

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021220\
 Data File : BG044413.D
 Acq On : 12 Feb 2020 17:49
 Operator : CG/JU
 Sample : L1491-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 13 01:05:56 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 10 16:11:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	61763	20.00	ng	0.00
21) Naphthalene-d8	10.70	136	259765	20.00	ng	0.00
39) Acenaphthene-d10	14.54	164	186384	20.00	ng	0.00
64) Phenanthrene-d10	17.28	188	475576	20.00	ng	0.00
76) Chrysene-d12	21.53	240	447103	20.00	ng	0.00
87) Perylene-d12	24.62	264	464017	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	401066	114.60	ng	0.00
7) Phenol-d6	7.07	99	536645	114.19	ng	0.00
23) Nitrobenzene-d5	9.06	82	319387	69.41	ng	0.00
42) 2,4,6-Tribromophenol	16.03	330	250779	114.61	ng	0.00
45) 2-Fluorobiphenyl	13.16	172	783053	70.35	ng	0.00
79) Terphenyl-d14	19.90	244	1364938	62.79	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.36	88	77	0.049	ng	# 16
3) Pyridine	3.42	79	117	0.028	ng	# 1
4) n-Nitrosodimethylamine	3.66	42	218	0.125	ng	# 1
9) Benzaldehyde	7.08	77	677	0.253	ng	# 1
10) Phenol	7.10	94	4700	1.011	ng	# 29
15) Benzyl Alcohol	8.22	79	5050	1.518	ng	# 42
19) n-Nitroso-di-n-propylamine	9.05	70	40932	13.069	ng	# 76
24) Nitrobenzene	9.06	77	918	0.204	ng	# 35
25) Isophorone	9.66	82	126	0.015	ng	# 64
46) 1,1'-Biphenyl	13.37	154	1818	0.135	ng	# 79
48) 2-Nitroaniline	14.00	65	286	0.091	ng	# 1
49) Acenaphthylene	14.60	152	194	0.012	ng	# 1
50) Dimethylphthalate	13.99	163	32114	2.397	ng	# 94
51) 2,6-Dinitrotoluene	14.54	165	24350	8.151	ng	# 29
52) Acenaphthene	14.60	154	274	0.027	ng	# 68
55) Dibenzofuran	14.96	168	108	0.007	ng	# 45
57) 2,4-Dinitrotoluene	14.54	165	24350	5.816	ng	# 27
58) Fluorene	15.60	166	372	0.031	ng	# 74
63) Azobenzene	16.03	77	1225	0.105	ng	# 8
65) 4,6-Dinitro-2-methylphenol	16.03	198	794	0.302	ng	# 1
66) n-Nitrosodiphenylamine	16.03	169	8617	0.647	ng	# 47
67) 4-Bromophenyl-phenylether	16.03	248	17016	3.284	ng	# 1
71) Phenanthrene	17.32	178	480	0.021	ng	# 57
72) Anthracene	17.42	178	314	0.014	ng	# 57
73) Carbazole	17.71	167	1145	0.055	ng	# 56
74) Di-n-butylphthalate	18.25	149	563	0.022	ng	# 75
75) Fluoranthene	19.34	202	1760	0.066	ng	# 77
77) Benzidine	19.90	184	20738	1.672	ng	# 91
78) Pyrene	19.70	202	1576	0.055	ng	# 89
80) Butylbenzylphthalate	20.59	149	358	0.027	ng	# 69
81) Benzo(a)anthracene	21.51	228	2927	0.106	ng	# 95
83) Chrysene	21.57	228	1550	0.058	ng	# 90
84) Bis(2-ethylhexyl)phthalate	21.44	149	825	0.046	ng	# 50
85) Di-n-octyl phthalate	22.59	149	918	0.029	ng	# 54

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QLast Update : Mon Feb 10 16:11:50 2020
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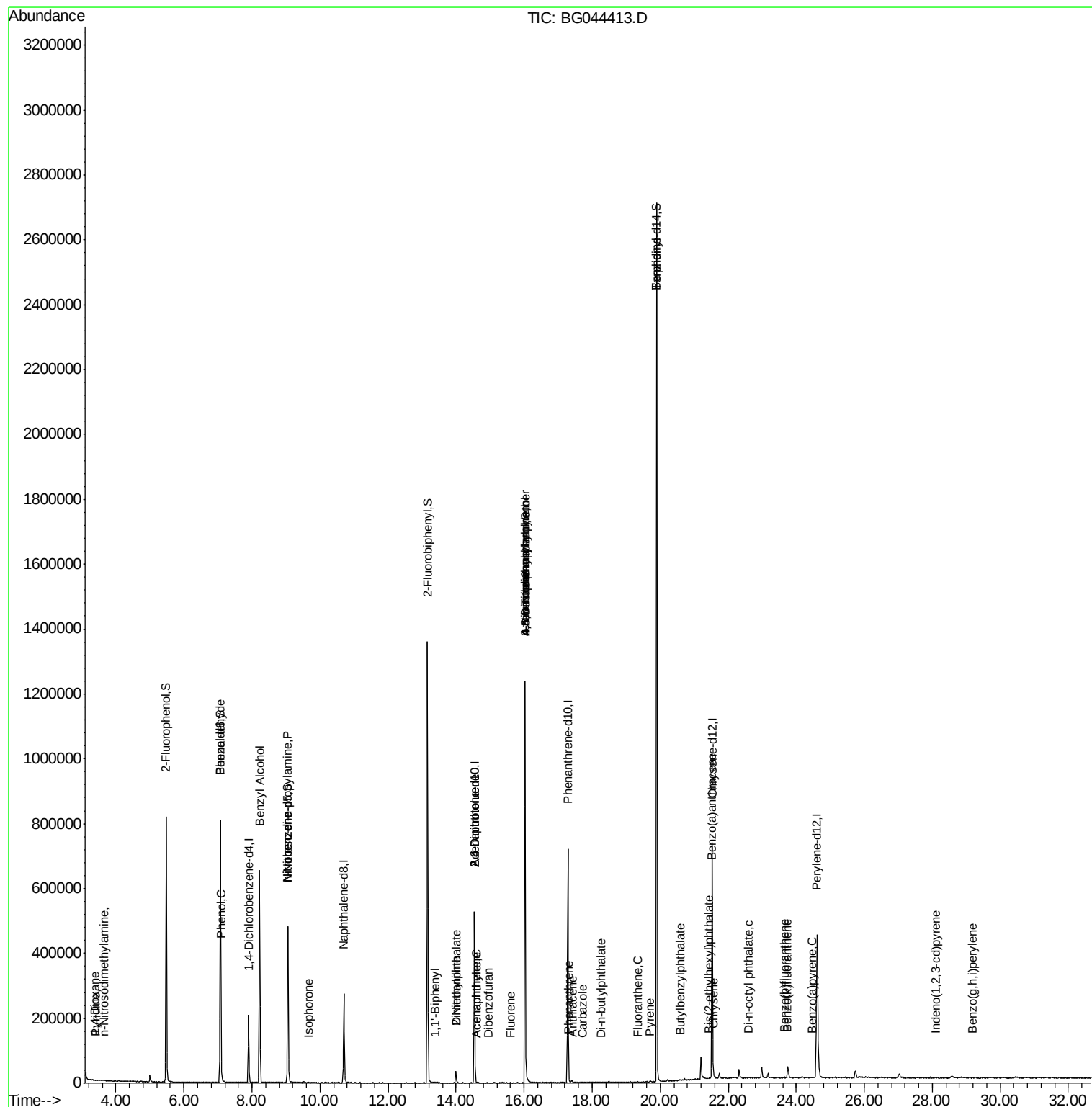
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) Indeno(1,2,3-cd)pyrene	28.11	276	59	0.002	ng	# 50
88) Benzo(b)fluoranthene	23.65	252	1464	0.055	ng	# 58
89) Benzo(k)fluoranthene	23.72	252	1017	0.039	ng	# 68
90) Benzo(a)pyrene	24.46	252	706	0.028	ng	# 37
92) Benzo(g,h,i)perylene	29.20	276	77	0.003	ng	# 54

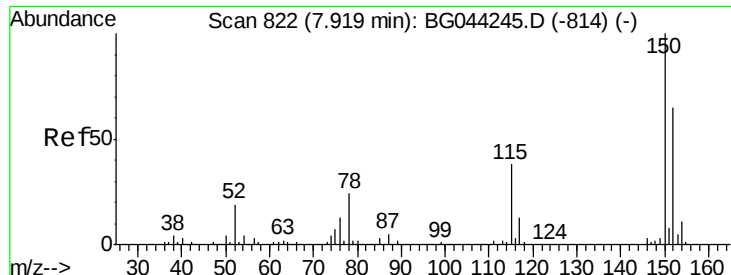
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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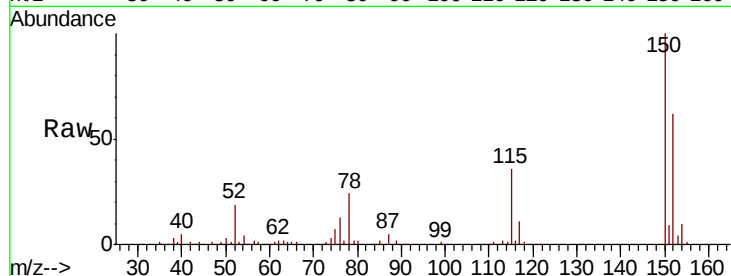


#1

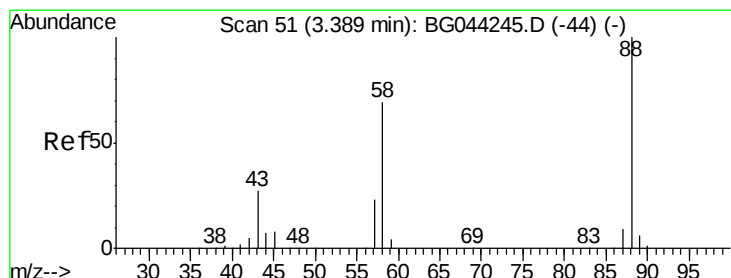
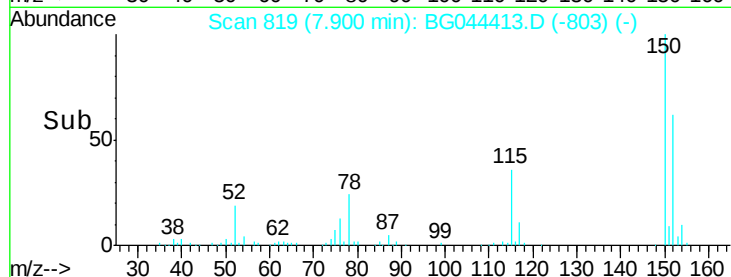
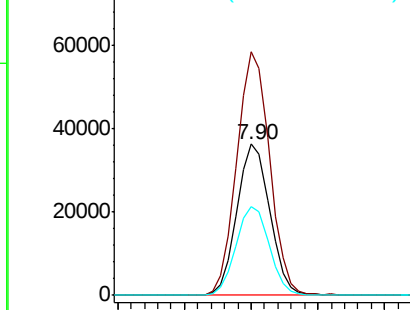
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.90 min Scan# 819
Delta R.T. -0.01 min
Lab File: BG044413.D
Acq: 12 Feb 2020 17:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.1	122.6	183.8
115	58.5	46.0	69.0



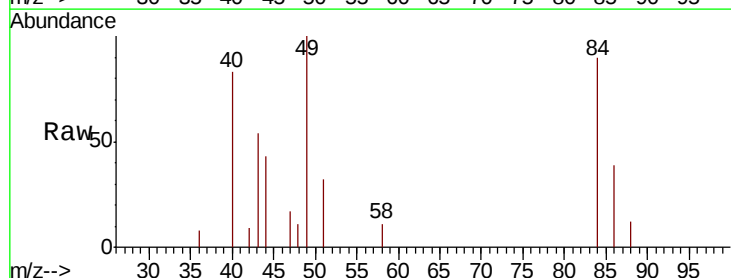
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



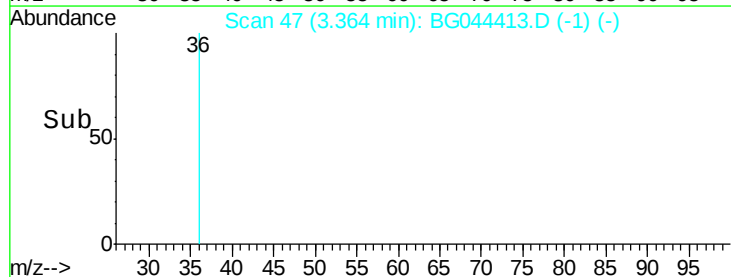
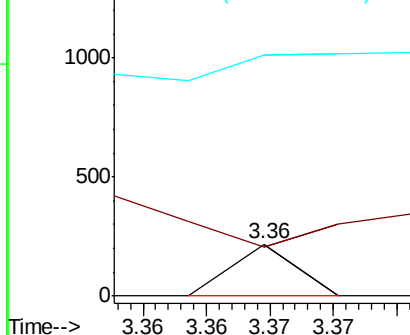
#2

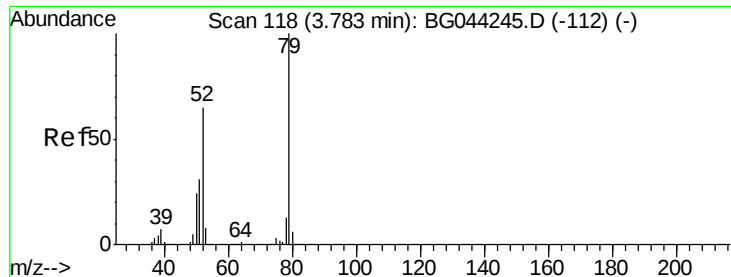
1,4-Dioxane
Concen: 0.049 ng
RT: 3.36 min Scan# 47
Delta R.T. 0.00 min
Lab File: BG044413.D
Acq: 12 Feb 2020 17:49

Tgt Ion	Ratio	Lower	Upper
88	100		
58	148.1	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: 0.028 ng

RT: 3.42 min Scan# 56

Delta R.T. -0.35 min

Lab File: BG044413.D

Acq: 12 Feb 2020 17:49

Instrument :

BNA_G

ClientSampleId :

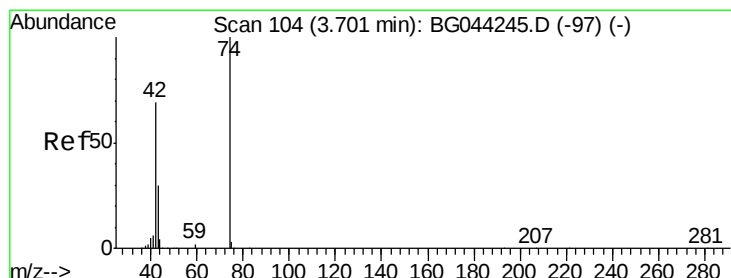
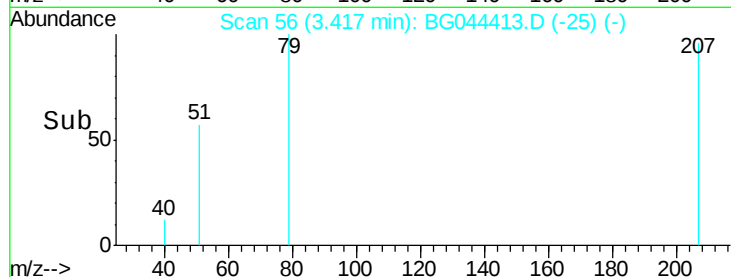
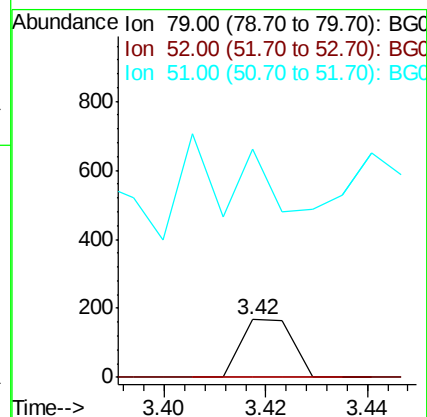
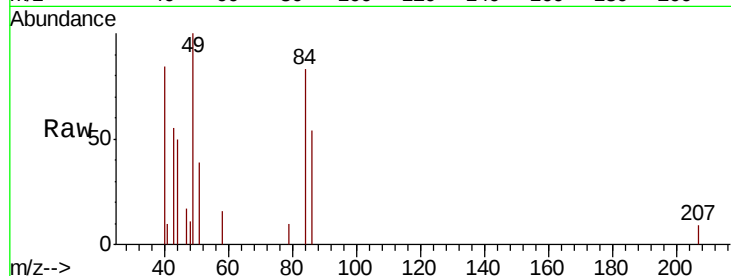
Tot Ion: 79 Resp: 117

Ion Ratio Lower Upper

79 100

52 0.0 51.9 77.9#

51 395.8 25.3 37.9#



#4

n-Nitrosodimethylamine

Concen: 0.125 ng

RT: 3.66 min Scan# 97

Delta R.T. -0.02 min

Lab File: BG044413.D

Acq: 12 Feb 2020 17:49

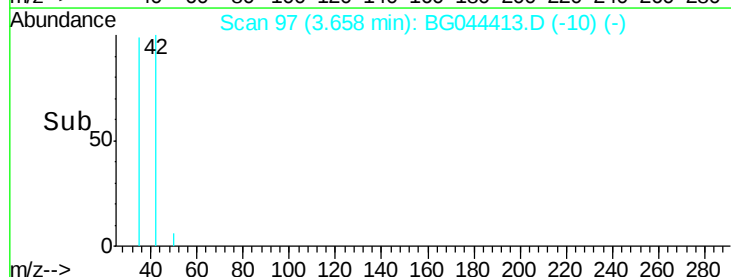
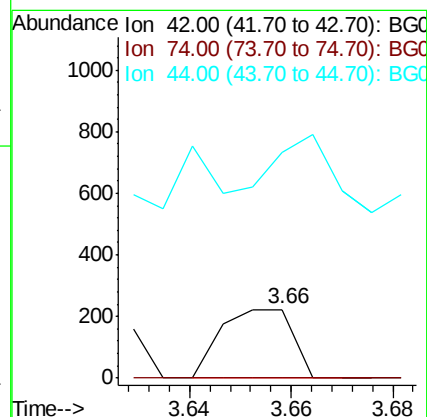
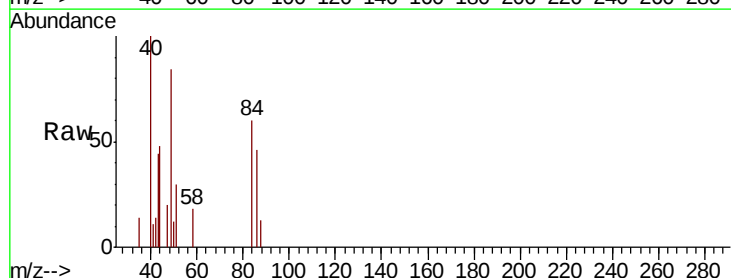
Tgt Ion: 42 Resp: 218

