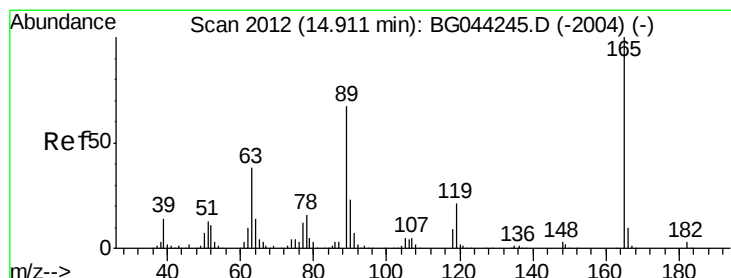
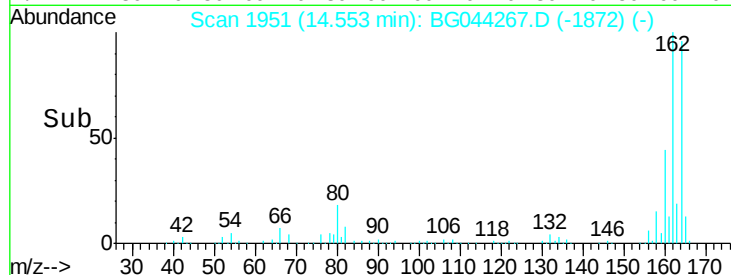
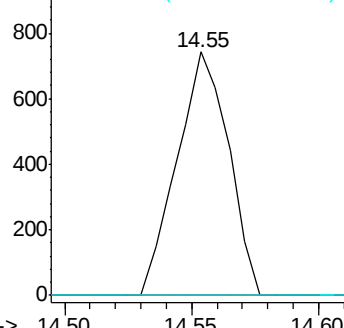
152 0.0 43.1 64.7#



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: 5.908 ng

RT: 14.55 min Scan# 1951

Delta R.T. -0.36 min

Lab File: BG044267.D

Acq: 31 Jan 2020 19:44

Tgt Ion:165 Resp: 30281

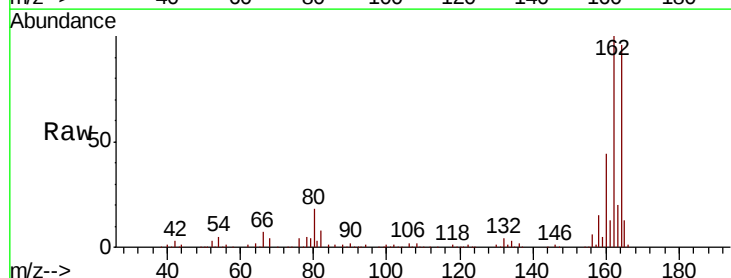
Ion Ratio Lower Upper

165 100

63 0.0 30.3 45.5#

89 1.8 53.4 80.2#

182 0.0 2.1 3.1#

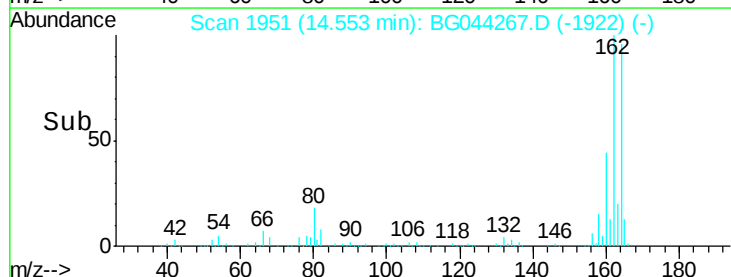
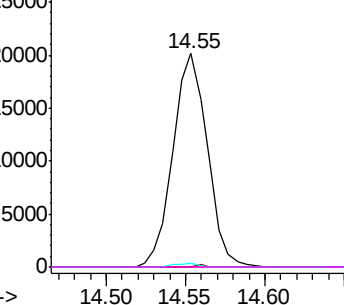


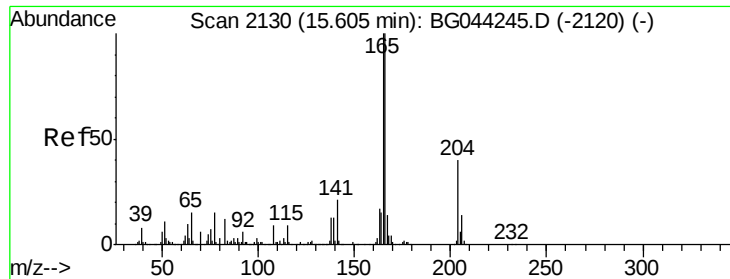
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0

Ion 182.00 (181.70 to 182.70): E

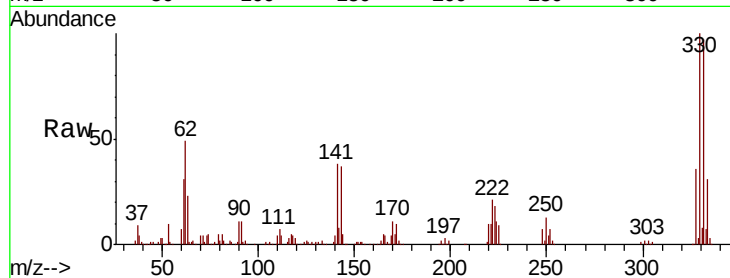




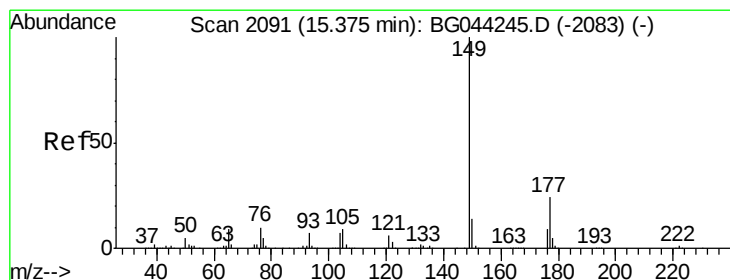
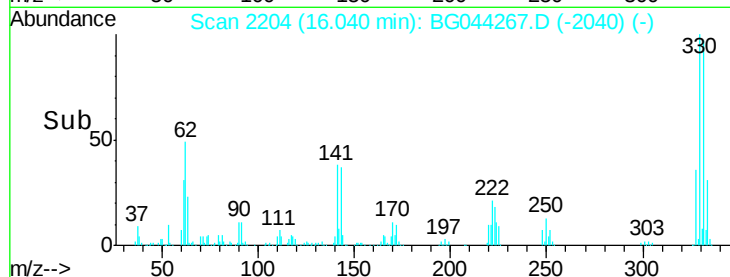
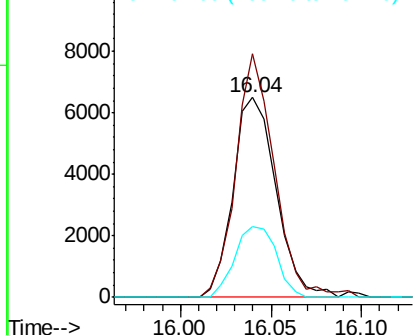
#58
 Fluorene
 Concen: 0.724 ng
 RT: 16.04 min Scan# 2204
 Delta R.T. 0.44 min
 Lab File: BG044267.D
 Acq: 31 Jan 2020 19:44

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:166 Resp: 10752
 Ion Ratio Lower Upper
 166 100
 165 121.9 79.9 119.9#
 167 35.8 11.4 17.0#

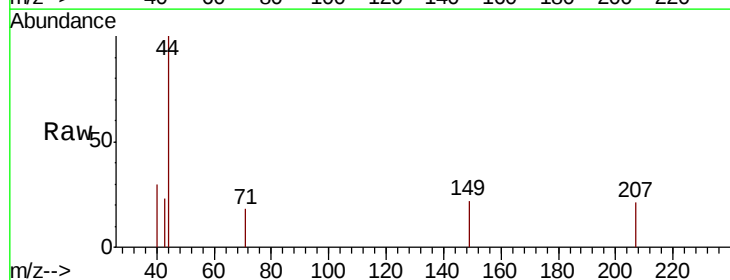


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

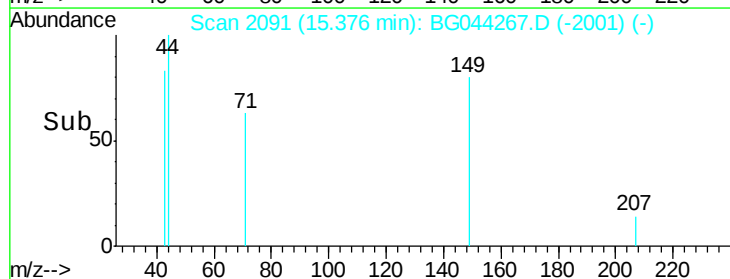
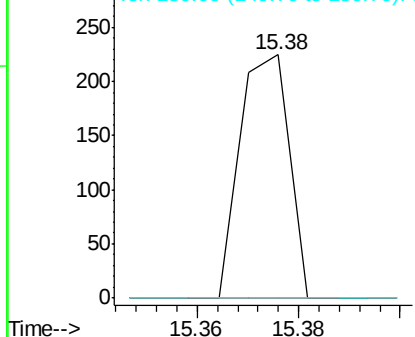


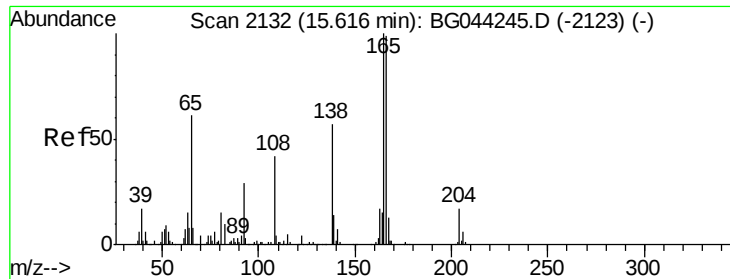
#60
 Diethylphthalate
 Concen: 0.009 ng
 RT: 15.38 min Scan# 2091
 Delta R.T. 0.00 min
 Lab File: BG044267.D
 Acq: 31 Jan 2020 19:44

