

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082219\
 Data File : BG042408.D
 Acq On : 22 Aug 2019 19:37
 Operator : HP/JU
 Sample : PB122408TB
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 23 02:35:11 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	58519	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	229251	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	167241	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	384809	20.00	ng	0.00
76) Chrysene-d12	21.69	240	412235	20.00	ng	0.00
87) Perylene-d12	24.94	264	477041	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	338494	117.15	ng	0.00
7) Phenol-d6	7.17	99	447863	114.75	ng	0.00
23) Nitrobenzene-d5	9.17	82	255656	77.06	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	243597	102.48	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	821923	83.12	ng	0.00
79) Terphenyl-d14	20.03	244	1468405	77.01	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.39	88	61	0.051	ng	# 1
4) n-Nitrosodimethylamine	3.73	42	374	0.339	ng	# 1
6) Aniline	7.53	93	583	0.112	ng	# 1
9) Benzaldehyde	7.16	77	678	0.347	ng	# 1
10) Phenol	7.54	94	850	0.214	ng	# 1
11) bis(2-Chloroethyl)ether	7.53	93	583	0.187	ng	# 1
15) Benzyl Alcohol	8.32	79	4187	1.491	ng	# 46
19) n-Nitroso-di-n-propylamine	9.17	70	32859	12.995	ng	# 75
24) Nitrobenzene	9.17	77	890	0.265	ng	# 26
25) Isophorone	9.54	82	111	0.017	ng	# 59
46) 1,1'-Biphenyl	13.50	154	954	0.088	ng	# 93
48) 2-Nitroaniline	13.28	65	1014	0.451	ng	# 1
51) 2,6-Dinitrotoluene	14.66	165	21773	7.784	ng	# 37
52) Acenaphthene	14.66	154	512	0.060	ng	# 4
57) 2,4-Dinitrotoluene	14.66	165	21773	5.436	ng	# 40
58) Fluorene	16.15	166	8033	0.697	ng	# 77
63) Azobenzene	16.15	77	878	0.109	ng	# 7
65) 4,6-Dinitro-2-methylphenol	16.15	198	480	0.199	ng	# 1
66) n-Nitrosodiphenylamine	16.15	169	7081	0.669	ng	# 40
67) 4-Bromophenyl-phenylether	16.23	248	609	0.125	ng	# 1
71) Phenanthrene	17.44	178	56	0.003	ng	# 59
72) Anthracene	17.44	178	56	0.003	ng	# 60
74) Di-n-butylphthalate	18.39	149	402	0.020	ng	# 77
75) Fluoranthene	19.84	202	66	0.003	ng	# 63
77) Benzidine	19.69	184	2516	0.213	ng	# 77
78) Pyrene	20.03	202	5000	0.198	ng	# 68
80) Butylbenzylphthalate	20.72	149	248	0.025	ng	# 30
81) Benzo(a)anthracene	21.70	228	1325	0.053	ng	# 57
82) 3,3'-Dichlorobenzidine	21.65	252	56	0.006	ng	# 23
83) Chrysene	21.70	228	1325	0.055	ng	# 55
84) Bis(2-ethylhexyl)phthalate	21.58	149	1195	0.087	ng	# 61
85) Di-n-octyl phthalate	22.79	149	373	0.016	ng	# 84
86) Indeno(1,2,3-cd)pyrene	28.67	276	62	0.002	ng	# 55
88) Benzo(b)fluoranthene	23.93	252	63	0.002	ng	# 11

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QLast Update : Thu Aug 22 14:29:15 2019
Response via : Initial Calibration

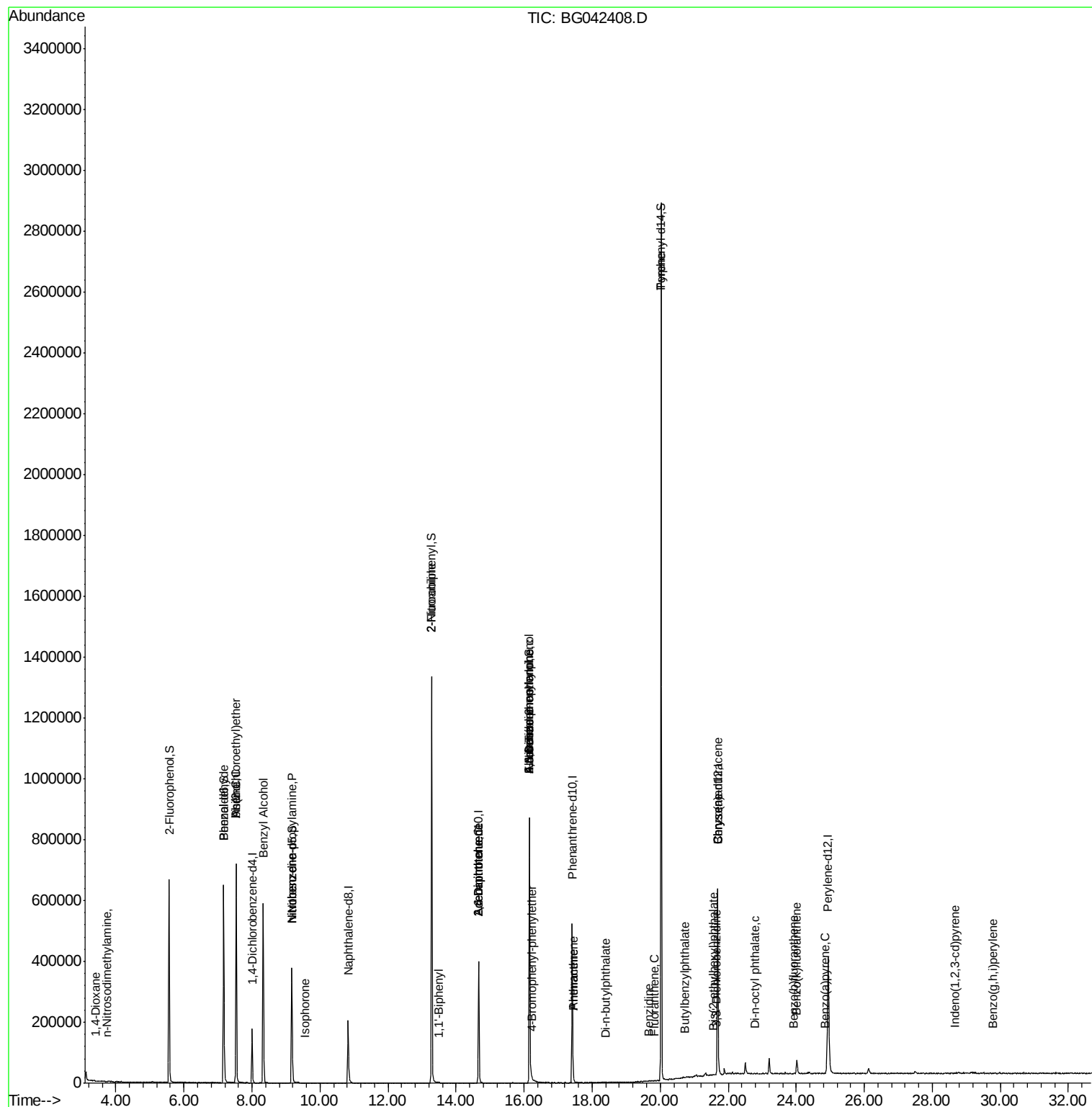
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Benzo(k)fluoranthene	24.02	252	66	0.003	ng	# 1
90) Benzo(a)pyrene	24.83	252	64	0.003	ng	# 4
92) Benzo(q,h,i)perylene	29.79	276	67	0.003	ng	# 56

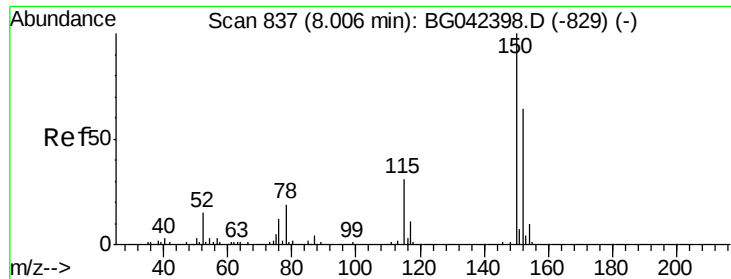
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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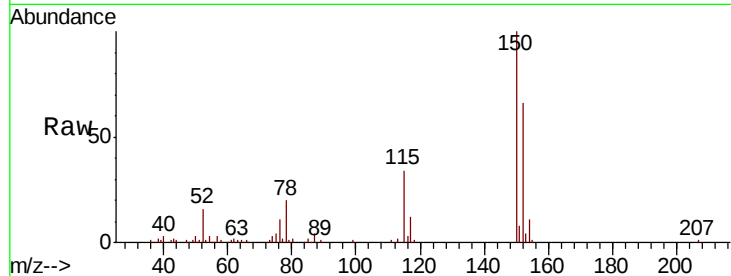


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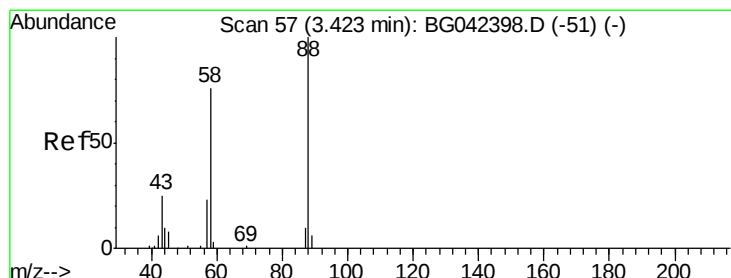
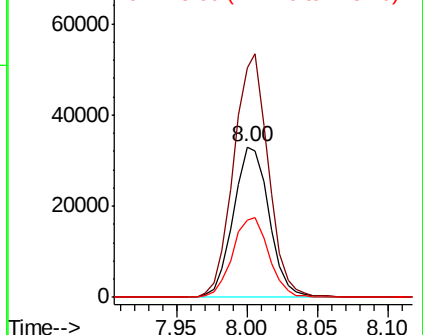
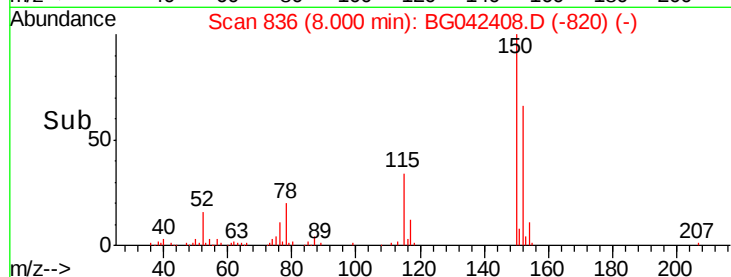
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG042408.D
Acq: 22 Aug 2019 19:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 58519
Ion Ratio Lower Upper
152 100
150 151.9 125.4 188.0
115 51.4 38.5 57.7



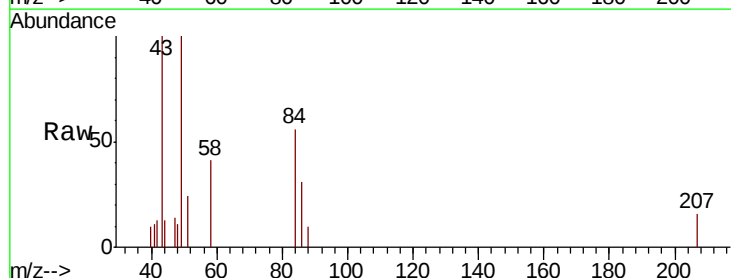
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



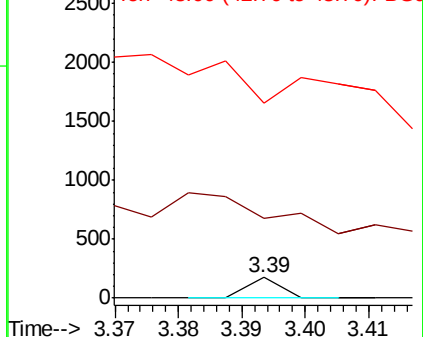
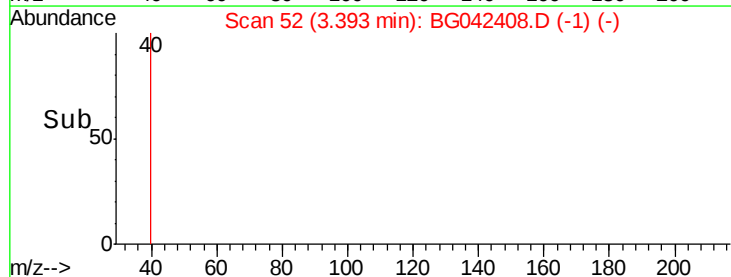
#2

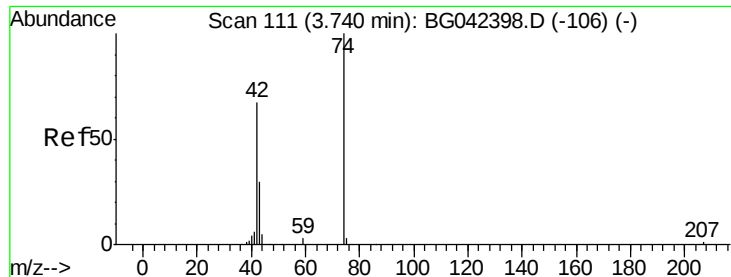
1,4-Dioxane
Concen: 0.051 ng
RT: 3.39 min Scan# 52
Delta R.T. -0.03 min
Lab File: BG042408.D
Acq: 22 Aug 2019 19:37

Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
58 542.6 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



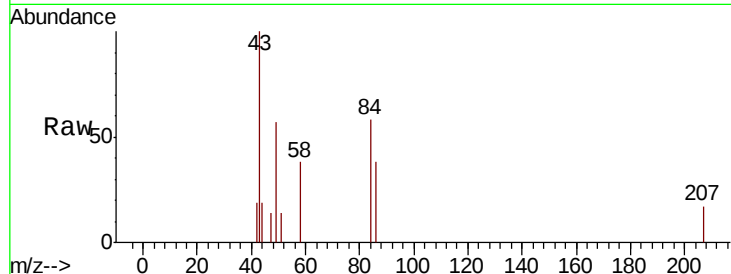


#4

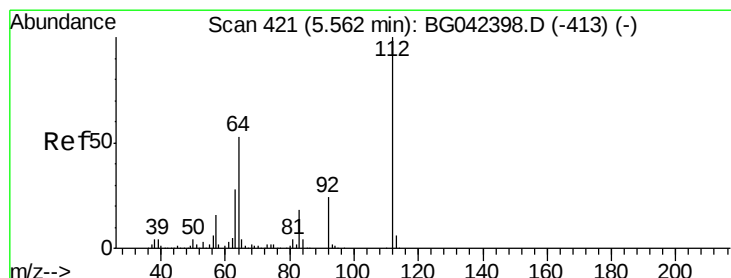
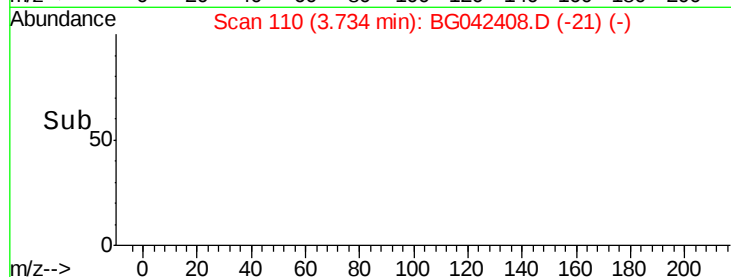
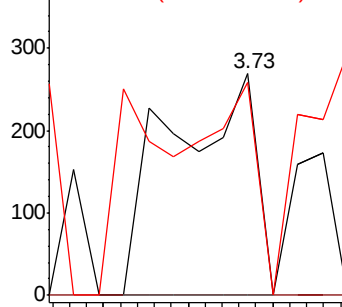
n-Nitrosodimethylamine
 Concen: 0.339 ng
 RT: 3.73 min Scan# 110
 Delta R.T. -0.01 min
 Lab File: BG042408.D
 Acq: 22 Aug 2019 19:37

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
42	100		
74	0.0	119.6	179.4#
44	95.9	6.5	9.7#



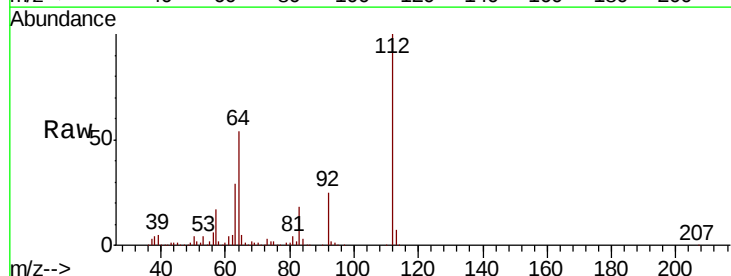
Abundance Ion 42.00 (41.70 to 42.70): BGC
 Ion 74.00 (73.70 to 74.70): BGC
 Ion 44.00 (43.70 to 44.70): BGC



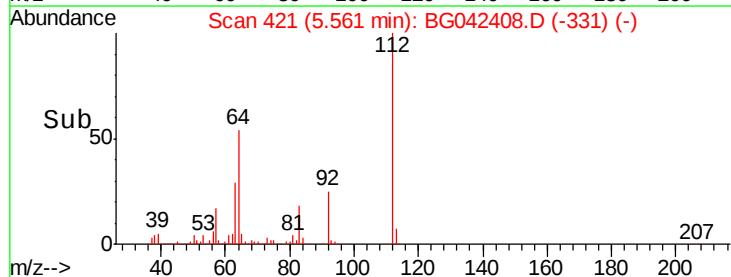
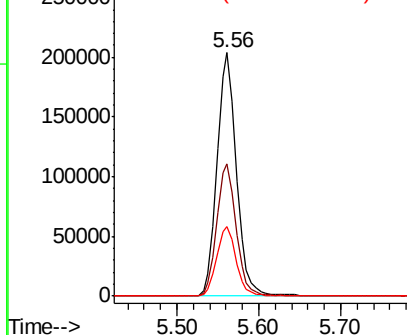
#5

