

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082219\
 Data File : BG042413.D
 Acq On : 22 Aug 2019 22:50
 Operator : HP/JU
 Sample : K4452-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 23 02:37:46 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	77556	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	235223	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	174110	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	391943	20.00	ng	0.00
76) Chrysene-d12	21.69	240	406101	20.00	ng	0.00
87) Perylene-d12	24.93	264	467741	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	581330	151.81	ng	0.00
7) Phenol-d6	7.17	99	801845	155.02	ng	0.00
23) Nitrobenzene-d5	9.17	82	414745	121.84	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	317630	128.35	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	979324	95.13	ng	0.00
79) Terphenyl-d14	20.03	244	1572712	83.72	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.45	88	289	0.181	ng	# 50
3) Pyridine	3.68	79	57	0.014	ng	# 1
4) n-Nitrosodimethylamine	3.78	42	388	0.265	ng	# 1
6) Aniline	7.18	93	55	0.008	ng	# 1
8) 2-Chlorophenol	7.57	128	65	0.014	ng	# 1
9) Benzaldehyde	7.12	77	61	0.024	ng	# 1
10) Phenol	7.19	94	5551	1.055	ng	# 60
11) bis(2-Chloroethyl)ether	7.53	93	783	0.190	ng	# 1
15) Benzyl Alcohol	8.33	79	7229	1.943	ng	# 47
19) n-Nitroso-di-n-propylamine	9.17	70	52853	15.772	ng	# 75
22) Acetophenone	8.56	105	59	0.012	ng	# 54
24) Nitrobenzene	9.16	77	1267	0.368	ng	# 32
25) Isophorone	9.64	82	194	0.029	ng	# 59
35) Caprolactam	11.86	113	219	0.169	ng	# 44
37) 2-Methylnaphthalene	12.49	142	62	0.007	ng	# 15
38) 1-Methylnaphthalene	12.49	142	62	0.007	ng	# 5
46) 1,1'-Biphenyl	13.50	154	1597	0.142	ng	# 66
48) 2-Nitroaniline	14.10	65	1137	0.486	ng	# 1
50) Dimethylphthalate	14.11	163	177869	14.159	ng	# 98
51) 2,6-Dinitrotoluene	14.11	165	2049	0.704	ng	# 30
52) Acenaphthene	14.67	154	623	0.070	ng	# 4
55) Dibenzofuran	15.06	168	55	0.004	ng	# 48
56) 4-Nitrophenol	14.81	139	59	0.029	ng	# 1
57) 2,4-Dinitrotoluene	14.66	165	22488	5.393	ng	# 42
58) Fluorene	16.15	166	11784	0.982	ng	# 90
60) Diethylphthalate	15.47	149	291	0.024	ng	# 56
63) Azobenzene	16.15	77	1129	0.134	ng	# 1
65) 4,6-Dinitro-2-methylphenol	16.15	198	681	0.277	ng	# 1
66) n-Nitrosodiphenylamine	15.92	169	422	0.039	ng	# 75
67) 4-Bromophenyl-phenylether	16.15	248	22892	4.605	ng	# 1
71) Phenanthrene	17.45	178	331	0.017	ng	# 59
72) Anthracene	17.55	178	55	0.003	ng	# 60
73) Carbazole	17.82	167	58	0.003	ng	# 58
74) Di-n-butylphthalate	18.38	149	1646	0.080	ng	# 77

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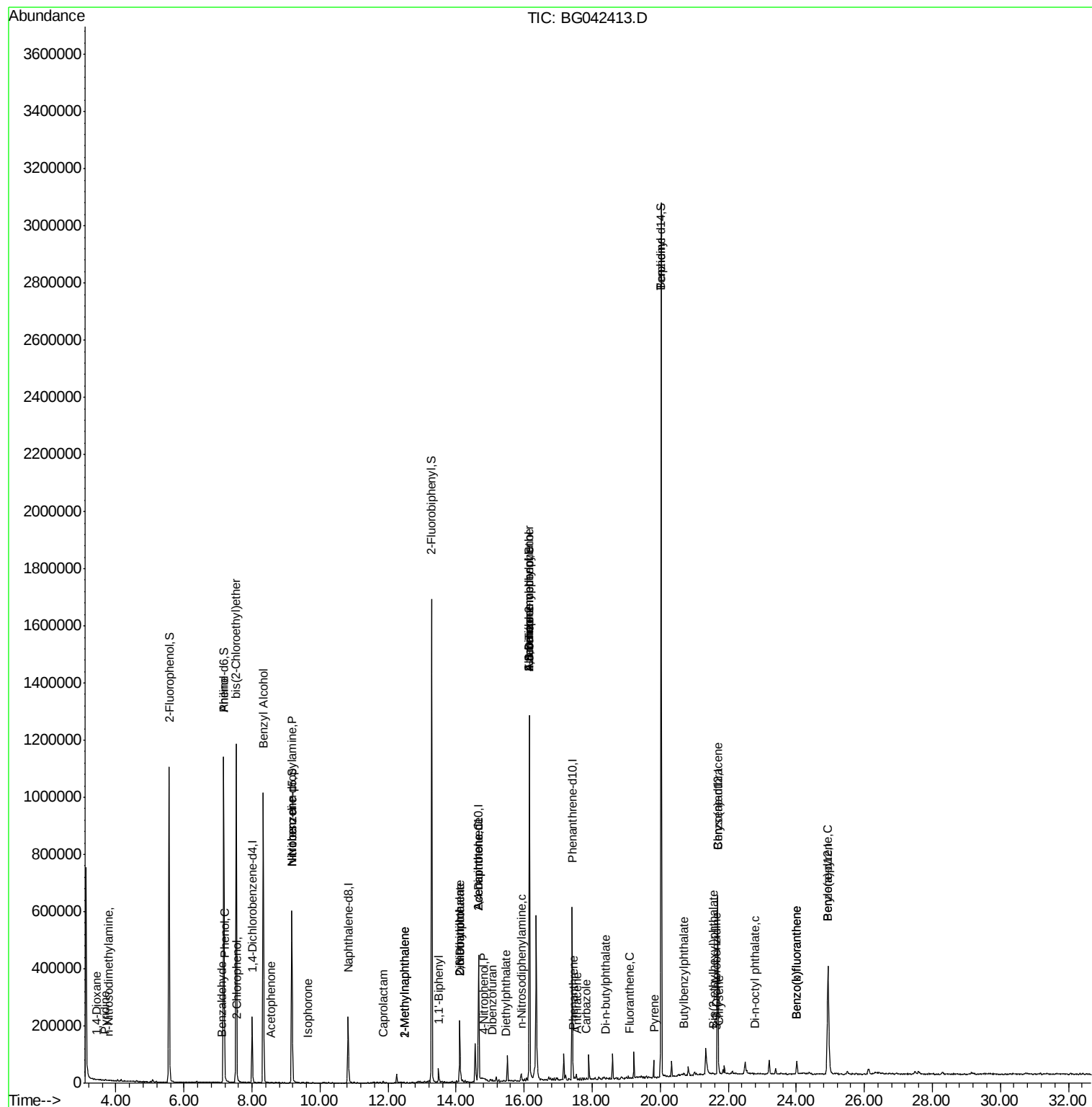
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) Fluoranthene	19.10	202	54	0.002	ng	63
77) Benzidine	20.03	184	21170	1.818	ng	# 96
78) Pyrene	19.84	202	279	0.011	ng	# 55
80) Butylbenzylphthalate	20.70	149	398	0.041	ng	# 25
81) Benzo(a)anthracene	21.69	228	1246	0.050	ng	# 52
82) 3,3'-Dichlorobenzidine	21.63	252	62	0.006	ng	# 23
83) Chrysene	21.74	228	71	0.003	ng	# 48
84) Bis(2-ethylhexyl)phthalate	21.58	149	1697	0.125	ng	# 89
85) Di-n-octyl phthalate	22.77	149	665	0.028	ng	# 84
88) Benzo(b)fluoranthene	24.00	252	111	0.004	ng	# 1
89) Benzo(k)fluoranthene	24.00	252	111	0.004	ng	# 1
90) Benzo(a)pyrene	24.94	252	1918	0.079	ng	# 46

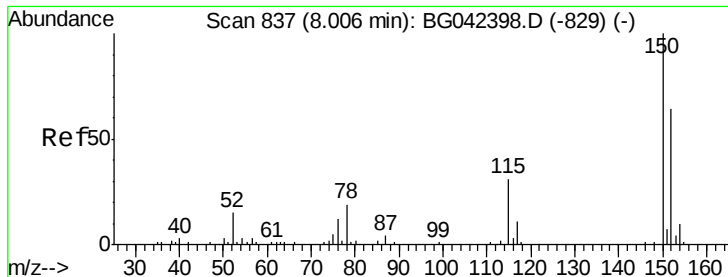
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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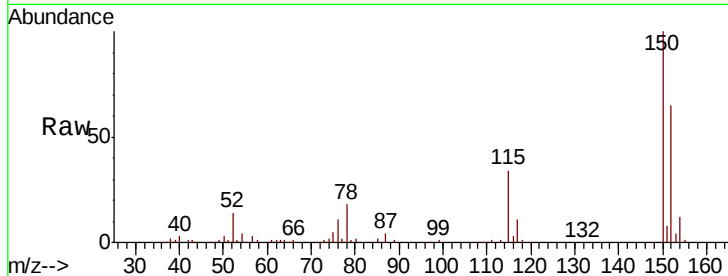


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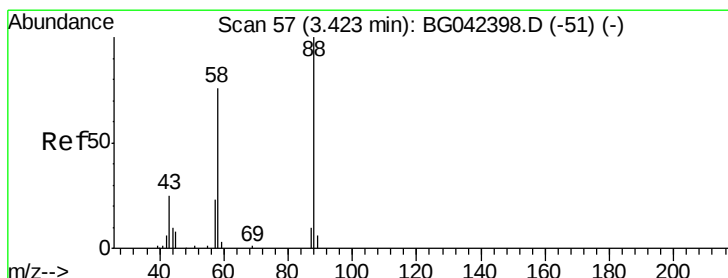
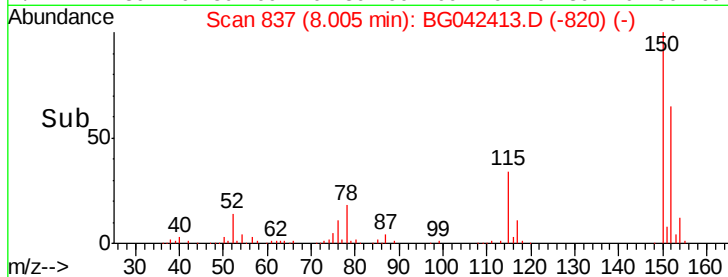
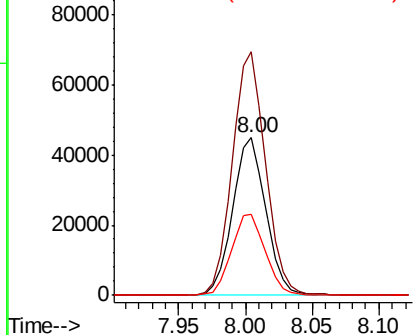
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 837
Delta R.T. -0.00 min
Lab File: BG042413.D
Acq: 22 Aug 2019 22:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 77556
Ion Ratio Lower Upper
152 100
150 154.4 125.4 188.0
115 51.8 38.5 57.7



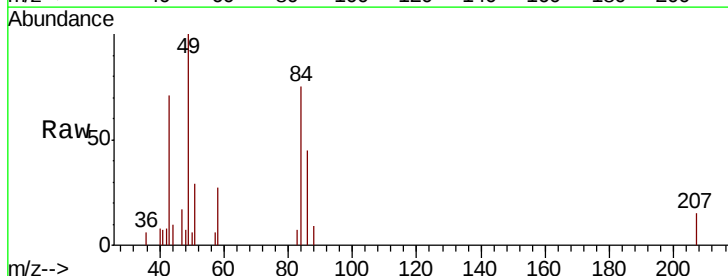
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



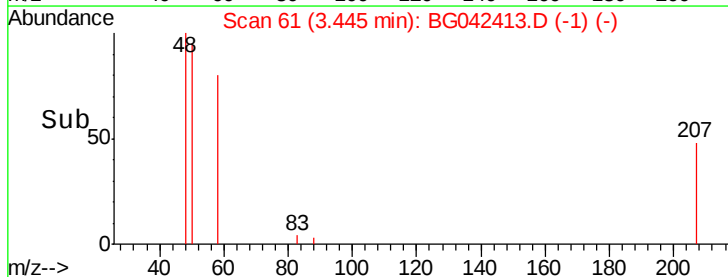
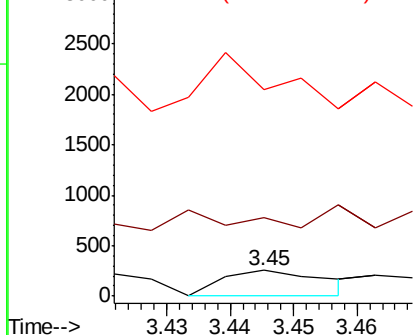
#2

1,4-Dioxane
Concen: 0.181 ng
RT: 3.45 min Scan# 61
Delta R.T. 0.02 min
Lab File: BG042413.D
Acq: 22 Aug 2019 22:50

Tgt Ion: 88 Resp: 289
Ion Ratio Lower Upper
88 100
58 31.5 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: 0.014 ng

RT: 3.68 min Scan# 101

Delta R.T. -0.15 min

Lab File: BG042413.D

Acq: 22 Aug 2019 22:50

Instrument :

BNA_G

ClientSampled :

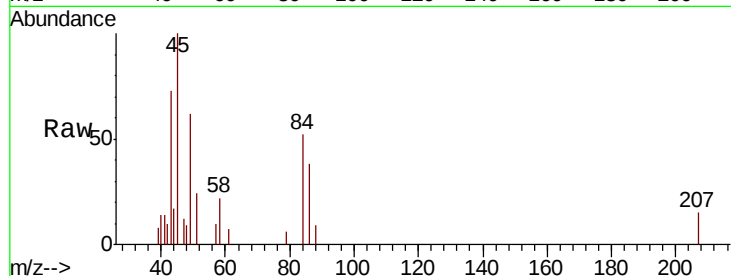
Tot Ion: 79 Resp: 57

Ion Ratio Lower Upper

79 100

52 0.0 57.7 86.5#

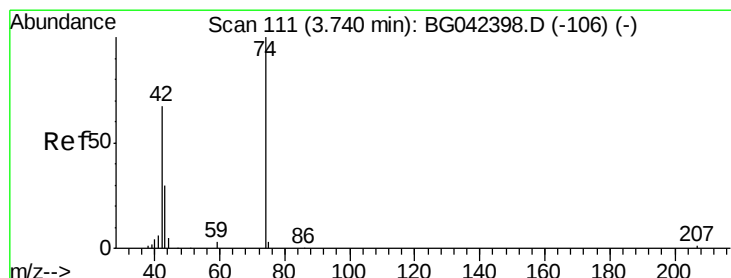
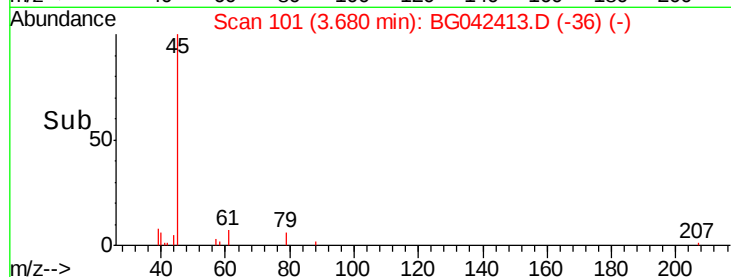
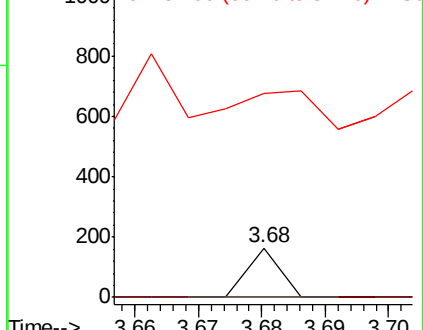
51 416.0 28.8 43.2#



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



#4

n-Nitrosodimethylamine

Concen: 0.265 ng

RT: 3.78 min Scan# 118

Delta R.T. 0.04 min

Lab File: BG042413.D

Acq: 22 Aug 2019 22:50

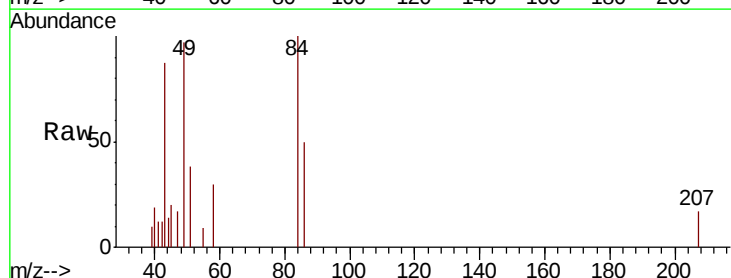
Tgt Ion: 42 Resp: 388

Ion Ratio Lower Upper

42 100

74 0.0 119.6 179.4#

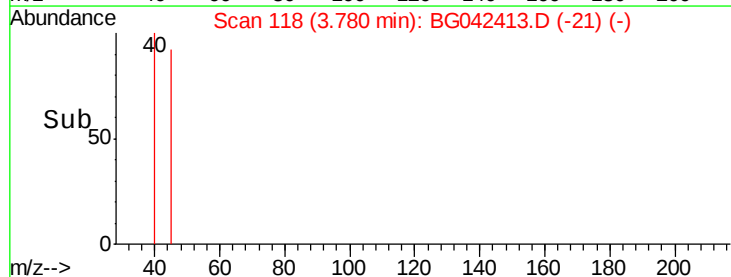
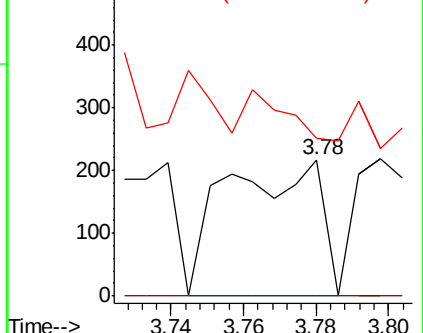
44 116.1 6.5 9.7#

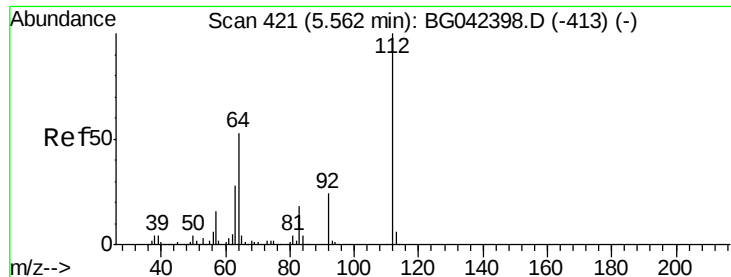


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 151.808 ng

RT: 5.56 min Scan# 421

Delta R.T. -0.00 min

Lab File: BG042413.D

Acq: 22 Aug 2019 22:50

Instrument :

BNA_G

ClientSampleId :

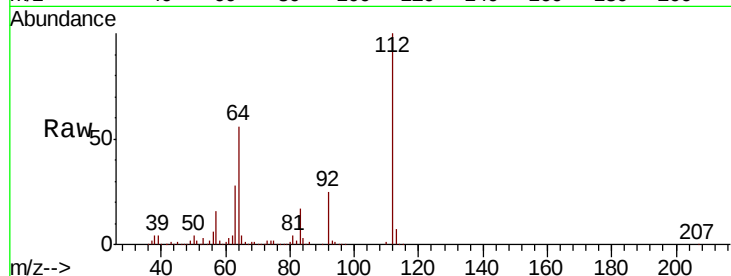
Tot Ion:112 Resp: 581330

Ion Ratio Lower Upper

112 100

64 56.4 42.8 64.2

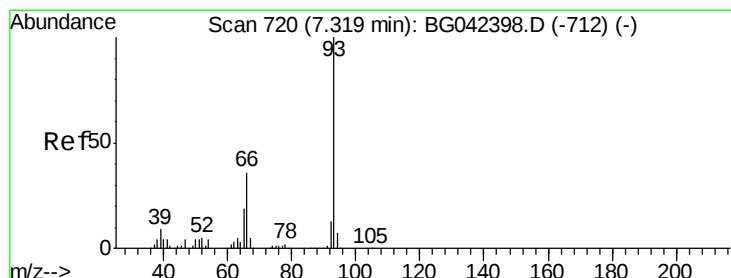
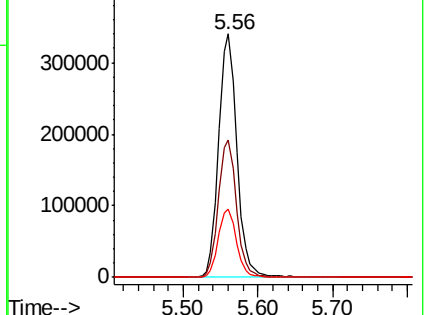
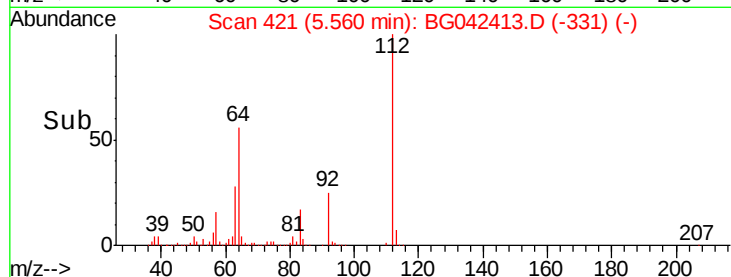
63 27.8 22.7 34.1



