

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082219\
 Data File : BG042411.D
 Acq On : 22 Aug 2019 21:32
 Operator : HP/JU
 Sample : K4277-13
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 23 02:36:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 14:29:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	58385	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	226599	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	170600	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	384825	20.00	ng	0.00
76) Chrysene-d12	21.69	240	400258	20.00	ng	0.00
87) Perylene-d12	24.93	264	454583	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	233748	81.08	ng	0.00
7) Phenol-d6	7.17	99	211984	54.44	ng	0.00
23) Nitrobenzene-d5	9.17	82	345205	105.27	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	350881	144.71	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1083921	107.46	ng	0.00
79) Terphenyl-d14	20.03	244	1849509	99.90	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.25	88	658	0.547	ng	# 48
3) Pyridine	3.48	79	60	0.019	ng	# 1
4) n-Nitrosodimethylamine	3.73	42	182	0.165	ng	# 1
6) Aniline	7.31	93	2696	0.519	ng	# 45
9) Benzaldehyde	7.17	77	349	0.179	ng	# 1
10) Phenol	7.19	94	16397	4.141	ng	# 93
11) bis(2-Chloroethyl)ether	7.47	93	786	0.253	ng	# 22
15) Benzyl Alcohol	8.34	79	5416	1.933	ng	# 47
19) n-Nitroso-di-n-propylamine	9.17	70	44125	17.491	ng	# 77
24) Nitrobenzene	9.18	77	1066	0.321	ng	# 33
25) Isophorone	9.62	82	179	0.028	ng	# 59
31) Naphthalene	10.89	128	57	0.005	ng	# 68
37) 2-Methylnaphthalene	12.71	142	58	0.007	ng	# 15
38) 1-Methylnaphthalene	12.71	142	58	0.007	ng	# 5
46) 1,1'-Biphenyl	13.50	154	1736	0.157	ng	# 89
48) 2-Nitroaniline	13.28	65	1283	0.560	ng	# 4
50) Dimethylphthalate	14.12	163	15555	1.264	ng	# 95
51) 2,6-Dinitrotoluene	14.66	165	21920	7.683	ng	# 37
52) Acenaphthene	14.67	154	470	0.054	ng	# 4
57) 2,4-Dinitrotoluene	14.66	165	21920	5.365	ng	# 39
58) Fluorene	16.16	166	12543	1.067	ng	# 87
60) Diethylphthalate	15.47	149	3952	0.328	ng	# 88
63) Azobenzene	16.03	77	61	0.007	ng	# 43
65) 4,6-Dinitro-2-methylphenol	16.15	198	726	0.301	ng	# 1
66) n-Nitrosodiphenylamine	16.16	169	10913	1.031	ng	# 42
67) 4-Bromophenyl-phenylether	16.16	248	24758	5.072	ng	# 1
71) Phenanthrene	17.46	178	1540	0.081	ng	# 72
72) Anthracene	17.55	178	146	0.008	ng	# 60
73) Carbazole	17.83	167	60	0.004	ng	# 58
74) Di-n-butylphthalate	18.38	149	18929	0.942	ng	# 95
75) Fluoranthene	19.48	202	852	0.037	ng	# 63
77) Benzidine	20.03	184	26563	2.315	ng	# 97
78) Pvrene	19.84	202	1193	0.049	ng	# 61
80) Butylbenzylphthalate	20.72	149	183	0.019	ng	# 48

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) Benzo(a)anthracene	21.68	228	1454	0.060	ng	# 61
82) 3,3'-Dichlorobenzidine	21.56	252	54	0.006	ng	# 23
83) Chrysene	21.73	228	390	0.017	ng	# 48
84) Bis(2-ethylhexyl)phthalate	21.57	149	2102	0.157	ng	# 94
85) Di-n-octyl phthalate	22.79	149	590	0.026	ng	# 84
86) Indeno(1,2,3-cd)pyrene	28.63	276	58	0.002	ng	# 55
88) Benzo(b)fluoranthene	23.91	252	342	0.014	ng	# 24
89) Benzo(k)fluoranthene	23.98	252	65	0.003	ng	# 1
90) Benzo(a)pyrene	24.77	252	172	0.007	ng	# 1
92) Benzo(a,h,i)perylene	29.79	276	82	0.003	ng	# 56

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.00 min Scan# 836

Delta R.T. -0.01 min

Lab File: BG042411.D

Acq: 22 Aug 2019 21:32

Instrument :

BNA_G

ClientSampleId :

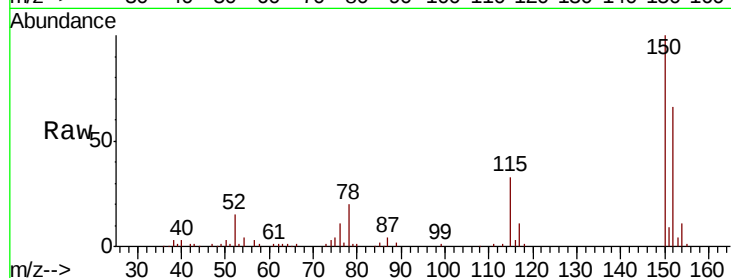
Tot Ion:152 Resp: 58385

Ion Ratio Lower Upper

152 100

150 151.4 125.4 188.0

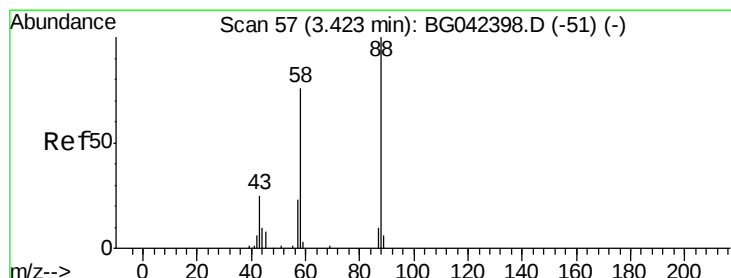
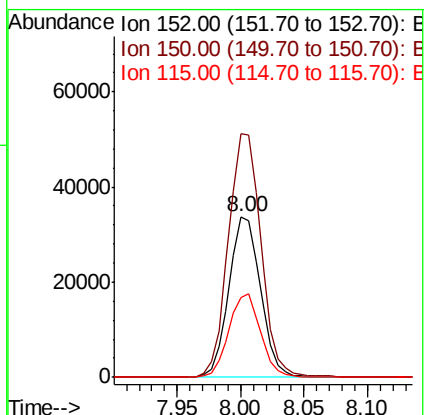
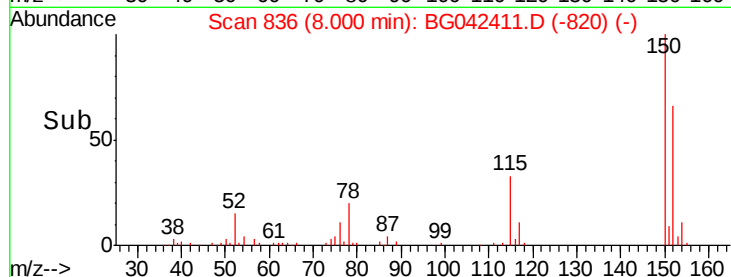
115 50.0 38.5 57.7



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: 0.547 ng

RT: 3.25 min Scan# 27

Delta R.T. -0.18 min

Lab File: BG042411.D

Acq: 22 Aug 2019 21:32

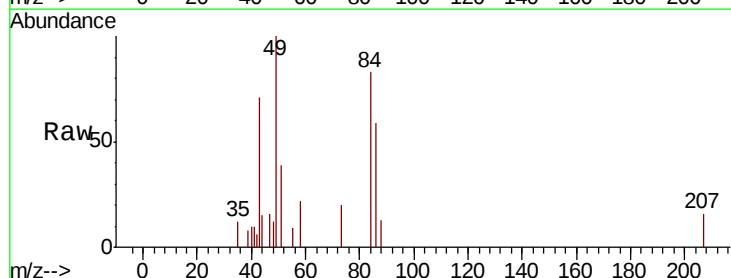
Tgt Ion: 88 Resp: 658

Ion Ratio Lower Upper

88 100

58 28.7 58.3 87.5#

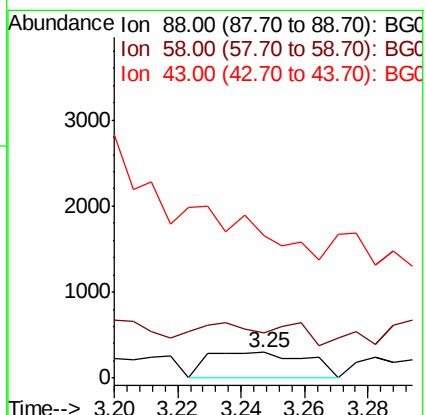
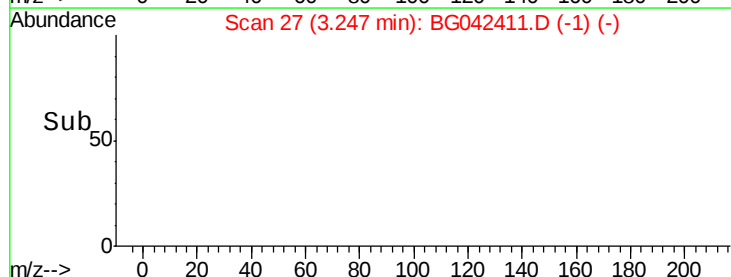
43 0.0 20.2 30.2#

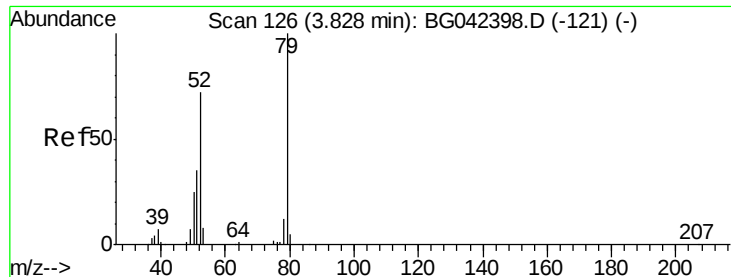


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 0.019 ng

RT: 3.48 min Scan# 67

Delta R.T. -0.35 min

Lab File: BG042411.D

Acq: 22 Aug 2019 21:32

Instrument :

BNA_G

ClientSampleId :

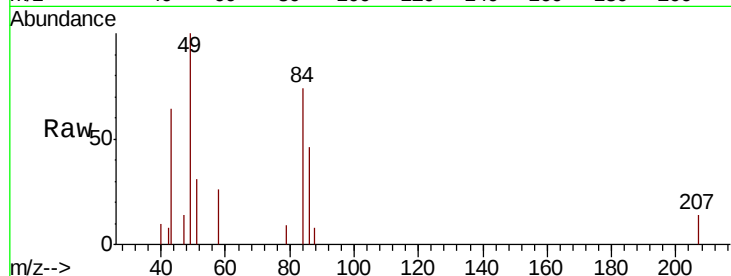
Tot Ion: 79 Resp: 60

Ion Ratio Lower Upper

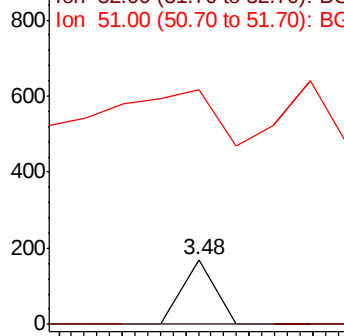
79 100

52 0.0 57.7 86.5#

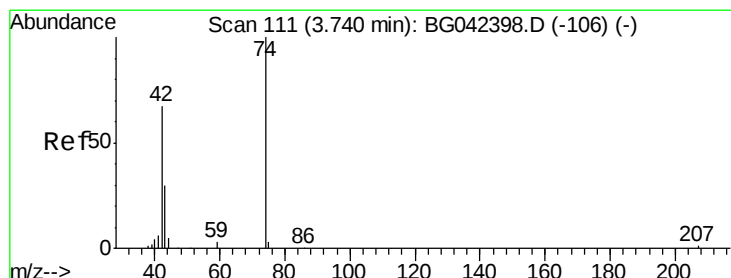
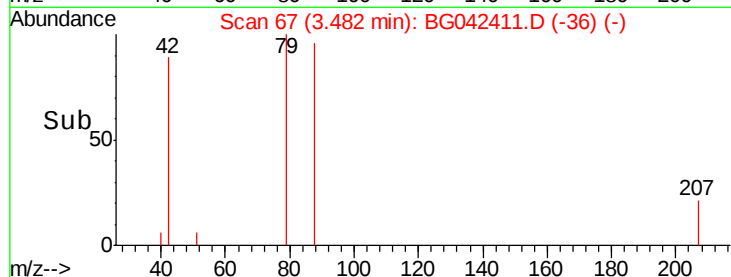
51 360.8 28.8 43.2#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 52.00 (51.70 to 52.70): BGC
Ion 51.00 (50.70 to 51.70): BGC



Time-->



#4

n-Nitrosodimethylamine

Concen: 0.165 ng

RT: 3.73 min Scan# 110

Delta R.T. -0.01 min

Lab File: BG042411.D

Acq: 22 Aug 2019 21:32

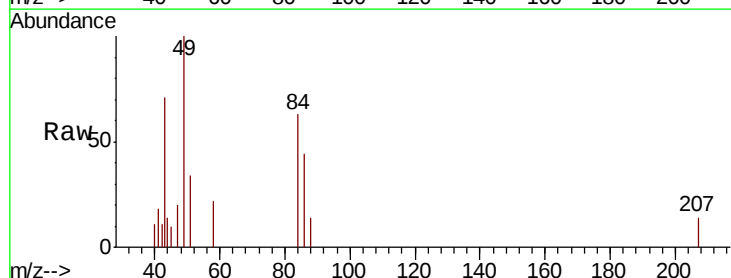
Tgt Ion: 42 Resp: 182

Ion Ratio Lower Upper

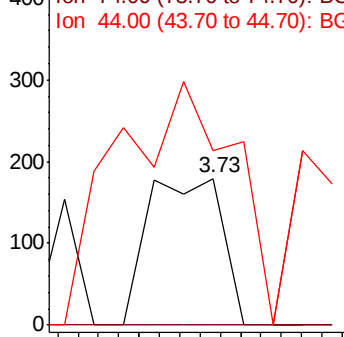
42 100

74 0.0 119.6 179.4#

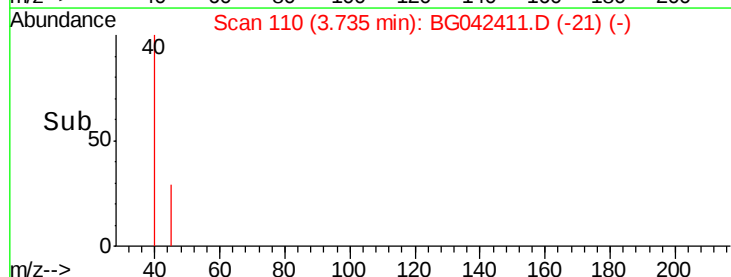
44 119.6 6.5 9.7#

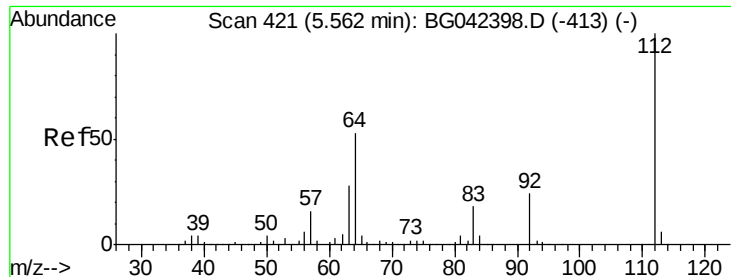


Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC



Time-->





#5

2-Fluorophenol

Concen: 81.084 ng

RT: 5.56 min Scan# 421

Delta R.T. 0.00 min

Lab File: BG042411.D

Acq: 22 Aug 2019 21:32

Instrument :

BNA_G

ClientSampleId :

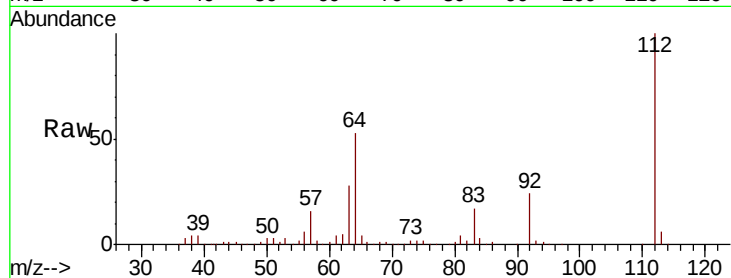
Tot Ion: 112 Resp: 233748

Ion Ratio Lower Upper

112 100

64 52.9 42.8 64.2

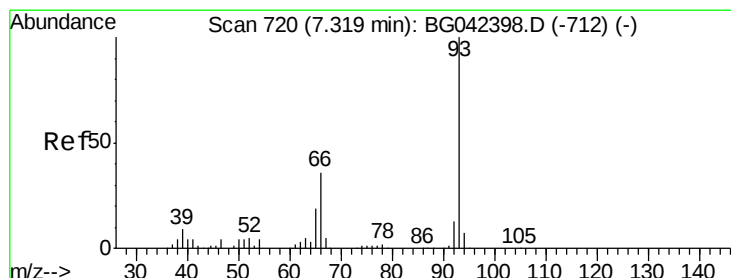
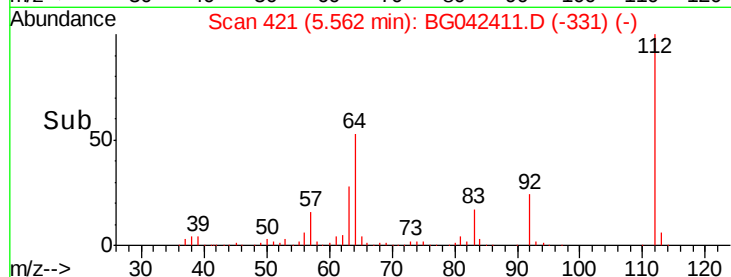
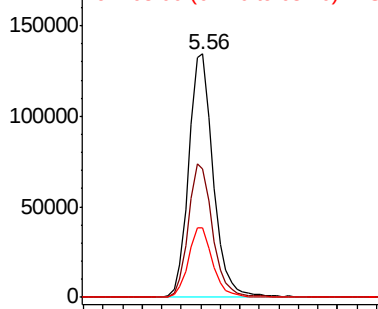
63 28.4 22.7 34.1



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 0.519 ng

RT: 7.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BG042411.D

Acq: 22 Aug 2019 21:32

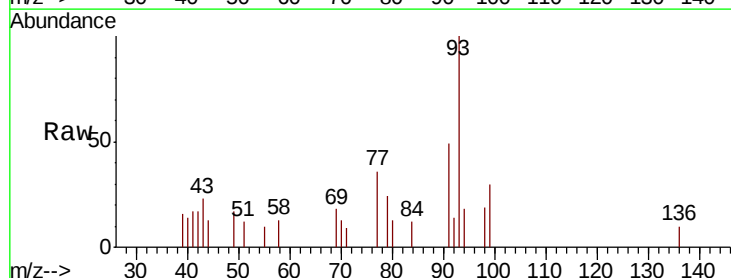
Tgt Ion: 93 Resp: 2696

Ion Ratio Lower Upper

93 100

66 0.0 29.0 43.6#

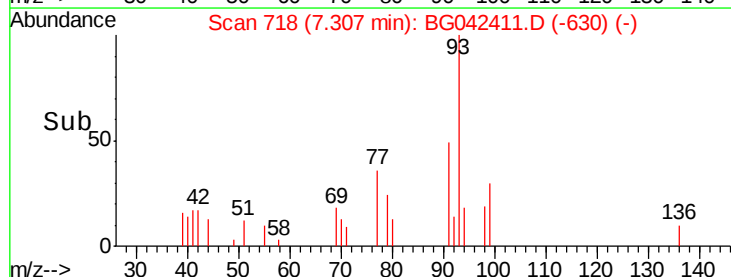
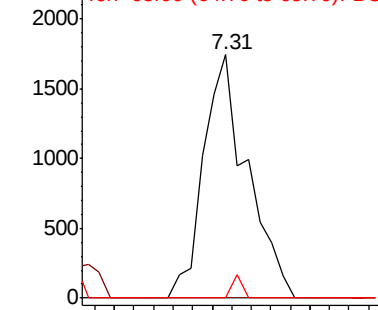
65 0.0 15.2 22.8#