Tgt Ion:149 Resp: 153
 Ion Ratio Lower Upper
 149 100
 177 0.0 19.4 29.0#
 150 0.0 10.9 16.3#



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





#62

4-Nitroaniline

Concen: 0.018 ng

RT: 16.03 min Scan# 2202

Delta R.T. 0.41 min

Lab File: BG044267.D

Acq: 31 Jan 2020 19:44

Instrument :

BNA_G

ClientSampled :

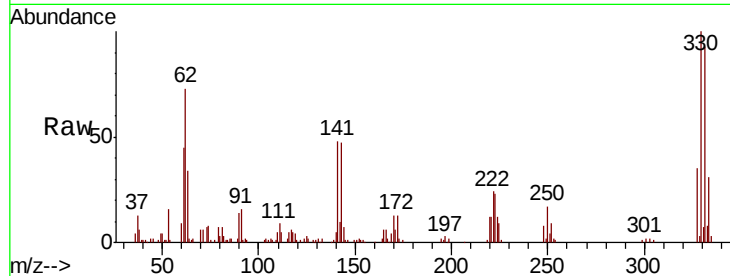
Tot Ion:138 Resp: 71

Ion Ratio Lower Upper

138 100

92 374.8 31.3 71.3#

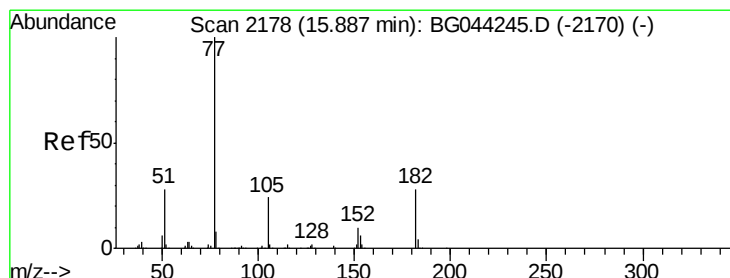
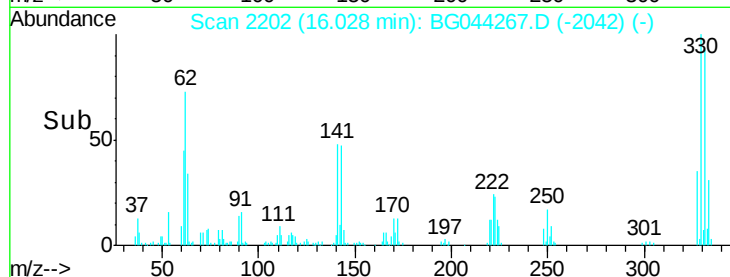
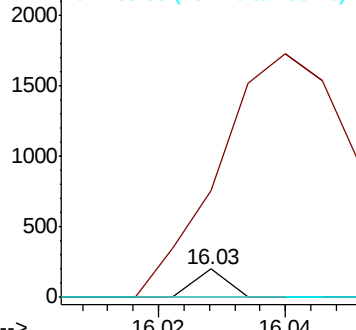
108 0.0 52.6 92.6#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BGC

Ion 108.00 (107.70 to 108.70): E



#63

Azobenzene

Concen: 0.088 ng

RT: 16.04 min Scan# 2204

Delta R.T. 0.15 min

Lab File: BG044267.D

Acq: 31 Jan 2020 19:44

Tgt Ion: 77 Resp: 1261

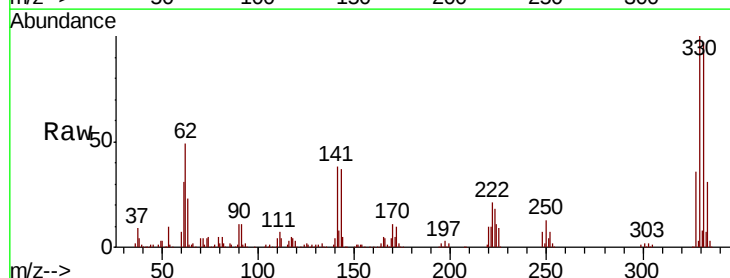
Ion Ratio Lower Upper

77 100

182 0.0 8.2 48.2#

105 80.2 3.6 43.6#

51 77.1 8.3 48.3#

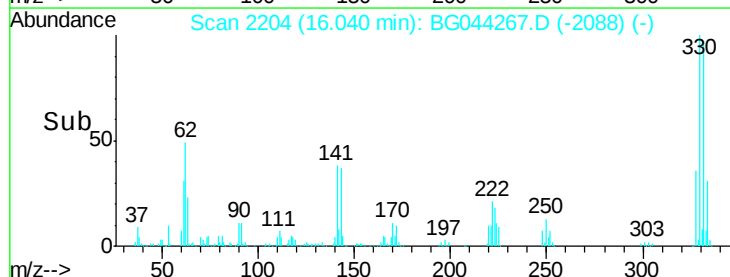
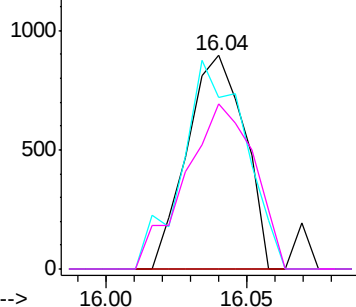


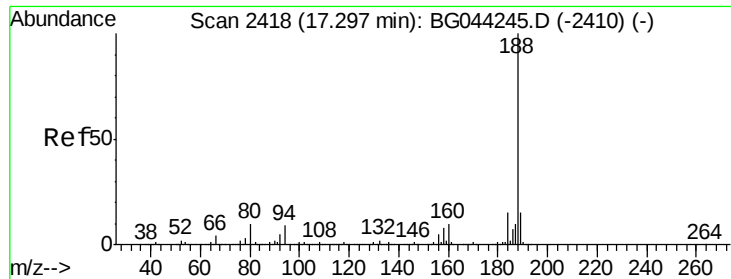
Abundance Ion 77.00 (76.70 to 77.70): BGC

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: 17.30 min Scan# 2418

Delta R.T. 0.00 min

Lab File: BG044267.D

Acq: 31 Jan 2020 19:44

Instrument :

BNA_G

ClientSampleId :

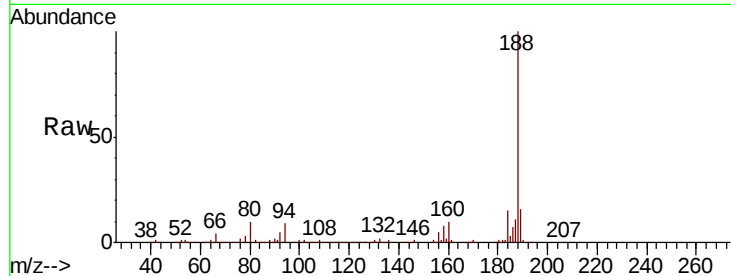
Tot Ion:188 Resp: 524982

Ion Ratio Lower Upper

188 100

94 8.8 7.4 11.2

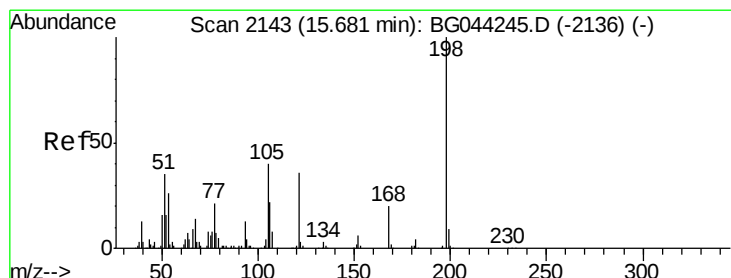
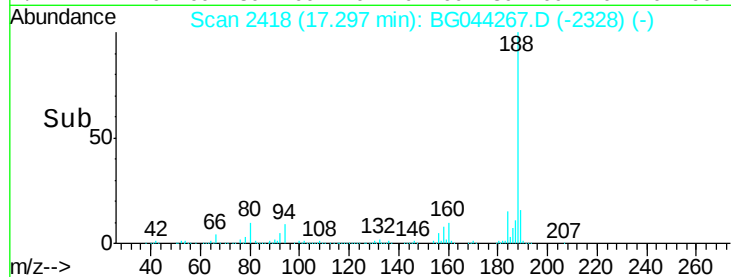
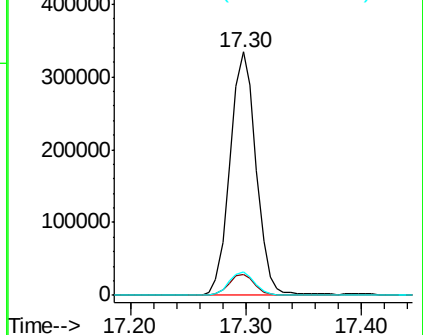
80 9.7 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#65

4,6-Dinitro-2-methylphenol

Concen: 0.273 ng

RT: 16.04 min Scan# 2204

Delta R.T. 0.36 min

Lab File: BG044267.D

Acq: 31 Jan 2020 19:44

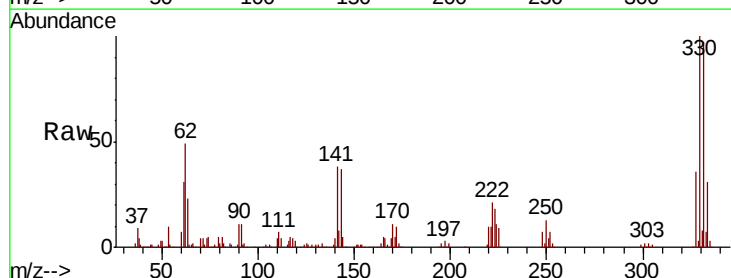
Tgt Ion:198 Resp: 791

Ion Ratio Lower Upper

198 100

51 117.1 16.6 56.6#

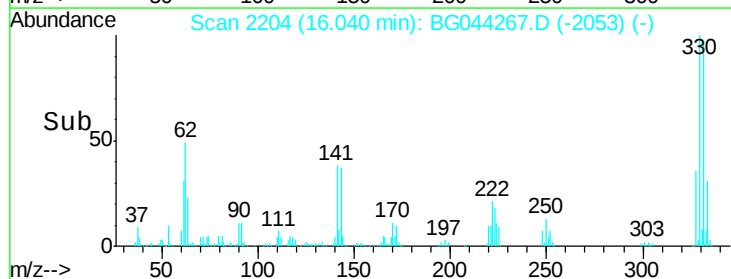
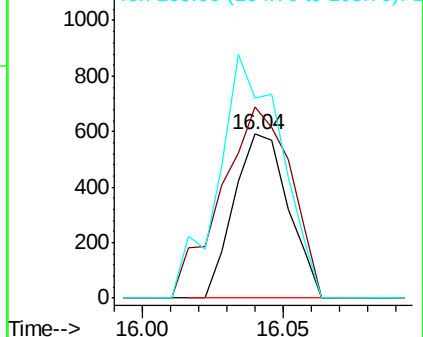
105 121.9 20.6 60.6#

