

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081919\
 Data File : BG042337.D
 Acq On : 19 Aug 2019 21:48
 Operator : HP/JU
 Sample : K4237-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 20 04:25:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG081919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 13:40:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	63092	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	245866	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	182827	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	406051	20.00	ng	0.00
76) Chrysene-d12	21.69	240	414263	20.00	ng	0.00
87) Perylene-d12	24.93	264	490633	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	409307	131.44	ng	0.00
7) Phenol-d6	7.18	99	571716	135.18	ng	0.01
23) Nitrobenzene-d5	9.18	82	314555	89.98	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	286271	114.97	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	718238	66.48	ng	0.00
79) Terphenyl-d14	20.03	244	1114051	58.90	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.43	88	366	0.273	ng	# 60
4) n-Nitrosodimethylamine	3.75	42	277	0.234	ng	# 1
6) Aniline	7.54	93	677	0.121	ng	# 1
8) 2-Chlorophenol	7.57	128	61	0.016	ng	# 1
9) Benzaldehyde	7.17	77	827	0.348	ng	# 1
10) Phenol	7.20	94	5783	1.345	ng	# 68
11) bis(2-Chloroethyl)ether	7.54	93	677	0.199	ng	# 1
15) Benzyl Alcohol	8.33	79	4361	1.499	ng	# 38
19) n-Nitroso-di-n-propylamine	9.18	70	40993	15.070	ng	# 75
24) Nitrobenzene	9.18	77	927	0.260	ng	# 23
25) Isophorone	9.49	82	188	0.027	ng	# 59
46) 1,1'-Biphenyl	13.50	154	871	0.073	ng	# 91
48) 2-Nitroaniline	14.11	65	1155	0.481	ng	# 1
49) Acenaphthylene	14.39	152	165	0.011	ng	# 59
50) Dimethylphthalate	14.11	163	201413	15.504	ng	# 98
51) 2,6-Dinitrotoluene	14.11	165	2248	0.739	ng	# 27
52) Acenaphthene	14.67	154	608	0.065	ng	# 5
57) 2,4-Dinitrotoluene	14.66	165	23524	5.534	ng	# 39
58) Fluorene	16.16	166	10294	0.833	ng	# 92
60) Diethylphthalate	15.47	149	282	0.022	ng	# 55
63) Azobenzene	16.16	77	920	0.105	ng	# 1
65) 4,6-Dinitro-2-methylphenol	16.16	198	573	0.231	ng	# 1
66) n-Nitrosodiphenylamine	16.16	169	8301	0.731	ng	# 47
67) 4-Bromophenyl-phenylether	16.16	248	19721	3.816	ng	# 1
71) Phenanthrene	17.45	178	4246	0.210	ng	# 96
72) Anthracene	17.55	178	599	0.030	ng	# 59
73) Carbazole	17.85	167	295	0.016	ng	# 57
74) Di-n-butylphthalate	18.38	149	1444	0.069	ng	# 76
75) Fluoranthene	19.47	202	12876	0.528	ng	# 93
77) Benzidine	20.03	184	14197	1.293	ng	# 92
78) Pyrene	19.83	202	11432	0.448	ng	# 97
80) Butylbenzylphthalate	20.70	149	133	0.013	ng	# 1
81) Benzo(a)anthracene	21.74	228	6297	0.248	ng	# 96
82) 3,3'-Dichlorobenzidine	21.63	252	122	0.012	ng	# 23

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 QLast Update : Mon Aug 19 13:40:37 2019
 Response via : Initial Calibration

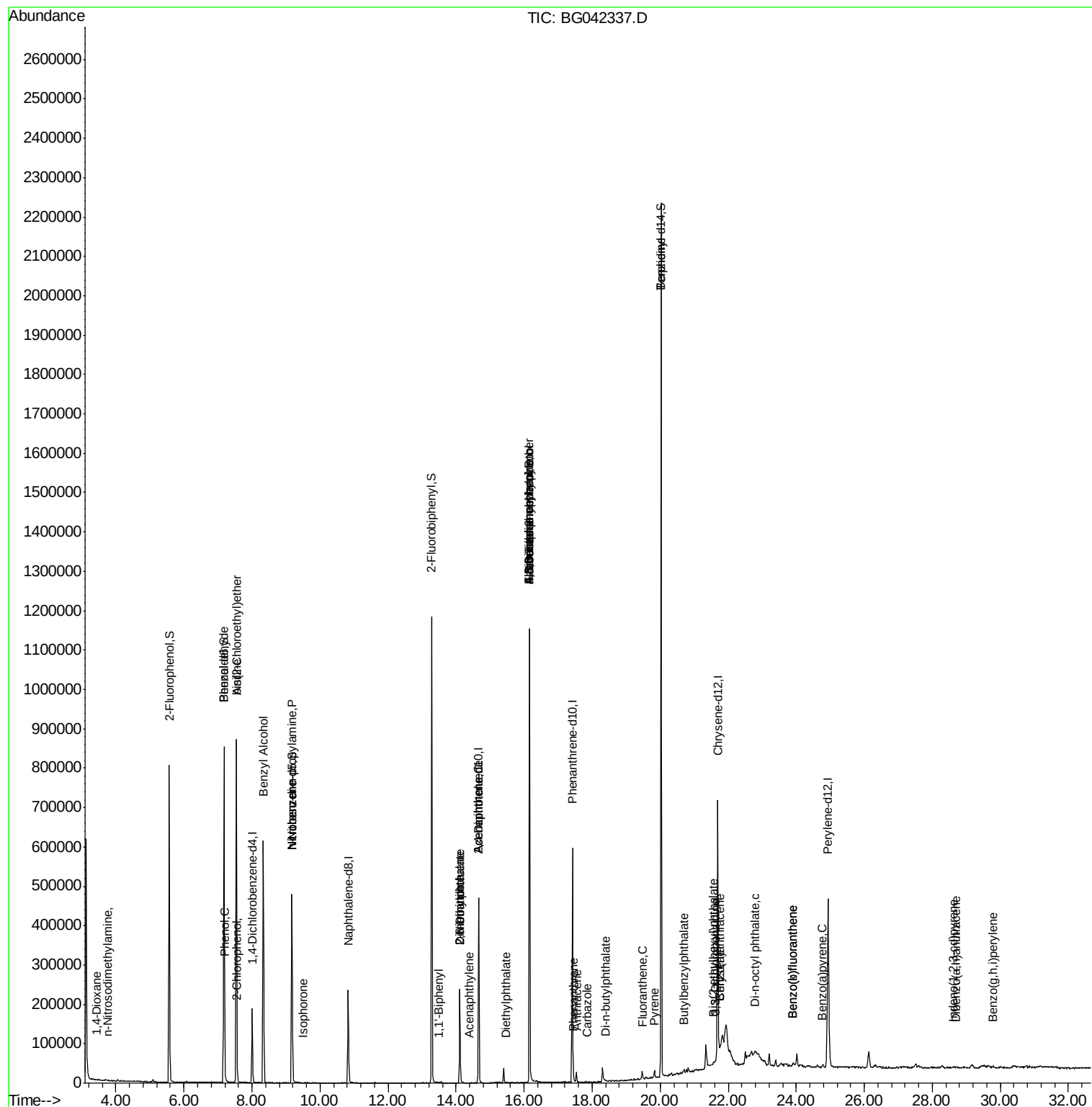
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) Chrysene	21.74	228	6297	0.259	nq	99
84) Bis(2-ethylhexyl)phthalate	21.58	149	2597	0.184	nq	# 86
85) Di-n-octyl phthalate	22.78	149	90	0.004	nq	# 1
86) Indeno(1,2,3-cd)pyrene	28.63	276	3180	0.098	nq	# 84
88) Benzo(b)fluoranthene	23.90	252	10855	0.403	nq	# 87
89) Benzo(k)fluoranthene	23.90	252	10855	0.412	nq	# 87
90) Benzo(a)pyrene	24.77	252	7344	0.284	nq	# 80
91) Dibenzo(a,h)anthracene	28.68	278	428	0.017	nq	# 44
92) Benzo(a,h,i)perylene	29.77	276	3429	0.133	nq	99

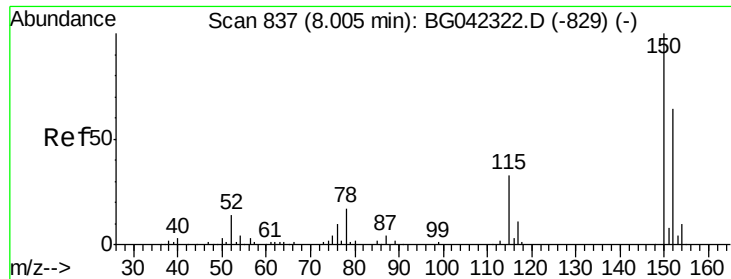
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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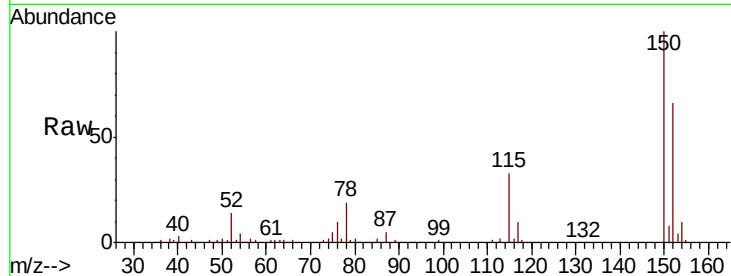


#1

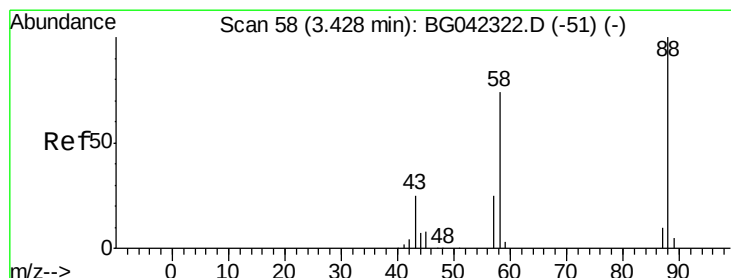
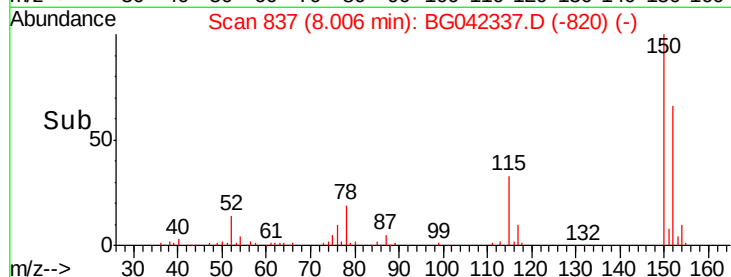
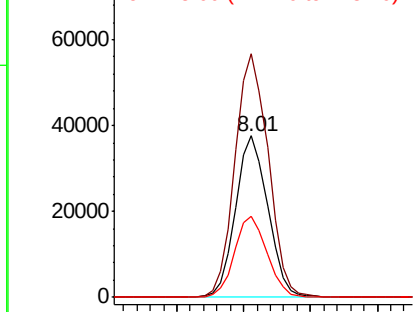
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. 0.00 min
Lab File: BG042337.D
Acq: 19 Aug 2019 21:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 63092
Ion Ratio Lower Upper
152 100
150 151.0 124.3 186.5
115 50.4 40.5 60.7



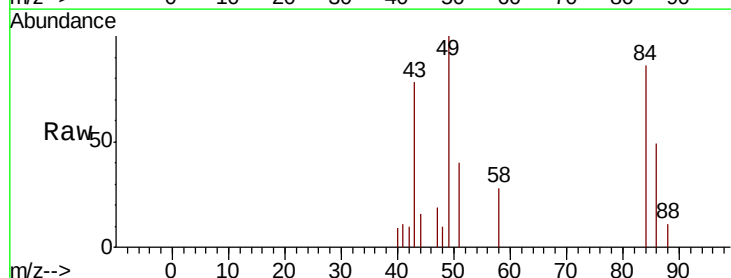
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



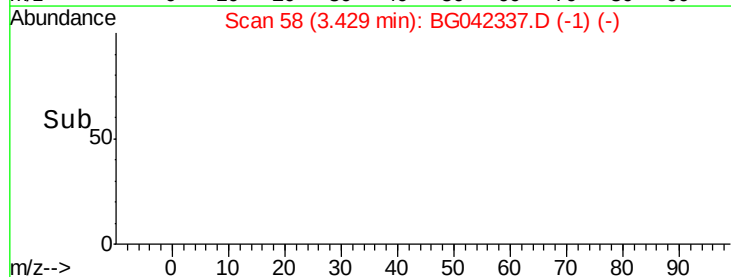
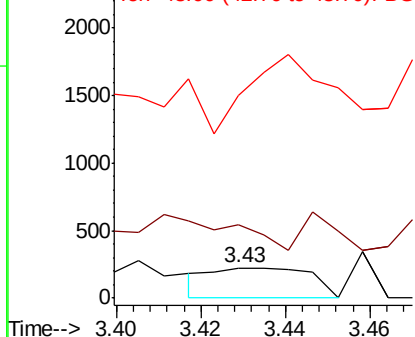
#2

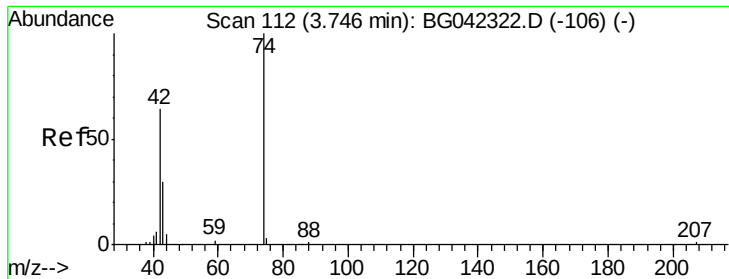
1,4-Dioxane
Concen: 0.273 ng
RT: 3.43 min Scan# 58
Delta R.T. 0.00 min
Lab File: BG042337.D
Acq: 19 Aug 2019 21:48

Tgt Ion: 88 Resp: 366
Ion Ratio Lower Upper
88 100
58 42.1 58.6 88.0#
43 0.0 19.4 29.0#



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



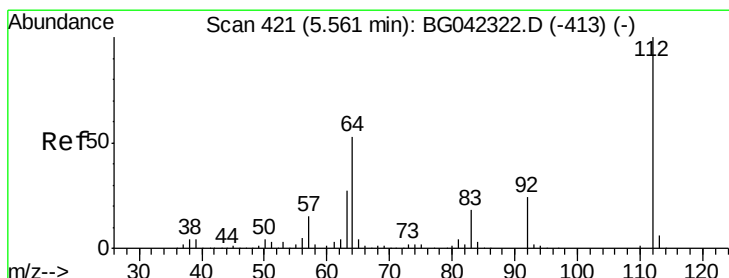
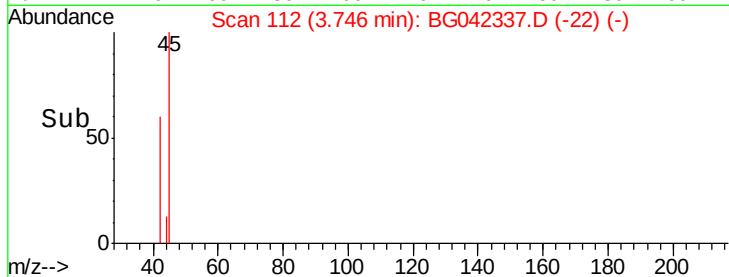
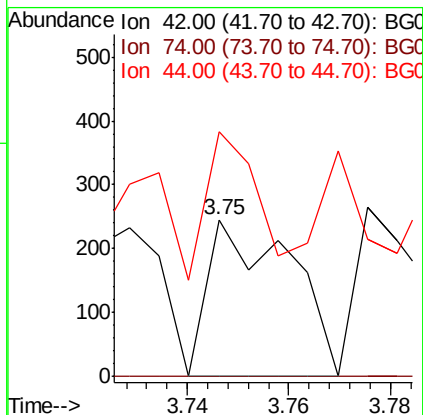
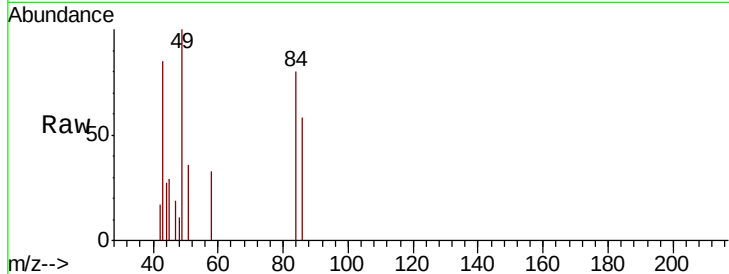


#4

n-Nitrosodimethylamine
 Concen: 0.234 ng
 RT: 3.75 min Scan# 112
 Delta R.T. 0.00 min
 Lab File: BG042337.D
 Acq: 19 Aug 2019 21:48

Instrument :
 BNA_G
 ClientSampled :

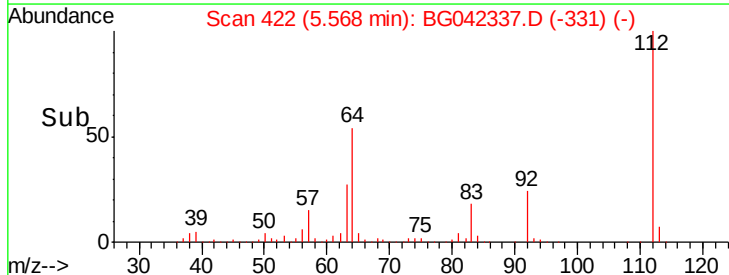
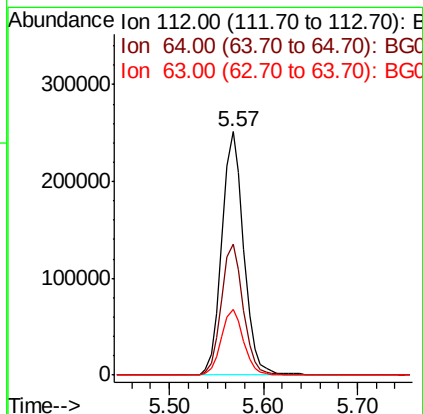
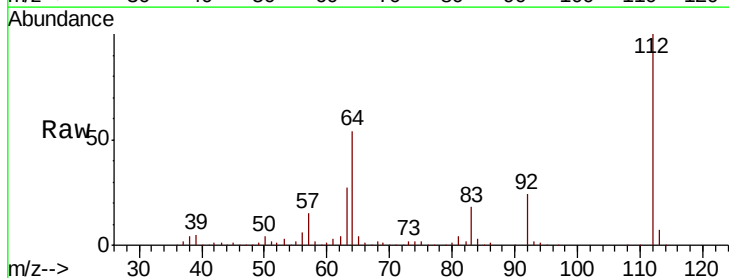
Tot Ion: 42 Resp: 277
 Ion Ratio Lower Upper
 42 100
 74 0.0 124.2 186.2#
 44 156.3 6.5 9.7#

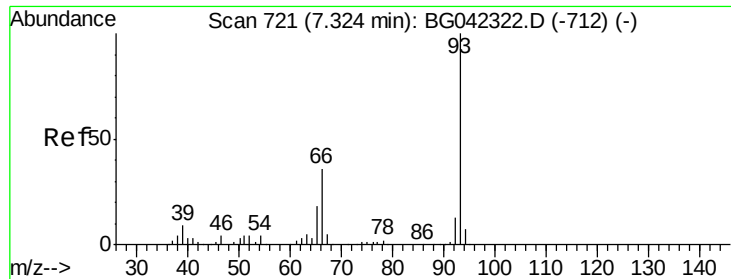


#5

2-Fluorophenol
 Concen: 131.442 ng
 RT: 5.57 min Scan# 422
 Delta R.T. 0.01 min
 Lab File: BG042337.D
 Acq: 19 Aug 2019 21:48

Tgt Ion: 112 Resp: 409307
 Ion Ratio Lower Upper
 112 100
 64 53.7 42.5 63.7
 63 27.1 21.7 32.5





