

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021220\
 Data File : BG044406.D
 Acq On : 12 Feb 2020 13:06
 Operator : CG/JU
 Sample : L1438-03
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 13 01:03:46 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	81638	20.00	ng	0.00
21) Naphthalene-d8	10.70	136	320517	20.00	ng	0.00
39) Acenaphthene-d10	14.54	164	202413	20.00	ng	0.00
64) Phenanthrene-d10	17.29	188	477936	20.00	ng	0.00
76) Chrysene-d12	21.53	240	464147	20.00	ng	0.00
87) Perylene-d12	24.61	264	472710	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	604095	130.59	ng	0.00
7) Phenol-d6	7.07	99	699751	112.65	ng	0.00
23) Nitrobenzene-d5	9.06	82	540550	95.21	ng	0.00
42) 2,4,6-Tribromophenol	16.03	330	376455	158.43	ng	0.00
45) 2-Fluorobiphenyl	13.16	172	1210853	100.17	ng	0.00
79) Terphenyl-d14	19.90	244	2007245	88.95	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.37	88	214	0.103	ng	# 24
3) Pyridine	3.97	79	57	0.010	ng	# 1
4) n-Nitrosodimethylamine	3.59	42	383	0.166	ng	# 1
9) Benzaldehyde	7.08	77	1703	0.481	ng	# 1
10) Phenol	7.10	94	4659	0.758	ng	# 59
15) Benzyl Alcohol	8.23	79	8733	1.986	ng	# 49
16) 2,2'-oxybis(1-Chloropropan	8.45	45	175	0.025	ng	# 67
18) Hexachloroethane	9.08	117	54	0.024	ng	# 1
19) n-Nitroso-di-n-propylamine	9.06	70	70155	16.946	ng	# 75
22) Acetophenone	8.72	105	569	0.073	ng	# 54
24) Nitrobenzene	9.06	77	1641	0.296	ng	# 30
25) Isophorone	9.63	82	164	0.015	ng	# 64
31) Naphthalene	10.75	128	5776	0.371	ng	# 96
33) 4-Chloroaniline	10.75	127	762	0.108	ng	# 41
35) Caprolactam	11.57	113	58	0.032	ng	# 1
37) 2-Methylnaphthalene	12.59	142	3314	0.287	ng	# 94
38) 1-Methylnaphthalene	12.59	142	3314	0.304	ng	# 91
46) 1,1'-Biphenyl	13.38	154	3257	0.223	ng	# 97
48) 2-Nitroaniline	13.98	65	69	0.020	ng	# 1
49) Acenaphthylene	14.10	152	65	0.004	ng	# 58
50) Dimethylphthalate	14.00	163	40820	2.805	ng	# 98
51) 2,6-Dinitrotoluene	14.54	165	26438	8.149	ng	# 30
52) Acenaphthene	14.60	154	1579	0.143	ng	# 96
55) Dibenzofuran	14.95	168	610	0.036	ng	# 45
56) 4-Nitrophenol	14.95	139	72	0.027	ng	# 11
57) 2,4-Dinitrotoluene	14.54	165	26438	5.814	ng	# 28
58) Fluorene	15.59	166	1289	0.098	ng	# 88
60) Diethylphthalate	15.36	149	1088	0.075	ng	# 85
62) 4-Nitroaniline	16.06	138	53	0.015	ng	# 1
63) Azobenzene	15.90	77	130	0.010	ng	# 20
65) 4,6-Dinitro-2-methylphenol	16.03	198	1153	0.437	ng	# 1
66) n-Nitrosodiphenylamine	16.03	169	13022	0.972	ng	# 49
67) 4-Bromophenyl-phenylether	16.03	248	25027	4.806	ng	# 1
71) Phenanthrene	17.32	178	3226	0.139	ng	# 82

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021220\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

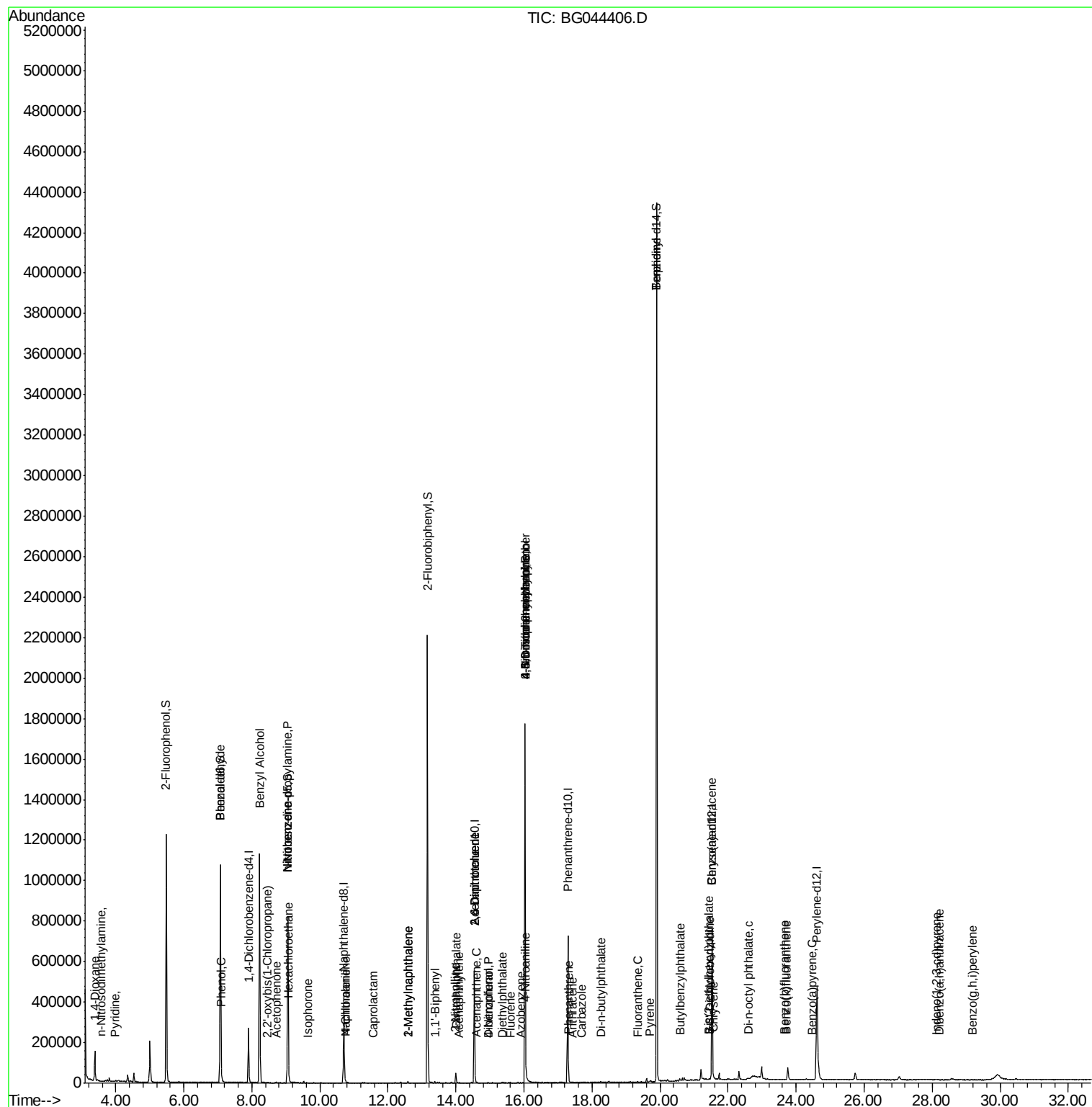
72) Anthracene	17.42	178	554	0.024	ng	# 57
73) Carbazole	17.69	167	53	0.003	ng	# 56
74) Di-n-butylphthalate	18.26	149	4263	0.164	ng	98
75) Fluoranthene	19.34	202	858	0.032	ng	78
77) Benzidine	19.90	184	33448	2.598	ng	# 92
78) Pyrene	19.69	202	898	0.030	ng	# 53
80) Butylbenzylphthalate	20.59	149	890	0.066	ng	# 75
81) Benzo(a)anthracene	21.53	228	2023	0.071	ng	# 83
82) 3,3'-Dichlorobenzidine	21.45	252	305	0.027	ng	# 25
83) Chrysene	21.58	228	830	0.030	ng	# 46
84) Bis(2-ethylhexyl)phthalate	21.43	149	2623	0.140	ng	# 88
85) Di-n-octyl phthalate	22.59	149	1194	0.037	ng	# 78
86) Indeno(1,2,3-cd)pyrene	28.12	276	55	0.002	ng	# 50
88) Benzo(b)fluoranthene	23.65	252	954	0.035	ng	# 58
89) Benzo(k)fluoranthene	23.71	252	1070	0.040	ng	# 58
90) Benzo(a)pyrene	24.48	252	761	0.030	ng	# 59
91) Dibenzo(a,h)anthracene	28.21	278	55	0.002	ng	# 56
92) Benzo(g,h,i)perylene	29.20	276	53	0.002	ng	# 54

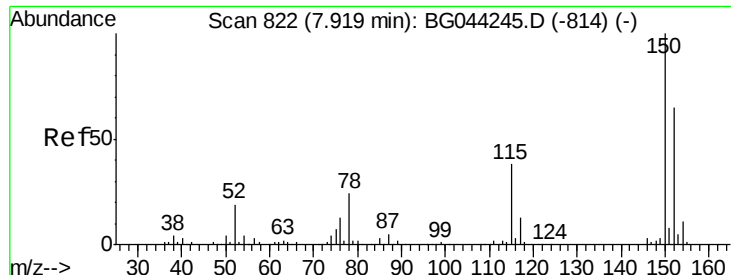
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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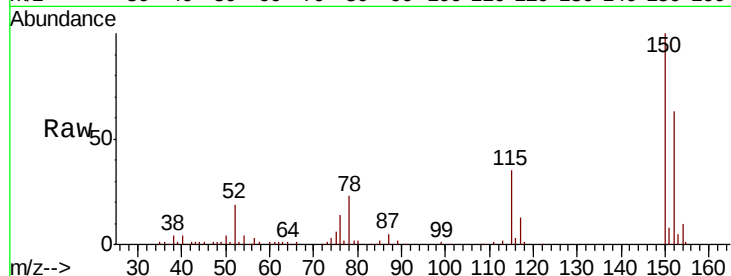


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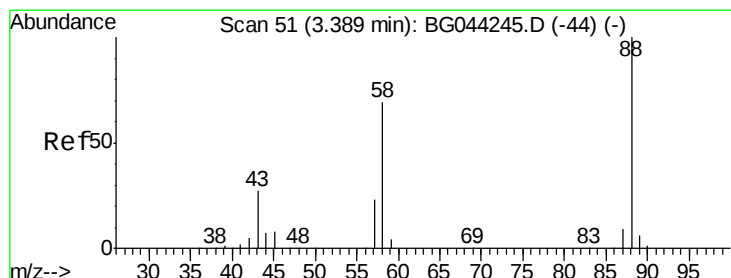
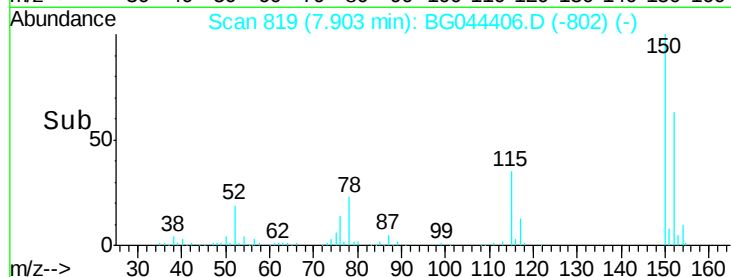
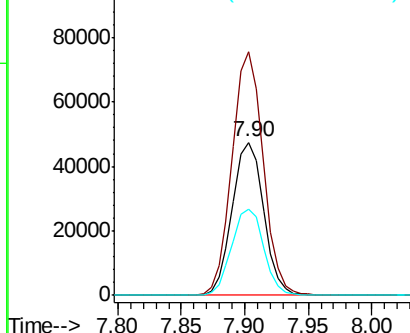
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.90 min Scan# 819
 Delta R.T. -0.00 min
 Lab File: BG044406.D
 Acq: 12 Feb 2020 13:06

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	122.6	183.8
115	56.2	46.0	69.0



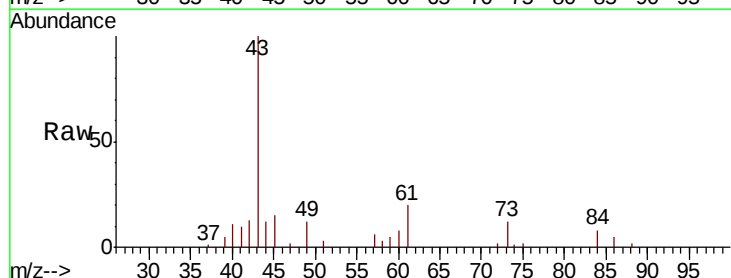
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



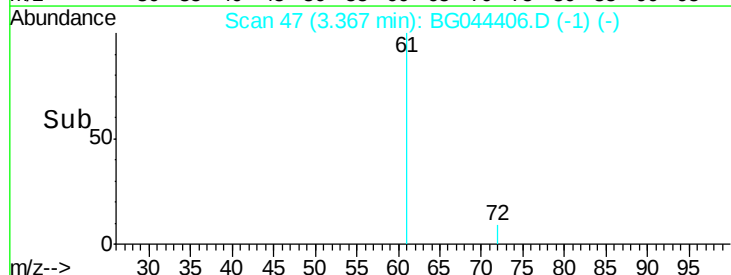
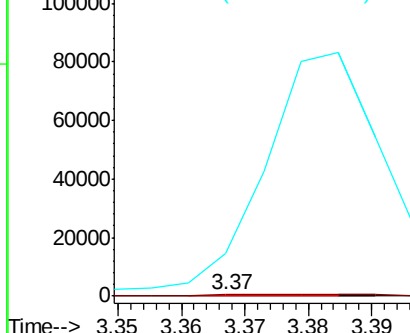
#2

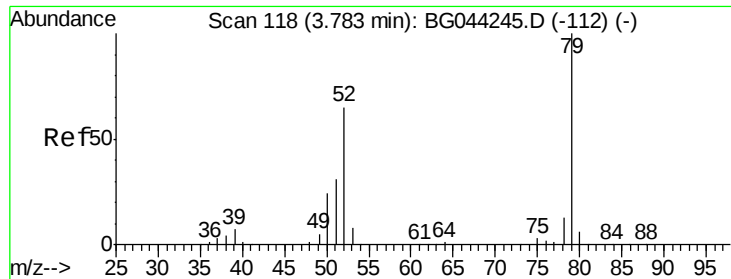
1,4-Dioxane
 Concen: 0.103 ng
 RT: 3.37 min Scan# 47
 Delta R.T. 0.00 min
 Lab File: BG044406.D
 Acq: 12 Feb 2020 13:06

Tgt 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: 0.010 ng

RT: 3.97 min Scan# 150

Delta R.T. 0.21 min

Lab File: BG044406.D

Acq: 12 Feb 2020 13:06

Instrument :

BNA_G

ClientSampled :

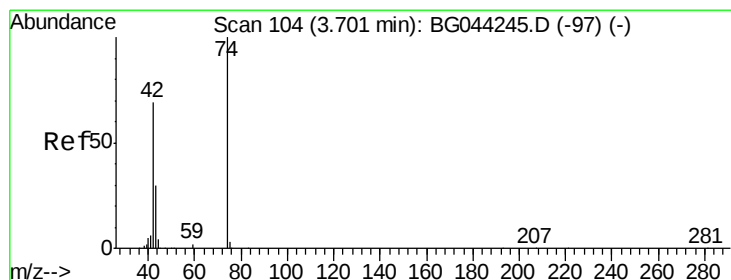
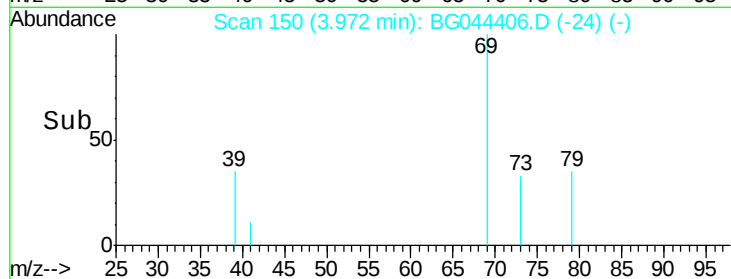
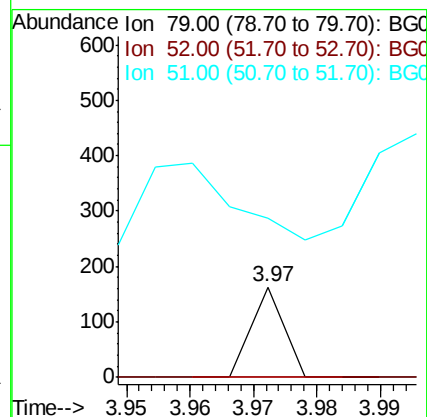
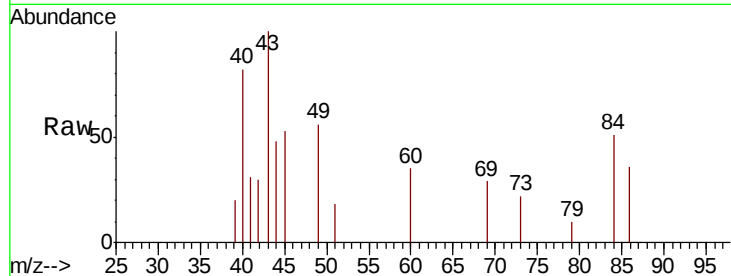
Tot Ion: 79 Resp: 57

Ion Ratio Lower Upper

79 100

52 0.0 51.9 77.9#

51 176.7 25.3 37.9#



#4

n-Nitrosodimethylamine

Concen: 0.166 ng

RT: 3.59 min Scan# 85

Delta R.T. -0.08 min

Lab File: BG044406.D

Acq: 12 Feb 2020 13:06

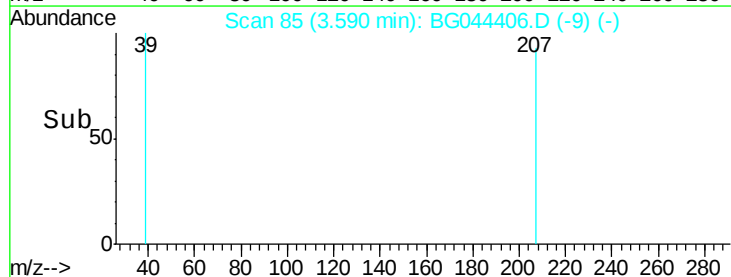
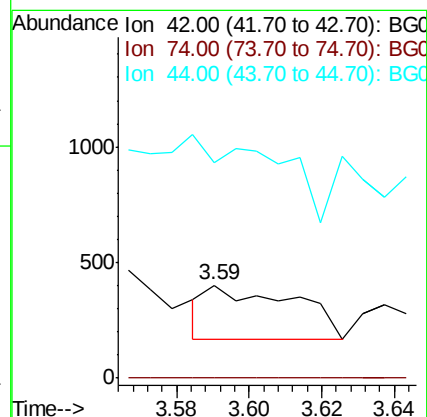
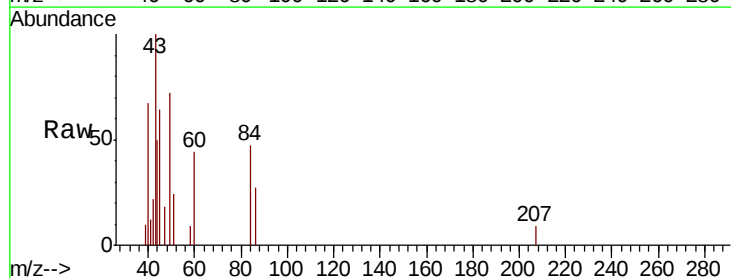
Tgt Ion: 42 Resp: 383

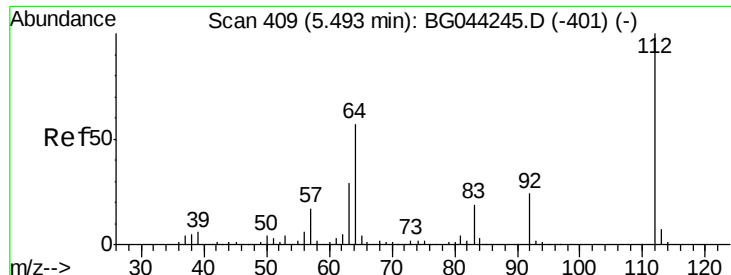
Ion Ratio Lower Upper

42 100

74 0.0 115.1 172.7#

44 231.1 5.6 8.4#





#5

2-Fluorophenol

Concen: 130.593 ng

RT: 5.48 min Scan# 407

Delta R.T. 0.00 min

Lab File: BG044406.D

Acq: 12 Feb 2020 13:06

Instrument :

BNA_G

ClientSampleId :

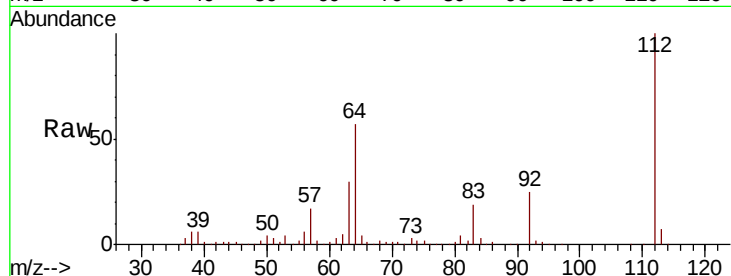
Tot Ion: 112 Resp: 604095

Ion Ratio Lower Upper

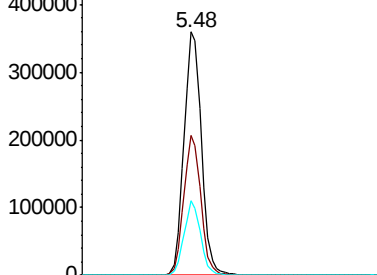
112 100

64 57.4 45.4 68.2

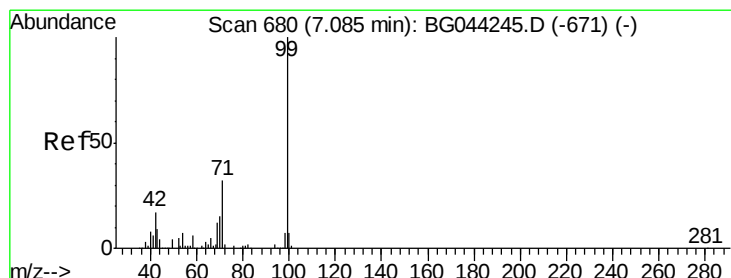
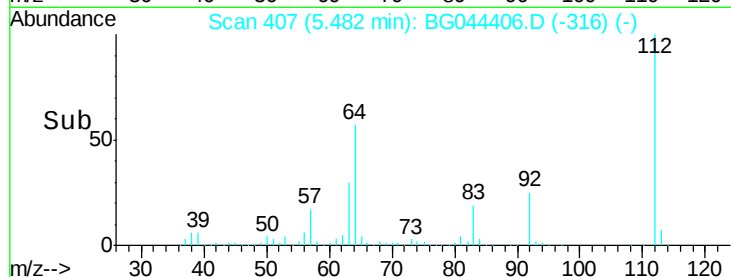
63 30.5 22.9 34.3



Abundance Ion 112.00 (111.70 to 112.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC



