

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082219\
 Data File : BG042409.D
 Acq On : 22 Aug 2019 20:15
 Operator : HP/JU
 Sample : K4331-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 23 02:35:43 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	8.01	152	51574	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	203779	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	156475	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	350475	20.00	ng	0.00
76) Chrysene-d12	21.69	240	357835	20.00	ng	0.00
87) Perylene-d12	24.93	264	411546	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	216375	84.97	ng	0.00
7) Phenol-d6	7.20	99	214386	62.33	ng	0.03
23) Nitrobenzene-d5	9.17	82	315278	106.91	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	332877	149.67	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1002824	108.39	ng	0.00
79) Terphenyl-d14	20.03	244	1642026	99.21	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.12	88	16966	15.965	ng	# 1
3) Pyridine	4.33	79	56	0.021	ng	# 1
4) n-Nitrosodimethylamine	3.75	42	431	0.443	ng	# 1
6) Aniline	7.24	93	62	0.014	ng	# 1
10) Phenol	7.19	94	3247	0.928	ng	# 1
11) bis(2-Chloroethyl)ether	7.54	93	475	0.173	ng	# 1
15) Benzyl Alcohol	8.33	79	4950	2.000	ng	# 38
19) n-Nitroso-di-n-propylamine	9.17	70	41329	18.546	ng	# 76
20) 3+4-Methylphenols	8.90	107	135	0.038	ng	# 21
22) Acetophenone	8.83	105	383	0.088	ng	# 54
24) Nitrobenzene	9.18	77	977	0.327	ng	# 33
25) Isophorone	9.47	82	234418	40.280	ng	# 83
26) 2-Nitrophenol	9.47	139	85867	45.886	ng	# 1
31) Naphthalene	10.87	128	150	0.016	ng	# 68
37) 2-Methylnaphthalene	12.50	142	127	0.017	ng	# 6
38) 1-Methylnaphthalene	12.50	142	127	0.018	ng	# 5
46) 1,1'-Biphenyl	13.49	154	1275	0.126	ng	# 90
48) 2-Nitroaniline	13.75	65	74	0.035	ng	# 1
50) Dimethylphthalate	14.11	163	69244	6.133	ng	# 99
51) 2,6-Dinitrotoluene	14.20	165	821	0.314	ng	# 36
52) Acenaphthene	14.66	154	326	0.041	ng	# 4
55) Dibenzofuran	15.06	168	82	0.006	ng	# 48
57) 2,4-Dinitrotoluene	14.66	165	19587	5.227	ng	# 40
58) Fluorene	16.16	166	12461	1.156	ng	# 83
60) Diethylphthalate	15.47	149	5107	0.463	ng	# 91
63) Azobenzene	16.02	77	761	0.101	ng	# 49
65) 4,6-Dinitro-2-methylphenol	16.16	198	661	0.301	ng	# 1
66) n-Nitrosodiphenylamine	16.16	169	10063	1.044	ng	# 51
67) 4-Bromophenyl-phenylether	16.16	248	23561	5.300	ng	# 1
71) Phenanthrene	17.45	178	642	0.037	ng	# 59
72) Anthracene	17.55	178	66	0.004	ng	# 60
73) Carbazole	17.68	167	1035	0.067	ng	# 58
74) Di-n-butylphthalate	18.38	149	2619	0.143	ng	# 92
75) Fluoranthene	19.47	202	435	0.020	ng	# 63

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 ALS Vial : 6 Sample Multiplier: 1

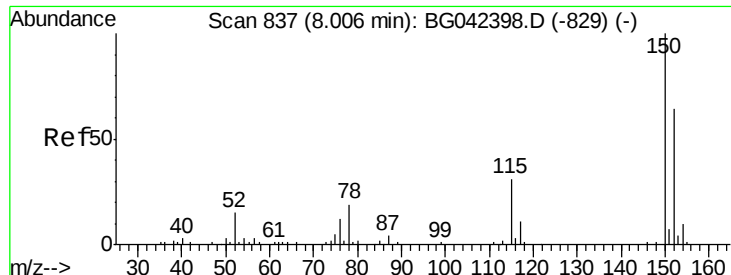
Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 23 02:35:43 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

77) Benzidine	20.03	184	22653	2.208	ng	# 93
78) Pyrene	19.83	202	449	0.020	ng	# 55
80) Butylbenzylphthalate	20.71	149	236	0.027	ng	# 53
81) Benzo(a)anthracene	21.69	228	1331	0.061	ng	# 52
82) 3,3'-Dichlorobenzidine	21.59	252	57	0.007	ng	# 23
83) Chrysene	21.74	228	461	0.022	ng	# 48
84) Bis(2-ethylhexyl)phthalate	21.57	149	3814	0.318	ng	# 95
85) Di-n-octyl phthalate	22.79	149	646	0.031	ng	# 80
86) Indeno(1,2,3-cd)pyrene	28.70	276	54	0.002	ng	# 55
88) Benzo(b)fluoranthene	23.92	252	374	0.017	ng	# 10
89) Benzo(k)fluoranthene	23.99	252	448	0.021	ng	# 59
90) Benzo(a)pyrene	24.77	252	139	0.006	ng	# 1
92) Benzo(a,h,i)perylene	29.81	276	113	0.005	ng	# 1

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

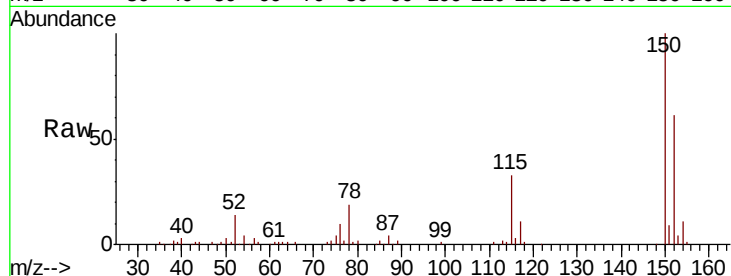


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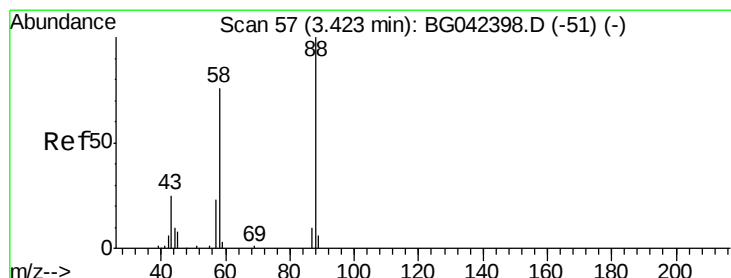
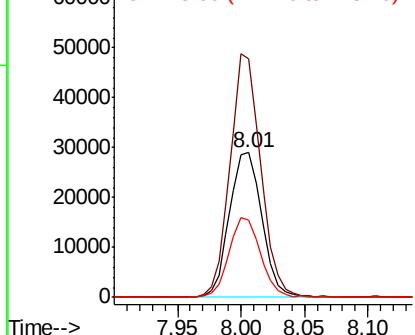
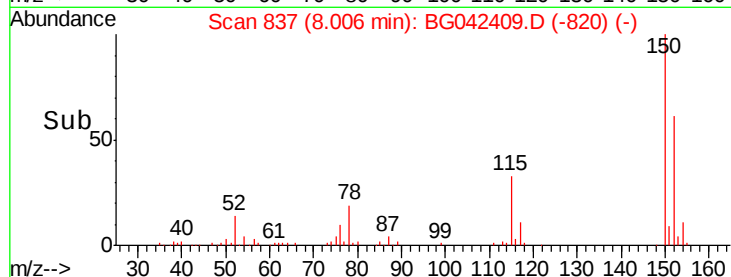
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. -0.00 min
Lab File: BG042409.D
Acq: 22 Aug 2019 20:15

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 51574
Ion Ratio Lower Upper
152 100
150 164.4 125.4 188.0
115 53.5 38.5 57.7



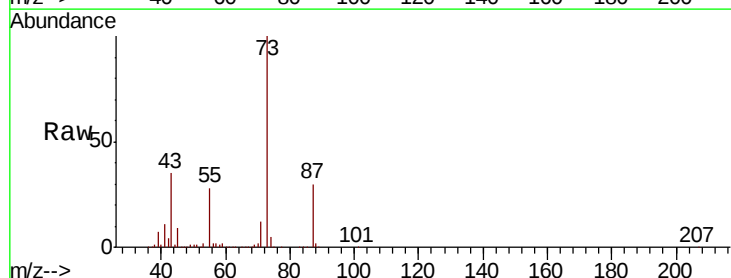
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



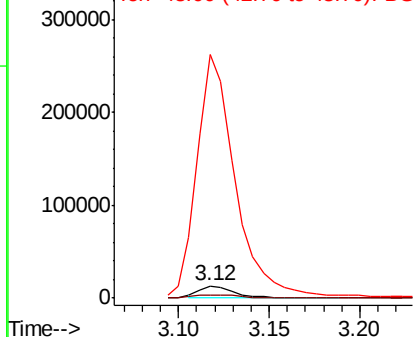
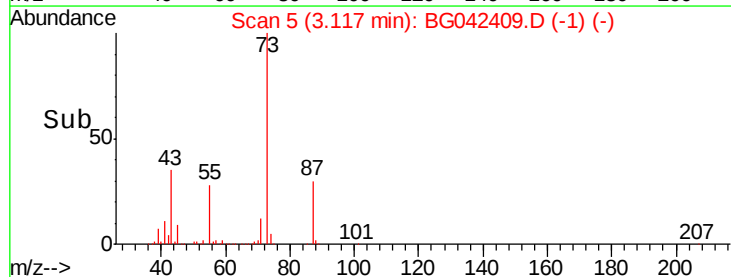
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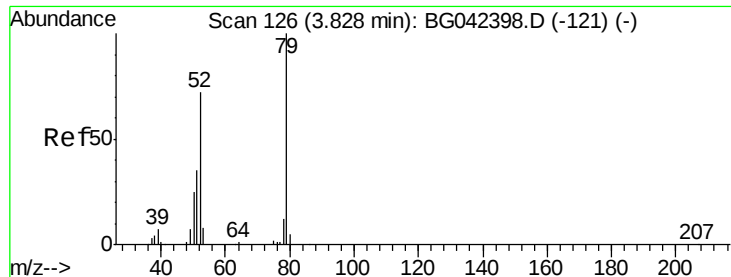
1,4-Dioxane
Concen: 15.965 ng
RT: 3.12 min Scan# 5
Delta R.T. -0.31 min
Lab File: BG042409.D
Acq: 22 Aug 2019 20:15

Tgt Ion: 88 Resp: 16966
Ion Ratio Lower Upper
88 100
58 28.6 58.3 87.5#
43 2105.1 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: 0.021 ng

RT: 4.33 min Scan# 211

Delta R.T. 0.50 min

Lab File: BG042409.D

Acq: 22 Aug 2019 20:15

Instrument :

BNA_G

ClientSampleId :

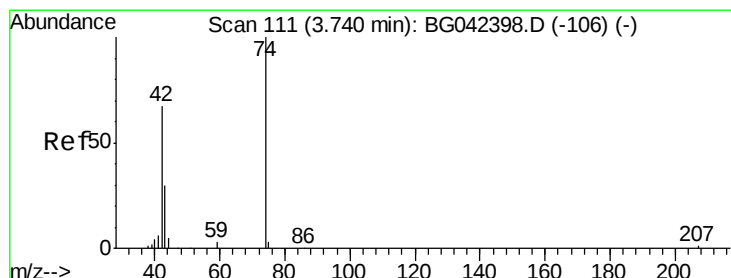
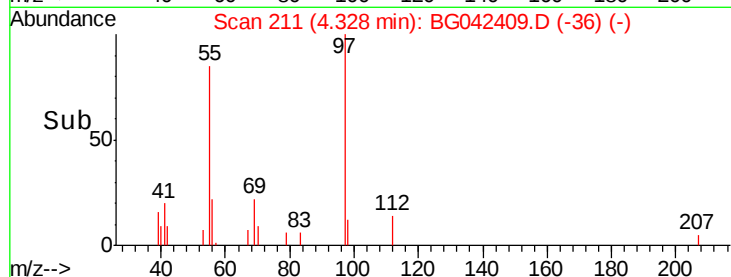
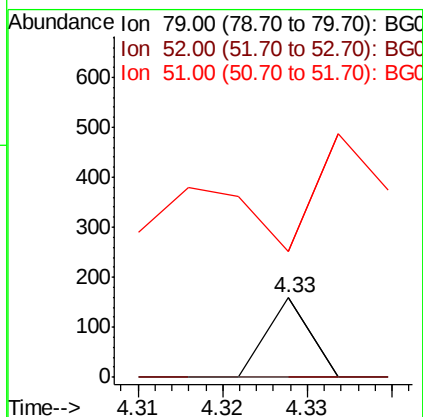
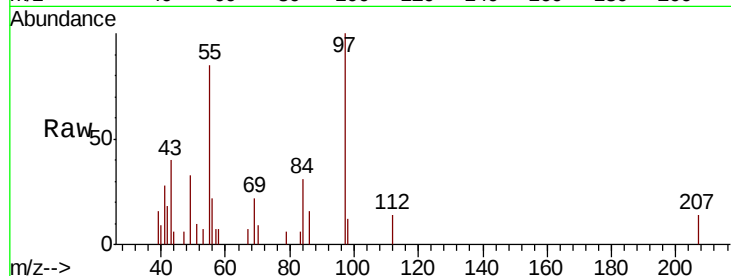
Tot Ion: 79 Resp: 56

Ion Ratio Lower Upper

79 100

52 0.0 57.7 86.5#

51 157.9 28.8 43.2#



#4

n-Nitrosodimethylamine

Concen: 0.443 ng

RT: 3.75 min Scan# 113

Delta R.T. 0.01 min

Lab File: BG042409.D

Acq: 22 Aug 2019 20:15

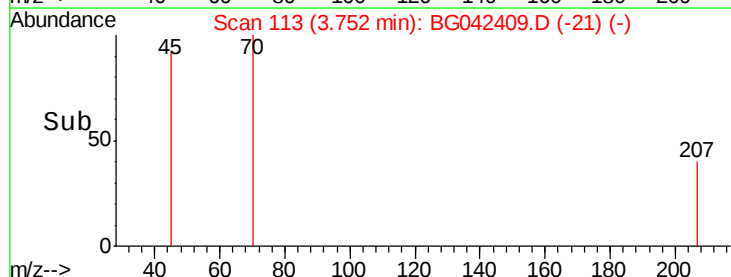
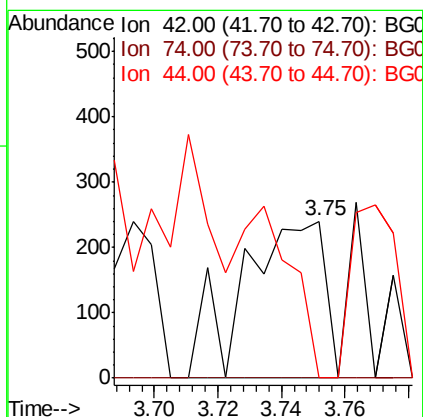
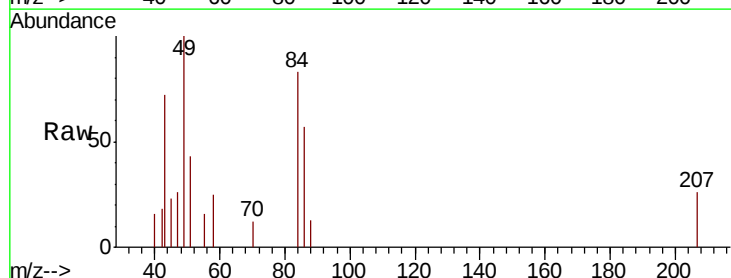
Tgt Ion: 42 Resp: 431

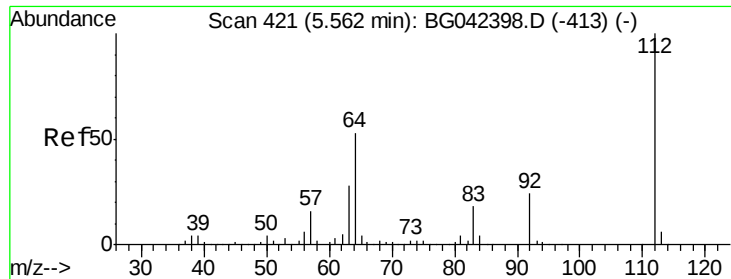
Ion Ratio Lower Upper

42 100

74 0.0 119.6 179.4#

44 0.0 6.5 9.7#





#5

2-Fluorophenol

Concen: 84.970 ng

RT: 5.56 min Scan# 421

Delta R.T. -0.00 min

Lab File: BG042409.D

Acq: 22 Aug 2019 20:15

Instrument :

BNA_G

ClientSampleId :

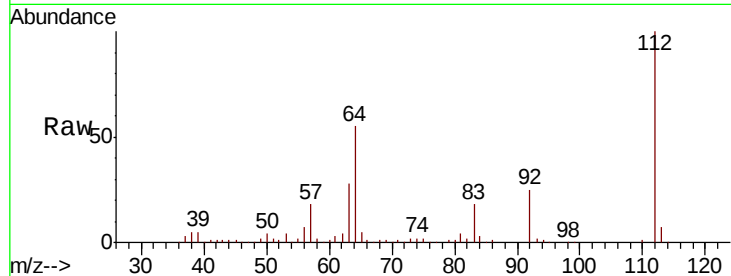
Tot Ion:112 Resp: 216375

Ion Ratio Lower Upper

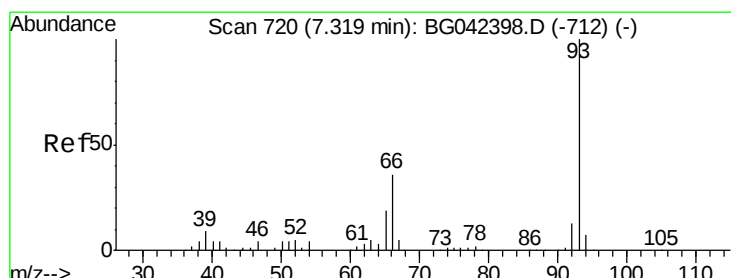
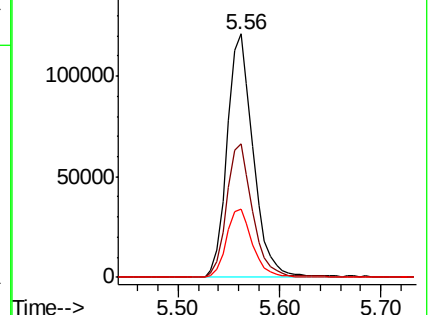
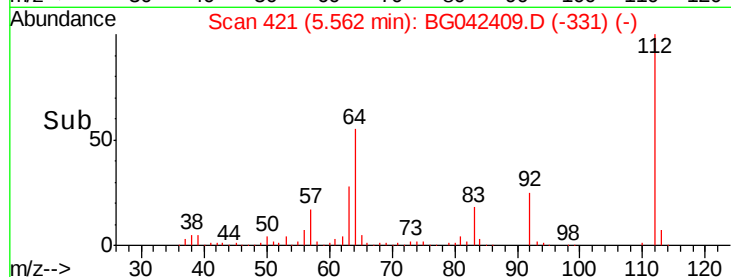
112 100

64 54.9 42.8 64.2

63 28.0 22.7 34.1



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



#6

Aniline

Concen: 0.014 ng

RT: 7.24 min Scan# 707

Delta R.T. -0.08 min

Lab File: BG042409.D

Acq: 22 Aug 2019 20:15

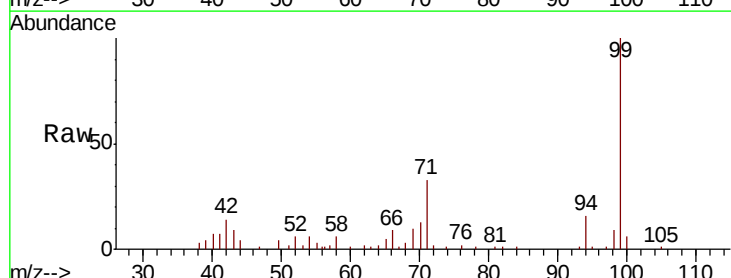
Tgt Ion: 93 Resp: 62

Ion Ratio Lower Upper

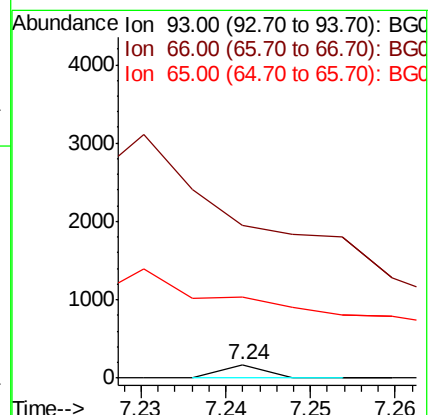
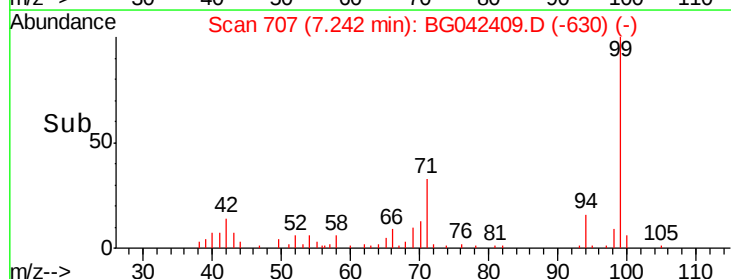
93 100

