

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100519\
 Data File : BG043062.D
 Acq On : 5 Oct 2019 19:21
 Operator : JU
 Sample : K5140-04MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HR-05-100219MSD

Quant Time: Oct 06 23:55:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 25 15:35:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	65650	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	244635	20.00	ng	-0.02
39) Acenaphthene-d10	14.68	164	172562	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	395888	20.00	ng	-0.02
76) Chrysene-d12	21.69	240	430453	20.00	ng	-0.02
87) Perylene-d12	24.91	264	500230	20.00	ng	-0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	433363	117.80	ng	-0.01
7) Phenol-d6	7.24	99	631304	119.17	ng	0.00
23) Nitrobenzene-d5	9.22	82	372295	73.97	ng	-0.01
42) 2,4,6-Tribromophenol	16.17	330	368166	124.07	ng	-0.01
45) 2-Fluorobiphenyl	13.31	172	907761	76.26	ng	-0.02
79) Terphenyl-d14	20.03	244	1753545	86.81	ng	-0.02

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.55	88	44611	29.086	ng	# 52
3) Pyridine	3.97	79	32543	7.544	ng	93
4) n-Nitrosodimethylamine	3.85	42	71509	34.471	ng	# 96
6) Aniline	7.40	93	68846	10.766	ng	99
8) 2-Chlorophenol	7.63	128	161393	42.069	ng	98
9) Benzaldehyde	7.20	77	103254	31.897	ng	88
10) Phenol	7.26	94	231765	47.686	ng	95
11) bis(2-Chloroethyl)ether	7.48	93	142069	37.779	ng	95
12) 1,3-Dichlorobenzene	7.95	146	170041	34.745	ng	97
13) 1,4-Dichlorobenzene	8.10	146	176126	36.101	ng	97
14) 1,2-Dichlorobenzene	8.42	146	164773	35.475	ng	94
15) Benzyl Alcohol	8.30	79	154846	38.879	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.58	45	208551	28.877	ng	95
17) 2-Methylphenol	8.51	107	140707	41.375	ng	96
18) Hexachloroethane	9.15	117	63547	34.586	ng	96
19) n-Nitroso-di-n-propylamine	8.87	70	122146	35.115	ng	96
20) 3+4-Methylphenols	8.84	107	194487	41.731	ng	95
22) Acetophenone	8.88	105	240864	38.197	ng	92
24) Nitrobenzene	9.27	77	187106	38.974	ng	97
25) Isophorone	9.78	82	349366	39.517	ng	98
26) 2-Nitrophenol	9.98	139	90995	44.525	ng	98
27) 2,4-Dimethylphenol	10.04	122	153820	49.010	ng	99
28) bis(2-Chloroethoxy)methane	10.26	93	189626	37.804	ng	96
29) 2,4-Dichlorophenol	10.52	162	175452	44.948	ng	98
30) 1,2,4-Trichlorobenzene	10.72	180	191223	37.935	ng	96
31) Naphthalene	10.92	128	481580	39.990	ng	99
32) Benzoic acid	10.18	122	101222	42.492	ng	89
33) 4-Chloroaniline	11.03	127	16319	3.123	ng	95
34) Hexachlorobutadiene	11.20	225	133389	35.341	ng	95
35) Caprolactam	11.80	113	39206	28.482	ng	# 74
36) 4-Chloro-3-methylphenol	12.15	107	192288	45.307	ng	94
37) 2-Methylnaphthalene	12.51	142	363223	39.537	ng	96
38) 1-Methylnaphthalene	12.73	142	347008	39.918	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.88	216	237497	36.604	ng	99

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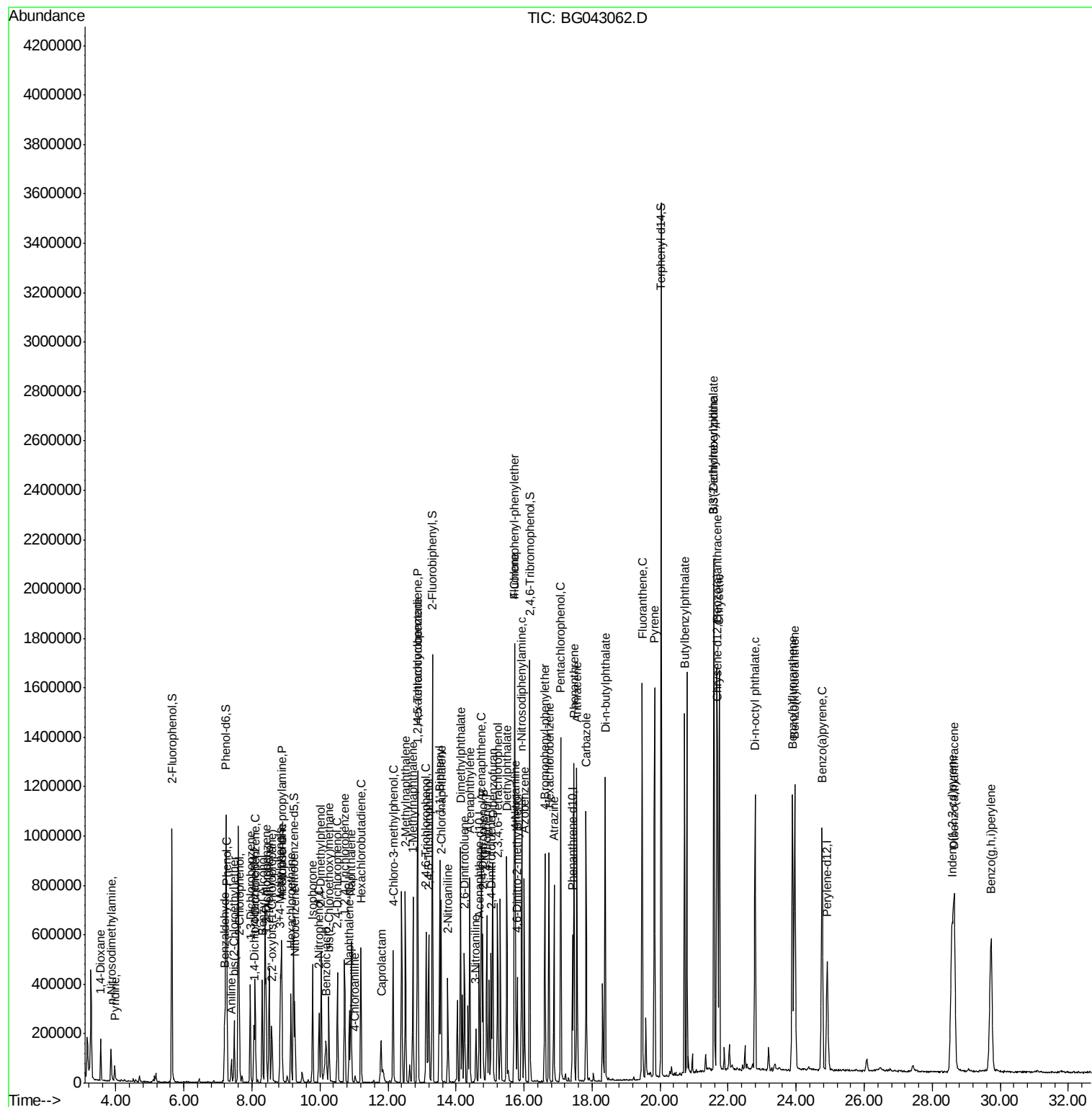
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.86	237	306685	74.186	ng	94
43) 2,4,6-Trichlorophenol	13.12	196	167424	44.087	ng	97
44) 2,4,5-Trichlorophenol	13.20	196	177855	45.463	ng	97
46) 1,1'-Biphenyl	13.52	154	490715	37.499	ng	97
47) 2-Chloronaphthalene	13.56	162	385674	39.309	ng	99
48) 2-Nitroaniline	13.76	65	127153	38.972	ng	93
49) Acenaphthylene	14.41	152	618517	41.199	ng	100
50) Dimethylphthalate	14.14	163	615285	47.588	ng	99
51) 2,6-Dinitrotoluene	14.25	165	121328	44.065	ng	92
52) Acenaphthene	14.75	154	377556	37.572	ng	99
53) 3-Nitroaniline	14.58	138	59122	20.777	ng	# 92
54) 2,4-Dinitrophenol	14.79	184	148712	86.891	ng	92
55) Dibenzofuran	15.08	168	607624	40.876	ng	97
56) 4-Nitrophenol	14.90	139	186557	86.046	ng	96
57) 2,4-Dinitrotoluene	15.04	165	168339	41.750	ng	97
58) Fluorene	15.73	166	510139	40.197	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.23	232	171247	41.112	ng	92
60) Diethylphthalate	15.49	149	516888	39.282	ng	99
61) 4-Chlorophenyl-phenylether	15.72	204	292845	38.475	ng	97
62) 4-Nitroaniline	15.75	138	118111	38.059	ng	98
63) Azobenzene	16.01	77	453508	37.856	ng	98
65) 4,6-Dinitro-2-methylphenol	15.80	198	109760	48.996	ng	87
66) n-Nitrosodiphenylamine	15.93	169	466038	44.593	ng	99
67) 4-Bromophenyl-phenylether	16.61	248	206242	41.508	ng	99
68) Hexachlorobenzene	16.73	284	228127	41.235	ng	98
69) Atrazine	16.88	200	171478	38.965	ng	97
70) Pentachlorophenol	17.08	266	298310	93.446	ng	97
71) Phenanthrene	17.47	178	816937	42.268	ng	98
72) Anthracene	17.56	178	841300	43.602	ng	99
73) Carbazole	17.83	167	773415	43.226	ng	100
74) Di-n-butylphthalate	18.38	149	877509	41.105	ng	99
75) Fluoranthene	19.47	202	1069326	41.829	ng	99
78) Pyrene	19.84	202	1087741	42.338	ng	99
80) Butylbenzylphthalate	20.72	149	415974	42.655	ng	96
81) Benzo(a)anthracene	21.67	228	1119462	41.738	ng	99
82) 3,3'-Dichlorobenzidine	21.59	252	324302	30.828	ng	99
83) Chrysene	21.74	228	1087924	41.798	ng	99
84) Bis(2-ethylhexyl)phthalate	21.58	149	597324	43.045	ng	98
85) Di-n-octyl phthalate	22.79	149	1010706	44.542	ng	96
86) Indeno(1,2,3-cd)pyrene	28.58	276	1433238	44.232	ng	99
88) Benzo(b)fluoranthene	23.89	252	1202388	42.481	ng	99
89) Benzo(k)fluoranthene	23.96	252	1187813	42.421	ng	100
90) Benzo(a)pyrene	24.76	252	1183552	44.321	ng	100
91) Dibenzo(a,h)anthracene	28.65	278	1220186	44.560	ng	99
92) Benzo(g,h,i)perylene	29.73	276	1190367	44.866	ng	97