#6

Aniline

Concen: 0.121 ng

RT: 7.54 min Scan# 757

Delta R.T. 0.21 min

Lab File: BG042337.D

Acq: 19 Aug 2019 21:48

Instrument :

BNA_G

ClientSampleId :

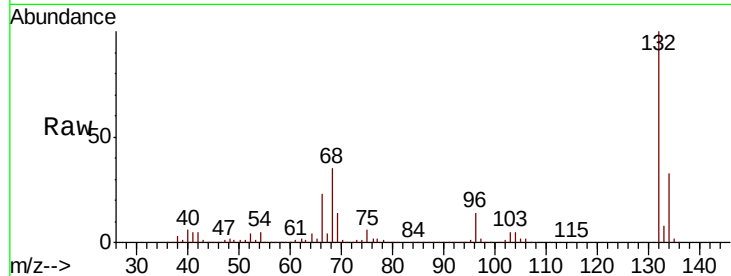
Tot Ion: 93 Resp: 677

Ion Ratio Lower Upper

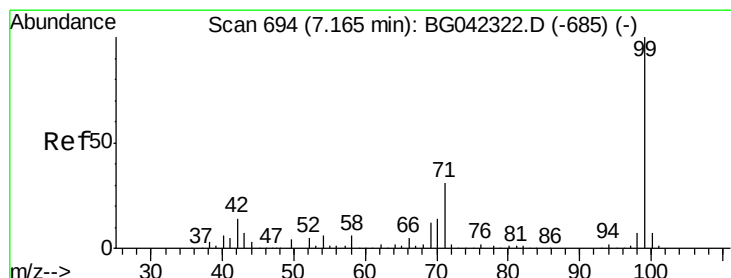
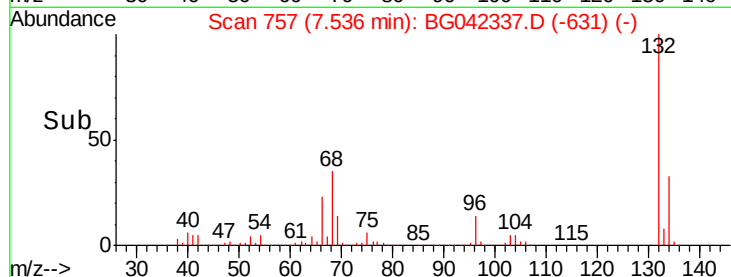
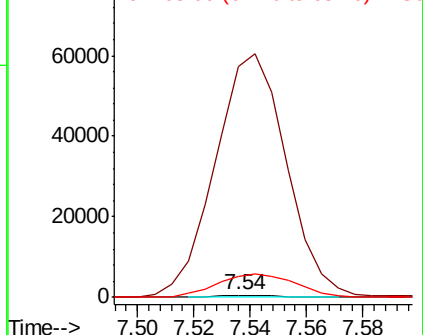
93 100

66 13824.2 29.1 43.7#

65 1218.1 14.7 22.1#



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: 135.185 ng

RT: 7.18 min Scan# 696

Delta R.T. 0.01 min

Lab File: BG042337.D

Acq: 19 Aug 2019 21:48

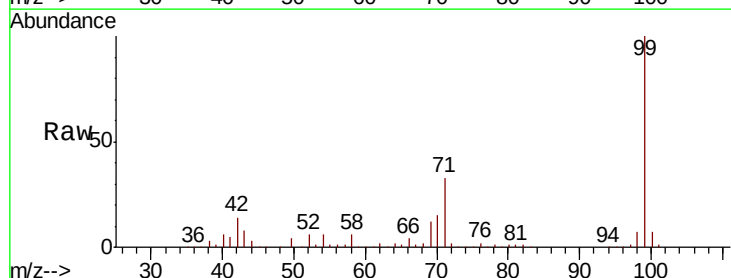
Tgt Ion: 99 Resp: 571716

Ion Ratio Lower Upper

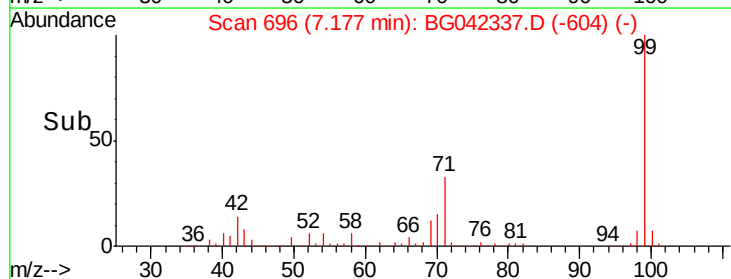
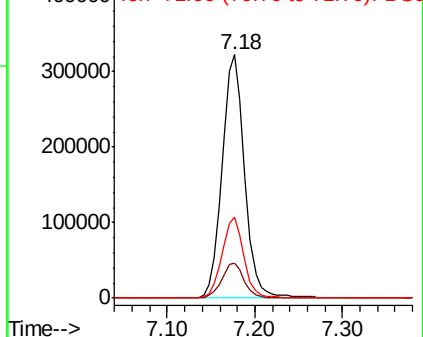
99 100

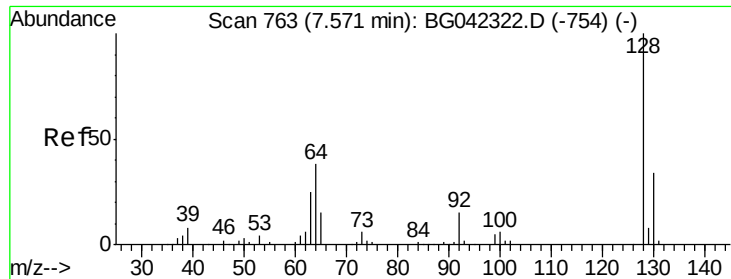
42 14.1 11.4 17.0

71 33.2 25.1 37.7



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





#8

2-Chlorophenol

Concen: 0.016 ng

RT: 7.57 min Scan# 763

Delta R.T. 0.00 min

Lab File: BG042337.D

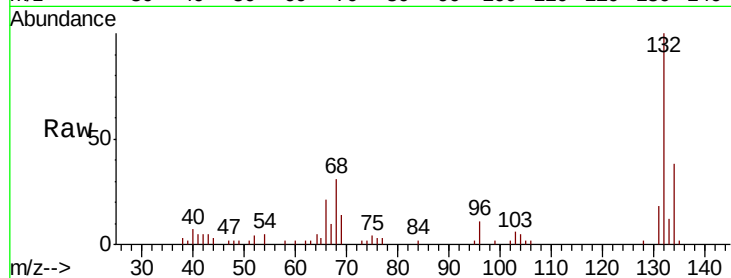
Acq: 19 Aug 2019 21:48

Instrument :

BNA_G

ClientSampleId :

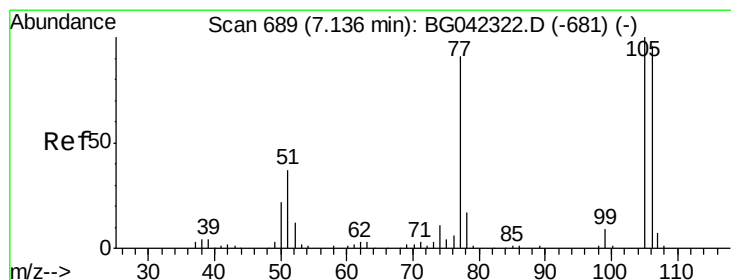
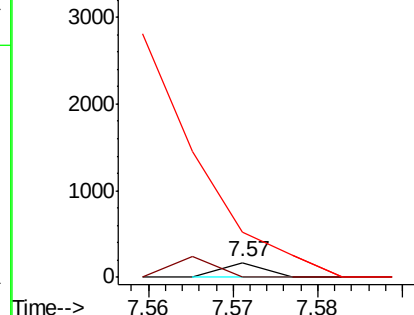
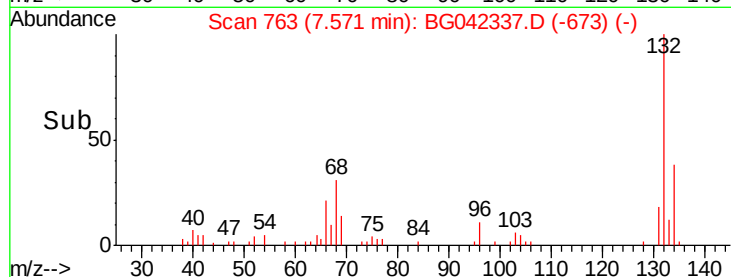
Tot Ion:	128	Resp:	61
Ion	Ratio	Lower	Upper
128	100		
130	0.0	13.5	53.5#
64	307.6	19.8	59.8#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BGC



#9

Benzaldehyde

Concen: 0.348 ng

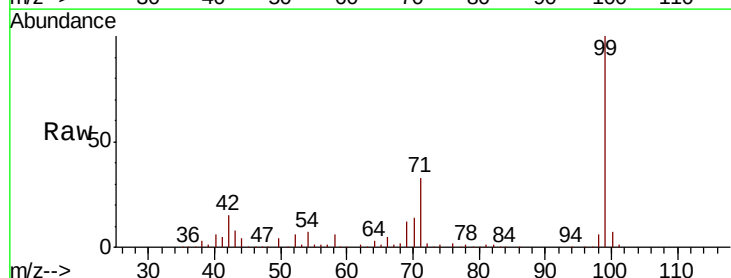
RT: 7.17 min Scan# 695

Delta R.T. 0.04 min

Lab File: BG042337.D

Acq: 19 Aug 2019 21:48

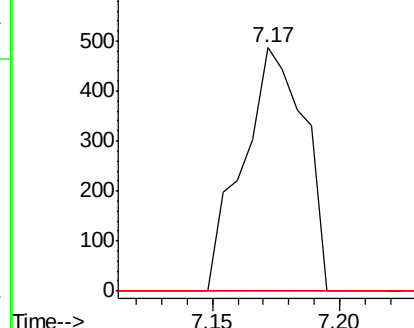
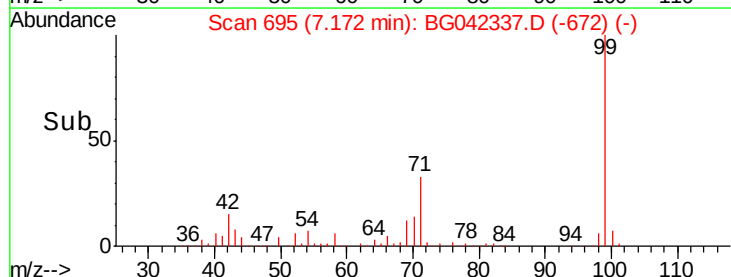
Tgt Ion:	77	Resp:	827
Ion	Ratio	Lower	Upper
77	100		
105	0.0	89.8	129.8#
106	0.0	85.1	125.1#

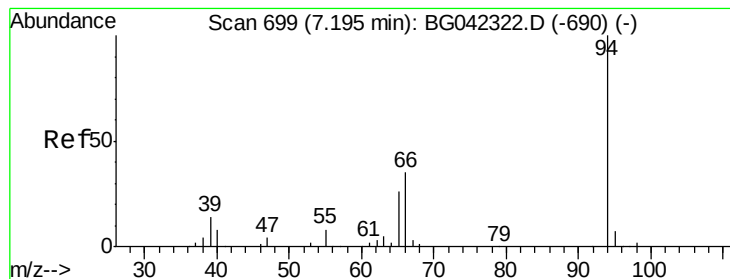


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 1.345 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.01 min

Lab File: BG042337.D

Acq: 19 Aug 2019 21:48

Instrument :

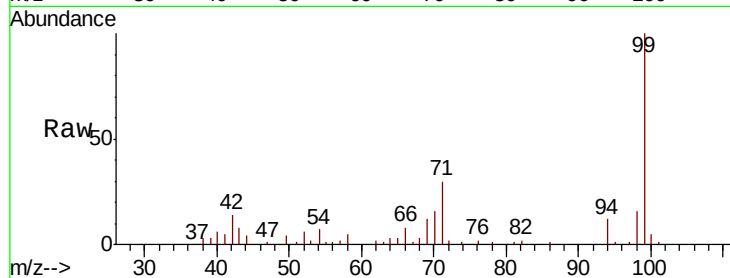
BNA_G

ClientSampled :

Tot Ion: 94 Resp: 5783

Ion Ratio Lower Upper

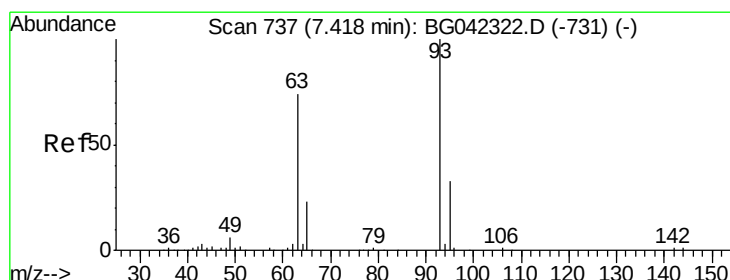
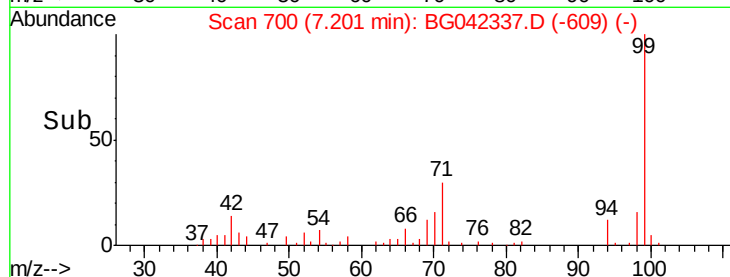
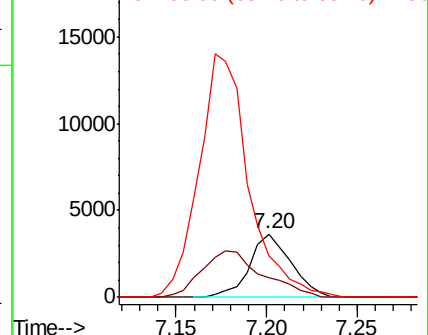
94	100		
65	29.8	6.1	46.1
66	65.3	15.7	55.7#



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: 0.199 ng

RT: 7.54 min Scan# 757

Delta R.T. 0.12 min

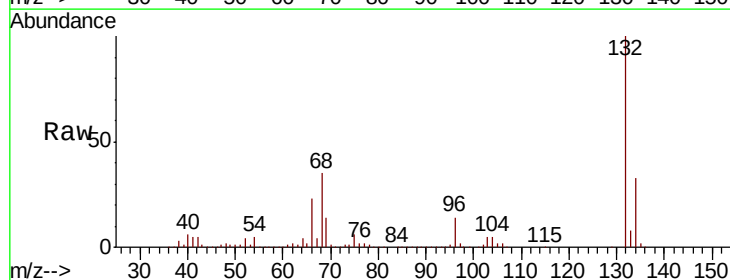
Lab File: BG042337.D

Acq: 19 Aug 2019 21:48

Tgt Ion: 93 Resp: 677

Ion Ratio Lower Upper

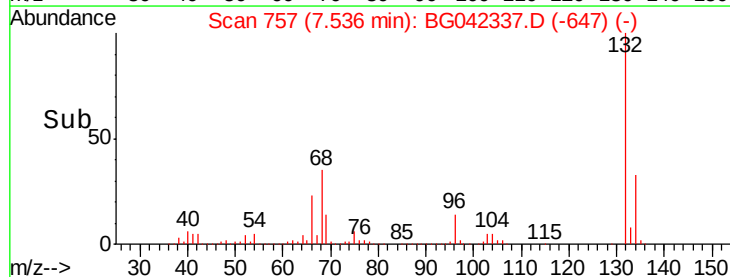
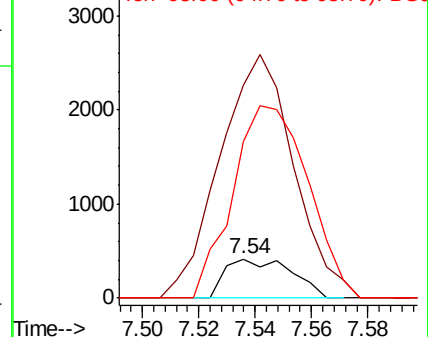
93	100		
63	547.1	53.0	93.0#
95	402.2	13.0	53.0#

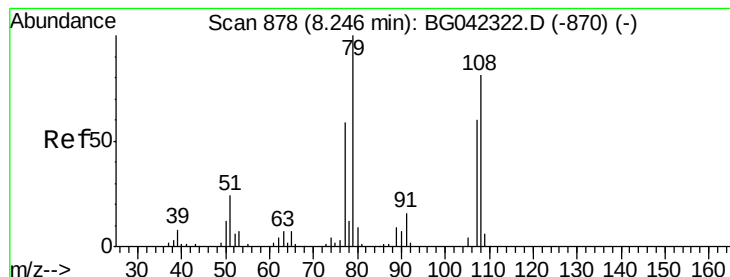


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 95.00 (94.70 to 95.70): BGC





#15

Benzyl Alcohol

Concen: 1.499 ng

RT: 8.33 min Scan# 892

Delta R.T. 0.08 min

Lab File: BG042337.D

Acq: 19 Aug 2019 21:48

Instrument :

BNA_G

ClientSampleId :

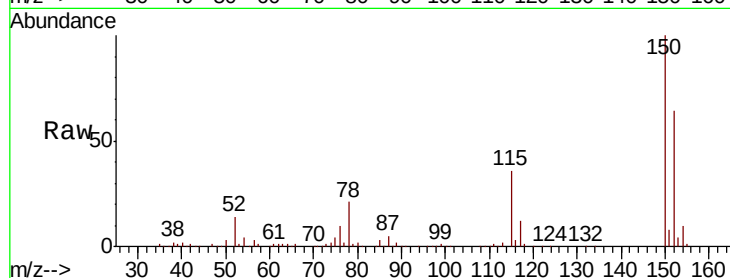
Tot Ion: 79 Resp: 4361

Ion Ratio Lower Upper

79 100

108 26.8 64.8 97.2#

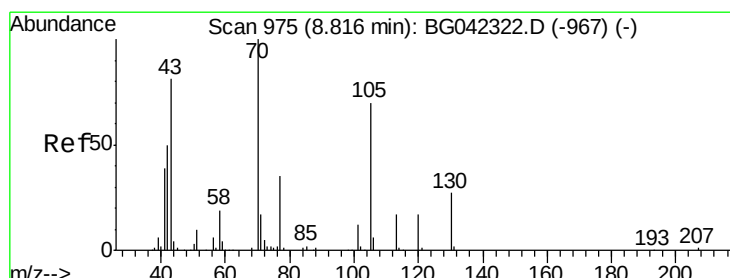
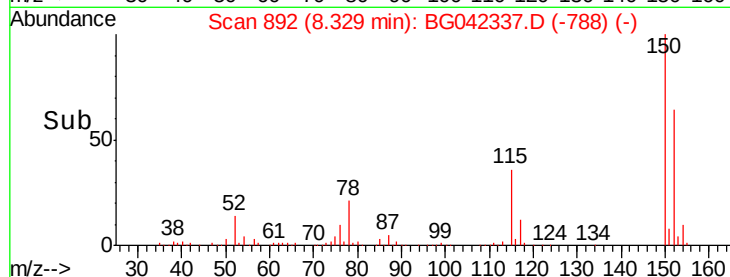
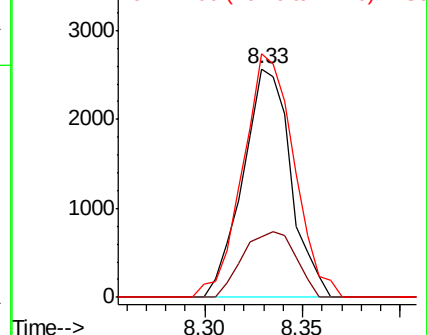
77 106.7 47.6 71.4#