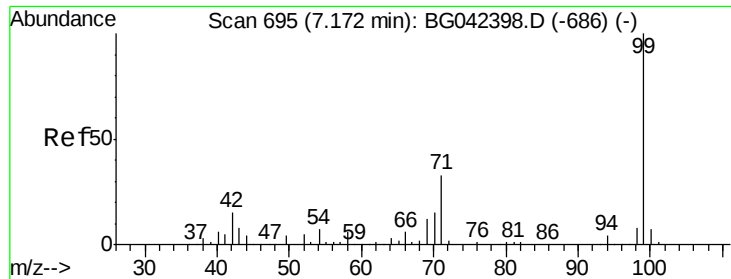


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 54.439 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG042411.D

Acq: 22 Aug 2019 21:32

Instrument :

BNA_G

ClientSampled :

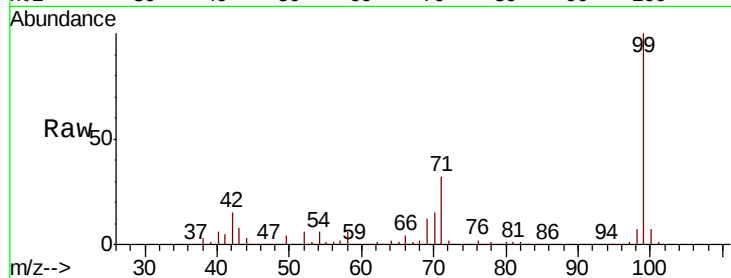
Tot Ion: 99 Resp: 211984

Ion Ratio Lower Upper

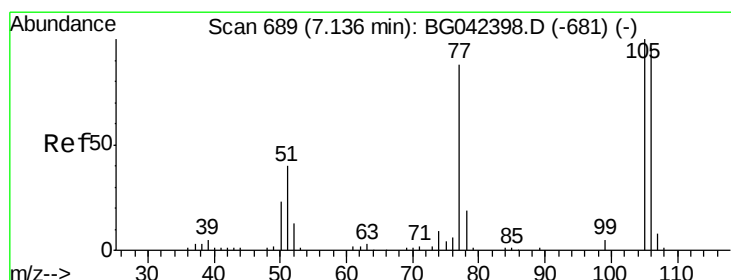
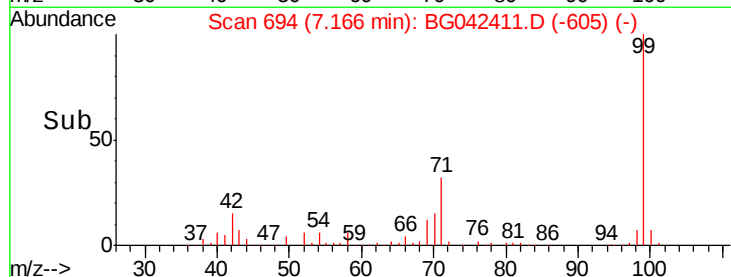
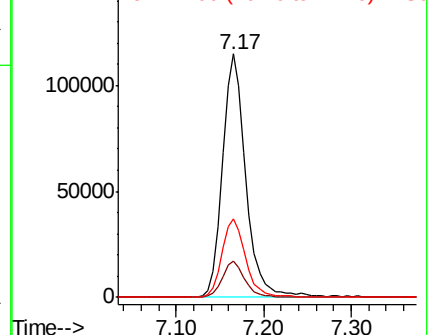
99 100

42 14.8 12.0 18.0

71 32.1 26.3 39.5



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: 0.179 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.04 min

Lab File: BG042411.D

Acq: 22 Aug 2019 21:32

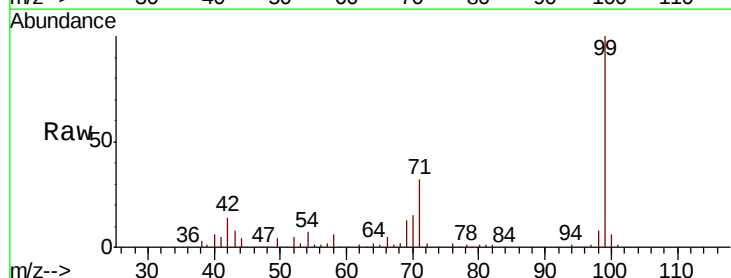
Tgt Ion: 77 Resp: 349

Ion Ratio Lower Upper

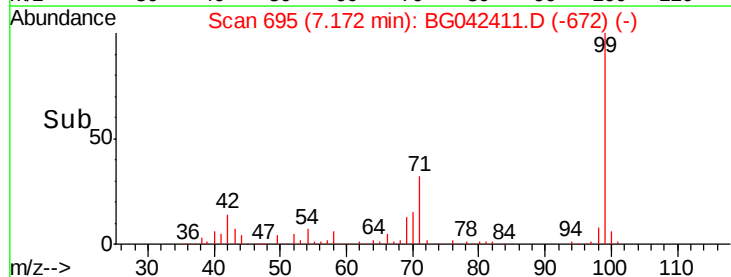
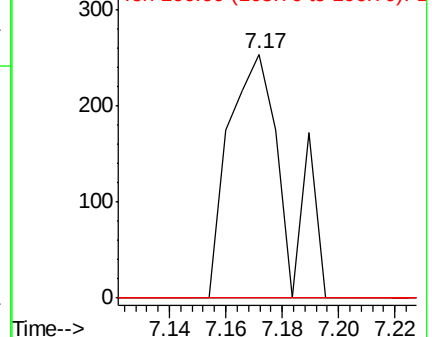
77 100

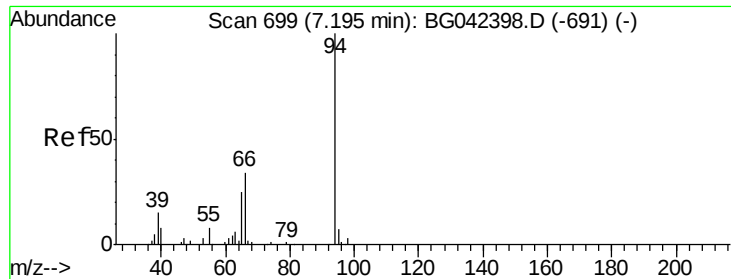
105 0.0 93.4 133.4#

106 0.0 88.4 128.4#



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





#10

Phenol

Concen: 4.141 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG042411.D

Acq: 22 Aug 2019 21:32

Instrument :

BNA_G

ClientSampleId :

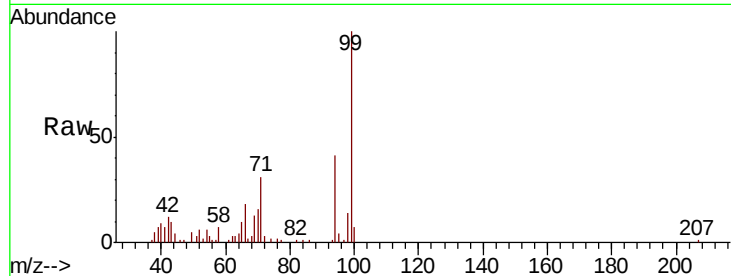
Tot Ion: 94 Resp: 16397

Ion Ratio Lower Upper

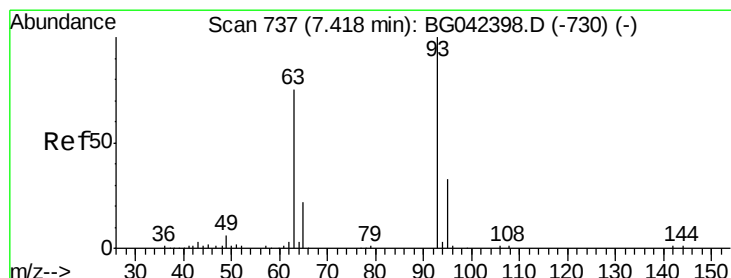
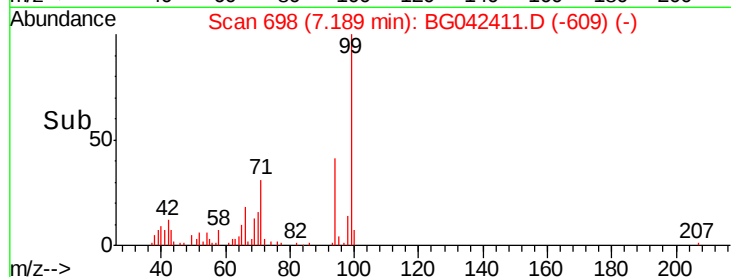
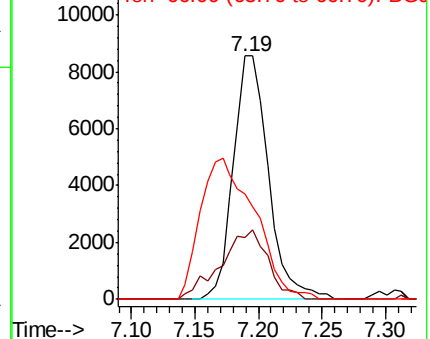
94 100

65 25.5 5.6 45.6

66 43.2 16.0 56.0



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



#11

bis(2-Chloroethyl)ether

Concen: 0.253 ng

RT: 7.47 min Scan# 746

Delta R.T. 0.05 min

Lab File: BG042411.D

Acq: 22 Aug 2019 21:32

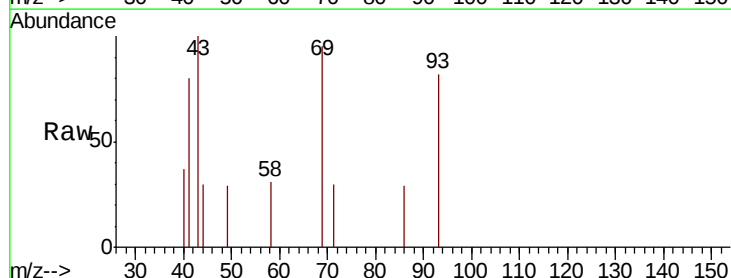
Tgt Ion: 93 Resp: 786

Ion Ratio Lower Upper

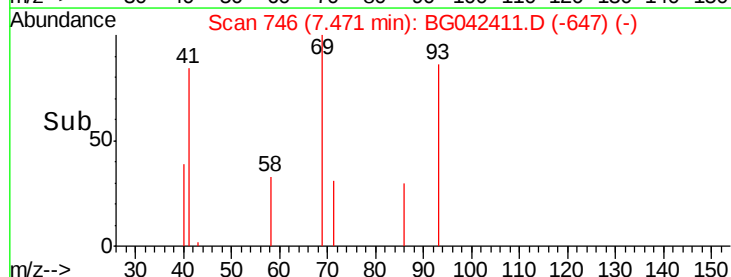
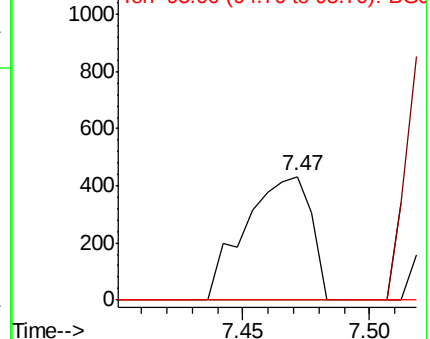
93 100

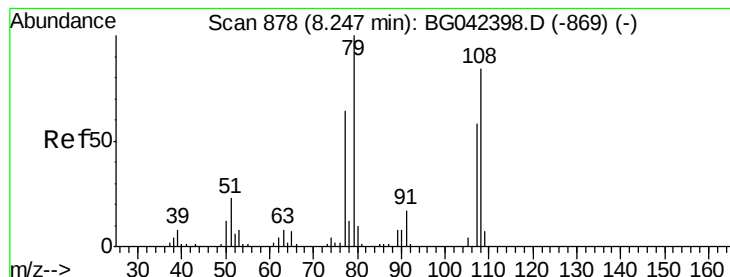
63 0.0 53.8 93.8#

95 0.0 13.1 53.1#



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





#15

Benzyl Alcohol

Concen: 1.933 ng

RT: 8.34 min Scan# 893

Delta R.T. 0.09 min

Lab File: BG042411.D

Acq: 22 Aug 2019 21:32

Instrument :

BNA_G

ClientSampleId :

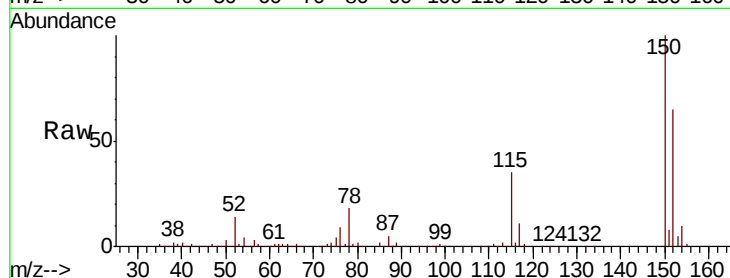
Tot Ion: 79 Resp: 5416

Ion Ratio Lower Upper

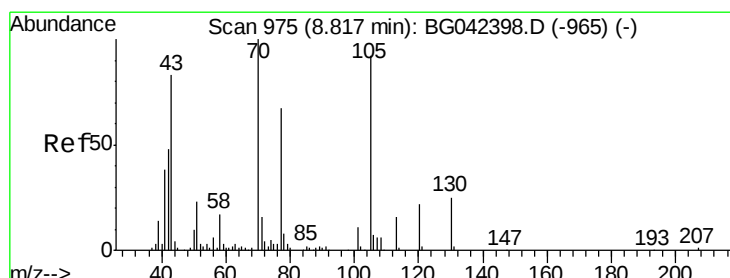
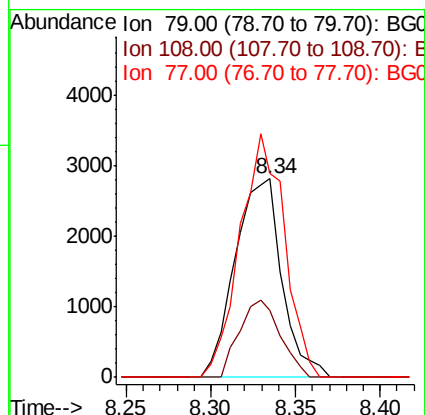
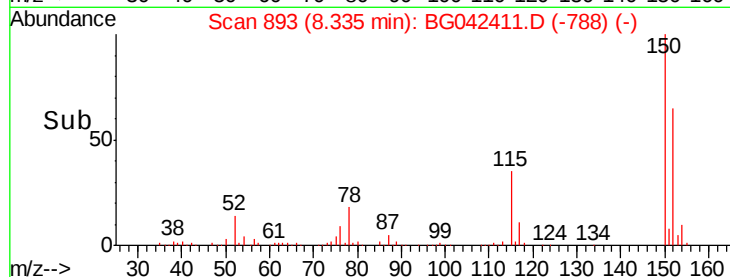
79 100

108 33.8 67.4 101.2#

77 102.8 50.8 76.2#



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: 17.491 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.35 min

Lab File: BG042411.D

Acq: 22 Aug 2019 21:32

Tgt Ion: 70 Resp: 44125

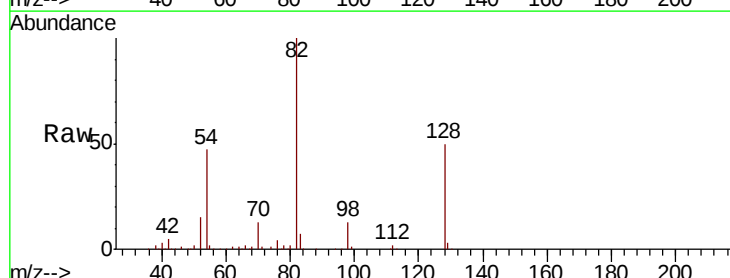
Ion Ratio Lower Upper

70 100

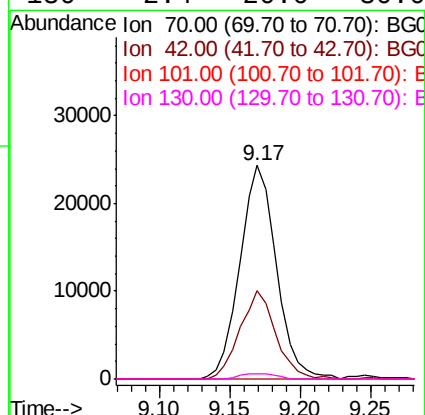
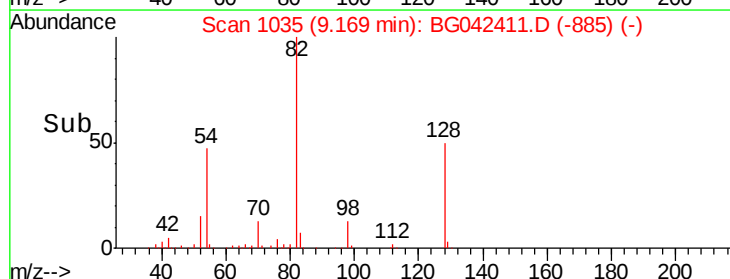
42 41.5 38.8 58.2

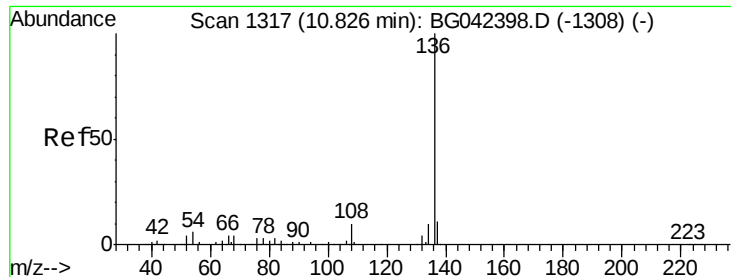
101 0.0 9.0 13.6#

130 2.4 20.0 30.0#



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

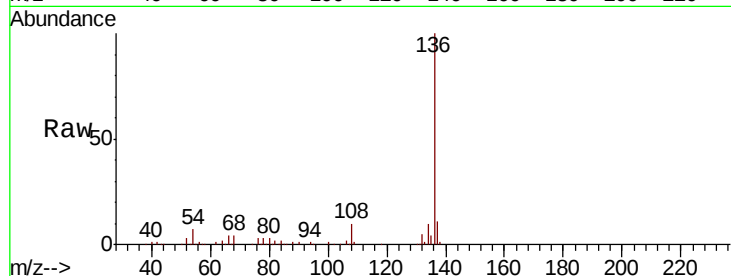




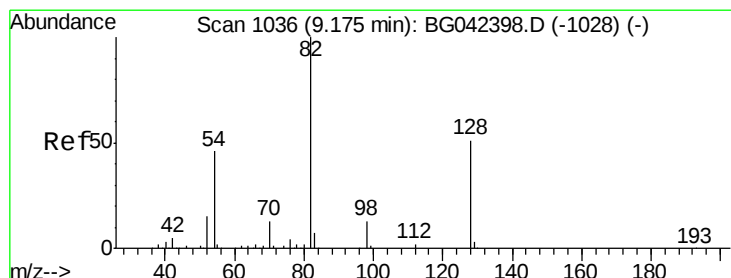
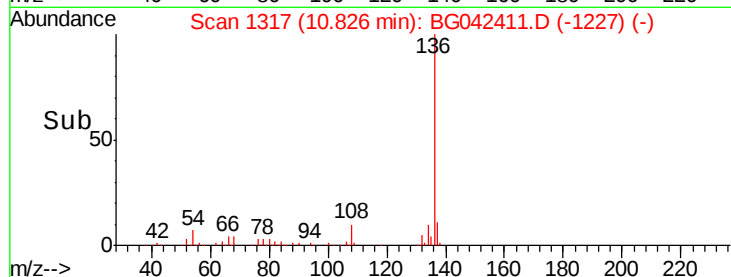
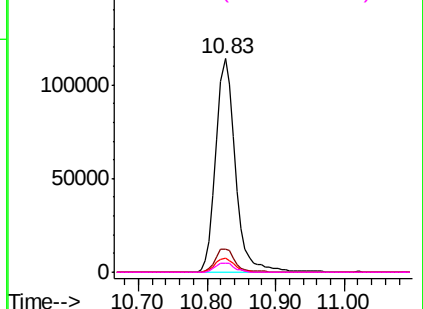
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BG042411.D
Acq: 22 Aug 2019 21:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	226599
Ion	Ratio	Lower Upper
136	100	
137	10.8	8.7 13.1
54	6.9	4.9 7.3
68	4.2	3.6 5.4