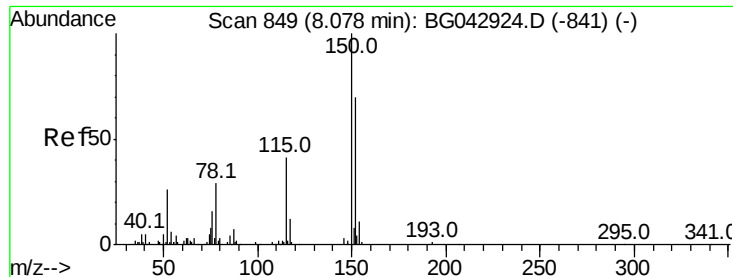
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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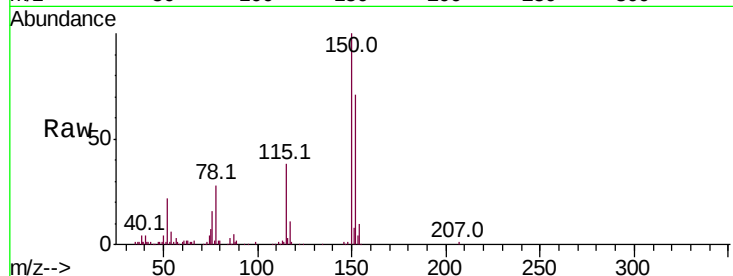


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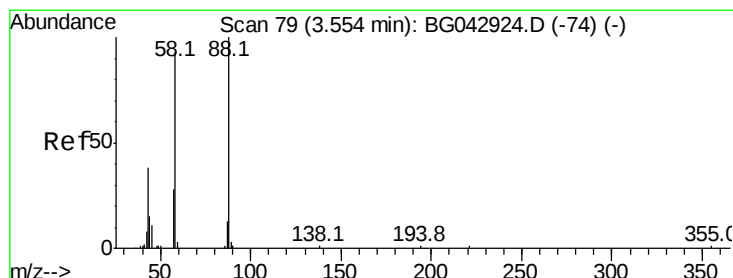
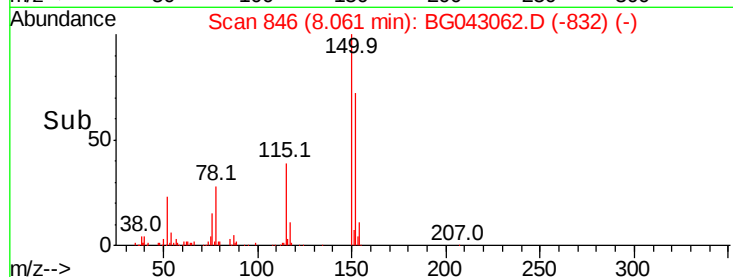
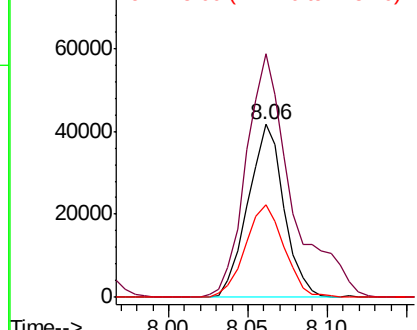
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.02 min
Lab File: BG043062.D
Acq: 5 Oct 2019 19:21

Instrument :
BNA_G
ClientSampleId :
HR-05-100219MSD

Tot Ion:152 Resp: 65650
Ion Ratio Lower Upper
152 100
150 140.9 115.0 172.4
115 53.8 47.0 70.6



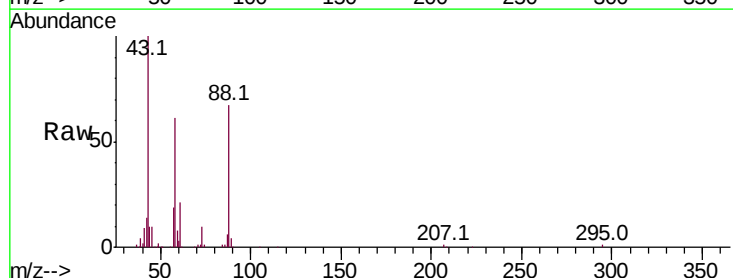
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



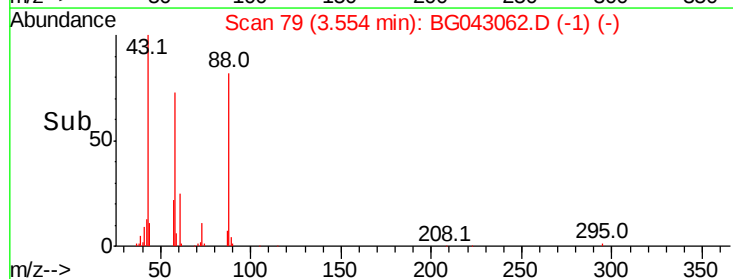
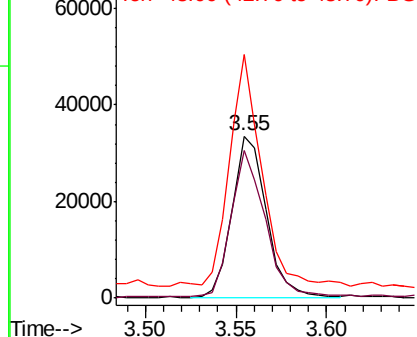
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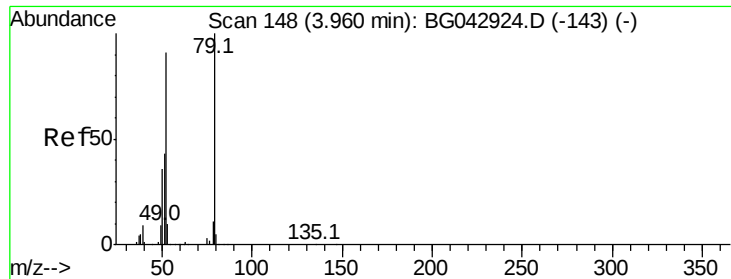
1,4-Dioxane
Concen: 29.086 ng
RT: 3.55 min Scan# 79
Delta R.T. 0.00 min
Lab File: BG043062.D
Acq: 5 Oct 2019 19:21

Tgt Ion: 88 Resp: 44611
Ion Ratio Lower Upper
88 100
58 89.9 74.3 111.5
43 133.0 29.8 44.8#



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

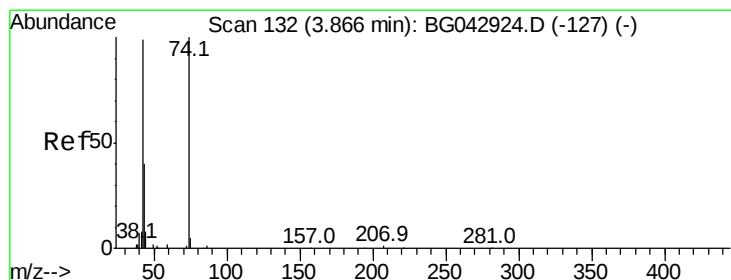
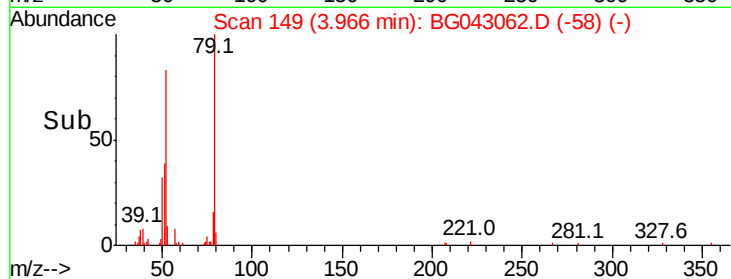
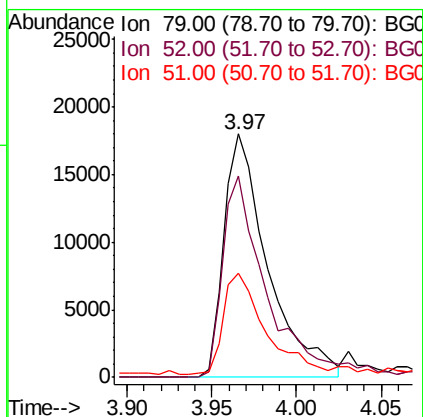
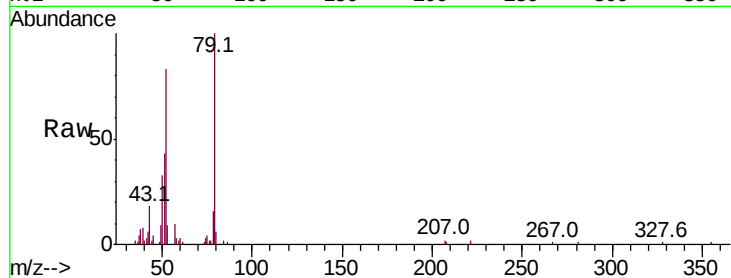