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: 15.070 ng

RT: 9.18 min Scan# 1036

Delta R.T. 0.36 min

Lab File: BG042337.D

Acq: 19 Aug 2019 21:48

Tgt Ion: 70 Resp: 40993

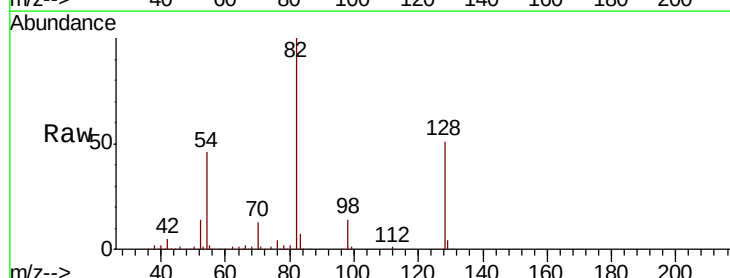
Ion Ratio Lower Upper

70 100

42 41.8 40.5 60.7

101 0.0 9.3 13.9#

130 2.9 22.0 33.0#

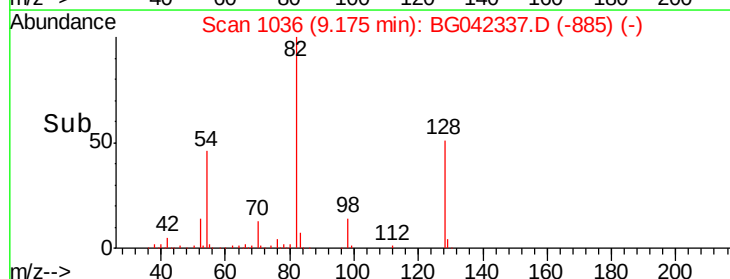
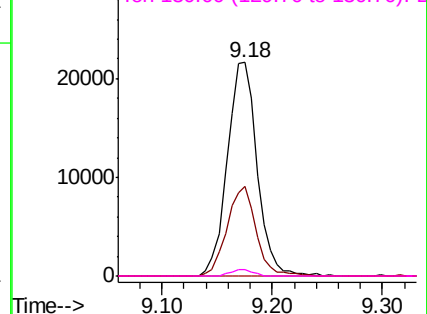


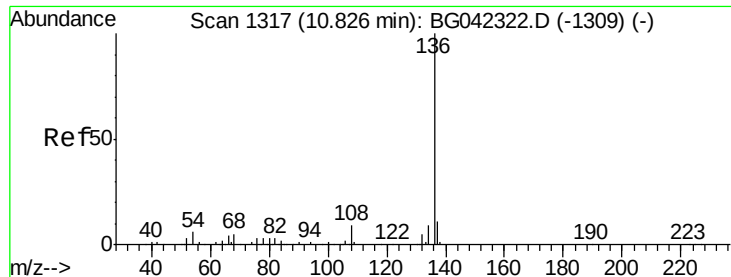
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BG042337.D

Acq: 19 Aug 2019 21:48

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 245866

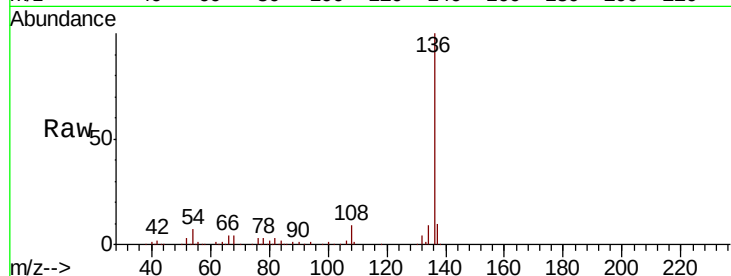
Ion Ratio Lower Upper

136 100

137 10.4 8.4 12.6

54 6.8 5.0 7.4

68 4.4 3.8 5.8

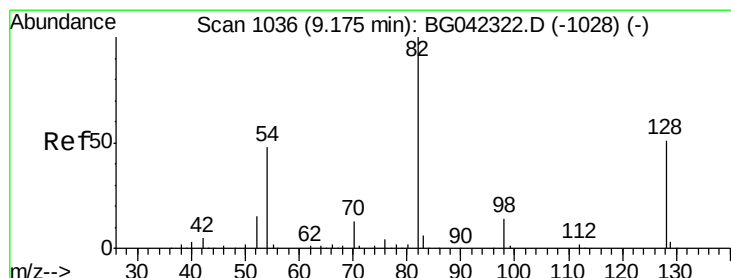
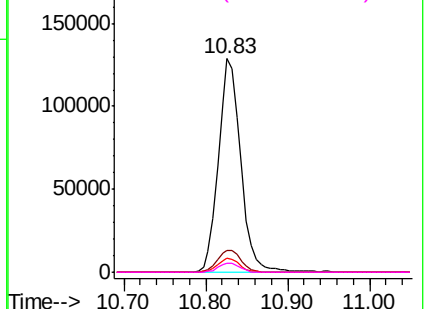
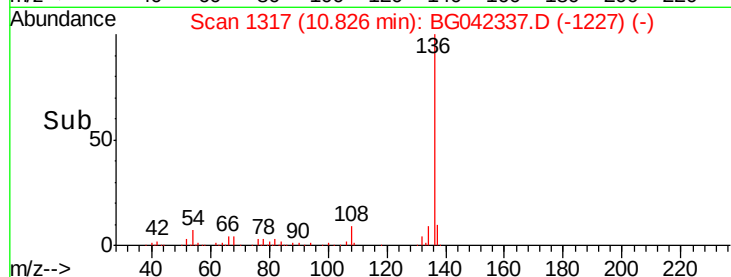


Abundance Ion 136.00 (135.70 to 136.70): E

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: 89.982 ng

RT: 9.18 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BG042337.D

Acq: 19 Aug 2019 21:48

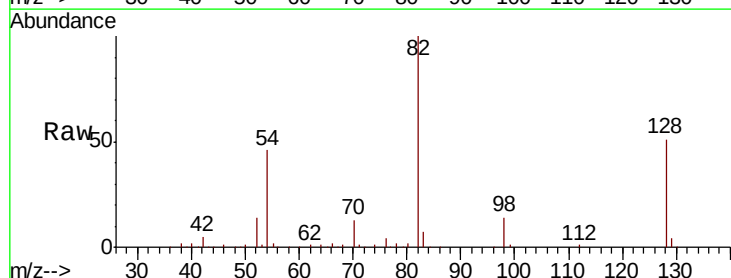
Tgt Ion: 82 Resp: 314555

Ion Ratio Lower Upper

82 100

128 50.8 41.0 61.4

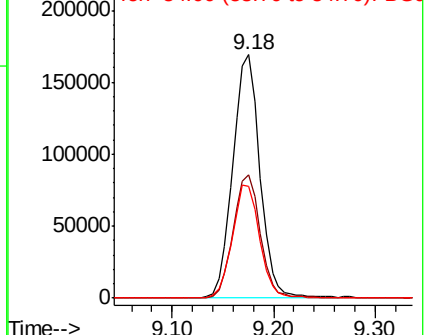
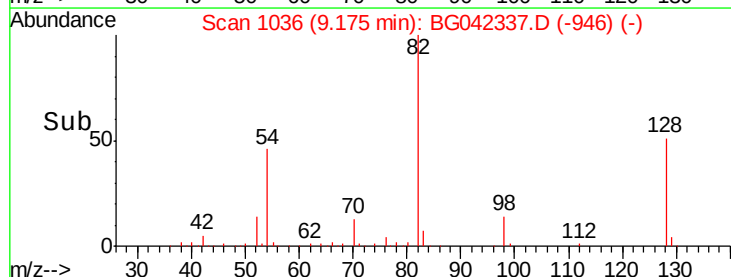
54 46.0 38.0 57.0

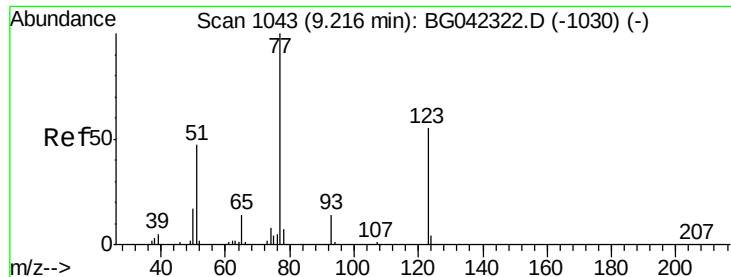


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#24

Nitrobenzene

Concen: 0.260 ng

RT: 9.18 min Scan# 1036

Delta R.T. -0.04 min

Lab File: BG042337.D

Acq: 19 Aug 2019 21:48

Instrument :

BNA_G

ClientSampled :

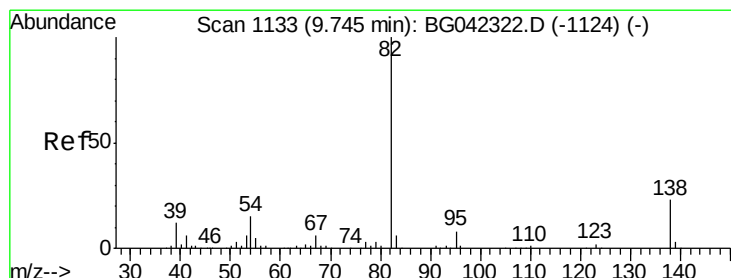
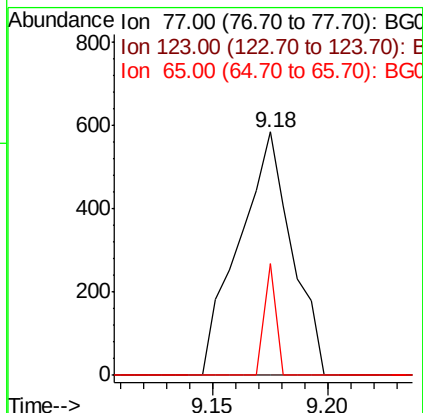
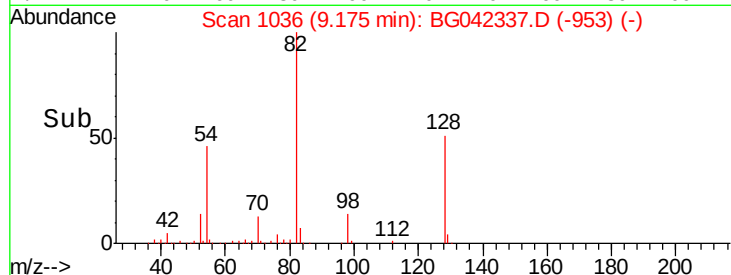
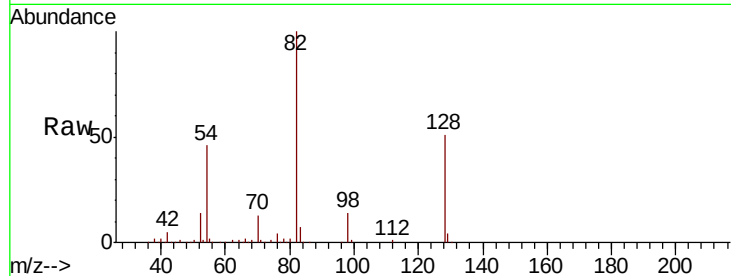
Tot Ion: 77 Resp: 927

Ion Ratio Lower Upper

77 100

123 0.0 43.7 65.5#

65 46.1 10.9 16.3#



#25

Isophorone

Concen: 0.027 ng

RT: 9.49 min Scan# 1090

Delta R.T. -0.25 min

Lab File: BG042337.D

Acq: 19 Aug 2019 21:48

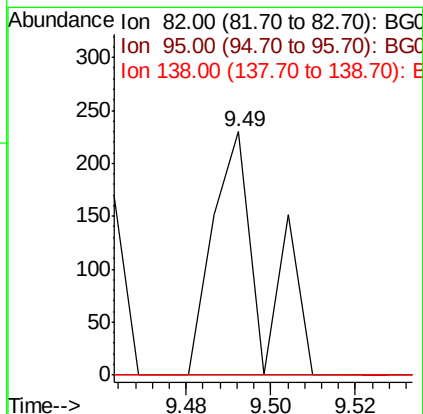
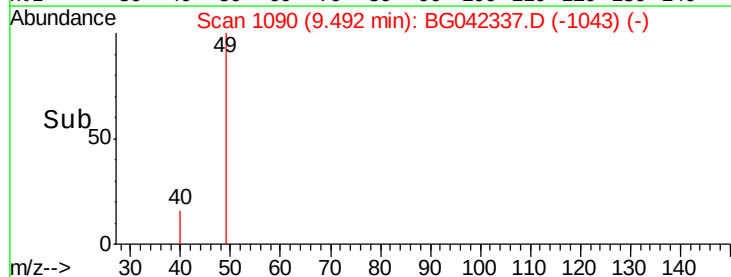
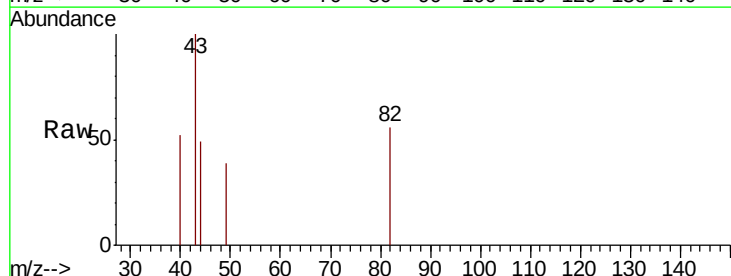
Tgt Ion: 82 Resp: 188

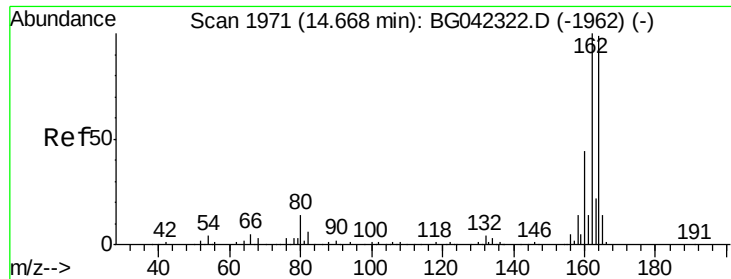
Ion Ratio Lower Upper

82 100

95 0.0 6.1 9.1#

138 0.0 18.2 27.2#

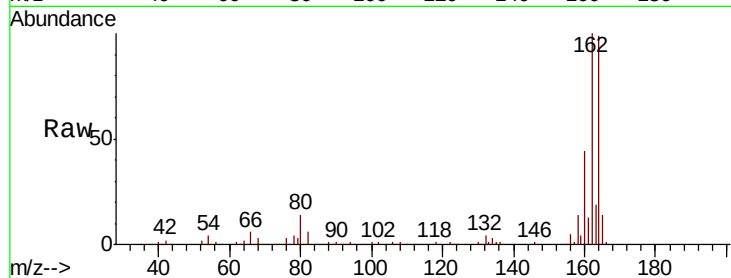




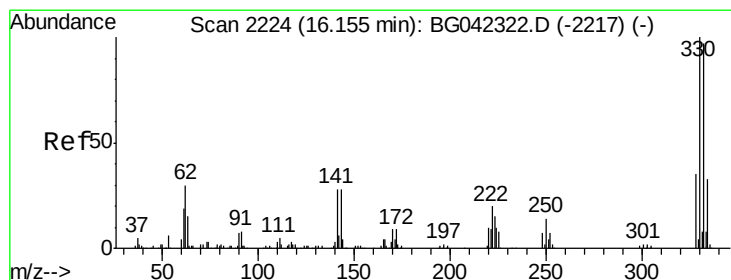
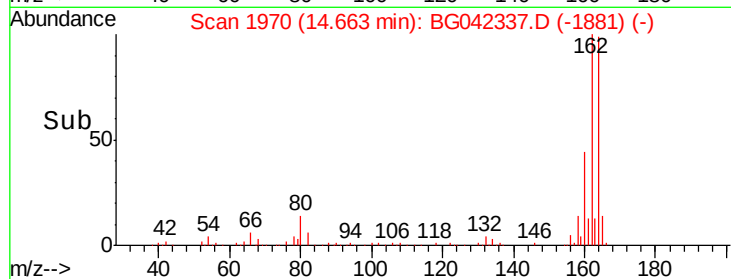
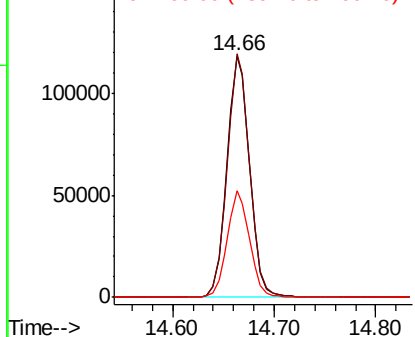
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BG042337.D
Acq: 19 Aug 2019 21:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.6	120.8
160	44.2	35.7	53.5

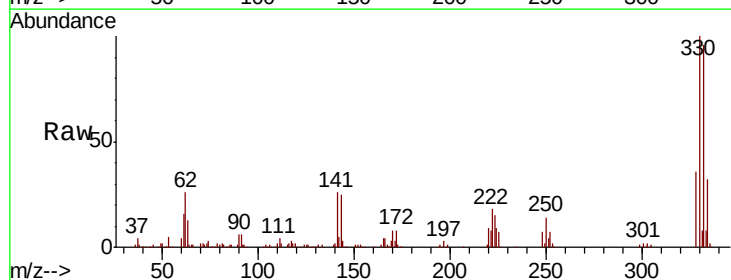


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

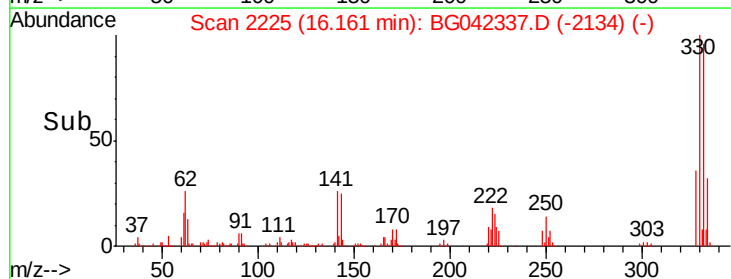
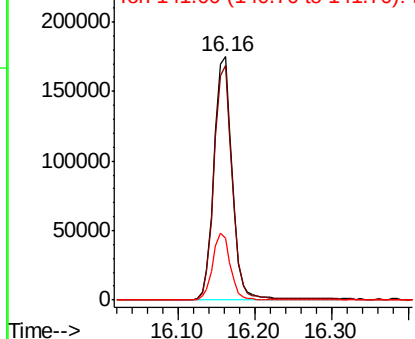


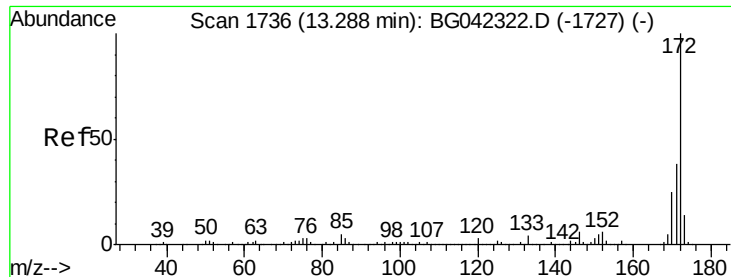
#42
2,4,6-Tribromophenol
Concen: 114.965 ng
RT: 16.16 min Scan# 2225
Delta R.T. 0.01 min
Lab File: BG042337.D
Acq: 19 Aug 2019 21:48

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.3	76.9	115.3
141	26.9	21.8	32.6



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

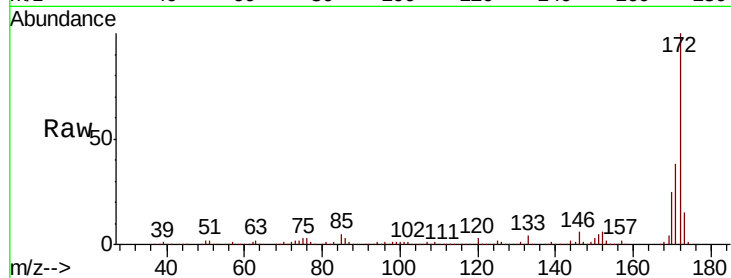




#45
2-Fluorobiphenyl
Concen: 66.477 ng
RT: 13.28 min Scan# 1735
Delta R.T. -0.01 min
Lab File: BG042337.D
Acq: 19 Aug 2019 21:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.6	30.3	45.5
170	24.6	20.0	30.0