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: 0.008 ng

RT: 7.18 min Scan# 696

Delta R.T. -0.14 min

Lab File: BG042413.D

Acq: 22 Aug 2019 22:50

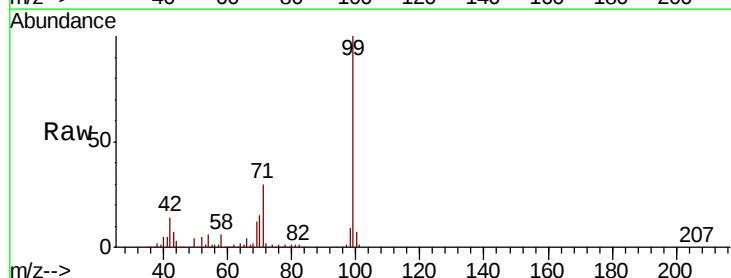
Tgt Ion: 93 Resp: 55

Ion Ratio Lower Upper

93 100

66 9245.5 29.0 43.6#

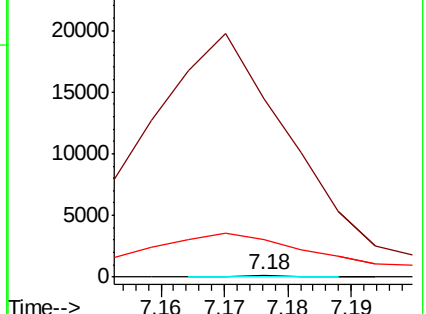
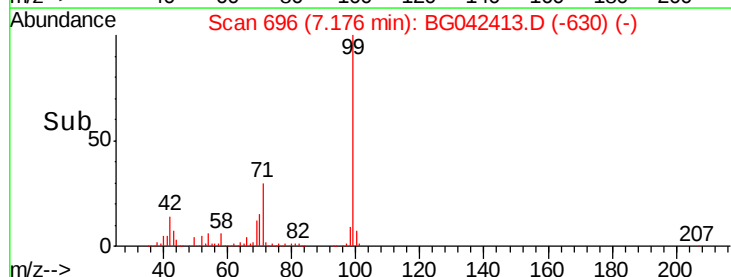
65 1935.3 15.2 22.8#

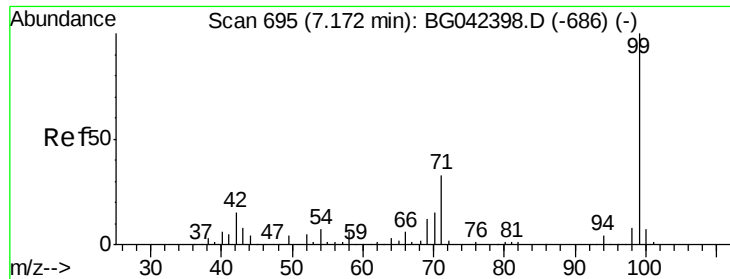


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 155.017 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.00 min

Lab File: BG042413.D

Acq: 22 Aug 2019 22:50

Instrument :

BNA_G

ClientSampled :

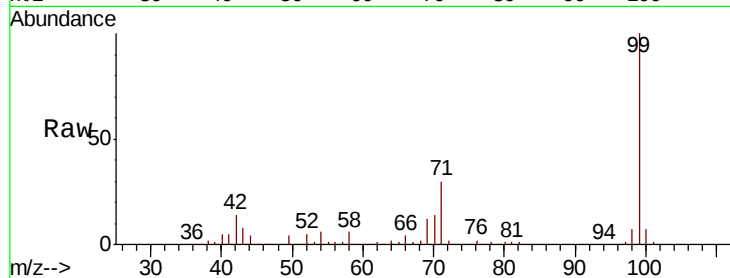
Tot Ion: 99 Resp: 801845

Ion Ratio Lower Upper

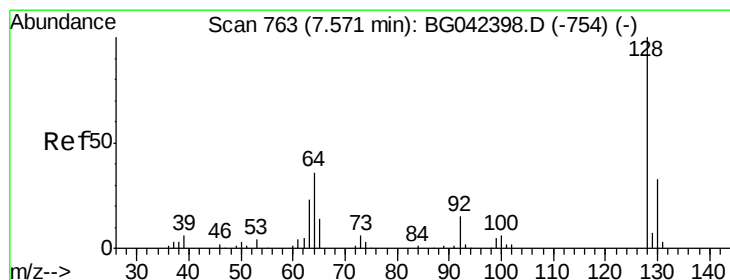
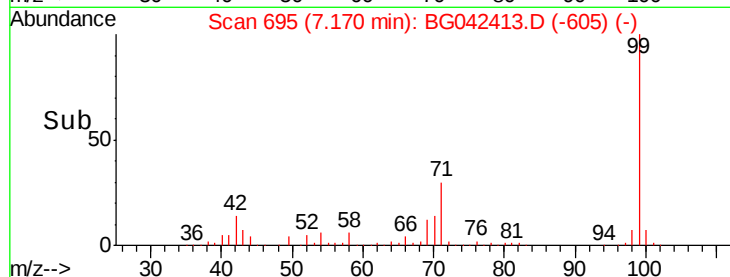
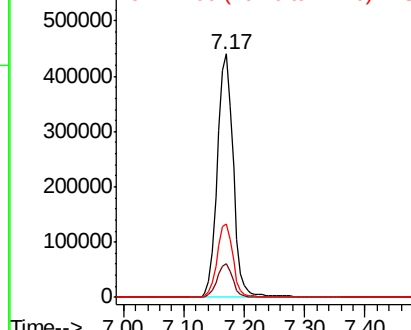
99 100

42 13.8 12.0 18.0

71 30.0 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



#8

2-Chlorophenol

Concen: 0.014 ng

RT: 7.57 min Scan# 763

Delta R.T. -0.00 min

Lab File: BG042413.D

Acq: 22 Aug 2019 22:50

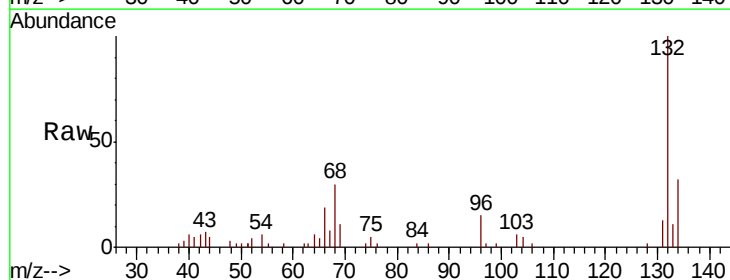
Tgt Ion: 128 Resp: 65

Ion Ratio Lower Upper

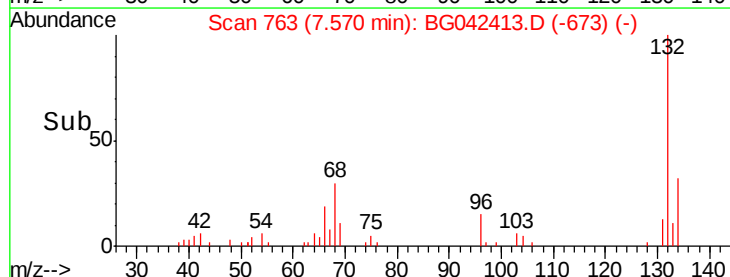
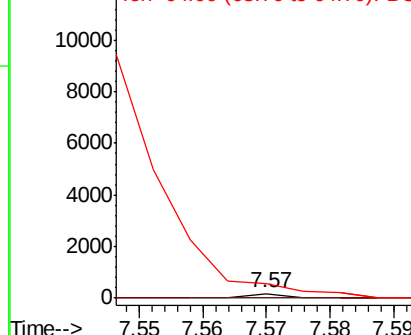
128 100

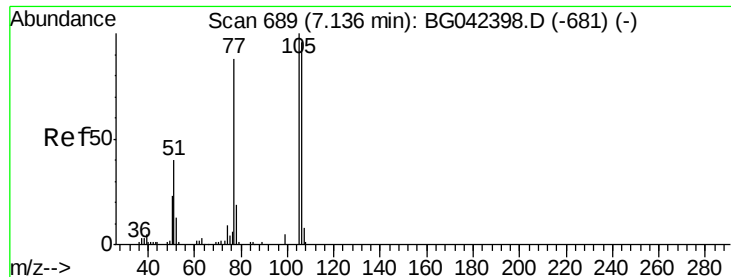
130 0.0 12.8 52.8#

64 306.0 19.2 59.2#



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 0.024 ng

RT: 7.12 min Scan# 687

Delta R.T. -0.01 min

Lab File: BG042413.D

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ClientSampleId :

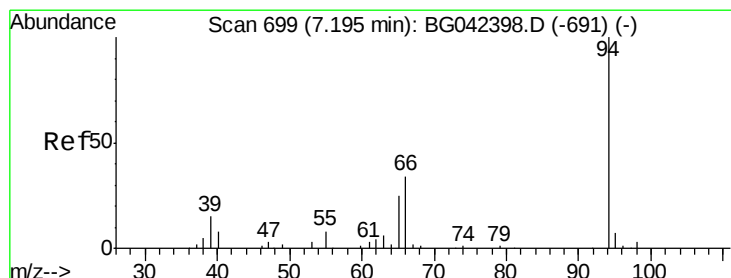
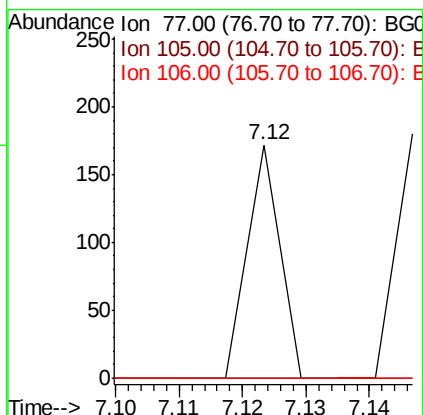
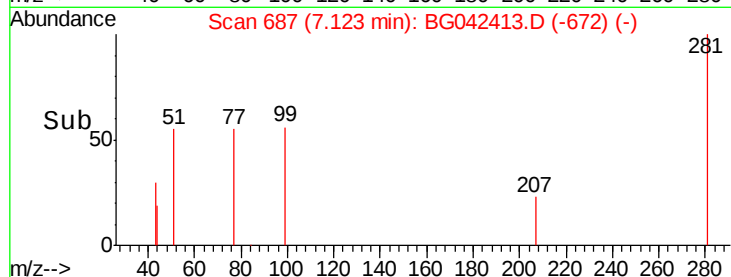
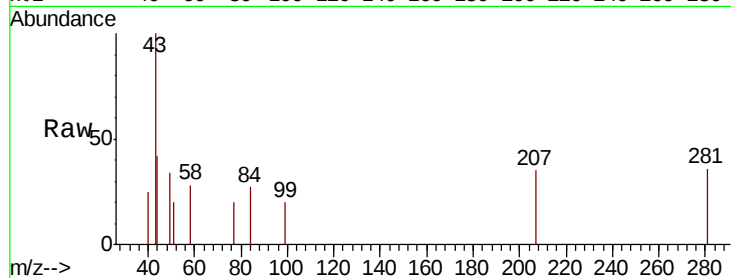
Tot Ion: 77 Resp: 61

Ion Ratio Lower Upper

77 100

105 0.0 93.4 133.4#

106 0.0 88.4 128.4#



#10

Phenol

Concen: 1.055 ng

RT: 7.19 min Scan# 699

Delta R.T. -0.00 min

Lab File: BG042413.D

Acq: 22 Aug 2019 22:50

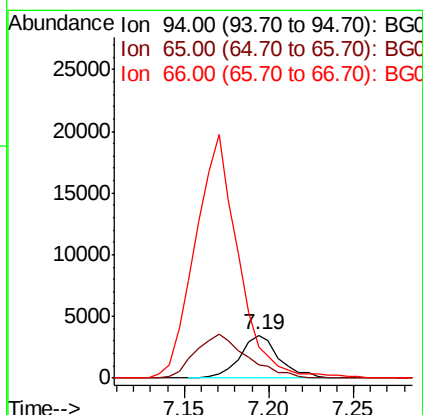
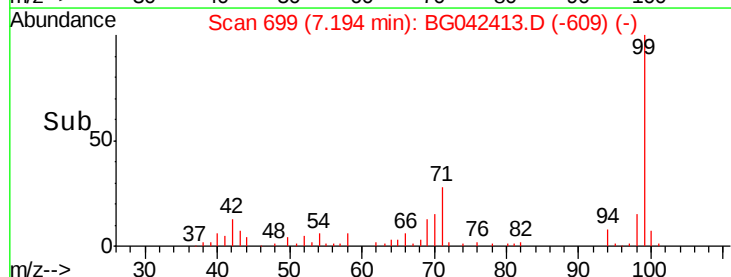
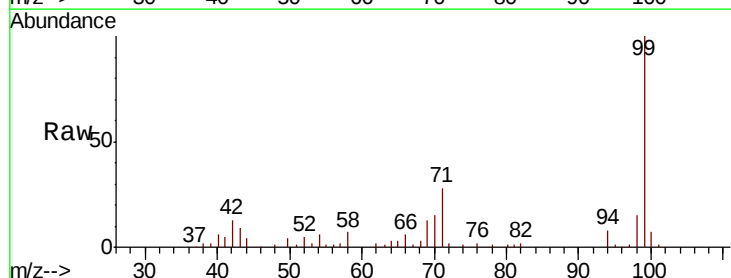
Tgt Ion: 94 Resp: 5551

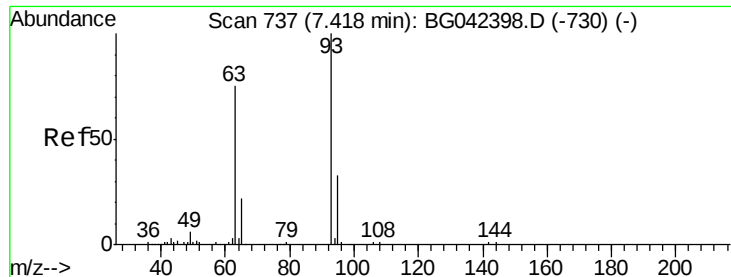
Ion Ratio Lower Upper

94 100

65 30.2 5.6 45.6

66 72.8 16.0 56.0#

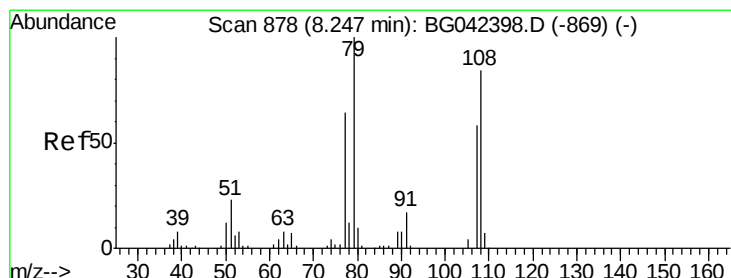
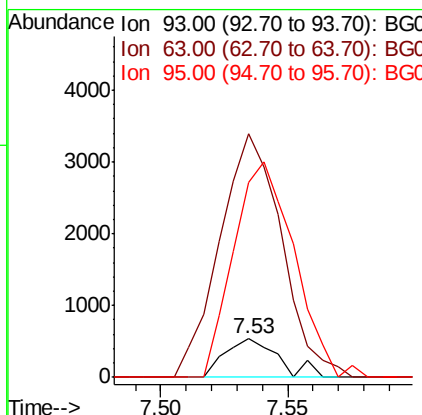
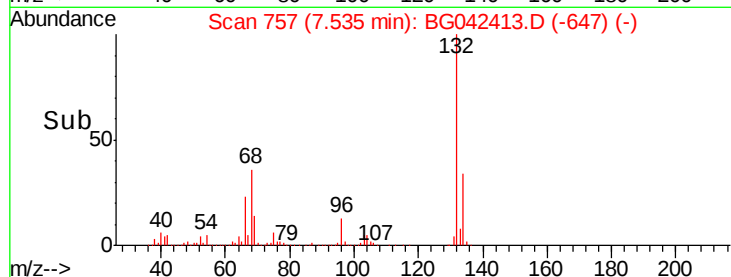
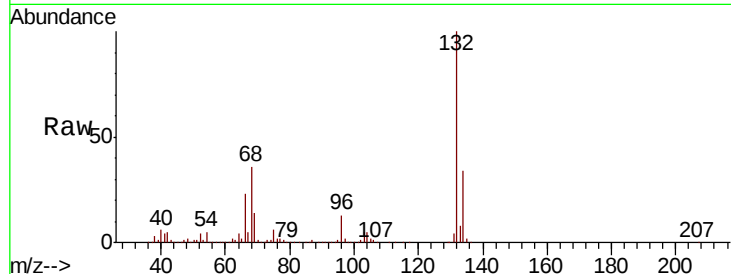




#11
bis(2-Chloroethyl)ether
Concen: 0.190 ng
RT: 7.53 min Scan# 757
Delta R.T. 0.12 min
Lab File: BG042413.D
Acq: 22 Aug 2019 22:50

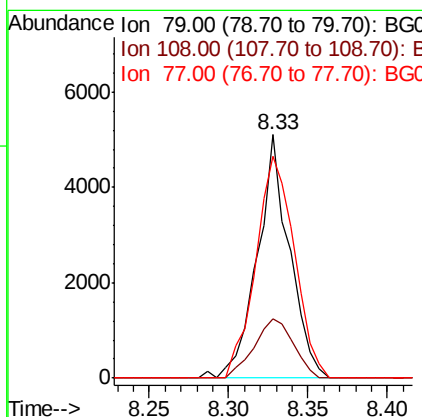
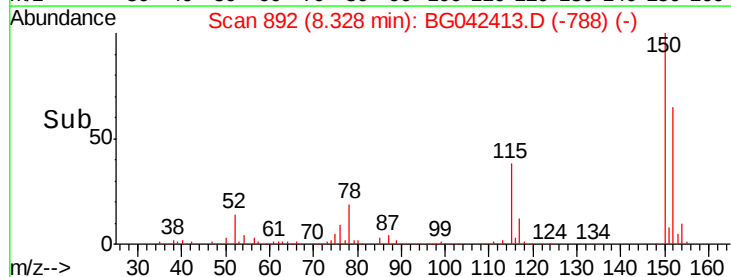
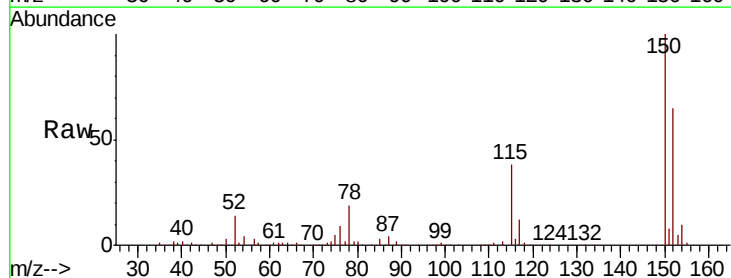
Instrument :
BNA_G
ClientSampleId :

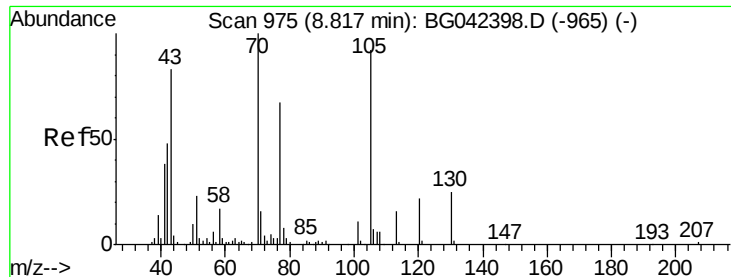
Tot Ion: 93 Resp: 783
Ion Ratio Lower Upper
93 100
63 635.2 53.8 93.8#
95 509.2 13.1 53.1#



#15
Benzyl Alcohol
Concen: 1.943 ng
RT: 8.33 min Scan# 892
Delta R.T. 0.08 min
Lab File: BG042413.D
Acq: 22 Aug 2019 22:50

Tgt Ion: 79 Resp: 7229
Ion Ratio Lower Upper
79 100
108 24.3 67.4 101.2#
77 91.1 50.8 76.2#