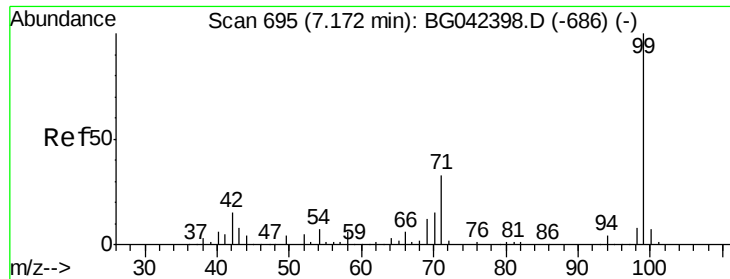
66 1117.7 29.0 43.6#

65 589.1 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: 62.326 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.03 min

Lab File: BG042409.D

Acq: 22 Aug 2019 20:15

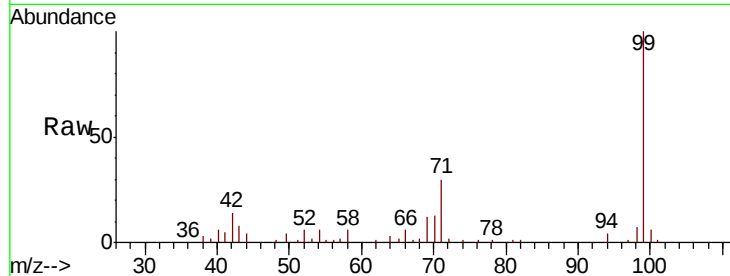
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 99 Resp: 214386

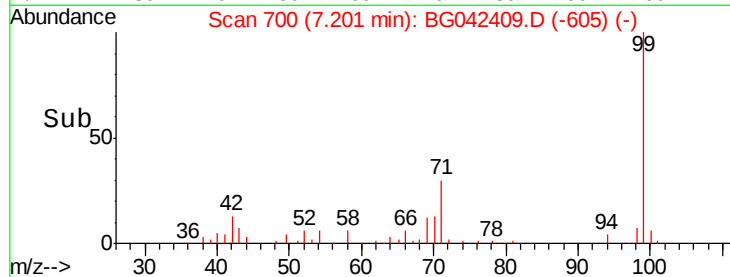
Ion	Ratio	Lower	Upper
99	100		
42	13.9	12.0	18.0
71	30.1	26.3	39.5



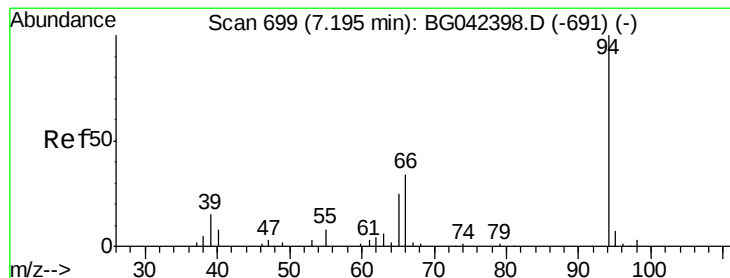
Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



Time-->



#10

Phenol

Concen: 0.928 ng

RT: 7.19 min Scan# 699

Delta R.T. -0.00 min

Lab File: BG042409.D

Acq: 22 Aug 2019 20:15

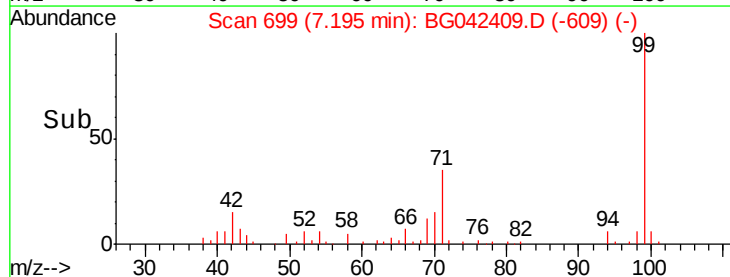
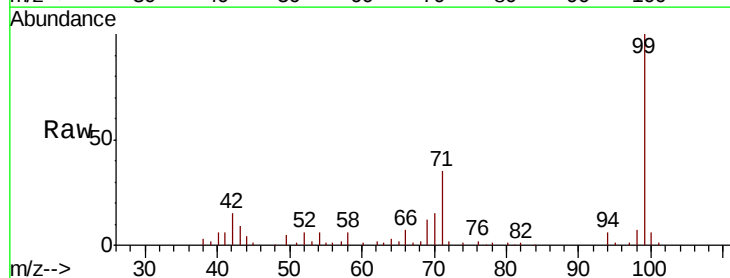
Tgt Ion: 94 Resp: 3247

Ion	Ratio	Lower	Upper
94	100		
65	42.0	5.6	45.6
66	128.2	16.0	56.0#

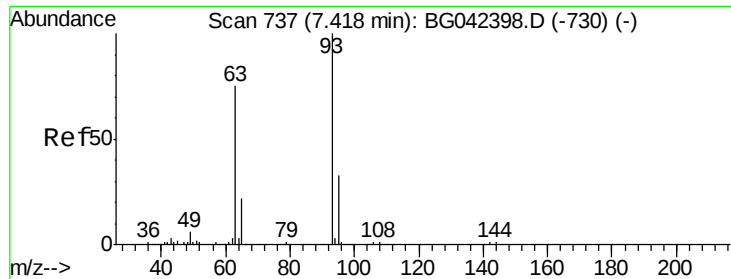
Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC



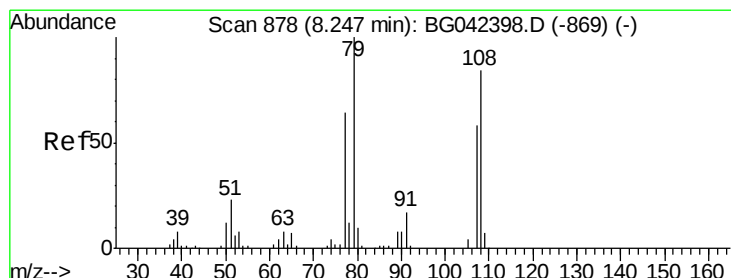
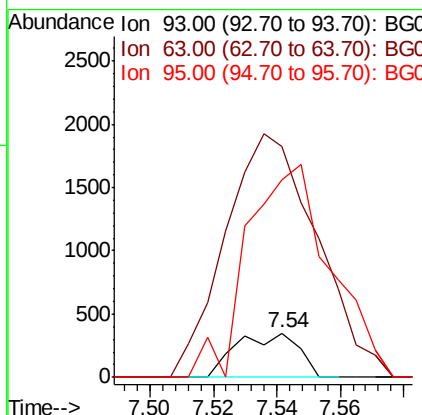
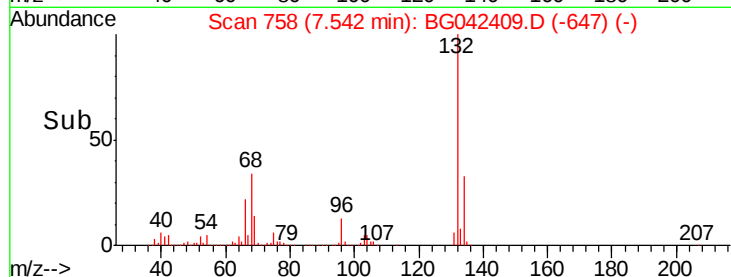
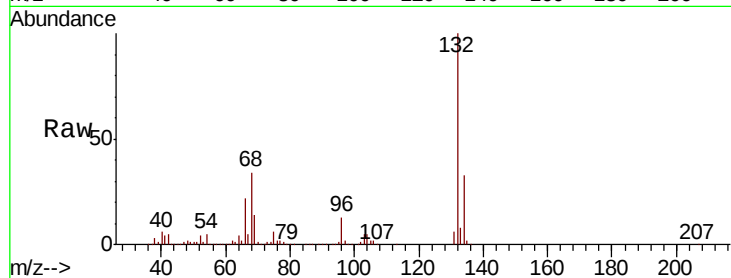
Time-->



#11
bis(2-Chloroethyl)ether
Concen: 0.173 ng
RT: 7.54 min Scan# 758
Delta R.T. 0.12 min
Lab File: BG042409.D
Acq: 22 Aug 2019 20:15

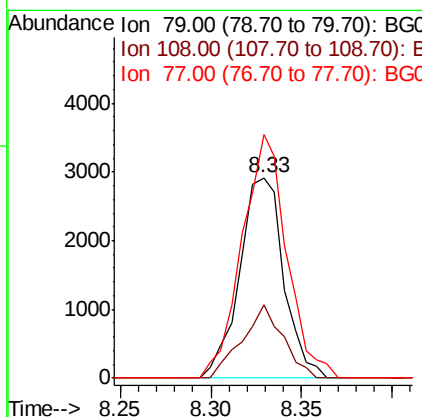
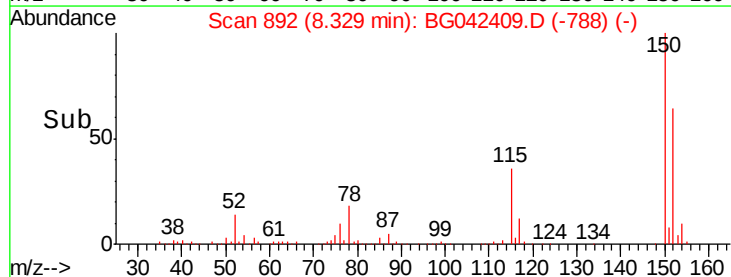
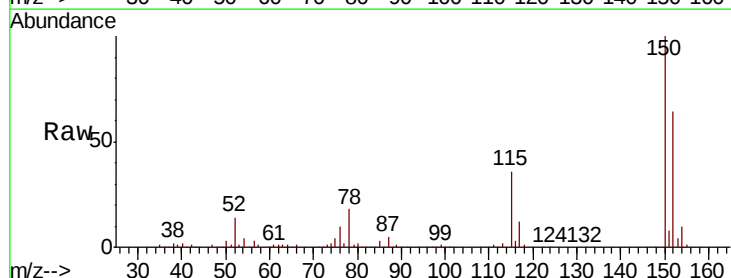
Instrument :
BNA_G
ClientSampled :

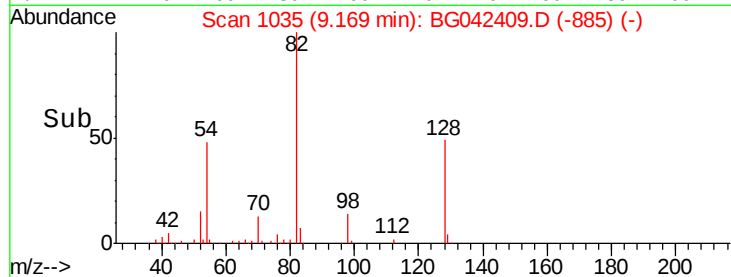
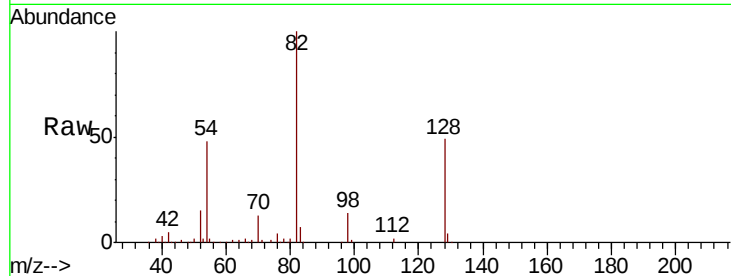
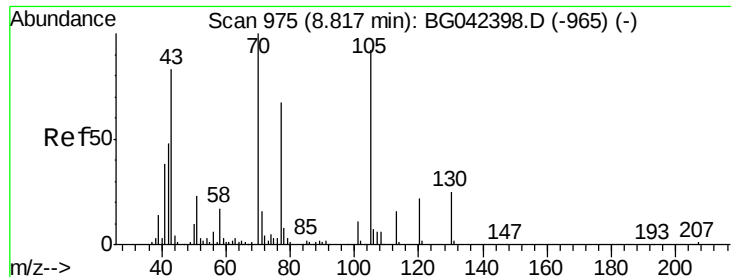
Tot Ion: 93 Resp: 475
Ion Ratio Lower Upper
93 100
63 519.6 53.8 93.8#
95 443.5 13.1 53.1#



#15
Benzyl Alcohol
Concen: 2.000 ng
RT: 8.33 min Scan# 892
Delta R.T. 0.08 min
Lab File: BG042409.D
Acq: 22 Aug 2019 20:15

Tgt Ion: 79 Resp: 4950
Ion Ratio Lower Upper
79 100
108 36.6 67.4 101.2#
77 121.3 50.8 76.2#

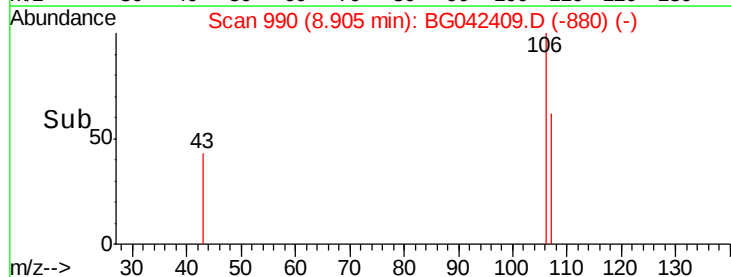
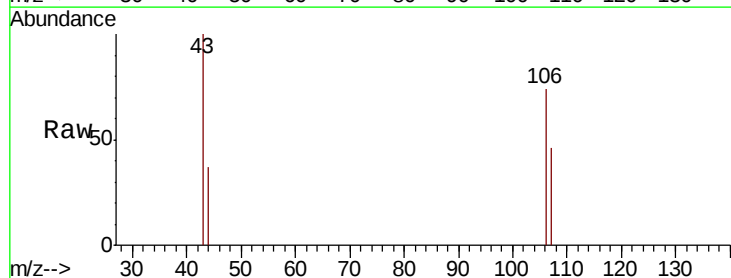
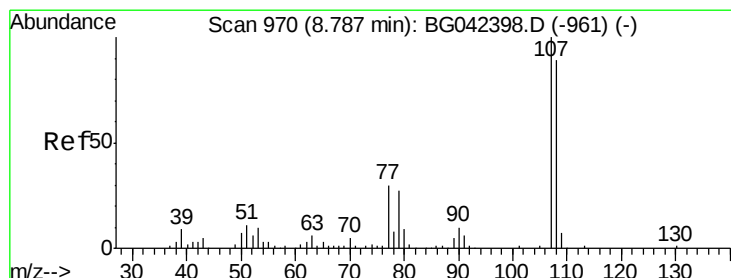
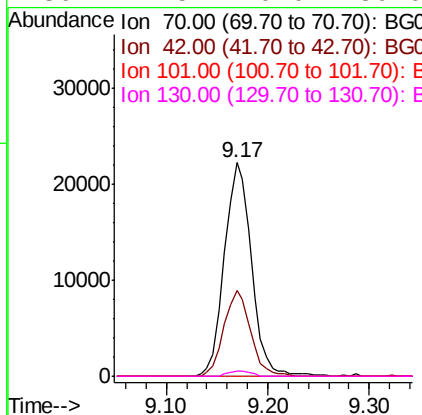




#19
n-Nitroso-di-n-propylamine
Concen: 18.546 ng
RT: 9.17 min Scan# 1035
Delta R.T. 0.35 min
Lab File: BG042409.D
Acq: 22 Aug 2019 20:15

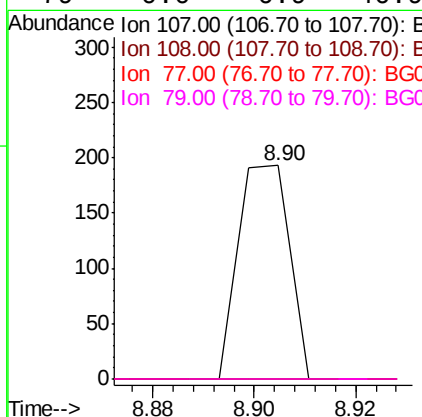
Instrument :
BNA_G
ClientSampleId :

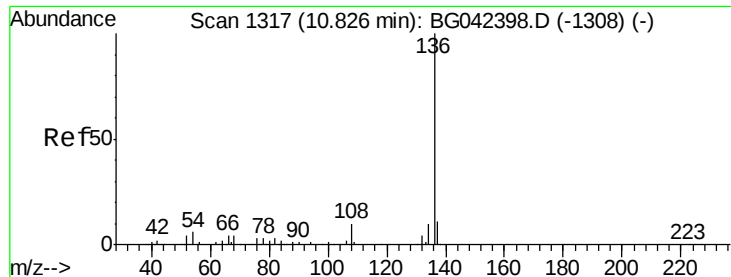
Tot Ion: 70 Resp: 41329
Ion Ratio Lower Upper
70 100
42 40.2 38.8 58.2
101 0.0 9.0 13.6#
130 2.5 20.0 30.0#



#20
3+4-Methylphenols
Concen: 0.038 ng
RT: 8.90 min Scan# 990
Delta R.T. 0.12 min
Lab File: BG042409.D
Acq: 22 Aug 2019 20:15

Tgt Ion: 107 Resp: 135
Ion Ratio Lower Upper
107 100
108 0.0 68.7 108.7#
77 0.0 10.2 50.2#
79 0.0 6.9 46.9#

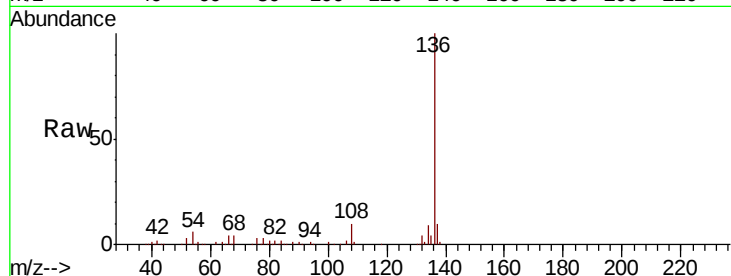




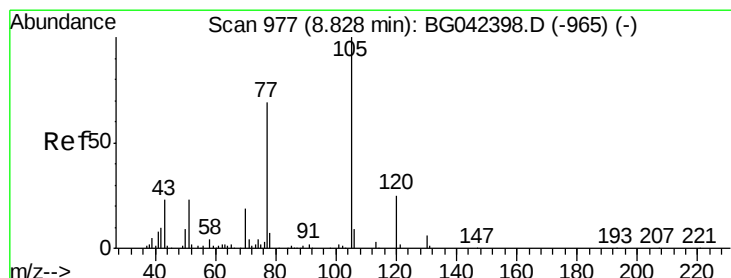
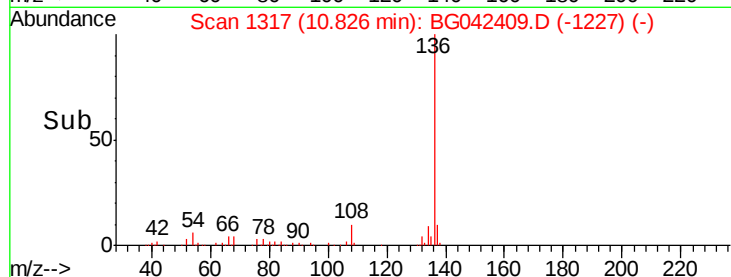
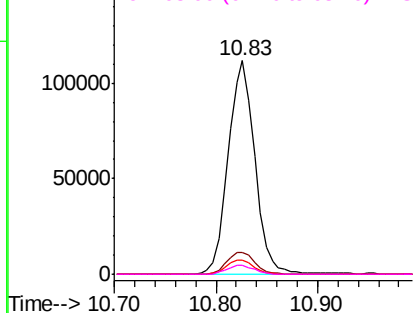
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BG042409.D
Acq: 22 Aug 2019 20:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	203779
Ion Ratio	Lower	Upper
136 100		
137 10.4	8.7	13.1
54 6.5	4.9	7.3
68 4.0	3.6	5.4

