

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111519\
 Data File : BG043657.D
 Acq On : 15 Nov 2019 19:15
 Operator : JU
 Sample : PB124801TB
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB124801TB

Quant Time: Nov 16 01:12:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 04 15:22:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	21651	20.00	ng	-0.01
21) Naphthalene-d8	10.80	136	71499	20.00	ng	-0.01
39) Acenaphthene-d10	14.63	164	60163	20.00	ng	-0.01
64) Phenanthrene-d10	17.37	188	161580	20.00	ng	-0.02
76) Chrysene-d12	21.64	240	197944	20.00	ng	-0.02
87) Perylene-d12	24.82	264	226685	20.00	ng	-0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	168782	142.85	ng	0.00
7) Phenol-d6	7.19	99	231667	136.28	ng	0.00
23) Nitrobenzene-d5	9.16	82	138378	99.78	ng	-0.02
42) 2,4,6-Tribromophenol	16.12	330	144958	126.61	ng	-0.01
45) 2-Fluorobiphenyl	13.25	172	372262	85.50	ng	-0.02
79) Terphenyl-d14	19.98	244	1024218	97.07	ng	-0.02

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.17	88	4590	9.969	ng	# 1
4) n-Nitrosodimethylamine	3.78	42	380	0.648	ng	# 1
6) Aniline	7.34	93	59	0.030	ng	# 42
9) Benzaldehyde	7.19	77	315	0.377	ng	# 5
10) Phenol	7.54	94	379	0.244	ng	# 1
11) bis(2-Chloroethyl)ether	7.34	93	59	0.049	ng	# 21
12) 1,3-Dichlorobenzene	8.02	146	53	0.032	ng	# 27
13) 1,4-Dichlorobenzene	8.02	146	53	0.032	ng	# 25
14) 1,2-Dichlorobenzene	8.02	146	53	0.033	ng	# 23
15) Benzyl Alcohol	8.32	79	2494	2.089	ng	# 75
16) 2,2'-oxybis(1-Chloropropan	8.53	45	134	0.077	ng	# 66
19) n-Nitroso-di-n-propylamine	9.15	70	18925	17.228	ng	# 79
24) Nitrobenzene	9.16	77	648	0.490	ng	# 21
25) Isophorone	9.73	82	220	0.087	ng	# 64
33) 4-Chloroaniline	10.91	127	65	0.044	ng	# 45
46) 1,1'-Biphenyl	13.48	154	413	0.090	ng	# 43
48) 2-Nitroaniline	13.25	65	455	0.437	ng	# 11
50) Dimethylphthalate	14.30	163	61	0.013	ng	# 75
51) 2,6-Dinitrotoluene	14.63	165	7832	7.736	ng	# 25
52) Acenaphthene	14.64	154	147	0.044	ng	# 6
57) 2,4-Dinitrotoluene	14.63	165	7832	5.413	ng	# 29
58) Fluorene	16.11	166	3292	0.732	ng	# 85
60) Diethylphthalate	14.93	149	71	0.015	ng	# 56
63) Azobenzene	16.13	77	324	0.085	ng	# 46
65) 4,6-Dinitro-2-methylphenol	16.11	198	373	0.392	ng	# 1
66) n-Nitrosodiphenylamine	16.11	169	3918	0.859	ng	# 50
67) 4-Bromophenyl-phenylether	16.27	248	249	0.115	ng	# 1
71) Phenanthrene	17.61	178	53	0.006	ng	# 60
72) Anthracene	17.61	178	53	0.006	ng	# 59
74) Di-n-butylphthalate	18.34	149	562	0.062	ng	# 77
75) Fluoranthene	19.43	202	146	0.014	ng	# 65
77) Benzidine	19.61	184	102236	25.664	ng	# 99
78) Pvrene	19.98	202	3741	0.305	ng	# 78
80) Butylbenzylphthalate	20.66	149	56	0.012	ng	# 53

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Quant Time: Nov 16 01:12:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 04 15:22:15 2019
 Response via : Initial Calibration

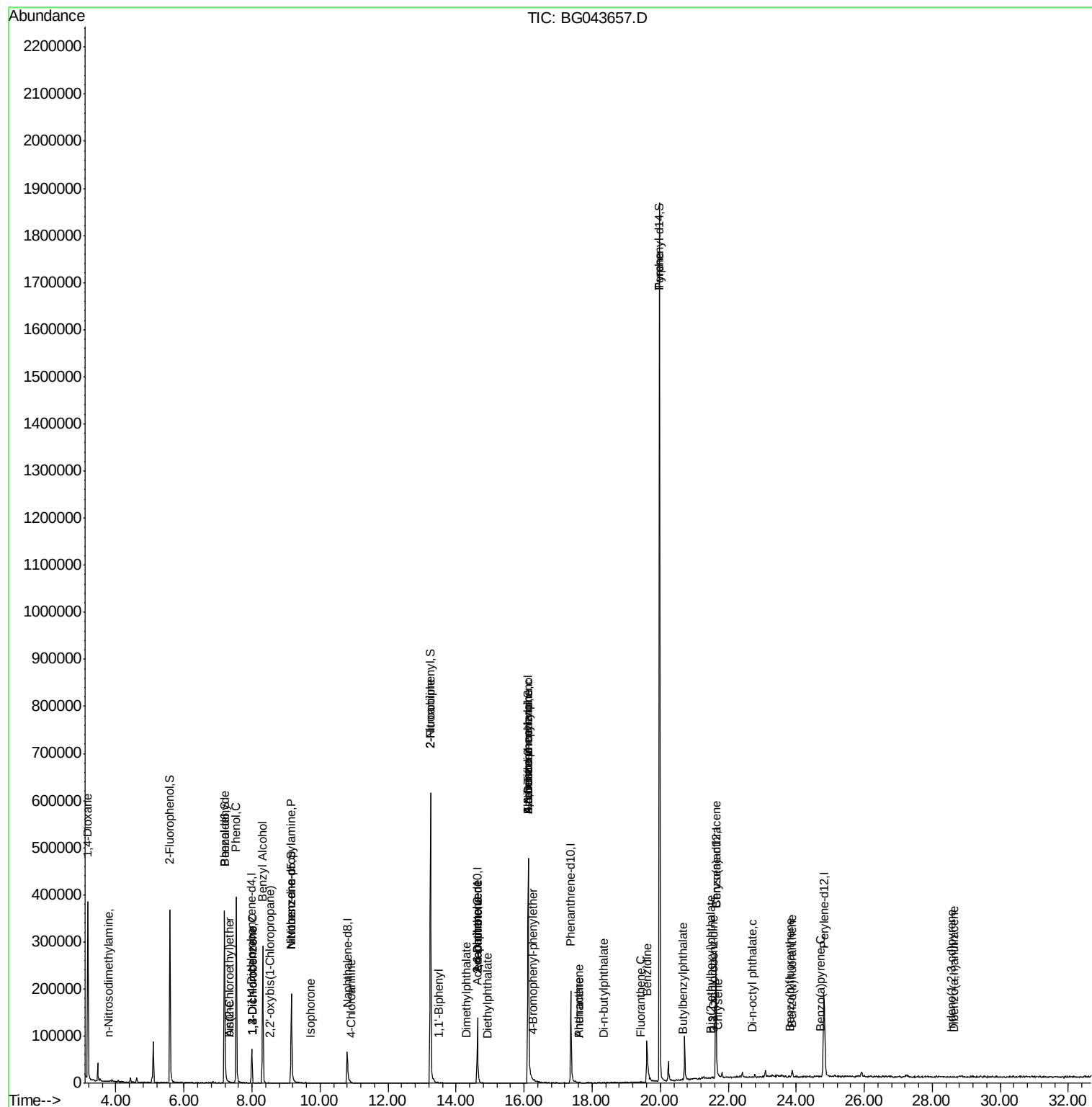
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) Benzo(a)anthracene	21.64	228	821	0.066	ng	# 62
82) 3,3'-Dichlorobenzidine	21.57	252	334	0.070	ng	# 97
83) Chrysene	21.71	228	64	0.005	ng	# 48
84) Bis(2-ethylhexyl)phthalate	21.50	149	868	0.132	ng	# 84
85) Di-n-octyl phthalate	22.72	149	135	0.012	ng	# 1
86) Indeno(1,2,3-cd)pyrene	28.55	276	56	0.004	ng	# 56
88) Benzo(b)fluoranthene	23.80	252	61	0.005	ng	# 60
89) Benzo(k)fluoranthene	23.86	252	53	0.004	ng	# 60
90) Benzo(a)pyrene	24.70	252	57	0.005	ng	# 60
91) Dibenzo(a,h)anthracene	28.64	278	53	0.004	ng	# 58

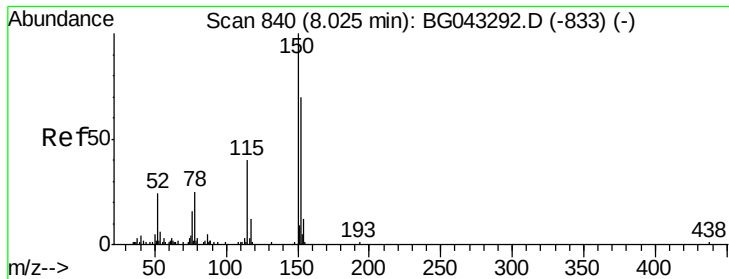
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Nov 04 15:22:15 2019
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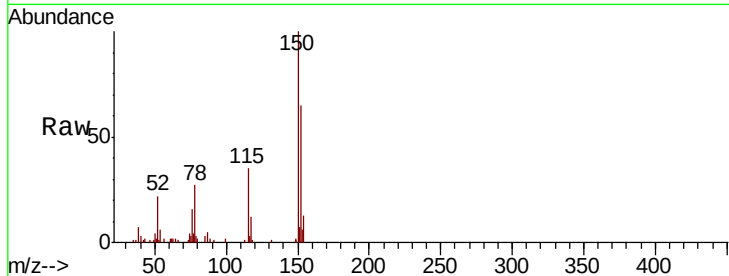


#1

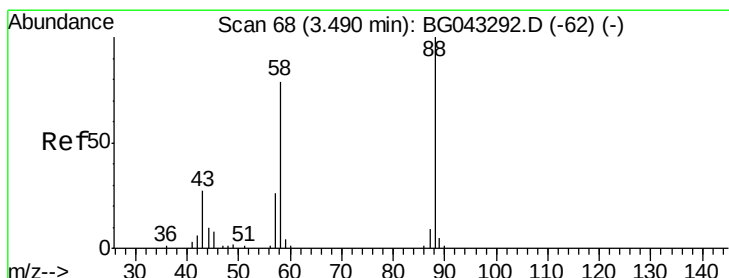
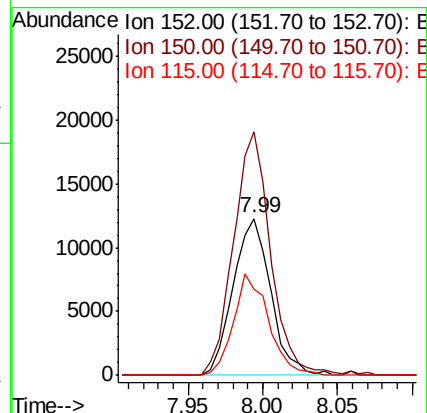
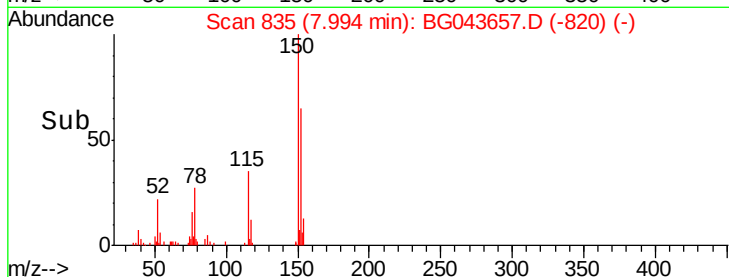
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG043657.D
Acq: 15 Nov 2019 19:15

Instrument :
BNA_G
ClientSampleId :
PB124801TB

Tot Ion:152 Resp: 21651
Ion Ratio Lower Upper
152 100
150 155.0 129.4 194.0
115 54.6 48.8 73.2



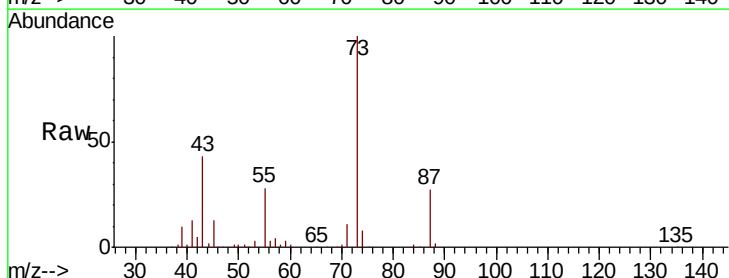
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



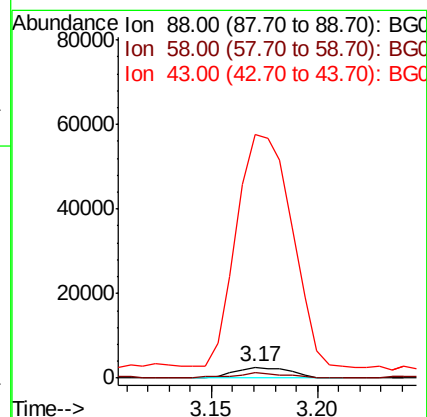
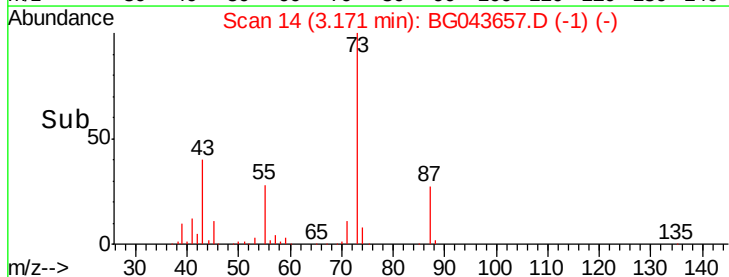
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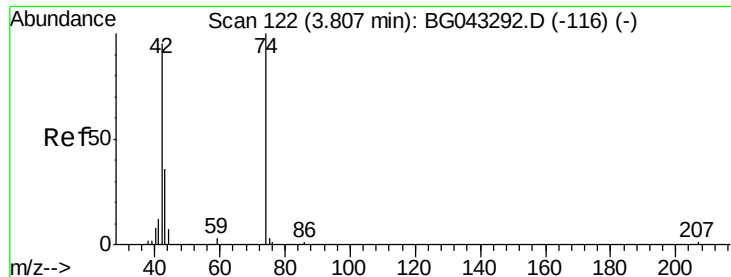
1,4-Dioxane
Concen: 9.969 ng
RT: 3.17 min Scan# 14
Delta R.T. -0.30 min
Lab File: BG043657.D
Acq: 15 Nov 2019 19:15

Tgt Ion: 88 Resp: 4590
Ion Ratio Lower Upper
88 100
58 52.7 62.7 94.1#
43 2247.2 23.7 35.5#



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



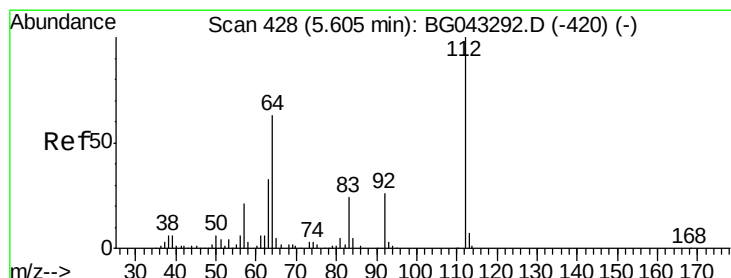
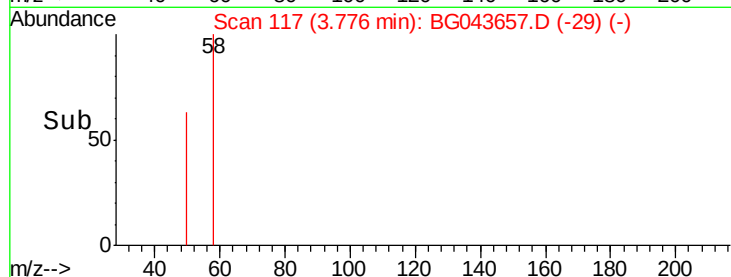
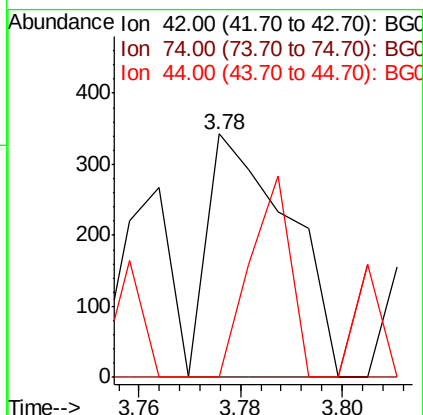
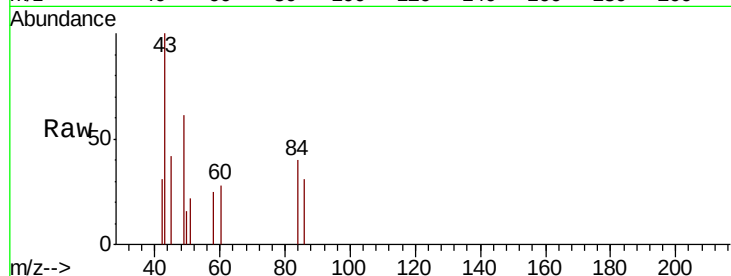


#4

n-Nitrosodimethylamine
 Concen: 0.648 ng
 RT: 3.78 min Scan# 117
 Delta R.T. -0.01 min
 Lab File: BG043657.D
 Acq: 15 Nov 2019 19:15

Instrument :
 BNA_G
 ClientSampleId :
 PB124801TB

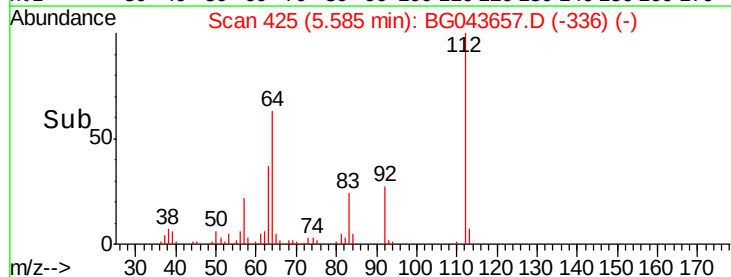
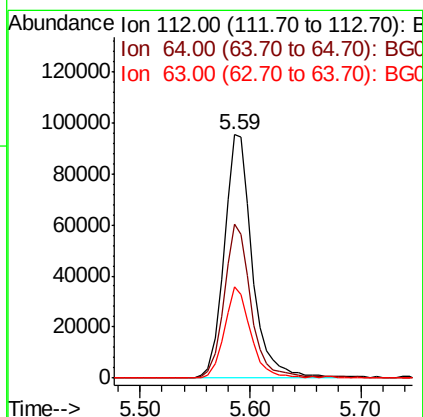
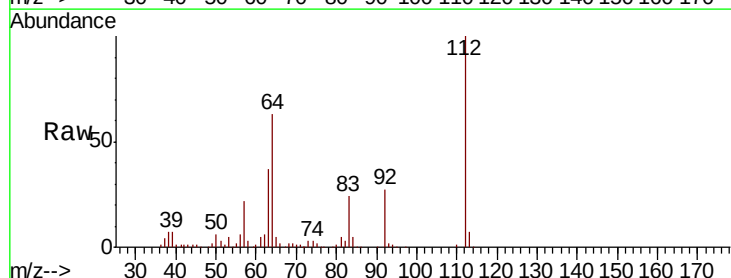
Tot Ion: 42 Resp: 380
 Ion Ratio Lower Upper
 42 100
 74 0.0 97.3 145.9#
 44 0.0 4.4 6.6#

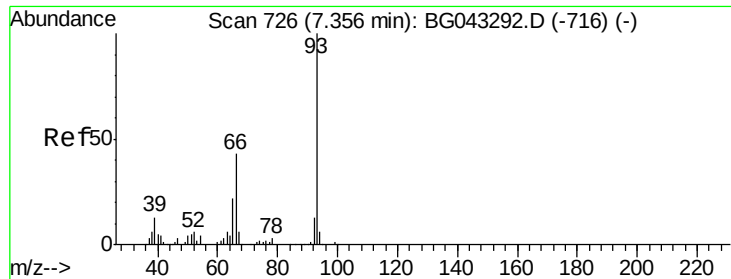


#5

2-Fluorophenol
 Concen: 142.850 ng
 RT: 5.59 min Scan# 425
 Delta R.T. -0.01 min
 Lab File: BG043657.D
 Acq: 15 Nov 2019 19:15