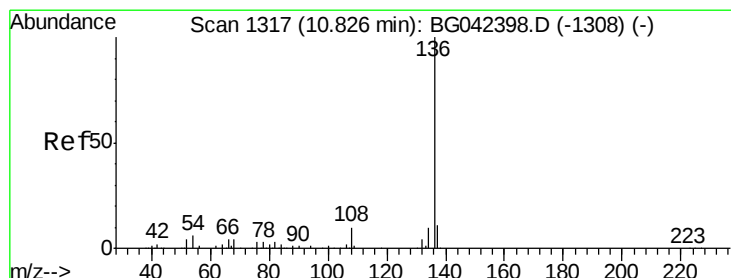
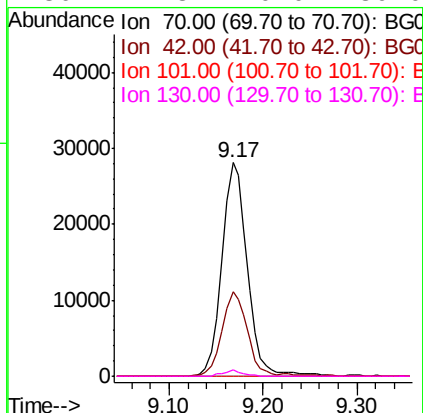
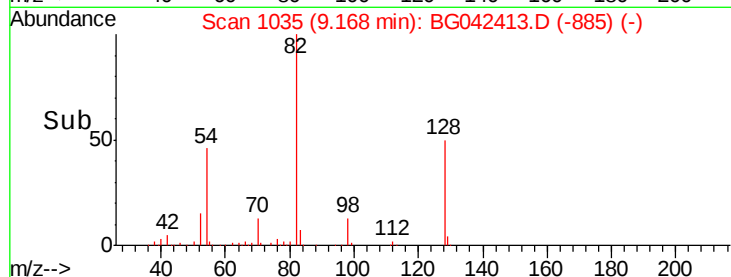
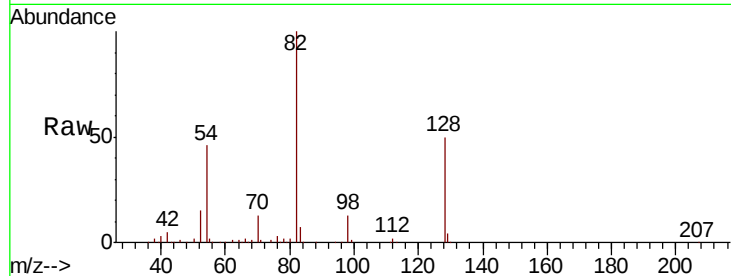




#19
 n-Nitroso-di-n-propylamine
 Concen: 15.772 ng
 RT: 9.17 min Scan# 1035
 Delta R.T. 0.35 min
 Lab File: BG042413.D
 Acq: 22 Aug 2019 22:50

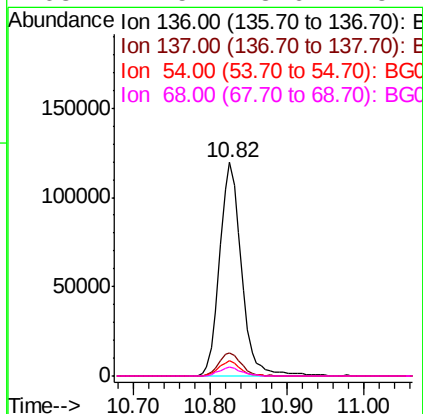
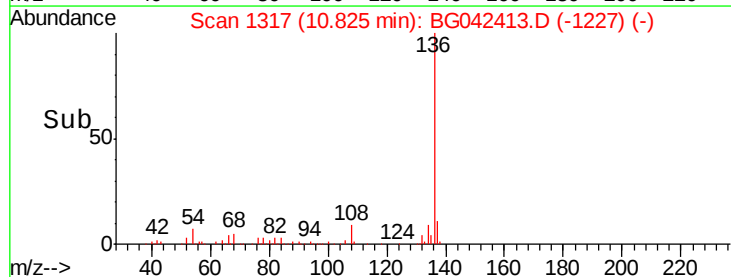
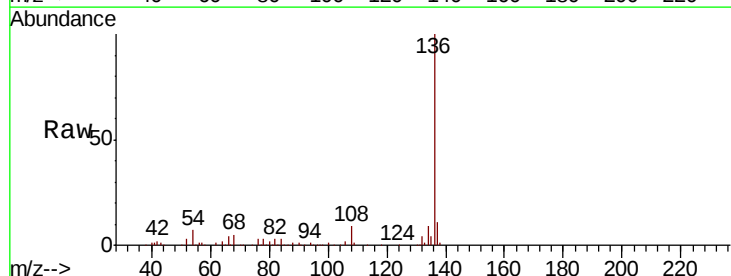
Instrument :
 BNA_G
 ClientSampleId :

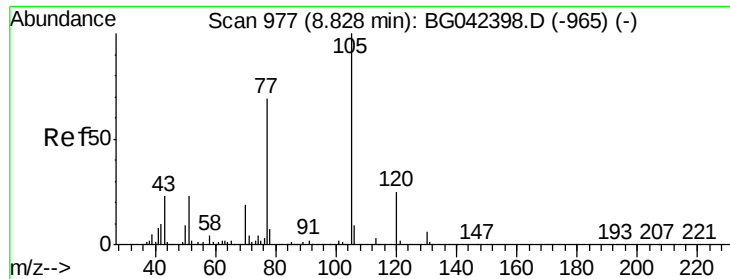
Tot Ion: 70 Resp: 52853
 Ion Ratio Lower Upper
 70 100
 42 39.5 38.8 58.2
 101 0.0 9.0 13.6#
 130 2.8 20.0 30.0#



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 10.82 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: BG042413.D
 Acq: 22 Aug 2019 22:50

Tgt Ion: 136 Resp: 235223
 Ion Ratio Lower Upper
 136 100
 137 10.7 8.7 13.1
 54 7.2 4.9 7.3
 68 4.5 3.6 5.4

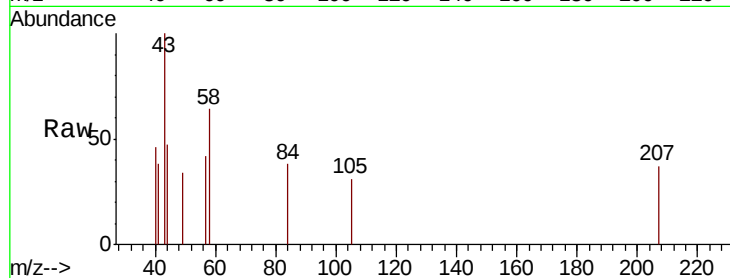




#22
Acetophenone
Concen: 0.012 ng
RT: 8.56 min Scan# 932
Delta R.T. -0.27 min
Lab File: BG042413.D
Acq: 22 Aug 2019 22:50

Instrument :
BNA_G
ClientSampled :

Tot 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#



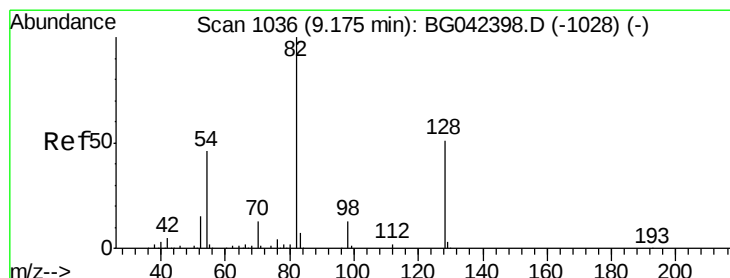
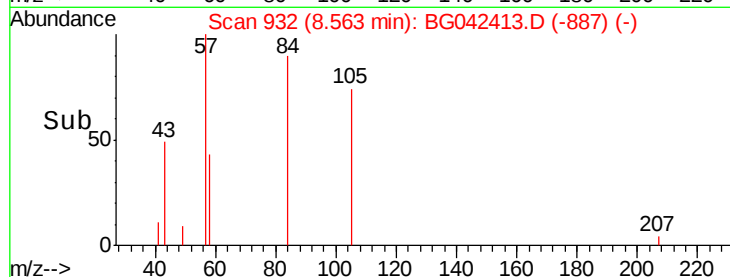
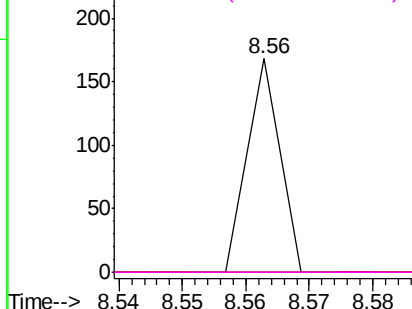
Abundance

Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

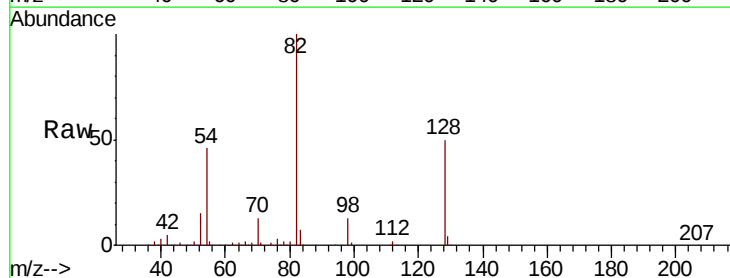
Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E



#23
Nitrobenzene-d5
Concen: 121.844 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BG042413.D
Acq: 22 Aug 2019 22:50

Tgt Ion	Ratio	Lower	Upper
82	100		
128	49.6	40.7	61.1
54	46.0	36.3	54.5

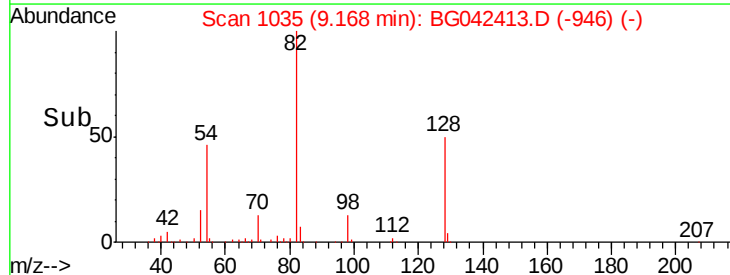
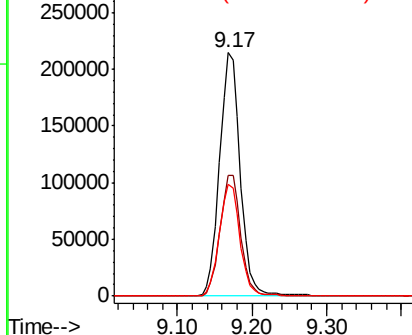


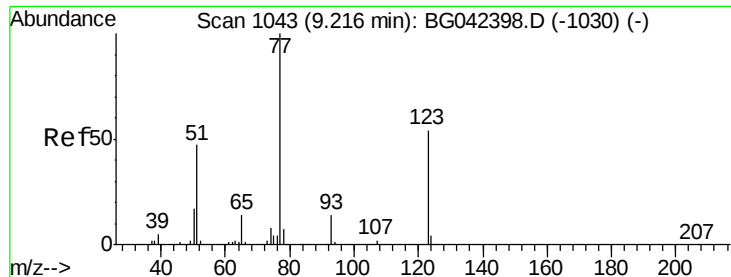
Abundance

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

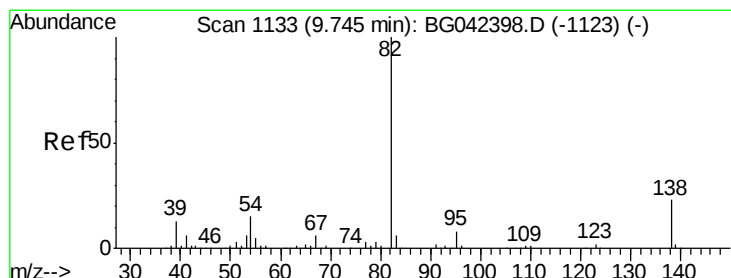
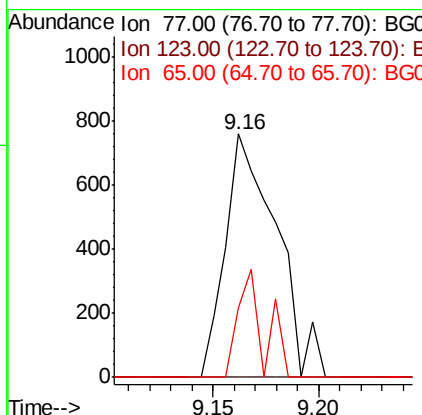
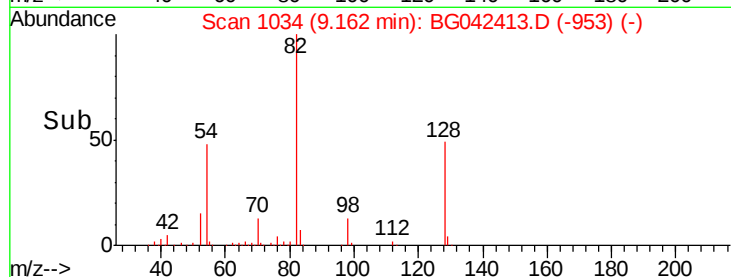
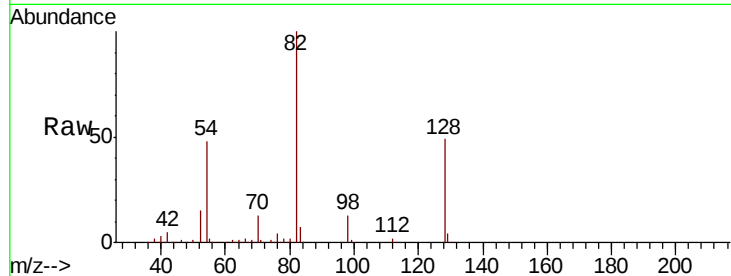




#24
Nitrobenzene
Concen: 0.368 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.05 min
Lab File: BG042413.D
Acq: 22 Aug 2019 22:50

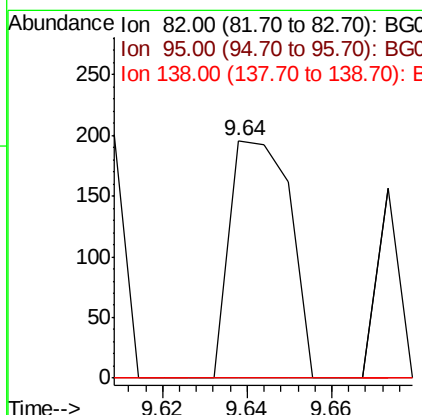
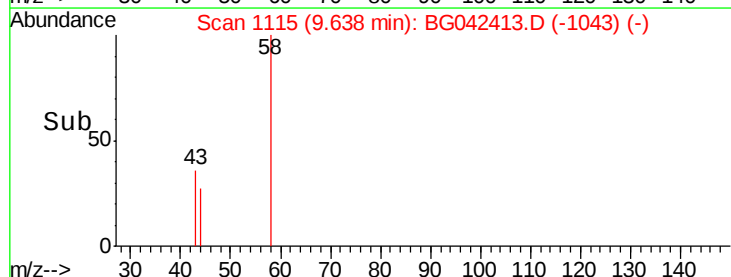
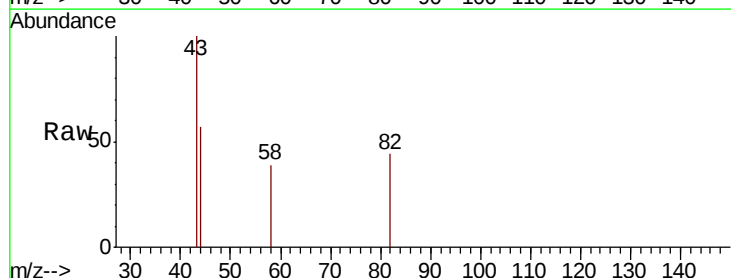
Instrument :
BNA_G
ClientSampleId :

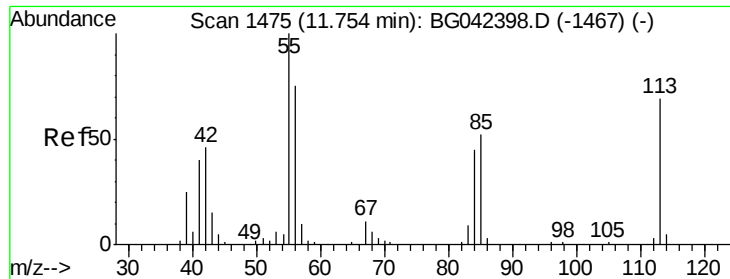
Tot Ion: 77 Resp: 1267
Ion Ratio Lower Upper
77 100
123 0.0 43.4 65.0#
65 28.7 11.0 16.6#



#25
Isophorone
Concen: 0.029 ng
RT: 9.64 min Scan# 1115
Delta R.T. -0.11 min
Lab File: BG042413.D
Acq: 22 Aug 2019 22:50

Tgt Ion: 82 Resp: 194
Ion Ratio Lower Upper
82 100
95 0.0 6.6 9.8#
138 0.0 18.6 27.8#





#35

Caprolactam

Concen: 0.169 ng

RT: 11.86 min Scan# 1494

Delta R.T. 0.11 min

Lab File: BG042413.D

Acq: 22 Aug 2019 22:50

Instrument :

BNA_G

ClientSampled :

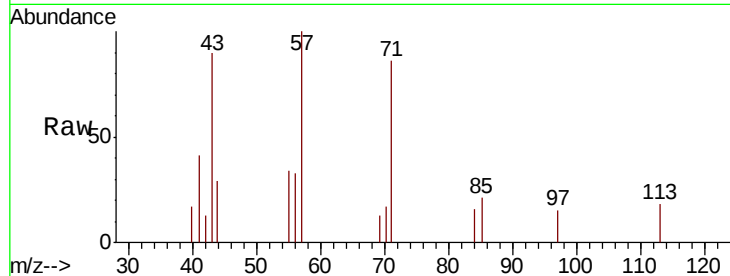
Tot Ion:113 Resp: 219

Ion Ratio Lower Upper

113 100

55 194.7 124.6 164.6#

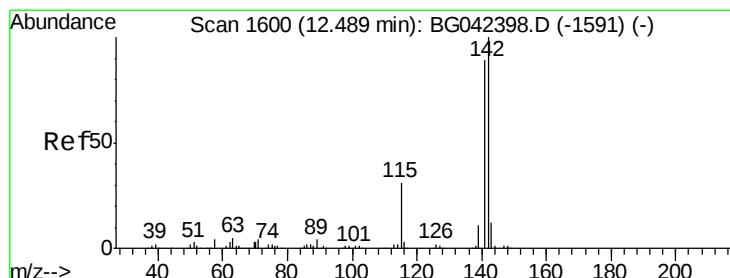
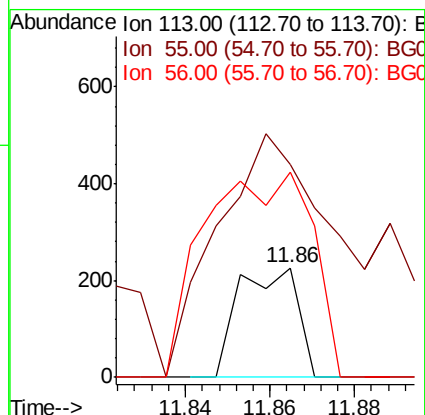
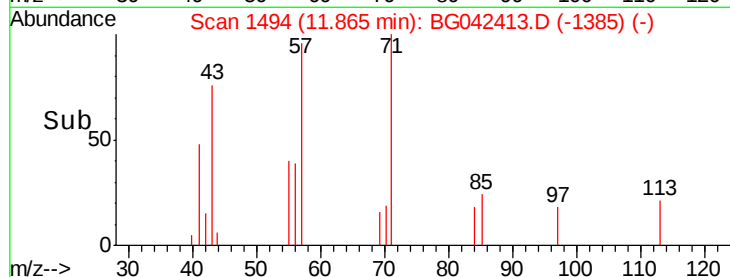
56 188.1 88.3 128.3#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG0

Ion 56.00 (55.70 to 56.70): BG0



#37

2-Methylnaphthalene

Concen: 0.007 ng

RT: 12.49 min Scan# 1601

Delta R.T. 0.00 min

Lab File: BG042413.D

Acq: 22 Aug 2019 22:50

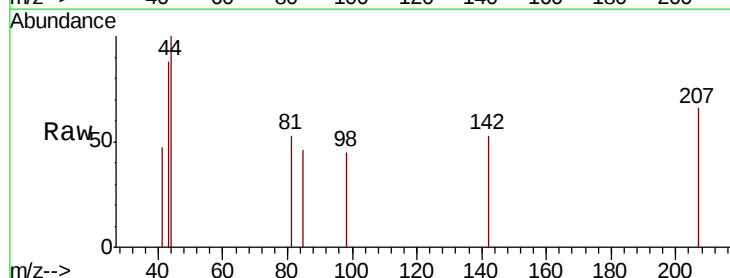
Tgt Ion:142 Resp: 62

Ion Ratio Lower Upper

142 100

141 0.0 71.4 107.2#

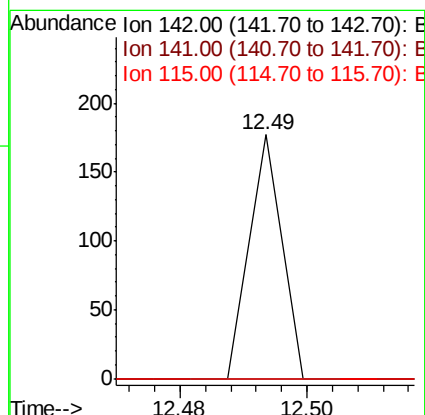
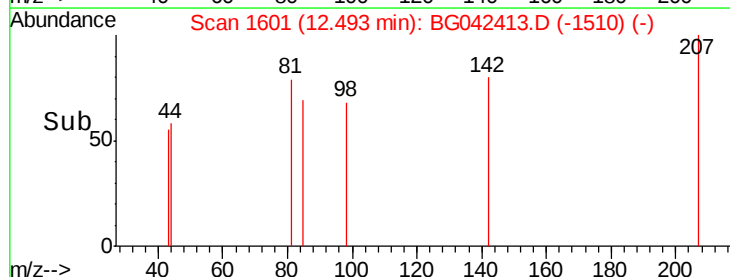
115 0.0 25.2 37.8#

