

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111519\
 Data File : BG043662.D
 Acq On : 15 Nov 2019 22:29
 Operator : JU
 Sample : K5668-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HD-02-111319

Quant Time: Nov 16 01:14:00 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	22825	20.00	ng	-0.02
21) Naphthalene-d8	10.80	136	74029	20.00	ng	-0.01
39) Acenaphthene-d10	14.63	164	60586	20.00	ng	-0.01
64) Phenanthrene-d10	17.37	188	165659	20.00	ng	-0.02
76) Chrysene-d12	21.64	240	198180	20.00	ng	-0.02
87) Perylene-d12	24.81	264	226365	20.00	ng	-0.04

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	175847	141.17	ng	0.00
7) Phenol-d6	7.19	99	238334	132.99	ng	0.00
23) Nitrobenzene-d5	9.16	82	140106	97.57	ng	-0.02
42) 2,4,6-Tribromophenol	16.12	330	152437	132.21	ng	-0.01
45) 2-Fluorobiphenyl	13.25	172	409515	93.40	ng	-0.02
79) Terphenyl-d14	19.98	244	1052788	99.66	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.17	88	4833	9.957	ng	# 1
3) Pyridine	3.96	79	53	0.043	ng	# 22
4) n-Nitrosodimethylamine	3.78	42	226	0.366	ng	# 1
6) Aniline	7.54	93	235	0.114	ng	# 1
8) 2-Chlorophenol	7.55	128	54	0.039	ng	# 1
9) Benzaldehyde	7.19	77	207	0.235	ng	# 5
10) Phenol	7.55	94	224	0.137	ng	# 1
11) bis(2-Chloroethyl)ether	7.54	93	235	0.186	ng	# 1
15) Benzyl Alcohol	8.32	79	2670	2.121	ng	# 36
16) 2,2'-oxybis(1-Chloropropan	8.54	45	58	0.032	ng	# 66
19) n-Nitroso-di-n-propylamine	9.16	70	20412	17.626	ng	# 83
22) Acetophenone	9.16	105	82	0.043	ng	# 1
24) Nitrobenzene	9.19	77	56	0.041	ng	# 40
25) Isophorone	9.61	82	510	0.194	ng	# 64
37) 2-Methylnaphthalene	12.57	142	64	0.022	ng	# 14
38) 1-Methylnaphthalene	12.57	142	64	0.023	ng	# 8
43) 2,4,6-Trichlorophenol	12.57	196	85	0.064	ng	# 13
46) 1,1'-Biphenyl	13.47	154	279	0.061	ng	# 52
48) 2-Nitroaniline	13.24	65	546	0.521	ng	# 1
49) Acenaphthylene	14.26	152	55	0.010	ng	# 60
51) 2,6-Dinitrotoluene	14.63	165	8077	7.922	ng	# 22
57) 2,4-Dinitrotoluene	14.63	165	8077	5.544	ng	# 25
58) Fluorene	16.11	166	3964	0.876	ng	# 91
63) Azobenzene	16.11	77	663	0.174	ng	# 12
65) 4,6-Dinitro-2-methylphenol	16.12	198	209	0.214	ng	# 96
66) n-Nitrosodiphenylamine	16.11	169	4308	0.921	ng	# 47
67) 4-Bromophenyl-phenylether	16.21	248	349	0.157	ng	# 1
71) Phenanthrene	17.42	178	68	0.008	ng	# 60
72) Anthracene	17.42	178	68	0.008	ng	# 59
73) Carbazole	17.60	167	57	0.007	ng	# 58
74) Di-n-butylphthalate	18.35	149	108	0.012	ng	# 77
77) Benzidine	19.98	184	15462	3.877	ng	# 92
78) Pvrene	19.98	202	3667	0.299	ng	# 86
80) Butylbenzylphthalate	20.78	149	57	0.012	ng	# 27

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 04 15:22:15 2019
Response via : Initial Calibration

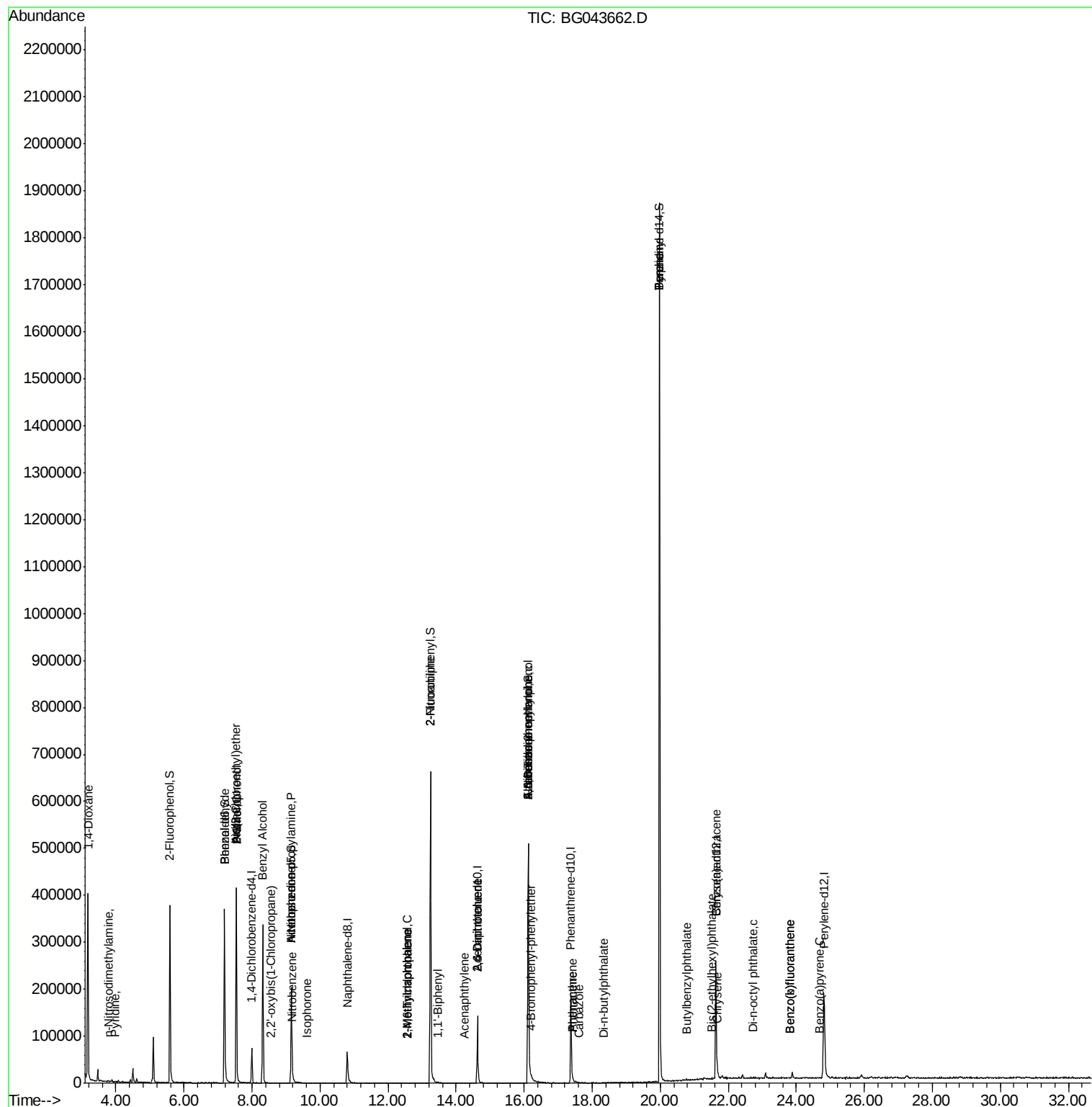
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) Benzo(a)anthracene	21.63	228	746	0.060	nq	# 50
83) Chrysene	21.68	228	68	0.006	nq	# 48
84) Bis(2-ethylhexyl)phthalate	21.52	149	366	0.055	nq	# 95
85) Di-n-octyl phthalate	22.73	149	56	0.005	nq	# 79
88) Benzo(b)fluoranthene	23.82	252	54	0.004	nq	# 60
89) Benzo(k)fluoranthene	23.82	252	54	0.004	nq	# 60
90) Benzo(a)pyrene	24.67	252	118	0.010	nq	# 60

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.99 min Scan# 834

Delta R.T. -0.02 min

Lab File: BG043662.D

Acq: 15 Nov 2019 22:29

Instrument :

BNA_G

ClientSampleId :

HD-02-111319

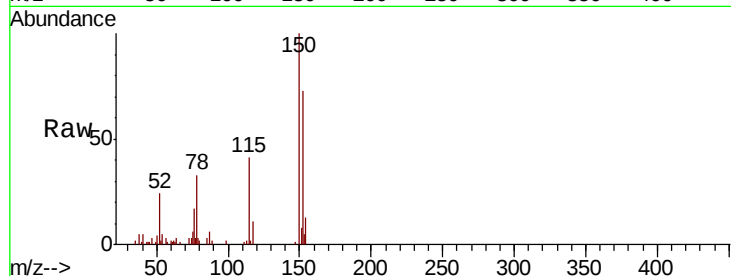
Tot Ion:152 Resp: 22825

Ion Ratio Lower Upper

152 100

150 137.3 129.4 194.0

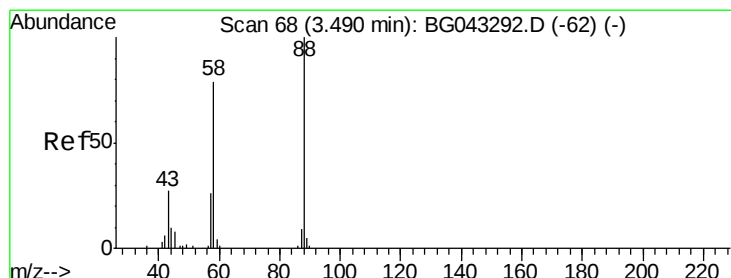
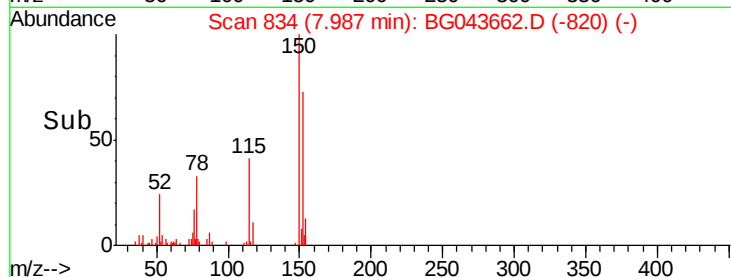
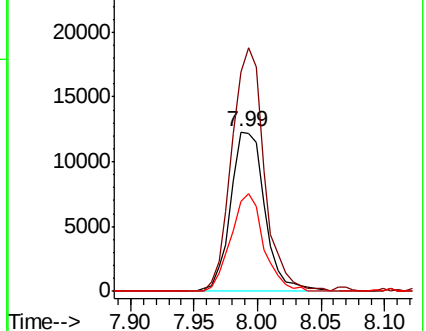
115 56.2 48.8 73.2



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



#2

1,4-Dioxane

Concen: 9.957 ng

RT: 3.17 min Scan# 15

Delta R.T. -0.30 min

Lab File: BG043662.D

Acq: 15 Nov 2019 22:29

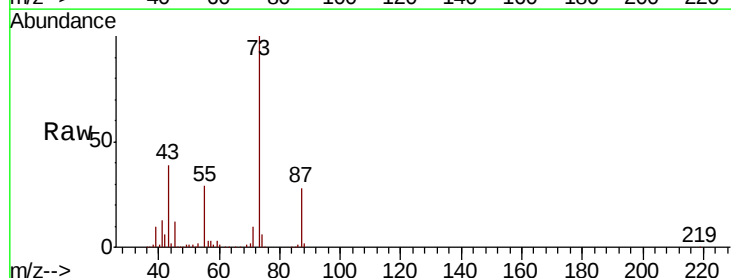
Tgt Ion: 88 Resp: 4833

Ion Ratio Lower Upper

88 100

58 65.3 62.7 94.1

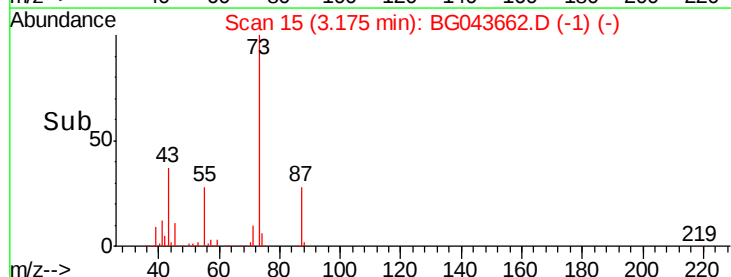
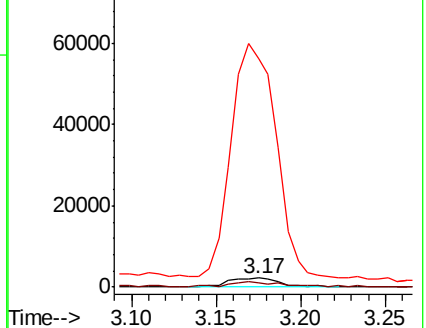
43 2195.9 23.7 35.5#



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





#3

Pvridine

Concen: 0.043 ng

RT: 3.96 min Scan# 149

Delta R.T. 0.09 min

Lab File: BG043662.D

Acq: 15 Nov 2019 22:29

Instrument :

BNA_G

ClientSampleId :

HD-02-111319

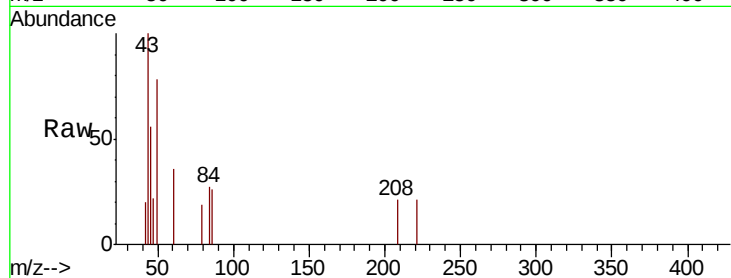
Tot Ion: 79 Resp: 53

Ion Ratio Lower Upper

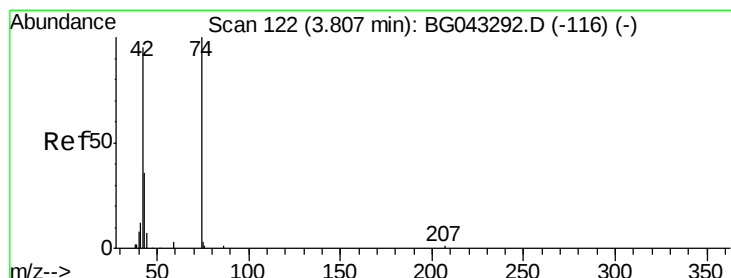
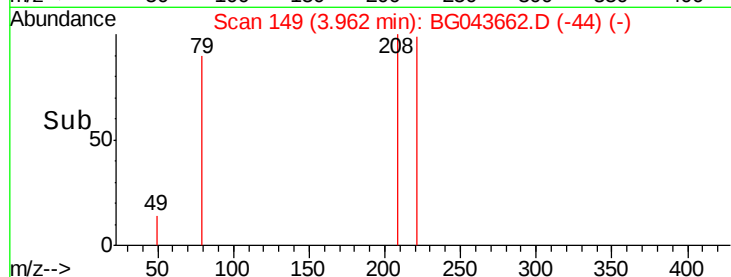
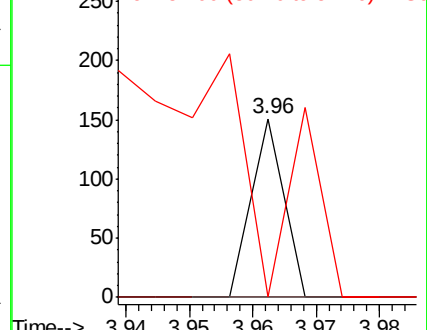
79 100

52 0.0 56.5 84.7#

51 0.0 33.2 49.8#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 52.00 (51.70 to 52.70): BGC
Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 0.366 ng

RT: 3.78 min Scan# 118

Delta R.T. -0.01 min

Lab File: BG043662.D

Acq: 15 Nov 2019 22:29

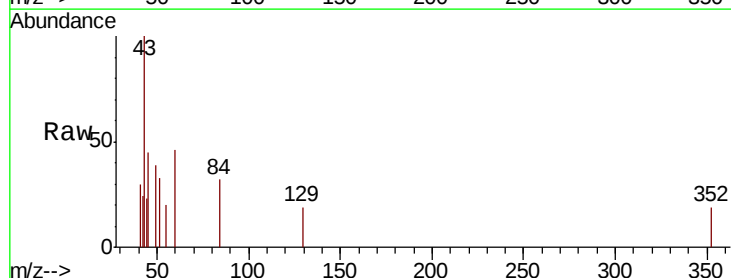
Tgt Ion: 42 Resp: 226

Ion Ratio Lower Upper

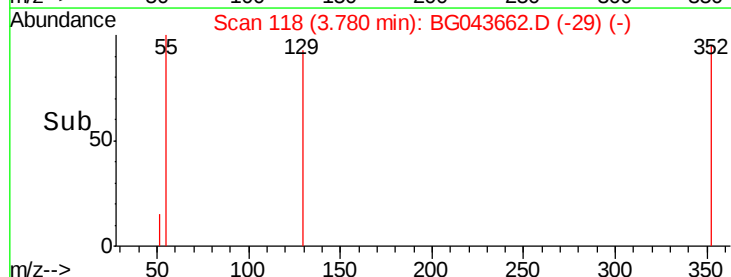
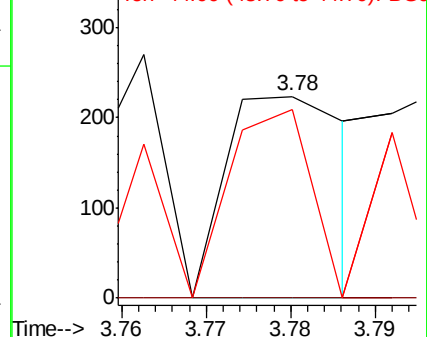
42 100

74 0.0 97.3 145.9#

44 93.3 4.4 6.6#



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





#5

2-Fluorophenol

Concen: 141.174 ng

RT: 5.59 min Scan# 426

Delta R.T. -0.00 min

Lab File: BG043662.D

Acq: 15 Nov 2019 22:29

Instrument :

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ClientSampleId :