Tgt Ion: 112 Resp: 168782
 Ion Ratio Lower Upper
 112 100
 64 63.5 50.0 75.0
 63 37.4 26.6 40.0





#6

Aniline

Concen: 0.030 ng

RT: 7.34 min Scan# 723

Delta R.T. -0.00 min

Lab File: BG043657.D

Acq: 15 Nov 2019 19:15

Instrument :

BNA_G

ClientSampleId :

PB124801TB

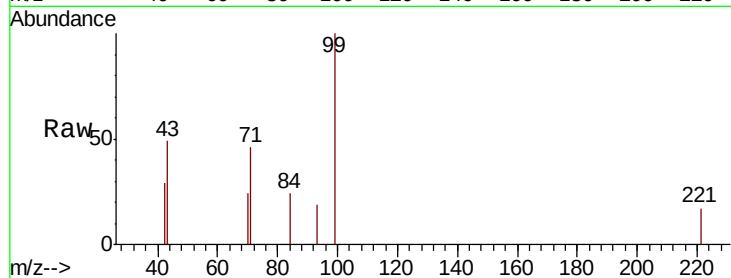
Tot Ion: 93 Resp: 59

Ion Ratio Lower Upper

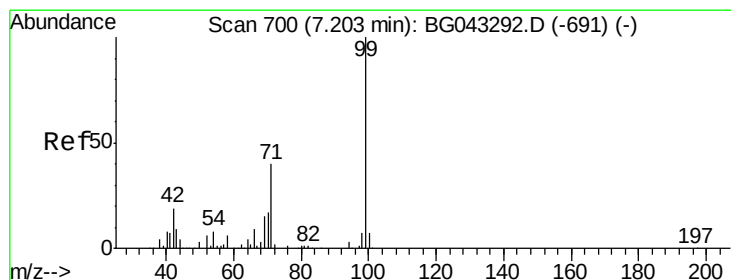
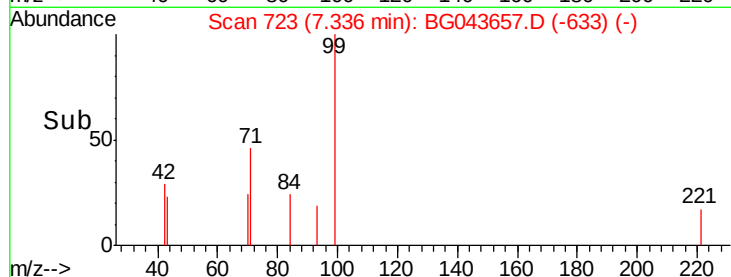
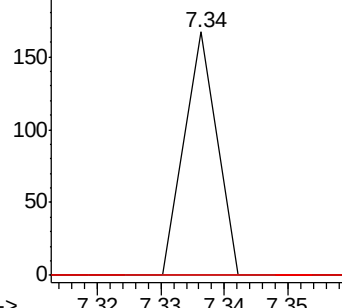
93 100

66 0.0 32.3 48.5#

65 0.0 16.1 24.1#



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: 136.279 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG043657.D

Acq: 15 Nov 2019 19:15

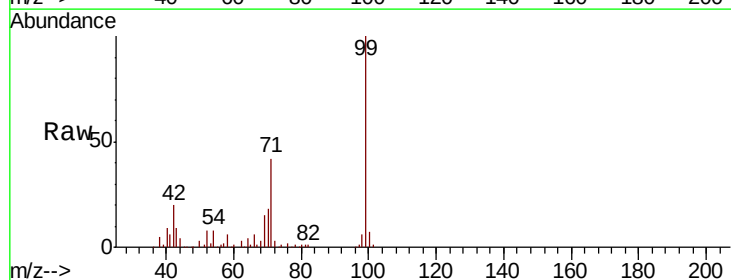
Tgt Ion: 99 Resp: 231667

Ion Ratio Lower Upper

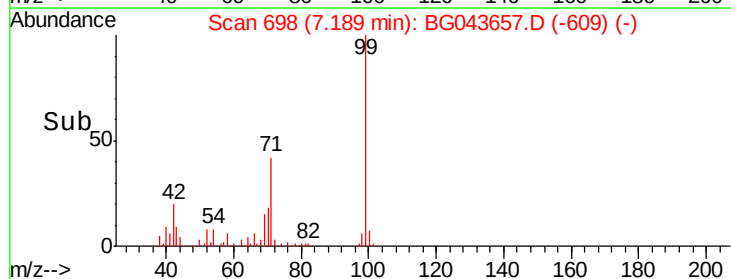
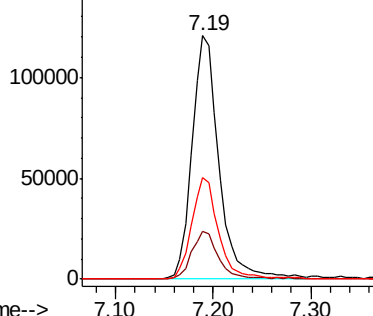
99 100

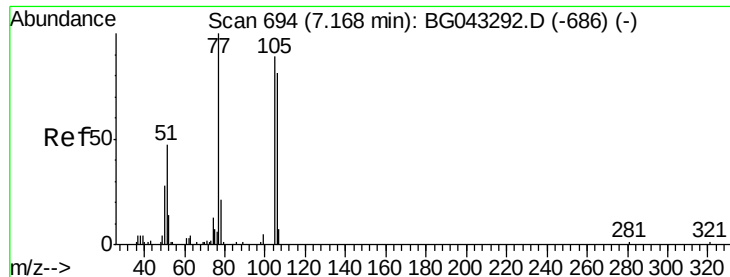
42 19.6 14.6 21.8

71 41.7 32.5 48.7



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





#9

Benzaldehyde

Concen: 0.377 ng

RT: 7.19 min Scan# 698

Delta R.T. 0.04 min

Lab File: BG043657.D

Acq: 15 Nov 2019 19:15

Instrument :

BNA_G

ClientSampled :

PB124801TB

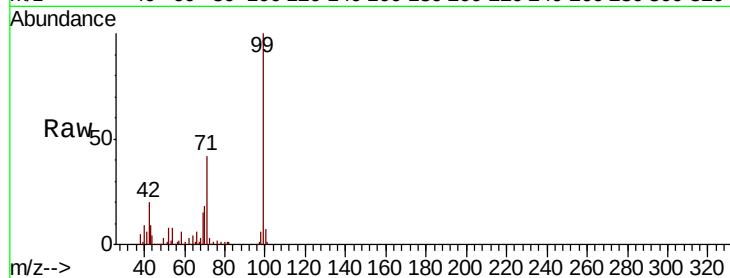
Tot Ion: 77 Resp: 315

Ion Ratio Lower Upper

77 100

105 0.0 68.6 108.6#

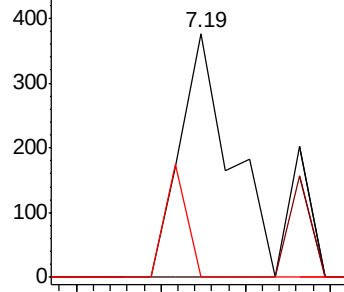
106 0.0 69.9 109.9#



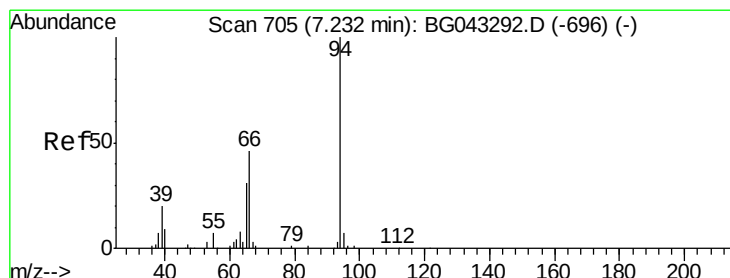
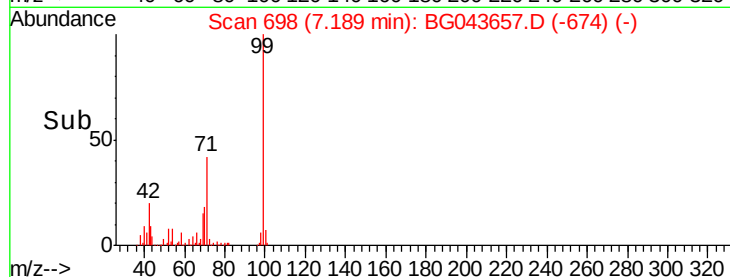
Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



Time-->



#10

Phenol

Concen: 0.244 ng

RT: 7.54 min Scan# 758

Delta R.T. 0.32 min

Lab File: BG043657.D

Acq: 15 Nov 2019 19:15

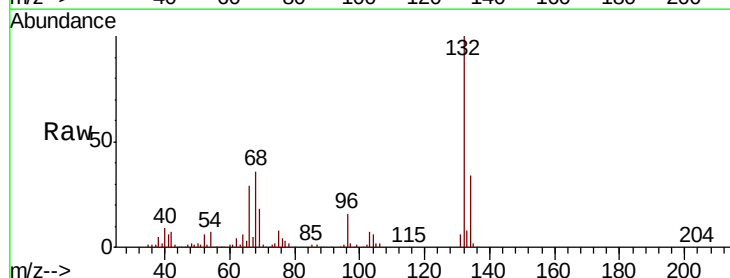
Tgt Ion: 94 Resp: 379

Ion Ratio Lower Upper

94 100

65 893.9 12.6 52.6#

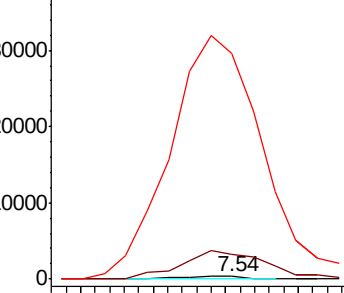
66 8134.4 30.7 70.7#



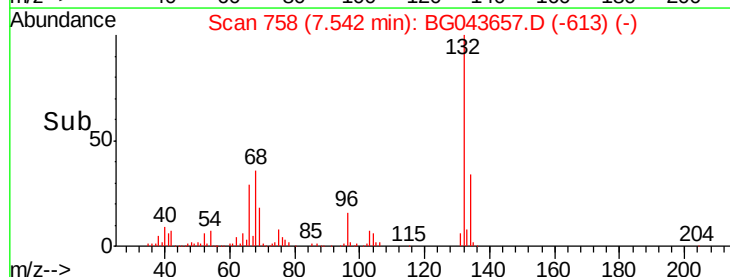
Abundance Ion 94.00 (93.70 to 94.70): BGC

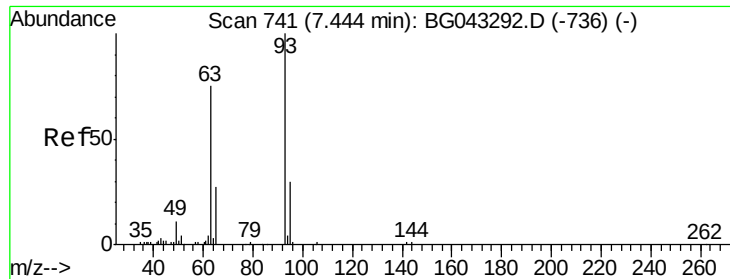
Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC



Time-->

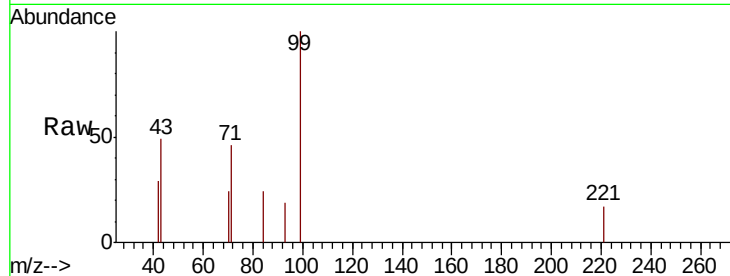




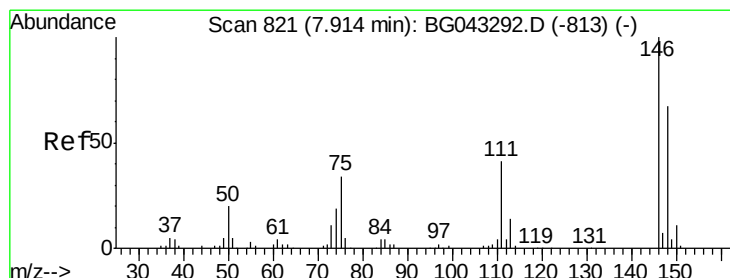
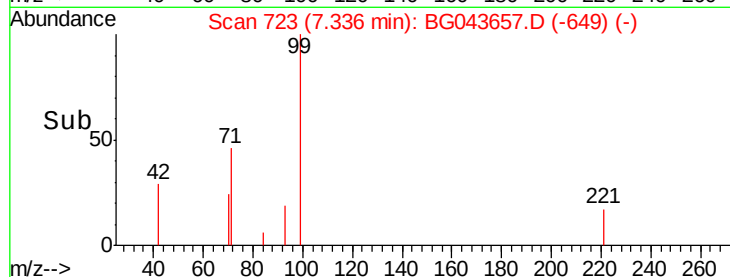
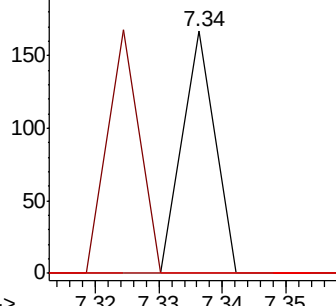
#11
 bis(2-Chloroethyl)ether
 Concen: 0.049 ng
 RT: 7.34 min Scan# 723
 Delta R.T. -0.10 min
 Lab File: BG043657.D
 Acq: 15 Nov 2019 19:15

Instrument :
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 ClientSampleId :
 PB124801TB

Tot Ion: 93 Resp: 59
 Ion Ratio Lower Upper
 93 100
 63 0.0 56.3 96.3#
 95 0.0 12.2 52.2#

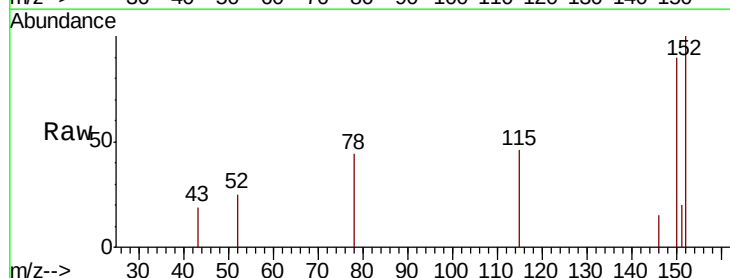


Abundance Ion 93.00 (92.70 to 93.70): BGC
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 95.00 (94.70 to 95.70): BGC

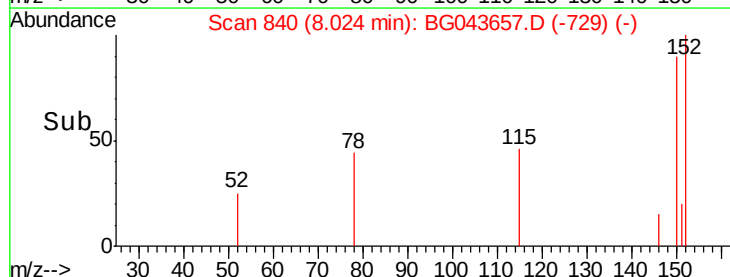
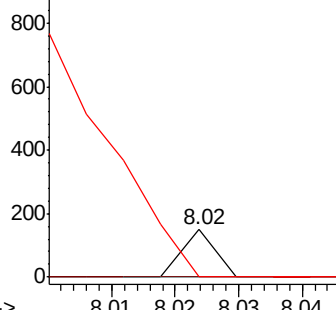


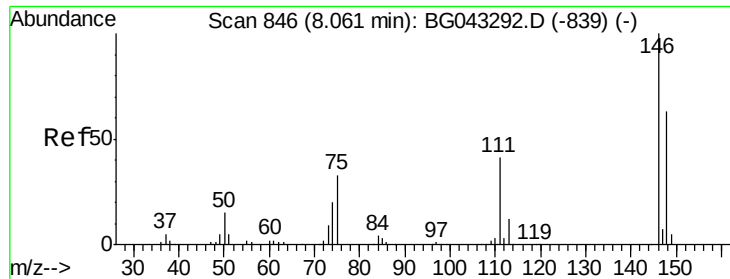
#12
 1,3-Dichlorobenzene
 Concen: 0.032 ng
 RT: 8.02 min Scan# 840
 Delta R.T. 0.12 min
 Lab File: BG043657.D
 Acq: 15 Nov 2019 19:15

Tgt Ion: 146 Resp: 53
 Ion Ratio Lower Upper
 146 100
 148 0.0 50.3 75.5#
 75 0.0 24.6 37.0#



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): BGC

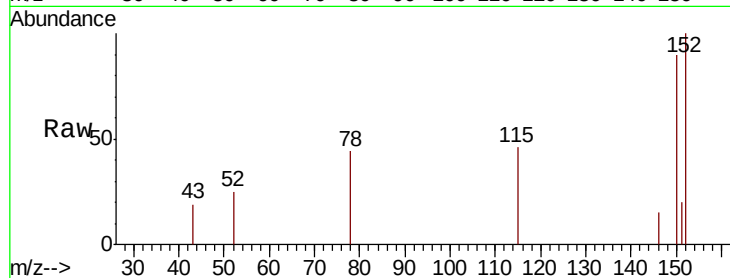




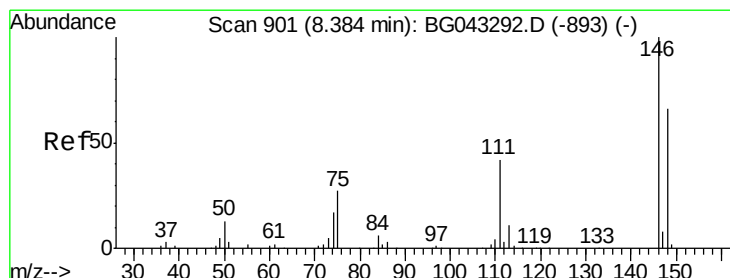
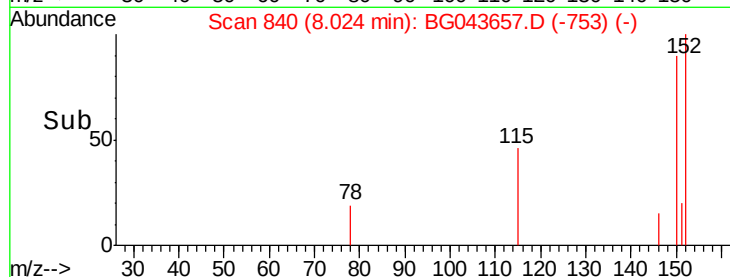
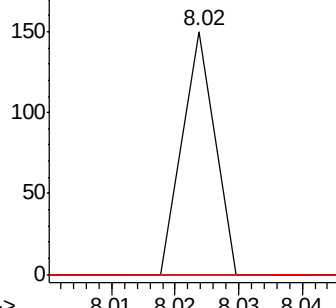
#13
 1,4-Dichlorobenzene
 Concen: 0.032 ng
 RT: 8.02 min Scan# 840
 Delta R.T. -0.02 min
 Lab File: BG043657.D
 Acq: 15 Nov 2019 19:15

Instrument :
 BNA_G
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 PB124801TB

Tot Ion:146 Resp: 53
 Ion Ratio Lower Upper
 146 100
 148 0.0 50.7 76.1#
 111 0.0 33.4 50.2#

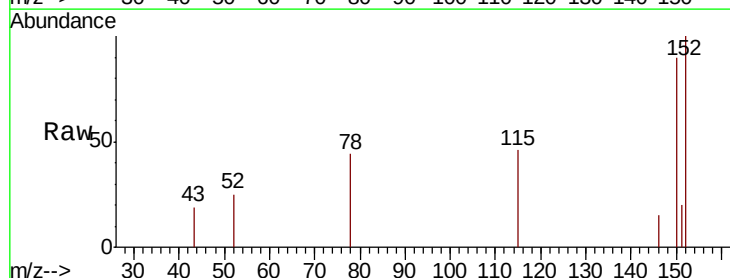


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

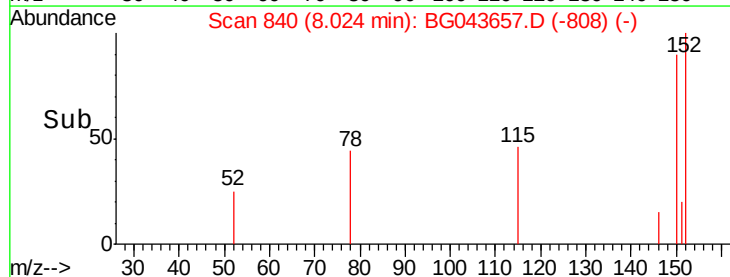
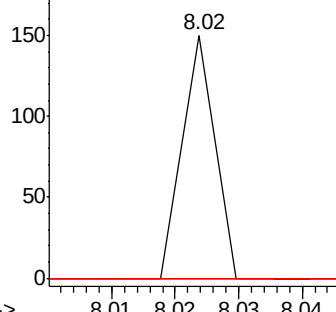


