

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082219\
 Data File : BG042407.D
 Acq On : 22 Aug 2019 18:58
 Operator : HP/JU
 Sample : PB122408BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 23 02:34:52 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	53806	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	212580	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	157316	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	364674	20.00	ng	0.00
76) Chrysene-d12	21.69	240	392226	20.00	ng	0.00
87) Perylene-d12	24.94	264	451031	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	334509	125.91	ng	0.00
7) Phenol-d6	7.17	99	439680	122.52	ng	0.00
23) Nitrobenzene-d5	9.17	82	253466	82.39	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	252558	112.95	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	820454	88.21	ng	0.00
79) Terphenyl-d14	20.03	244	1482038	81.69	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.41	88	72	0.065	ng	# 1
3) Pyridine	3.37	79	55	0.019	ng	# 1
4) n-Nitrosodimethylamine	3.75	42	182	0.179	ng	# 1
6) Aniline	7.53	93	396	0.083	ng	# 1
9) Benzaldehyde	7.16	77	742	0.413	ng	# 1
10) Phenol	7.54	94	801	0.220	ng	# 1
11) bis(2-Chloroethyl)ether	7.53	93	396	0.138	ng	# 1
15) Benzyl Alcohol	8.32	79	3979	1.541	ng	# 44
19) n-Nitroso-di-n-propylamine	9.17	70	32492	13.976	ng	# 78
24) Nitrobenzene	9.17	77	752	0.241	ng	# 32
25) Isophorone	9.58	82	181	0.030	ng	# 59
46) 1,1'-Biphenyl	13.50	154	1100	0.108	ng	# 93
48) 2-Nitroaniline	13.28	65	929	0.439	ng	# 1
51) 2,6-Dinitrotoluene	14.66	165	19896	7.562	ng	# 37
52) Acenaphthene	14.67	154	324	0.040	ng	# 4
57) 2,4-Dinitrotoluene	14.66	165	19896	5.281	ng	# 40
58) Fluorene	16.15	166	9217	0.850	ng	# 80
62) 4-Nitroaniline	15.72	138	56	0.020	ng	# 23
63) Azobenzene	16.15	77	700	0.092	ng	# 20
65) 4,6-Dinitro-2-methylphenol	16.15	198	552	0.241	ng	# 1
66) n-Nitrosodiphenylamine	16.15	169	7204	0.718	ng	# 48
67) 4-Bromophenyl-phenylether	16.15	248	17316	3.743	ng	# 1
71) Phenanthrene	17.42	178	132	0.007	ng	# 1
72) Anthracene	17.42	178	132	0.007	ng	# 1
74) Di-n-butylphthalate	18.39	149	340	0.018	ng	# 77
75) Fluoranthene	19.48	202	252	0.011	ng	# 63
77) Benzidine	19.69	184	3596	0.320	ng	# 96
78) Pyrene	19.83	202	588	0.024	ng	# 55
80) Butylbenzylphthalate	20.70	149	515	0.054	ng	# 30
81) Benzo(a)anthracene	21.70	228	1343	0.056	ng	# 51
82) 3,3'-Dichlorobenzidine	21.62	252	183	0.019	ng	# 23
83) Chrysene	21.72	228	109	0.005	ng	# 48
84) Bis(2-ethylhexyl)phthalate	21.58	149	1619	0.123	ng	# 77
85) Di-n-octyl phthalate	22.83	149	222	0.010	ng	# 84

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QLast Update : Thu Aug 22 14:29:15 2019
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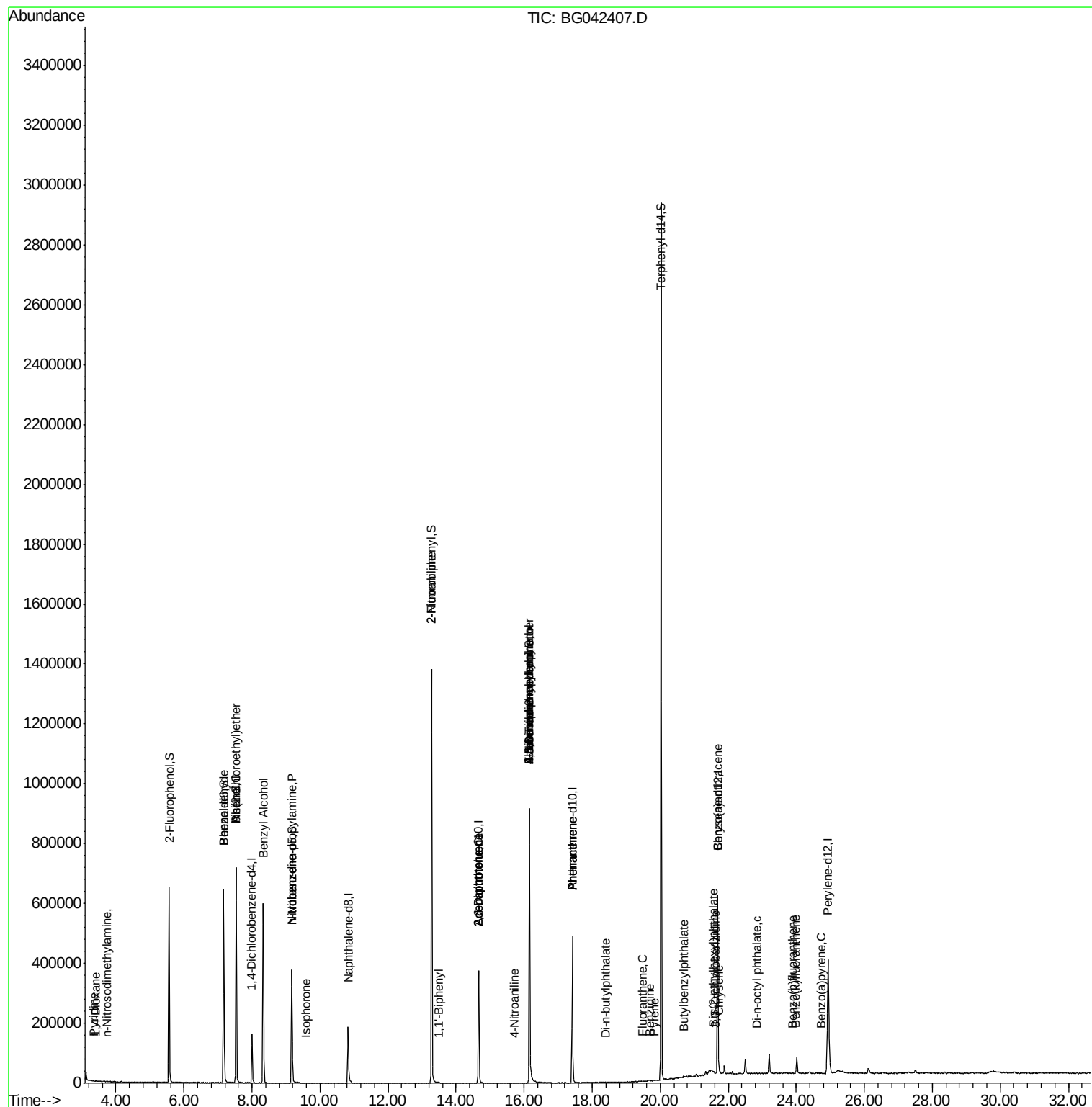
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo(b)fluoranthene	23.91	252	144	0.006	ng	# 59
89) Benzo(k)fluoranthene	23.97	252	53	0.002	ng	# 1
90) Benzo(a)pyrene	24.74	252	56	0.002	ng	# 59

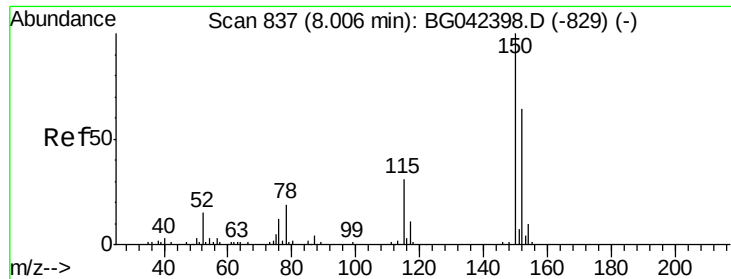
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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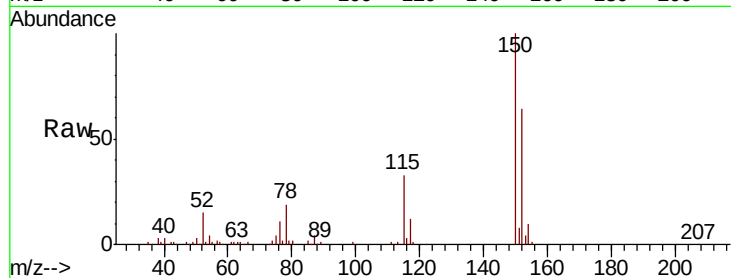


#1

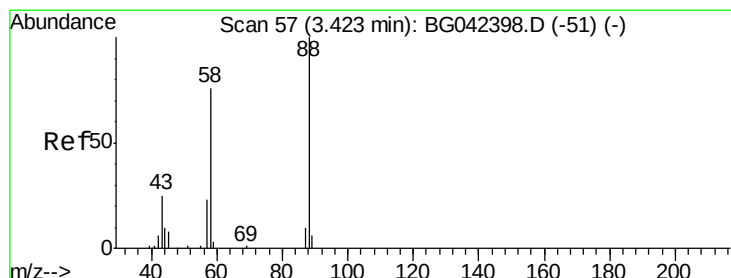
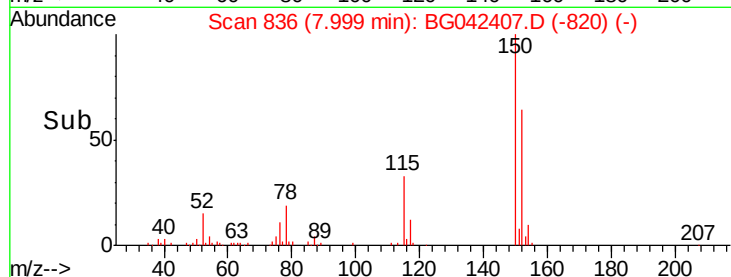
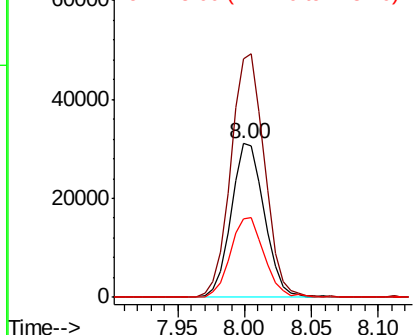
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG042407.D
Acq: 22 Aug 2019 18:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 53806
Ion Ratio Lower Upper
152 100
150 155.4 125.4 188.0
115 51.4 38.5 57.7



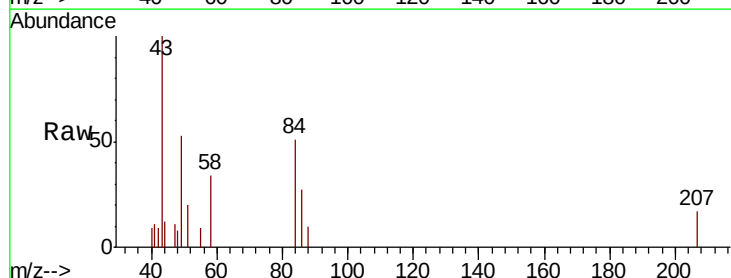
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



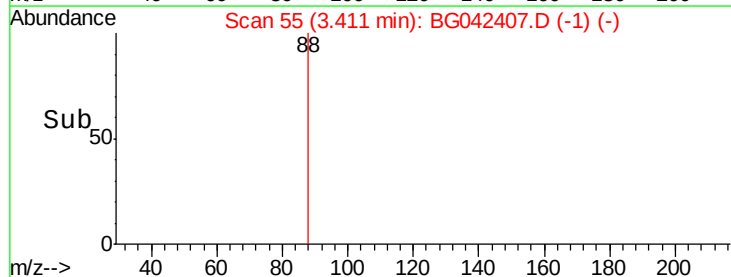
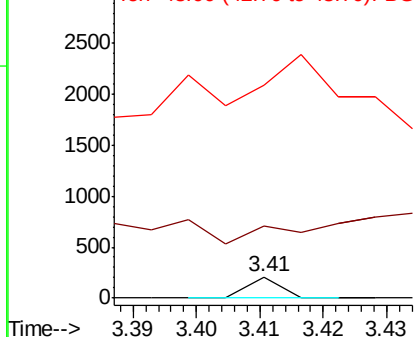
#2

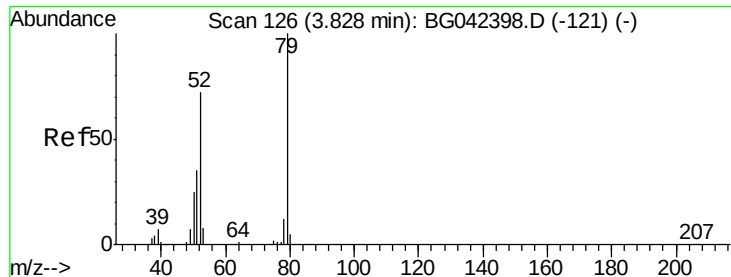
1,4-Dioxane
Concen: 0.065 ng
RT: 3.41 min Scan# 55
Delta R.T. -0.01 min
Lab File: BG042407.D
Acq: 22 Aug 2019 18:58

Tgt Ion: 88 Resp: 72
Ion Ratio Lower Upper
88 100
58 0.0 58.3 87.5#
43 1330.6 20.2 30.2#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 0.019 ng

RT: 3.37 min Scan# 48

Delta R.T. -0.46 min

Lab File: BG042407.D

Acq: 22 Aug 2019 18:58

Instrument :

BNA_G

ClientSampleId :

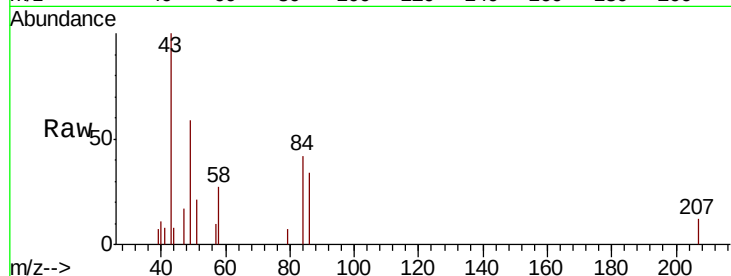
Tot Ion: 79 Resp: 55

Ion Ratio Lower Upper

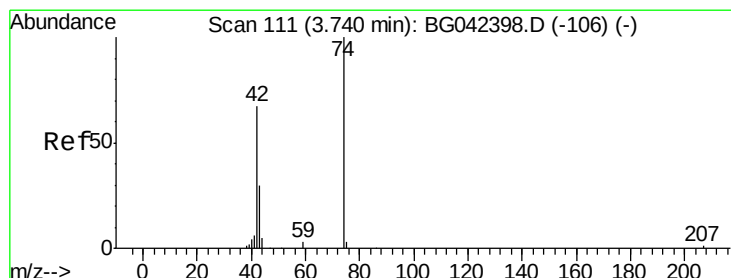
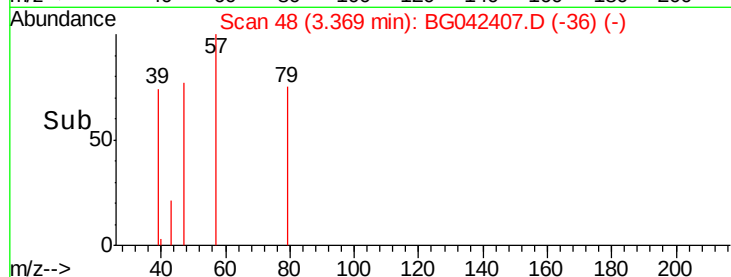
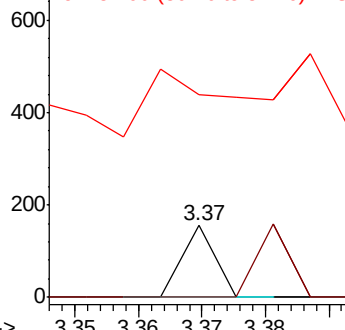
79 100

52 0.0 57.7 86.5#

51 283.9 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: 0.179 ng

RT: 3.75 min Scan# 112

Delta R.T. 0.01 min

Lab File: BG042407.D

Acq: 22 Aug 2019 18:58

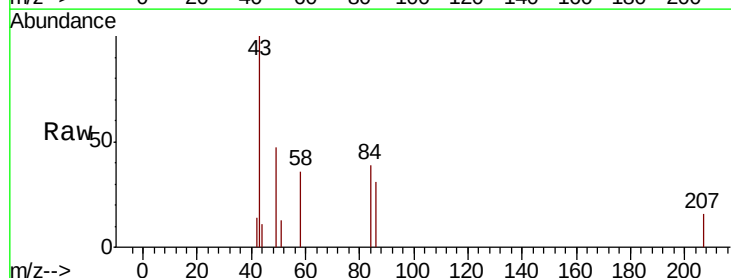
Tgt Ion: 42 Resp: 182

Ion Ratio Lower Upper

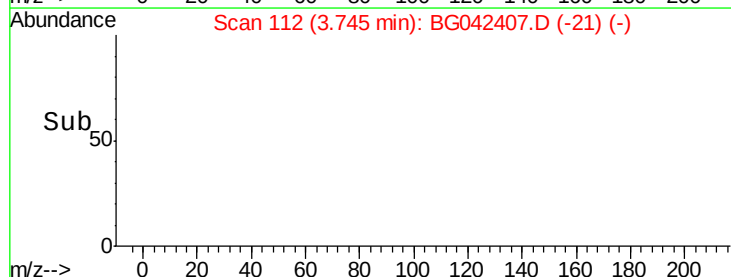
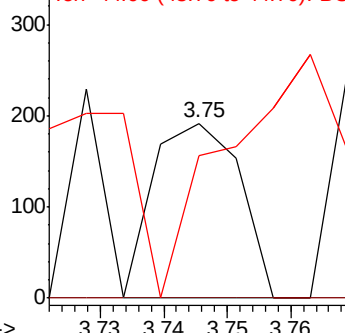
42 100