HD-02-111319

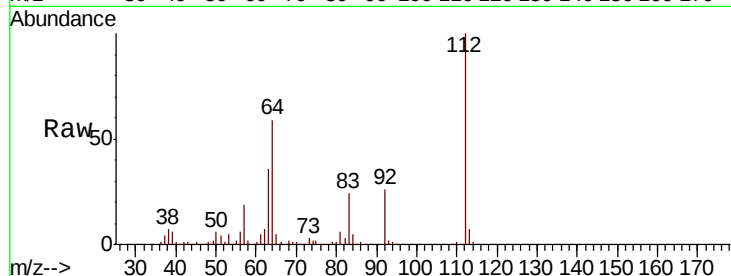
Tot Ion:112 Resp: 175847

Ion Ratio Lower Upper

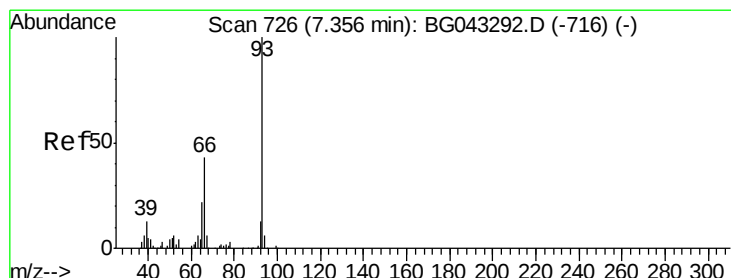
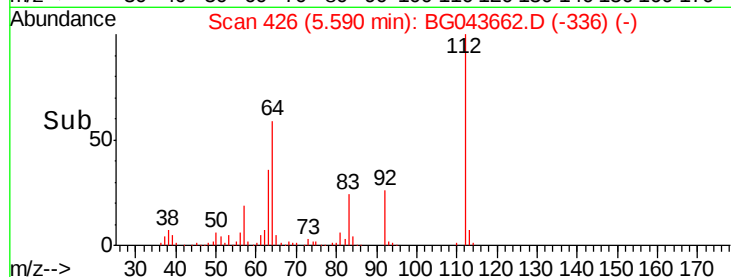
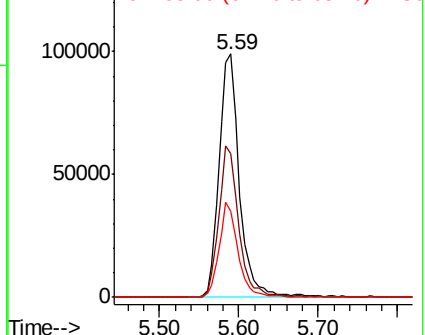
112 100

64 58.8 50.0 75.0

63 35.6 26.6 40.0



Abundance Ion 112.00 (111.70 to 112.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 0.114 ng

RT: 7.54 min Scan# 758

Delta R.T. 0.20 min

Lab File: BG043662.D

Acq: 15 Nov 2019 22:29

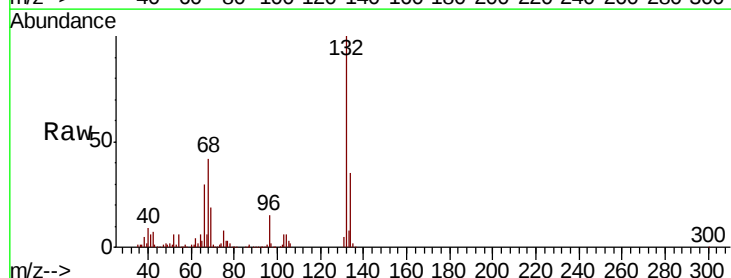
Tgt Ion: 93 Resp: 235

Ion Ratio Lower Upper

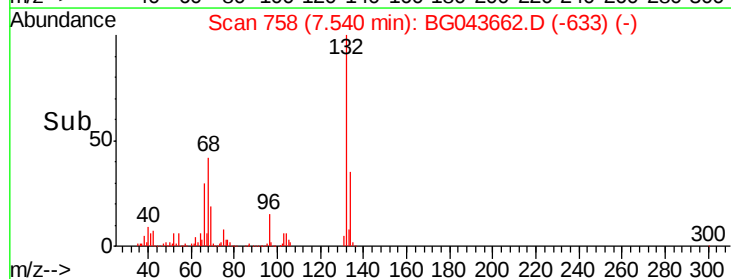
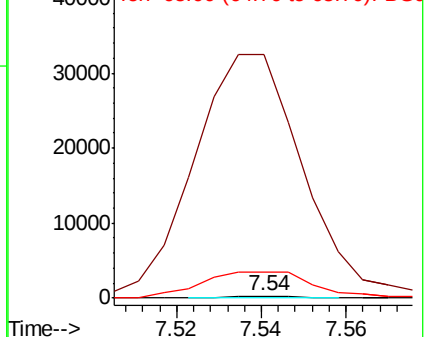
93 100

66 11630.1 32.3 48.5#

65 1257.0 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: 132.989 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG043662.D

Acq: 15 Nov 2019 22:29

Instrument :

BNA_G

ClientSampleId :

HD-02-111319

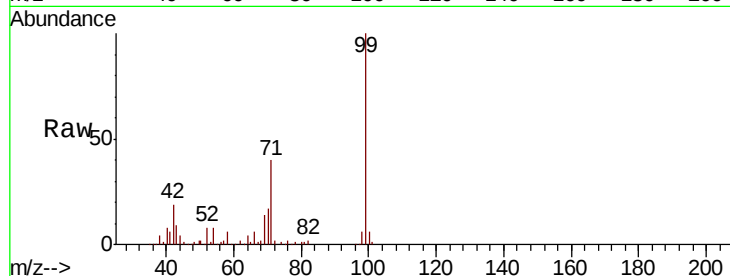
Tot Ion: 99 Resp: 238334

Ion Ratio Lower Upper

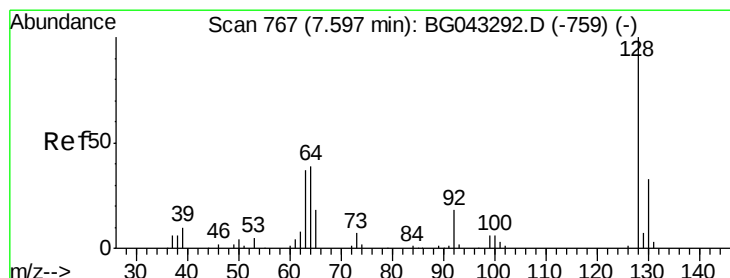
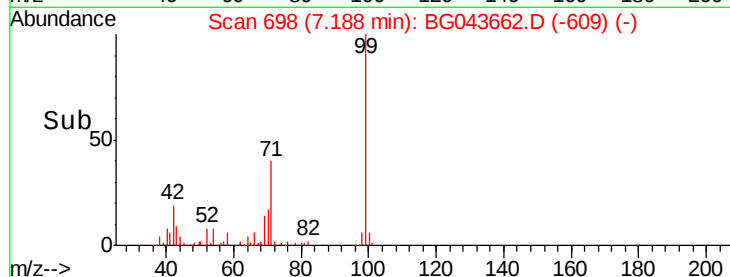
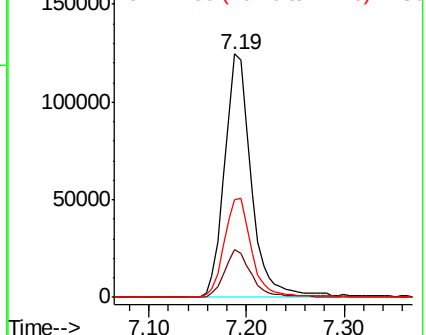
99 100

42 19.4 14.6 21.8

71 40.4 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



#8

2-Chlorophenol

Concen: 0.039 ng

RT: 7.55 min Scan# 759

Delta R.T. -0.04 min

Lab File: BG043662.D

Acq: 15 Nov 2019 22:29

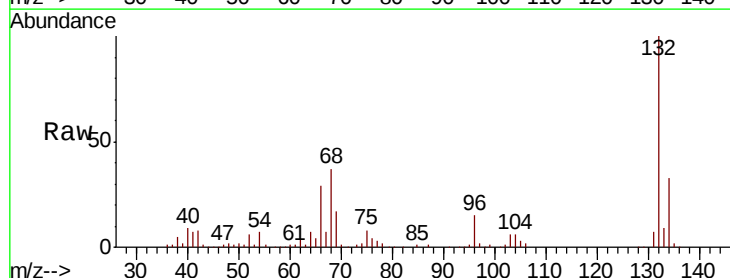
Tgt Ion: 128 Resp: 54

Ion Ratio Lower Upper

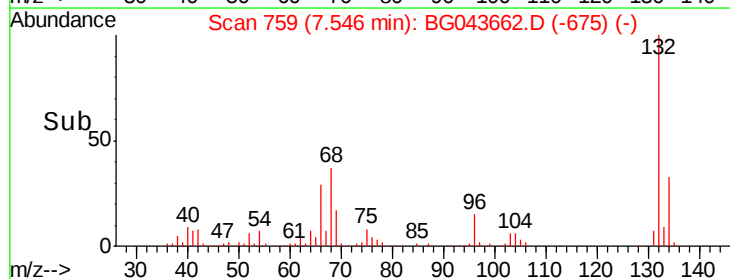
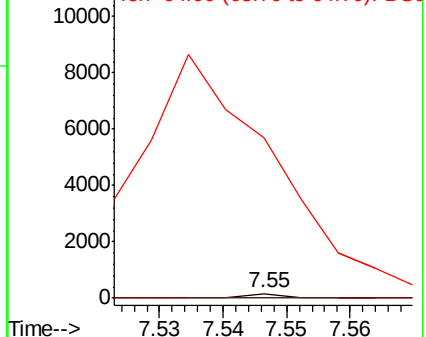
128 100

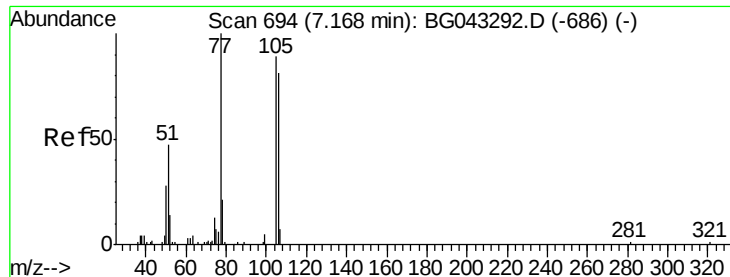
130 0.0 12.5 52.5#

64 3719.0 25.3 65.3#



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: 0.235 ng

RT: 7.19 min Scan# 698

Delta R.T. 0.04 min

Lab File: BG043662.D

Acq: 15 Nov 2019 22:29

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ClientSampleId :

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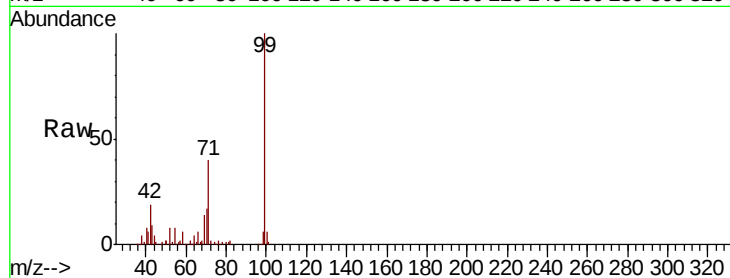
Tot Ion: 77 Resp: 207

Ion Ratio Lower Upper

77 100

105 0.0 68.6 108.6#

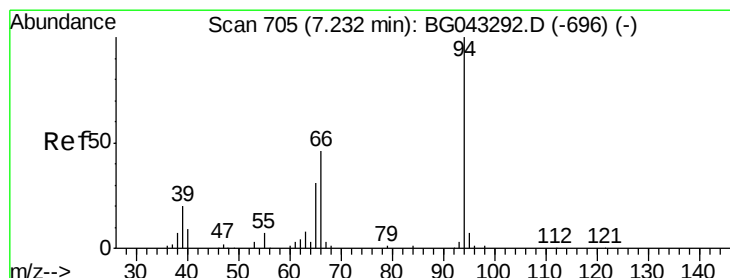
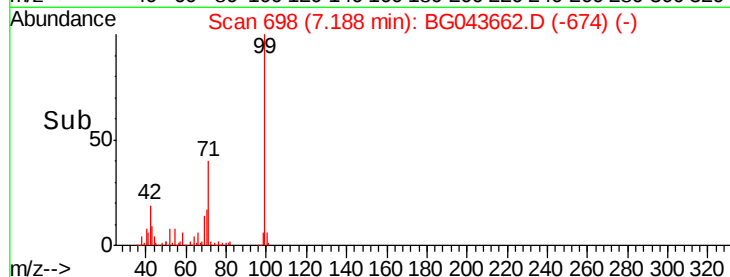
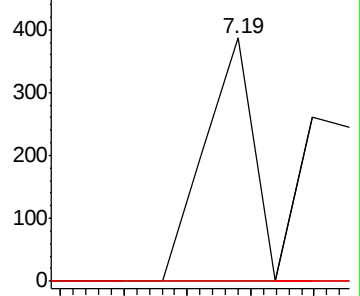
106 0.0 69.9 109.9#



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



#10

Phenol

Concen: 0.137 ng

RT: 7.55 min Scan# 759

Delta R.T. 0.33 min

Lab File: BG043662.D

Acq: 15 Nov 2019 22:29

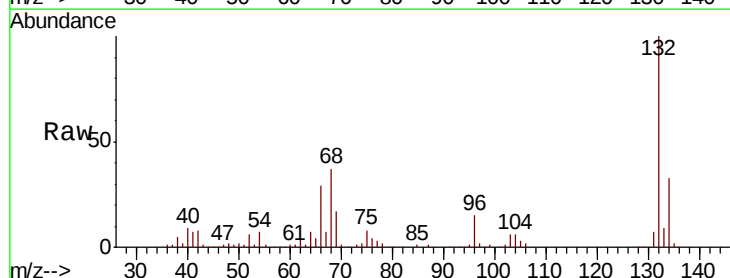
Tgt Ion: 94 Resp: 224

Ion Ratio Lower Upper

94 100

65 1285.0 12.6 52.6#

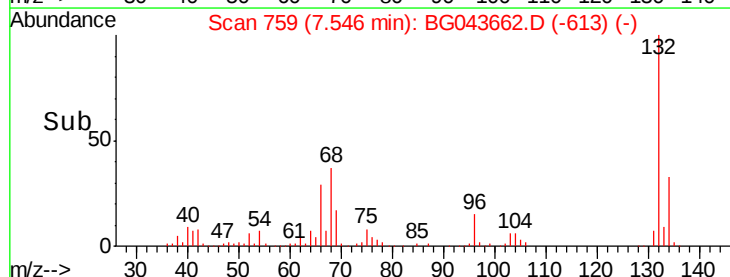
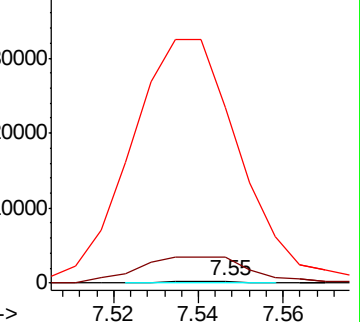
66 8551.8 30.7 70.7#

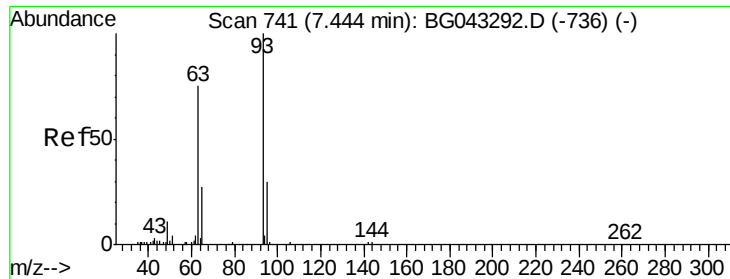


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

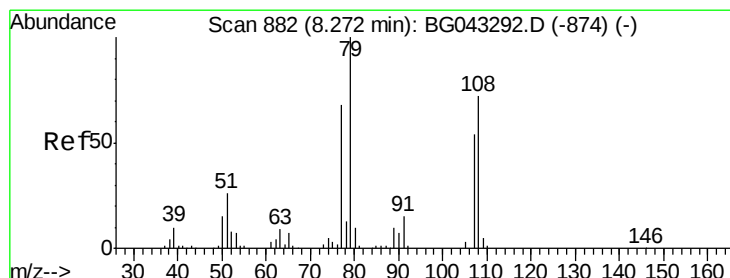
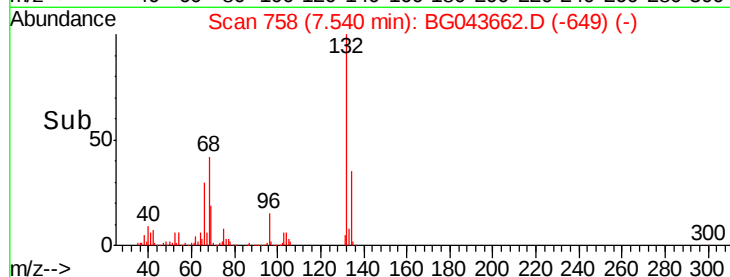
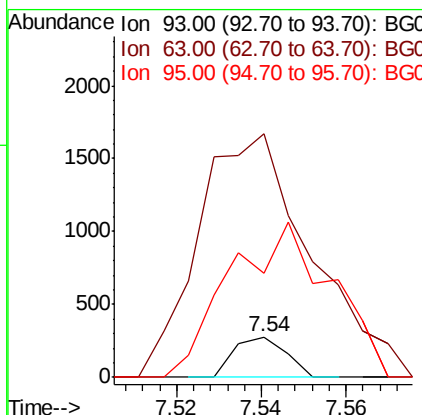
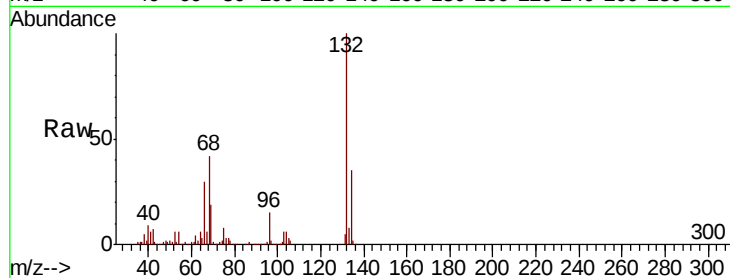




#11
bis(2-Chloroethyl)ether
Concen: 0.186 ng
RT: 7.54 min Scan# 758
Delta R.T. 0.11 min
Lab File: BG043662.D
Acq: 15 Nov 2019 22:29

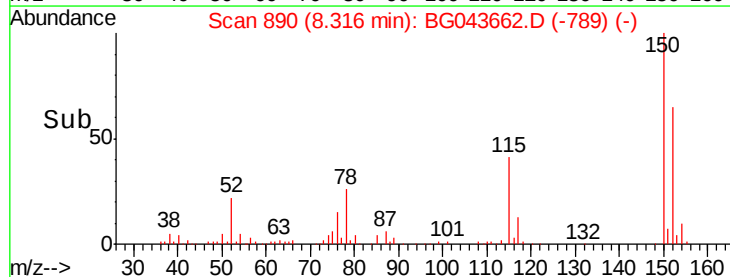
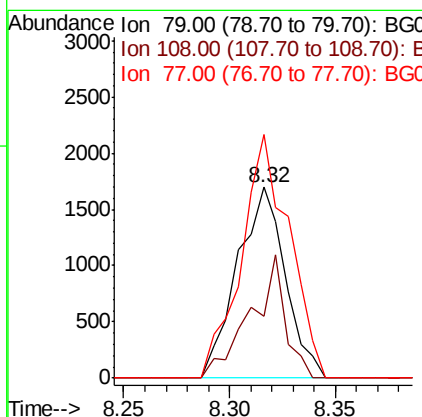
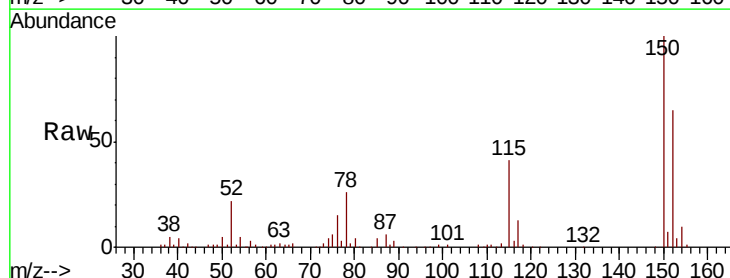
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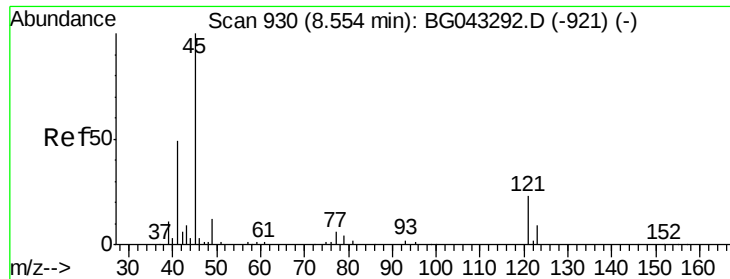
Tot Ion: 93 Resp: 235
Ion Ratio Lower Upper
93 100
63 598.6 56.3 96.3#
95 255.6 12.2 52.2#