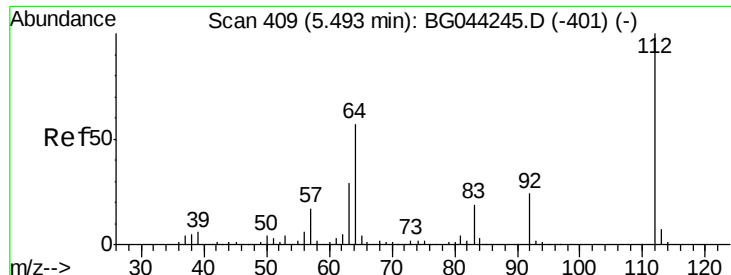
Ion Ratio Lower Upper

42 100

74 0.0 115.1 172.7#

44 328.7 5.6 8.4#





#5

2-Fluorophenol

Concen: 114.602 ng

RT: 5.48 min Scan# 407

Delta R.T. 0.00 min

Lab File: BG044413.D

Acq: 12 Feb 2020 17:49

Instrument :

BNA_G

ClientSampleId :

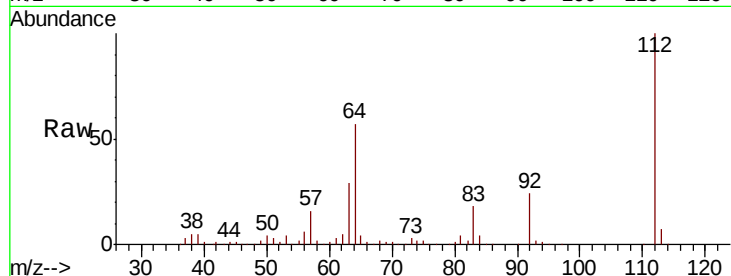
Tot Ion:112 Resp: 401066

Ion Ratio Lower Upper

112 100

64 57.1 45.4 68.2

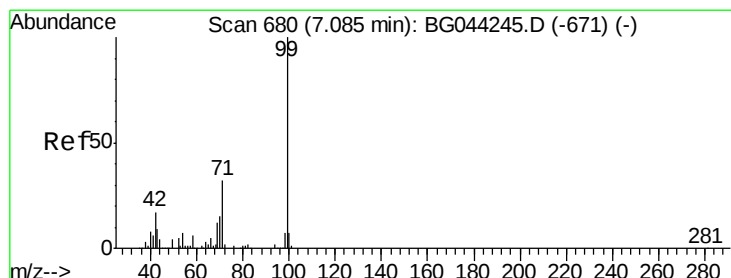
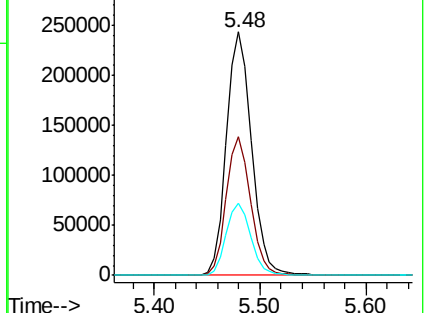
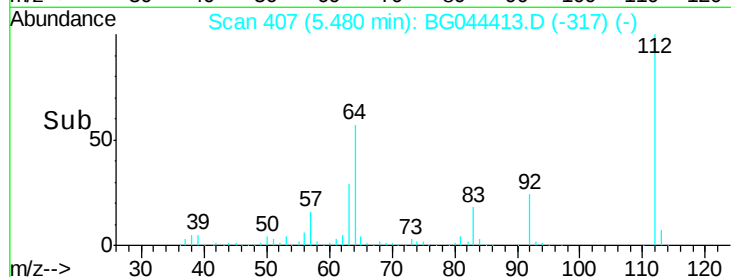
63 29.4 22.9 34.3



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 114.192 ng

RT: 7.07 min Scan# 678

Delta R.T. -0.01 min

Lab File: BG044413.D

Acq: 12 Feb 2020 17:49

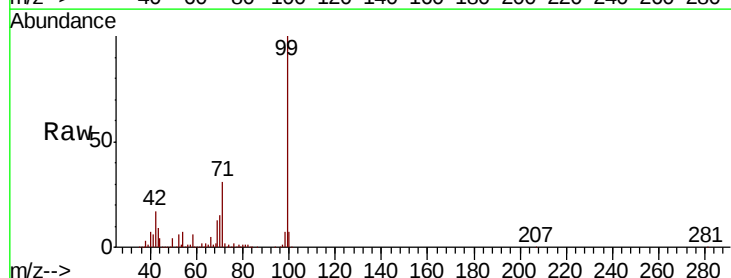
Tgt Ion: 99 Resp: 536645

Ion Ratio Lower Upper

99 100

42 17.1 13.8 20.6

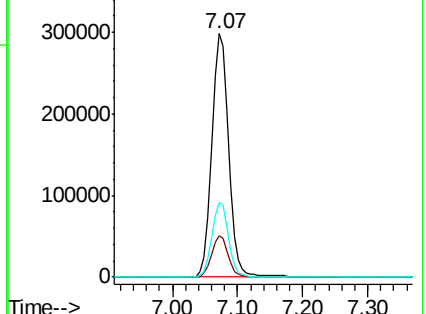
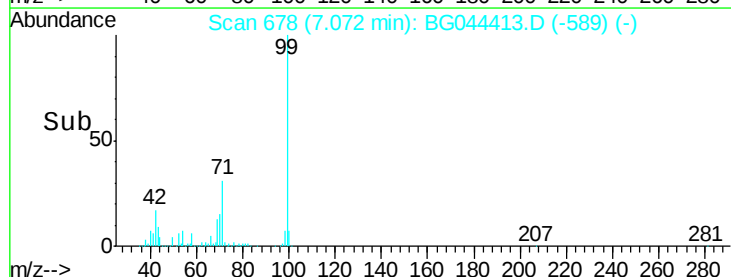
71 30.7 25.5 38.3

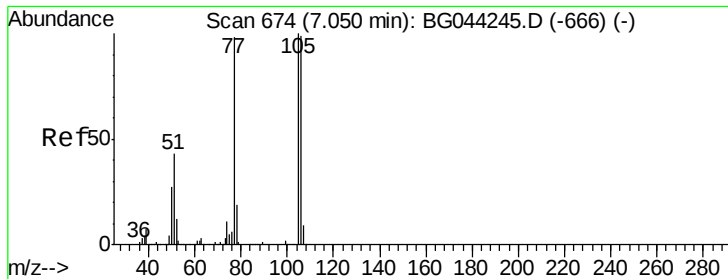


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#9

Benzaldehyde

Concen: 0.253 ng

RT: 7.08 min Scan# 679

Delta R.T. 0.04 min

Lab File: BG044413.D

Acq: 12 Feb 2020 17:49

Instrument :

BNA_G

ClientSampleId :

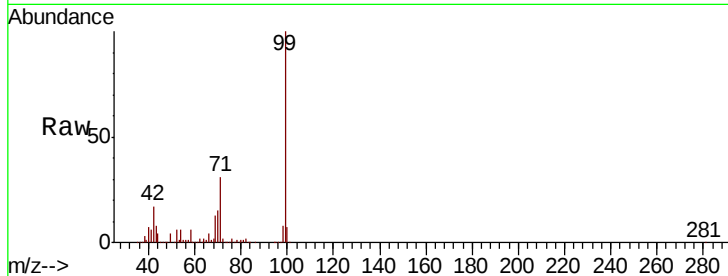
Tot Ion: 77 Resp: 677

Ion Ratio Lower Upper

77 100

105 0.0 82.0 122.0#

106 0.0 80.7 120.7#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC

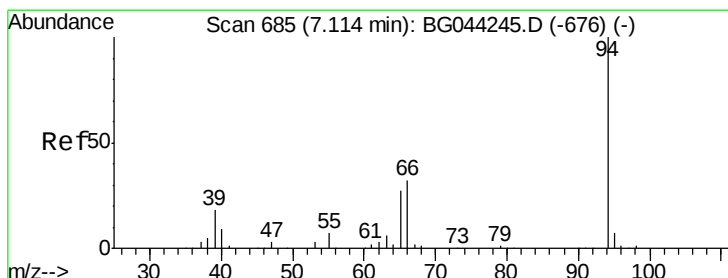
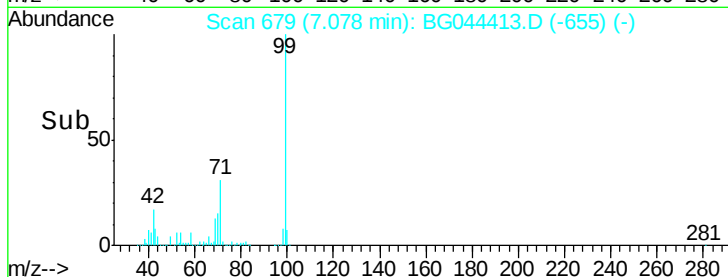
7.08

400

200

0

Time-->



#10

Phenol

Concen: 1.011 ng

RT: 7.10 min Scan# 682

Delta R.T. -0.01 min

Lab File: BG044413.D

Acq: 12 Feb 2020 17:49

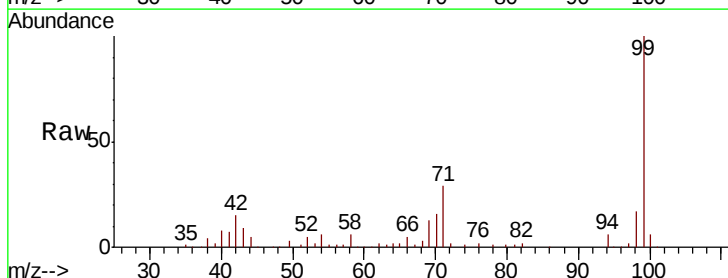
Tgt Ion: 94 Resp: 4700

Ion Ratio Lower Upper

94 100

65 39.6 7.0 47.0

66 94.8 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

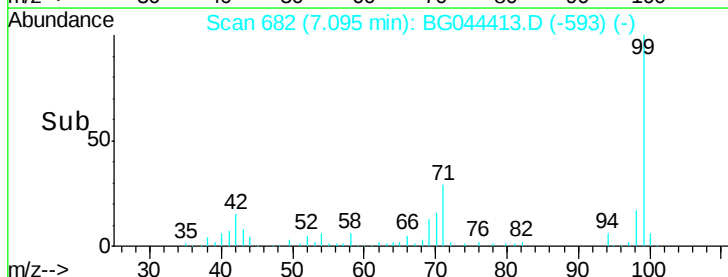
15000

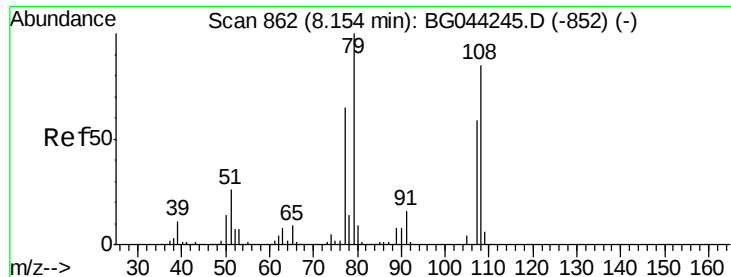
10000

5000

0

Time-->





#15

Benzyl Alcohol

Concen: 1.518 ng

RT: 8.22 min Scan# 874

Delta R.T. 0.08 min

Lab File: BG044413.D

Acq: 12 Feb 2020 17:49

Instrument :

BNA_G

ClientSampleId :

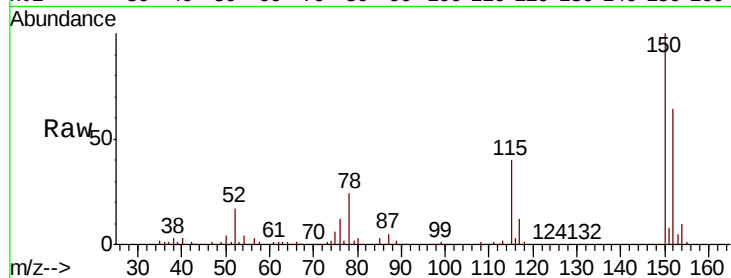
Tot Ion: 79 Resp: 5050

Ion Ratio Lower Upper

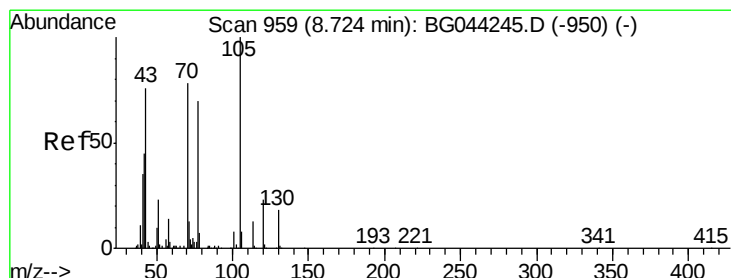
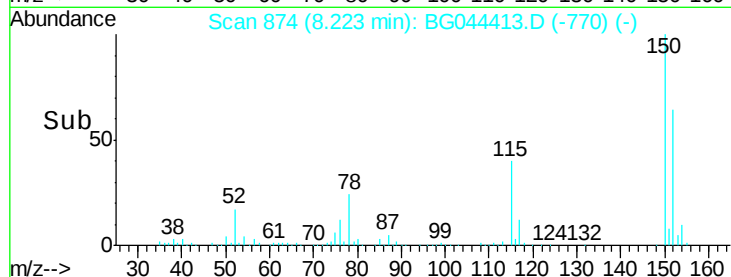
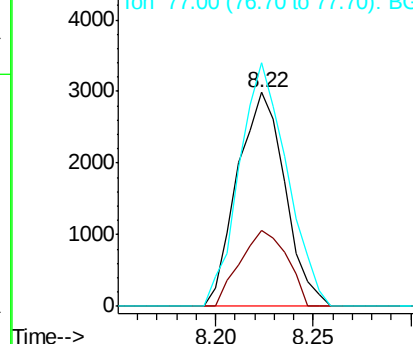
79 100

108 35.4 68.3 102.5#

77 113.8 51.8 77.8#



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.069 ng

RT: 9.05 min Scan# 1015

Delta R.T. 0.34 min

Lab File: BG044413.D

Acq: 12 Feb 2020 17:49

Tgt Ion: 70 Resp: 40932

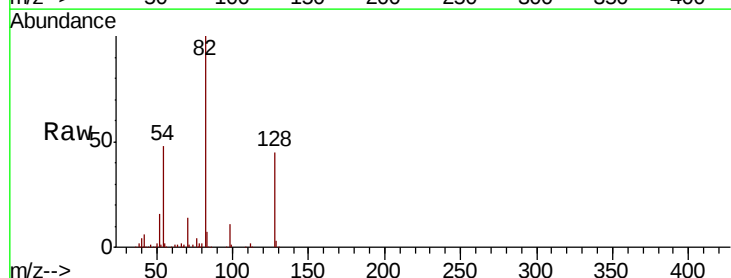
Ion Ratio Lower Upper

70 100

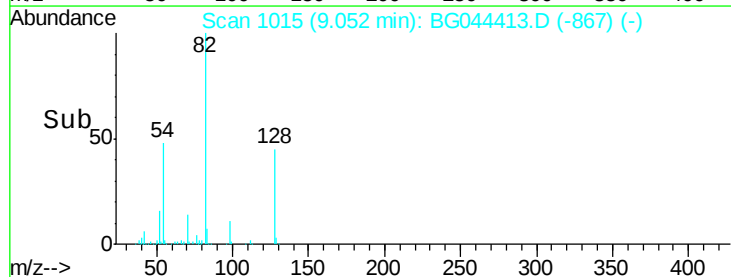
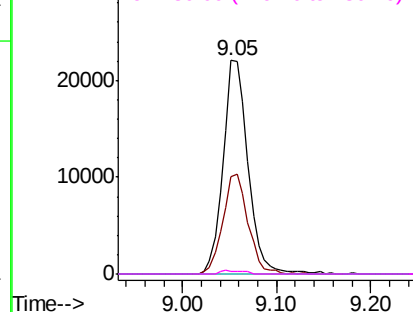
42 45.8 46.2 69.2#

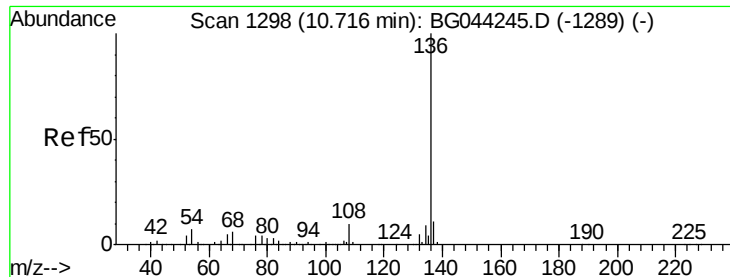
101 0.0 8.4 12.6#

130 1.5 17.8 26.8#



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

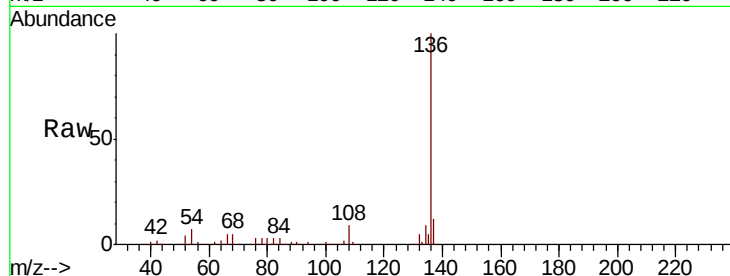




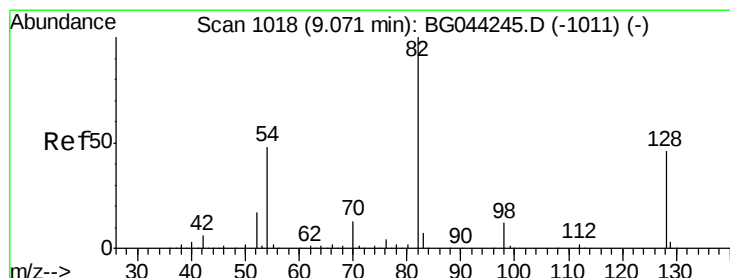
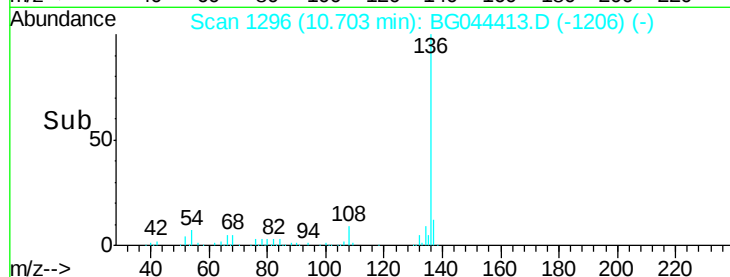
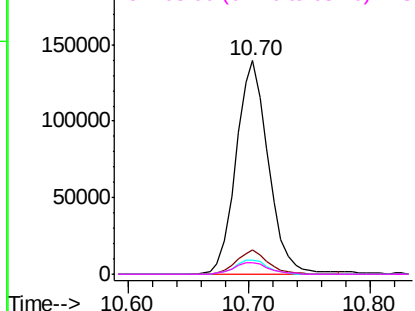
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.70 min Scan# 1296
Delta R.T. 0.00 min
Lab File: BG044413.D
Acq: 12 Feb 2020 17:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	259765
Ion Ratio	Lower	Upper
136 100		
137 11.5	8.8	13.2
54 6.7	5.8	8.8
68 5.4	4.6	6.8