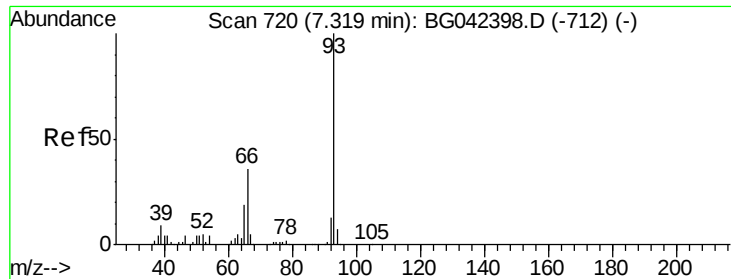
2-Fluorophenol
 Concen: 117.150 ng
 RT: 5.56 min Scan# 421
 Delta R.T. -0.00 min
 Lab File: BG042408.D
 Acq: 22 Aug 2019 19:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.2	42.8	64.2
63	28.6	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: 0.112 ng

RT: 7.53 min Scan# 756

Delta R.T. 0.21 min

Lab File: BG042408.D

Acq: 22 Aug 2019 19:37

Instrument :

BNA_G

ClientSampleId :

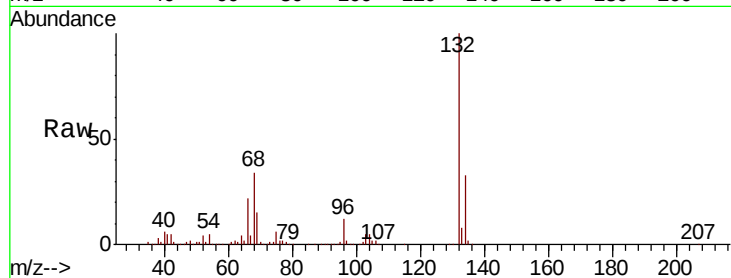
Tot Ion: 93 Resp: 583

Ion Ratio Lower Upper

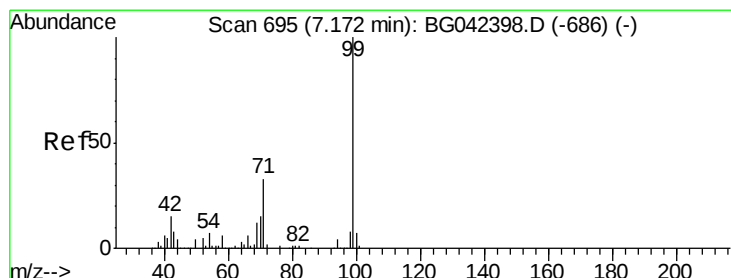
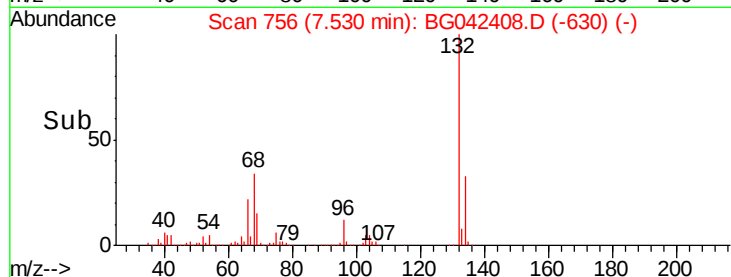
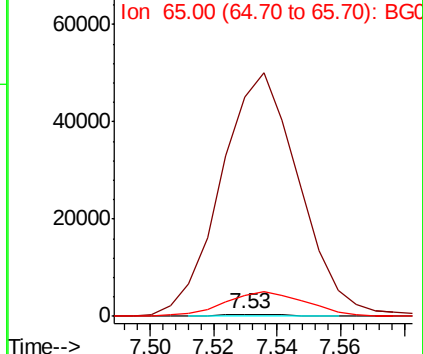
93 100

66 9909.5 29.0 43.6#

65 917.1 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: 114.750 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG042408.D

Acq: 22 Aug 2019 19:37

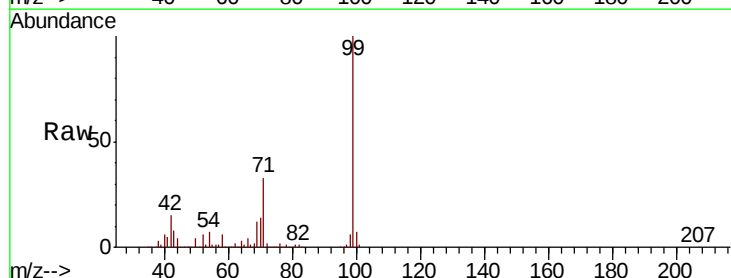
Tgt Ion: 99 Resp: 447863

Ion Ratio Lower Upper

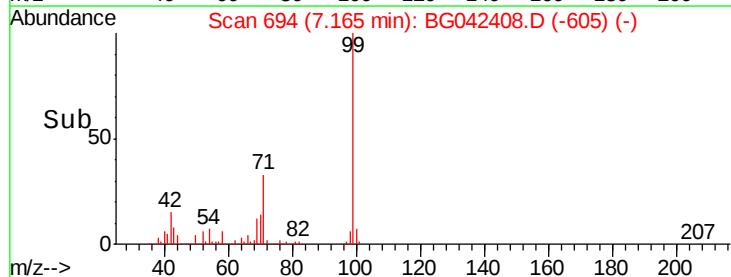
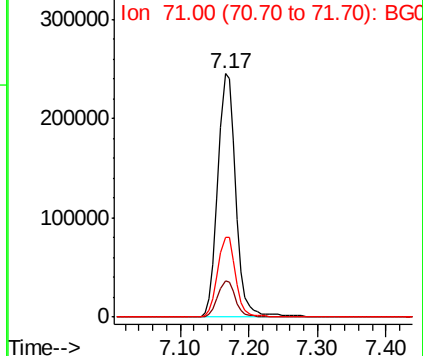
99 100

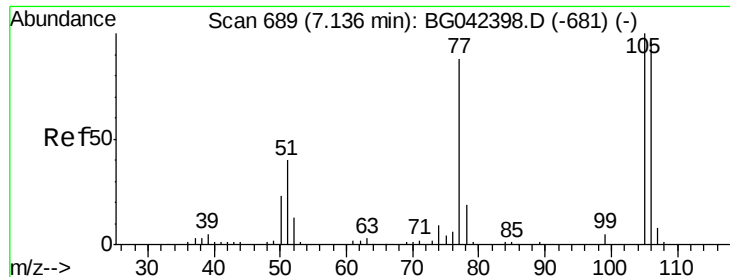
42 14.9 12.0 18.0

71 32.9 26.3 39.5



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





#9

Benzaldehyde

Concen: 0.347 ng

RT: 7.16 min Scan# 693

Delta R.T. 0.02 min

Lab File: BG042408.D

Acq: 22 Aug 2019 19:37

Instrument :

BNA_G

ClientSampleId :

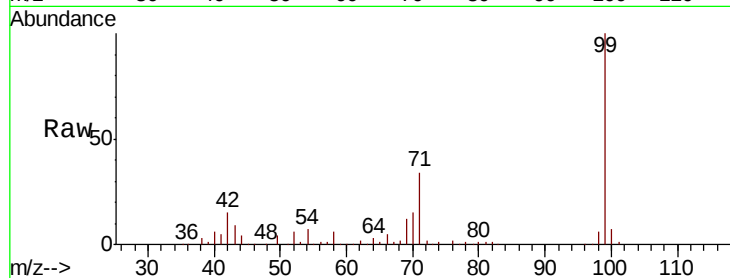
Tot Ion: 77 Resp: 678

Ion Ratio Lower Upper

77 100

105 0.0 93.4 133.4#

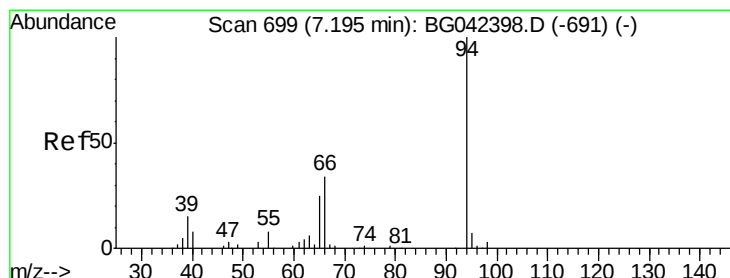
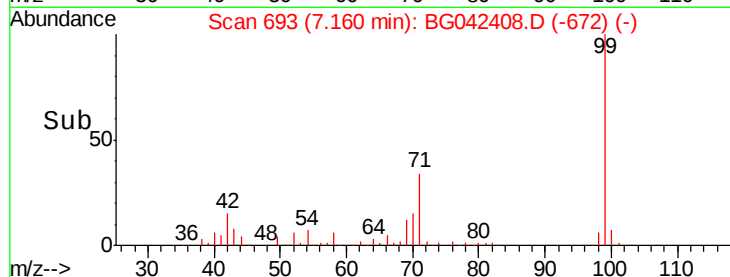
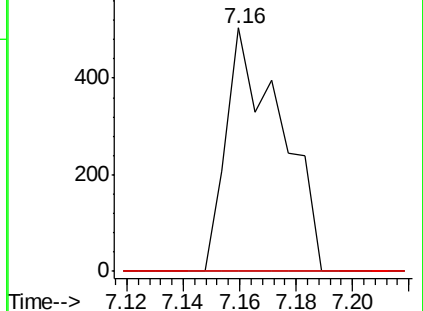
106 0.0 88.4 128.4#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 0.214 ng

RT: 7.54 min Scan# 757

Delta R.T. 0.34 min

Lab File: BG042408.D

Acq: 22 Aug 2019 19:37

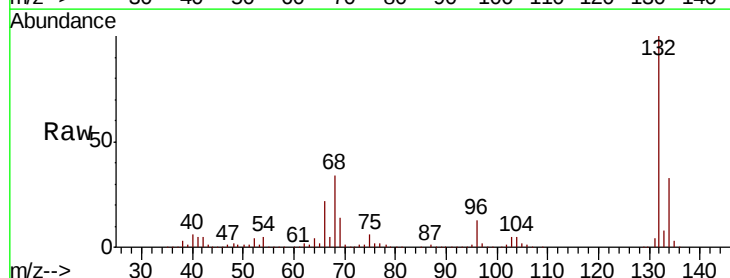
Tgt Ion: 94 Resp: 850

Ion Ratio Lower Upper

94 100

65 828.8 5.6 45.6#

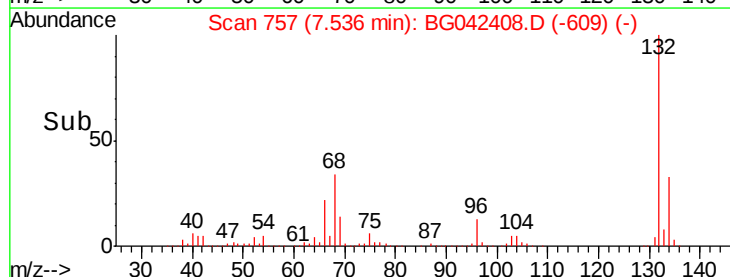
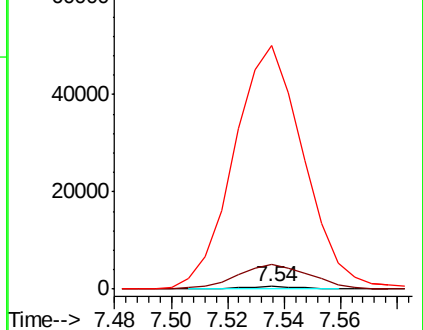
66 8276.4 16.0 56.0#

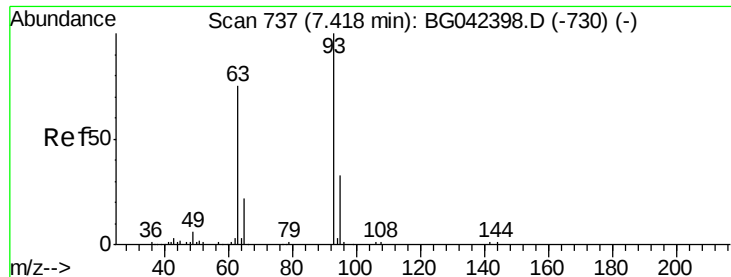


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#11

bis(2-Chloroethyl)ether

Concen: 0.187 ng

RT: 7.53 min Scan# 756

Delta R.T. 0.11 min

Lab File: BG042408.D

Acq: 22 Aug 2019 19:37

Instrument :

BNA_G

ClientSampled :

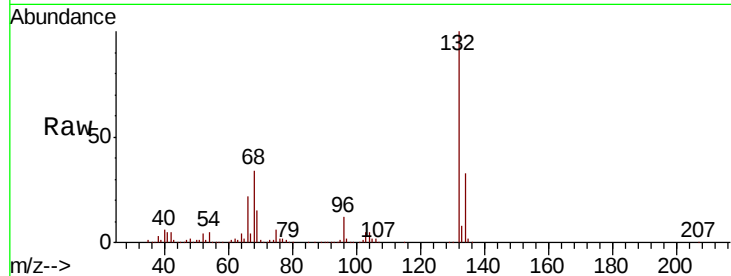
Tot Ion: 93 Resp: 583

Ion Ratio Lower Upper

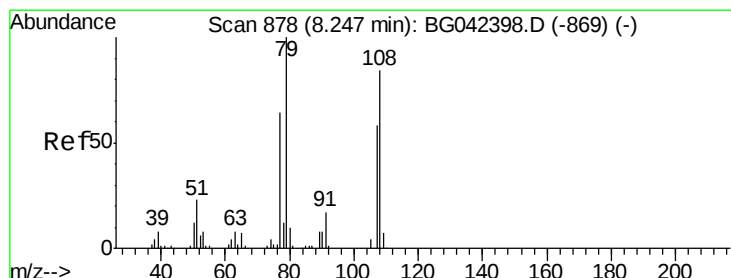
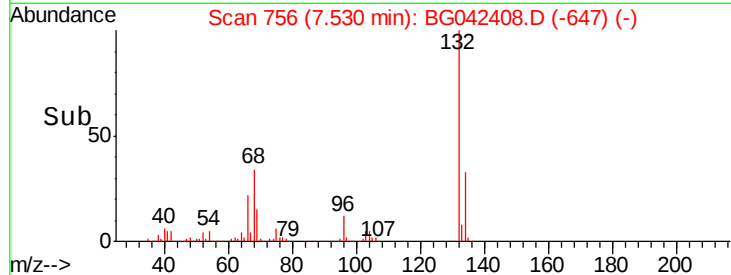
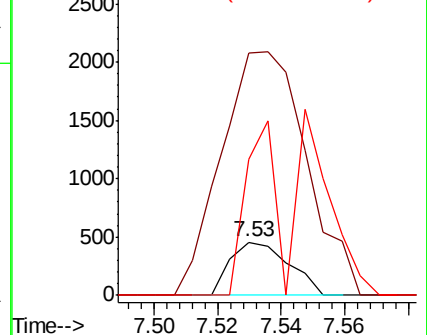
93 100

63 456.5 53.8 93.8#

95 256.3 13.1 53.1#



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



#15

Benzyl Alcohol

Concen: 1.491 ng

RT: 8.32 min Scan# 891

Delta R.T. 0.08 min

Lab File: BG042408.D

Acq: 22 Aug 2019 19:37

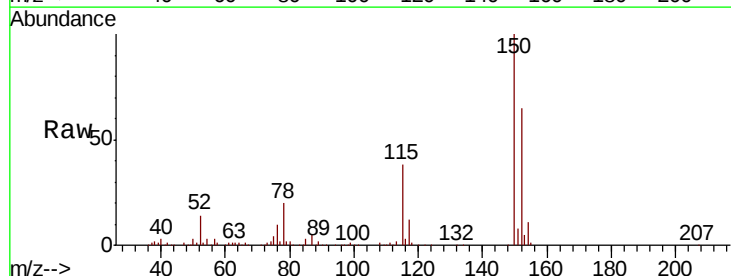
Tgt Ion: 79 Resp: 4187

Ion Ratio Lower Upper

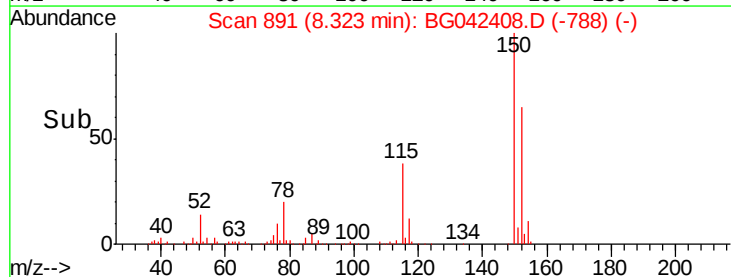
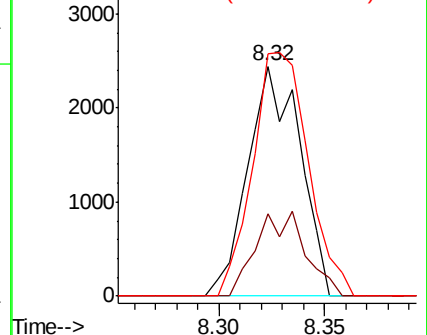
79 100