#15
Benzyl Alcohol
Concen: 2.121 ng
RT: 8.32 min Scan# 890
Delta R.T. 0.06 min
Lab File: BG043662.D
Acq: 15 Nov 2019 22:29

Tgt Ion: 79 Resp: 2670
Ion Ratio Lower Upper
79 100
108 32.3 53.6 80.4#
77 127.7 49.6 74.4#

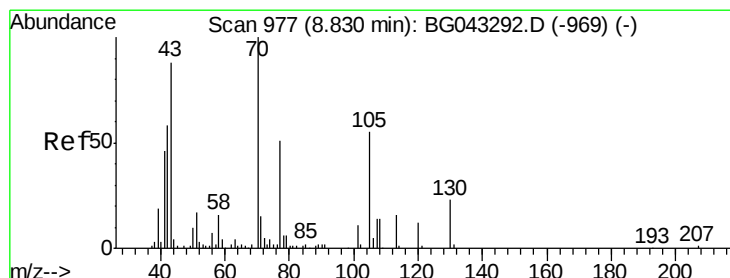
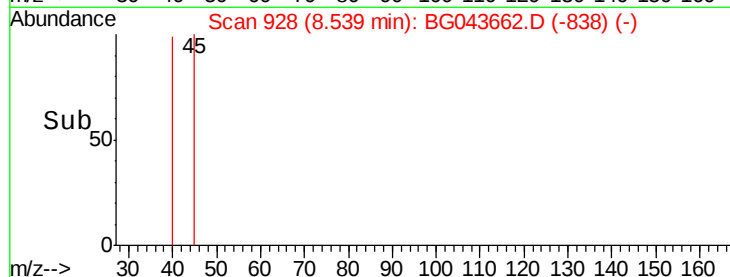
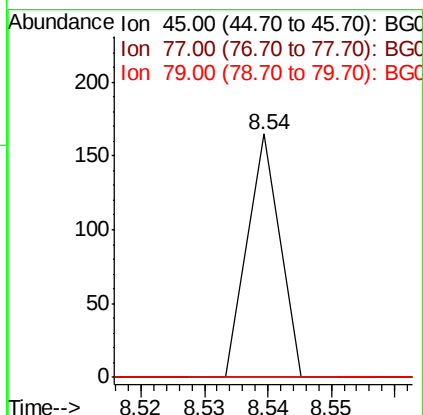
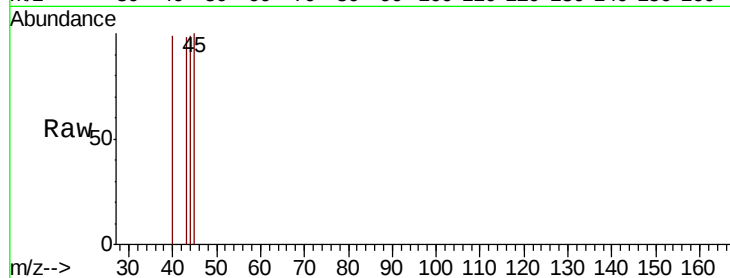




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 0.032 ng
RT: 8.54 min Scan# 928
Delta R.T. -0.00 min
Lab File: BG043662.D
Acq: 15 Nov 2019 22:29

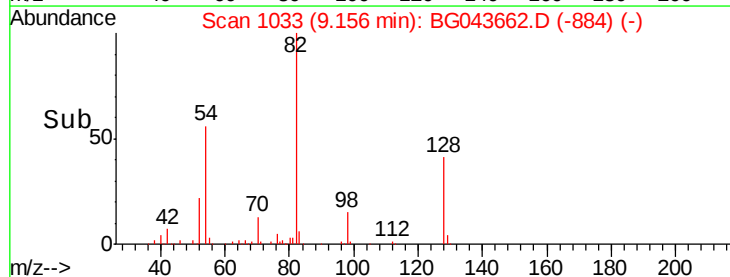
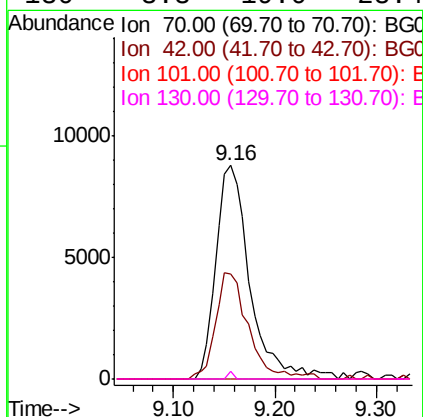
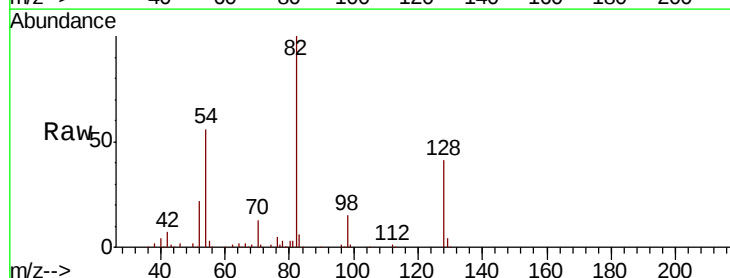
Instrument :
BNA_G
ClientSampleId :
HD-02-111319

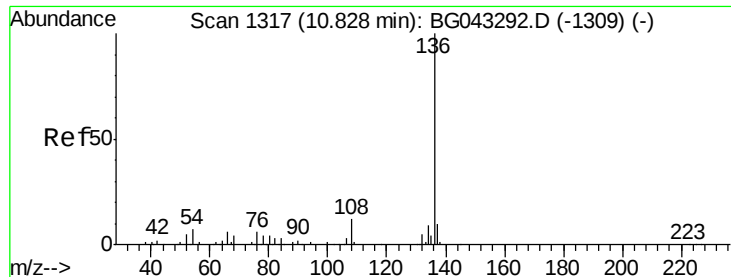
Tot Ion	Ratio	Lower	Upper
45	100		
77	0.0	0.0	34.9
79	0.0	0.0	33.0



#19
n-Nitroso-di-n-propylamine
Concen: 17.626 ng
RT: 9.16 min Scan# 1033
Delta R.T. 0.34 min
Lab File: BG043662.D
Acq: 15 Nov 2019 22:29

Tgt Ion	Ratio	Lower	Upper
70	100		
42	49.3	41.4	62.2
101	0.0	7.9	11.9#
130	3.3	19.0	28.4#

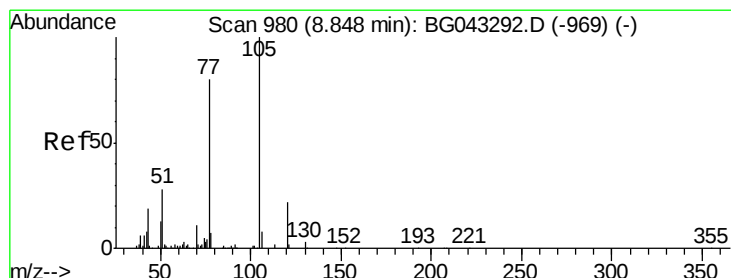
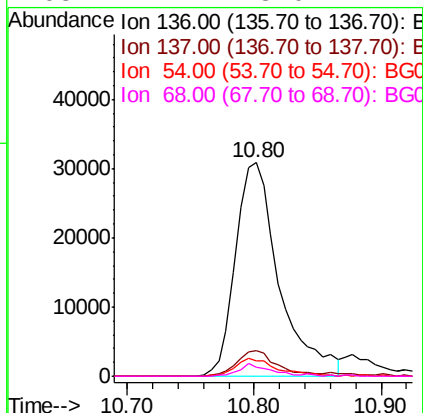
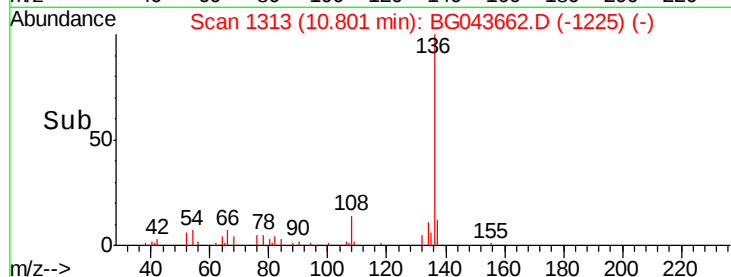
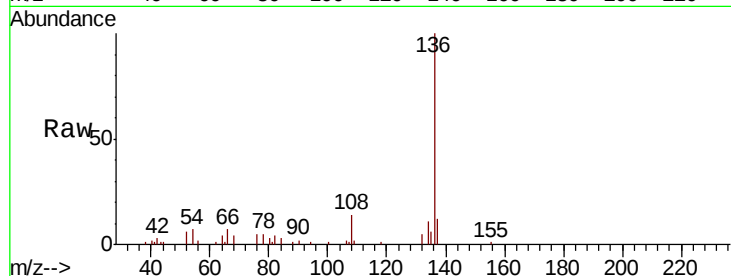




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BG043662.D
Acq: 15 Nov 2019 22:29

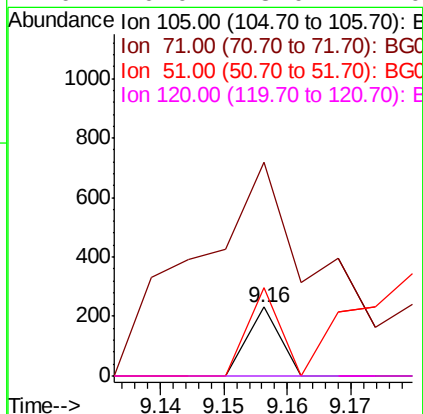
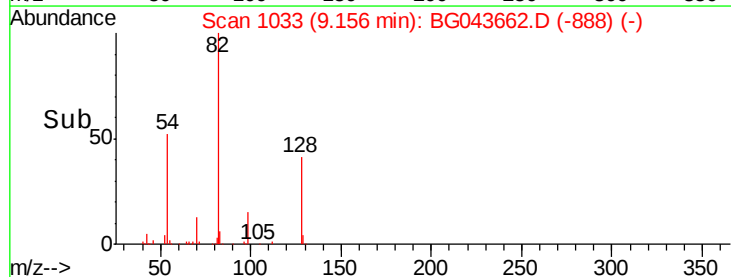
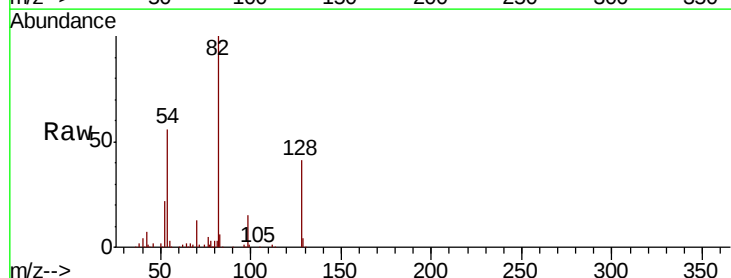
Instrument :
BNA_G
ClientSampleId :
HD-02-111319

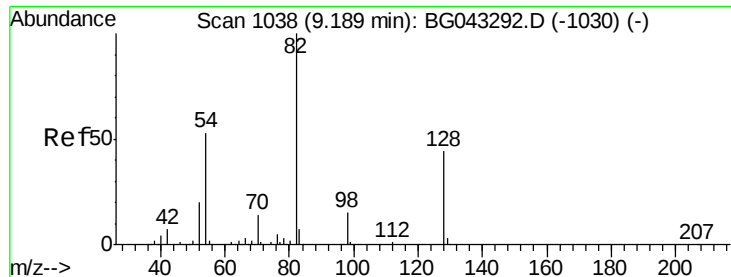
Tot Ion:136	Resp:	74029	
Ion Ratio	Lower	Upper	
136 100			
137 12.0	8.7	13.1	
54 7.0	5.4	8.2	
68 4.2	3.0	4.4	



#22
Acetophenone
Concen: 0.043 ng
RT: 9.16 min Scan# 1033
Delta R.T. 0.32 min
Lab File: BG043662.D
Acq: 15 Nov 2019 22:29

Tgt	Ion:105	Resp:	82
Ion	Ratio	Lower	Upper
105	100		
71	309.5	0.8	1.2#
51	127.2	21.0	31.4#
120	0.0	18.0	27.0#

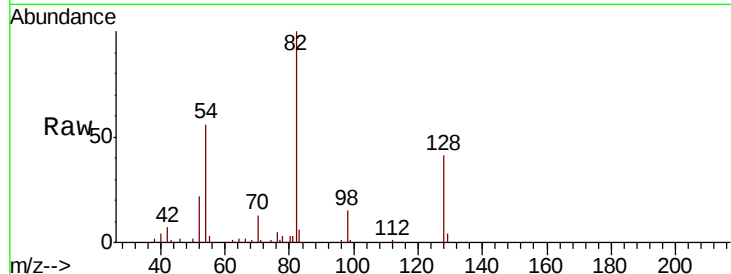




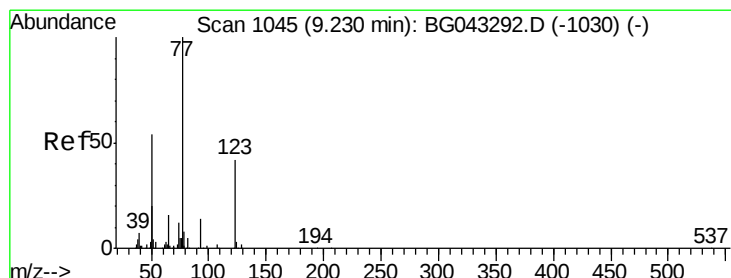
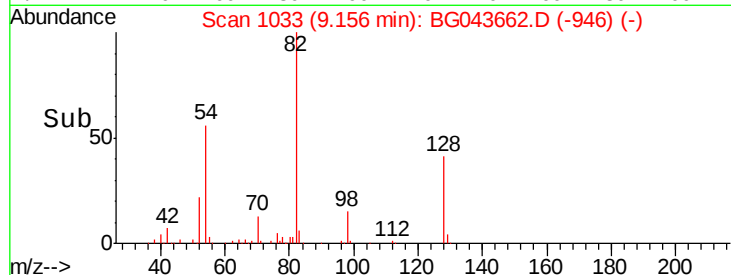
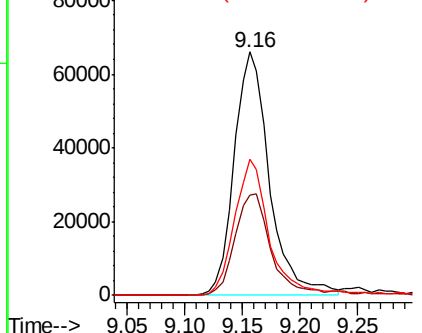
#23
 Nitrobenzene-d5
 Concen: 97.571 ng
 RT: 9.16 min Scan# 1033
 Delta R.T. -0.02 min
 Lab File: BG043662.D
 Acq: 15 Nov 2019 22:29

Instrument :
 BNA_G
 ClientSampleId :
 HD-02-111319

Tot Ion	82	Resp	140106
Ion Ratio	100	Lower	Upper
128	41.3	35.0	52.6
54	55.9	40.2	60.2

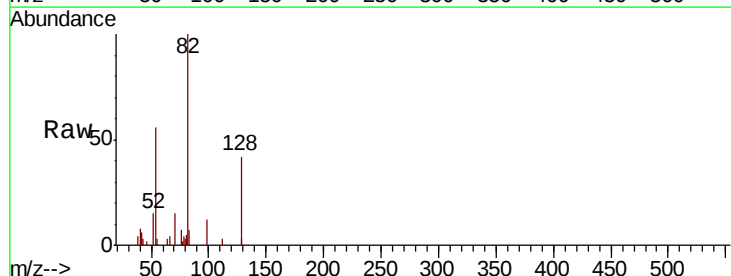


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

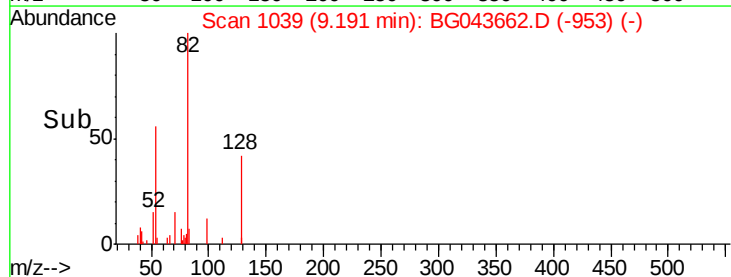
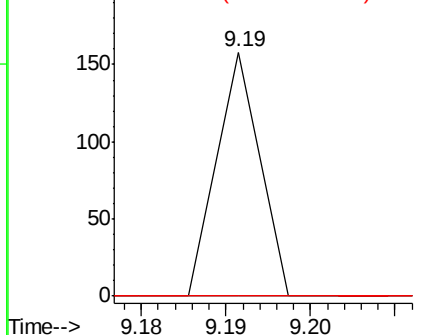


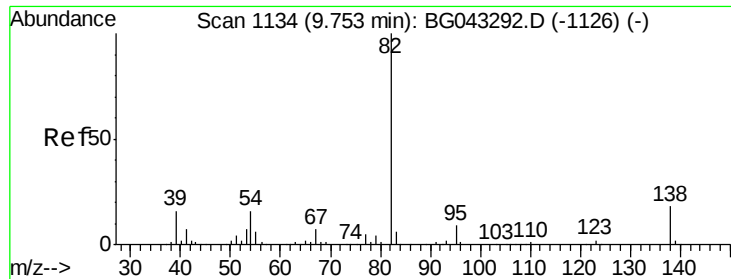
#24
 Nitrobenzene
 Concen: 0.041 ng
 RT: 9.19 min Scan# 1039
 Delta R.T. -0.03 min
 Lab File: BG043662.D
 Acq: 15 Nov 2019 22:29

Tgt Ion	77	Resp	56
Ion Ratio	100	Lower	Upper
123	0.0	35.0	52.6#
65	0.0	9.5	14.3#



Abundance Ion 77.00 (76.70 to 77.70): BGC
 Ion 123.00 (122.70 to 123.70): BGC
 Ion 65.00 (64.70 to 65.70): BGC





#25

Isophorone

Concen: 0.194 ng

RT: 9.61 min Scan# 1110

Delta R.T. -0.13 min

Lab File: BG043662.D

Acq: 15 Nov 2019 22:29

Instrument :

BNA_G

ClientSampleId :