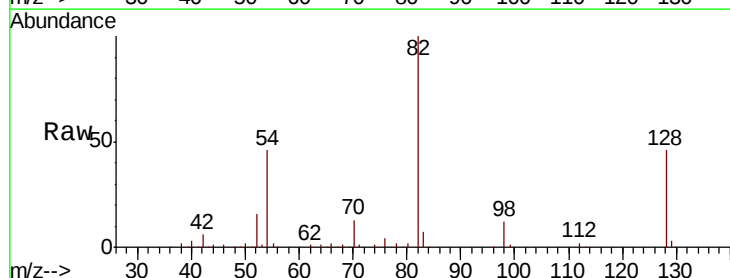


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

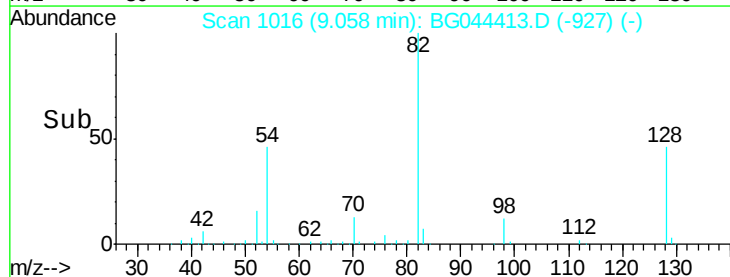
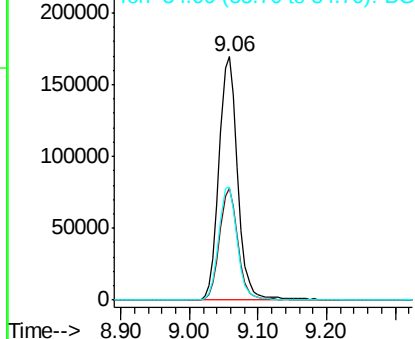


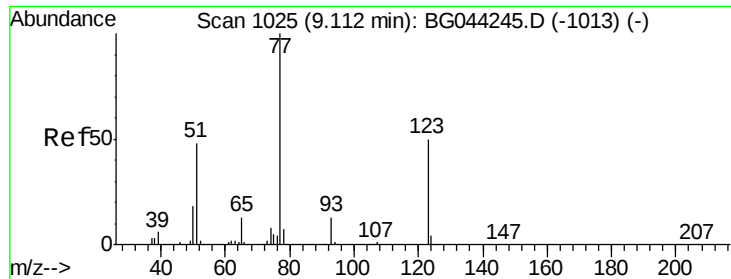
#23
Nitrobenzene-d5
Concen: 69.414 ng
RT: 9.06 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BG044413.D
Acq: 12 Feb 2020 17:49

Tgt Ion: 82	Resp: 319387
Ion Ratio	Lower Upper
82 100	
128 46.1	36.5 54.7
54 46.3	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

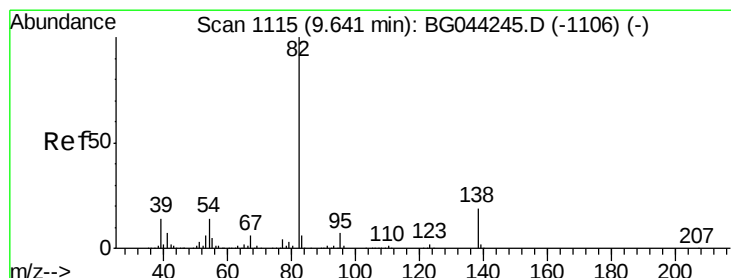
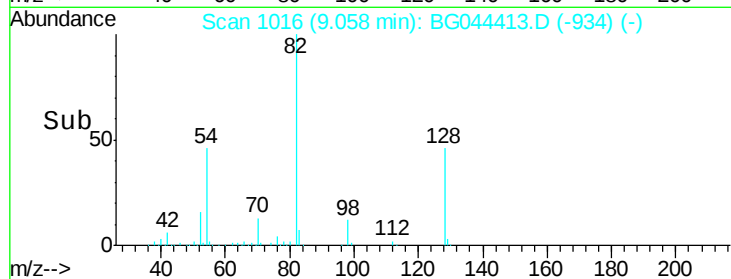
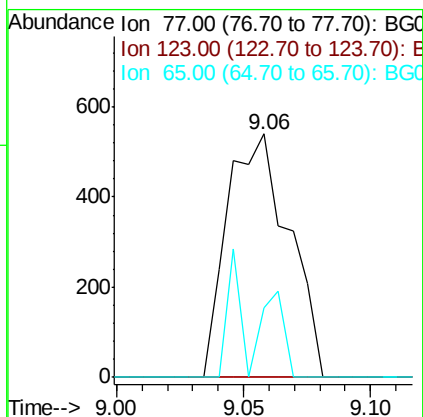
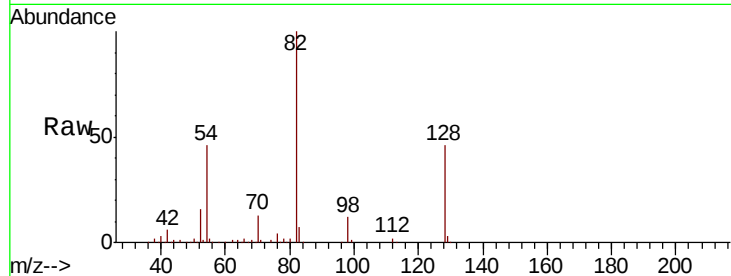




#24
Nitrobenzene
Concen: 0.204 ng
RT: 9.06 min Scan# 1016
Delta R.T. -0.05 min
Lab File: BG044413.D
Acq: 12 Feb 2020 17:49

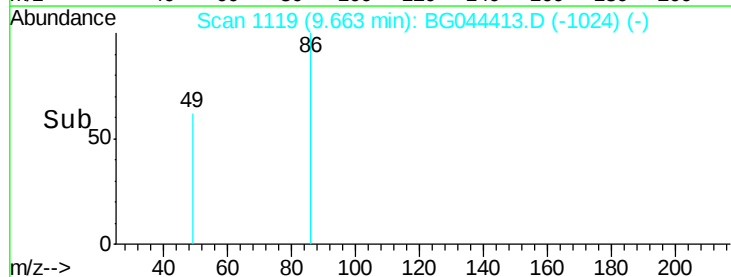
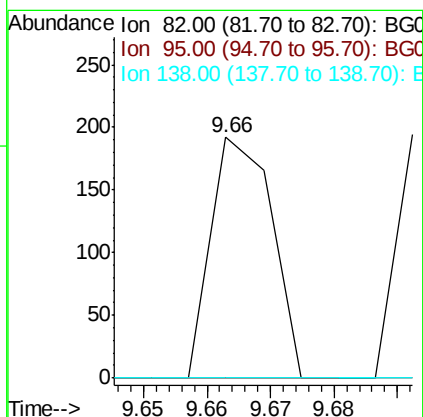
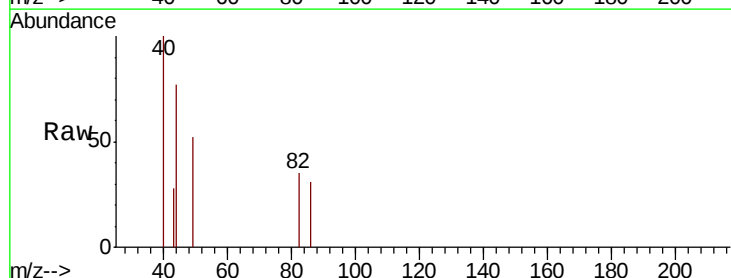
Instrument :
BNA_G
ClientSampleId :

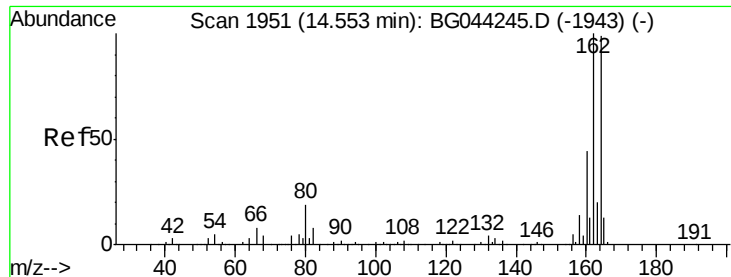
Tot Ion: 77 Resp: 918
Ion Ratio Lower Upper
77 100
123 0.0 39.9 59.9#
65 28.3 10.4 15.6#



#25
Isophorone
Concen: 0.015 ng
RT: 9.66 min Scan# 1119
Delta R.T. 0.03 min
Lab File: BG044413.D
Acq: 12 Feb 2020 17:49

Tgt Ion: 82 Resp: 126
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 15.0 22.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.54 min Scan# 1949

Delta R.T. -0.01 min

Lab File: BG044413.D

Acq: 12 Feb 2020 17:49

Instrument :

BNA_G

ClientSampleId :

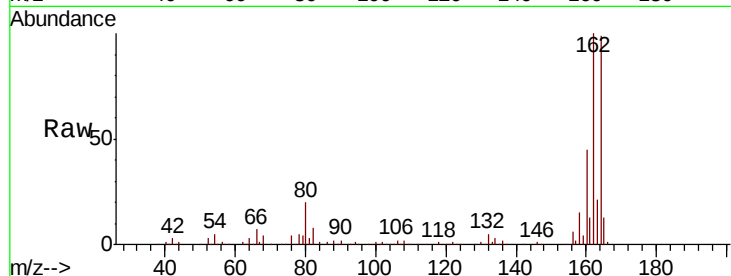
Tot Ion:164 Resp: 186384

Ion Ratio Lower Upper

164 100

162 101.2 80.7 121.1

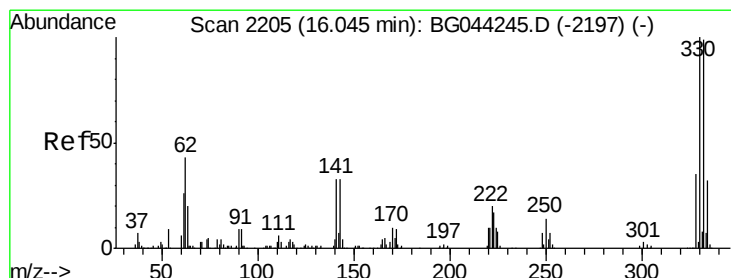
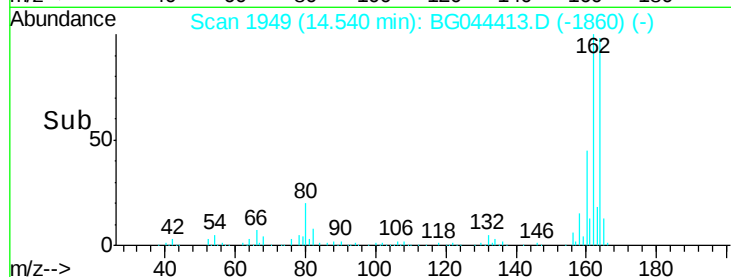
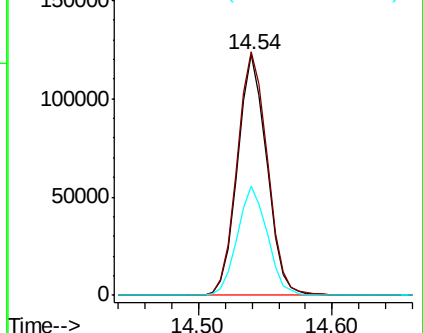
160 45.7 35.3 52.9



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 114.613 ng

RT: 16.03 min Scan# 2203

Delta R.T. 0.00 min

Lab File: BG044413.D

Acq: 12 Feb 2020 17:49

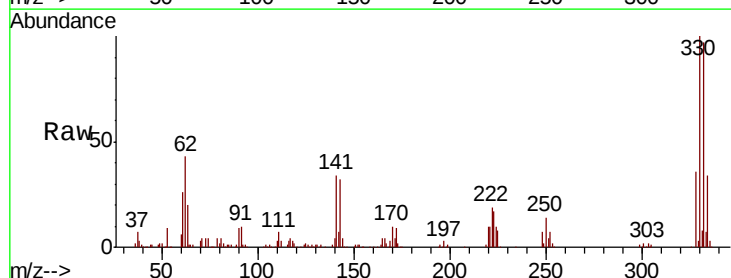
Tgt Ion:330 Resp: 250779

Ion Ratio Lower Upper

330 100

332 97.2 77.2 115.8

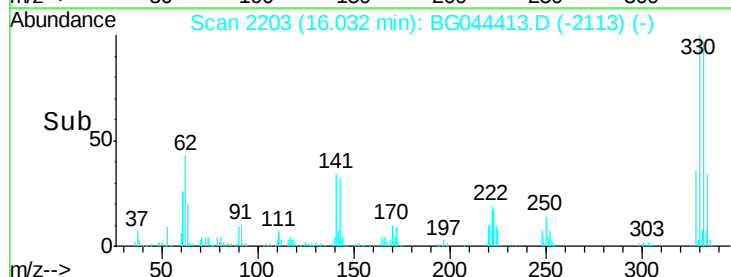
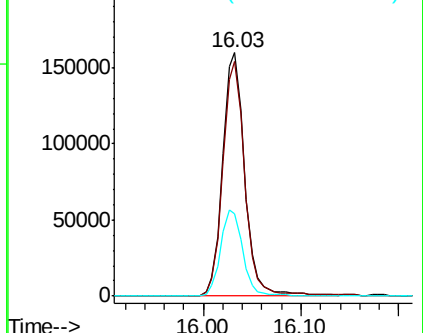
141 35.9 28.3 42.5

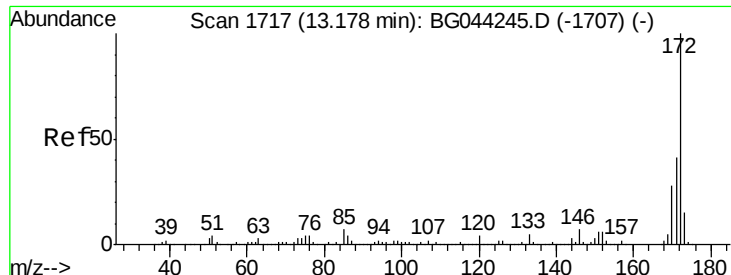


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

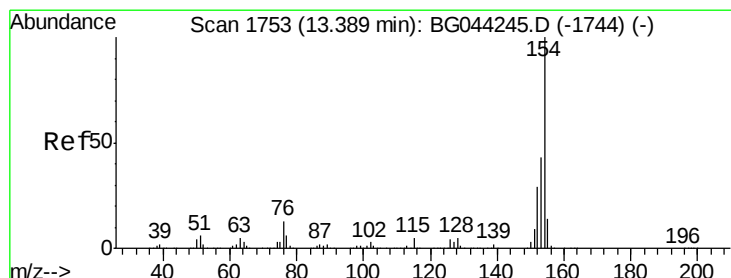
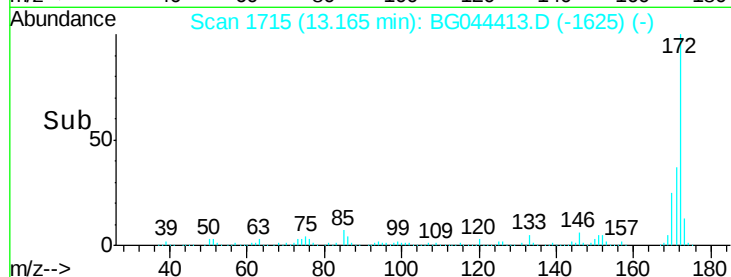
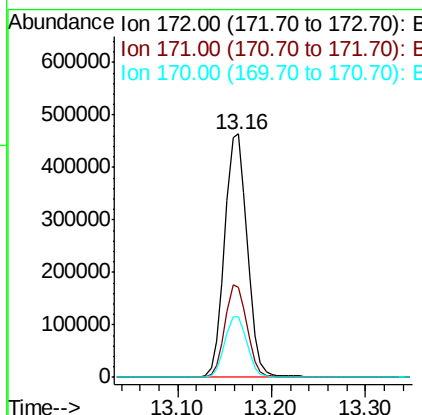
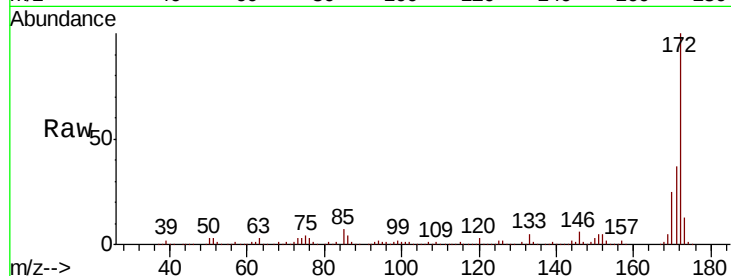




#45
 2-Fluorobiphenyl
 Concen: 70.353 ng
 RT: 13.16 min Scan# 1715
 Delta R.T. 0.00 min
 Lab File: BG044413.D
 Acq: 12 Feb 2020 17:49