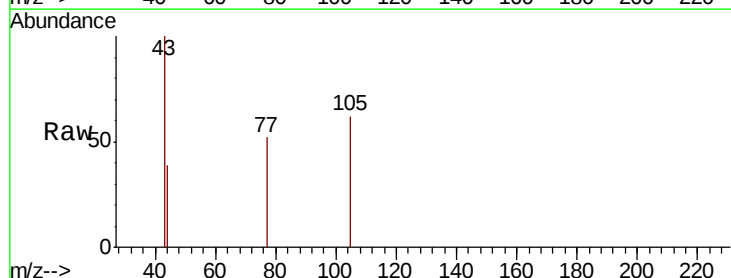


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

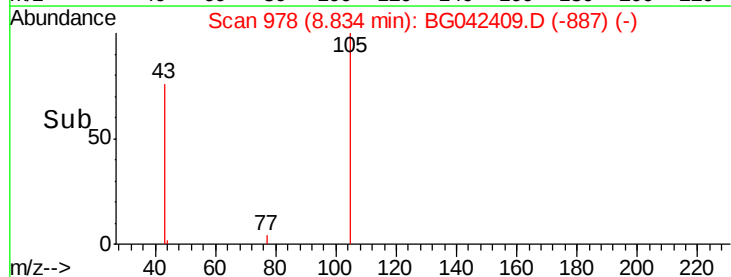
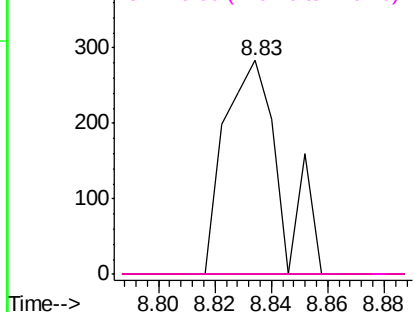


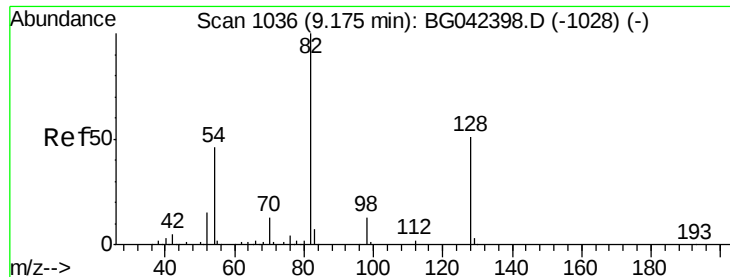
#22
Acetophenone
Concen: 0.088 ng
RT: 8.83 min Scan# 978
Delta R.T. 0.01 min
Lab File: BG042409.D
Acq: 22 Aug 2019 20:15

Tgt	Ion:105	Resp:	383
Ion	Ratio	Lower	Upper
105	100		
71	0.0	2.8	4.2#
51	0.0	18.7	28.1#
120	0.0	20.1	30.1#



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: 106.915 ng

RT: 9.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BG042409.D

Acq: 22 Aug 2019 20:15

Instrument :

BNA_G

ClientSampleId :

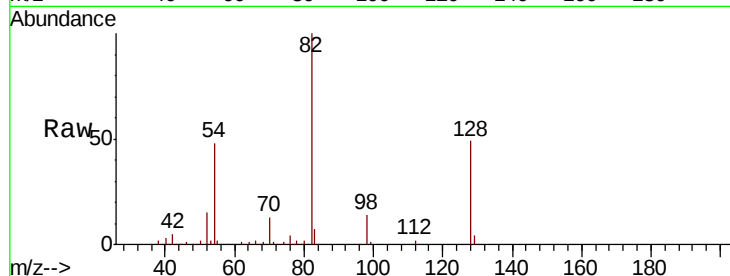
Tot Ion: 82 Resp: 315278

Ion Ratio Lower Upper

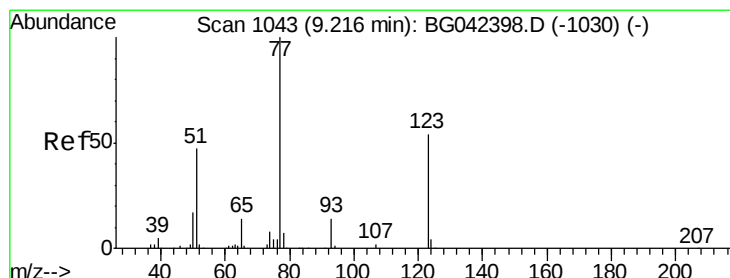
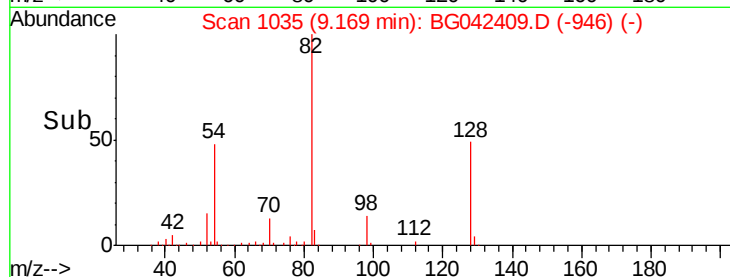
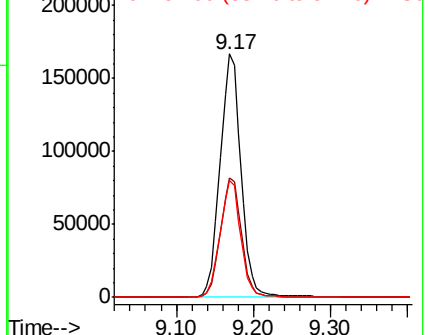
82 100

128 49.2 40.7 61.1

54 47.8 36.3 54.5



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC



#24

Nitrobenzene

Concen: 0.327 ng

RT: 9.18 min Scan# 1036

Delta R.T. -0.04 min

Lab File: BG042409.D

Acq: 22 Aug 2019 20:15

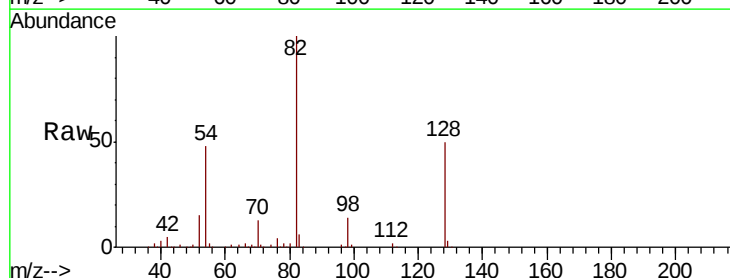
Tgt Ion: 77 Resp: 977

Ion Ratio Lower Upper

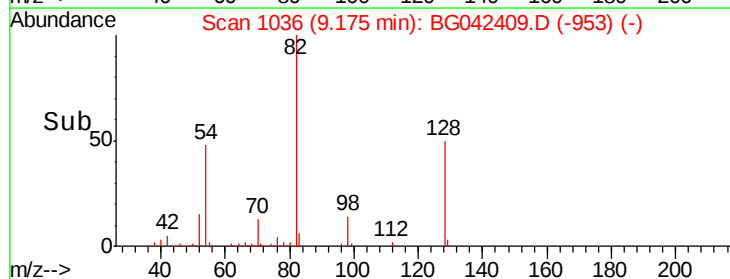
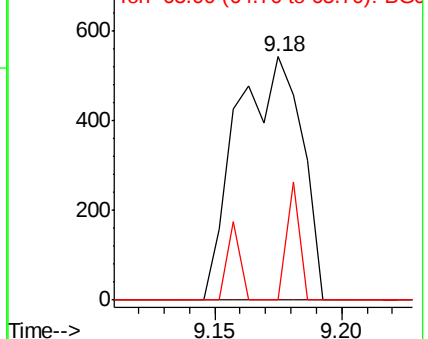
77 100

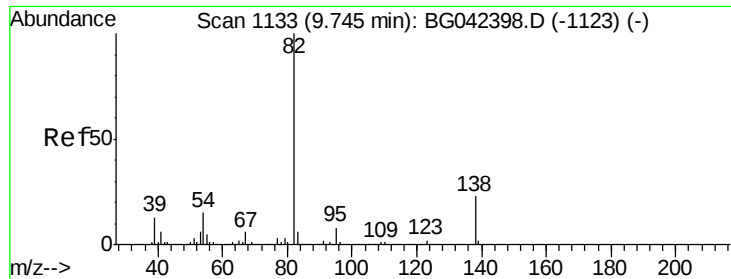
123 0.0 43.4 65.0#

65 0.0 11.0 16.6#



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





#25

Isophorone

Concen: 40.280 ng

RT: 9.47 min Scan# 1086

Delta R.T. -0.28 min

Lab File: BG042409.D

Acq: 22 Aug 2019 20:15

Instrument :

BNA_G

ClientSampleId :

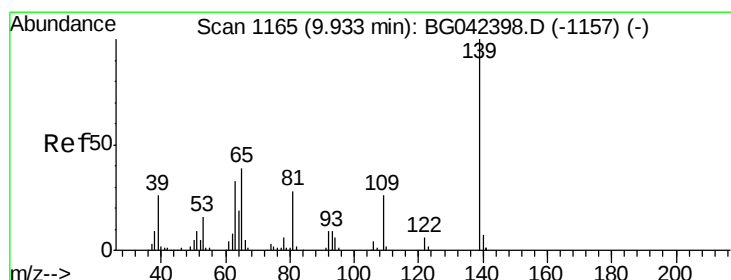
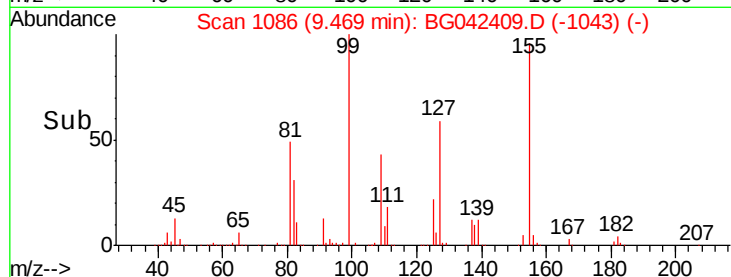
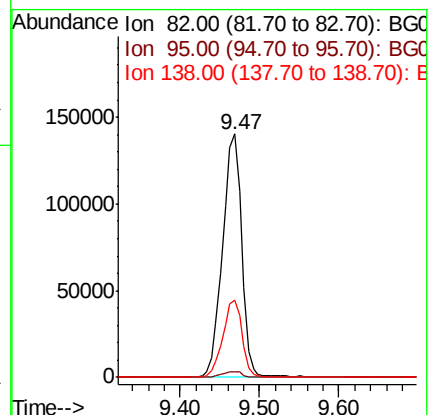
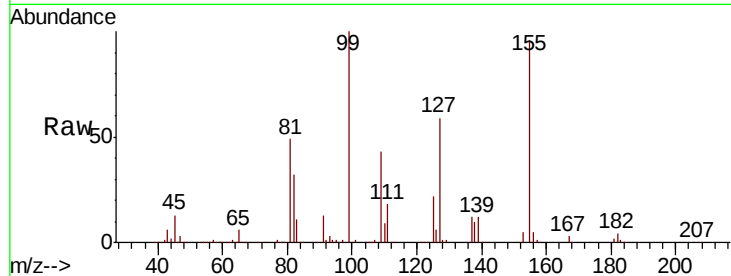
Tot Ion: 82 Resp: 234418

Ion Ratio Lower Upper

82 100

95 2.2 6.6 9.8#

138 31.7 18.6 27.8#



#26

2-Nitrophenol

Concen: 45.886 ng

RT: 9.47 min Scan# 1086

Delta R.T. -0.46 min

Lab File: BG042409.D

Acq: 22 Aug 2019 20:15

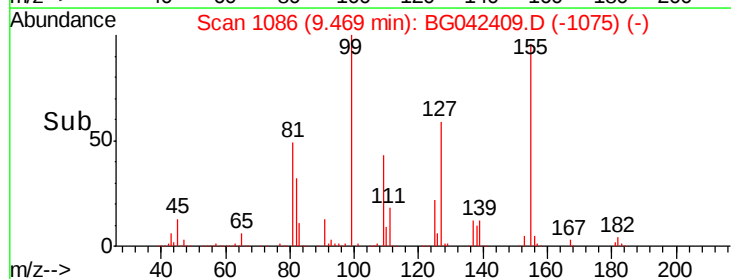
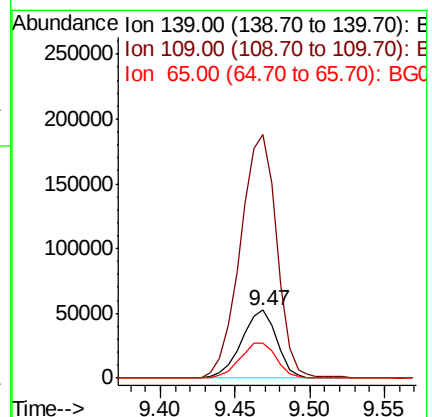
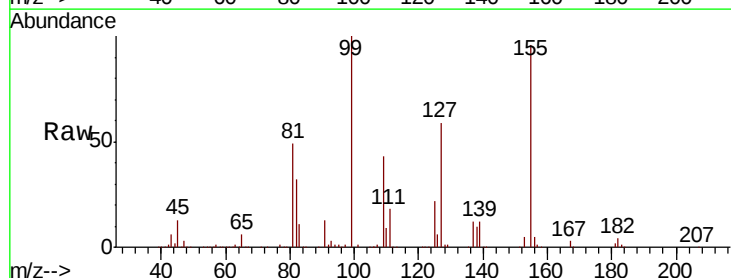
Tgt Ion: 139 Resp: 85867

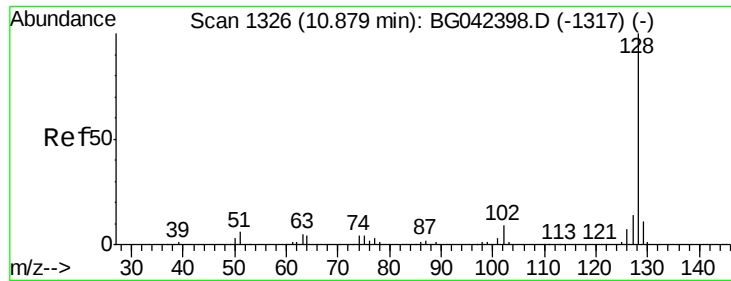
Ion Ratio Lower Upper

139 100

109 357.1 20.5 30.7#

65 52.2 30.9 46.3#

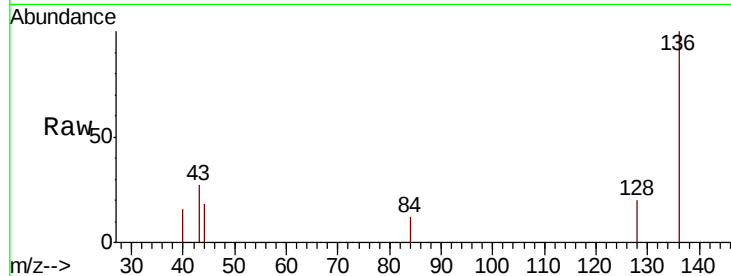




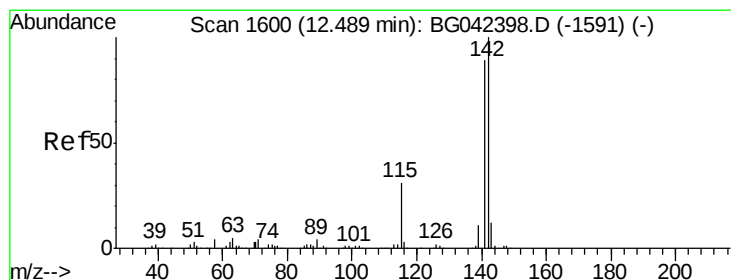
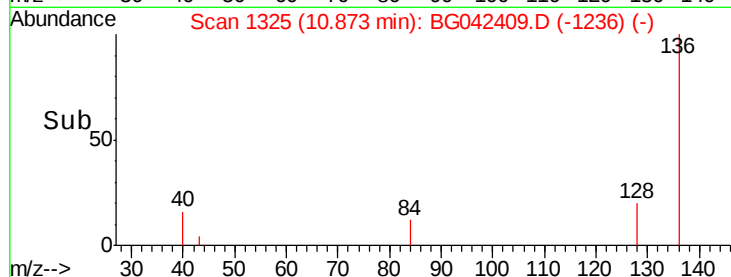
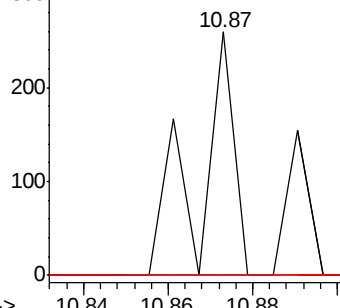
#31
Naphthalene
Concen: 0.016 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG042409.D
Acq: 22 Aug 2019 20:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion:128 Resp: 150
Ion Ratio Lower Upper
128 100
129 0.0 8.8 13.2#
127 0.0 11.4 17.0#

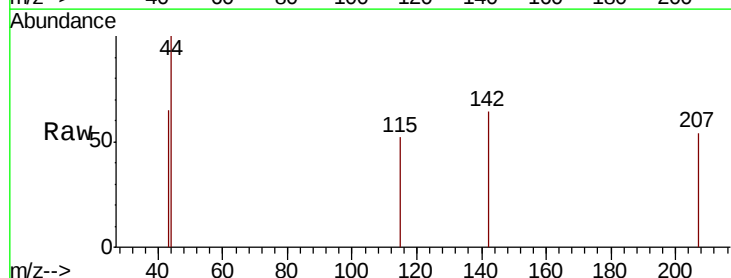


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

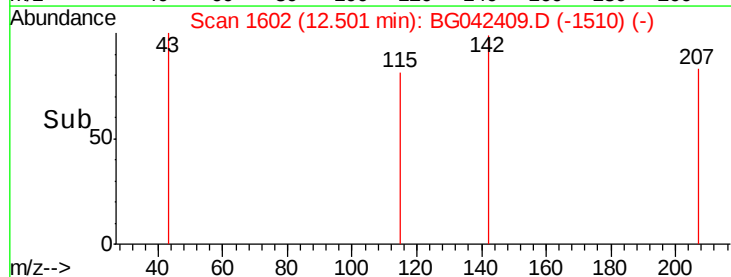
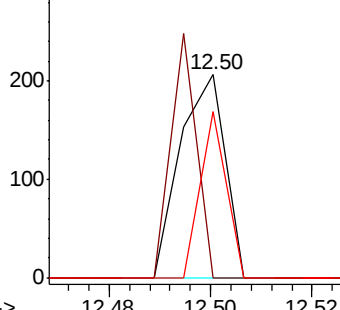


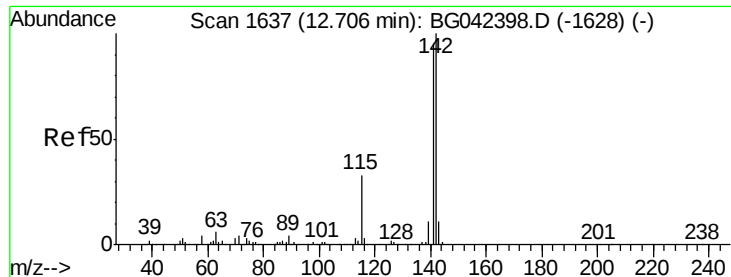
#37
2-Methylnaphthalene
Concen: 0.017 ng
RT: 12.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: BG042409.D
Acq: 22 Aug 2019 20:15

Tgt Ion:142 Resp: 127
Ion Ratio Lower Upper
142 100
141 0.0 71.4 107.2#
115 82.0 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

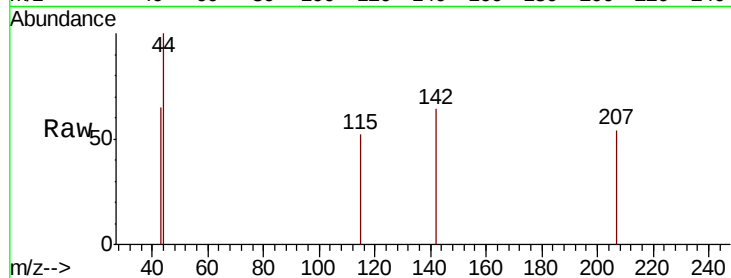




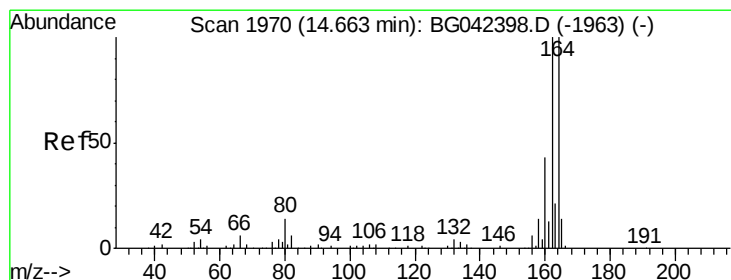
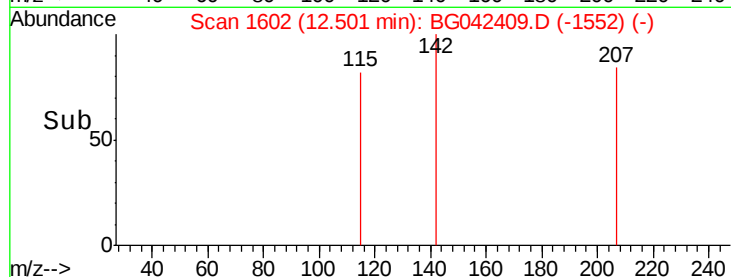
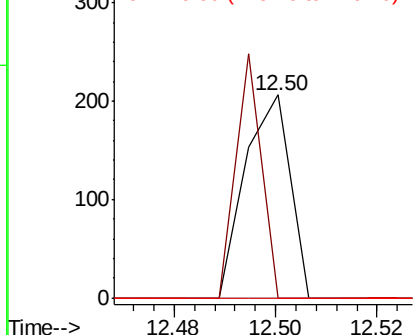
#38
1-Methylnaphthalene
Concen: 0.018 ng
RT: 12.50 min Scan# 1602
Delta R.T. -0.21 min
Lab File: BG042409.D
Acq: 22 Aug 2019 20:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion:142 Resp: 127
Ion Ratio Lower Upper
142 100
141 0.0 76.2 114.2#
116 0.0 2.8 4.2#