HD-02-111319

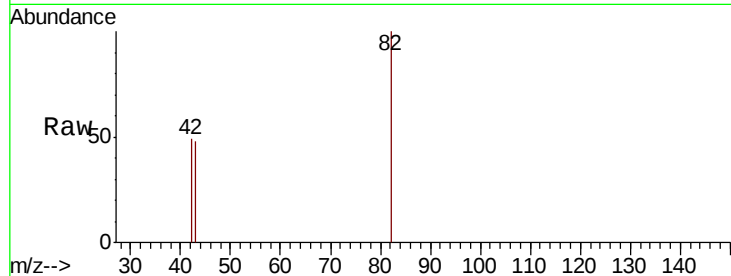
Tot Ion: 82 Resp: 510

Ion Ratio Lower Upper

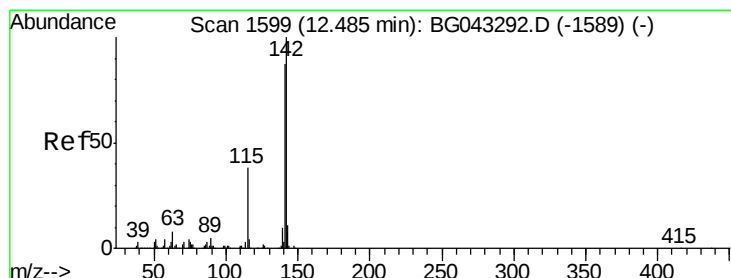
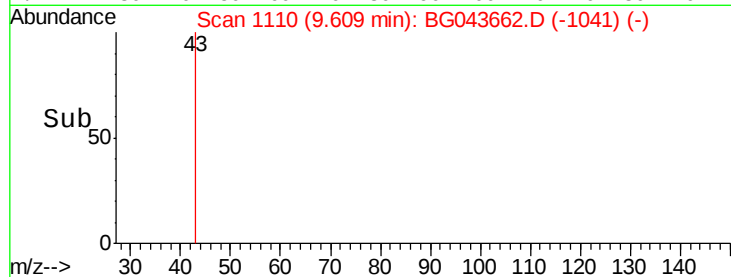
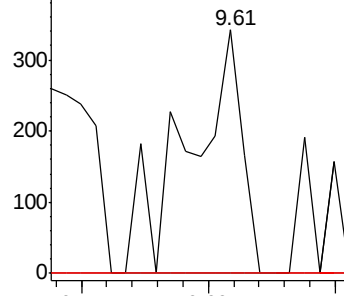
82 100

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



#37

2-Methylnaphthalene

Concen: 0.022 ng

RT: 12.57 min Scan# 1614

Delta R.T. 0.10 min

Lab File: BG043662.D

Acq: 15 Nov 2019 22:29

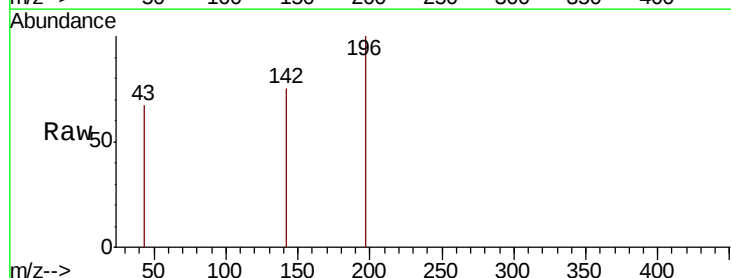
Tgt Ion: 142 Resp: 64

Ion Ratio Lower Upper

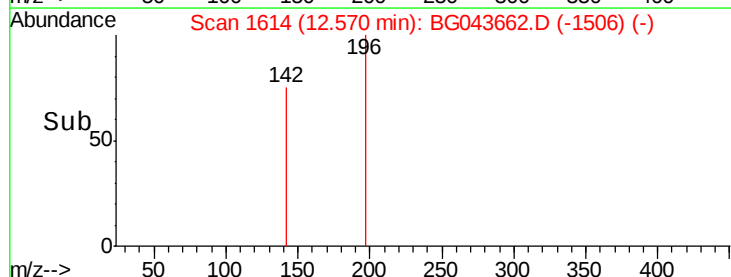
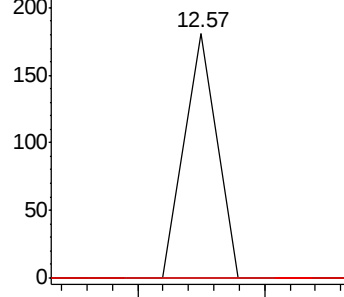
142 100

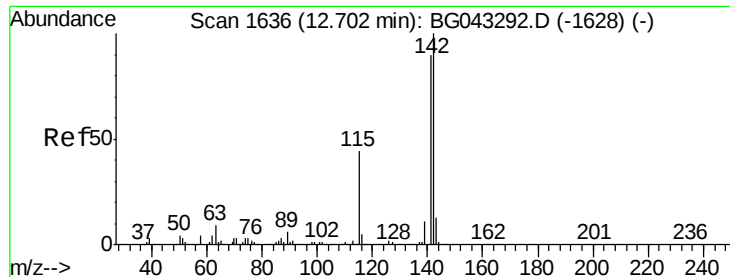
141 0.0 72.2 108.2#

115 0.0 33.2 49.8#



Abundance Ion 142.00 (141.70 to 142.70): BGC
Ion 141.00 (140.70 to 141.70): BGC
Ion 115.00 (114.70 to 115.70): BGC

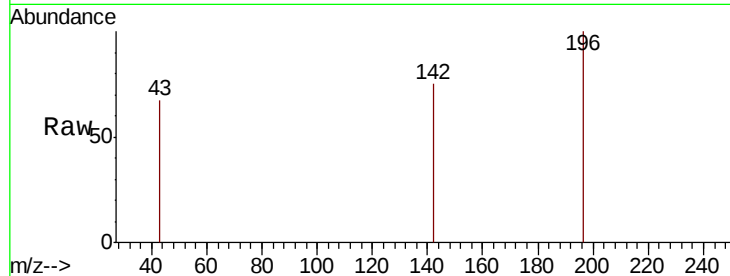




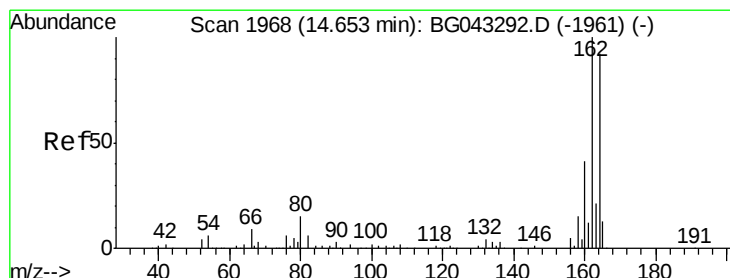
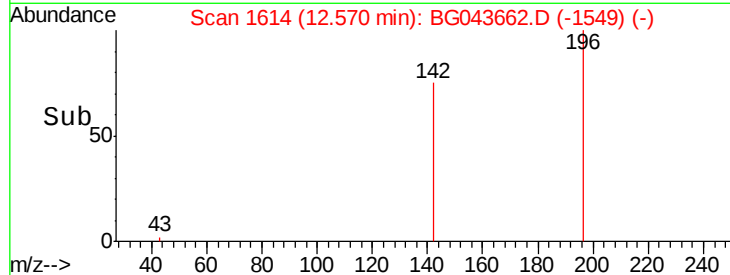
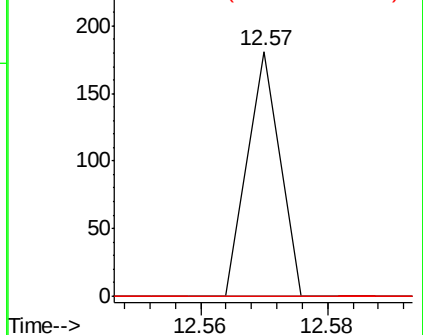
#38
1-Methylnaphthalene
Concen: 0.023 ng
RT: 12.57 min Scan# 1614
Delta R.T. -0.12 min
Lab File: BG043662.D
Acq: 15 Nov 2019 22:29

Instrument :
BNA_G
ClientSampleId :
HD-02-111319

Tot Ion:142 Resp: 64
Ion Ratio Lower Upper
142 100
141 0.0 73.2 109.8#
116 0.0 3.6 5.4#

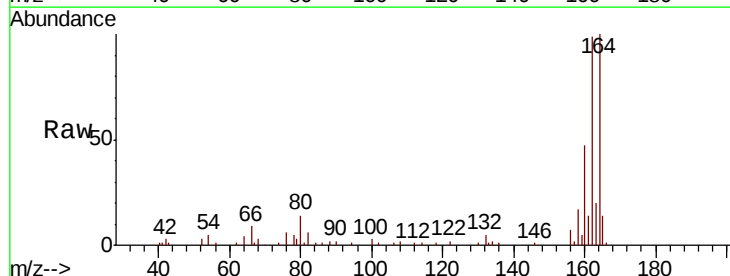


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

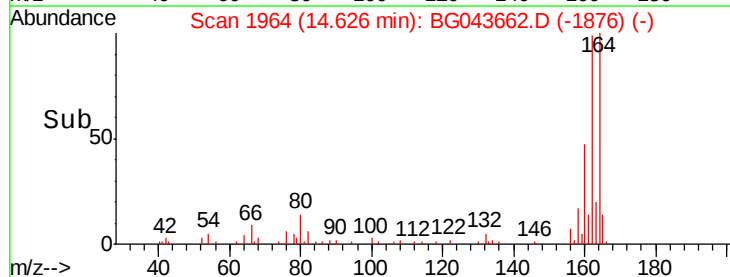
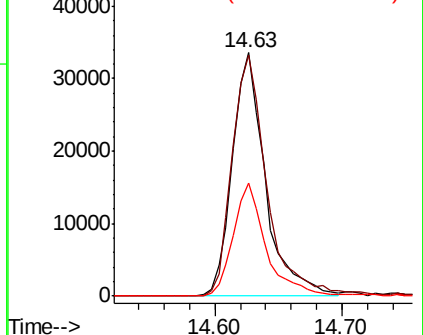


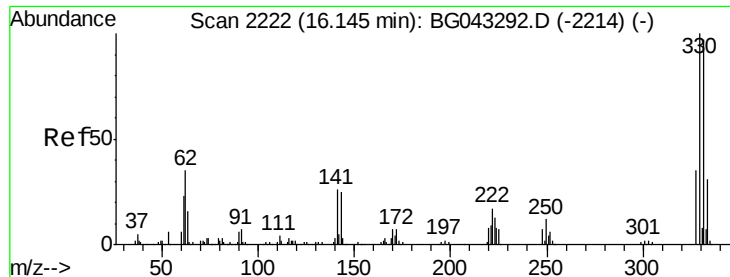
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BG043662.D
Acq: 15 Nov 2019 22:29

Tgt Ion:164 Resp: 60586
Ion Ratio Lower Upper
164 100
162 98.8 83.5 125.3
160 46.7 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

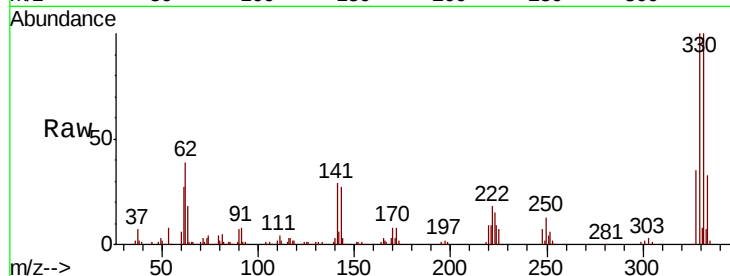




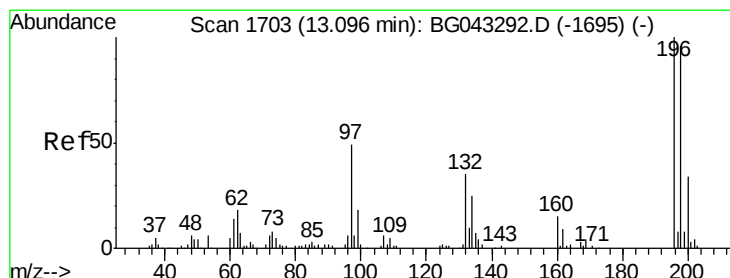
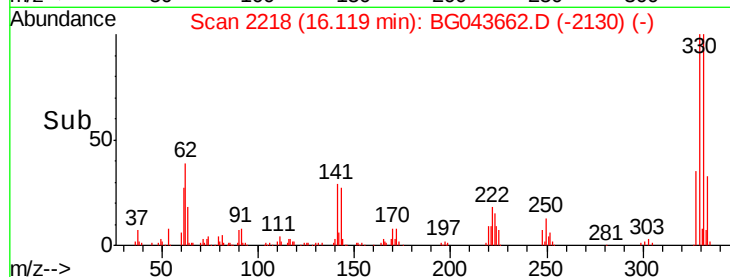
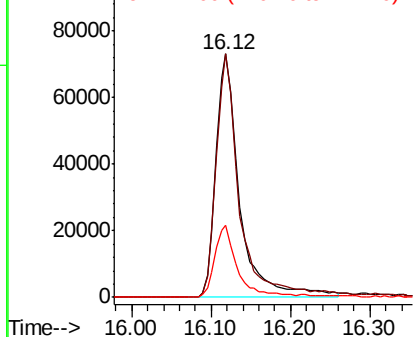
#42
 2,4,6-Tribromophenol
 Concen: 132.214 ng
 RT: 16.12 min Scan# 2218
 Delta R.T. -0.01 min
 Lab File: BG043662.D
 Acq: 15 Nov 2019 22:29

Instrument :
 BNA_G
 ClientSampleId :
 HD-02-111319

Tot Ion:330 Resp: 152437
 Ion Ratio Lower Upper
 330 100
 332 98.2 77.4 116.0
 141 27.8 22.8 34.2

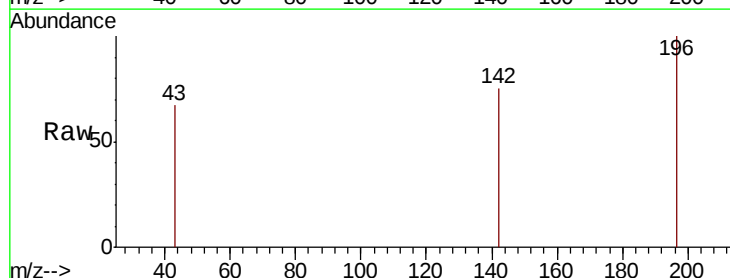


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

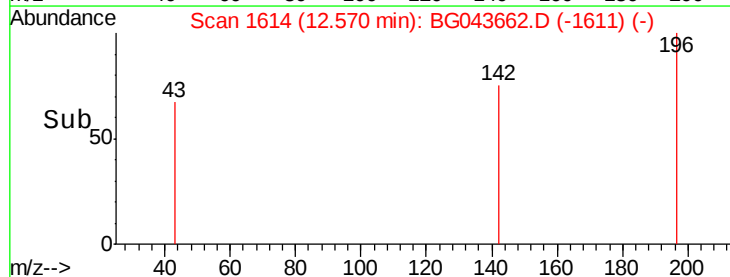
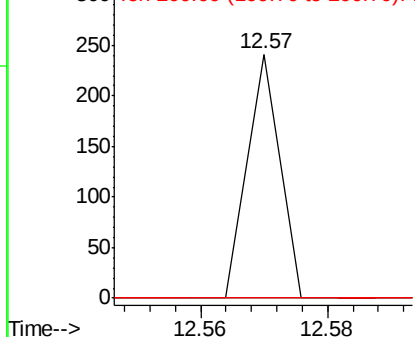


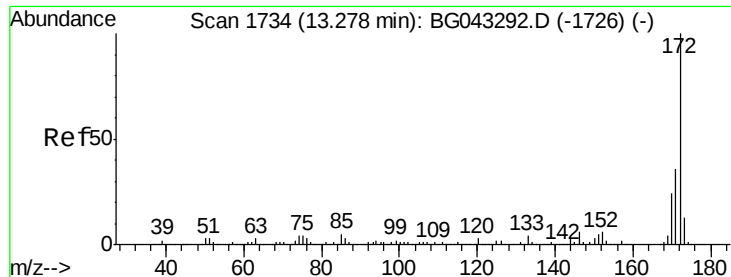
#43
 2,4,6-Trichlorophenol
 Concen: 0.064 ng
 RT: 12.57 min Scan# 1614
 Delta R.T. -0.51 min
 Lab File: BG043662.D
 Acq: 15 Nov 2019 22:29

Tgt Ion:196 Resp: 85
 Ion Ratio Lower Upper
 196 100
 198 0.0 75.8 113.6#
 200 0.0 23.9 35.9#



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

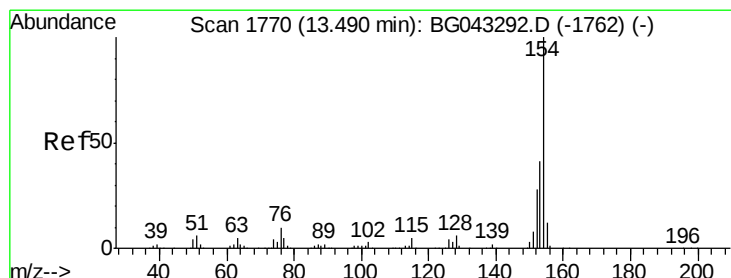
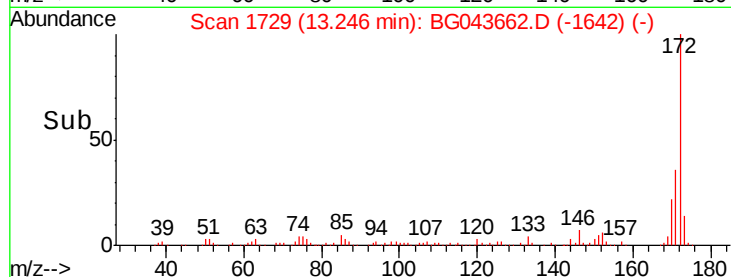
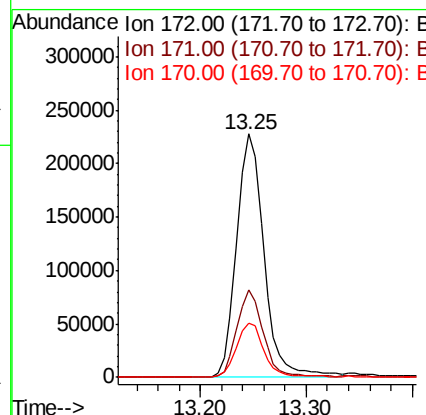
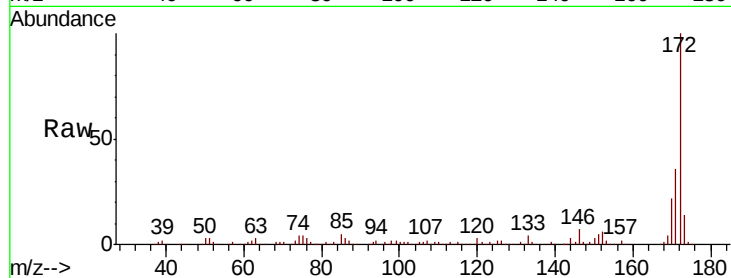




#45
 2-Fluorobiphenyl
 Concen: 93.399 ng
 RT: 13.25 min Scan# 1729
 Delta R.T. -0.02 min
 Lab File: BG043662.D
 Acq: 15 Nov 2019 22:29