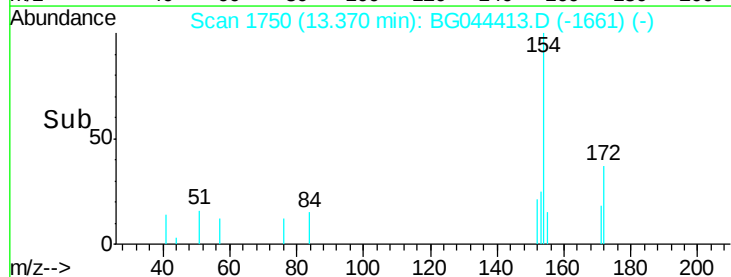
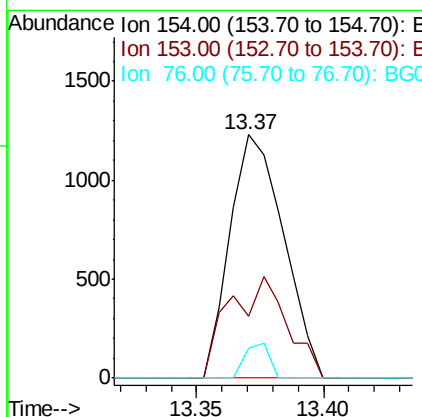
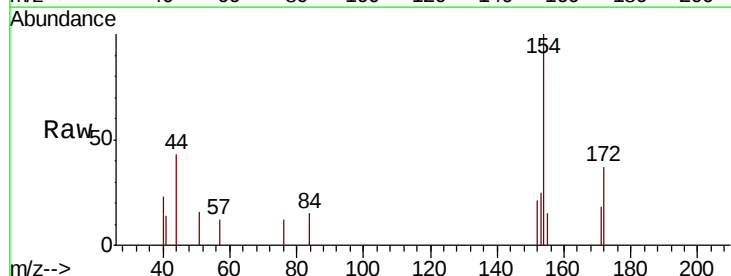
Instrument :
 BNA_G
 ClientSampleId :

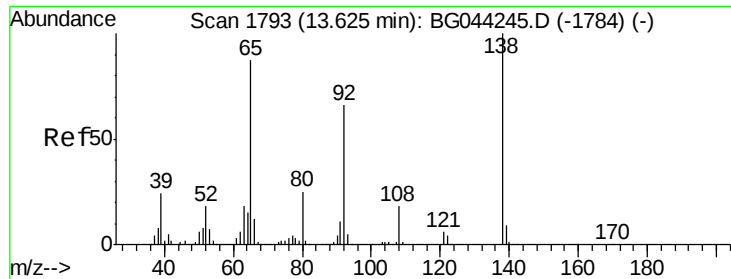
Tot Ion:172 Resp: 783053
 Ion Ratio Lower Upper
 172 100
 171 37.2 32.9 49.3
 170 25.0 22.0 33.0



#46
 1,1'-Biphenyl
 Concen: 0.135 ng
 RT: 13.37 min Scan# 1750
 Delta R.T. -0.01 min
 Lab File: BG044413.D
 Acq: 12 Feb 2020 17:49

Tgt Ion:154 Resp: 1818
 Ion Ratio Lower Upper
 154 100
 153 25.4 22.7 62.7
 76 12.3 0.0 32.9





#48

2-Nitroaniline

Concen: 0.091 ng

RT: 14.00 min Scan# 1857

Delta R.T. 0.38 min

Lab File: BG044413.D

Acq: 12 Feb 2020 17:49

Instrument :

BNA_G

ClientSampled :

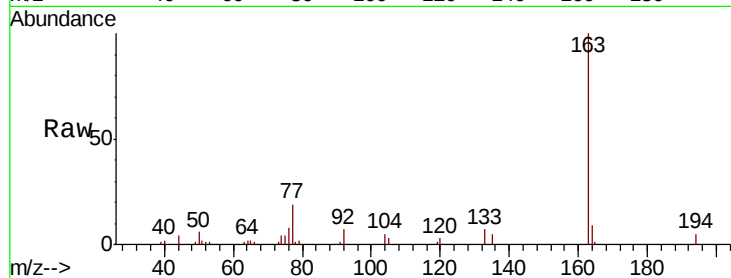
Tot Ion: 65 Resp: 286

Ion Ratio Lower Upper

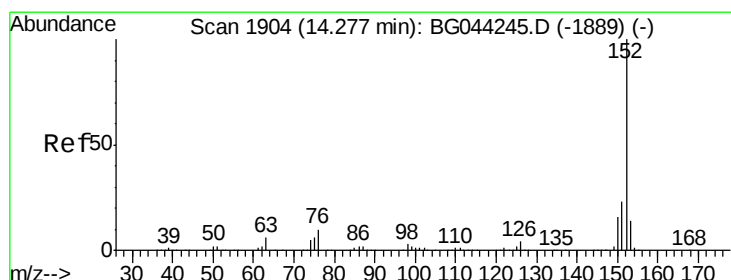
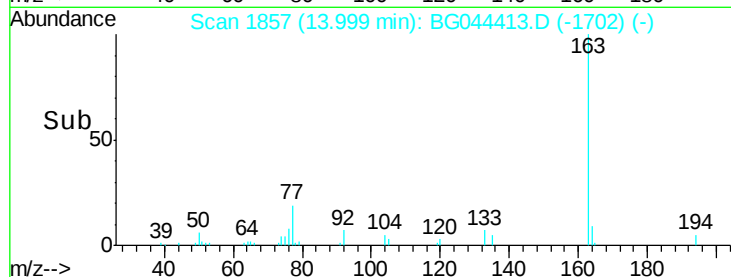
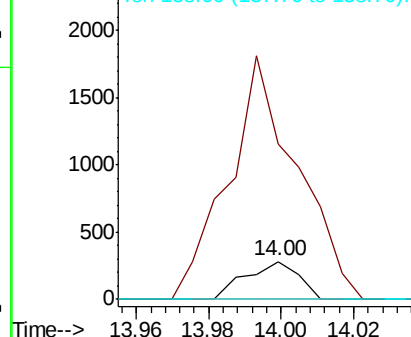
65 100

92 407.4 60.3 90.5#

138 0.0 91.9 137.9#



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



#49

Acenaphthylene

Concen: 0.012 ng

RT: 14.60 min Scan# 1960

Delta R.T. 0.34 min

Lab File: BG044413.D

Acq: 12 Feb 2020 17:49

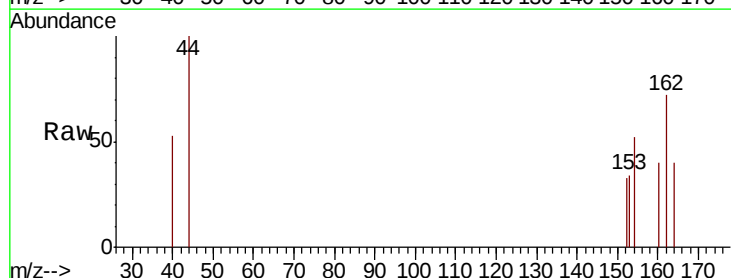
Tgt Ion: 152 Resp: 194

Ion Ratio Lower Upper

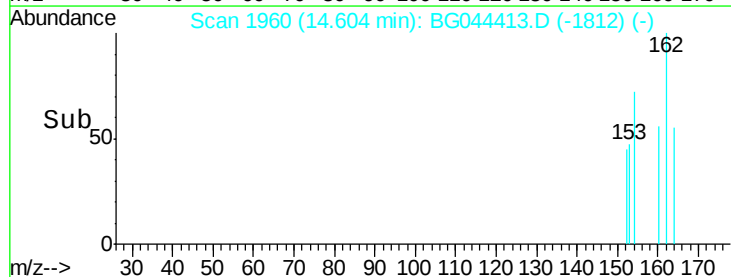
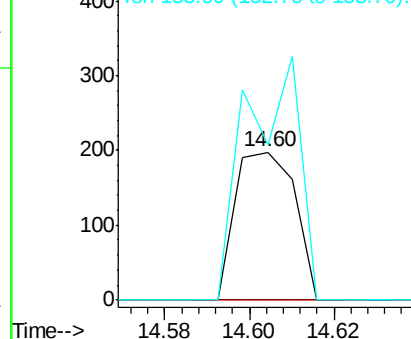
152 100

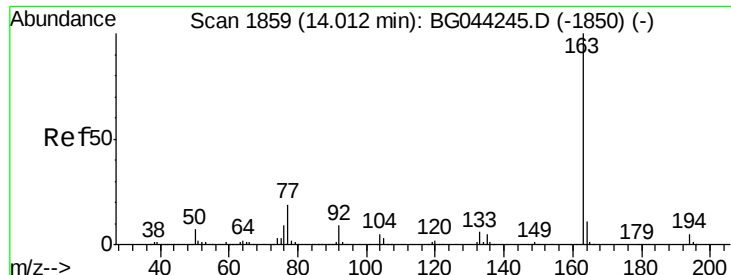
151 0.0 18.1 27.1#

153 104.5 11.5 17.3#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#50

Dimethylphthalate

Concen: 2.397 ng

RT: 13.99 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BG044413.D

Acq: 12 Feb 2020 17:49

Instrument :

BNA_G

ClientSampled :

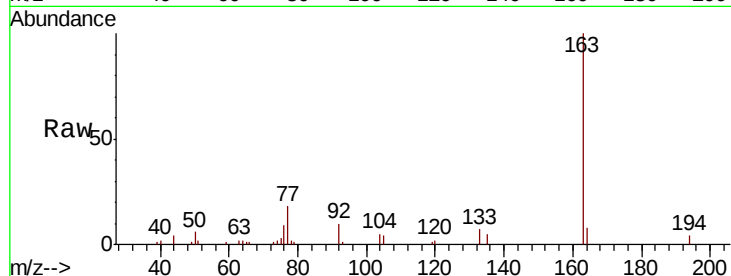
Tot Ion:163 Resp: 32114

Ion Ratio Lower Upper

163 100

194 4.3 3.6 5.4

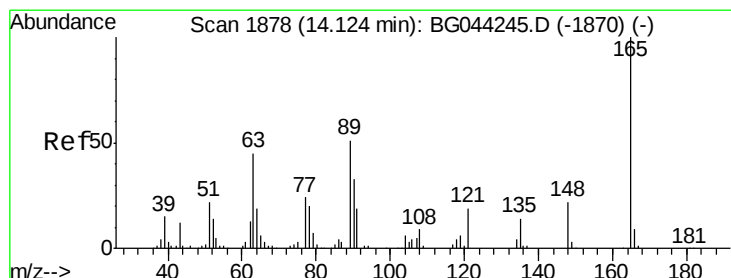
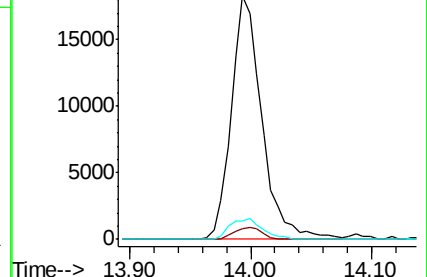
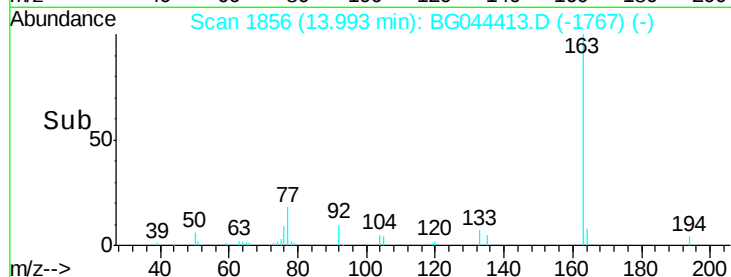
164 7.8 8.7 13.1#



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: 8.151 ng

RT: 14.54 min Scan# 1949

Delta R.T. 0.42 min

Lab File: BG044413.D

Acq: 12 Feb 2020 17:49

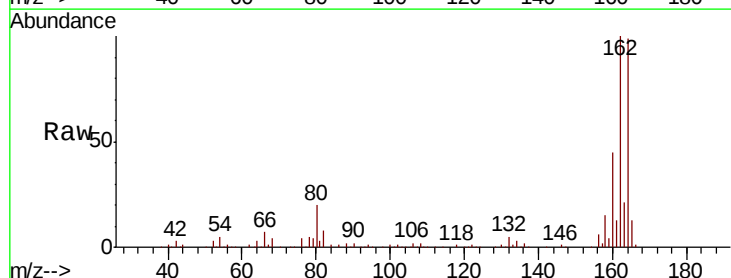
Tgt Ion:165 Resp: 24350

Ion Ratio Lower Upper

165 100

63 1.0 38.7 58.1#

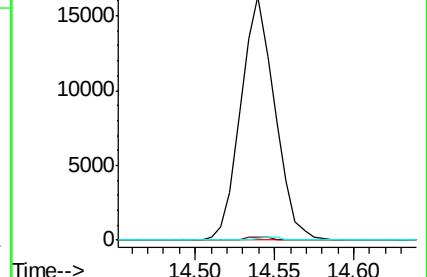
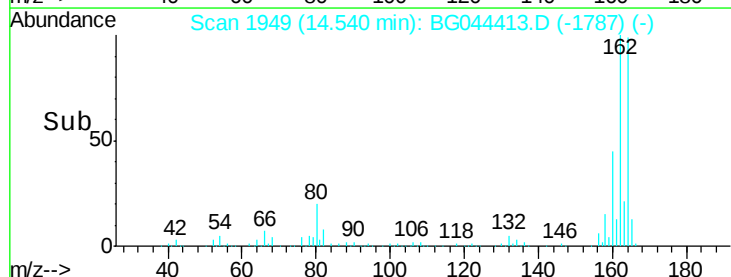
89 0.9 40.4 60.6#

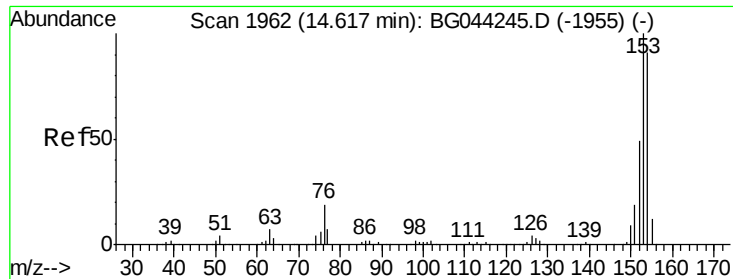


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0





#52

Acenaphthene

Concen: 0.027 ng

RT: 14.60 min Scan# 1960

Delta R.T. -0.01 min

Lab File: BG044413.D

Acq: 12 Feb 2020 17:49

Instrument :

BNA_G

ClientSampleId :

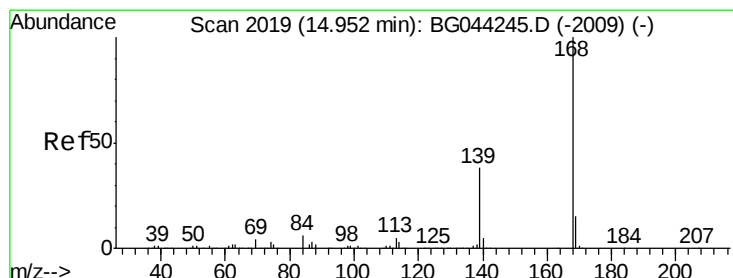
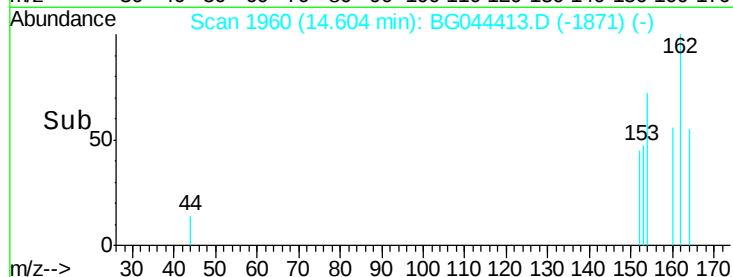
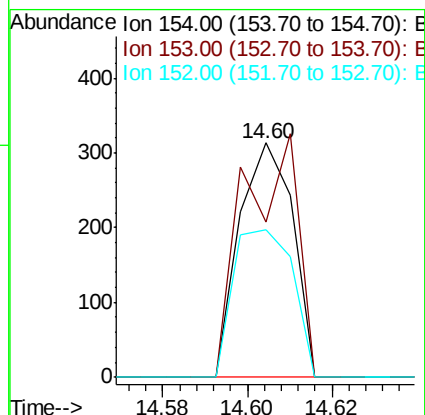
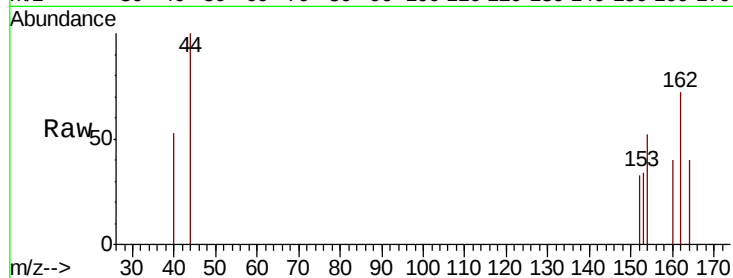
Tot Ion:154 Resp: 274

Ion Ratio Lower Upper

154 100

153 66.1 87.9 131.9#

152 63.3 43.1 64.7



#55

Dibenzofuran

Concen: 0.007 ng

RT: 14.96 min Scan# 2020

Delta R.T. 0.01 min

Lab File: BG044413.D

Acq: 12 Feb 2020 17:49

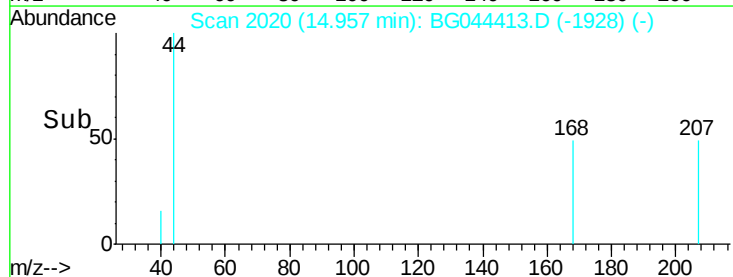
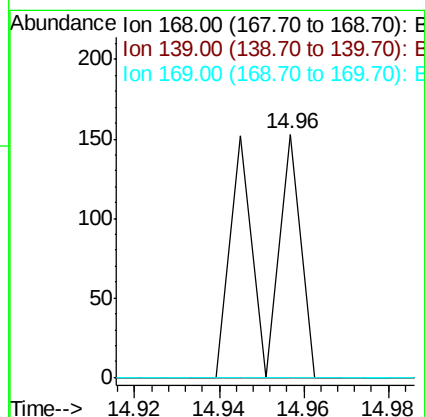
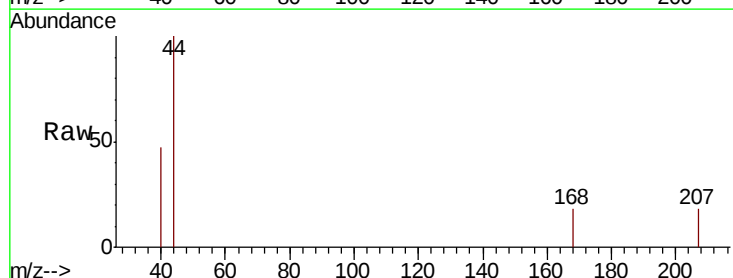
Tgt Ion:168 Resp: 108