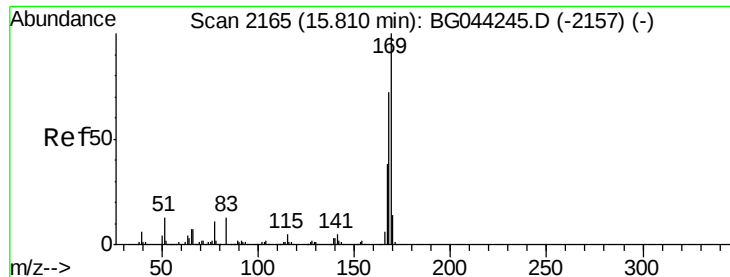


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

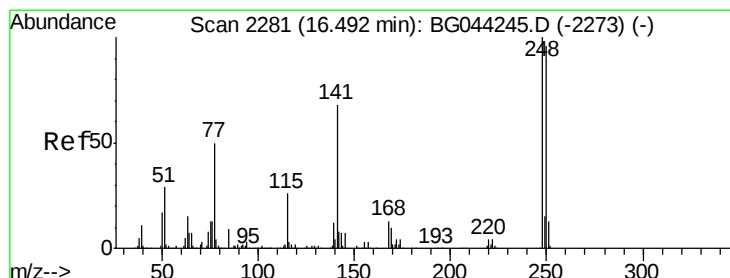
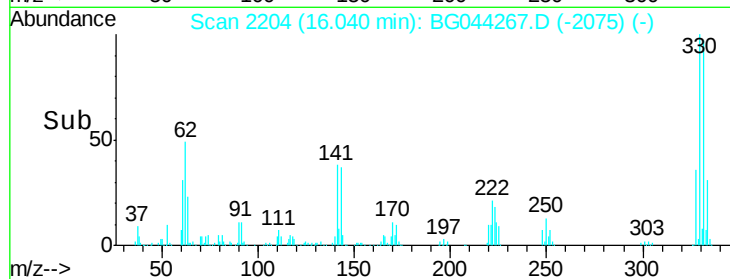
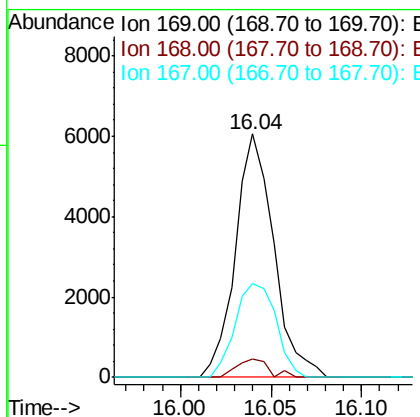
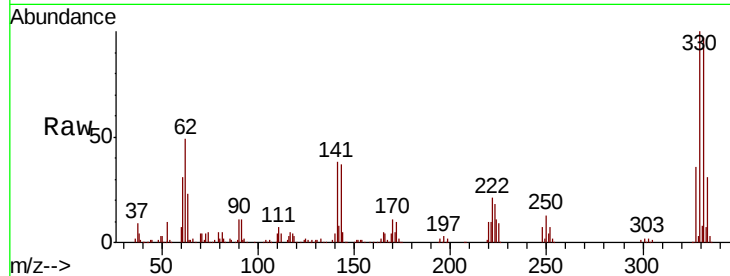




#66
 n-Nitrosodiphenylamine
 Concen: 0.606 ng
 RT: 16.04 min Scan# 2204
 Delta R.T. 0.23 min
 Lab File: BG044267.D
 Acq: 31 Jan 2020 19:44

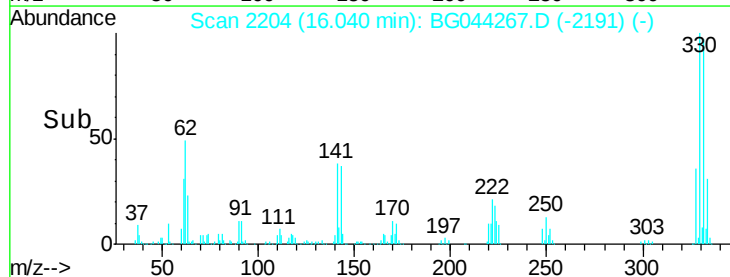
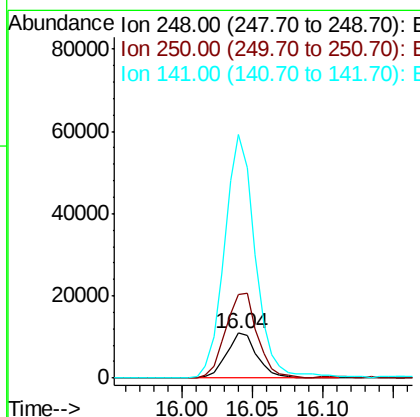
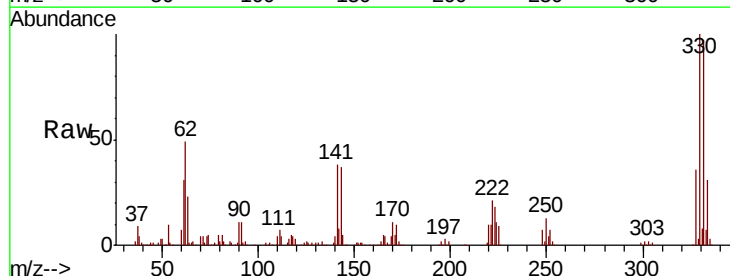
Instrument :
 BNA_G
 ClientSampleId :

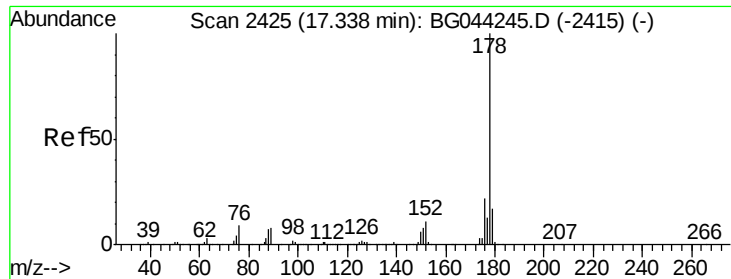
Tot Ion:169 Resp: 8916
 Ion Ratio Lower Upper
 169 100
 168 7.8 57.9 86.9#
 167 38.3 30.7 46.1



#67
 4-Bromophenyl-phenylether
 Concen: 2.877 ng
 RT: 16.04 min Scan# 2204
 Delta R.T. -0.45 min
 Lab File: BG044267.D
 Acq: 31 Jan 2020 19:44

Tgt Ion:248 Resp: 16455
 Ion Ratio Lower Upper
 248 100
 250 187.2 76.6 114.8#
 141 545.4 54.7 82.1#

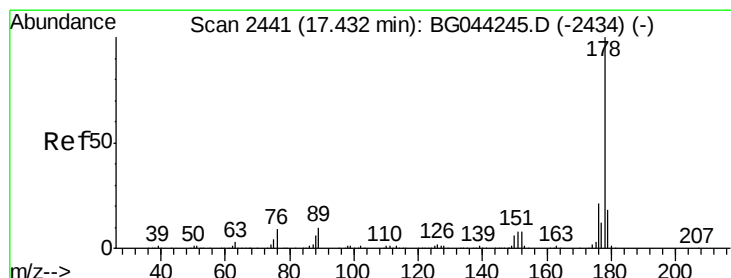
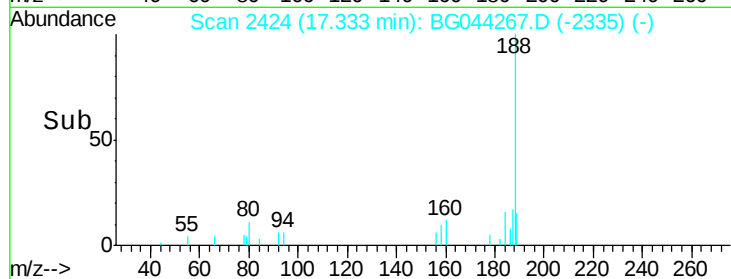
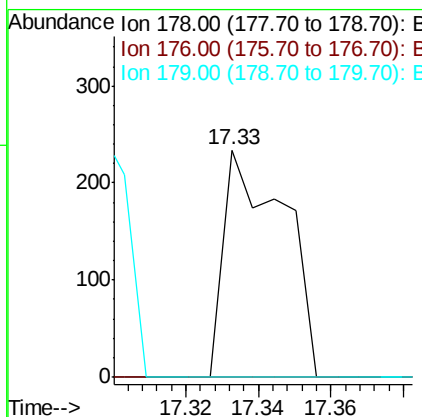
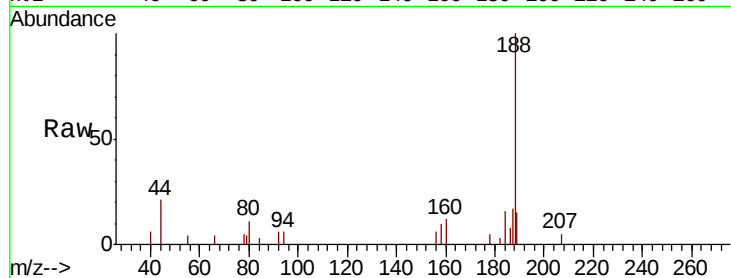