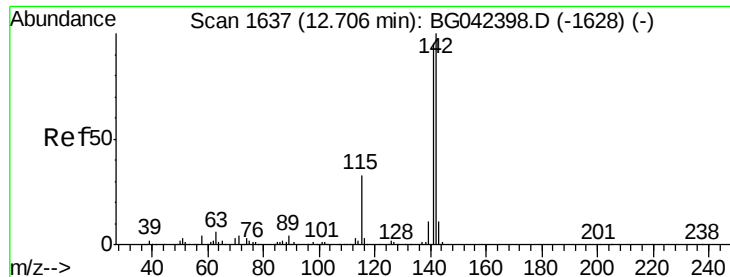


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

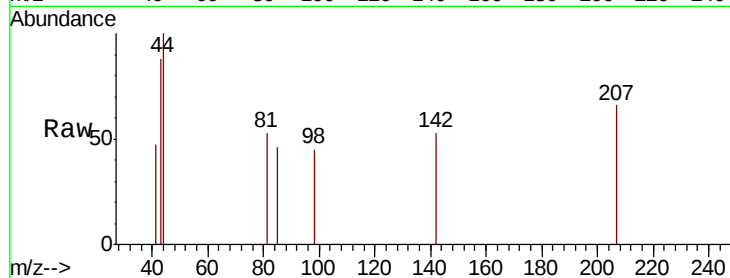




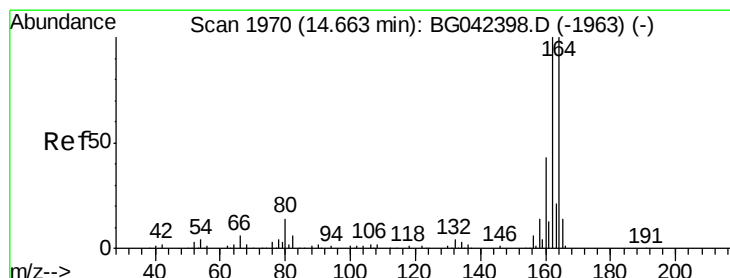
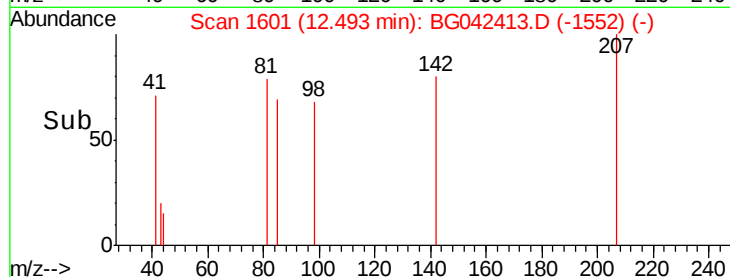
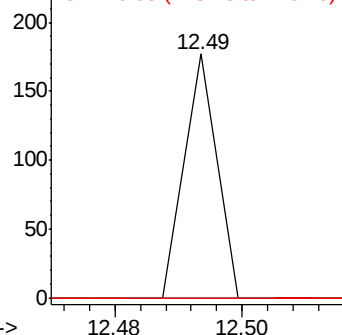
#38
1-Methylnaphthalene
Concen: 0.007 ng
RT: 12.49 min Scan# 1601
Delta R.T. -0.21 min
Lab File: BG042413.D
Acq: 22 Aug 2019 22:50

Instrument :
BNA_G
ClientSampled :

Tot Ion:142 Resp: 62
Ion Ratio Lower Upper
142 100
141 0.0 76.2 114.2#
116 0.0 2.8 4.2#

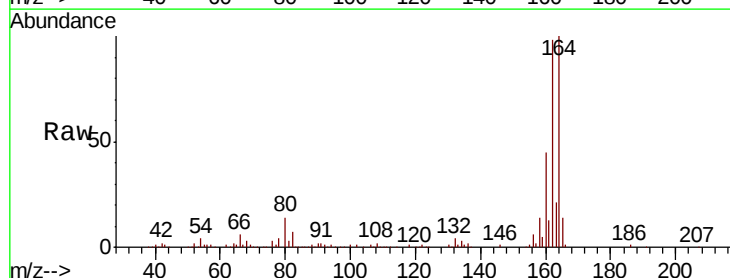


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

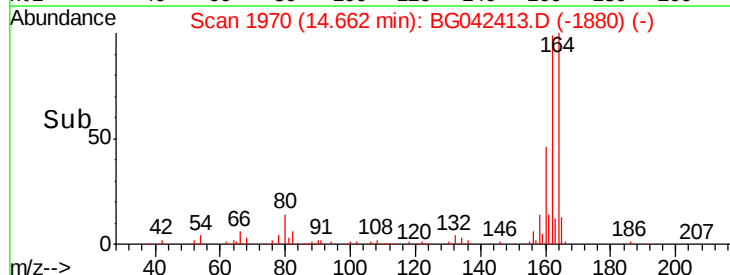
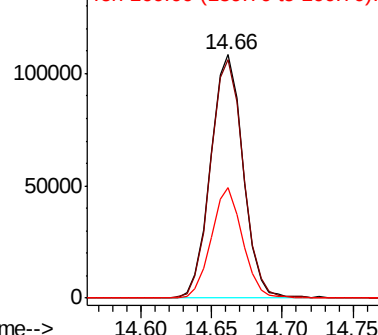


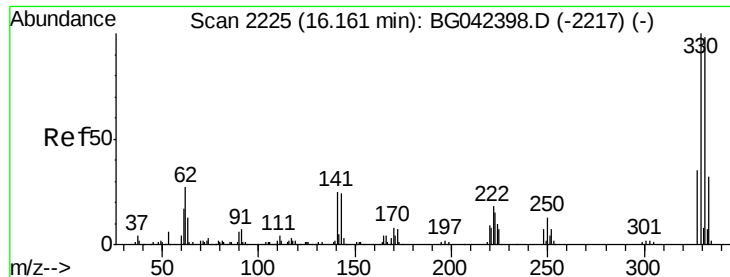
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.00 min
Lab File: BG042413.D
Acq: 22 Aug 2019 22:50

Tgt Ion:164 Resp: 174110
Ion Ratio Lower Upper
164 100
162 97.8 79.9 119.9
160 45.2 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: 128.352 ng

RT: 16.15 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG042413.D

Acq: 22 Aug 2019 22:50

Instrument :

BNA_G

ClientSampleId :

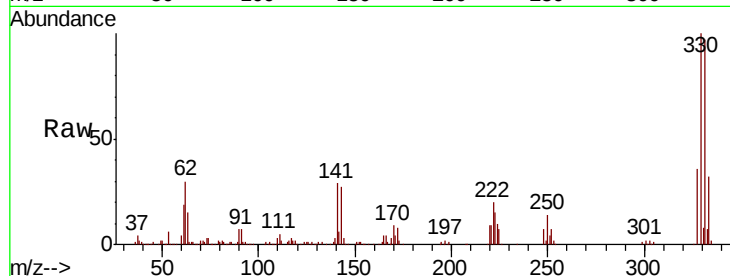
Tot Ion:330 Resp: 317630

Ion Ratio Lower Upper

330 100

332 96.2 77.4 116.0

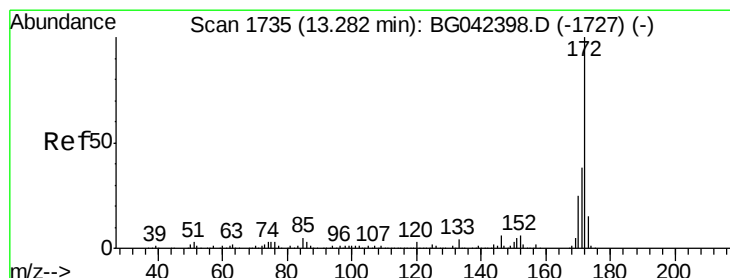
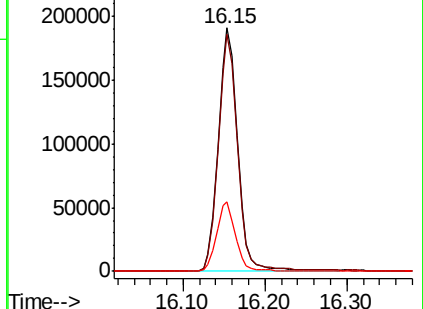
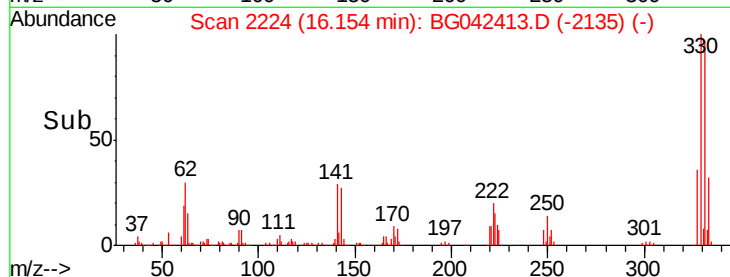
141 27.6 21.4 32.0



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: 95.130 ng

RT: 13.28 min Scan# 1735

Delta R.T. -0.00 min

Lab File: BG042413.D

Acq: 22 Aug 2019 22:50

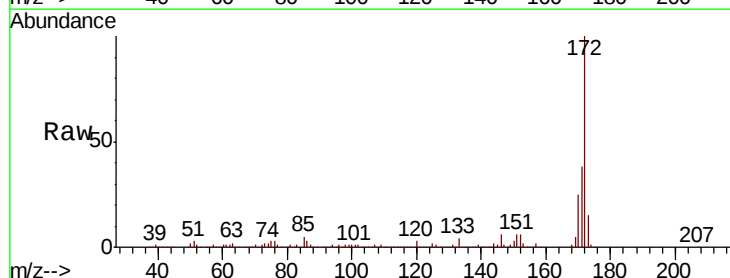
Tgt Ion:172 Resp: 979324

Ion Ratio Lower Upper

172 100

171 38.2 30.5 45.7

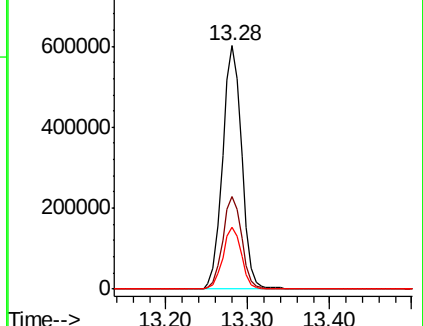
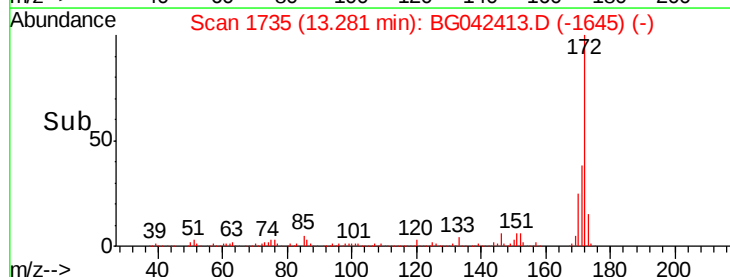
170 25.5 20.2 30.2

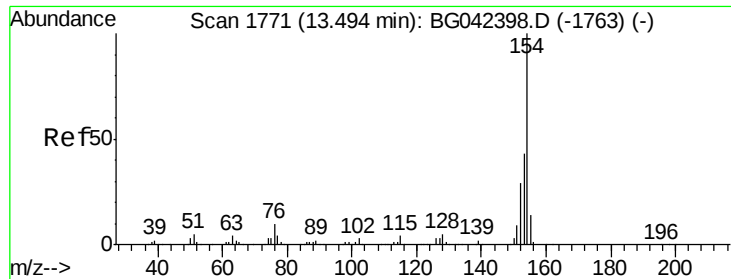


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#46

1,1'-Biphenyl

Concen: 0.142 ng

RT: 13.50 min Scan# 1772

Delta R.T. 0.00 min

Lab File: BG042413.D

Acq: 22 Aug 2019 22:50

Instrument :

BNA_G

ClientSampleId :

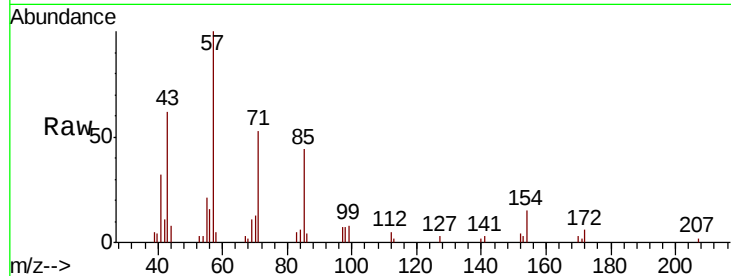
Tot Ion:154 Resp: 1597

Ion Ratio Lower Upper

154 100

153 20.3 23.0 63.0#

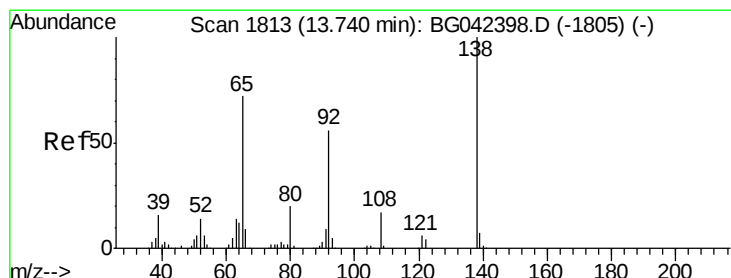
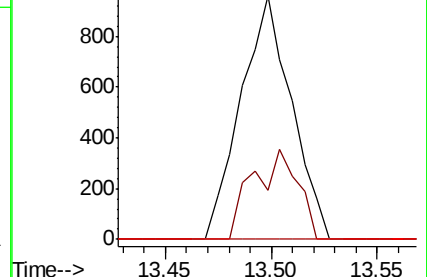
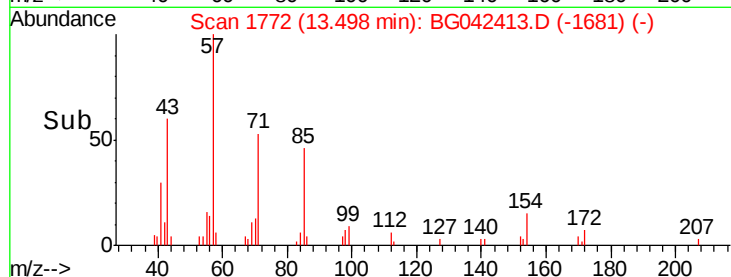
76 0.0 0.0 29.6



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: 0.486 ng

RT: 14.10 min Scan# 1875

Delta R.T. 0.36 min

Lab File: BG042413.D

Acq: 22 Aug 2019 22:50

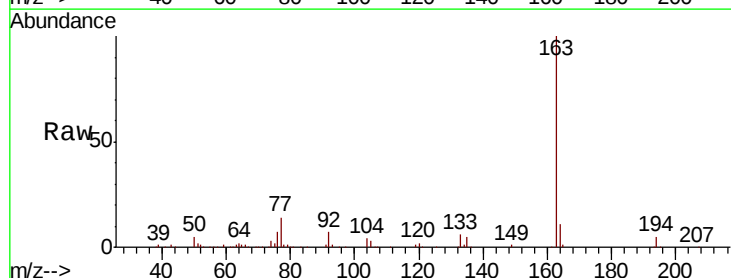
Tgt Ion: 65 Resp: 1137

Ion Ratio Lower Upper

65 100

92 934.9 61.8 92.6#

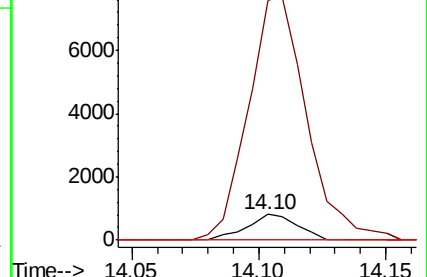
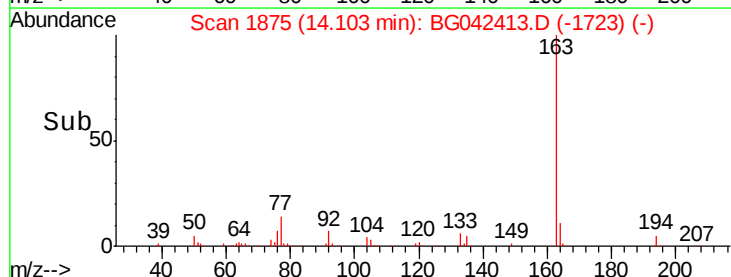
138 0.0 111.0 166.6#

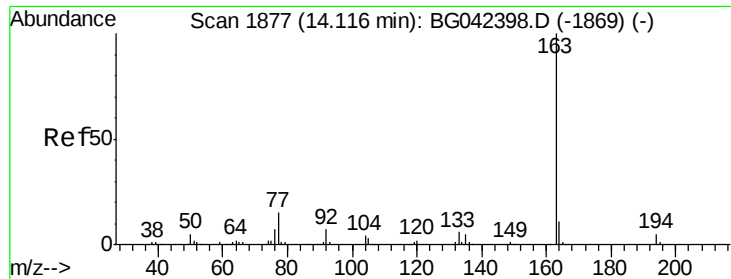


Abundance Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): E





#50

Dimethylphthalate

Concen: 14.159 ng

RT: 14.11 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BG042413.D

Acq: 22 Aug 2019 22:50

Instrument :

BNA_G

ClientSampled :

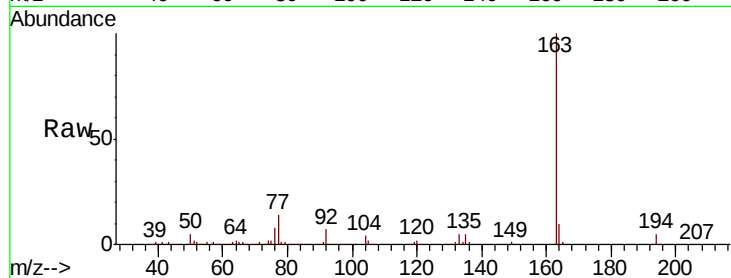
Tot Ion:163 Resp: 177869

Ion Ratio Lower Upper

163 100

194 5.0 4.2 6.2

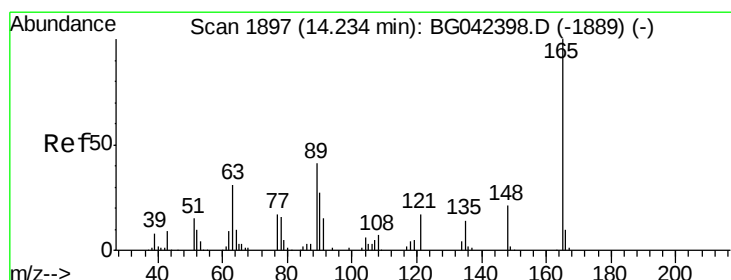
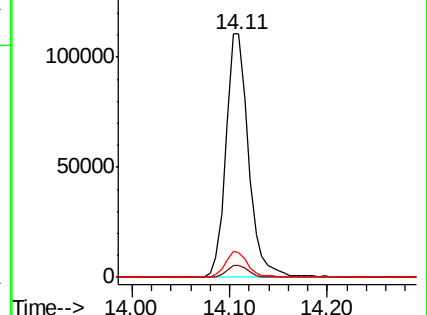
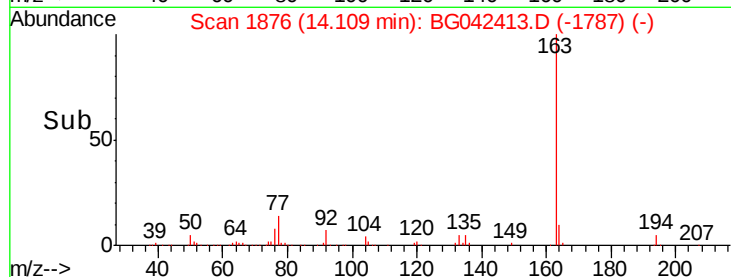
164 9.9 8.8 13.2