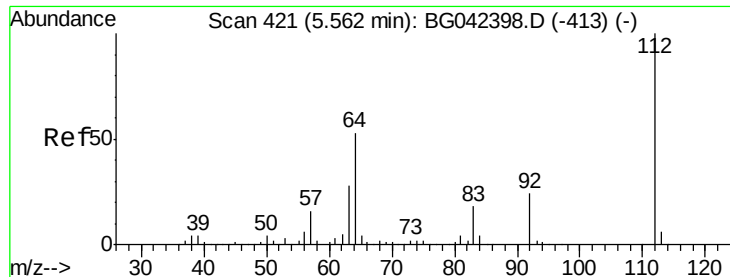
74 0.0 119.6 179.4#

44 81.8 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: 125.911 ng

RT: 5.56 min Scan# 421

Delta R.T. -0.00 min

Lab File: BG042407.D

Acq: 22 Aug 2019 18:58

Instrument :

BNA_G

ClientSampleId :

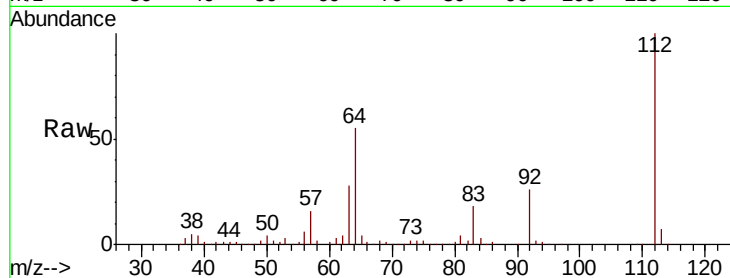
Tot Ion:112 Resp: 334509

Ion Ratio Lower Upper

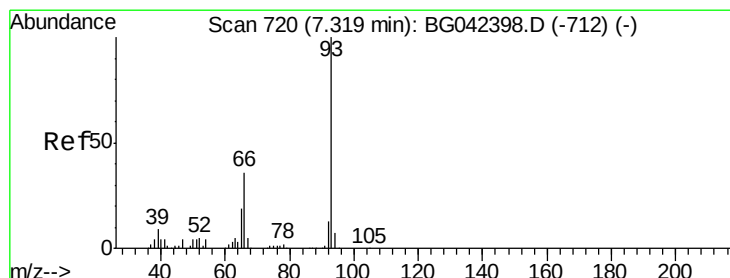
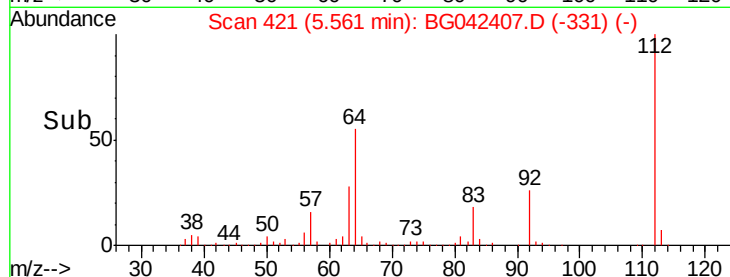
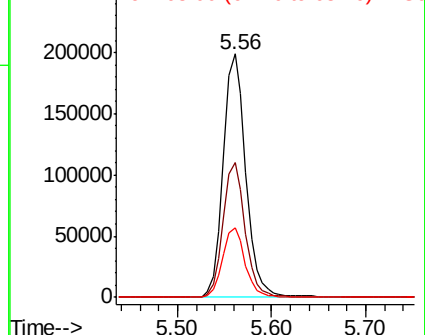
112 100

64 55.4 42.8 64.2

63 28.4 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: 0.083 ng

RT: 7.53 min Scan# 756

Delta R.T. 0.21 min

Lab File: BG042407.D

Acq: 22 Aug 2019 18:58

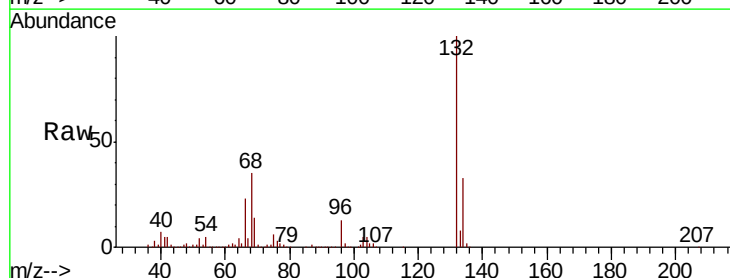
Tgt Ion: 93 Resp: 396

Ion Ratio Lower Upper

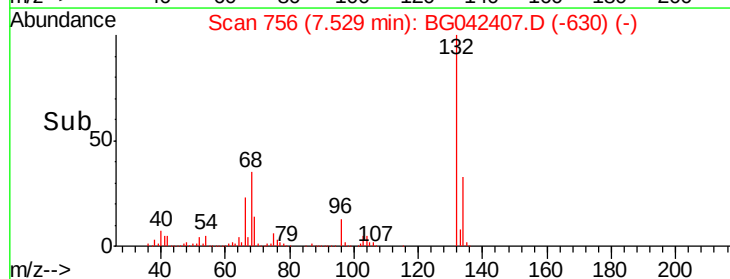
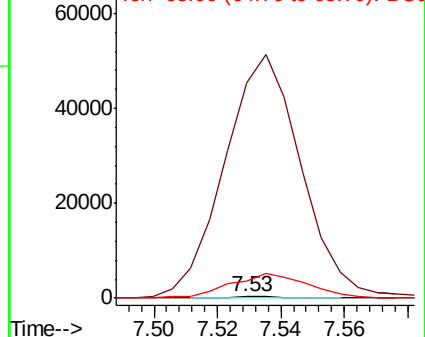
93 100

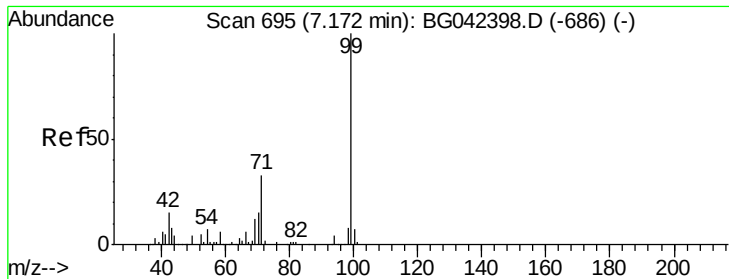
66 14336.9 29.0 43.6#

65 1106.0 15.2 22.8#



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 66.00 (65.70 to 66.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 122.521 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.00 min

Lab File: BG042407.D

Acq: 22 Aug 2019 18:58

Instrument :

BNA_G

ClientSampleId :

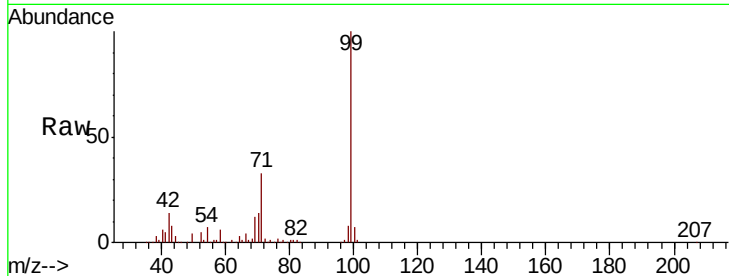
Tot Ion: 99 Resp: 439680

Ion Ratio Lower Upper

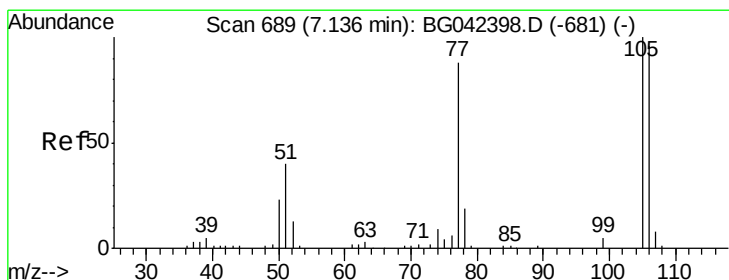
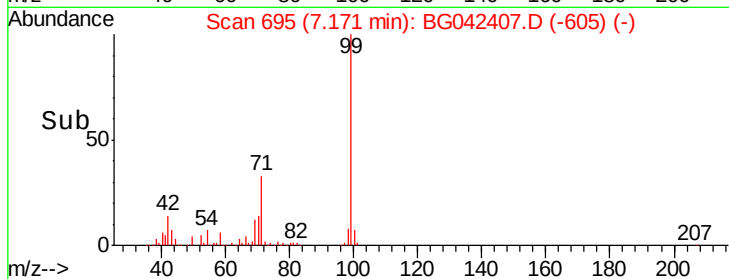
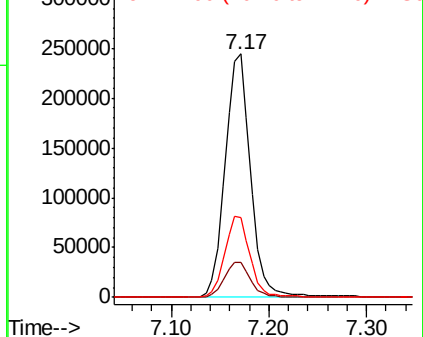
99 100

42 14.5 12.0 18.0

71 32.7 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: 0.413 ng

RT: 7.16 min Scan# 694

Delta R.T. 0.03 min

Lab File: BG042407.D

Acq: 22 Aug 2019 18:58

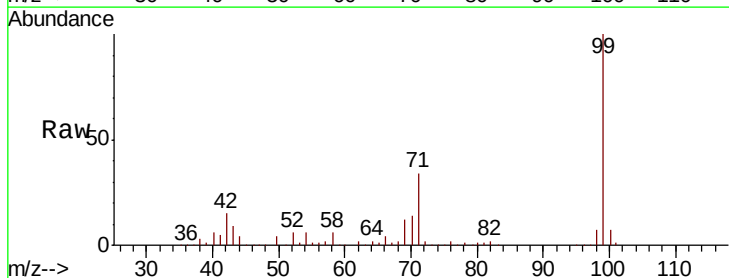
Tgt Ion: 77 Resp: 742

Ion Ratio Lower Upper

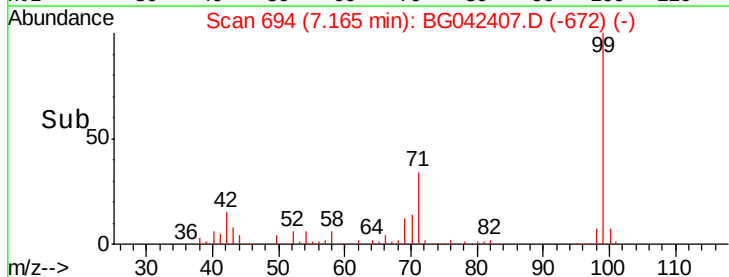
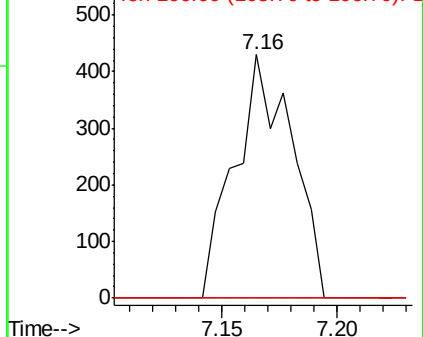
77 100

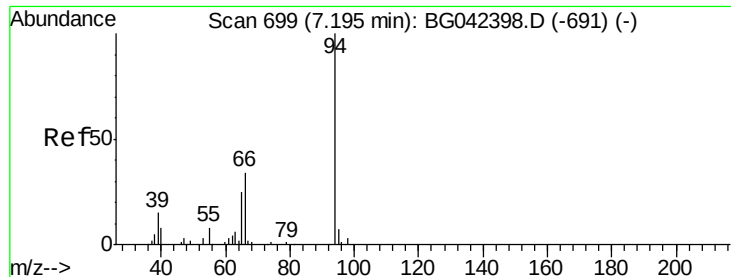
105 0.0 93.4 133.4#

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

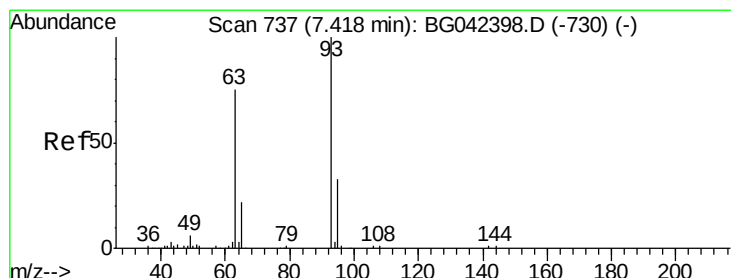
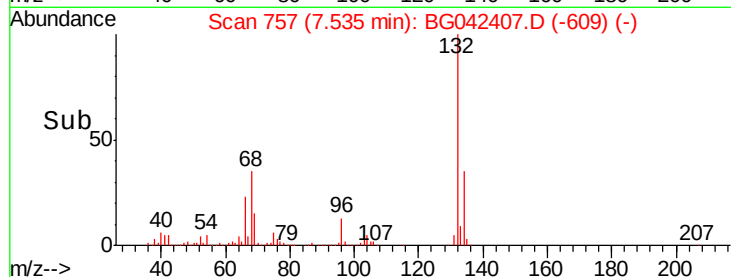
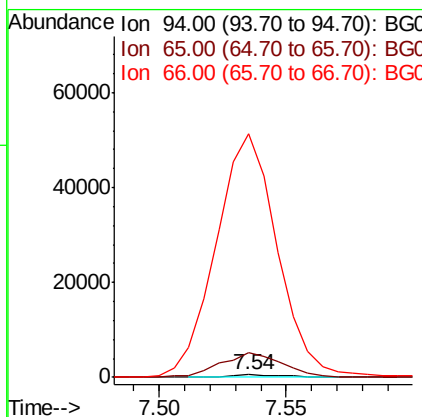
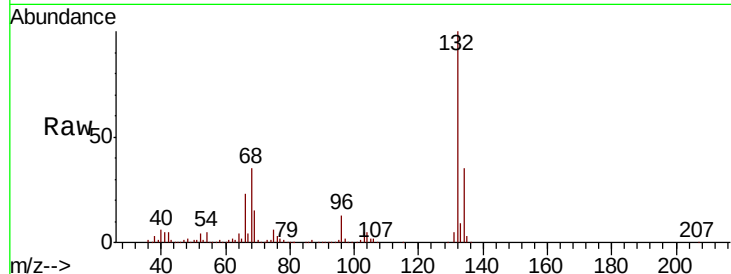




#10
Phenol
Concen: 0.220 ng
RT: 7.54 min Scan# 757
Delta R.T. 0.34 min
Lab File: BG042407.D
Acq: 22 Aug 2019 18:58

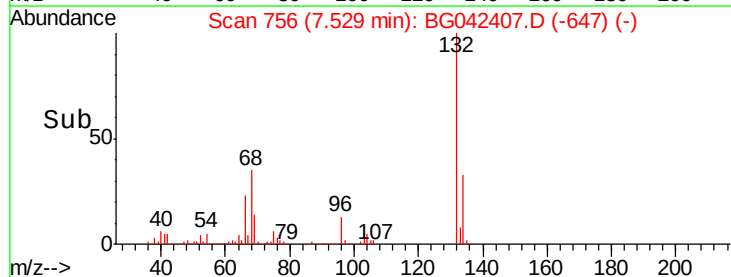
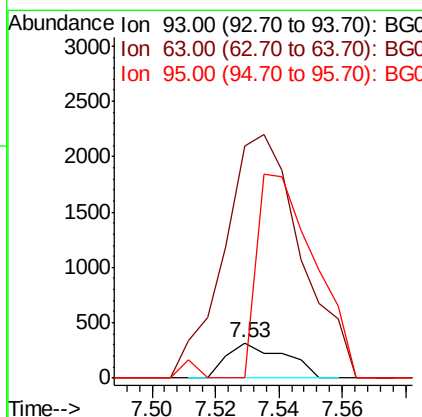
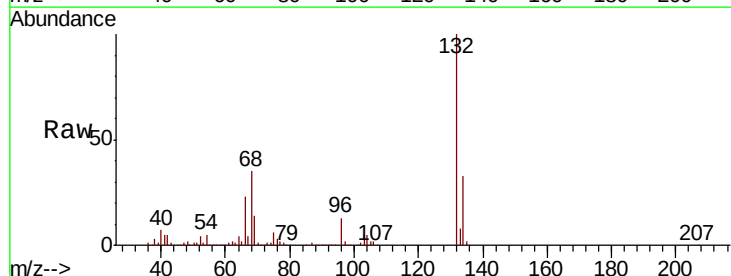
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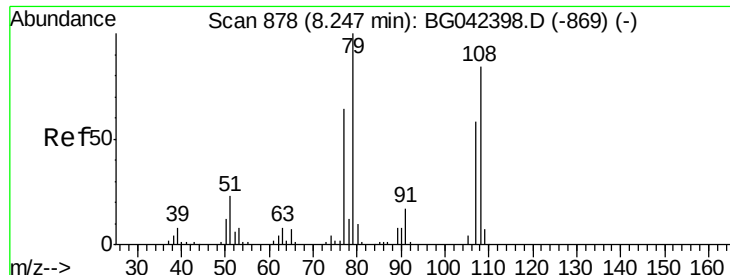
Tot Ion: 94 Resp: 801
Ion Ratio Lower Upper
94 100
65 1006.1 5.6 45.6#
66 10061.2 16.0 56.0#