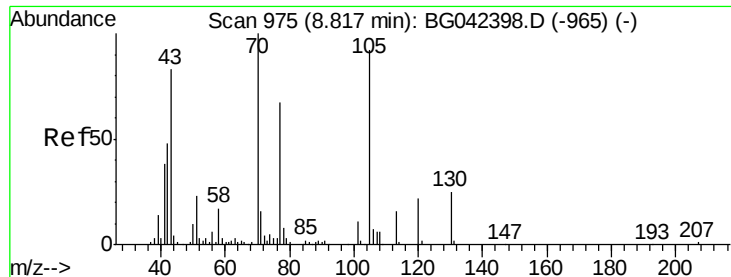
108 35.7 67.4 101.2#

77 105.5 50.8 76.2#



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

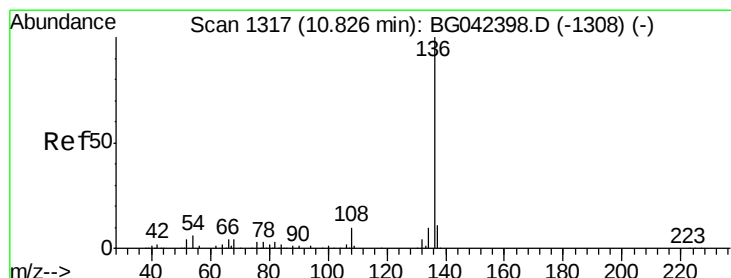
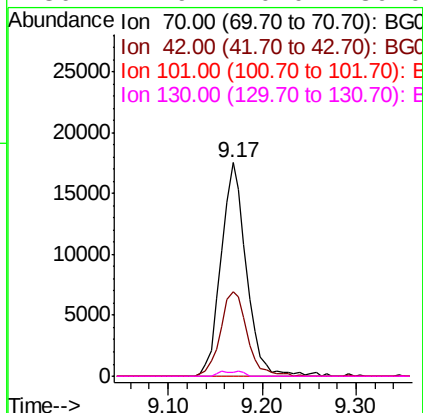
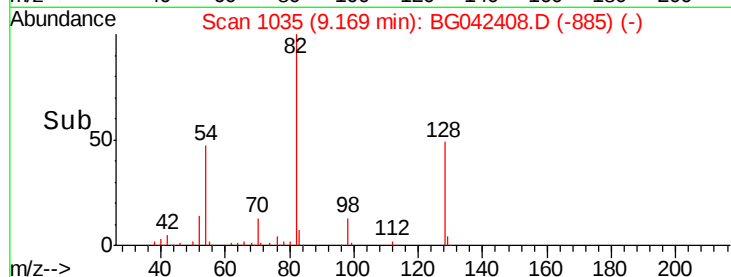
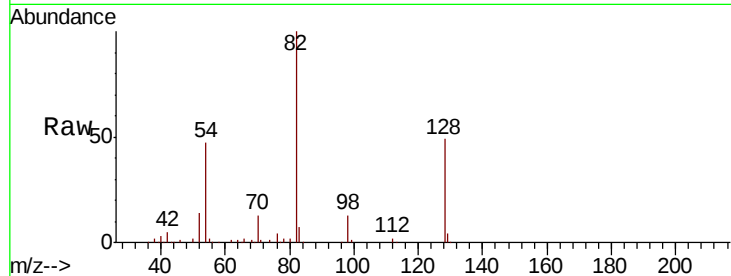




#19
n-Nitroso-di-n-propylamine
Concen: 12.995 ng
RT: 9.17 min Scan# 1035
Delta R.T. 0.35 min
Lab File: BG042408.D
Acq: 22 Aug 2019 19:37

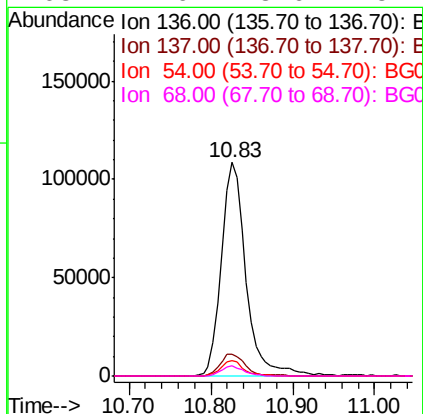
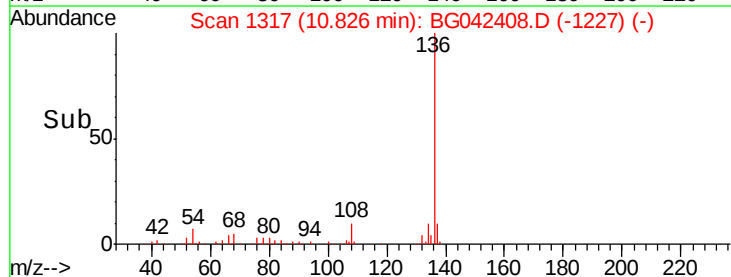
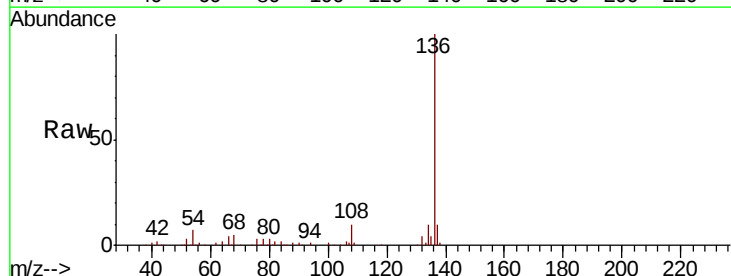
Instrument :
BNA_G
ClientSampled :

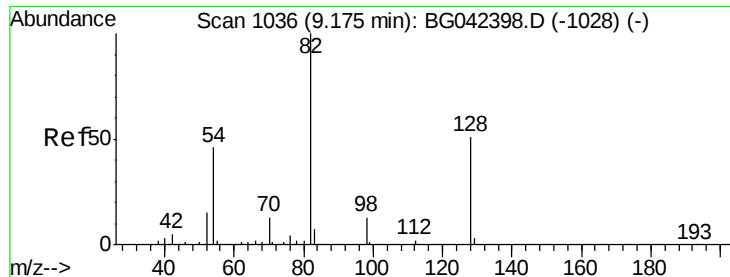
Tot Ion: 70 Resp: 32859
Ion Ratio Lower Upper
70 100
42 39.5 38.8 58.2
101 0.0 9.0 13.6#
130 1.9 20.0 30.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BG042408.D
Acq: 22 Aug 2019 19:37

Tgt Ion: 136 Resp: 229251
Ion Ratio Lower Upper
136 100
137 10.4 8.7 13.1
54 7.0 4.9 7.3
68 4.6 3.6 5.4

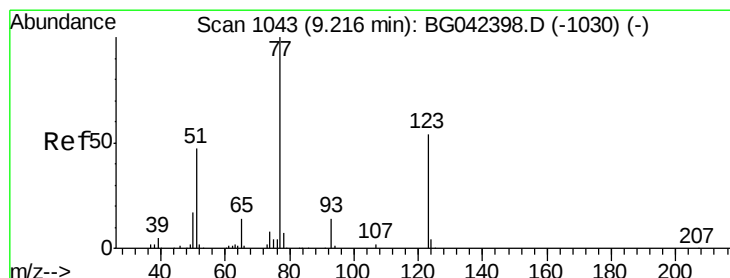
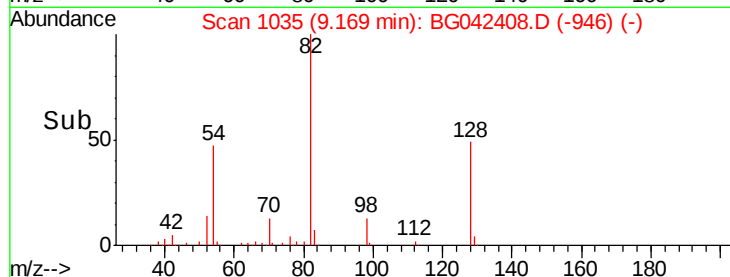
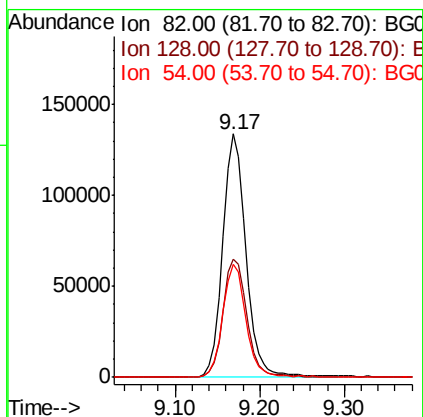
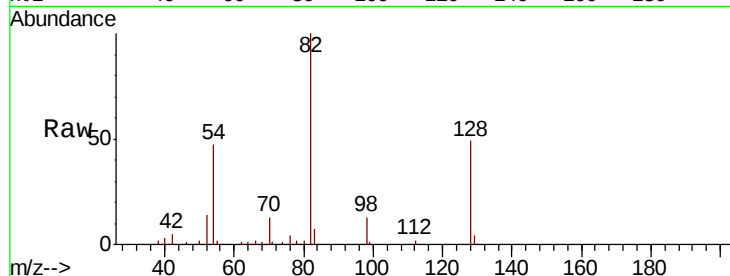




#23
Nitrobenzene-d5
Concen: 77.063 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BG042408.D
Acq: 22 Aug 2019 19:37

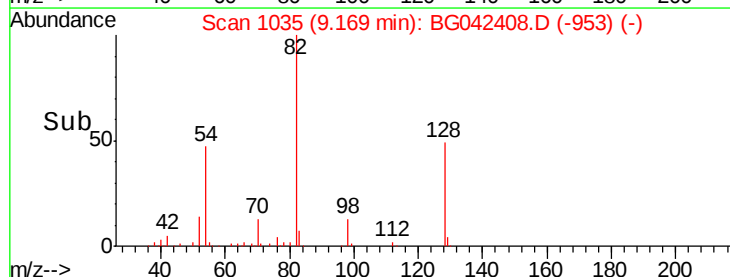
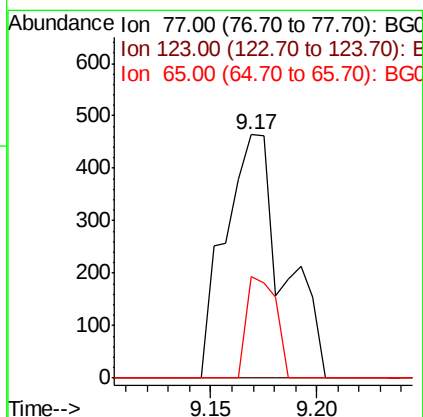
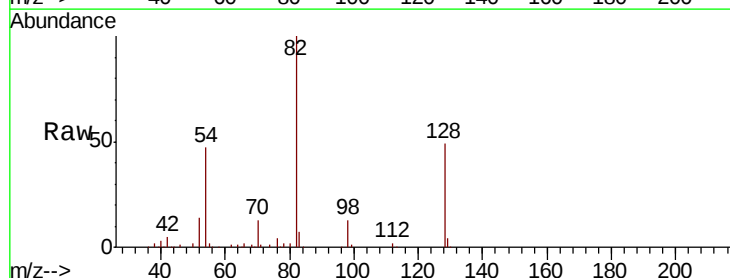
Instrument :
BNA_G
ClientSampleId :

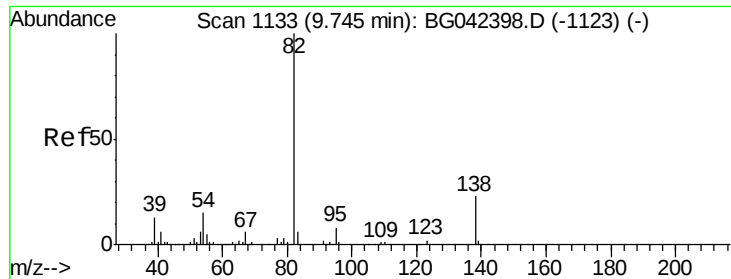
Tot Ion	82	Resp	255656
Ion Ratio	Lower	Upper	
82	100		
128	48.7	40.7	61.1
54	46.6	36.3	54.5



#24
Nitrobenzene
Concen: 0.265 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.05 min
Lab File: BG042408.D
Acq: 22 Aug 2019 19:37

Tgt Ion	77	Resp	890
Ion Ratio	Lower	Upper	
77	100		
123	0.0	43.4	65.0#
65	41.8	11.0	16.6#





#25

Isophorone

Concen: 0.017 ng

RT: 9.54 min Scan# 1098

Delta R.T. -0.21 min

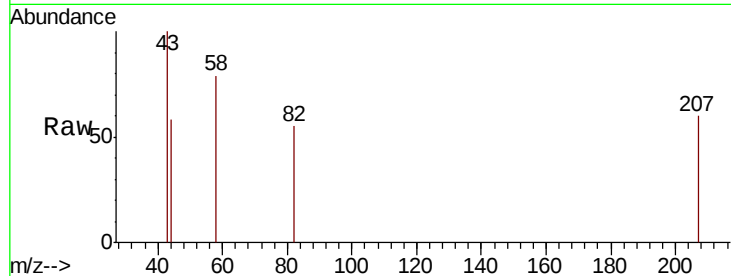
Lab File: BG042408.D

Acq: 22 Aug 2019 19:37

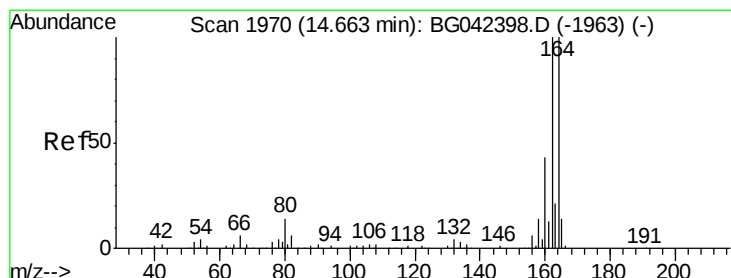
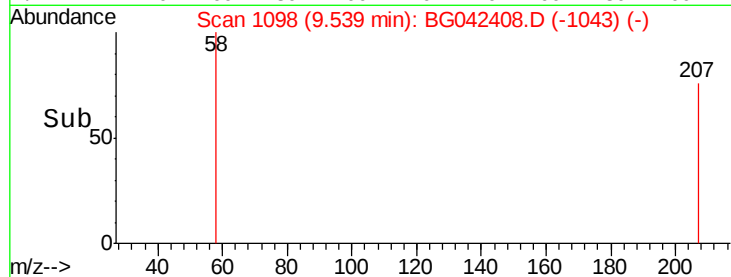
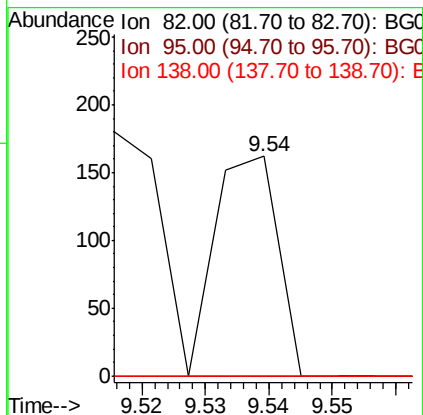
Instrument :

BNA_G

ClientSampled :



Tot Ion:	82	Resp:	111
Ion	Ratio	Lower	Upper
82	100		
95	0.0	6.6	9.8#
138	0.0	18.6	27.8#



#39

Acenaphthene-d10

Concen: 20.000 ng

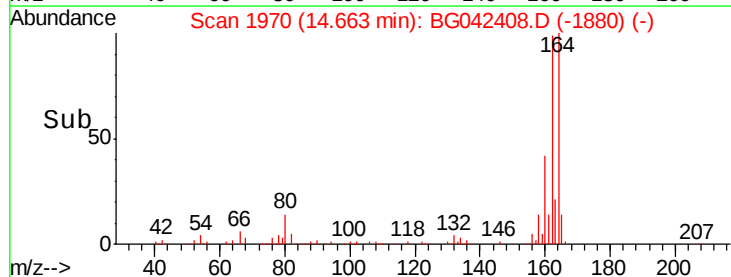
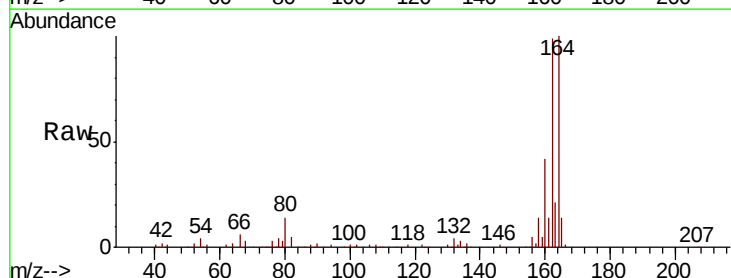
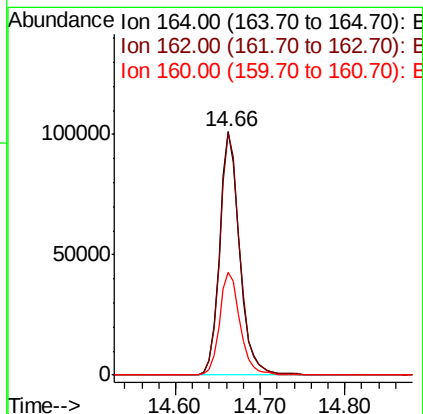
RT: 14.66 min Scan# 1970

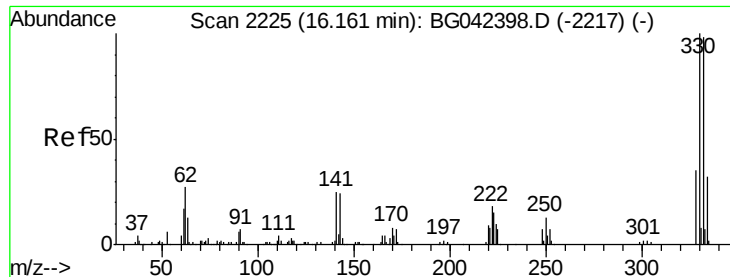
Delta R.T. -0.00 min

Lab File: BG042408.D

Acq: 22 Aug 2019 19:37

Tgt Ion:	164	Resp:	167241
Ion	Ratio	Lower	Upper
164	100		
162	99.3	79.9	119.9
160	42.4	34.3	51.5





#42

2,4,6-Tribromophenol

Concen: 102.478 ng

RT: 16.15 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG042408.D

Acq: 22 Aug 2019 19:37

Instrument :

BNA_G

ClientSampleId :