#71
Phenanthrene
Concen: 0.011 ng
RT: 17.33 min Scan# 2424
Delta R.T. -0.01 min
Lab File: BG044267.D
Acq: 31 Jan 2020 19:44

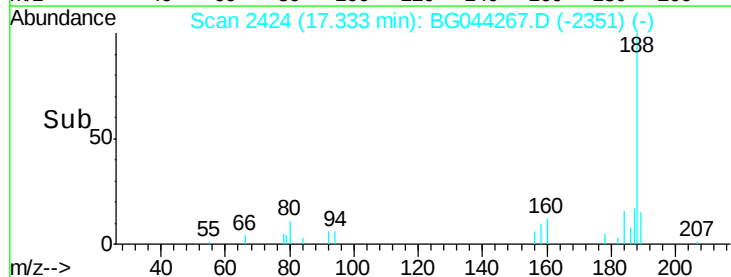
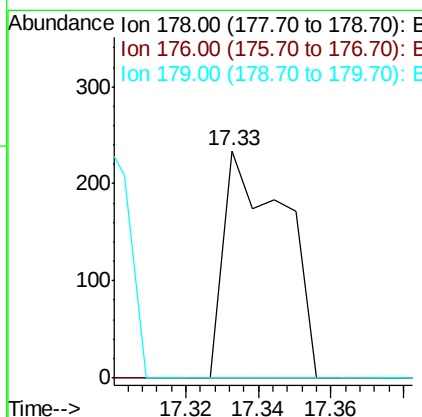
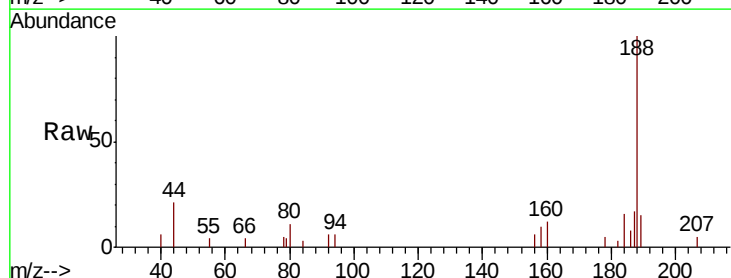
Instrument :
BNA_G
ClientSampleId :

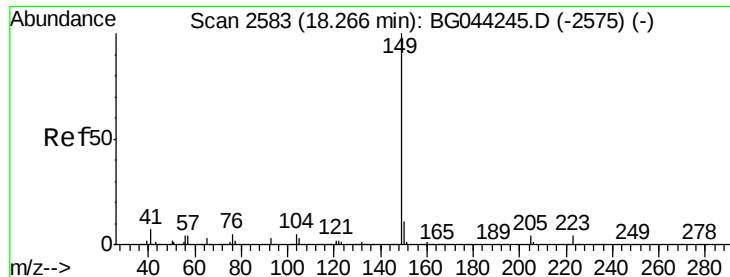
Tot Ion:178 Resp: 269
Ion Ratio Lower Upper
178 100
176 0.0 17.7 26.5#
179 0.0 13.7 20.5#



#72
Anthracene
Concen: 0.011 ng
RT: 17.33 min Scan# 2424
Delta R.T. -0.10 min
Lab File: BG044267.D
Acq: 31 Jan 2020 19:44

Tgt Ion:178 Resp: 269
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: 0.027 ng

RT: 18.27 min Scan# 2584

Delta R.T. 0.01 min

Lab File: BG044267.D

Acq: 31 Jan 2020 19:44

Instrument :

BNA_G

ClientSampleId :

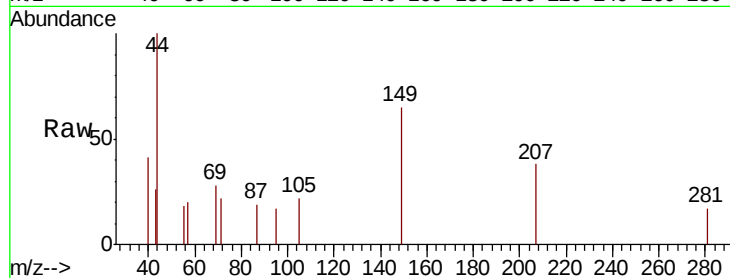
Tot Ion:149 Resp: 782

Ion Ratio Lower Upper

149 100

150 0.0 8.7 13.1#

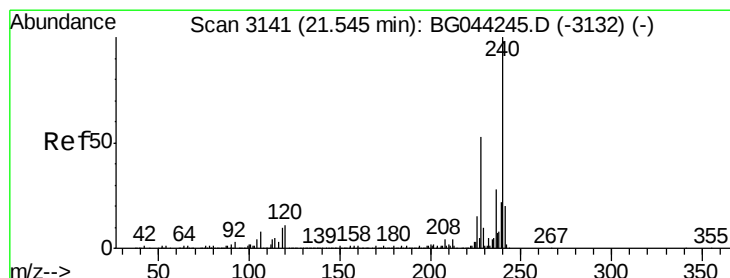
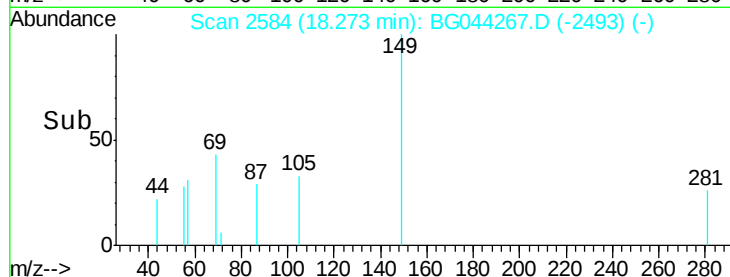
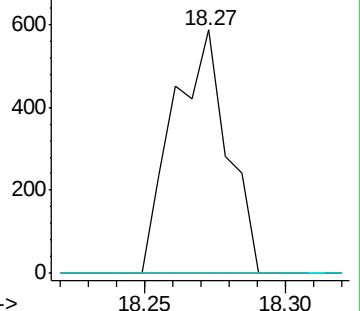
104 0.0 4.3 6.5#



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.54 min Scan# 3140

Delta R.T. -0.01 min

Lab File: BG044267.D

Acq: 31 Jan 2020 19:44

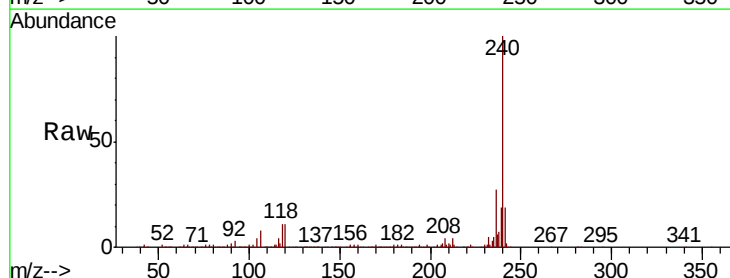
Tgt Ion:240 Resp: 469365

Ion Ratio Lower Upper

240 100

120 11.0 8.4 12.6

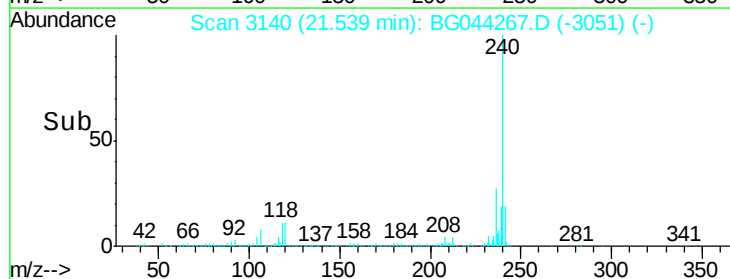
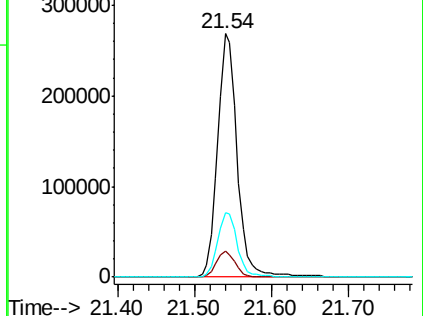
236 26.7 22.1 33.1

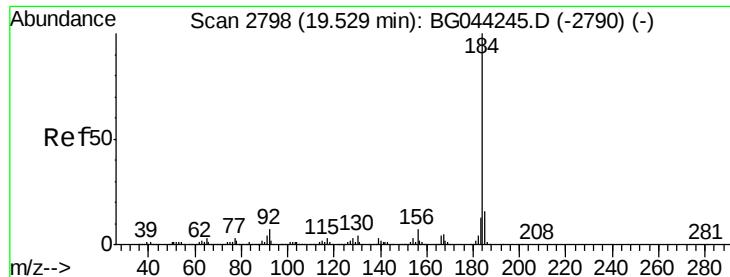


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 1.817 ng

RT: 19.91 min Scan# 2863

Delta R.T. 0.38 min

Lab File: BG044267.D

Acq: 31 Jan 2020 19:44

Instrument :

BNA_G

ClientSampleId :