Time-->



#7

Phenol-d6

Concen: 112.650 ng

RT: 7.07 min Scan# 678

Delta R.T. -0.00 min

Lab File: BG044406.D

Acq: 12 Feb 2020 13:06

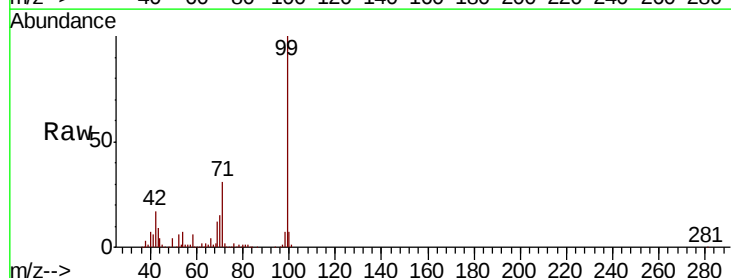
Tgt Ion: 99 Resp: 699751

Ion Ratio Lower Upper

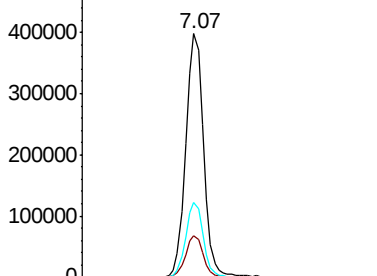
99 100

42 16.9 13.8 20.6

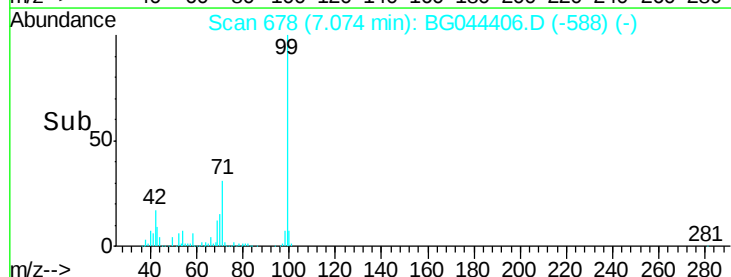
71 30.8 25.5 38.3

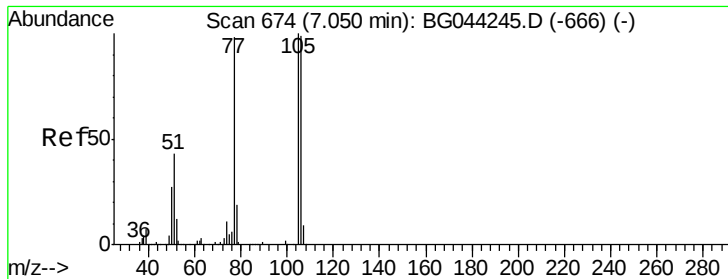


Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



Time-->





#9

Benzaldehyde

Concen: 0.481 ng

RT: 7.08 min Scan# 679

Delta R.T. 0.04 min

Lab File: BG044406.D

Acq: 12 Feb 2020 13:06

Instrument :

BNA_G

ClientSampled :

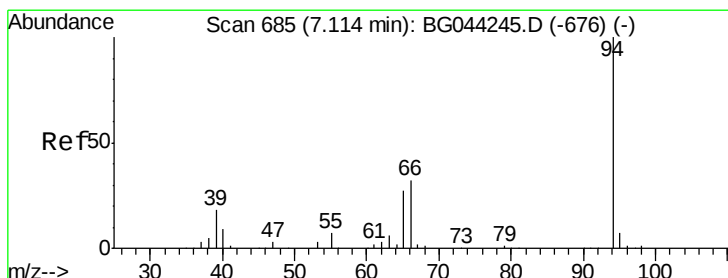
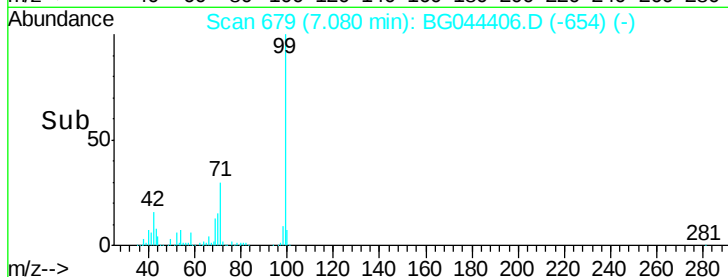
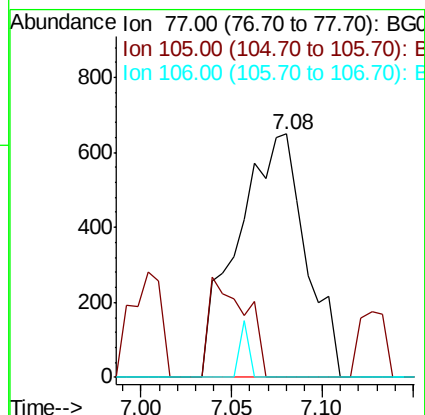
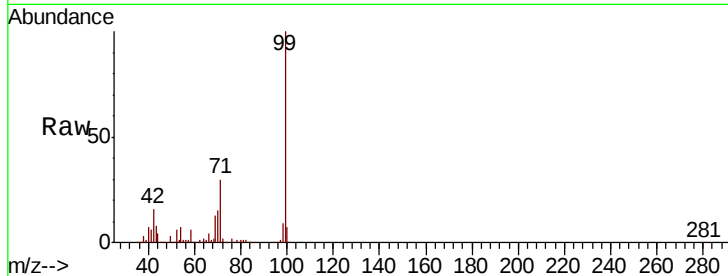
Tot Ion: 77 Resp: 1703

Ion Ratio Lower Upper

77 100

105 0.0 82.0 122.0#

106 0.0 80.7 120.7#



#10

Phenol

Concen: 0.758 ng

RT: 7.10 min Scan# 683

Delta R.T. 0.00 min

Lab File: BG044406.D

Acq: 12 Feb 2020 13:06

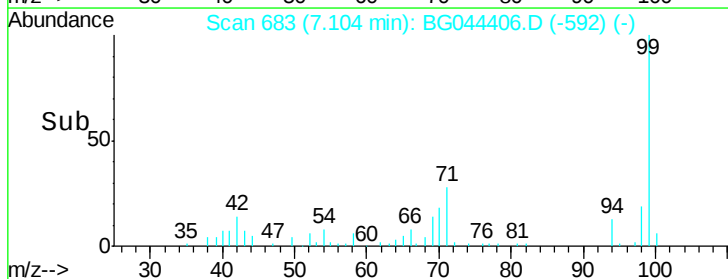
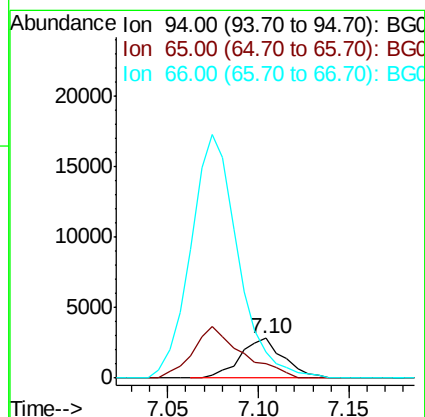
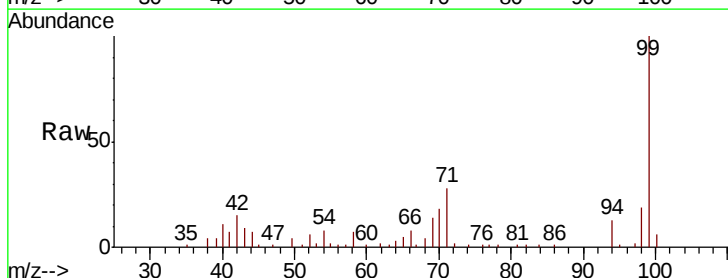
Tgt Ion: 94 Resp: 4659

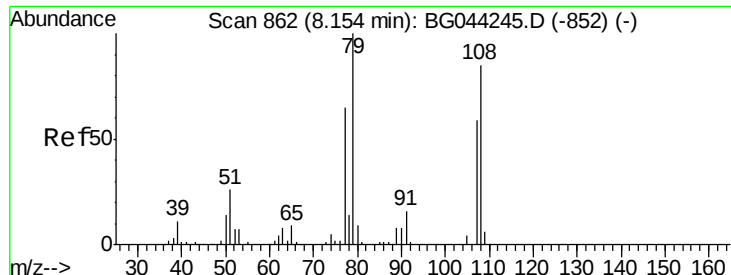
Ion Ratio Lower Upper

94 100

65 37.5 7.0 47.0

66 65.0 12.7 52.7#





#15

Benzyl Alcohol

Concen: 1.986 ng

RT: 8.23 min Scan# 874

Delta R.T. 0.09 min

Lab File: BG044406.D

Acq: 12 Feb 2020 13:06

Instrument :

BNA_G

ClientSampled :

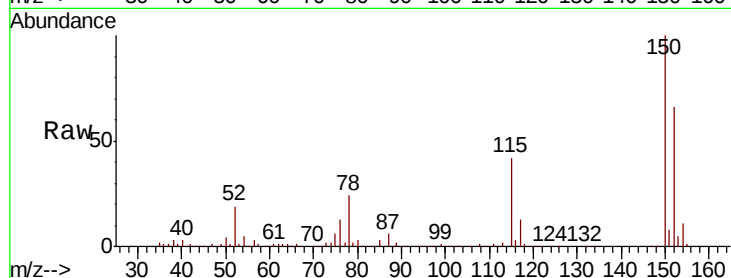
Tot Ion: 79 Resp: 8733

Ion Ratio Lower Upper

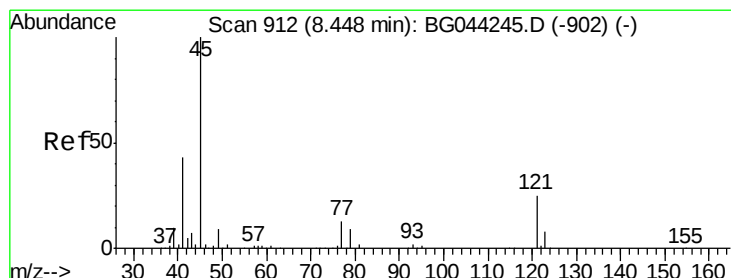
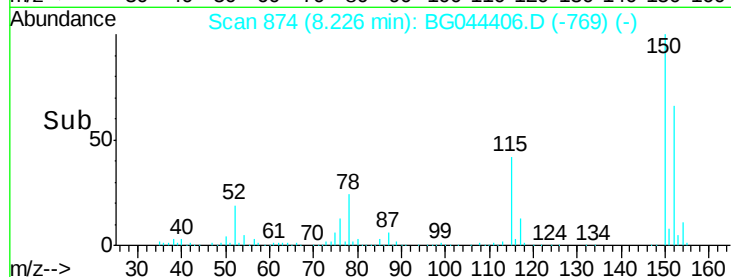
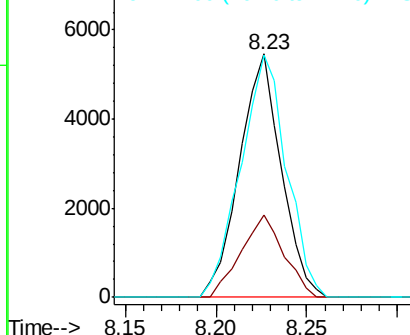
79 100

108 33.9 68.3 102.5#

77 99.4 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: 0.025 ng

RT: 8.45 min Scan# 912

Delta R.T. 0.02 min

Lab File: BG044406.D

Acq: 12 Feb 2020 13:06

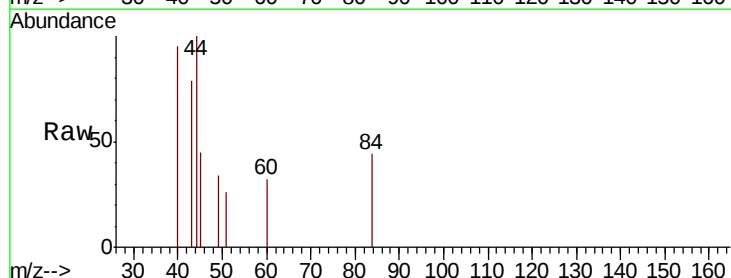
Tgt Ion: 45 Resp: 175

Ion Ratio Lower Upper

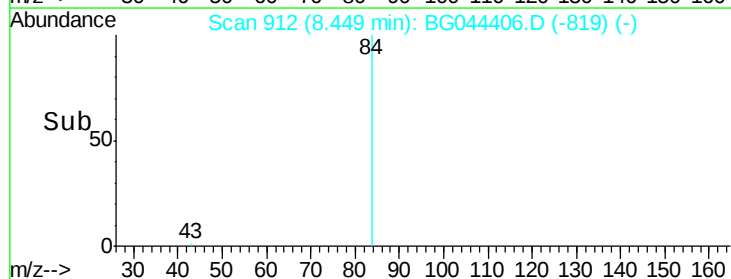
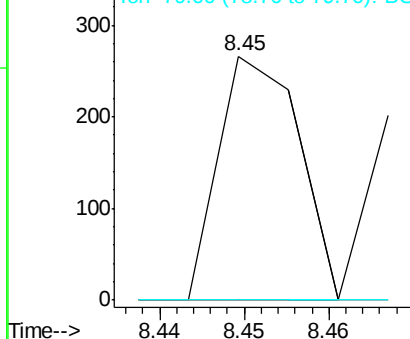
45 100

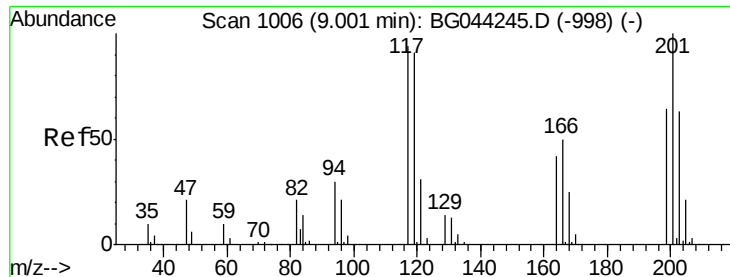
77 0.0 0.0 35.2

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

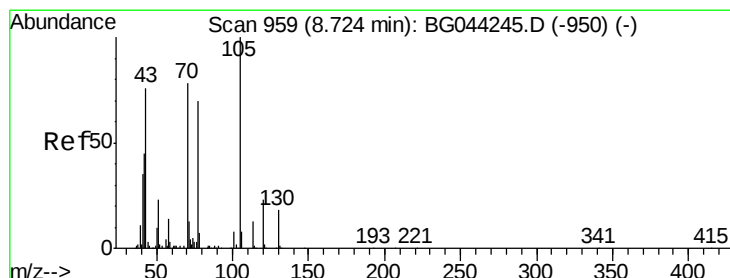
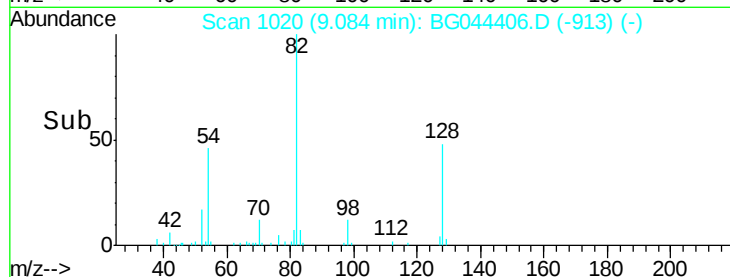
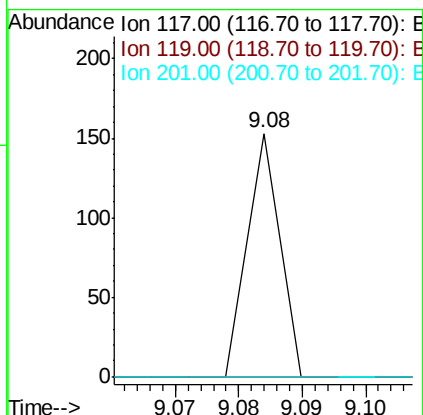
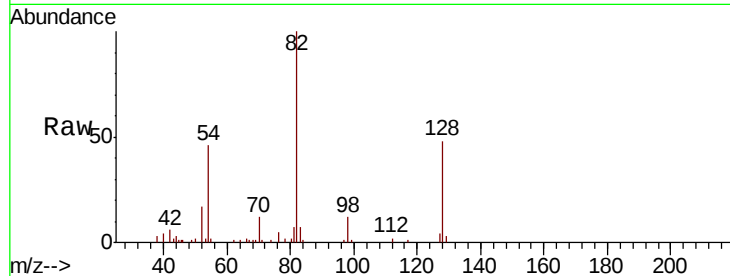




#18
Hexachloroethane
Concen: 0.024 ng
RT: 9.08 min Scan# 1020
Delta R.T. 0.10 min
Lab File: BG044406.D
Acq: 12 Feb 2020 13:06

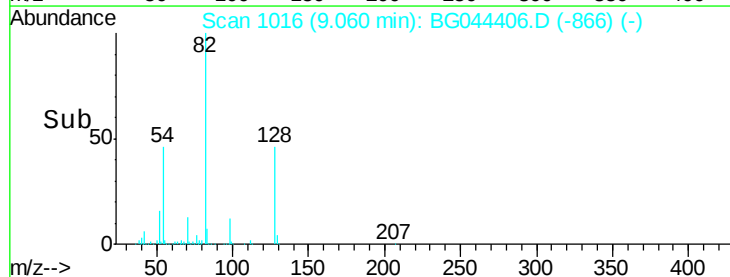
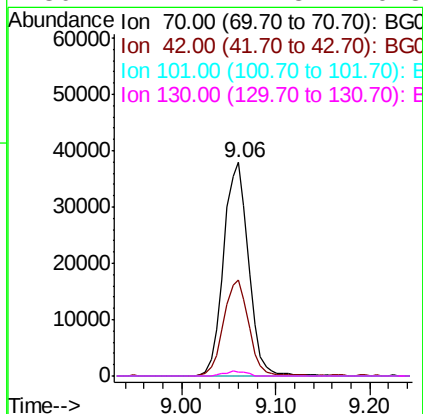
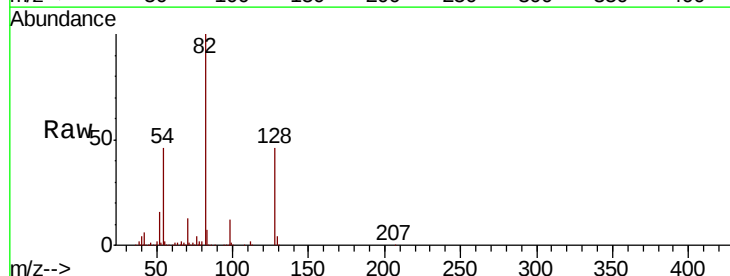
Instrument :
BNA_G
ClientSampleId :

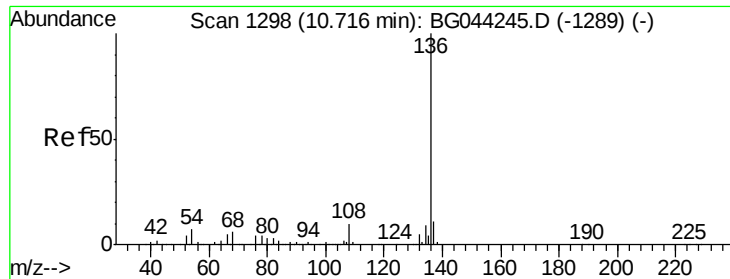
Tot Ion:117 Resp: 54
Ion Ratio Lower Upper
117 100
119 0.0 77.5 116.3#
201 0.0 84.9 127.3#



#19
n-Nitroso-di-n-propylamine
Concen: 16.946 ng
RT: 9.06 min Scan# 1016
Delta R.T. 0.35 min
Lab File: BG044406.D
Acq: 12 Feb 2020 13:06

Tgt Ion: 70 Resp: 70155
Ion Ratio Lower Upper
70 100
42 44.9 46.2 69.2#
101 0.0 8.4 12.6#
130 2.1 17.8 26.8#

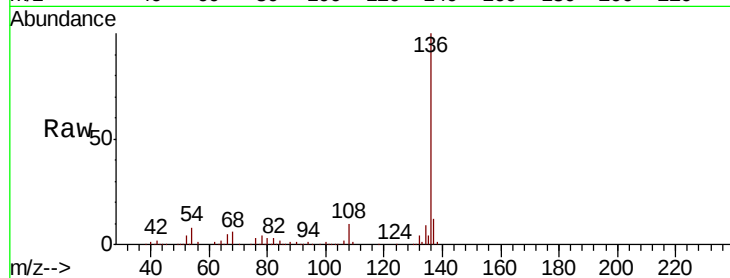




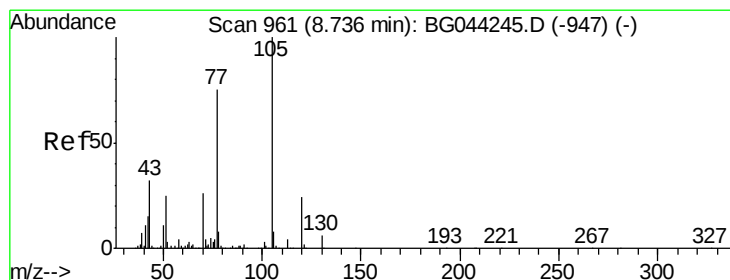
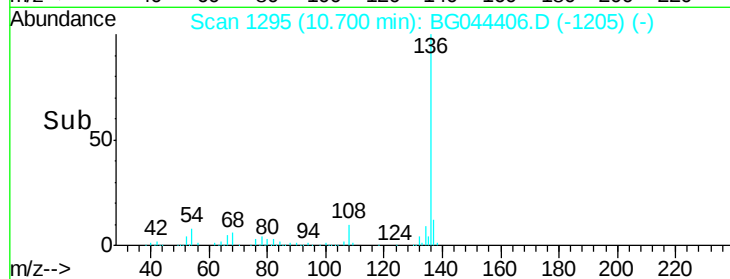
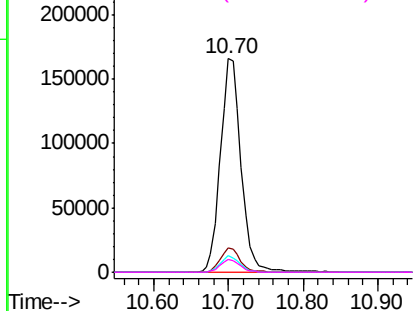
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.70 min Scan# 1295
Delta R.T. -0.00 min
Lab File: BG044406.D
Acq: 12 Feb 2020 13:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	320517
Ion Ratio	Lower	Upper
136	100	
137	11.5	8.8 13.2
54	7.6	5.8 8.8
68	5.9	4.6 6.8