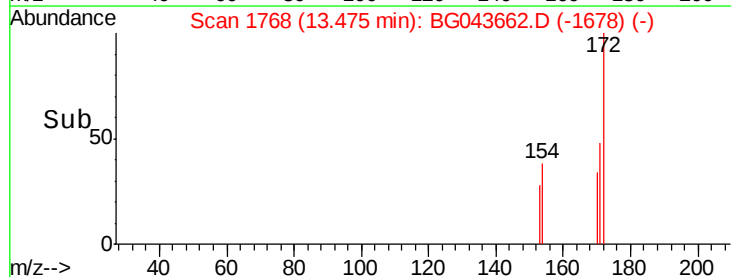
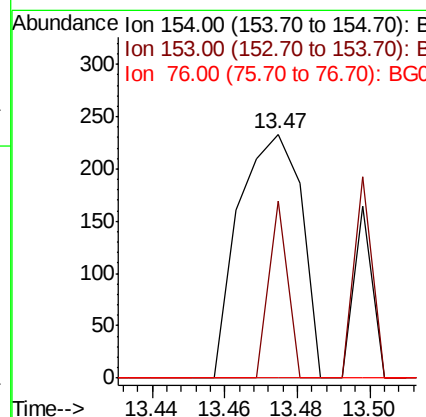
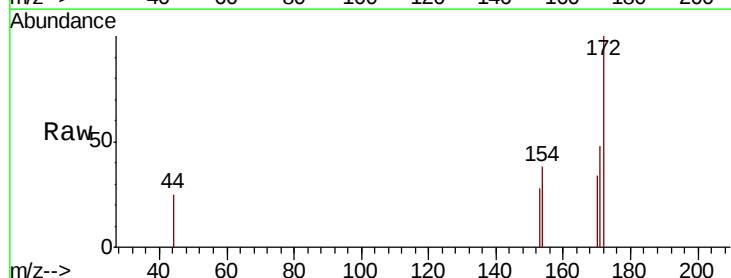
Instrument :
 BNA_G
 ClientSampleId :
 HD-02-111319

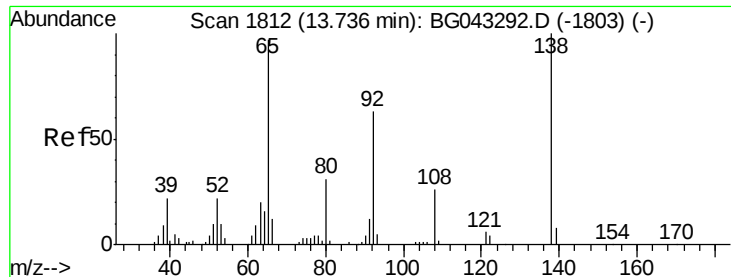
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.9	43.3
170	22.3	18.5	27.7



#46
 1,1'-Biphenyl
 Concen: 0.061 ng
 RT: 13.47 min Scan# 1768
 Delta R.T. -0.00 min
 Lab File: BG043662.D
 Acq: 15 Nov 2019 22:29

Tgt Ion	Ratio	Lower	Upper
154	100		
153	72.5	19.9	59.9#
76	0.0	0.0	29.4

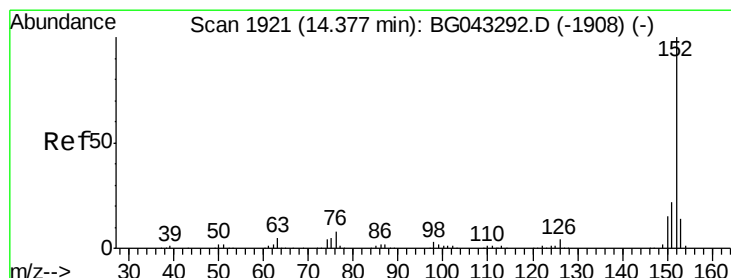
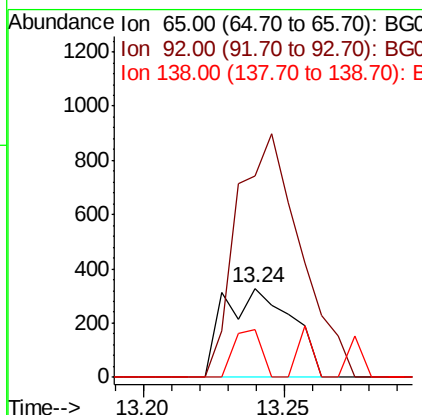
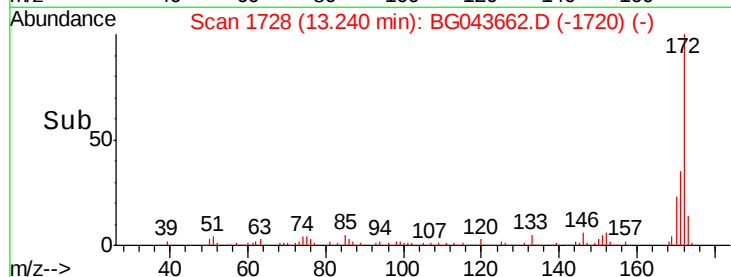
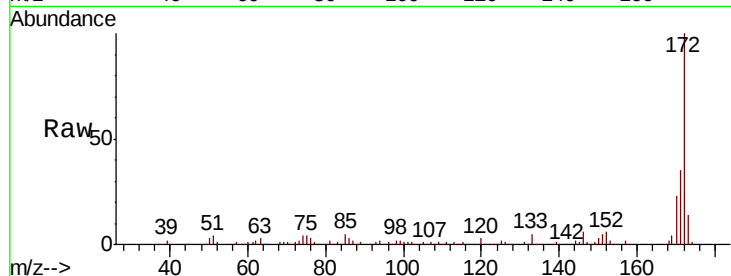




#48
2-Nitroaniline
Concen: 0.521 ng
RT: 13.24 min Scan# 1728
Delta R.T. -0.48 min
Lab File: BG043662.D
Acq: 15 Nov 2019 22:29

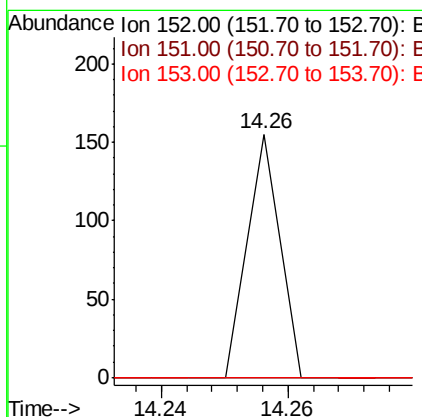
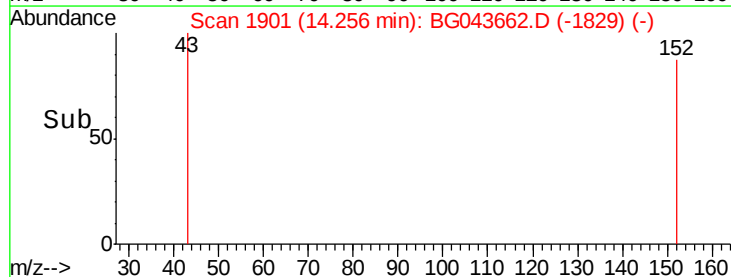
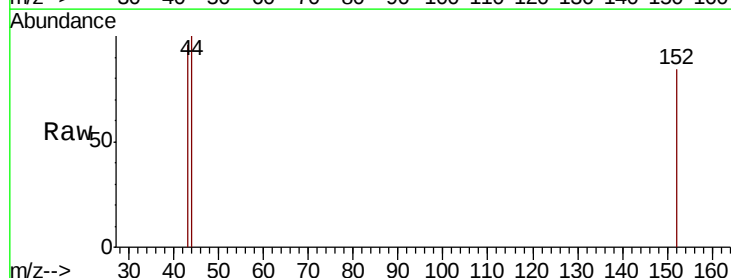
Instrument :
BNA_G
ClientSampleId :
HD-02-111319

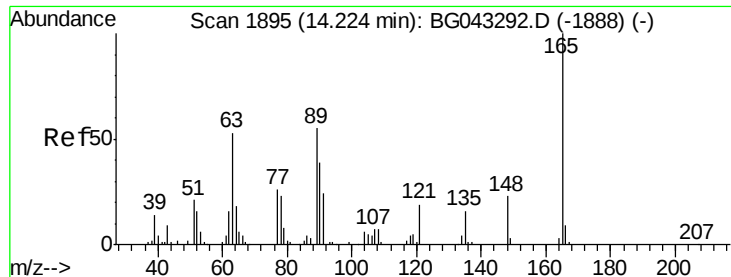
Tot Ion: 65 Resp: 546
Ion Ratio Lower Upper
65 100
92 226.1 56.2 84.2#
138 54.1 82.6 123.8#



#49
Acenaphthylene
Concen: 0.010 ng
RT: 14.26 min Scan# 1901
Delta R.T. -0.11 min
Lab File: BG043662.D
Acq: 15 Nov 2019 22:29

Tgt Ion: 152 Resp: 55
Ion Ratio Lower Upper
152 100
151 0.0 16.2 24.4#
153 0.0 10.6 15.8#

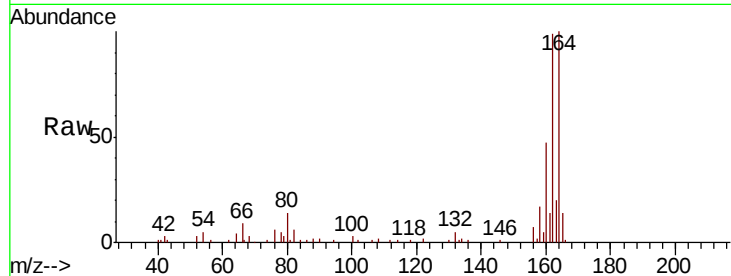




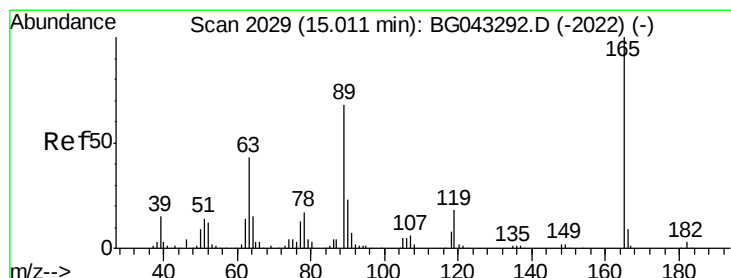
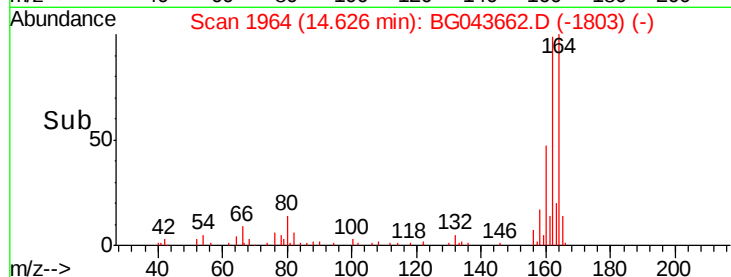
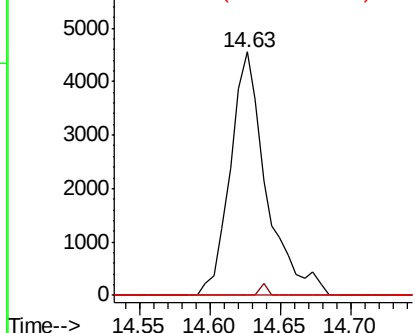
#51
 2,6-Dinitrotoluene
 Concen: 7.922 ng
 RT: 14.63 min Scan# 1964
 Delta R.T. 0.41 min
 Lab File: BG043662.D
 Acq: 15 Nov 2019 22:29

Instrument :
 BNA_G
 ClientSampleId :
 HD-02-111319

Tot Ion:165 Resp: 8077
 Ion Ratio Lower Upper
 165 100
 63 0.0 46.6 69.8#
 89 0.0 45.1 67.7#

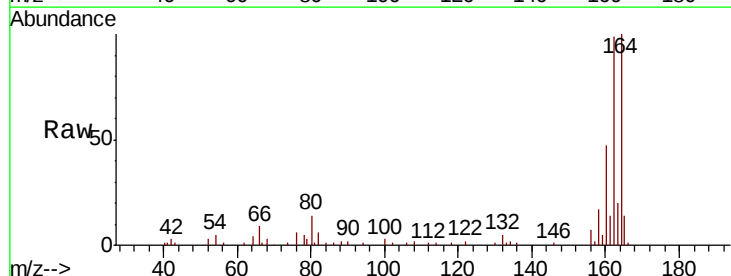


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

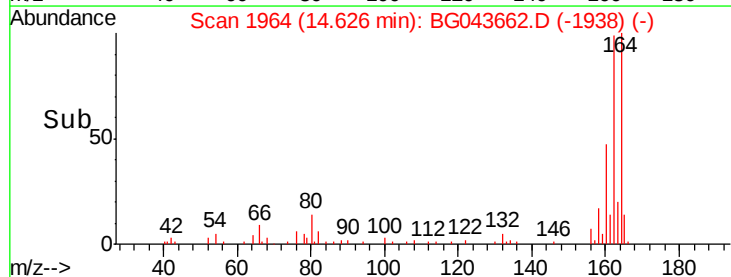
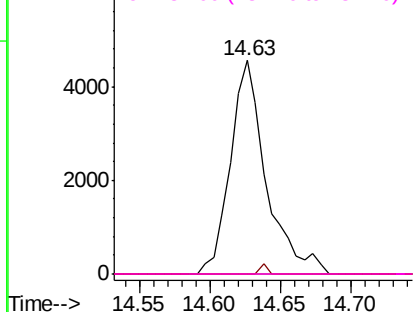


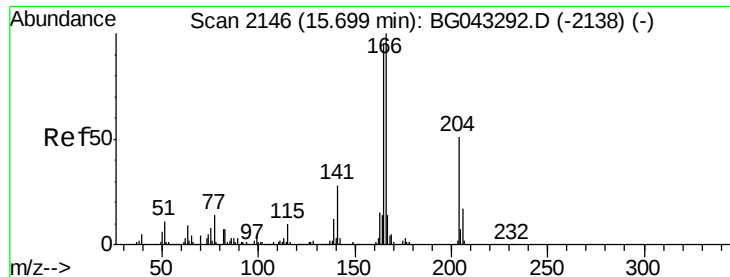
#57
 2,4-Dinitrotoluene
 Concen: 5.544 ng
 RT: 14.63 min Scan# 1964
 Delta R.T. -0.38 min
 Lab File: BG043662.D
 Acq: 15 Nov 2019 22:29

Tgt Ion:165 Resp: 8077
 Ion Ratio Lower Upper
 165 100
 63 0.0 33.2 49.8#
 89 0.0 52.2 78.4#
 182 0.0 2.0 3.0#



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
 Ion 182.00 (181.70 to 182.70): E





#58

Fluorene

Concen: 0.876 ng

RT: 16.11 min Scan# 2217

Delta R.T. 0.43 min

Lab File: BG043662.D

Acq: 15 Nov 2019 22:29

Instrument :

BNA_G

ClientSampleId :

HD-02-111319

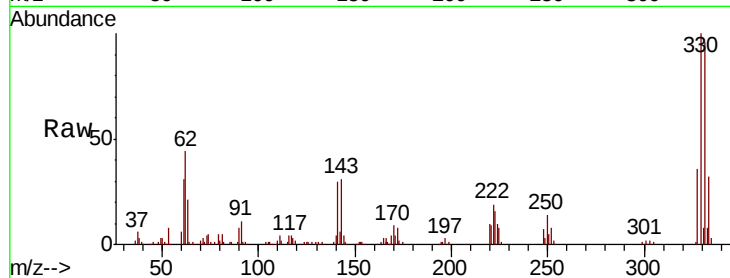
Tot Ion:166 Resp: 3964

Ion Ratio Lower Upper

166 100

165 94.3 79.0 118.6

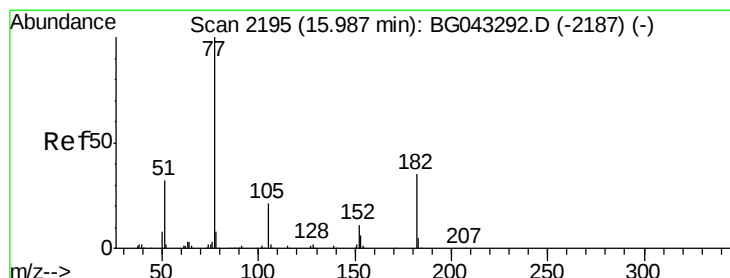
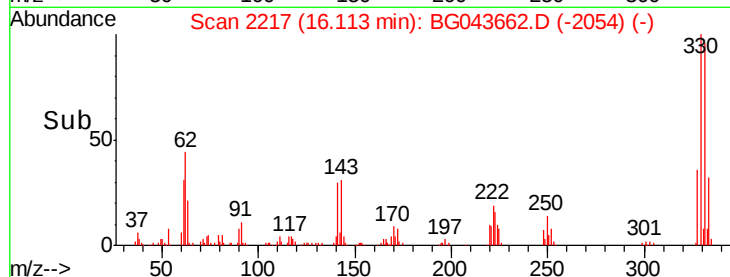
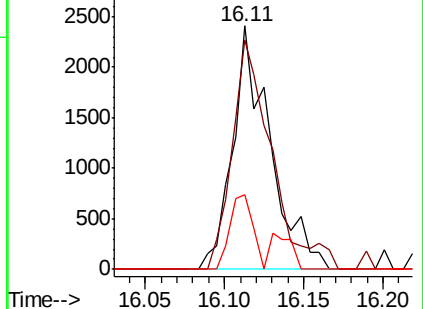
167 30.9 10.5 15.7#



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



#63

Azobenzene

Concen: 0.174 ng

RT: 16.11 min Scan# 2217

Delta R.T. 0.14 min

Lab File: BG043662.D

Acq: 15 Nov 2019 22:29

Tgt Ion: 77 Resp: 663

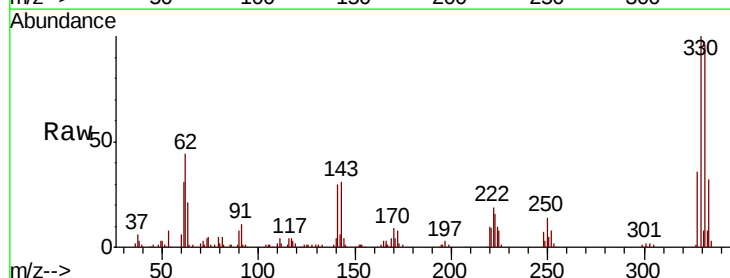
Ion Ratio Lower Upper

77 100

182 0.0 13.7 53.7#

105 75.7 0.4 40.4#

51 84.8 11.0 51.0#

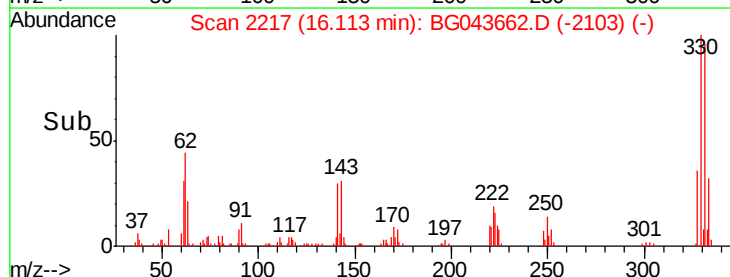
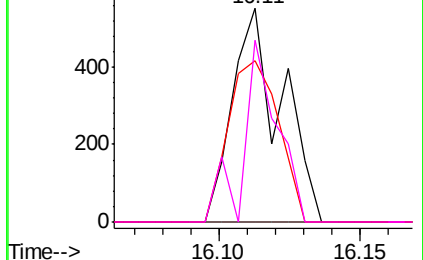