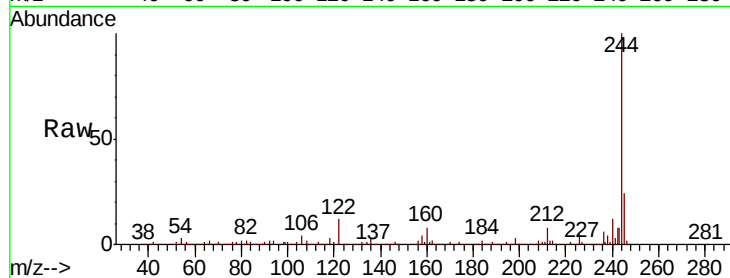
Tot Ion:184 Resp: 23655

Ion Ratio Lower Upper

184 100

185 15.1 12.9 19.3

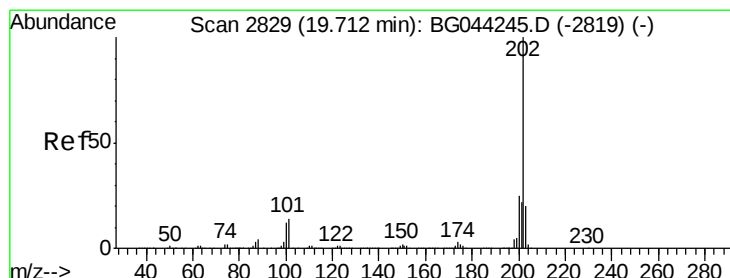
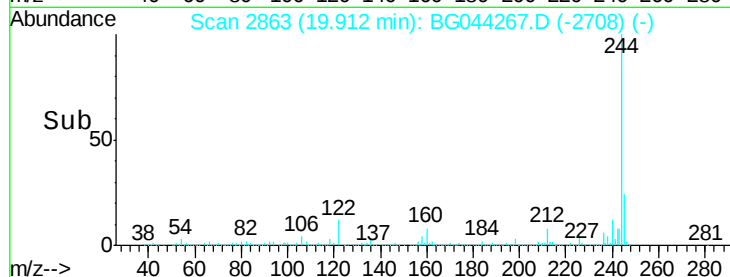
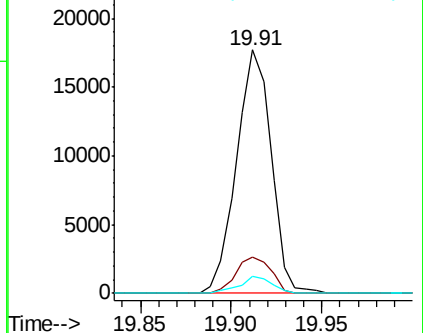
183 7.1 10.8 16.2#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 0.167 ng

RT: 19.91 min Scan# 2863

Delta R.T. 0.20 min

Lab File: BG044267.D

Acq: 31 Jan 2020 19:44

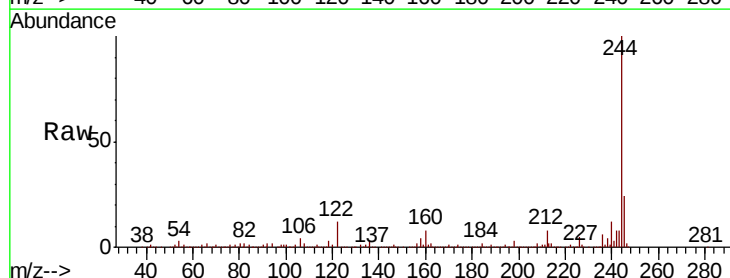
Tgt Ion:202 Resp: 5027

Ion Ratio Lower Upper

202 100

200 49.5 20.0 30.0#

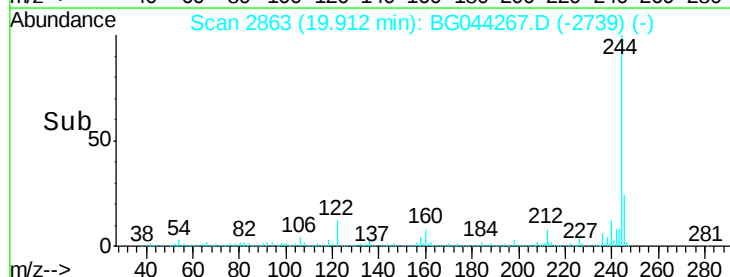
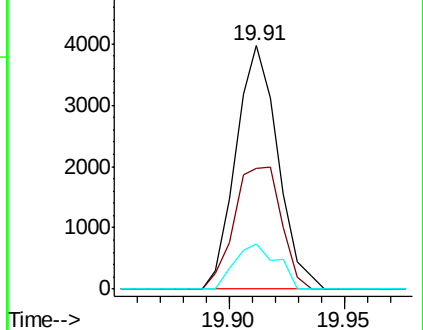
203 18.4 16.2 24.2

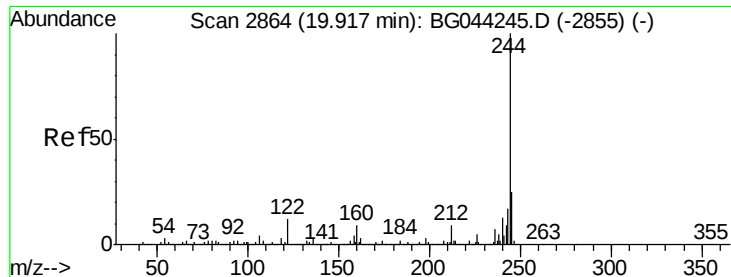


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 64.417 ng

RT: 19.91 min Scan# 2863

Delta R.T. -0.01 min

Lab File: BG044267.D

Acq: 31 Jan 2020 19:44

Instrument :

BNA_G

ClientSampled :

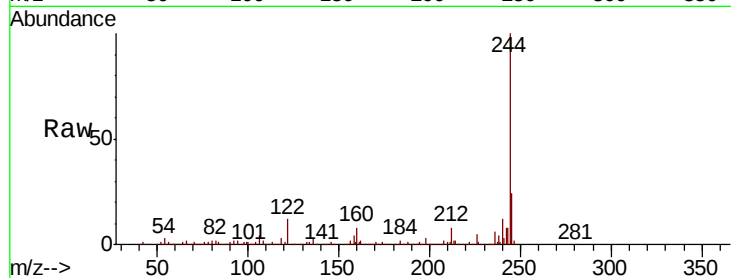
Tot Ion:244 Resp: 1469951

Ion Ratio Lower Upper

244 100

212 8.4 7.4 11.2

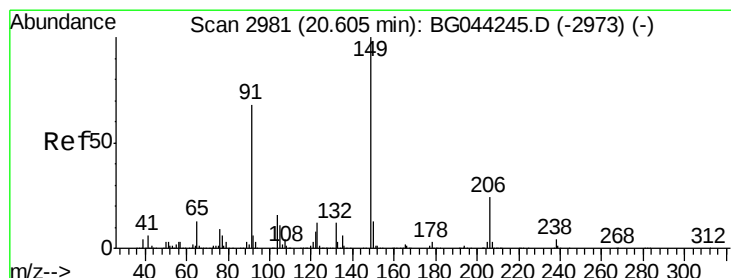
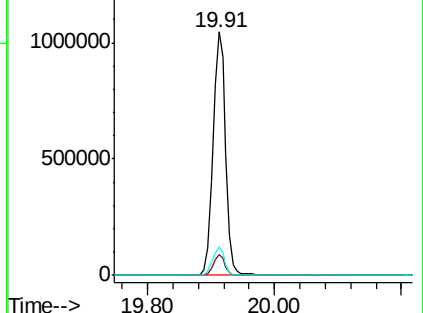
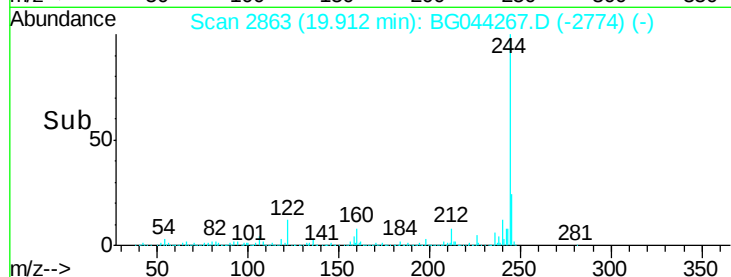
122 11.8 9.8 14.6



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: 0.009 ng

RT: 20.61 min Scan# 2981

Delta R.T. 0.00 min

Lab File: BG044267.D

Acq: 31 Jan 2020 19:44

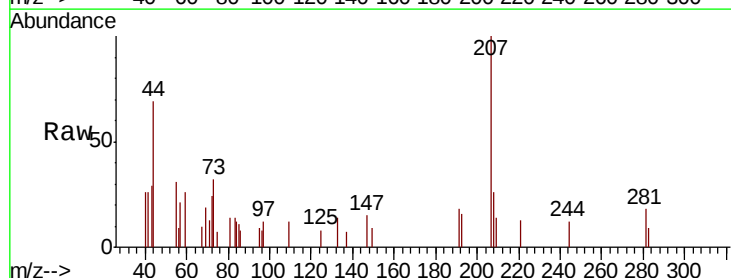
Tgt Ion:149 Resp: 124

Ion Ratio Lower Upper

149 100

91 0.0 54.5 81.7#

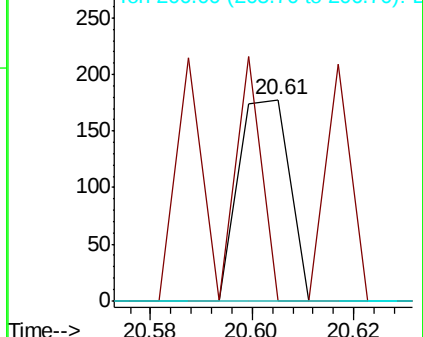
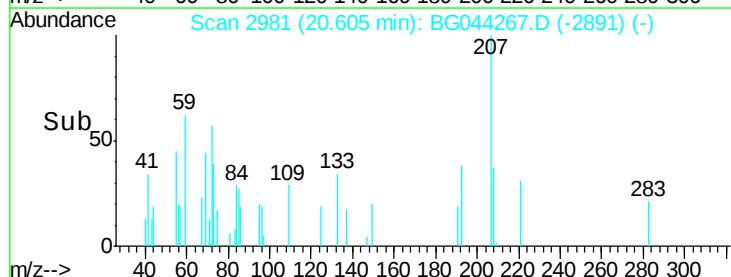
206 0.0 19.1 28.7#