#3
 Pvridine
 Concen: 7.544 ng
 RT: 3.97 min Scan# 149
 Delta R.T. 0.01 min
 Lab File: BG043062.D
 Acq: 5 Oct 2019 19:21

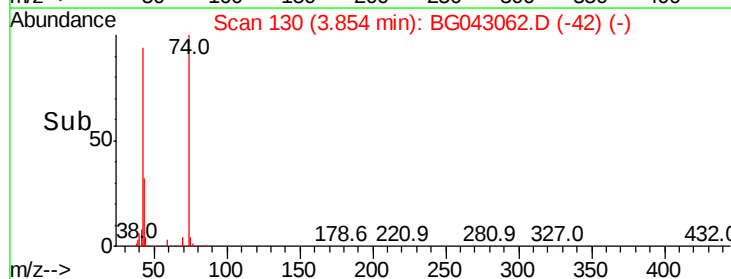
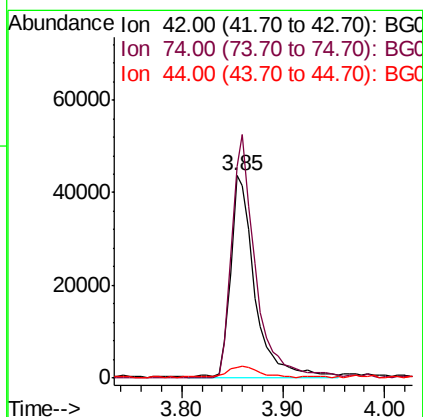
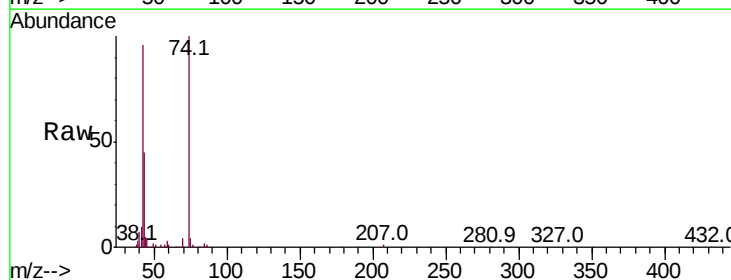
Instrument :
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 ClientSampleId :
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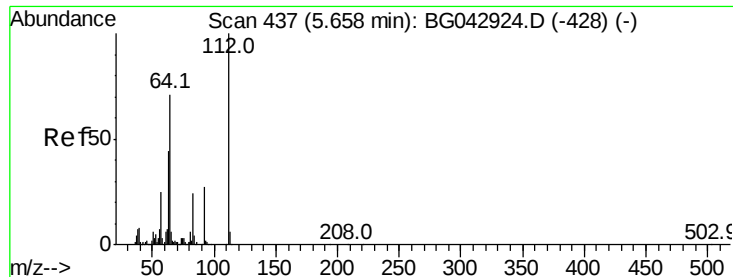
Tot Ion: 79 Resp: 32543
 Ion Ratio Lower Upper
 79 100
 52 82.7 73.0 109.4
 51 42.6 35.1 52.7



#4
 n-Nitrosodimethylamine
 Concen: 34.471 ng
 RT: 3.85 min Scan# 130
 Delta R.T. -0.01 min
 Lab File: BG043062.D
 Acq: 5 Oct 2019 19:21

Tgt Ion: 42 Resp: 71509
 Ion Ratio Lower Upper
 42 100
 74 104.7 80.5 120.7
 44 5.5 6.9 10.3#





#5

2-Fluorophenol

Concen: 117.805 ng

RT: 5.65 min Scan# 435

Delta R.T. -0.01 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

Instrument :

BNA_G

ClientSampleId :

HR-05-100219MSD

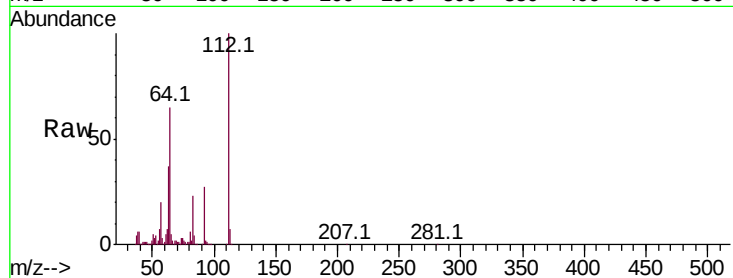
Tot Ion:112 Resp: 433363

Ion Ratio Lower Upper

112 100

64 64.5 56.6 84.8

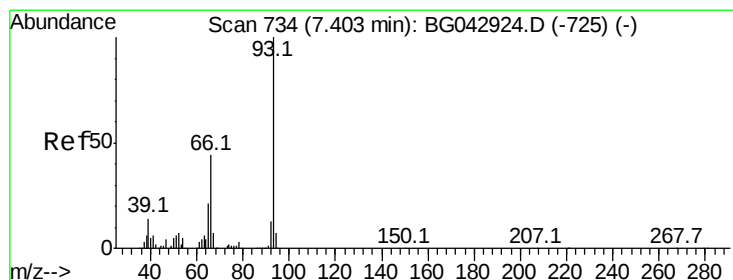
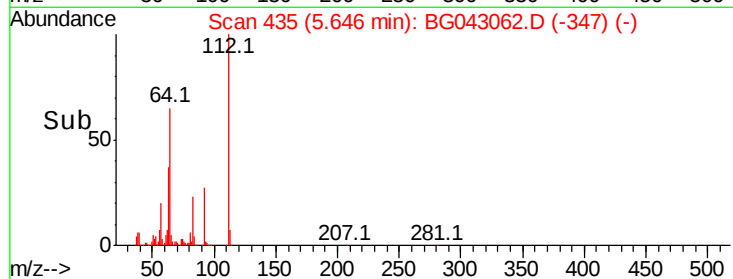
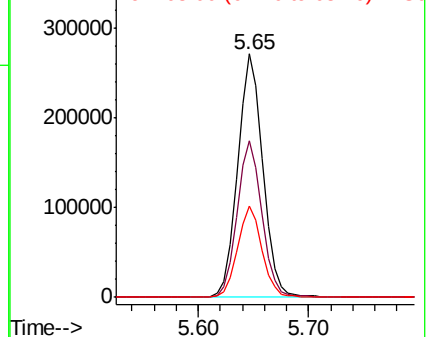
63 37.4 35.1 52.7



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: 10.766 ng

RT: 7.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

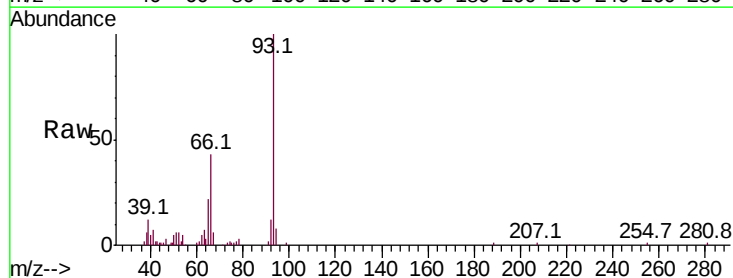
Tgt Ion: 93 Resp: 68846

Ion Ratio Lower Upper

93 100

66 43.0 35.0 52.6

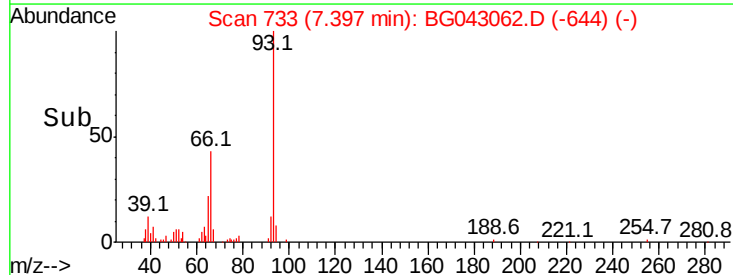
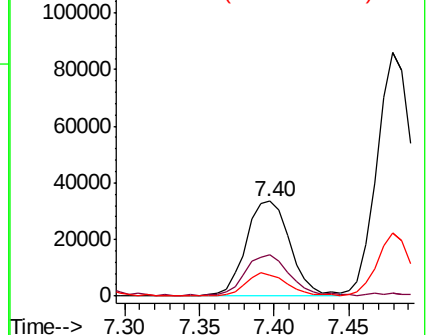
65 22.4 17.4 26.0