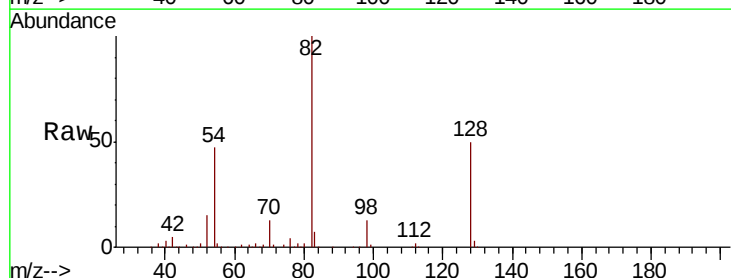


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

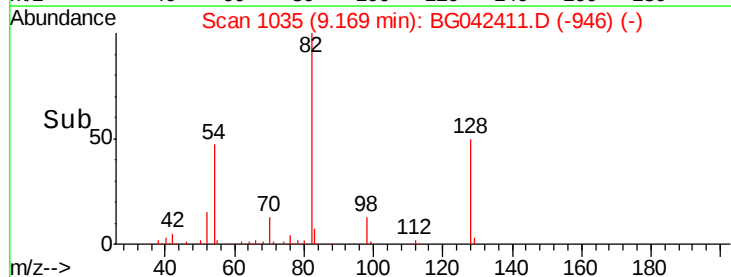
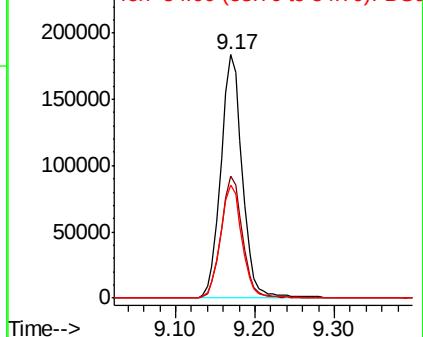


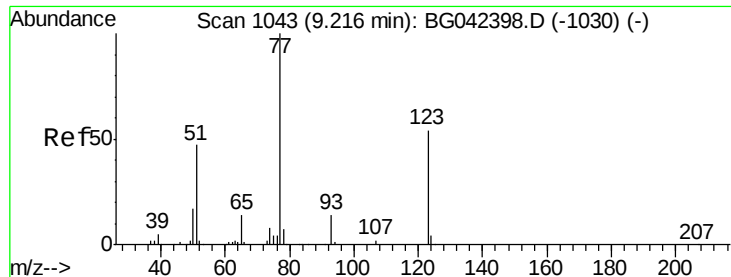
#23
Nitrobenzene-d5
Concen: 105.274 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BG042411.D
Acq: 22 Aug 2019 21:32

Tgt Ion: 82	Resp:	345205
Ion	Ratio	Lower Upper
82	100	
128	50.3	40.7 61.1
54	46.6	36.3 54.5



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

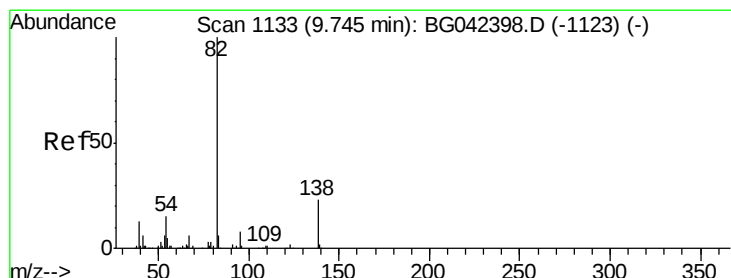
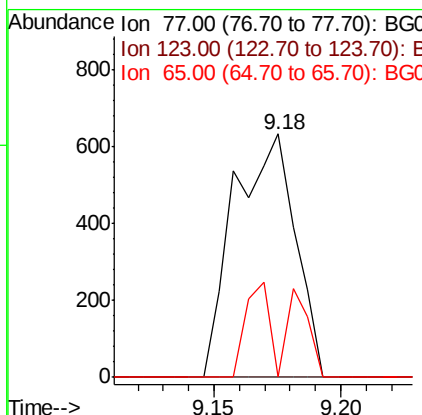
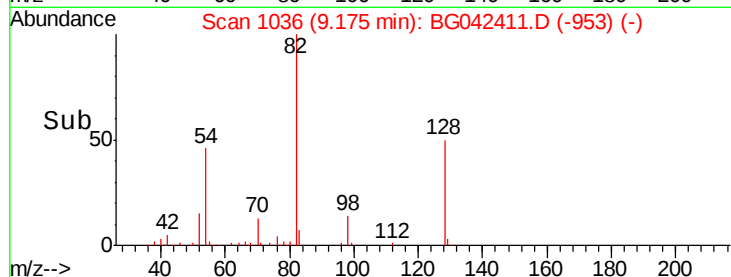
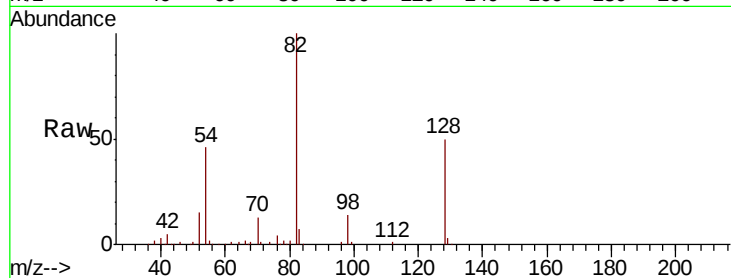




#24
 Nitrobenzene
 Concen: 0.321 ng
 RT: 9.18 min Scan# 1036
 Delta R.T. -0.04 min
 Lab File: BG042411.D
 Acq: 22 Aug 2019 21:32

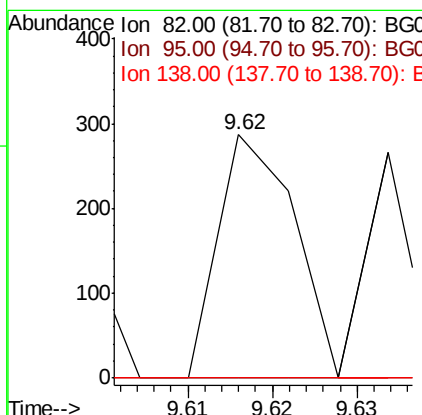
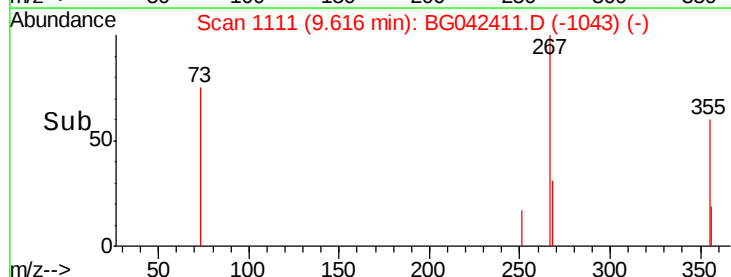
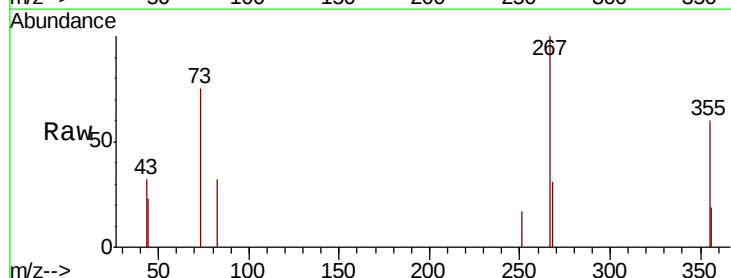
Instrument :
 BNA_G
 ClientSampleId :

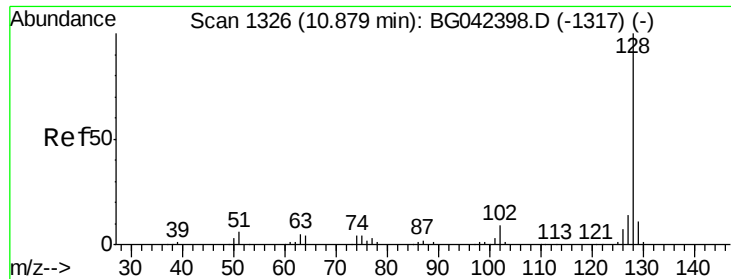
Tot Ion: 77 Resp: 1066
 Ion Ratio Lower Upper
 77 100
 123 0.0 43.4 65.0#
 65 0.0 11.0 16.6#



#25
 Isophorone
 Concen: 0.028 ng
 RT: 9.62 min Scan# 1111
 Delta R.T. -0.13 min
 Lab File: BG042411.D
 Acq: 22 Aug 2019 21:32

Tgt Ion: 82 Resp: 179
 Ion Ratio Lower Upper
 82 100
 95 0.0 6.6 9.8#
 138 0.0 18.6 27.8#

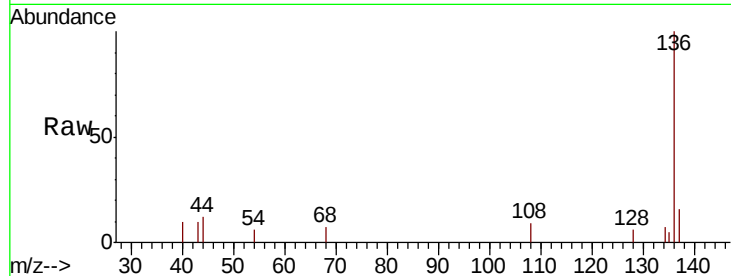




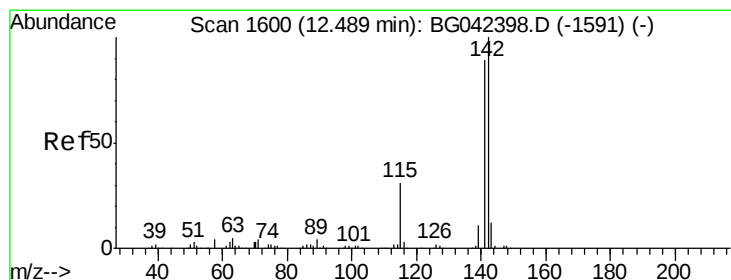
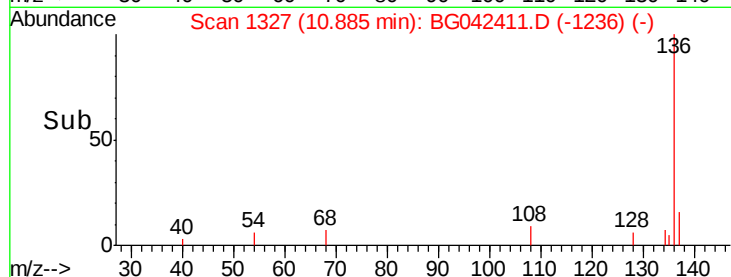
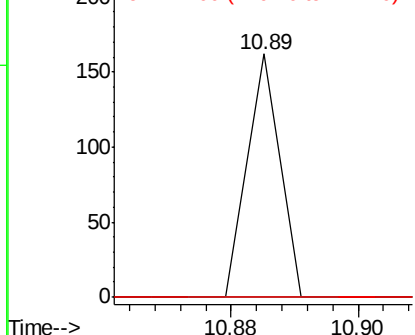
#31
Naphthalene
Concen: 0.005 ng
RT: 10.89 min Scan# 1327
Delta R.T. 0.01 min
Lab File: BG042411.D
Acq: 22 Aug 2019 21:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion:128 Resp: 57
Ion Ratio Lower Upper
128 100
129 0.0 8.8 13.2#
127 0.0 11.4 17.0#

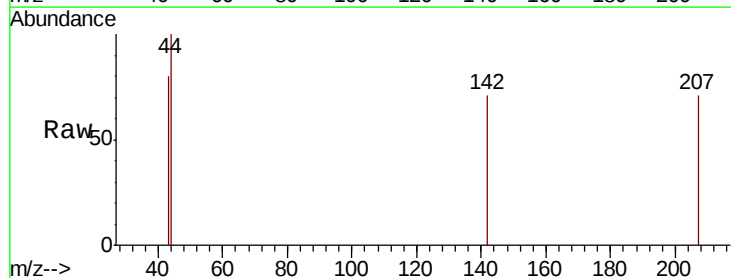


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

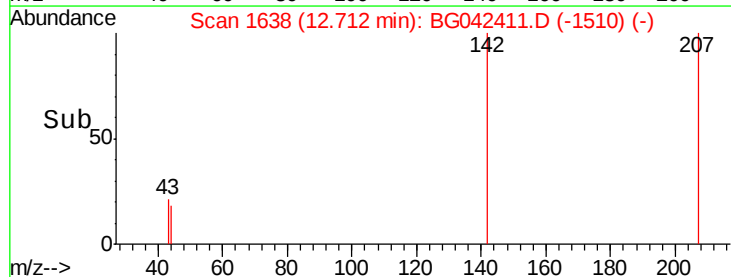
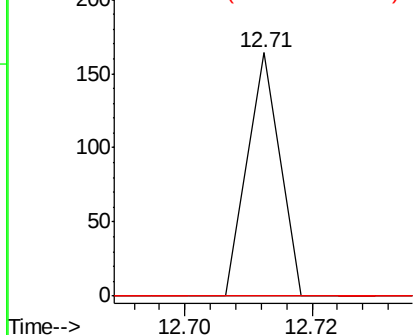


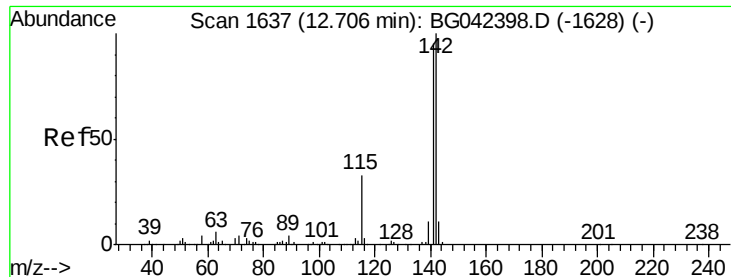
#37
2-Methylnaphthalene
Concen: 0.007 ng
RT: 12.71 min Scan# 1638
Delta R.T. 0.22 min
Lab File: BG042411.D
Acq: 22 Aug 2019 21:32

Tgt Ion:142 Resp: 58
Ion Ratio Lower Upper
142 100
141 0.0 71.4 107.2#
115 0.0 25.2 37.8#



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

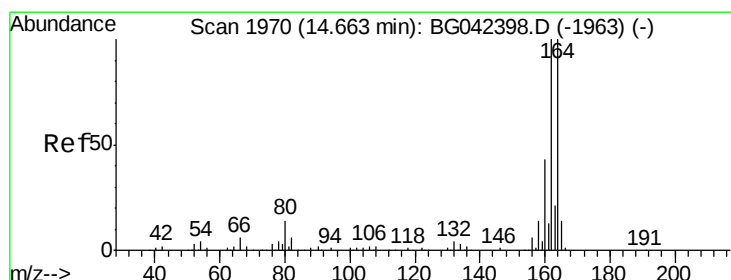
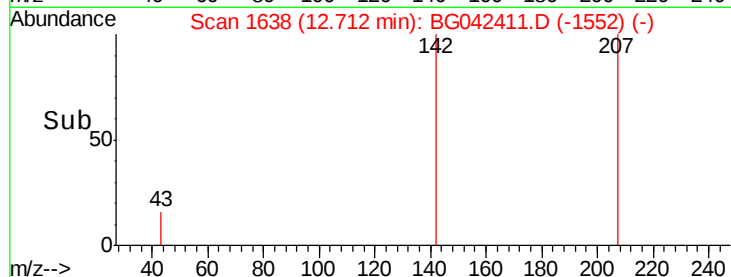
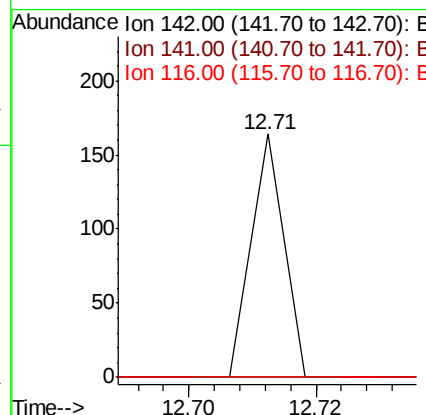
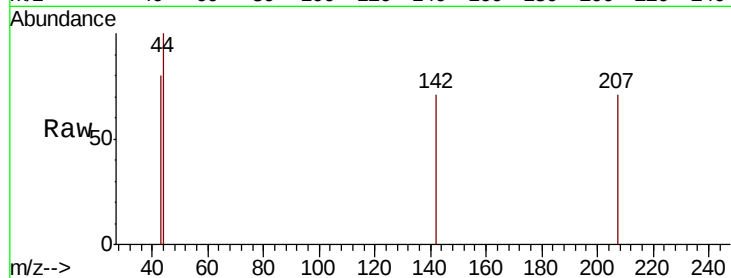




#38
1-Methylnaphthalene
Concen: 0.007 ng
RT: 12.71 min Scan# 1638
Delta R.T. 0.01 min
Lab File: BG042411.D
Acq: 22 Aug 2019 21:32

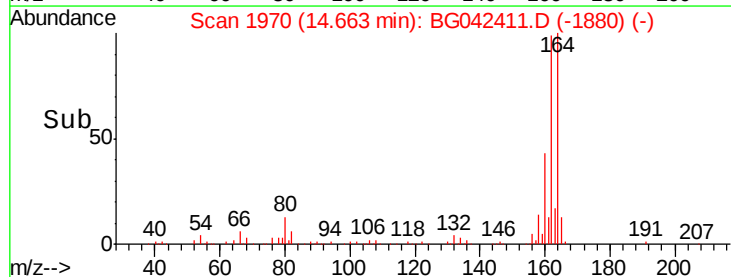
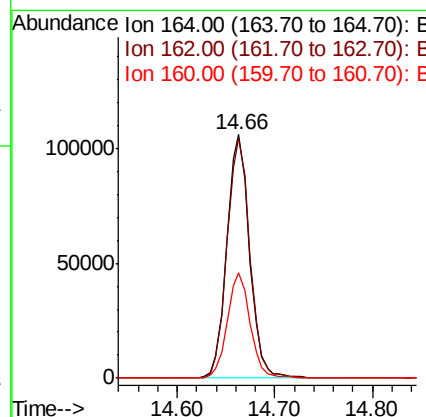
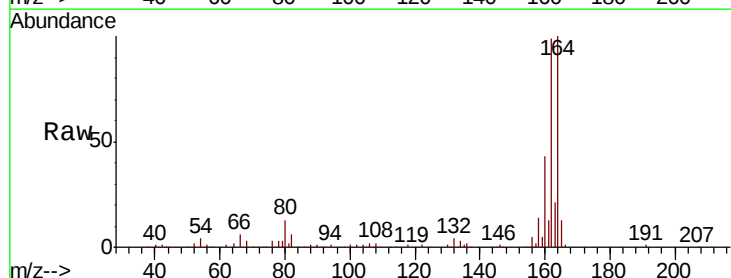
Instrument :
BNA_G
ClientSampleId :