#11
bis(2-Chloroethyl)ether
Concen: 0.138 ng
RT: 7.53 min Scan# 756
Delta R.T. 0.11 min
Lab File: BG042407.D
Acq: 22 Aug 2019 18:58

Tgt Ion: 93 Resp: 396
Ion Ratio Lower Upper
93 100
63 661.8 53.8 93.8#
95 0.0 13.1 53.1#

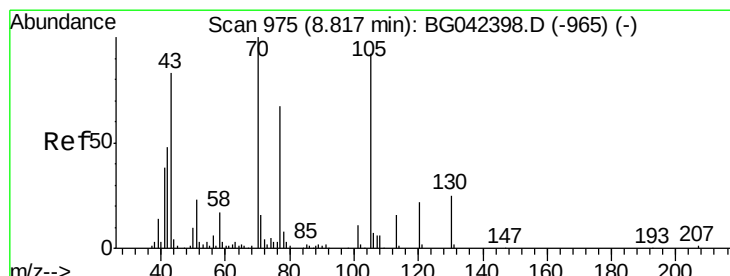
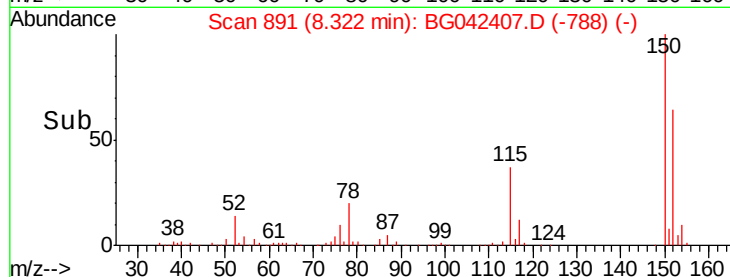
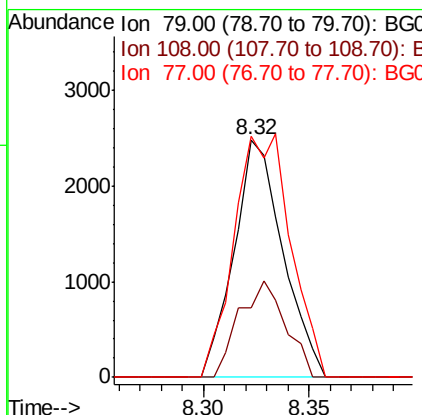
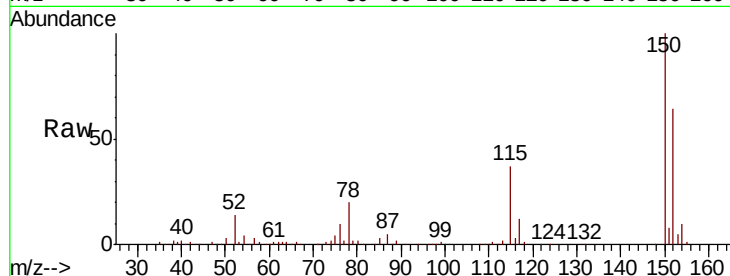




#15
Benzvl Alcohol
Concen: 1.541 ng
RT: 8.32 min Scan# 891
Delta R.T. 0.08 min
Lab File: BG042407.D
Acq: 22 Aug 2019 18:58

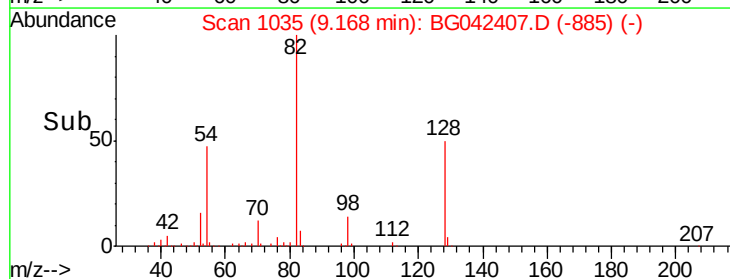
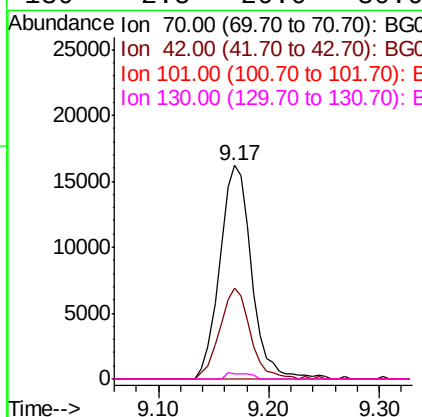
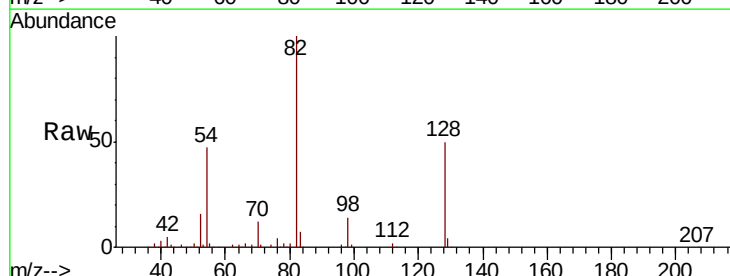
Instrument :
BNA_G
ClientSampleId :

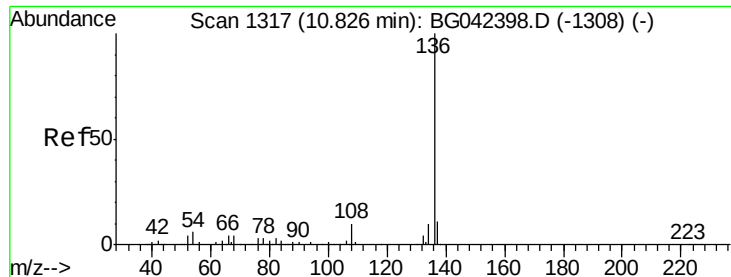
Tot Ion: 79 Resp: 3979
Ion Ratio Lower Upper
79 100
108 29.3 67.4 101.2#
77 101.6 50.8 76.2#



#19
n-Nitroso-di-n-propylamine
Concen: 13.976 ng
RT: 9.17 min Scan# 1035
Delta R.T. 0.35 min
Lab File: BG042407.D
Acq: 22 Aug 2019 18:58

Tgt Ion: 70 Resp: 32492
Ion Ratio Lower Upper
70 100
42 42.5 38.8 58.2
101 0.0 9.0 13.6#
130 2.5 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: BG042407.D

Acq: 22 Aug 2019 18:58

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 212580

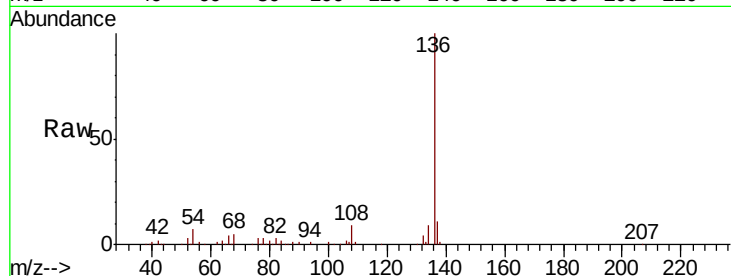
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 6.6 4.9 7.3

68 4.7 3.6 5.4

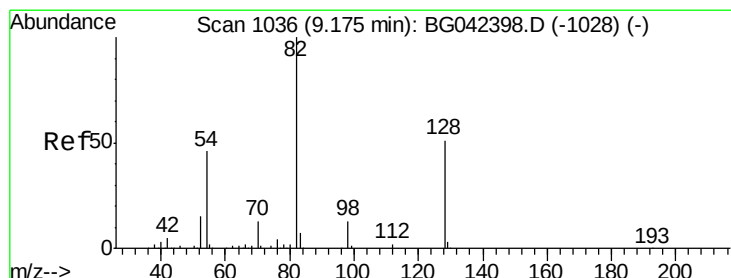
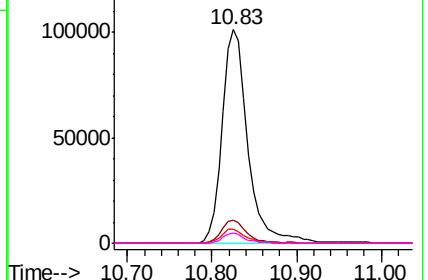
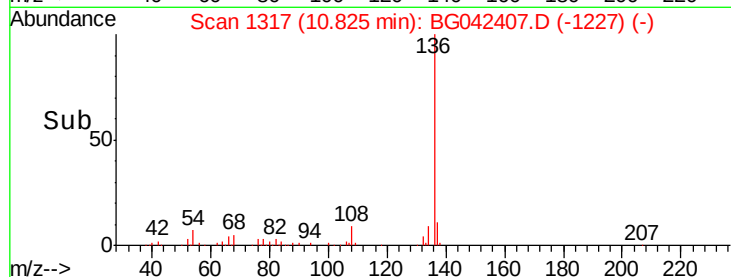


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 82.395 ng

RT: 9.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BG042407.D

Acq: 22 Aug 2019 18:58

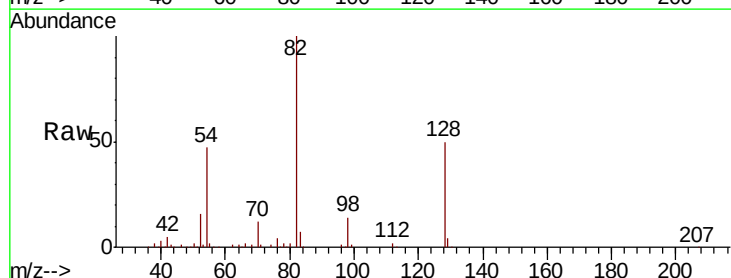
Tgt Ion: 82 Resp: 253466

Ion Ratio Lower Upper

82 100

128 50.1 40.7 61.1

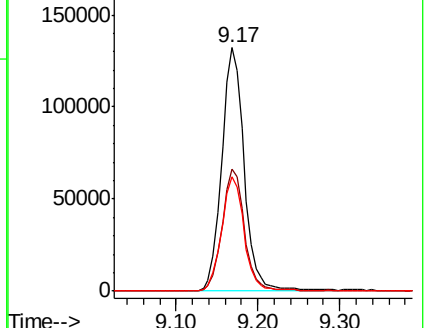
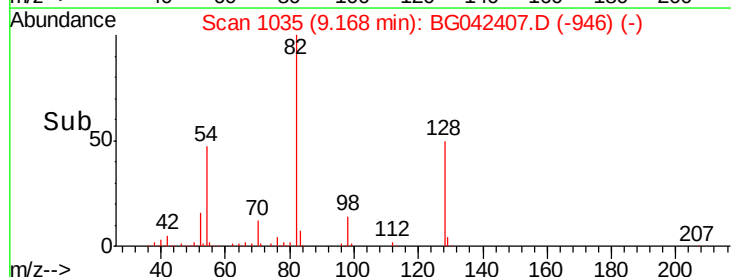
54 46.8 36.3 54.5

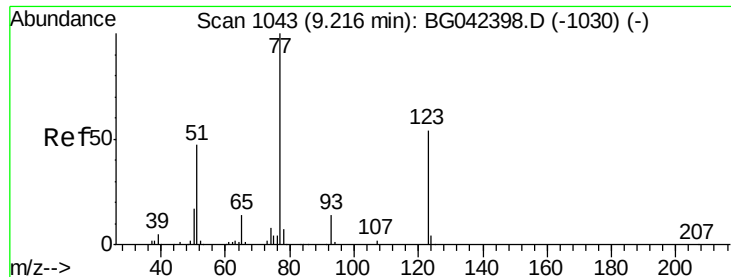


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

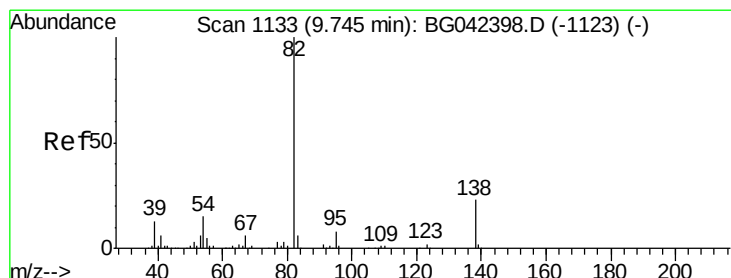
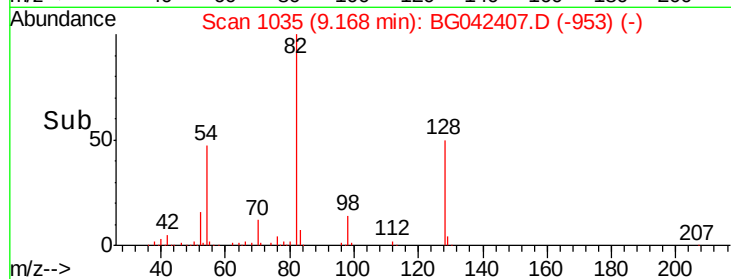
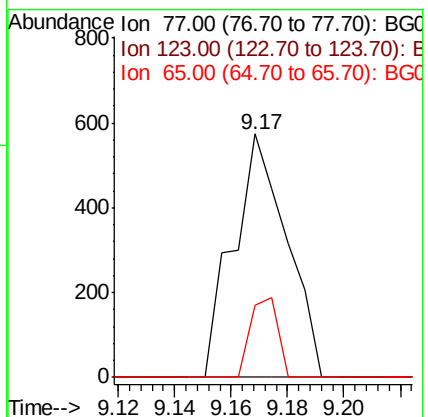
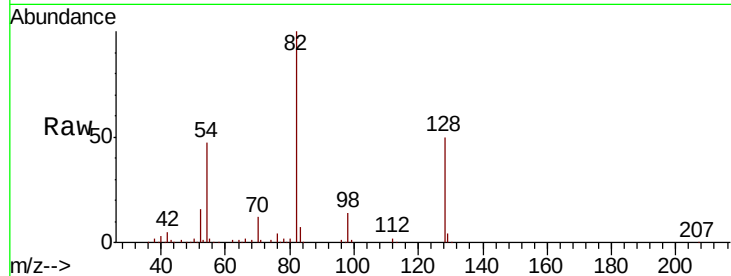




#24
 Nitrobenzene
 Concen: 0.241 ng
 RT: 9.17 min Scan# 1035
 Delta R.T. -0.05 min
 Lab File: BG042407.D
 Acq: 22 Aug 2019 18:58

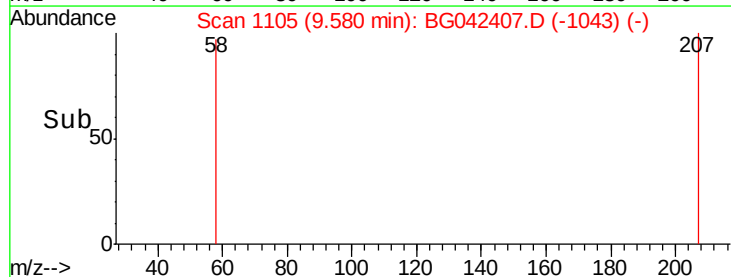
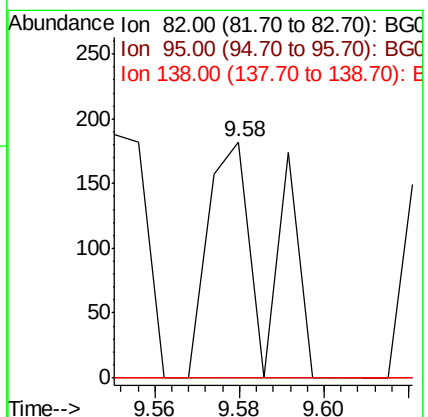
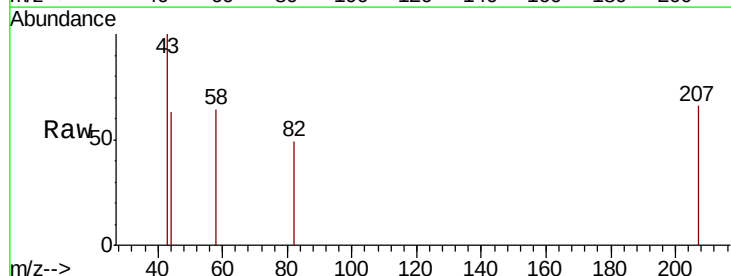
Instrument :
 BNA_G
 ClientSampleId :

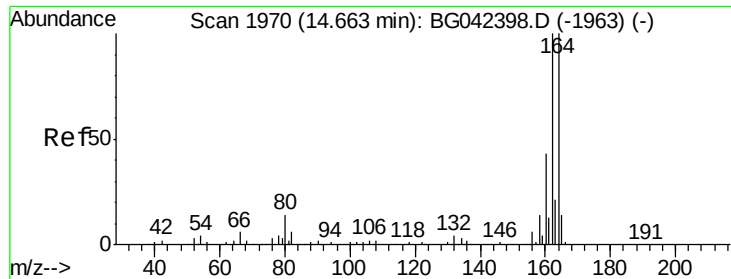
Tot Ion: 77 Resp: 752
 Ion Ratio Lower Upper
 77 100
 123 0.0 43.4 65.0#
 65 29.8 11.0 16.6#



#25
 Isophorone
 Concen: 0.030 ng
 RT: 9.58 min Scan# 1105
 Delta R.T. -0.17 min
 Lab File: BG042407.D
 Acq: 22 Aug 2019 18:58

Tgt Ion: 82 Resp: 181
 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: BG042407.D

Acq: 22 Aug 2019 18:58

Instrument :

BNA_G

ClientSampleId :