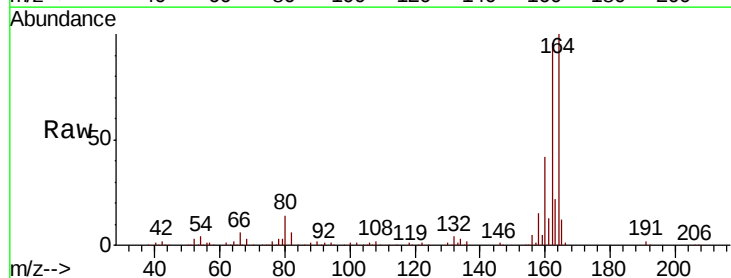


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

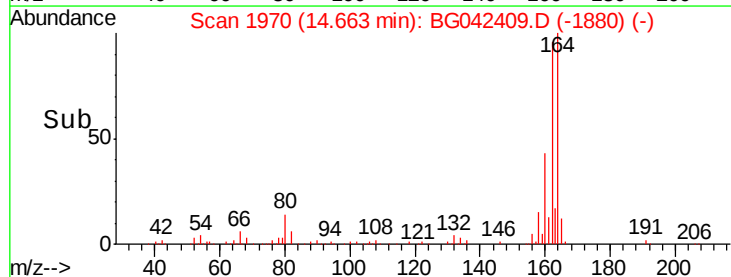
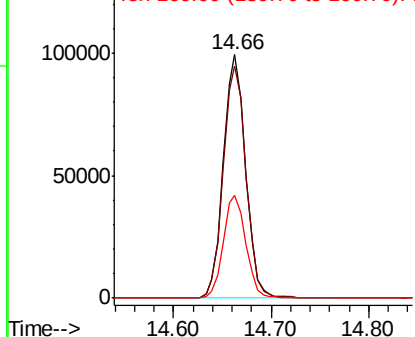


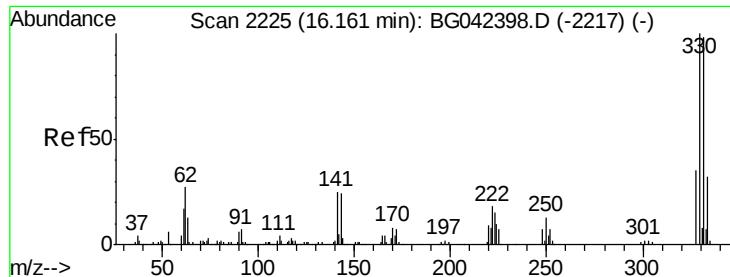
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.00 min
Lab File: BG042409.D
Acq: 22 Aug 2019 20:15

Tgt Ion:164 Resp: 156475
Ion Ratio Lower Upper
164 100
162 95.5 79.9 119.9
160 42.4 34.3 51.5



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

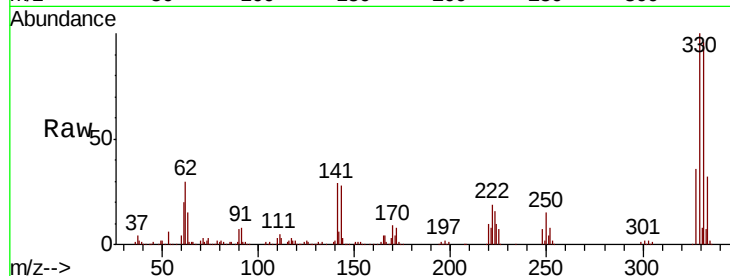




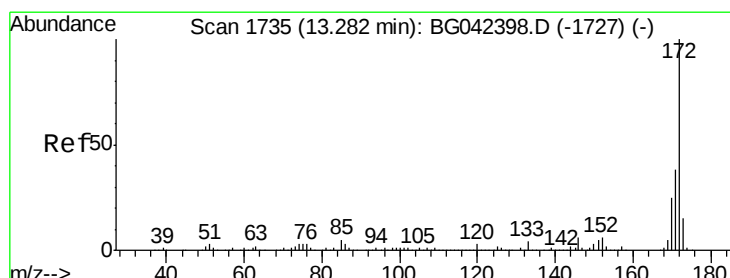
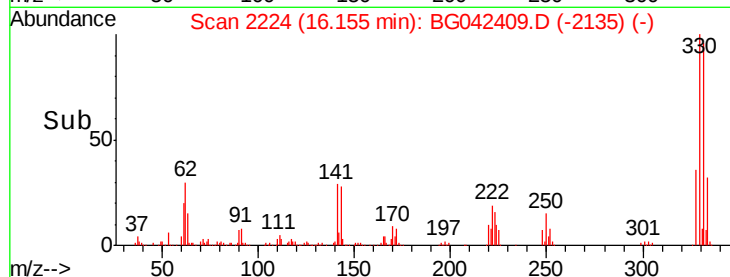
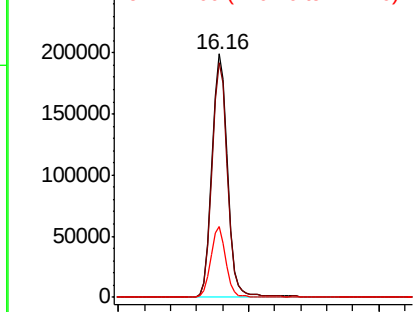
#42
 2,4,6-Tribromophenol
 Concen: 149.673 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: BG042409.D
 Acq: 22 Aug 2019 20:15

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:330 Resp: 332877
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.4 116.0
 141 27.8 21.4 32.0

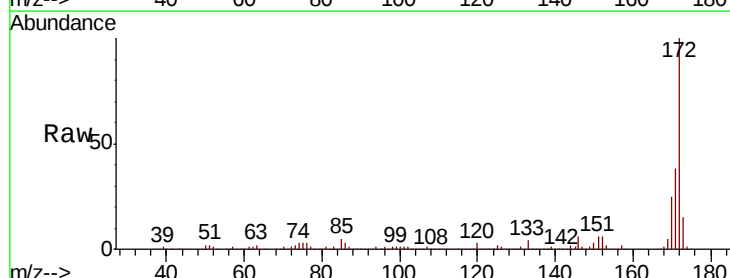


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

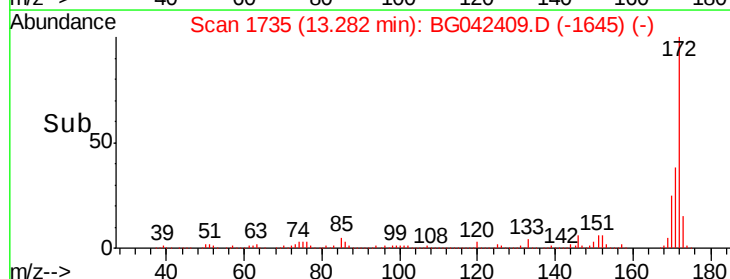
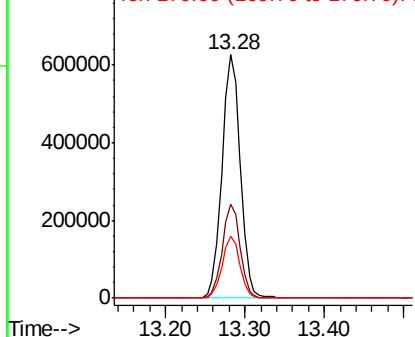


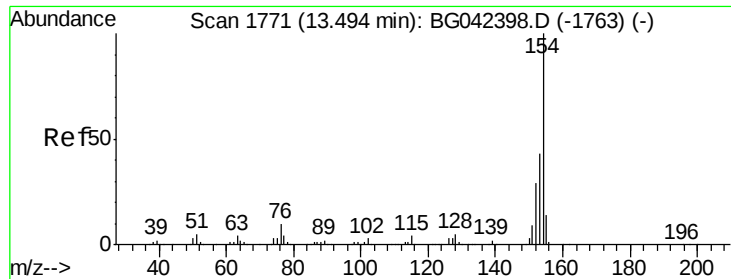
#45
 2-Fluorobiphenyl
 Concen: 108.392 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: BG042409.D
 Acq: 22 Aug 2019 20:15

Tgt Ion:172 Resp: 1002824
 Ion Ratio Lower Upper
 172 100
 171 38.4 30.5 45.7
 170 25.3 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

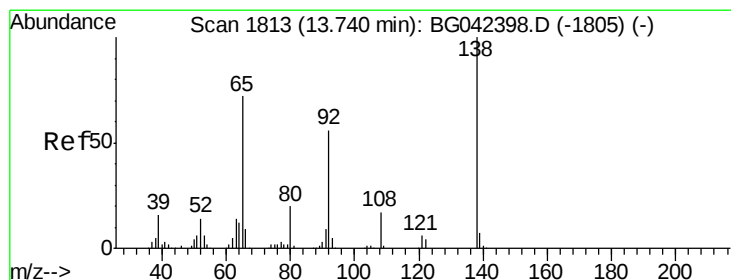
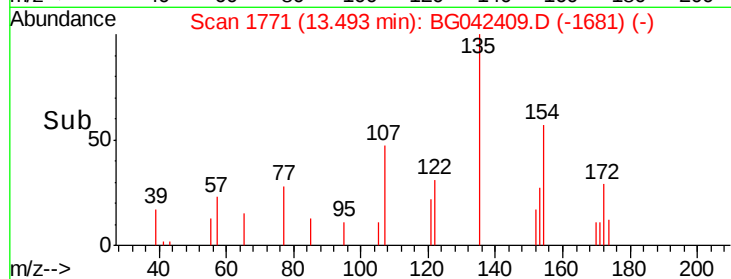
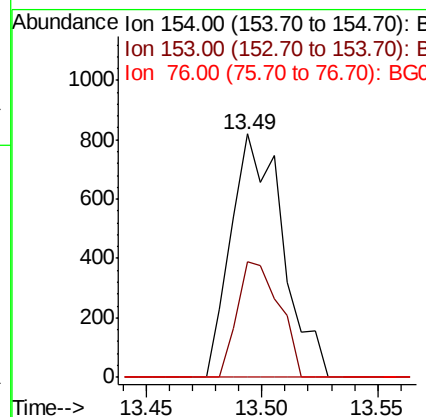
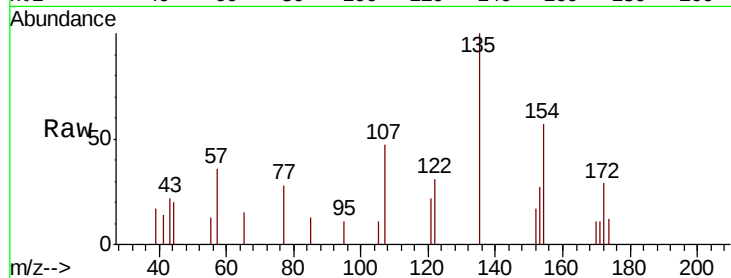




#46
 1,1'-Biphenyl
 Concen: 0.126 ng
 RT: 13.49 min Scan# 1771
 Delta R.T. -0.00 min
 Lab File: BG042409.D
 Acq: 22 Aug 2019 20:15

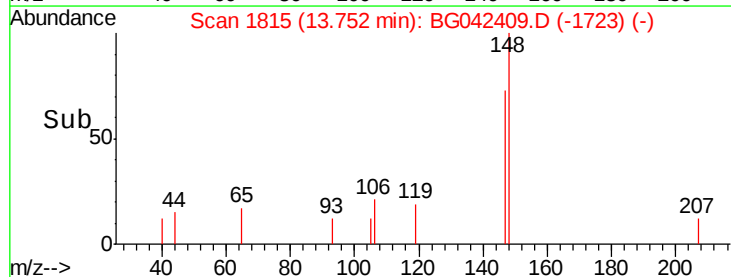
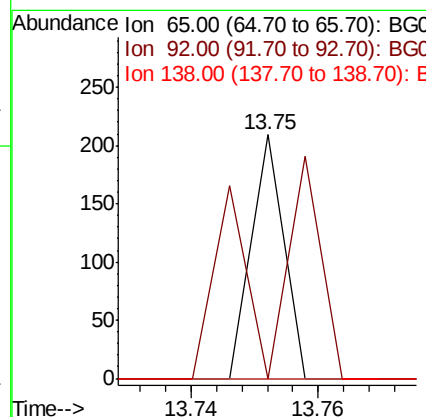
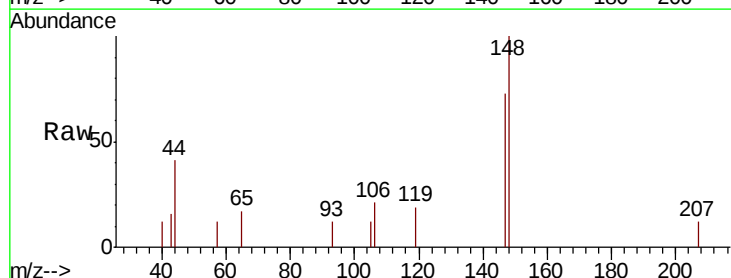
Instrument :
 BNA_G
 ClientSampleId :

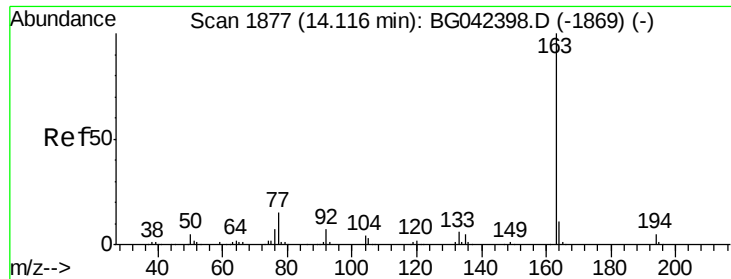
Tot Ion	Ratio	Lower	Upper
154	100		
153	47.2	23.0	63.0
76	0.0	0.0	29.6



#48
 2-Nitroaniline
 Concen: 0.035 ng
 RT: 13.75 min Scan# 1815
 Delta R.T. 0.01 min
 Lab File: BG042409.D
 Acq: 22 Aug 2019 20:15

Tgt Ion	Ratio	Lower	Upper
65	100		
92	0.0	61.8	92.6#
138	0.0	111.0	166.6#

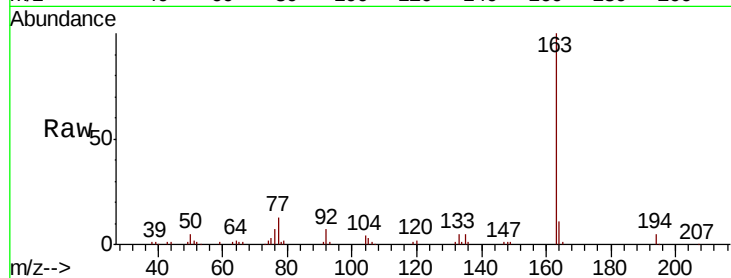




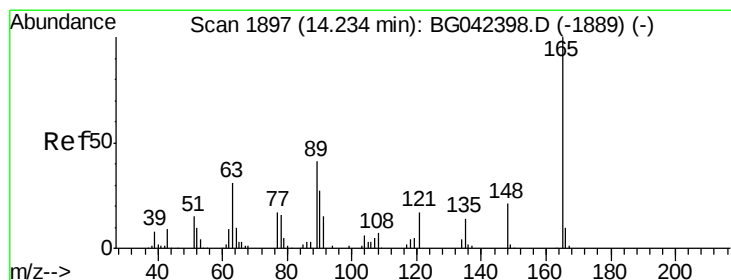
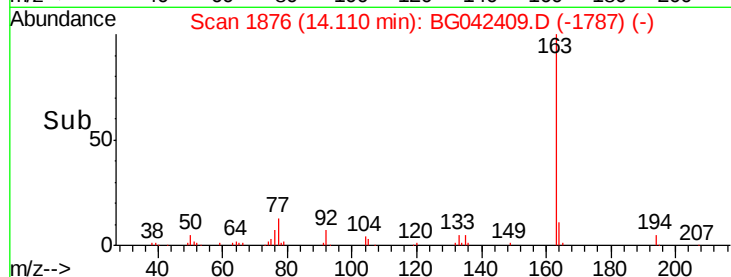
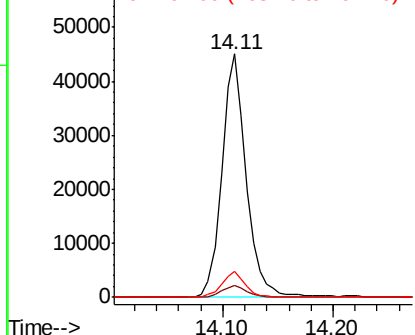
#50
Dimethylphthalate
Concen: 6.133 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.01 min
Lab File: BG042409.D
Acq: 22 Aug 2019 20:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion:163 Resp: 69244
Ion Ratio Lower Upper
163 100
194 4.8 4.2 6.2
164 10.9 8.8 13.2

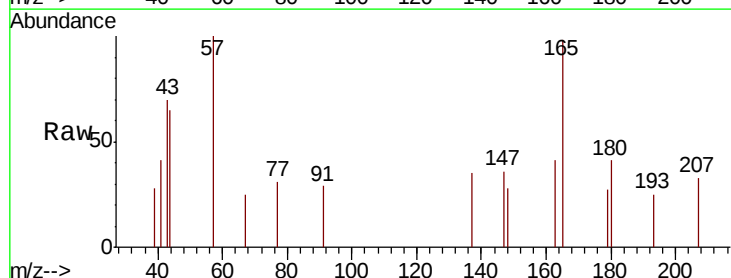


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

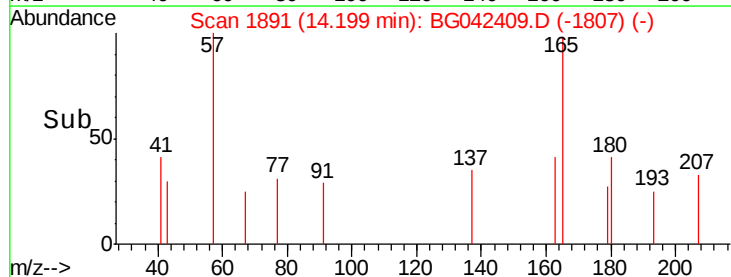
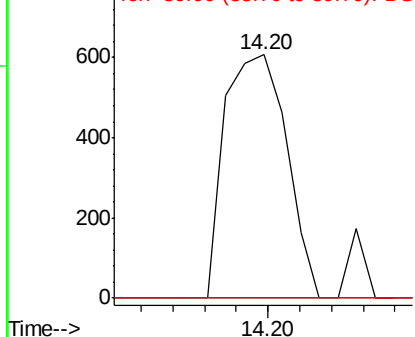


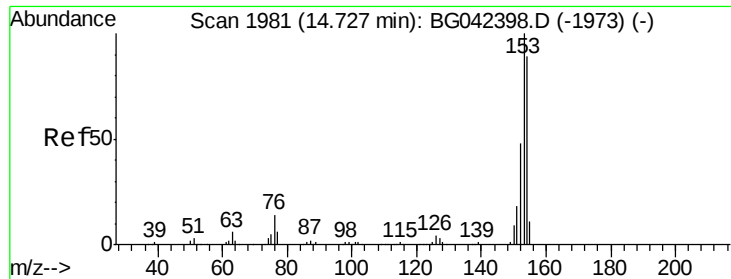
#51
2,6-Dinitrotoluene
Concen: 0.314 ng
RT: 14.20 min Scan# 1891
Delta R.T. -0.04 min
Lab File: BG042409.D
Acq: 22 Aug 2019 20:15

Tgt Ion:165 Resp: 821
Ion Ratio Lower Upper
165 100
63 0.0 30.6 45.8#
89 0.0 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: 0.041 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.07 min

Lab File: BG042409.D

Acq: 22 Aug 2019 20:15

Instrument :