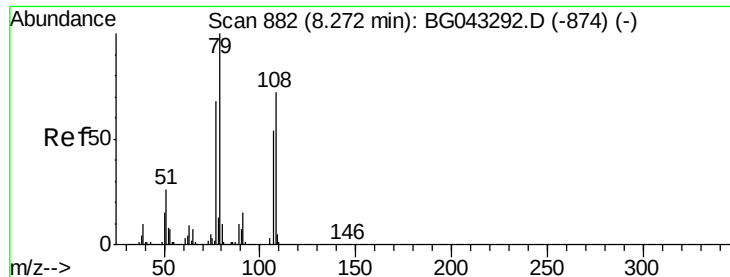
#14
 1,2-Dichlorobenzene
 Concen: 0.033 ng
 RT: 8.02 min Scan# 840
 Delta R.T. -0.34 min
 Lab File: BG043657.D
 Acq: 15 Nov 2019 19:15

Tgt Ion:146 Resp: 53
 Ion Ratio Lower Upper
 146 100
 148 0.0 53.2 79.8#
 111 0.0 35.8 53.6#



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

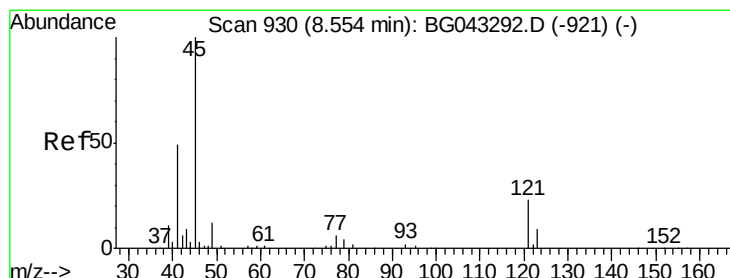
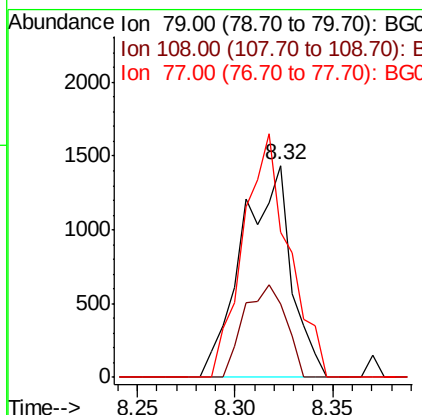
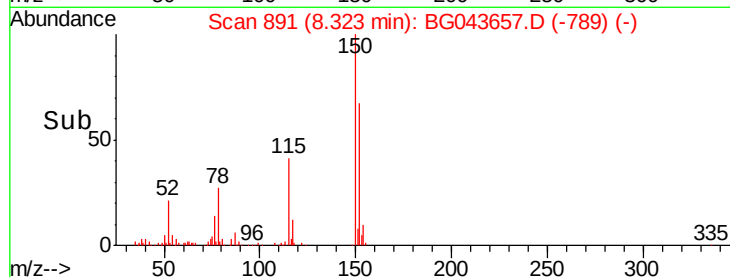
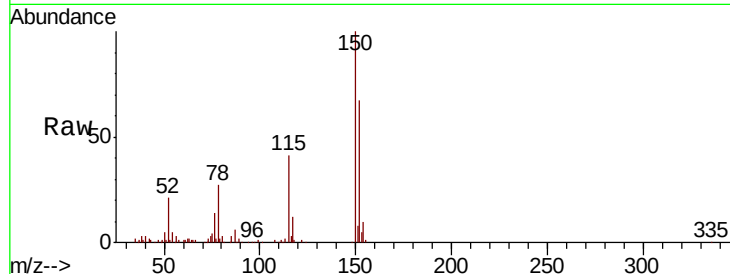




#15
Benzyl Alcohol
Concen: 2.089 ng
RT: 8.32 min Scan# 891
Delta R.T. 0.07 min
Lab File: BG043657.D
Acq: 15 Nov 2019 19:15

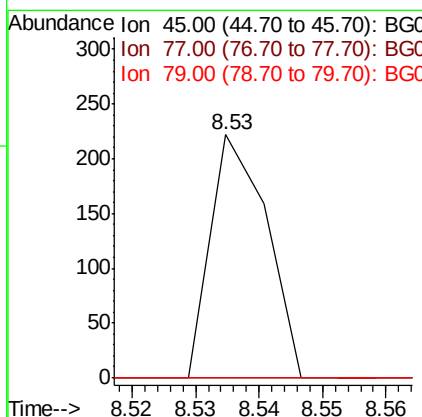
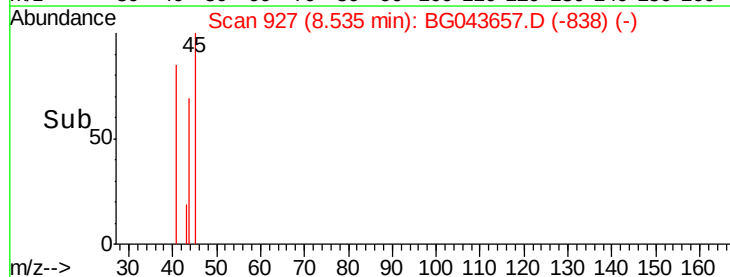
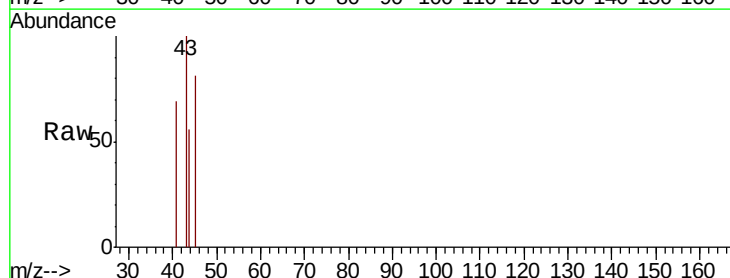
Instrument :
BNA_G
ClientSampleId :
PB124801TB

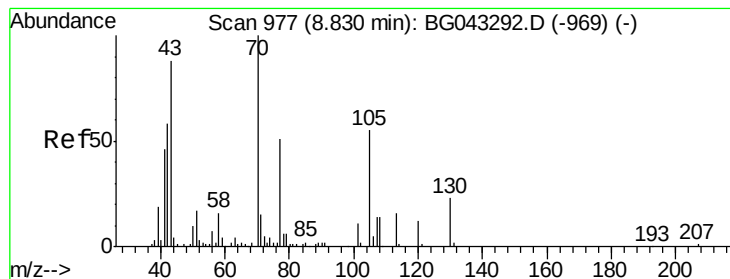
Tot Ion: 79 Resp: 2494
Ion Ratio Lower Upper
79 100
108 34.5 53.6 80.4#
77 68.6 49.6 74.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 0.077 ng
RT: 8.53 min Scan# 927
Delta R.T. -0.01 min
Lab File: BG043657.D
Acq: 15 Nov 2019 19:15

Tgt Ion: 45 Resp: 134
Ion Ratio Lower Upper
45 100
77 0.0 0.0 34.9
79 0.0 0.0 33.0





#19

n-Nitroso-di-n-propylamine

Concen: 17.228 ng

RT: 9.15 min Scan# 1032

Delta R.T. 0.34 min

Lab File: BG043657.D

Acq: 15 Nov 2019 19:15

Instrument :

BNA_G

ClientSampleId :

PB124801TB

Tot Ion: 70 Resp: 18925

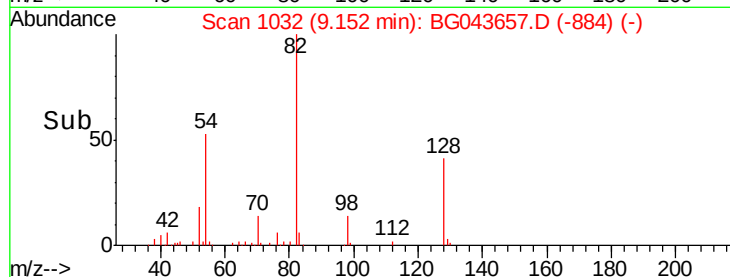
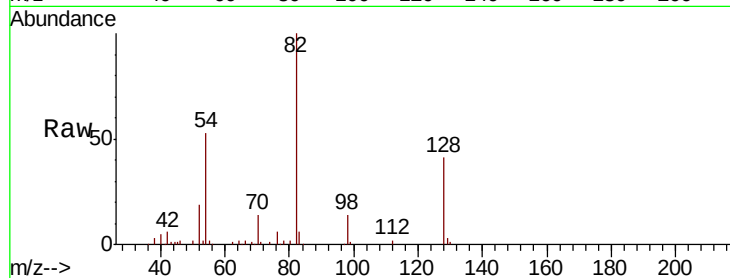
Ion Ratio Lower Upper

70 100

42 44.0 41.4 62.2

101 0.0 7.9 11.9#

130 4.0 19.0 28.4#

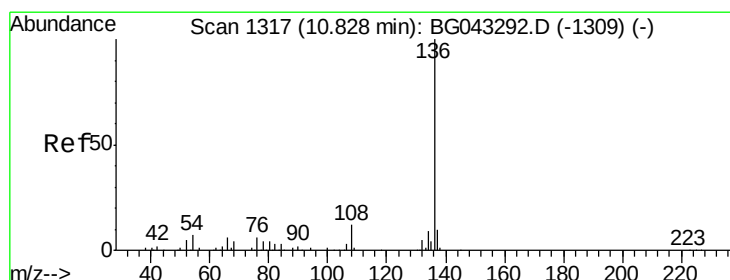
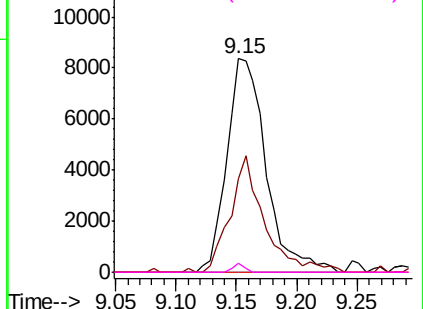


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.80 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BG043657.D

Acq: 15 Nov 2019 19:15

Tgt Ion: 136 Resp: 71499

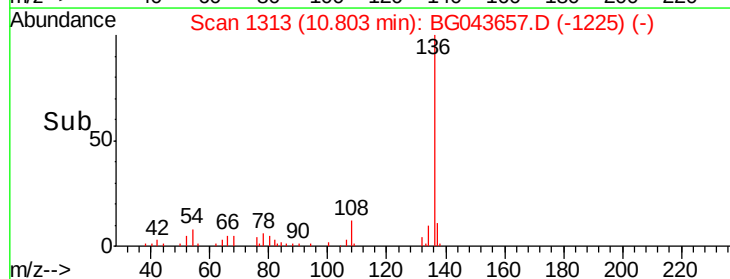
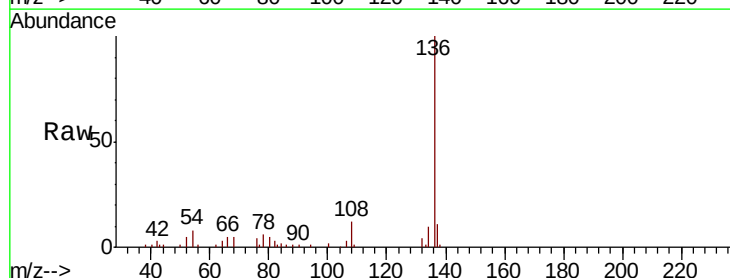
Ion Ratio Lower Upper

136 100

137 10.6 8.7 13.1

54 8.2 5.4 8.2#

68 5.0 3.0 4.4#

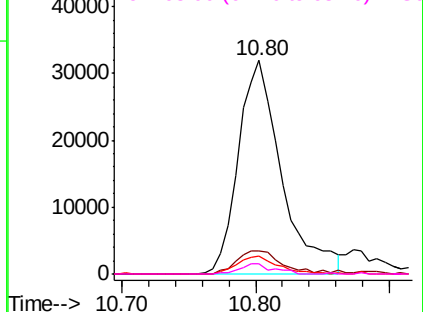


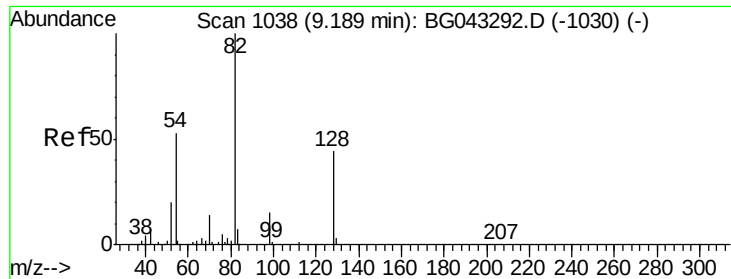
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

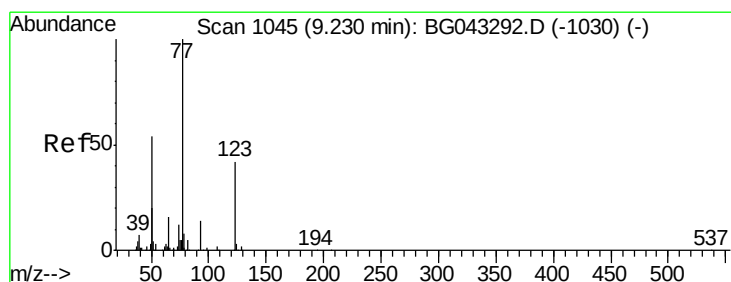
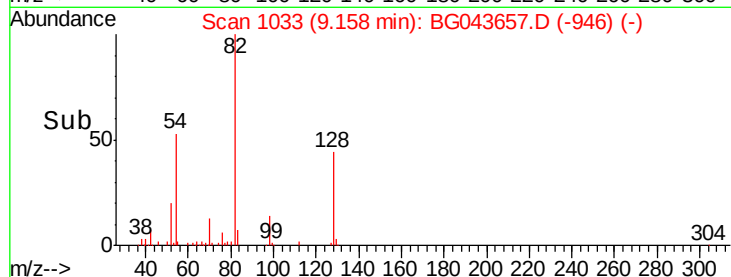
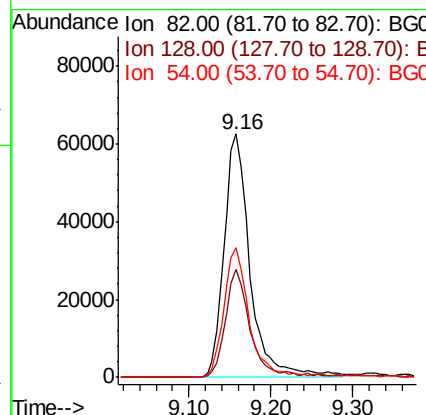
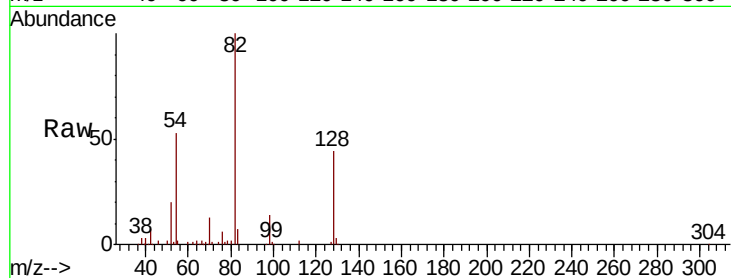




#23
 Nitrobenzene-d5
 Concen: 99.778 ng
 RT: 9.16 min Scan# 1033
 Delta R.T. -0.02 min
 Lab File: BG043657.D
 Acq: 15 Nov 2019 19:15

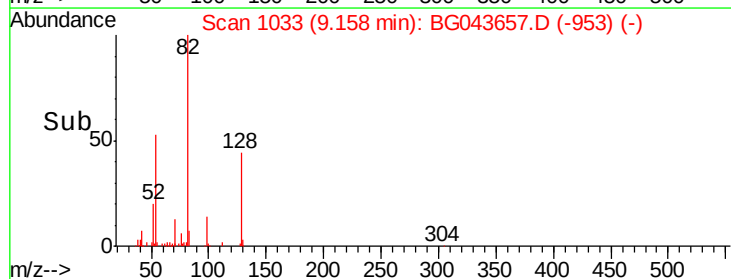
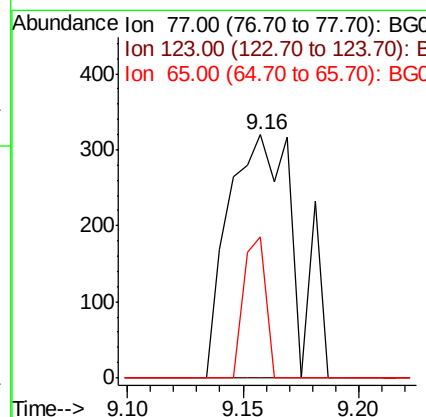
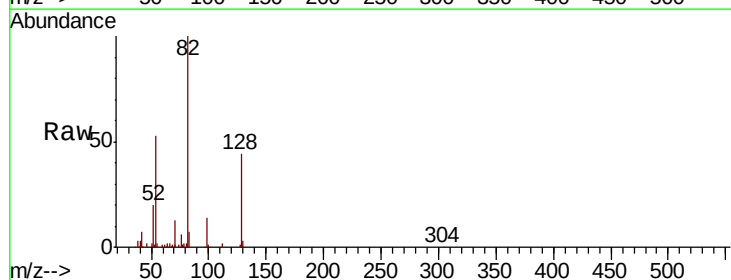
Instrument :
 BNA_G
 ClientSampleId :
 PB124801TB

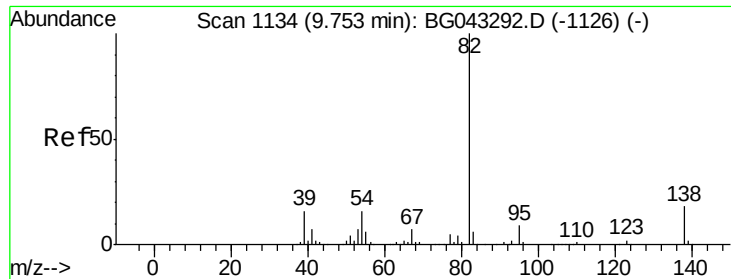
Tot Ion	82	Resp	138378
Ion Ratio	Lower	Upper	
82	100		
128	44.1	35.0	52.6
54	53.3	40.2	60.2



#24
 Nitrobenzene
 Concen: 0.490 ng
 RT: 9.16 min Scan# 1033
 Delta R.T. -0.06 min
 Lab File: BG043657.D
 Acq: 15 Nov 2019 19:15

Tgt Ion	77	Resp	648
Ion Ratio	Lower	Upper	
77	100		
123	0.0	35.0	52.6#
65	57.8	9.5	14.3#





#25

Isophorone

Concen: 0.087 ng

RT: 9.73 min Scan# 1130

Delta R.T. -0.01 min

Lab File: BG043657.D

Acq: 15 Nov 2019 19:15

Instrument :

BNA_G

ClientSampleId :

PB124801TB

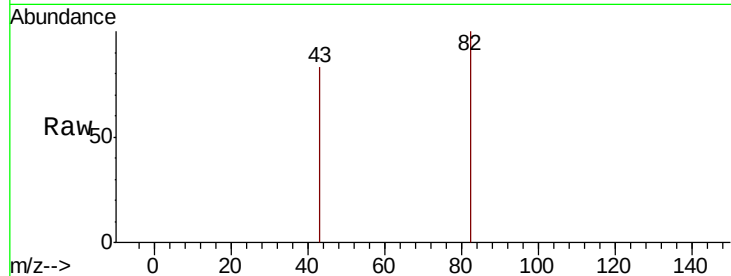
Tot Ion: 82 Resp: 220

Ion Ratio Lower Upper

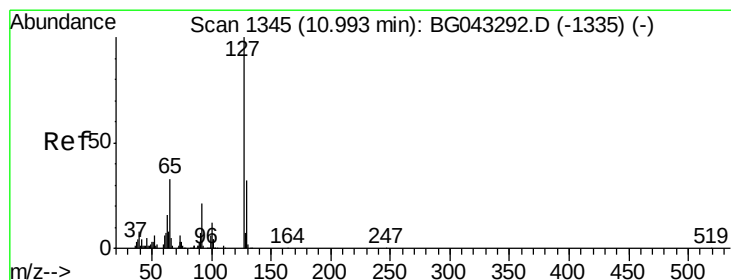
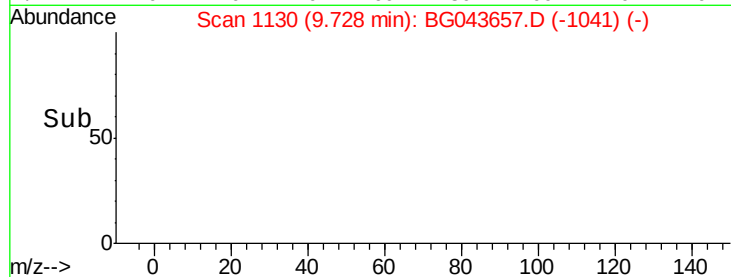
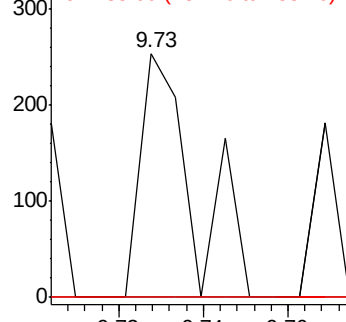
82 100