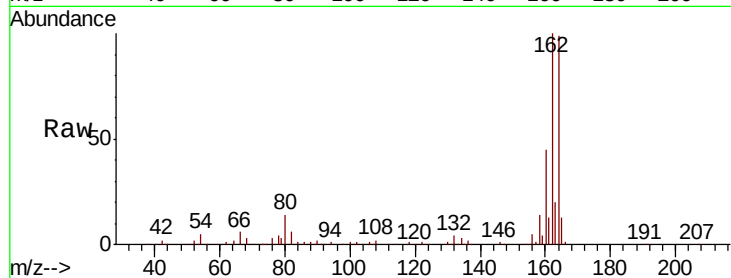
Tot Ion:164 Resp: 157316

Ion Ratio Lower Upper

164 100

162 101.1 79.9 119.9

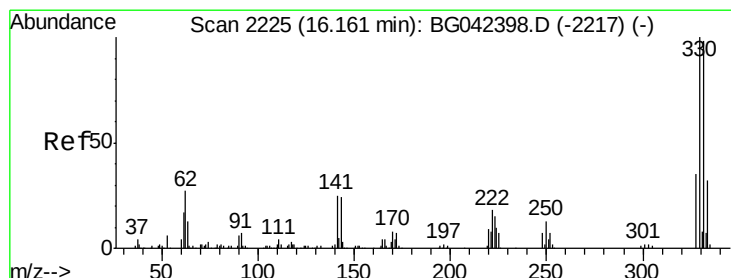
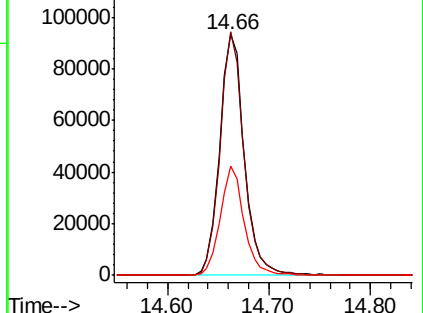
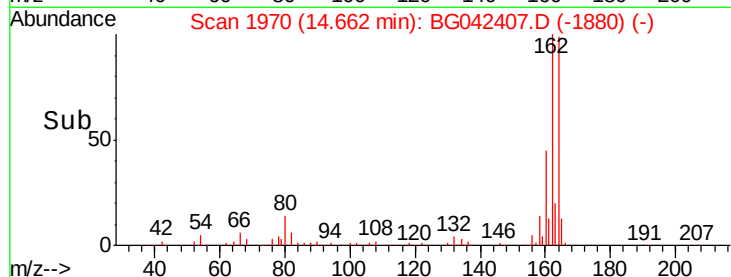
160 45.2 34.3 51.5



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: 112.951 ng

RT: 16.15 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG042407.D

Acq: 22 Aug 2019 18:58

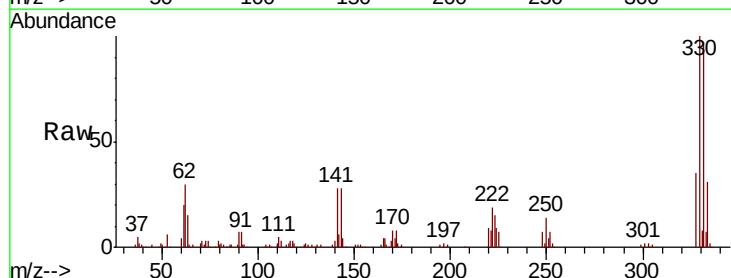
Tgt Ion:330 Resp: 252558

Ion Ratio Lower Upper

330 100

332 97.2 77.4 116.0

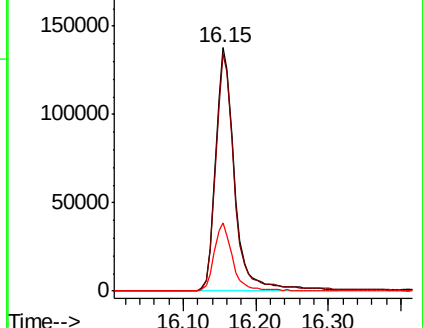
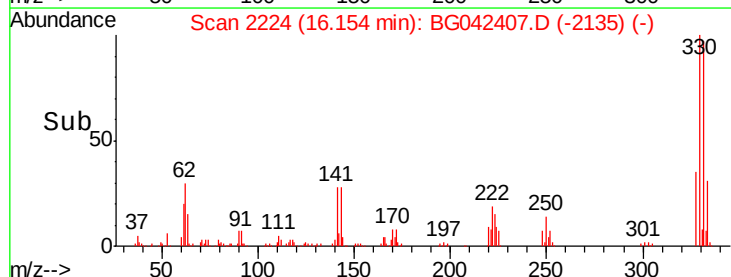
141 27.0 21.4 32.0

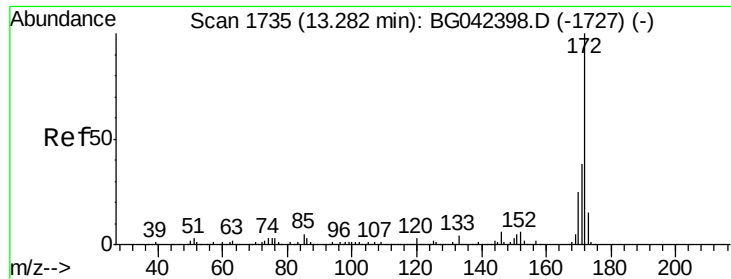


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

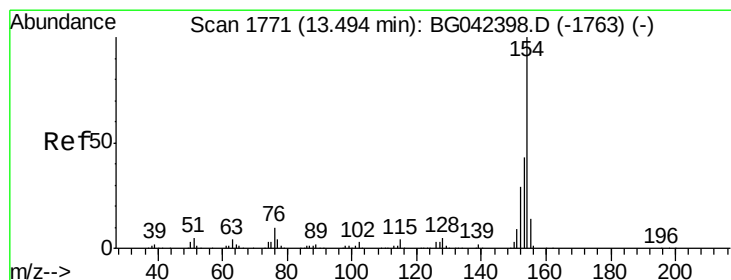
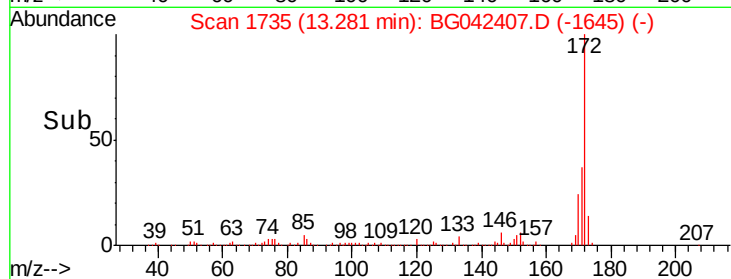
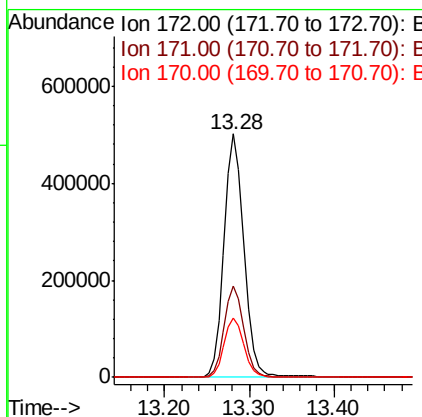
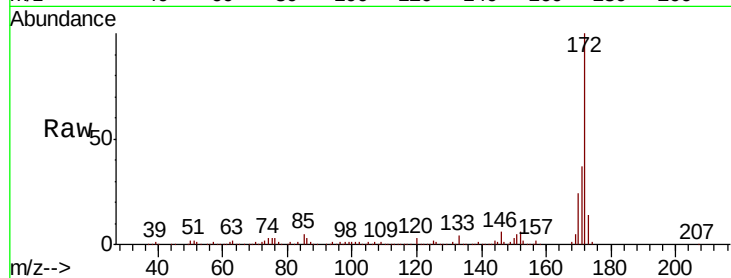




#45
2-Fluorobiphenyl
Concen: 88.206 ng
RT: 13.28 min Scan# 1735
Delta R.T. -0.00 min
Lab File: BG042407.D
Acq: 22 Aug 2019 18:58

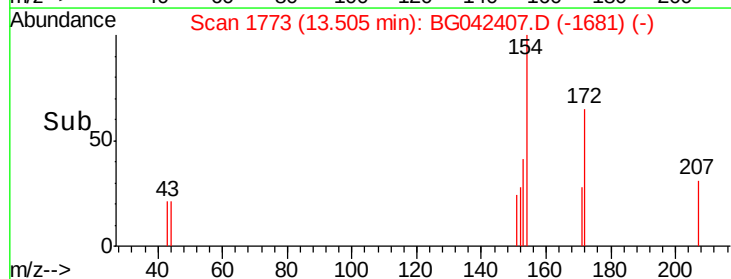
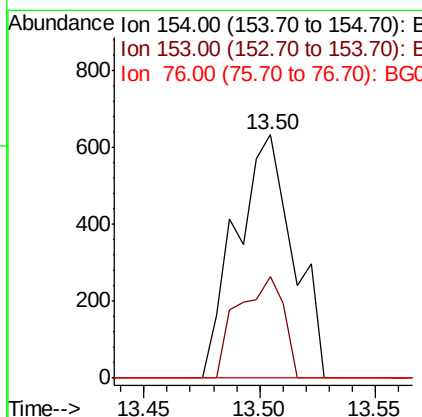
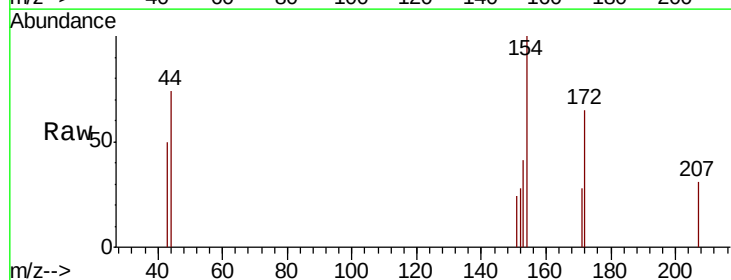
Instrument :
BNA_G
ClientSampleId :

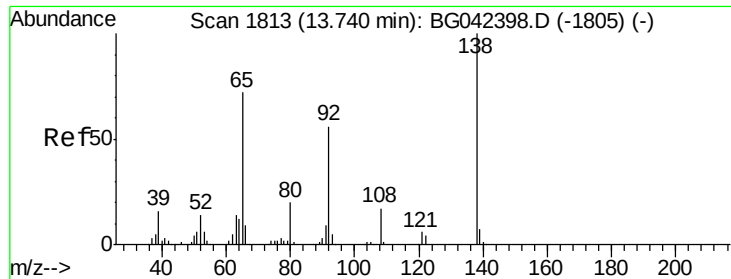
Tot Ion:172 Resp: 820454
Ion Ratio Lower Upper
172 100
171 37.3 30.5 45.7
170 24.5 20.2 30.2



#46
1,1'-Biphenyl
Concen: 0.108 ng
RT: 13.50 min Scan# 1773
Delta R.T. 0.01 min
Lab File: BG042407.D
Acq: 22 Aug 2019 18:58

Tgt Ion:154 Resp: 1100
Ion Ratio Lower Upper
154 100
153 41.5 23.0 63.0
76 0.0 0.0 29.6





#48

2-Nitroaniline

Concen: 0.439 ng

RT: 13.28 min Scan# 1735

Delta R.T. -0.46 min

Lab File: BG042407.D

Acq: 22 Aug 2019 18:58

Instrument :

BNA_G

ClientSampleId :

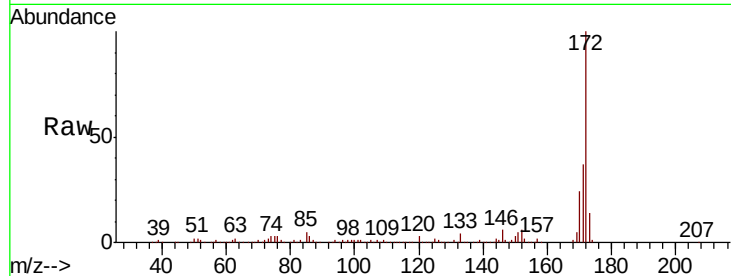
Tot Ion: 65 Resp: 929

Ion Ratio Lower Upper

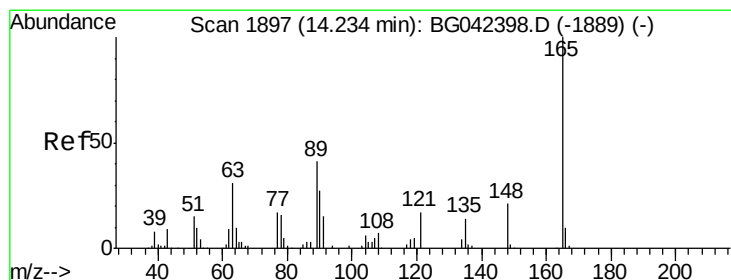
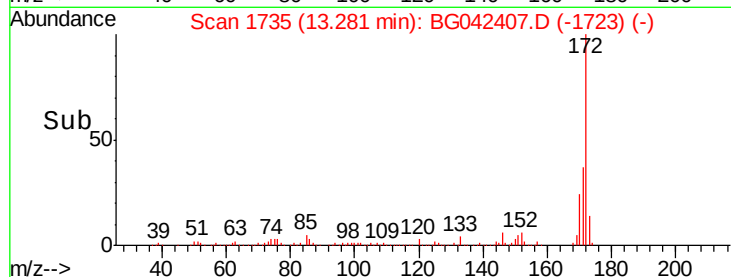
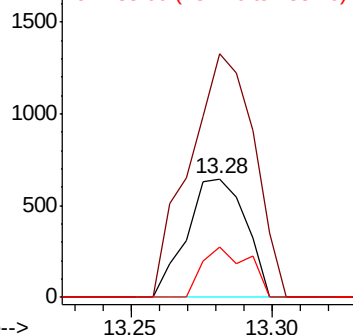
65 100

92 205.4 61.8 92.6#

138 42.0 111.0 166.6#



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): BGC



#51

2,6-Dinitrotoluene

Concen: 7.562 ng

RT: 14.66 min Scan# 1970

Delta R.T. 0.43 min

Lab File: BG042407.D

Acq: 22 Aug 2019 18:58

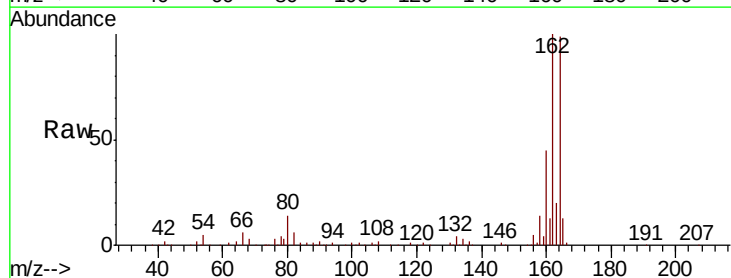
Tgt Ion:165 Resp: 19896

Ion Ratio Lower Upper

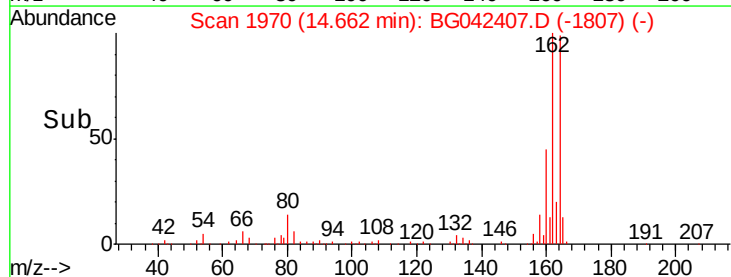
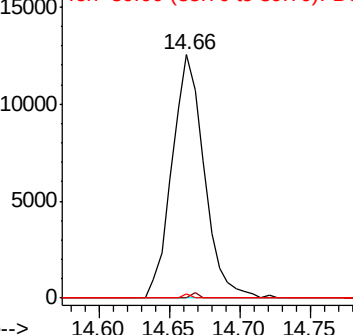
165 100

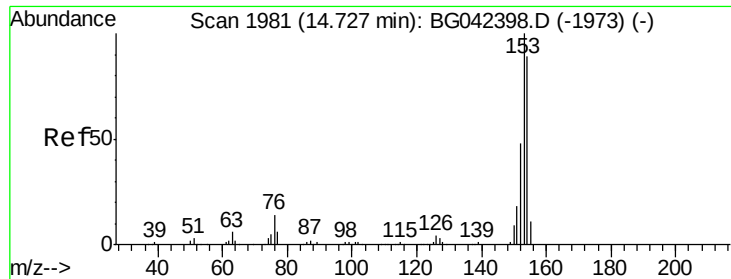
63 0.0 30.6 45.8#

89 2.0 32.6 49.0#



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





#52

Acenaphthene

Concen: 0.040 ng

RT: 14.67 min Scan# 1971

Delta R.T. -0.06 min

Lab File: BG042407.D

Acq: 22 Aug 2019 18:58

Instrument :

BNA_G

ClientSampleId :