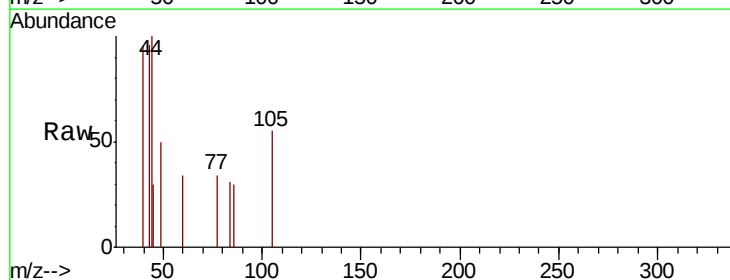


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

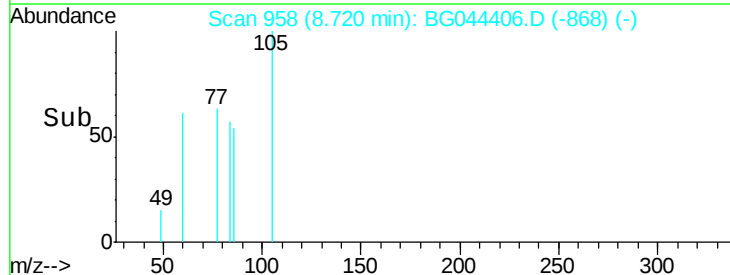
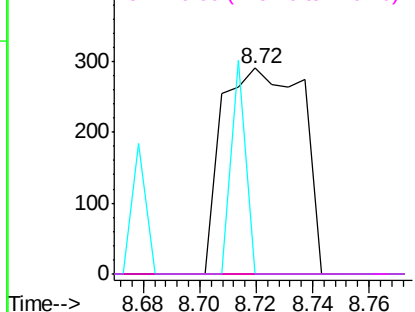


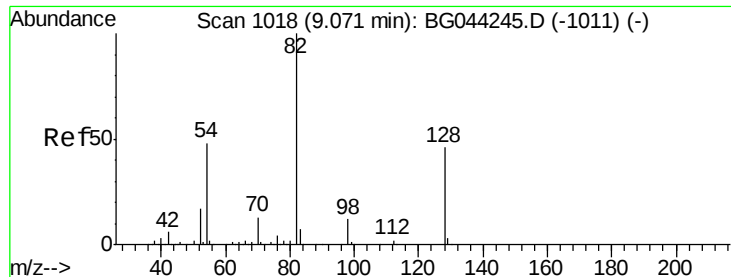
#22
Acetophenone
Concen: 0.073 ng
RT: 8.72 min Scan# 958
Delta R.T. -0.00 min
Lab File: BG044406.D
Acq: 12 Feb 2020 13:06

Tgt Ion:105	Resp:	569
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): BG
Ion 51.00 (50.70 to 51.70): BG
Ion 120.00 (119.70 to 120.70): E

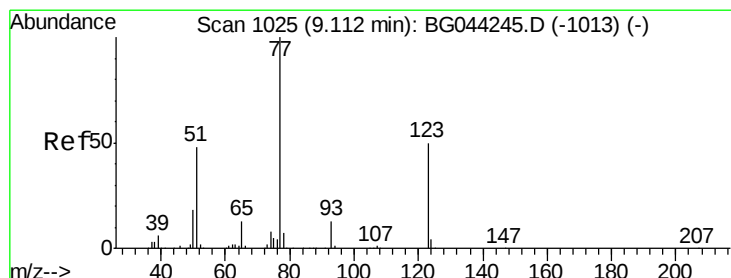
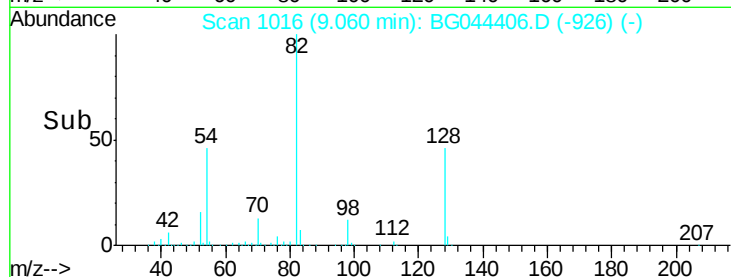
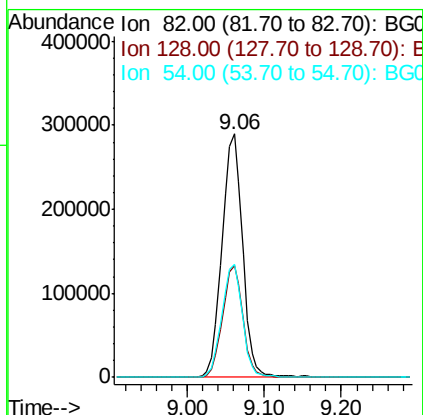
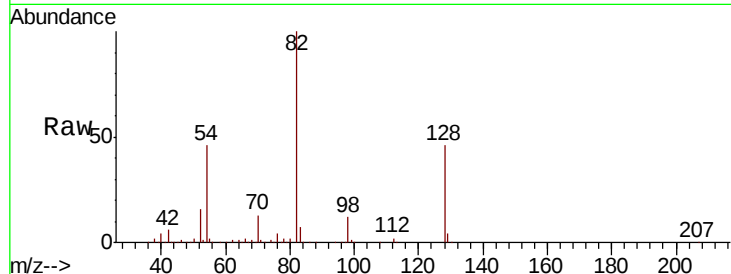




#23
Nitrobenzene-d5
Concen: 95.213 ng
RT: 9.06 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BG044406.D
Acq: 12 Feb 2020 13:06

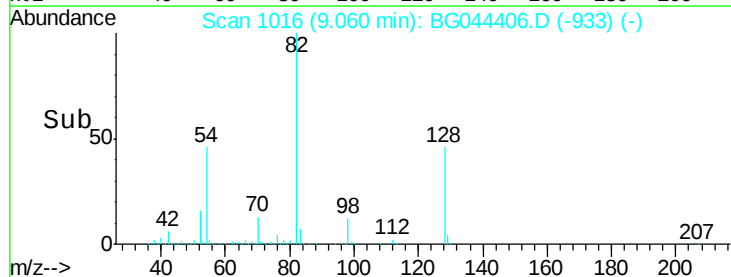
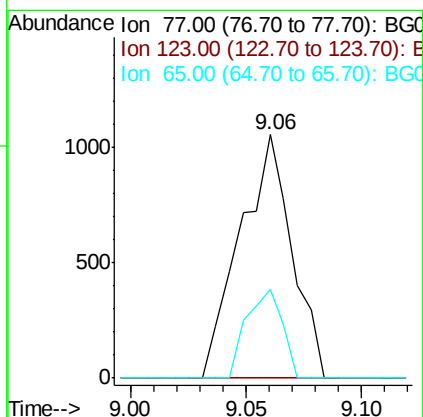
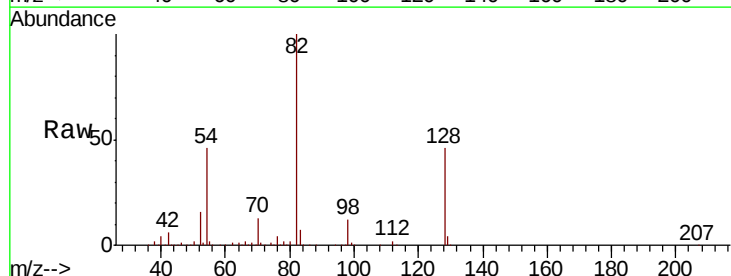
Instrument :
BNA_G
ClientSampleId :

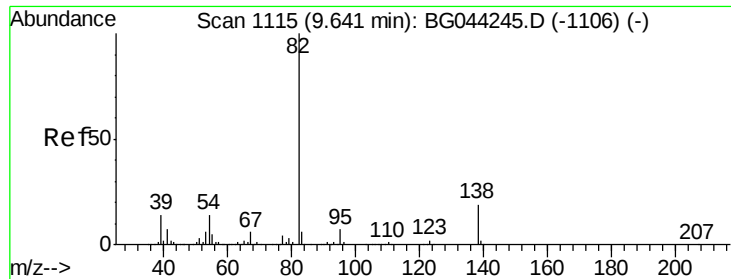
Tot Ion	82	Resp	540550
Ion Ratio	100	Lower	Upper
128	46.0	36.5	54.7
54	46.4	38.6	58.0



#24
Nitrobenzene
Concen: 0.296 ng
RT: 9.06 min Scan# 1016
Delta R.T. -0.04 min
Lab File: BG044406.D
Acq: 12 Feb 2020 13:06

Tgt Ion	77	Resp	1641
Ion Ratio	100	Lower	Upper
123	0.0	39.9	59.9#
65	36.5	10.4	15.6#





#25

Isophorone

Concen: 0.015 ng

RT: 9.63 min Scan# 1113

Delta R.T. -0.00 min

Lab File: BG044406.D

Acq: 12 Feb 2020 13:06

Instrument :

BNA_G

ClientSampled :

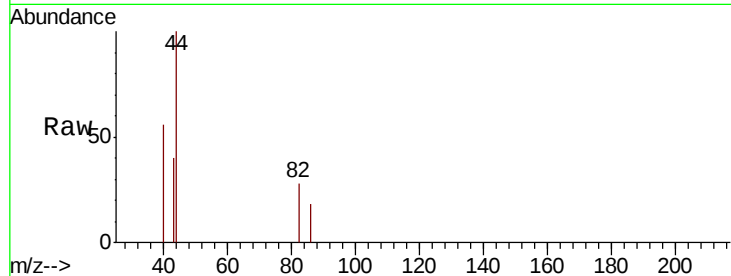
Tot Ion: 82 Resp: 164

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 15.0 22.4#



Abundance Ion 82.00 (81.70 to 82.70): BG044406.D (-1023) (-)

Ion 95.00 (94.70 to 95.70): BG044406.D (-1023) (-)

Ion 138.00 (137.70 to 138.70): BG044406.D (-1023) (-)

9.63

250

200

150

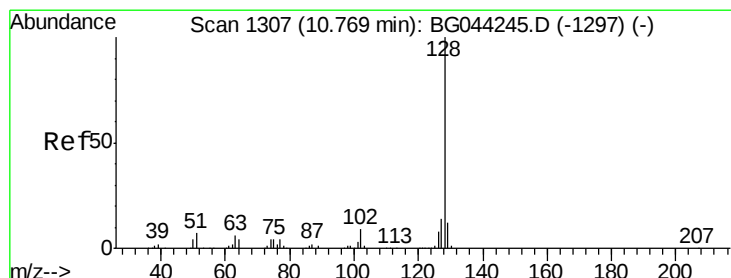
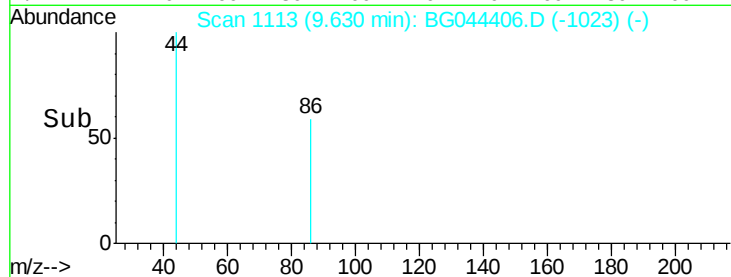
100

50

0

9.62 9.64

Time-->



#31

Naphthalene

Concen: 0.371 ng

RT: 10.75 min Scan# 1304

Delta R.T. -0.00 min

Lab File: BG044406.D

Acq: 12 Feb 2020 13:06

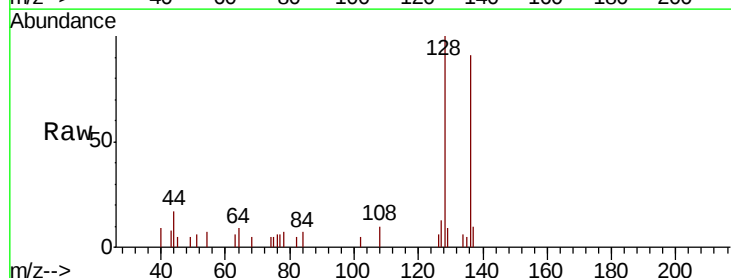
Tgt Ion: 128 Resp: 5776

Ion Ratio Lower Upper

128 100

129 9.5 9.3 13.9

127 13.5 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): BG044406.D (-1214) (-)

Ion 129.00 (128.70 to 129.70): BG044406.D (-1214) (-)

Ion 127.00 (126.70 to 127.70): BG044406.D (-1214) (-)

10.75

4000

3000

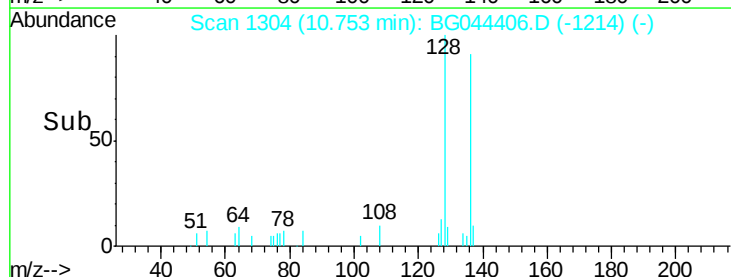
2000

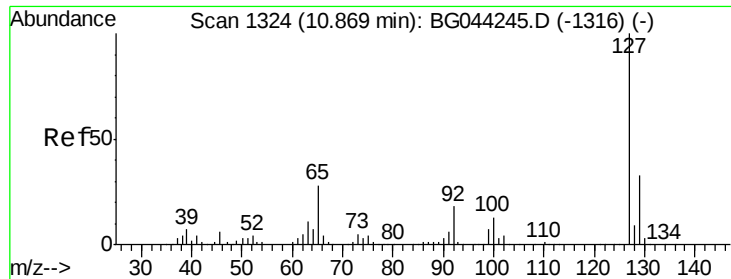
1000

0

10.70 10.75 10.80

Time-->

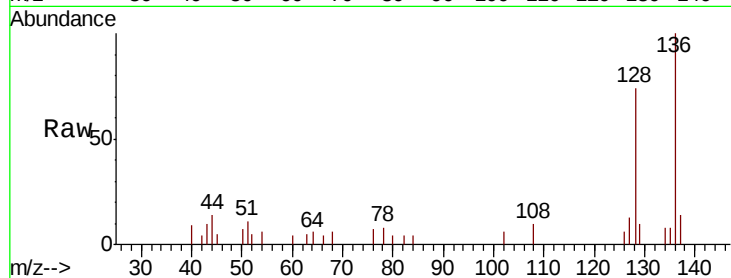




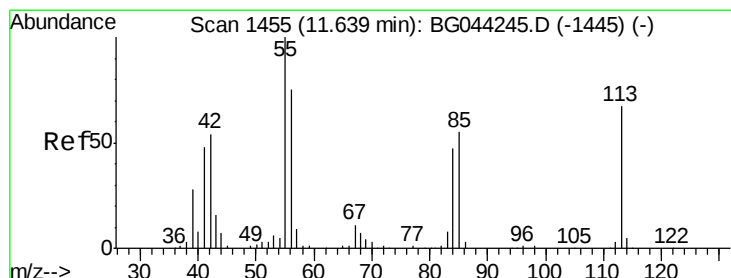
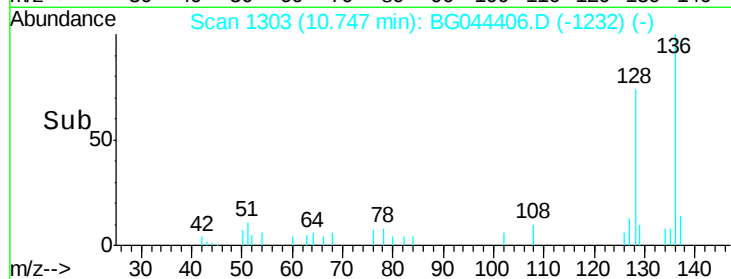
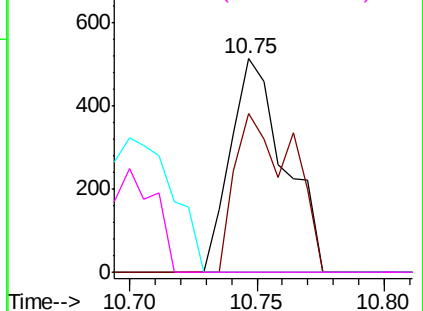
#33
4-Chloroaniline
Concen: 0.108 ng
RT: 10.75 min Scan# 1303
Delta R.T. -0.11 min
Lab File: BG044406.D
Acq: 12 Feb 2020 13:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	127	Resp:	762
Ion	Ratio	Lower	Upper
127	100		
129	74.5	26.6	40.0#
65	0.0	22.5	33.7#
92	0.0	14.1	21.1#

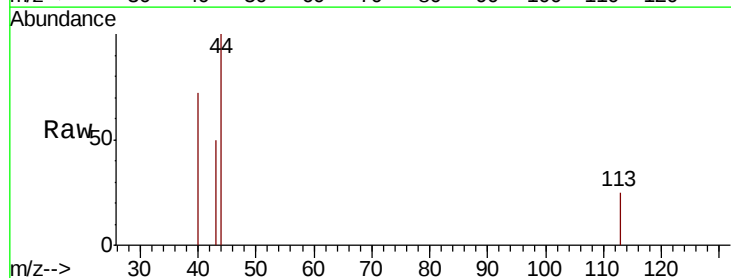


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

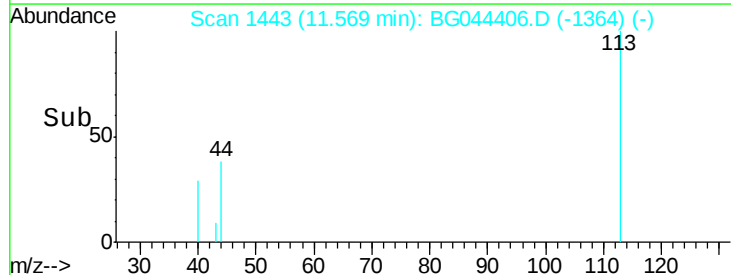
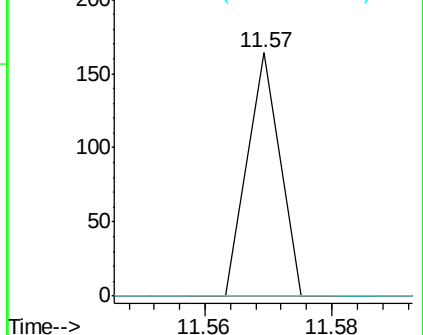


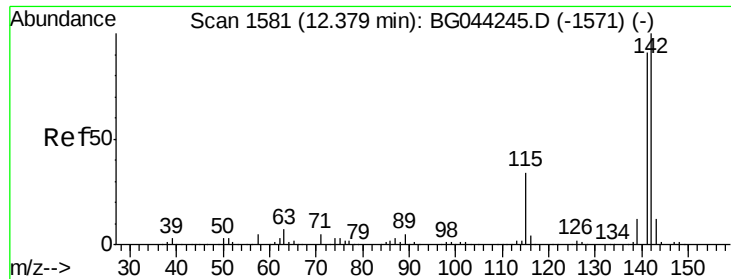
#35
Caprolactam
Concen: 0.032 ng
RT: 11.57 min Scan# 1443
Delta R.T. -0.07 min
Lab File: BG044406.D
Acq: 12 Feb 2020 13:06

Tgt Ion:	113	Resp:	58
Ion	Ratio	Lower	Upper
113	100		
55	0.0	129.9	169.9#
56	0.0	92.5	132.5#



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

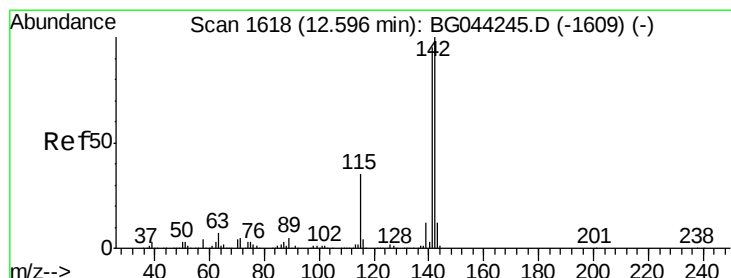
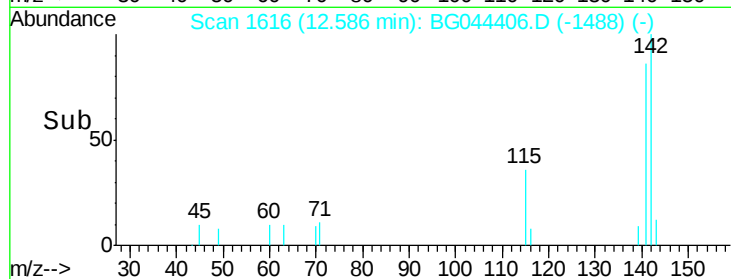
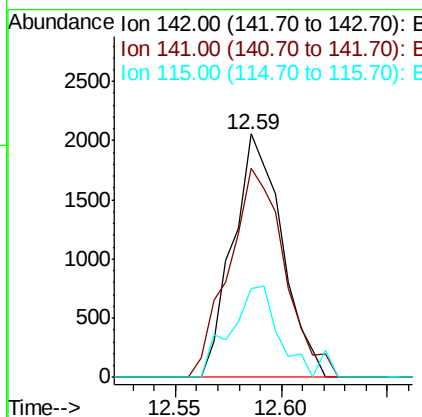
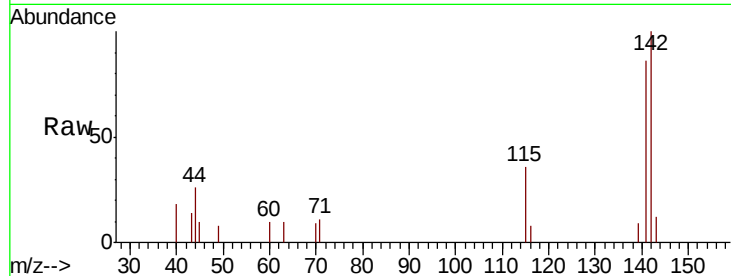




#37
 2-Methylnaphthalene
 Concen: 0.287 ng
 RT: 12.59 min Scan# 1616
 Delta R.T. 0.22 min
 Lab File: BG044406.D
 Acq: 12 Feb 2020 13:06

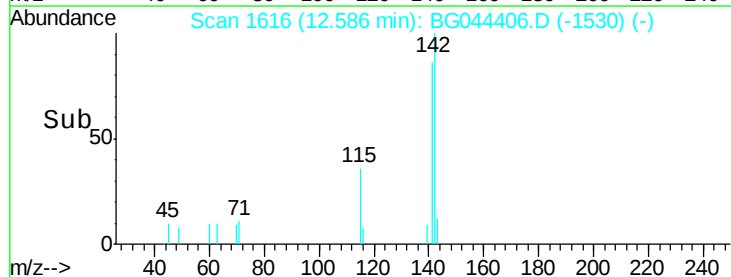
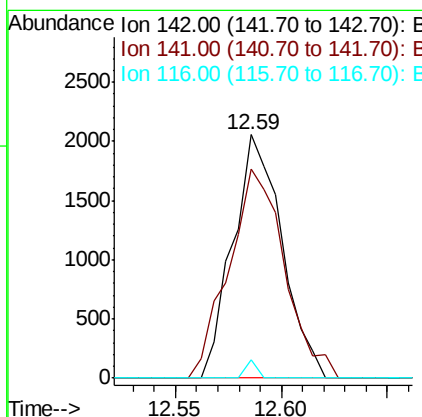
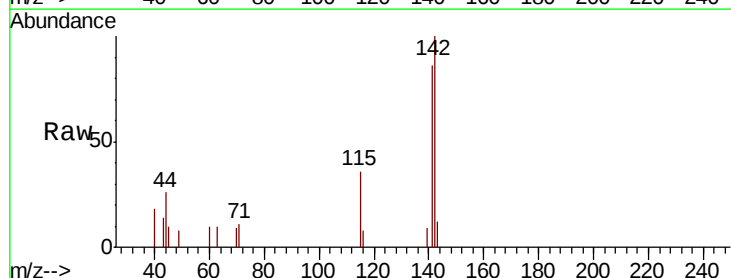
Instrument :
 BNA_G
 ClientSampleId :