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: 0.704 ng

RT: 14.11 min Scan# 1876

Delta R.T. -0.12 min

Lab File: BG042413.D

Acq: 22 Aug 2019 22:50

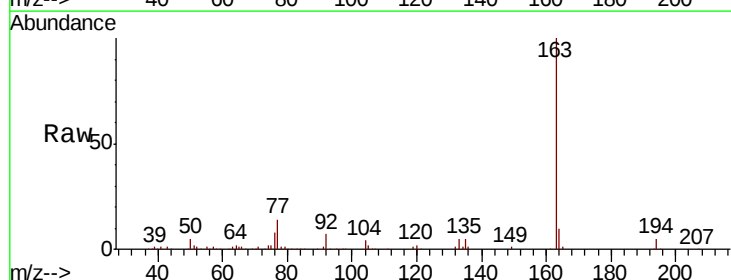
Tgt Ion:165 Resp: 2049

Ion Ratio Lower Upper

165 100

63 94.0 30.6 45.8#

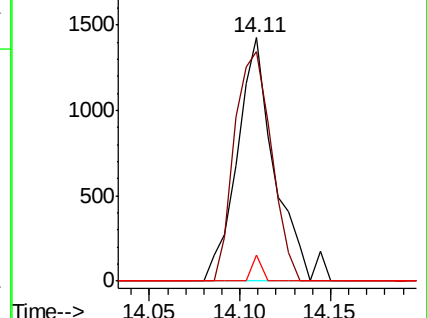
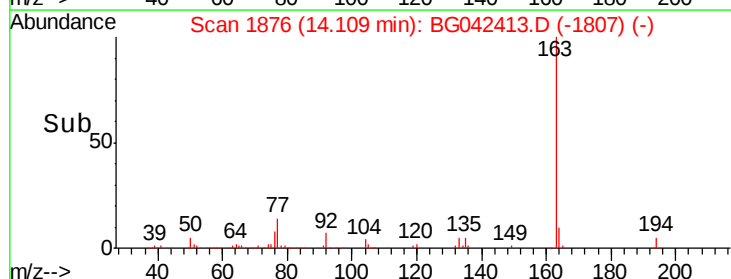
89 10.8 32.6 49.0#

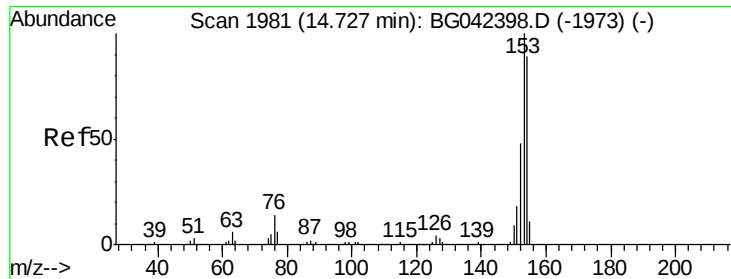


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#52

Acenaphthene

Concen: 0.070 ng

RT: 14.67 min Scan# 1971

Delta R.T. -0.06 min

Lab File: BG042413.D

Acq: 22 Aug 2019 22:50

Instrument :

BNA_G

ClientSampleId :

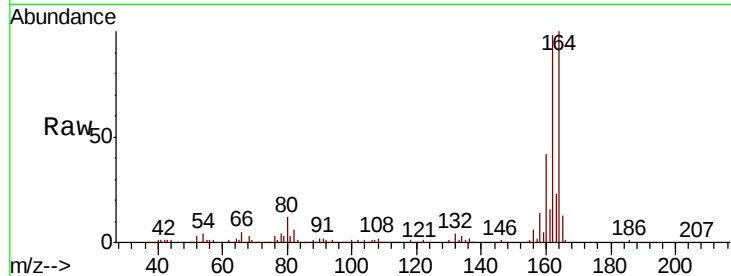
Tot Ion:154 Resp: 623

Ion Ratio Lower Upper

154 100

153 0.0 90.2 135.4#

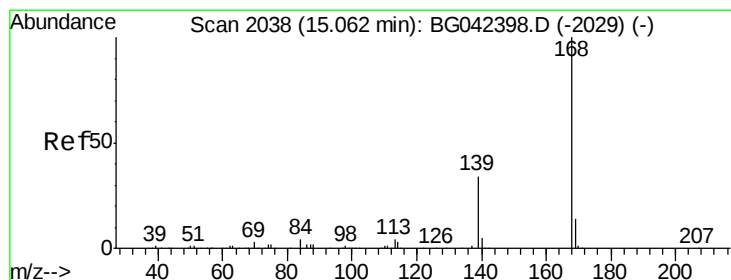
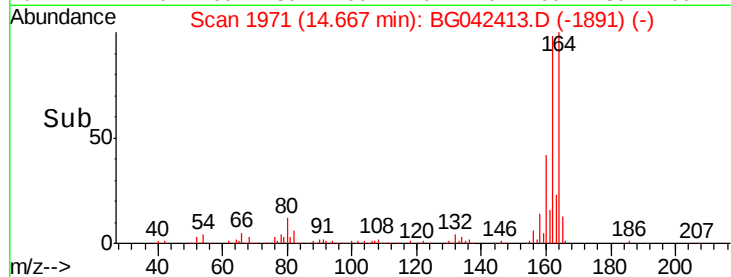
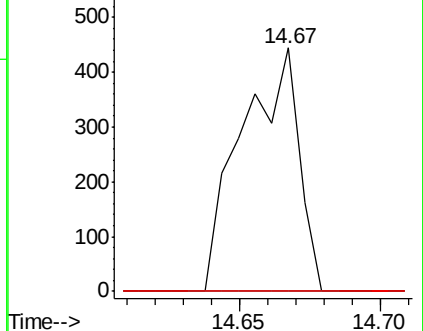
152 0.0 43.2 64.8#



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: 0.004 ng

RT: 15.06 min Scan# 2038

Delta R.T. -0.00 min

Lab File: BG042413.D

Acq: 22 Aug 2019 22:50

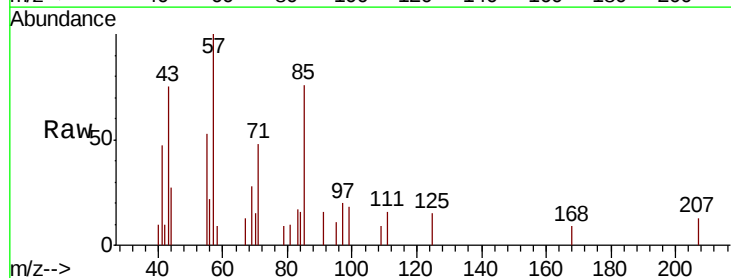
Tgt Ion:168 Resp: 55

Ion Ratio Lower Upper

168 100

139 0.0 27.2 40.8#

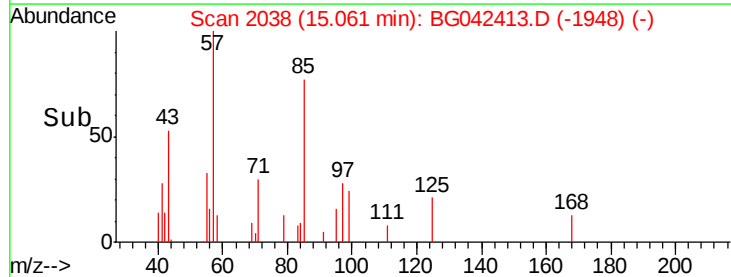
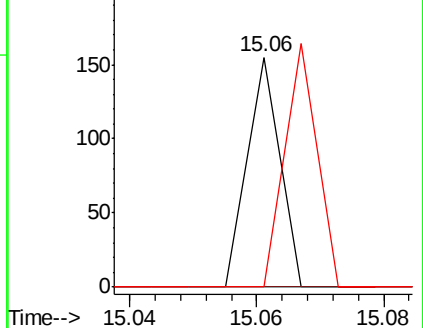
169 0.0 11.5 17.3#

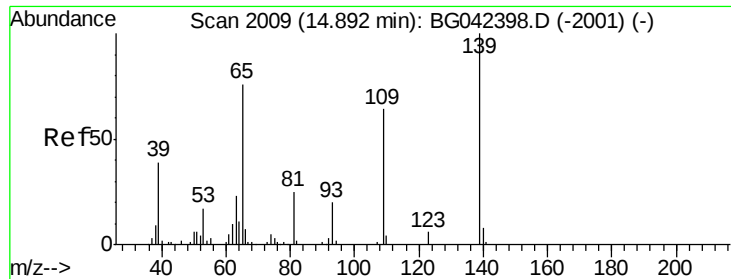


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#56

4-Nitrophenol

Concen: 0.029 ng

RT: 14.81 min Scan# 1995

Delta R.T. -0.08 min

Lab File: BG042413.D

Acq: 22 Aug 2019 22:50

Instrument :

BNA_G

ClientSampled :

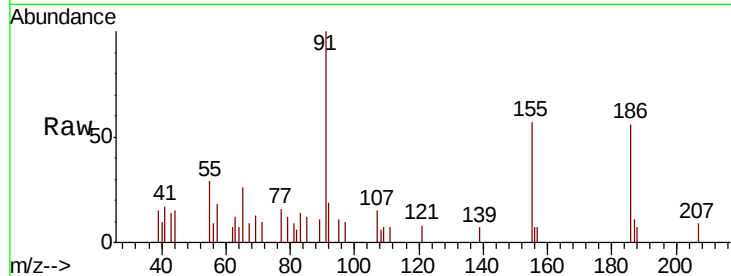
Tot Ion:139 Resp: 59

Ion Ratio Lower Upper

139 100

109 110.1 43.9 83.9#

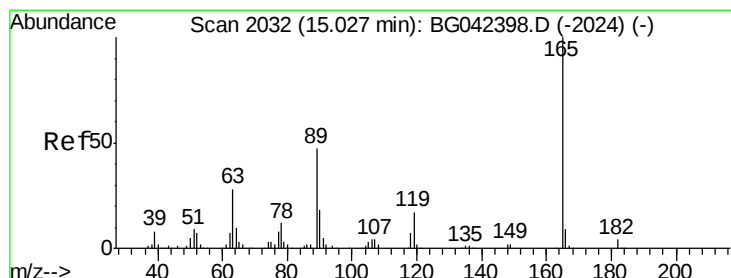
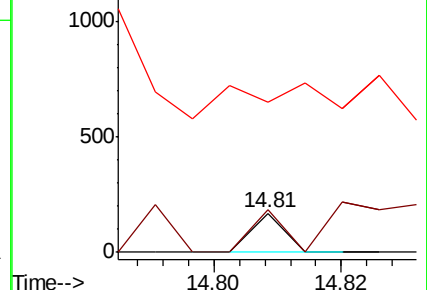
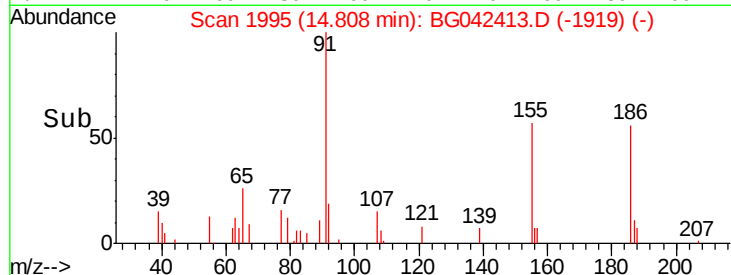
65 387.5 56.3 96.3#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#57

2,4-Dinitrotoluene

Concen: 5.393 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.37 min

Lab File: BG042413.D

Acq: 22 Aug 2019 22:50

Tgt Ion:165 Resp: 22488

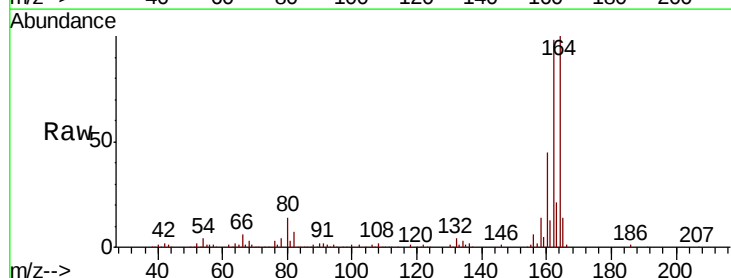
Ion Ratio Lower Upper

165 100

63 2.4 22.5 33.7#

89 2.4 37.8 56.6#

182 0.0 3.0 4.4#

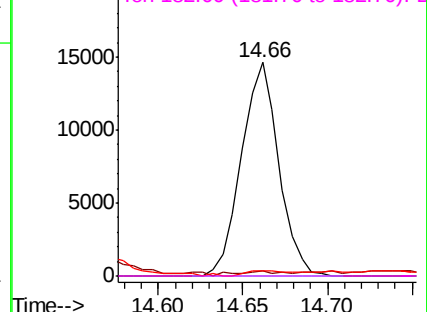
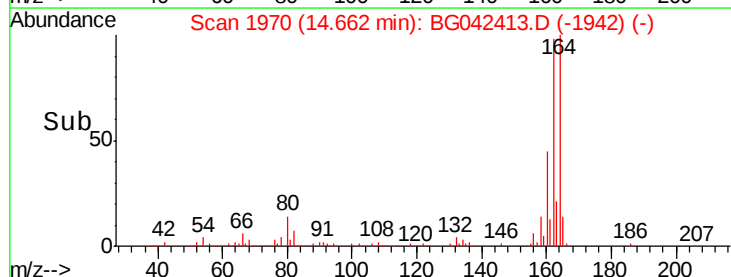


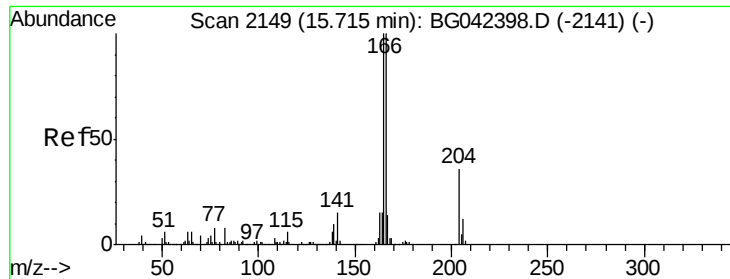
Abundance Ion 165.00 (164.70 to 165.70): E

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: 0.982 ng

RT: 16.15 min Scan# 2224

Delta R.T. 0.44 min

Lab File: BG042413.D

Acq: 22 Aug 2019 22:50

Instrument :

BNA_G

ClientSampled :

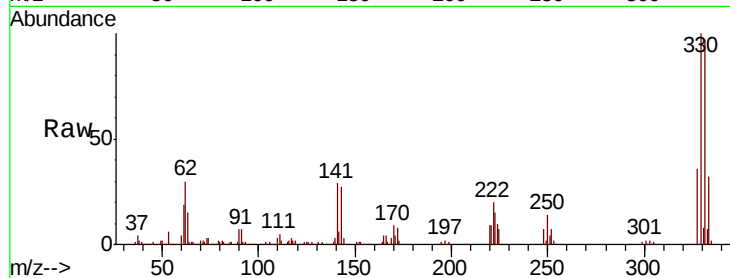
Tot Ion:166 Resp: 11784

Ion Ratio Lower Upper

166 100

165 103.1 79.7 119.5

167 36.5 10.9 16.3#

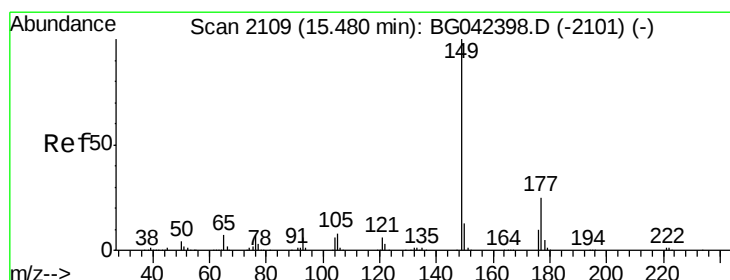
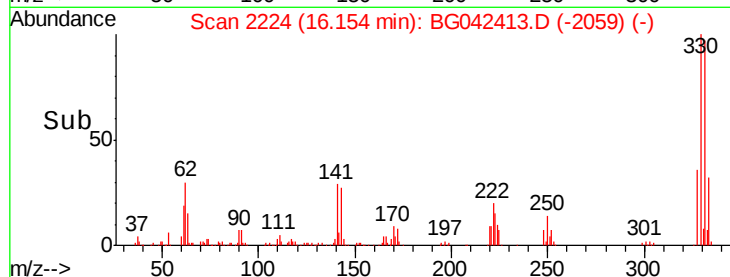
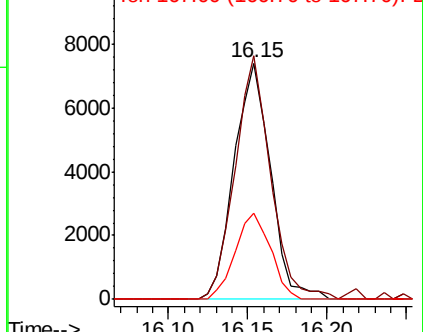


Abundance

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: 0.024 ng

RT: 15.47 min Scan# 2108

Delta R.T. -0.01 min

Lab File: BG042413.D

Acq: 22 Aug 2019 22:50

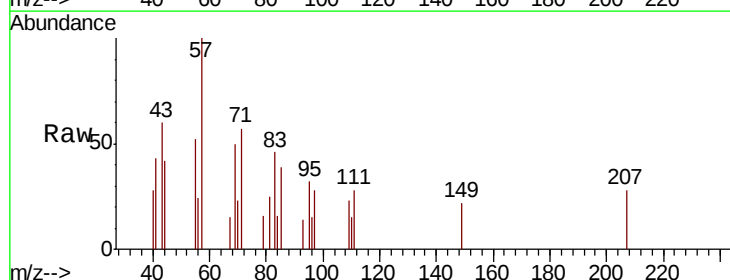
Tgt Ion:149 Resp: 291

Ion Ratio Lower Upper

149 100

177 0.0 20.4 30.6#

150 0.0 10.3 15.5#

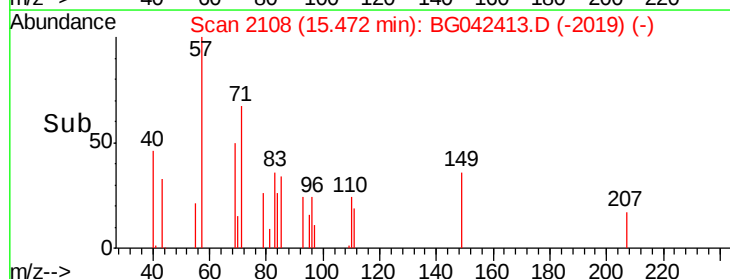
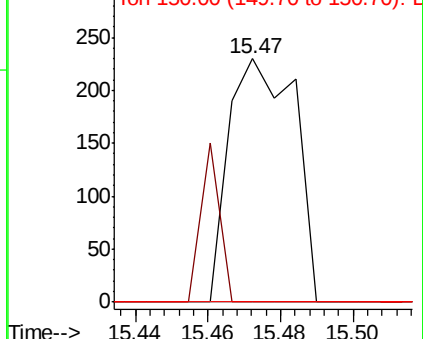


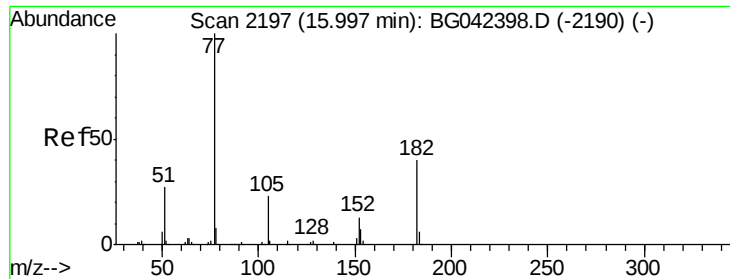
Abundance

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

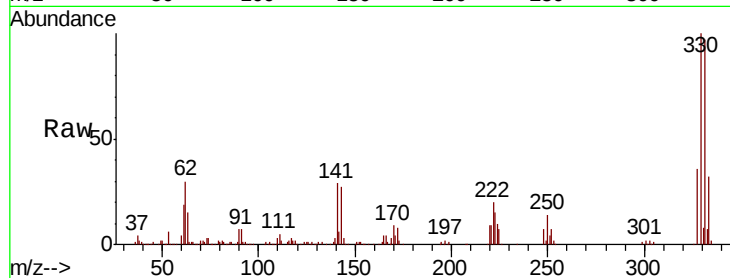




#63
Azobenzene
Concen: 0.134 ng
RT: 16.15 min Scan# 2224
Delta R.T. 0.16 min
Lab File: BG042413.D
Acq: 22 Aug 2019 22:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	0.0	19.9	59.9	
105	97.3	2.9	42.9	
51	98.7	7.6	47.6	