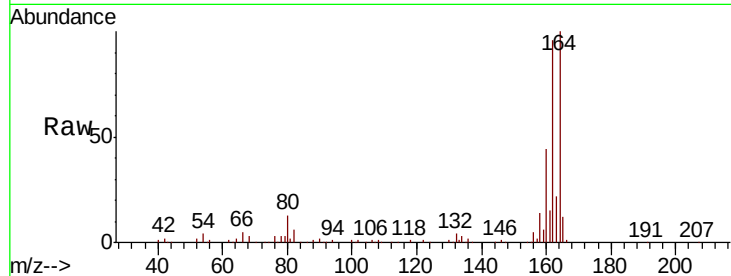
Tot Ion:154 Resp: 324

Ion Ratio Lower Upper

154 100

153 0.0 90.2 135.4#

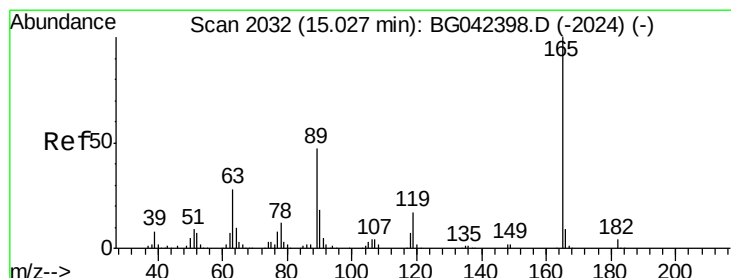
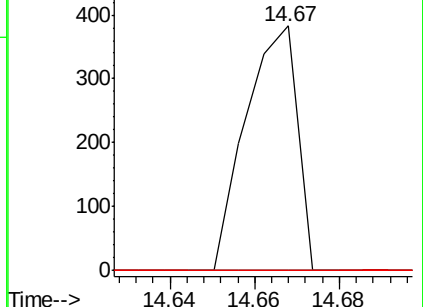
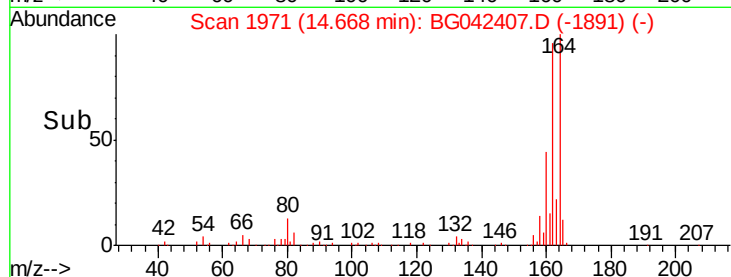
152 0.0 43.2 64.8#



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: 5.281 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.37 min

Lab File: BG042407.D

Acq: 22 Aug 2019 18:58

Tgt Ion:165 Resp: 19896

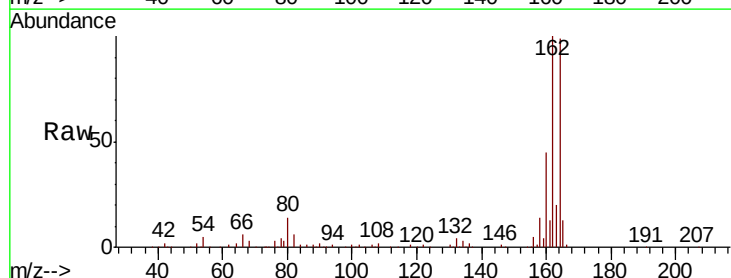
Ion Ratio Lower Upper

165 100

63 0.0 22.5 33.7#

89 2.0 37.8 56.6#

182 0.0 3.0 4.4#

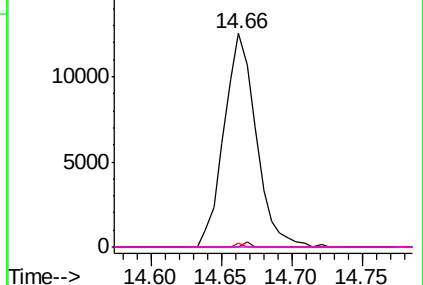
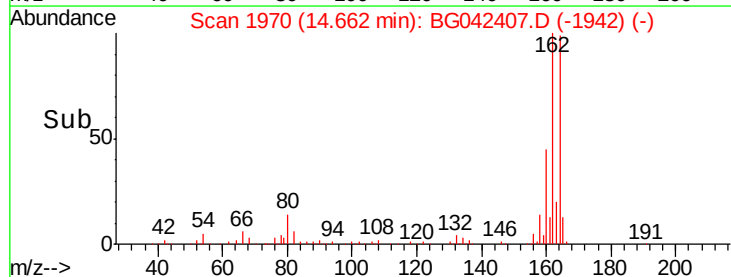


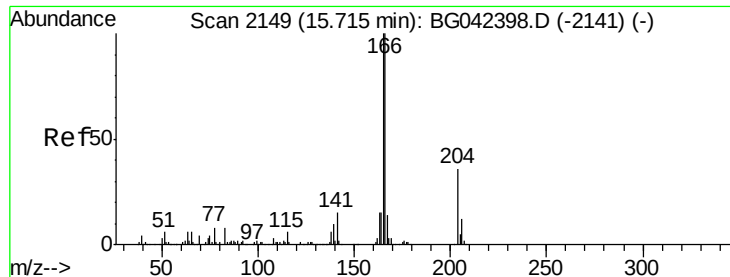
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#58

Fluorene

Concen: 0.850 ng

RT: 16.15 min Scan# 2224

Delta R.T. 0.44 min

Lab File: BG042407.D

Acq: 22 Aug 2019 18:58

Instrument :

BNA_G

ClientSampleId :

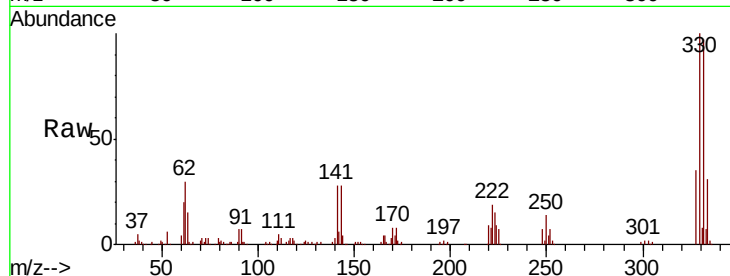
Tot Ion:166 Resp: 9217

Ion Ratio Lower Upper

166 100

165 116.6 79.7 119.5

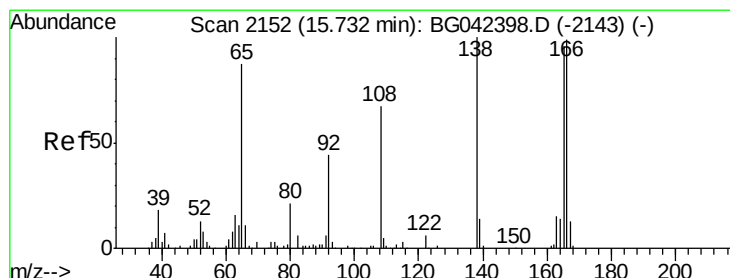
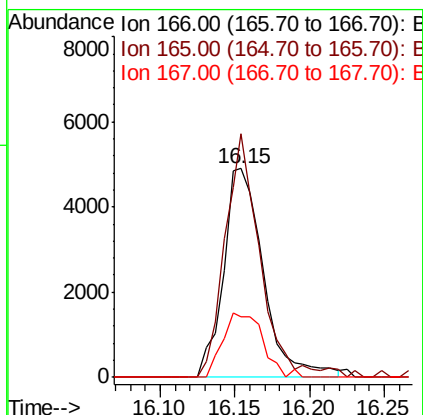
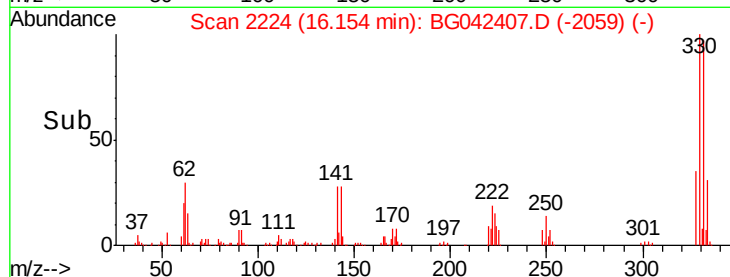
167 28.8 10.9 16.3#



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



#62

4-Nitroaniline

Concen: 0.020 ng

RT: 15.72 min Scan# 2150

Delta R.T. -0.01 min

Lab File: BG042407.D

Acq: 22 Aug 2019 18:58

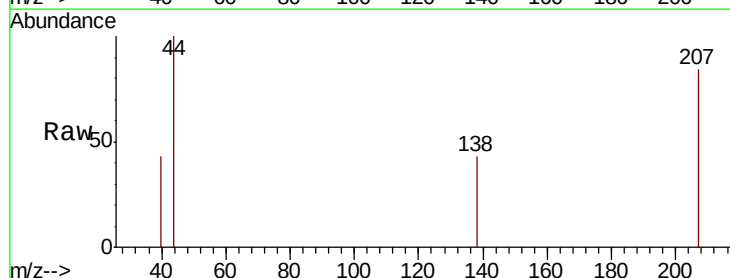
Tgt Ion:138 Resp: 56

Ion Ratio Lower Upper

138 100

92 0.0 24.2 64.2#

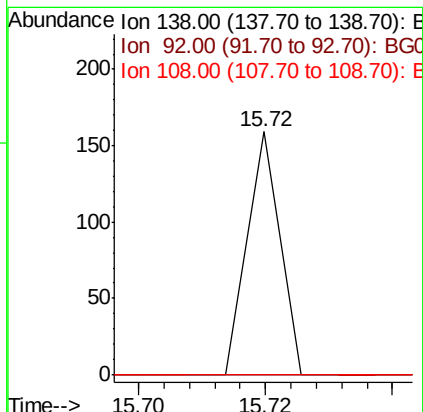
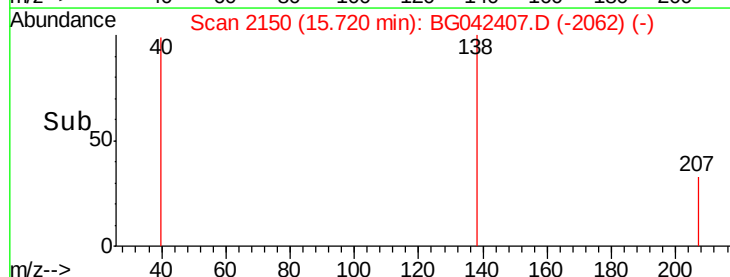
108 0.0 46.8 86.8#

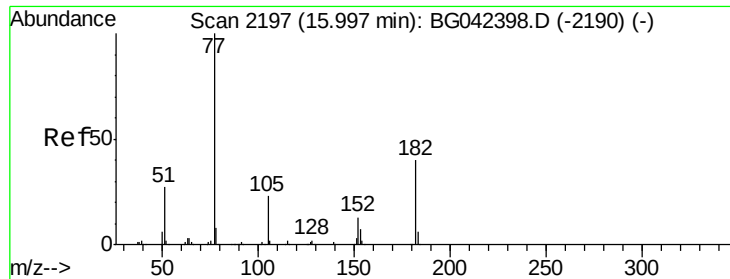


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E

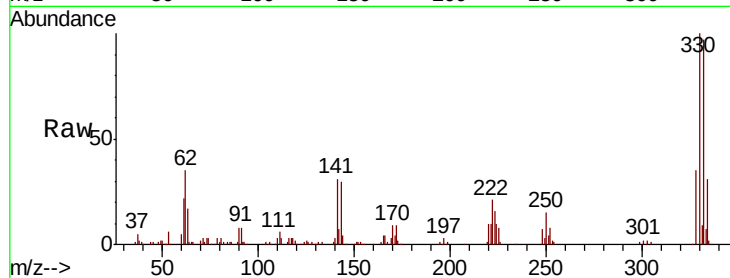




#63
Azobenzene
Concen: 0.092 ng
RT: 16.15 min Scan# 2223
Delta R.T. 0.15 min
Lab File: BG042407.D
Acq: 22 Aug 2019 18:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
77	100		
182	0.0	19.9	59.9#
105	78.7	2.9	42.9#
51	66.5	7.6	47.6#



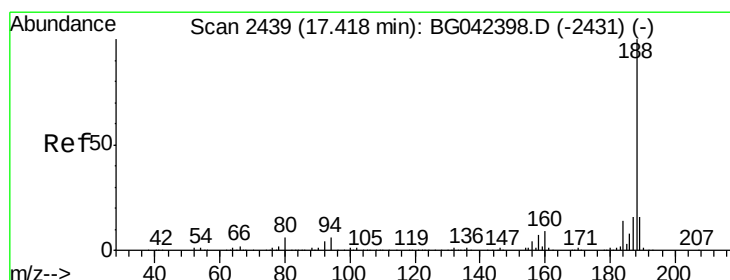
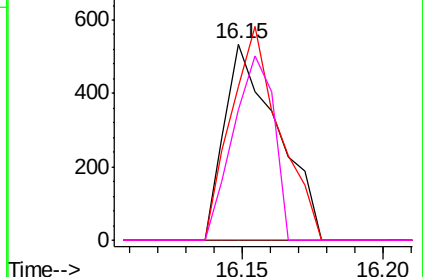
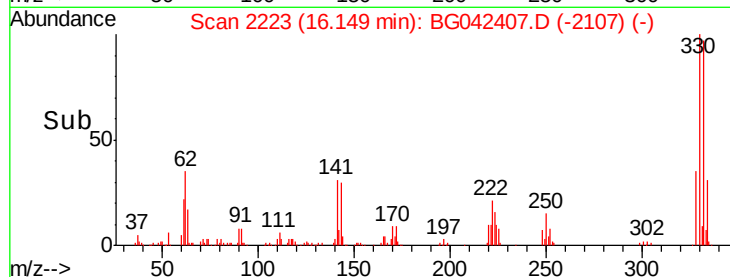
Abundance

Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

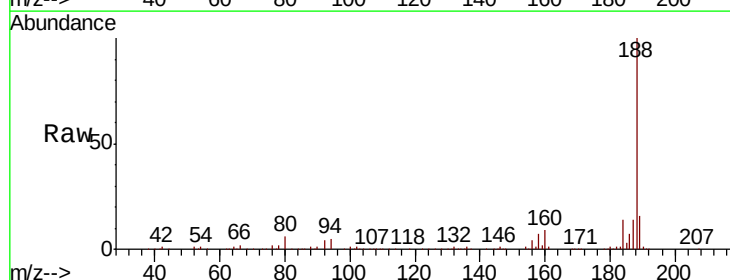
Ion 105.00 (104.70 to 105.70): BGC

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: BG042407.D
Acq: 22 Aug 2019 18:58

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.5	4.5	6.7
80	6.5	4.9	7.3

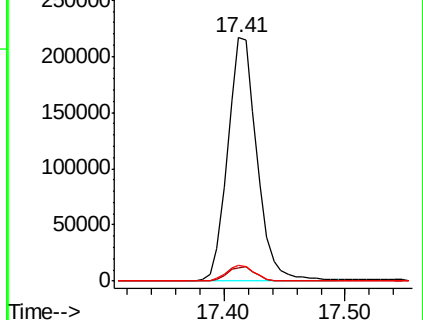
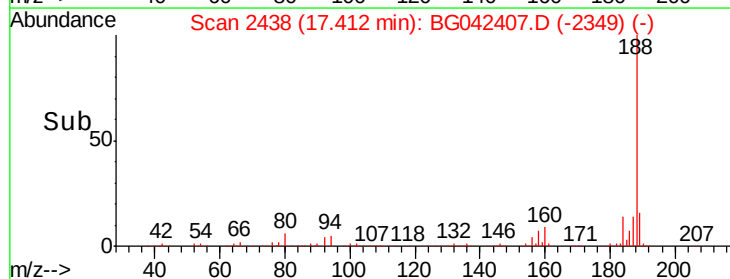


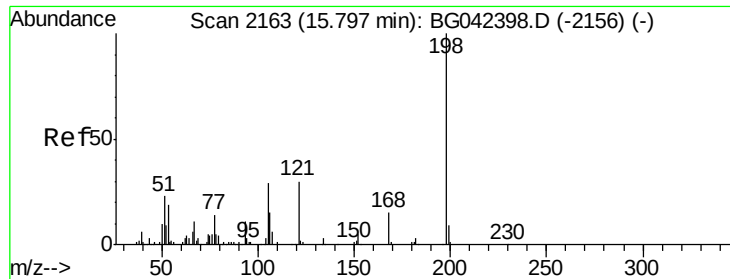
Abundance

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

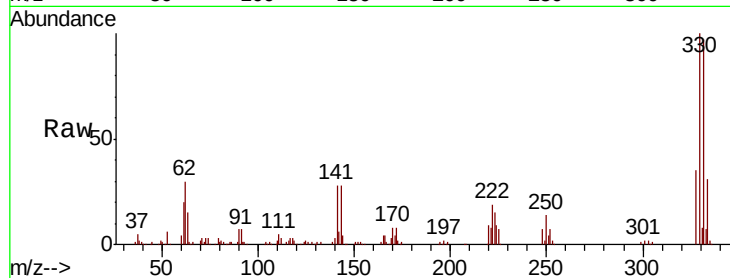




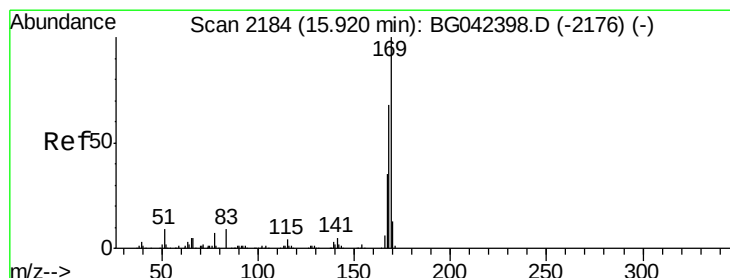
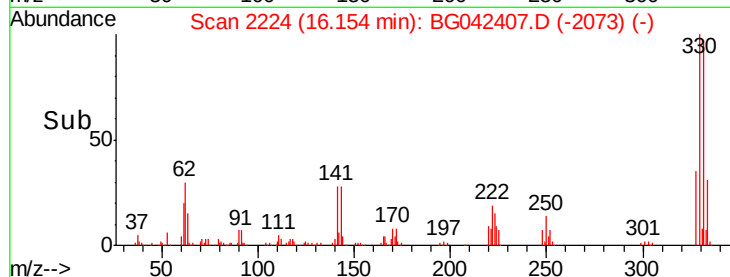
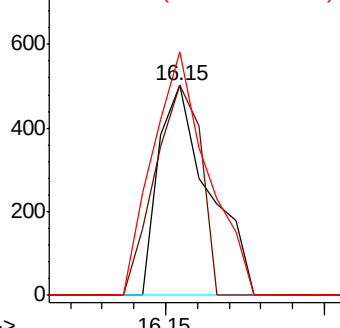
#65
 4,6-Dinitro-2-methylphenol
 Concen: 0.241 ng
 RT: 16.15 min Scan# 2224
 Delta R.T. 0.36 min
 Lab File: BG042407.D
 Acq: 22 Aug 2019 18:58