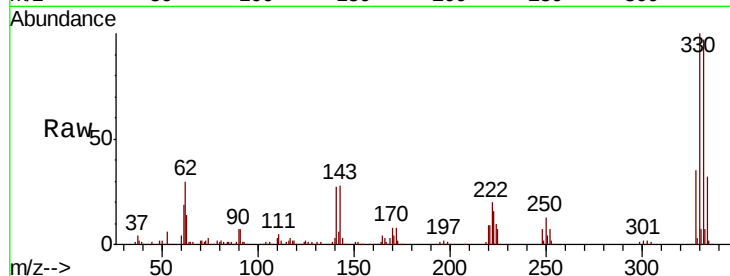
Tot Ion:330 Resp: 243597

Ion Ratio Lower Upper

330 100

332 95.5 77.4 116.0

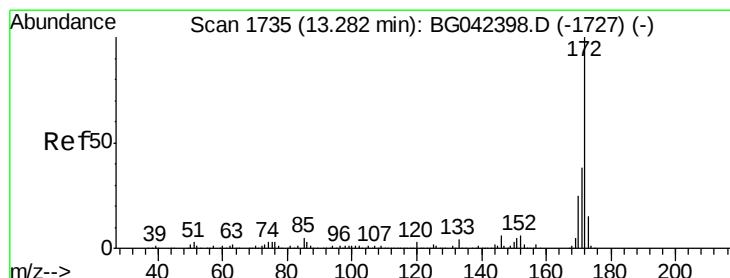
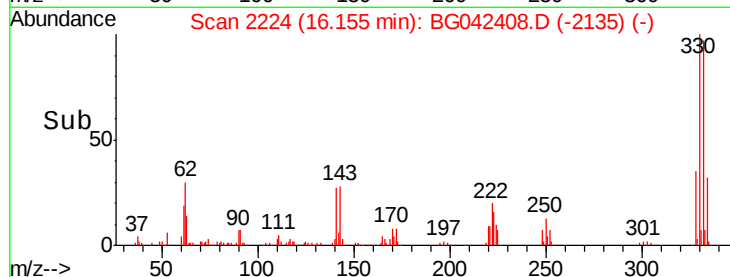
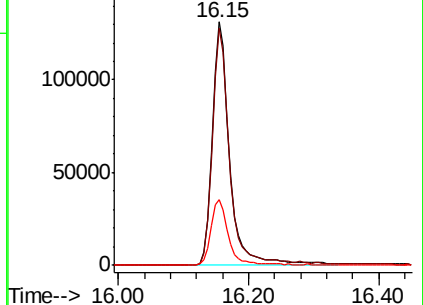
141 26.8 21.4 32.0



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: 83.120 ng

RT: 13.28 min Scan# 1735

Delta R.T. -0.00 min

Lab File: BG042408.D

Acq: 22 Aug 2019 19:37

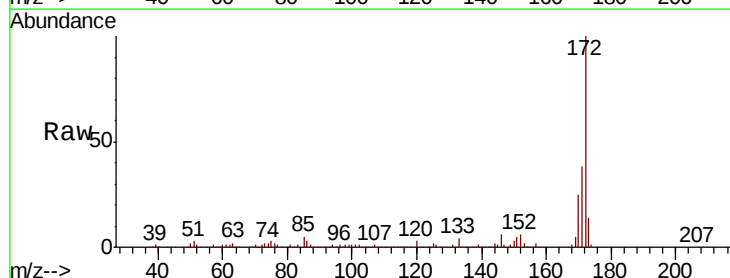
Tgt Ion:172 Resp: 821923

Ion Ratio Lower Upper

172 100

171 38.2 30.5 45.7

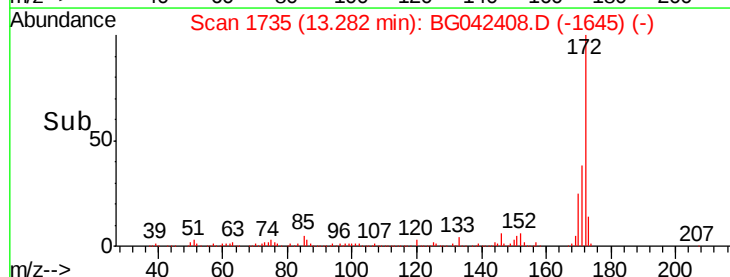
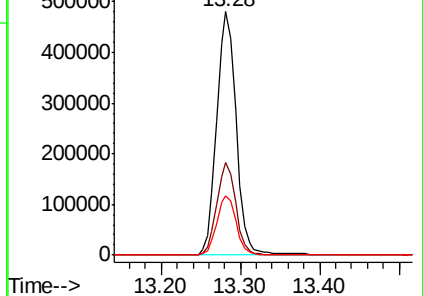
170 24.6 20.2 30.2

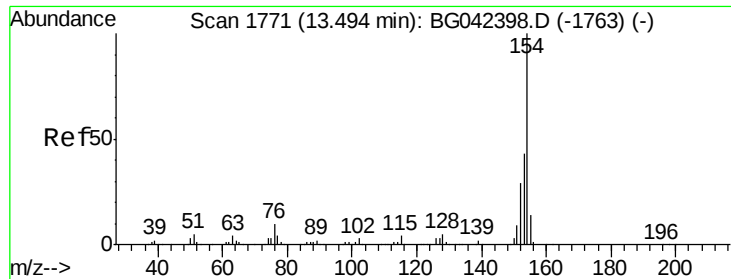


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#46

1,1'-Biphenyl

Concen: 0.088 ng

RT: 13.50 min Scan# 1772

Delta R.T. 0.01 min

Lab File: BG042408.D

Acq: 22 Aug 2019 19:37

Instrument :

BNA_G

ClientSampled :

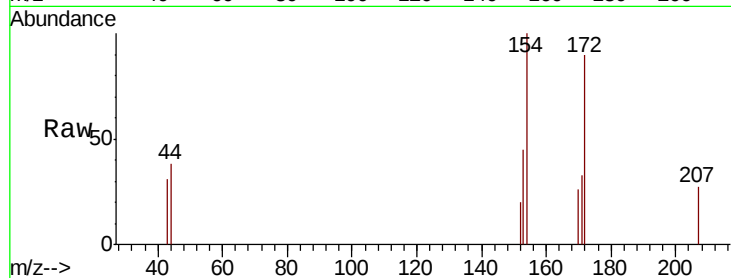
Tot Ion:154 Resp: 954

Ion Ratio Lower Upper

154 100

153 44.9 23.0 63.0

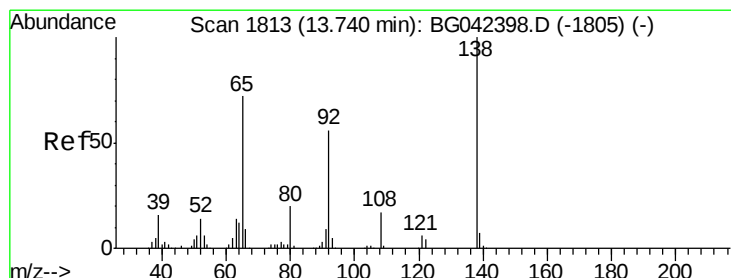
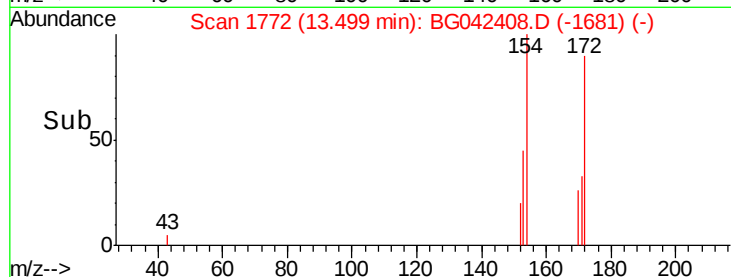
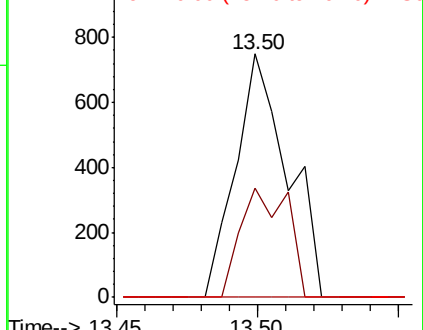
76 0.0 0.0 29.6



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: 0.451 ng

RT: 13.28 min Scan# 1735

Delta R.T. -0.46 min

Lab File: BG042408.D

Acq: 22 Aug 2019 19:37

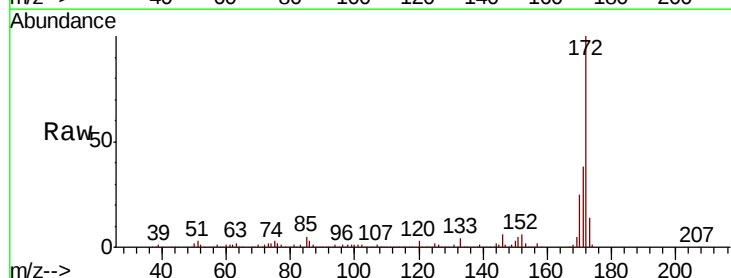
Tgt Ion: 65 Resp: 1014

Ion Ratio Lower Upper

65 100

92 228.4 61.8 92.6#

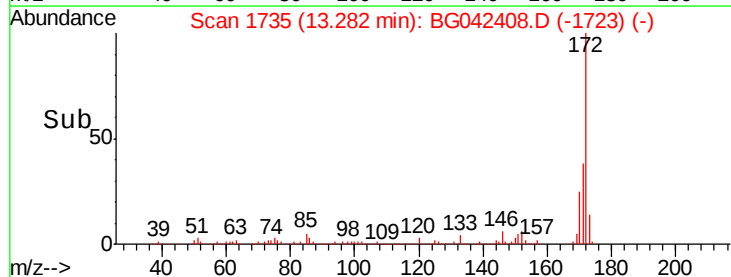
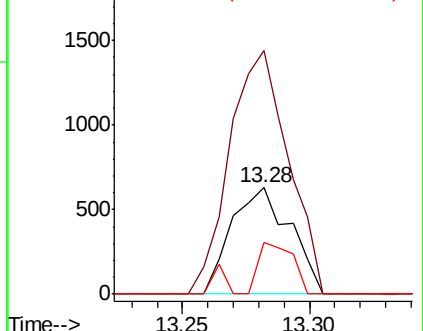
138 49.0 111.0 166.6#

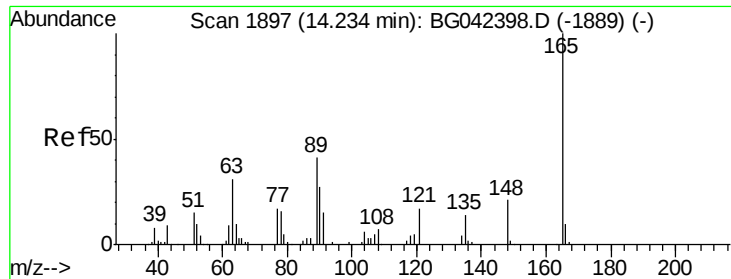


Abundance Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): E





#51

2,6-Dinitrotoluene

Concen: 7.784 ng

RT: 14.66 min Scan# 1970

Delta R.T. 0.43 min

Lab File: BG042408.D

Acq: 22 Aug 2019 19:37

Instrument :

BNA_G

ClientSampleId :

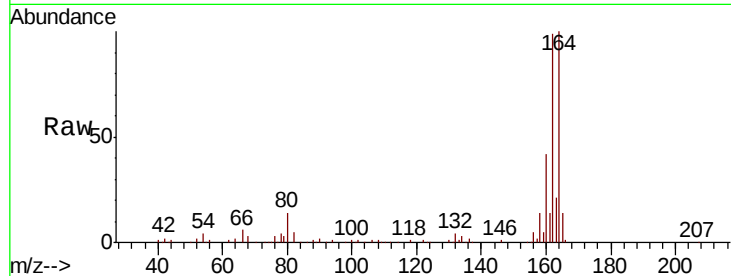
Tot Ion:165 Resp: 21773

Ion Ratio Lower Upper

165 100

63 0.0 30.6 45.8#

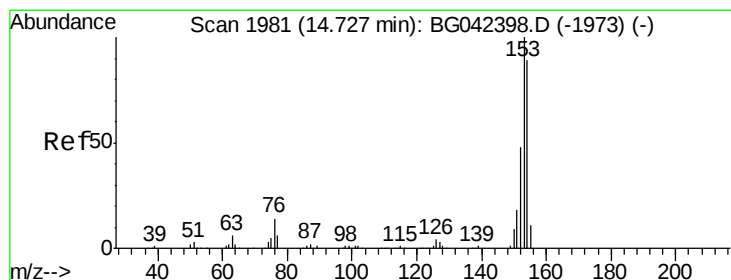
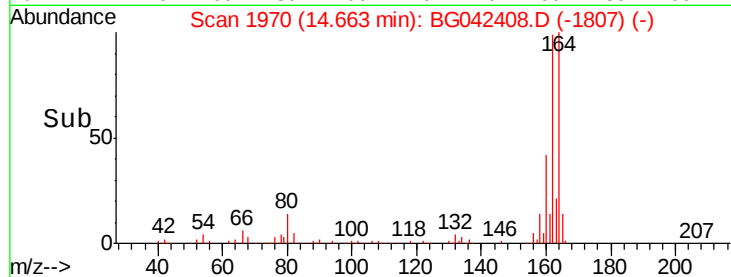
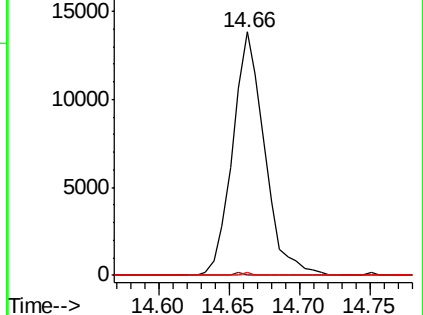
89 1.4 32.6 49.0#



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: 0.060 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.07 min

Lab File: BG042408.D

Acq: 22 Aug 2019 19:37

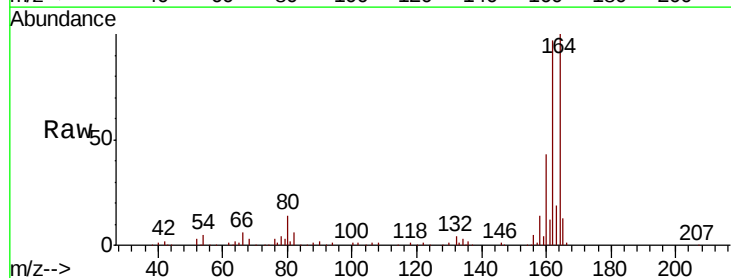
Tgt Ion:154 Resp: 512

Ion Ratio Lower Upper

154 100

153 0.0 90.2 135.4#

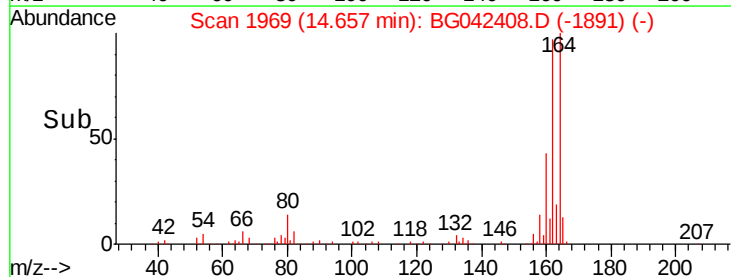
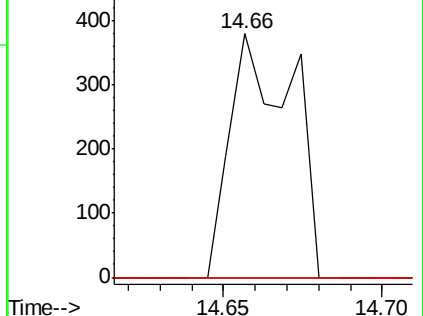
152 0.0 43.2 64.8#

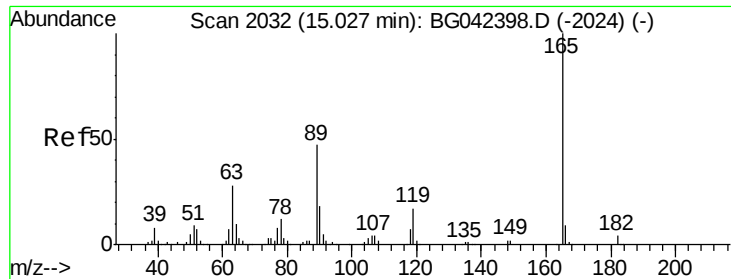


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

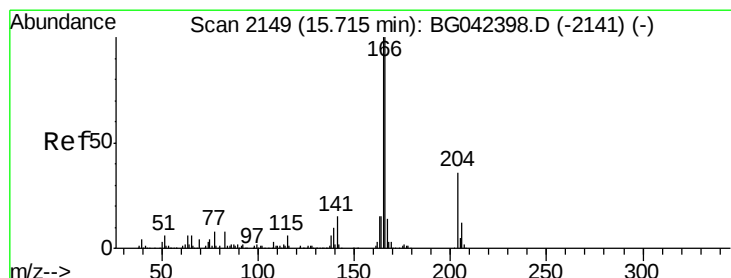
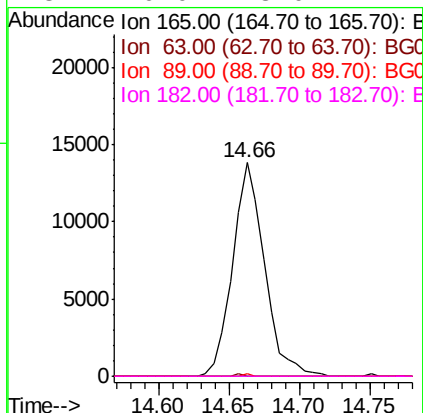
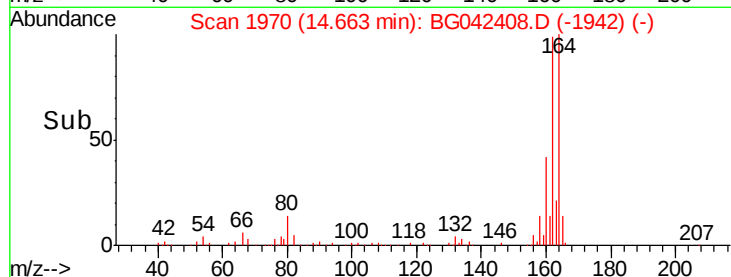
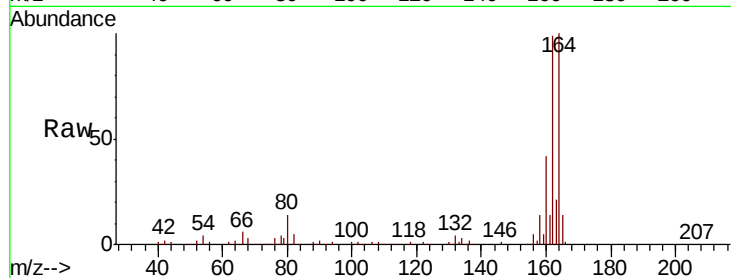