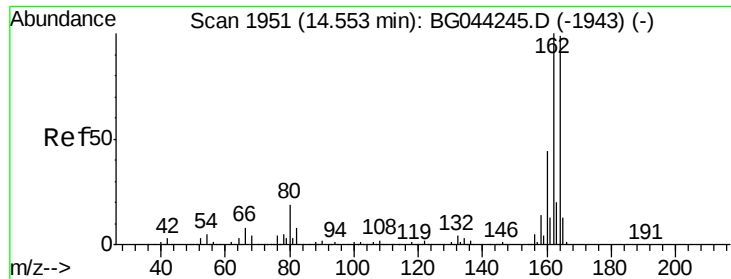
Tot Ion:142 Resp: 3314
 Ion Ratio Lower Upper
 142 100
 141 85.7 73.2 109.8
 115 36.5 27.1 40.7



#38
 1-Methylnaphthalene
 Concen: 0.304 ng
 RT: 12.59 min Scan# 1616
 Delta R.T. 0.00 min
 Lab File: BG044406.D
 Acq: 12 Feb 2020 13:06

Tgt Ion:142 Resp: 3314
 Ion Ratio Lower Upper
 142 100
 141 85.7 75.8 113.6
 116 7.8 3.1 4.7#

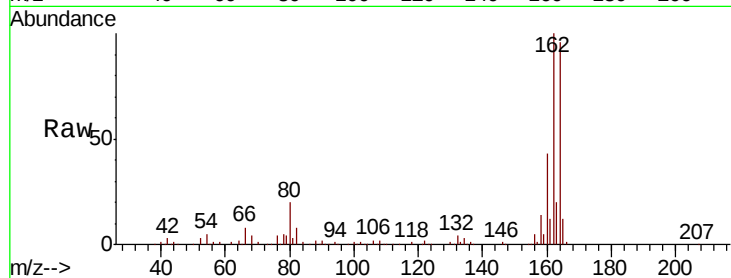




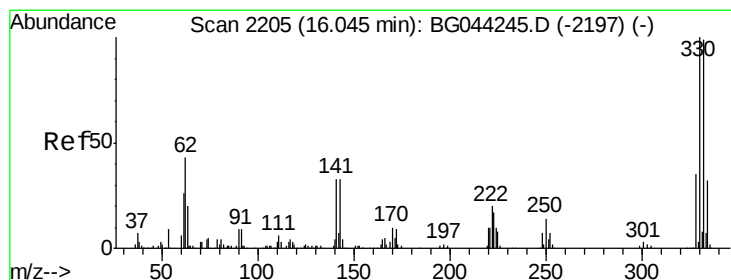
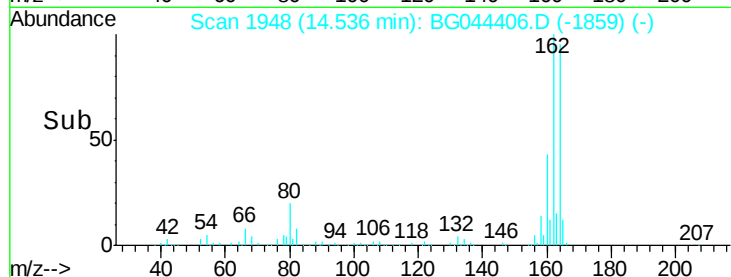
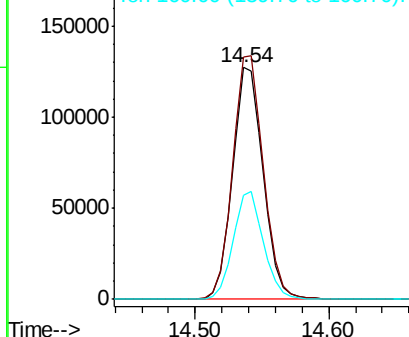
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.54 min Scan# 1948
Delta R.T. -0.01 min
Lab File: BG044406.D
Acq: 12 Feb 2020 13:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 202413
Ion Ratio Lower Upper
164 100
162 104.5 80.7 121.1
160 45.0 35.3 52.9

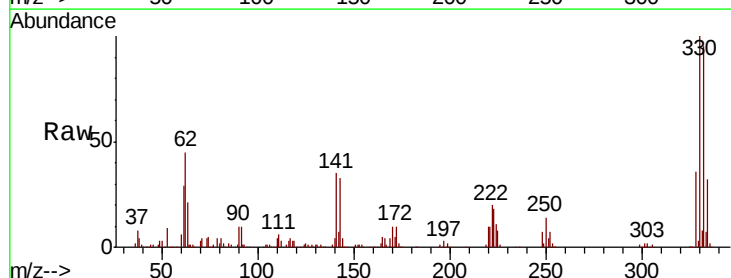


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

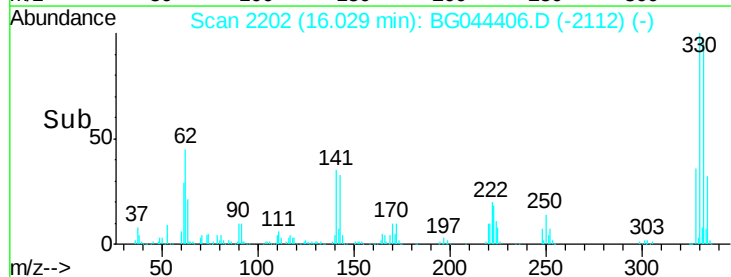
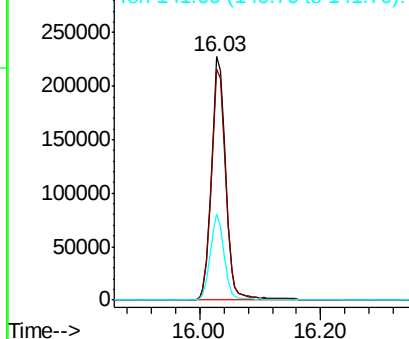


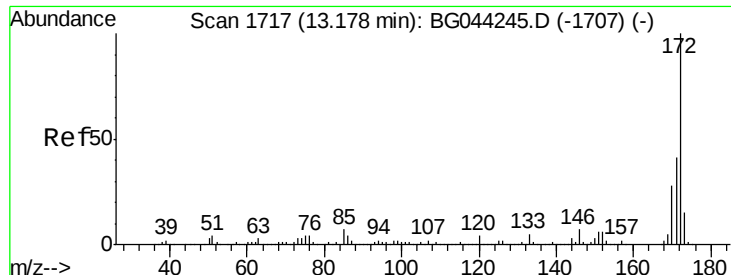
#42
2,4,6-Tribromophenol
Concen: 158.426 ng
RT: 16.03 min Scan# 2202
Delta R.T. -0.00 min
Lab File: BG044406.D
Acq: 12 Feb 2020 13:06

Tgt Ion:330 Resp: 376455
Ion Ratio Lower Upper
330 100
332 95.9 77.2 115.8
141 34.8 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



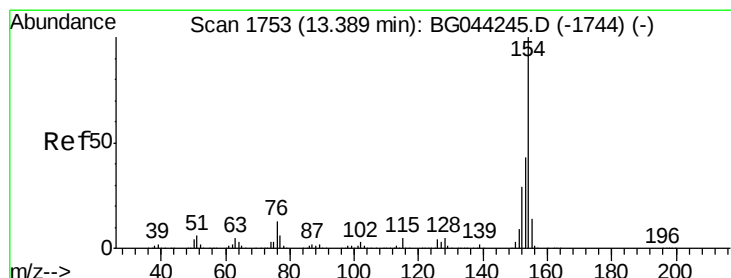
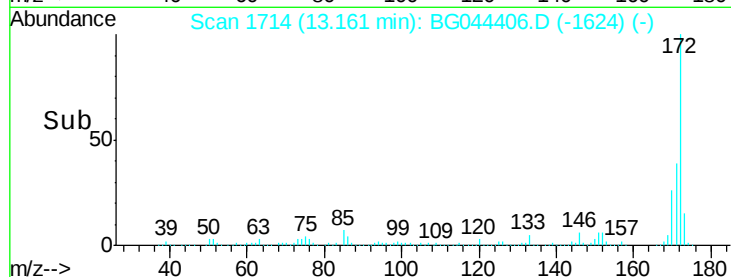
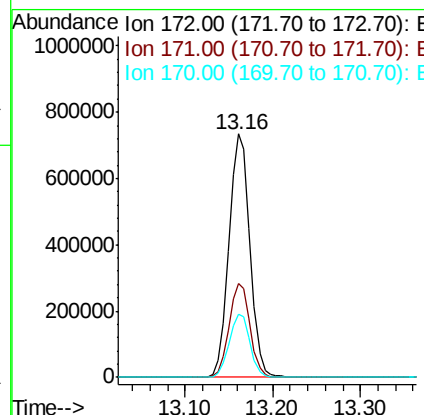
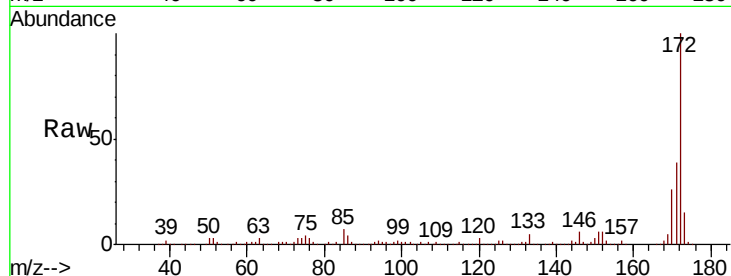


#45
 2-Fluorobiphenyl
 Concen: 100.173 ng
 RT: 13.16 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: BG044406.D
 Acq: 12 Feb 2020 13:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1210853

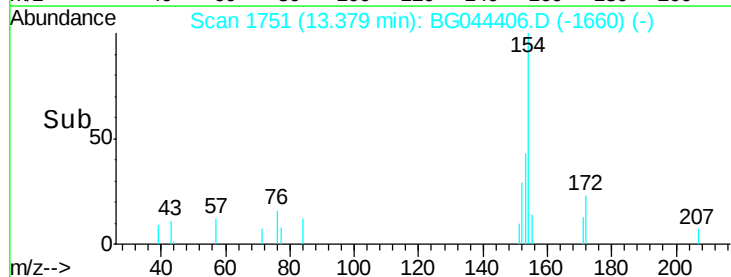
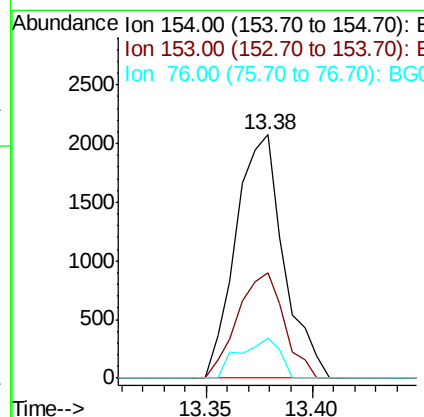
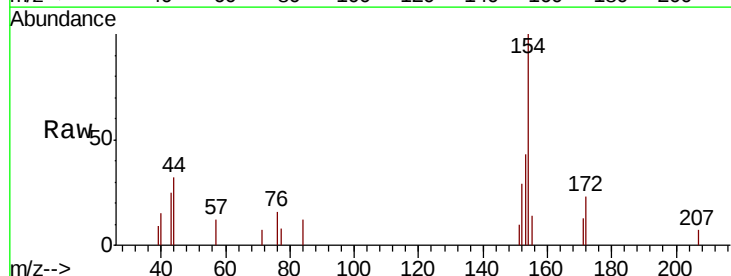
Ion	Ratio	Lower	Upper
172	100		
171	38.5	32.9	49.3
170	25.7	22.0	33.0

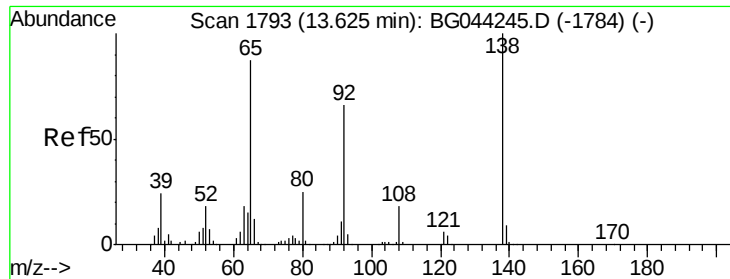


#46
 1,1'-Biphenyl
 Concen: 0.223 ng
 RT: 13.38 min Scan# 1751
 Delta R.T. 0.00 min
 Lab File: BG044406.D
 Acq: 12 Feb 2020 13:06

Tgt Ion:154 Resp: 3257

Ion	Ratio	Lower	Upper
154	100		
153	43.3	22.7	62.7
76	16.4	0.0	32.9

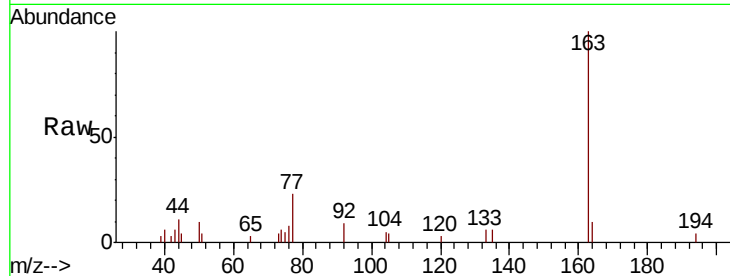




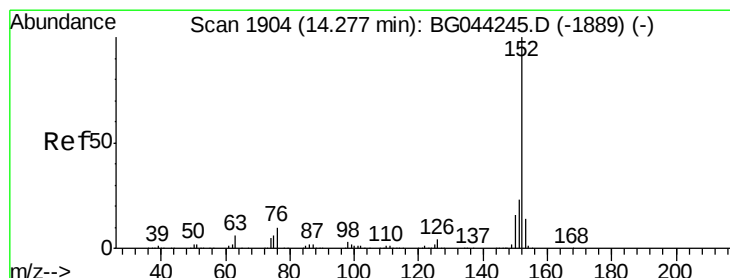
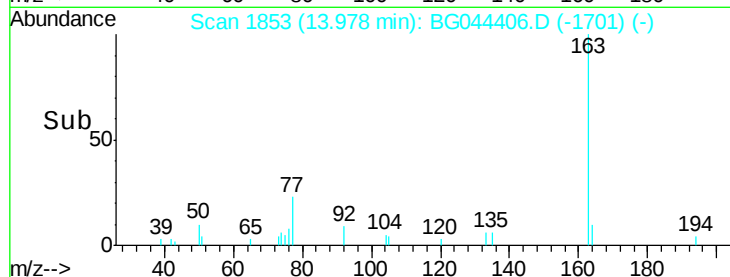
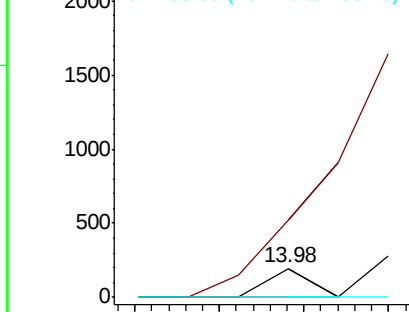
#48
2-Nitroaniline
Concen: 0.020 ng
RT: 13.98 min Scan# 1853
Delta R.T. 0.36 min
Lab File: BG044406.D
Acq: 12 Feb 2020 13:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 65 Resp: 69
Ion Ratio Lower Upper
65 100
92 267.9 60.3 90.5#
138 0.0 91.9 137.9#

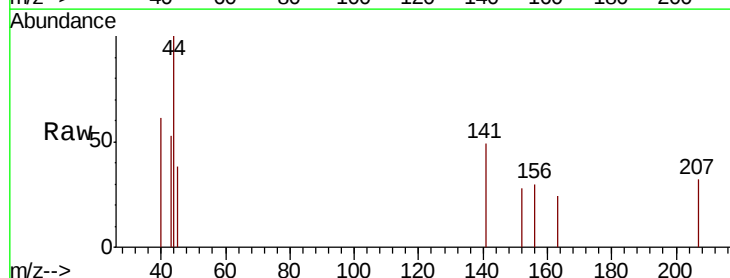


Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC

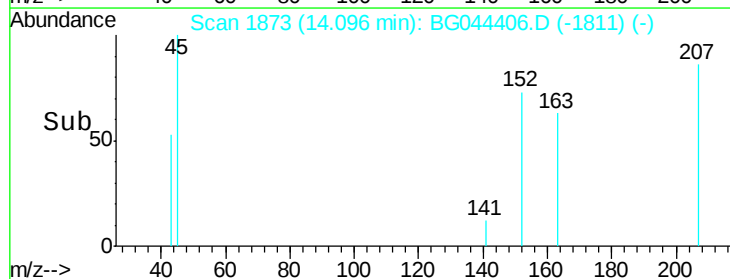
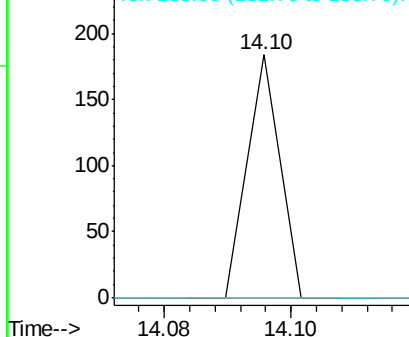


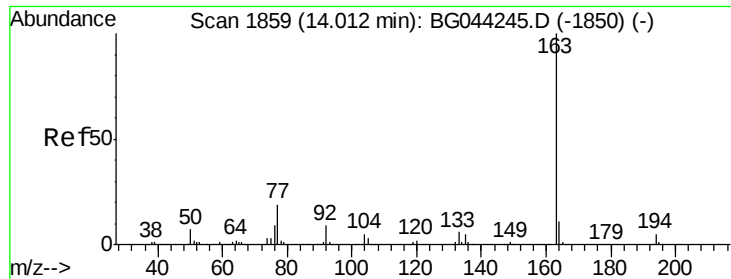
#49
Acenaphthylene
Concen: 0.004 ng
RT: 14.10 min Scan# 1873
Delta R.T. -0.17 min
Lab File: BG044406.D
Acq: 12 Feb 2020 13:06

Tgt Ion: 152 Resp: 65
Ion Ratio Lower Upper
152 100
151 0.0 18.1 27.1#
153 0.0 11.5 17.3#



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





#50

Dimethylphthalate

Concen: 2.805 ng

RT: 14.00 min Scan# 1856

Delta R.T. -0.00 min

Lab File: BG044406.D

Acq: 12 Feb 2020 13:06

Instrument :

BNA_G

ClientSampleId :

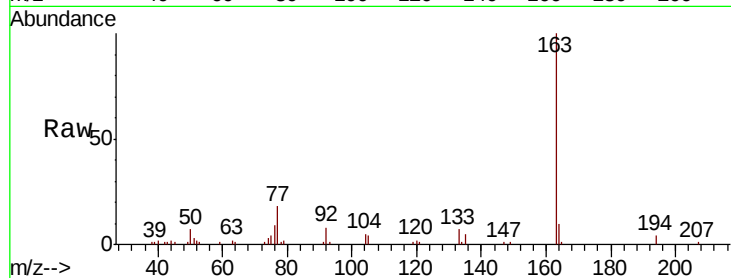
Tot Ion:163 Resp: 40820

Ion Ratio Lower Upper

163 100

194 4.4 3.6 5.4

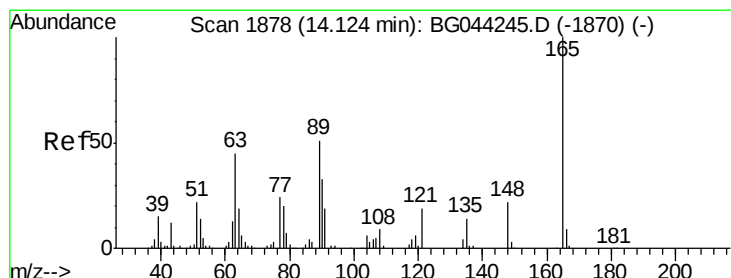
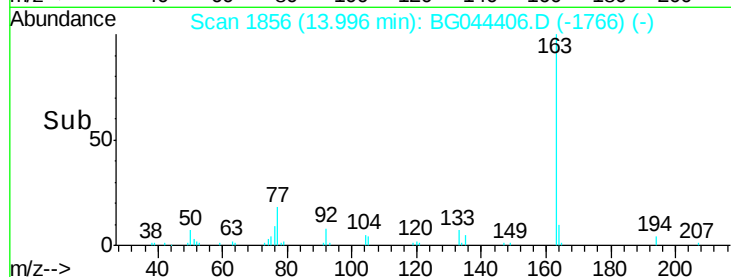
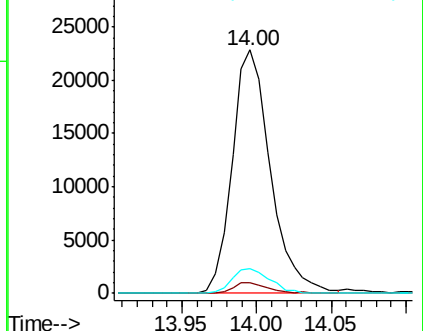
164 10.1 8.7 13.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 8.149 ng

RT: 14.54 min Scan# 1949

Delta R.T. 0.43 min

Lab File: BG044406.D

Acq: 12 Feb 2020 13:06

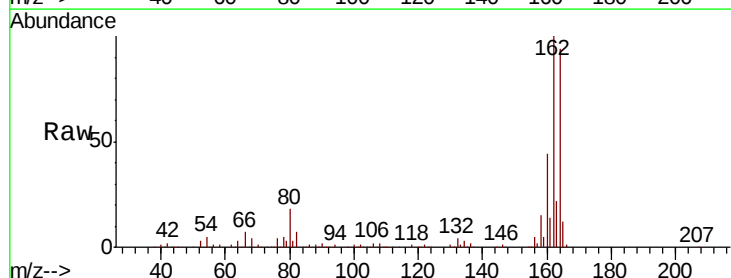
Tgt Ion:165 Resp: 26438

Ion Ratio Lower Upper

165 100

63 1.3 38.7 58.1#

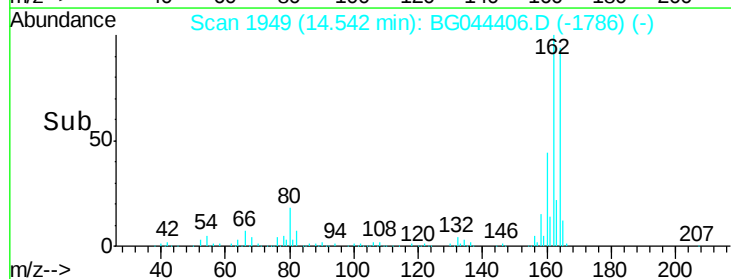
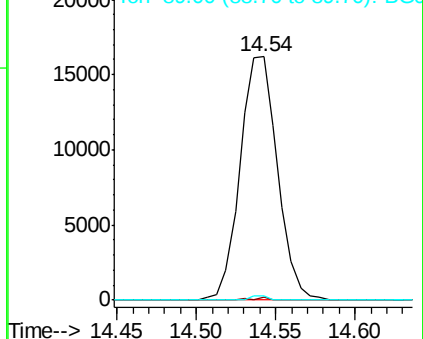
89 1.6 40.4 60.6#