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
198	100		
51	100.4	4.2	44.2#
105	115.9	8.8	48.8#

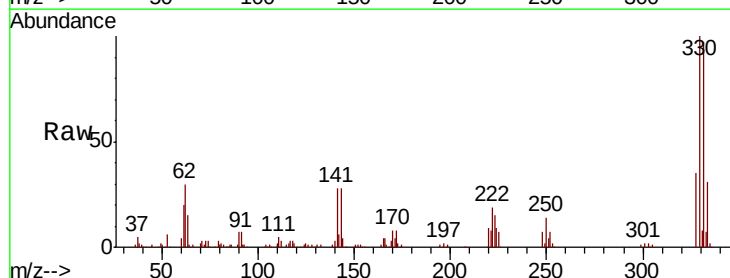


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

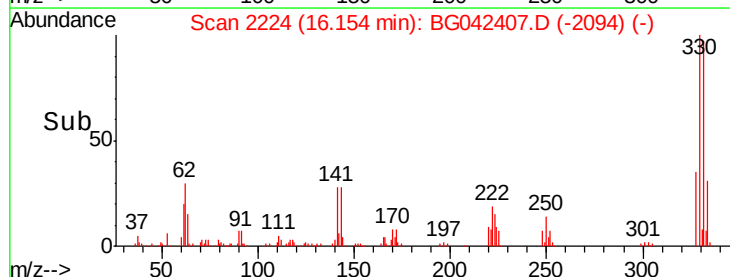
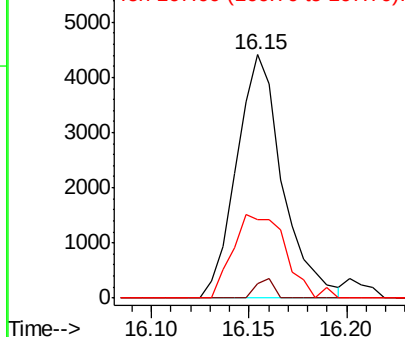


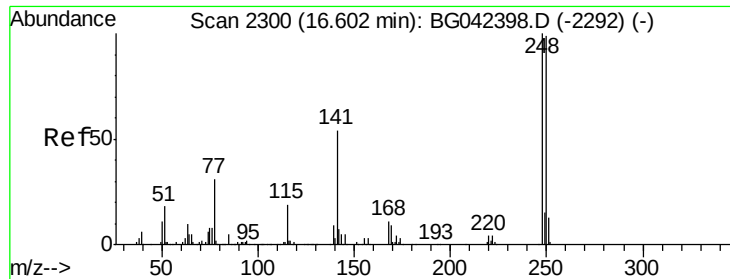
#66
 n-Nitrosodiphenylamine
 Concen: 0.718 ng
 RT: 16.15 min Scan# 2224
 Delta R.T. 0.23 min
 Lab File: BG042407.D
 Acq: 22 Aug 2019 18:58

Tgt Ion	Ratio	Lower	Upper
169	100		
168	6.2	54.3	81.5#
167	32.0	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

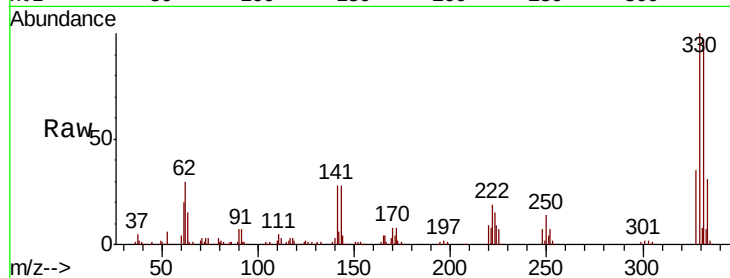




#67
 4-Bromophenyl-phenylether
 Concen: 3.743 ng
 RT: 16.15 min Scan# 2224
 Delta R.T. -0.45 min
 Lab File: BG042407.D
 Acq: 22 Aug 2019 18:58

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	204.6	78.9	118.3#
141	407.3	43.3	64.9#

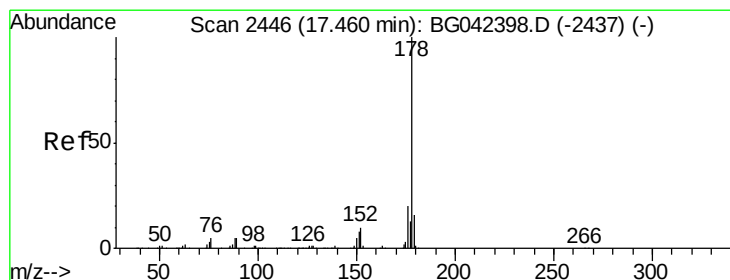
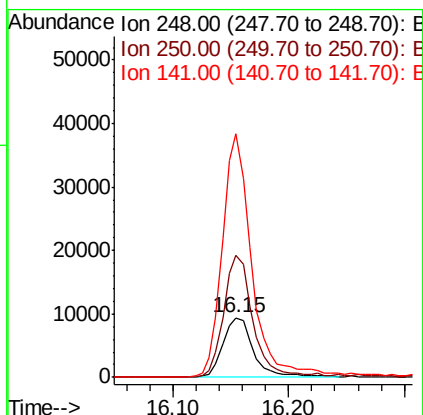
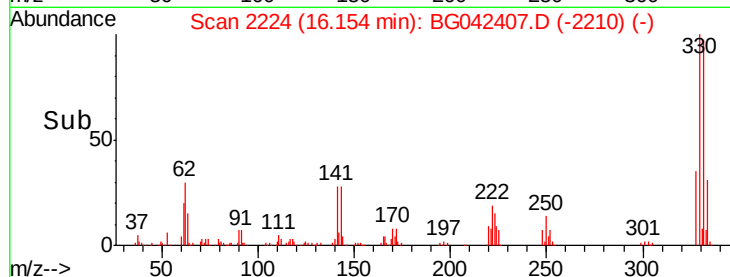


Abundance

Ion 248.00 (247.70 to 248.70): E

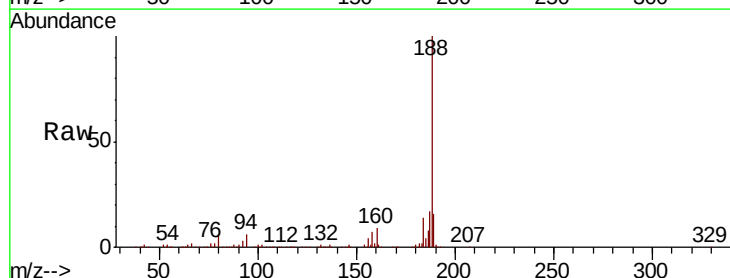
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#71
 Phenanthrene
 Concen: 0.007 ng
 RT: 17.42 min Scan# 2439
 Delta R.T. -0.04 min
 Lab File: BG042407.D
 Acq: 22 Aug 2019 18:58

Tgt Ion	Ratio	Lower	Upper
178	100		
176	0.0	15.9	23.9#
179	128.4	12.7	19.1#

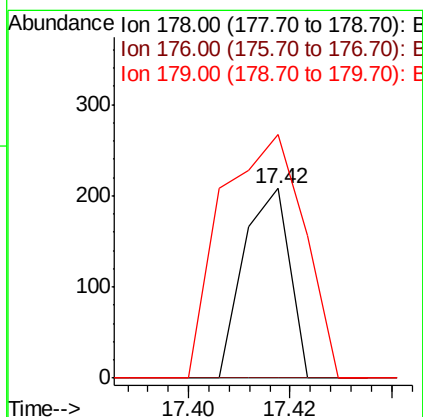
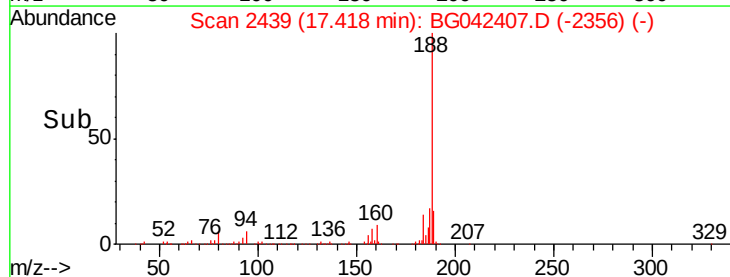


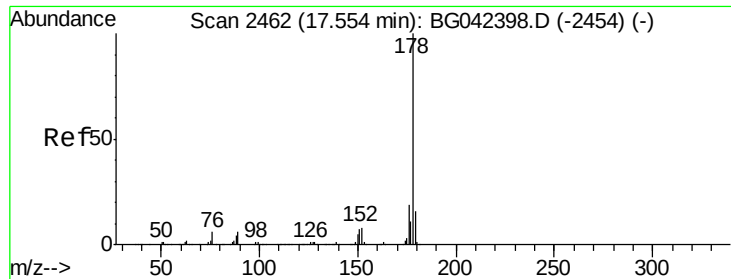
Abundance

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: 0.007 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.14 min

Lab File: BG042407.D

Acq: 22 Aug 2019 18:58

Instrument :

BNA_G

ClientSampleId :

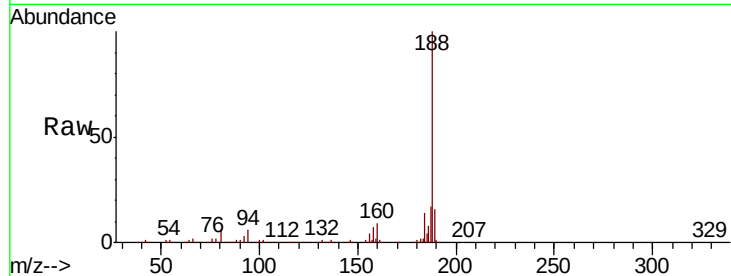
Tot Ion:178 Resp: 132

Ion Ratio Lower Upper

178 100

176 0.0 15.5 23.3#

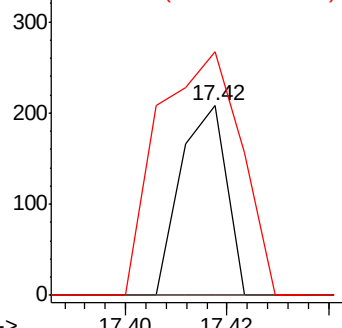
179 128.4 12.9 19.3#



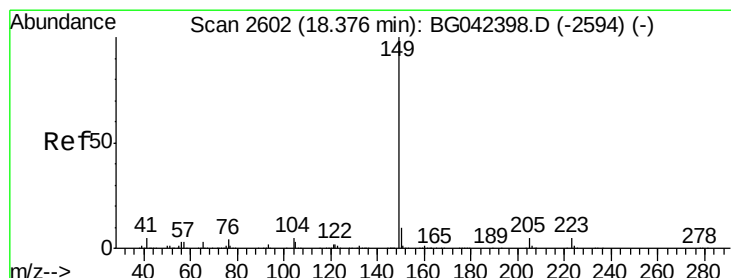
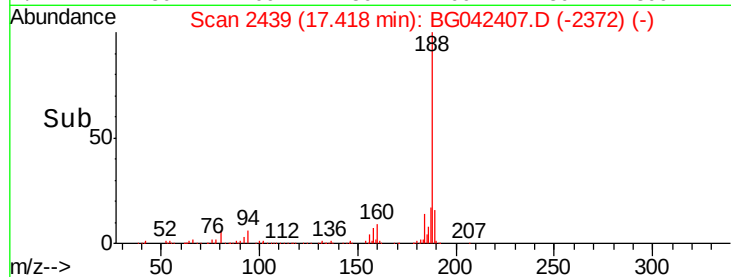
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#74

Di-n-butylphthalate

Concen: 0.018 ng

RT: 18.39 min Scan# 2604

Delta R.T. 0.01 min

Lab File: BG042407.D

Acq: 22 Aug 2019 18:58

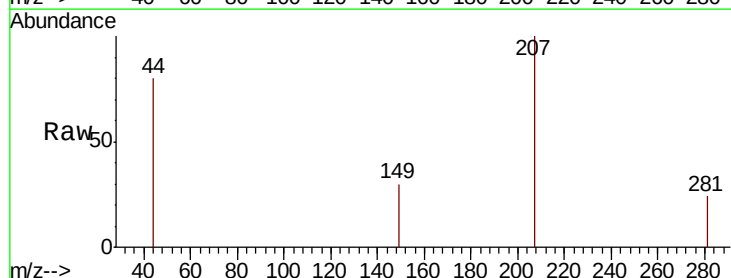
Tgt Ion:149 Resp: 340

Ion Ratio Lower Upper

149 100

150 0.0 8.1 12.1#

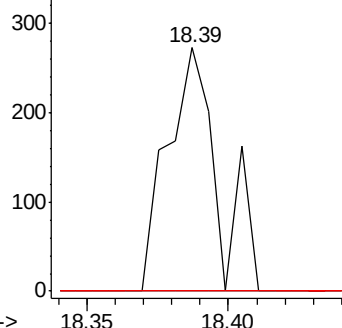
104 0.0 3.7 5.5#



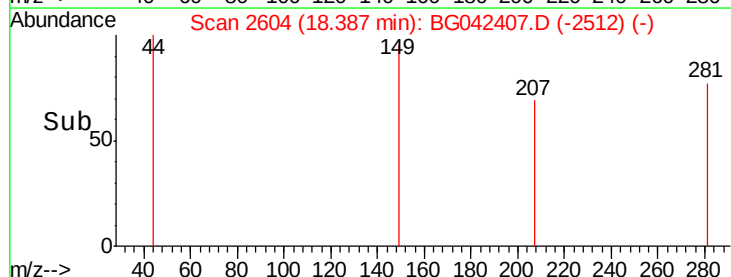
Abundance Ion 149.00 (148.70 to 149.70): E

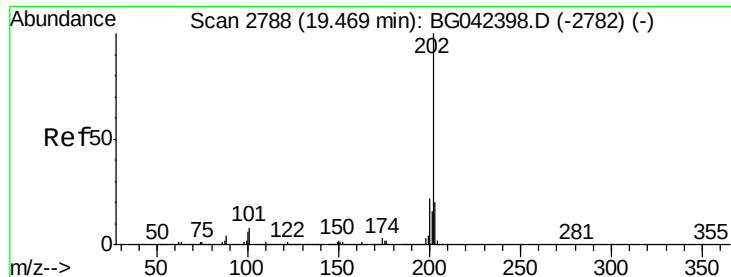
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



Time-->





#75

Fluoranthene

Concen: 0.011 ng

RT: 19.48 min Scan# 2790

Delta R.T. 0.01 min

Lab File: BG042407.D

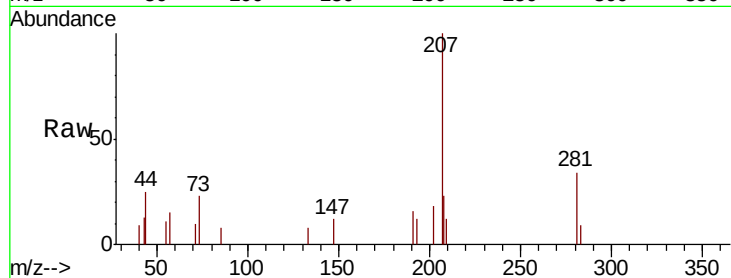
Acq: 22 Aug 2019 18:58

Instrument :

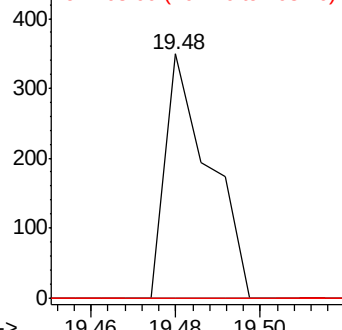
BNA_G

ClientSampleId :

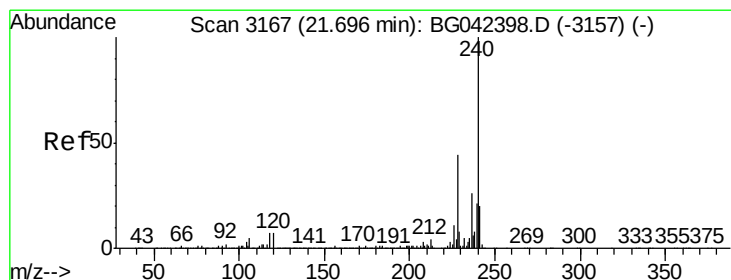
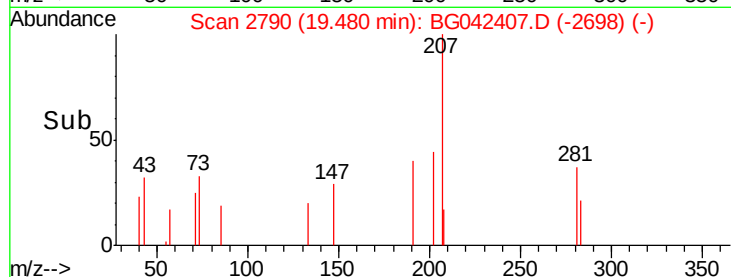
Tot Ion:	202	Resp:	252
Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	28.3
203	0.0	0.0	39.6