#57
 2,4-Dinitrotoluene
 Concen: 5.436 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.36 min
 Lab File: BG042408.D
 Acq: 22 Aug 2019 19:37

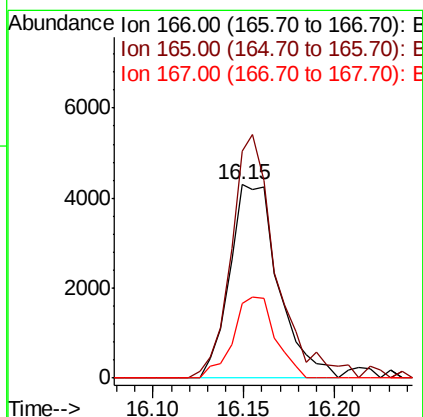
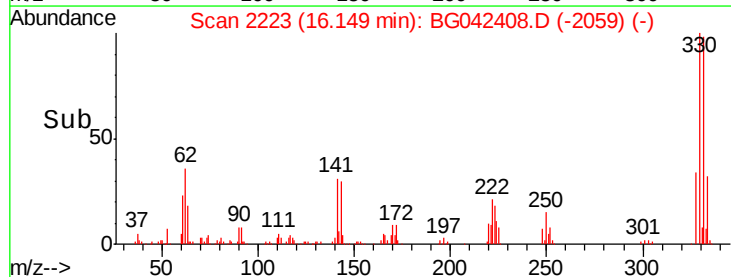
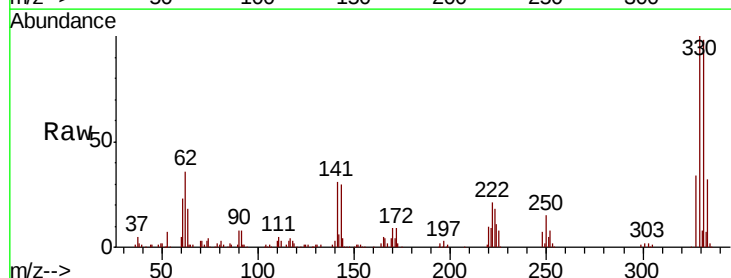
Instrument :
 BNA_G
 ClientSampleId :

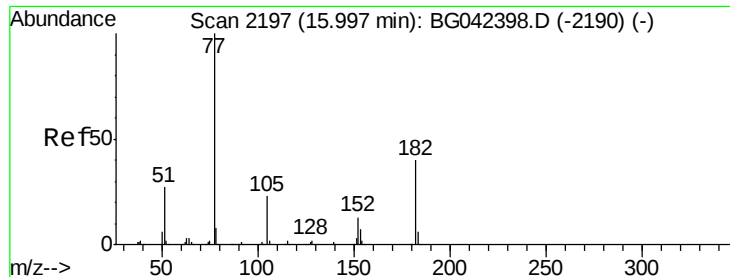
Tot Ion:165 Resp: 21773
 Ion Ratio Lower Upper
 165 100
 63 0.0 22.5 33.7#
 89 1.4 37.8 56.6#
 182 0.0 3.0 4.4#



#58
 Fluorene
 Concen: 0.697 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. 0.43 min
 Lab File: BG042408.D
 Acq: 22 Aug 2019 19:37

Tgt Ion:166 Resp: 8033
 Ion Ratio Lower Upper
 166 100
 165 117.6 79.7 119.5
 167 38.8 10.9 16.3#

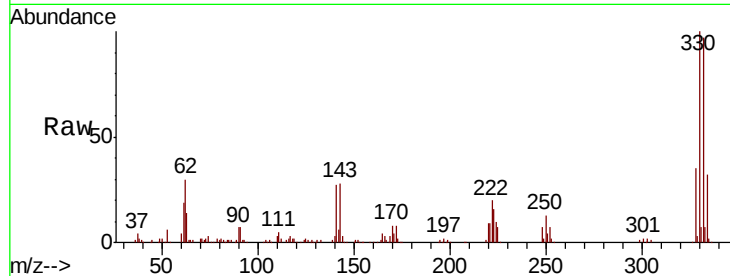




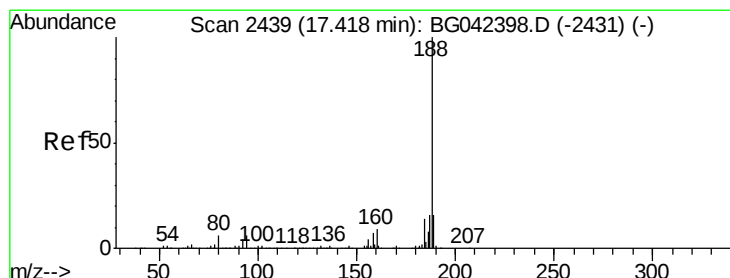
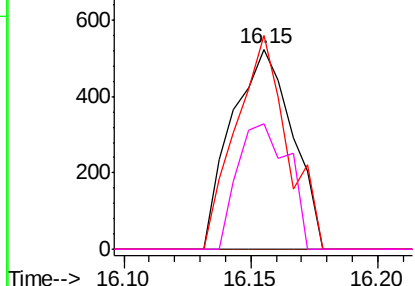
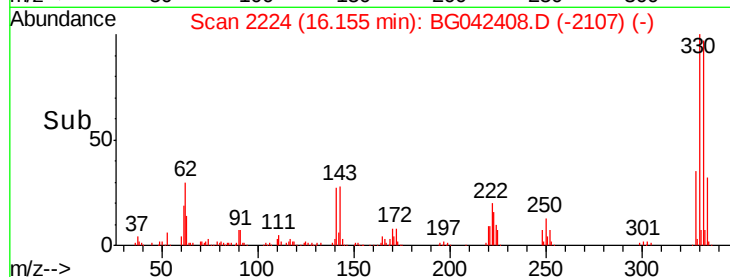
#63
Azobenzene
Concen: 0.109 ng
RT: 16.15 min Scan# 2224
Delta R.T. 0.16 min
Lab File: BG042408.D
Acq: 22 Aug 2019 19:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	77	Resp:	878
Ion	Ratio	Lower	Upper
77	100		
182	0.0	19.9	59.9#
105	106.9	2.9	42.9#
51	62.8	7.6	47.6#

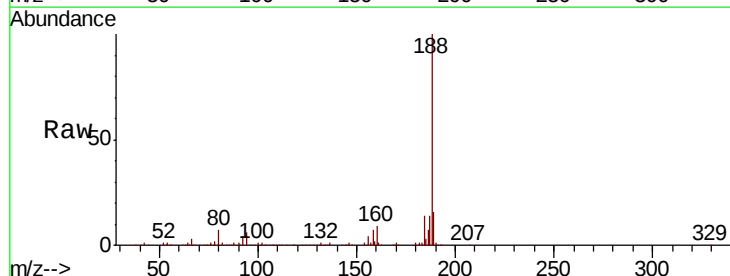


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BGC

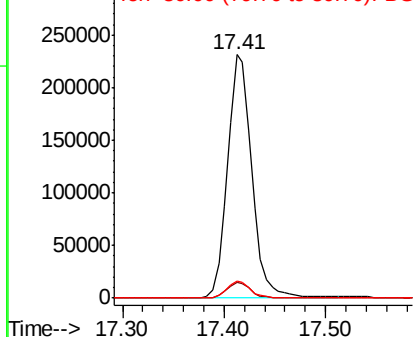
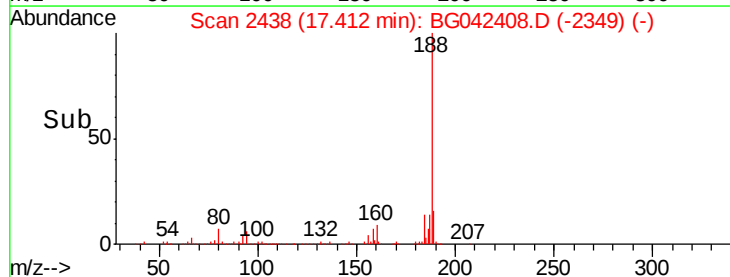


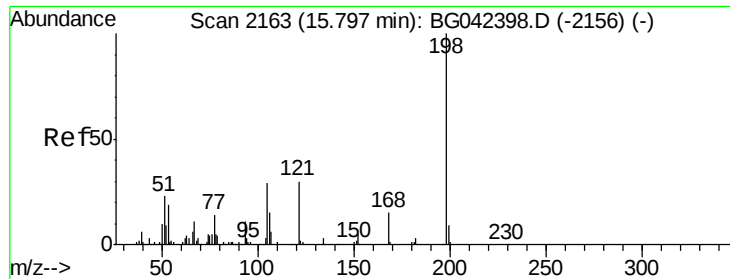
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2438
Delta R.T. -0.01 min
Lab File: BG042408.D
Acq: 22 Aug 2019 19:37

Tgt Ion:	188	Resp:	384809
Ion	Ratio	Lower	Upper
188	100		
94	6.3	4.5	6.7
80	6.8	4.9	7.3



Abundance Ion 188.00 (187.70 to 188.70): E
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: 0.199 ng

RT: 16.15 min Scan# 2224

Delta R.T. 0.36 min

Lab File: BG042408.D

Acq: 22 Aug 2019 19:37

Instrument :

BNA_G

ClientSampleId :

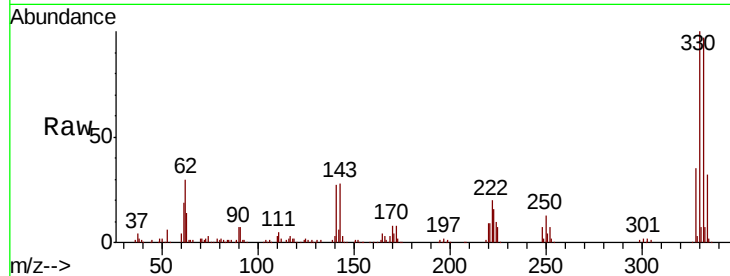
Tot Ion:198 Resp: 480

Ion Ratio Lower Upper

198 100

51 79.1 4.2 44.2#

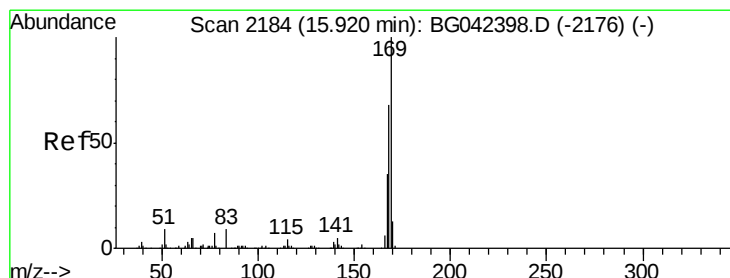
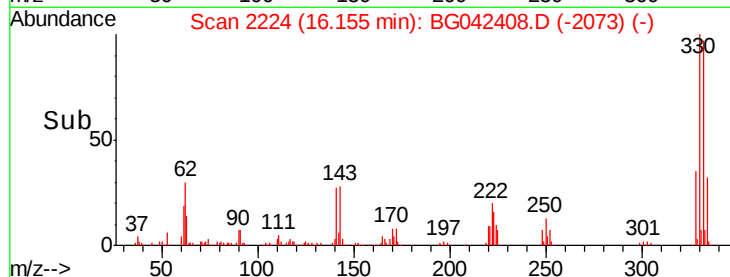
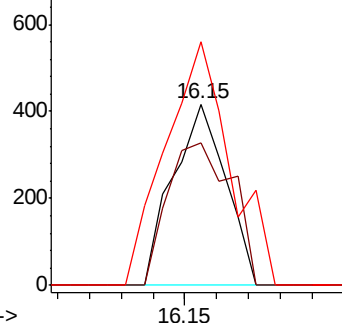
105 134.6 8.8 48.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 0.669 ng

RT: 16.15 min Scan# 2223

Delta R.T. 0.23 min

Lab File: BG042408.D

Acq: 22 Aug 2019 19:37

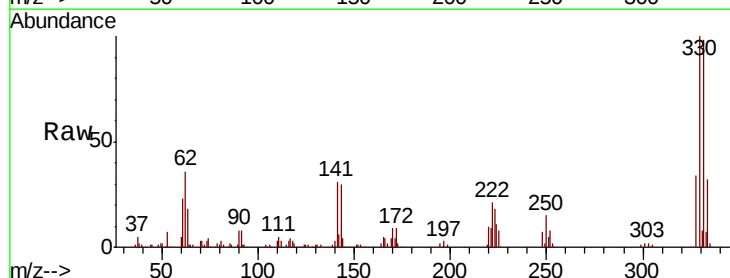
Tgt Ion:169 Resp: 7081

Ion Ratio Lower Upper

169 100

168 0.0 54.3 81.5#

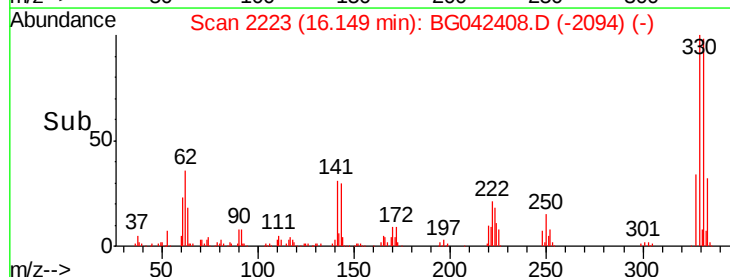
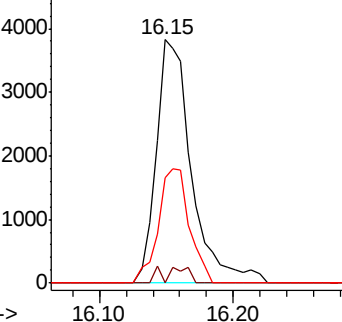
167 43.5 28.2 42.2#

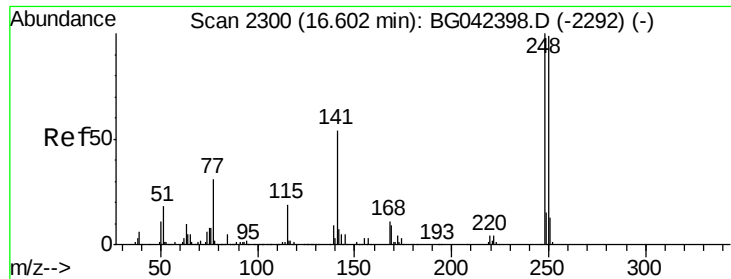


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

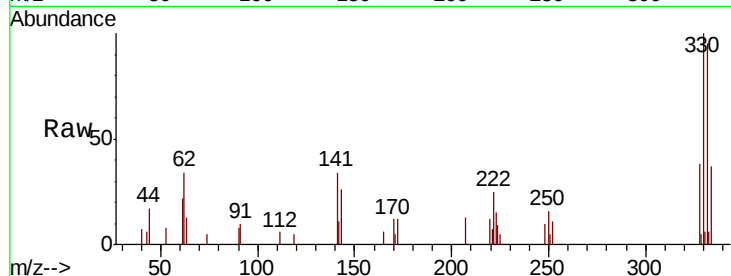




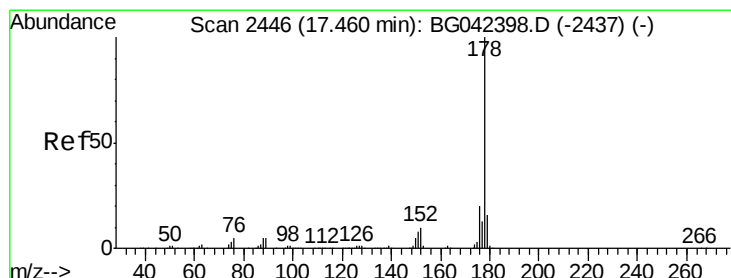
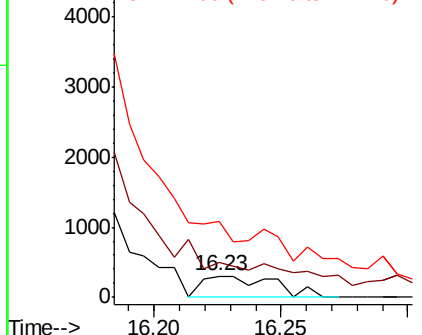
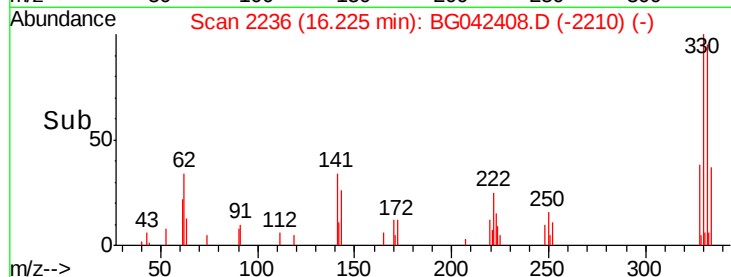
#67
 4-Bromophenyl-phenylether
 Concen: 0.125 ng
 RT: 16.23 min Scan# 2236
 Delta R.T. -0.38 min
 Lab File: BG042408.D
 Acq: 22 Aug 2019 19:37

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	164.1	78.9	118.3#
141	352.9	43.3	64.9#