95 0.0 6.6 9.8#

138 0.0 15.2 22.8#



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#33

4-Chloroaniline

Concen: 0.044 ng

RT: 10.91 min Scan# 1332

Delta R.T. -0.07 min

Lab File: BG043657.D

Acq: 15 Nov 2019 19:15

Tgt Ion: 127 Resp: 65

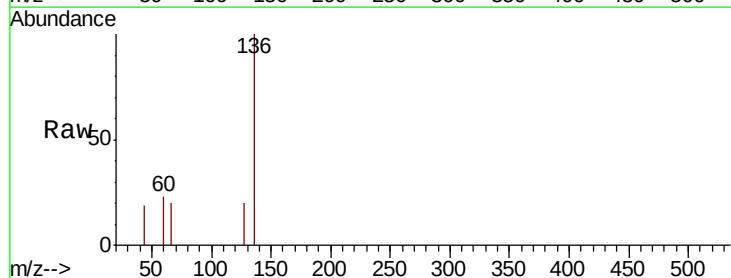
Ion Ratio Lower Upper

127 100

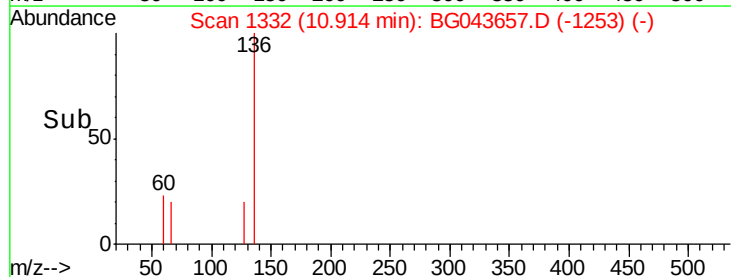
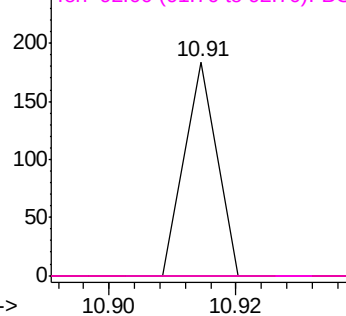
129 0.0 26.5 39.7#

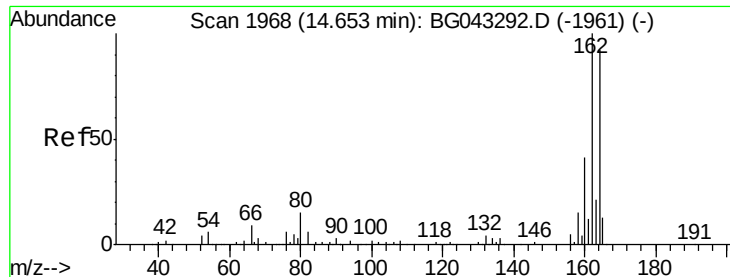
65 0.0 26.4 39.6#

92 0.0 16.2 24.2#



Abundance Ion 127.00 (126.70 to 127.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1964

Delta R.T. -0.01 min

Lab File: BG043657.D

Acq: 15 Nov 2019 19:15

Instrument :

BNA_G

ClientSampleId :

PB124801TB

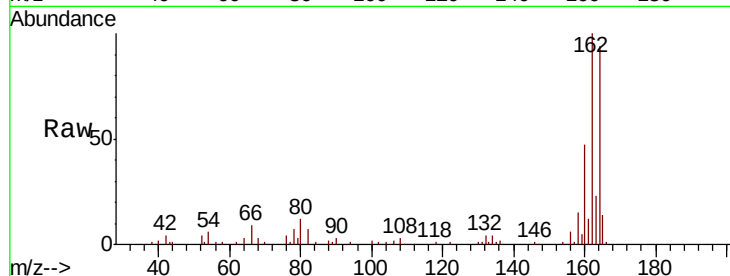
Tot Ion:164 Resp: 60163

Ion	Ratio	Lower	Upper
164	100		
162	106.2	83.5	125.3
160	49.5	36.5	54.7

164 100

162 106.2 83.5 125.3

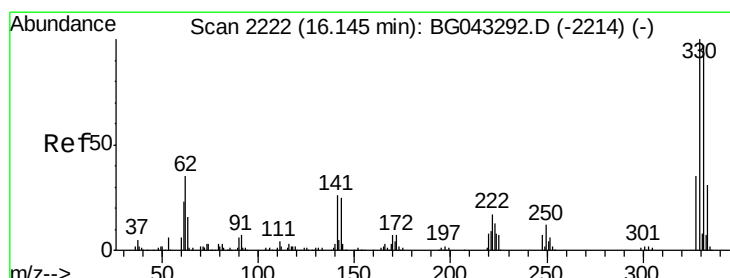
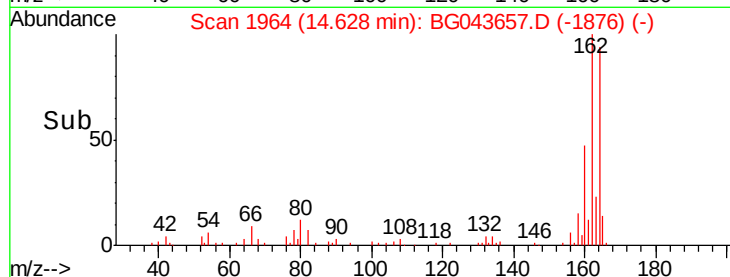
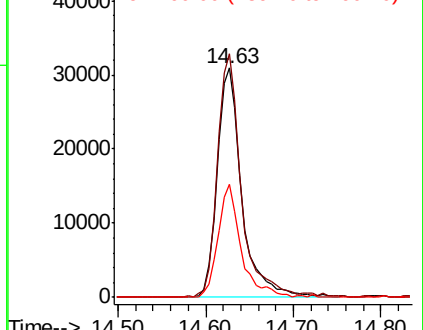
160 49.5 36.5 54.7



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: 126.611 ng

RT: 16.12 min Scan# 2218

Delta R.T. -0.01 min

Lab File: BG043657.D

Acq: 15 Nov 2019 19:15

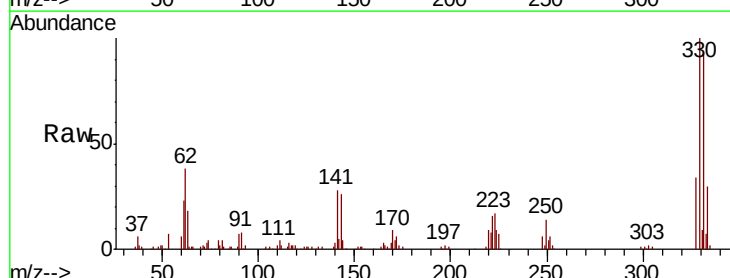
Tgt Ion:330 Resp: 144958

Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.4	116.0
141	28.3	22.8	34.2

330 100

332 95.6 77.4 116.0

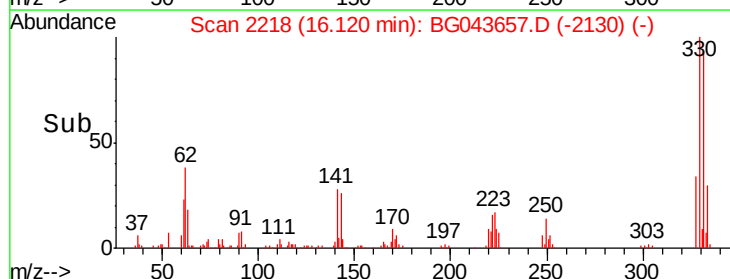
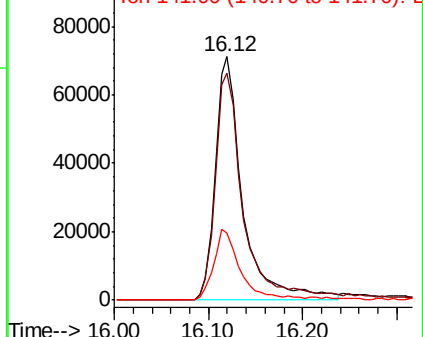
141 28.3 22.8 34.2

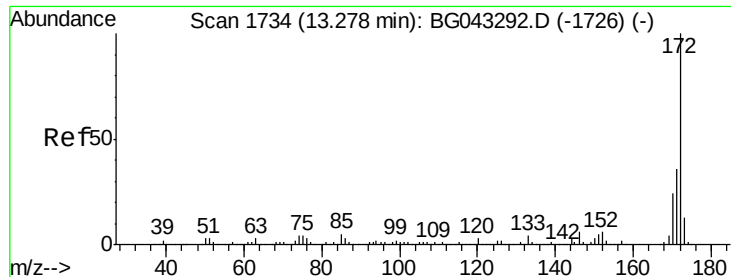


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

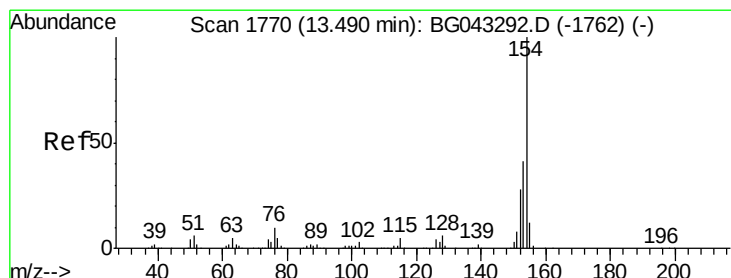
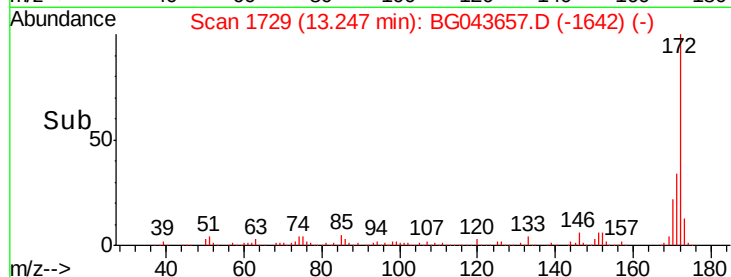
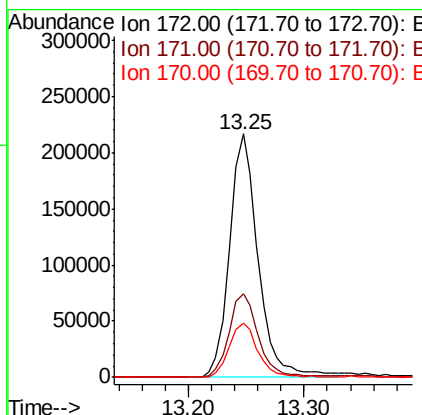
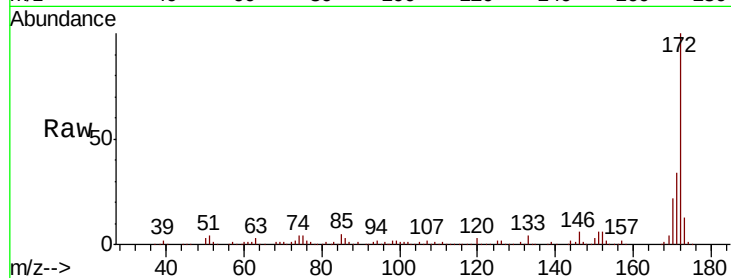




#45
2-Fluorobiphenyl
Concen: 85.500 ng
RT: 13.25 min Scan# 1729
Delta R.T. -0.02 min
Lab File: BG043657.D
Acq: 15 Nov 2019 19:15

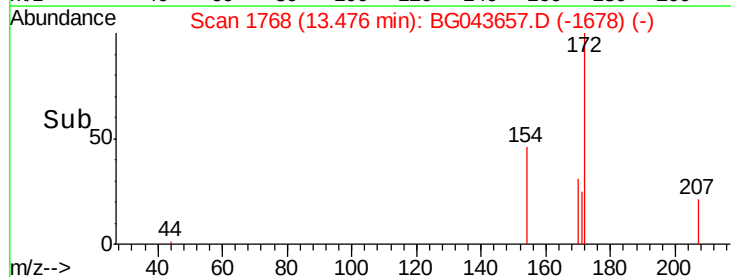
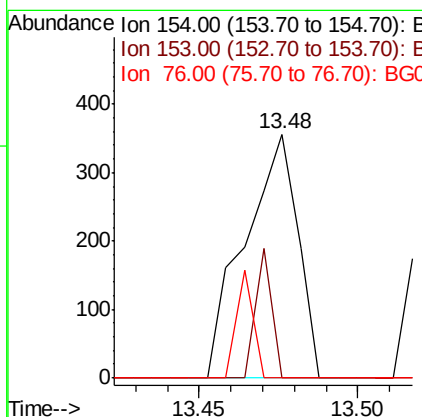
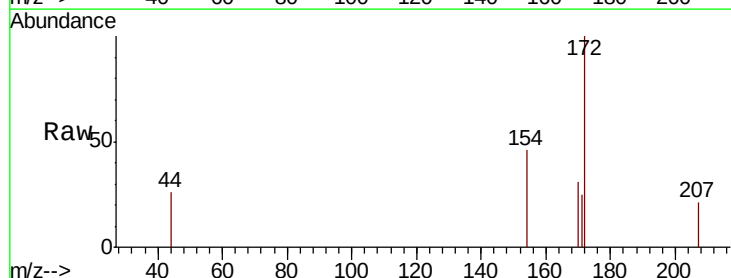
Instrument :
BNA_G
ClientSampleId :
PB124801TB

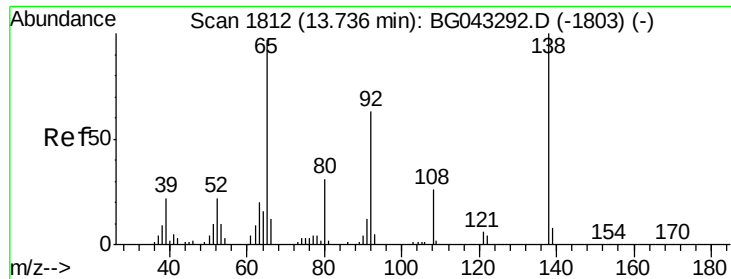
Tot Ion:172 Resp: 372262
Ion Ratio Lower Upper
172 100
171 34.2 28.9 43.3
170 22.5 18.5 27.7



#46
1,1'-Biphenyl
Concen: 0.090 ng
RT: 13.48 min Scan# 1768
Delta R.T. -0.00 min
Lab File: BG043657.D
Acq: 15 Nov 2019 19:15

Tgt Ion:154 Resp: 413
Ion Ratio Lower Upper
154 100
153 0.0 19.9 59.9#
76 0.0 0.0 29.4

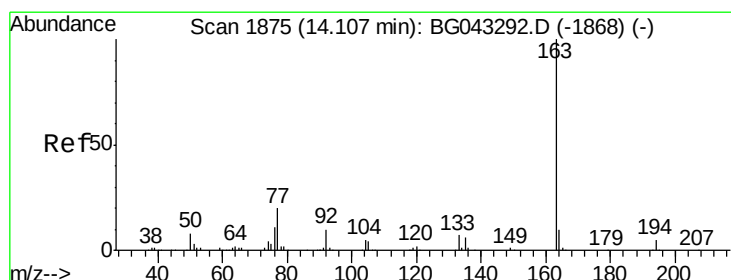
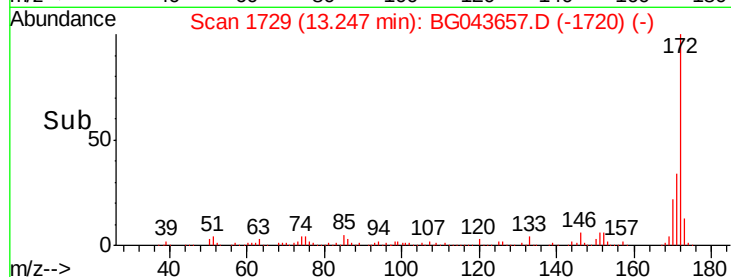
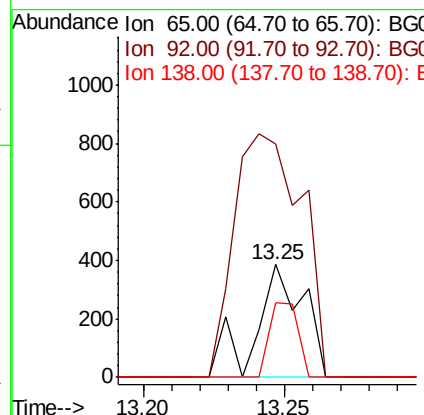
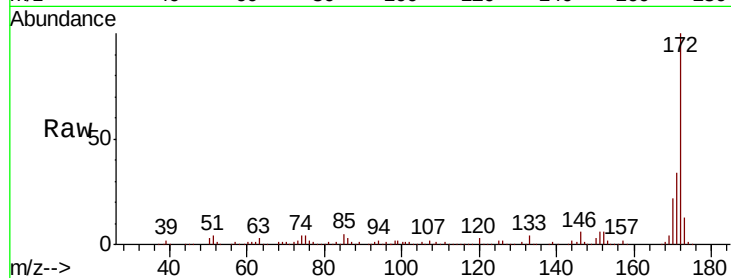




#48
2-Nitroaniline
Concen: 0.437 ng
RT: 13.25 min Scan# 1729
Delta R.T. -0.48 min
Lab File: BG043657.D
Acq: 15 Nov 2019 19:15

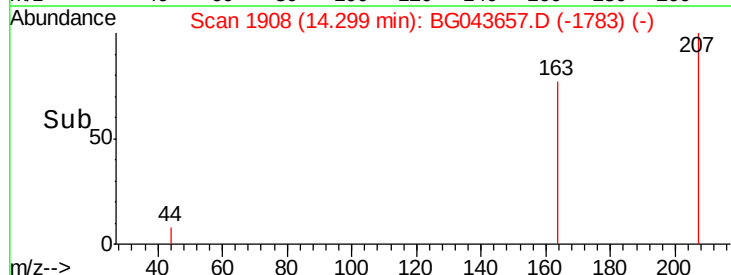
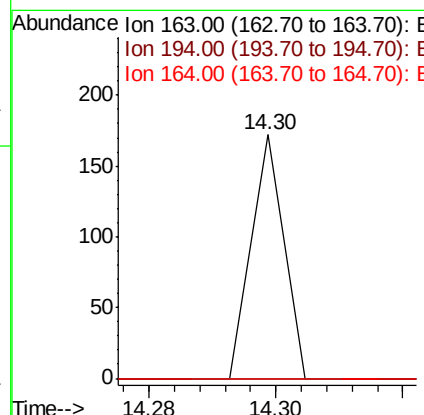
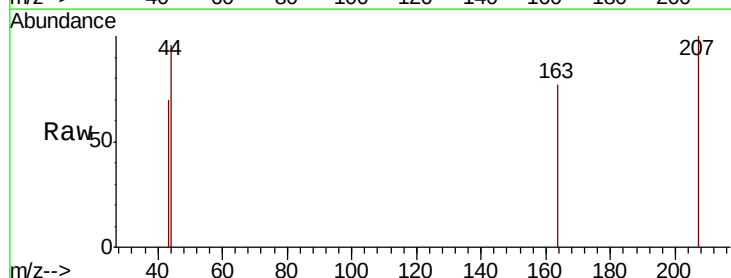
Instrument :
BNA_G
ClientSampled :
PB124801TB