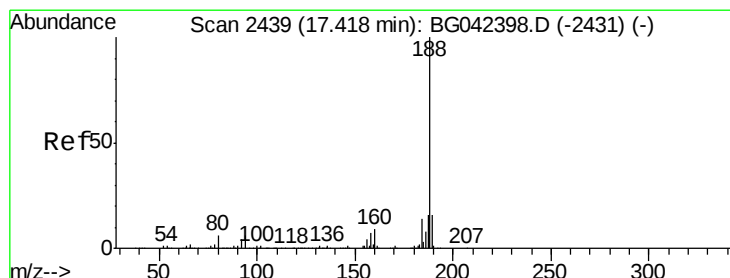
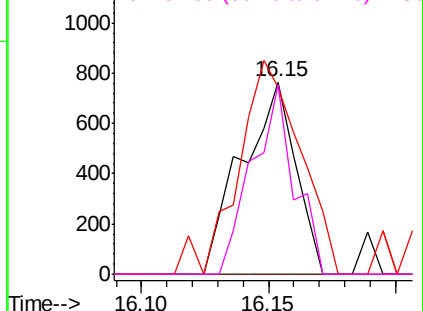
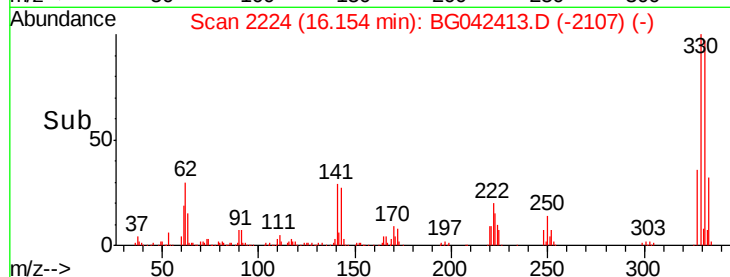
Abundance

Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

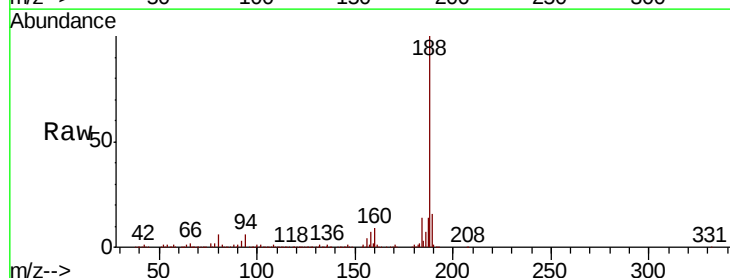
Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2438
Delta R.T. -0.01 min
Lab File: BG042413.D
Acq: 22 Aug 2019 22:50

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	6.1	4.5	6.7	
80	6.5	4.9	7.3	

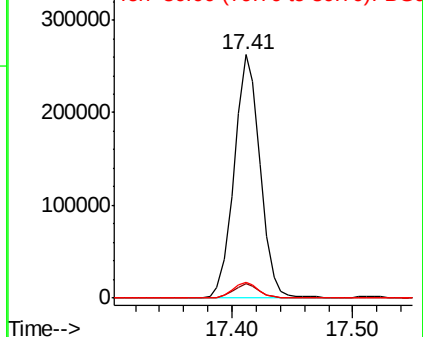
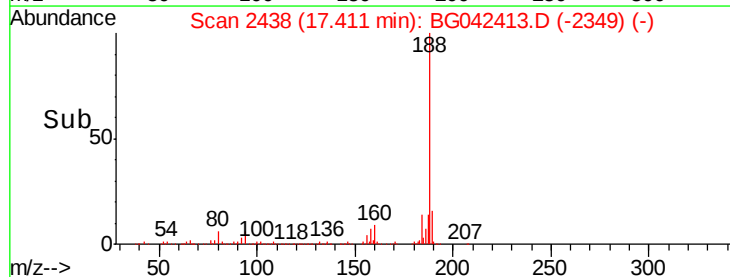


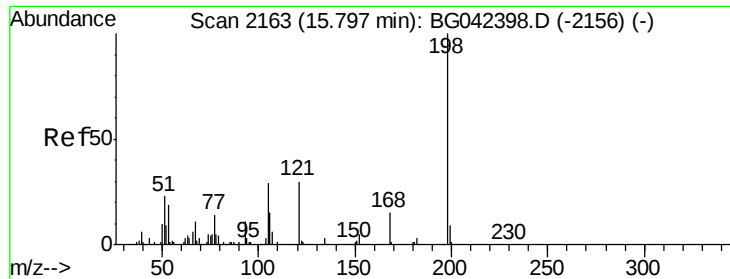
Abundance

Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 0.277 ng

RT: 16.15 min Scan# 2224

Delta R.T. 0.36 min

Lab File: BG042413.D

Acq: 22 Aug 2019 22:50

Instrument :

BNA_G

ClientSampled :

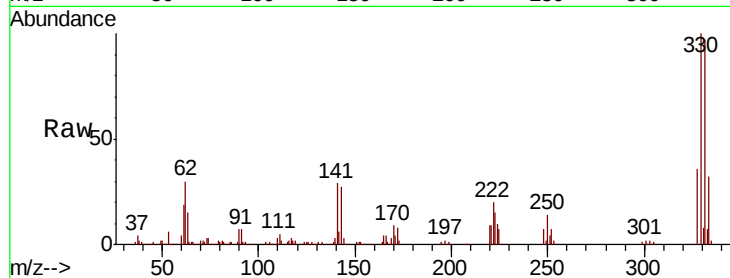
Tot Ion:198 Resp: 681

Ion Ratio Lower Upper

198 100

51 145.2 4.2 44.2#

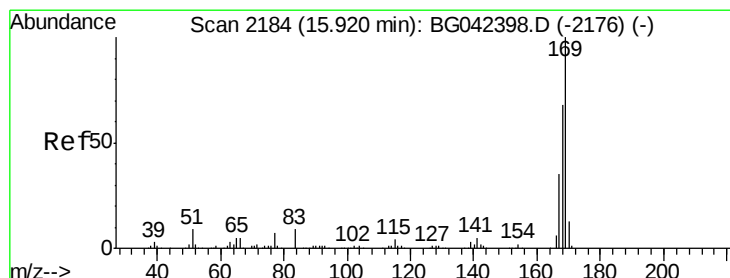
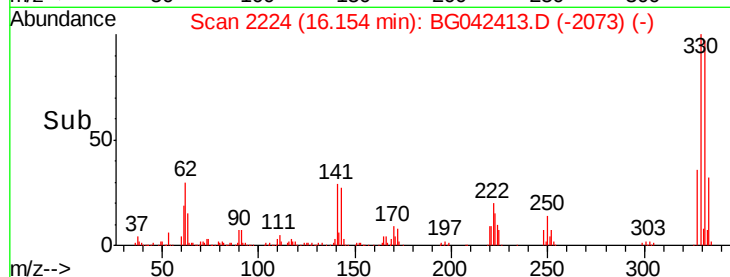
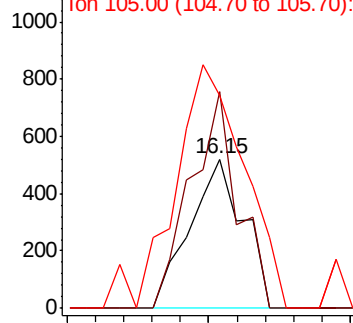
105 143.1 8.8 48.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 0.039 ng

RT: 15.92 min Scan# 2184

Delta R.T. -0.00 min

Lab File: BG042413.D

Acq: 22 Aug 2019 22:50

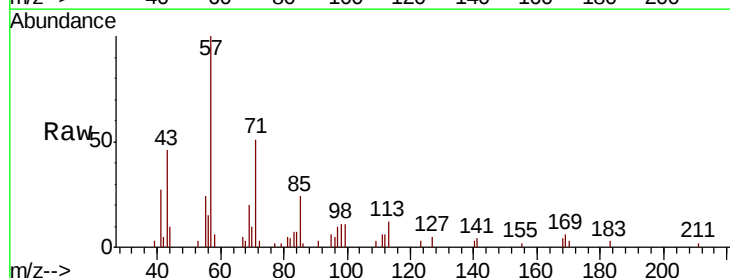
Tgt Ion:169 Resp: 422

Ion Ratio Lower Upper

169 100

168 63.1 54.3 81.5

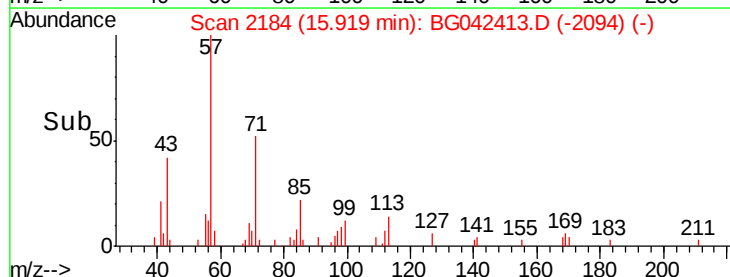
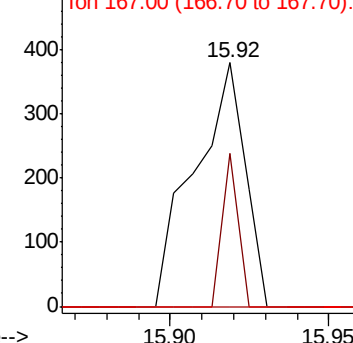
167 0.0 28.2 42.2#

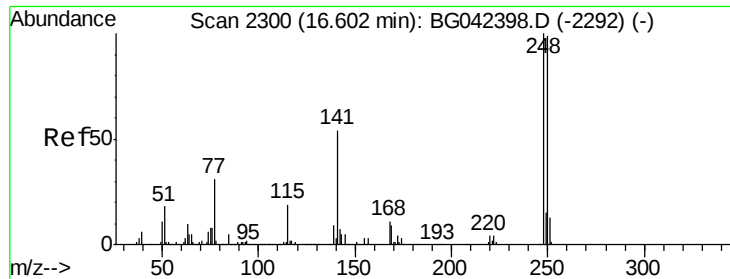


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#67

4-Bromophenyl-phenylether

Concen: 4.605 ng

RT: 16.15 min Scan# 2224

Delta R.T. -0.45 min

Lab File: BG042413.D

Acq: 22 Aug 2019 22:50

Instrument :

BNA_G

ClientSampleId :

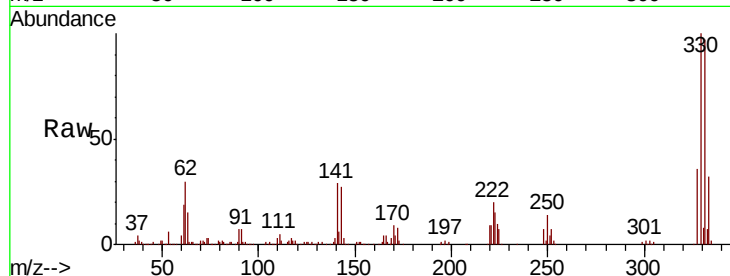
Tot Ion:248 Resp: 22892

Ion Ratio Lower Upper

248 100

250 195.8 78.9 118.3#

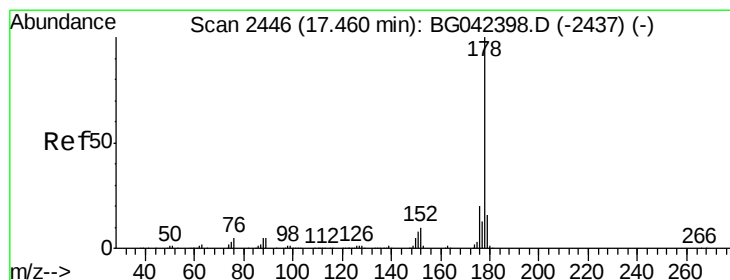
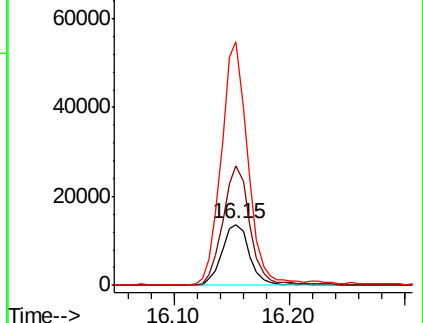
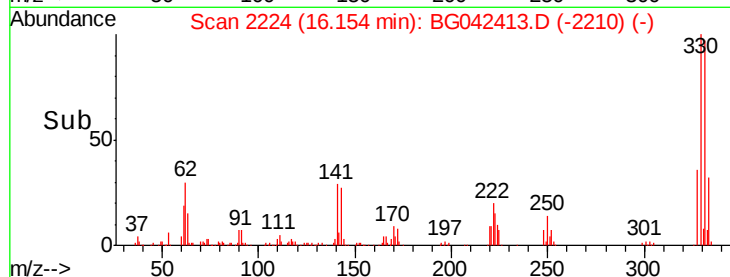
141 399.0 43.3 64.9#



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: 0.017 ng

RT: 17.45 min Scan# 2444

Delta R.T. -0.01 min

Lab File: BG042413.D

Acq: 22 Aug 2019 22:50

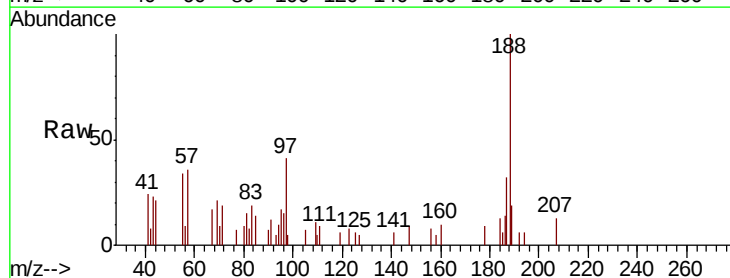
Tgt Ion:178 Resp: 331

Ion Ratio Lower Upper

178 100

176 0.0 15.9 23.9#

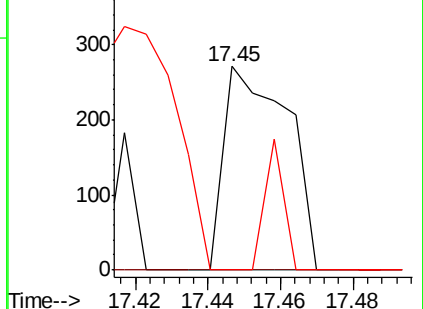
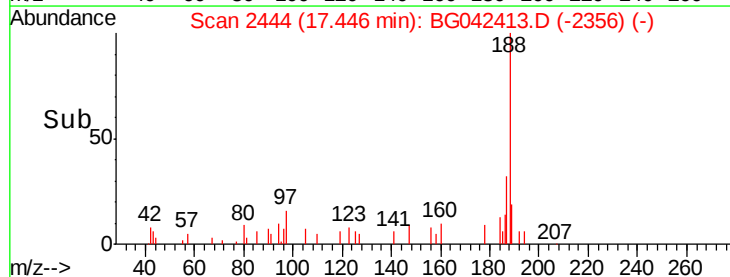
179 0.0 12.7 19.1#

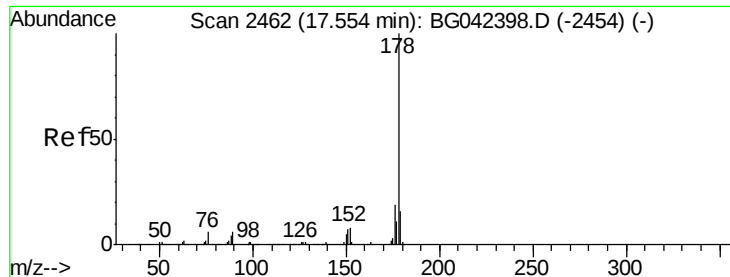


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

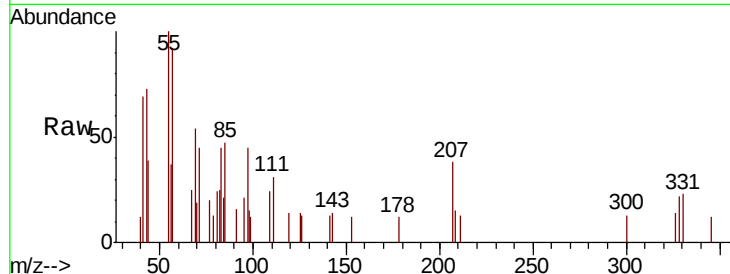




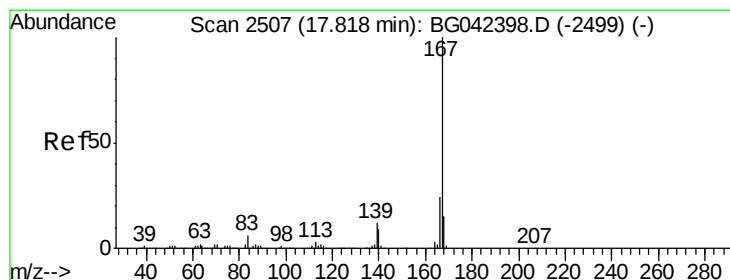
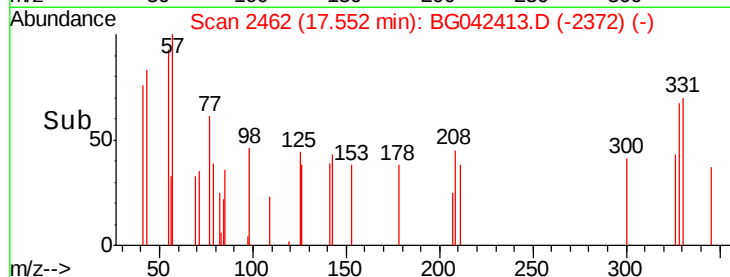
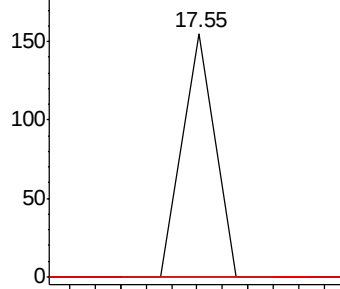
#72
 Anthracene
 Concen: 0.003 ng
 RT: 17.55 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: BG042413.D
 Acq: 22 Aug 2019 22:50

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
176	0.0	15.5	23.3#
179	0.0	12.9	19.3#

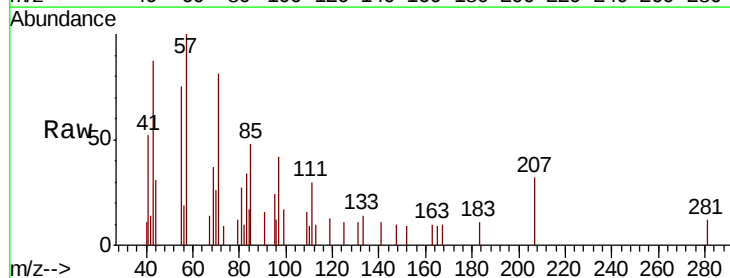


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

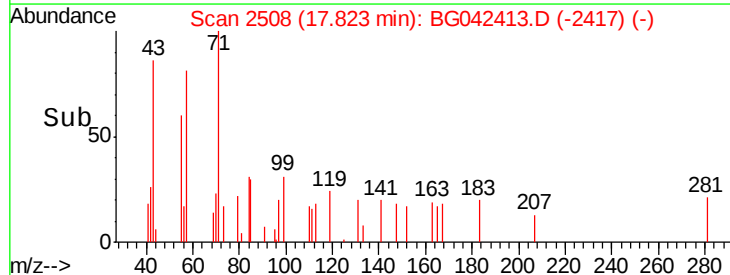
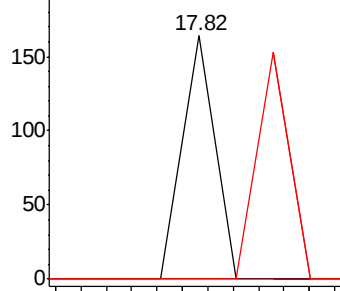


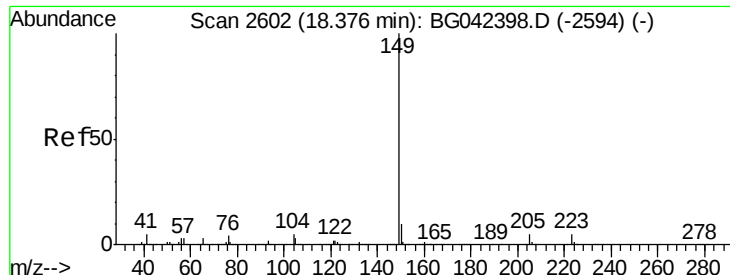
#73
 Carbazole
 Concen: 0.003 ng
 RT: 17.82 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: BG042413.D
 Acq: 22 Aug 2019 22:50