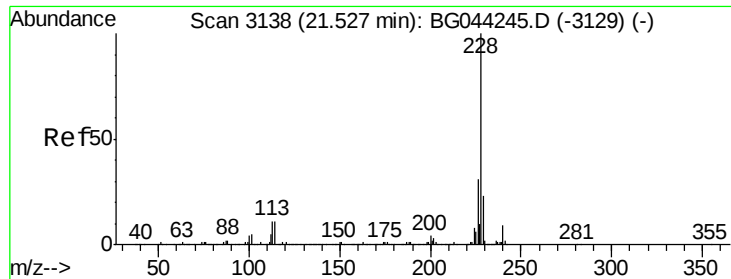


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E

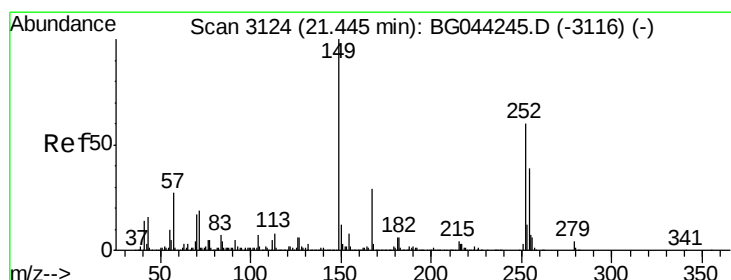
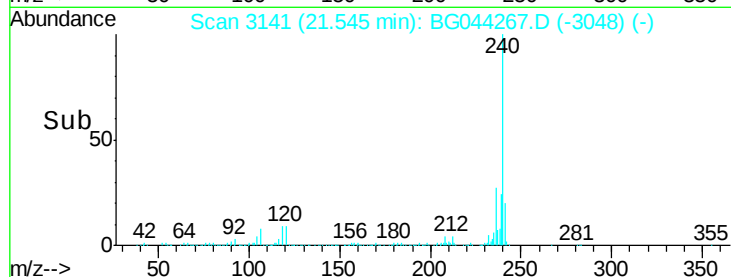
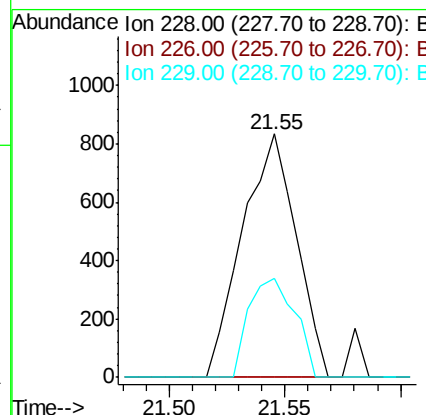
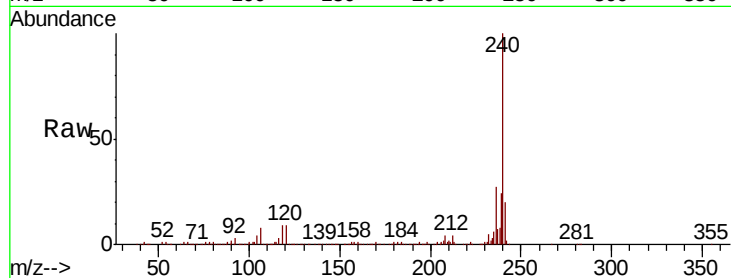




#81
Benzo(a)anthracene
Concen: 0.047 ng
RT: 21.55 min Scan# 3141
Delta R.T. 0.02 min
Lab File: BG044267.D
Acq: 31 Jan 2020 19:44

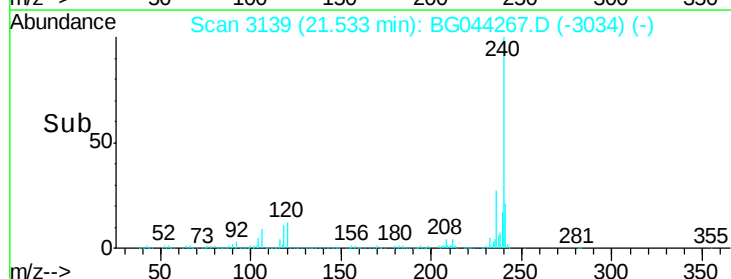
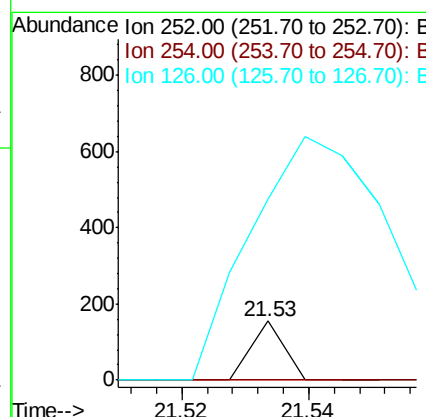
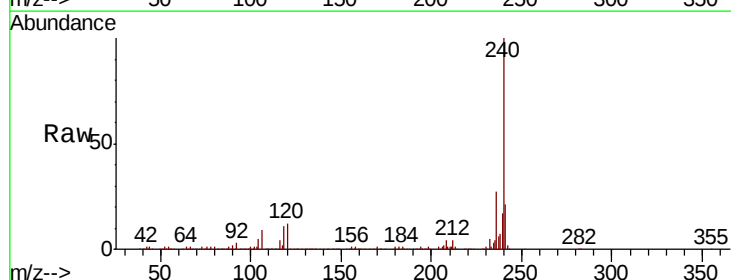
Instrument :
BNA_G
ClientSampled :

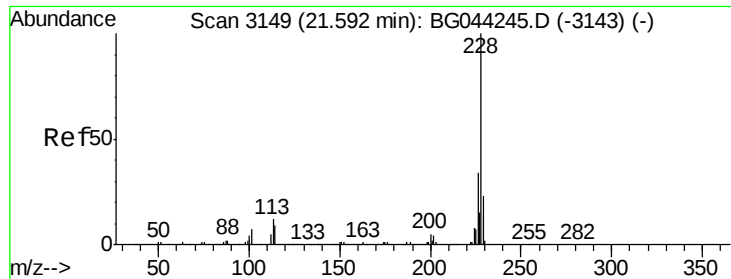
Tot Ion:228 Resp: 1351
Ion Ratio Lower Upper
228 100
226 0.0 24.7 37.1#
229 40.8 18.2 27.4#



#82
3,3'-Dichlorobenzidine
Concen: 0.005 ng
RT: 21.53 min Scan# 3139
Delta R.T. 0.09 min
Lab File: BG044267.D
Acq: 31 Jan 2020 19:44

Tgt Ion:252 Resp: 55
Ion Ratio Lower Upper
252 100
254 0.0 52.6 78.8#
126 305.8 8.2 12.4#





#83

Chrysene

Concen: 0.002 ng

RT: 21.58 min Scan# 3147

Delta R.T. -0.01 min

Lab File: BG044267.D

Acq: 31 Jan 2020 19:44

Instrument :

BNA_G

ClientSampleId :

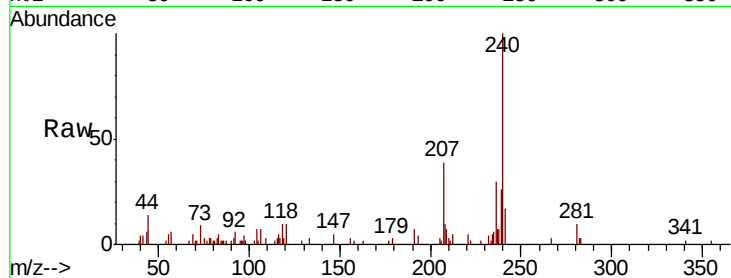
Tot Ion:228 Resp: 60

Ion Ratio Lower Upper

228 100

226 0.0 27.1 40.7#

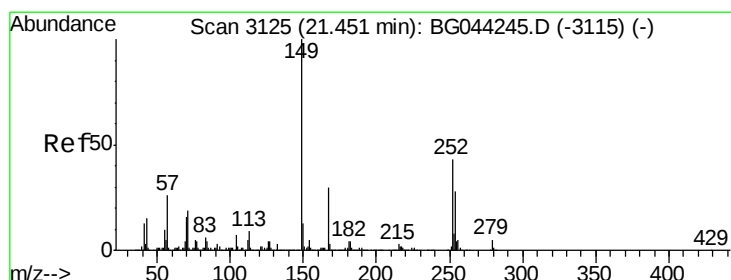
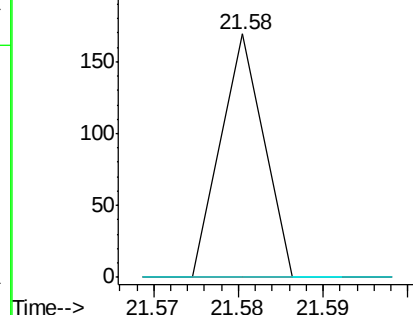
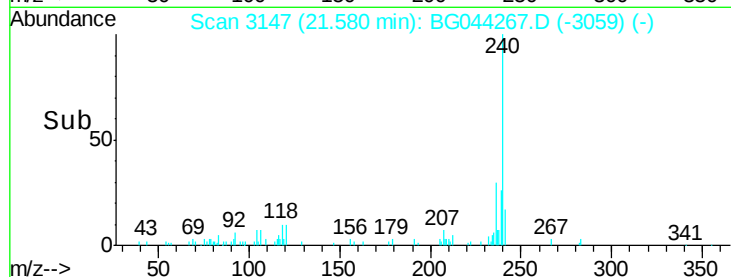
229 0.0 17.9 26.9#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 0.154 ng