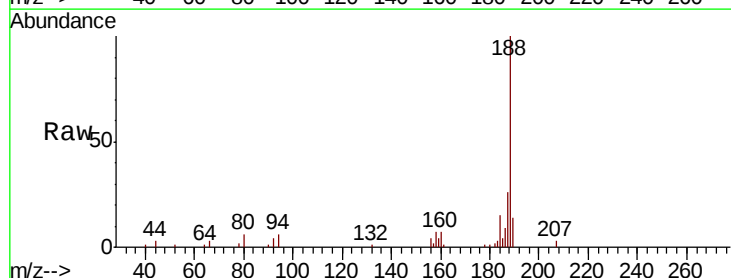


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

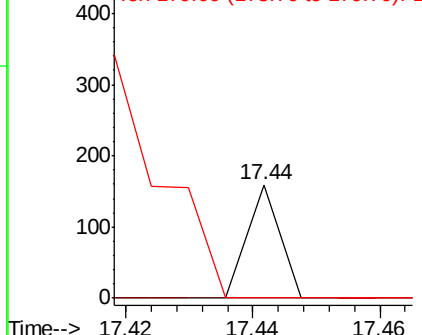
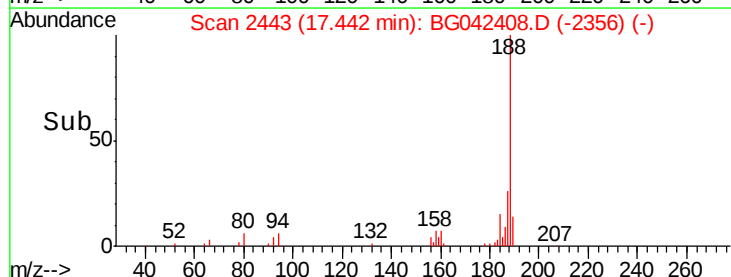


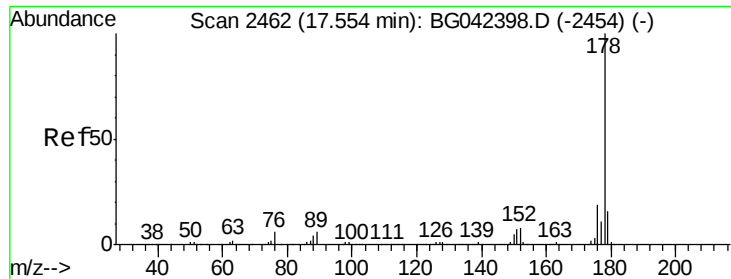
#71
 Phenanthrene
 Concen: 0.003 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.02 min
 Lab File: BG042408.D
 Acq: 22 Aug 2019 19:37

Tgt 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: 17.44 min Scan# 2443

Delta R.T. -0.11 min

Lab File: BG042408.D

Acq: 22 Aug 2019 19:37

Instrument :

BNA_G

ClientSampled :

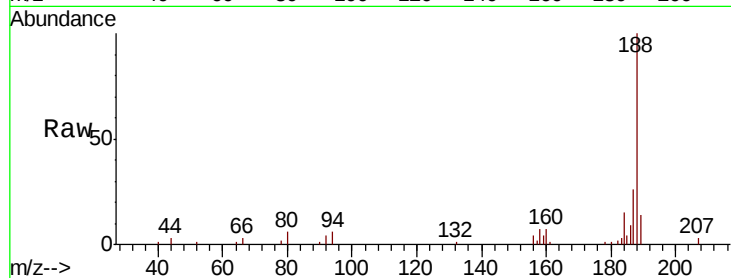
Tot Ion:178 Resp: 56

Ion Ratio Lower Upper

178 100

176 0.0 15.5 23.3#

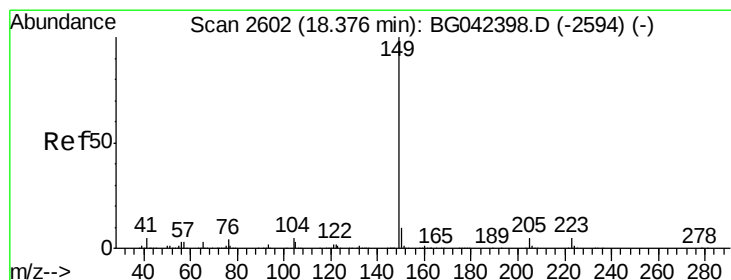
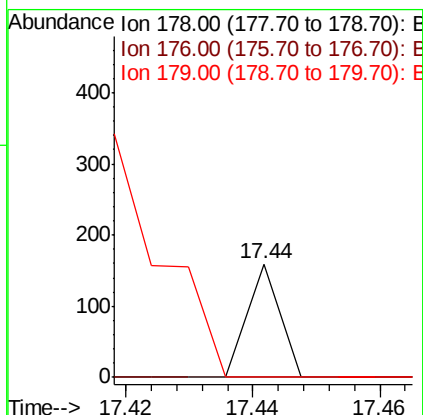
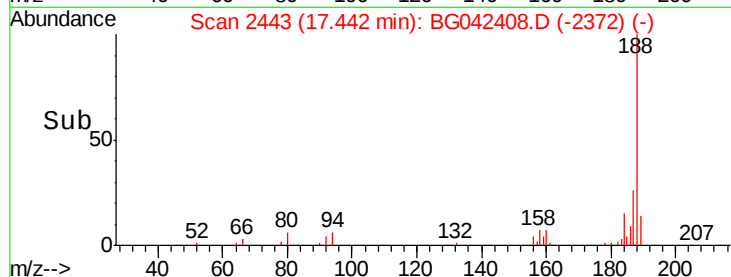
179 0.0 12.9 19.3#



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



#74

Di-n-butylphthalate

Concen: 0.020 ng

RT: 18.39 min Scan# 2605

Delta R.T. 0.02 min

Lab File: BG042408.D

Acq: 22 Aug 2019 19:37

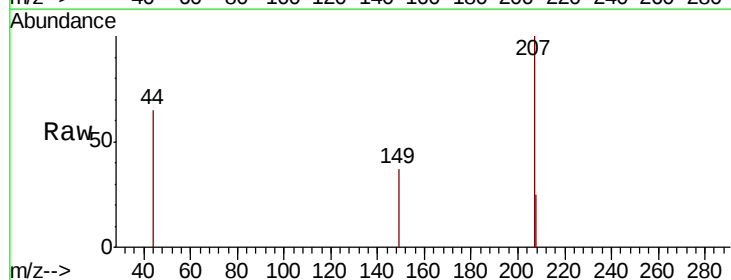
Tgt Ion:149 Resp: 402

Ion Ratio Lower Upper

149 100

150 0.0 8.1 12.1#

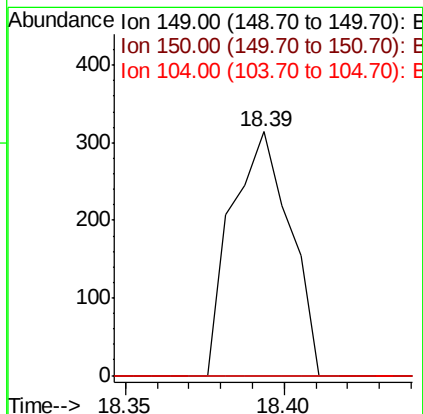
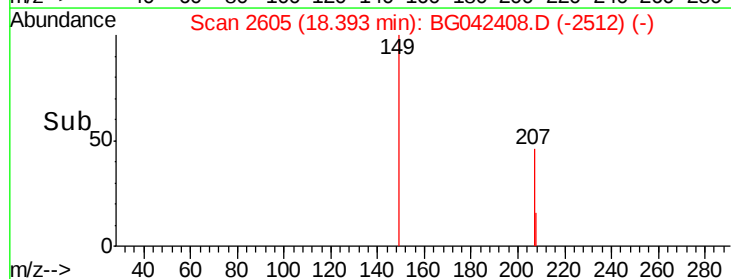
104 0.0 3.7 5.5#

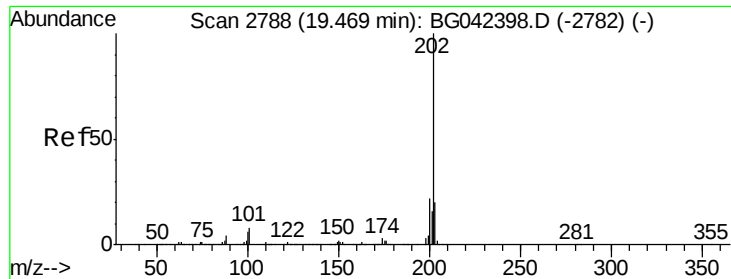


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 0.003 ng

RT: 19.84 min Scan# 2852

Delta R.T. 0.38 min

Lab File: BG042408.D

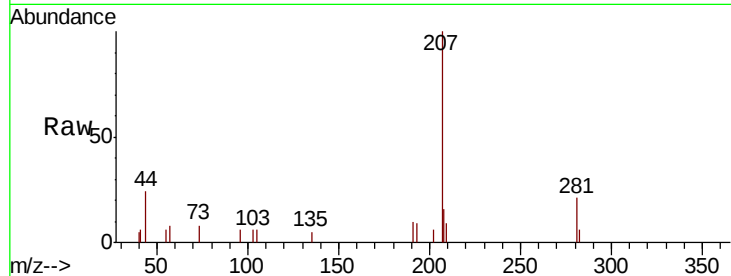
Acq: 22 Aug 2019 19:37

Instrument :

BNA_G

ClientSampled :

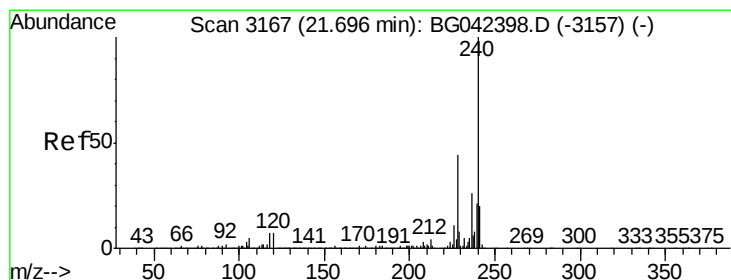
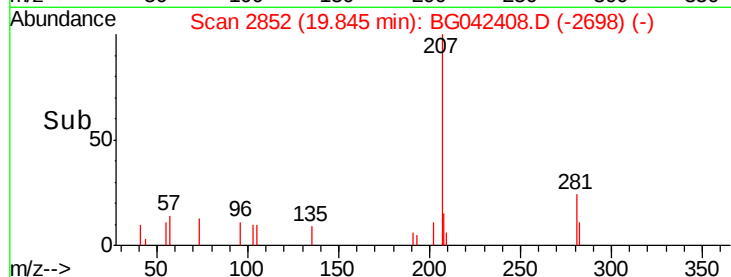
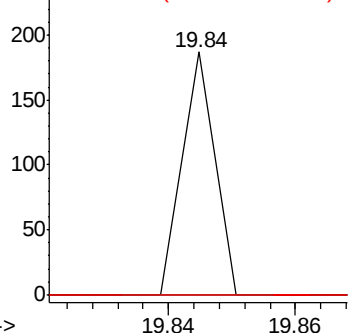
Tot Ion:	202	Resp:	66
Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	28.3
203	0.0	0.0	39.6



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

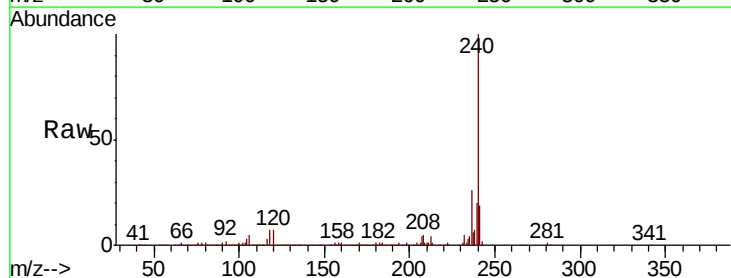
RT: 21.69 min Scan# 3166

Delta R.T. -0.01 min

Lab File: BG042408.D

Acq: 22 Aug 2019 19:37

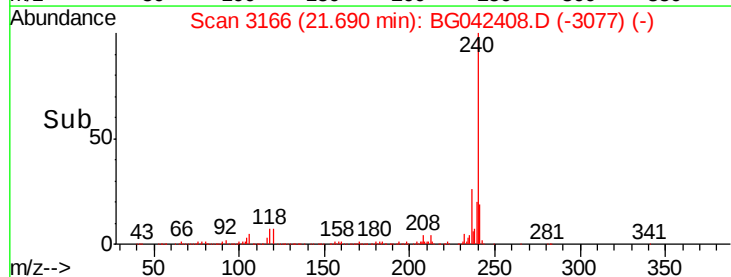
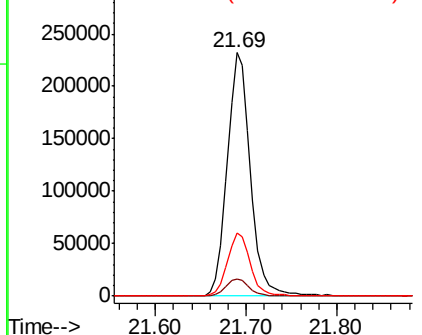
Tgt Ion:	240	Resp:	412235
Ion	Ratio	Lower	Upper
240	100		
120	7.2	5.7	8.5
236	25.8	21.0	31.4

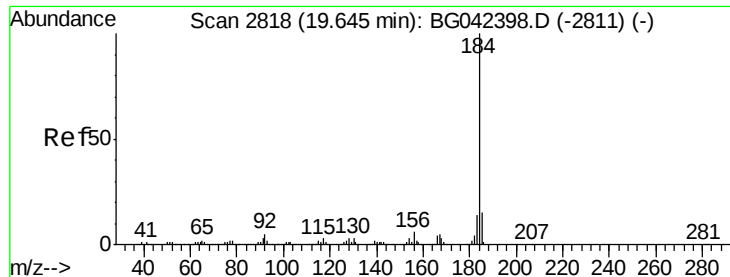


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 0.213 ng

RT: 19.69 min Scan# 2825

Delta R.T. 0.04 min

Lab File: BG042408.D

Acq: 22 Aug 2019 19:37

Instrument :

BNA_G

ClientSampleId :

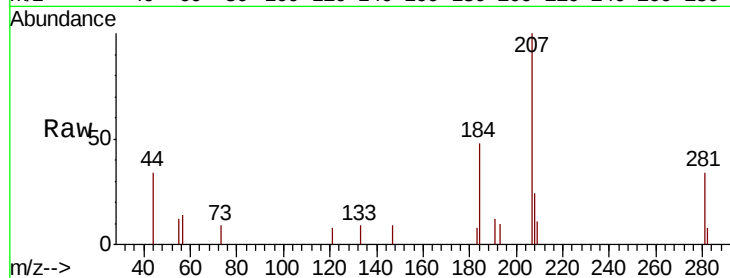
Tot Ion:184 Resp: 2516

Ion Ratio Lower Upper

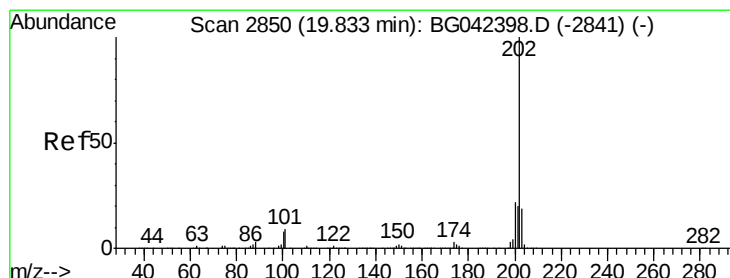
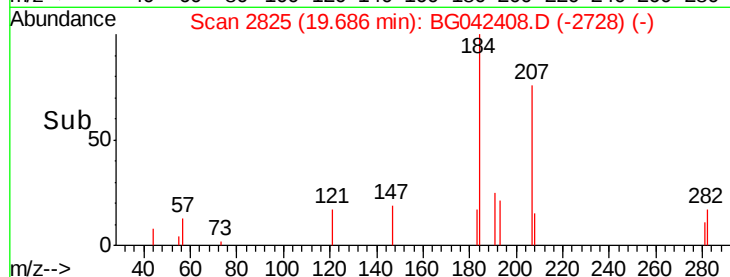
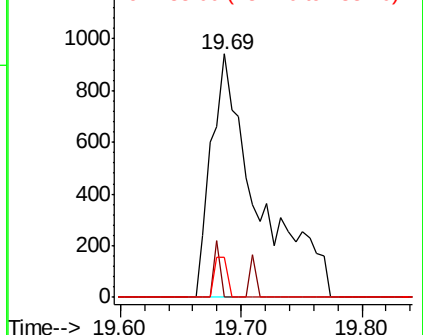
184 100

185 0.0 12.2 18.4#

183 16.7 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: 0.198 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.19 min

Lab File: BG042408.D

Acq: 22 Aug 2019 19:37

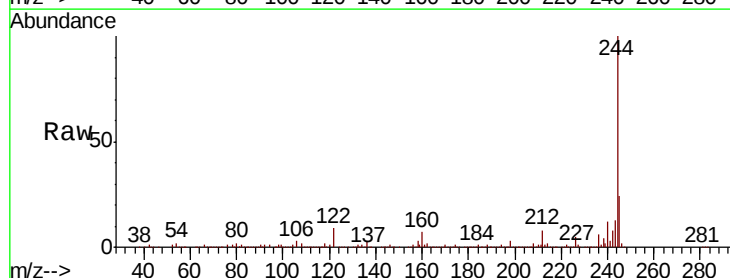
Tgt Ion:202 Resp: 5000

Ion Ratio Lower Upper

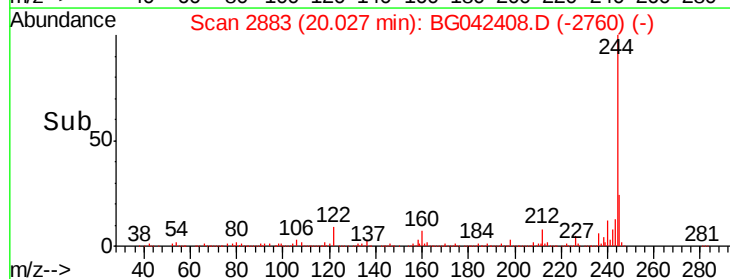
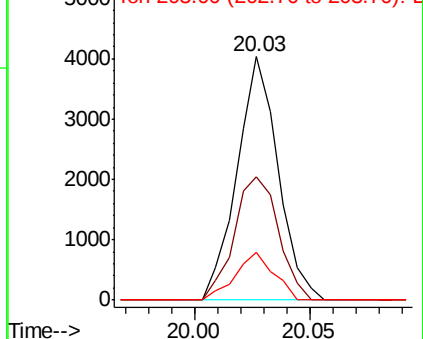
202 100