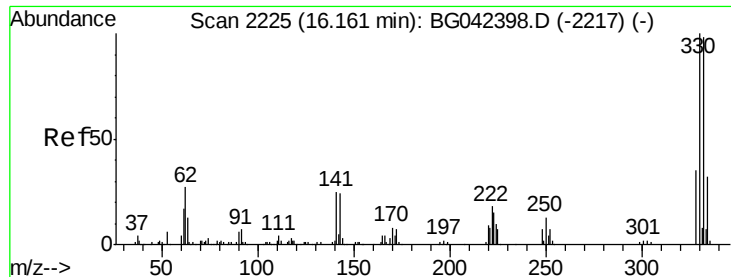
Tot Ion:142 Resp: 58
Ion Ratio Lower Upper
142 100
141 0.0 76.2 114.2#
116 0.0 2.8 4.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. 0.00 min
Lab File: BG042411.D
Acq: 22 Aug 2019 21:32

Tgt Ion:164 Resp: 170600
Ion Ratio Lower Upper
164 100
162 98.7 79.9 119.9
160 43.1 34.3 51.5

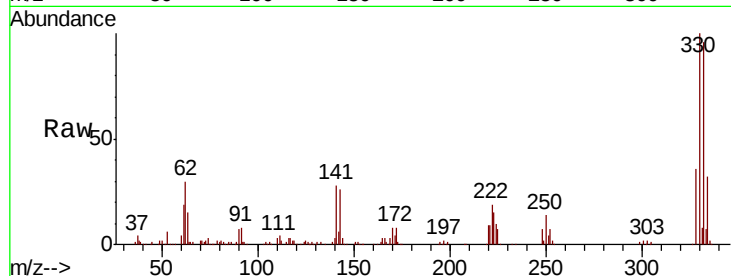




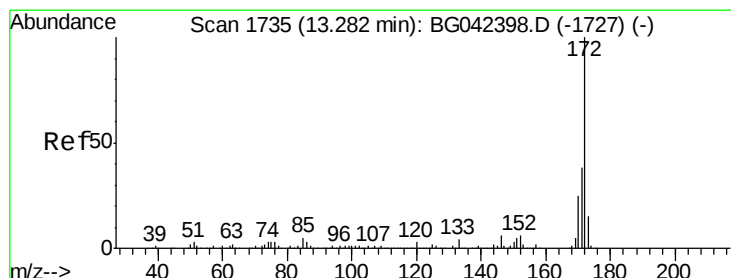
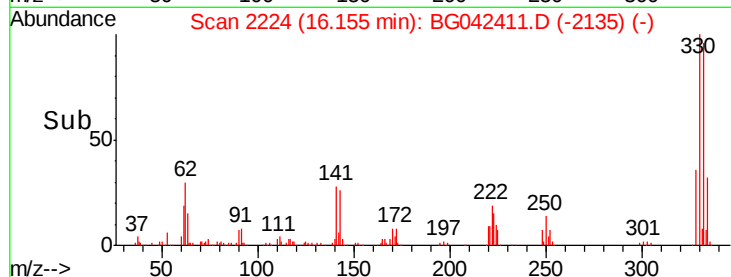
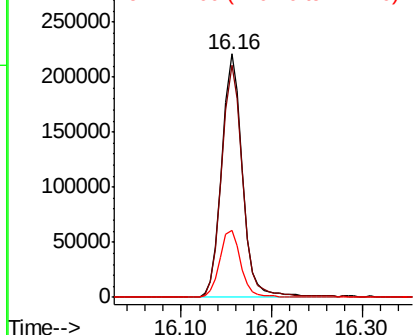
#42
 2,4,6-Tribromophenol
 Concen: 144.705 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: BG042411.D
 Acq: 22 Aug 2019 21:32

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.4	116.0
141	28.0	21.4	32.0

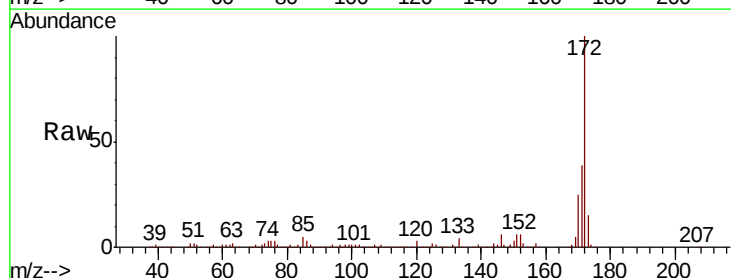


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

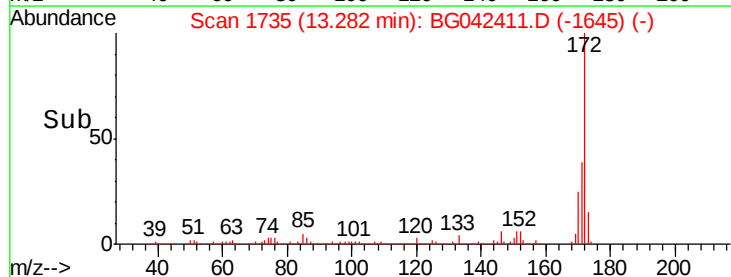
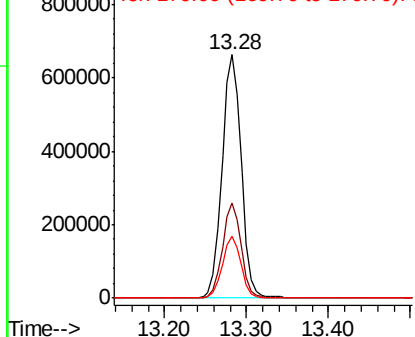


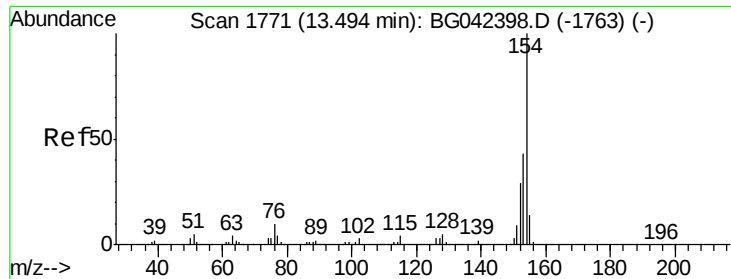
#45
 2-Fluorobiphenyl
 Concen: 107.457 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. 0.00 min
 Lab File: BG042411.D
 Acq: 22 Aug 2019 21:32

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.9	30.5	45.7
170	25.2	20.2	30.2



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

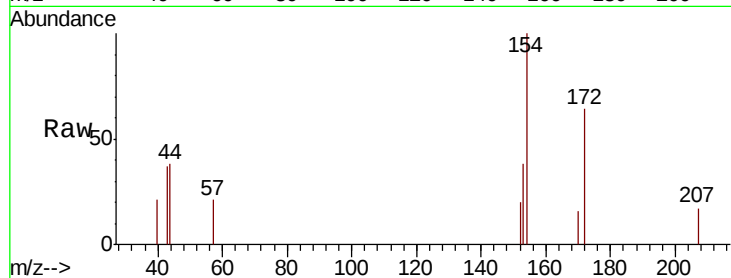




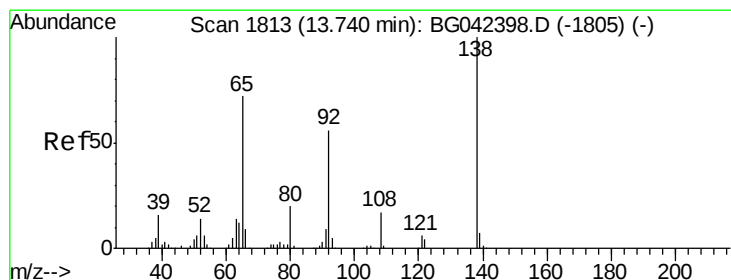
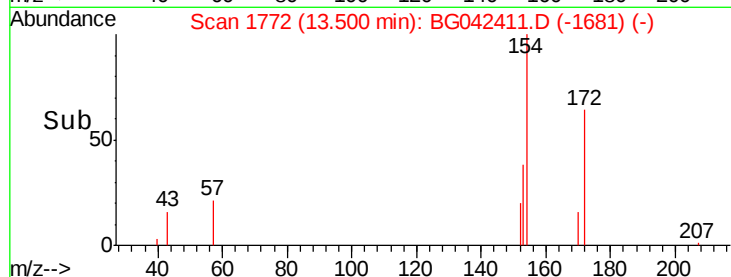
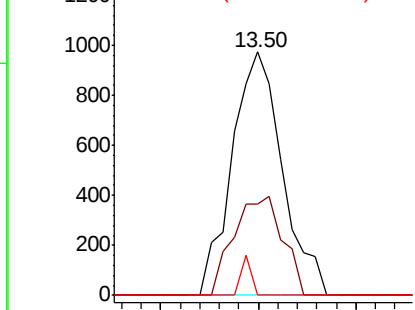
#46
 1,1'-Biphenyl
 Concen: 0.157 ng
 RT: 13.50 min Scan# 1772
 Delta R.T. 0.01 min
 Lab File: BG042411.D
 Acq: 22 Aug 2019 21:32

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
154	100		
153	37.8	23.0	63.0
76	0.0	0.0	29.6

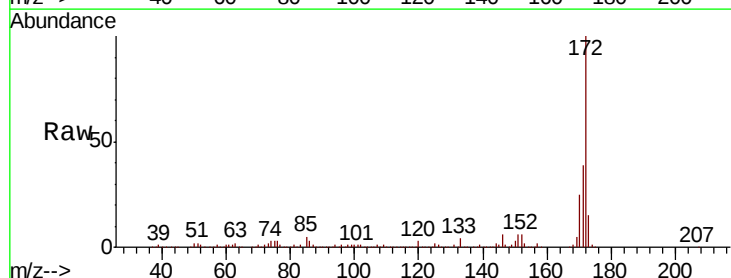


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BGC

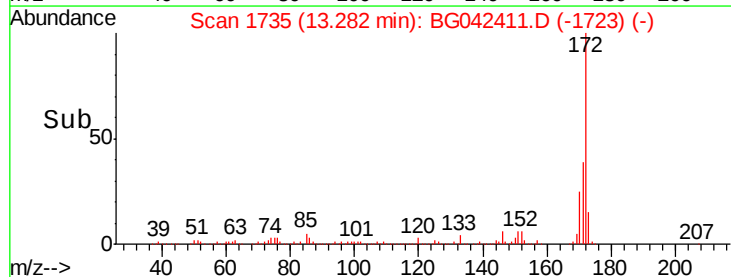
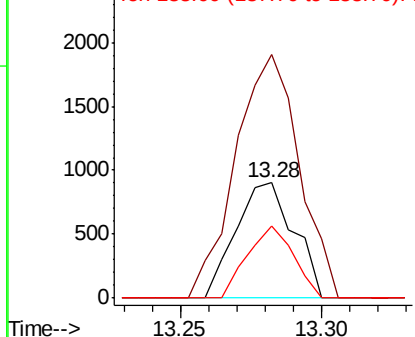


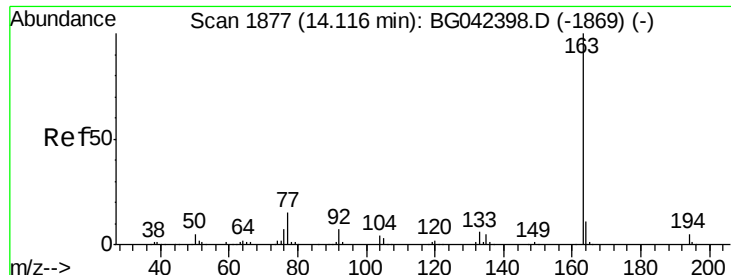
#48
 2-Nitroaniline
 Concen: 0.560 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.46 min
 Lab File: BG042411.D
 Acq: 22 Aug 2019 21:32

Tgt Ion	Ratio	Lower	Upper
65	100		
92	211.2	61.8	92.6#
138	62.9	111.0	166.6#



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





#50

Dimethylphthalate

Concen: 1.264 ng

RT: 14.12 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BG042411.D

Acq: 22 Aug 2019 21:32

Instrument :

BNA_G

ClientSampled :

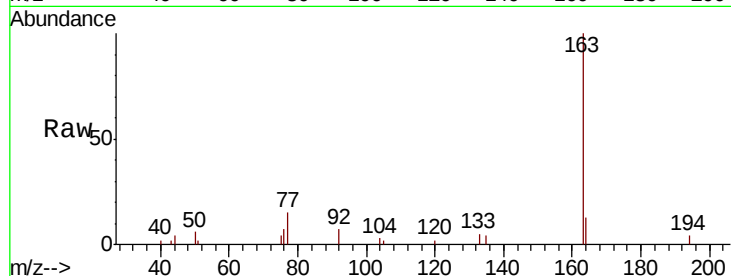
Tot Ion:163 Resp: 15555

Ion Ratio Lower Upper

163 100

194 3.7 4.2 6.2#

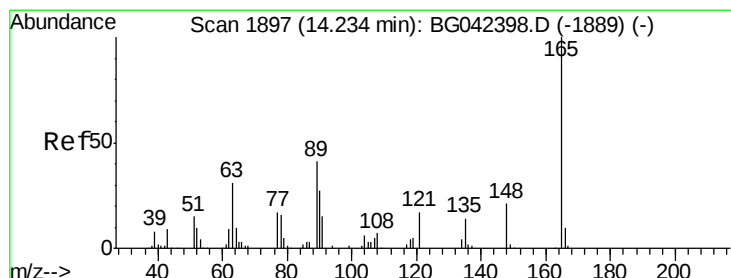
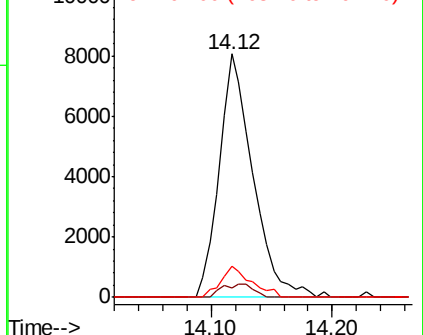
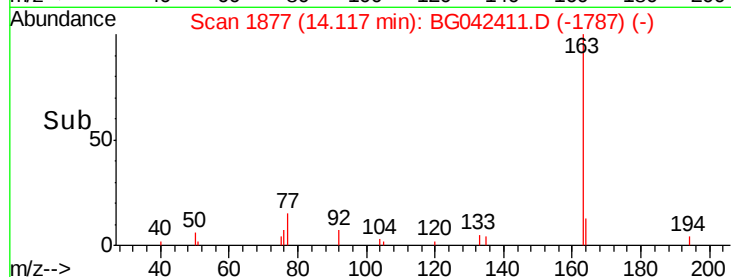
164 12.8 8.8 13.2



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: 7.683 ng

RT: 14.66 min Scan# 1970

Delta R.T. 0.43 min

Lab File: BG042411.D

Acq: 22 Aug 2019 21:32

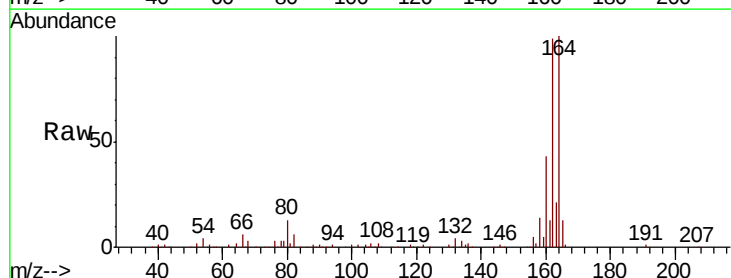
Tgt Ion:165 Resp: 21920

Ion Ratio Lower Upper

165 100

63 0.0 30.6 45.8#

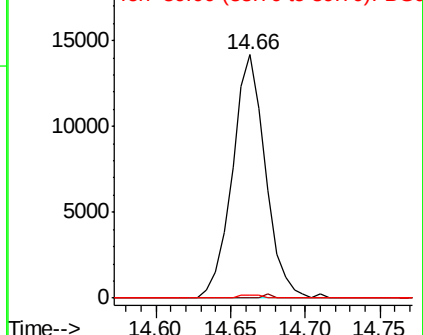
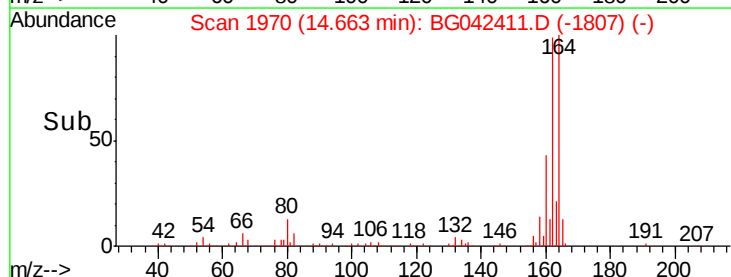
89 1.2 32.6 49.0#

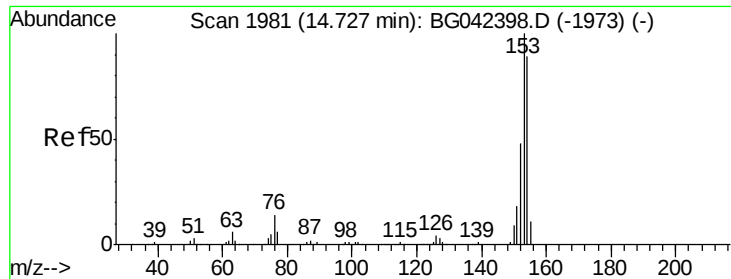


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#52

Acenaphthene

Concen: 0.054 ng

RT: 14.67 min Scan# 1971

Delta R.T. -0.06 min

Lab File: BG042411.D

Acq: 22 Aug 2019 21:32

Instrument :

BNA_G

ClientSampled :

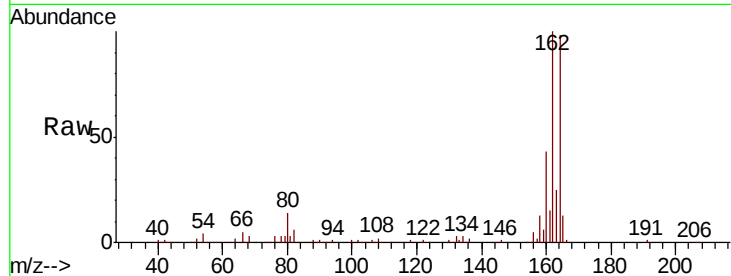
Tot Ion:154 Resp: 470

Ion Ratio Lower Upper

154 100

153 0.0 90.2 135.4#

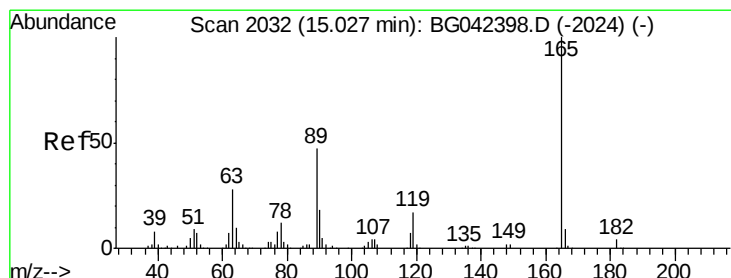
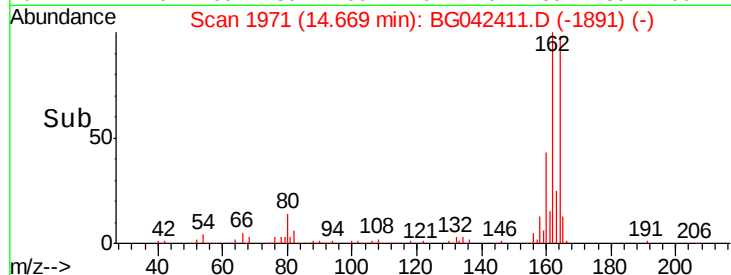
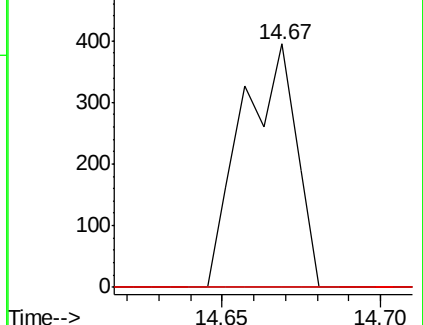
152 0.0 43.2 64.8#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