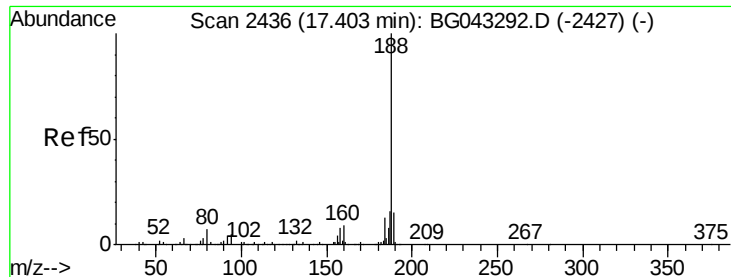
Abundance Ion 77.00 (76.70 to 77.70): BGC

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: BG043662.D

Acq: 15 Nov 2019 22:29

Instrument :

BNA_G

ClientSampleId :

HD-02-111319

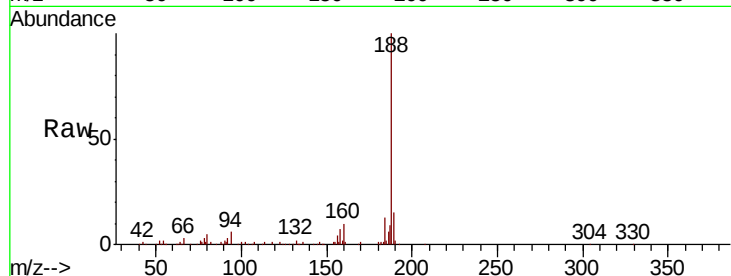
Tot Ion:188 Resp: 165659

Ion Ratio Lower Upper

188 100

94 5.6 4.2 6.4

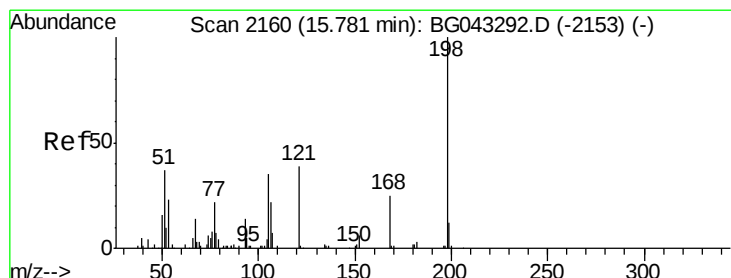
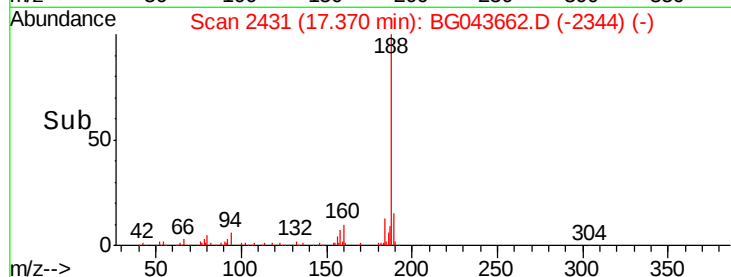
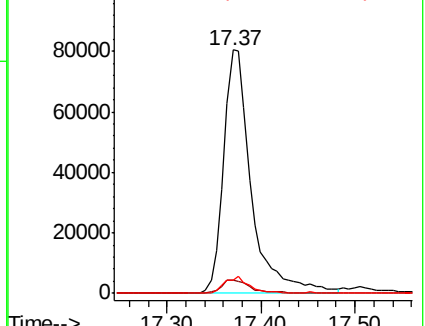
80 5.2 4.5 6.7



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: 0.214 ng

RT: 16.12 min Scan# 2218

Delta R.T. 0.34 min

Lab File: BG043662.D

Acq: 15 Nov 2019 22:29

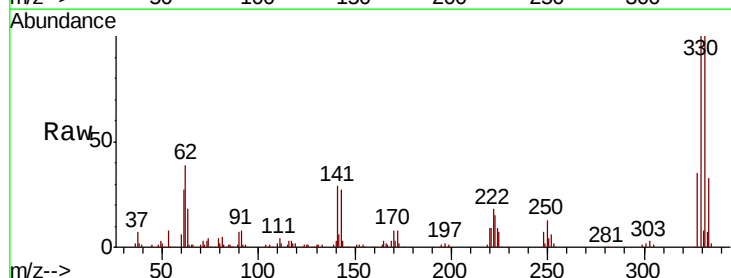
Tgt Ion:198 Resp: 209

Ion Ratio Lower Upper

198 100

51 30.1 13.2 53.2

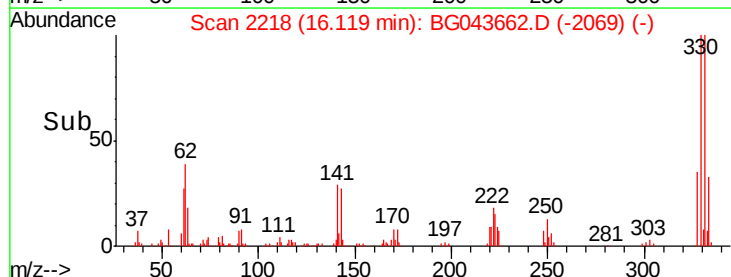
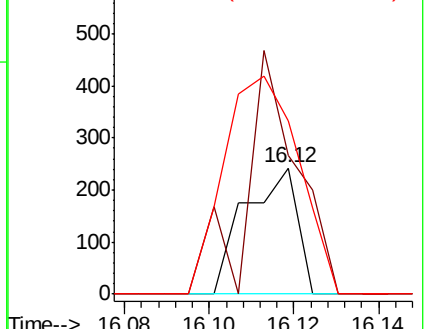
105 37.5 15.8 55.8

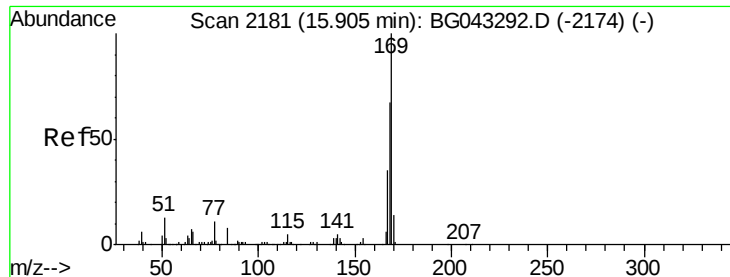


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

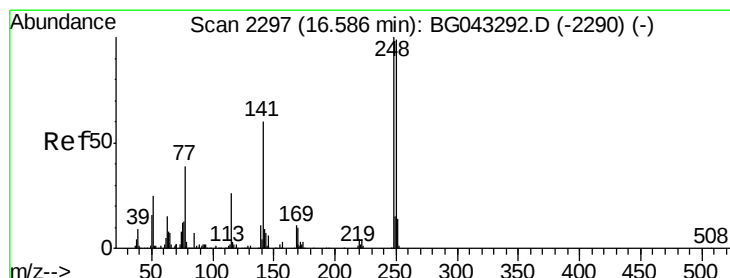
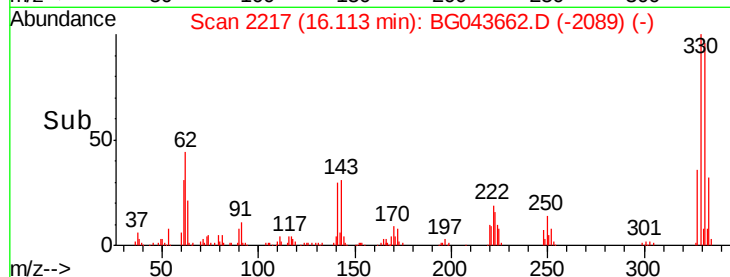
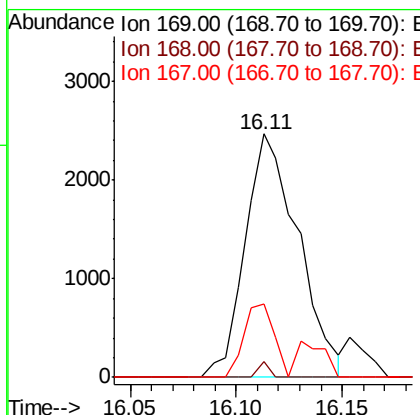
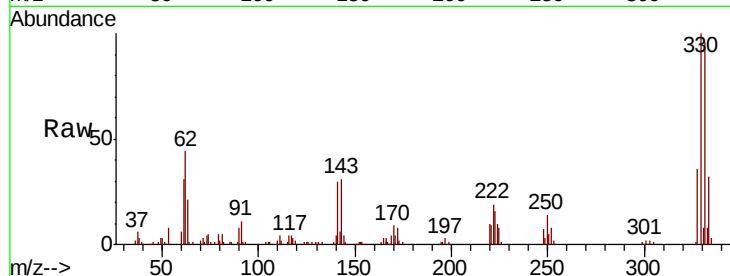




#66
 n-Nitrosodiphenylamine
 Concen: 0.921 ng
 RT: 16.11 min Scan# 2217
 Delta R.T. 0.22 min
 Lab File: BG043662.D
 Acq: 15 Nov 2019 22:29

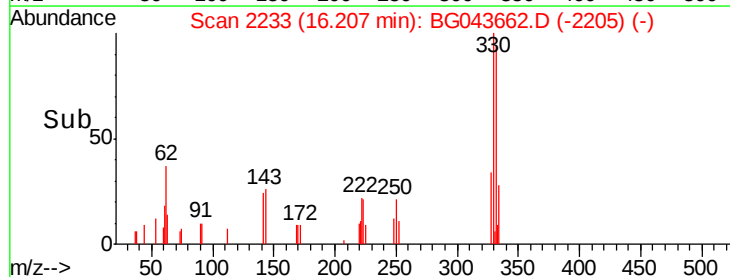
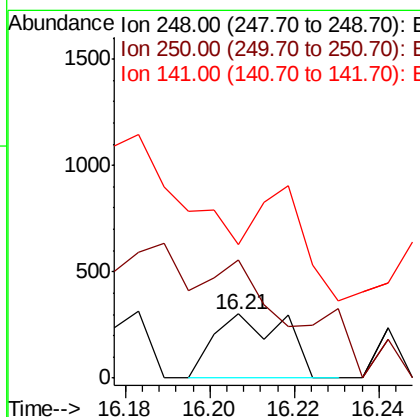
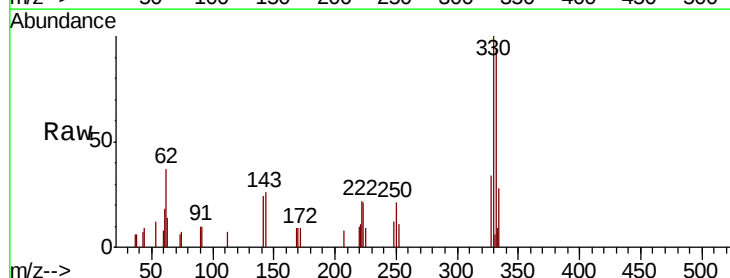
Instrument :
 BNA_G
 ClientSampleId :
 HD-02-111319

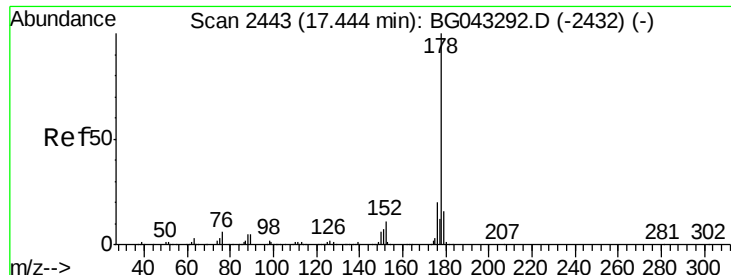
Tot Ion:169 Resp: 4308
 Ion Ratio Lower Upper
 169 100
 168 6.3 53.8 80.6#
 167 30.1 27.5 41.3



#67
 4-Bromophenyl-phenylether
 Concen: 0.157 ng
 RT: 16.21 min Scan# 2233
 Delta R.T. -0.37 min
 Lab File: BG043662.D
 Acq: 15 Nov 2019 22:29

Tgt Ion:248 Resp: 349
 Ion Ratio Lower Upper
 248 100
 250 183.4 77.0 115.4#
 141 208.6 47.5 71.3#

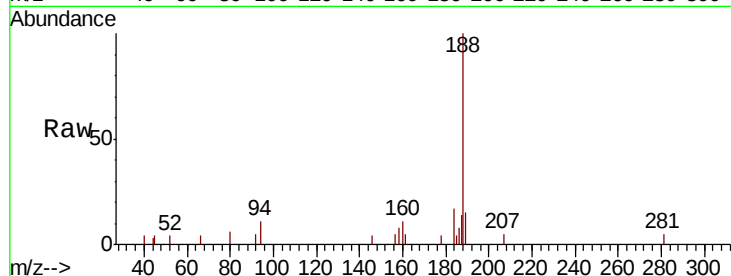




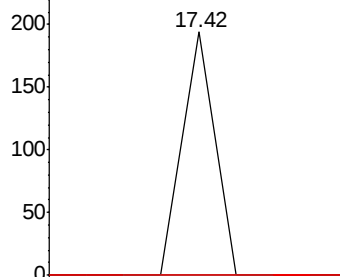
#71
Phenanthrene
Concen: 0.008 ng
RT: 17.42 min Scan# 2440
Delta R.T. -0.01 min
Lab File: BG043662.D
Acq: 15 Nov 2019 22:29

Instrument :
BNA_G
ClientSampleId :
HD-02-111319

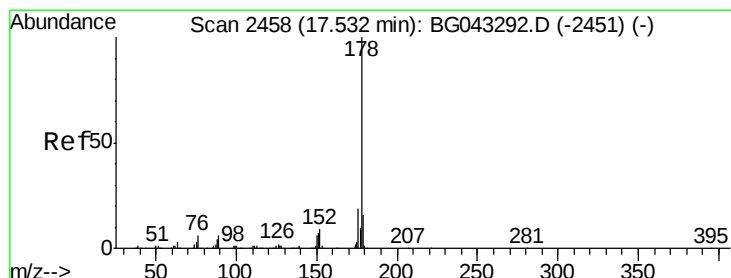
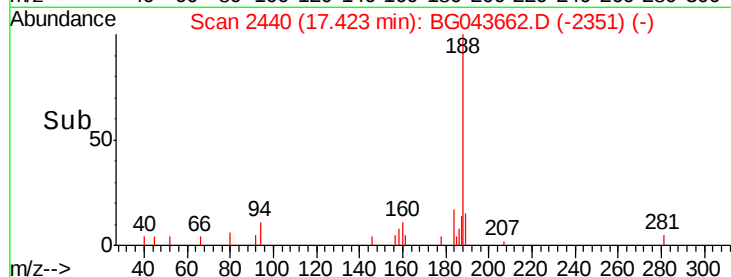
Tot Ion:178 Resp: 68
Ion Ratio Lower Upper
178 100
176 0.0 15.4 23.0#
179 0.0 13.0 19.6#



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

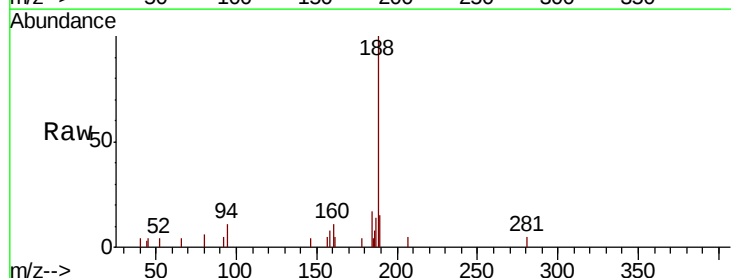


Time--> 17.40 17.42 17.44

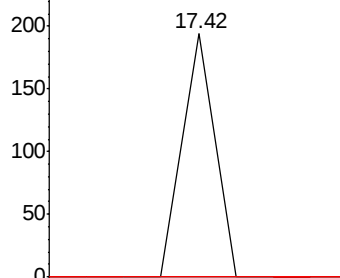


#72
Anthracene
Concen: 0.008 ng
RT: 17.42 min Scan# 2440
Delta R.T. -0.10 min
Lab File: BG043662.D
Acq: 15 Nov 2019 22:29

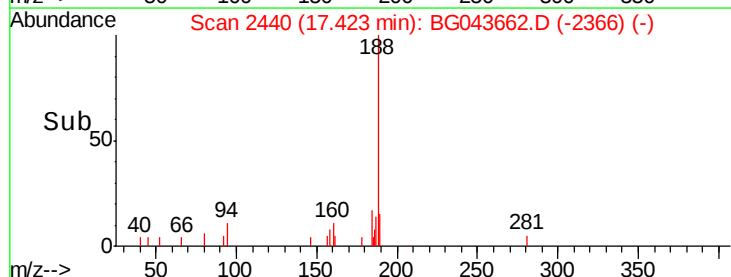
Tgt Ion:178 Resp: 68
Ion Ratio Lower Upper
178 100
176 0.0 15.5 23.3#
179 0.0 13.7 20.5#

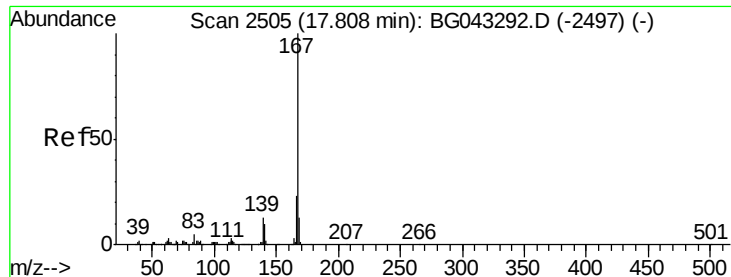


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time--> 17.40 17.42 17.44





#73

Carbazole

Concen: 0.007 ng

RT: 17.60 min Scan# 2470

Delta R.T. -0.20 min

Lab File: BG043662.D

Acq: 15 Nov 2019 22:29

Instrument :

BNA_G

ClientSampleId :