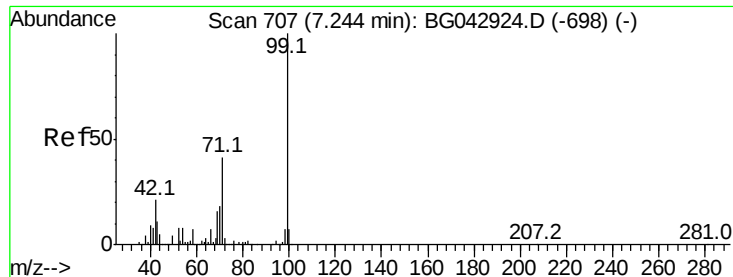


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 119.171 ng

RT: 7.24 min Scan# 706

Delta R.T. -0.01 min

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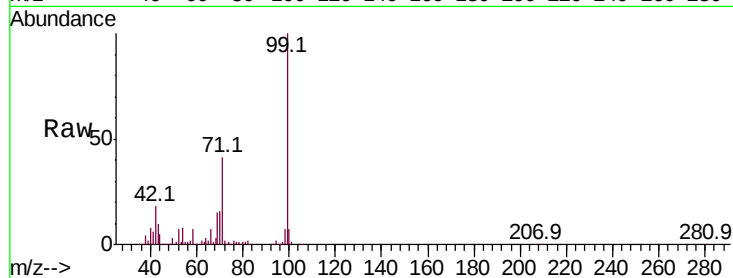
Tot Ion: 99 Resp: 631304

Ion Ratio Lower Upper

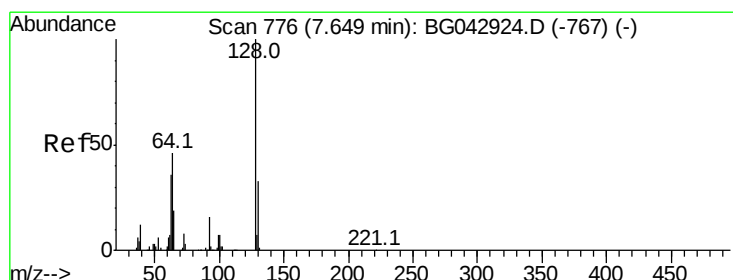
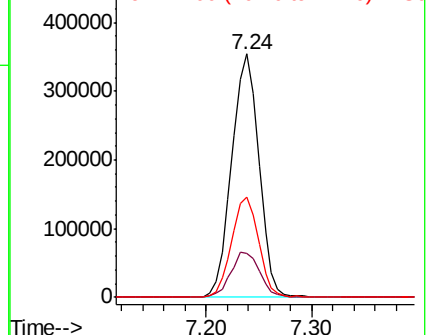
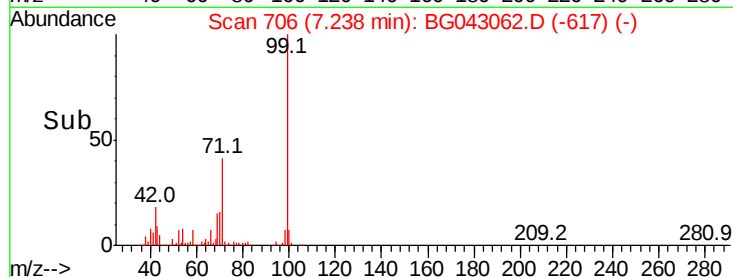
99 100

42 18.3 17.2 25.8

71 41.0 33.1 49.7



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: 42.069 ng

RT: 7.63 min Scan# 773

Delta R.T. -0.02 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

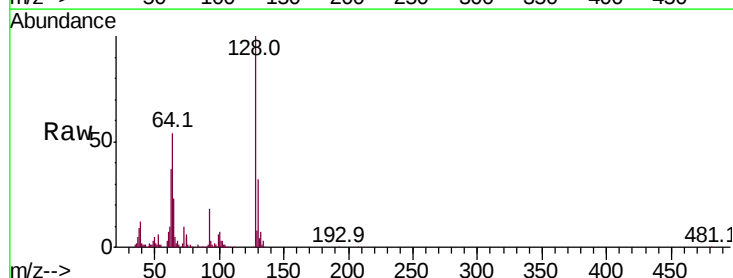
Tgt Ion: 128 Resp: 161393

Ion Ratio Lower Upper

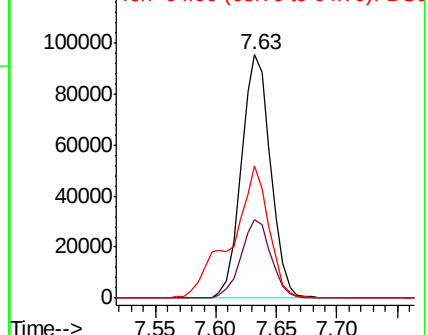
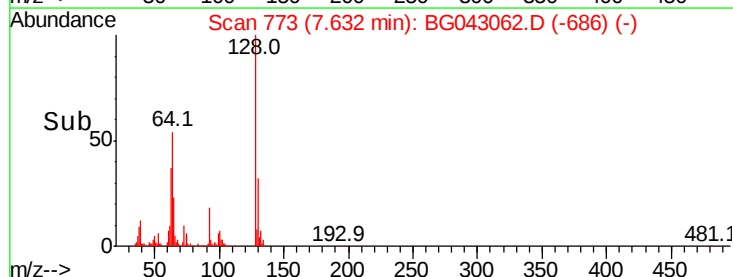
128 100

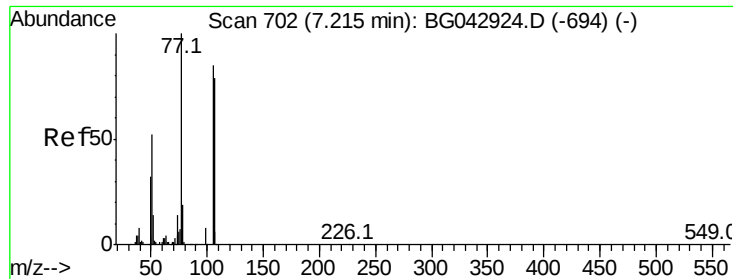
130 32.2 12.5 52.5

64 54.4 32.8 72.8



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 31.897 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.02 min

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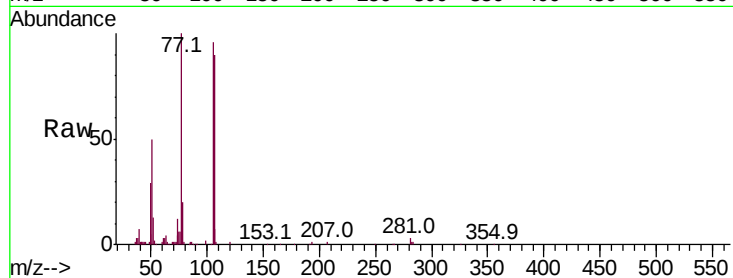
Tot Ion: 77 Resp: 103254

Ion Ratio Lower Upper

77 100

105 96.0 64.6 104.6

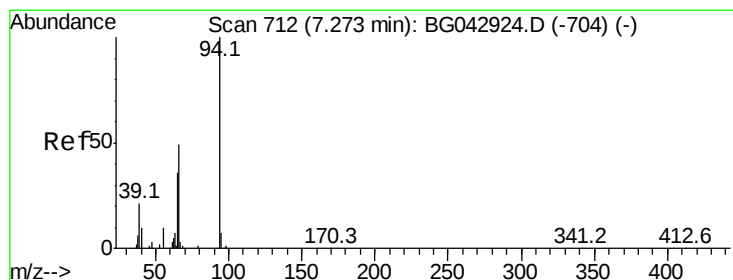
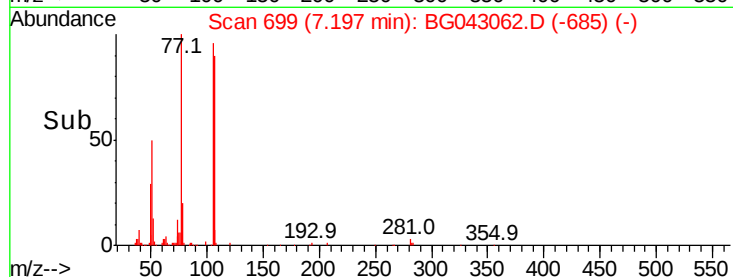
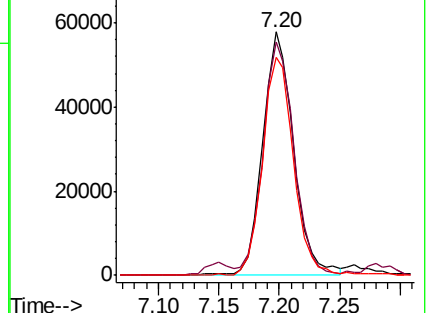
106 89.6 59.4 99.4



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 47.686 ng

RT: 7.26 min Scan# 710

Delta R.T. -0.01 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

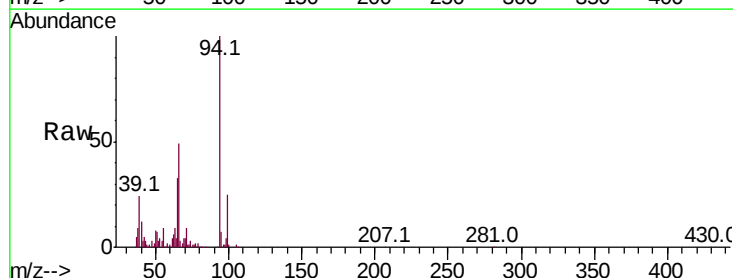
Tgt Ion: 94 Resp: 231765

Ion Ratio Lower Upper

94 100

65 33.3 16.6 56.6

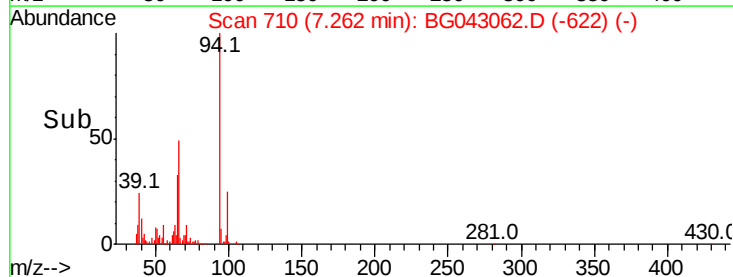
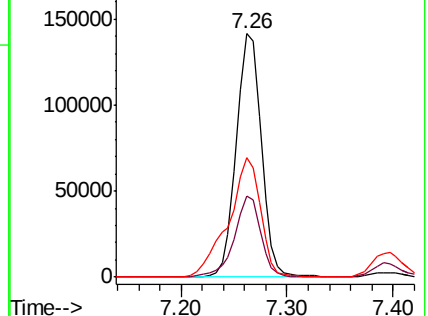
66 49.1 32.4 72.4