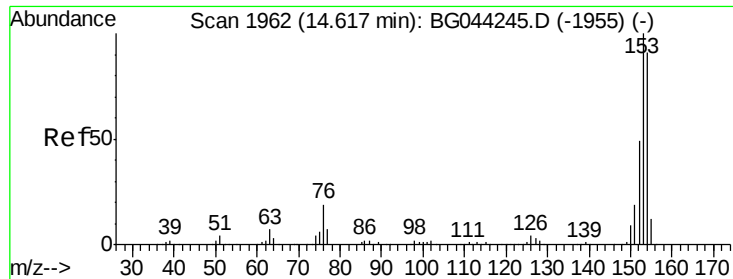


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0





#52

Acenaphthene

Concen: 0.143 ng

RT: 14.60 min Scan# 1959

Delta R.T. -0.01 min

Lab File: BG044406.D

Acq: 12 Feb 2020 13:06

Instrument :

BNA_G

ClientSampleId :

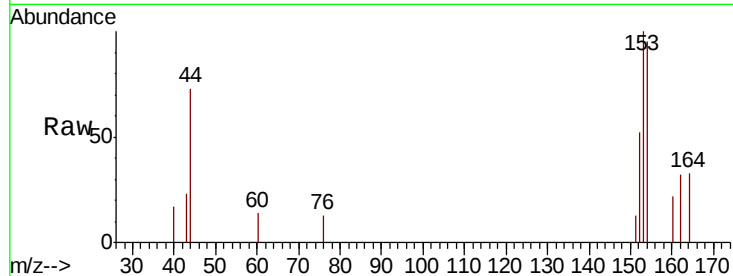
Tot Ion:154 Resp: 1579

Ion Ratio Lower Upper

154 100

153 104.9 87.9 131.9

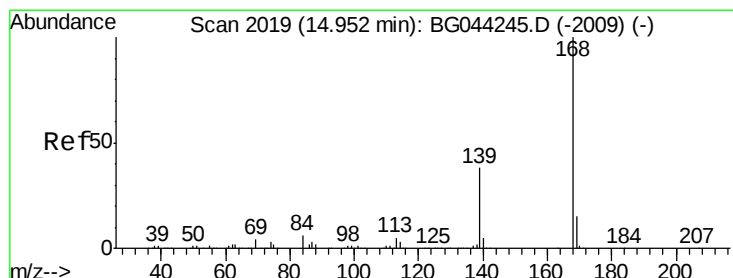
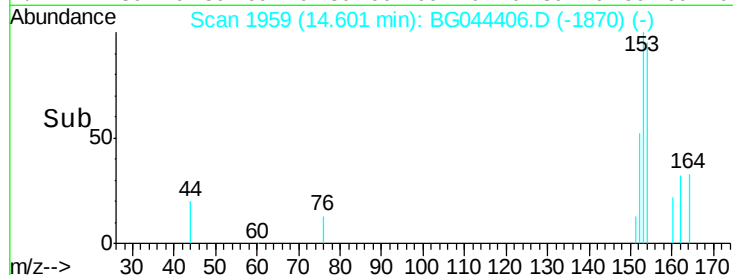
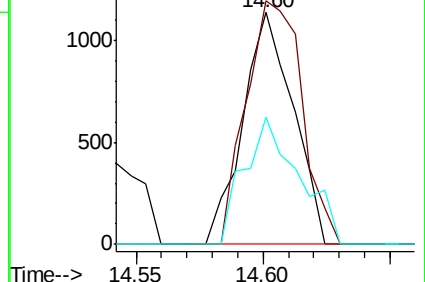
152 54.7 43.1 64.7



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



#55

Dibenzofuran

Concen: 0.036 ng

RT: 14.95 min Scan# 2019

Delta R.T. 0.01 min

Lab File: BG044406.D

Acq: 12 Feb 2020 13:06

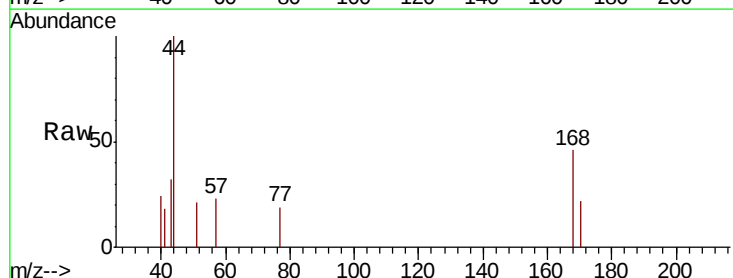
Tgt Ion:168 Resp: 610

Ion Ratio Lower Upper

168 100

139 0.0 30.5 45.7#

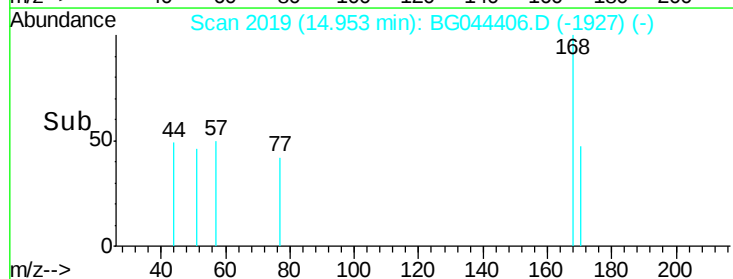
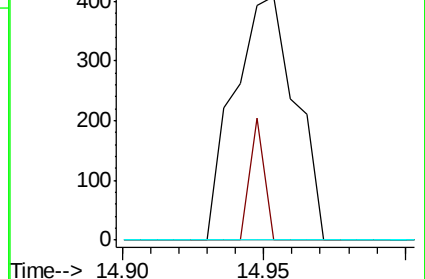
169 0.0 11.7 17.5#

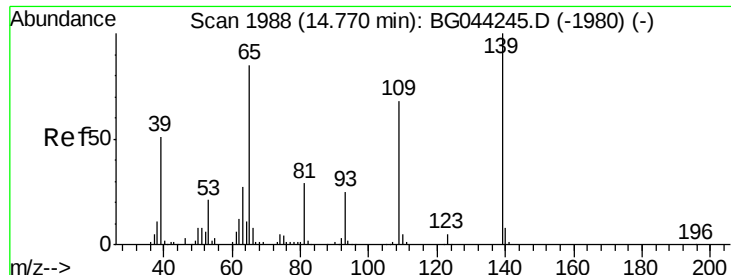


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

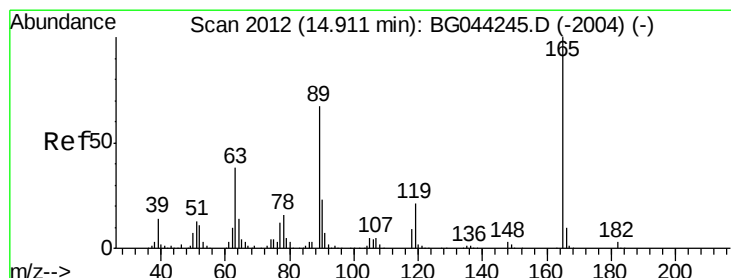
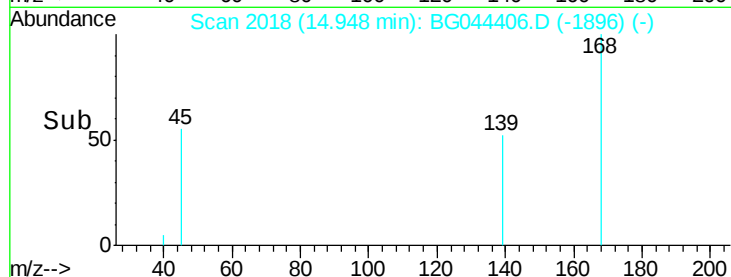
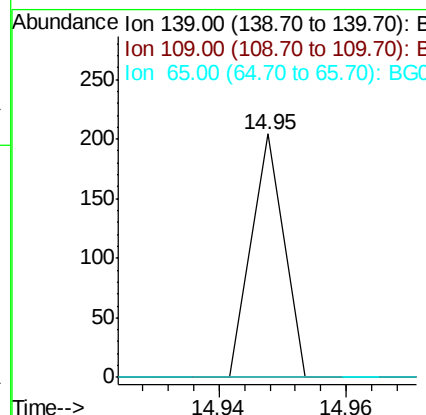
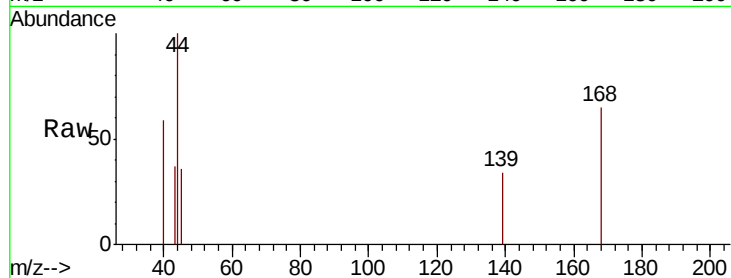




#56
4-Nitrophenol
Concen: 0.027 ng
RT: 14.95 min Scan# 2018
Delta R.T. 0.19 min
Lab File: BG044406.D
Acq: 12 Feb 2020 13:06

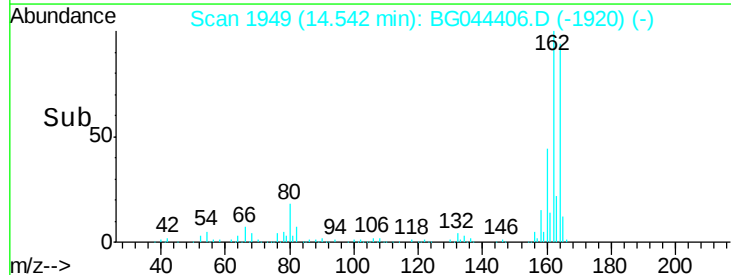
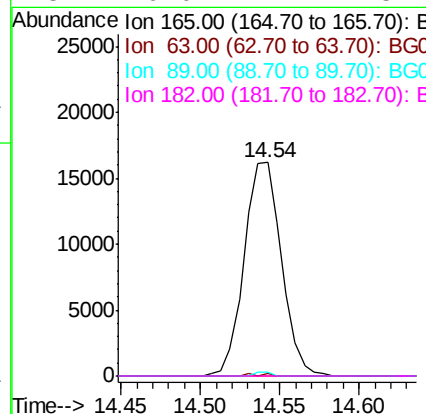
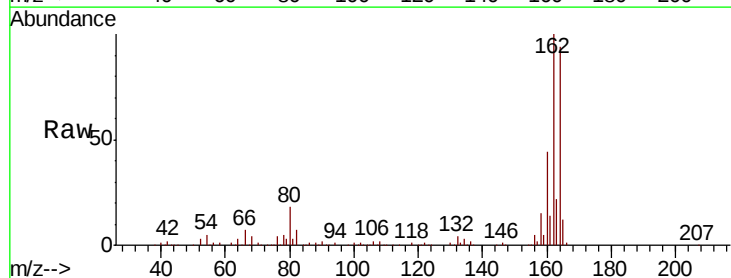
Instrument :
BNA_G
ClientSampleId :

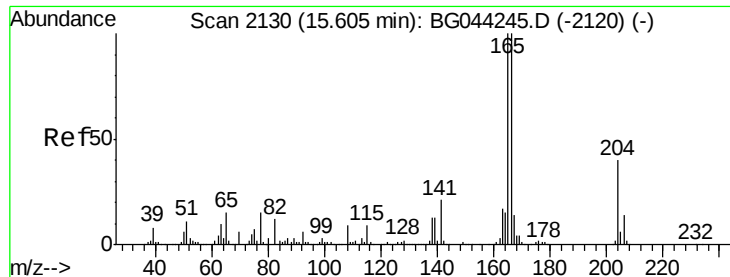
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	47.5	87.5#
65	0.0	64.9	104.9#



#57
2,4-Dinitrotoluene
Concen: 5.814 ng
RT: 14.54 min Scan# 1949
Delta R.T. -0.36 min
Lab File: BG044406.D
Acq: 12 Feb 2020 13:06

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	30.3	45.5#
89	1.6	53.4	80.2#
182	0.0	2.1	3.1#





#58

Fluorene

Concen: 0.098 ng

RT: 15.59 min Scan# 2128

Delta R.T. 0.00 min

Lab File: BG044406.D

Acq: 12 Feb 2020 13:06

Instrument :

BNA_G

ClientSampleId :

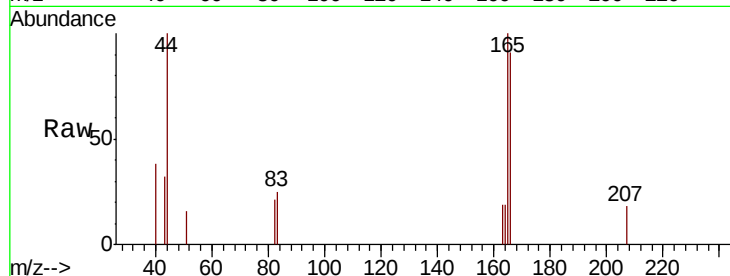
Tot Ion:166 Resp: 1289

Ion Ratio Lower Upper

166 100

165 109.2 79.9 119.9

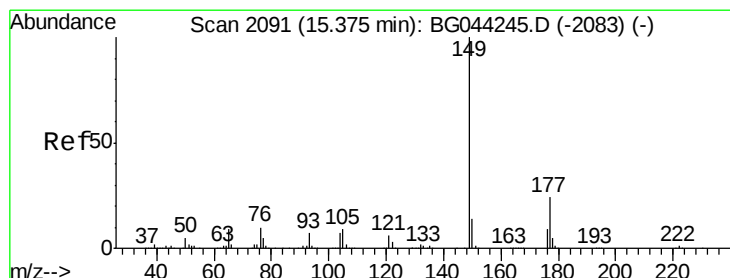
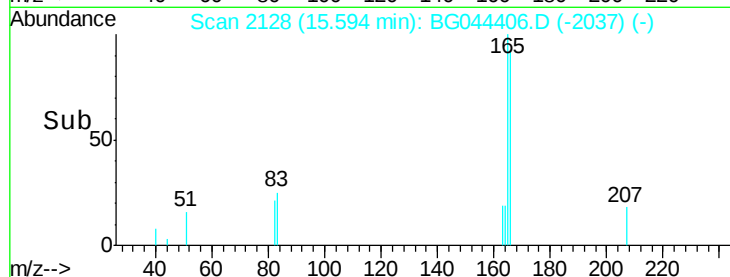
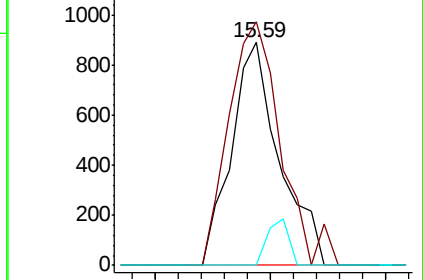
167 0.0 11.4 17.0#



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: 0.075 ng

RT: 15.36 min Scan# 2088

Delta R.T. -0.01 min

Lab File: BG044406.D

Acq: 12 Feb 2020 13:06

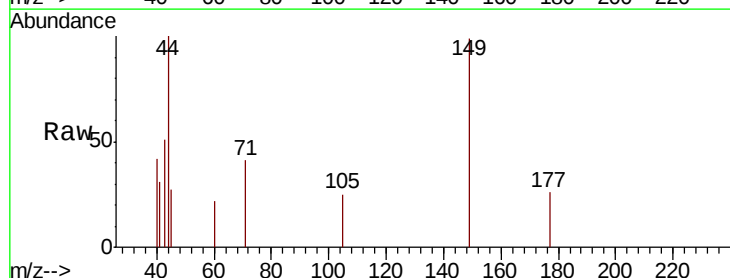
Tgt Ion:149 Resp: 1088

Ion Ratio Lower Upper

149 100

177 26.3 19.4 29.0

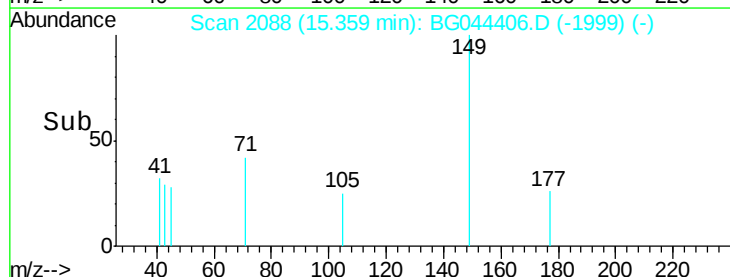
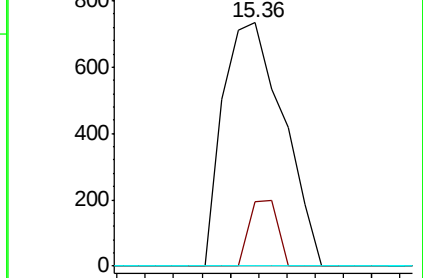
150 0.0 10.9 16.3#

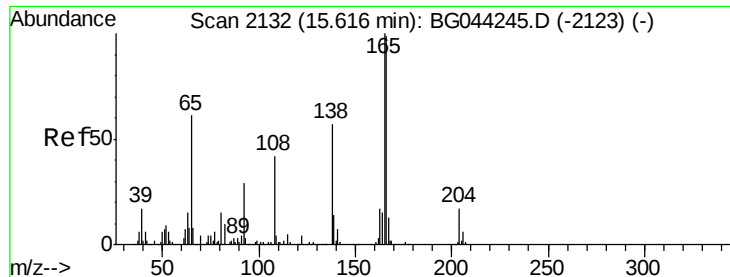


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

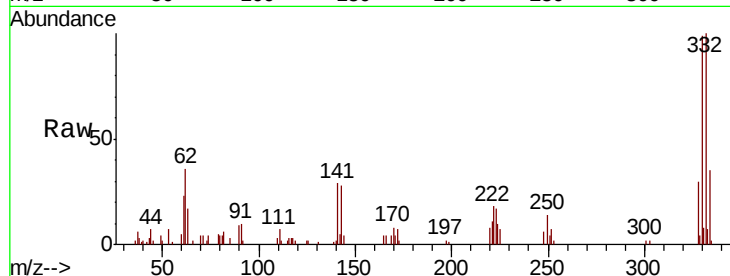




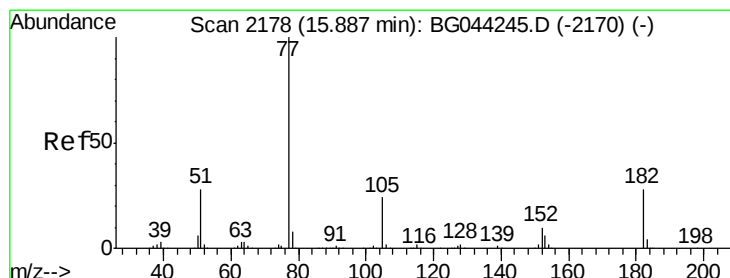
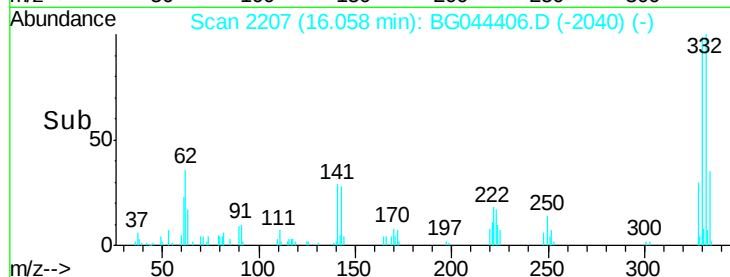
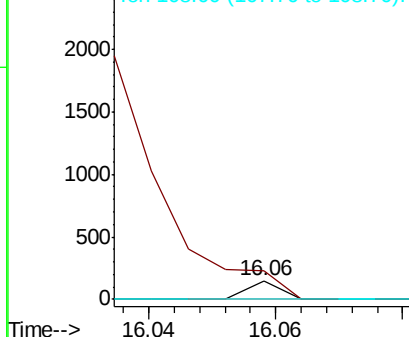
#62
4-Nitroaniline
Concen: 0.015 ng
RT: 16.06 min Scan# 2207
Delta R.T. 0.45 min
Lab File: BG044406.D
Acq: 12 Feb 2020 13:06

Instrument :
BNA_G
ClientSampled :

Tot Ion: 138 Resp: 53
Ion Ratio Lower Upper
138 100
92 155.0 31.3 71.3#
108 0.0 52.6 92.6#

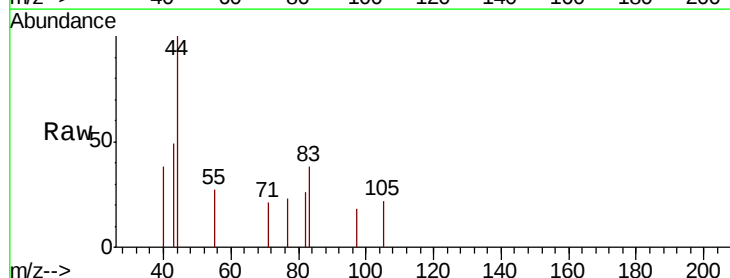


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BGC
Ion 108.00 (107.70 to 108.70): E

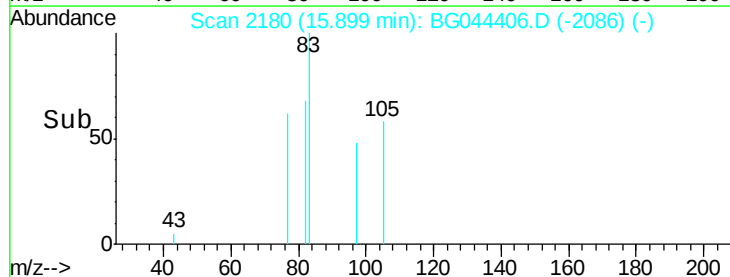
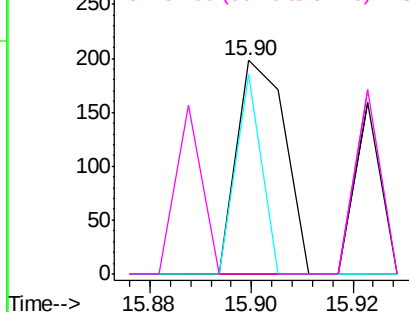


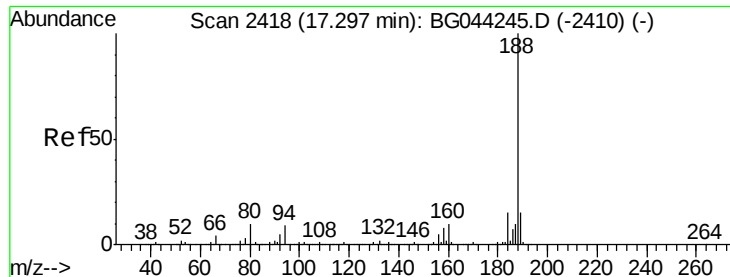
#63
Azobenzene
Concen: 0.010 ng
RT: 15.90 min Scan# 2180
Delta R.T. 0.02 min
Lab File: BG044406.D
Acq: 12 Feb 2020 13:06

Tgt Ion: 77 Resp: 130
Ion Ratio Lower Upper
77 100
182 0.0 8.2 48.2#
105 93.4 3.6 43.6#
51 0.0 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