HD-02-111319

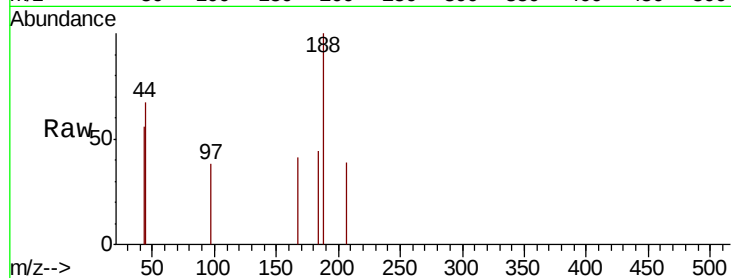
Tot Ion:167 Resp: 57

Ion Ratio Lower Upper

167 100

166 0.0 18.7 28.1#

139 0.0 10.0 15.0#



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

17.60

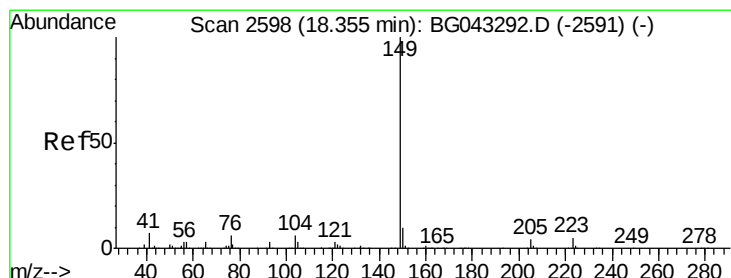
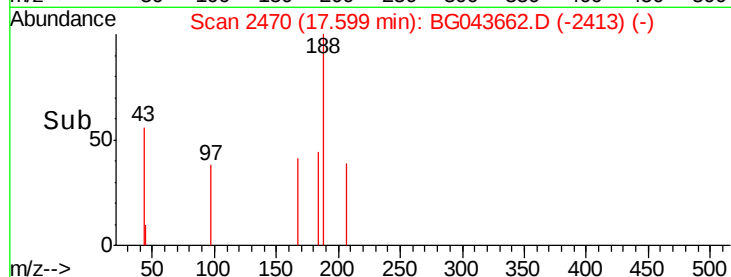
150

100

50

0

Time--> 17.58 17.60



#74

Di-n-butylphthalate

Concen: 0.012 ng

RT: 18.35 min Scan# 2598

Delta R.T. 0.01 min

Lab File: BG043662.D

Acq: 15 Nov 2019 22:29

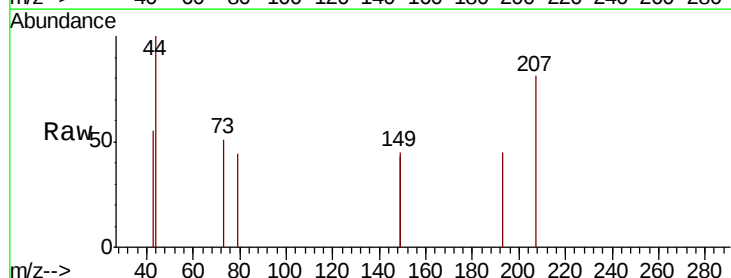
Tgt Ion:149 Resp: 108

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

18.35

400

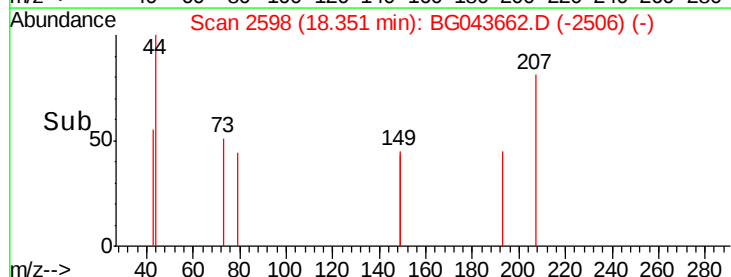
300

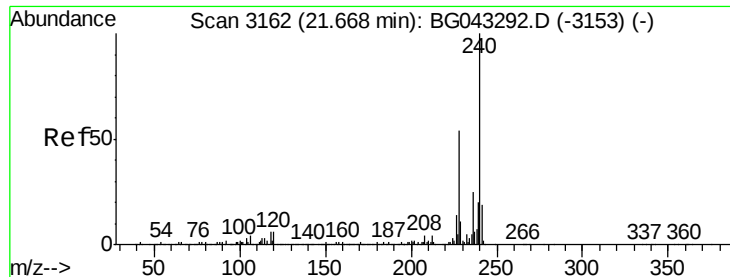
200

100

0

Time--> 18.34 18.36





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3157

Delta R.T. -0.02 min

Lab File: BG043662.D

Acq: 15 Nov 2019 22:29

Instrument :

BNA_G

ClientSampleId :

HD-02-111319

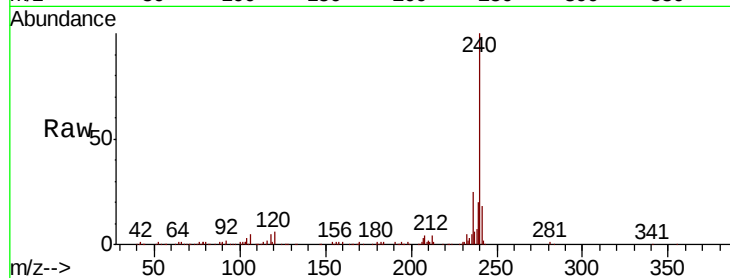
Tot Ion:240 Resp: 198180

Ion Ratio Lower Upper

240 100

120 5.8 4.6 6.8

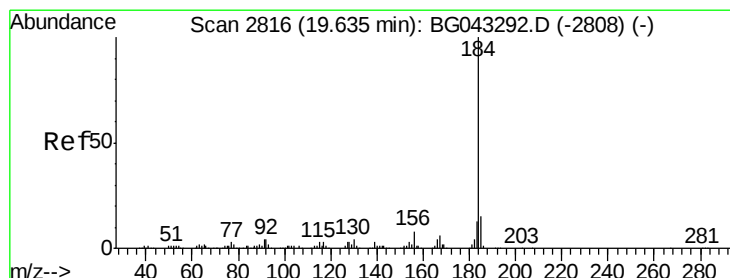
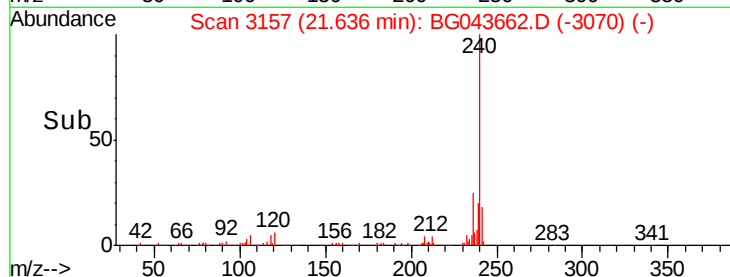
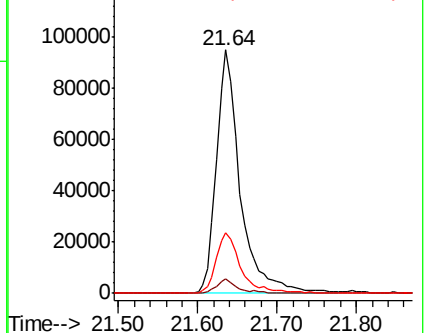
236 24.8 19.8 29.8



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: 3.877 ng

RT: 19.98 min Scan# 2876

Delta R.T. 0.36 min

Lab File: BG043662.D

Acq: 15 Nov 2019 22:29

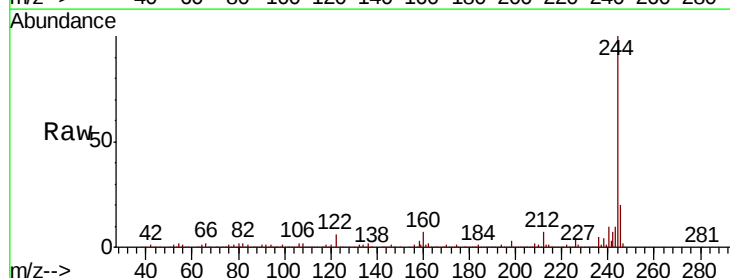
Tgt Ion:184 Resp: 15462

Ion Ratio Lower Upper

184 100

185 14.6 11.0 16.4

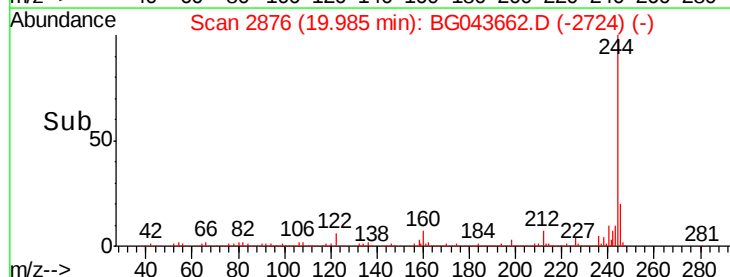
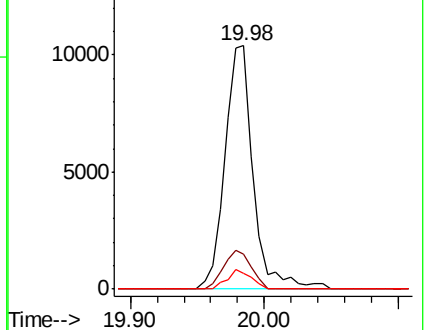
183 6.6 10.0 15.0#

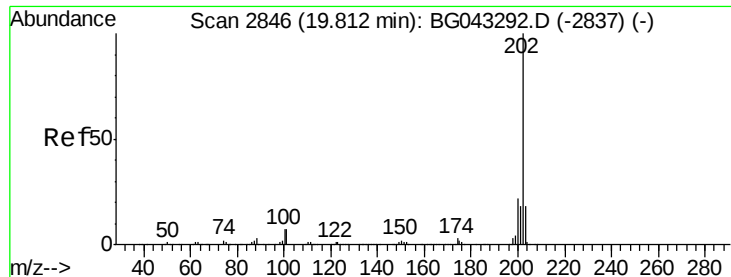


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

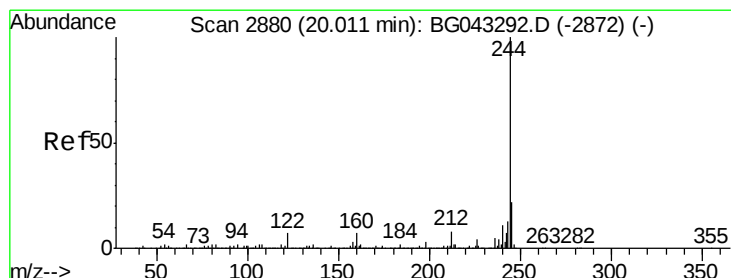
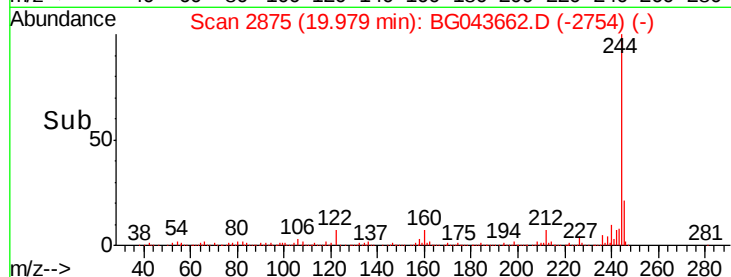
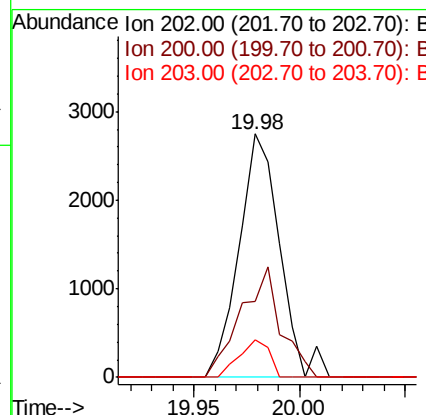
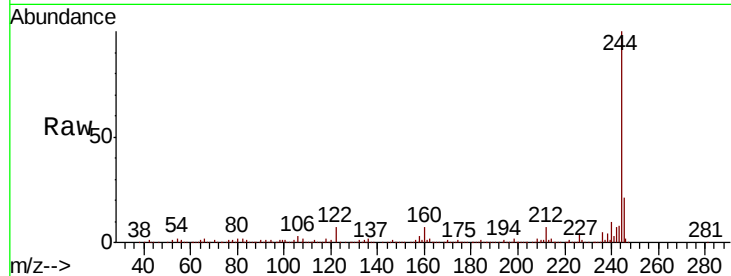




#78
Pvrene
Concen: 0.299 ng
RT: 19.98 min Scan# 2875
Delta R.T. 0.18 min
Lab File: BG043662.D
Acq: 15 Nov 2019 22:29

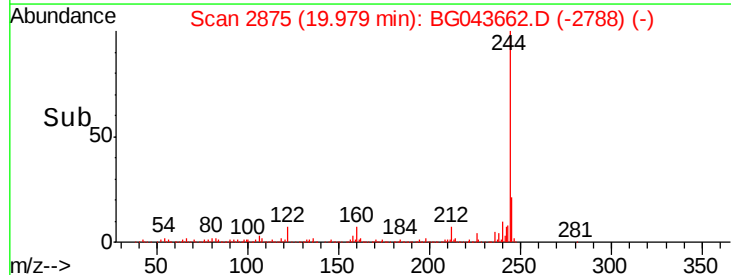
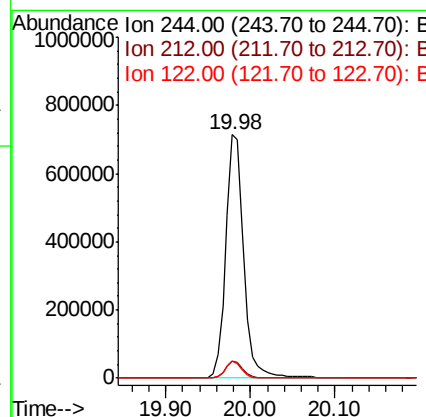
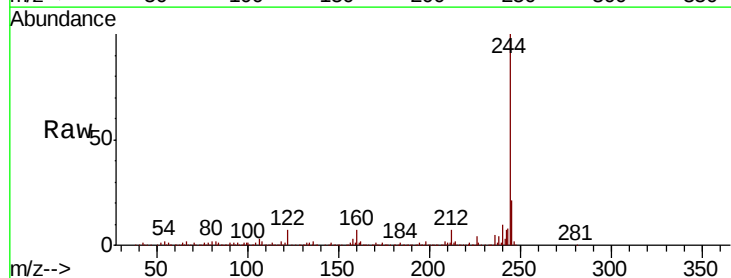
Instrument :
BNA_G
ClientSampleId :
HD-02-111319

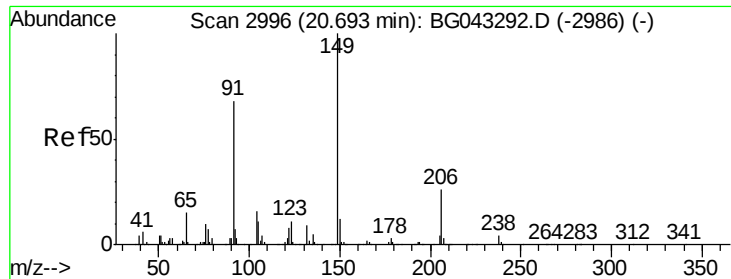
Tot Ion:202 Resp: 3667
Ion Ratio Lower Upper
202 100
200 31.0 17.0 25.4#
203 15.2 14.7 22.1



#79
Terphenyl-d14
Concen: 99.661 ng
RT: 19.98 min Scan# 2875
Delta R.T. -0.02 min
Lab File: BG043662.D
Acq: 15 Nov 2019 22:29

Tgt Ion:244 Resp: 1052788
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.6
122 6.8 5.4 8.2

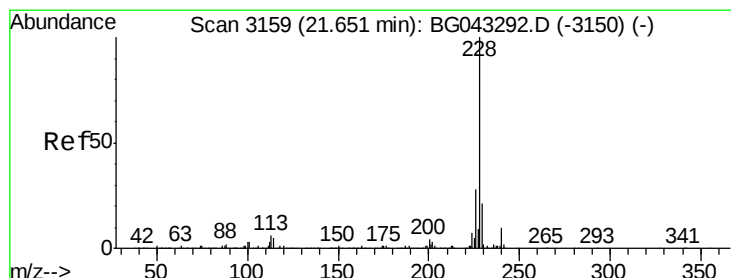
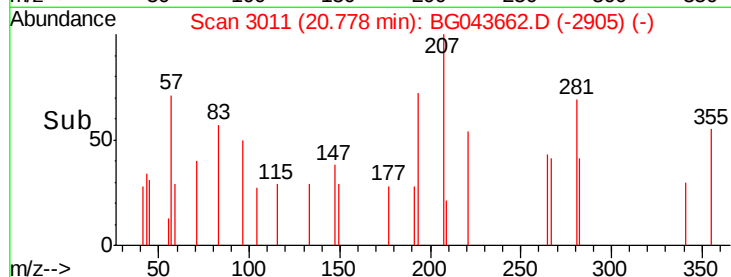
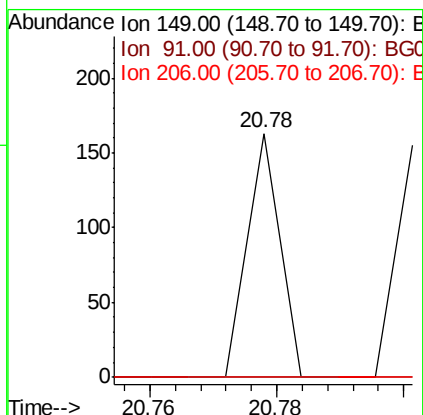
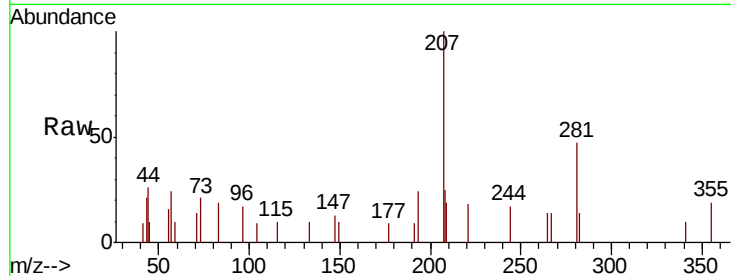




#80
 Butylbenzylphthalate
 Concen: 0.012 ng
 RT: 20.78 min Scan# 3011
 Delta R.T. 0.09 min
 Lab File: BG043662.D
 Acq: 15 Nov 2019 22:29

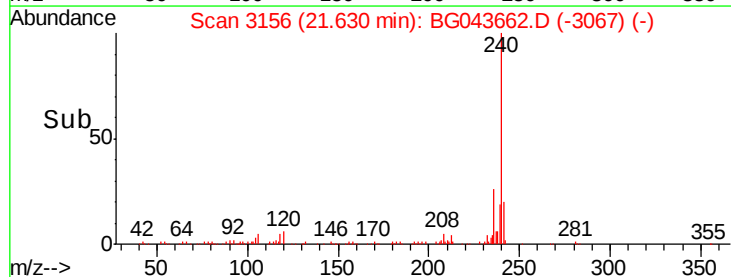
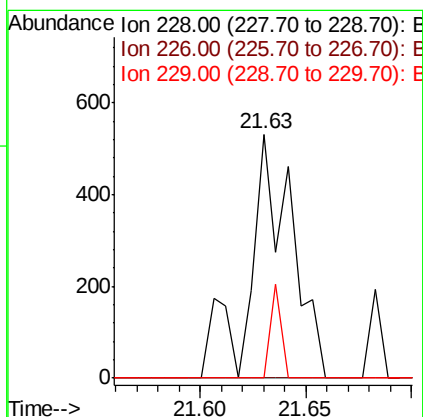
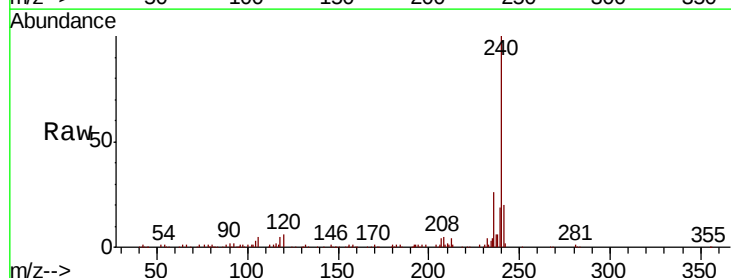
Instrument :
 BNA_G
 ClientSampleID :
 HD-02-111319