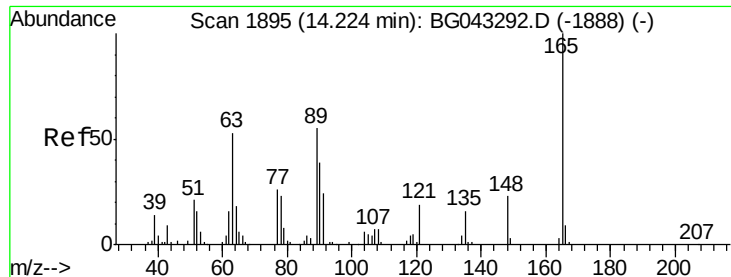
Tot Ion: 65 Resp: 455
Ion Ratio Lower Upper
65 100
92 207.8 56.2 84.2#
138 66.8 82.6 123.8#



#50
Dimethylphthalate
Concen: 0.013 ng
RT: 14.30 min Scan# 1908
Delta R.T. 0.20 min
Lab File: BG043657.D
Acq: 15 Nov 2019 19:15

Tgt Ion: 163 Resp: 61
Ion Ratio Lower Upper
163 100
194 0.0 3.8 5.6#
164 0.0 8.9 13.3#





#51

2,6-Dinitrotoluene

Concen: 7.736 ng

RT: 14.63 min Scan# 1964

Delta R.T. 0.42 min

Lab File: BG043657.D

Acq: 15 Nov 2019 19:15

Instrument :

BNA_G

ClientSampleId :

PB124801TB

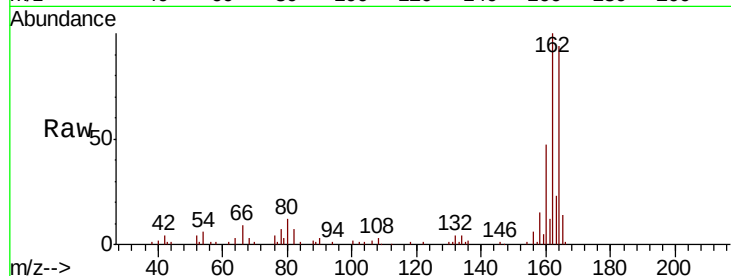
Tot Ion:165 Resp: 7832

Ion Ratio Lower Upper

165 100

63 0.0 46.6 69.8#

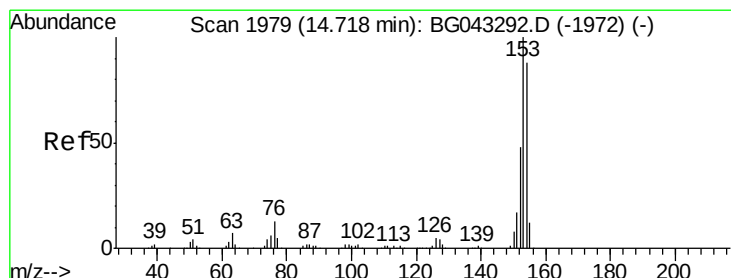
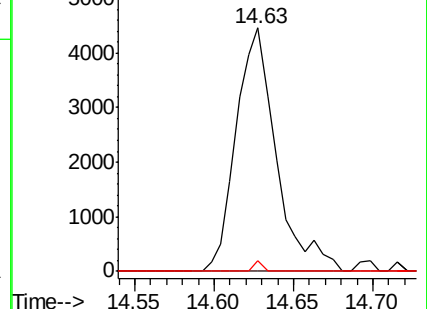
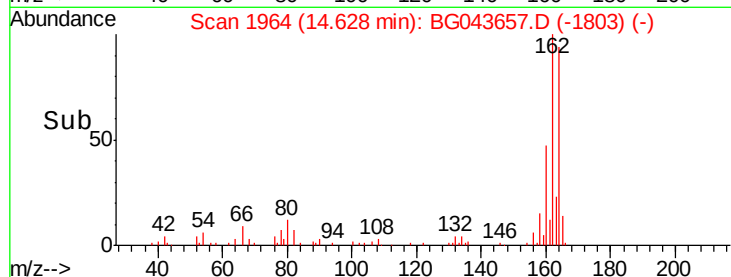
89 4.1 45.1 67.7#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG



#52

Acenaphthene

Concen: 0.044 ng

RT: 14.64 min Scan# 1966

Delta R.T. -0.07 min

Lab File: BG043657.D

Acq: 15 Nov 2019 19:15

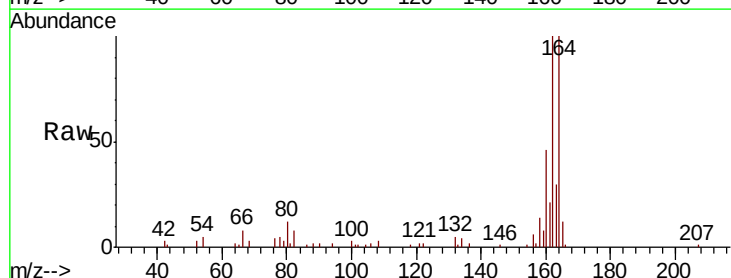
Tgt Ion:154 Resp: 147

Ion Ratio Lower Upper

154 100

153 0.0 88.2 132.2#

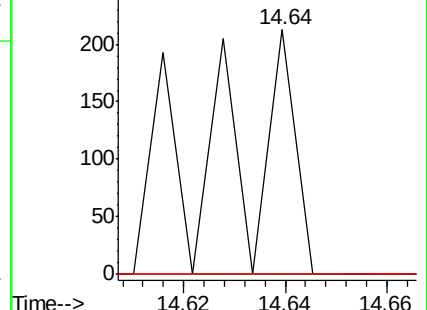
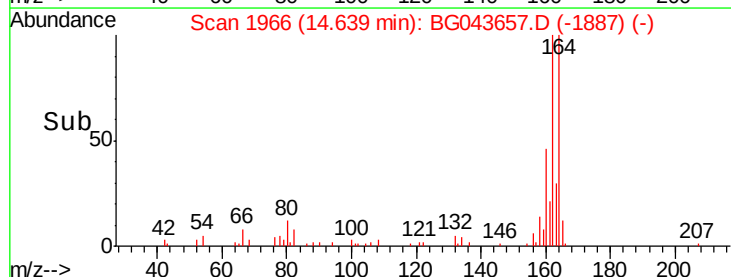
152 0.0 40.0 60.0#

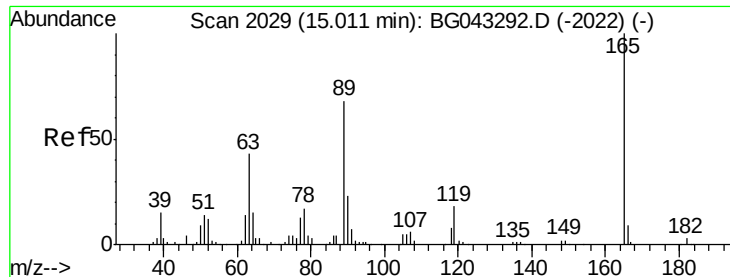


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

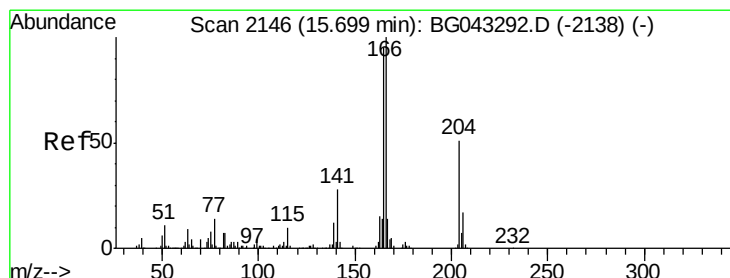
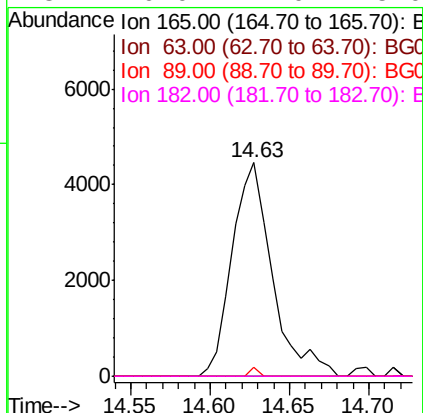
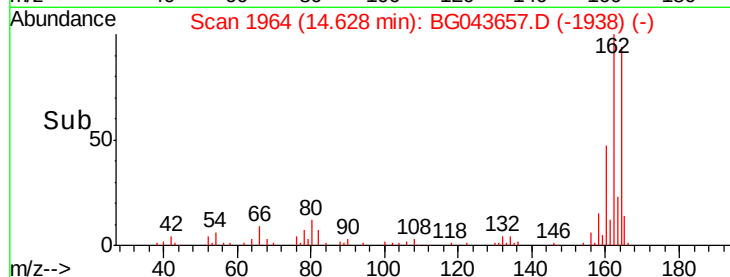
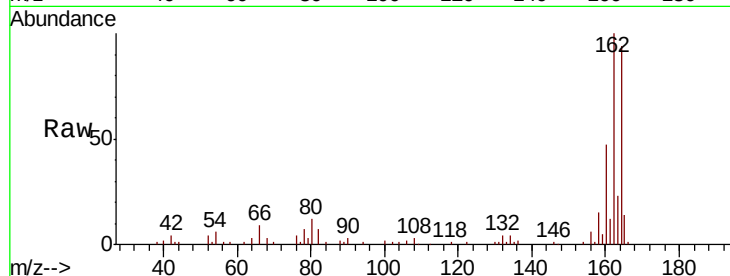




#57
2,4-Dinitrotoluene
Concen: 5.413 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.38 min
Lab File: BG043657.D
Acq: 15 Nov 2019 19:15

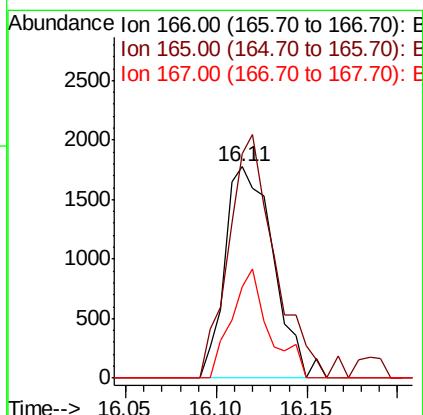
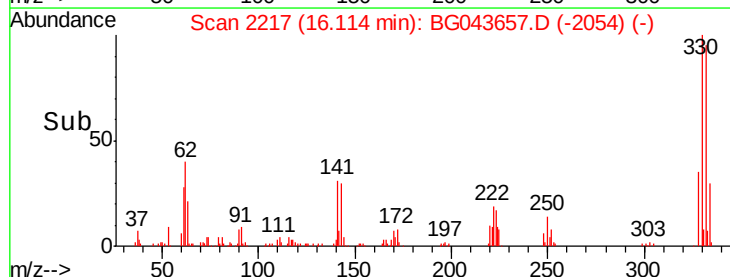
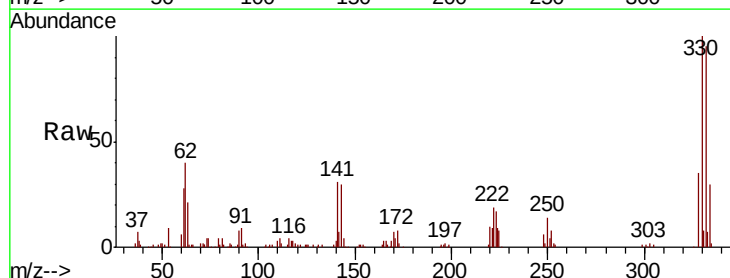
Instrument :
BNA_G
ClientSampleId :
PB124801TB

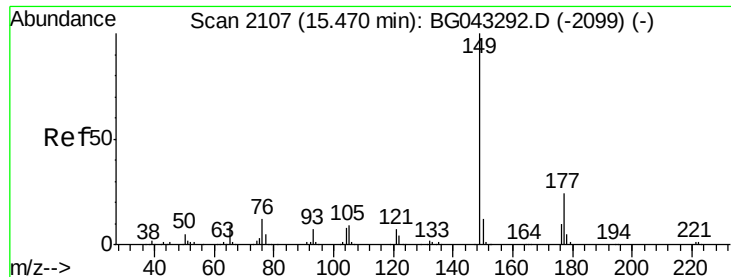
Tot Ion:165	Resp:	7832
Ion	Ratio	Lower Upper
165	100	
63	0.0	33.2 49.8#
89	4.1	52.2 78.4#
182	0.0	2.0 3.0#



#58
Fluorene
Concen: 0.732 ng
RT: 16.11 min Scan# 2217
Delta R.T. 0.43 min
Lab File: BG043657.D
Acq: 15 Nov 2019 19:15

Tgt Ion:166	Resp:	3292
Ion	Ratio	Lower Upper
166	100	
165	106.1	79.0 118.6
167	43.5	10.5 15.7#





#60

Diethylphthalate

Concen: 0.015 ng

RT: 14.93 min Scan# 2016

Delta R.T. -0.52 min

Lab File: BG043657.D

Acq: 15 Nov 2019 19:15

Instrument :

BNA_G

ClientSampleId :

PB124801TB

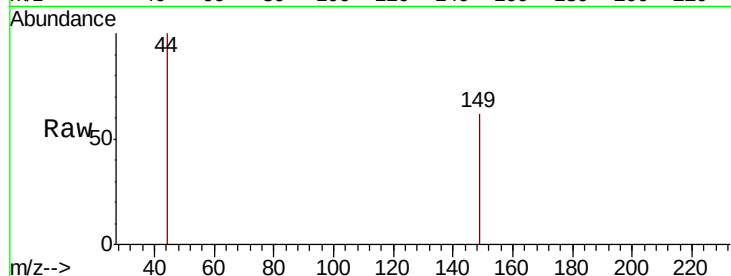
Tot Ion:149 Resp: 71

Ion Ratio Lower Upper

149 100

177 0.0 19.6 29.4#

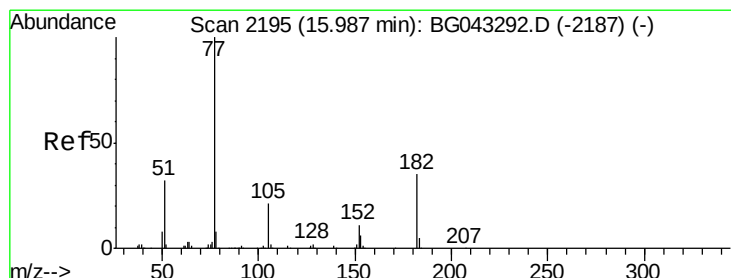
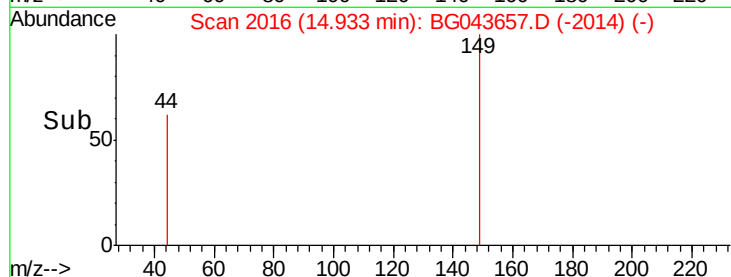
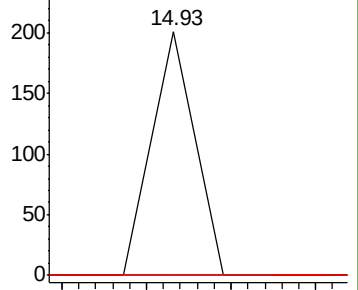
150 0.0 10.8 16.2#



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: 0.085 ng

RT: 16.13 min Scan# 2219

Delta R.T. 0.15 min

Lab File: BG043657.D

Acq: 15 Nov 2019 19:15

Tgt Ion: 77 Resp: 324

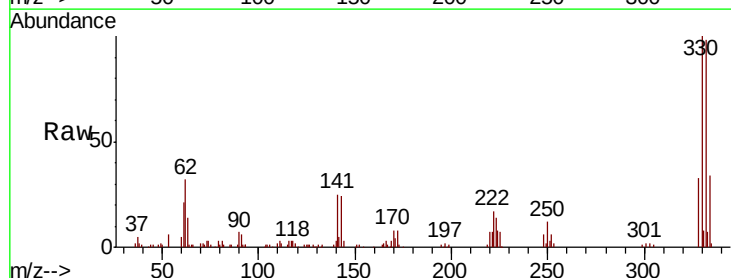
Ion Ratio Lower Upper

77 100

182 0.0 13.7 53.7#

105 0.0 0.4 40.4#

51 0.0 11.0 51.0#

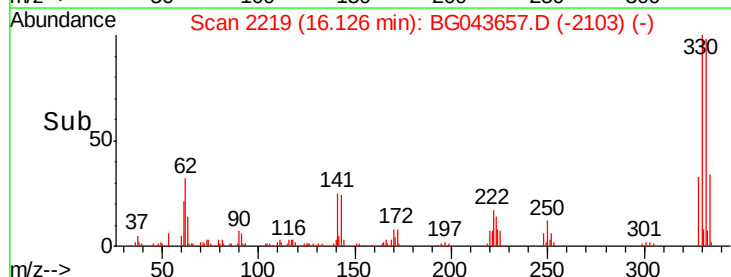
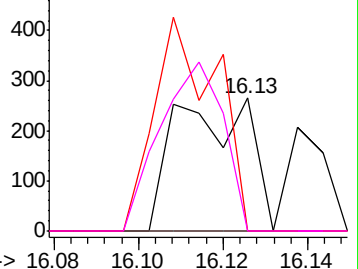


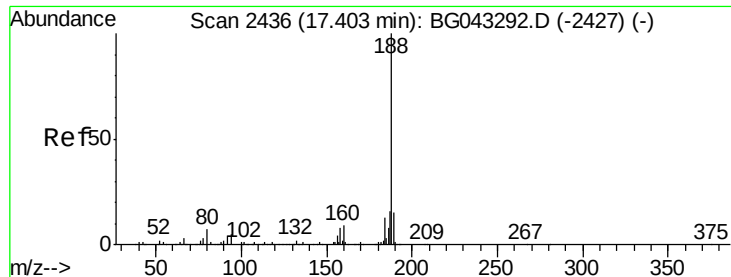
Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BGC





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.37 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BG043657.D

Acq: 15 Nov 2019 19:15

Instrument :

BNA_G

ClientSampleId :

PB124801TB

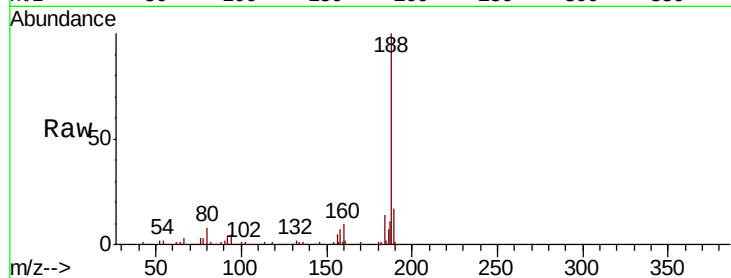
Tot Ion:188 Resp: 161580

Ion Ratio Lower Upper

188 100

94 5.4 4.2 6.4

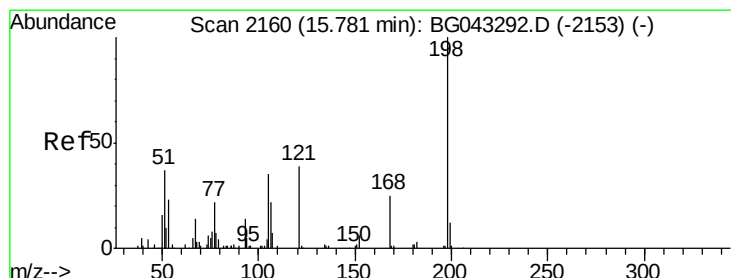
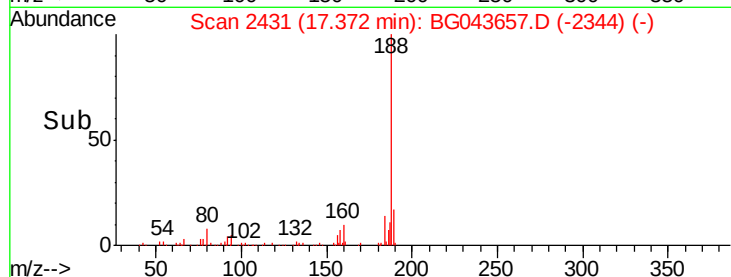
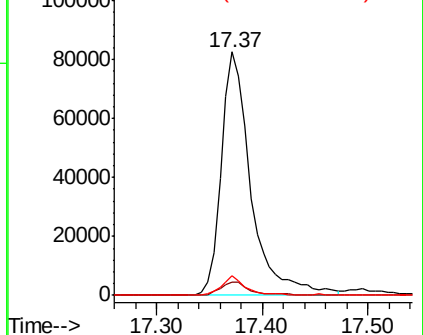
80 8.1 4.5 6.7#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 0.392 ng