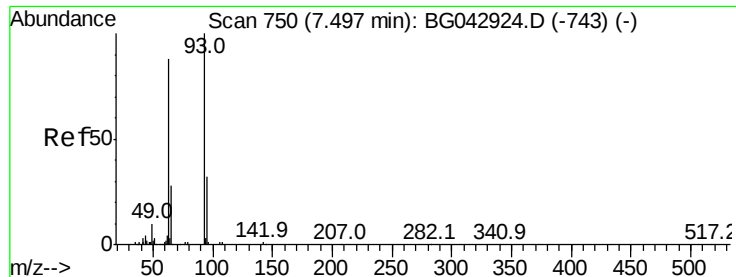


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#11

bis(2-Chloroethyl)ether

Concen: 37.779 ng

RT: 7.48 min Scan# 747

Delta R.T. -0.02 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

Instrument :

BNA_G

ClientSampleId :

HR-05-100219MSD

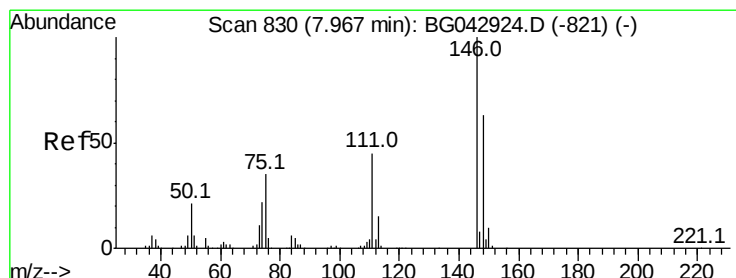
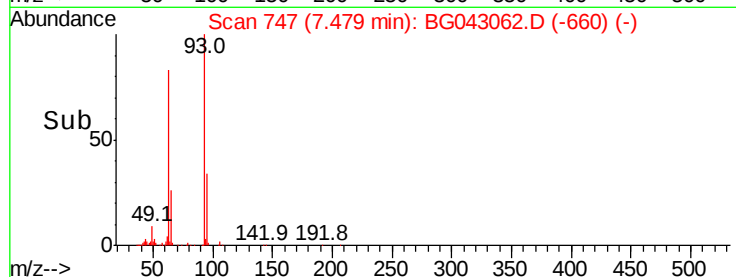
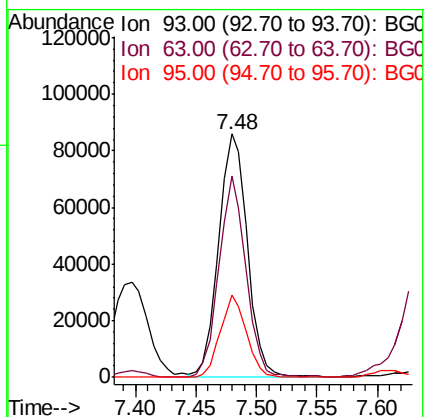
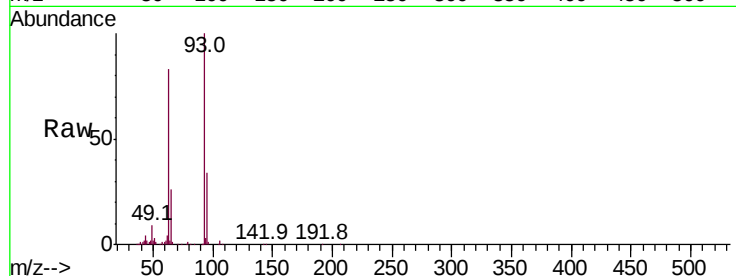
Tot Ion: 93 Resp: 142069

Ion Ratio Lower Upper

93 100

63 82.7 67.4 107.4

95 33.8 11.9 51.9



#12

1,3-Dichlorobenzene

Concen: 34.745 ng

RT: 7.95 min Scan# 827

Delta R.T. -0.02 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

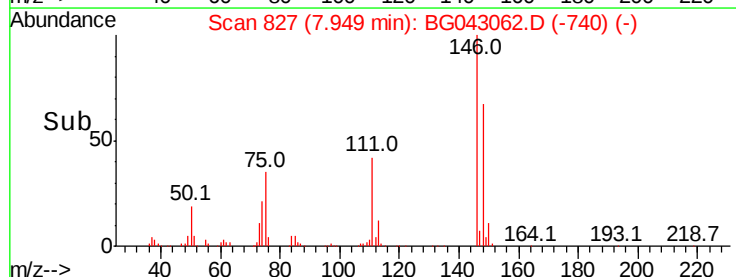
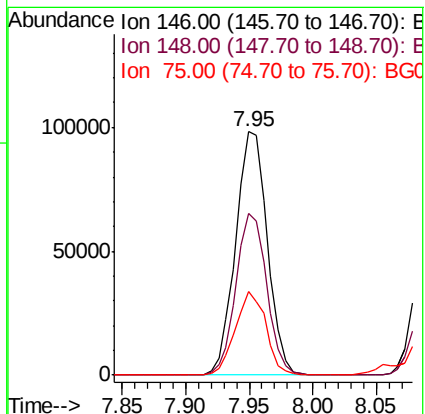
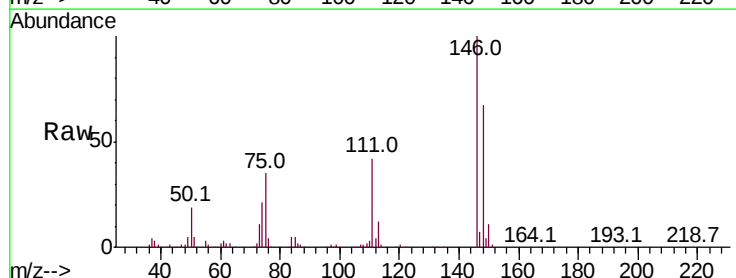
Tgt Ion: 146 Resp: 170041

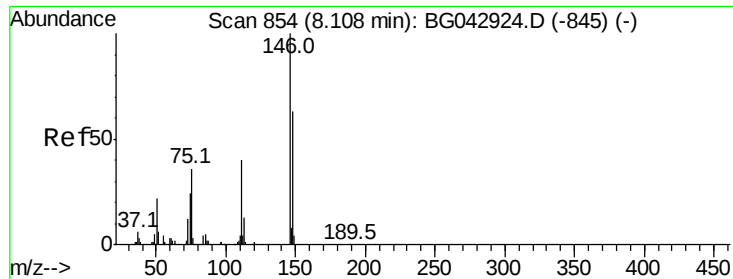
Ion Ratio Lower Upper

146 100

148 66.6 50.7 76.1

75 34.6 27.7 41.5

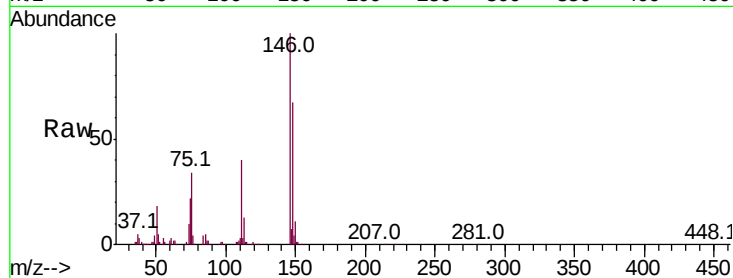




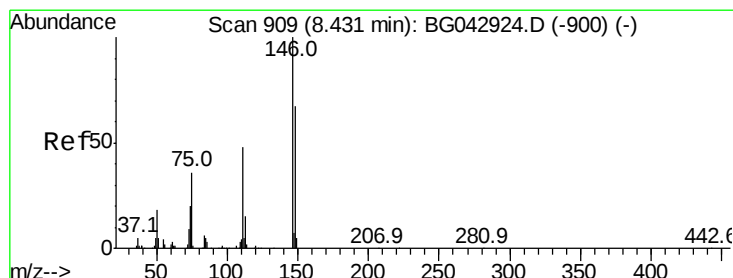
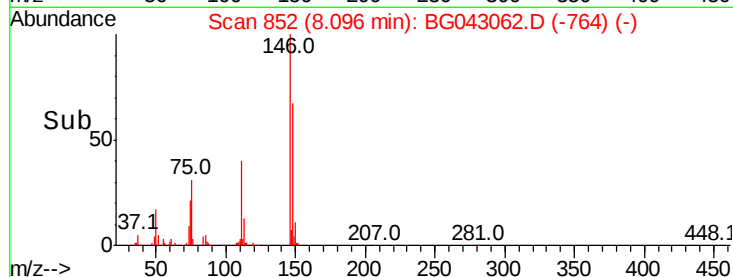
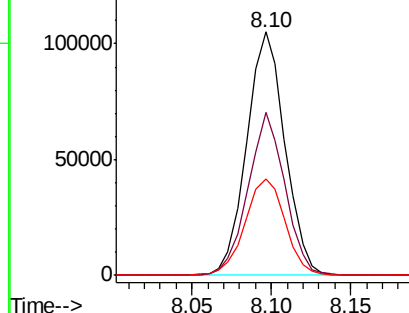
#13
1,4-Dichlorobenzene
Concen: 36.101 ng
RT: 8.10 min Scan# 852
Delta R.T. -0.01 min
Lab File: BG043062.D
Acq: 5 Oct 2019 19:21