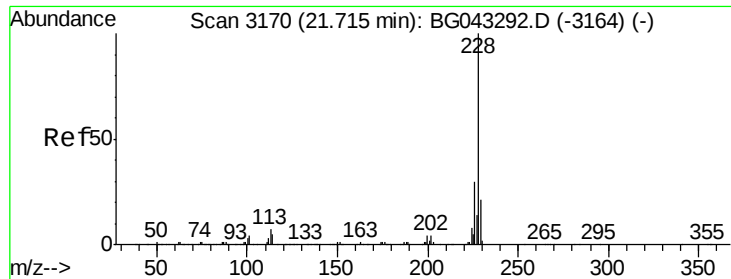
Tot Ion	Ratio	Lower	Upper
149	100		
91	0.0	51.2	76.8#
206	0.0	22.5	33.7#



#81
 Benzo(a)anthracene
 Concen: 0.060 ng
 RT: 21.63 min Scan# 3156
 Delta R.T. -0.01 min
 Lab File: BG043662.D
 Acq: 15 Nov 2019 22:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	0.0	22.2	33.2#
229	0.0	17.0	25.4#





#83

Chrysene

Concen: 0.006 ng

RT: 21.68 min Scan# 3165

Delta R.T. -0.02 min

Lab File: BG043662.D

Acq: 15 Nov 2019 22:29

Instrument :

BNA_G

ClientSampleId :

HD-02-111319

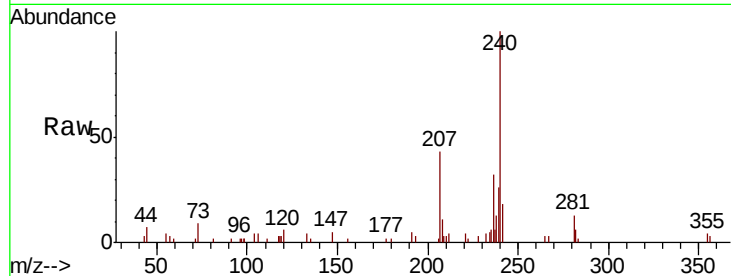
Tot Ion:228 Resp: 68

Ion Ratio Lower Upper

228 100

226 0.0 25.1 37.7#

229 0.0 17.0 25.4#

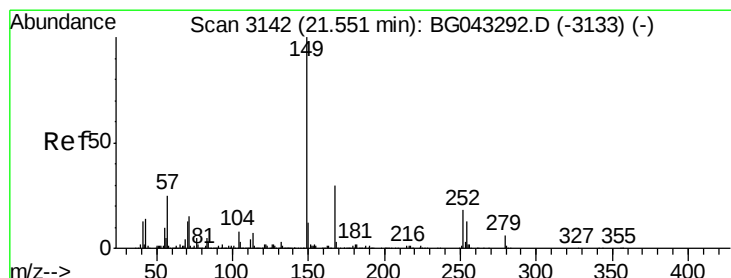
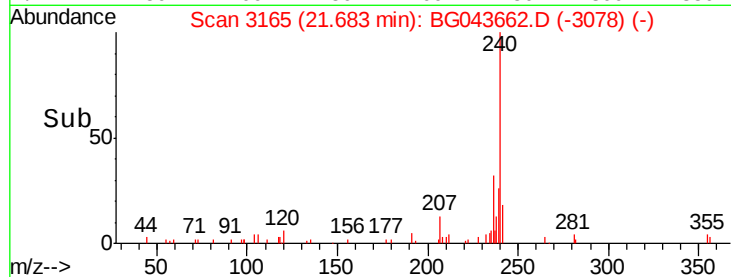
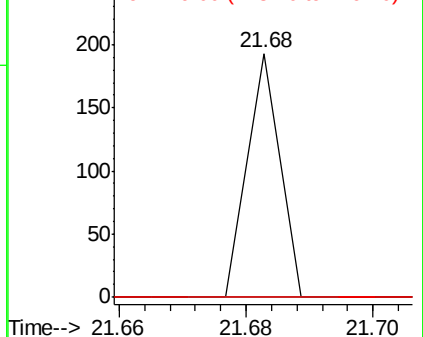


Abundance

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



#84

Bis(2-ethylhexyl)phthalate

Concen: 0.055 ng

RT: 21.52 min Scan# 3138

Delta R.T. -0.01 min

Lab File: BG043662.D

Acq: 15 Nov 2019 22:29

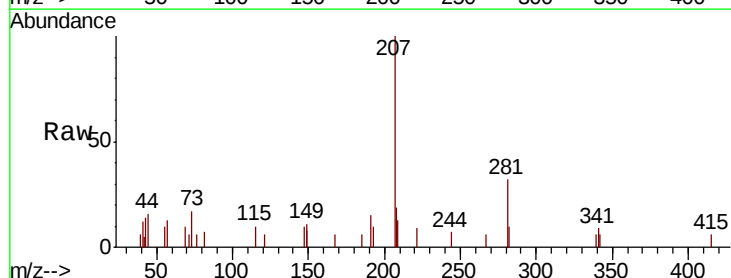
Tgt Ion:149 Resp: 366

Ion Ratio Lower Upper

149 100

167 29.3 24.0 36.0

279 0.0 5.4 8.2#

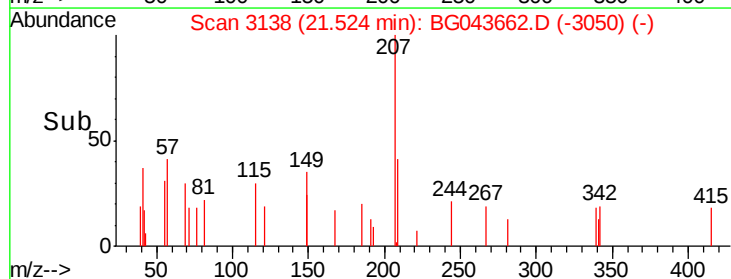
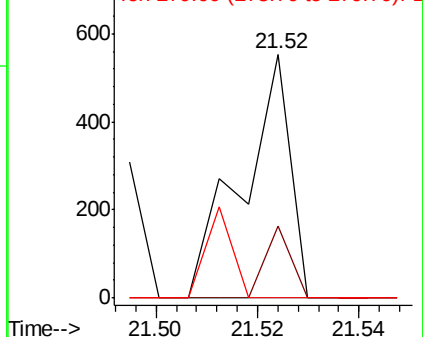


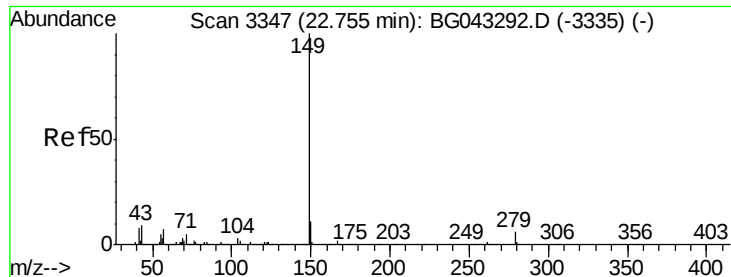
Abundance

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: 0.005 ng

RT: 22.73 min Scan# 3343

Delta R.T. -0.01 min

Lab File: BG043662.D

Acq: 15 Nov 2019 22:29

Instrument :

BNA_G

ClientSampleId :

HD-02-111319

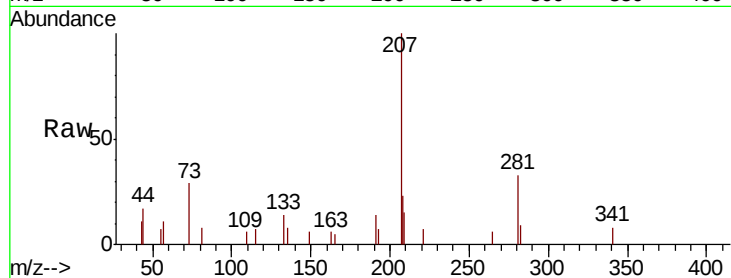
Tot Ion:149 Resp: 56

Ion Ratio Lower Upper

149 100

167 0.0 1.4 2.2#

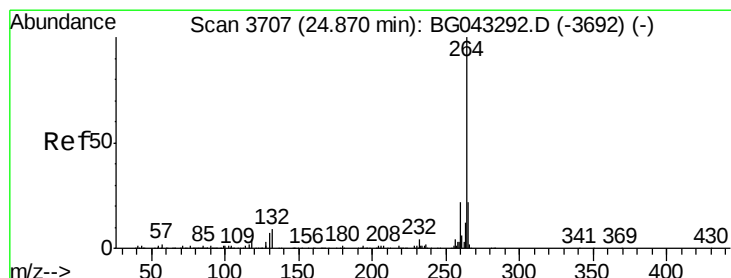
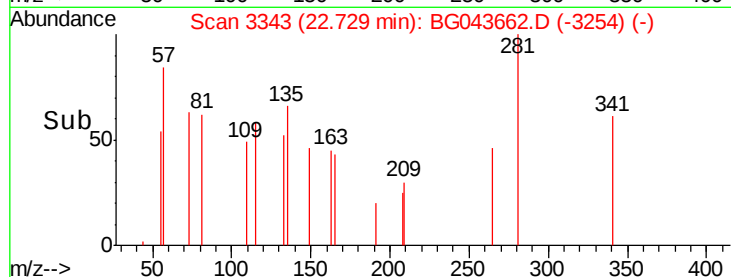
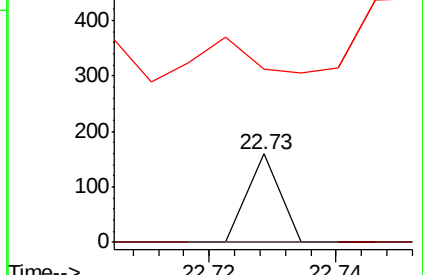
43 0.0 7.0 10.6#



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.81 min Scan# 3698

Delta R.T. -0.04 min

Lab File: BG043662.D

Acq: 15 Nov 2019 22:29

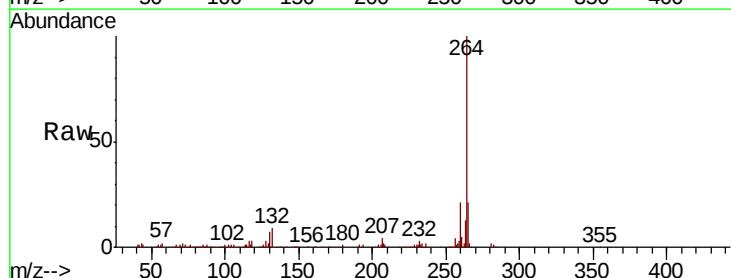
Tgt Ion:264 Resp: 226365

Ion Ratio Lower Upper

264 100

260 21.5 17.5 26.3

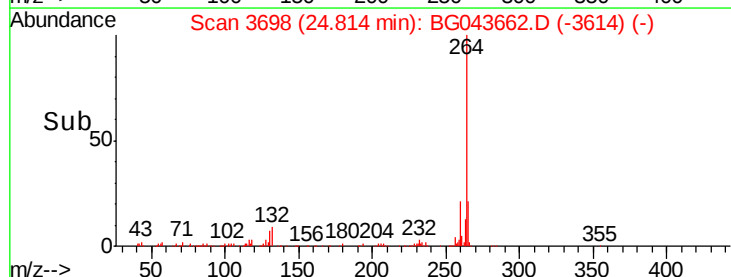
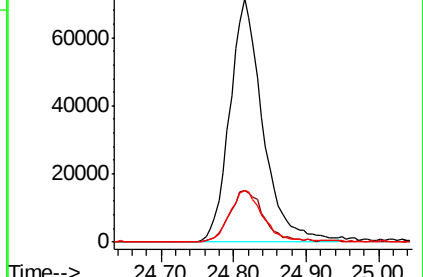
265 21.3 17.4 26.0

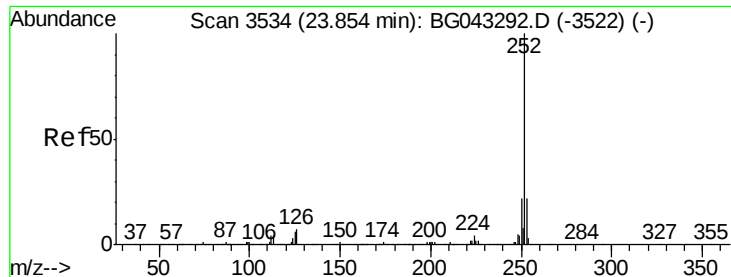


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 0.004 ng

RT: 23.82 min Scan# 3528

Delta R.T. -0.03 min

Lab File: BG043662.D

Acq: 15 Nov 2019 22:29

Instrument :

BNA_G

ClientSampleId :

HD-02-111319

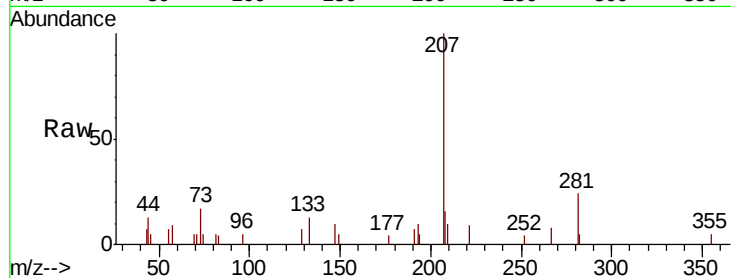
Tot Ion:252 Resp: 54

Ion Ratio Lower Upper

252 100

253 0.0 17.7 26.5#

125 0.0 4.5 6.7#

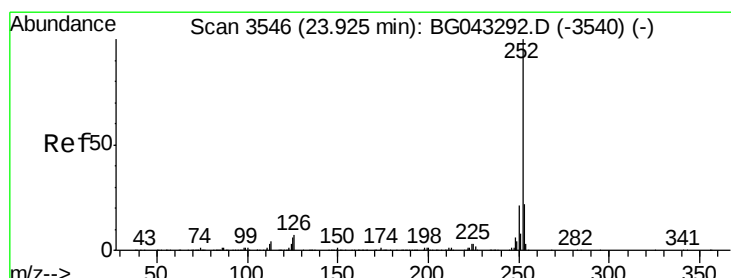
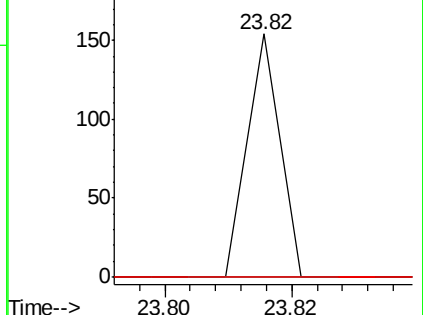
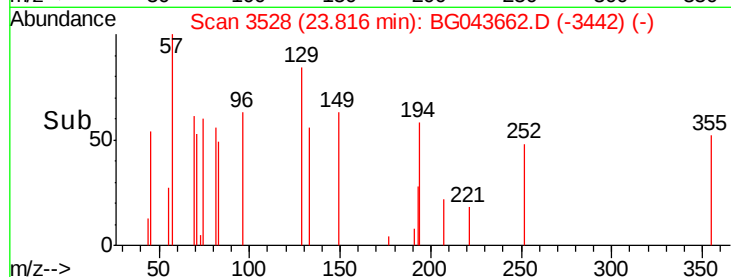


Abundance

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: 23.82 min Scan# 3528

Delta R.T. -0.09 min

Lab File: BG043662.D

Acq: 15 Nov 2019 22:29

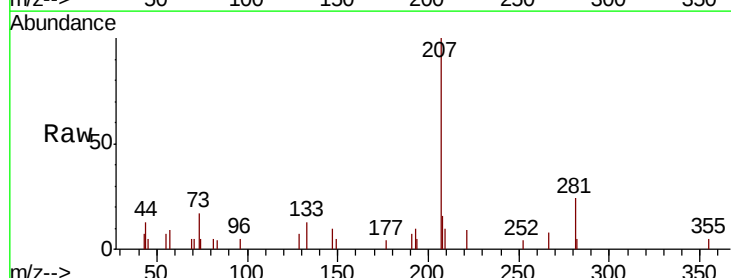
Tgt Ion:252 Resp: 54

Ion Ratio Lower Upper

252 100

253 0.0 17.3 25.9#

125 0.0 4.6 6.8#

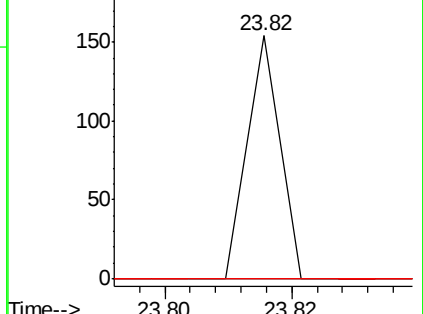
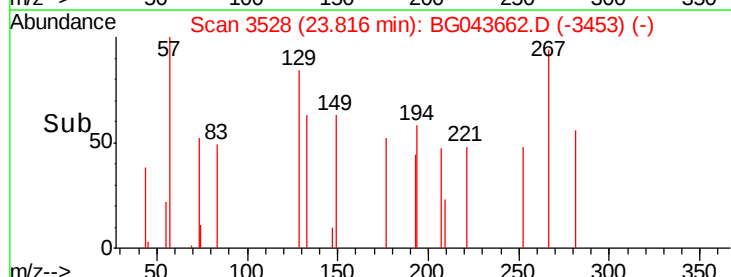


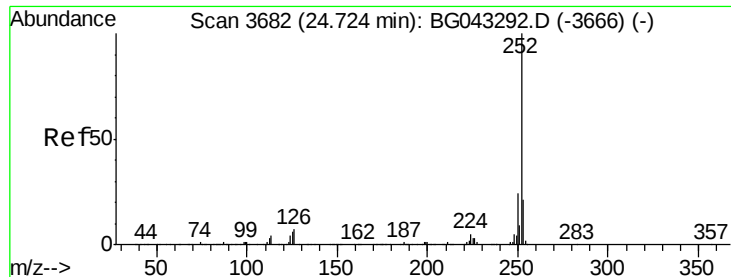
Abundance

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: 0.010 ng

RT: 24.67 min Scan# 3673

Delta R.T. -0.03 min

Lab File: BG043662.D

Acq: 15 Nov 2019 22:29

Instrument :

BNA_G

ClientSampleId :

HD-02-111319

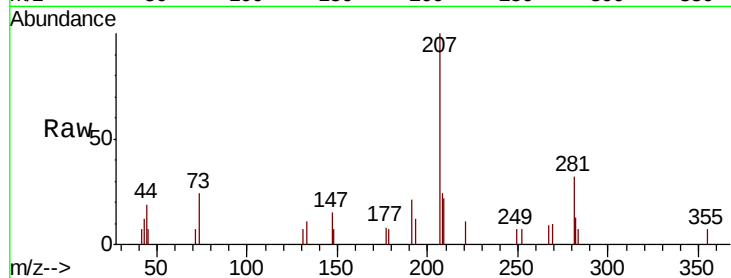
Tot Ion:252 Resp: 118

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