2,4-Dinitrotoluene

Concen: 5.365 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.36 min

Lab File: BG042411.D

Acq: 22 Aug 2019 21:32

Tgt Ion:165 Resp: 21920

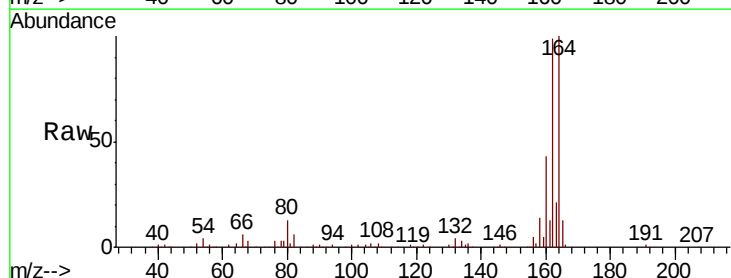
Ion Ratio Lower Upper

165 100

63 0.0 22.5 33.7#

89 1.2 37.8 56.6#

182 0.0 3.0 4.4#

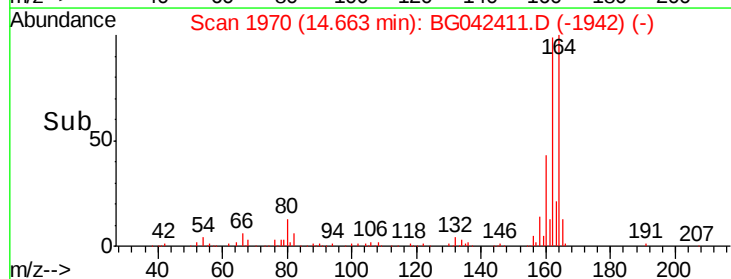
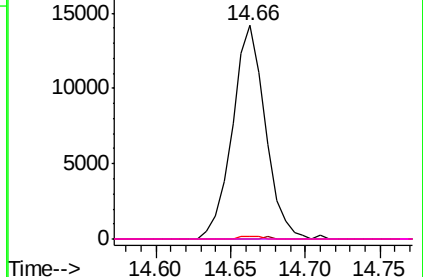


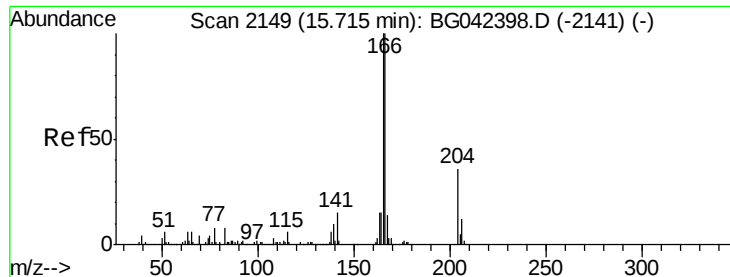
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#58

Fluorene

Concen: 1.067 ng

RT: 16.16 min Scan# 2224

Delta R.T. 0.44 min

Lab File: BG042411.D

Acq: 22 Aug 2019 21:32

Instrument :

BNA_G

ClientSampleId :

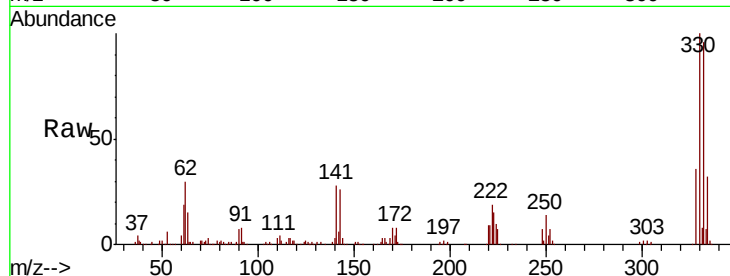
Tot Ion:166 Resp: 12543

Ion Ratio Lower Upper

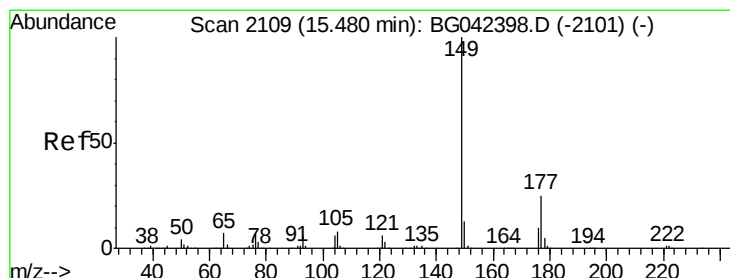
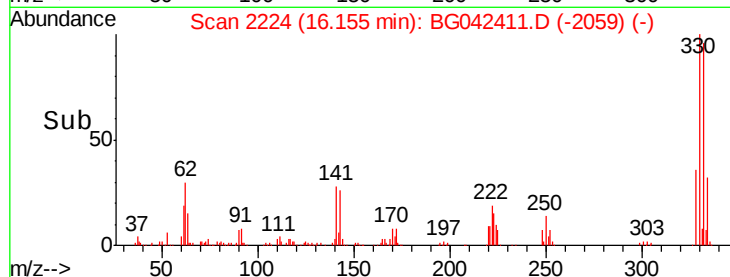
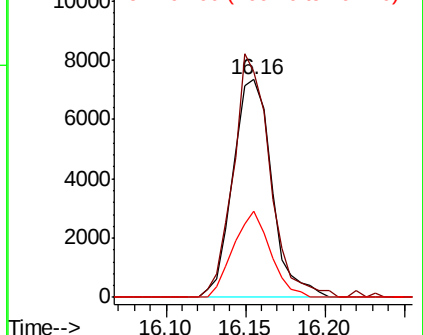
166 100

165 103.4 79.7 119.5

167 45.5 10.9 16.3#



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: 0.328 ng

RT: 15.47 min Scan# 2108

Delta R.T. -0.01 min

Lab File: BG042411.D

Acq: 22 Aug 2019 21:32

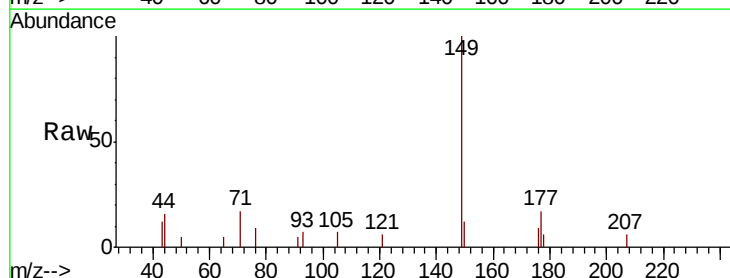
Tgt Ion:149 Resp: 3952

Ion Ratio Lower Upper

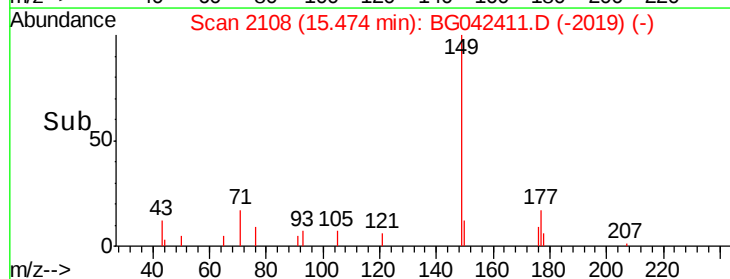
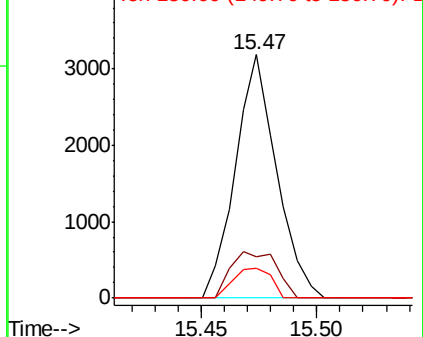
149 100

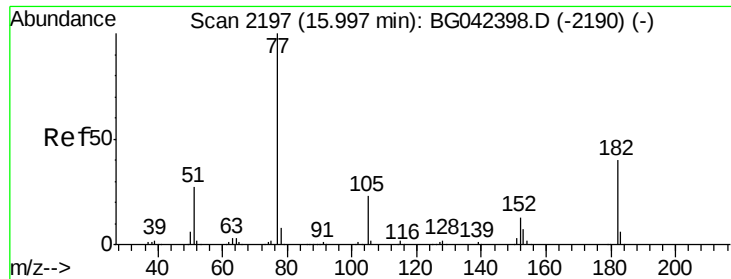
177 16.8 20.4 30.6#

150 12.5 10.3 15.5



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

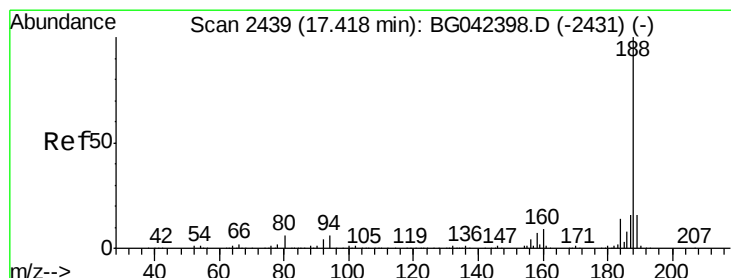
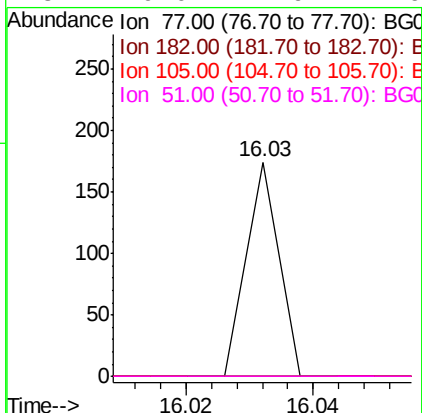
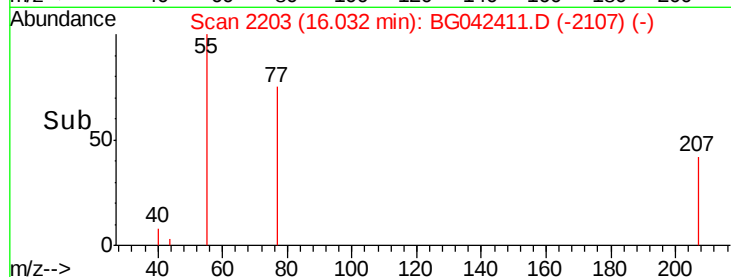
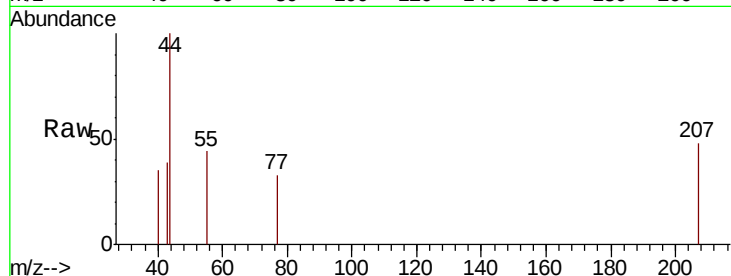




#63
Azobenzene
Concen: 0.007 ng
RT: 16.03 min Scan# 2203
Delta R.T. 0.04 min
Lab File: BG042411.D
Acq: 22 Aug 2019 21:32

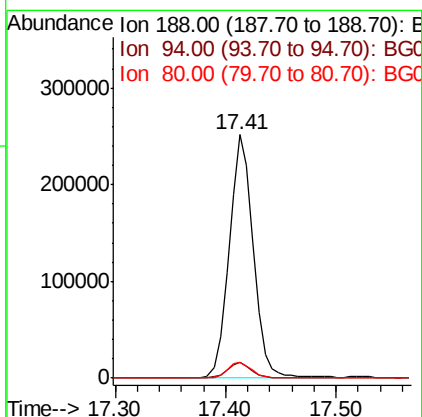
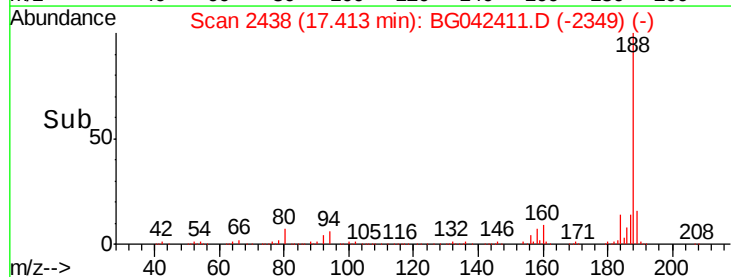
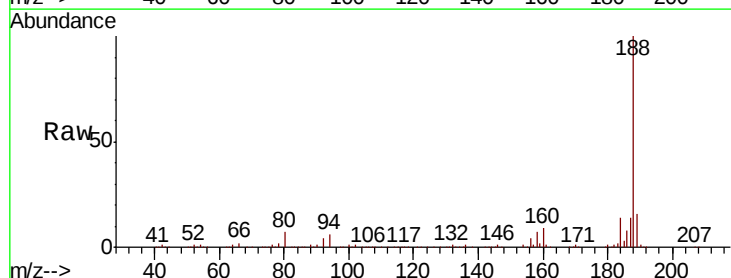
Instrument :
BNA_G
ClientSampled :

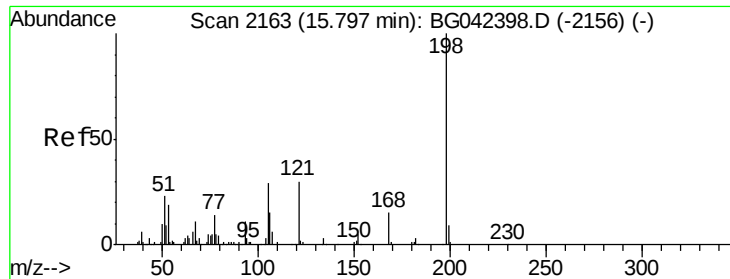
Tot Ion: 77 Resp: 61
Ion Ratio Lower Upper
77 100
182 0.0 19.9 59.9#
105 0.0 2.9 42.9#
51 0.0 7.6 47.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2438
Delta R.T. -0.01 min
Lab File: BG042411.D
Acq: 22 Aug 2019 21:32

Tgt Ion: 188 Resp: 384825
Ion Ratio Lower Upper
188 100
94 6.3 4.5 6.7
80 6.5 4.9 7.3





#65

4,6-Dinitro-2-methylphenol

Concen: 0.301 ng

RT: 16.15 min Scan# 2223

Delta R.T. 0.35 min

Lab File: BG042411.D

Acq: 22 Aug 2019 21:32

Instrument :

BNA_G

ClientSampleId :

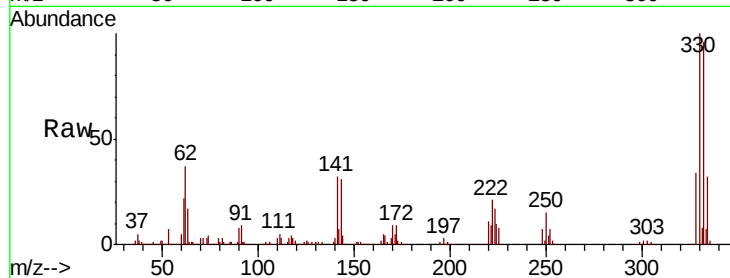
Tot Ion:198 Resp: 726

Ion Ratio Lower Upper

198 100

51 127.6 4.2 44.2#

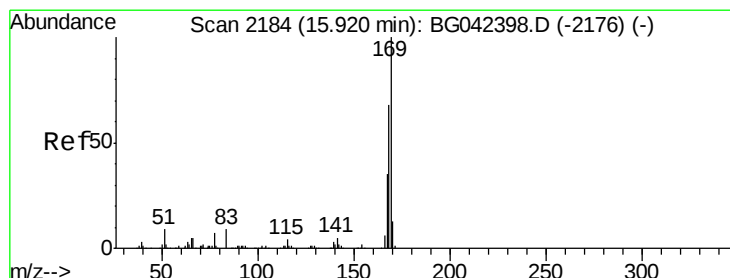
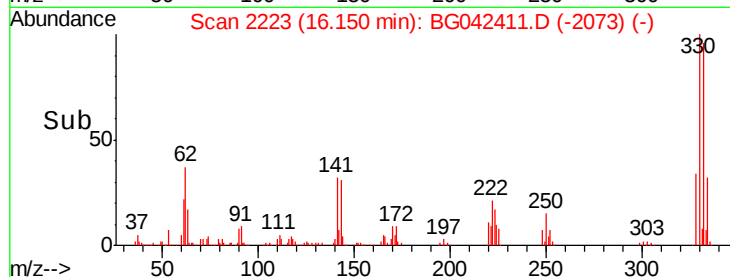
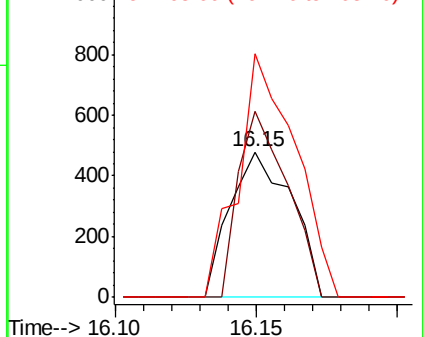
105 167.4 8.8 48.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 1.031 ng

RT: 16.16 min Scan# 2224

Delta R.T. 0.24 min

Lab File: BG042411.D

Acq: 22 Aug 2019 21:32

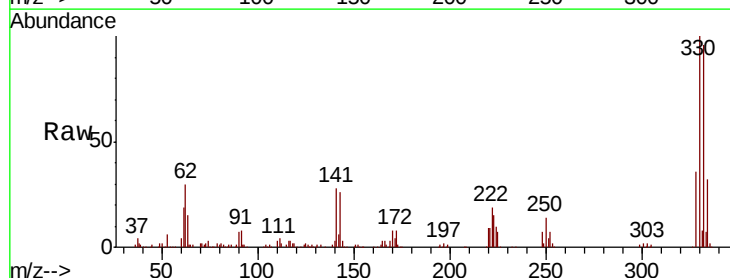
Tgt Ion:169 Resp: 10913

Ion Ratio Lower Upper

169 100

168 6.1 54.3 81.5#

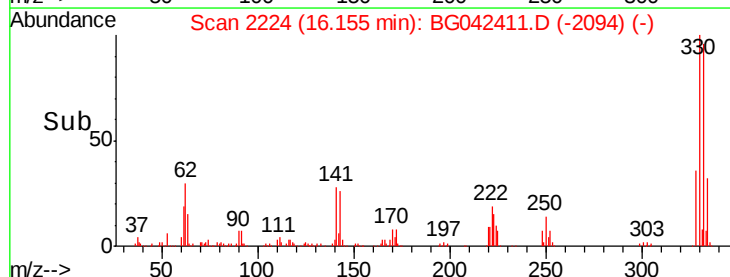
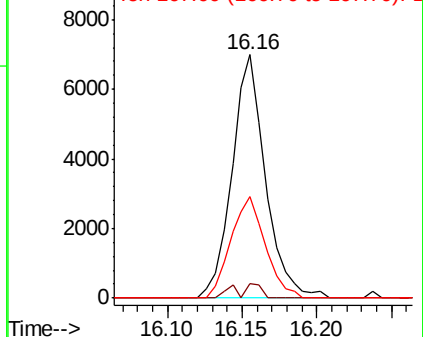
167 47.7 28.2 42.2#

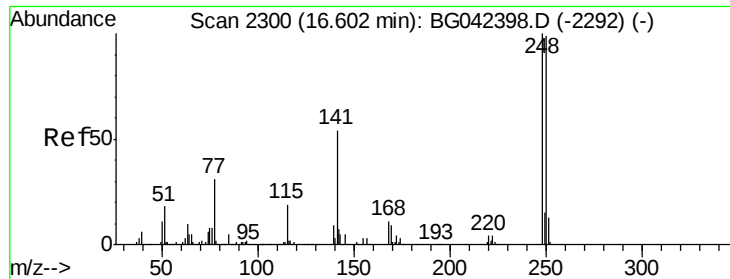


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

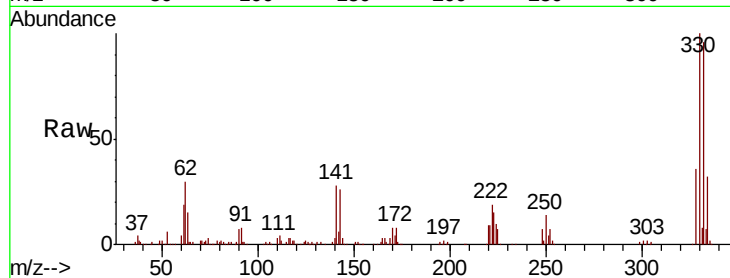




#67
 4-Bromophenyl-phenylether
 Concen: 5.072 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.45 min
 Lab File: BG042411.D
 Acq: 22 Aug 2019 21:32