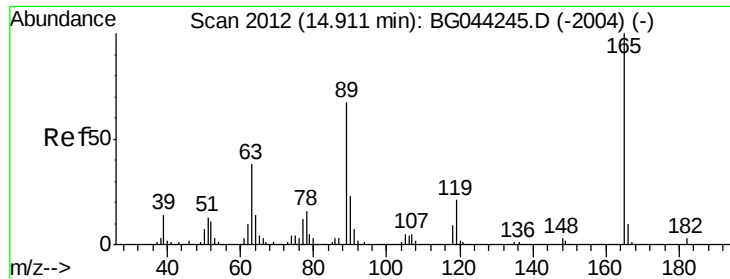
Ion Ratio Lower Upper

168 100

139 0.0 30.5 45.7#

169 0.0 11.7 17.5#

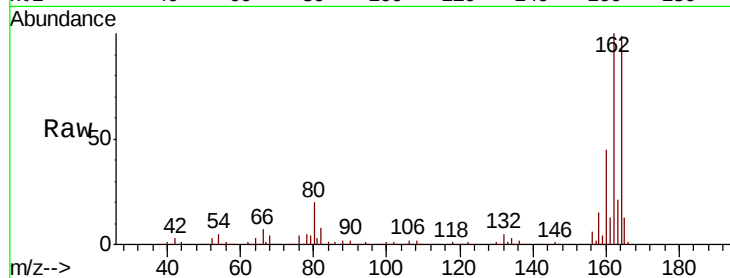




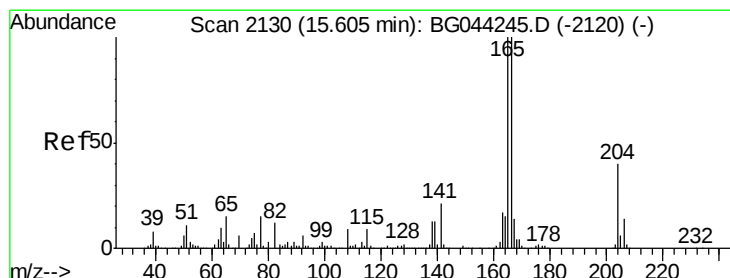
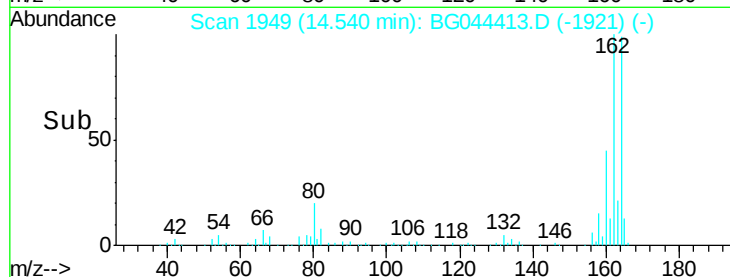
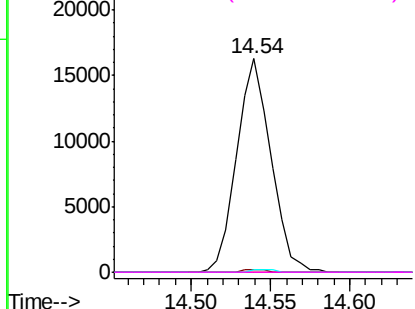
#57
2,4-Dinitrotoluene
Concen: 5.816 ng
RT: 14.54 min Scan# 1949
Delta R.T. -0.36 min
Lab File: BG044413.D
Acq: 12 Feb 2020 17:49

Instrument :
BNA_G
ClientSampled :

Tot Ion:165 Resp: 24350
Ion Ratio Lower Upper
165 100
63 1.0 30.3 45.5#
89 0.9 53.4 80.2#
182 0.0 2.1 3.1#

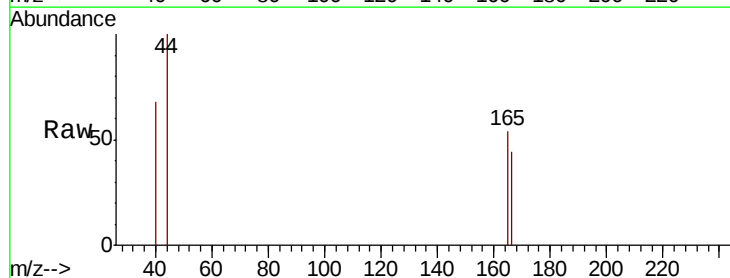


Abundance Ion 165.00 (164.70 to 165.70): E
25000
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

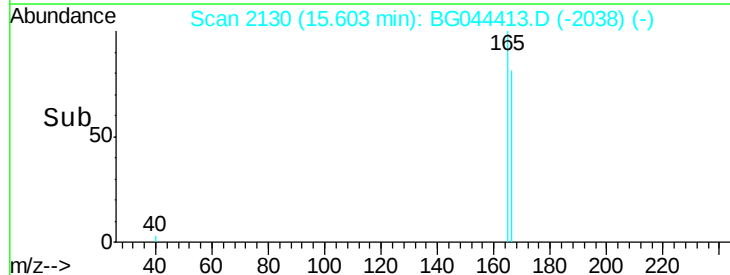
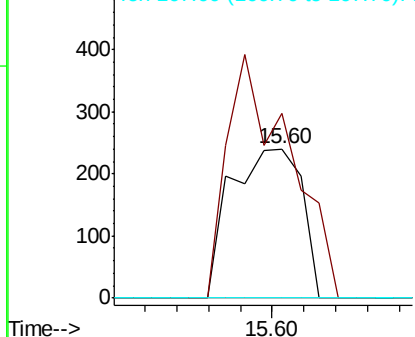


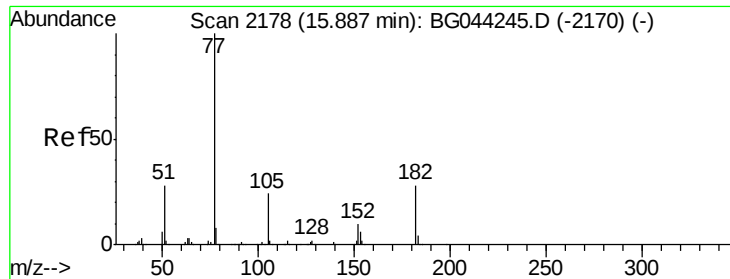
#58
Fluorene
Concen: 0.031 ng
RT: 15.60 min Scan# 2130
Delta R.T. 0.01 min
Lab File: BG044413.D
Acq: 12 Feb 2020 17:49

Tgt Ion:166 Resp: 372
Ion Ratio Lower Upper
166 100
165 124.2 79.9 119.9#
167 0.0 11.4 17.0#



Abundance Ion 166.00 (165.70 to 166.70): E
500
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

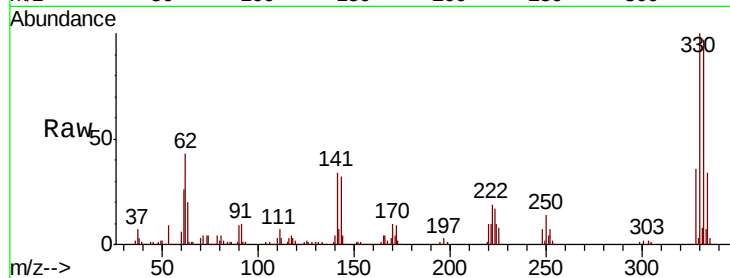




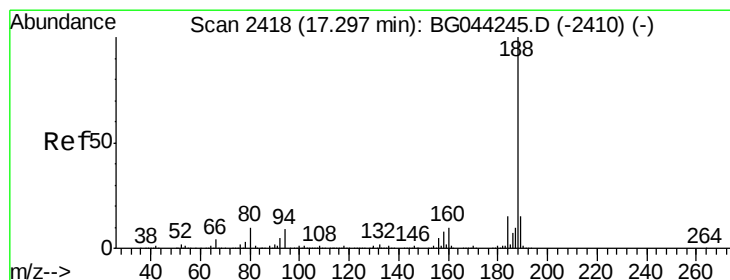
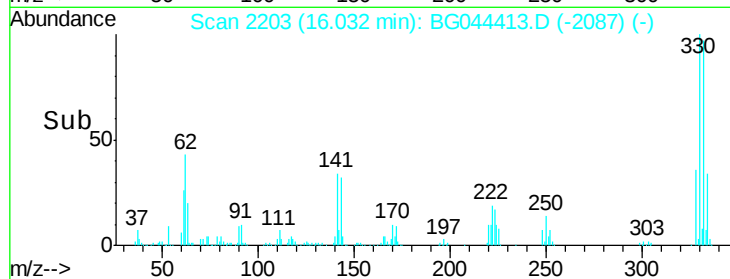
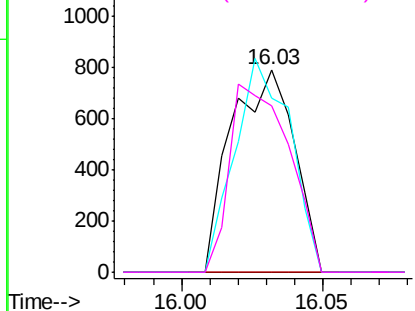
#63
Azobenzene
Concen: 0.105 ng
RT: 16.03 min Scan# 2203
Delta R.T. 0.15 min
Lab File: BG044413.D
Acq: 12 Feb 2020 17:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	77	Resp:	1225
Ion	Ratio	Lower	Upper
77	100		
182	0.0	8.2	48.2#
105	85.8	3.6	43.6#
51	82.0	8.3	48.3#

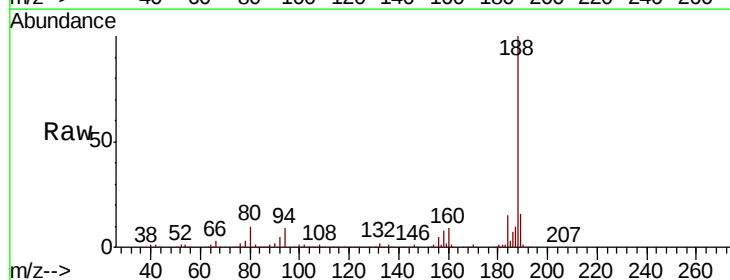


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

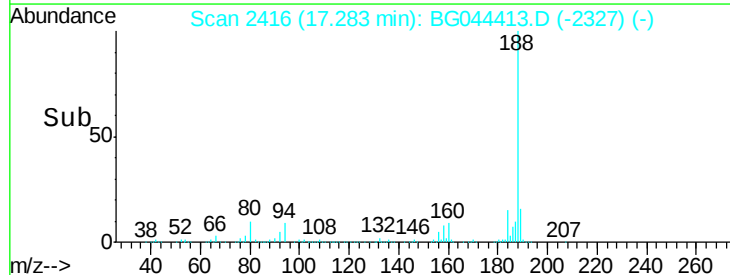
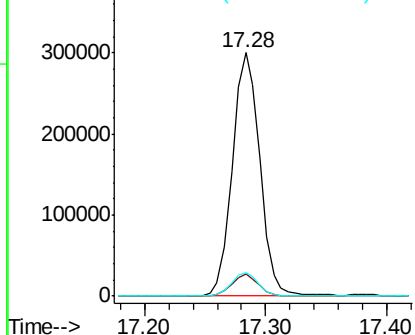


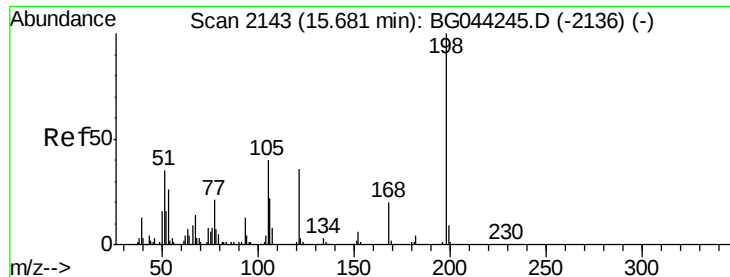
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.28 min Scan# 2416
Delta R.T. -0.01 min
Lab File: BG044413.D
Acq: 12 Feb 2020 17:49

Tgt Ion:	188	Resp:	475576
Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.4	11.2
80	9.9	7.7	11.5



Abundance Ion 188.00 (187.70 to 188.70): BGC
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 0.302 ng

RT: 16.03 min Scan# 2203

Delta R.T. 0.36 min

Lab File: BG044413.D

Acq: 12 Feb 2020 17:49

Instrument :

BNA_G

ClientSampled :

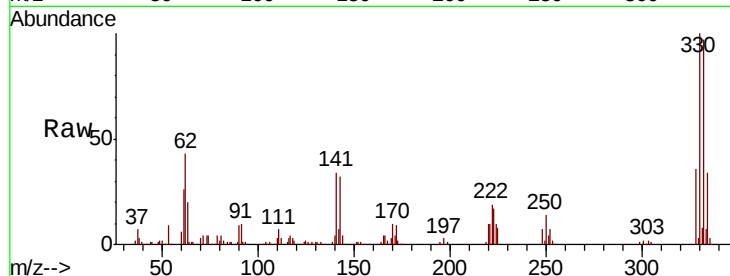
Tot Ion:198 Resp: 794

Ion Ratio Lower Upper

198 100

51 120.6 16.6 56.6#

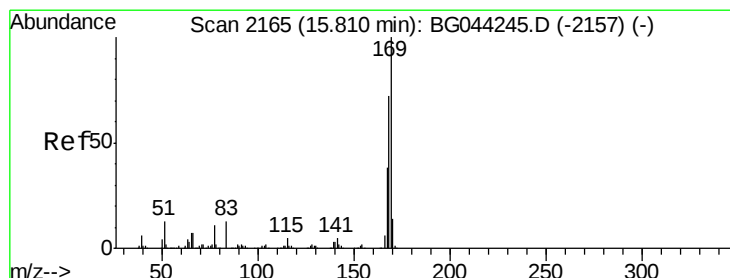
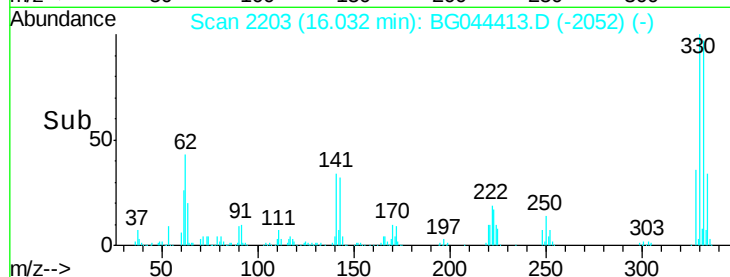
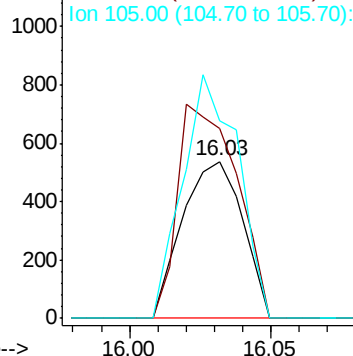
105 126.2 20.6 60.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 0.647 ng

RT: 16.03 min Scan# 2203

Delta R.T. 0.23 min

Lab File: BG044413.D

Acq: 12 Feb 2020 17:49

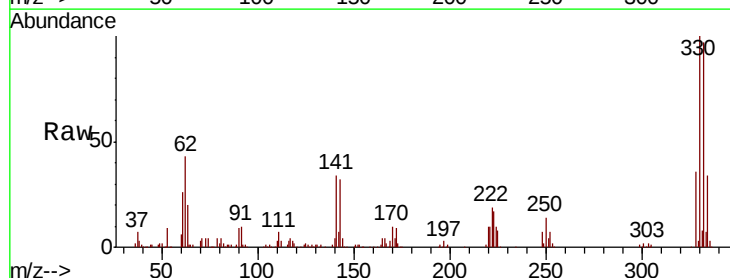
Tgt Ion:169 Resp: 8617

Ion Ratio Lower Upper

169 100

168 9.9 57.9 86.9#

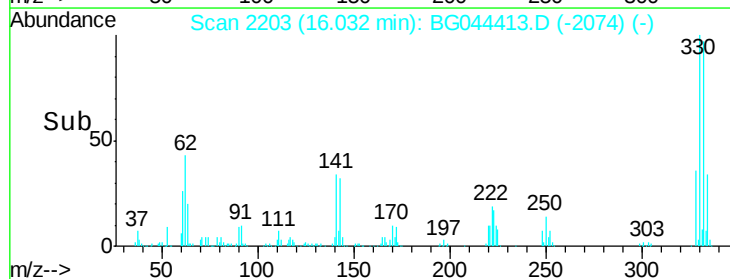
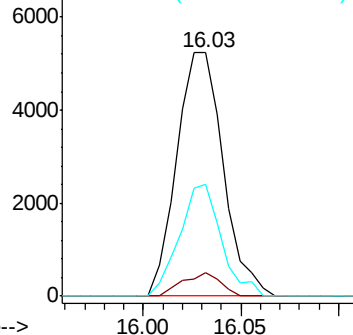
167 46.0 30.7 46.1