RT: 16.11 min Scan# 2216

Delta R.T. 0.33 min

Lab File: BG043657.D

Acq: 15 Nov 2019 19:15

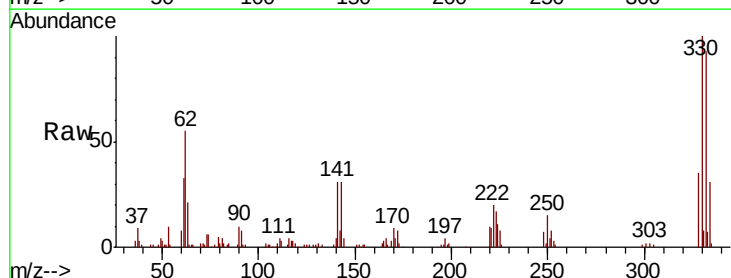
Tgt Ion:198 Resp: 373

Ion Ratio Lower Upper

198 100

51 103.1 13.2 53.2#

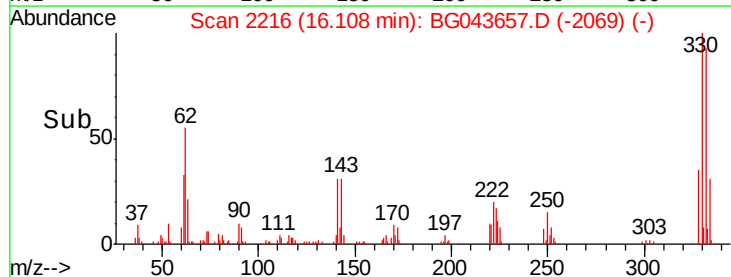
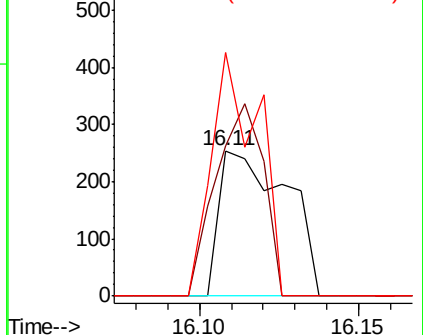
105 167.7 15.8 55.8#

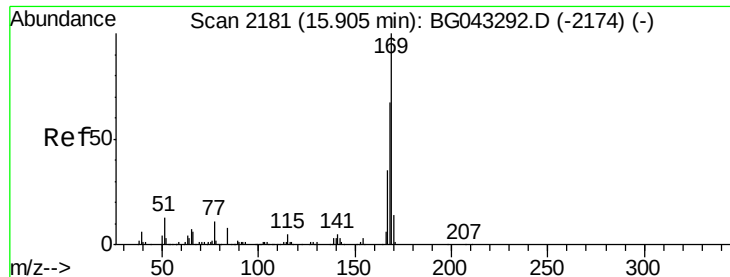


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

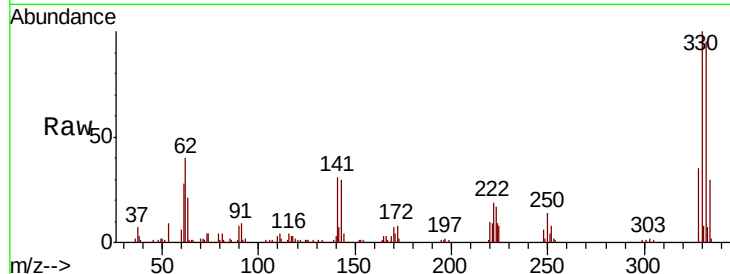




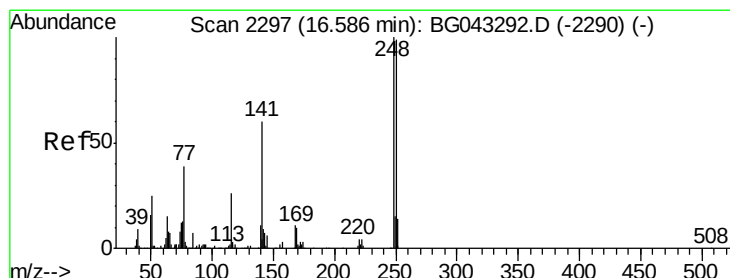
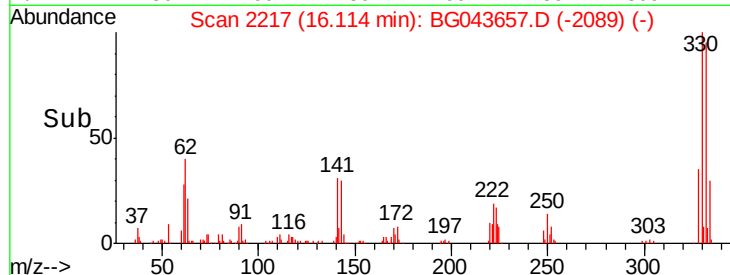
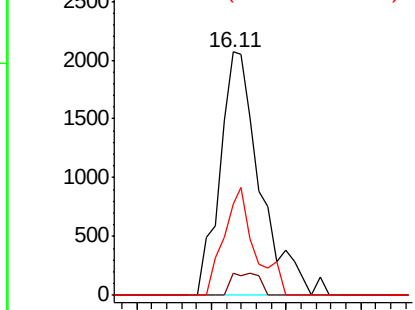
#66
 n-Nitrosodiphenylamine
 Concen: 0.859 ng
 RT: 16.11 min Scan# 2217
 Delta R.T. 0.22 min
 Lab File: BG043657.D
 Acq: 15 Nov 2019 19:15

Instrument :
 BNA_G
 ClientSampleId :
 PB124801TB

Tot Ion:169 Resp: 3918
 Ion Ratio Lower Upper
 169 100
 168 9.0 53.8 80.6#
 167 37.3 27.5 41.3

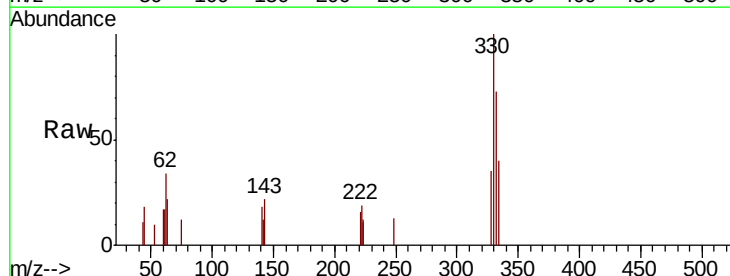


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

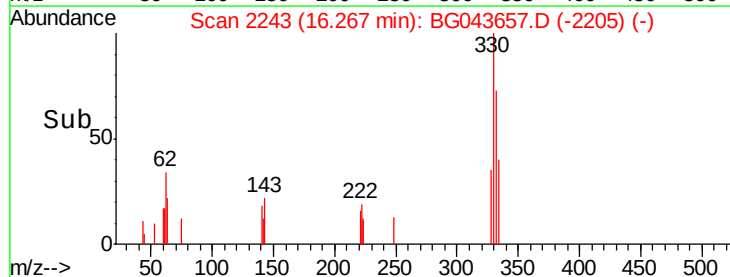
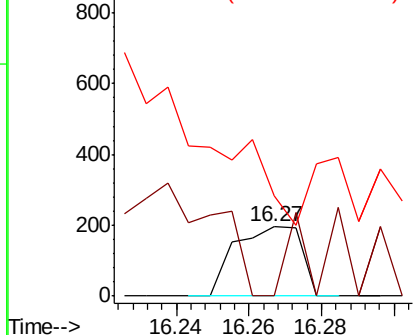


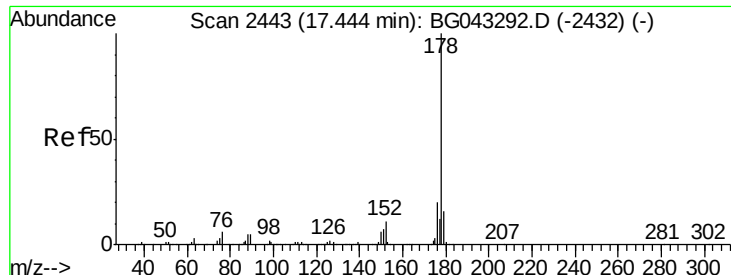
#67
 4-Bromophenyl-phenylether
 Concen: 0.115 ng
 RT: 16.27 min Scan# 2243
 Delta R.T. -0.31 min
 Lab File: BG043657.D
 Acq: 15 Nov 2019 19:15

Tgt Ion:248 Resp: 249
 Ion Ratio Lower Upper
 248 100
 250 0.0 77.0 115.4#
 141 144.4 47.5 71.3#



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: 0.006 ng

RT: 17.61 min Scan# 2471

Delta R.T. 0.17 min

Lab File: BG043657.D

Acq: 15 Nov 2019 19:15

Instrument :

BNA_G

ClientSampleId :

PB124801TB

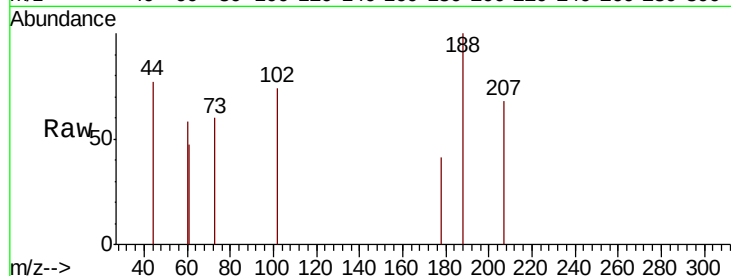
Tot Ion:178 Resp: 53

Ion Ratio Lower Upper

178 100

176 0.0 15.4 23.0#

179 0.0 13.0 19.6#



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

17.61

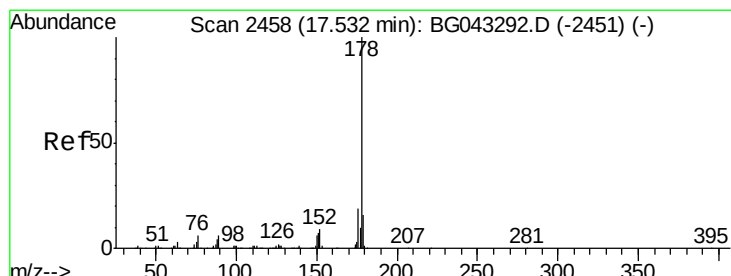
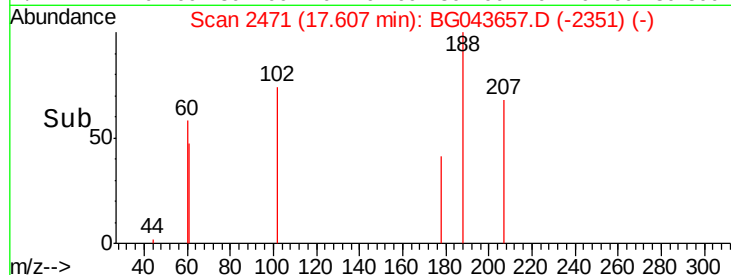
150

100

50

0

Time-->



#72

Anthracene

Concen: 0.006 ng

RT: 17.61 min Scan# 2471

Delta R.T. 0.09 min

Lab File: BG043657.D

Acq: 15 Nov 2019 19:15

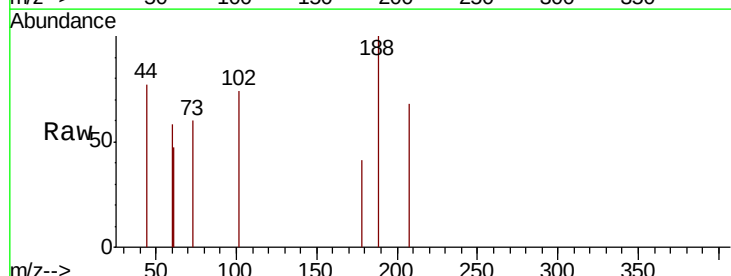
Tgt Ion:178 Resp: 53

Ion Ratio Lower Upper

178 100

176 0.0 15.5 23.3#

179 0.0 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

17.61

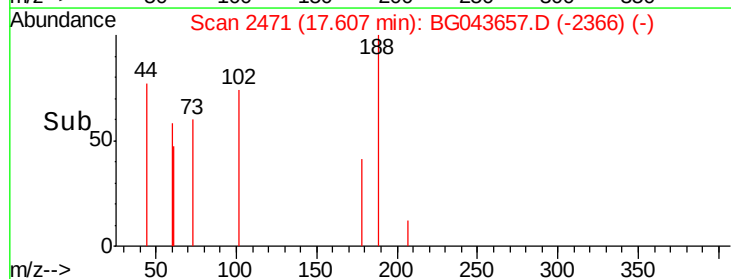
150

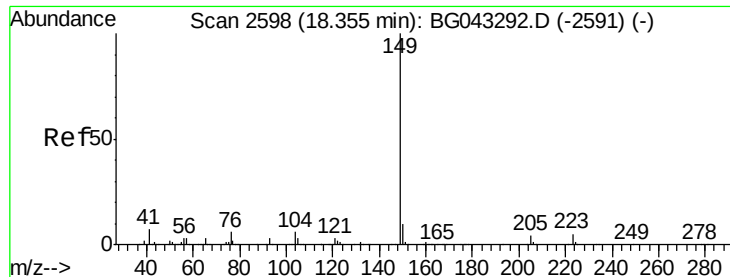
100

50

0

Time-->





#74

Di-n-butylphthalate

Concen: 0.062 ng

RT: 18.34 min Scan# 2596

Delta R.T. -0.00 min

Lab File: BG043657.D

Acq: 15 Nov 2019 19:15

Instrument :

BNA_G

ClientSampleID :

PB124801TB

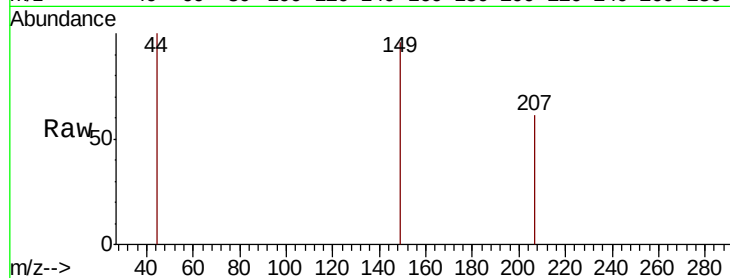
Tot Ion:149 Resp: 562

Ion Ratio Lower Upper

149 100

150 0.0 8.0 12.0#

104 0.0 4.4 6.6#



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

18.34

400

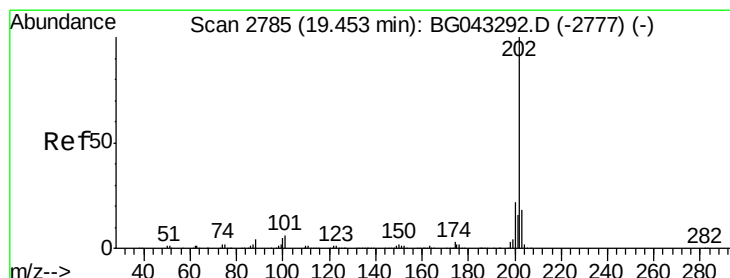
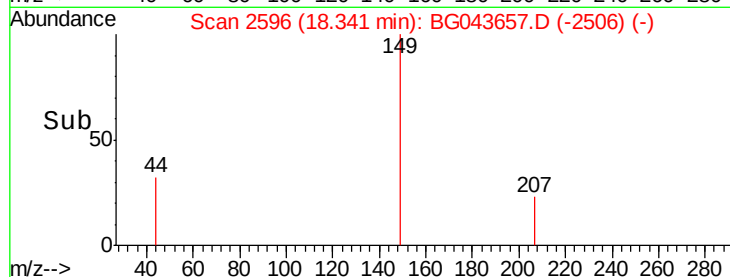
300

200

100

0

Time--> 18.30 18.35



#75

Fluoranthene

Concen: 0.014 ng

RT: 19.43 min Scan# 2782

Delta R.T. -0.01 min

Lab File: BG043657.D

Acq: 15 Nov 2019 19:15

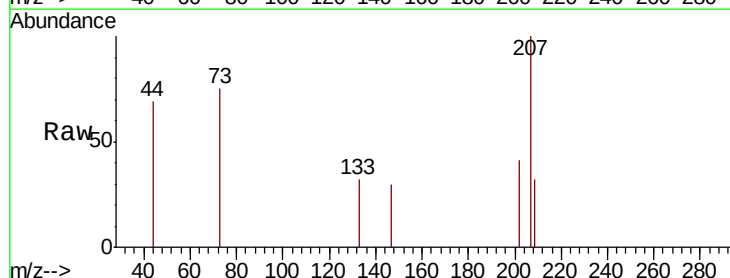
Tgt Ion:202 Resp: 146

Ion Ratio Lower Upper

202 100

101 0.0 0.0 26.3

203 0.0 0.0 37.9



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

19.43

300

250

200

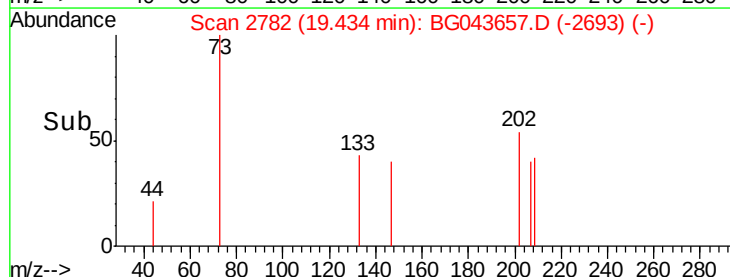
150

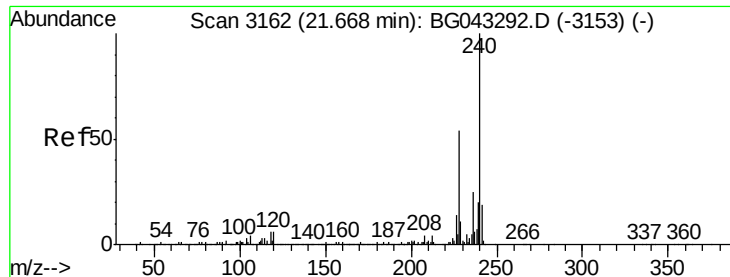
100

50

0

Time--> 19.42 19.44 19.46

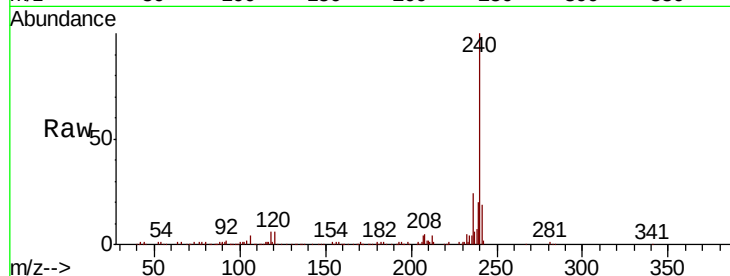




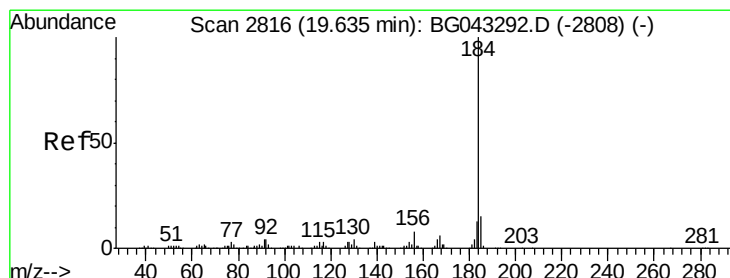
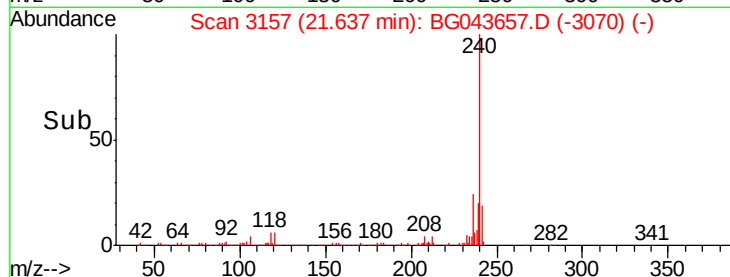
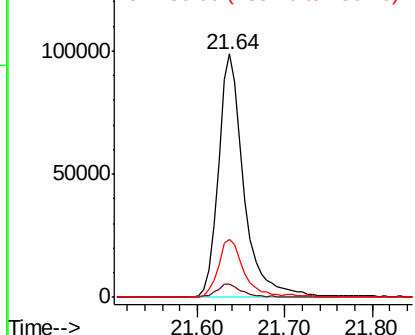
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.64 min Scan# 3157
Delta R.T. -0.02 min
Lab File: BG043657.D
Acq: 15 Nov 2019 19:15