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	195.9	78.9	118.3#
141	381.7	43.3	64.9#

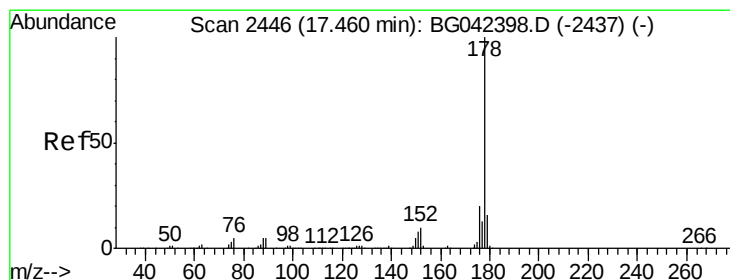
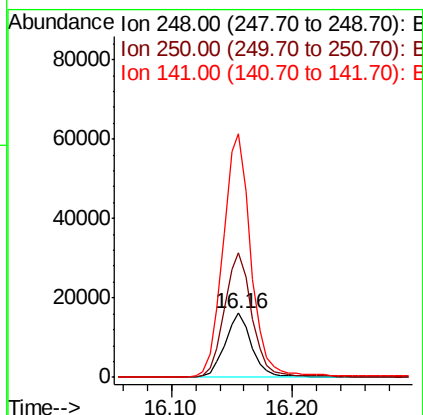
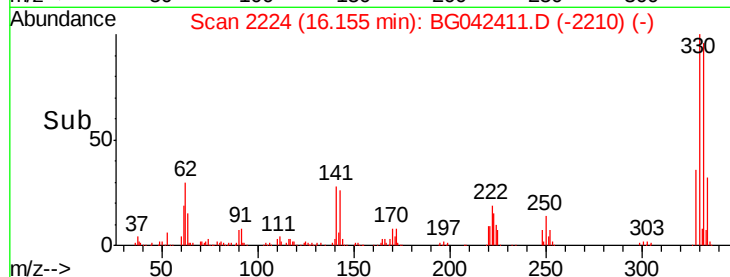


Abundance

Ion 248.00 (247.70 to 248.70): E

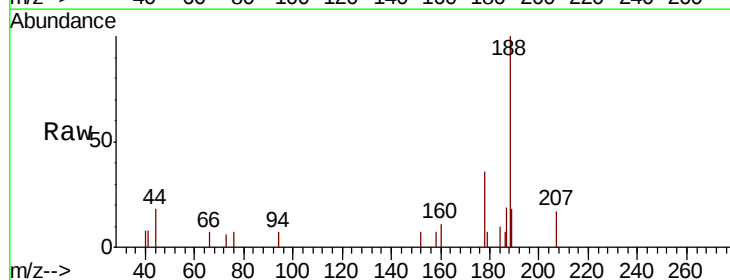
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#71
 Phenanthrene
 Concen: 0.081 ng
 RT: 17.46 min Scan# 2446
 Delta R.T. 0.00 min
 Lab File: BG042411.D
 Acq: 22 Aug 2019 21:32

Tgt Ion	Ratio	Lower	Upper
178	100		
176	0.0	15.9	23.9#
179	19.3	12.7	19.1#

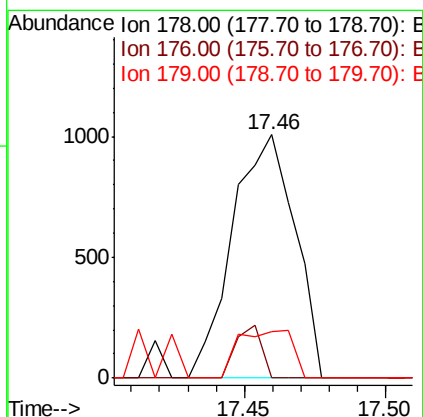
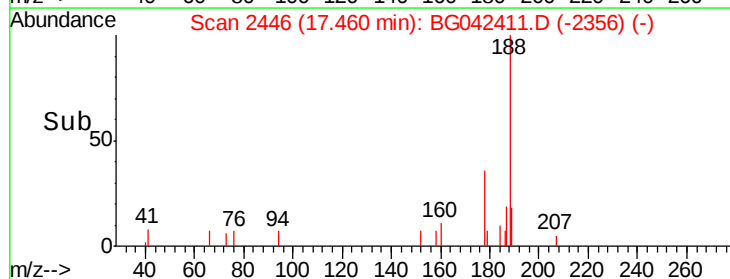


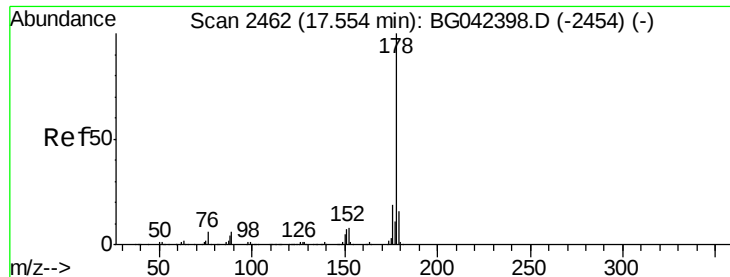
Abundance

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: 0.008 ng

RT: 17.55 min Scan# 2461

Delta R.T. -0.01 min

Lab File: BG042411.D

Acq: 22 Aug 2019 21:32

Instrument :

BNA_G

ClientSampleId :

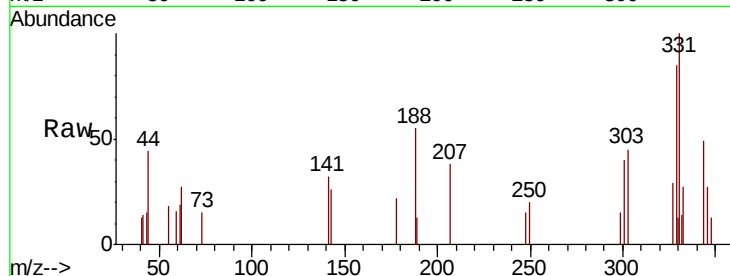
Tot Ion:178 Resp: 146

Ion Ratio Lower Upper

178 100

176 0.0 15.5 23.3#

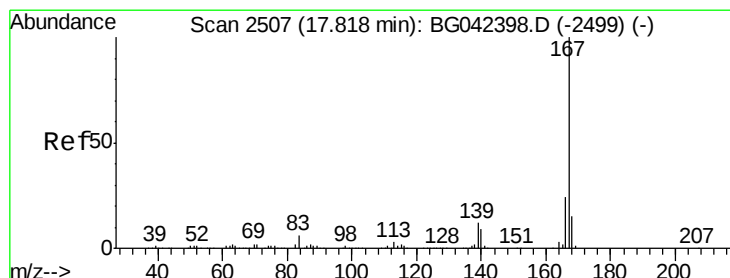
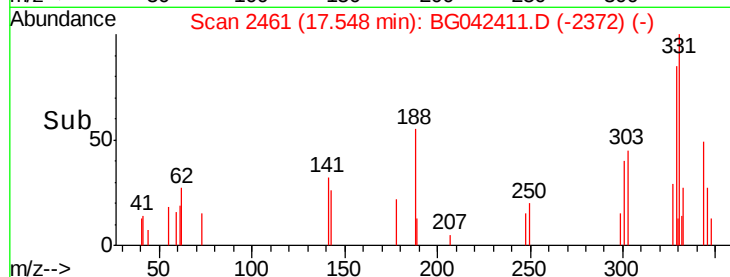
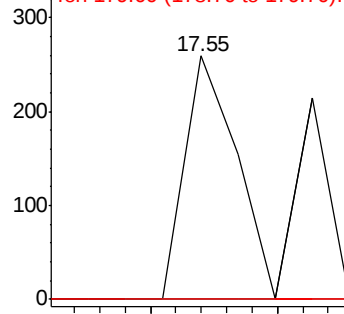
179 0.0 12.9 19.3#



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



#73

Carbazole

Concen: 0.004 ng

RT: 17.83 min Scan# 2509

Delta R.T. 0.01 min

Lab File: BG042411.D

Acq: 22 Aug 2019 21:32

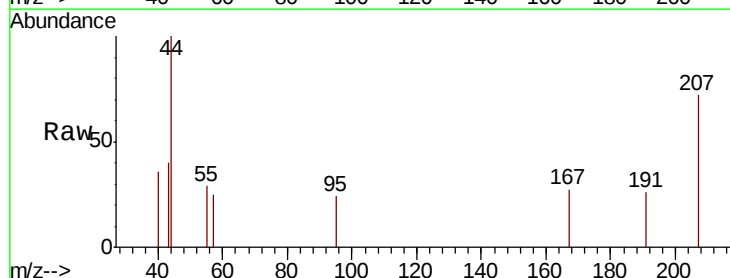
Tgt Ion:167 Resp: 60

Ion Ratio Lower Upper

167 100

166 0.0 18.9 28.3#

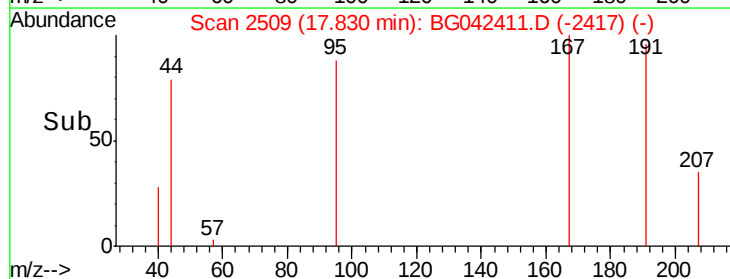
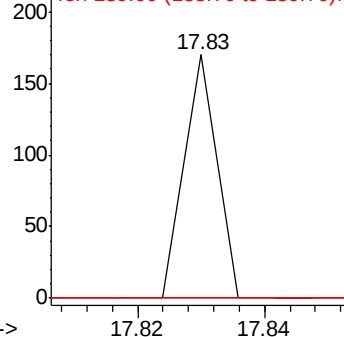
139 0.0 9.8 14.6#

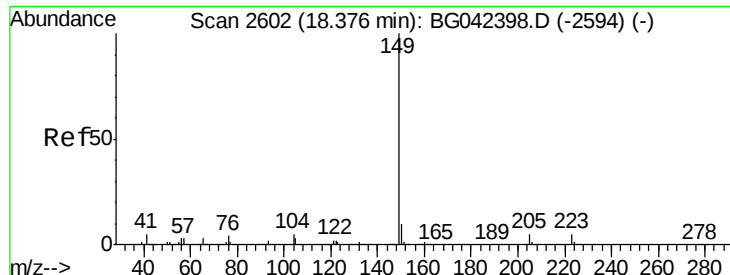


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

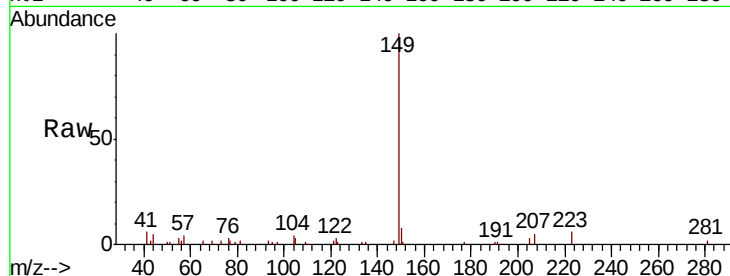




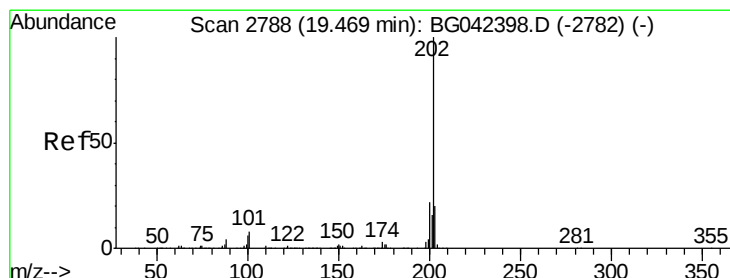
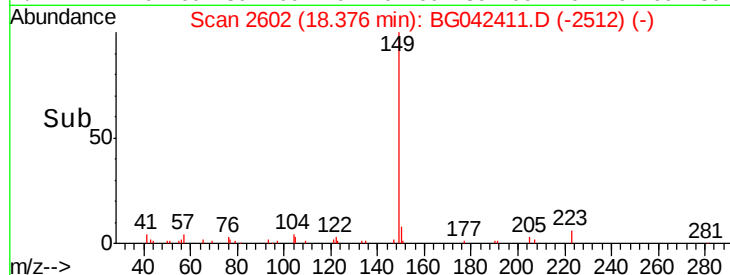
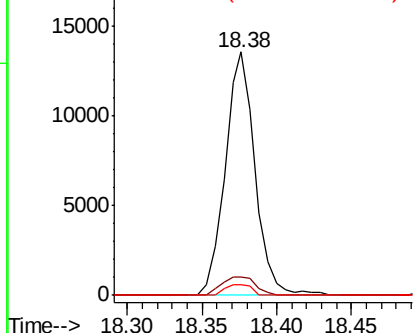
#74
Di-n-butylphthalate
Concen: 0.942 ng
RT: 18.38 min Scan# 2602
Delta R.T. 0.00 min
Lab File: BG042411.D
Acq: 22 Aug 2019 21:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion:149 Resp: 18929
Ion Ratio Lower Upper
149 100
150 7.6 8.1 12.1#
104 4.1 3.7 5.5

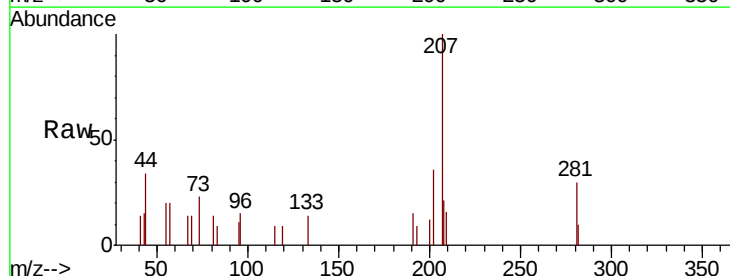


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E

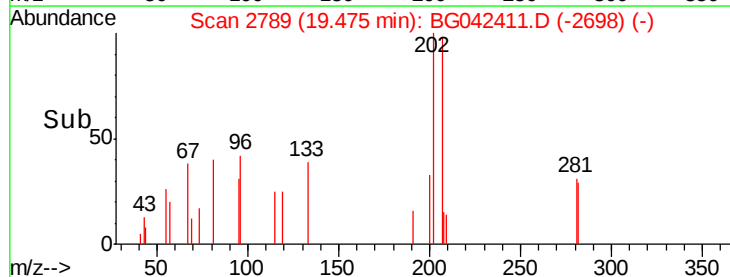
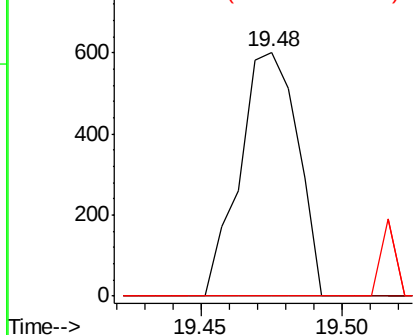


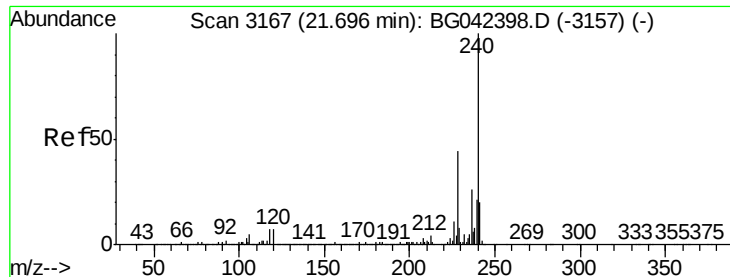
#75
Fluoranthene
Concen: 0.037 ng
RT: 19.48 min Scan# 2789
Delta R.T. 0.01 min
Lab File: BG042411.D
Acq: 22 Aug 2019 21:32

Tgt Ion:202 Resp: 852
Ion Ratio Lower Upper
202 100
101 0.0 0.0 28.3
203 0.0 0.0 39.6



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.69 min Scan# 3166

Delta R.T. -0.01 min

Lab File: BG042411.D

Acq: 22 Aug 2019 21:32

Instrument :

BNA_G

ClientSampleId :

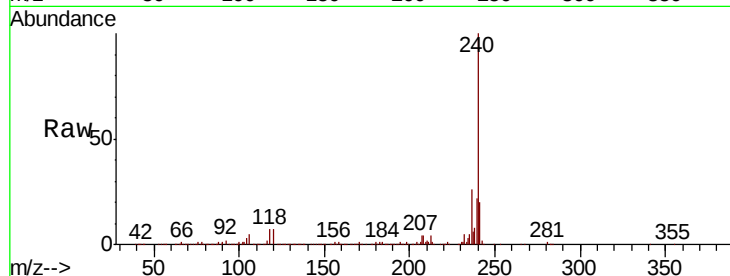
Tot Ion:240 Resp: 400258

Ion Ratio Lower Upper

240 100

120 6.8 5.7 8.5

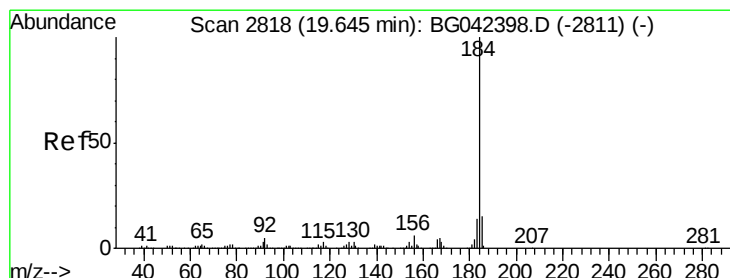
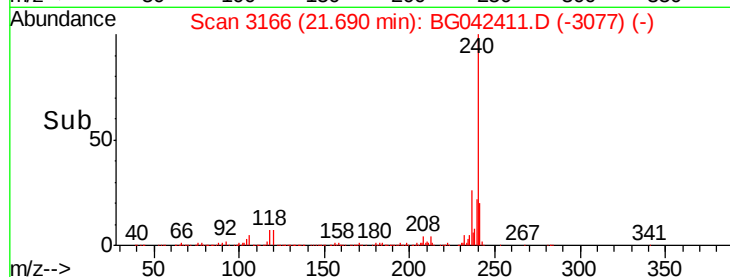
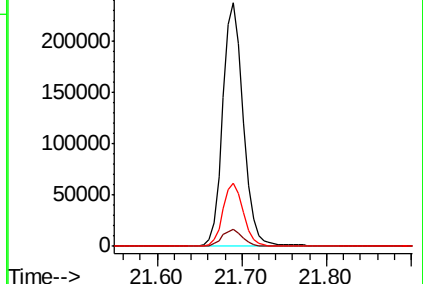
236 26.2 21.0 31.4



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: 2.315 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.38 min