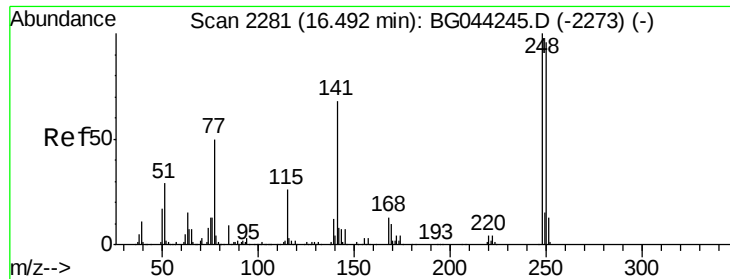


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

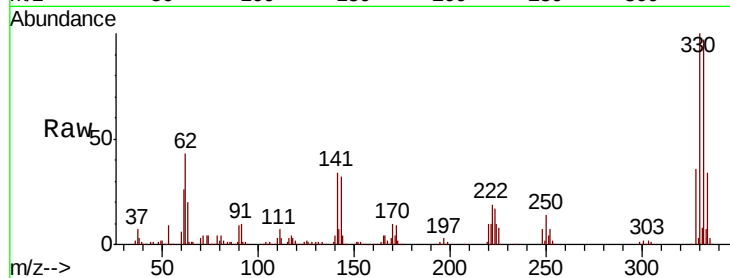




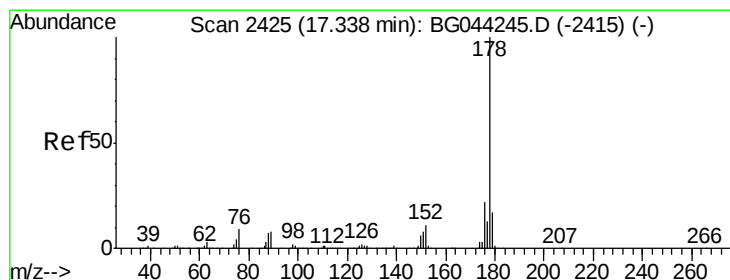
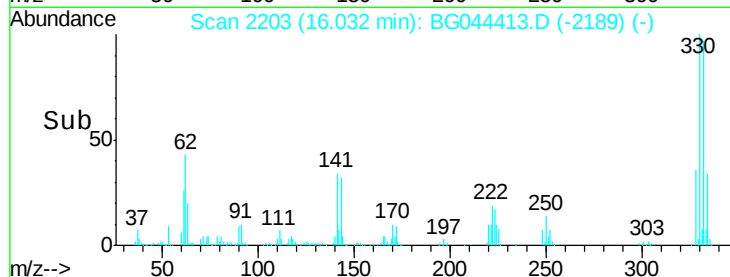
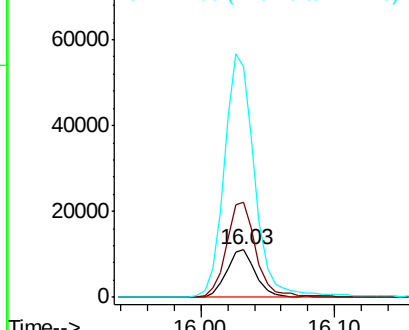
#67
 4-Bromophenyl-phenylether
 Concen: 3.284 ng
 RT: 16.03 min Scan# 2203
 Delta R.T. -0.45 min
 Lab File: BG044413.D
 Acq: 12 Feb 2020 17:49

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 17016
 Ion Ratio Lower Upper
 248 100
 250 200.8 76.6 114.8#
 141 488.4 54.7 82.1#

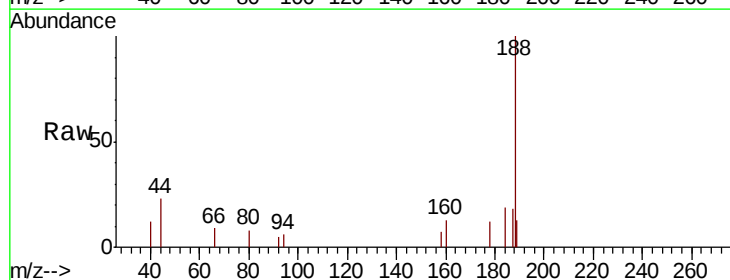


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

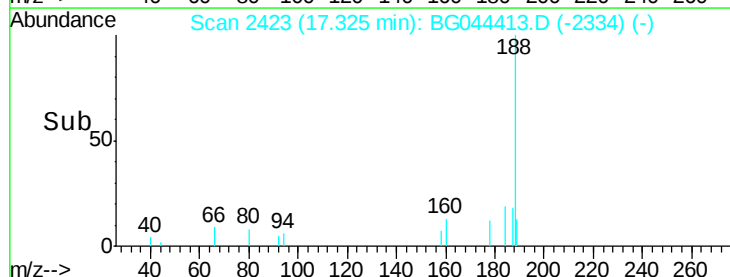
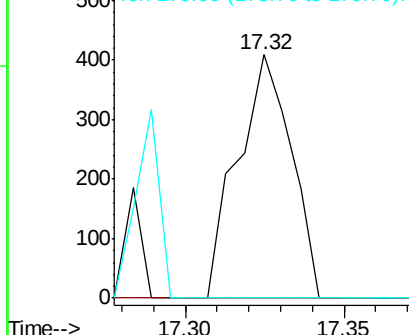


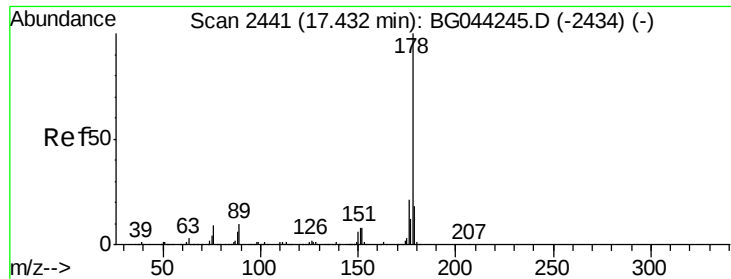
#71
 Phenanthrene
 Concen: 0.021 ng
 RT: 17.32 min Scan# 2423
 Delta R.T. -0.01 min
 Lab File: BG044413.D
 Acq: 12 Feb 2020 17:49

Tgt Ion:178 Resp: 480
 Ion Ratio Lower Upper
 178 100
 176 0.0 17.7 26.5#
 179 0.0 13.7 20.5#



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 0.014 ng

RT: 17.42 min Scan# 2440

Delta R.T. 0.00 min

Lab File: BG044413.D

Acq: 12 Feb 2020 17:49

Instrument :

BNA_G

ClientSampleId :

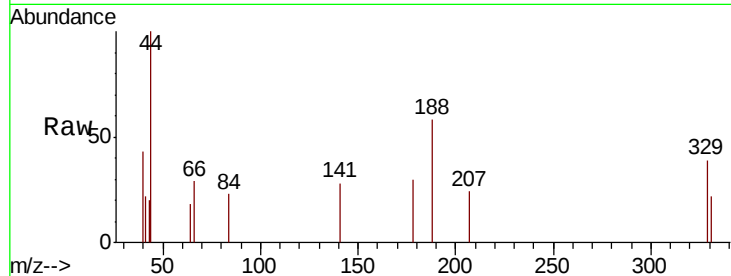
Tot Ion:178 Resp: 314

Ion Ratio Lower Upper

178 100

176 0.0 17.0 25.4#

179 0.0 14.4 21.6#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

17.42

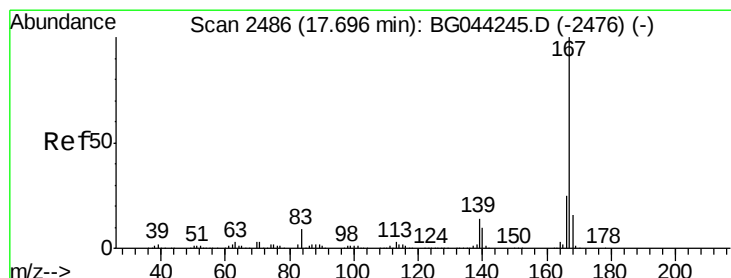
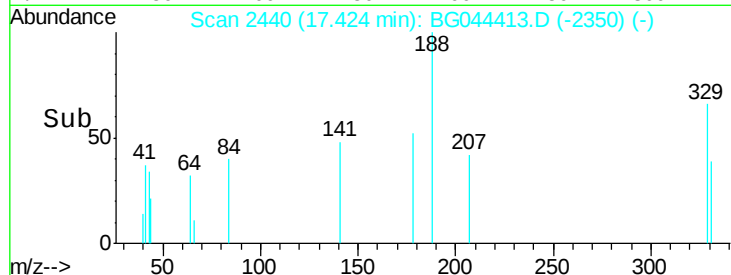
200

100

0

17.38 17.40 17.42 17.44

Time-->



#73

Carbazole

Concen: 0.055 ng

RT: 17.71 min Scan# 2488

Delta R.T. 0.02 min

Lab File: BG044413.D

Acq: 12 Feb 2020 17:49

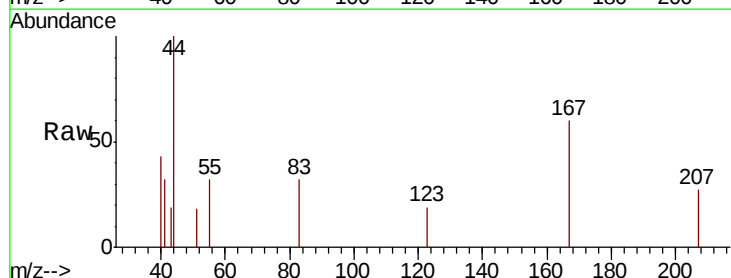
Tgt Ion:167 Resp: 1145

Ion Ratio Lower Upper

167 100

166 0.0 19.8 29.6#

139 0.0 11.1 16.7#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

17.71

600

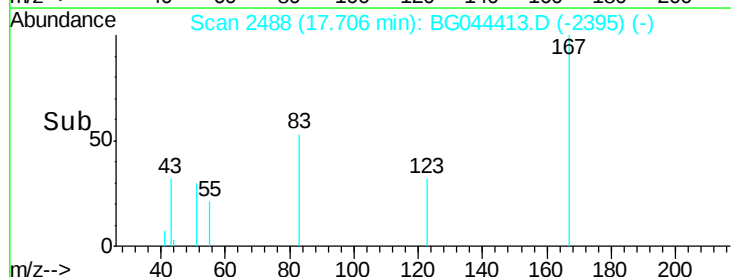
400

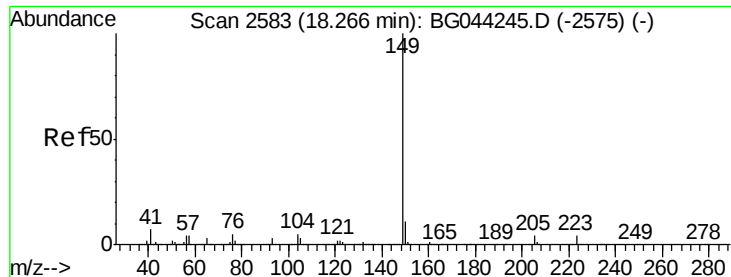
200

0

17.65 17.70 17.75

Time-->





#74

Di-n-butylphthalate

Concen: 0.022 ng

RT: 18.25 min Scan# 2580

Delta R.T. -0.01 min

Lab File: BG044413.D

Acq: 12 Feb 2020 17:49

Instrument :

BNA_G

ClientSampleId :

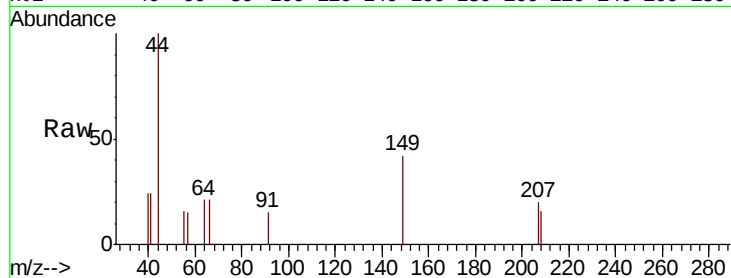
Tot Ion:149 Resp: 563

Ion Ratio Lower Upper

149 100

150 0.0 8.7 13.1#

104 0.0 4.3 6.5#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

18.25

400

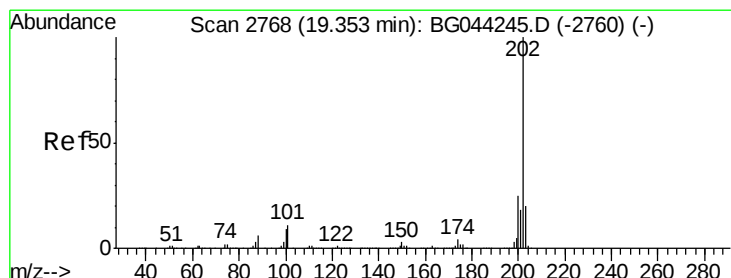
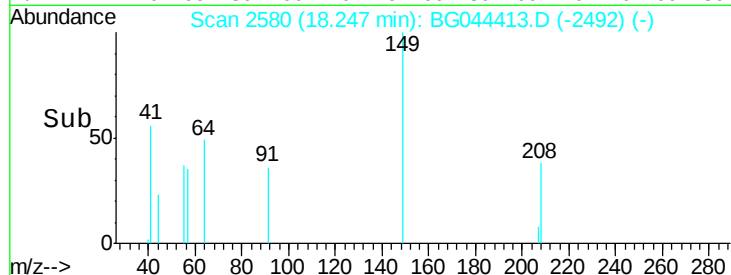
300

200

100

0

Time-->



#75

Fluoranthene

Concen: 0.066 ng

RT: 19.34 min Scan# 2766

Delta R.T. 0.00 min

Lab File: BG044413.D

Acq: 12 Feb 2020 17:49

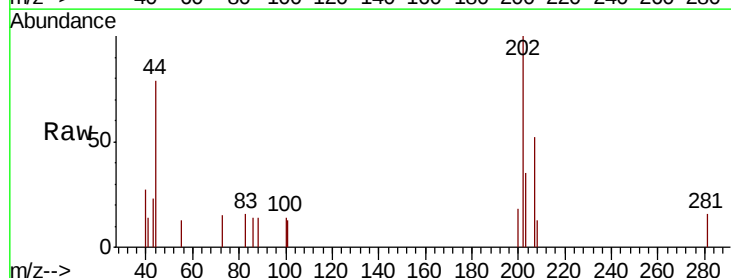
Tgt Ion:202 Resp: 1760

Ion Ratio Lower Upper

202 100

101 12.6 0.0 31.3

203 35.2 0.0 39.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

19.34

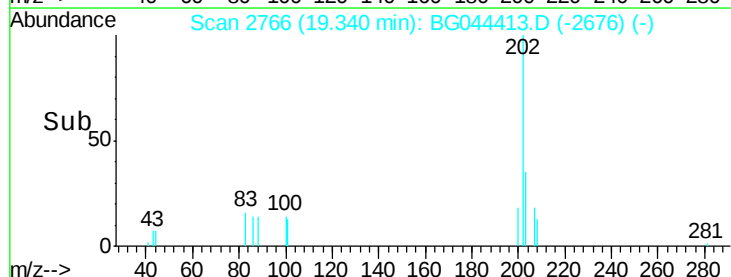
1500

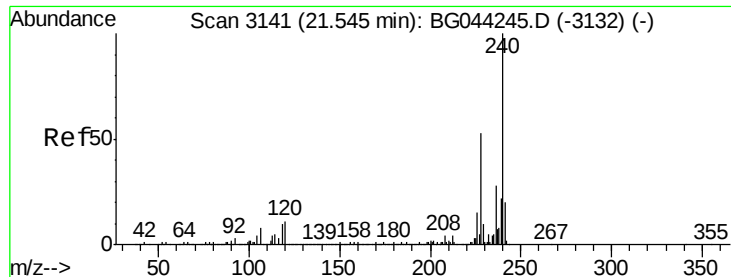
1000

500

0

Time-->





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.53 min Scan# 3139

Delta R.T. -0.01 min

Lab File: BG044413.D

Acq: 12 Feb 2020 17:49

Instrument :

BNA_G

ClientSampleId :

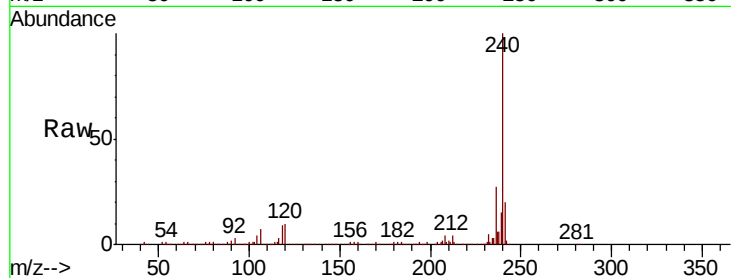
Tot Ion:240 Resp: 447103

Ion Ratio Lower Upper

240 100

120 10.2 8.4 12.6

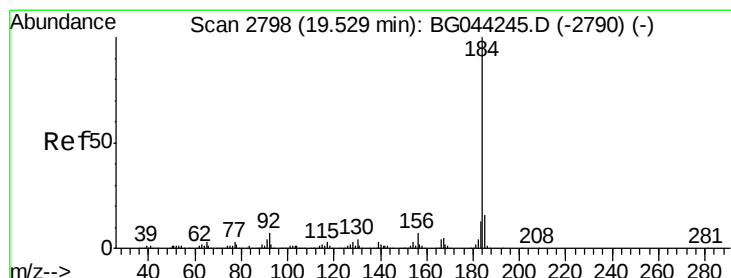
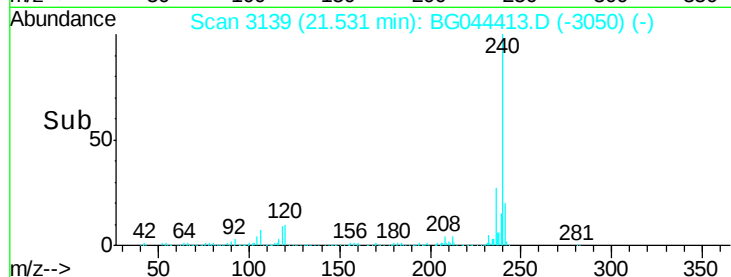
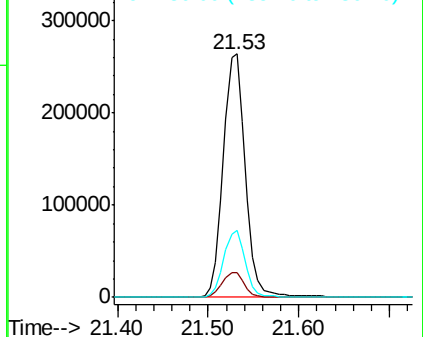
236 27.5 22.1 33.1