BNA_G

ClientSampleId :

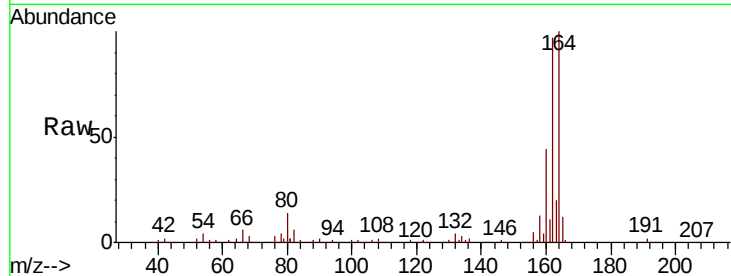
Tot Ion:154 Resp: 326

Ion Ratio Lower Upper

154 100

153 0.0 90.2 135.4#

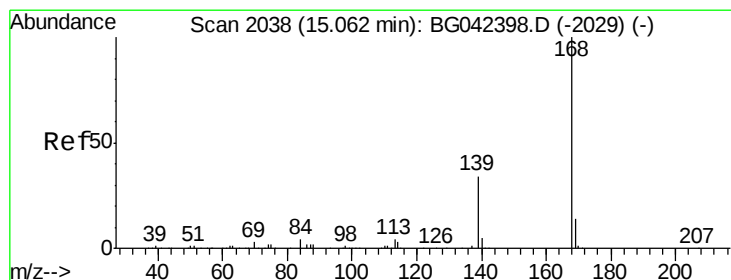
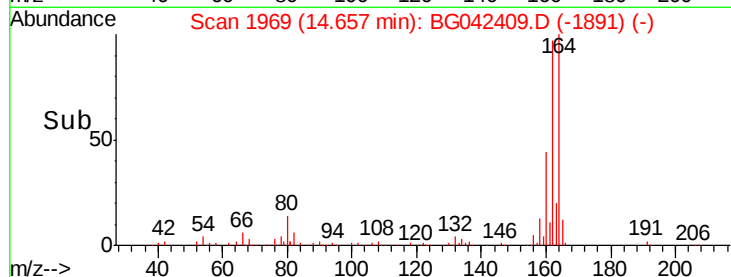
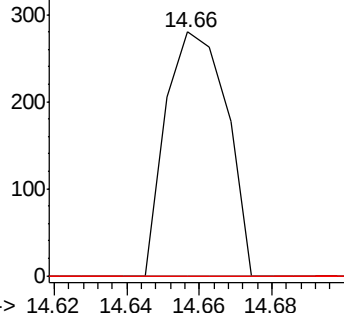
152 0.0 43.2 64.8#



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



#55

Dibenzofuran

Concen: 0.006 ng

RT: 15.06 min Scan# 2038

Delta R.T. -0.00 min

Lab File: BG042409.D

Acq: 22 Aug 2019 20:15

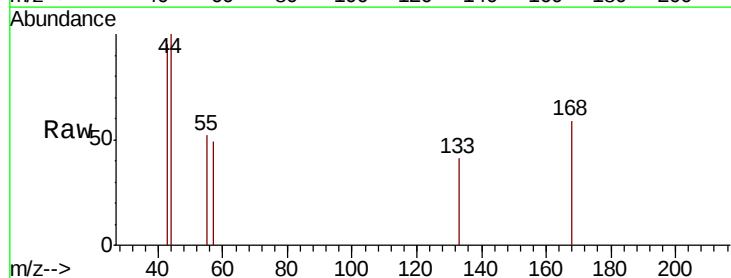
Tgt Ion:168 Resp: 82

Ion Ratio Lower Upper

168 100

139 0.0 27.2 40.8#

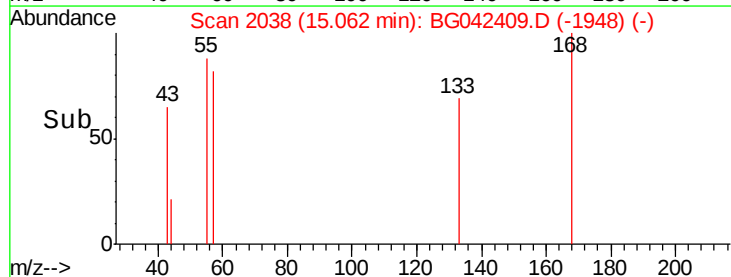
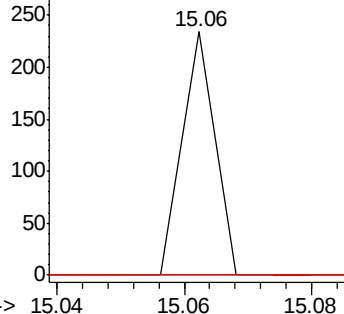
169 0.0 11.5 17.3#

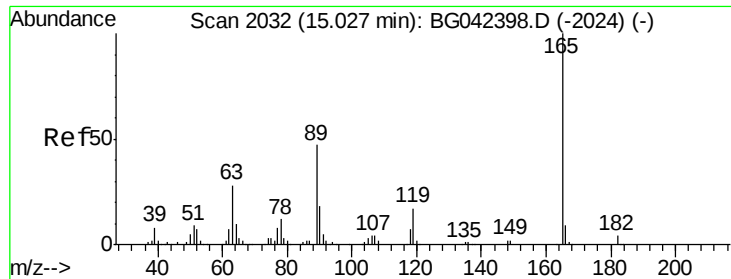


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

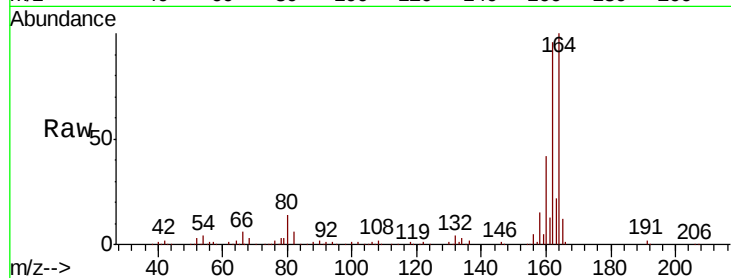




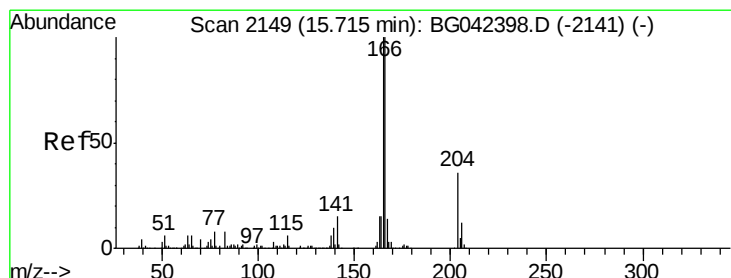
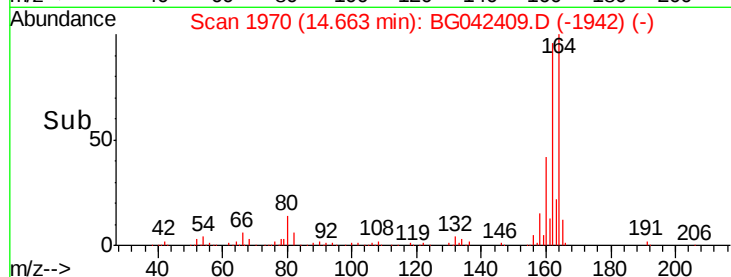
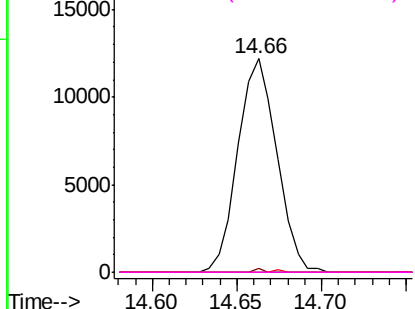
#57
 2,4-Dinitrotoluene
 Concen: 5.227 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.36 min
 Lab File: BG042409.D
 Acq: 22 Aug 2019 20:15

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	22.5	33.7#
89	0.0	37.8	56.6#
182	0.0	3.0	4.4#

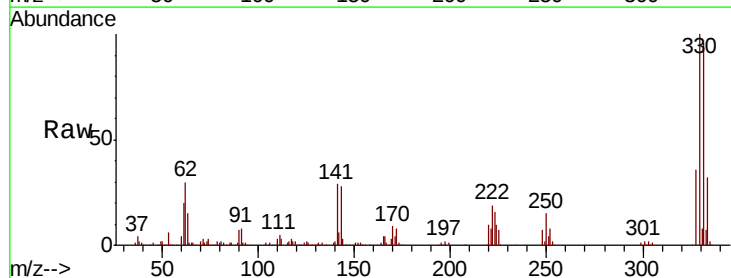


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

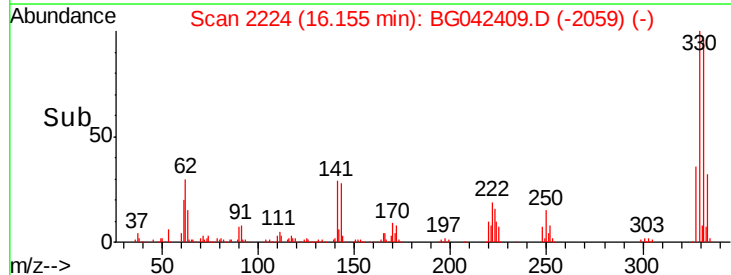
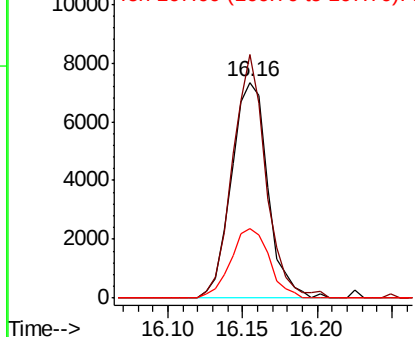


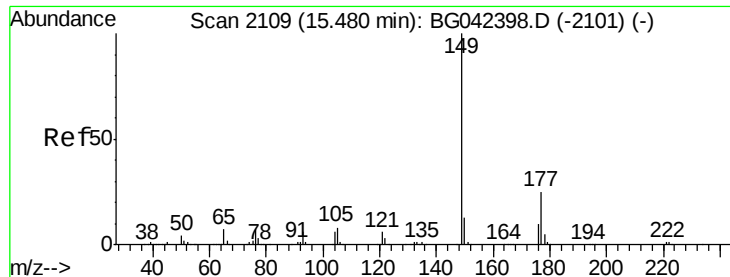
#58
 Fluorene
 Concen: 1.156 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. 0.44 min
 Lab File: BG042409.D
 Acq: 22 Aug 2019 20:15

Tgt Ion	Ratio	Lower	Upper
166	100		
165	112.8	79.7	119.5
167	32.0	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: 0.463 ng

RT: 15.47 min Scan# 2108

Delta R.T. -0.01 min

Lab File: BG042409.D

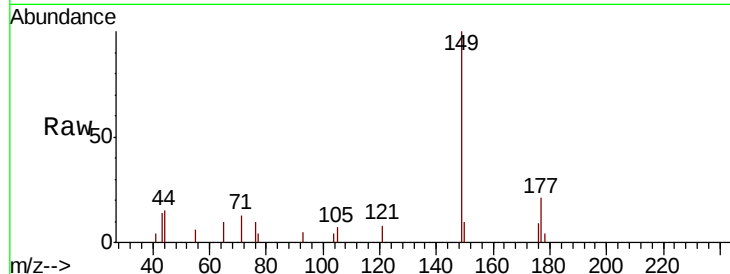
Acq: 22 Aug 2019 20:15

Instrument :

BNA_G

ClientSampled :

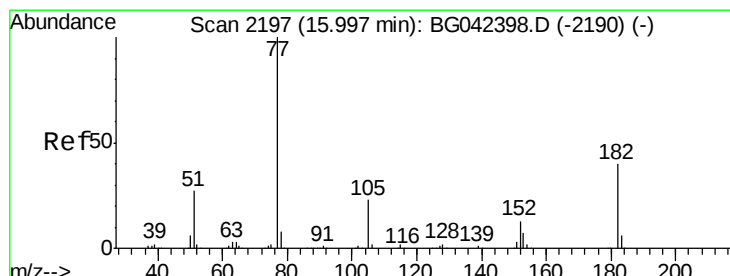
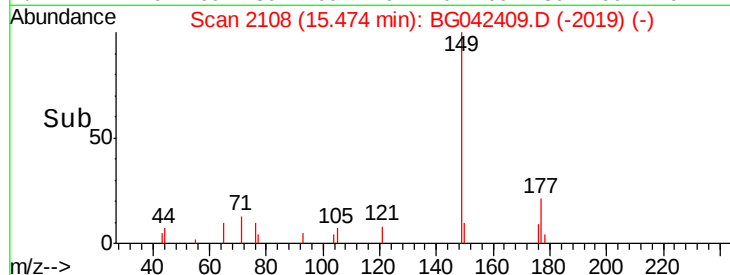
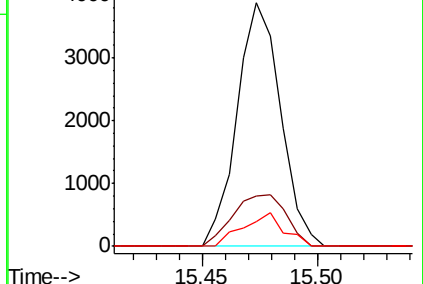
Tot Ion:	149	Resp:	5107
Ion	Ratio	Lower	Upper
149	100		
177	20.8	20.4	30.6
150	10.0	10.3	15.5#



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: 0.101 ng

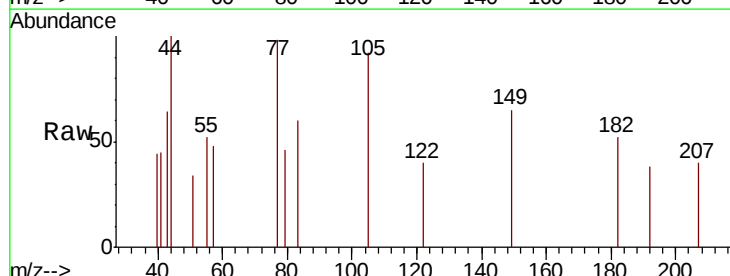
RT: 16.02 min Scan# 2201

Delta R.T. 0.02 min

Lab File: BG042409.D

Acq: 22 Aug 2019 20:15

Tgt Ion:	77	Resp:	761
Ion	Ratio	Lower	Upper
77	100		
182	53.3	19.9	59.9
105	94.1	2.9	42.9#
51	35.1	7.6	47.6

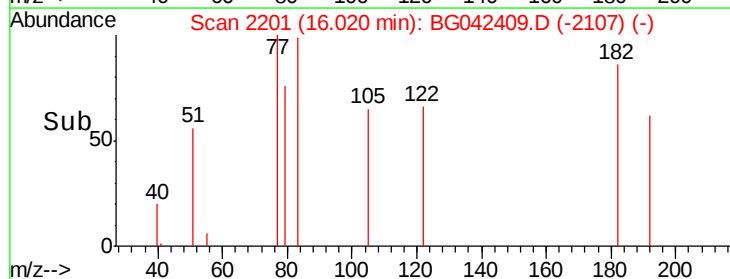
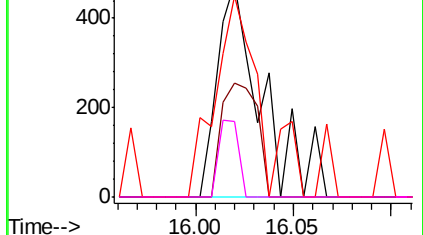


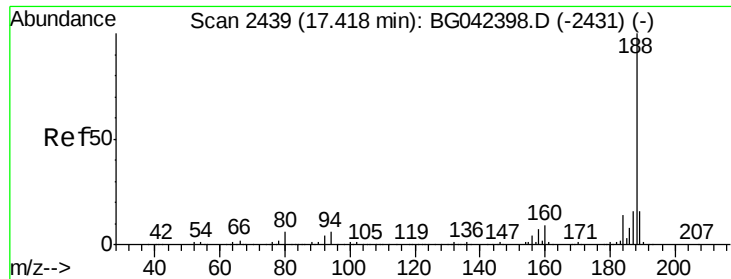
Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BGC

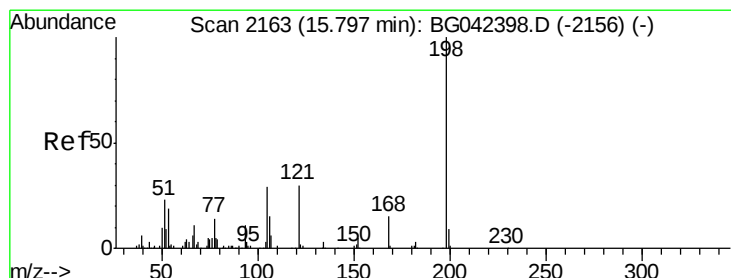
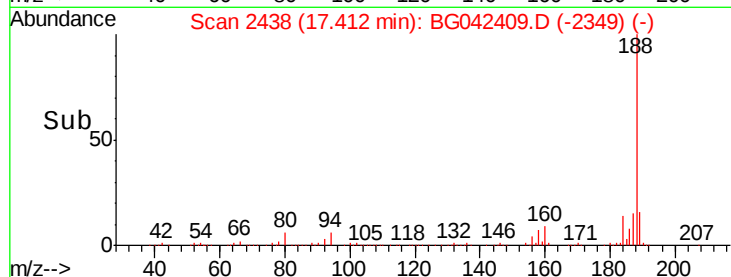
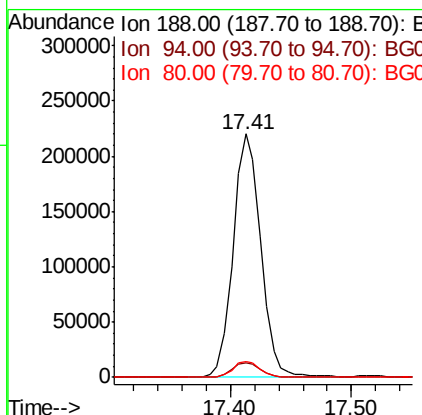
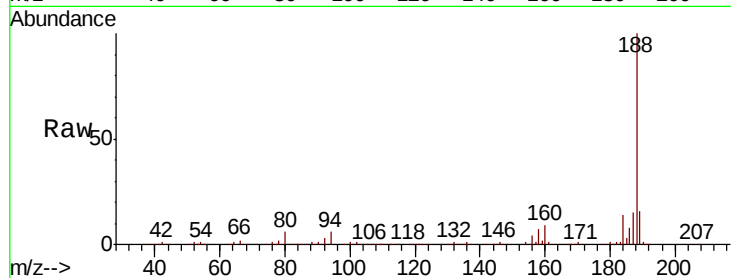




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2438
Delta R.T. -0.01 min
Lab File: BG042409.D
Acq: 22 Aug 2019 20:15

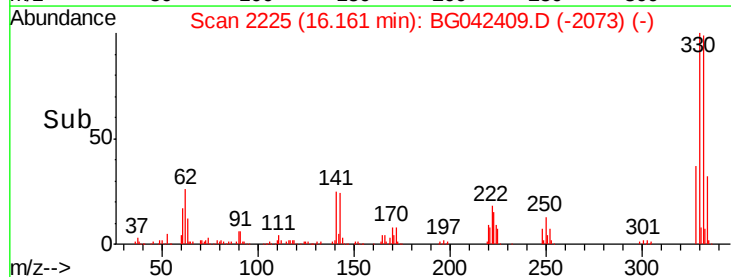
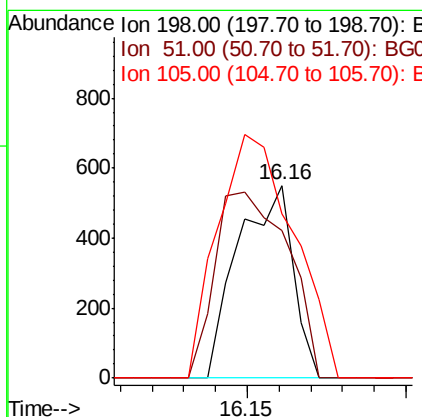
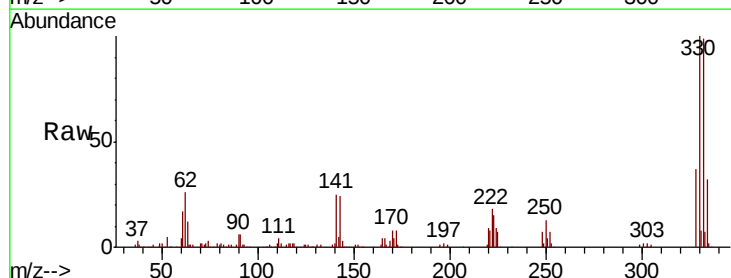
Instrument :
BNA_G
ClientSampled :