RT: 21.45 min Scan# 3124

Delta R.T. -0.01 min

Lab File: BG044267.D

Acq: 31 Jan 2020 19:44

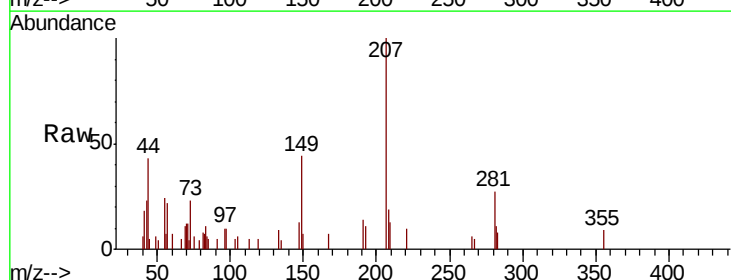
Tgt Ion:149 Resp: 2920

Ion Ratio Lower Upper

149 100

167 16.3 24.0 36.0#

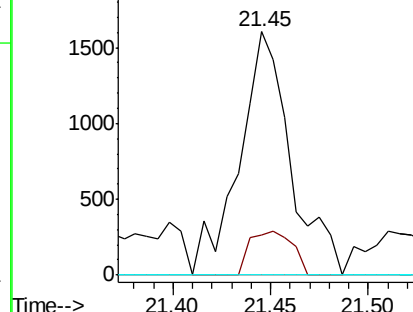
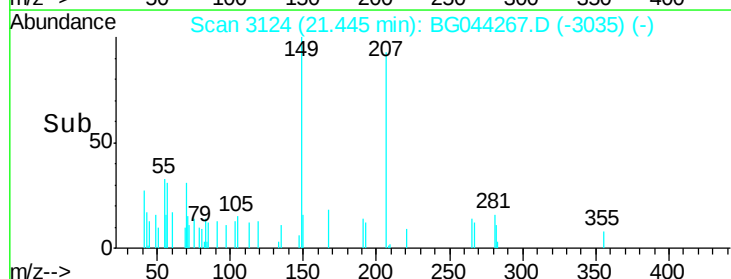
279 0.0 3.8 5.8#

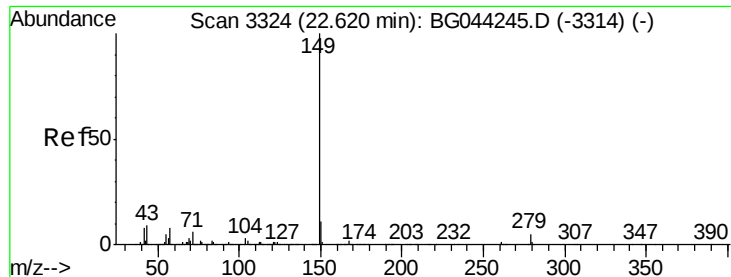


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

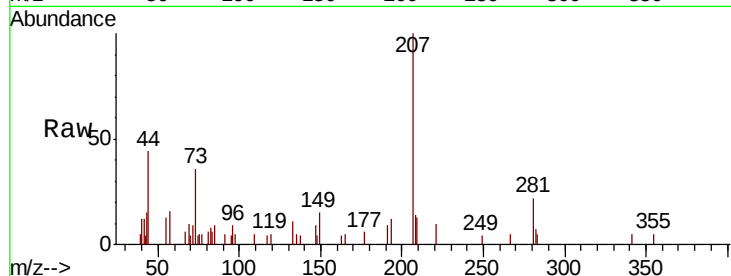




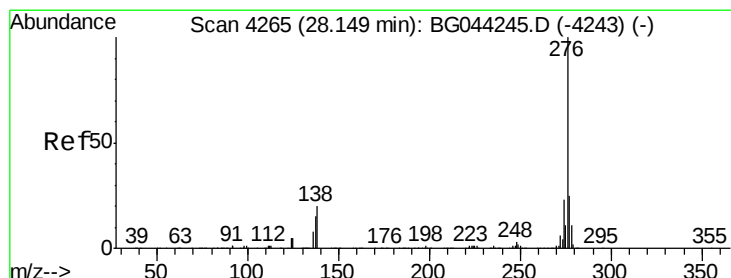
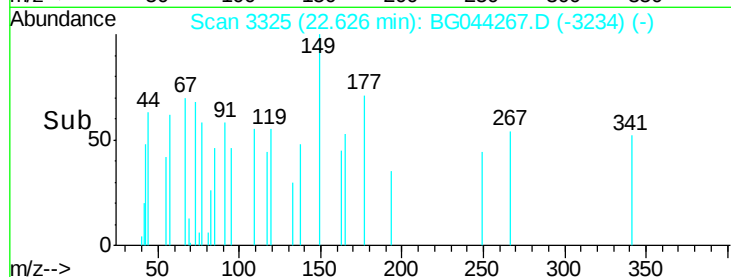
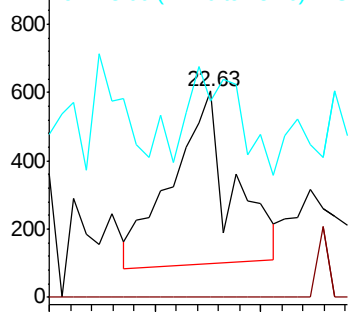
#85
Di-n-octyl phthalate
Concen: 0.030 ng
RT: 22.63 min Scan# 3325
Delta R.T. 0.01 min
Lab File: BG044267.D
Acq: 31 Jan 2020 19:44

Instrument :
BNA_G
ClientSampled :

Tot Ion:149 Resp: 990
Ion Ratio Lower Upper
149 100
167 0.0 1.3 1.9#
43 58.7 7.4 11.0#

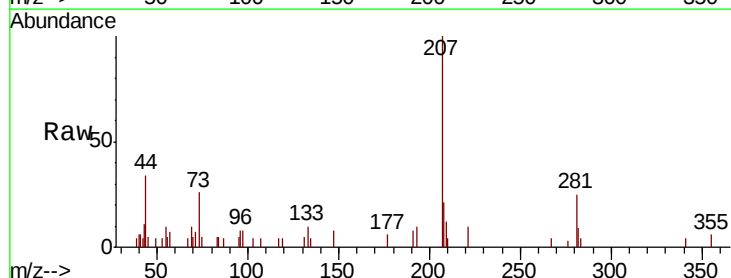


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BGC

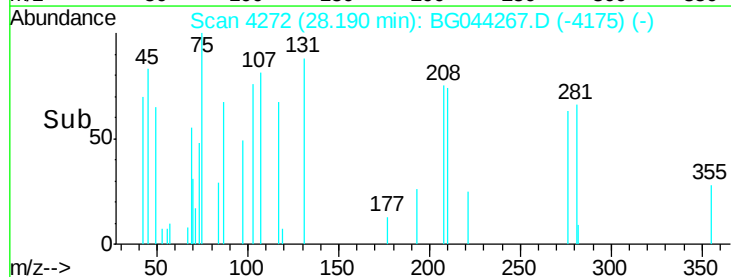
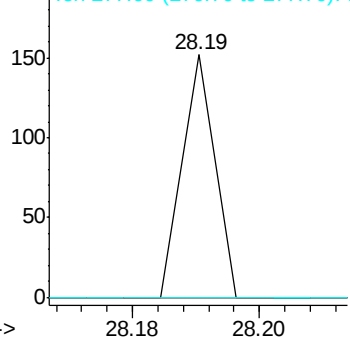


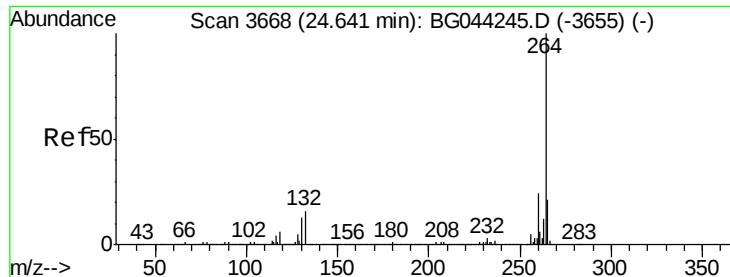
#86
Indeno(1,2,3-cd)pyrene
Concen: 0.001 ng
RT: 28.19 min Scan# 4272
Delta R.T. 0.04 min
Lab File: BG044267.D
Acq: 31 Jan 2020 19:44

Tgt Ion:276 Resp: 54
Ion Ratio Lower Upper
276 100
138 0.0 19.4 29.0#
277 0.0 21.0 31.6#



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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.64 min Scan# 3668

Delta R.T. 0.00 min

Lab File: BG044267.D

Acq: 31 Jan 2020 19:44

Instrument :

BNA_G

ClientSampleId :

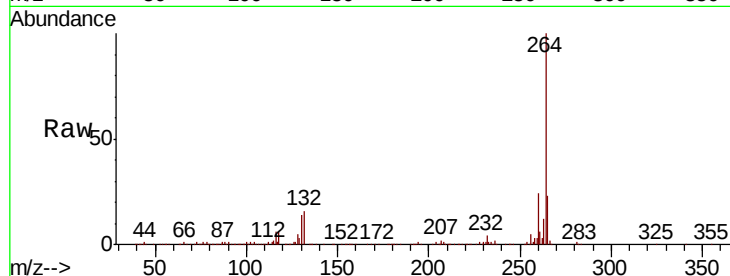
Tot Ion:264 Resp: 500455

Ion Ratio Lower Upper

264 100

260 23.9 19.4 29.2

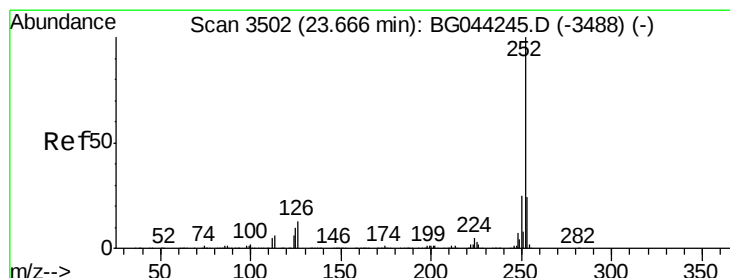
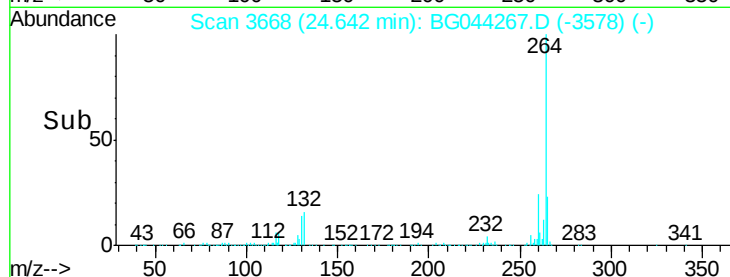
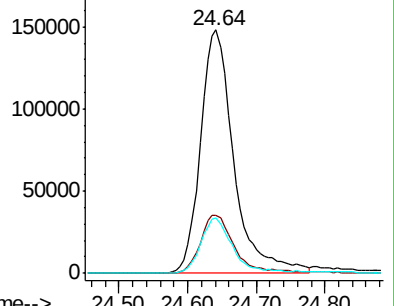
265 23.0 16.7 25.1