Tgt 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

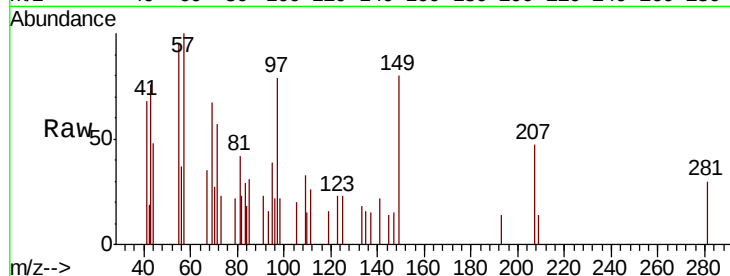




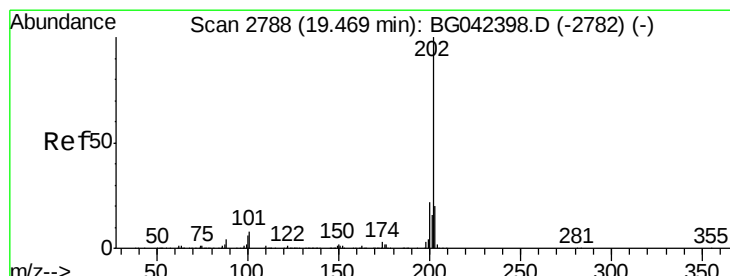
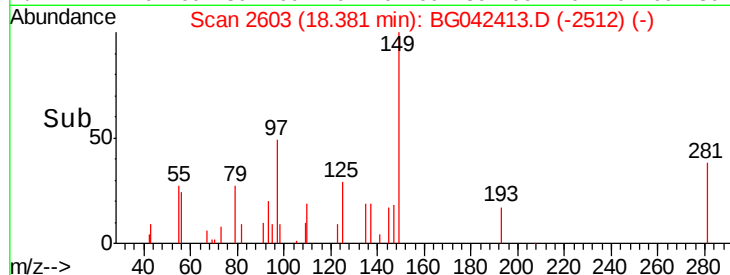
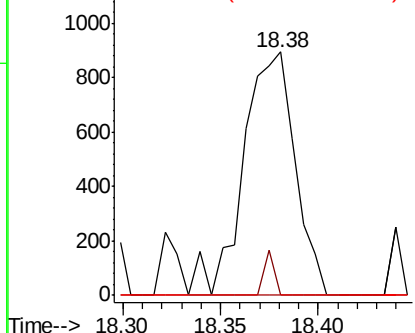
#74
Di-n-butylphthalate
Concen: 0.080 ng
RT: 18.38 min Scan# 2603
Delta R.T. 0.00 min
Lab File: BG042413.D
Acq: 22 Aug 2019 22:50

Instrument :
BNA_G
ClientSampled :

Tot Ion:149 Resp: 1646
Ion Ratio Lower Upper
149 100
150 0.0 8.1 12.1#
104 0.0 3.7 5.5#

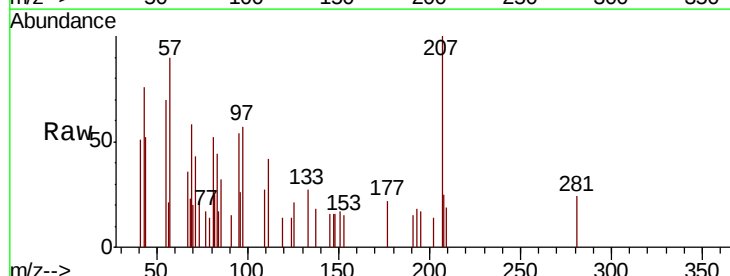


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E

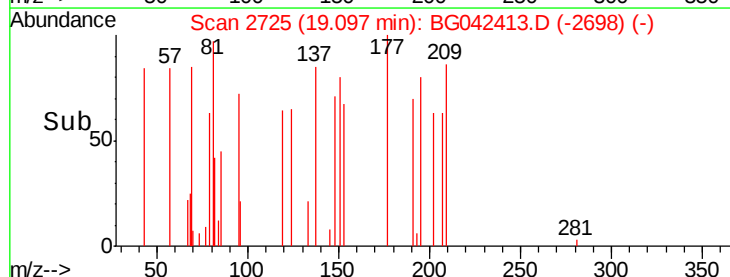
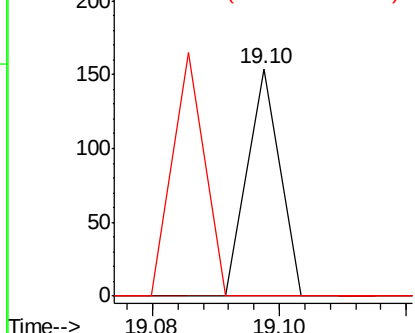


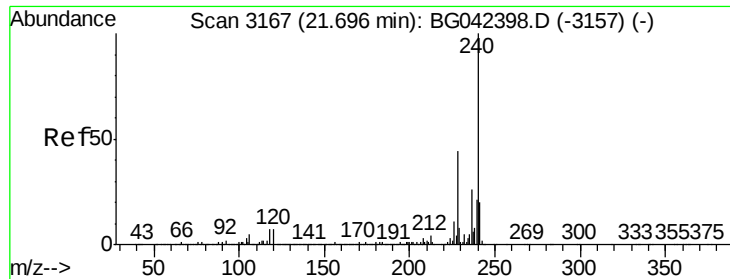
#75
Fluoranthene
Concen: 0.002 ng
RT: 19.10 min Scan# 2725
Delta R.T. -0.37 min
Lab File: BG042413.D
Acq: 22 Aug 2019 22:50

Tgt Ion:202 Resp: 54
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

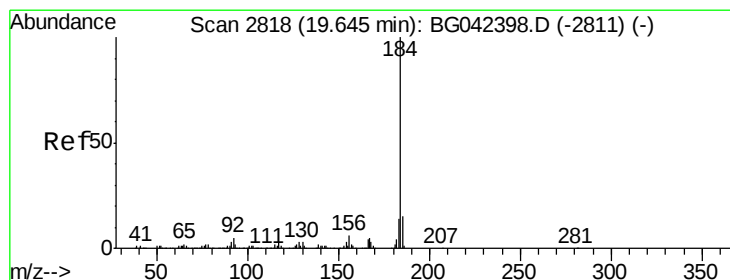
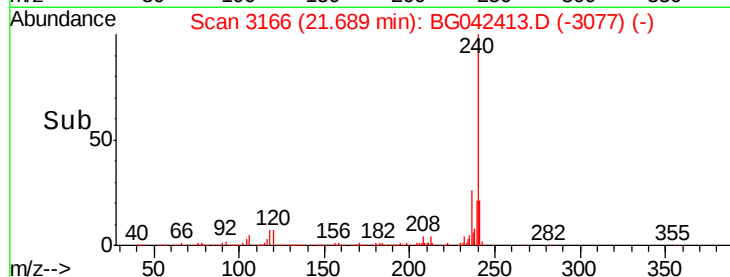
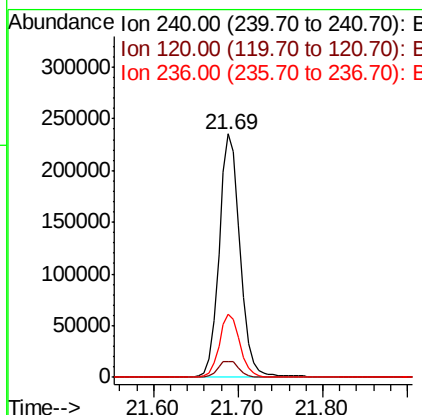
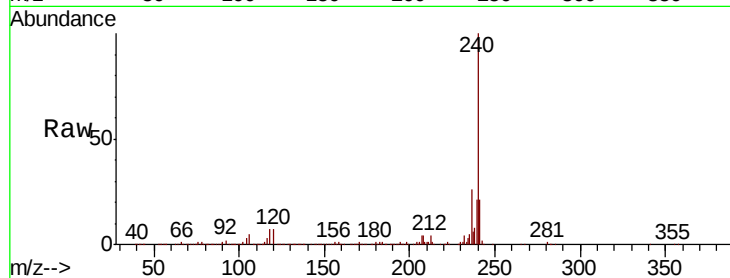




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.01 min
 Lab File: BG042413.D
 Acq: 22 Aug 2019 22:50

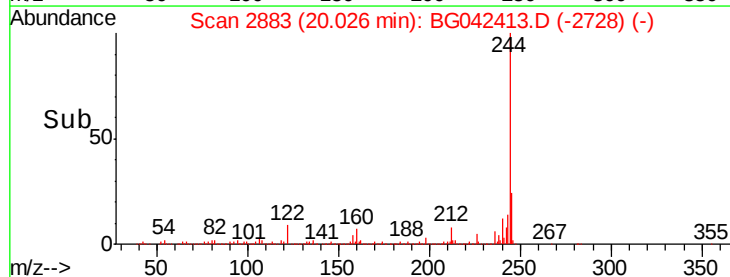
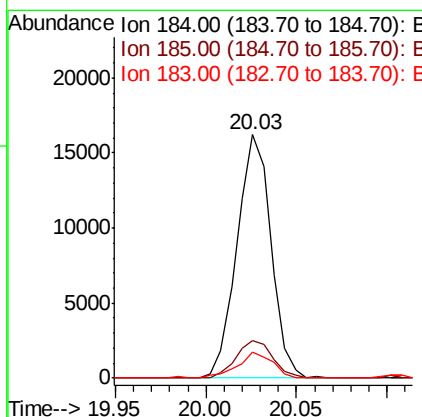
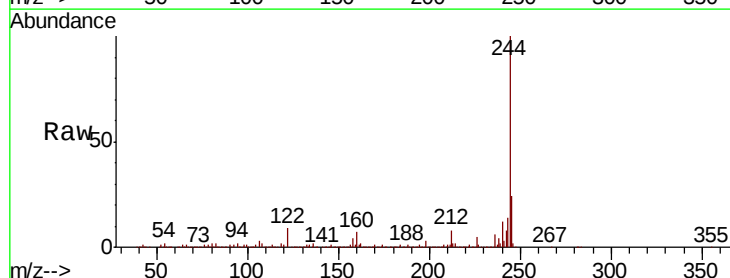
Instrument :
 BNA_G
 ClientSampleId :

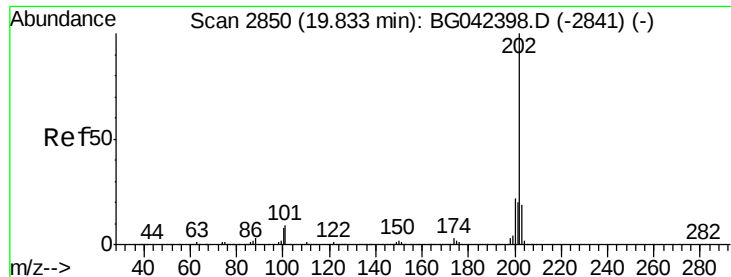
Tot Ion:240 Resp: 406101
 Ion Ratio Lower Upper
 240 100
 120 6.7 5.7 8.5
 236 26.0 21.0 31.4



#77
 Benzidine
 Concen: 1.818 ng
 RT: 20.03 min Scan# 2883
 Delta R.T. 0.38 min
 Lab File: BG042413.D
 Acq: 22 Aug 2019 22:50

Tgt Ion:184 Resp: 21170
 Ion Ratio Lower Upper
 184 100
 185 15.6 12.2 18.4
 183 10.6 10.8 16.2#





#78

Pvrene

Concen: 0.011 ng

RT: 19.84 min Scan# 2851

Delta R.T. 0.00 min

Lab File: BG042413.D

Acq: 22 Aug 2019 22:50

Instrument :

BNA_G

ClientSampleId :

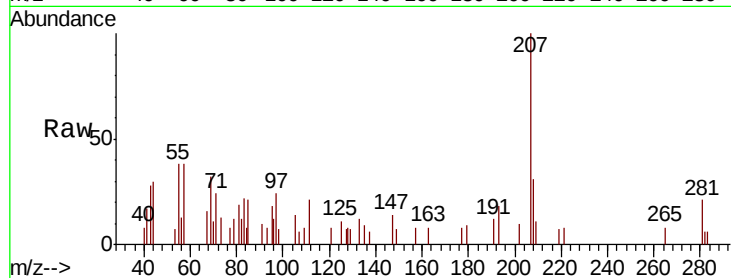
Tot Ion:202 Resp: 279

Ion Ratio Lower Upper

202 100

200 0.0 17.8 26.6#

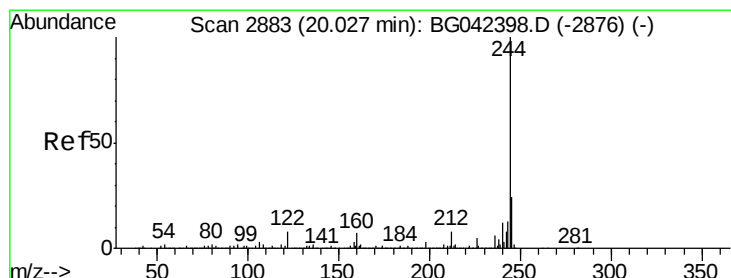
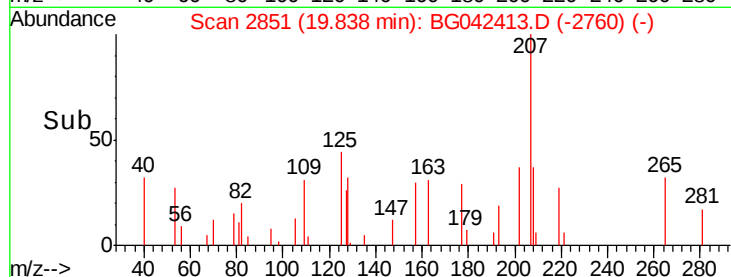
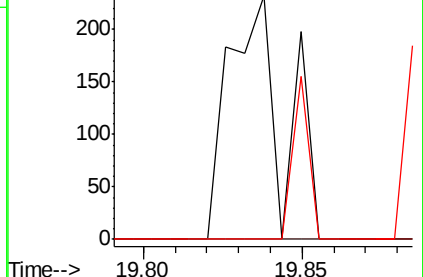
203 0.0 15.5 23.3#



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: 83.725 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.00 min

Lab File: BG042413.D

Acq: 22 Aug 2019 22:50

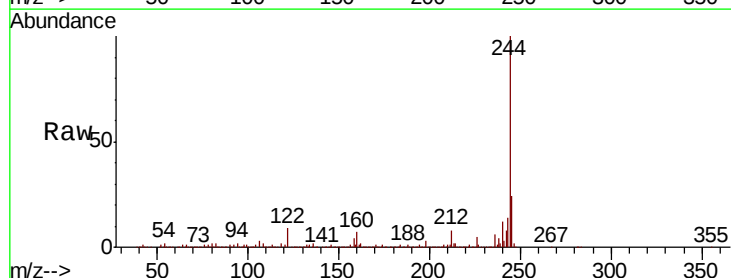
Tgt Ion:244 Resp: 1572712

Ion Ratio Lower Upper

244 100

212 7.9 6.0 9.0

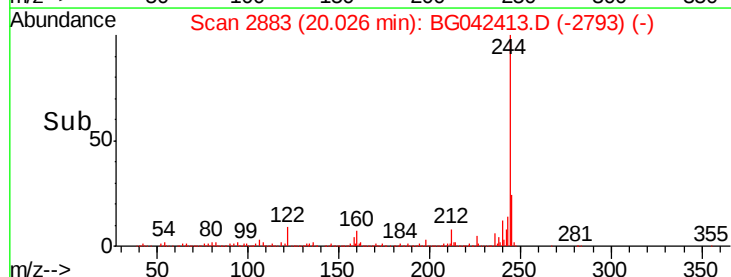
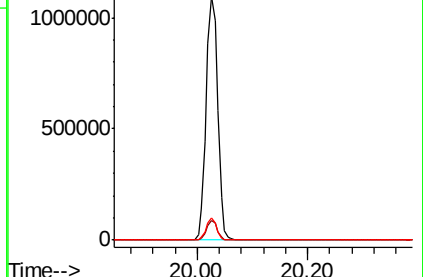
122 8.9 6.7 10.1

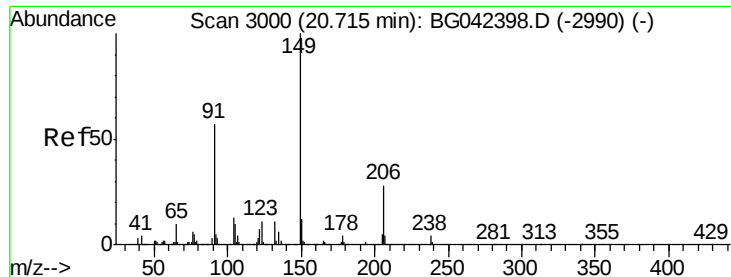


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

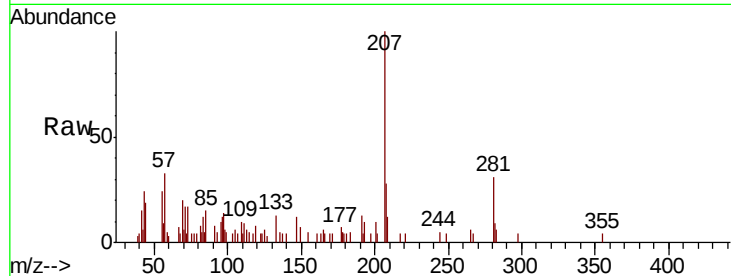




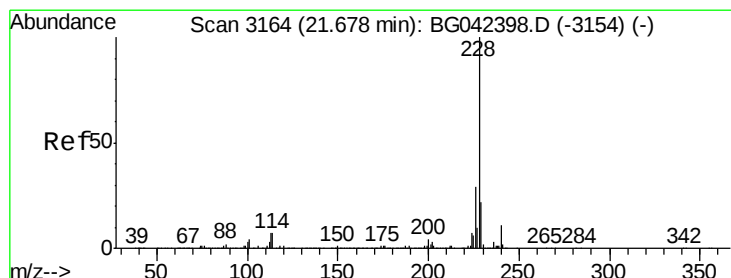
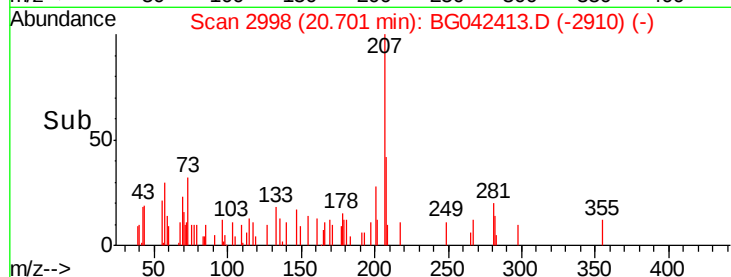
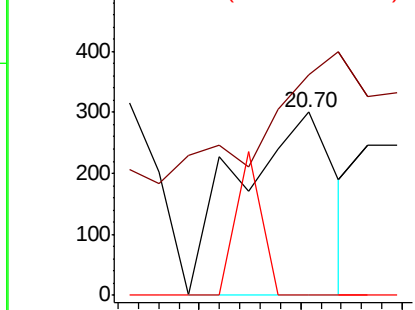
#80
Butylbenzylphthalate
Concen: 0.041 ng
RT: 20.70 min Scan# 2998
Delta R.T. -0.01 min
Lab File: BG042413.D
Acq: 22 Aug 2019 22:50

Instrument :
BNA_G
ClientSampled :

Tot Ion:149 Resp: 398
Ion Ratio Lower Upper
149 100
91 120.3 45.9 68.9#
206 0.0 22.5 33.7#

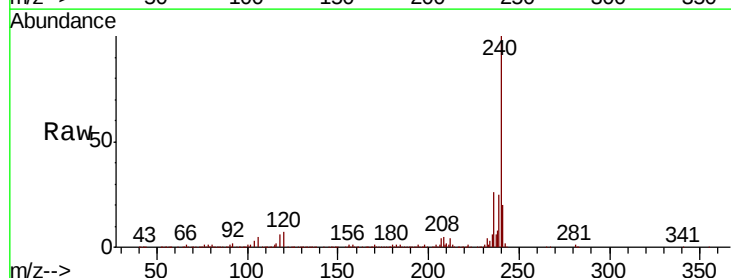


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BG
Ion 206.00 (205.70 to 206.70): E

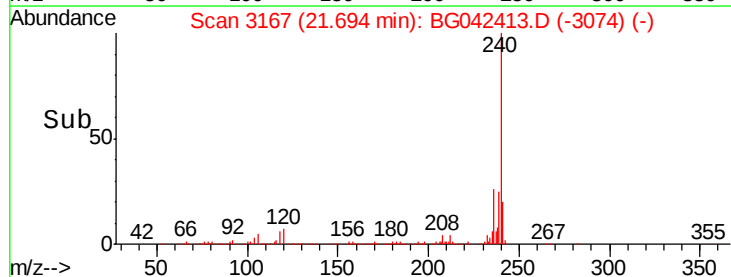
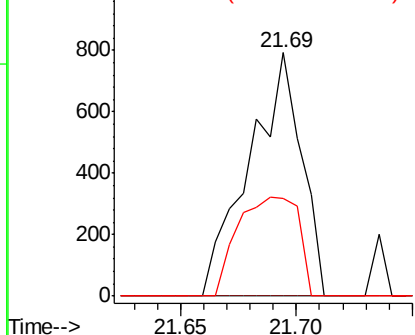


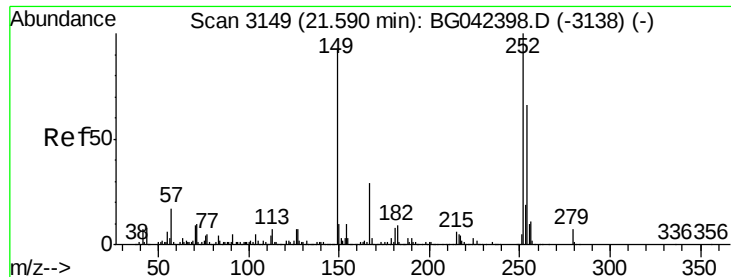
#81
Benzo(a)anthracene
Concen: 0.050 ng
RT: 21.69 min Scan# 3167
Delta R.T. 0.02 min
Lab File: BG042413.D
Acq: 22 Aug 2019 22:50