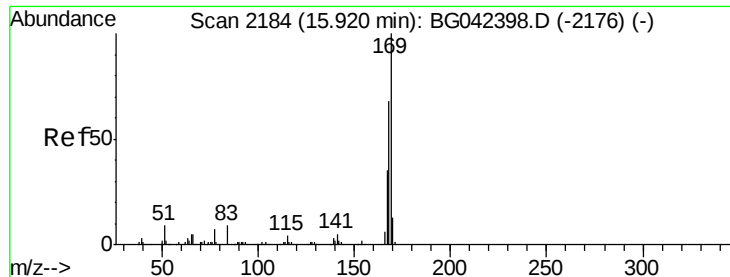
Tot Ion:188 Resp: 350475
Ion Ratio Lower Upper
188 100
94 6.1 4.5 6.7
80 6.5 4.9 7.3



#65
4,6-Dinitro-2-methylphenol
Concen: 0.301 ng
RT: 16.16 min Scan# 2225
Delta R.T. 0.36 min
Lab File: BG042409.D
Acq: 22 Aug 2019 20:15

Tgt Ion:198 Resp: 661
Ion Ratio Lower Upper
198 100
51 76.6 4.2 44.2#
105 85.1 8.8 48.8#

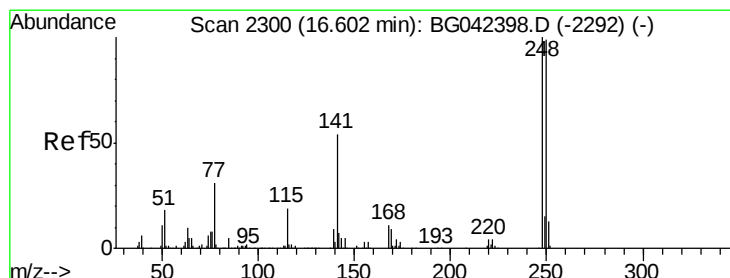
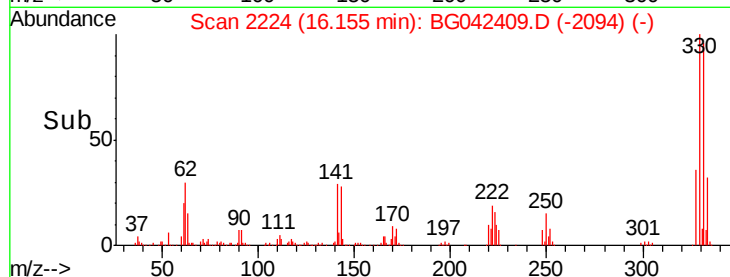
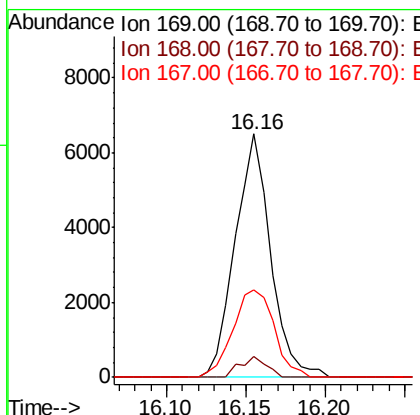
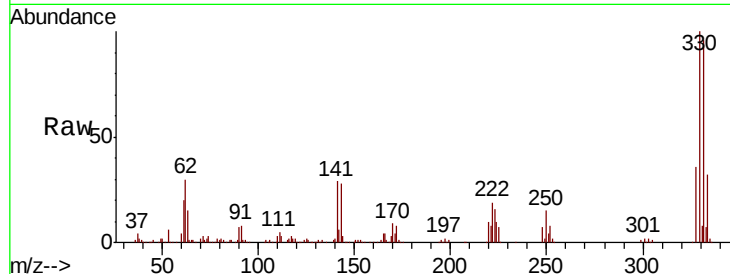




#66
 n-Nitrosodiphenylamine
 Concen: 1.044 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. 0.23 min
 Lab File: BG042409.D
 Acq: 22 Aug 2019 20:15

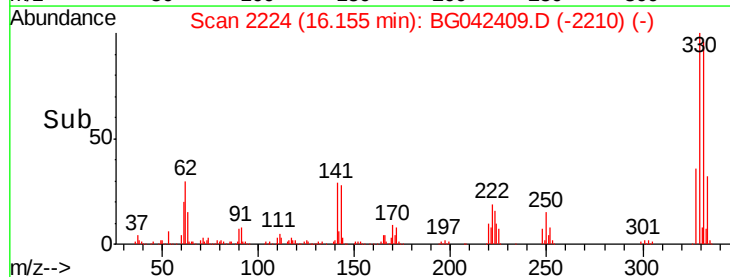
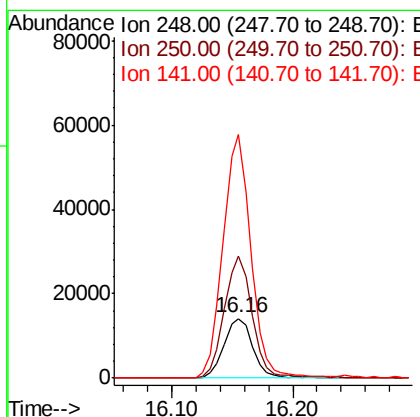
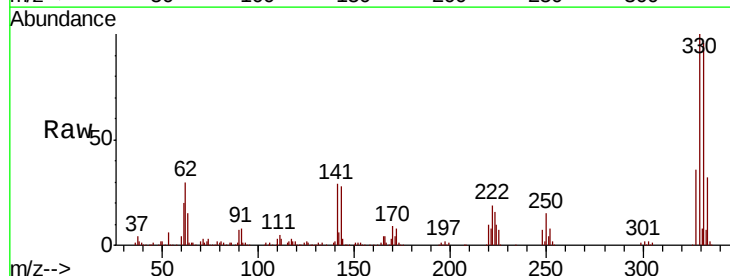
Instrument :
 BNA_G
 ClientSampleId :

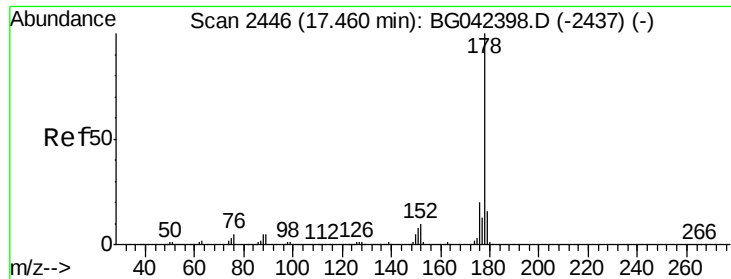
Tot Ion	Ratio	Lower	Upper
169	100		
168	8.6	54.3	81.5#
167	36.1	28.2	42.2



#67
 4-Bromophenyl-phenylether
 Concen: 5.300 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.45 min
 Lab File: BG042409.D
 Acq: 22 Aug 2019 20:15

Tgt Ion	Ratio	Lower	Upper
248	100		
250	204.7	78.9	118.3#
141	406.9	43.3	64.9#





#71

Phenanthrene

Concen: 0.037 ng

RT: 17.45 min Scan# 2445

Delta R.T. -0.01 min

Lab File: BG042409.D

Acq: 22 Aug 2019 20:15

Instrument :

BNA_G

ClientSampleId :

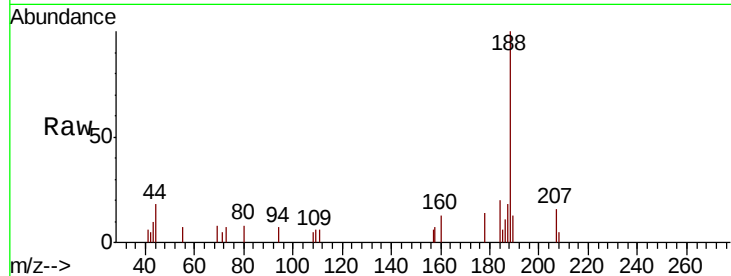
Tot Ion:178 Resp: 642

Ion Ratio Lower Upper

178 100

176 0.0 15.9 23.9#

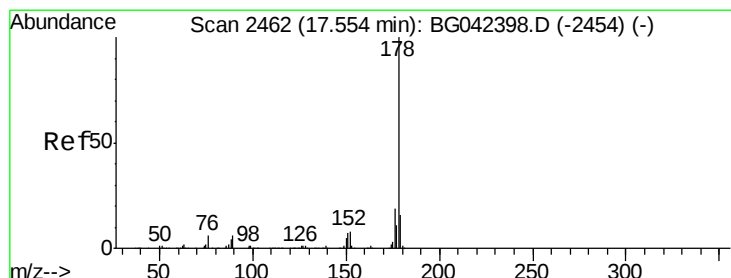
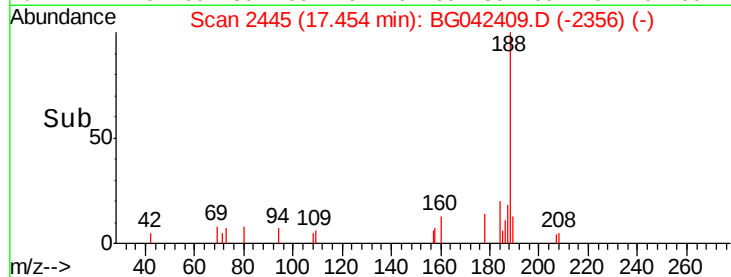
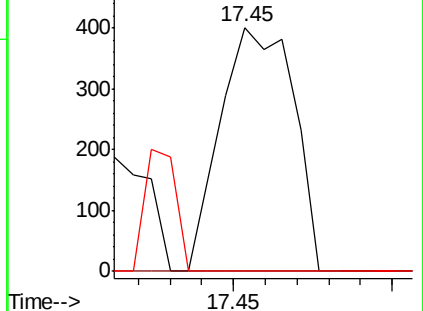
179 0.0 12.7 19.1#



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: 0.004 ng

RT: 17.55 min Scan# 2462

Delta R.T. -0.00 min

Lab File: BG042409.D

Acq: 22 Aug 2019 20:15

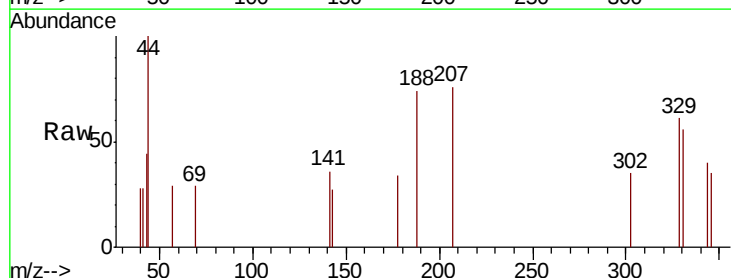
Tgt Ion:178 Resp: 66

Ion Ratio Lower Upper

178 100

176 0.0 15.5 23.3#

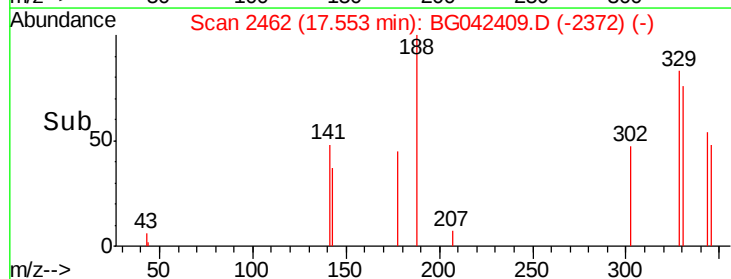
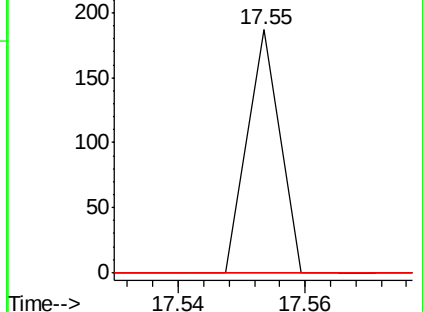
179 0.0 12.9 19.3#

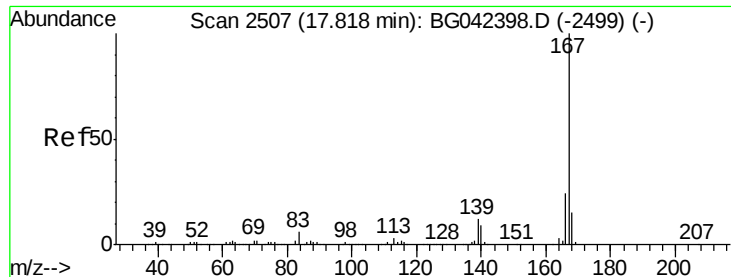


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 0.067 ng

RT: 17.68 min Scan# 2484

Delta R.T. -0.14 min

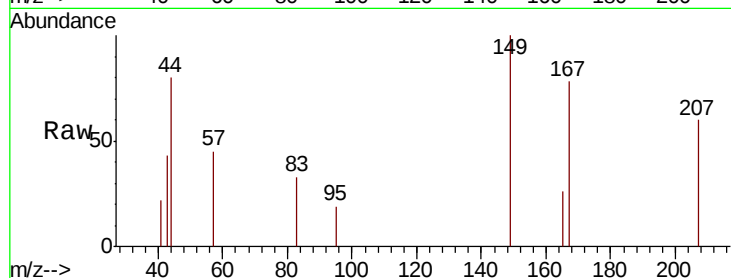
Lab File: BG042409.D

Acq: 22 Aug 2019 20:15

Instrument :

BNA_G

ClientSampleId :



Tot Ion:167 Resp: 1035

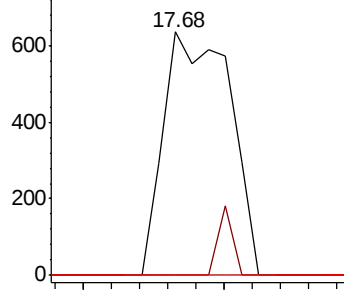
Ion Ratio Lower Upper

167 100

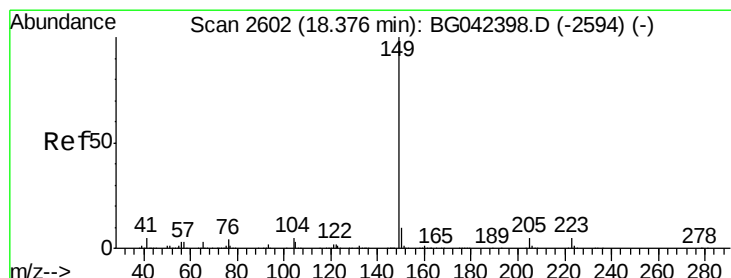
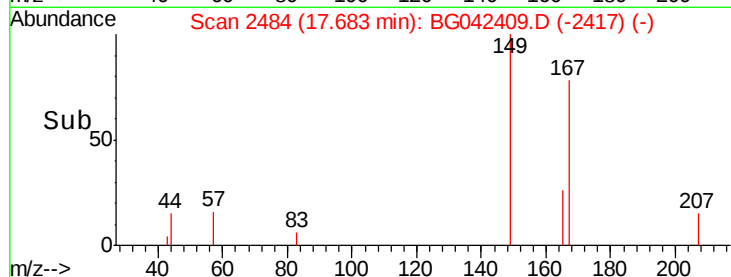
166 0.0 18.9 28.3#

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



Time-->



#74

Di-n-butylphthalate

Concen: 0.143 ng

RT: 18.38 min Scan# 2602

Delta R.T. -0.00 min

Lab File: BG042409.D

Acq: 22 Aug 2019 20:15

Tgt Ion:149 Resp: 2619

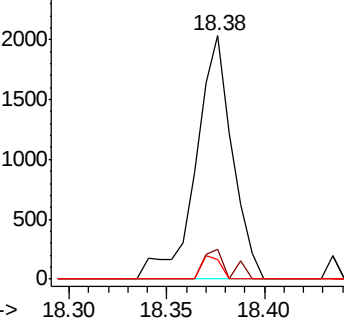
Ion Ratio Lower Upper

149 100

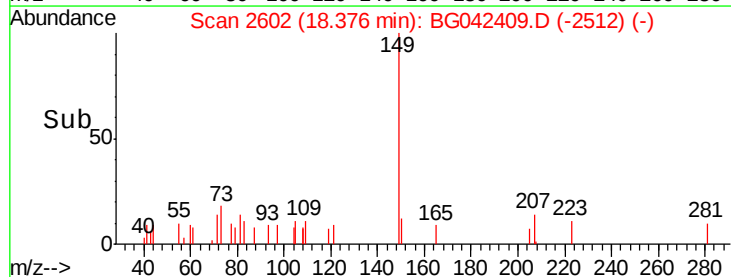
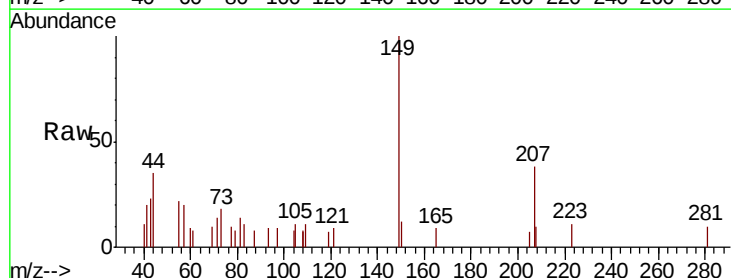
150 12.5 8.1 12.1#

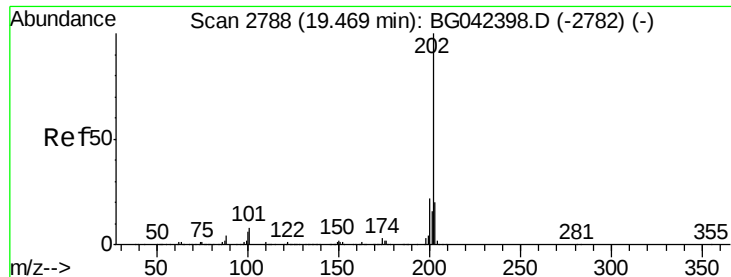
104 8.3 3.7 5.5#

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



Time-->





#75

Fluoranthene

Concen: 0.020 ng

RT: 19.47 min Scan# 2789

Delta R.T. 0.01 min

Lab File: BG042409.D

Acq: 22 Aug 2019 20:15

Instrument :

BNA_G

ClientSampleId :

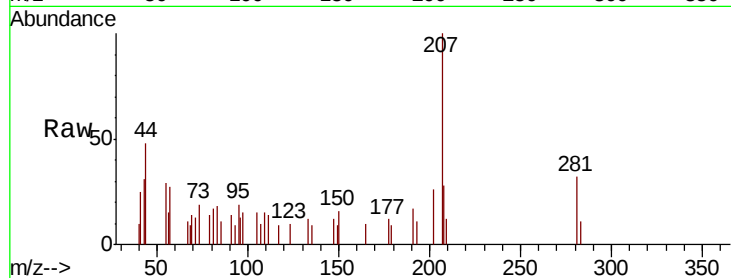
Tot Ion:202 Resp: 435

Ion Ratio Lower Upper

202 100

101 0.0 0.0 28.3

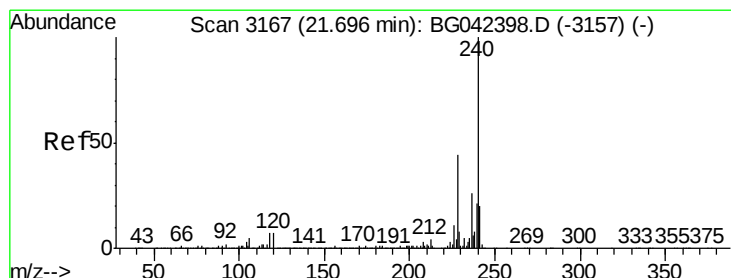
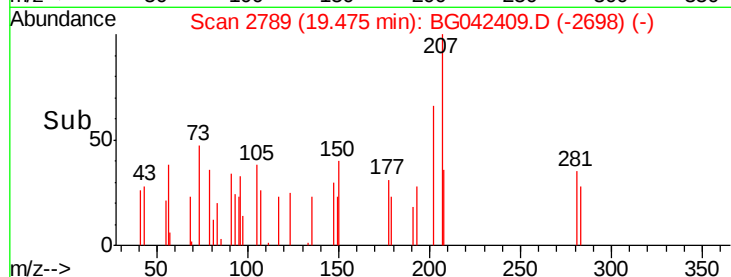
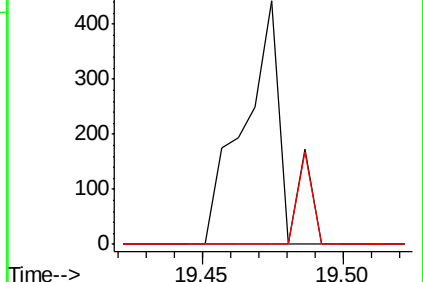
203 0.0 0.0 39.6