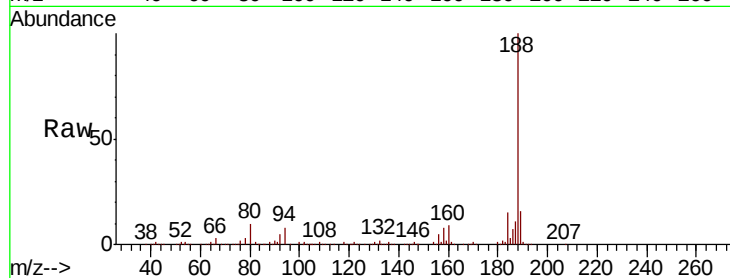




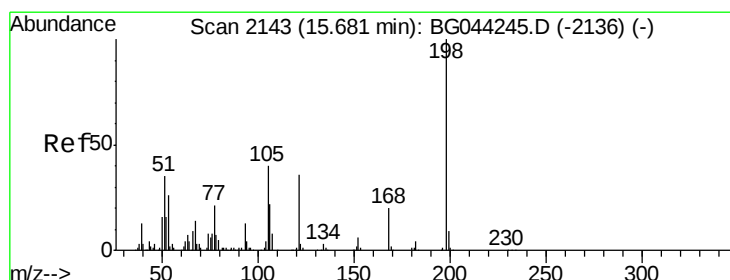
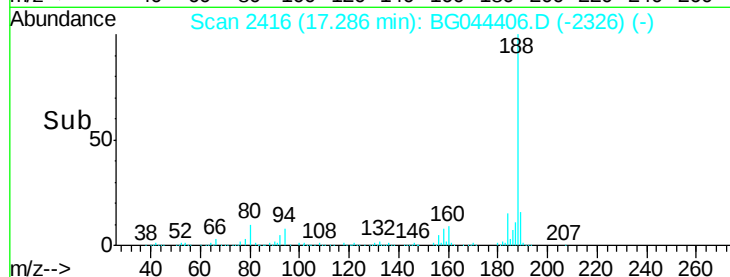
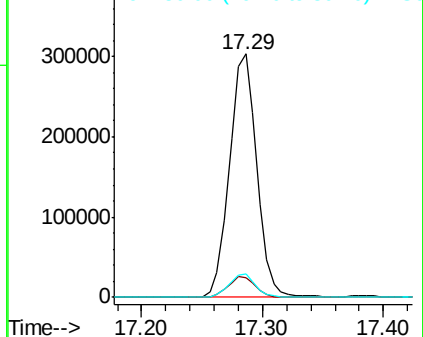
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.29 min Scan# 2416
 Delta R.T. -0.00 min
 Lab File: BG044406.D
 Acq: 12 Feb 2020 13:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:188 Resp: 477936
 Ion Ratio Lower Upper
 188 100
 94 8.3 7.4 11.2
 80 9.5 7.7 11.5

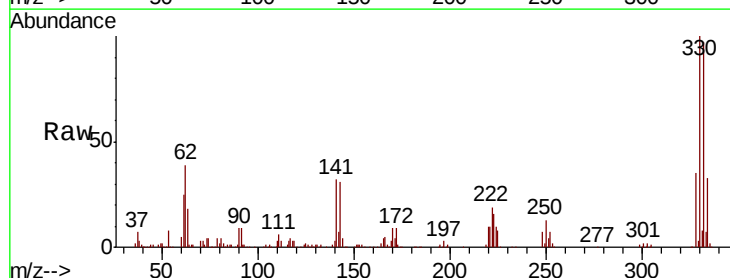


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BG
 Ion 80.00 (79.70 to 80.70): BG

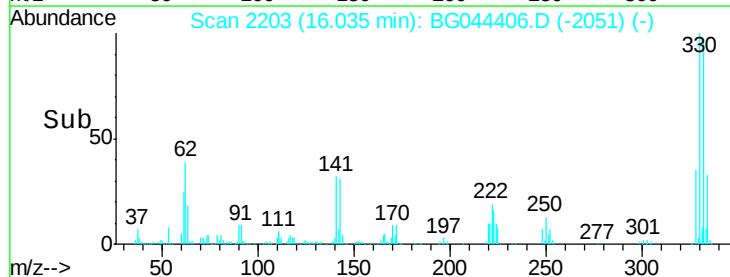
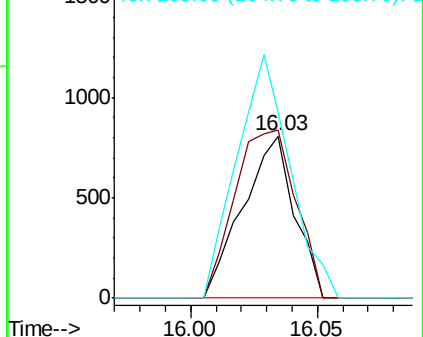


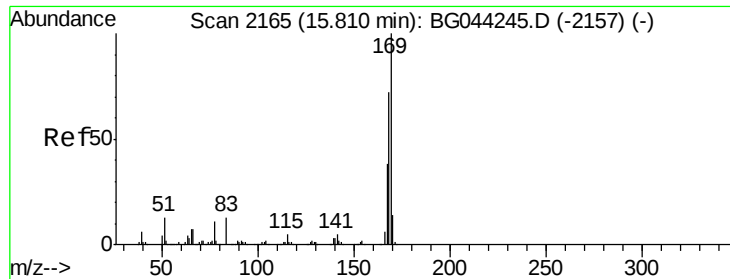
#65
 4,6-Dinitro-2-methylphenol
 Concen: 0.437 ng
 RT: 16.03 min Scan# 2203
 Delta R.T. 0.36 min
 Lab File: BG044406.D
 Acq: 12 Feb 2020 13:06

Tgt Ion:198 Resp: 1153
 Ion Ratio Lower Upper
 198 100
 51 104.0 16.6 56.6#
 105 115.0 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

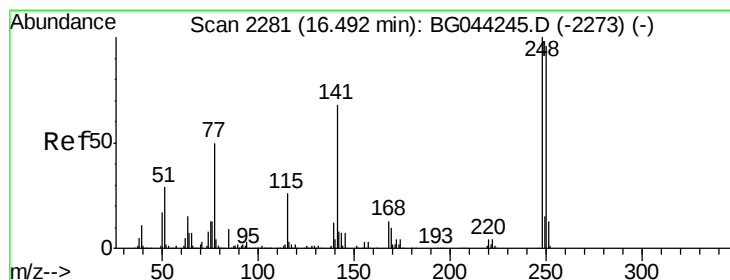
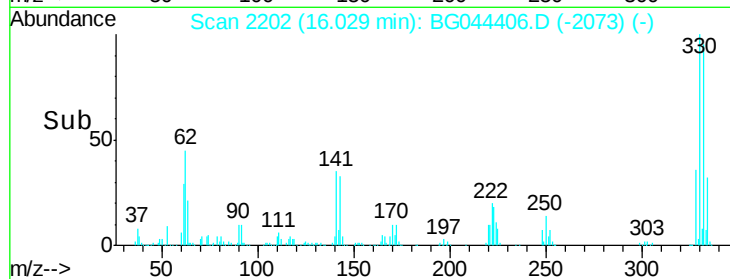
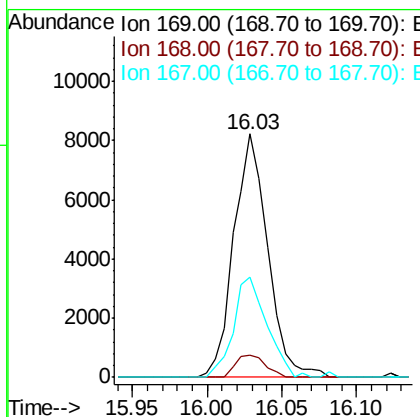
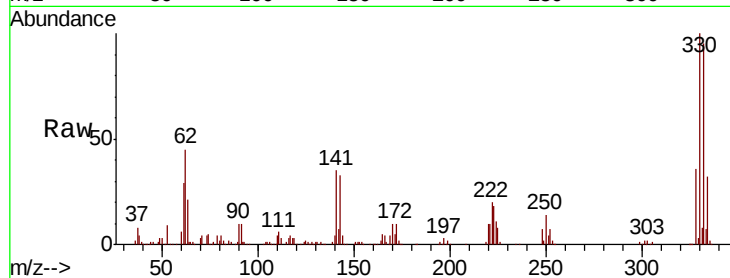




#66
 n-Nitrosodiphenylamine
 Concen: 0.972 ng
 RT: 16.03 min Scan# 2202
 Delta R.T. 0.23 min
 Lab File: BG044406.D
 Acq: 12 Feb 2020 13:06

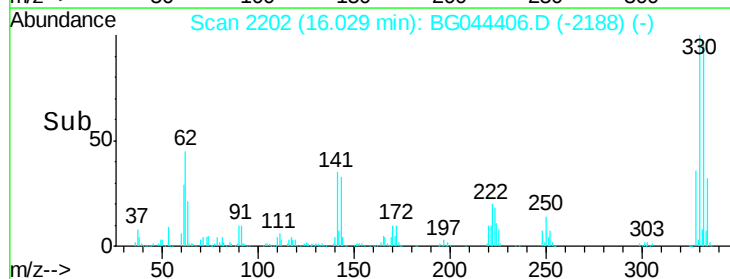
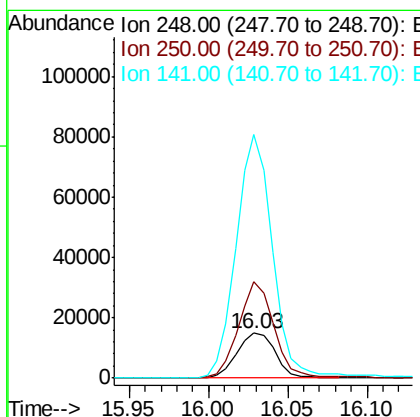
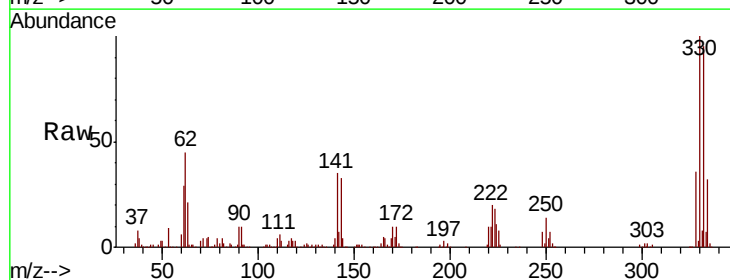
Instrument :
 BNA_G
 ClientSampled :

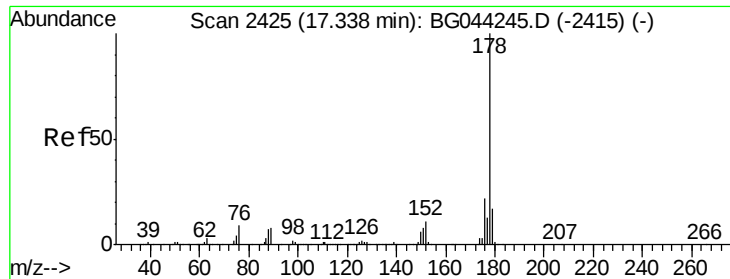
Tot Ion:169 Resp: 13022
 Ion Ratio Lower Upper
 169 100
 168 8.9 57.9 86.9#
 167 41.3 30.7 46.1



#67
 4-Bromophenyl-phenylether
 Concen: 4.806 ng
 RT: 16.03 min Scan# 2202
 Delta R.T. -0.45 min
 Lab File: BG044406.D
 Acq: 12 Feb 2020 13:06

Tgt Ion:248 Resp: 25027
 Ion Ratio Lower Upper
 248 100
 250 214.1 76.6 114.8#
 141 538.9 54.7 82.1#

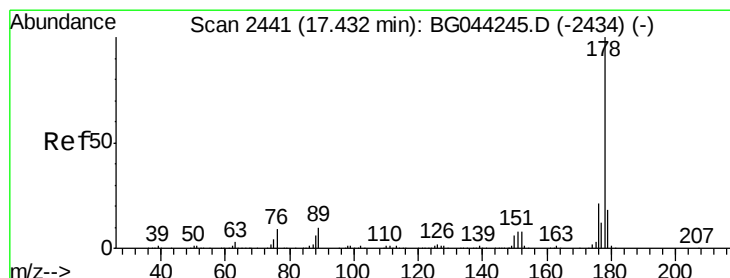
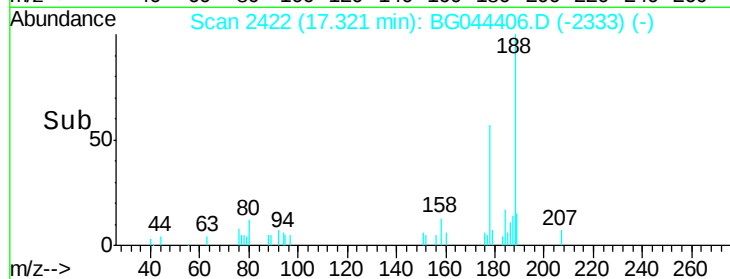
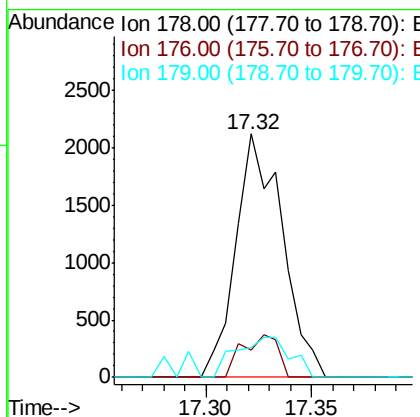
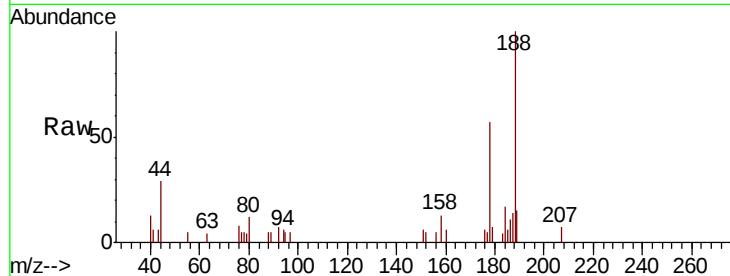




#71
 Phenanthrene
 Concen: 0.139 ng
 RT: 17.32 min Scan# 2422
 Delta R.T. -0.01 min
 Lab File: BG044406.D
 Acq: 12 Feb 2020 13:06

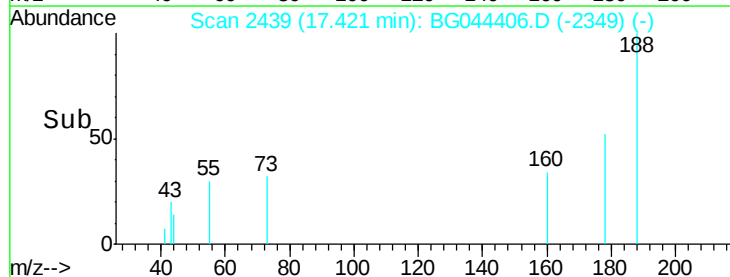
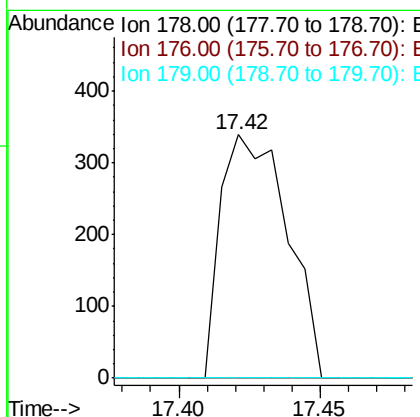
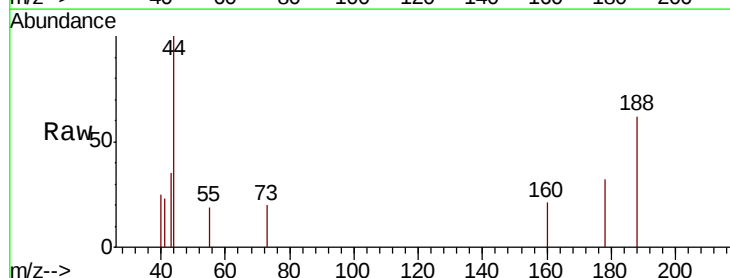
Instrument :
 BNA_G
 ClientSampleId :

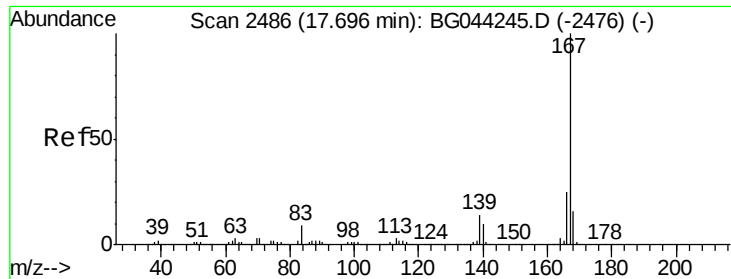
Tot Ion:178 Resp: 3226
 Ion Ratio Lower Upper
 178 100
 176 11.1 17.7 26.5#
 179 12.1 13.7 20.5#



#72
 Anthracene
 Concen: 0.024 ng
 RT: 17.42 min Scan# 2439
 Delta R.T. -0.00 min
 Lab File: BG044406.D
 Acq: 12 Feb 2020 13:06

Tgt Ion:178 Resp: 554
 Ion Ratio Lower Upper
 178 100
 176 0.0 17.0 25.4#
 179 0.0 14.4 21.6#

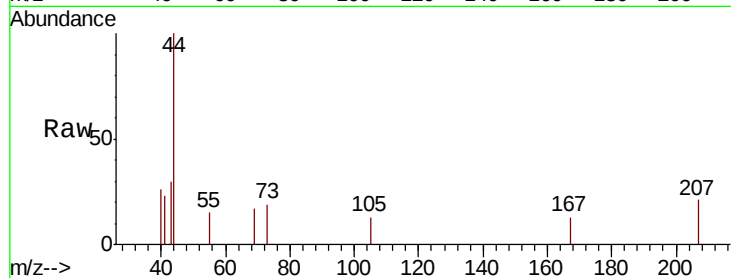




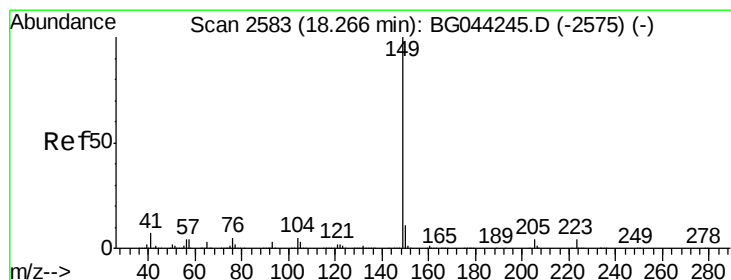
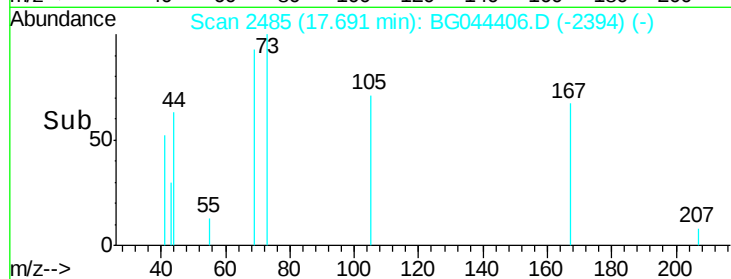
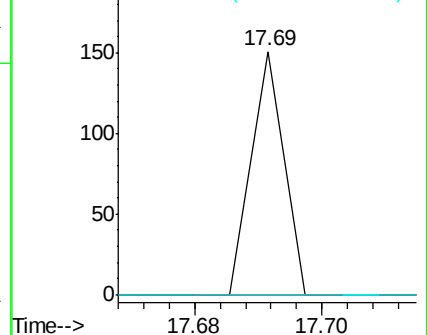
#73
 Carbazole
 Concen: 0.003 ng
 RT: 17.69 min Scan# 2485
 Delta R.T. 0.00 min
 Lab File: BG044406.D
 Acq: 12 Feb 2020 13:06

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
167	100		
166	0.0	19.8	29.6#
139	0.0	11.1	16.7#

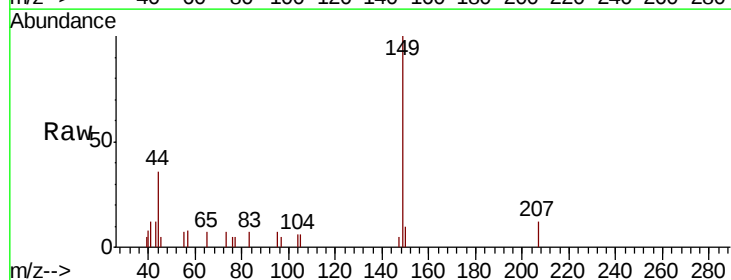


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

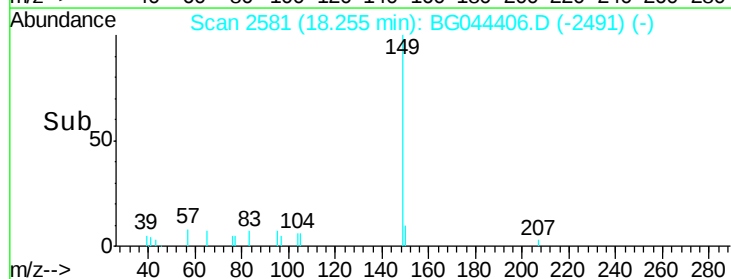
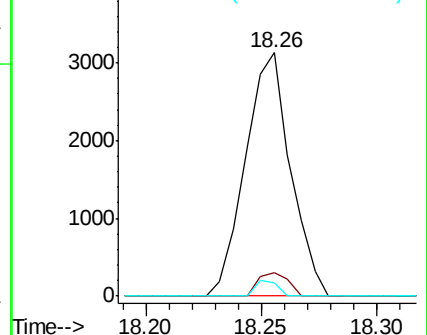


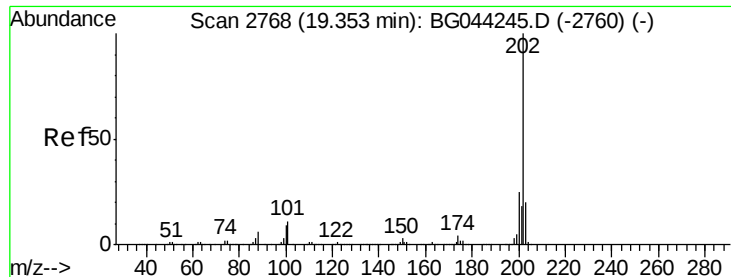
#74
 Di-n-butylphthalate
 Concen: 0.164 ng
 RT: 18.26 min Scan# 2581
 Delta R.T. -0.00 min
 Lab File: BG044406.D
 Acq: 12 Feb 2020 13:06

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.8	8.7	13.1
104	5.5	4.3	6.5



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





#75

Fluoranthene

Concen: 0.032 ng

RT: 19.34 min Scan# 2766

Delta R.T. 0.00 min

Lab File: BG044406.D

Acq: 12 Feb 2020 13:06

Instrument :

BNA_G

ClientSampleId :