Tgt Ion:228 Resp: 1246
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

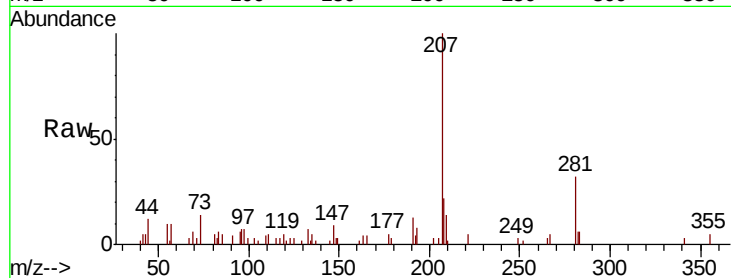




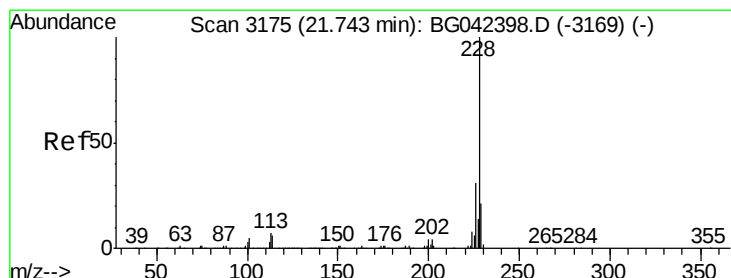
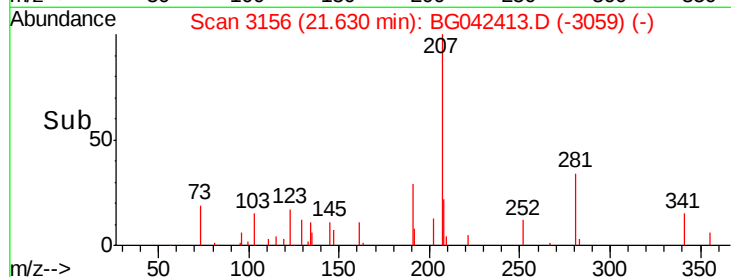
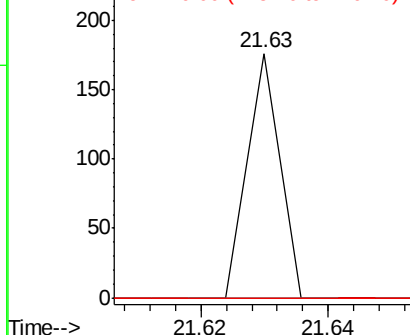
#82
 3,3'-Dichlorobenzidine
 Concen: 0.006 ng
 RT: 21.63 min Scan# 3156
 Delta R.T. 0.04 min
 Lab File: BG042413.D
 Acq: 22 Aug 2019 22:50

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:252 Resp: 62
 Ion Ratio Lower Upper
 252 100
 254 0.0 53.0 79.4#
 126 0.0 5.7 8.5#

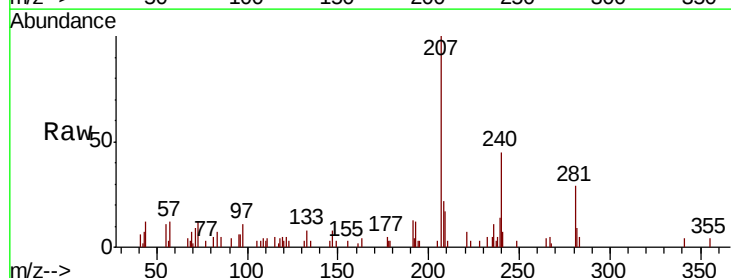


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

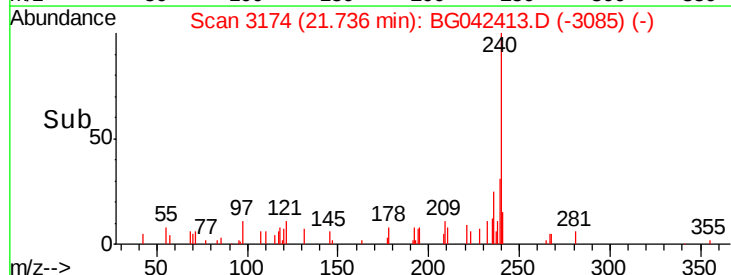
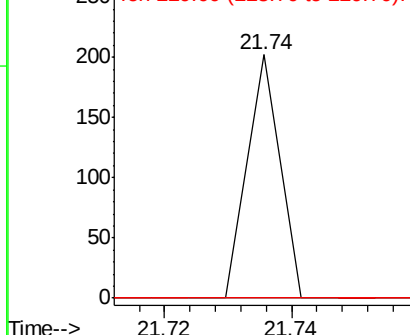


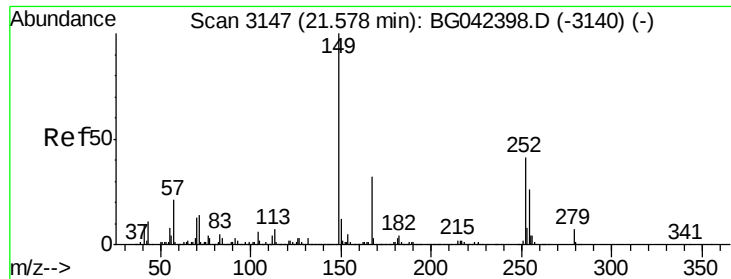
#83
 Chrysene
 Concen: 0.003 ng
 RT: 21.74 min Scan# 3174
 Delta R.T. -0.01 min
 Lab File: BG042413.D
 Acq: 22 Aug 2019 22:50

Tgt Ion:228 Resp: 71
 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

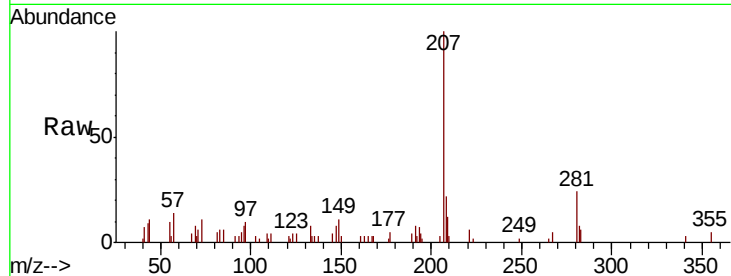




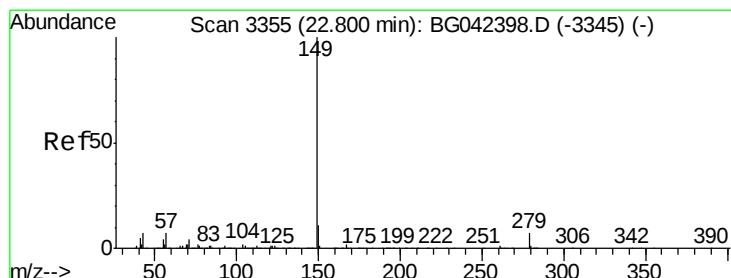
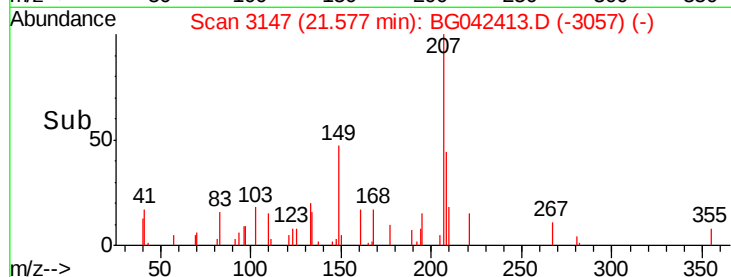
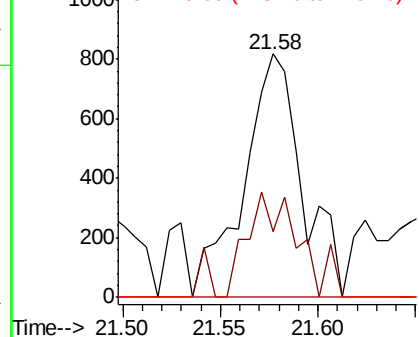
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 0.125 ng
 RT: 21.58 min Scan# 3147
 Delta R.T. -0.00 min
 Lab File: BG042413.D
 Acq: 22 Aug 2019 22:50

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.0	26.0	39.0
279	0.0	5.4	8.0#

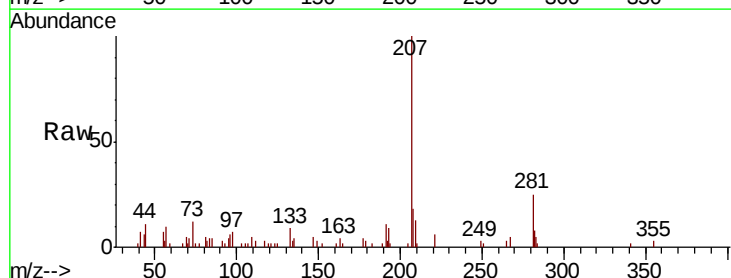


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

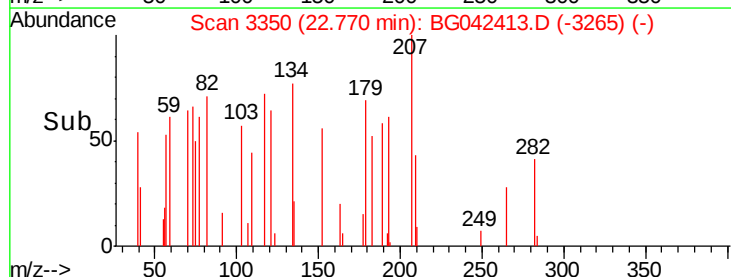
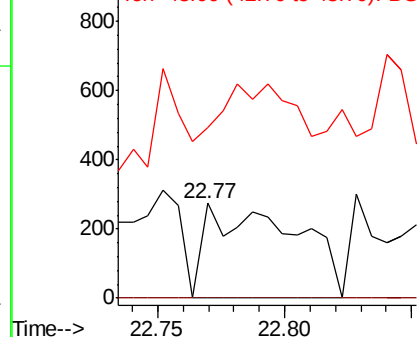


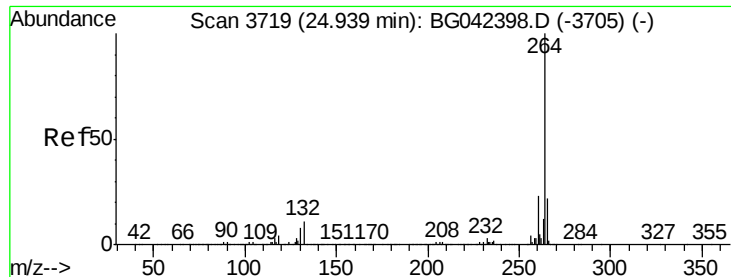
#85
 Di-n-octyl phthalate
 Concen: 0.028 ng
 RT: 22.77 min Scan# 3350
 Delta R.T. -0.03 min
 Lab File: BG042413.D
 Acq: 22 Aug 2019 22:50

Tgt 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): BG0

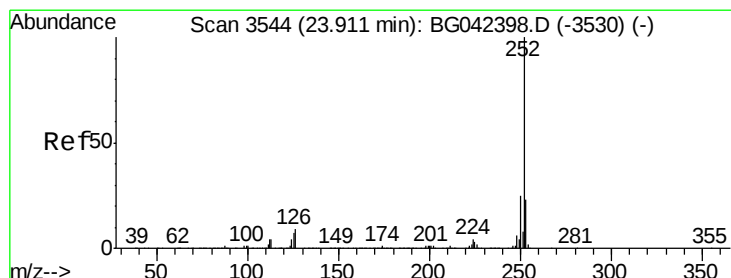
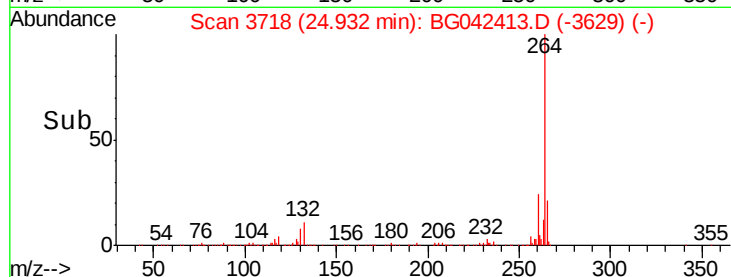
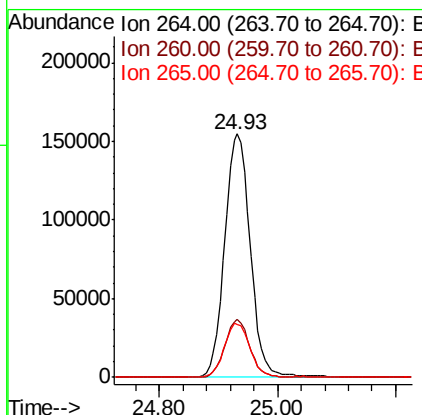
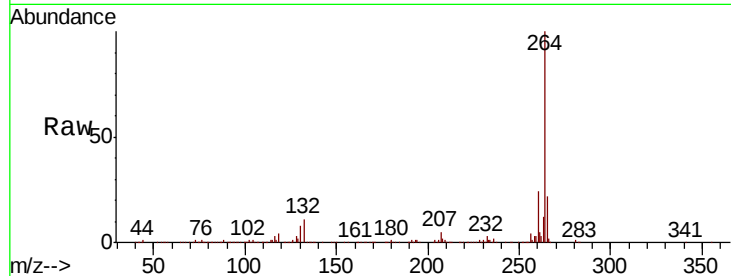




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.93 min Scan# 3718
Delta R.T. -0.01 min
Lab File: BG042413.D
Acq: 22 Aug 2019 22:50

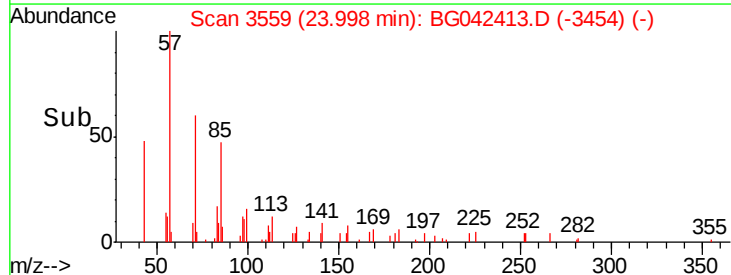
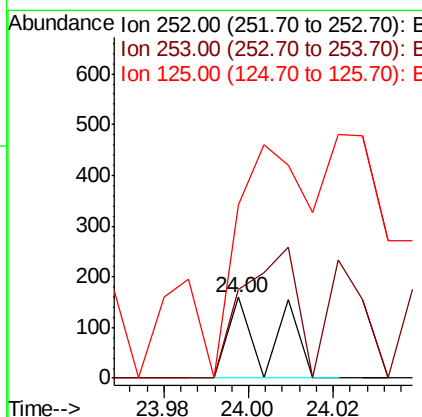
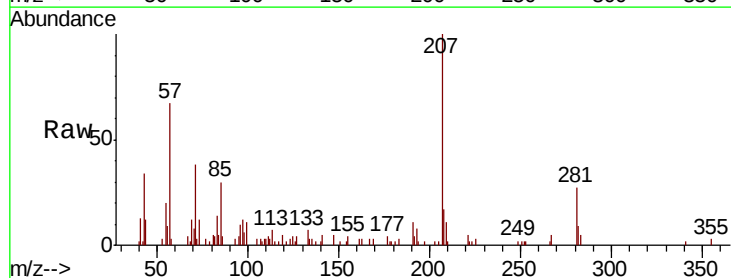
Instrument :
BNA_G
ClientSampleId :

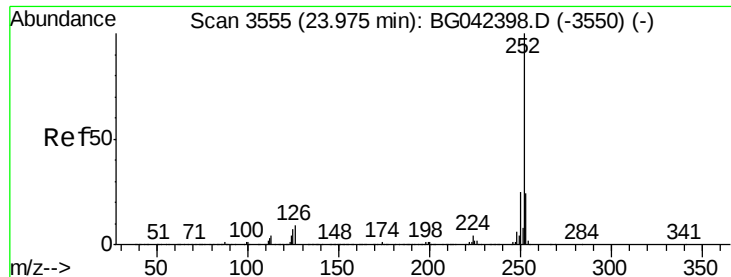
Tot Ion:264 Resp: 467741
Ion Ratio Lower Upper
264 100
260 24.0 18.5 27.7
265 21.5 17.6 26.4



#88
Benzo(b)fluoranthene
Concen: 0.004 ng
RT: 24.00 min Scan# 3559
Delta R.T. 0.09 min
Lab File: BG042413.D
Acq: 22 Aug 2019 22:50

Tgt Ion:252 Resp: 111
Ion Ratio Lower Upper
252 100
253 109.4 18.6 27.8#
125 214.5 5.6 8.4#





#89

Benzo(k)fluoranthene

Concen: 0.004 ng

RT: 24.00 min Scan# 3559

Delta R.T. 0.02 min

Lab File: BG042413.D

Acq: 22 Aug 2019 22:50

Instrument :

BNA_G

ClientSampleId :

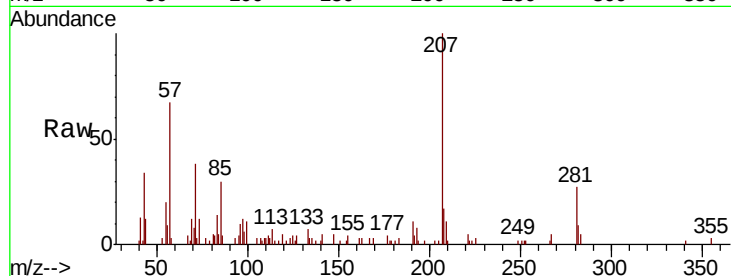
Tot Ion:252 Resp: 111

Ion Ratio Lower Upper

252 100

253 109.4 18.6 27.8#

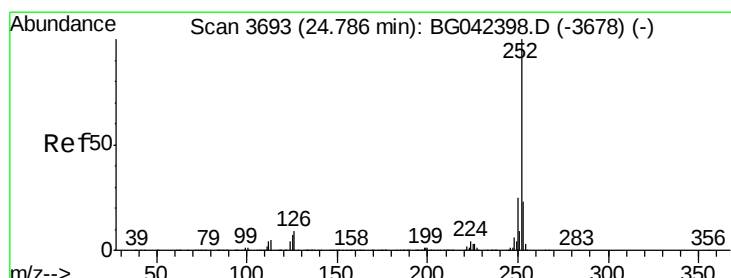
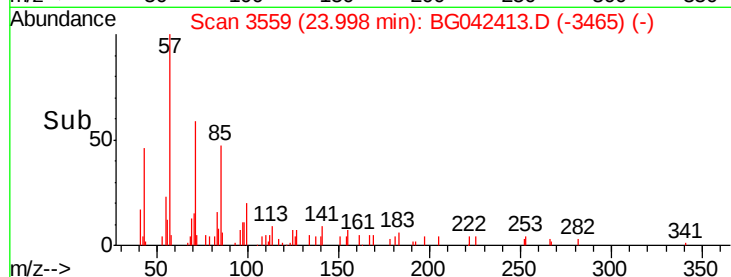
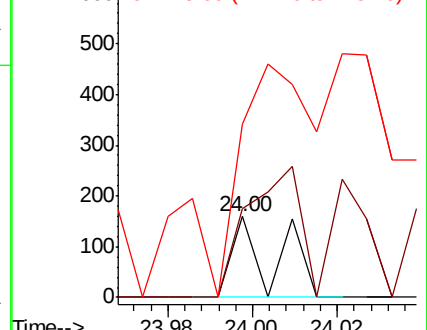
125 214.5 5.8 8.6#



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: 0.079 ng

RT: 24.94 min Scan# 3719

Delta R.T. 0.15 min

Lab File: BG042413.D

Acq: 22 Aug 2019 22:50

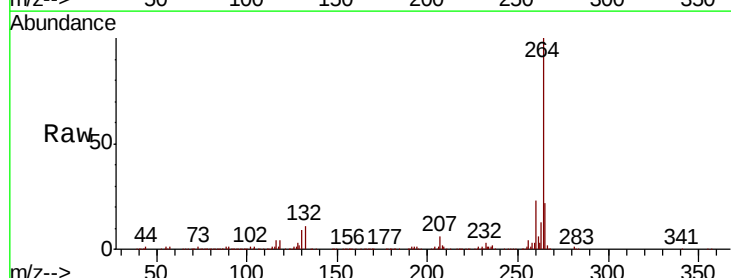
Tgt Ion:252 Resp: 1918

Ion Ratio Lower Upper

252 100

253 39.9 18.4 27.6#

125 46.3 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