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



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

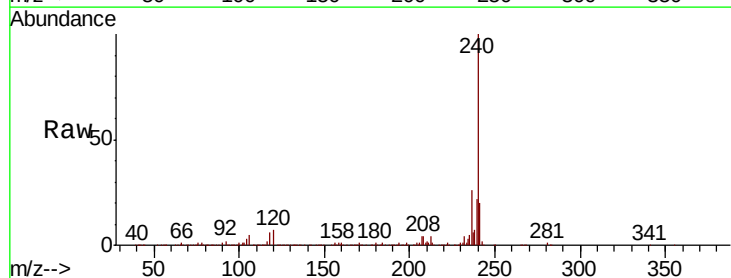
RT: 21.69 min Scan# 3166

Delta R.T. -0.01 min

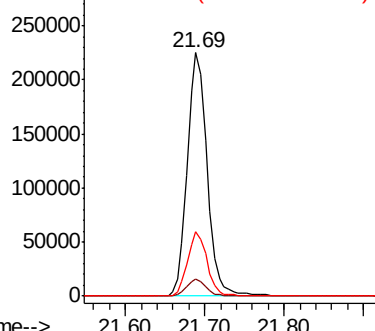
Lab File: BG042407.D

Acq: 22 Aug 2019 18:58

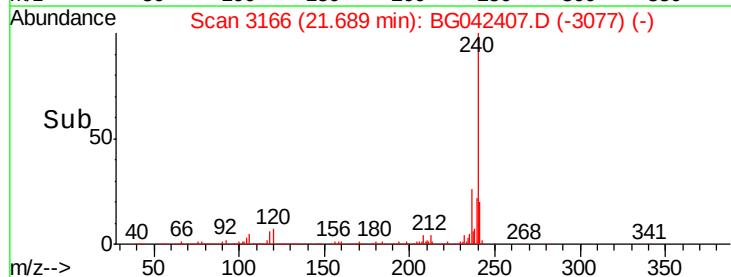
Tgt Ion:	240	Resp:	392226
Ion	Ratio	Lower	Upper
240	100		
120	6.8	5.7	8.5
236	26.4	21.0	31.4

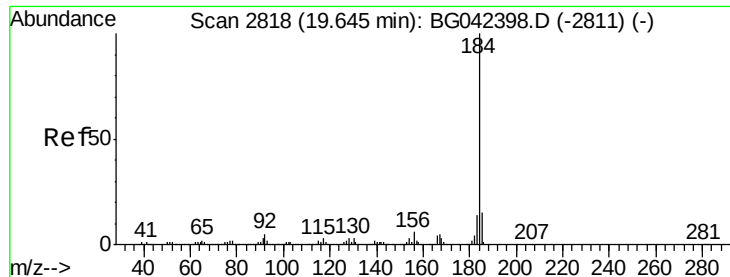


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time-->





#77

Benzidine

Concen: 0.320 ng

RT: 19.69 min Scan# 2825

Delta R.T. 0.04 min

Lab File: BG042407.D

Acq: 22 Aug 2019 18:58

Instrument :

BNA_G

ClientSampleId :

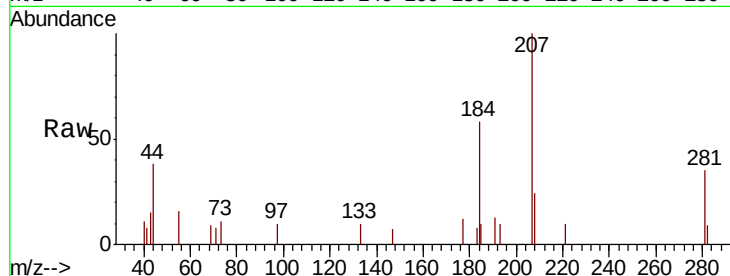
Tot Ion:184 Resp: 3596

Ion Ratio Lower Upper

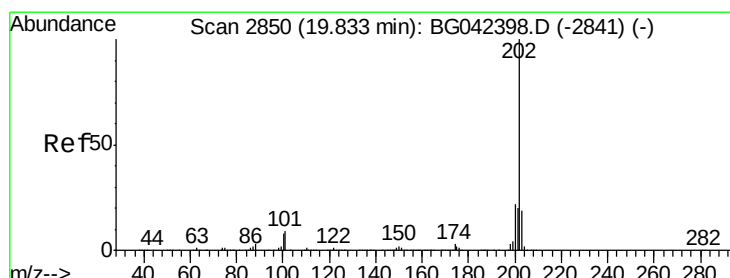
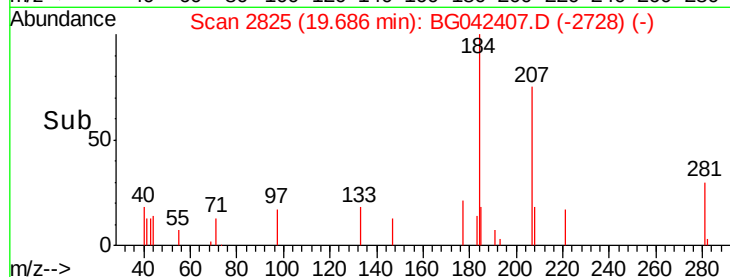
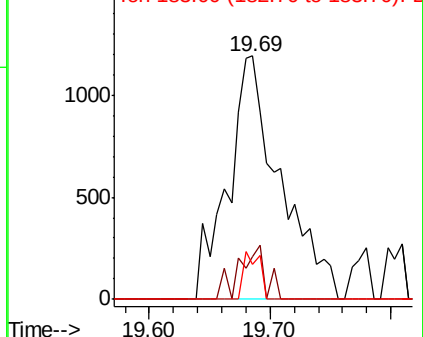
184 100

185 17.5 12.2 18.4

183 14.3 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: 0.024 ng

RT: 19.83 min Scan# 2850

Delta R.T. -0.00 min

Lab File: BG042407.D

Acq: 22 Aug 2019 18:58

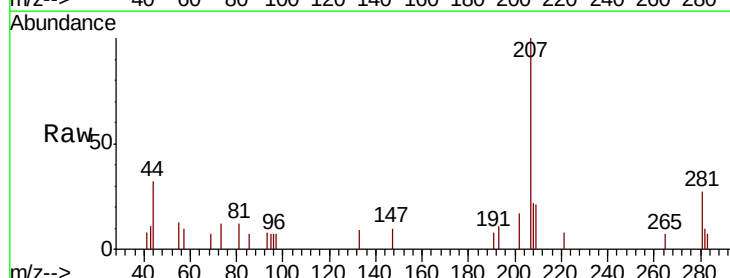
Tgt Ion:202 Resp: 588

Ion Ratio Lower Upper

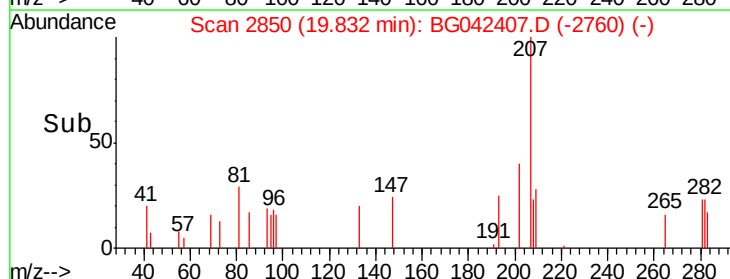
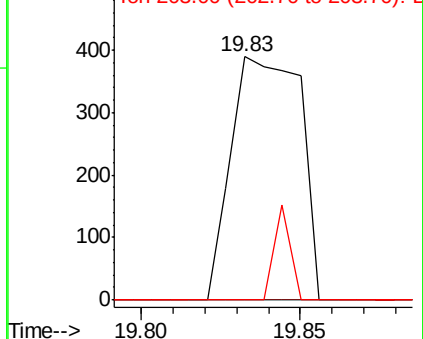
202 100

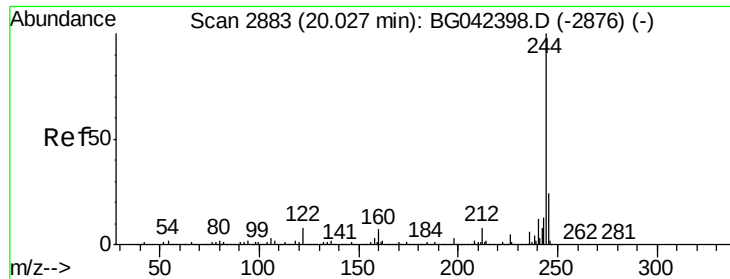
200 0.0 17.8 26.6#

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: 81.689 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.00 min

Lab File: BG042407.D

Acq: 22 Aug 2019 18:58

Instrument :

BNA_G

ClientSampled :

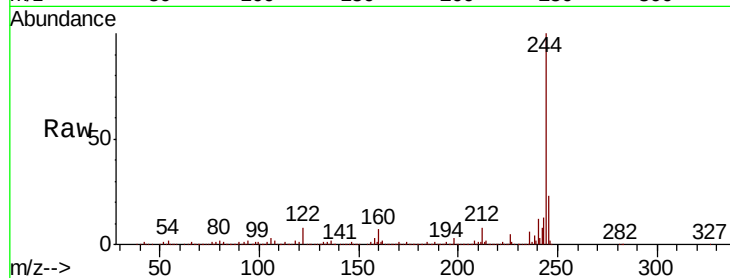
Tot Ion:244 Resp: 1482038

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

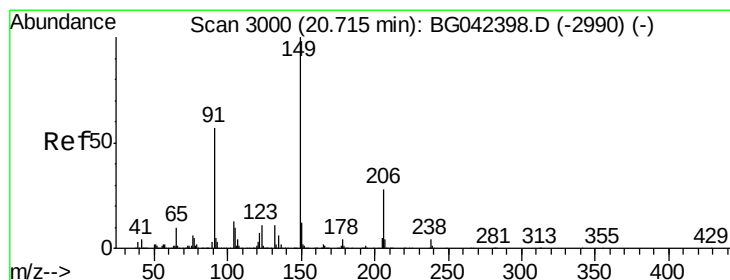
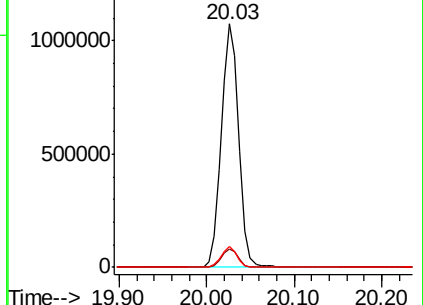
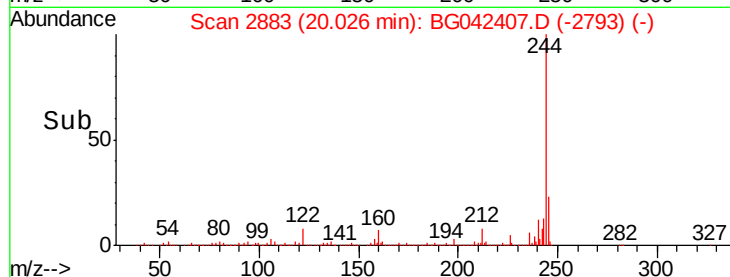
122 8.4 6.7 10.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 0.054 ng

RT: 20.70 min Scan# 2998

Delta R.T. -0.01 min

Lab File: BG042407.D

Acq: 22 Aug 2019 18:58

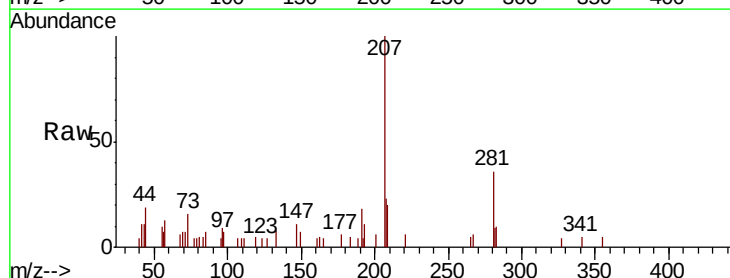
Tgt Ion:149 Resp: 515

Ion Ratio Lower Upper

149 100

91 0.0 45.9 68.9#

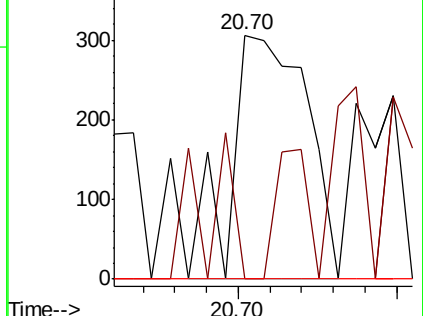
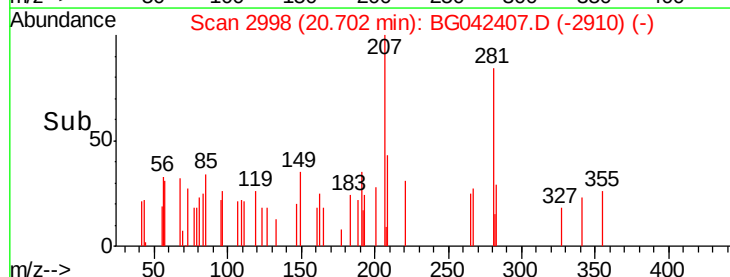
206 0.0 22.5 33.7#

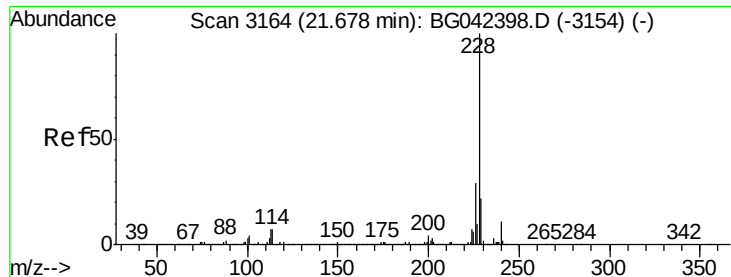


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 0.056 ng

RT: 21.70 min Scan# 3167

Delta R.T. 0.02 min

Lab File: BG042407.D

Acq: 22 Aug 2019 18:58

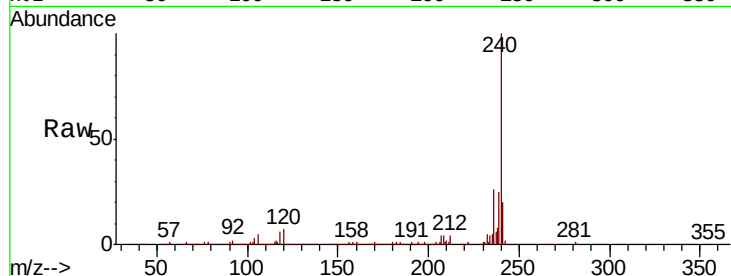
Instrument :

BNA_G

ClientSampleId :

Tot Ion:228 Resp: 1343

Ion	Ratio	Lower	Upper
228	100		
226	0.0	23.4	35.2#
229	41.3	17.4	26.2#

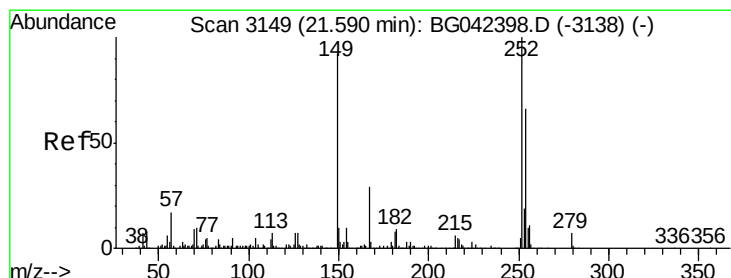
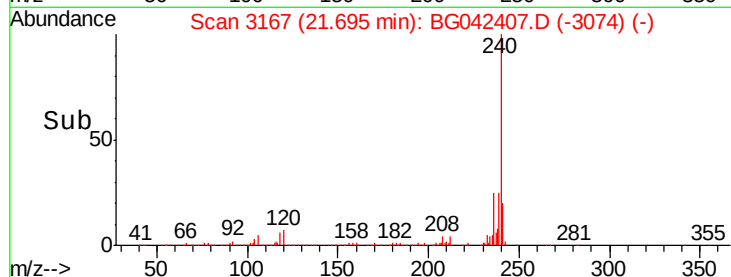
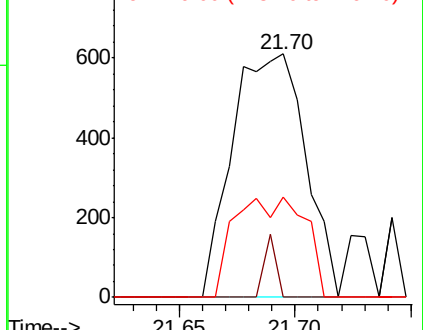


Abundance

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: 0.019 ng

RT: 21.62 min Scan# 3155

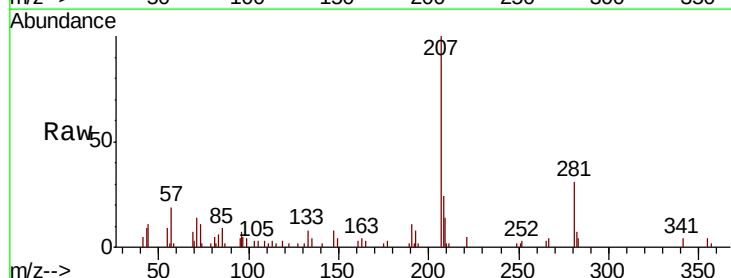
Delta R.T. 0.03 min

Lab File: BG042407.D

Acq: 22 Aug 2019 18:58

Tgt Ion:252 Resp: 183

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

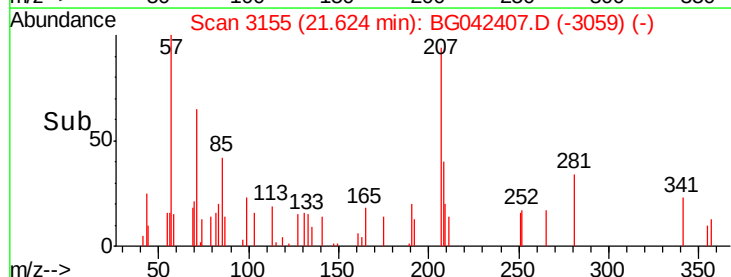
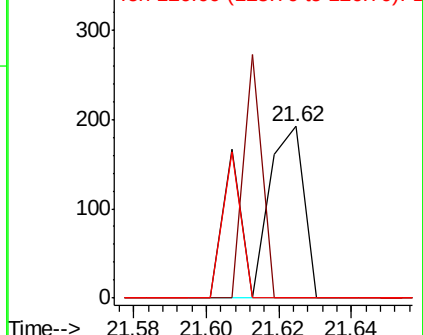