Instrument :
BNA_G
ClientSampleId :
PB124801TB

Tot Ion:240 Resp: 197944
Ion Ratio Lower Upper
240 100
120 5.5 4.6 6.8
236 23.6 19.8 29.8

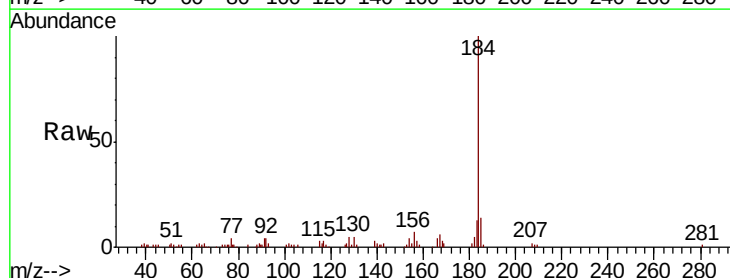


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

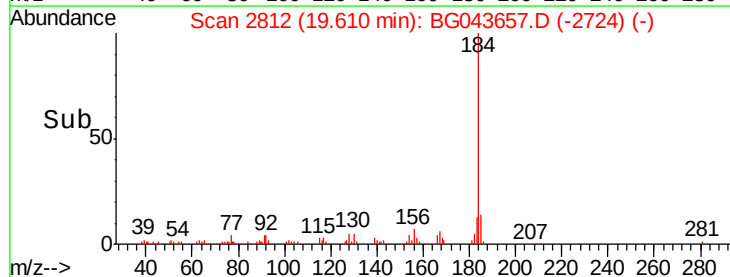
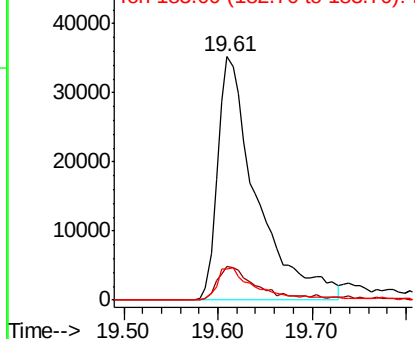


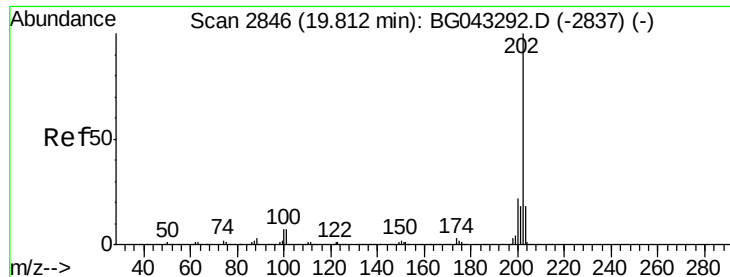
#77
Benzidine
Concen: 25.664 ng
RT: 19.61 min Scan# 2812
Delta R.T. -0.01 min
Lab File: BG043657.D
Acq: 15 Nov 2019 19:15

Tgt Ion:184 Resp: 102236
Ion Ratio Lower Upper
184 100
185 13.9 11.0 16.4
183 12.9 10.0 15.0



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

Pvrene

Concen: 0.305 ng

RT: 19.98 min Scan# 2875

Delta R.T. 0.18 min

Lab File: BG043657.D

Acq: 15 Nov 2019 19:15

Instrument :

BNA_G

ClientSampleId :

PB124801TB

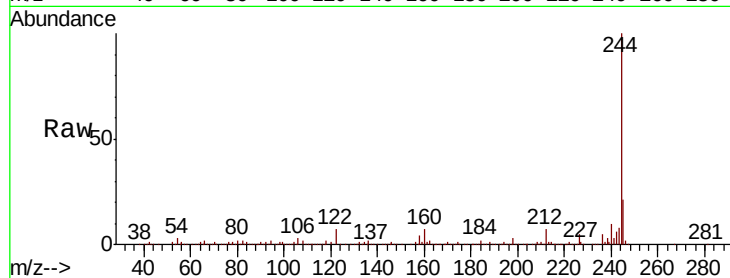
Tot Ion:202 Resp: 3741

Ion Ratio Lower Upper

202 100

200 38.1 17.0 25.4#

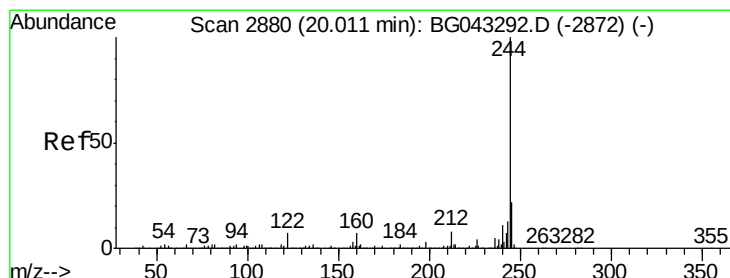
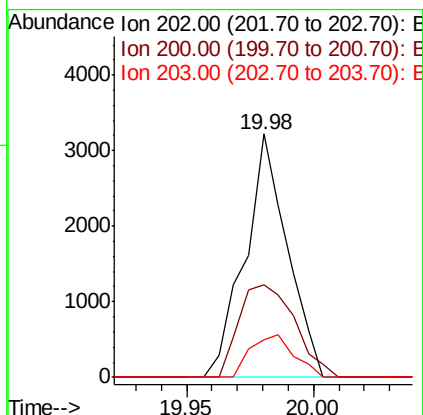
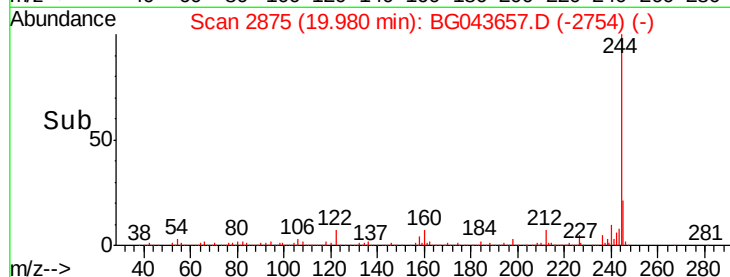
203 15.6 14.7 22.1



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: 97.072 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.02 min

Lab File: BG043657.D

Acq: 15 Nov 2019 19:15

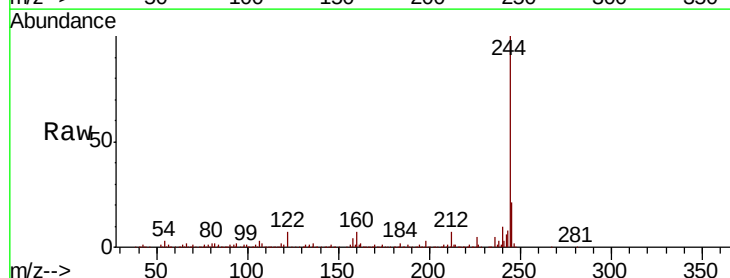
Tgt Ion:244 Resp: 1024218

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.6

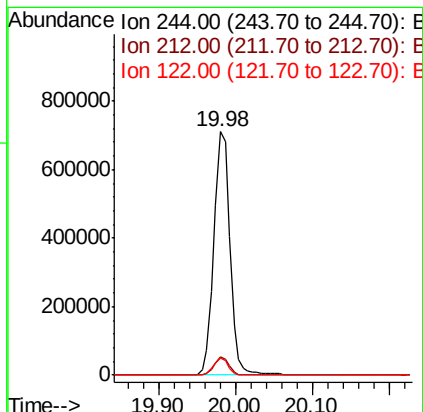
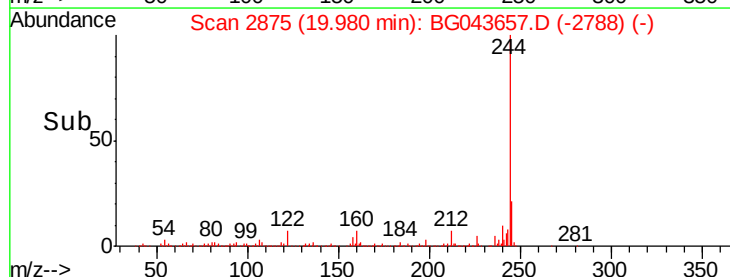
122 7.2 5.4 8.2

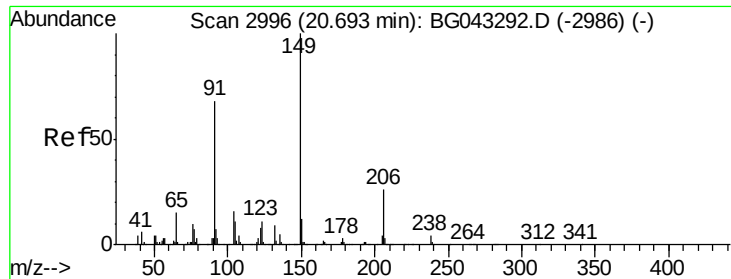


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

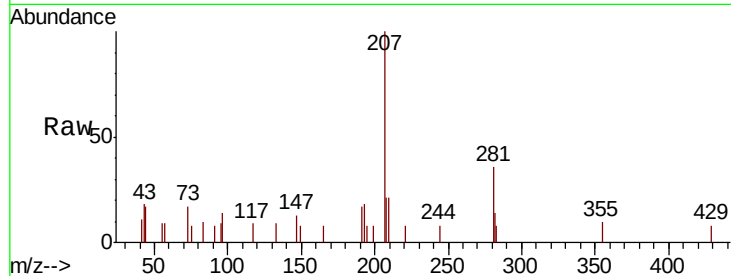




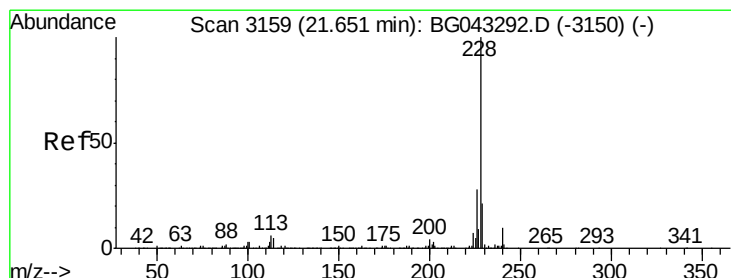
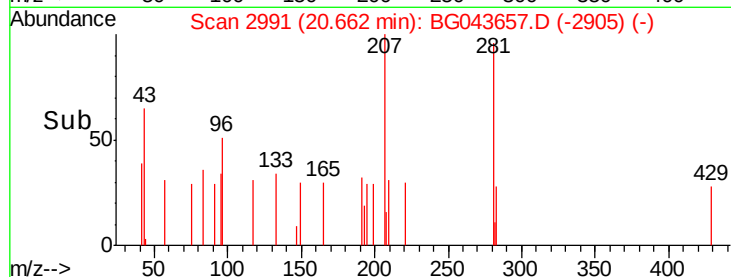
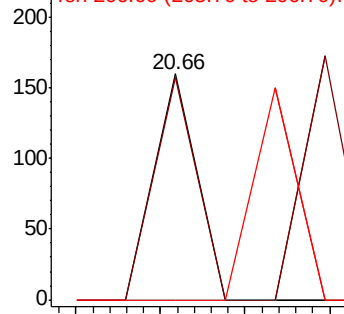
#80
Butylbenzylphthalate
Concen: 0.012 ng
RT: 20.66 min Scan# 2991
Delta R.T. -0.02 min
Lab File: BG043657.D
Acq: 15 Nov 2019 19:15

Instrument :
BNA_G
ClientSampleId :
PB124801TB

Tot Ion:149 Resp: 56
Ion Ratio Lower Upper
149 100
91 98.8 51.2 76.8#
206 0.0 22.5 33.7#

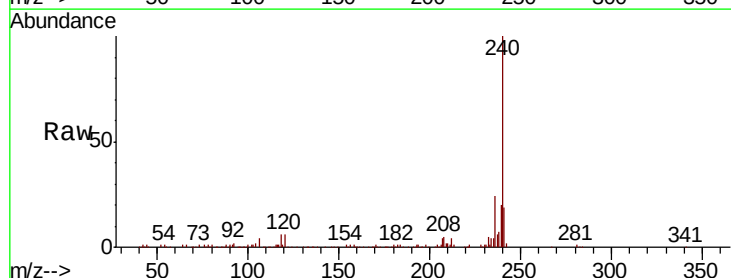


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BG
Ion 206.00 (205.70 to 206.70): E

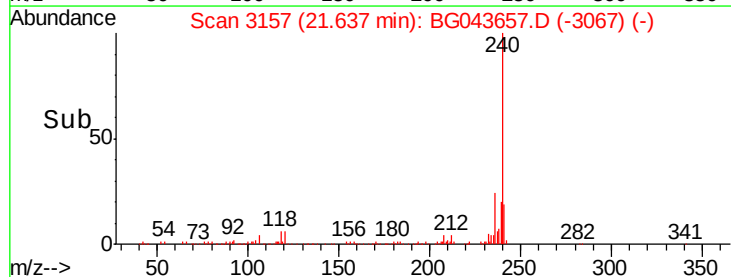
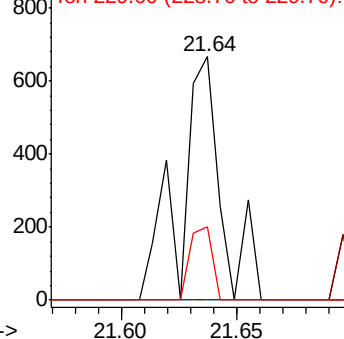


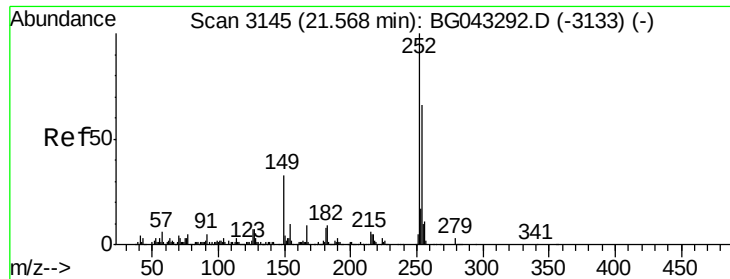
#81
Benzo(a)anthracene
Concen: 0.066 ng
RT: 21.64 min Scan# 3157
Delta R.T. -0.00 min
Lab File: BG043657.D
Acq: 15 Nov 2019 19:15

Tgt Ion:228 Resp: 821
Ion Ratio Lower Upper
228 100
226 0.0 22.2 33.2#
229 30.1 17.0 25.4#



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

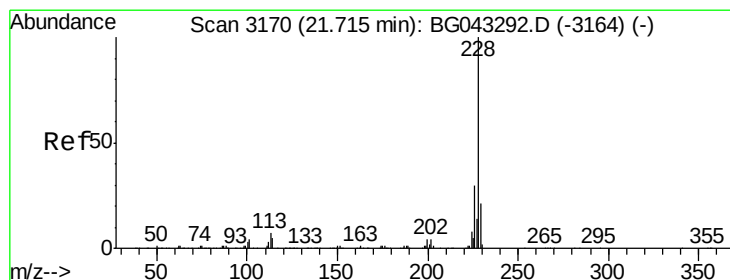
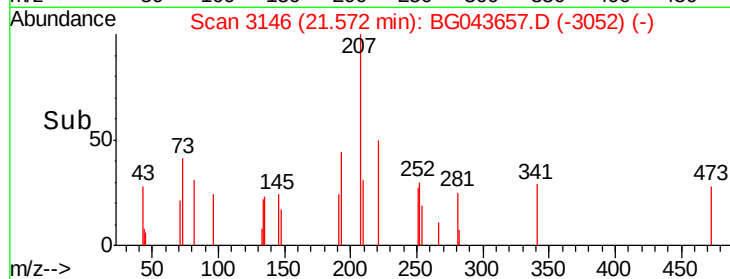
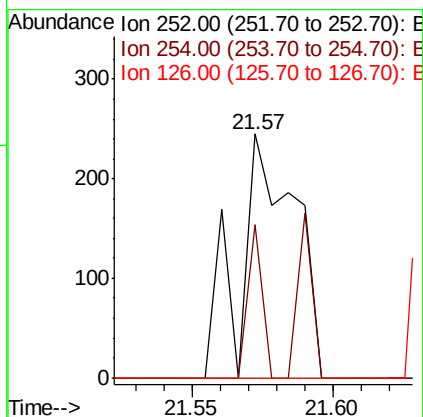
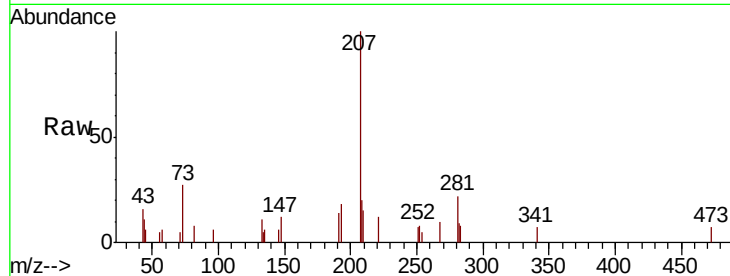




#82
 3,3'-Dichlorobenzidine
 Concen: 0.070 ng
 RT: 21.57 min Scan# 3146
 Delta R.T. 0.02 min
 Lab File: BG043657.D
 Acq: 15 Nov 2019 19:15

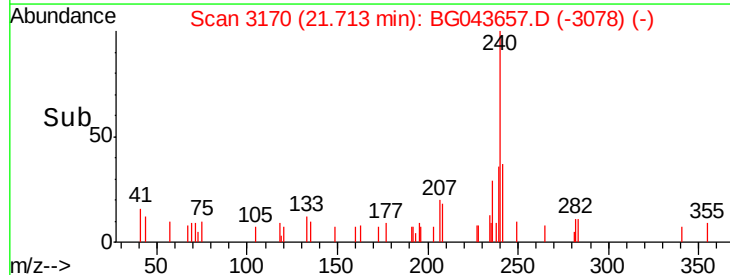
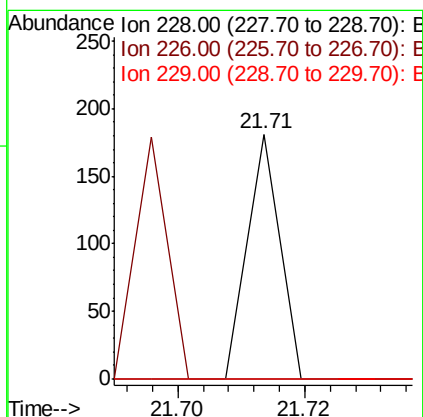
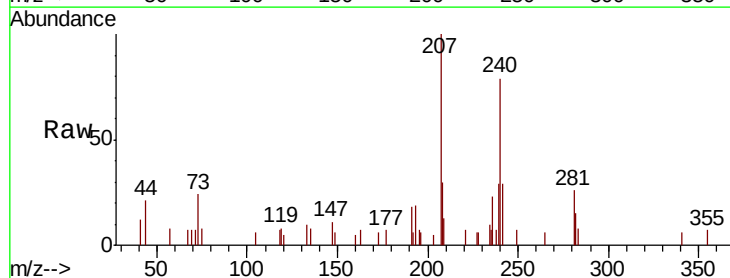
Instrument :
 BNA_G
 ClientSampleID :
 PB124801TB

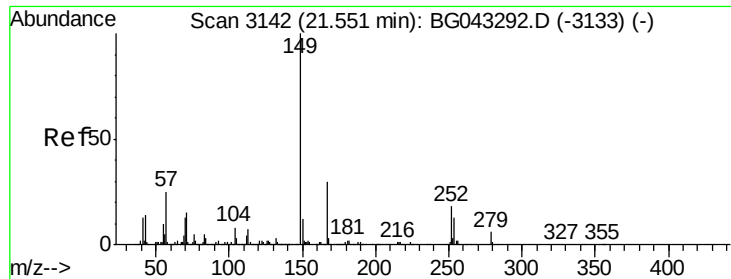
Tot Ion:252 Resp: 334
 Ion Ratio Lower Upper
 252 100
 254 62.9 50.8 76.2
 126 0.0 6.1 9.1#



#83
 Chrysene
 Concen: 0.005 ng
 RT: 21.71 min Scan# 3170
 Delta R.T. 0.01 min
 Lab File: BG043657.D
 Acq: 15 Nov 2019 19:15

Tgt Ion:228 Resp: 64
 Ion Ratio Lower Upper
 228 100
 226 0.0 25.1 37.7#
 229 0.0 17.0 25.4#





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.132 ng

RT: 21.50 min Scan# 3134

Delta R.T. -0.04 min

Lab File: BG043657.D

Acq: 15 Nov 2019 19:15

Instrument :