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: 1.672 ng

RT: 19.90 min Scan# 2861

Delta R.T. 0.38 min

Lab File: BG044413.D

Acq: 12 Feb 2020 17:49

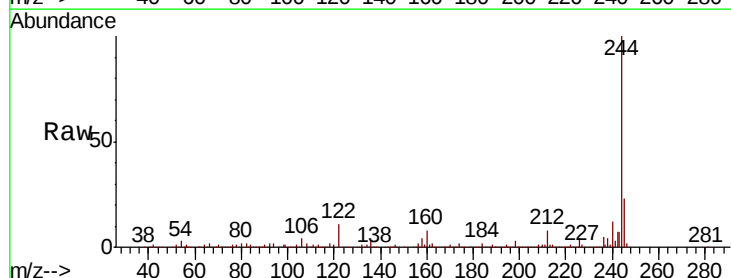
Tgt Ion:184 Resp: 20738

Ion Ratio Lower Upper

184 100

185 15.4 12.9 19.3

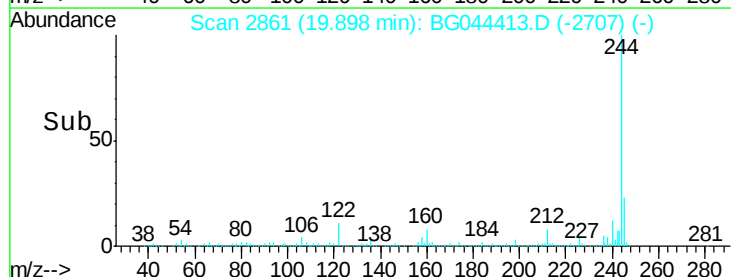
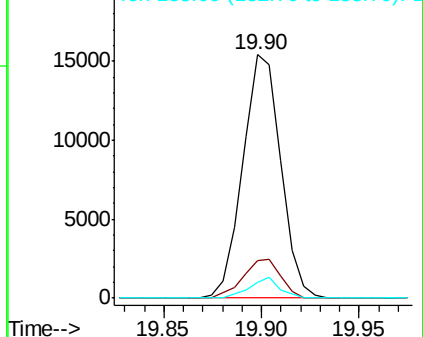
183 6.2 10.8 16.2#

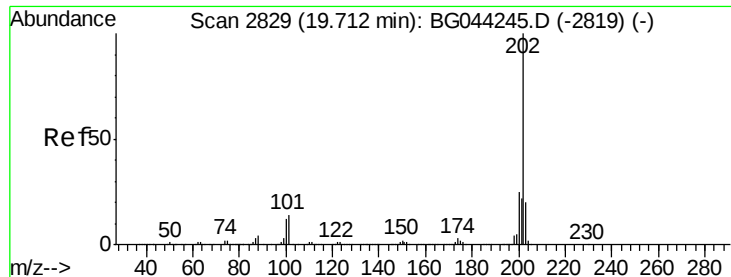


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Pvrene

Concen: 0.055 ng

RT: 19.70 min Scan# 2827

Delta R.T. -0.01 min

Lab File: BG044413.D

Acq: 12 Feb 2020 17:49

Instrument :

BNA_G

ClientSampled :

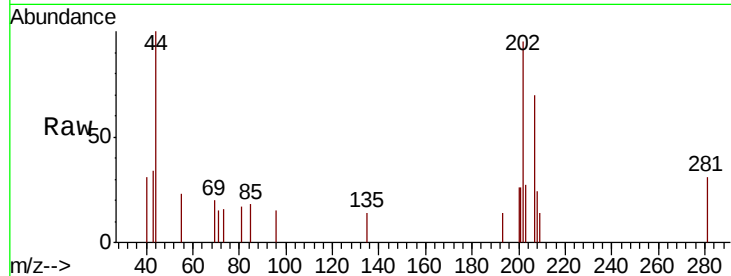
Tot Ion:202 Resp: 1576

Ion Ratio Lower Upper

202 100

200 27.4 20.0 30.0

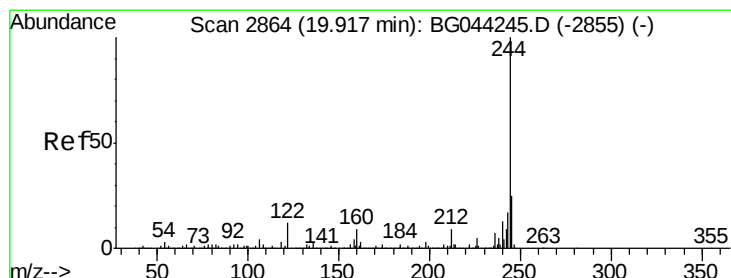
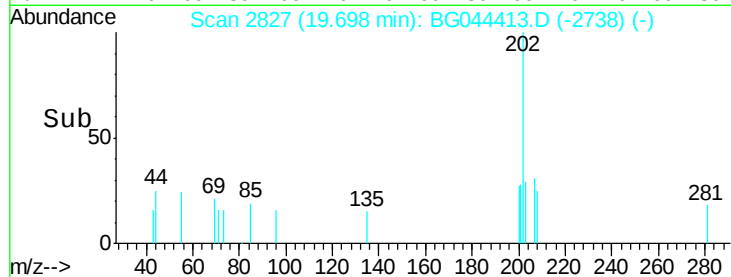
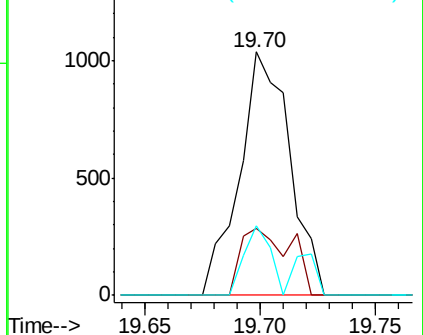
203 28.5 16.2 24.2#



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: 62.793 ng

RT: 19.90 min Scan# 2862

Delta R.T. 0.00 min

Lab File: BG044413.D

Acq: 12 Feb 2020 17:49

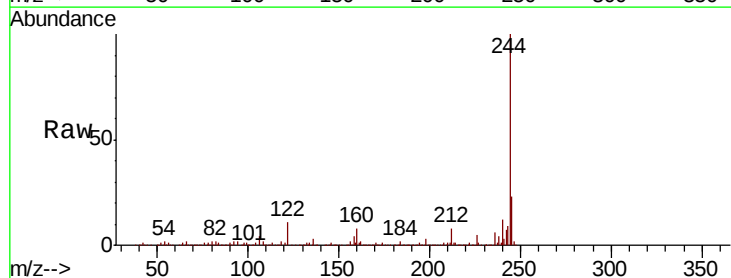
Tgt Ion:244 Resp: 1364938

Ion Ratio Lower Upper

244 100

212 8.1 7.4 11.2

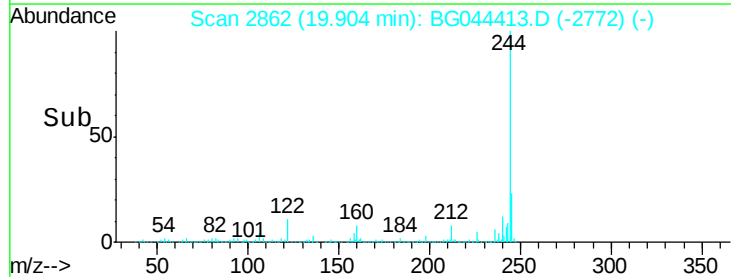
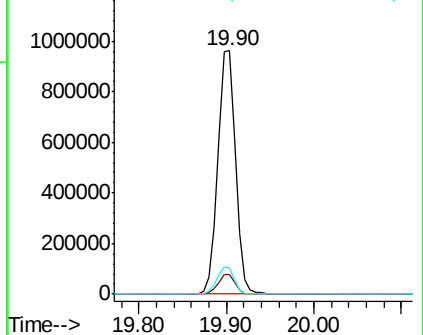
122 10.7 9.8 14.6

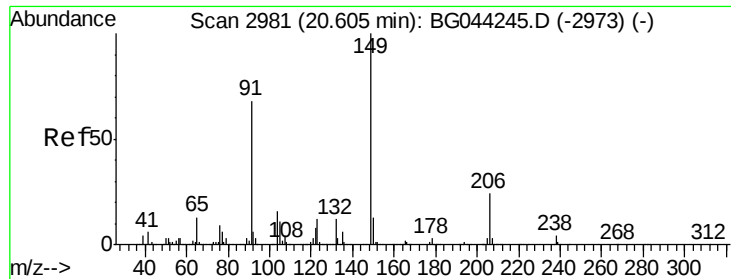


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

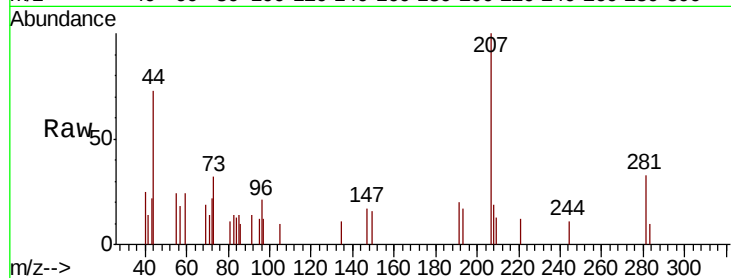




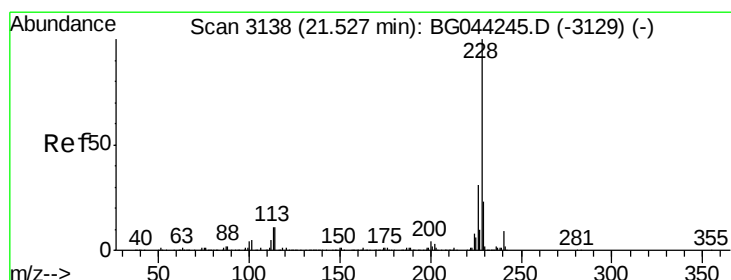
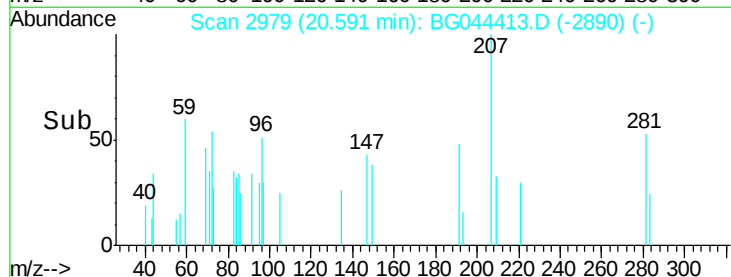
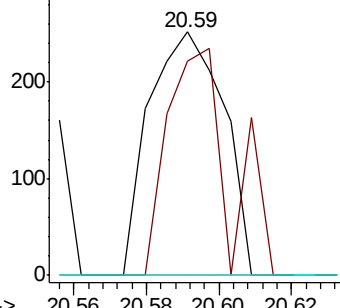
#80
Butylbenzylphthalate
Concen: 0.027 ng
RT: 20.59 min Scan# 2979
Delta R.T. -0.01 min
Lab File: BG044413.D
Acq: 12 Feb 2020 17:49

Instrument :
BNA_G
ClientSampled :

Tot Ion:149 Resp: 358
Ion Ratio Lower Upper
149 100
91 87.7 54.5 81.7#
206 0.0 19.1 28.7#

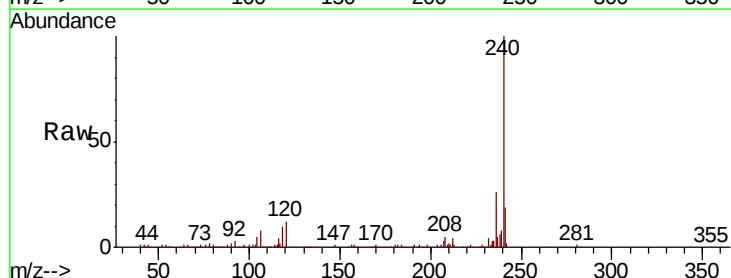


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BG
Ion 206.00 (205.70 to 206.70): E

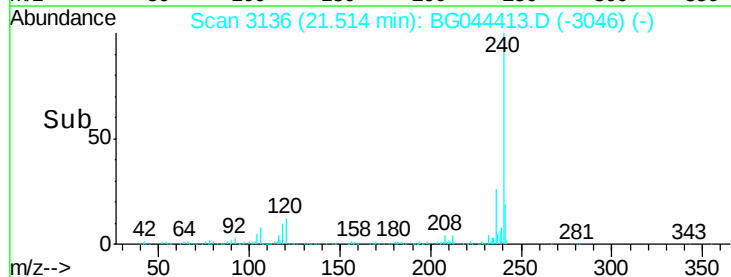
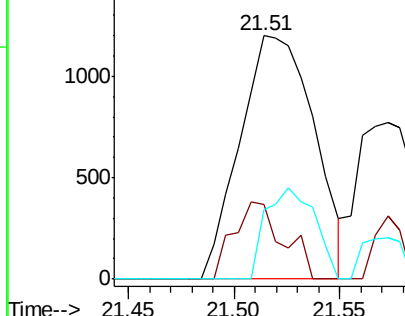


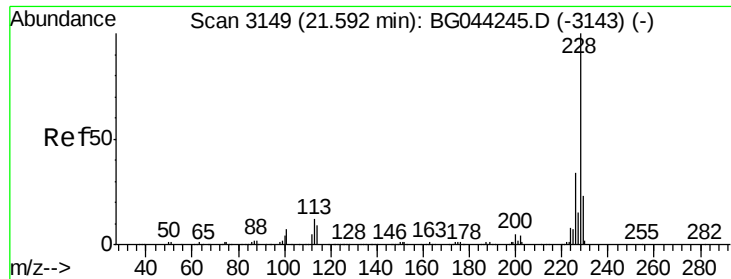
#81
Benzo(a)anthracene
Concen: 0.106 ng
RT: 21.51 min Scan# 3136
Delta R.T. 0.00 min
Lab File: BG044413.D
Acq: 12 Feb 2020 17:49

Tgt Ion:228 Resp: 2927
Ion Ratio Lower Upper
228 100
226 30.8 24.7 37.1
229 28.7 18.2 27.4#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

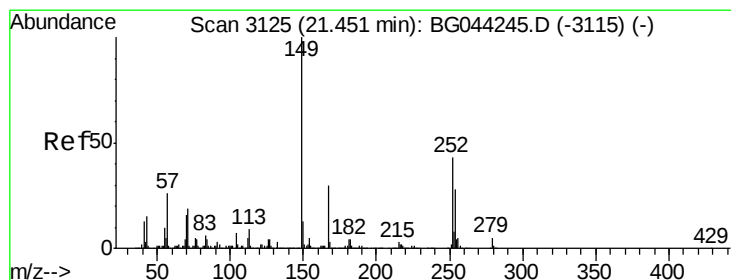
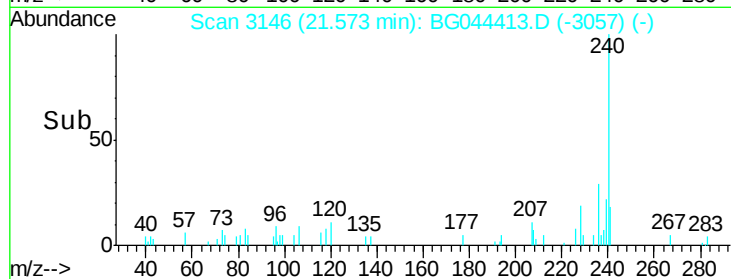
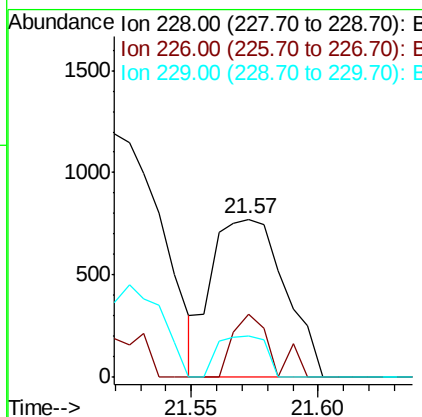
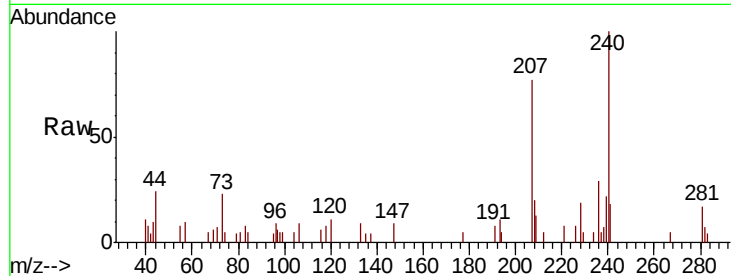




#83
 Chrysene
 Concen: 0.058 ng
 RT: 21.57 min Scan# 3146
 Delta R.T. -0.01 min
 Lab File: BG044413.D
 Acq: 12 Feb 2020 17:49

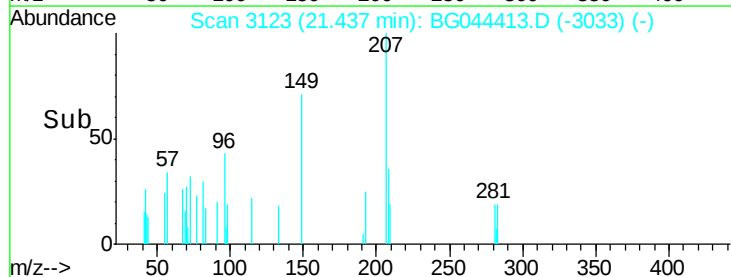
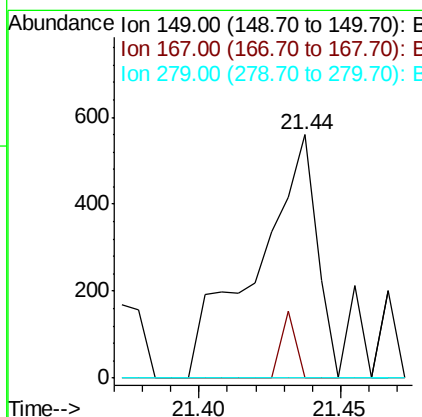
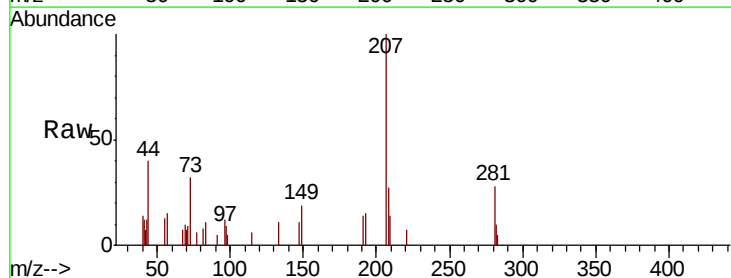
Instrument :
 BNA_G
 ClientSampled :

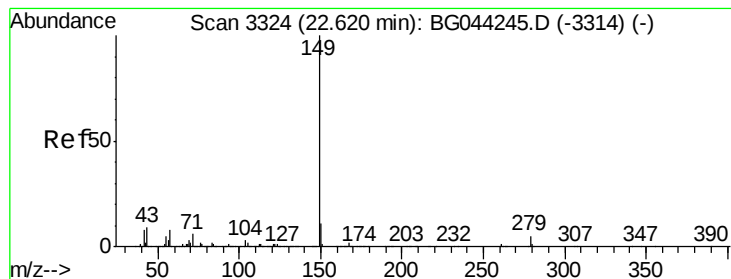
Tot Ion:228 Resp: 1550
 Ion Ratio Lower Upper
 228 100
 226 40.1 27.1 40.7
 229 26.2 17.9 26.9