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: BG042409.D

Acq: 22 Aug 2019 20:15

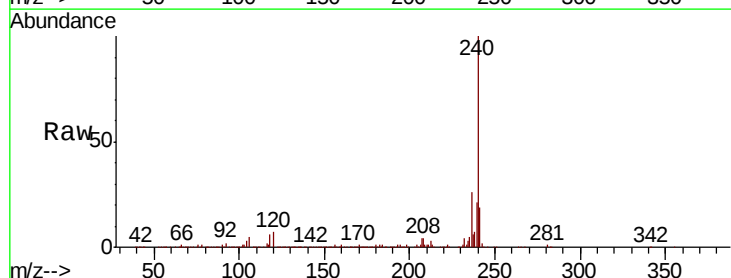
Tgt Ion:240 Resp: 357835

Ion Ratio Lower Upper

240 100

120 6.8 5.7 8.5

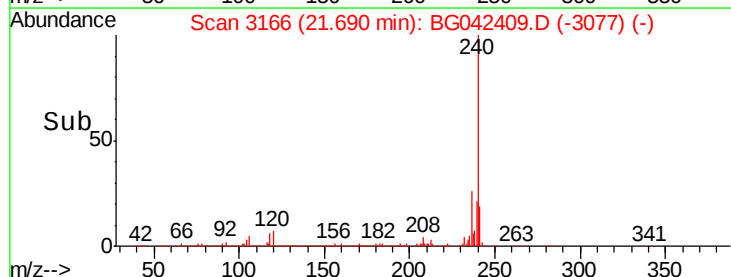
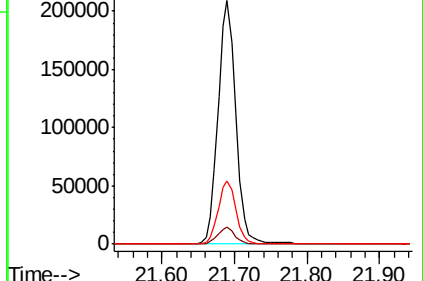
236 26.0 21.0 31.4

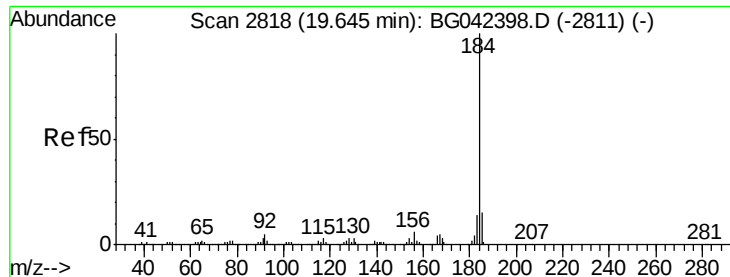


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.208 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.38 min

Lab File: BG042409.D

Acq: 22 Aug 2019 20:15

Instrument :

BNA_G

ClientSampleId :

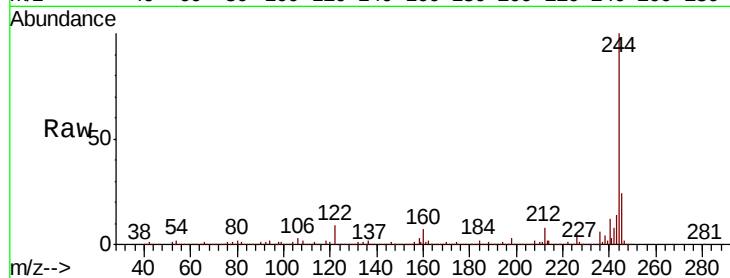
Tot Ion:184 Resp: 22653

Ion Ratio Lower Upper

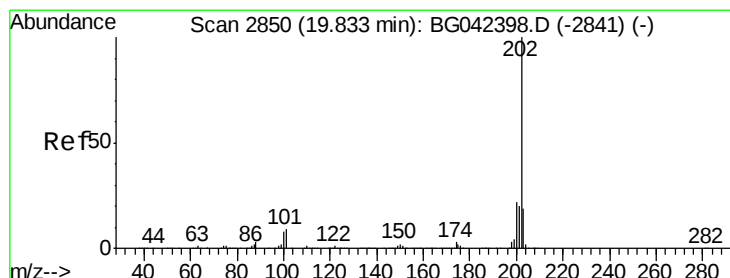
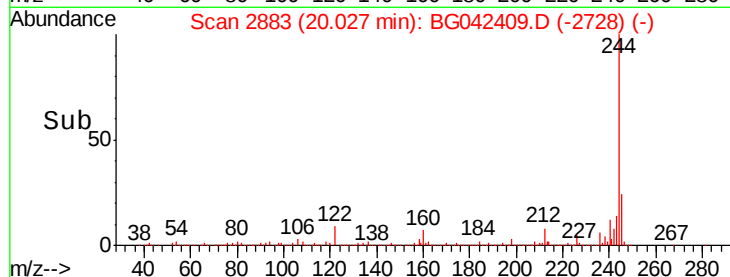
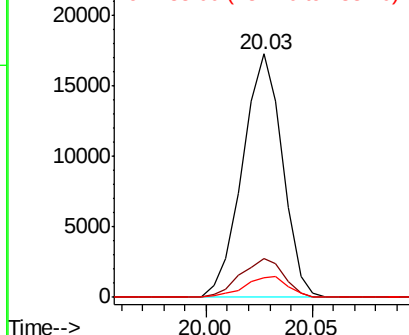
184 100

185 15.8 12.2 18.4

183 8.2 10.8 16.2#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 0.020 ng

RT: 19.83 min Scan# 2850

Delta R.T. -0.00 min

Lab File: BG042409.D

Acq: 22 Aug 2019 20:15

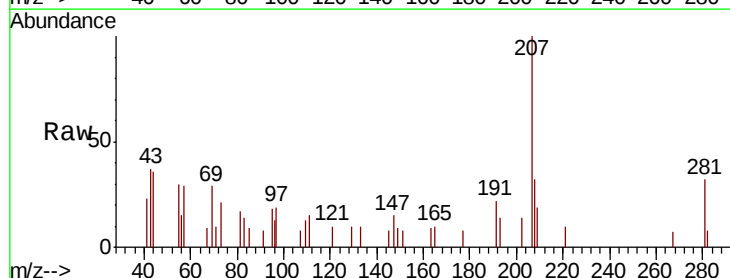
Tgt Ion:202 Resp: 449

Ion Ratio Lower Upper

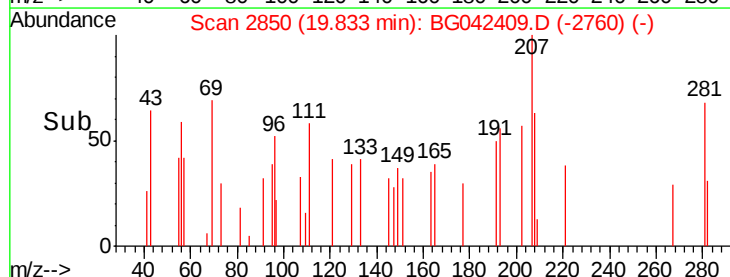
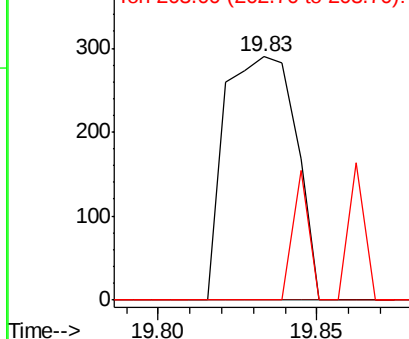
202 100

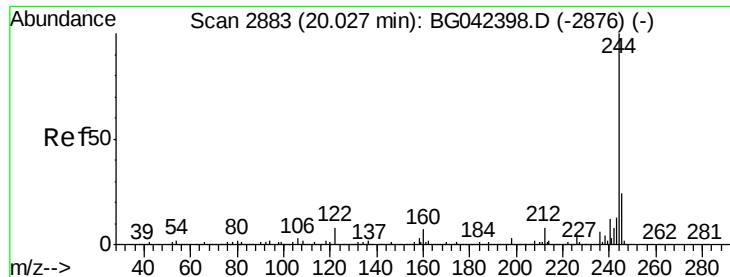
200 0.0 17.8 26.6#

203 0.0 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: 99.206 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.00 min

Lab File: BG042409.D

Acq: 22 Aug 2019 20:15

Instrument :

BNA_G

ClientSampleId :

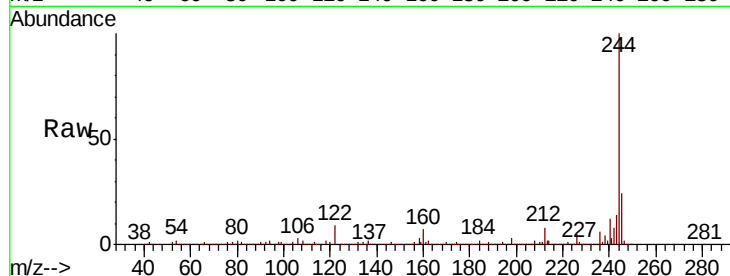
Tot Ion:244 Resp: 1642026

Ion Ratio Lower Upper

244 100

212 8.1 6.0 9.0

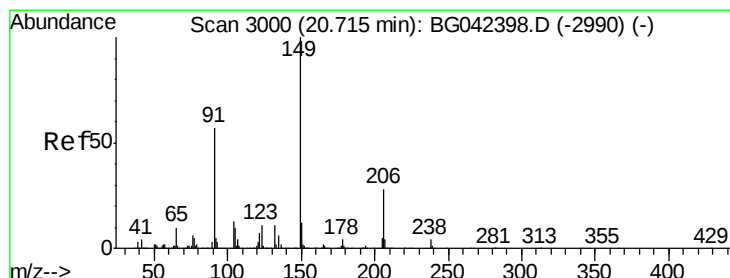
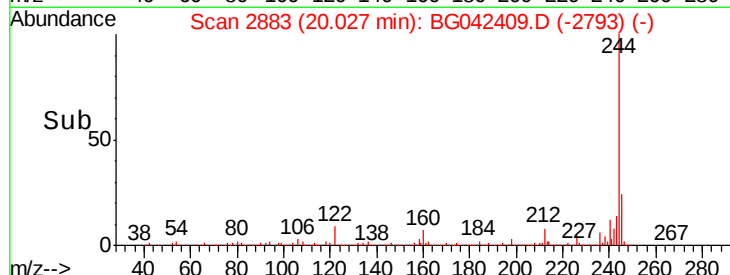
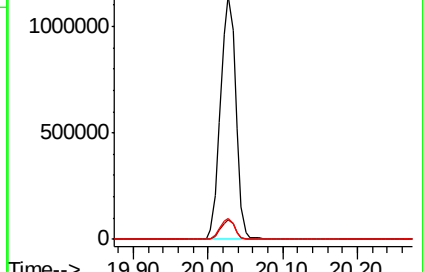
122 8.8 6.7 10.1



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: 0.027 ng

RT: 20.71 min Scan# 2999

Delta R.T. -0.01 min

Lab File: BG042409.D

Acq: 22 Aug 2019 20:15

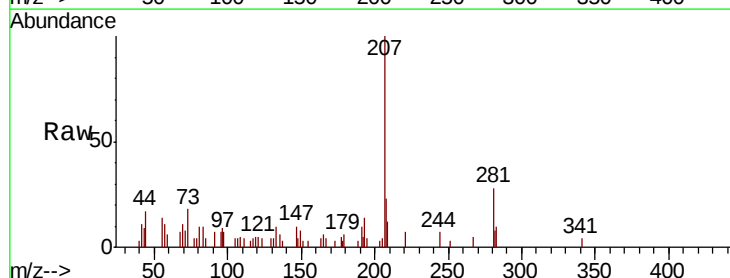
Tgt Ion:149 Resp: 236

Ion Ratio Lower Upper

149 100

91 89.5 45.9 68.9#

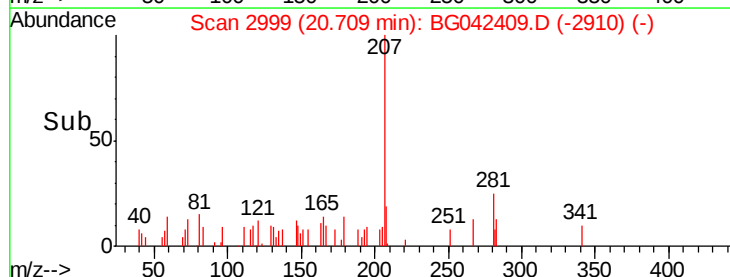
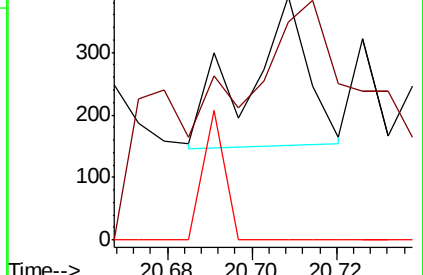
206 0.0 22.5 33.7#

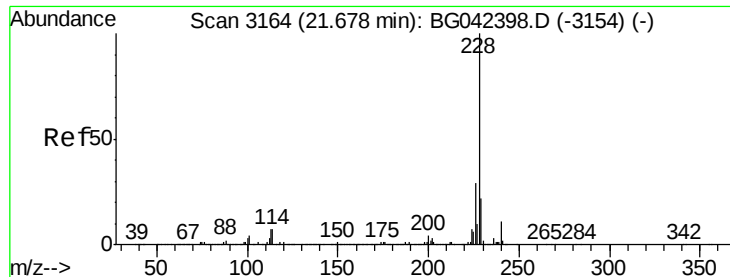


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 0.061 ng

RT: 21.69 min Scan# 3166

Delta R.T. 0.01 min

Lab File: BG042409.D

Acq: 22 Aug 2019 20:15

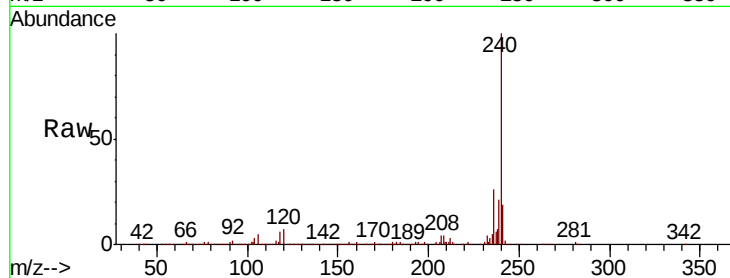
Instrument :

BNA_G

ClientSampleId :

Tot Ion:228 Resp: 1331

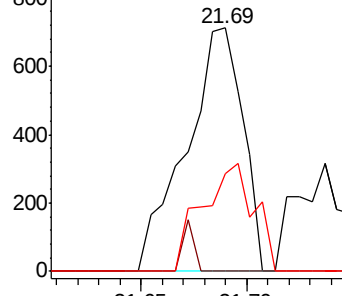
Ion	Ratio	Lower	Upper
228	100		
226	0.0	23.4	35.2#
229	40.2	17.4	26.2#



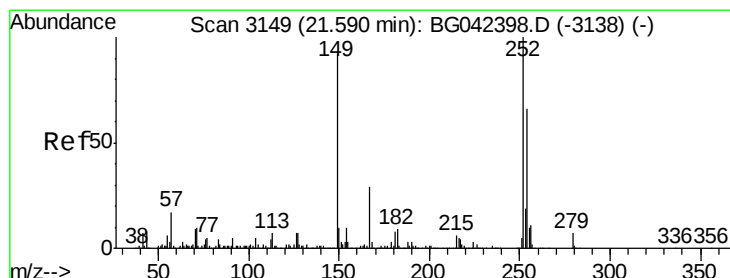
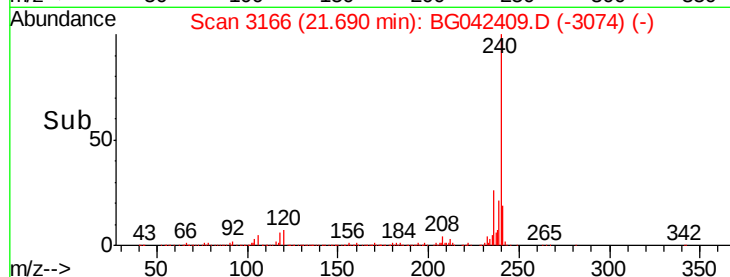
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#82

3,3'-Dichlorobenzidine

Concen: 0.007 ng

RT: 21.59 min Scan# 3149

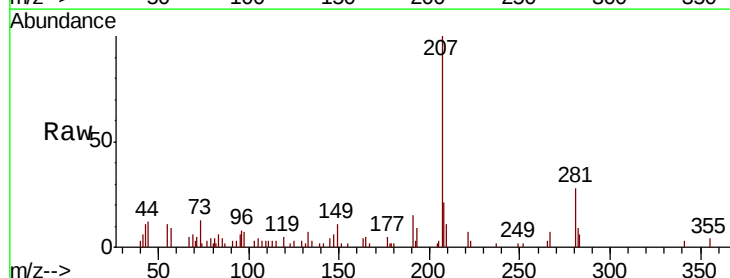
Delta R.T. -0.00 min

Lab File: BG042409.D

Acq: 22 Aug 2019 20:15

Tgt Ion:252 Resp: 57

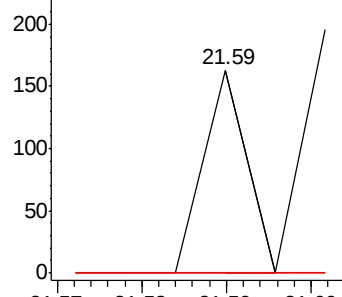
Ion	Ratio	Lower	Upper
252	100		
254	0.0	53.0	79.4#
126	0.0	5.7	8.5#



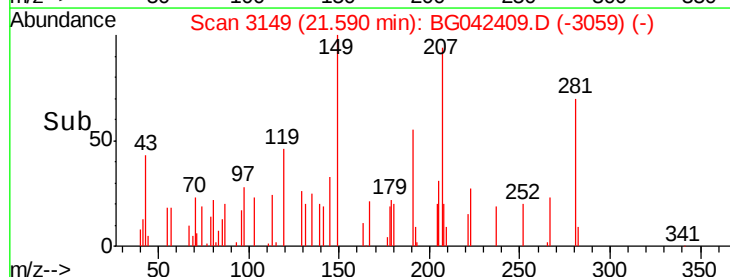
Abundance Ion 252.00 (251.70 to 252.70): E

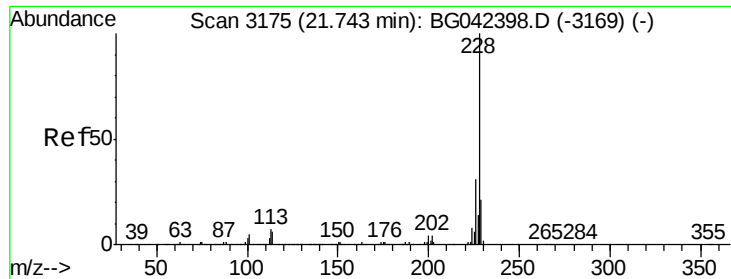
Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



Time-->

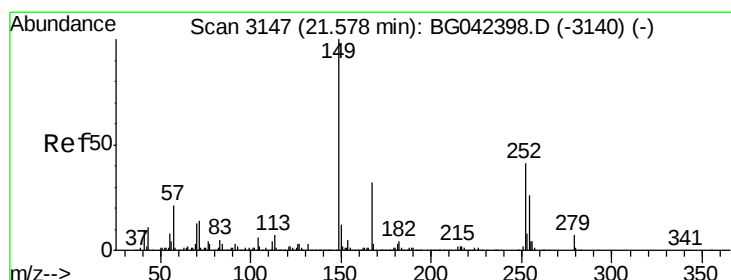
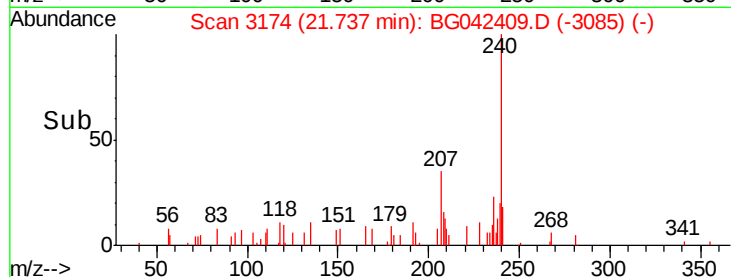
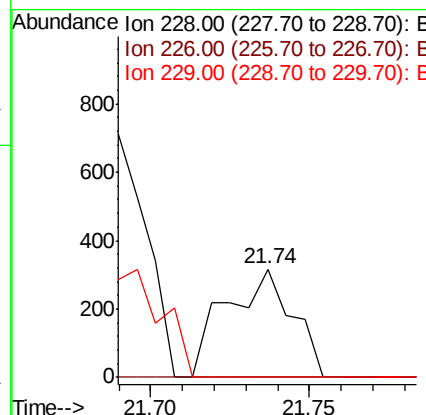
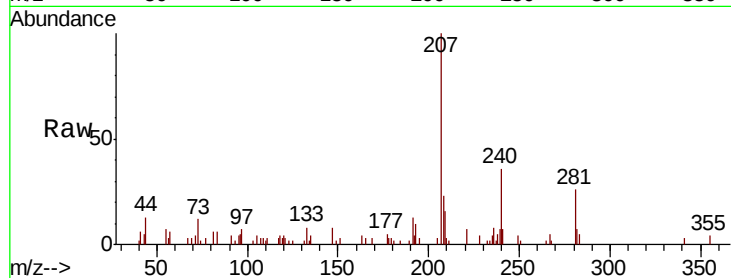