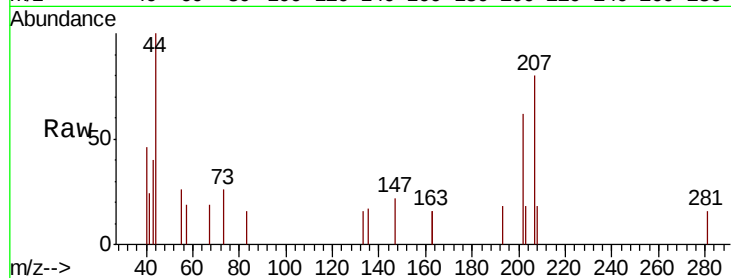
Tot Ion:202 Resp: 858

Ion Ratio Lower Upper

202 100

101 0.0 0.0 31.3

203 28.3 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

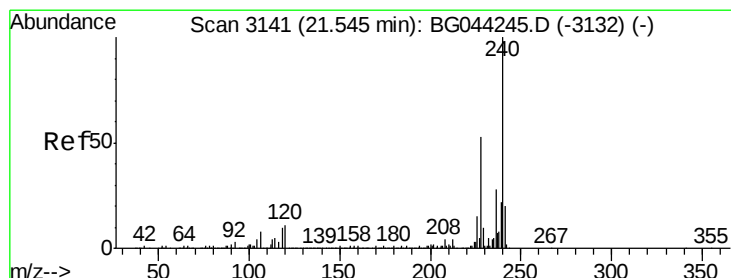
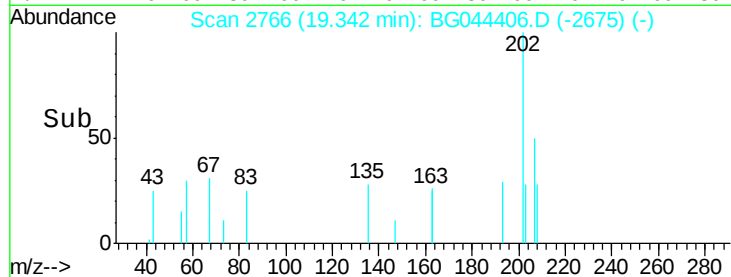
600

400

200

0

Time--> 19.30 19.35



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.53 min Scan# 3138

Delta R.T. -0.01 min

Lab File: BG044406.D

Acq: 12 Feb 2020 13:06

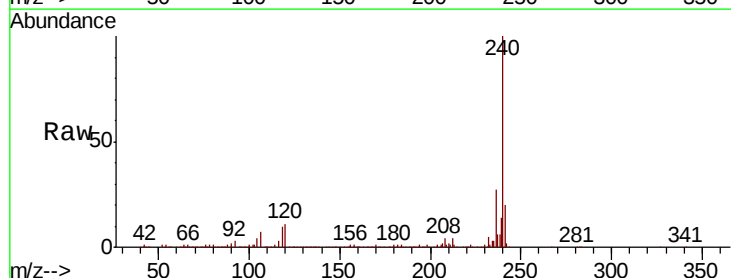
Tgt Ion:240 Resp: 464147

Ion Ratio Lower Upper

240 100

120 10.9 8.4 12.6

236 26.9 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

21.53

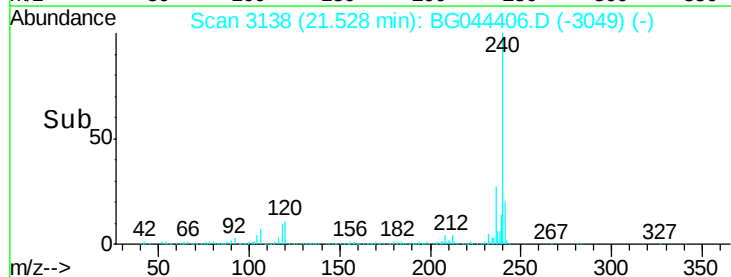
300000

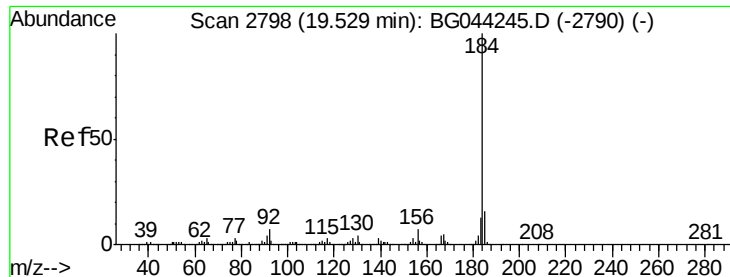
200000

100000

0

Time--> 21.40 21.50 21.60 21.70





#77

Benzidine

Concen: 2.598 ng

RT: 19.90 min Scan# 2861

Delta R.T. 0.38 min

Lab File: BG044406.D

Acq: 12 Feb 2020 13:06

Instrument :

BNA_G

ClientSampleId :

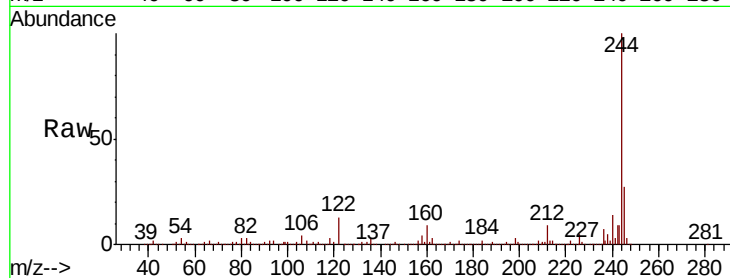
Tot Ion:184 Resp: 33448

Ion Ratio Lower Upper

184 100

185 16.9 12.9 19.3

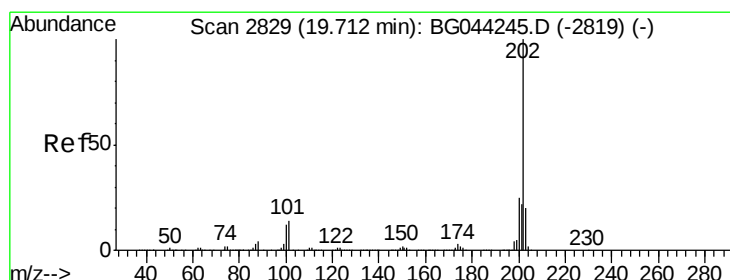
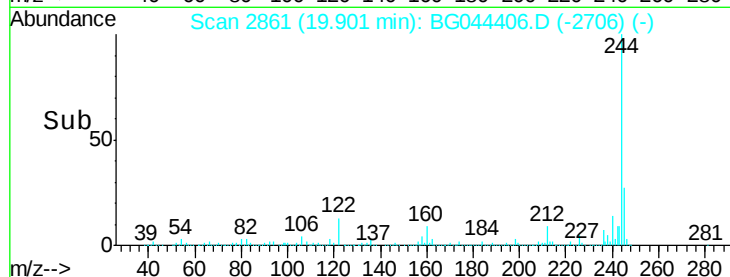
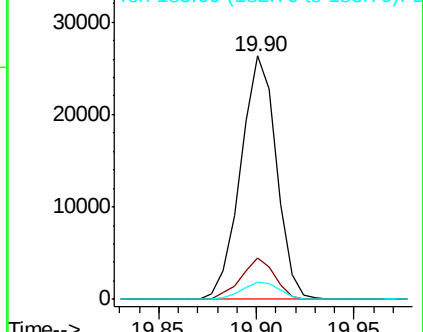
183 7.1 10.8 16.2#



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: 0.030 ng

RT: 19.69 min Scan# 2826

Delta R.T. -0.01 min

Lab File: BG044406.D

Acq: 12 Feb 2020 13:06

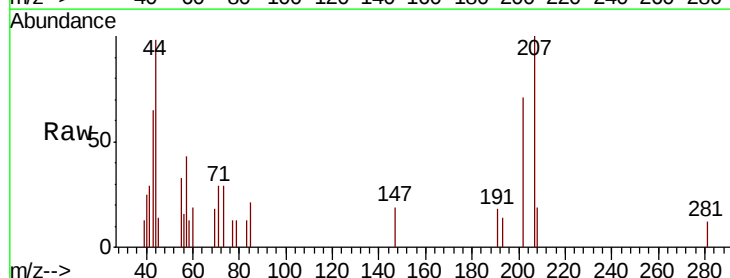
Tgt Ion:202 Resp: 898

Ion Ratio Lower Upper

202 100

200 0.0 20.0 30.0#

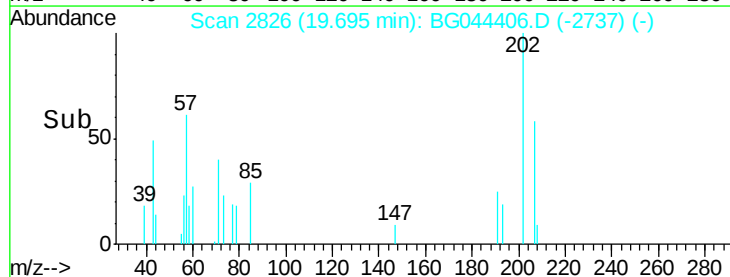
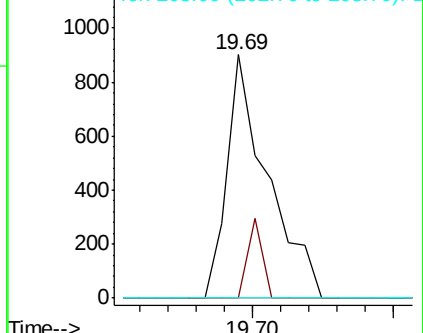
203 0.0 16.2 24.2#

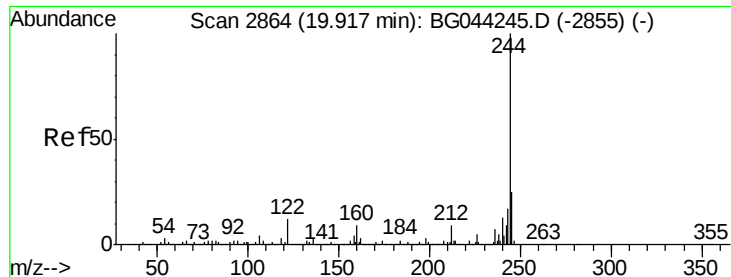


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 88.951 ng

RT: 19.90 min Scan# 2861

Delta R.T. -0.00 min

Lab File: BG044406.D

Acq: 12 Feb 2020 13:06

Instrument :

BNA_G

ClientSampleId :

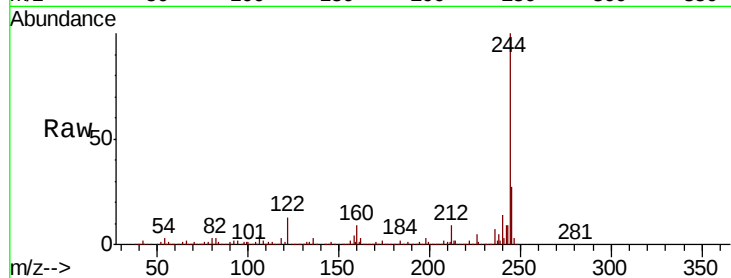
Tot Ion:244 Resp: 2007245

Ion Ratio Lower Upper

244 100

212 9.5 7.4 11.2

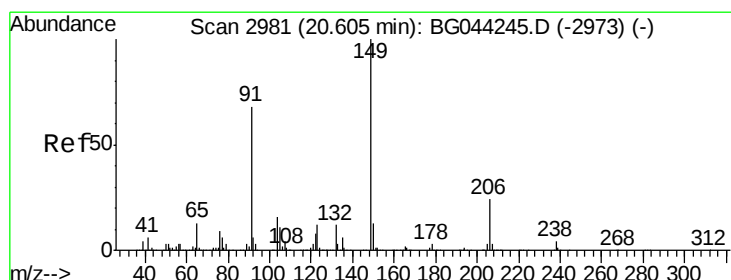
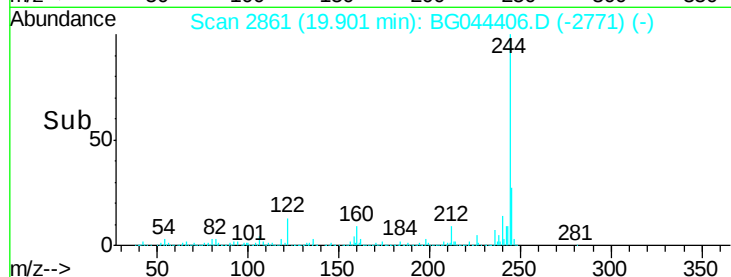
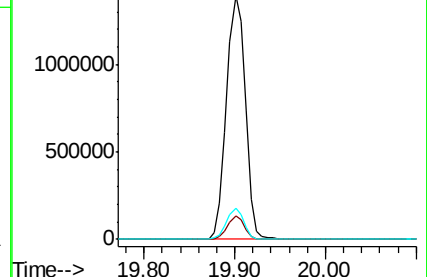
122 12.7 9.8 14.6



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: 0.066 ng

RT: 20.59 min Scan# 2978

Delta R.T. -0.01 min

Lab File: BG044406.D

Acq: 12 Feb 2020 13:06

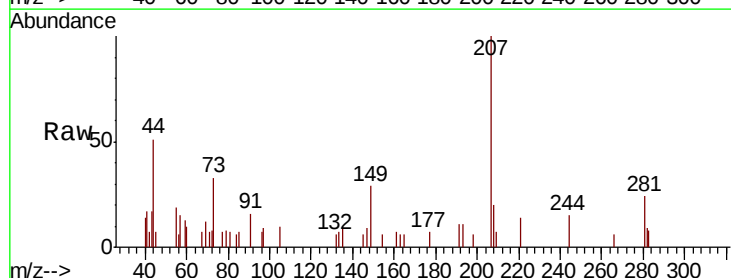
Tgt Ion:149 Resp: 890

Ion Ratio Lower Upper

149 100

91 54.9 54.5 81.7

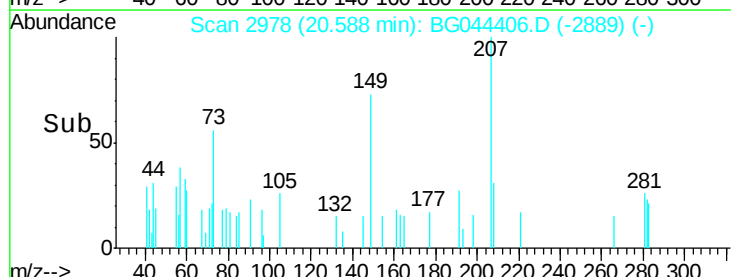
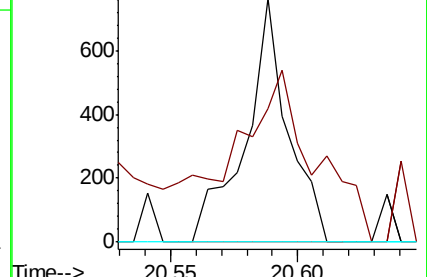
206 0.0 19.1 28.7#

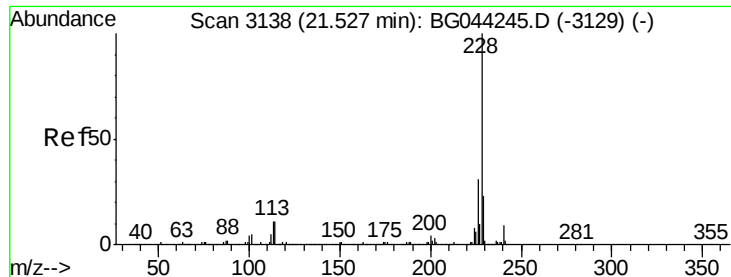


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 0.071 ng

RT: 21.53 min Scan# 3138

Delta R.T. 0.02 min

Lab File: BG044406.D

Acq: 12 Feb 2020 13:06

Instrument :

BNA_G

ClientSampleId :

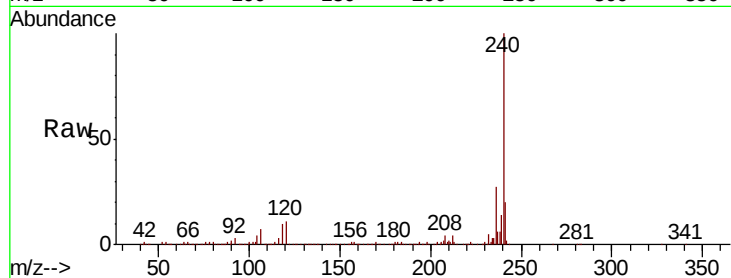
Tot Ion:228 Resp: 2023

Ion Ratio Lower Upper

228 100

226 15.0 24.7 37.1#

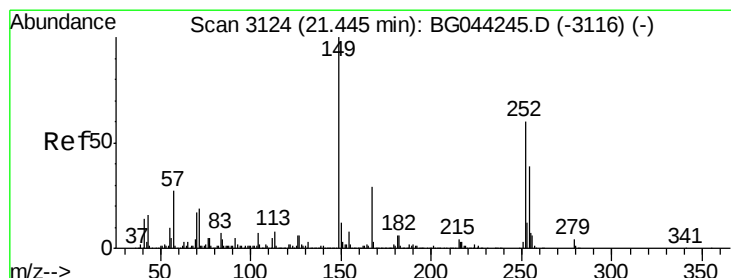
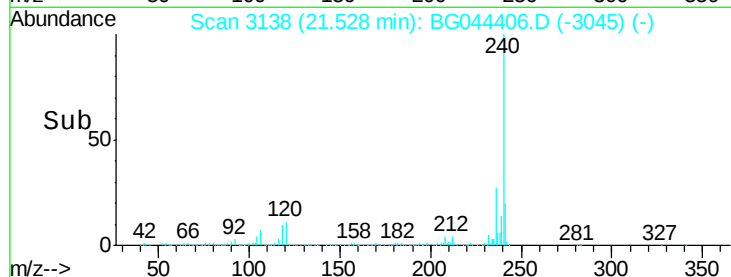
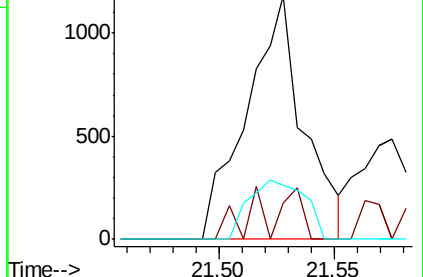
229 22.5 18.2 27.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 0.027 ng

RT: 21.45 min Scan# 3125

Delta R.T. 0.02 min

Lab File: BG044406.D

Acq: 12 Feb 2020 13:06

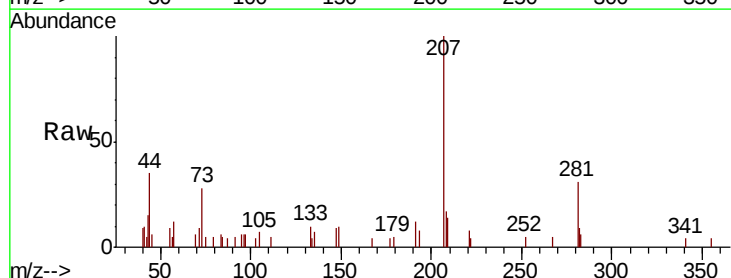
Tgt Ion:252 Resp: 305

Ion Ratio Lower Upper

252 100

254 0.0 52.6 78.8#

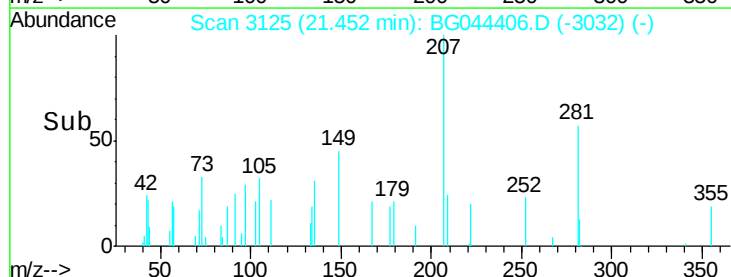
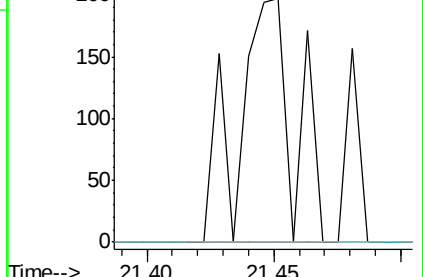
126 0.0 8.2 12.4#

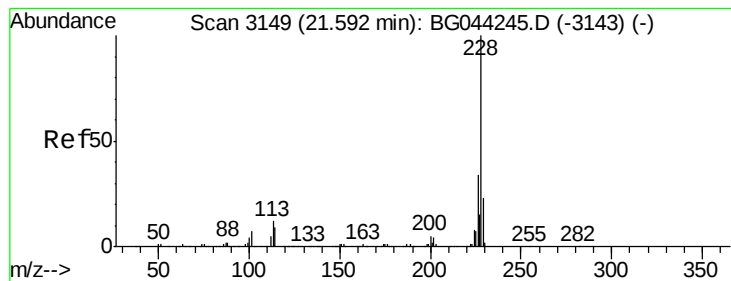


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 0.030 ng

RT: 21.58 min Scan# 3146

Delta R.T. -0.00 min

Lab File: BG044406.D

Acq: 12 Feb 2020 13:06

Instrument :

BNA_G

ClientSampleId :

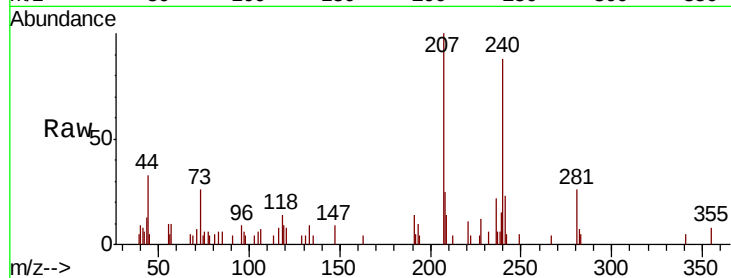
Tot Ion:228 Resp: 830

Ion Ratio Lower Upper

228 100

226 0.0 27.1 40.7#

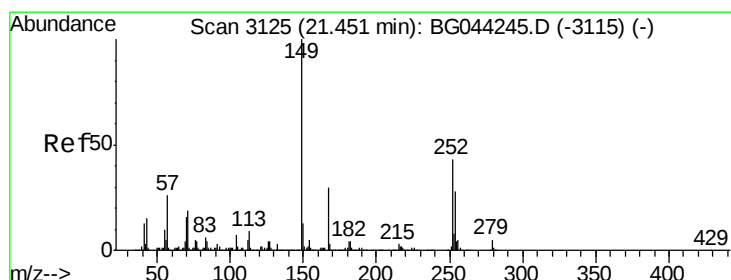
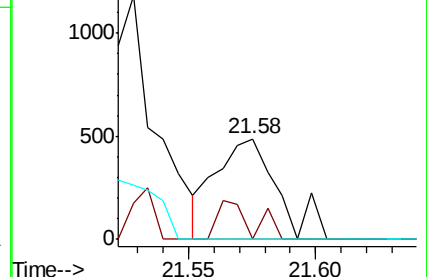
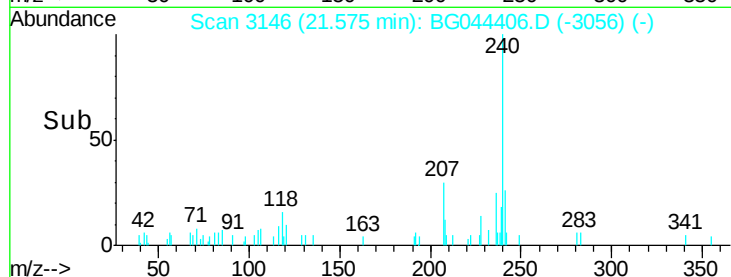
229 0.0 17.9 26.9#