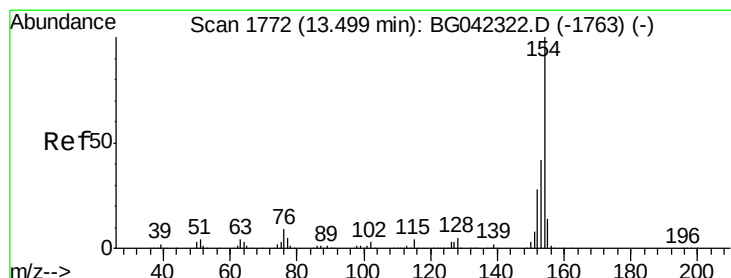
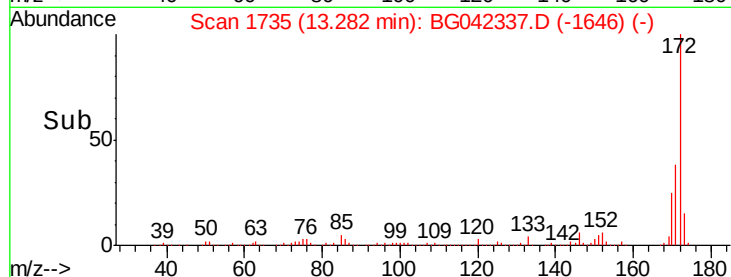
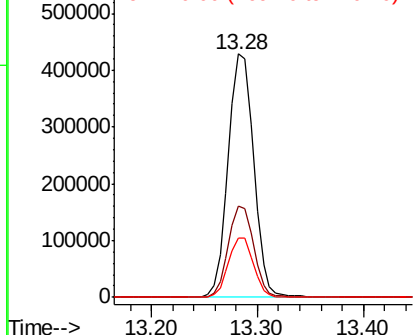


Abundance

Ion 172.00 (171.70 to 172.70): E

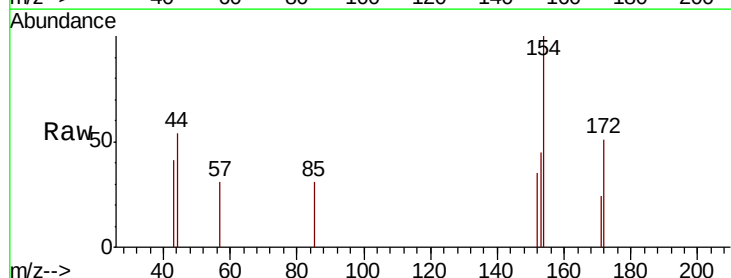
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 0.073 ng
RT: 13.50 min Scan# 1772
Delta R.T. 0.00 min
Lab File: BG042337.D
Acq: 19 Aug 2019 21:48

Tgt Ion	Ratio	Lower	Upper
154	100		
153	44.9	21.9	61.9
76	0.0	0.0	29.3

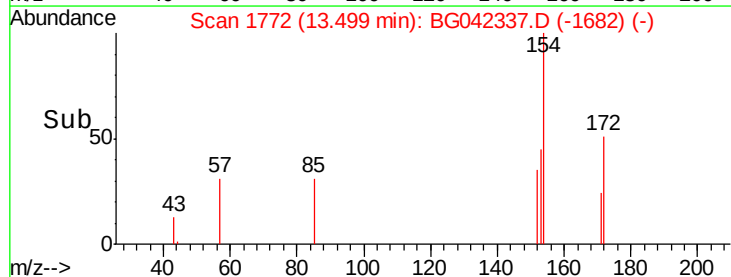
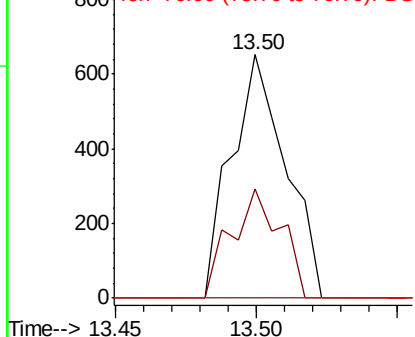


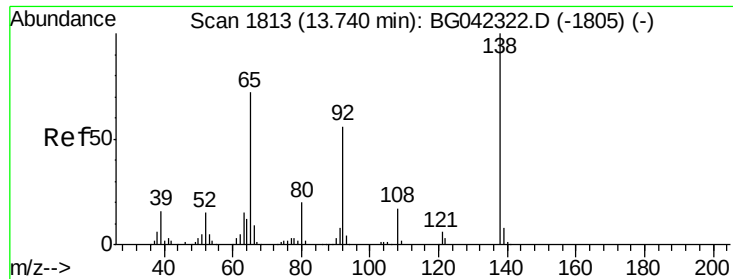
Abundance

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): BG

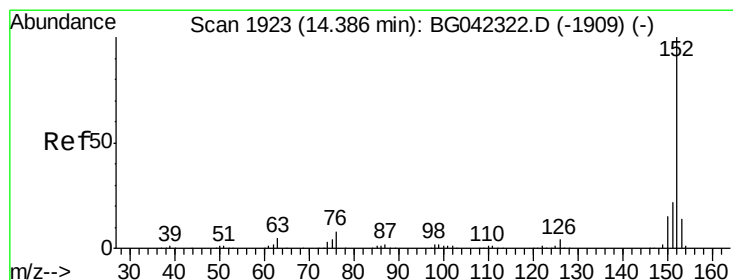
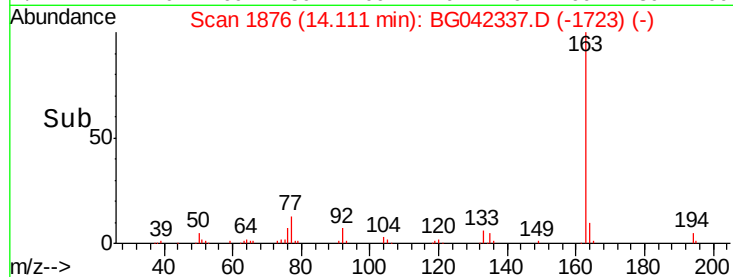
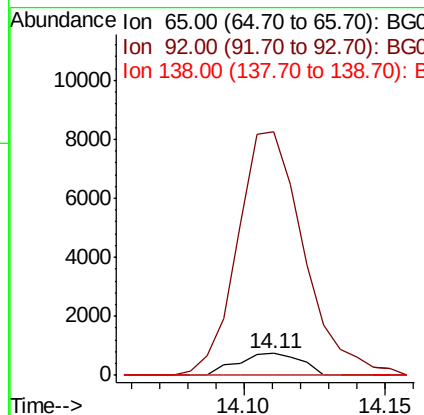
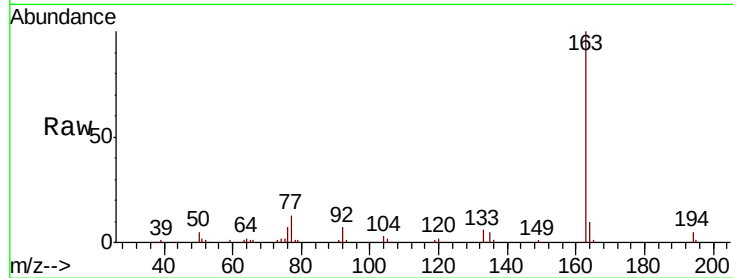




#48
 2-Nitroaniline
 Concen: 0.481 ng
 RT: 14.11 min Scan# 1876
 Delta R.T. 0.37 min
 Lab File: BG042337.D
 Acq: 19 Aug 2019 21:48

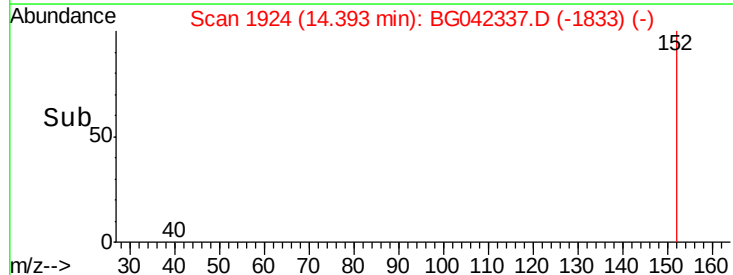
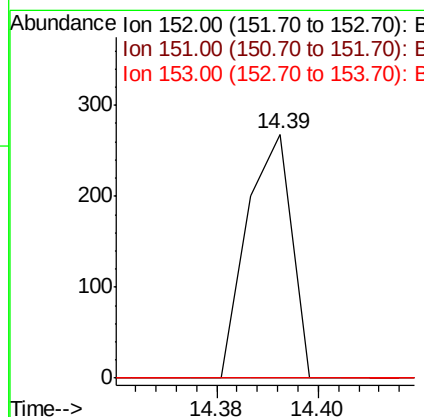
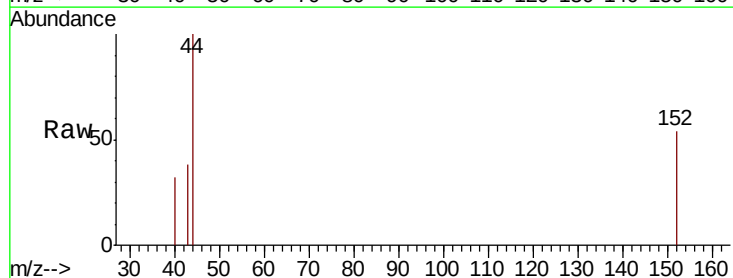
Instrument :
 BNA_G
 ClientSampled :

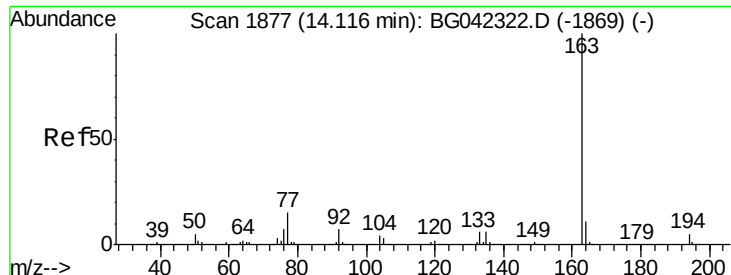
Tot Ion: 65 Resp: 1155
 Ion Ratio Lower Upper
 65 100
 92 1127.3 62.6 94.0#
 138 0.0 111.5 167.3#



#49
 Acenaphthylene
 Concen: 0.011 ng
 RT: 14.39 min Scan# 1924
 Delta R.T. 0.01 min
 Lab File: BG042337.D
 Acq: 19 Aug 2019 21:48

Tgt Ion: 152 Resp: 165
 Ion Ratio Lower Upper
 152 100
 151 0.0 17.3 25.9#
 153 0.0 11.5 17.3#





#50

Dimethylphthalate

Concen: 15.504 ng

RT: 14.11 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BG042337.D

Acq: 19 Aug 2019 21:48

Instrument :

BNA_G

ClientSampleId :

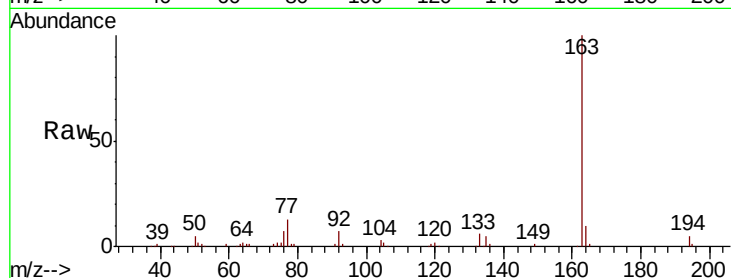
Tot Ion:163 Resp: 201413

Ion Ratio Lower Upper

163 100

194 5.1 4.2 6.2

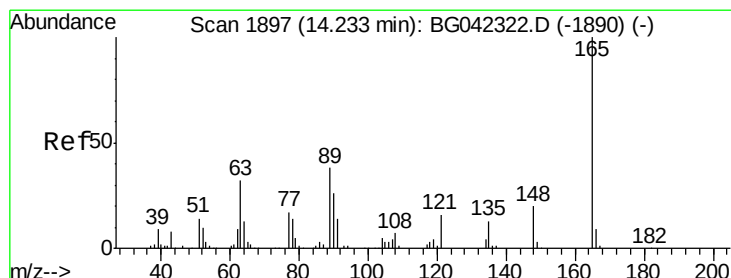
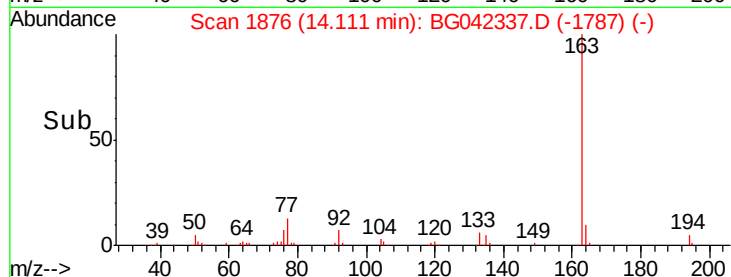
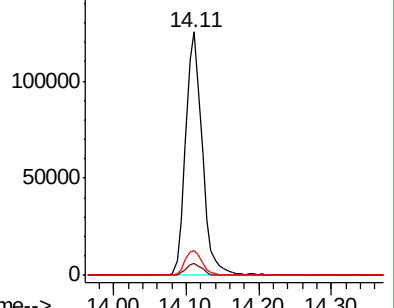
164 10.2 8.8 13.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 0.739 ng

RT: 14.11 min Scan# 1876

Delta R.T. -0.12 min

Lab File: BG042337.D

Acq: 19 Aug 2019 21:48

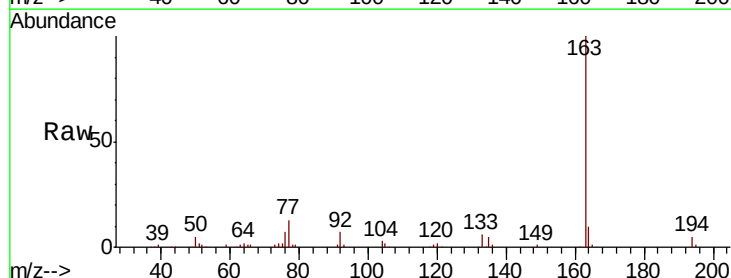
Tgt Ion:165 Resp: 2248

Ion Ratio Lower Upper

165 100

63 84.6 28.2 42.2#

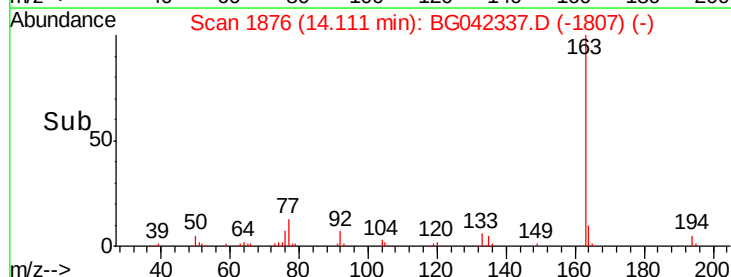
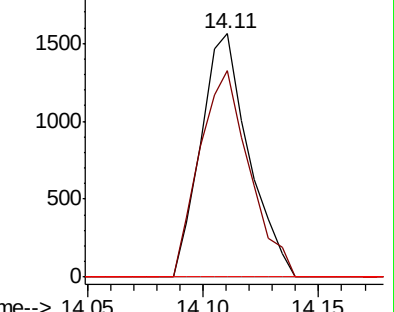
89 0.0 30.0 45.0#

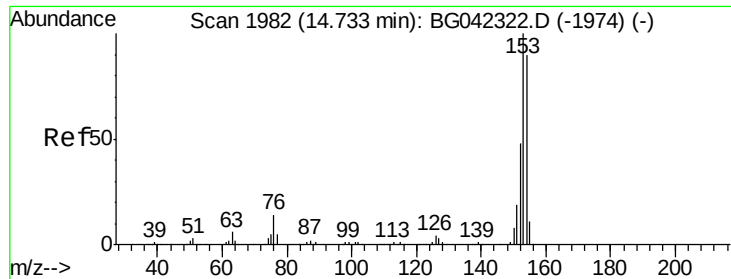


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#52

Acenaphthene

Concen: 0.065 ng

RT: 14.67 min Scan# 1971

Delta R.T. -0.06 min

Lab File: BG042337.D

Acq: 19 Aug 2019 21:48

Instrument :

BNA_G

ClientSampleId :

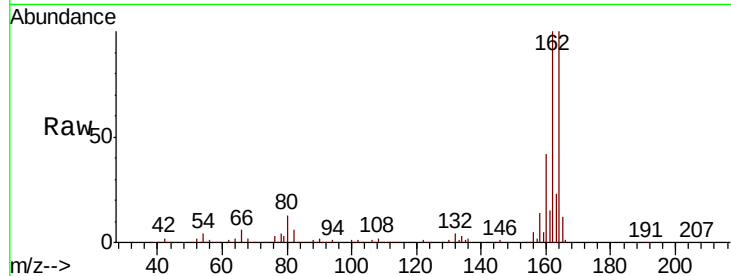
Tot Ion:154 Resp: 608

Ion Ratio Lower Upper

154 100

153 0.0 89.4 134.0#

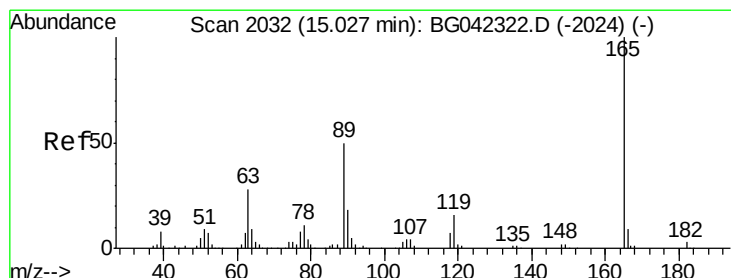
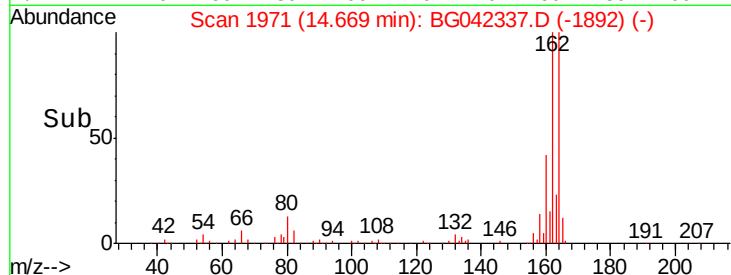
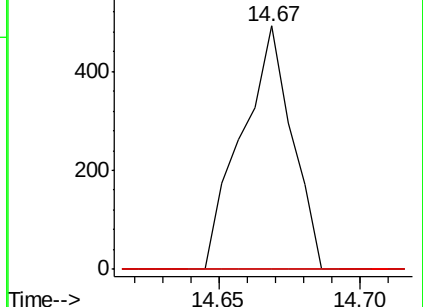
152 0.0 43.1 64.7#



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: 5.534 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.36 min