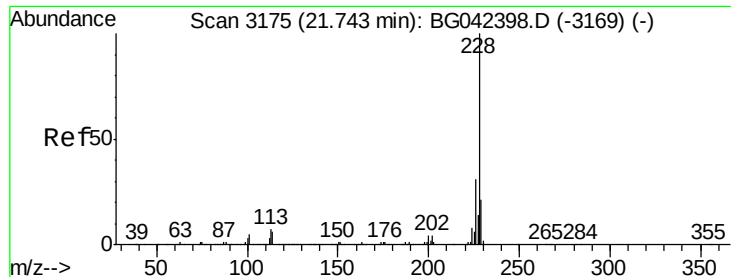
Abundance

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: 0.005 ng

RT: 21.72 min Scan# 3172

Delta R.T. -0.02 min

Lab File: BG042407.D

Acq: 22 Aug 2019 18:58

Instrument :

BNA_G

ClientSampled :

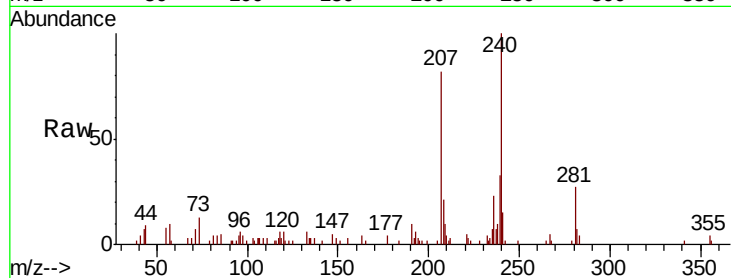
Tot Ion:228 Resp: 109

Ion Ratio Lower Upper

228 100

226 0.0 24.9 37.3#

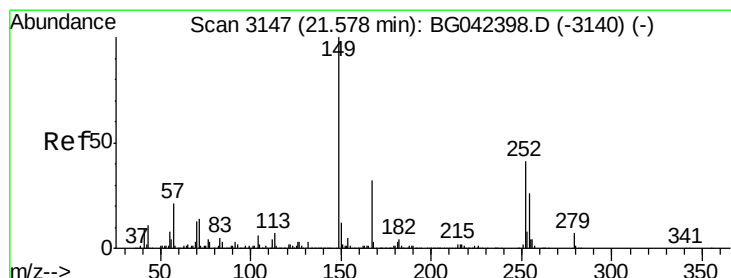
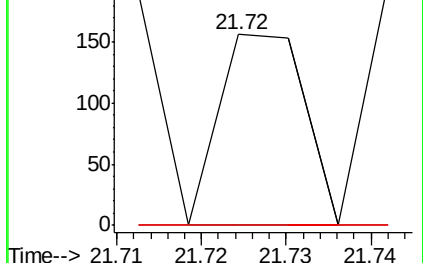
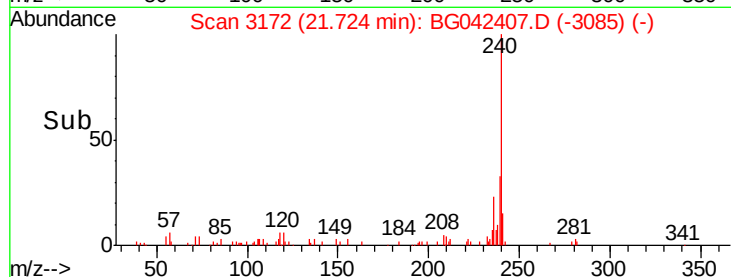
229 0.0 16.9 25.3#



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: 0.123 ng

RT: 21.58 min Scan# 3147

Delta R.T. -0.00 min

Lab File: BG042407.D

Acq: 22 Aug 2019 18:58

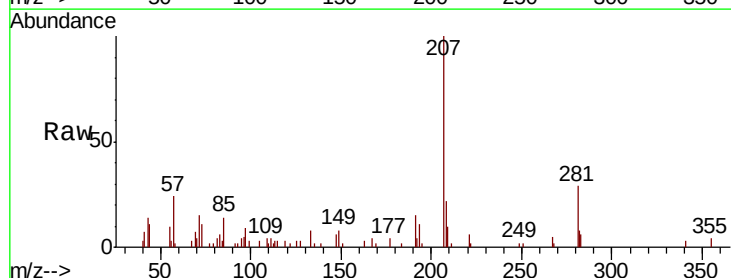
Tgt Ion:149 Resp: 1619

Ion Ratio Lower Upper

149 100

167 45.5 26.0 39.0#

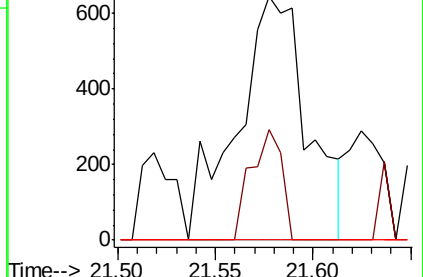
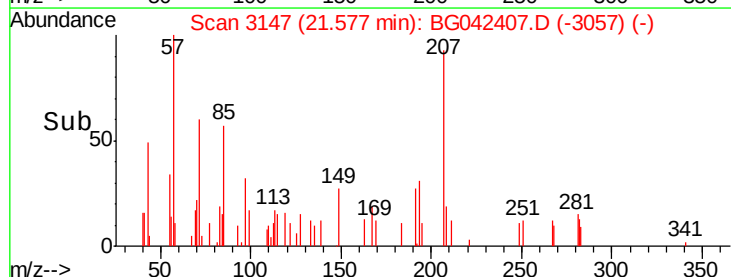
279 0.0 5.4 8.0#

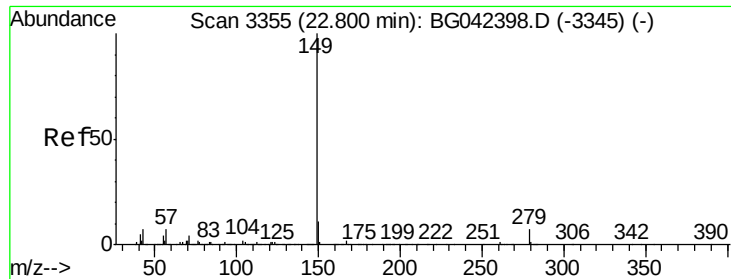


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 0.010 ng

RT: 22.83 min Scan# 3360

Delta R.T. 0.03 min

Lab File: BG042407.D

Acq: 22 Aug 2019 18:58

Instrument :

BNA_G

ClientSampleId :

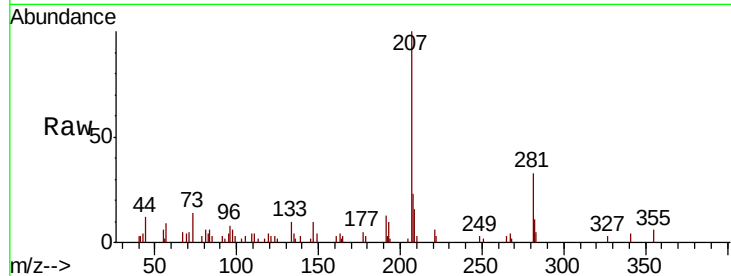
Tot Ion:149 Resp: 222

Ion Ratio Lower Upper

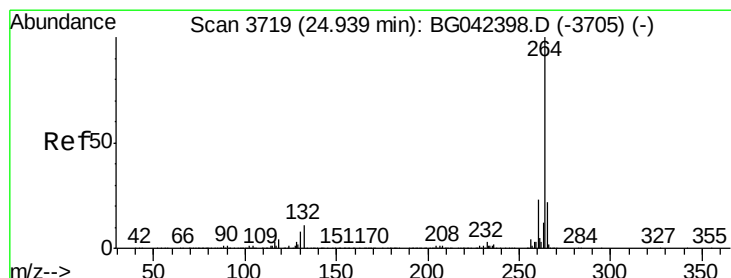
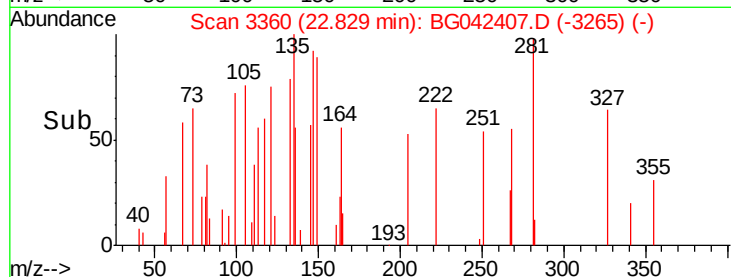
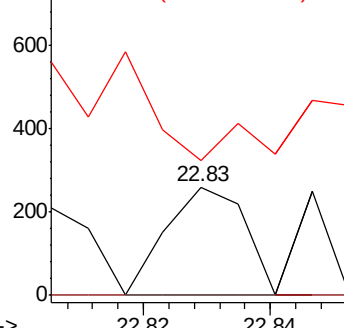
149 100

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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.94 min Scan# 3719

Delta R.T. -0.00 min

Lab File: BG042407.D

Acq: 22 Aug 2019 18:58

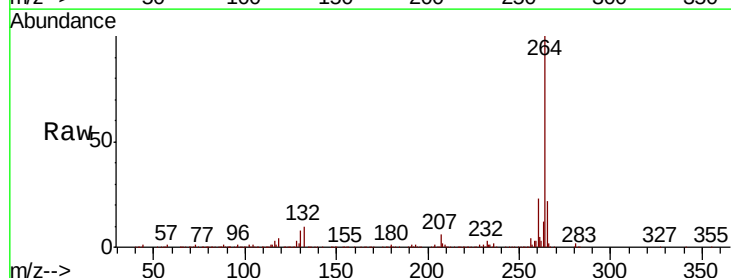
Tgt Ion:264 Resp: 451031

Ion Ratio Lower Upper

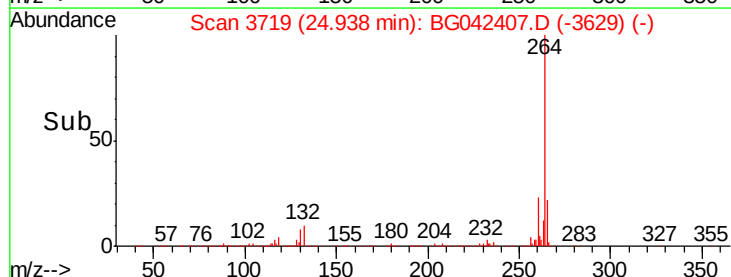
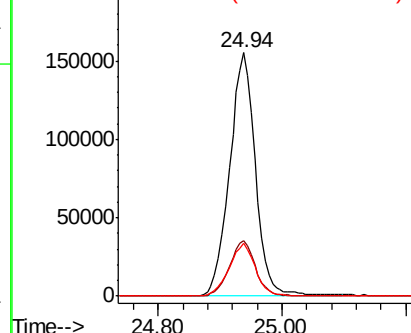
264 100

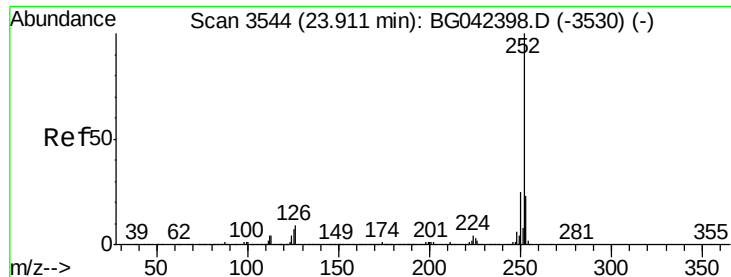
260 22.8 18.5 27.7

265 22.0 17.6 26.4



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 0.006 ng

RT: 23.91 min Scan# 3544

Delta R.T. -0.00 min

Lab File: BG042407.D

Acq: 22 Aug 2019 18:58

Instrument :

BNA_G

ClientSampled :

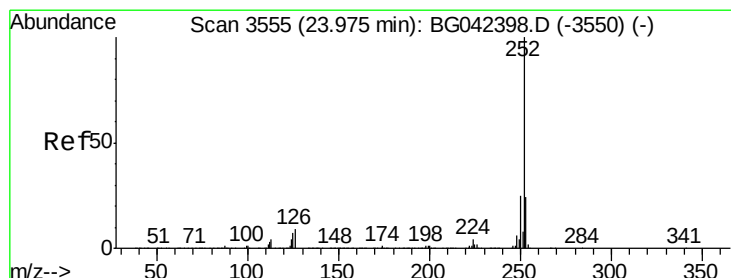
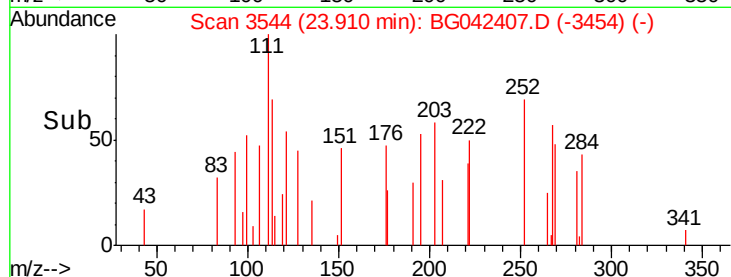
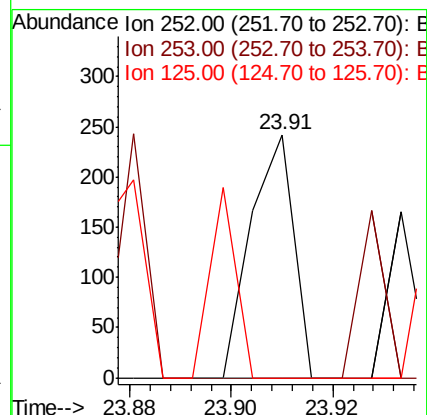
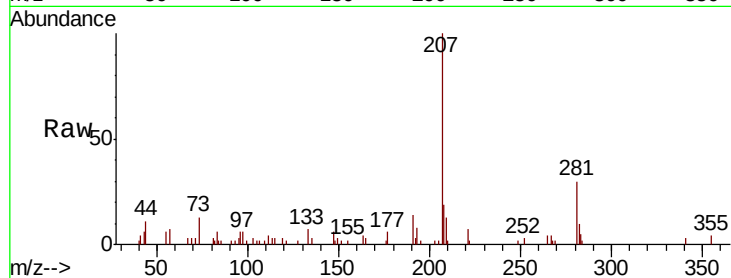
Tot Ion:252 Resp: 144

Ion Ratio Lower Upper

252 100

253 0.0 18.6 27.8#

125 0.0 5.6 8.4#



#89

Benzo(k)fluoranthene

Concen: 0.002 ng

RT: 23.97 min Scan# 3555

Delta R.T. -0.00 min

Lab File: BG042407.D

Acq: 22 Aug 2019 18:58

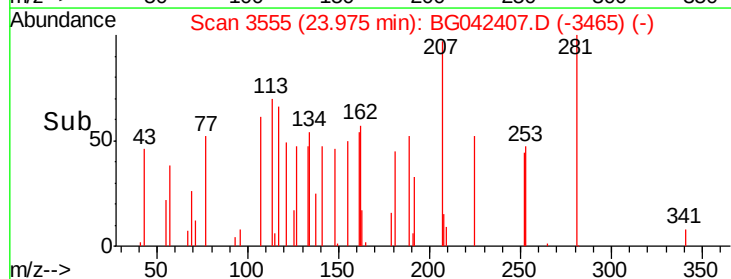
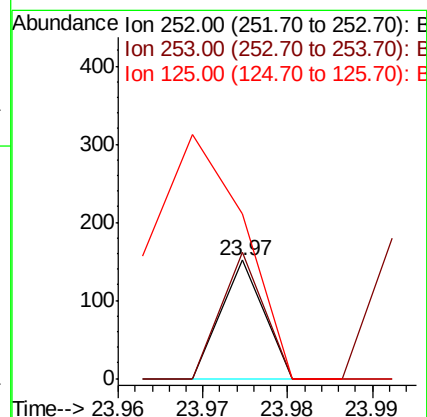
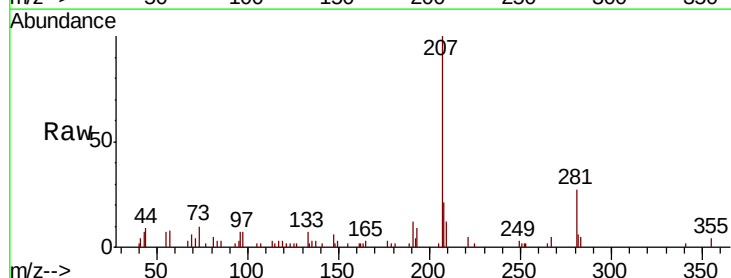
Tgt Ion:252 Resp: 53

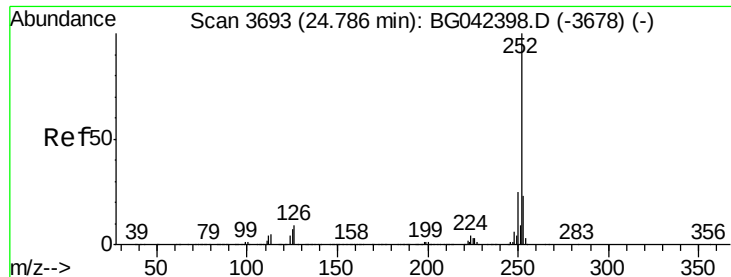
Ion Ratio Lower Upper

252 100

253 107.3 18.6 27.8#

125 139.1 5.8 8.6#





#90

Benzo(a)pyrene

Concen: 0.002 ng

RT: 24.74 min Scan# 3685

Delta R.T. -0.05 min

Lab File: BG042407.D

Acq: 22 Aug 2019 18:58

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 252 Resp: 56

Ion Ratio Lower Upper

252 100

253 0.0 18.4 27.6#

125 0.0 6.0 9.0#