Lab File: BG042411.D

Acq: 22 Aug 2019 21:32

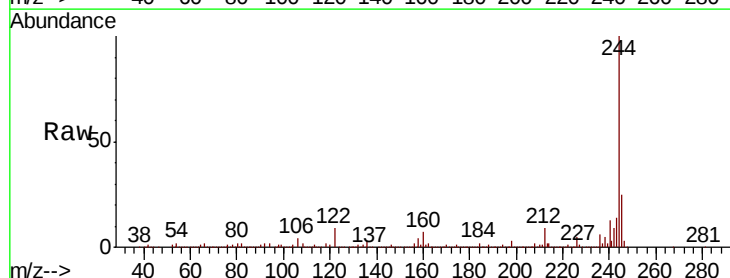
Tgt Ion:184 Resp: 26563

Ion Ratio Lower Upper

184 100

185 16.1 12.2 18.4

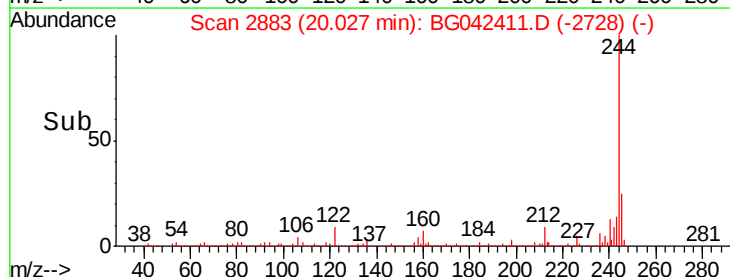
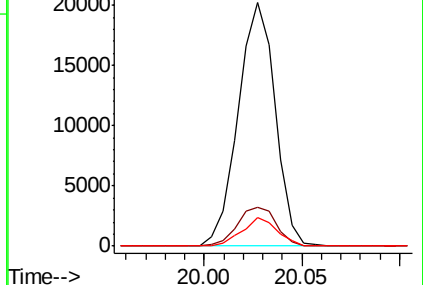
183 11.6 10.8 16.2

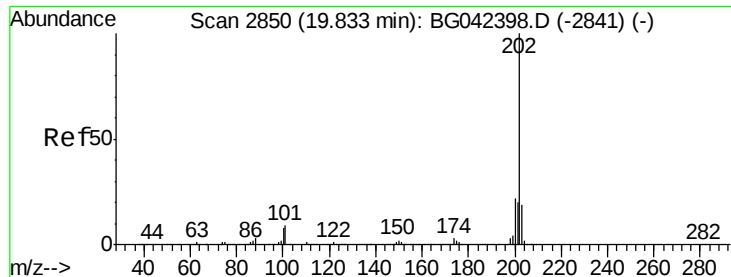


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

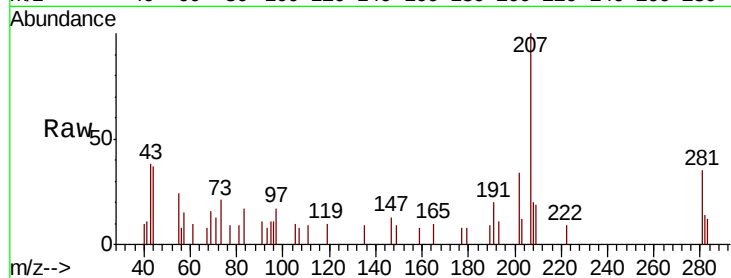




#78
Pvrene
Concen: 0.049 ng
RT: 19.84 min Scan# 2851
Delta R.T. 0.01 min
Lab File: BG042411.D
Acq: 22 Aug 2019 21:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	0.0	17.8	26.6#
203	33.7	15.5	23.3#

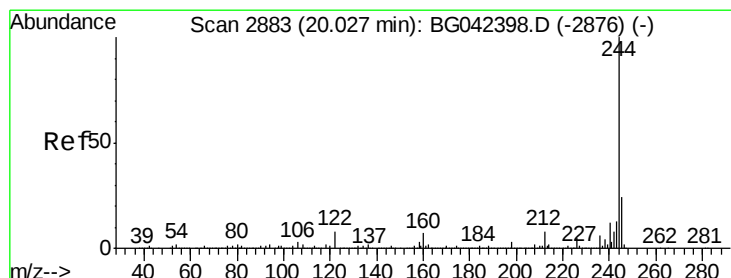
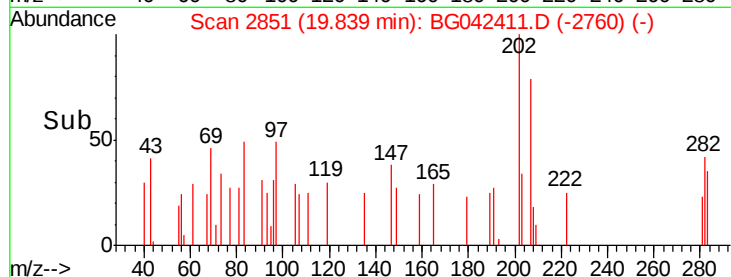
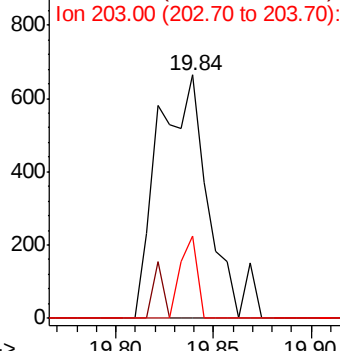


Abundance

Ion 202.00 (201.70 to 202.70): E

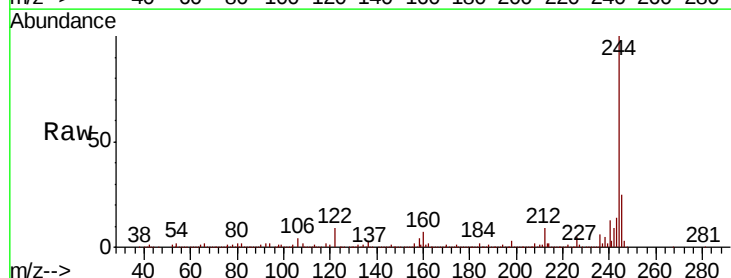
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 99.898 ng
RT: 20.03 min Scan# 2883
Delta R.T. 0.00 min
Lab File: BG042411.D
Acq: 22 Aug 2019 21:32

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.7	6.0	9.0
122	9.4	6.7	10.1

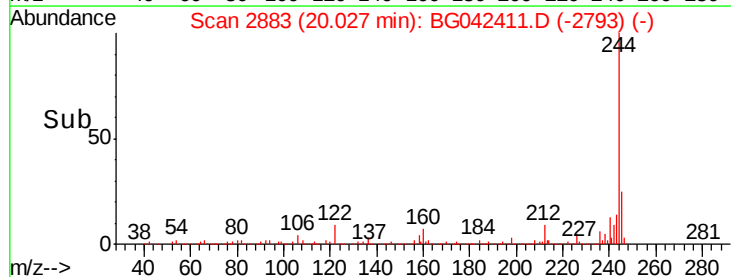
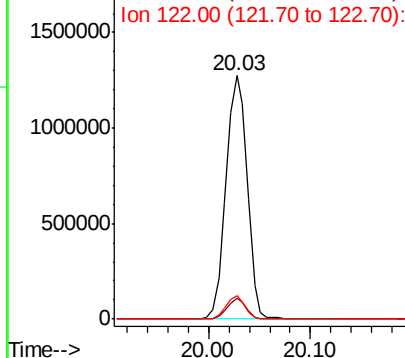


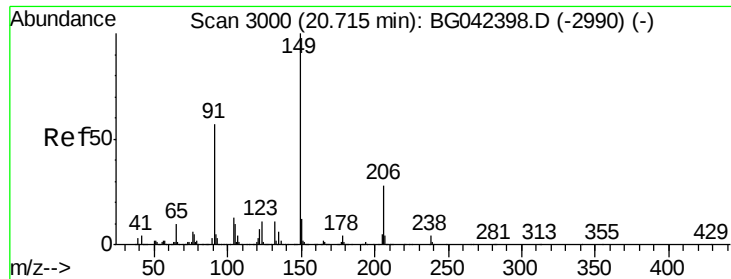
Abundance

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

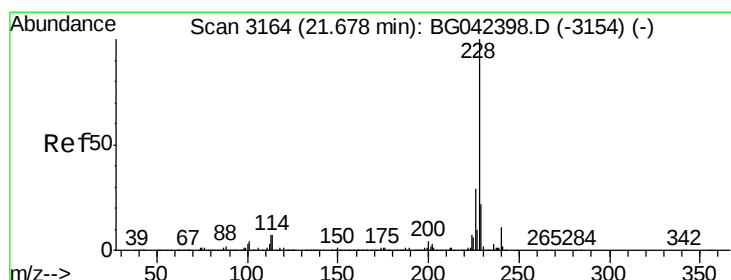
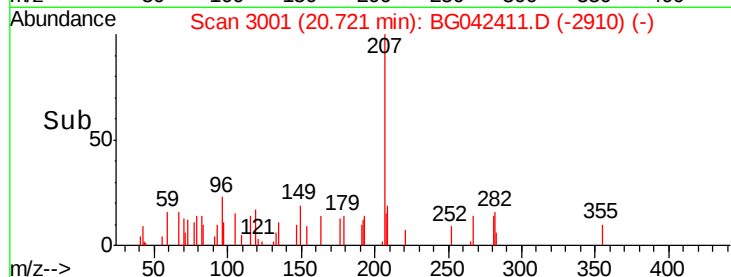
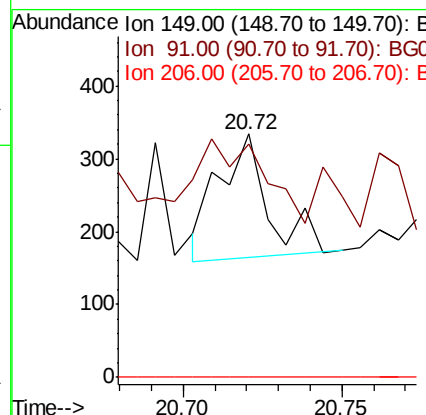
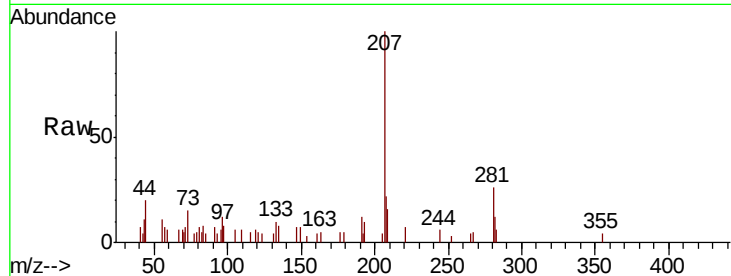




#80
Butylbenzylphthalate
Concen: 0.019 ng
RT: 20.72 min Scan# 3001
Delta R.T. 0.01 min
Lab File: BG042411.D
Acq: 22 Aug 2019 21:32

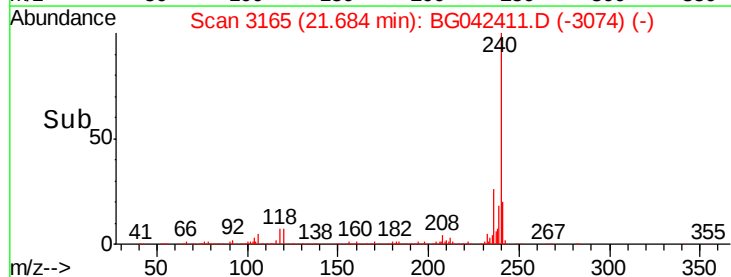
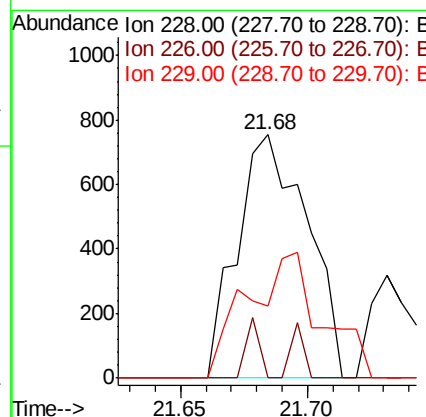
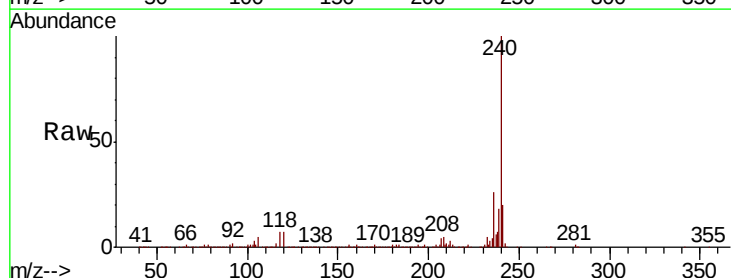
Instrument :
BNA_G
ClientSampled :

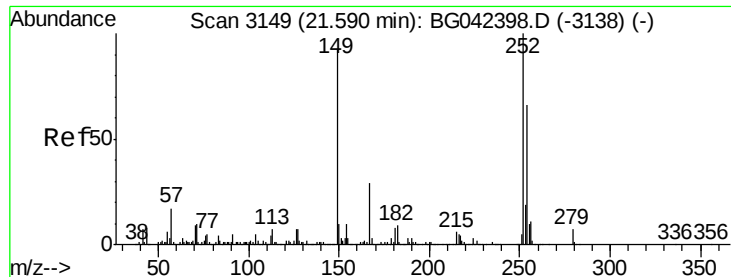
Tot Ion:149 Resp: 183
Ion Ratio Lower Upper
149 100
91 95.8 45.9 68.9#
206 0.0 22.5 33.7#



#81
Benzo(a)anthracene
Concen: 0.060 ng
RT: 21.68 min Scan# 3165
Delta R.T. 0.01 min
Lab File: BG042411.D
Acq: 22 Aug 2019 21:32

Tgt Ion:228 Resp: 1454
Ion Ratio Lower Upper
228 100
226 0.0 23.4 35.2#
229 29.8 17.4 26.2#

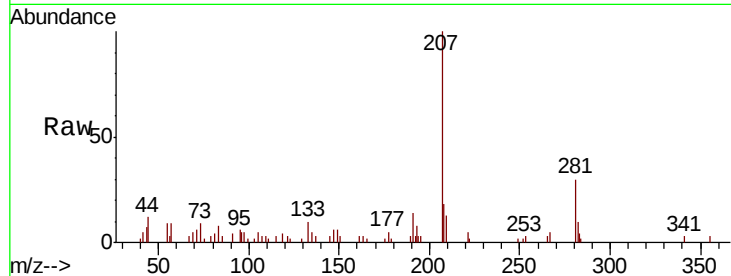




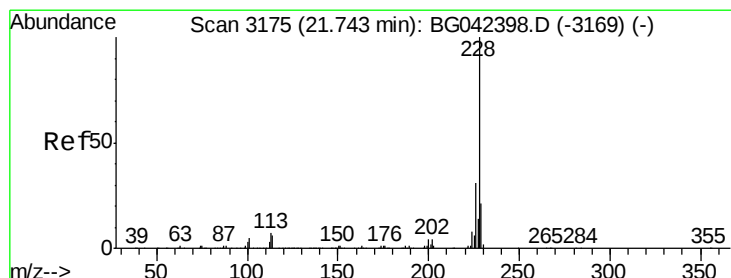
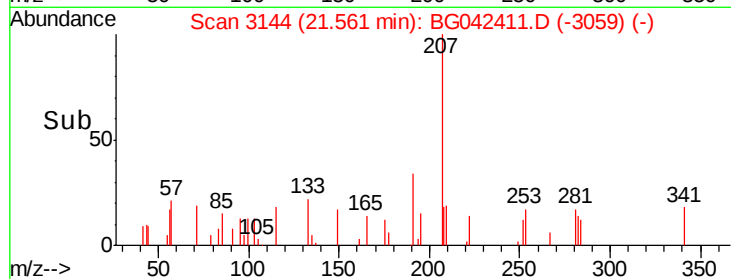
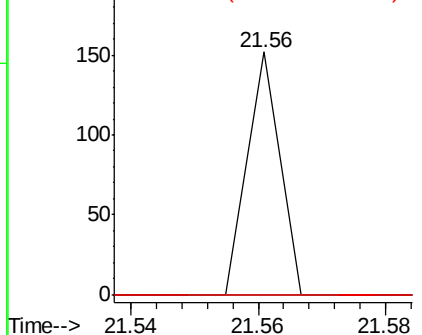
#82
 3,3'-Dichlorobenzidine
 Concen: 0.006 ng
 RT: 21.56 min Scan# 3144
 Delta R.T. -0.03 min
 Lab File: BG042411.D
 Acq: 22 Aug 2019 21:32

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:252 Resp: 54
 Ion Ratio Lower Upper
 252 100
 254 0.0 53.0 79.4#
 126 0.0 5.7 8.5#

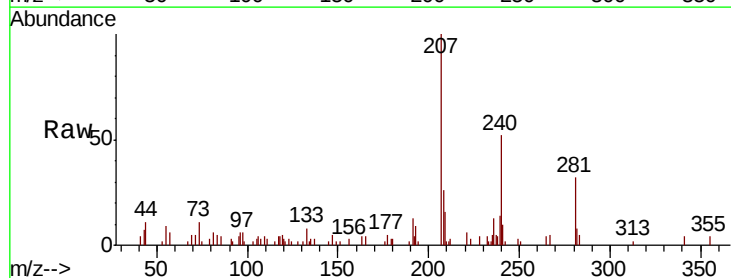


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

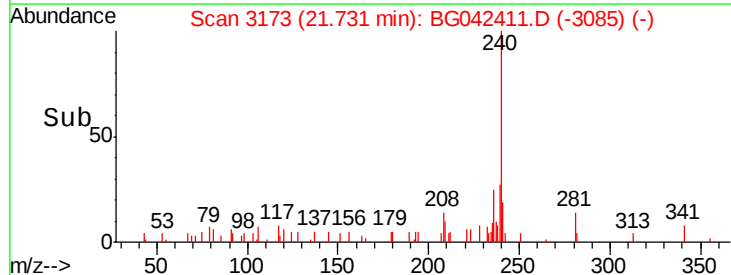
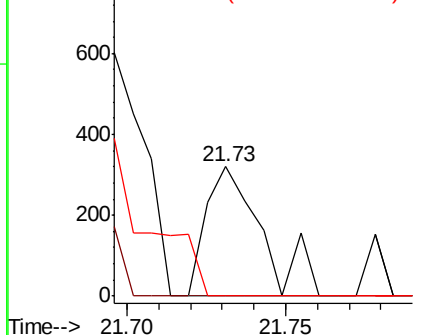


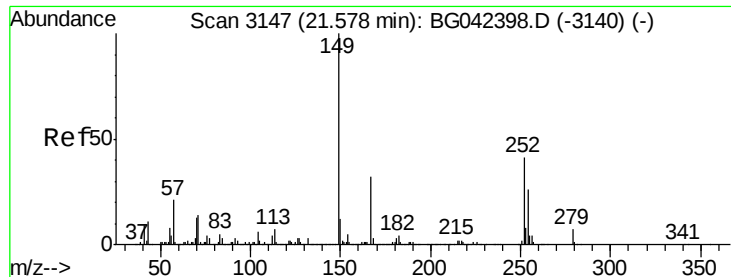
#83
 Chrysene
 Concen: 0.017 ng
 RT: 21.73 min Scan# 3173
 Delta R.T. -0.01 min
 Lab File: BG042411.D
 Acq: 22 Aug 2019 21:32

Tgt Ion:228 Resp: 390
 Ion Ratio Lower Upper
 228 100
 226 0.0 24.9 37.3#
 229 0.0 16.9 25.3#



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: 0.157 ng

RT: 21.57 min Scan# 3146

Delta R.T. -0.01 min

Lab File: BG042411.D

Acq: 22 Aug 2019 21:32

Instrument :

BNA_G

ClientSampleId :