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: 0.140 ng

RT: 21.43 min Scan# 3122

Delta R.T. -0.00 min

Lab File: BG044406.D

Acq: 12 Feb 2020 13:06

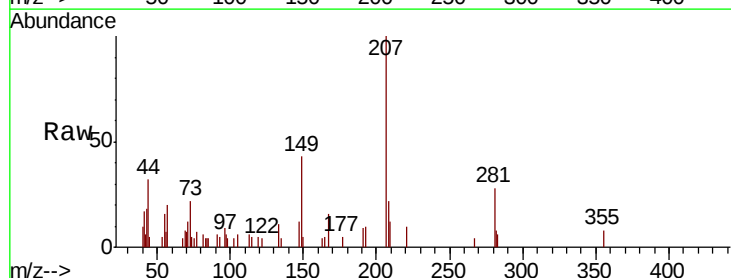
Tgt Ion:149 Resp: 2623

Ion Ratio Lower Upper

149 100

167 36.5 24.0 36.0#

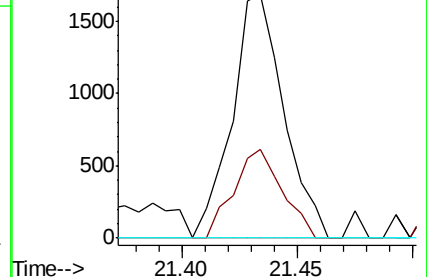
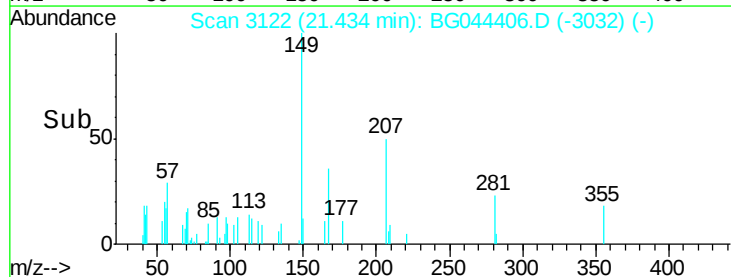
279 0.0 3.8 5.8#

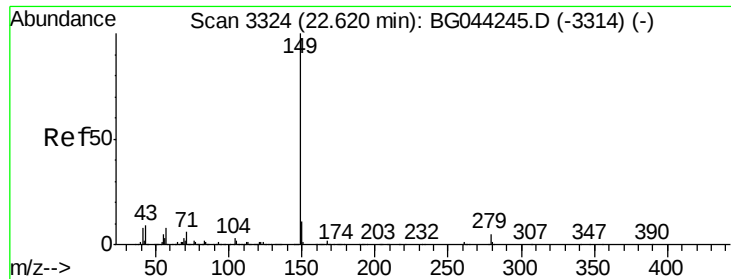


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 0.037 ng

RT: 22.59 min Scan# 3319

Delta R.T. -0.01 min

Lab File: BG044406.D

Acq: 12 Feb 2020 13:06

Instrument :

BNA_G

ClientSampleId :

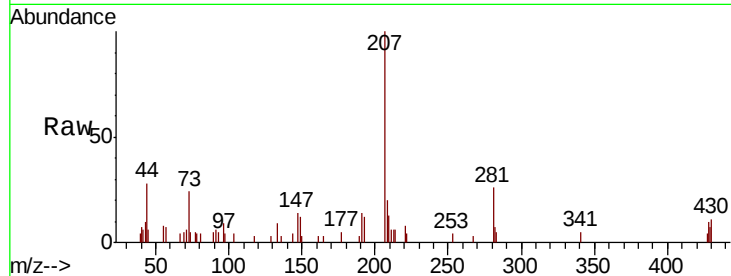
Tot Ion:149 Resp: 1194

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

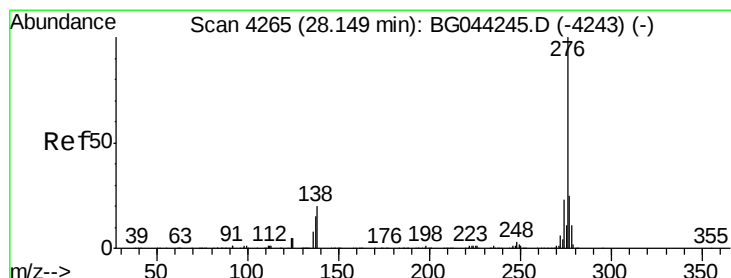
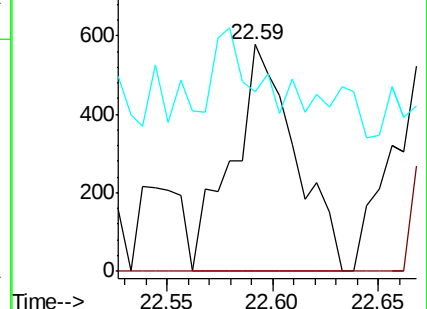
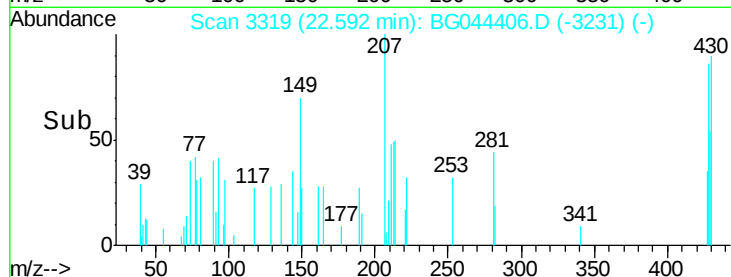
43 0.0 7.4 11.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#86

Indeno(1,2,3-cd)pyrene

Concen: 0.002 ng

RT: 28.12 min Scan# 4260

Delta R.T. 0.00 min

Lab File: BG044406.D

Acq: 12 Feb 2020 13:06

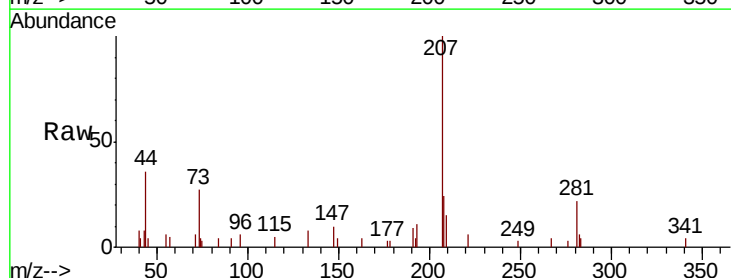
Tgt Ion:276 Resp: 55

Ion Ratio Lower Upper

276 100

138 0.0 19.4 29.0#

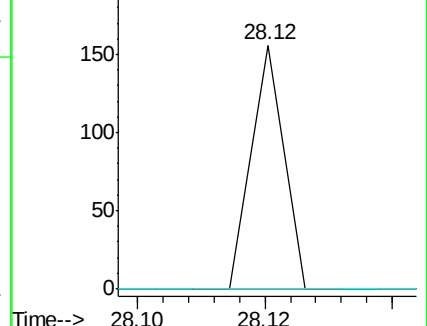
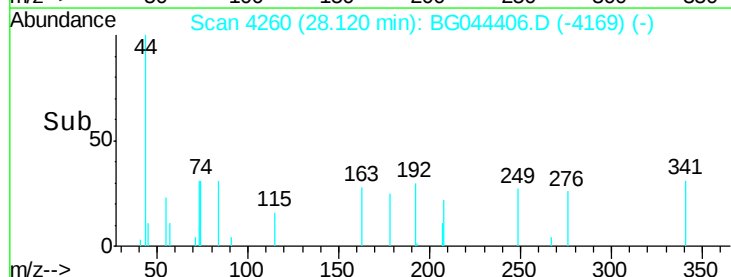
277 0.0 21.0 31.6#

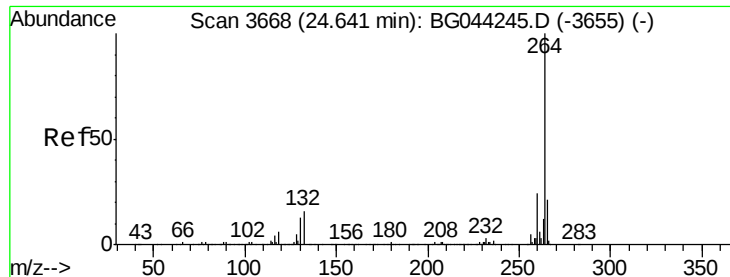


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

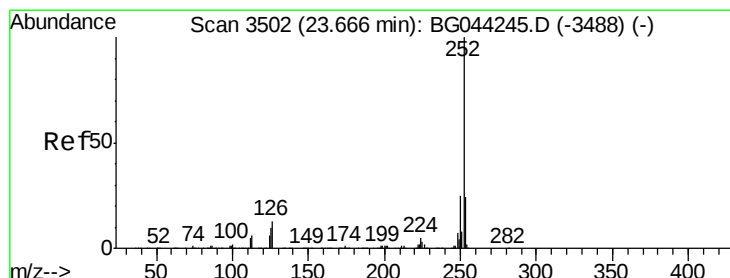
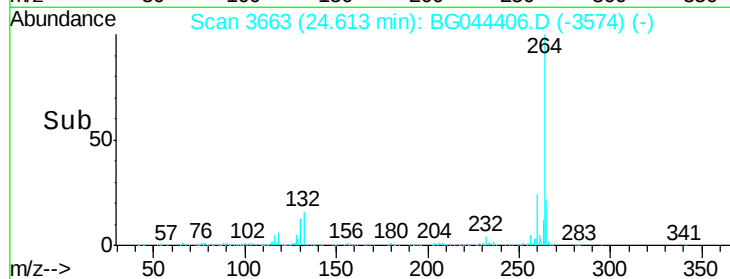
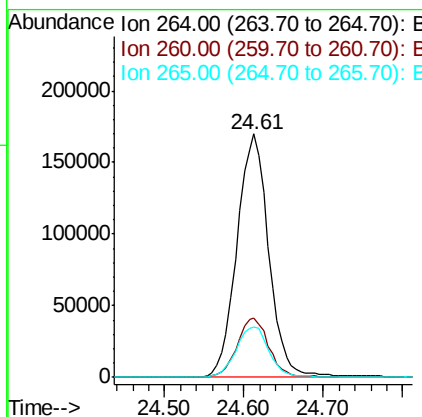
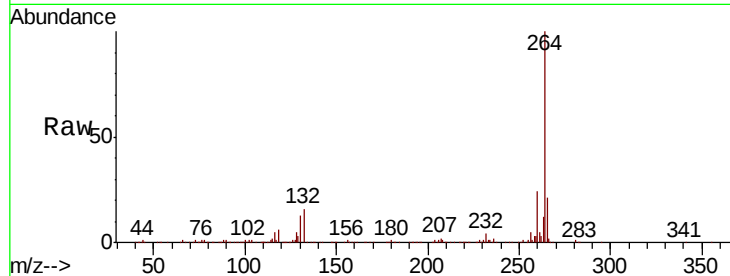




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.61 min Scan# 3663
Delta R.T. -0.01 min
Lab File: BG044406.D
Acq: 12 Feb 2020 13:06

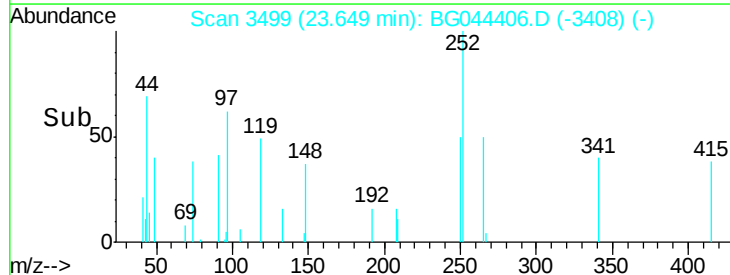
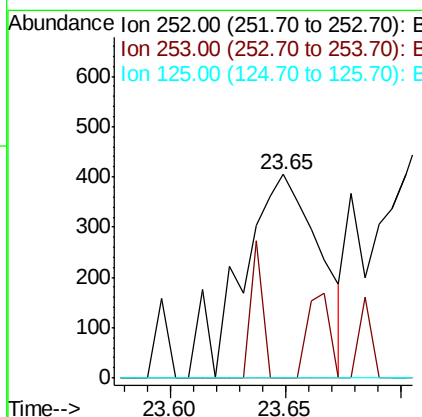
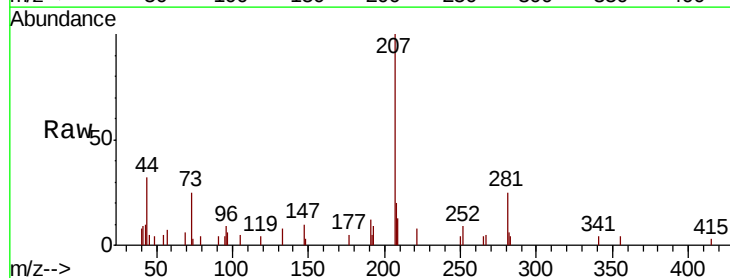
Instrument :
BNA_G
ClientSampleId :

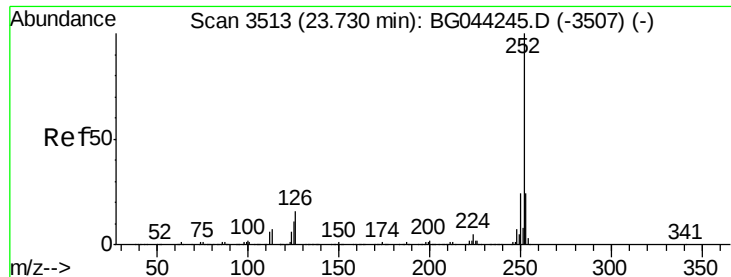
Tot Ion:264 Resp: 472710
Ion Ratio Lower Upper
264 100
260 24.2 19.4 29.2
265 20.7 16.7 25.1



#88
Benzo(b)fluoranthene
Concen: 0.035 ng
RT: 23.65 min Scan# 3499
Delta R.T. 0.00 min
Lab File: BG044406.D
Acq: 12 Feb 2020 13:06

Tgt Ion:252 Resp: 954
Ion Ratio Lower Upper
252 100
253 0.0 19.2 28.8#
125 0.0 8.4 12.6#

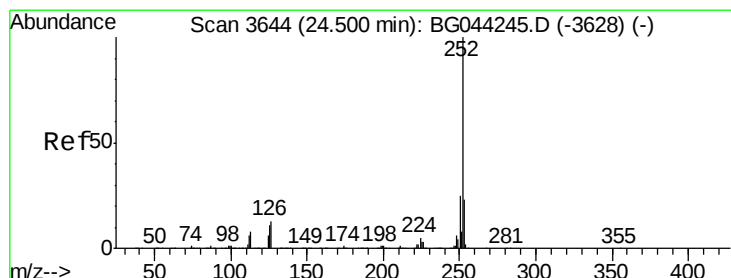
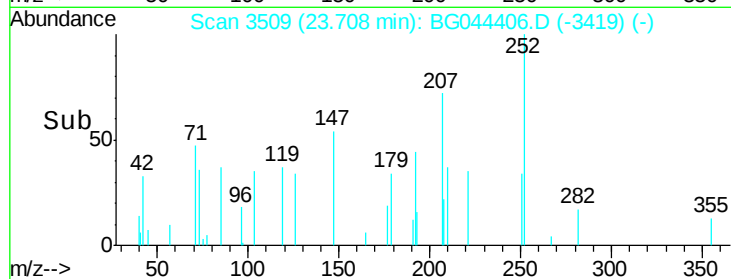
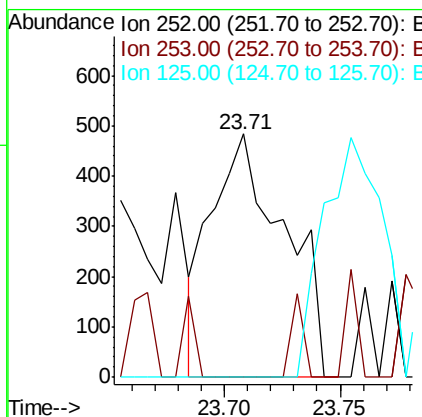
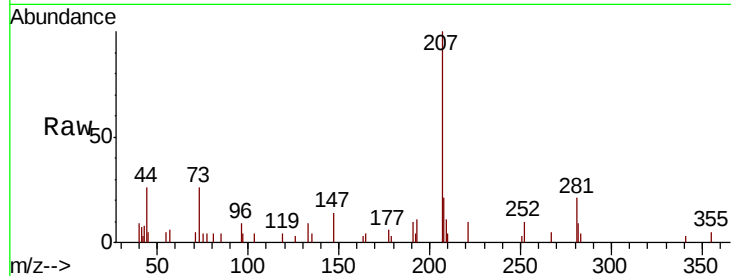




#89
Benzo(k)fluoranthene
Concen: 0.040 ng
RT: 23.71 min Scan# 3509
Delta R.T. -0.00 min
Lab File: BG044406.D
Acq: 12 Feb 2020 13:06

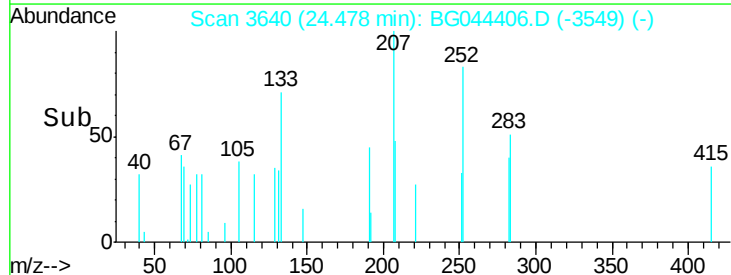
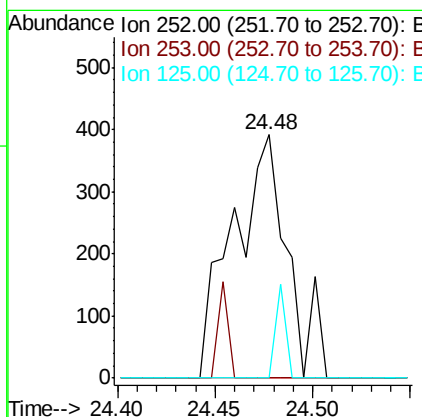
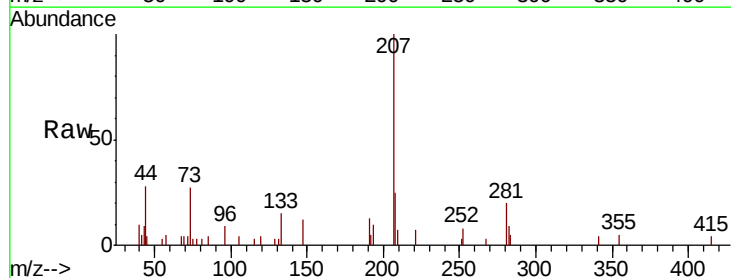
Instrument :
BNA_G
ClientSampled :

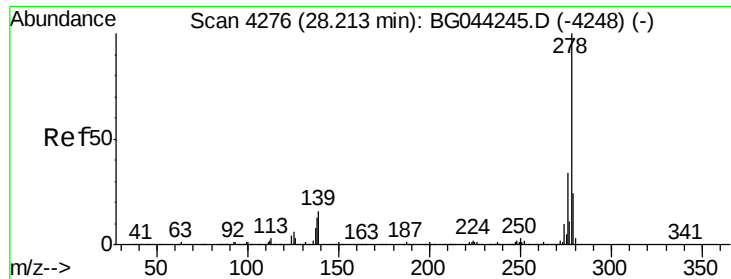
Tot Ion:252 Resp: 1070
Ion Ratio Lower Upper
252 100
253 0.0 19.1 28.7#
125 0.0 8.6 12.8#



#90
Benzo(a)pyrene
Concen: 0.030 ng
RT: 24.48 min Scan# 3640
Delta R.T. 0.00 min
Lab File: BG044406.D
Acq: 12 Feb 2020 13:06

Tgt Ion:252 Resp: 761
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: 28.21 min Scan# 4275

Delta R.T. 0.03 min

Lab File: BG044406.D

Acq: 12 Feb 2020 13:06

Instrument :

BNA_G

ClientSampled :

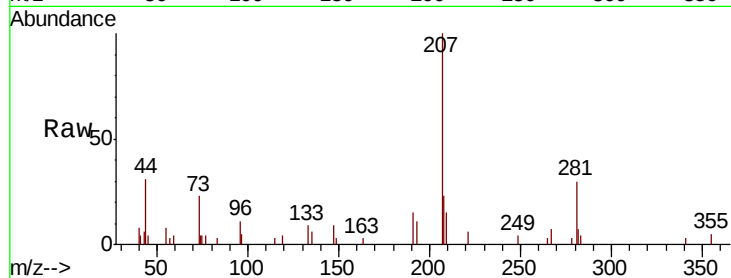
Tot Ion:278 Resp: 55

Ion Ratio Lower Upper

278 100

139 0.0 12.7 19.1#

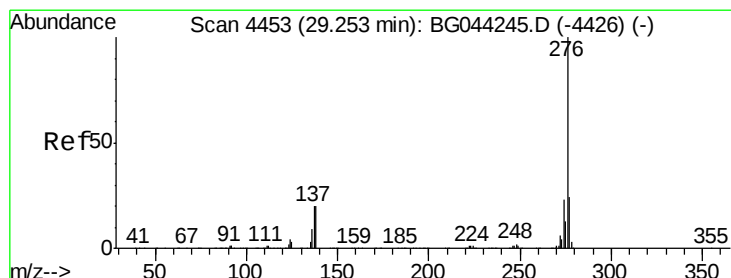
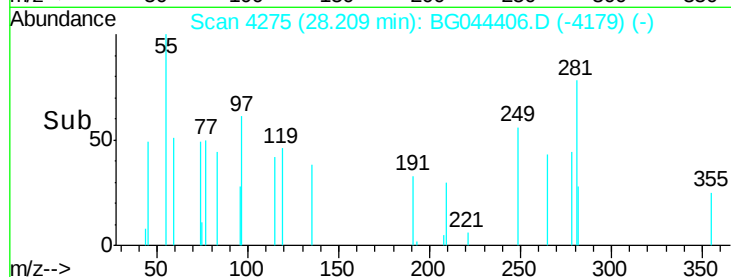
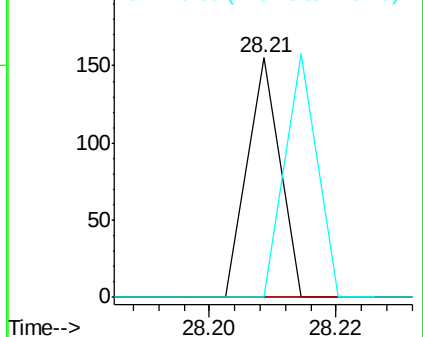
279 0.0 19.3 28.9#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 0.002 ng

RT: 29.20 min Scan# 4443

Delta R.T. -0.01 min

Lab File: BG044406.D

Acq: 12 Feb 2020 13:06

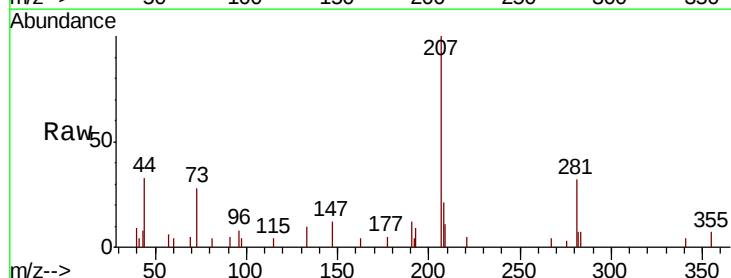
Tgt Ion:276 Resp: 53

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