#83
 Chrysene
 Concen: 0.022 ng
 RT: 21.74 min Scan# 3174
 Delta R.T. -0.01 min
 Lab File: BG042409.D
 Acq: 22 Aug 2019 20:15

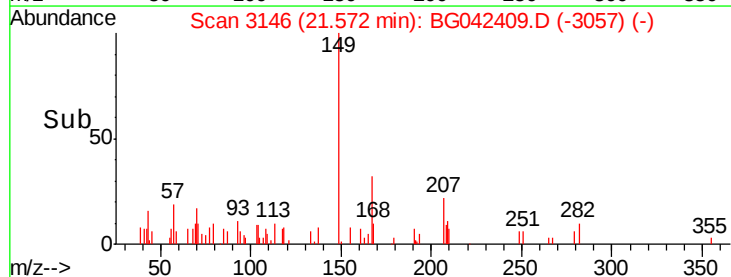
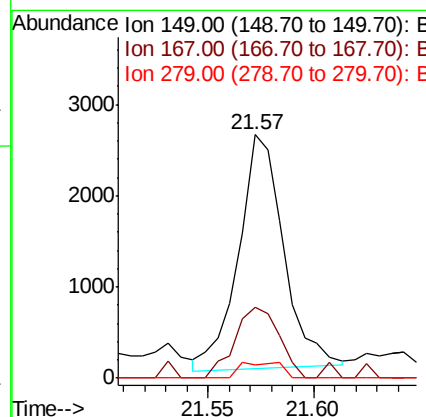
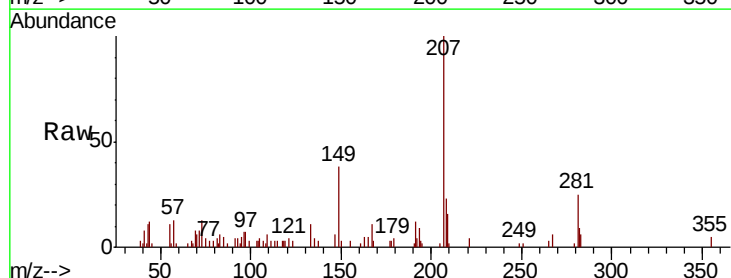
Instrument :
 BNA_G
 ClientSampled :

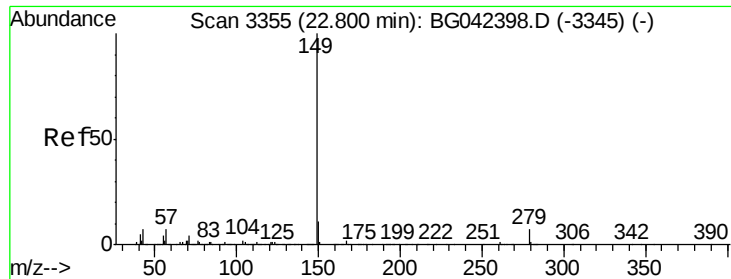
Tot Ion	Ratio	Lower	Upper
228	100		
226	0.0	24.9	37.3#
229	0.0	16.9	25.3#



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 0.318 ng
 RT: 21.57 min Scan# 3146
 Delta R.T. -0.01 min
 Lab File: BG042409.D
 Acq: 22 Aug 2019 20:15

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.2	26.0	39.0
279	5.7	5.4	8.0

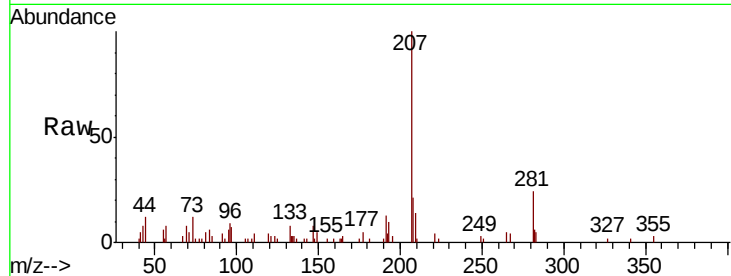




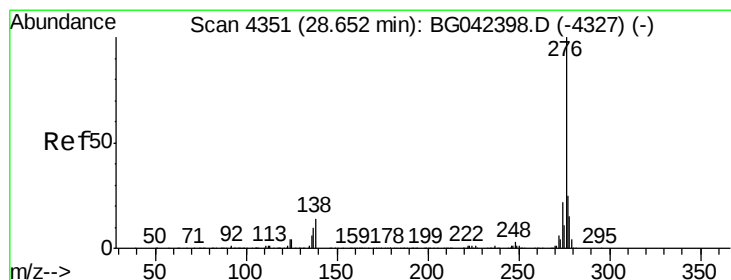
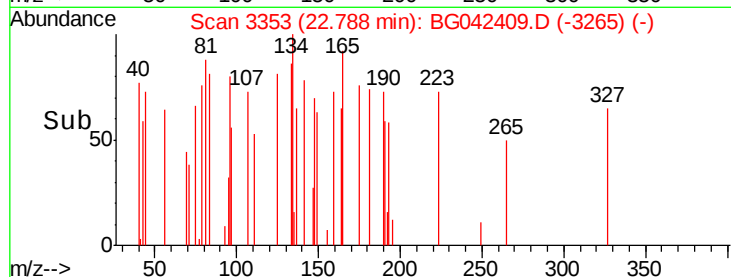
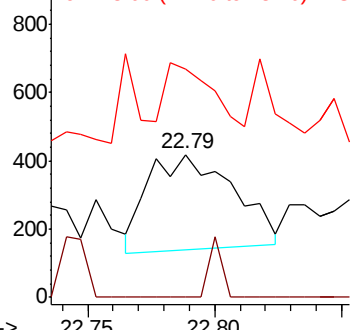
#85
Di-n-octyl phthalate
Concen: 0.031 ng
RT: 22.79 min Scan# 3353
Delta R.T. -0.01 min
Lab File: BG042409.D
Acq: 22 Aug 2019 20:15

Instrument :
BNA_G
ClientSampled :

Tot Ion:149 Resp: 646
Ion Ratio Lower Upper
149 100
167 9.6 1.6 2.4#
43 0.0 5.3 7.9#

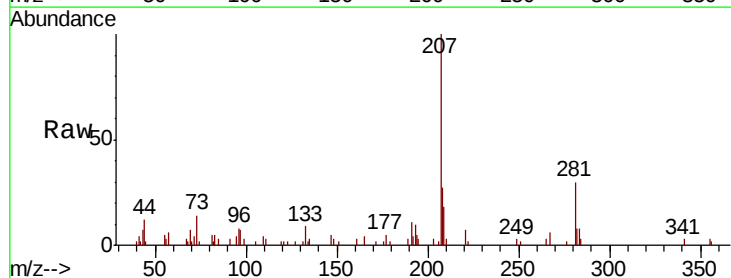


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BGC

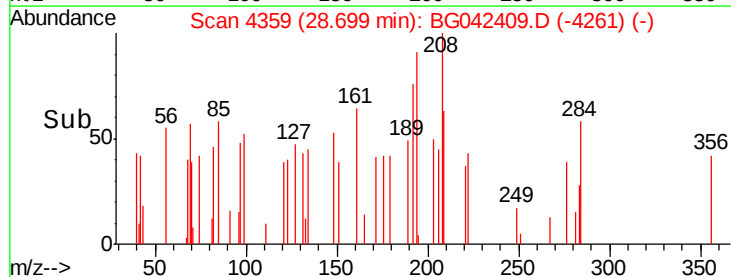
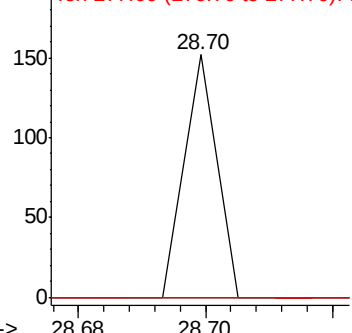


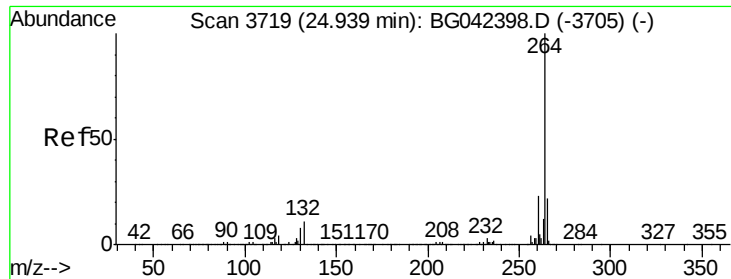
#86
Indeno(1,2,3-cd)pyrene
Concen: 0.002 ng
RT: 28.70 min Scan# 4359
Delta R.T. 0.05 min
Lab File: BG042409.D
Acq: 22 Aug 2019 20:15

Tgt Ion:276 Resp: 54
Ion Ratio Lower Upper
276 100
138 0.0 9.2 13.8#
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



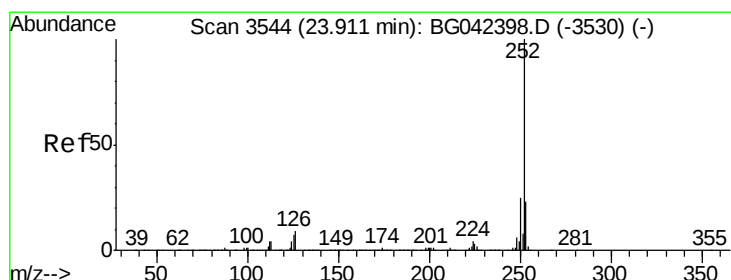
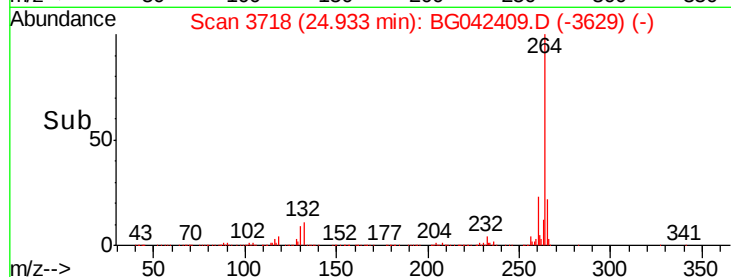
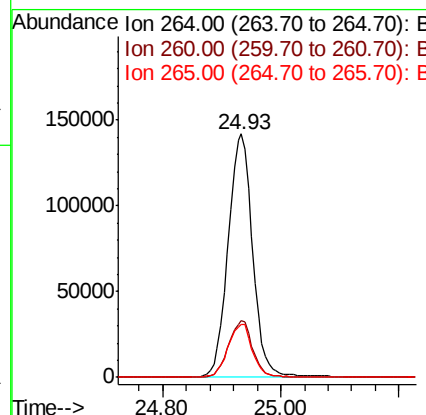
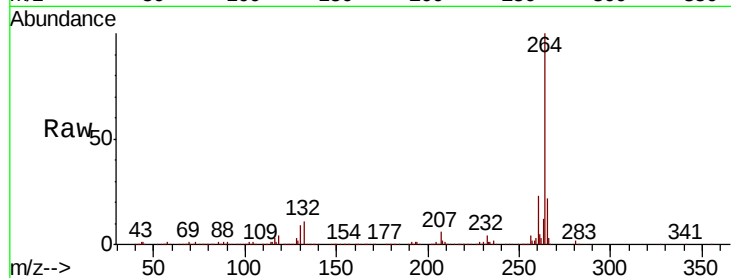


#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.93 min Scan# 3718
Delta R.T. -0.01 min
Lab File: BG042409.D
Acq: 22 Aug 2019 20:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion:264 Resp: 411546

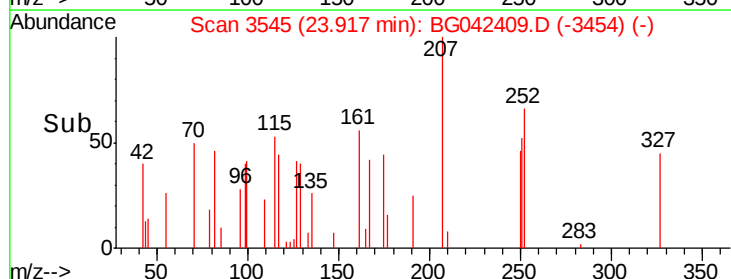
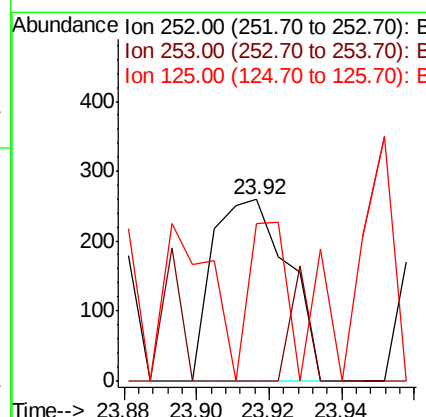
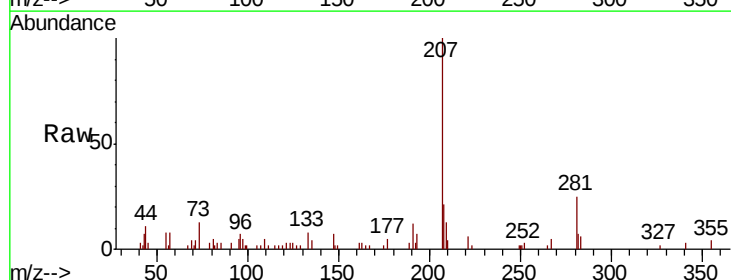
Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.5	27.7
265	21.9	17.6	26.4

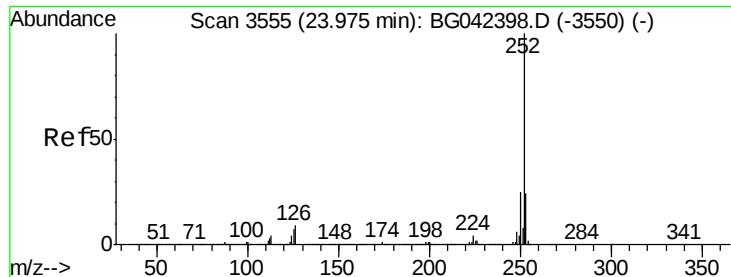


#88
Benzo(b)fluoranthene
Concen: 0.017 ng
RT: 23.92 min Scan# 3545
Delta R.T. 0.01 min
Lab File: BG042409.D
Acq: 22 Aug 2019 20:15

Tgt Ion:252 Resp: 374

Ion	Ratio	Lower	Upper
252	100		
253	0.0	18.6	27.8#
125	86.9	5.6	8.4#





#89

Benzo(k)fluoranthene

Concen: 0.021 ng

RT: 23.99 min Scan# 3558

Delta R.T. 0.02 min

Lab File: BG042409.D

Acq: 22 Aug 2019 20:15

Instrument :

BNA_G

ClientSampled :

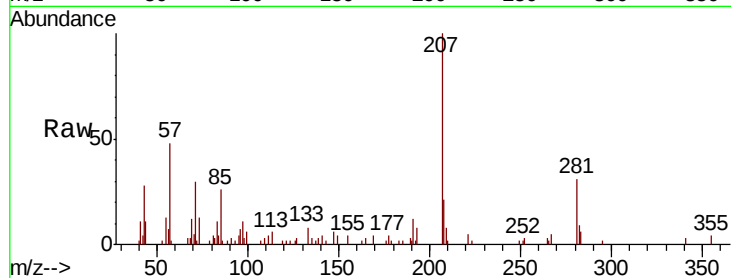
Tot Ion:252 Resp: 448

Ion Ratio Lower Upper

252 100

253 0.0 18.6 27.8#

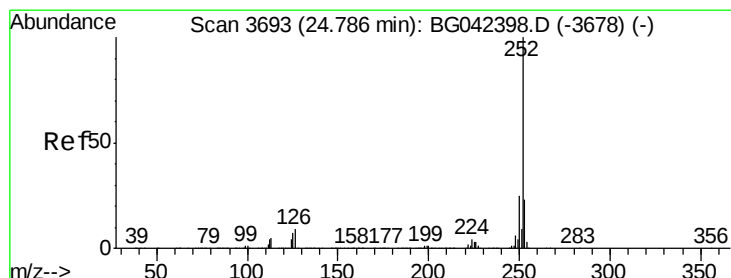
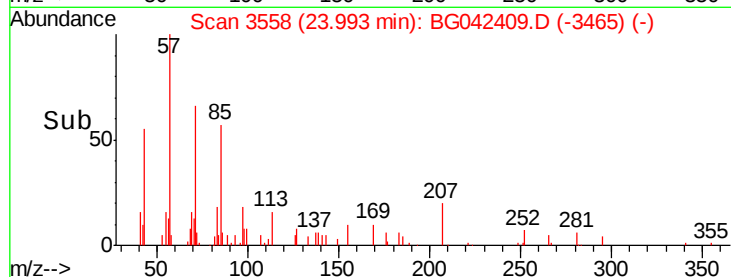
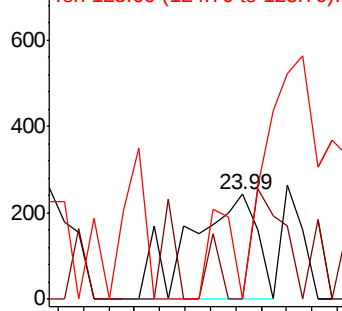
125 0.0 5.8 8.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 0.006 ng

RT: 24.77 min Scan# 3691

Delta R.T. -0.01 min

Lab File: BG042409.D

Acq: 22 Aug 2019 20:15

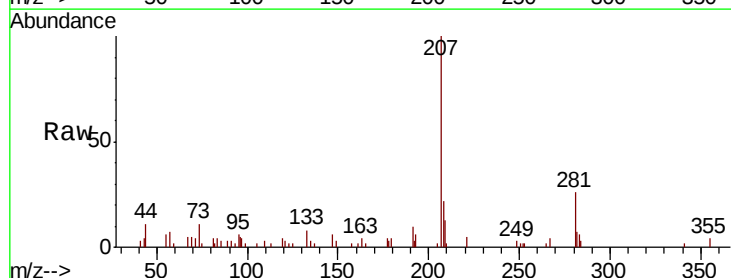
Tgt Ion:252 Resp: 139

Ion Ratio Lower Upper

252 100

253 76.6 18.4 27.6#

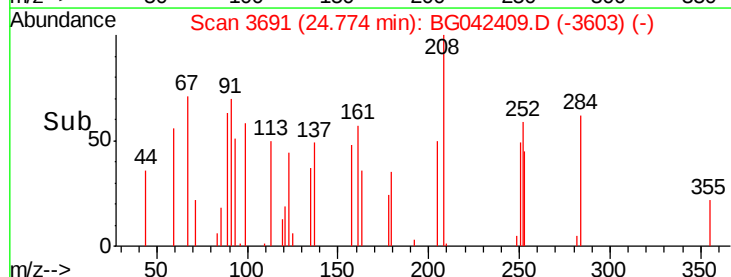
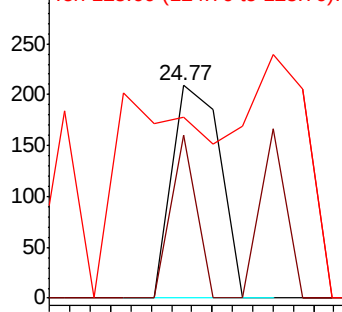
125 85.2 6.0 9.0#

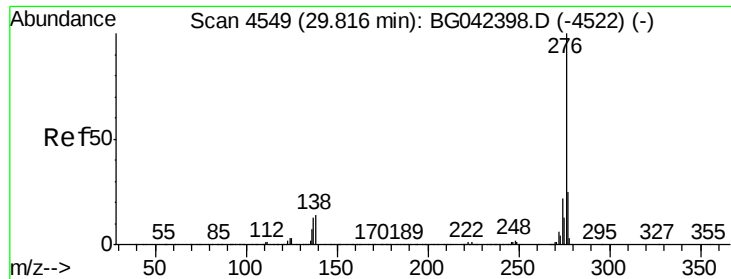


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 0.005 ng
 RT: 29.81 min Scan# 4548
 Delta R.T. -0.01 min
 Lab File: BG042409.D
 Acq: 22 Aug 2019 20:15

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	0.0	19.8	29.8#
138	93.9	11.4	17.0#