Lab File: BG042337.D

Acq: 19 Aug 2019 21:48

Tgt Ion:165 Resp: 23524

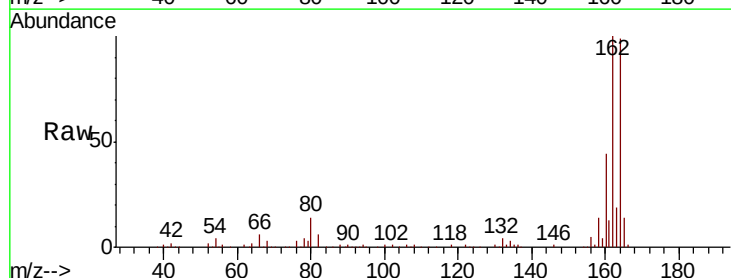
Ion Ratio Lower Upper

165 100

63 1.3 22.4 33.6#

89 1.4 40.2 60.2#

182 0.0 2.6 3.8#

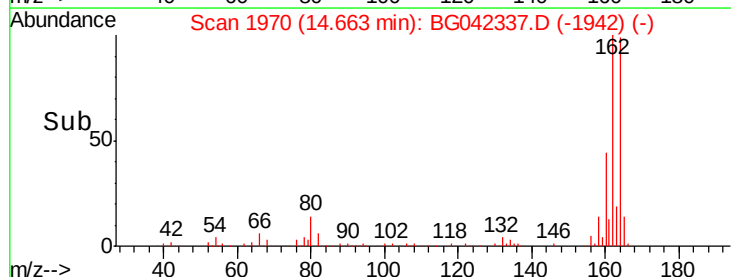
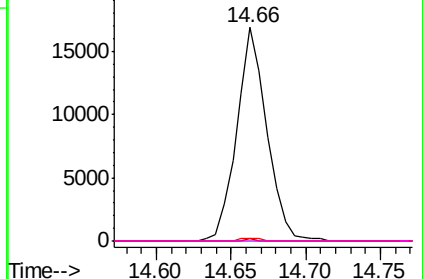


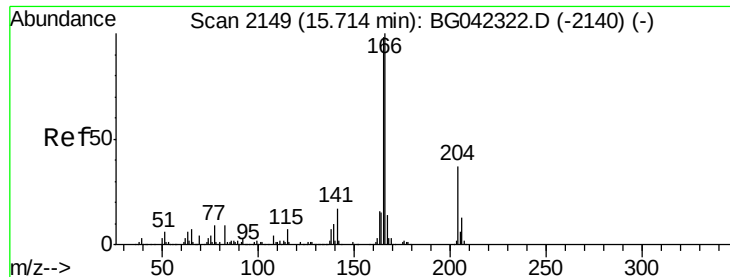
Abundance Ion 165.00 (164.70 to 165.70): E

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: 0.833 ng

RT: 16.16 min Scan# 2225

Delta R.T. 0.45 min

Lab File: BG042337.D

Acq: 19 Aug 2019 21:48

Instrument :

BNA_G

ClientSampleId :

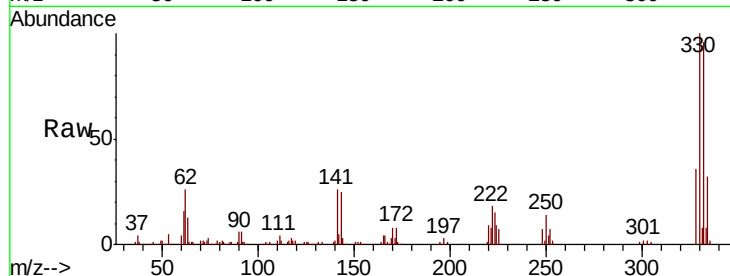
Tot Ion:166 Resp: 10294

Ion Ratio Lower Upper

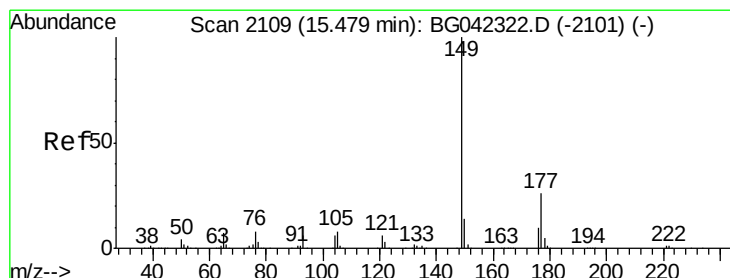
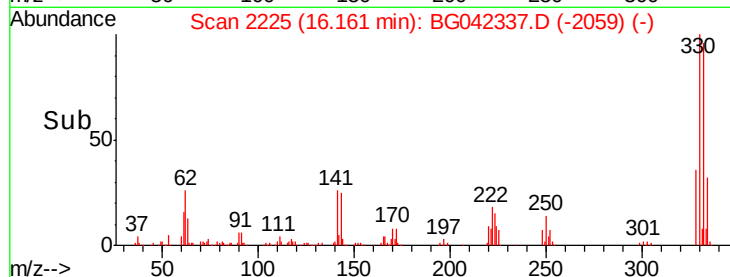
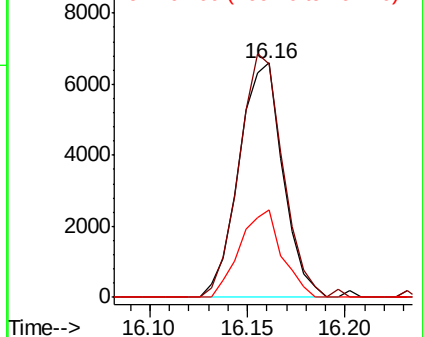
166 100

165 99.6 78.7 118.1

167 37.2 11.1 16.7#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#60

Diethylphthalate

Concen: 0.022 ng

RT: 15.47 min Scan# 2108

Delta R.T. -0.01 min

Lab File: BG042337.D

Acq: 19 Aug 2019 21:48

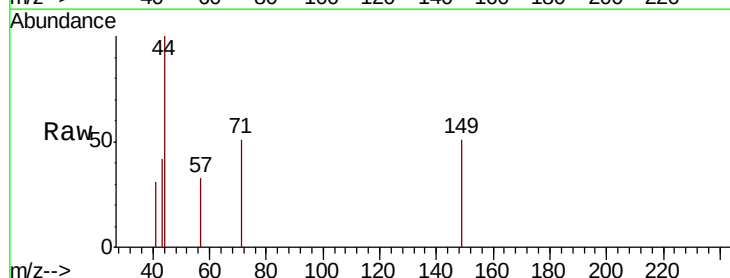
Tgt Ion:149 Resp: 282

Ion Ratio Lower Upper

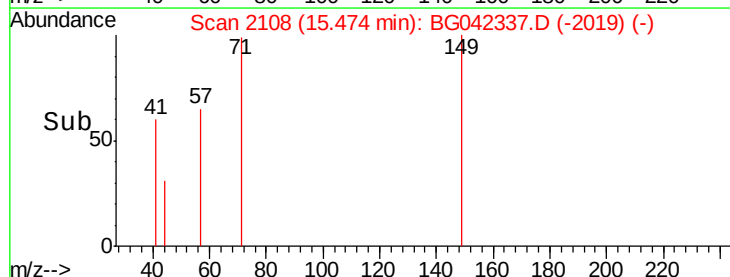
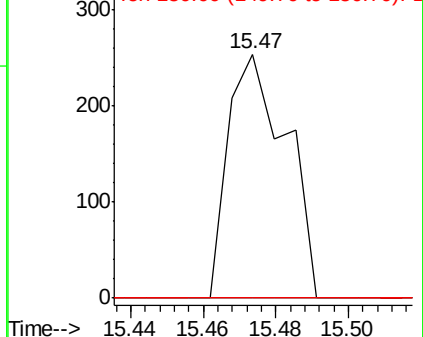
149 100

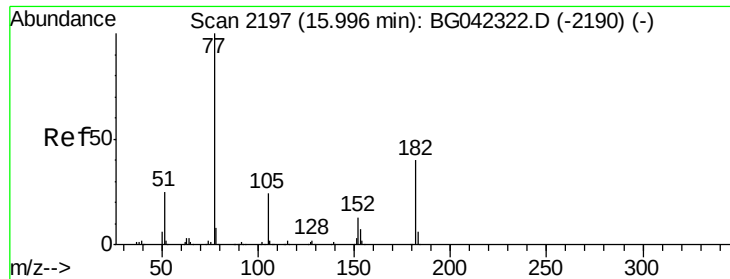
177 0.0 20.7 31.1#

150 0.0 11.0 16.4#



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

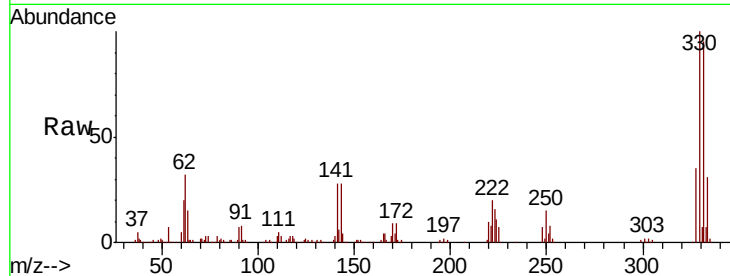




#63
Azobenzene
Concen: 0.105 ng
RT: 16.16 min Scan# 2224
Delta R.T. 0.16 min
Lab File: BG042337.D
Acq: 19 Aug 2019 21:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	0.0	19.7	59.7#	
105	97.8	3.5	43.5#	
51	99.3	5.4	45.4#	



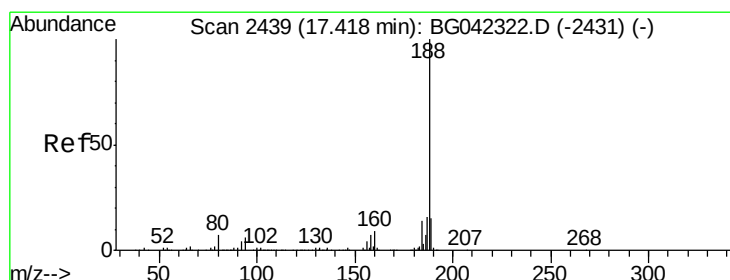
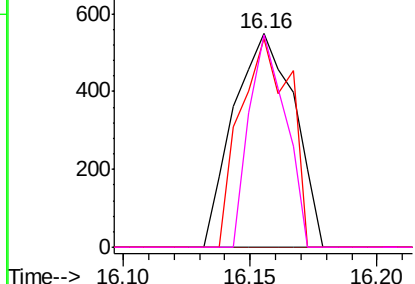
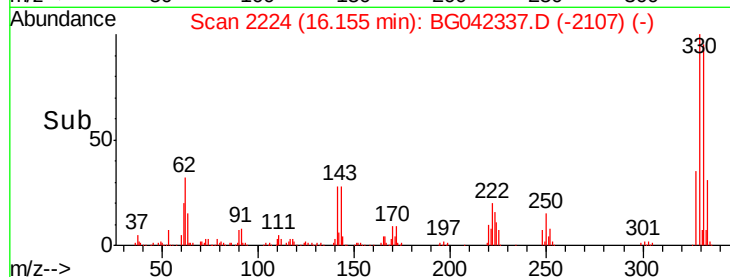
Abundance

Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

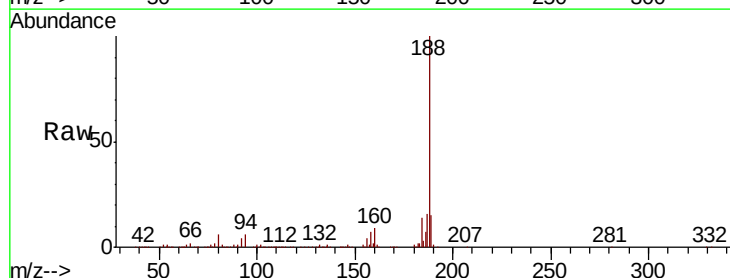
Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2439
Delta R.T. 0.00 min
Lab File: BG042337.D
Acq: 19 Aug 2019 21:48

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	6.0	4.9	7.3	
80	6.5	5.4	8.0	

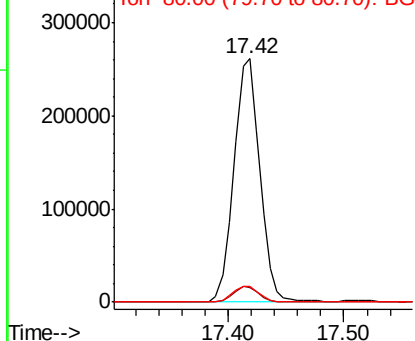
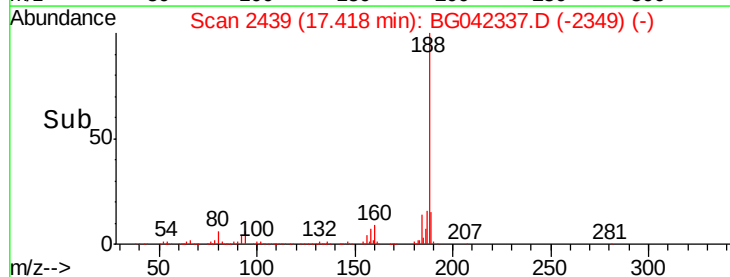


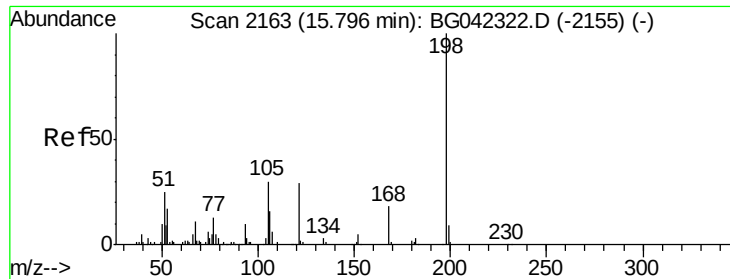
Abundance

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: 0.231 ng

RT: 16.16 min Scan# 2224

Delta R.T. 0.36 min

Lab File: BG042337.D

Acq: 19 Aug 2019 21:48

Instrument :

BNA_G

ClientSampleId :

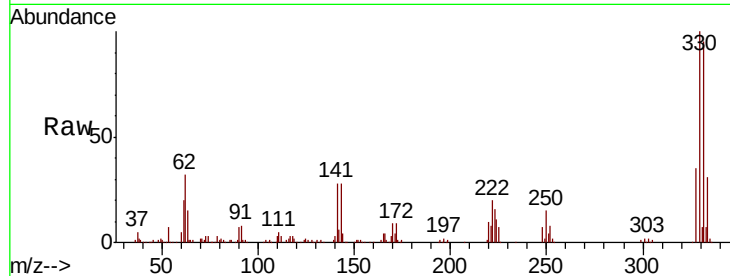
Tot Ion:198 Resp: 573

Ion Ratio Lower Upper

198 100

51 88.2 6.4 46.4#

105 86.9 10.0 50.0#



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

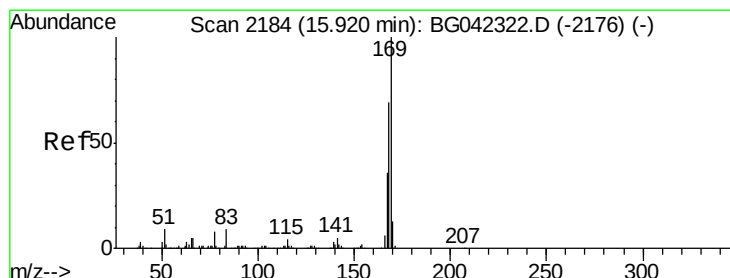
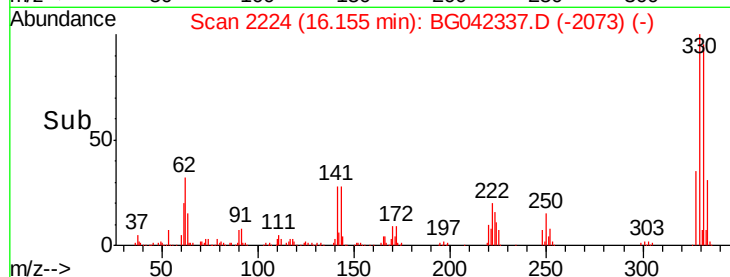
16.16

400

200

0

Time--> 16.12 16.14 16.16 16.18



#66

n-Nitrosodiphenylamine

Concen: 0.731 ng

RT: 16.16 min Scan# 2224

Delta R.T. 0.24 min

Lab File: BG042337.D

Acq: 19 Aug 2019 21:48

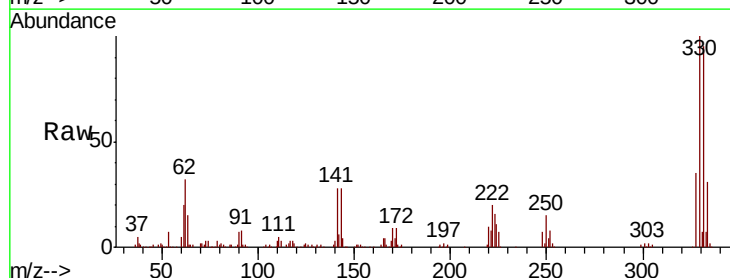
Tgt Ion:169 Resp: 8301

Ion Ratio Lower Upper

169 100

168 6.6 55.5 83.3#

167 40.2 28.9 43.3



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

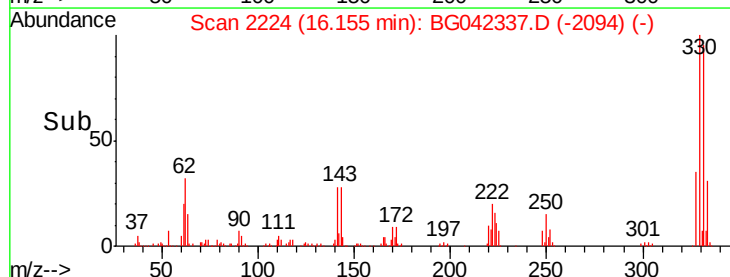
16.16

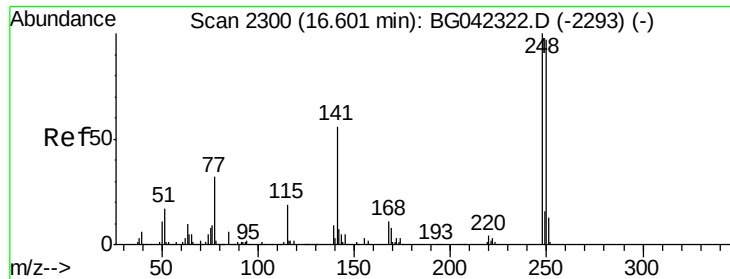
4000

2000

0

Time--> 16.10 16.15 16.20

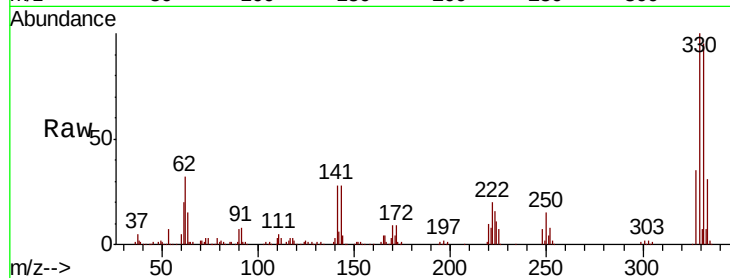




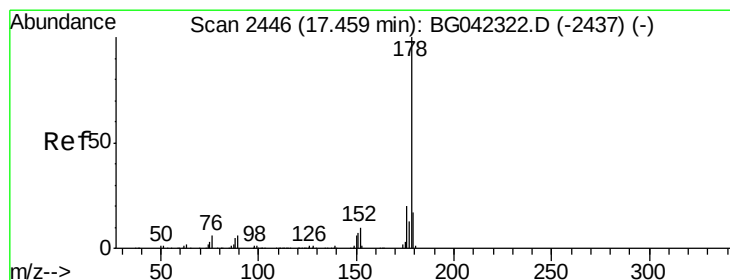
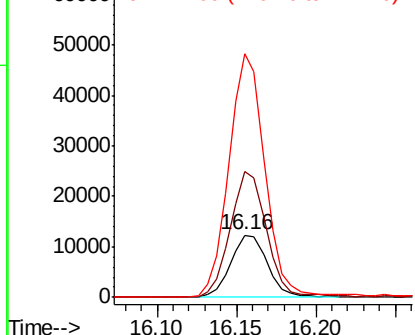
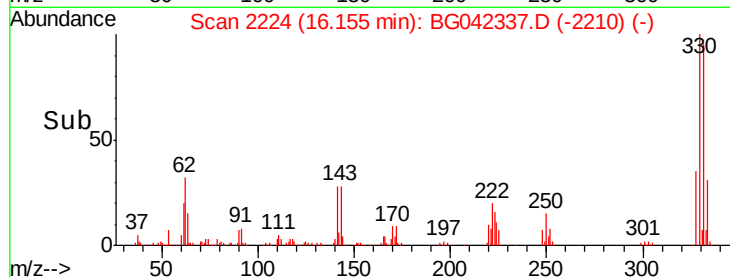
#67
 4-Bromophenyl-phenylether
 Concen: 3.816 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.45 min
 Lab File: BG042337.D
 Acq: 19 Aug 2019 21:48