Instrument :
BNA_G
ClientSampleId :
HR-05-100219MSD

Tot Ion:146 Resp: 176126
Ion Ratio Lower Upper
146 100
148 67.1 50.9 76.3
111 39.8 31.8 47.8

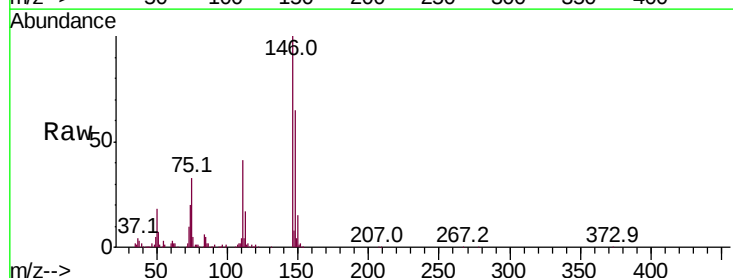


Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E

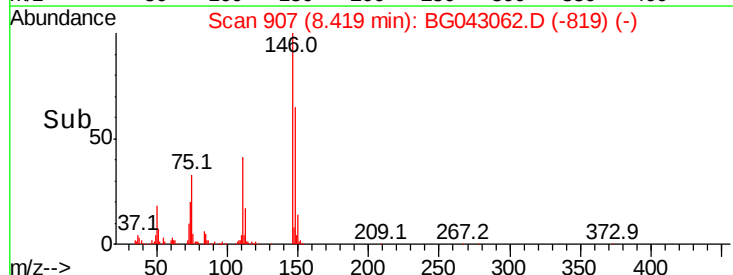
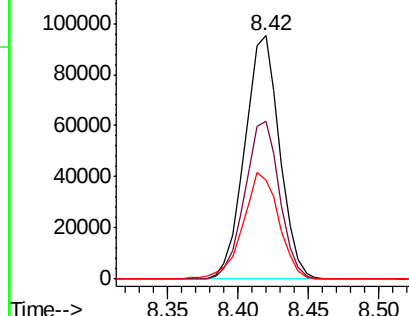


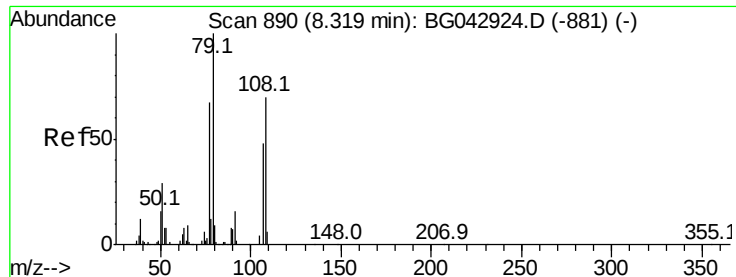
#14
1,2-Dichlorobenzene
Concen: 35.475 ng
RT: 8.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BG043062.D
Acq: 5 Oct 2019 19:21

Tgt Ion:146 Resp: 164773
Ion Ratio Lower Upper
146 100
148 64.8 53.4 80.2
111 40.9 38.5 57.7



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: 38.879 ng

RT: 8.30 min Scan# 887

Delta R.T. -0.02 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

Instrument :

BNA_G

ClientSampleId :

HR-05-100219MSD

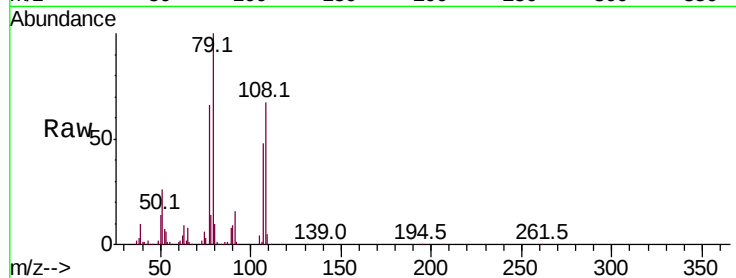
Tot Ion: 79 Resp: 154846

Ion Ratio Lower Upper

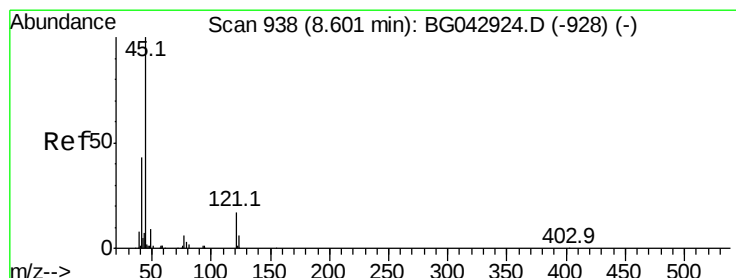
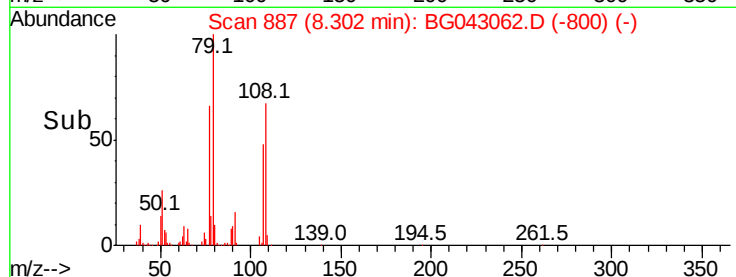
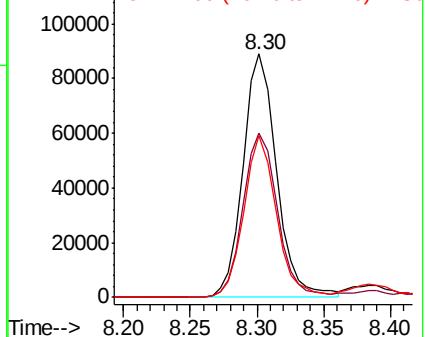
79 100

108 67.4 55.7 83.5

77 66.3 53.3 79.9



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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 28.877 ng

RT: 8.58 min Scan# 935

Delta R.T. -0.02 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

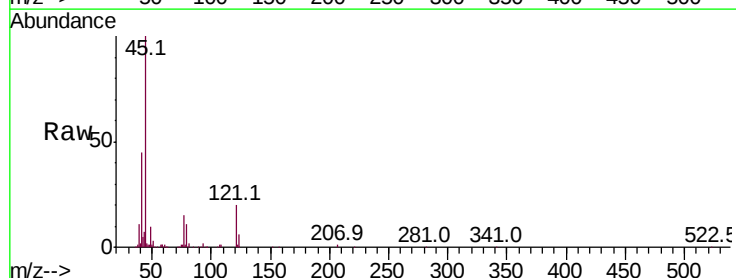
Tgt Ion: 45 Resp: 208551

Ion Ratio Lower Upper

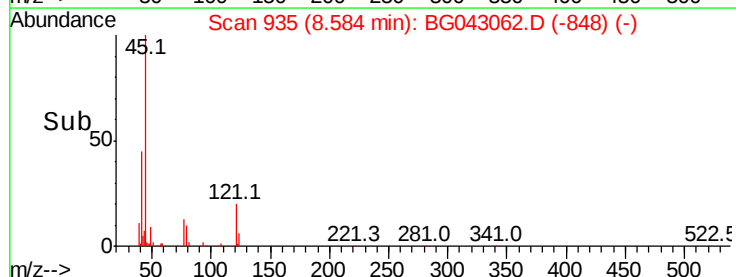
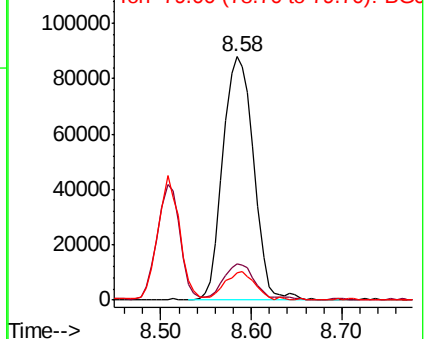
45 100

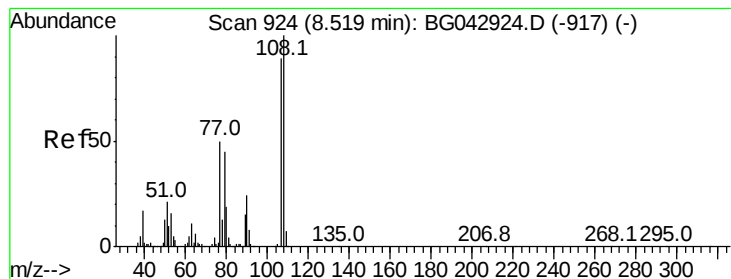
77 14.6 0.0 32.8

79 11.1 0.0 29.4



Abundance Ion 45.00 (44.70 to 45.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC





#17

2-Methylphenol

Concen: 41.375 ng

RT: 8.51 min Scan# 922

Delta R.T. -0.01 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

Instrument :

BNA_G

ClientSampleId :