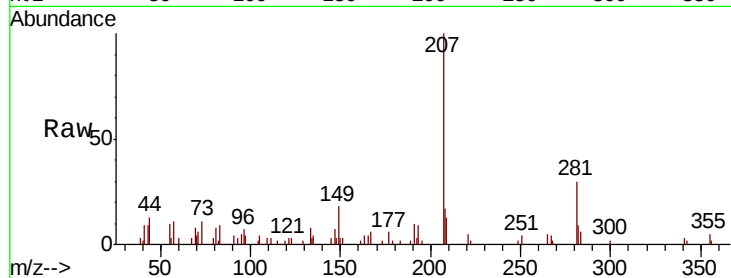
Tot Ion:149 Resp: 2102

Ion Ratio Lower Upper

149 100

167 30.9 26.0 39.0

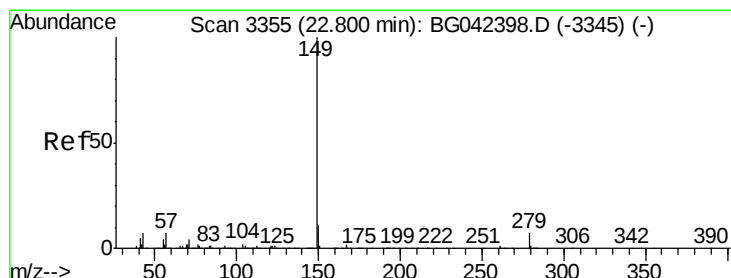
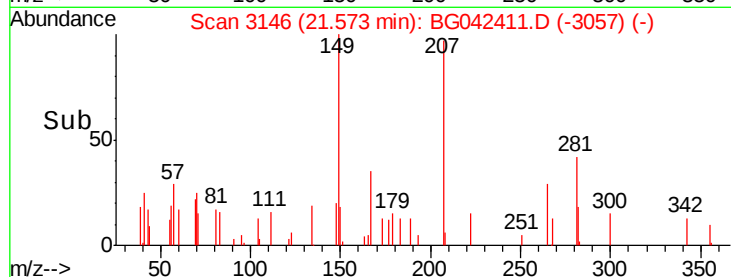
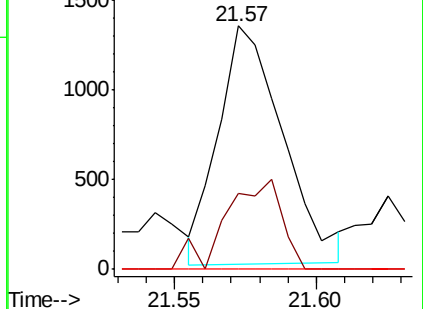
279 0.0 5.4 8.0#



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: 0.026 ng

RT: 22.79 min Scan# 3354

Delta R.T. -0.01 min

Lab File: BG042411.D

Acq: 22 Aug 2019 21:32

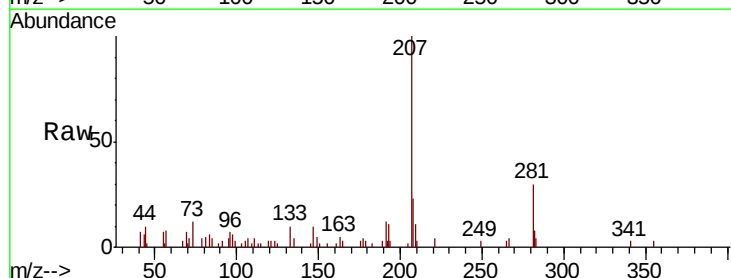
Tgt Ion:149 Resp: 590

Ion Ratio Lower Upper

149 100

167 0.0 1.6 2.4#

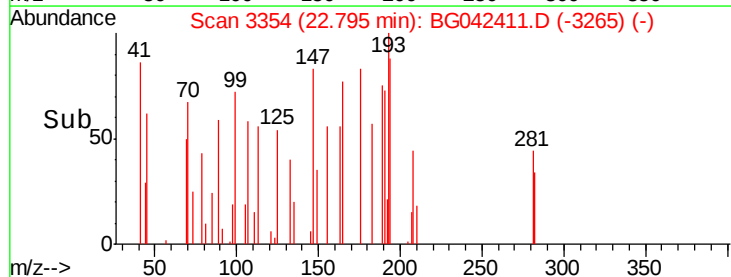
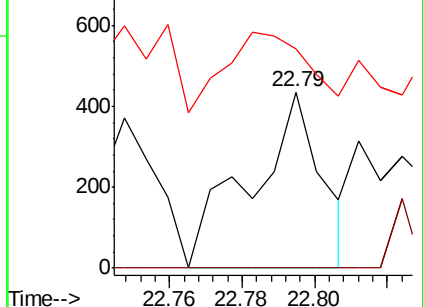
43 0.0 5.3 7.9#

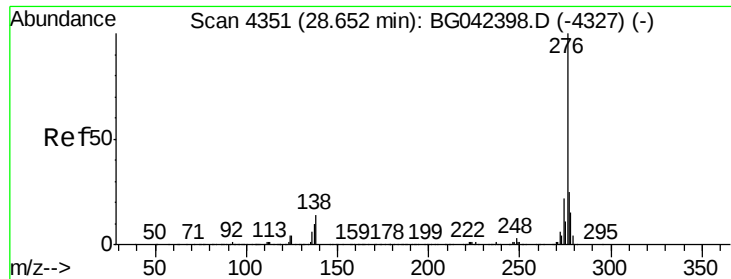


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC

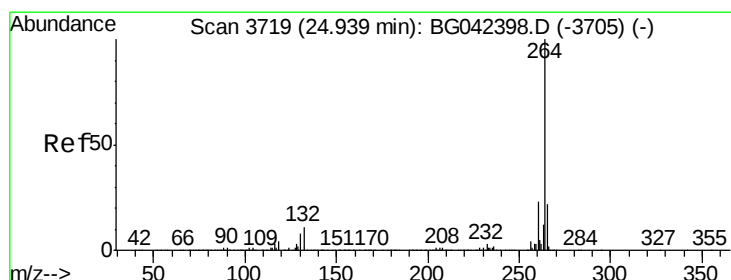
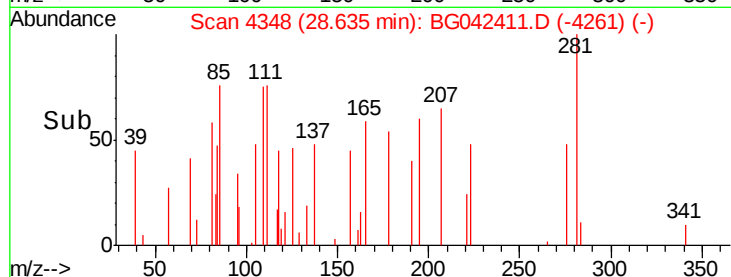
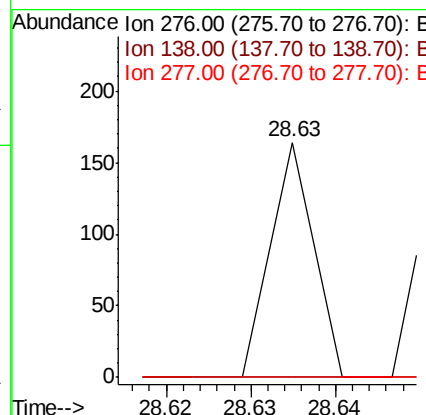
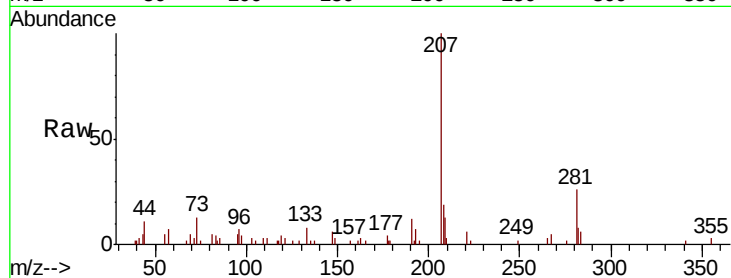




#86
Indeno(1,2,3-cd)pyrene
Concen: 0.002 ng
RT: 28.63 min Scan# 4348
Delta R.T. -0.02 min
Lab File: BG042411.D
Acq: 22 Aug 2019 21:32

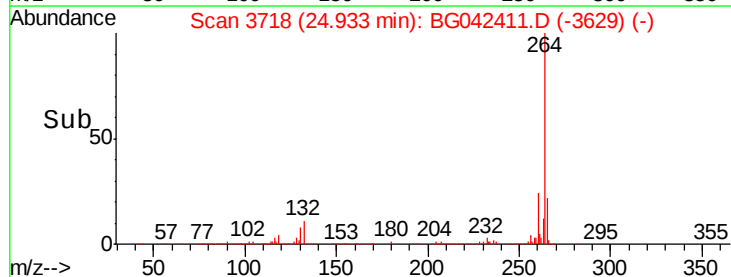
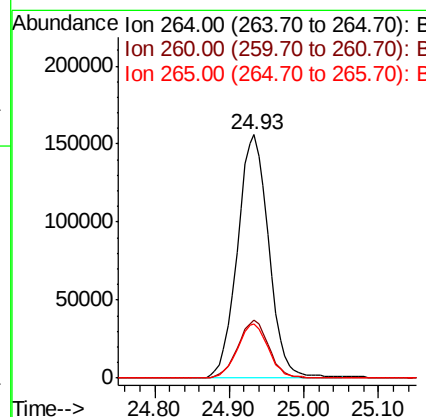
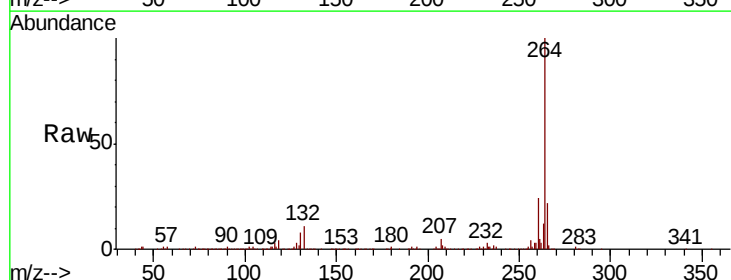
Instrument :
BNA_G
ClientSampleId :

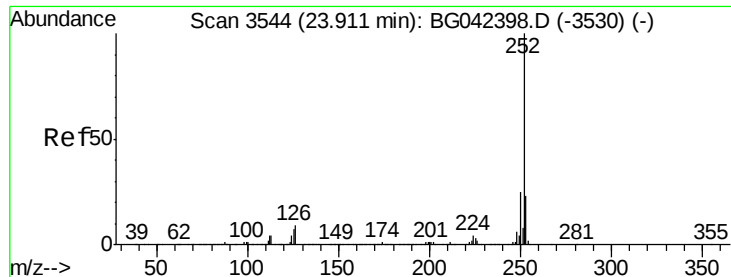
Tot Ion	Ratio	Lower	Upper
276	100		
138	0.0	9.2	13.8#
277	0.0	21.0	31.6#



#87
Perylene-d12
Concen: 20.000 ng
RT: 24.93 min Scan# 3718
Delta R.T. -0.01 min
Lab File: BG042411.D
Acq: 22 Aug 2019 21:32

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.5	27.7
265	22.0	17.6	26.4

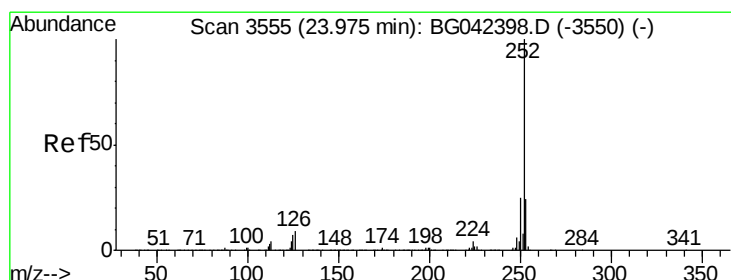
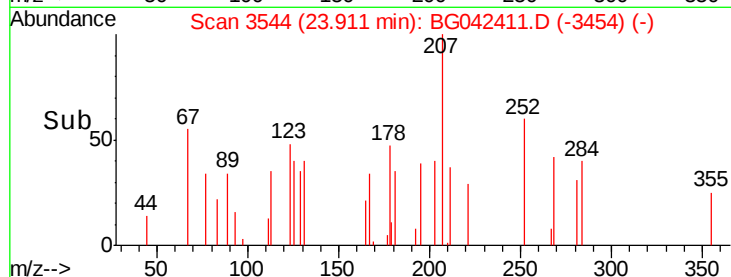
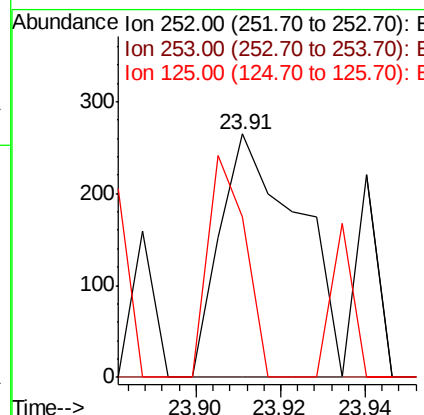
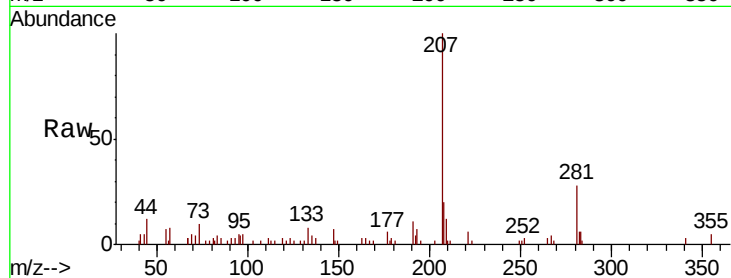




#88
Benzo(b)fluoranthene
Concen: 0.014 ng
RT: 23.91 min Scan# 3544
Delta R.T. 0.00 min
Lab File: BG042411.D
Acq: 22 Aug 2019 21:32

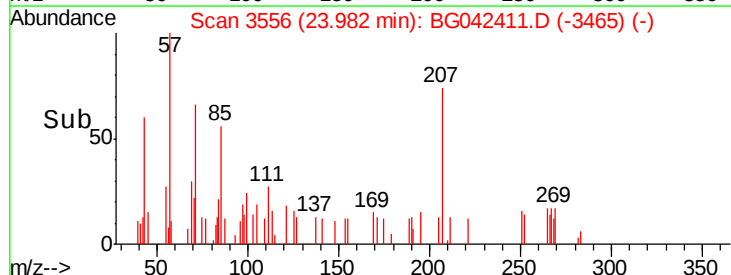
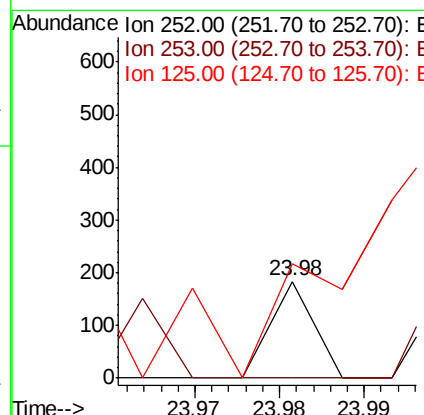
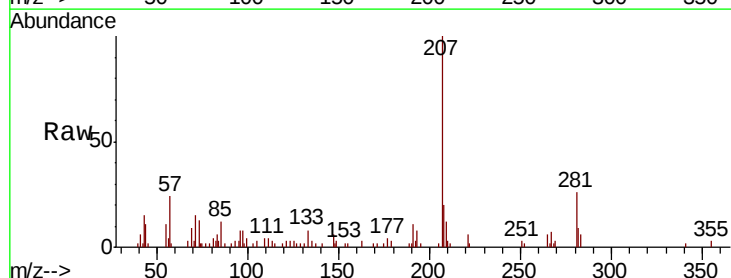
Instrument :
BNA_G
ClientSampled :

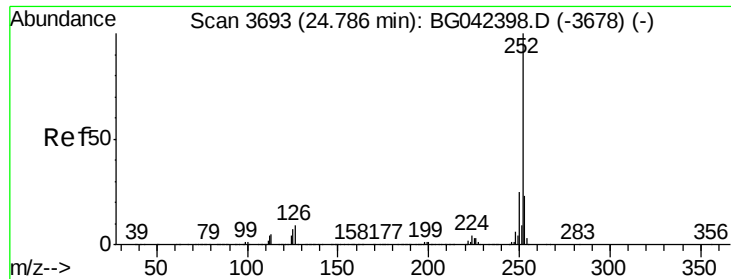
Tot Ion	Ratio	Lower	Upper
252	100		
253	0.0	18.6	27.8#
125	66.0	5.6	8.4#



#89
Benzo(k)fluoranthene
Concen: 0.003 ng
RT: 23.98 min Scan# 3556
Delta R.T. 0.01 min
Lab File: BG042411.D
Acq: 22 Aug 2019 21:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	0.0	18.6	27.8#
125	117.9	5.8	8.6#

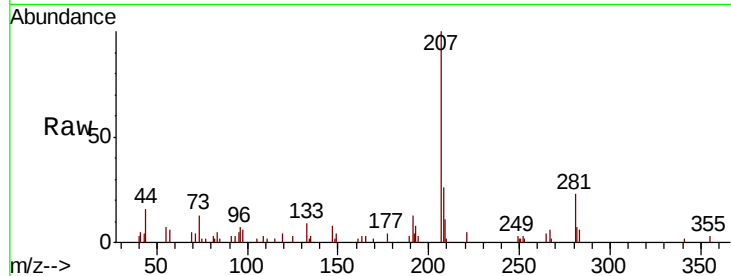




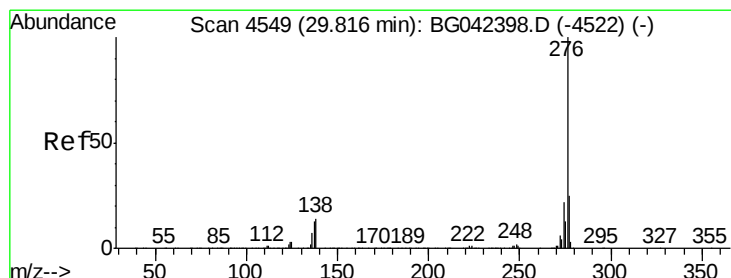
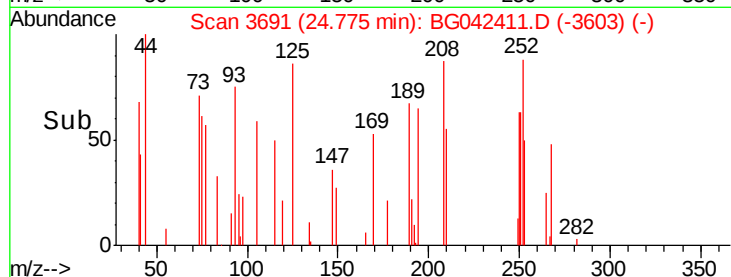
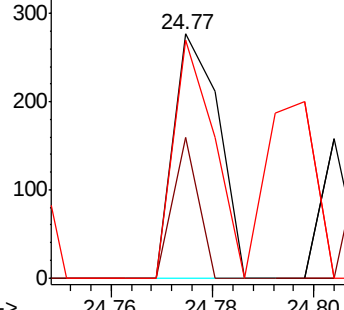
#90
Benzo(a)pyrene
Concen: 0.007 ng
RT: 24.77 min Scan# 3691
Delta R.T. -0.01 min
Lab File: BG042411.D
Acq: 22 Aug 2019 21:32

Instrument :
BNA_G
ClientSampled :

Tot Ion:252 Resp: 172
Ion Ratio Lower Upper
252 100
253 57.4 18.4 27.6#
125 97.5 6.0 9.0#

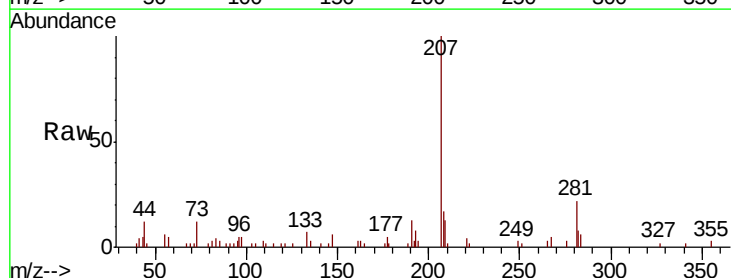


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 0.003 ng
RT: 29.79 min Scan# 4545
Delta R.T. -0.02 min
Lab File: BG042411.D
Acq: 22 Aug 2019 21:32

Tgt Ion:276 Resp: 82
Ion Ratio Lower Upper
276 100
277 0.0 19.8 29.8#
138 0.0 11.4 17.0#



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