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 19721
 Ion Ratio Lower Upper
 248 100
 250 201.1 78.0 117.0#
 141 390.4 44.9 67.3#

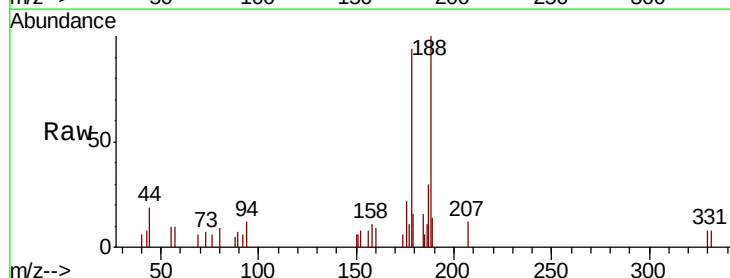


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

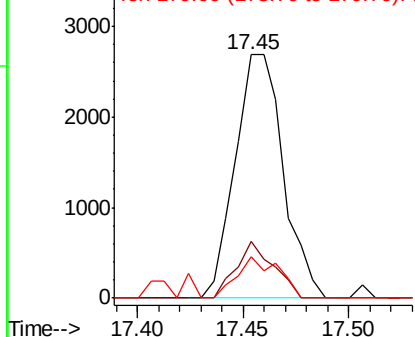
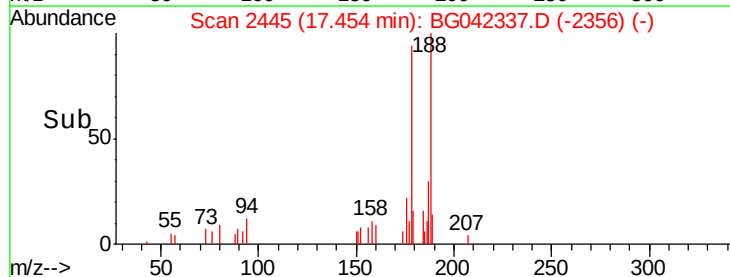


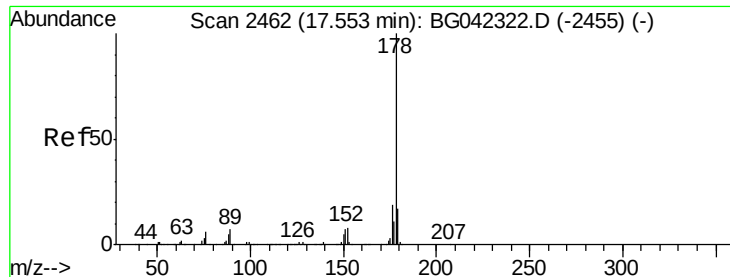
#71
 Phenanthrene
 Concen: 0.210 ng
 RT: 17.45 min Scan# 2445
 Delta R.T. -0.01 min
 Lab File: BG042337.D
 Acq: 19 Aug 2019 21:48

Tgt Ion:178 Resp: 4246
 Ion Ratio Lower Upper
 178 100
 176 23.4 16.2 24.4
 179 17.0 13.7 20.5



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: 0.030 ng

RT: 17.55 min Scan# 2461

Delta R.T. -0.01 min

Lab File: BG042337.D

Acq: 19 Aug 2019 21:48

Instrument :

BNA_G

ClientSampleId :

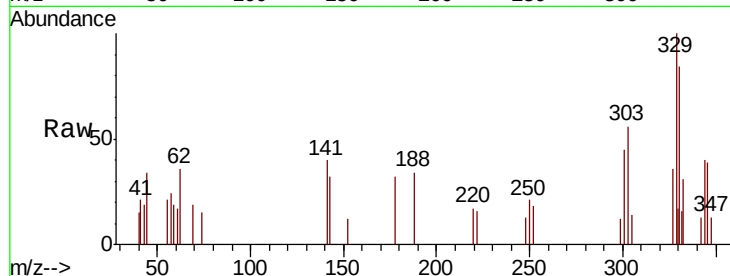
Tot Ion:178 Resp: 599

Ion Ratio Lower Upper

178 100

176 0.0 15.5 23.3#

179 0.0 13.6 20.4#



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

600

500

400

300

200

100

0

17.55

17.55

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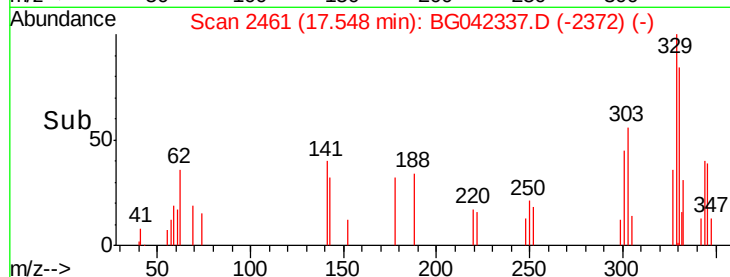
17.55

17.55

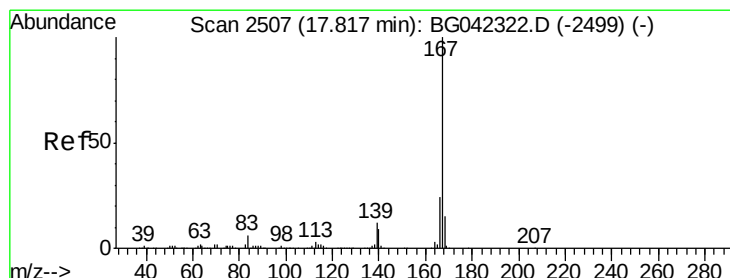
17.55

17.55

17.55



Time-->



#73

Carbazole

Concen: 0.016 ng

RT: 17.85 min Scan# 2513

Delta R.T. 0.04 min

Lab File: BG042337.D

Acq: 19 Aug 2019 21:48

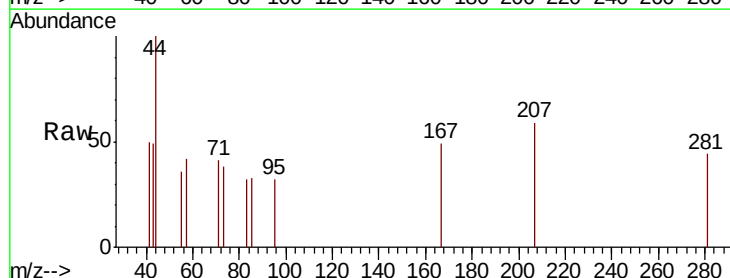
Tgt Ion:167 Resp: 295

Ion Ratio Lower Upper

167 100

166 0.0 19.0 28.6#

139 0.0 9.7 14.5#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

300

200

100

0

17.85

17.85

17.85

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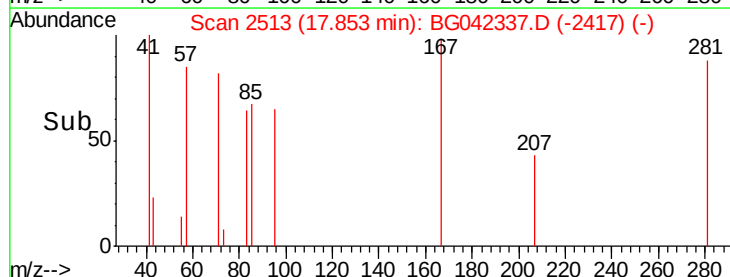
17.85

17.85

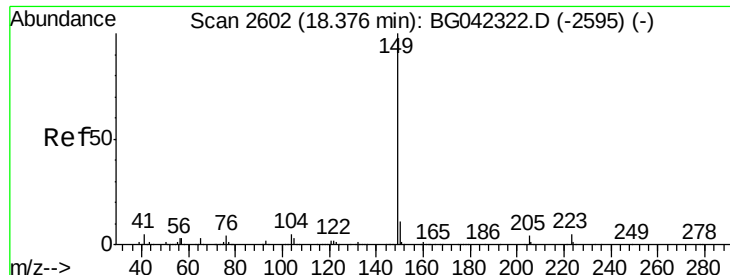
17.85

17.85

17.85



Time-->



#74

Di-n-butylphthalate

Concen: 0.069 ng

RT: 18.38 min Scan# 2603

Delta R.T. 0.01 min

Lab File: BG042337.D

Acq: 19 Aug 2019 21:48

Instrument :

BNA_G

ClientSampleId :

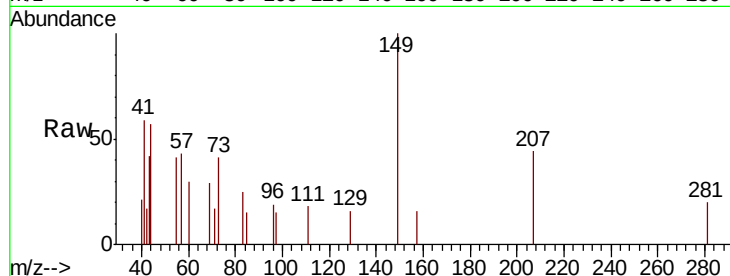
Tot Ion:149 Resp: 1444

Ion Ratio Lower Upper

149 100

150 0.0 8.4 12.6#

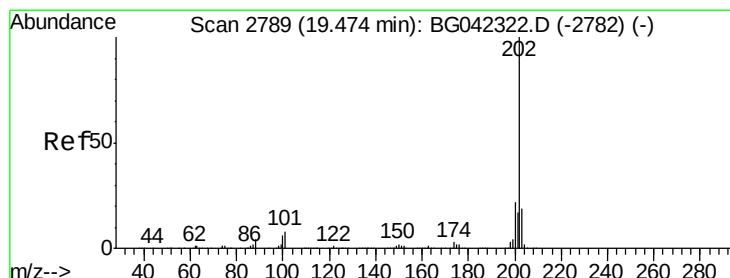
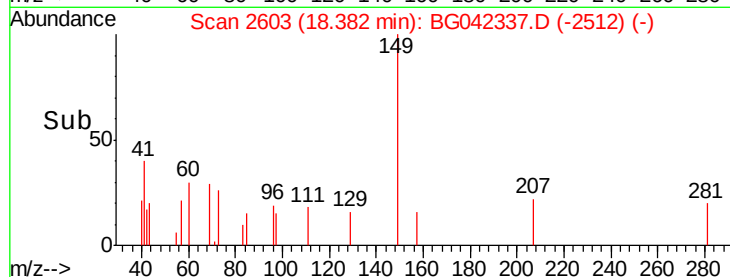
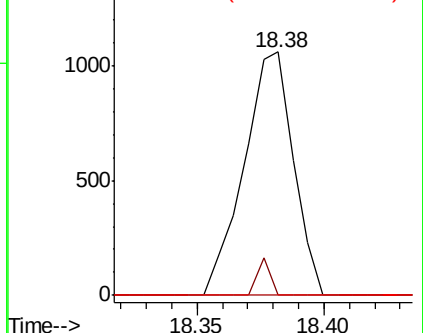
104 0.0 3.7 5.5#



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: 0.528 ng

RT: 19.47 min Scan# 2789

Delta R.T. 0.00 min

Lab File: BG042337.D

Acq: 19 Aug 2019 21:48

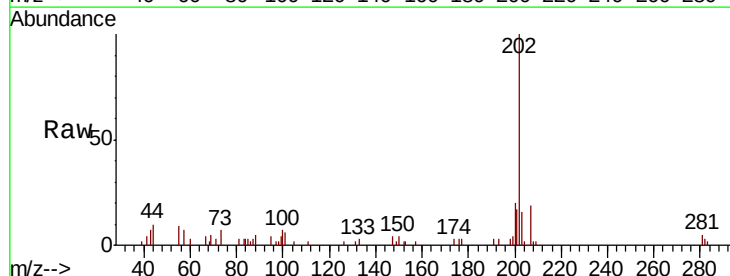
Tgt Ion:202 Resp: 12876

Ion Ratio Lower Upper

202 100

101 6.0 0.0 28.0

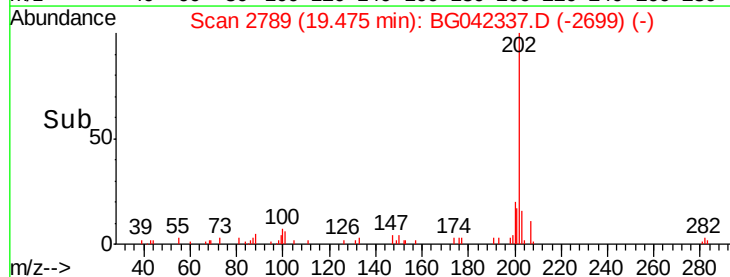
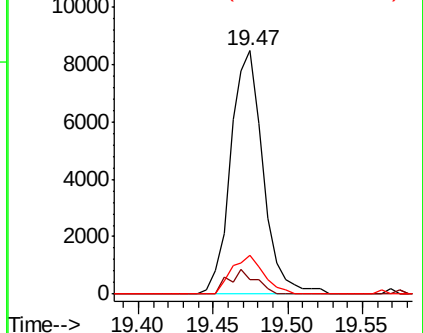
203 15.8 0.0 39.1

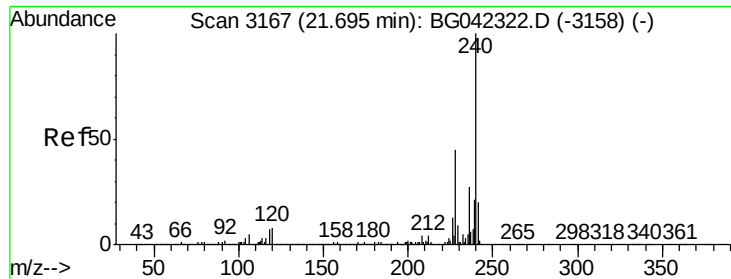


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

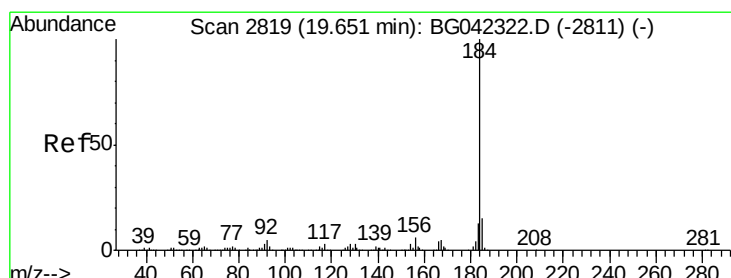
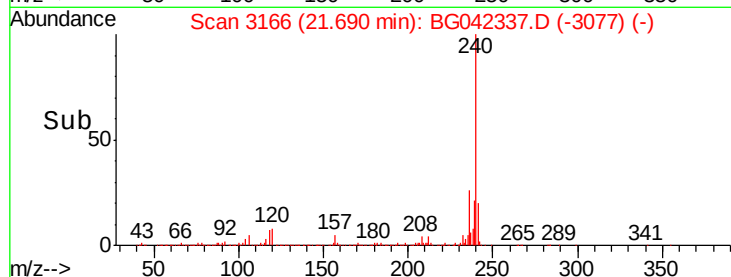
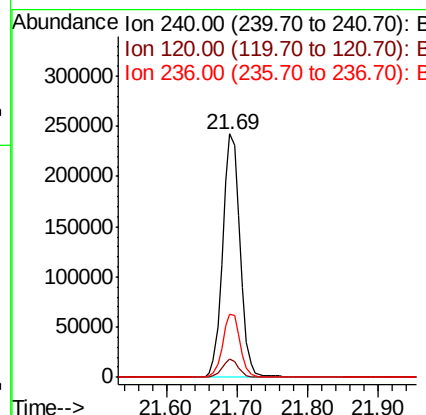
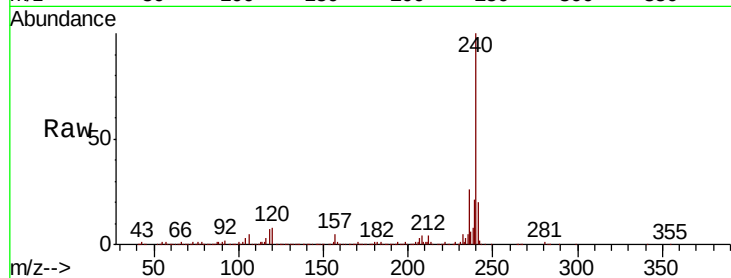




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.01 min
Lab File: BG042337.D
Acq: 19 Aug 2019 21:48

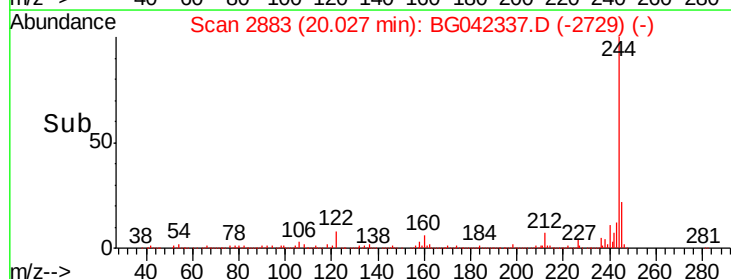
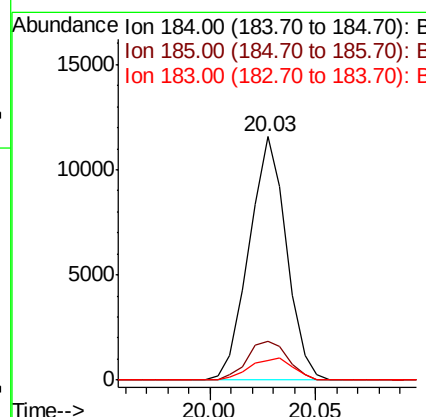
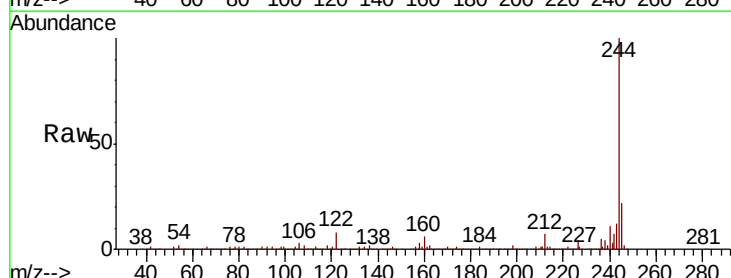
Instrument :
BNA_G
ClientSampleId :

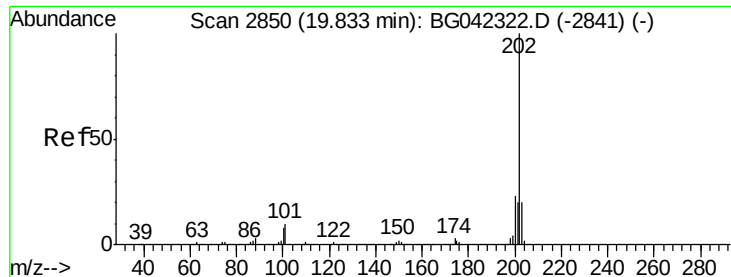
Tot Ion:240 Resp: 414263
Ion Ratio Lower Upper
240 100
120 7.6 6.0 9.0
236 25.8 21.6 32.4



#77
Benzidine
Concen: 1.293 ng
RT: 20.03 min Scan# 2883
Delta R.T. 0.38 min
Lab File: BG042337.D
Acq: 19 Aug 2019 21:48

Tgt Ion:184 Resp: 14197
Ion Ratio Lower Upper
184 100
185 16.2 11.8 17.6
183 8.1 10.6 15.8#





#78

Pvrene

Concen: 0.448 ng

RT: 19.83 min Scan# 2850

Delta R.T. 0.00 min

Lab File: BG042337.D

Acq: 19 Aug 2019 21:48

Instrument :

BNA_G

ClientSampled :