HR-05-100219MSD

Tot Ion:107 Resp: 140707

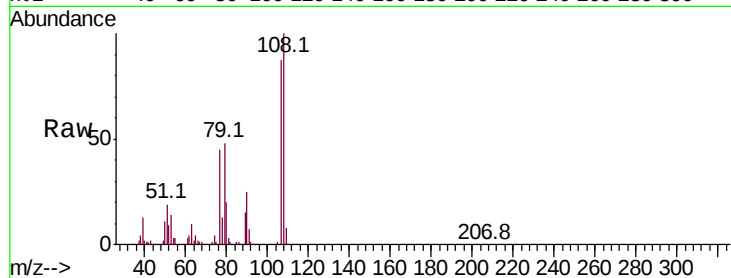
Ion Ratio Lower Upper

107 100

108 114.8 89.9 134.9

77 51.5 45.4 68.2

79 55.4 41.4 62.0

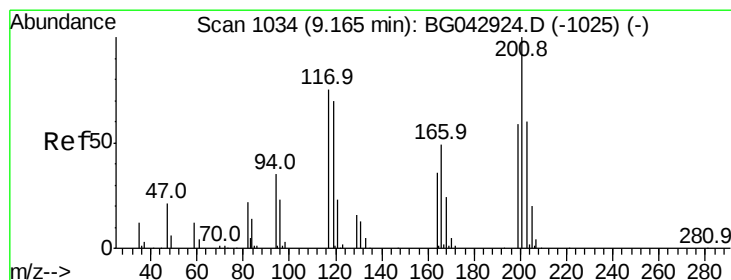
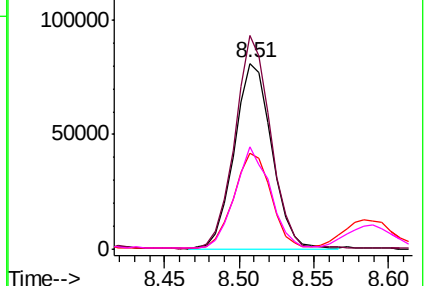
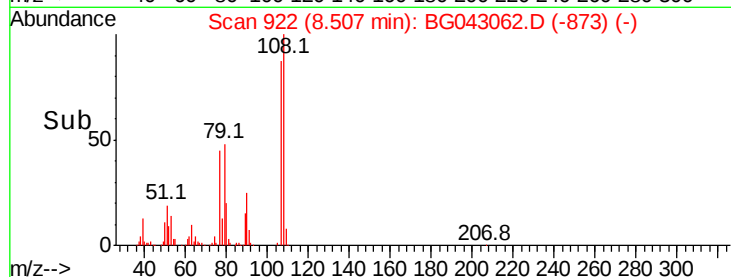


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#18

Hexachloroethane

Concen: 34.586 ng

RT: 9.15 min Scan# 1031

Delta R.T. -0.02 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

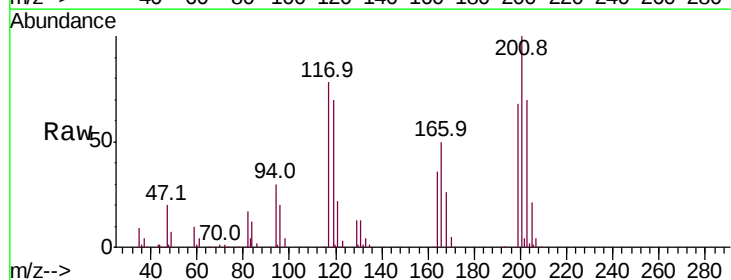
Tgt Ion:117 Resp: 63547

Ion Ratio Lower Upper

117 100

119 89.7 74.6 111.8

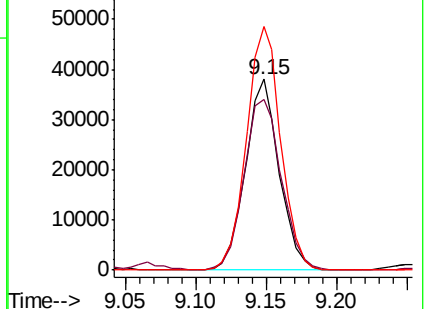
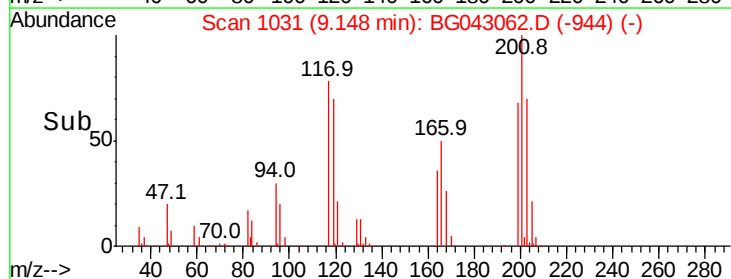
201 127.8 106.0 159.0

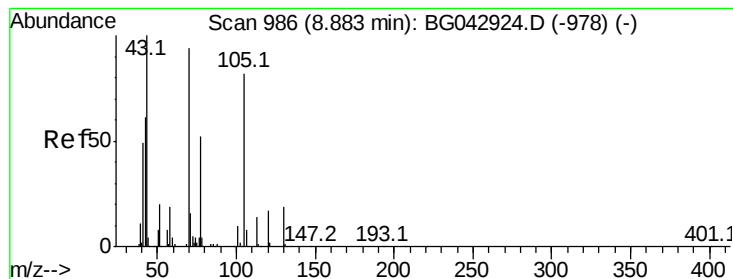


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 35.115 ng

RT: 8.87 min Scan# 983

Delta R.T. -0.02 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

Instrument :

BNA_G

ClientSampleId :

HR-05-100219MSD

Tot Ion: 70 Resp: 122146

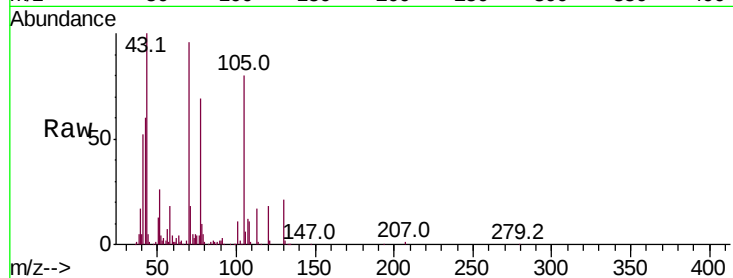
Ion Ratio Lower Upper

70 100

42 61.9 52.6 79.0

101 11.6 8.7 13.1

130 21.8 15.8 23.8

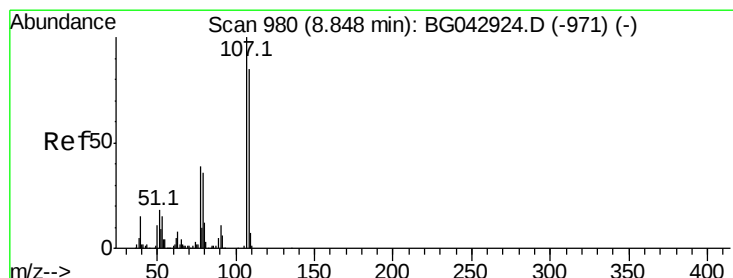
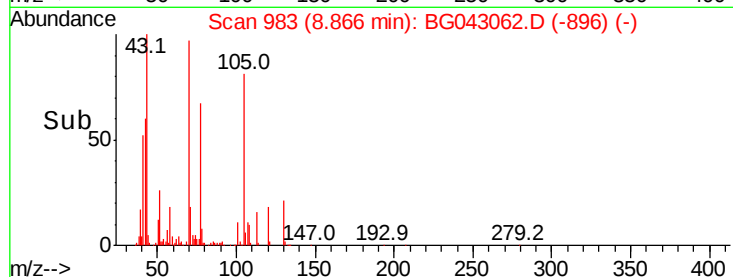
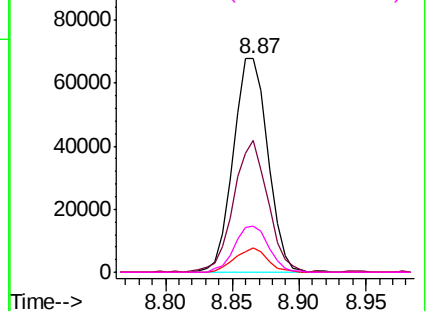


Abundance Ion 70.00 (69.70 to 70.70): BGC

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



#20

3+4-Methylphenols

Concen: 41.731 ng

RT: 8.84 min Scan# 978

Delta R.T. -0.01 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

Tgt Ion: 107 Resp: 194487

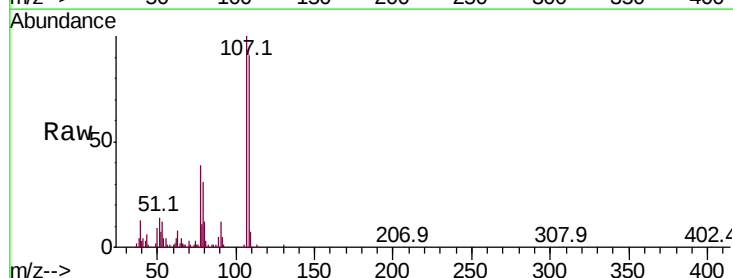
Ion Ratio Lower Upper

107 100

108 90.7 64.9 104.9

77 39.1 19.4 59.4

79 31.2 16.2 56.2

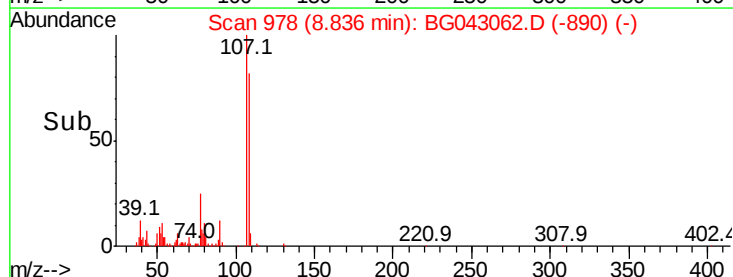
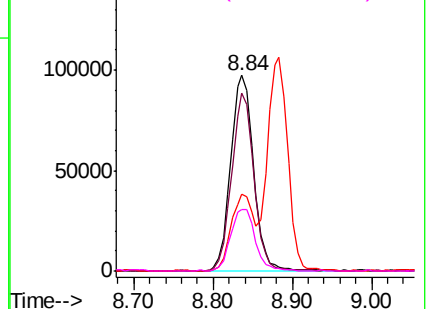