Abundance Ion 264.00 (263.70 to 264.70): E

200000 Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 0.020 ng

RT: 23.68 min Scan# 3504

Delta R.T. 0.01 min

Lab File: BG044267.D

Acq: 31 Jan 2020 19:44

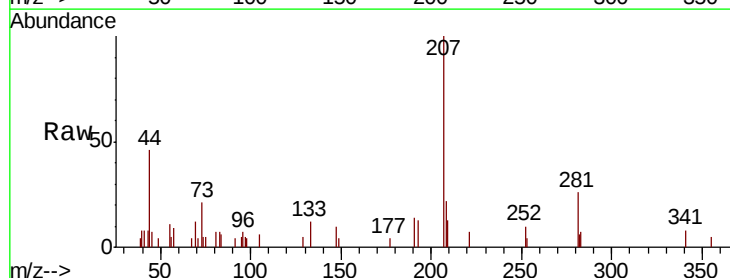
Tgt Ion:252 Resp: 564

Ion Ratio Lower Upper

252 100

253 39.0 19.2 28.8#

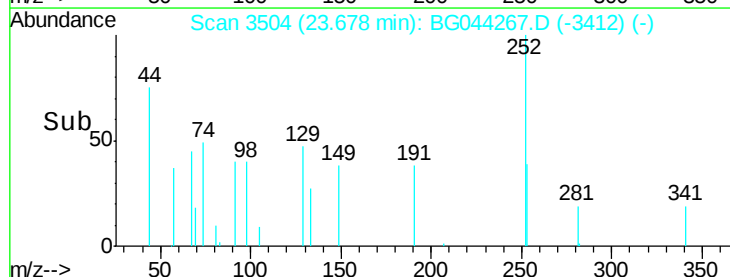
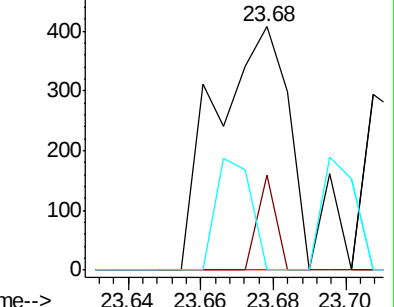
125 0.0 8.4 12.6#

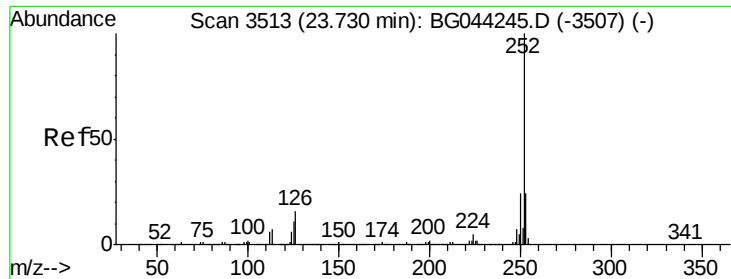


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

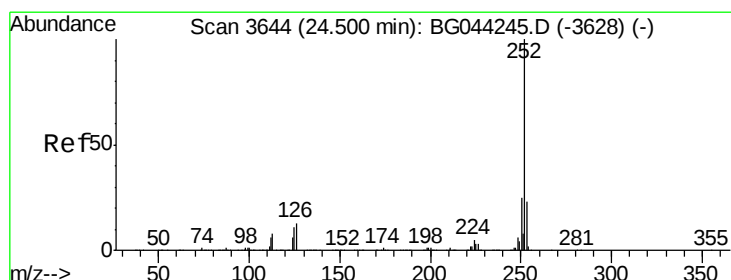
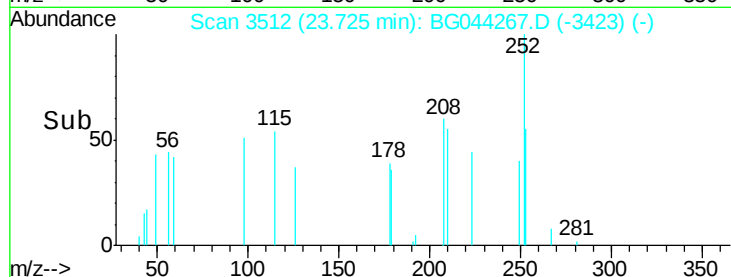
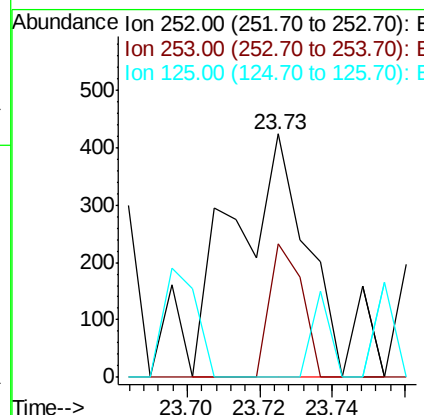
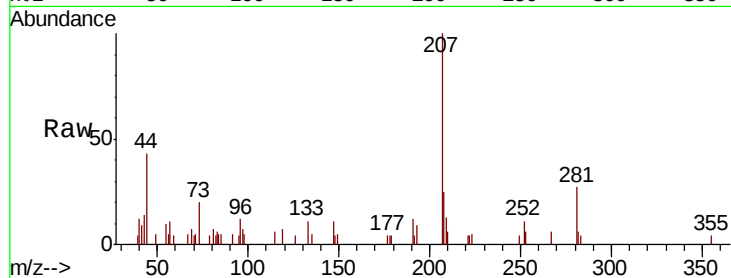




#89
Benzo(k)fluoranthene
Concen: 0.021 ng
RT: 23.73 min Scan# 3512
Delta R.T. -0.01 min
Lab File: BG044267.D
Acq: 31 Jan 2020 19:44

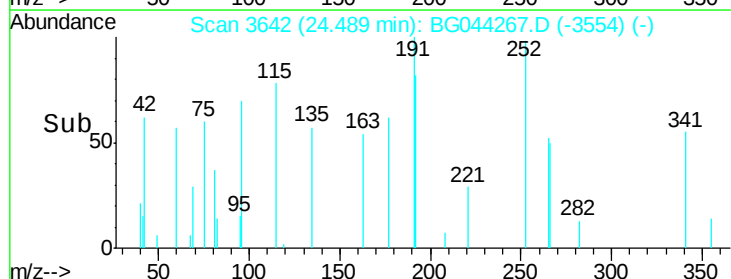
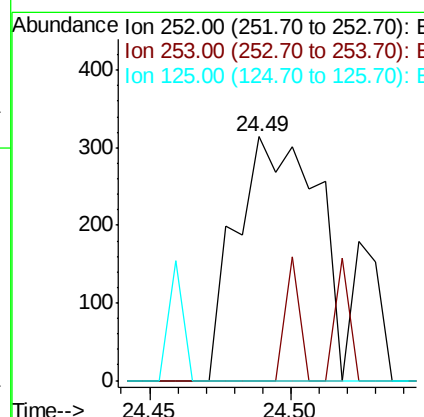
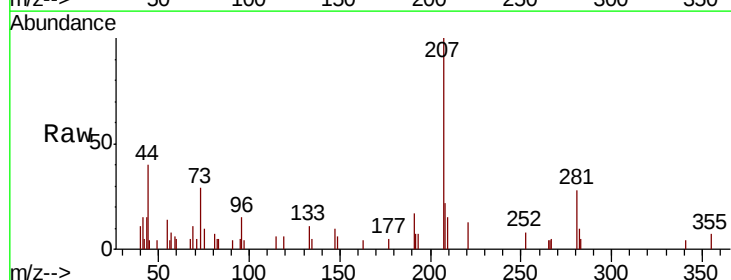
Instrument :
BNA_G
ClientSampleId :

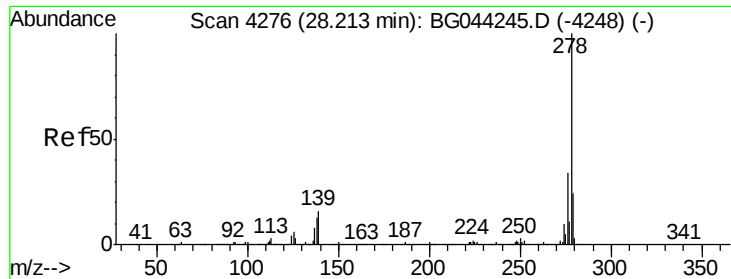
Tot Ion:252 Resp: 579
Ion Ratio Lower Upper
252 100
253 54.7 19.1 28.7#
125 0.0 8.6 12.8#



#90
Benzo(a)pyrene
Concen: 0.023 ng
RT: 24.49 min Scan# 3642
Delta R.T. -0.01 min
Lab File: BG044267.D
Acq: 31 Jan 2020 19:44

Tgt Ion:252 Resp: 625
Ion Ratio Lower Upper
252 100
253 0.0 18.1 27.1#
125 0.0 8.6 13.0#





#91

Dibenzo(a,h)anthracene

Concen: 0.002 ng

RT: 28.24 min Scan# 4281

Delta R.T. 0.03 min

Lab File: BG044267.D

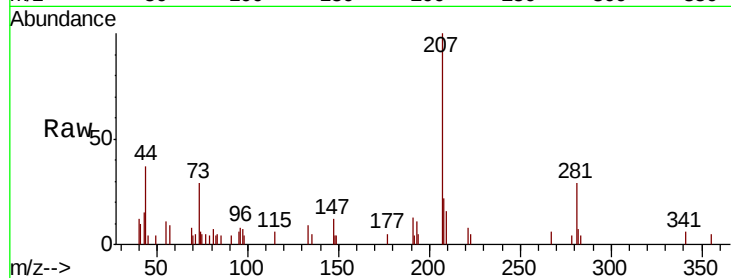
Acq: 31 Jan 2020 19:44

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	278	Resp:	54
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