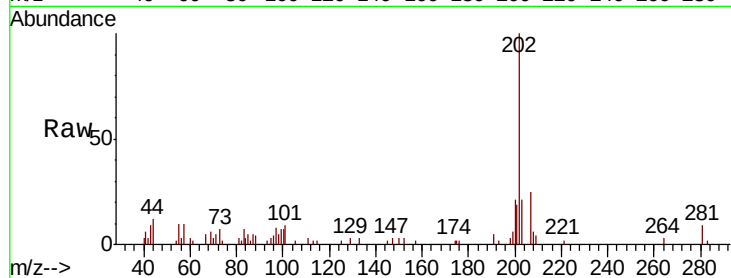
Tot Ion:202 Resp: 11432

Ion Ratio Lower Upper

202 100

200 21.0 18.1 27.1

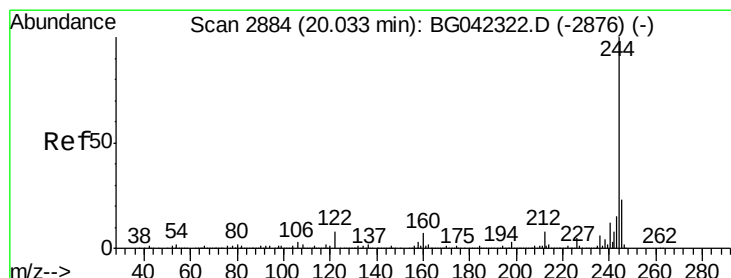
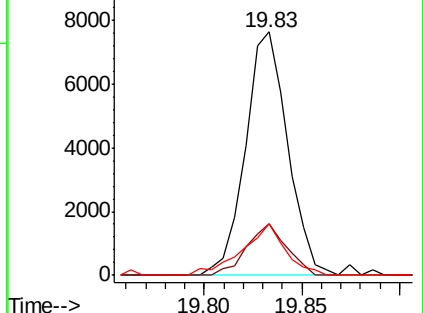
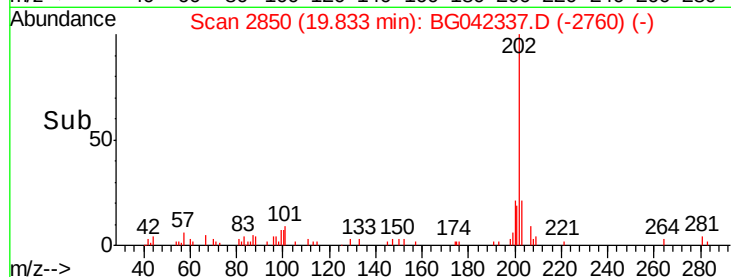
203 21.3 15.8 23.8



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: 58.902 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.01 min

Lab File: BG042337.D

Acq: 19 Aug 2019 21:48

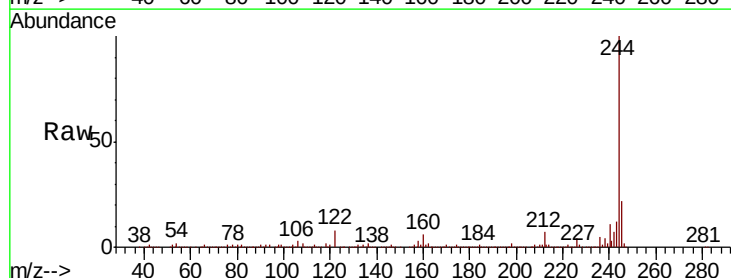
Tgt Ion:244 Resp: 1114051

Ion Ratio Lower Upper

244 100

212 7.3 6.4 9.6

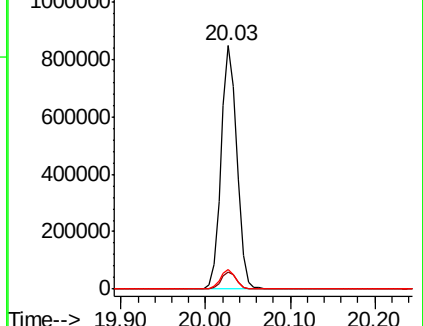
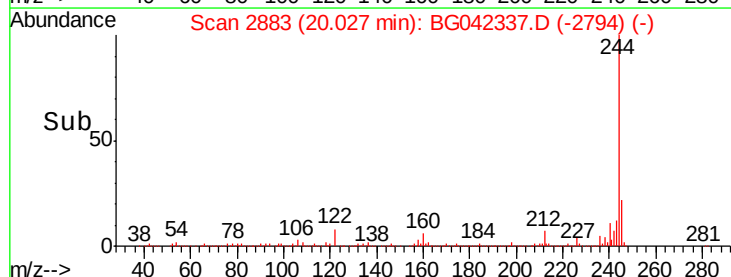
122 7.9 6.6 10.0

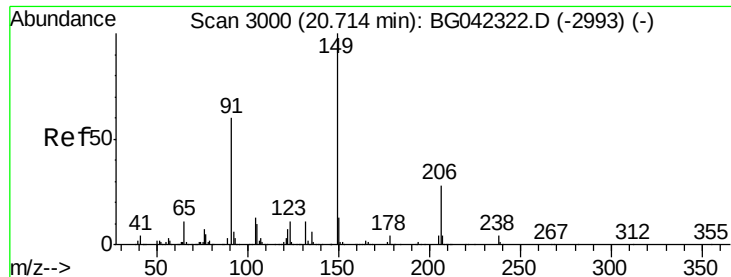


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

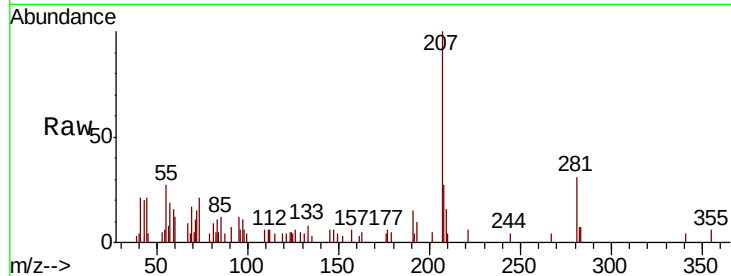




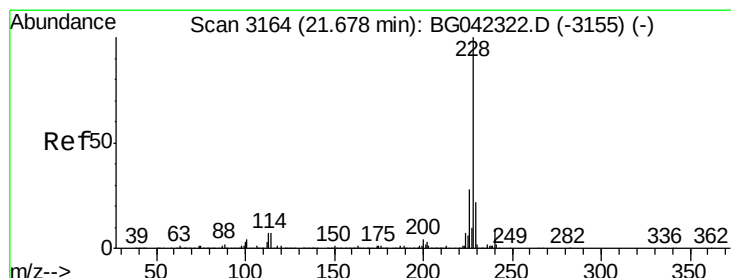
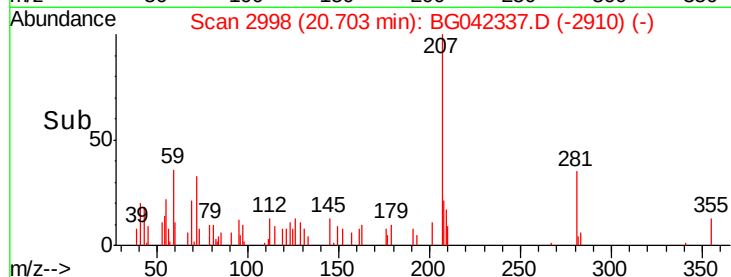
#80
Butylbenzylphthalate
Concen: 0.013 ng
RT: 20.70 min Scan# 2998
Delta R.T. -0.01 min
Lab File: BG042337.D
Acq: 19 Aug 2019 21:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
91	156.0	47.8	71.6#
206	0.0	22.6	33.8#

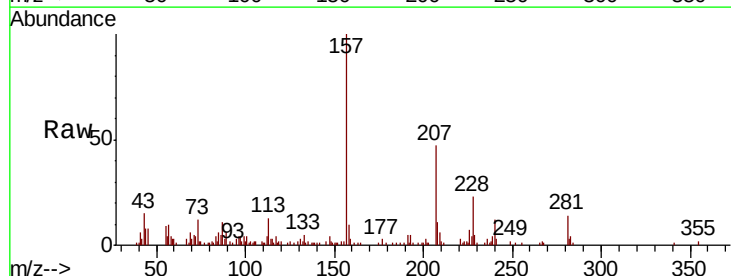


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BG
Ion 206.00 (205.70 to 206.70): E

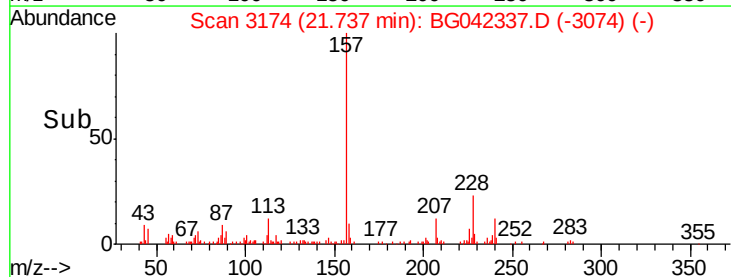
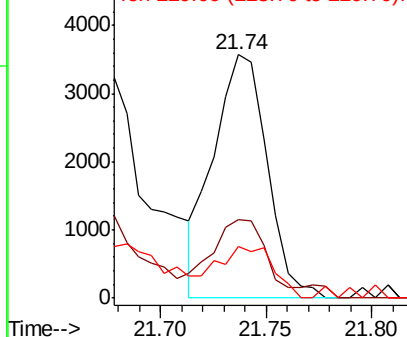


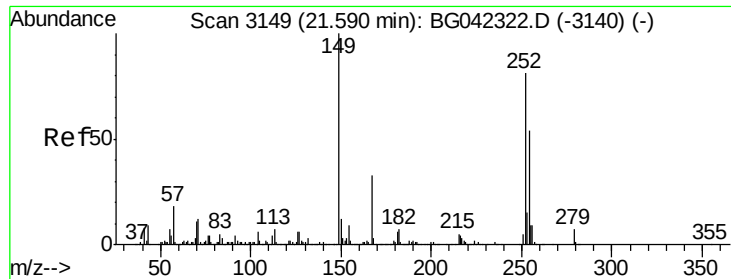
#81
Benzo(a)anthracene
Concen: 0.248 ng
RT: 21.74 min Scan# 3174
Delta R.T. 0.06 min
Lab File: BG042337.D
Acq: 19 Aug 2019 21:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.0	22.7	34.1
229	21.3	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

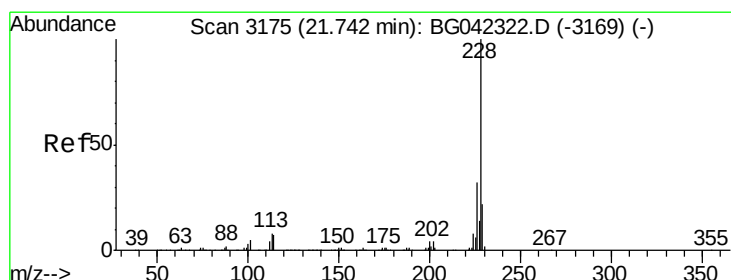
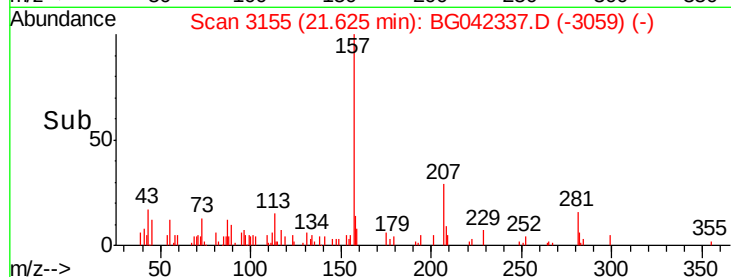
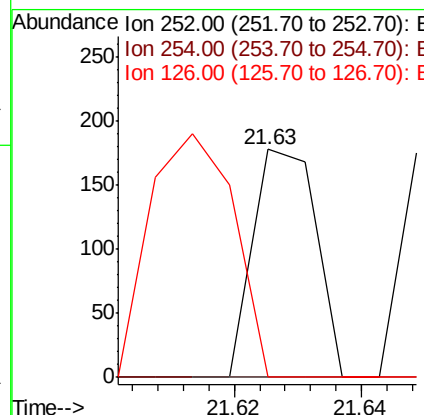
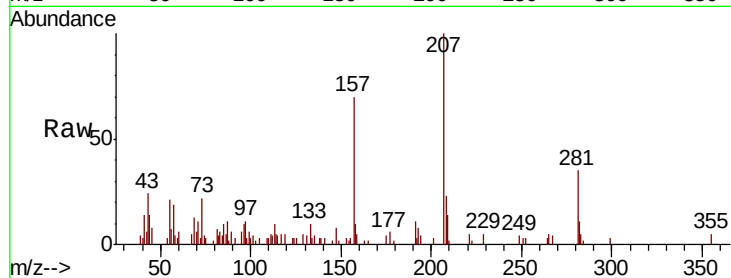




#82
 3,3'-Dichlorobenzidine
 Concen: 0.012 ng
 RT: 21.63 min Scan# 3155
 Delta R.T. 0.04 min
 Lab File: BG042337.D
 Acq: 19 Aug 2019 21:48

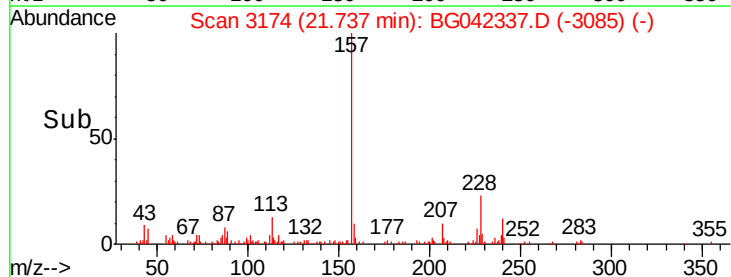
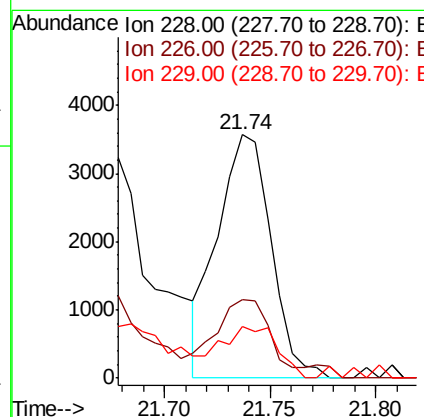
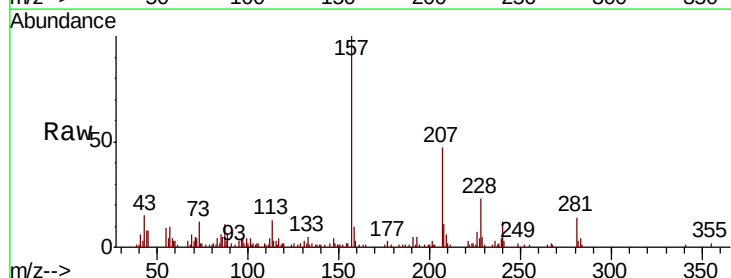
Instrument :
 BNA_G
 ClientSampled :

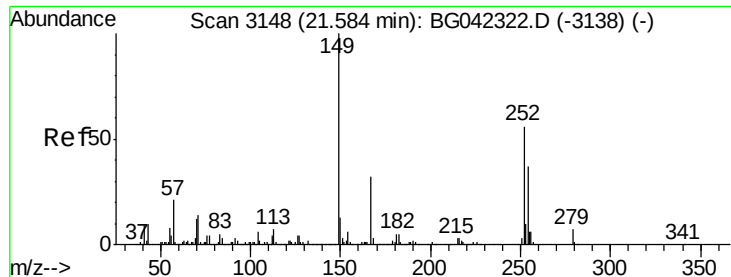
Tot Ion:252 Resp: 122
 Ion Ratio Lower Upper
 252 100
 254 0.0 53.0 79.6#
 126 0.0 6.2 9.2#



#83
 Chrysene
 Concen: 0.259 ng
 RT: 21.74 min Scan# 3174
 Delta R.T. -0.01 min
 Lab File: BG042337.D
 Acq: 19 Aug 2019 21:48

Tgt Ion:228 Resp: 6297
 Ion Ratio Lower Upper
 228 100
 226 32.0 25.6 38.4
 229 21.3 17.8 26.6

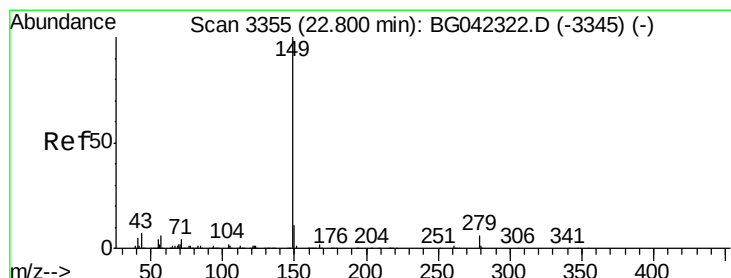
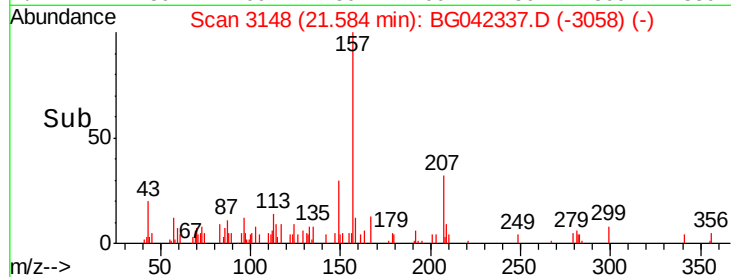
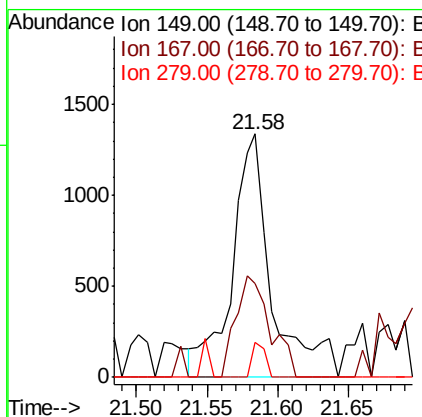
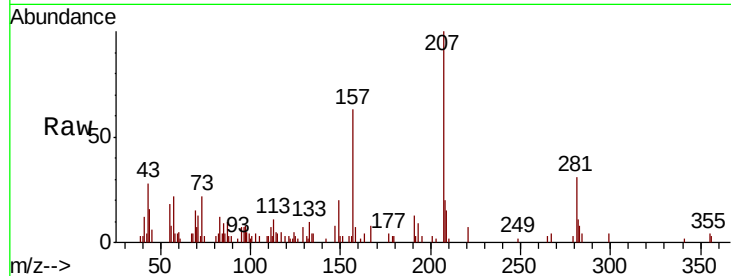




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 0.184 ng
 RT: 21.58 min Scan# 3148
 Delta R.T. 0.00 min
 Lab File: BG042337.D
 Acq: 19 Aug 2019 21:48

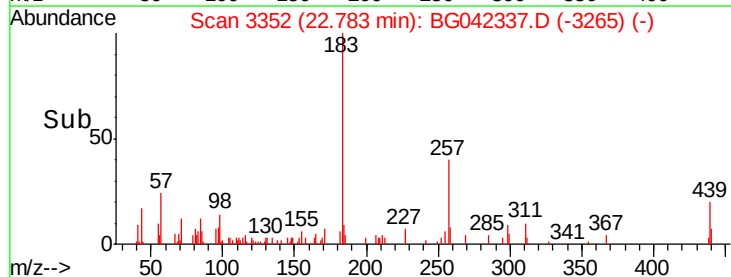
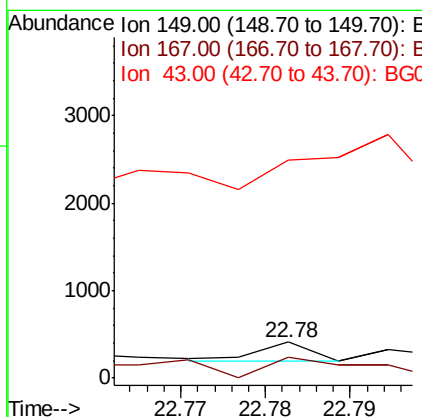
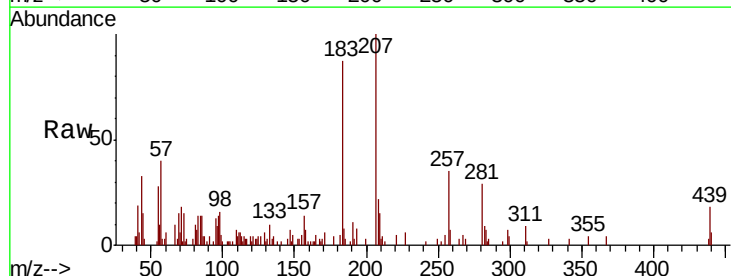
Instrument :
 BNA_G
 ClientSampleId :