BNA_G

ClientSampleId :

PB124801TB

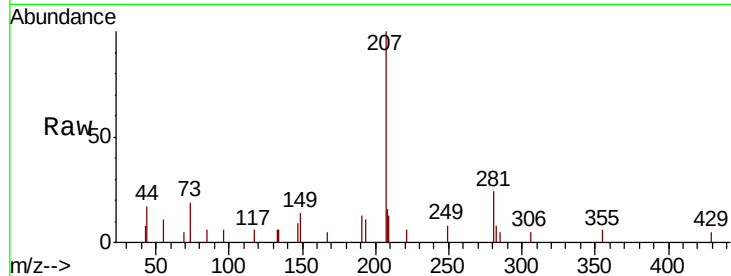
Tot Ion:149 Resp: 868

Ion Ratio Lower Upper

149 100

167 38.4 24.0 36.0#

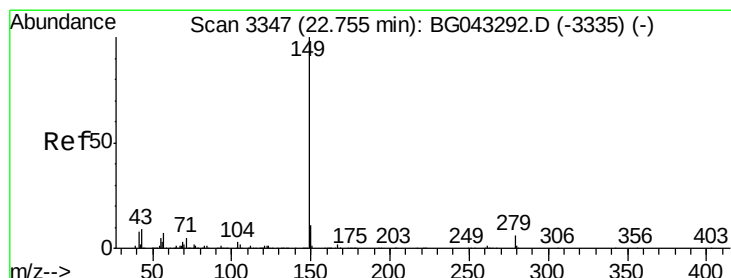
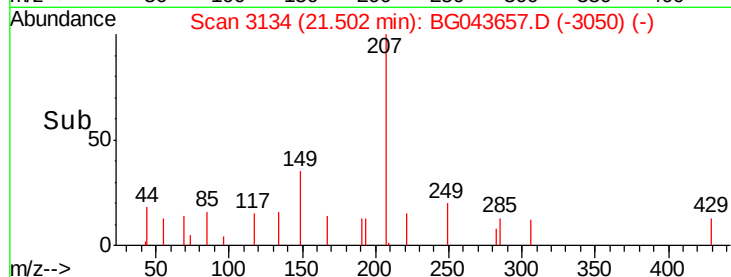
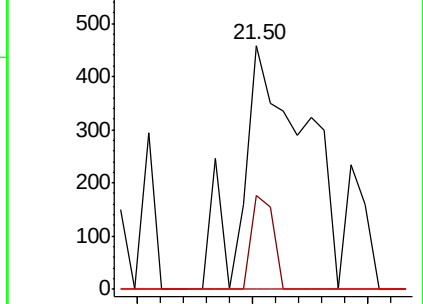
279 0.0 5.4 8.2#



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: 0.012 ng

RT: 22.72 min Scan# 3341

Delta R.T. -0.02 min

Lab File: BG043657.D

Acq: 15 Nov 2019 19:15

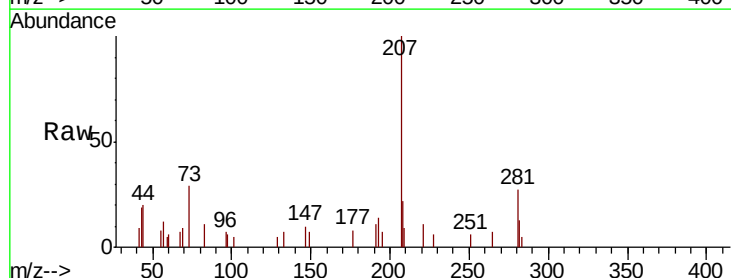
Tgt Ion:149 Resp: 135

Ion Ratio Lower Upper

149 100

167 0.0 1.4 2.2#

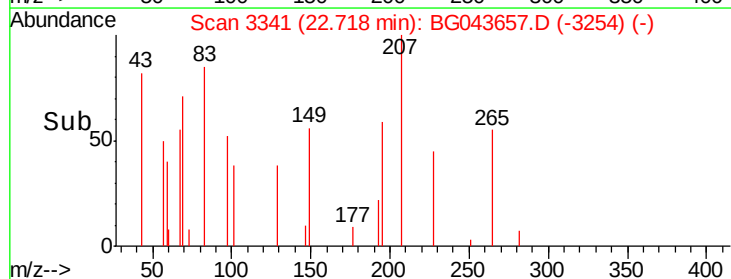
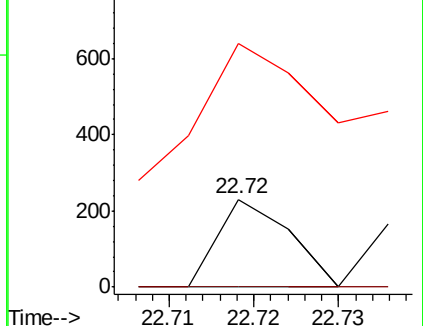
43 274.1 7.0 10.6#

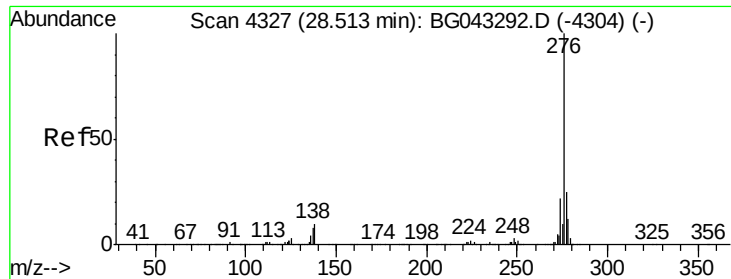


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC





#86

Indeno(1,2,3-cd)pyrene

Concen: 0.004 ng

RT: 28.55 min Scan# 4333

Delta R.T. 0.05 min

Lab File: BG043657.D

Acq: 15 Nov 2019 19:15

Instrument :

BNA_G

ClientSampleId :

PB124801TB

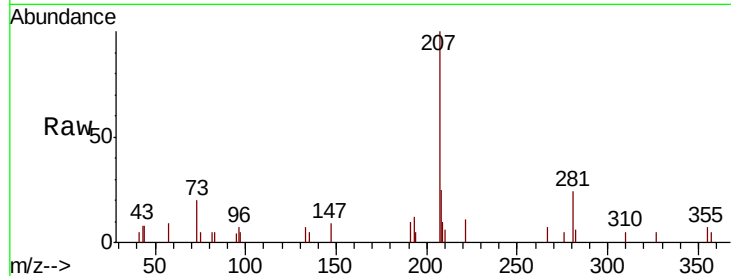
Tot Ion:276 Resp: 56

Ion Ratio Lower Upper

276 100

138 0.0 6.8 10.2#

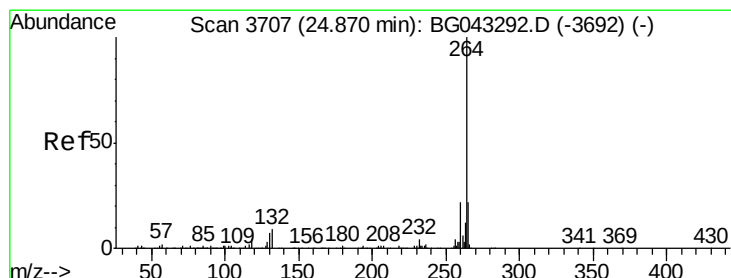
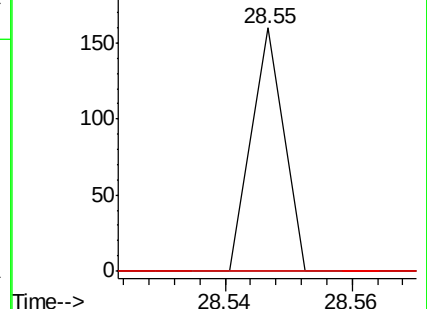
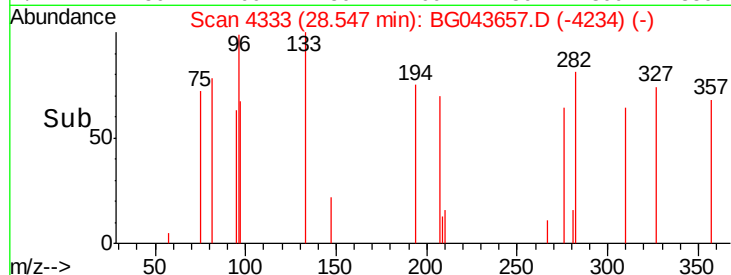
277 0.0 20.9 31.3#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.82 min Scan# 3698

Delta R.T. -0.04 min

Lab File: BG043657.D

Acq: 15 Nov 2019 19:15

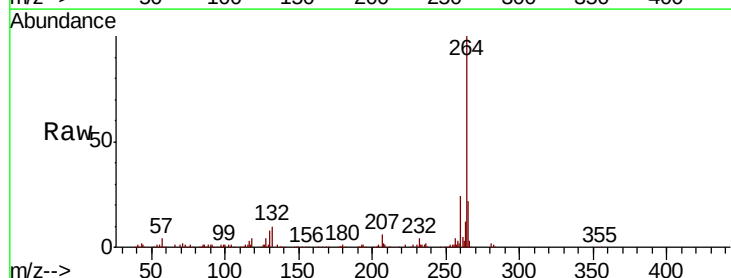
Tgt Ion:264 Resp: 226685

Ion Ratio Lower Upper

264 100

260 23.9 17.5 26.3

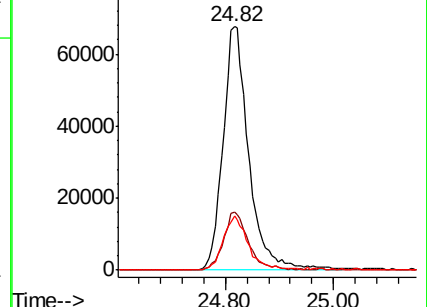
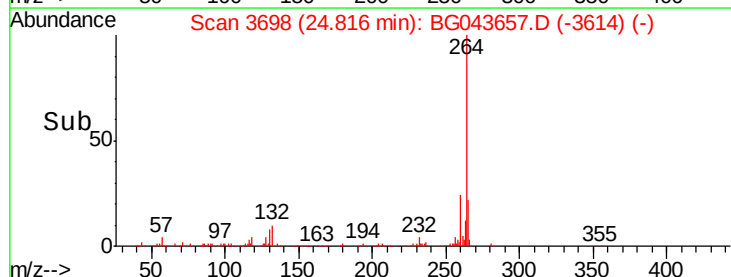
265 22.4 17.4 26.0

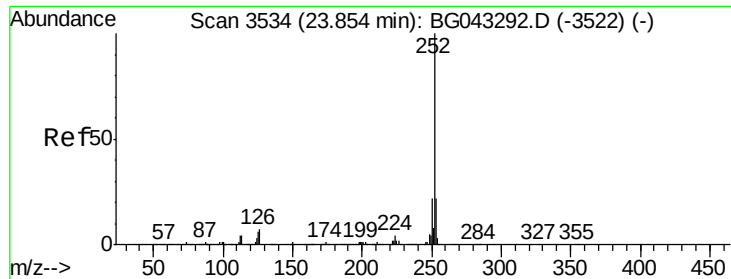


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 0.005 ng

RT: 23.80 min Scan# 3525

Delta R.T. -0.04 min

Lab File: BG043657.D

Acq: 15 Nov 2019 19:15

Instrument :

BNA_G

ClientSampleId :

PB124801TB

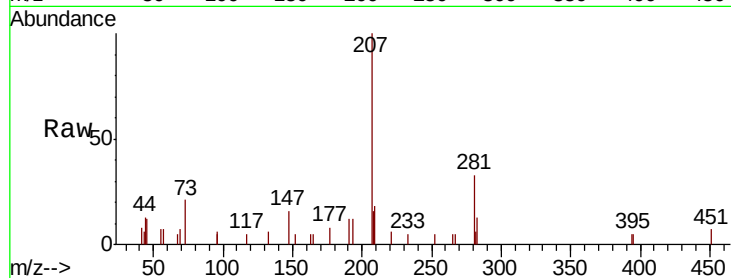
Tot Ion:252 Resp: 61

Ion Ratio Lower Upper

252 100

253 0.0 17.7 26.5#

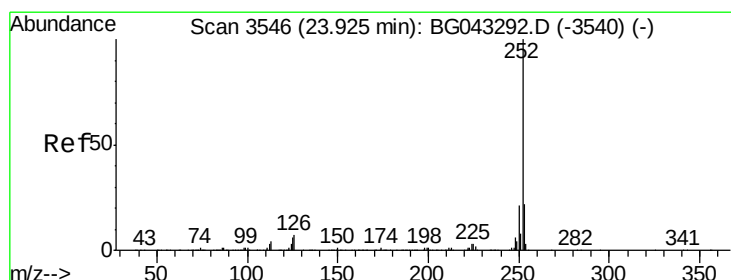
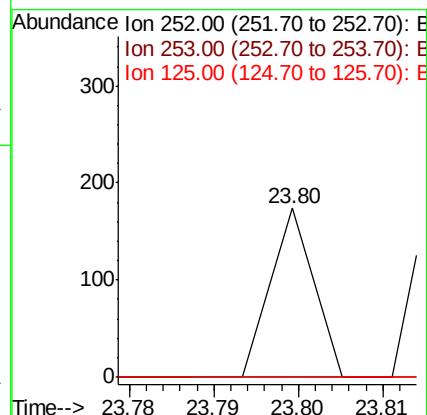
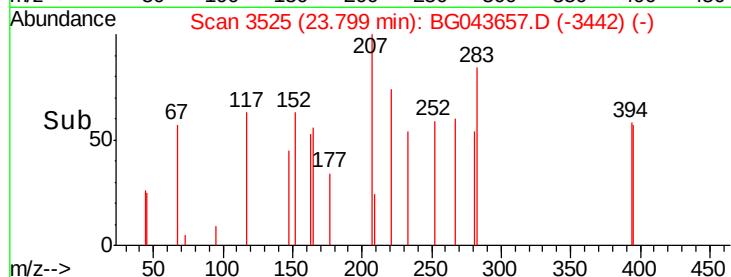
125 0.0 4.5 6.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 0.004 ng

RT: 23.86 min Scan# 3536

Delta R.T. -0.04 min

Lab File: BG043657.D

Acq: 15 Nov 2019 19:15

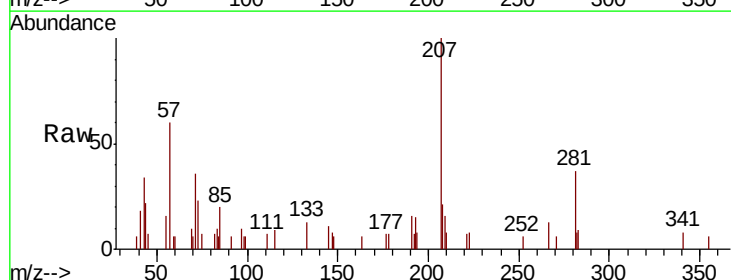
Tgt Ion:252 Resp: 53

Ion Ratio Lower Upper

252 100

253 0.0 17.3 25.9#

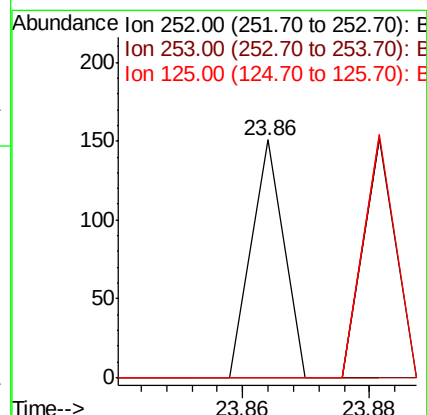
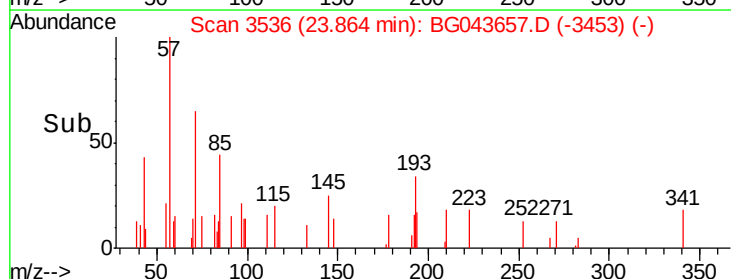
125 0.0 4.6 6.8#

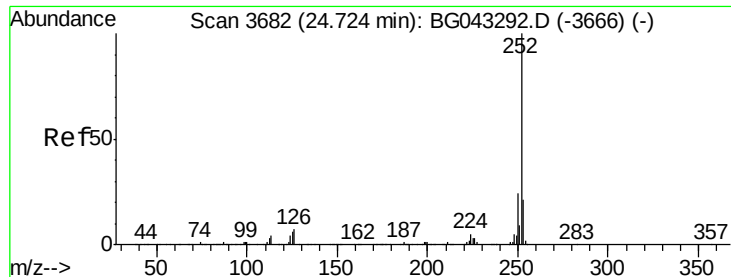


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 0.005 ng

RT: 24.70 min Scan# 3678

Delta R.T. -0.00 min

Lab File: BG043657.D

Acq: 15 Nov 2019 19:15

Instrument :

BNA_G

ClientSampleId :

PB124801TB

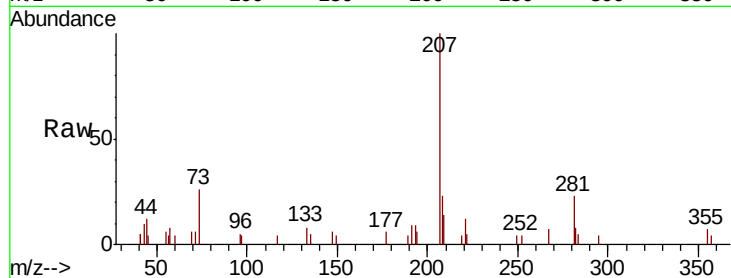
Tot Ion:252 Resp: 57

Ion Ratio Lower Upper

252 100

253 0.0 17.8 26.8#

125 0.0 5.4 8.2#

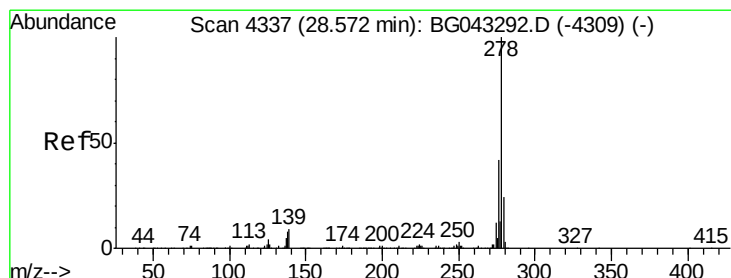
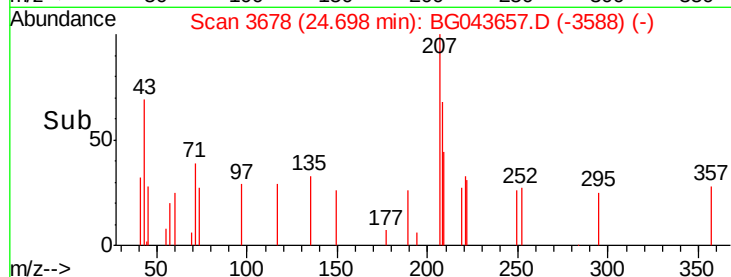
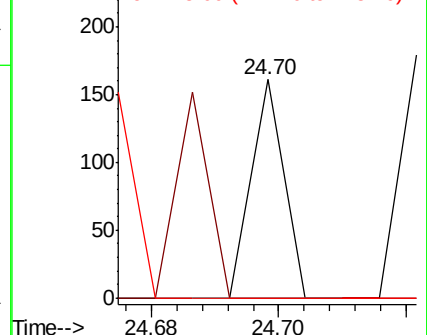


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 0.004 ng

RT: 28.64 min Scan# 4349

Delta R.T. 0.09 min

Lab File: BG043657.D

Acq: 15 Nov 2019 19:15

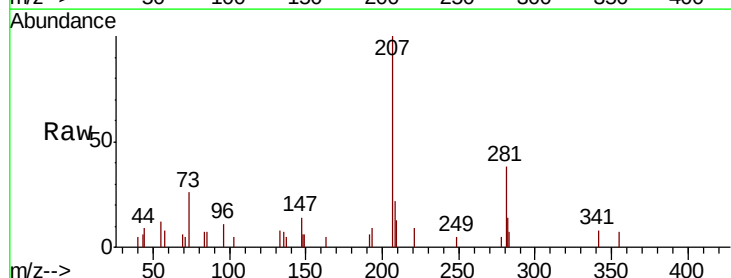
Tgt Ion:278 Resp: 53

Ion Ratio Lower Upper

278 100

139 0.0 7.4 11.0#

279 0.0 19.1 28.7#



Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