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 0.046 ng
 RT: 21.44 min Scan# 3123
 Delta R.T. 0.00 min
 Lab File: BG044413.D
 Acq: 12 Feb 2020 17:49

Tgt Ion:149 Resp: 825
 Ion Ratio Lower Upper
 149 100
 167 0.0 24.0 36.0#
 279 0.0 3.8 5.8#





#85

Di-n-octyl phthalate

Concen: 0.029 ng

RT: 22.59 min Scan# 3319

Delta R.T. -0.02 min

Lab File: BG044413.D

Acq: 12 Feb 2020 17:49

Instrument :

BNA_G

ClientSampleId :

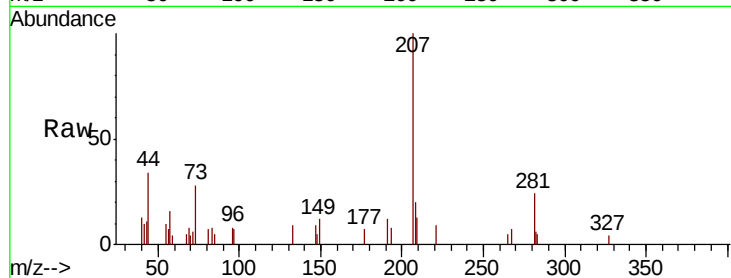
Tot Ion:149 Resp: 918

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

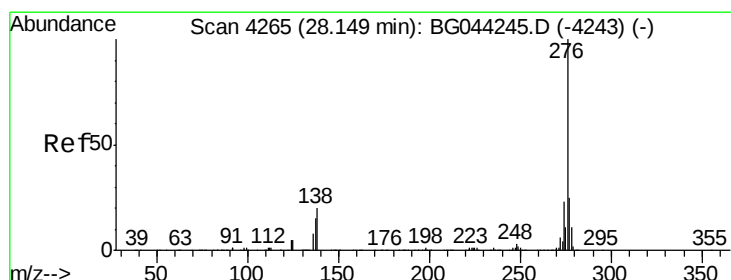
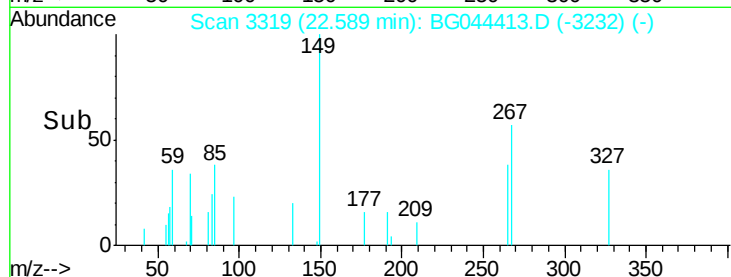
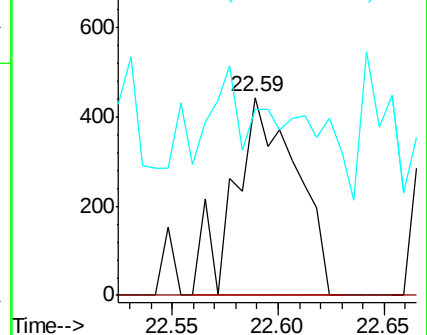
43 28.6 7.4 11.0#



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: 0.002 ng

RT: 28.11 min Scan# 4259

Delta R.T. -0.01 min

Lab File: BG044413.D

Acq: 12 Feb 2020 17:49

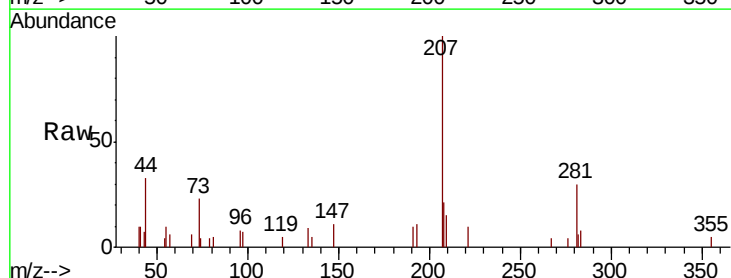
Tgt Ion:276 Resp: 59

Ion Ratio Lower Upper

276 100

138 0.0 19.4 29.0#

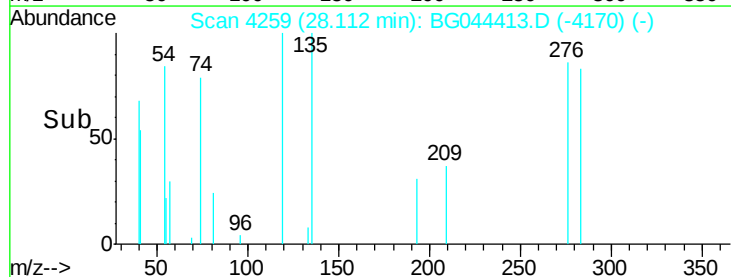
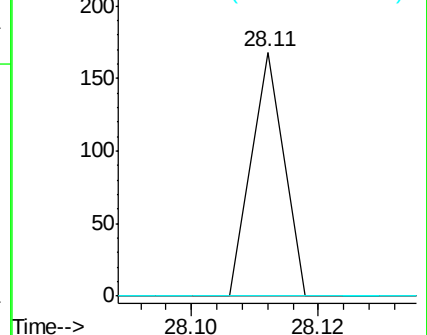
277 0.0 21.0 31.6#

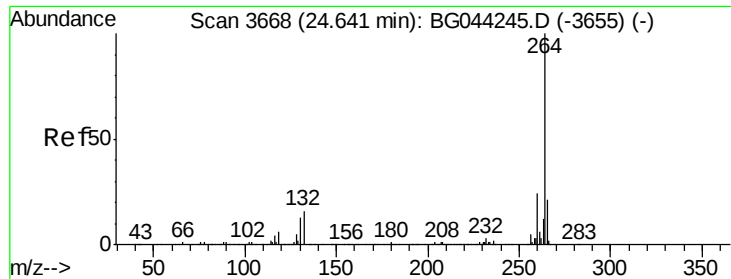


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

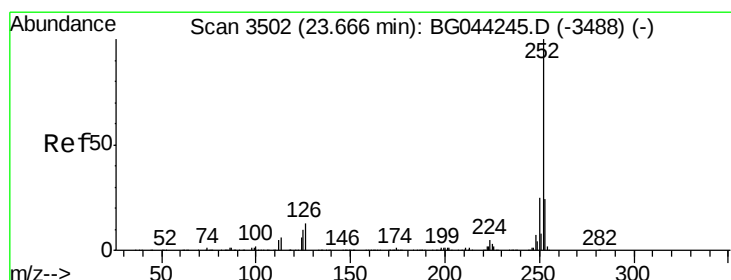
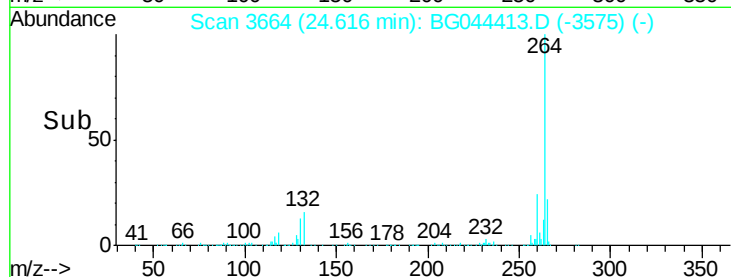
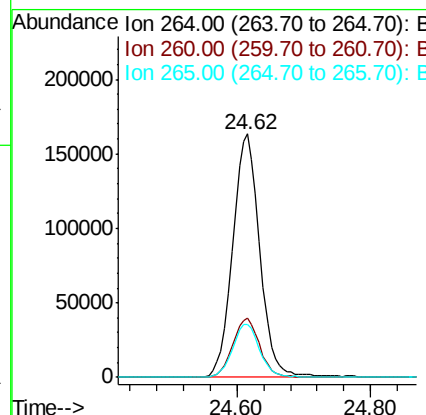
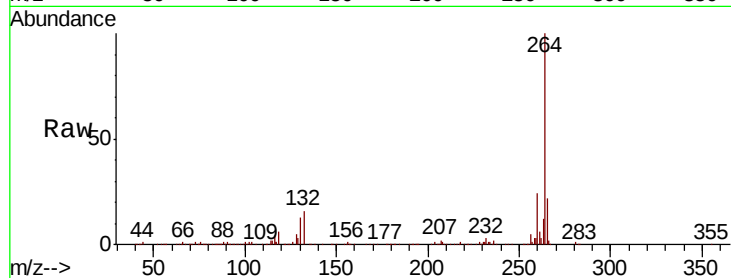




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.62 min Scan# 3664
Delta R.T. -0.01 min
Lab File: BG044413.D
Acq: 12 Feb 2020 17:49

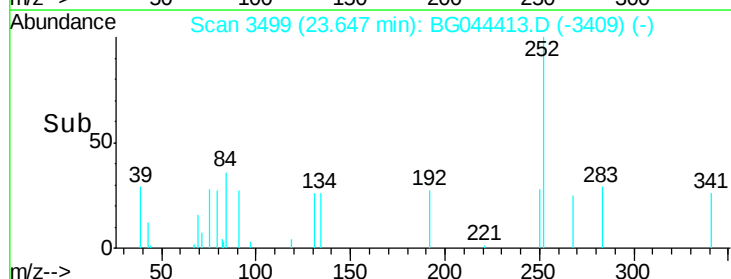
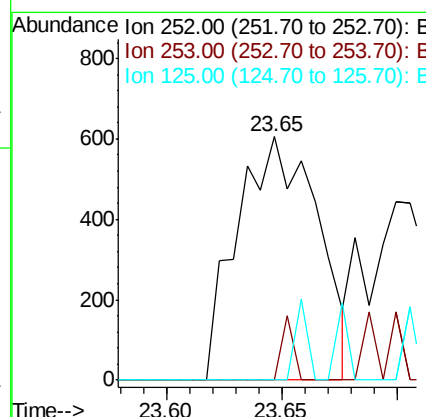
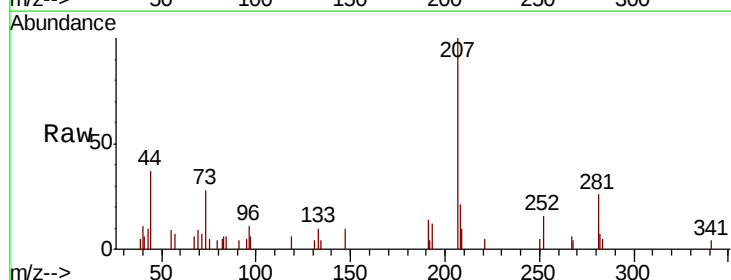
Instrument :
BNA_G
ClientSampleId :

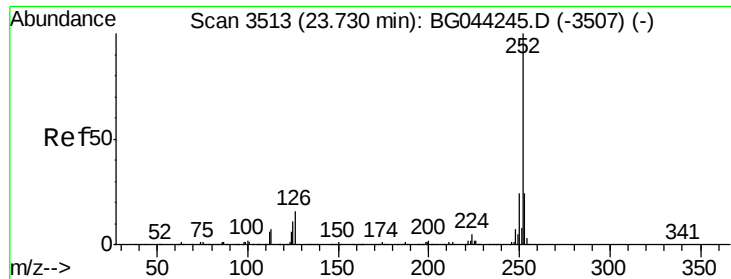
Tot Ion:264 Resp: 464017
Ion Ratio Lower Upper
264 100
260 24.4 19.4 29.2
265 21.6 16.7 25.1



#88
Benzo(b)fluoranthene
Concen: 0.055 ng
RT: 23.65 min Scan# 3499
Delta R.T. 0.00 min
Lab File: BG044413.D
Acq: 12 Feb 2020 17:49

Tgt Ion:252 Resp: 1464
Ion Ratio Lower Upper
252 100
253 0.0 19.2 28.8#
125 0.0 8.4 12.6#





#89

Benzo(k)fluoranthene

Concen: 0.039 ng

RT: 23.72 min Scan# 3511

Delta R.T. 0.01 min

Lab File: BG044413.D

Acq: 12 Feb 2020 17:49

Instrument :

BNA_G

ClientSampleId :

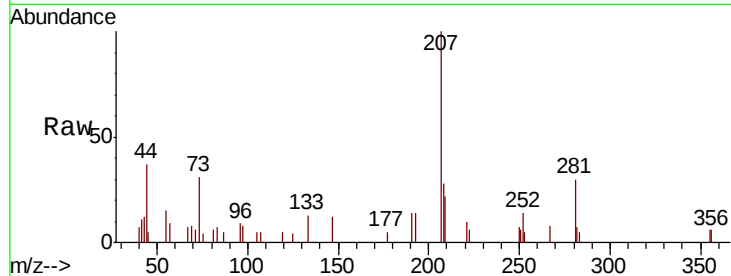
Tot Ion:252 Resp: 1017

Ion Ratio Lower Upper

252 100

253 33.9 19.1 28.7#

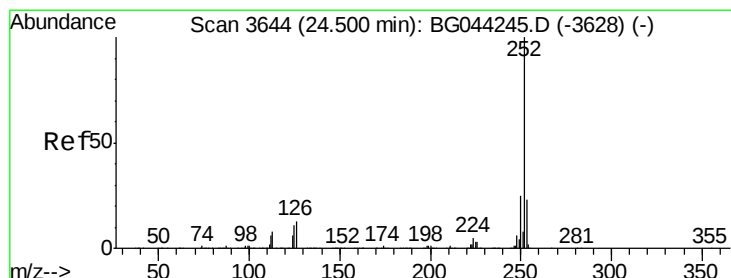
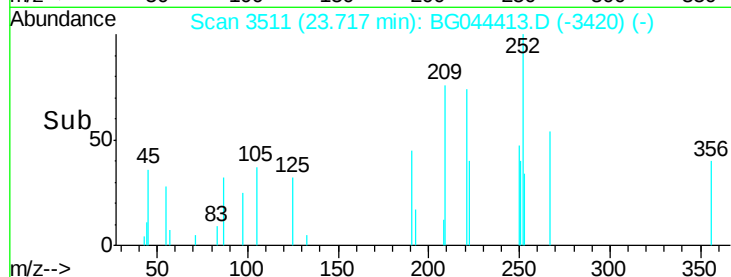
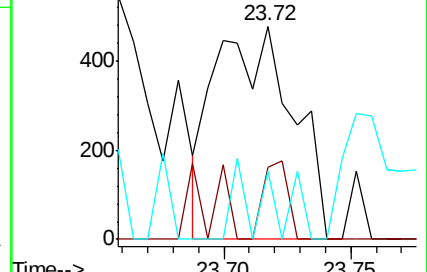
125 32.0 8.6 12.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 0.028 ng

RT: 24.46 min Scan# 3638

Delta R.T. -0.01 min

Lab File: BG044413.D

Acq: 12 Feb 2020 17:49

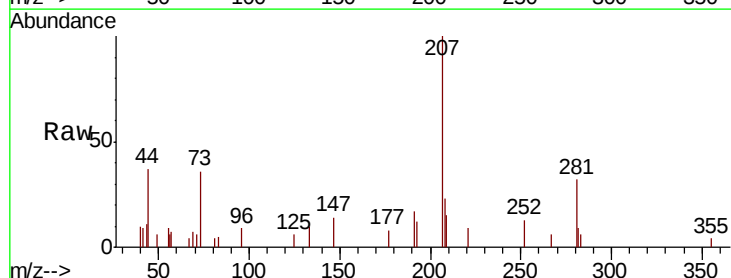
Tgt Ion:252 Resp: 706

Ion Ratio Lower Upper

252 100

253 0.0 18.1 27.1#

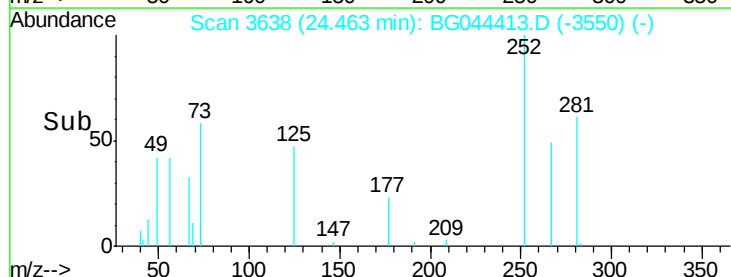
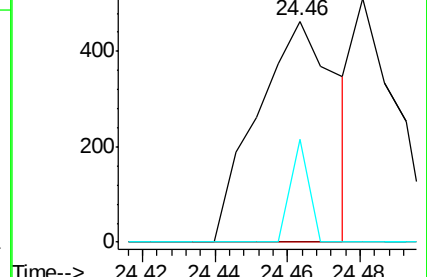
125 46.9 8.6 13.0#

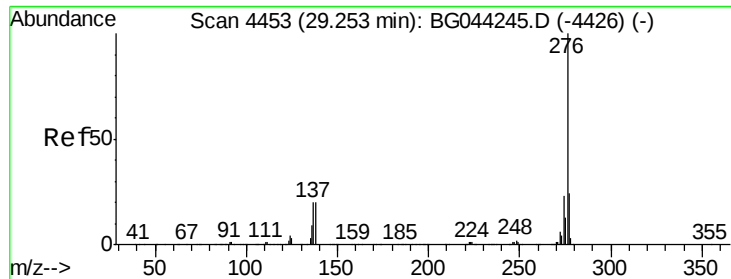


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(a,h,i)perylene

Concen: 0.003 ng

RT: 29.20 min Scan# 4444

Delta R.T. -0.01 min

Lab File: BG044413.D

Acq: 12 Feb 2020 17:49

Instrument :

BNA_G

ClientSampleId :

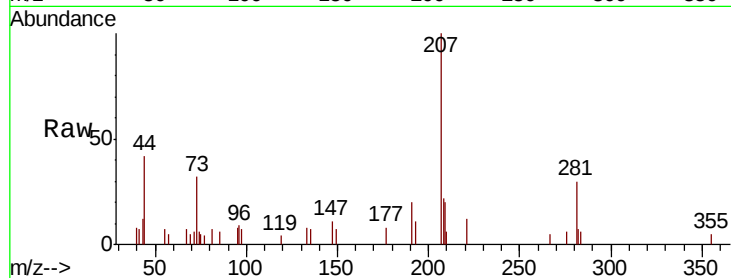
Tot Ion: 276 Resp: 77

Ion Ratio Lower Upper

276 100

277 0.0 18.8 28.2#

138 0.0 16.2 24.2#



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