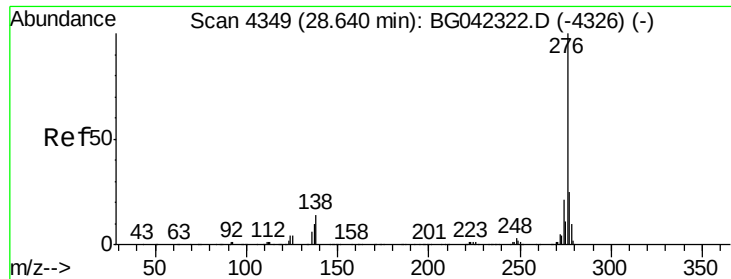
Tot Ion:149 Resp: 2597
 Ion Ratio Lower Upper
 149 100
 167 38.6 25.4 38.0#
 279 14.3 5.8 8.6#



#85
 Di-n-octyl phthalate
 Concen: 0.004 ng
 RT: 22.78 min Scan# 3352
 Delta R.T. -0.02 min
 Lab File: BG042337.D
 Acq: 19 Aug 2019 21:48

Tgt Ion:149 Resp: 90
 Ion Ratio Lower Upper
 149 100
 167 213.3 1.4 2.2#
 43 823.3 5.4 8.2#

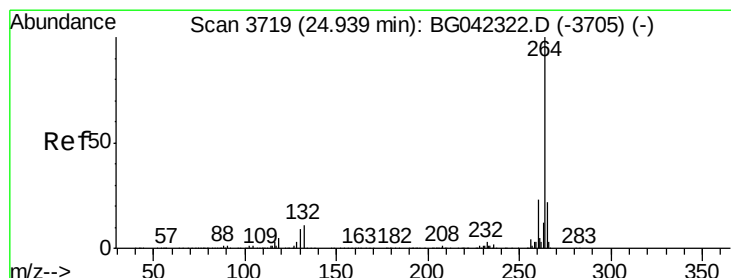
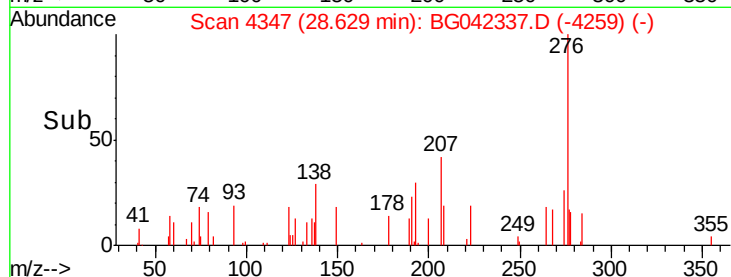
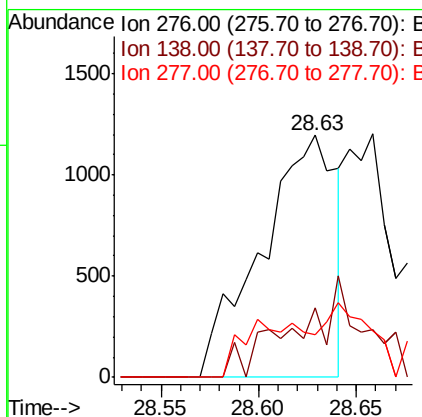
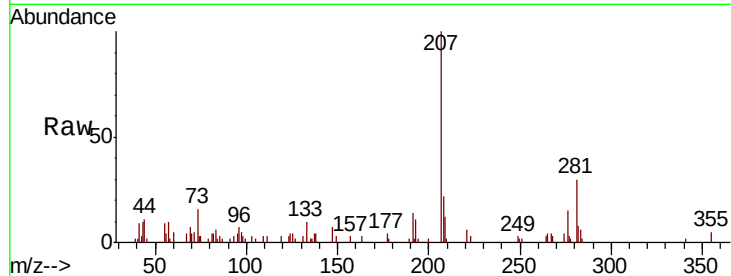




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 0.098 ng
 RT: 28.63 min Scan# 4347
 Delta R.T. -0.01 min
 Lab File: BG042337.D
 Acq: 19 Aug 2019 21:48

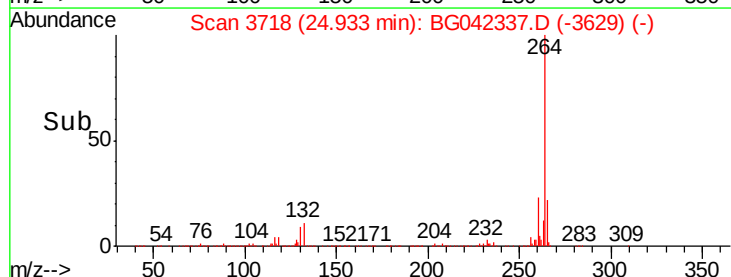
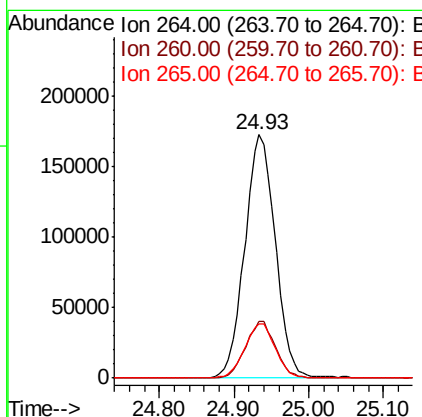
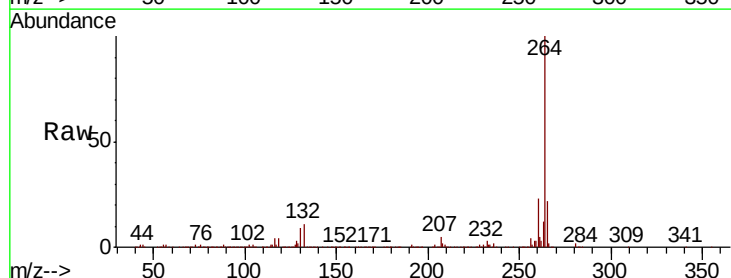
Instrument :
 BNA_G
 ClientSampleId :

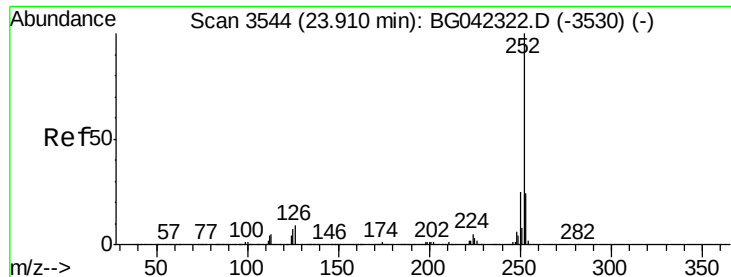
Tot Ion:276 Resp: 3180
 Ion Ratio Lower Upper
 276 100
 138 25.5 14.5 21.7#
 277 18.3 21.0 31.4#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.93 min Scan# 3718
 Delta R.T. -0.01 min
 Lab File: BG042337.D
 Acq: 19 Aug 2019 21:48

Tgt Ion:264 Resp: 490633
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.4 27.6
 265 22.3 17.4 26.0

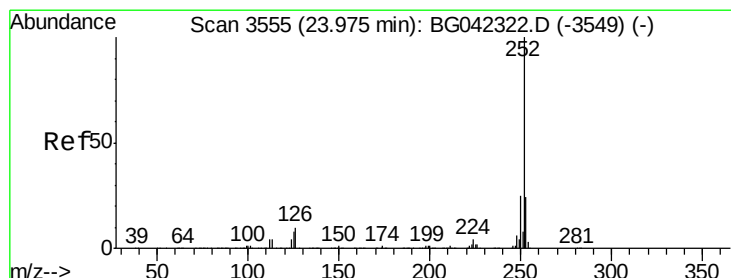
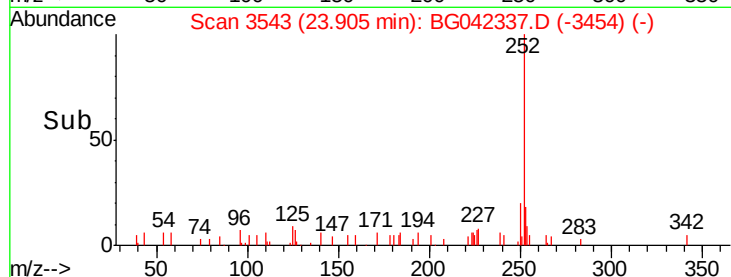
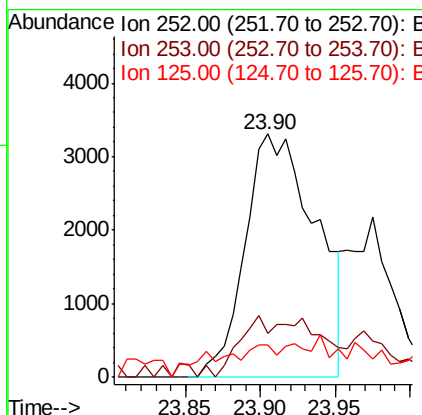
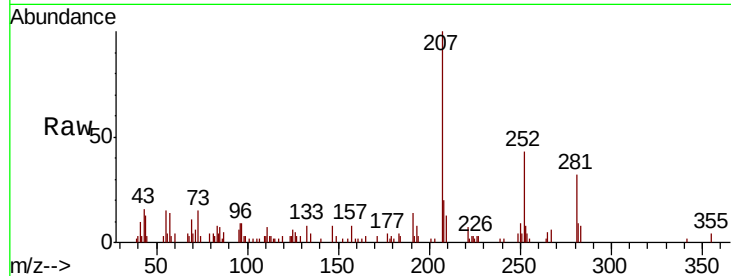




#88
Benzo(b)fluoranthene
Concen: 0.403 ng
RT: 23.90 min Scan# 3543
Delta R.T. -0.01 min
Lab File: BG042337.D
Acq: 19 Aug 2019 21:48

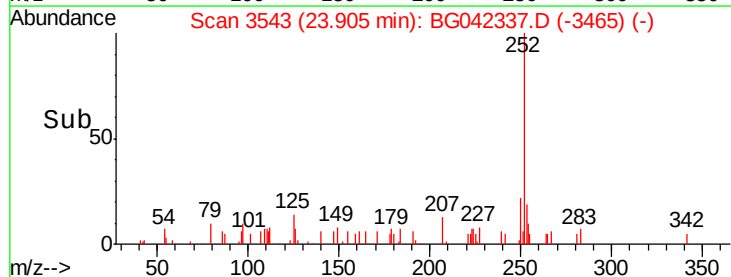
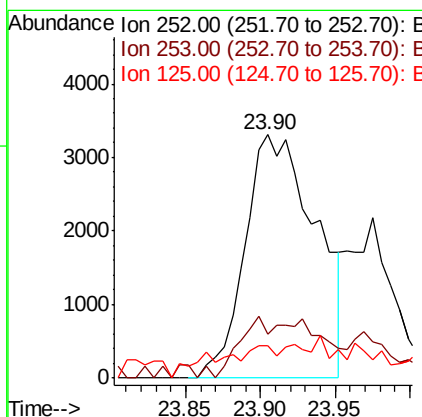
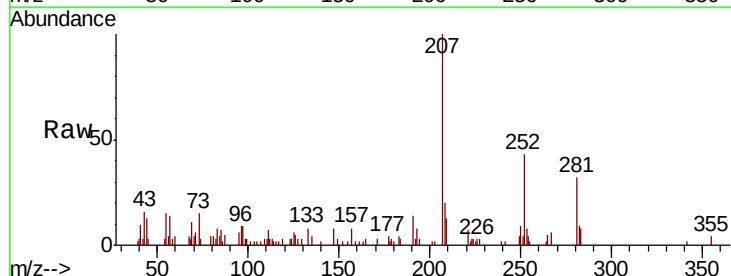
Instrument :
BNA_G
ClientSampleId :

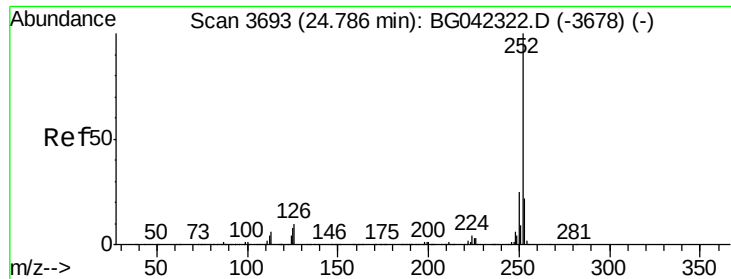
Tot Ion	Ratio	Lower	Upper
252	100		
253	17.8	18.9	28.3#
125	13.3	5.8	8.6#



#89
Benzo(k)fluoranthene
Concen: 0.412 ng
RT: 23.90 min Scan# 3543
Delta R.T. -0.07 min
Lab File: BG042337.D
Acq: 19 Aug 2019 21:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	17.8	19.0	28.4#
125	13.3	6.0	9.0#

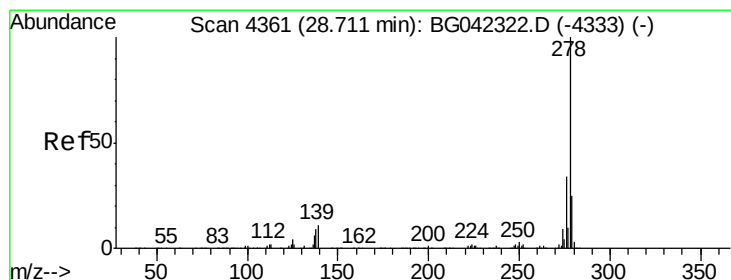
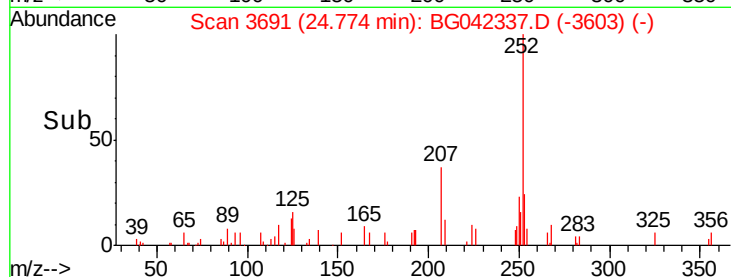
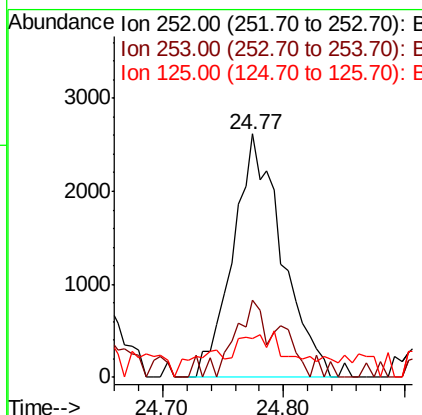
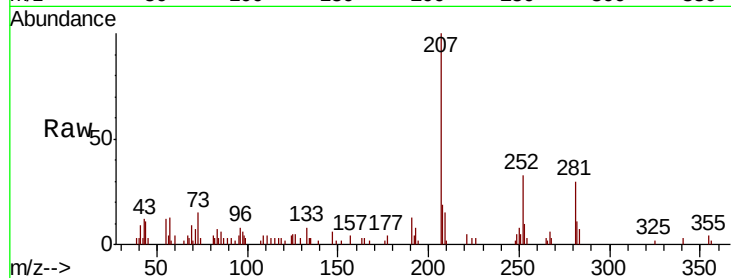




#90
Benzo(a)pyrene
Concen: 0.284 ng
RT: 24.77 min Scan# 3691
Delta R.T. -0.01 min
Lab File: BG042337.D
Acq: 19 Aug 2019 21:48

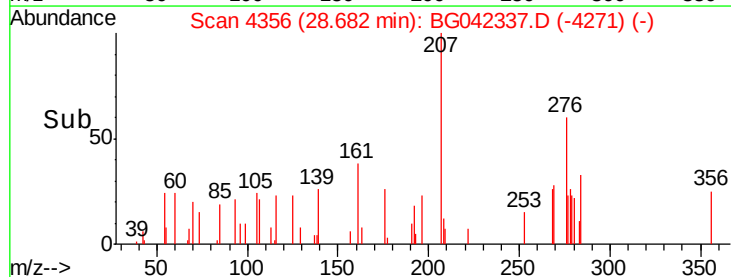
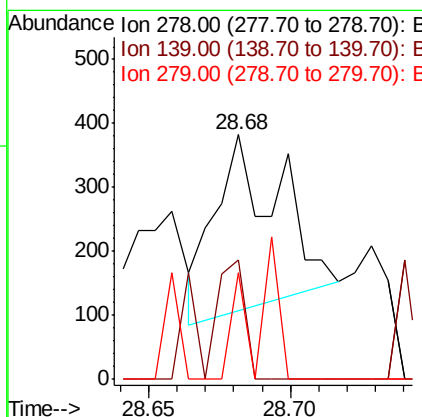
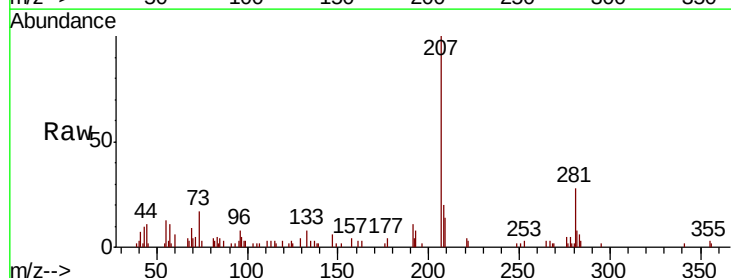
Instrument :
BNA_G
ClientSampleId :

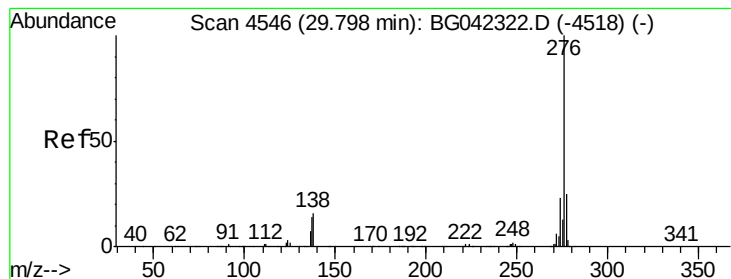
Tot Ion	Ratio	Lower	Upper
252	100		
253	31.7	17.9	26.9#
125	15.8	6.7	10.1#



#91
Dibenzo(a,h)anthracene
Concen: 0.017 ng
RT: 28.68 min Scan# 4356
Delta R.T. -0.03 min
Lab File: BG042337.D
Acq: 19 Aug 2019 21:48

Tgt Ion	Ratio	Lower	Upper
278	100		
139	48.7	8.5	12.7#
279	43.5	19.8	29.8#





#92

Benzo(a,h,i)perylene

Concen: 0.133 ng

RT: 29.77 min Scan# 4542

Delta R.T. -0.02 min

Lab File: BG042337.D

Acq: 19 Aug 2019 21:48

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 276 Resp: 3429

Ion Ratio Lower Upper

276 100

277 24.3 19.8 29.8

138 15.6 12.8 19.2