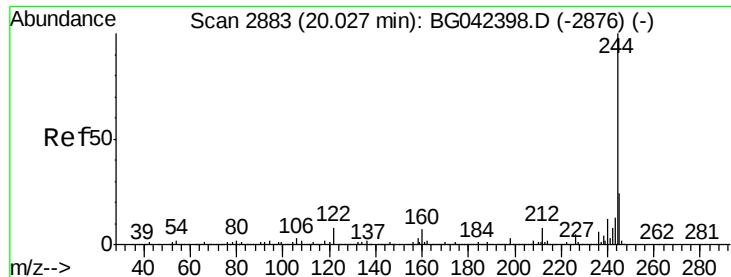
200 50.6 17.8 26.6#

203 19.7 15.5 23.3



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 77.009 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.00 min

Lab File: BG042408.D

Acq: 22 Aug 2019 19:37

Instrument :

BNA_G

ClientSampled :

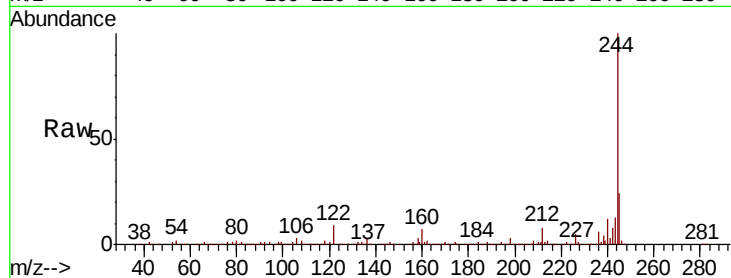
Tot Ion:244 Resp: 1468405

Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

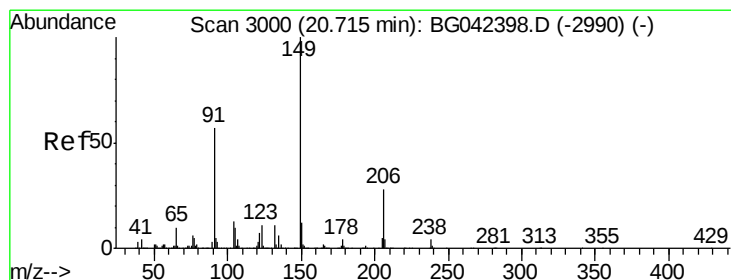
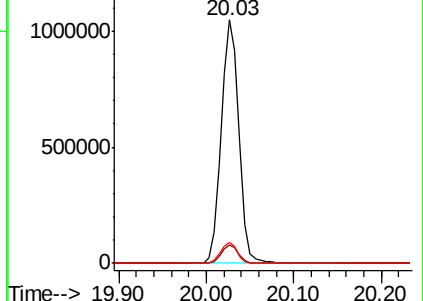
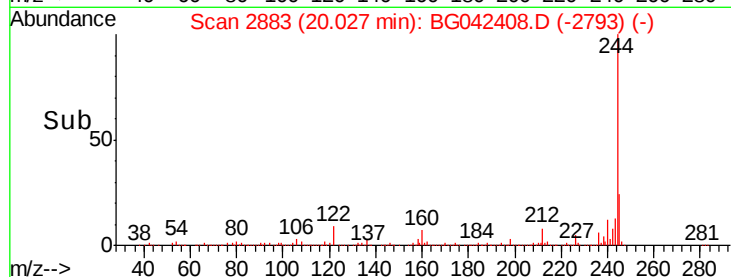
122 8.7 6.7 10.1



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: 0.025 ng

RT: 20.72 min Scan# 3001

Delta R.T. 0.01 min

Lab File: BG042408.D

Acq: 22 Aug 2019 19:37

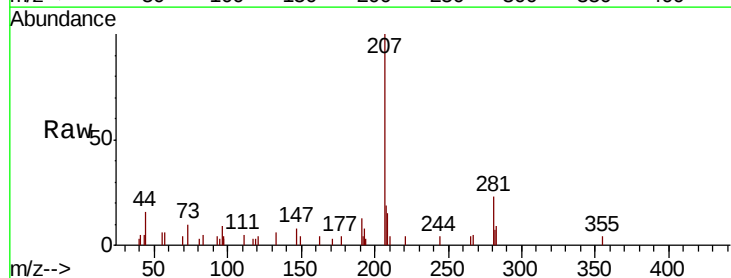
Tgt Ion:149 Resp: 248

Ion Ratio Lower Upper

149 100

91 0.0 45.9 68.9#

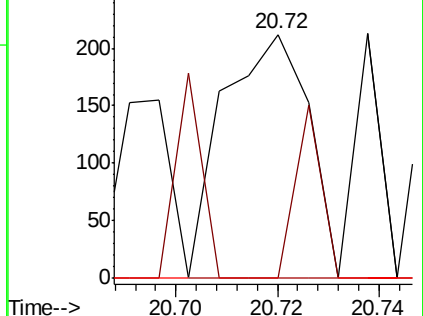
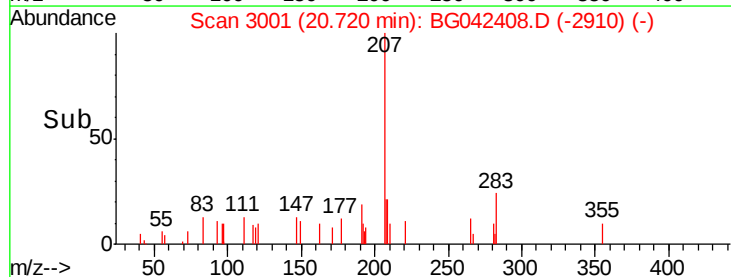
206 0.0 22.5 33.7#

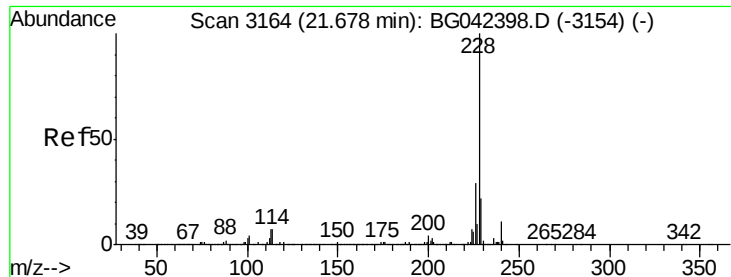


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 0.053 ng

RT: 21.70 min Scan# 3167

Delta R.T. 0.02 min

Lab File: BG042408.D

Acq: 22 Aug 2019 19:37

Instrument :

BNA_G

ClientSampleId :

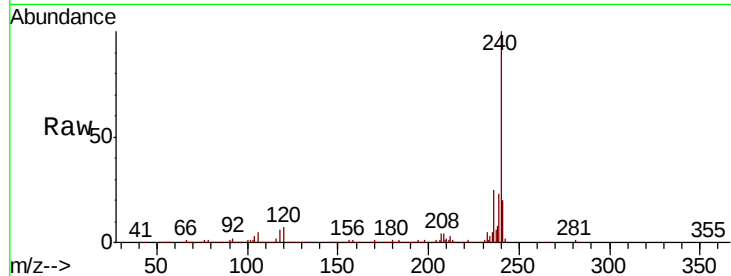
Tot Ion:228 Resp: 1325

Ion Ratio Lower Upper

228 100

226 0.0 23.4 35.2#

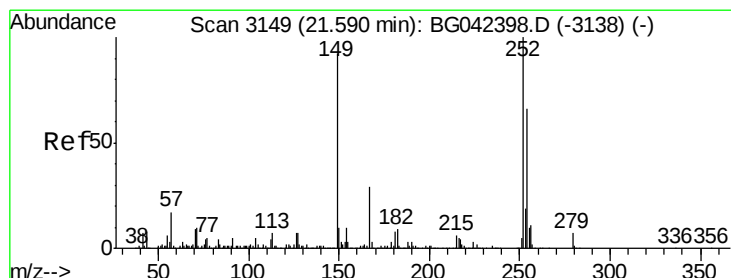
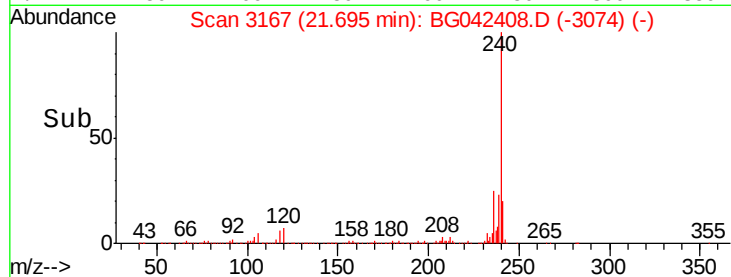
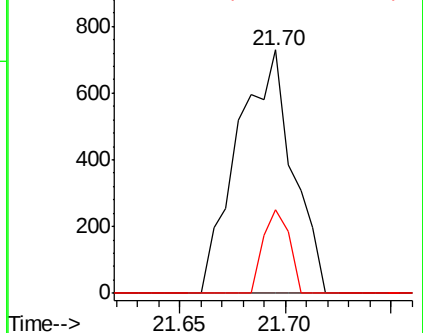
229 34.6 17.4 26.2#



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: 21.65 min Scan# 3160

Delta R.T. 0.06 min

Lab File: BG042408.D

Acq: 22 Aug 2019 19:37

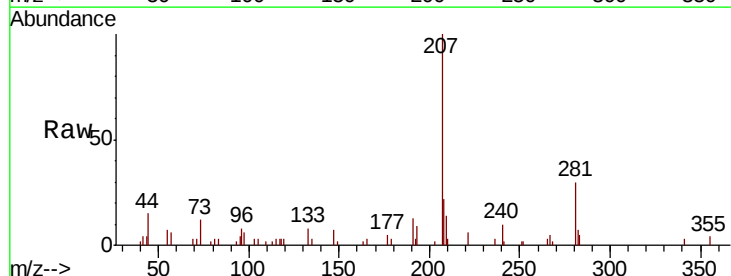
Tgt Ion:252 Resp: 56

Ion Ratio Lower Upper

252 100

254 0.0 53.0 79.4#

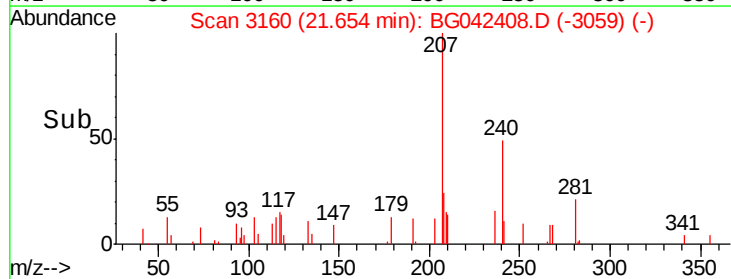
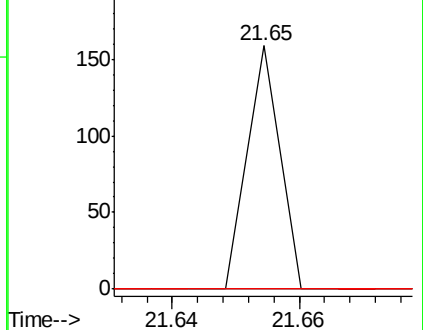
126 0.0 5.7 8.5#

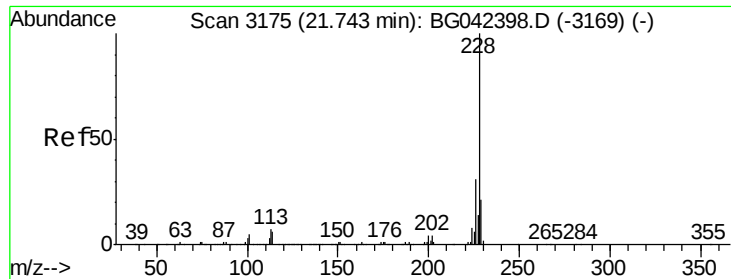


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 0.055 ng

RT: 21.70 min Scan# 3167

Delta R.T. -0.05 min

Lab File: BG042408.D

Acq: 22 Aug 2019 19:37

Instrument :

BNA_G

ClientSampleId :

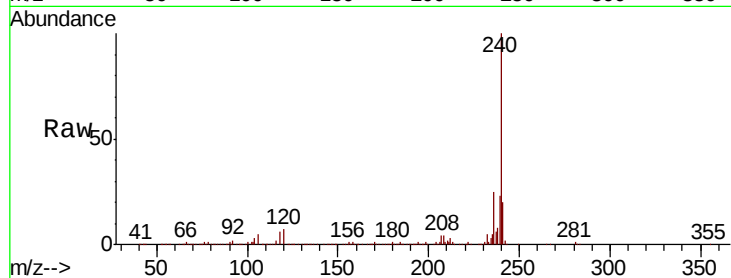
Tot Ion:228 Resp: 1325

Ion Ratio Lower Upper

228 100

226 0.0 24.9 37.3#

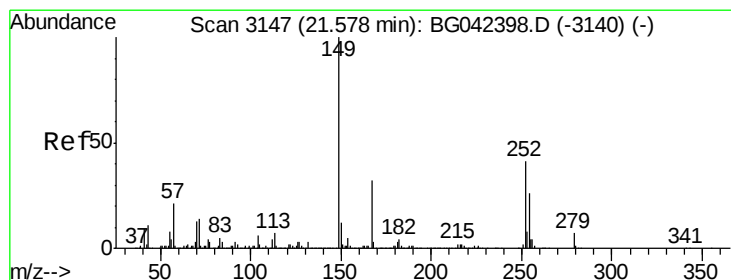
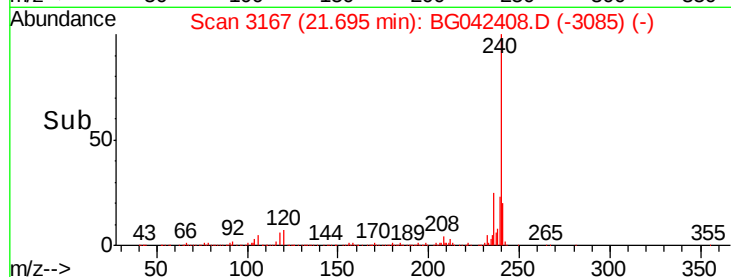
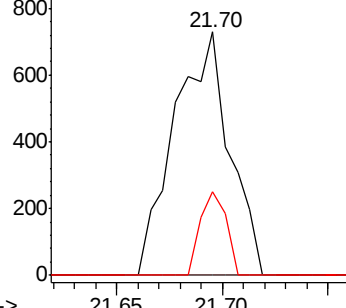
229 34.6 16.9 25.3#



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: 0.087 ng

RT: 21.58 min Scan# 3147

Delta R.T. -0.00 min

Lab File: BG042408.D

Acq: 22 Aug 2019 19:37

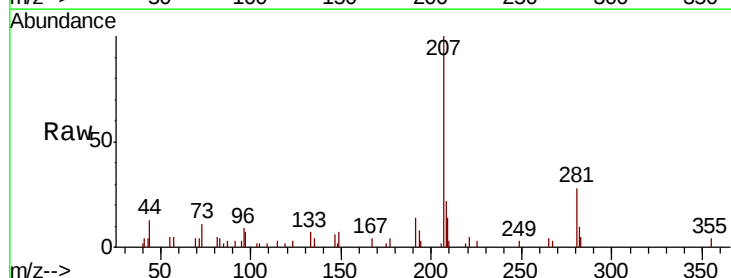
Tgt Ion:149 Resp: 1195

Ion Ratio Lower Upper

149 100

167 56.8 26.0 39.0#

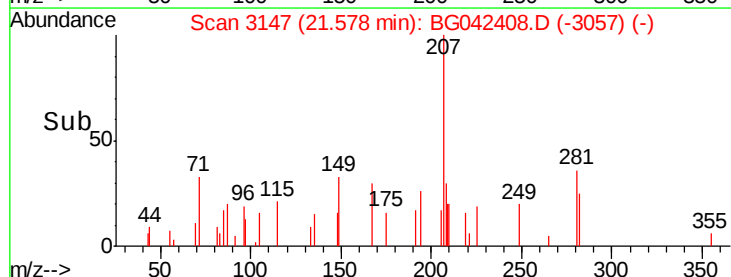
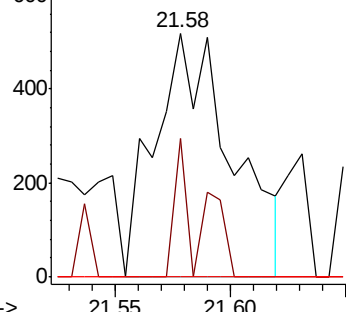
279 0.0 5.4 8.0#

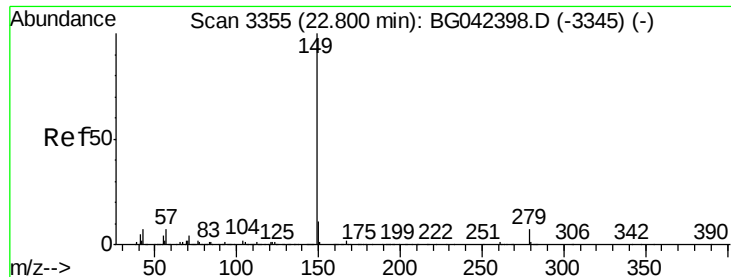


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 0.016 ng

RT: 22.79 min Scan# 3353

Delta R.T. -0.01 min

Lab File: BG042408.D

Acq: 22 Aug 2019 19:37

Instrument :

BNA_G

ClientSampled :

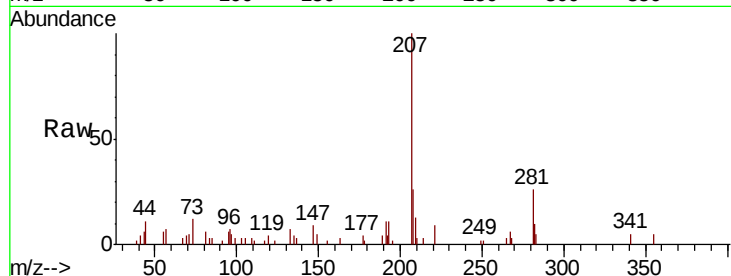
Tot Ion:149 Resp: 373

Ion Ratio Lower Upper

149 100

167 0.0 1.6 2.4#

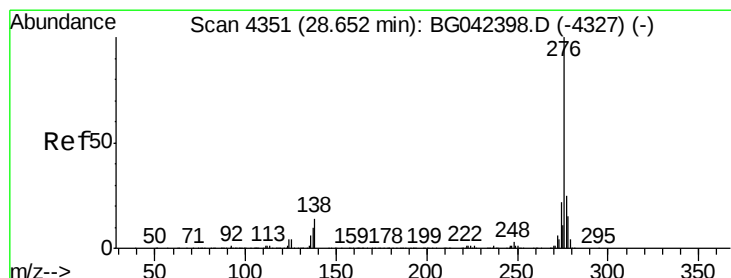
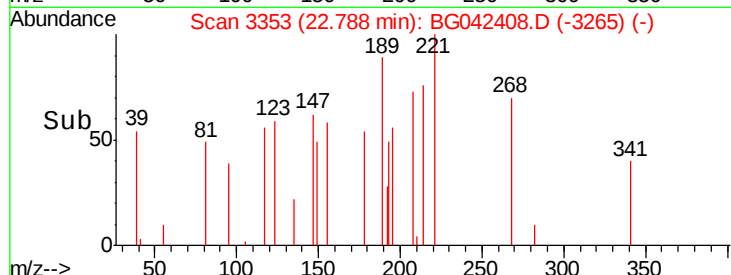
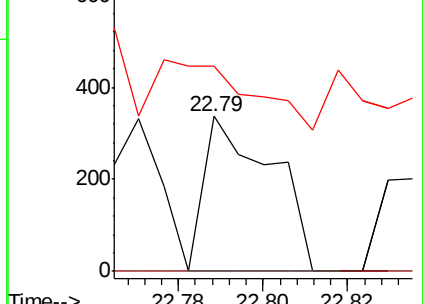
43 0.0 5.3 7.9#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#86

Indeno(1,2,3-cd)pyrene

Concen: 0.002 ng

RT: 28.67 min Scan# 4354

Delta R.T. 0.02 min

Lab File: BG042408.D

Acq: 22 Aug 2019 19:37

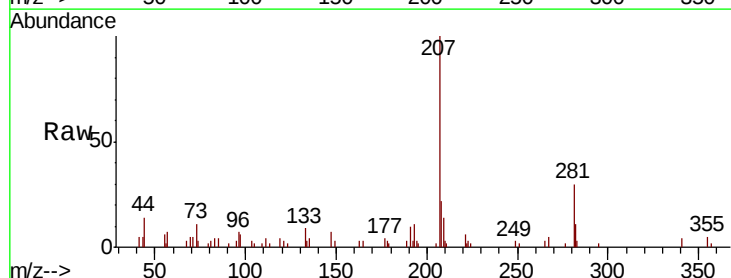
Tgt Ion:276 Resp: 62

Ion Ratio Lower Upper

276 100

138 0.0 9.2 13.8#

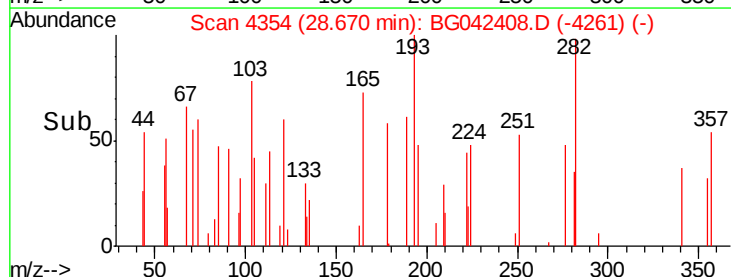
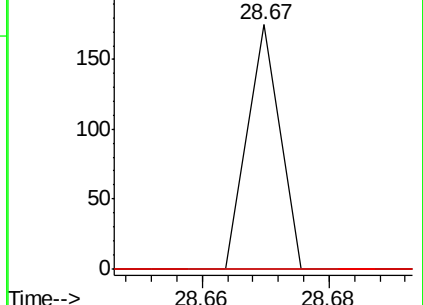
277 0.0 21.0 31.6#

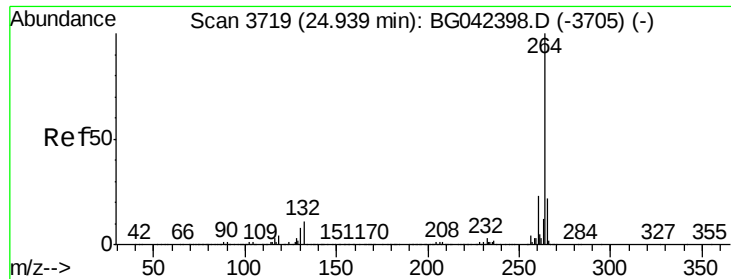


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

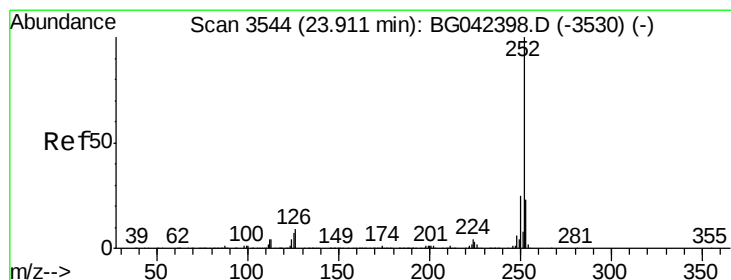
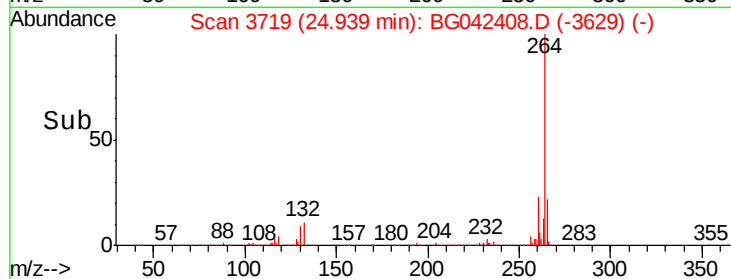
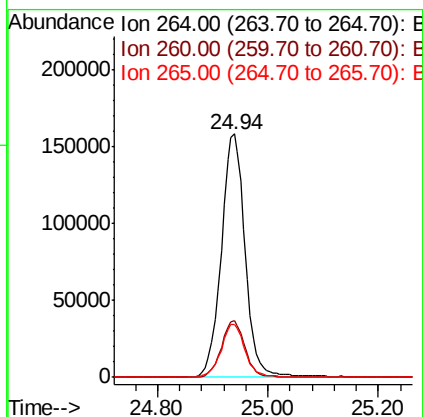
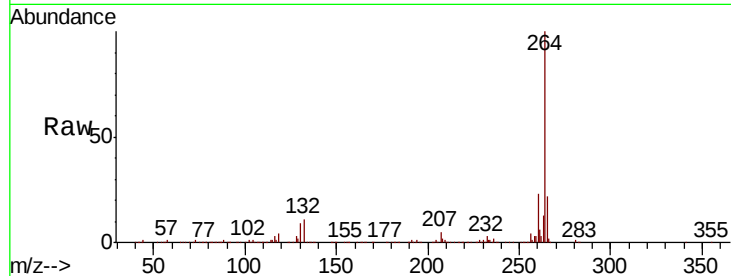




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.94 min Scan# 3719
 Delta R.T. -0.00 min
 Lab File: BG042408.D
 Acq: 22 Aug 2019 19:37

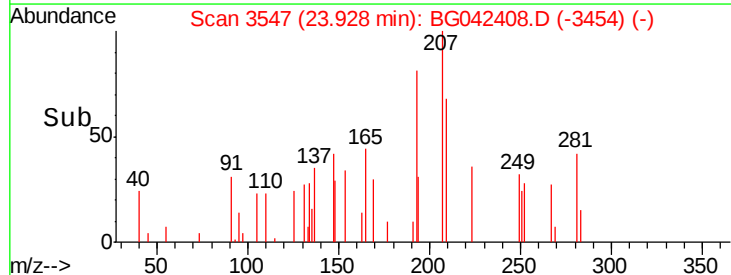
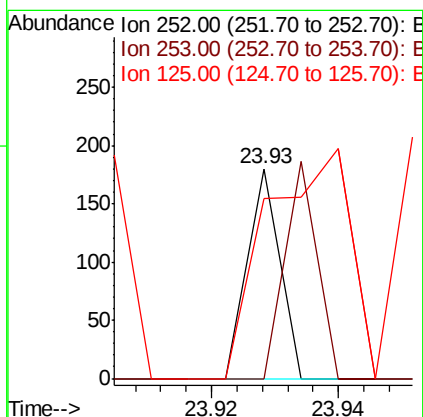
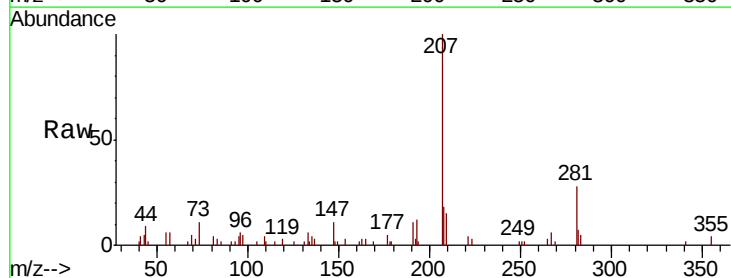
Instrument :
 BNA_G
 ClientSampleId :

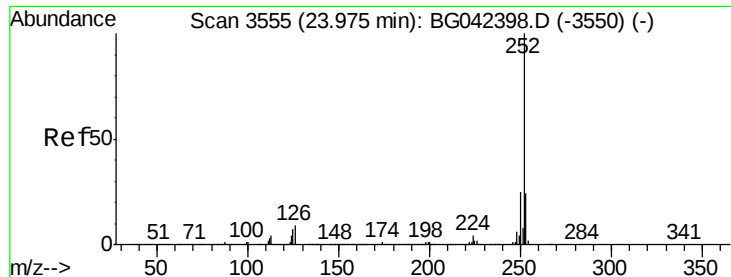
Tot Ion:264 Resp: 477041
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.5 27.7
 265 21.9 17.6 26.4



#88
 Benzo(b)fluoranthene
 Concen: 0.002 ng
 RT: 23.93 min Scan# 3547
 Delta R.T. 0.02 min
 Lab File: BG042408.D
 Acq: 22 Aug 2019 19:37

Tgt Ion:252 Resp: 63
 Ion Ratio Lower Upper
 252 100
 253 0.0 18.6 27.8#
 125 85.6 5.6 8.4#





#89

Benzo(k)fluoranthene

Concen: 0.003 ng

RT: 24.02 min Scan# 3562

Delta R.T. 0.04 min

Lab File: BG042408.D

Acq: 22 Aug 2019 19:37

Instrument :

BNA_G

ClientSampled :

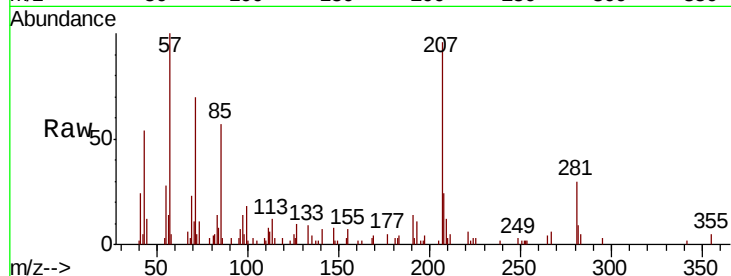
Tot Ion:252 Resp: 66

Ion Ratio Lower Upper

252 100

253 180.3 18.6 27.8#

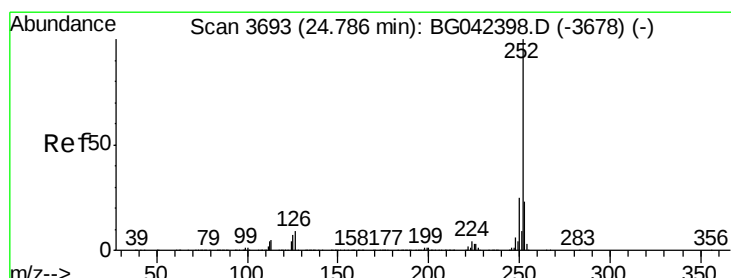
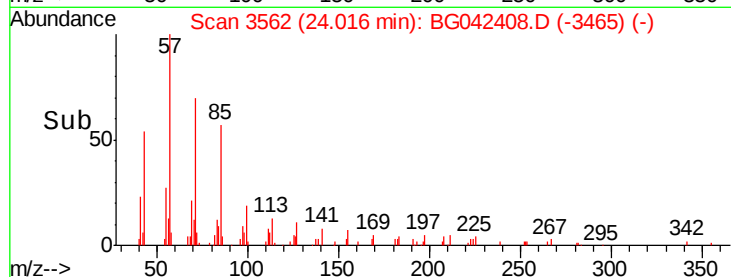
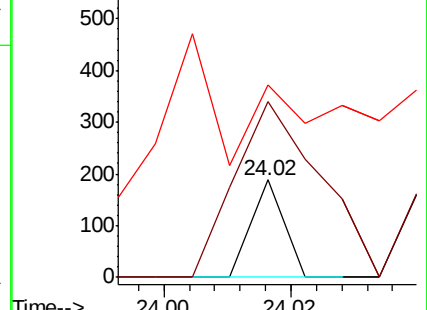
125 197.9 5.8 8.6#



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: 0.003 ng

RT: 24.83 min Scan# 3701

Delta R.T. 0.05 min

Lab File: BG042408.D

Acq: 22 Aug 2019 19:37

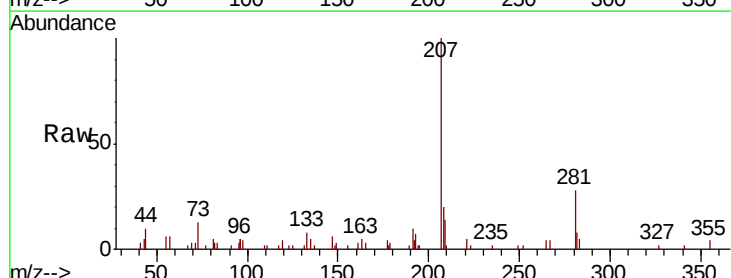
Tgt Ion:252 Resp: 64

Ion Ratio Lower Upper

252 100

253 0.0 18.4 27.6#

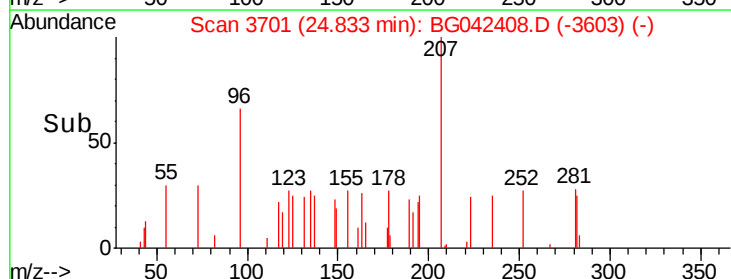
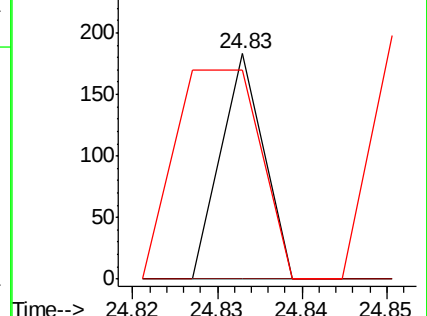
125 92.9 6.0 9.0#

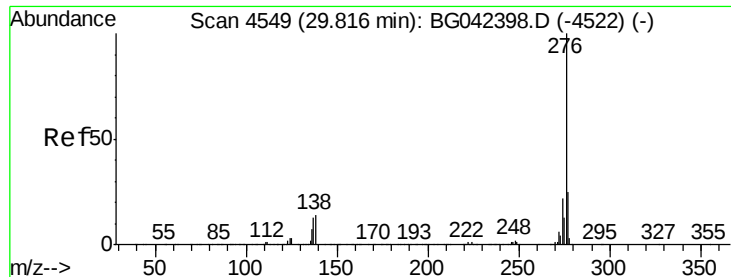


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

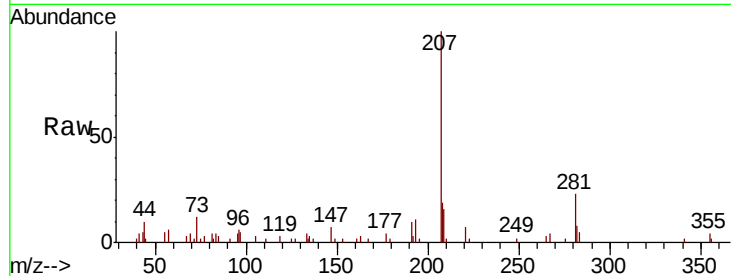




#92
 Benzo(a,h,i)perylene
 Concen: 0.003 ng
 RT: 29.79 min Scan# 4544
 Delta R.T. -0.03 min
 Lab File: BG042408.D
 Acq: 22 Aug 2019 19:37

Instrument :
 BNA_G
 ClientSampleId :

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



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