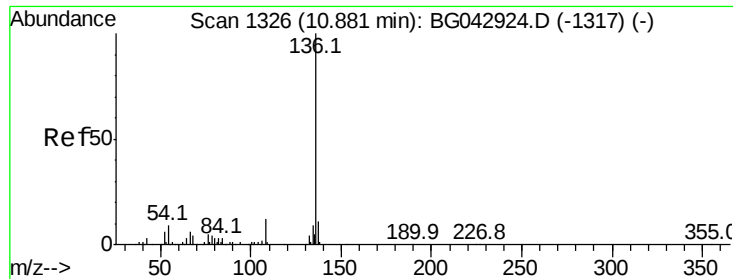
Abundance Ion 107.00 (106.70 to 107.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.86 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

Instrument :

BNA_G

ClientSampleId :

HR-05-100219MSD

Tot Ion:136 Resp: 244635

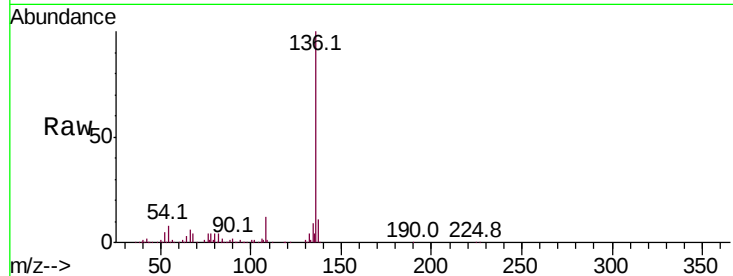
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 8.2 7.4 11.2

68 4.5 3.6 5.4



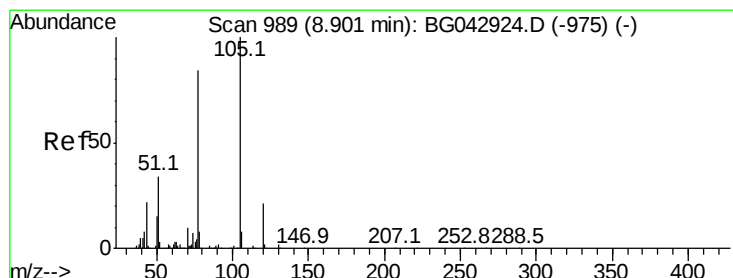
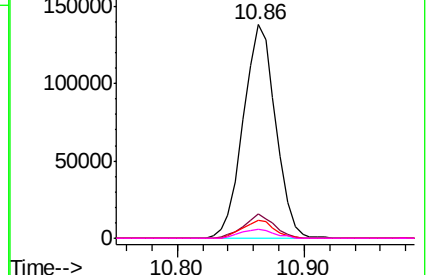
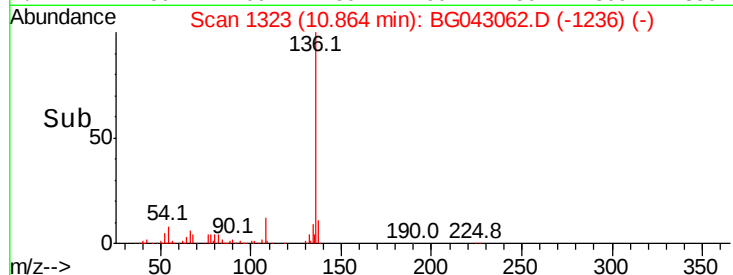
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22

Acetophenone

Concen: 38.197 ng

RT: 8.88 min Scan# 986

Delta R.T. -0.02 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

Tgt Ion:105 Resp: 240864

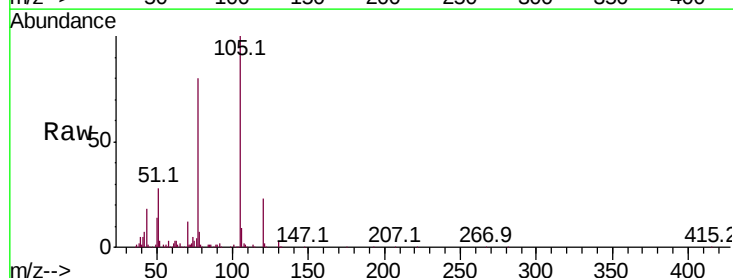
Ion Ratio Lower Upper

105 100

71 1.3 1.2 1.8

51 28.3 27.2 40.8

120 23.1 16.9 25.3



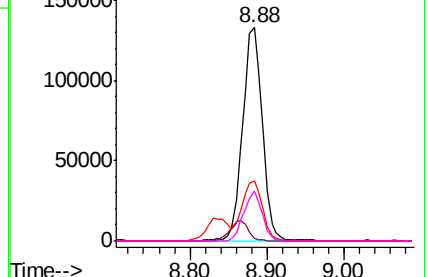
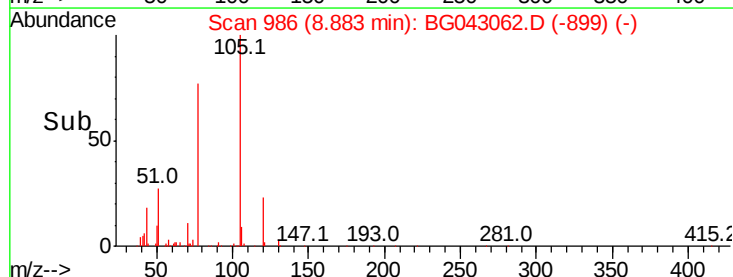
Abundance

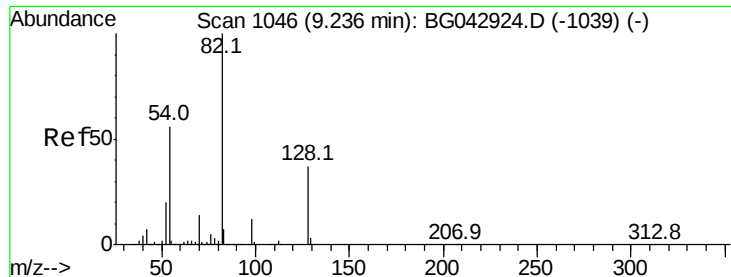
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E

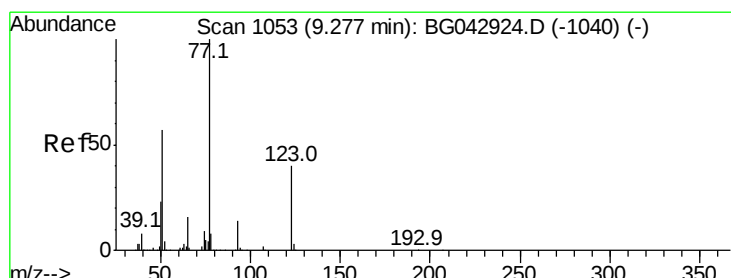
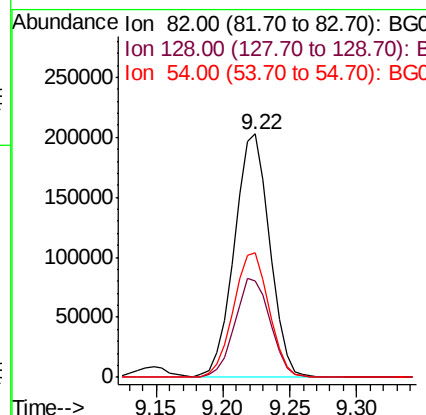
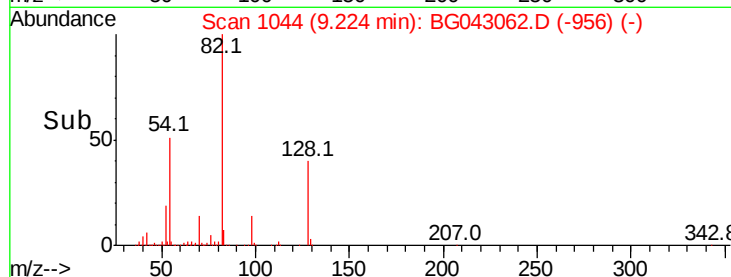
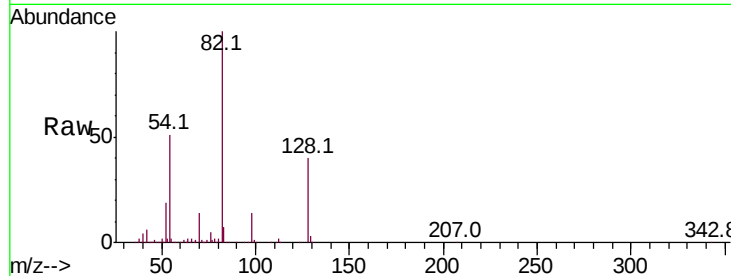




#23
Nitrobenzene-d5
Concen: 73.969 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.01 min
Lab File: BG043062.D
Acq: 5 Oct 2019 19:21

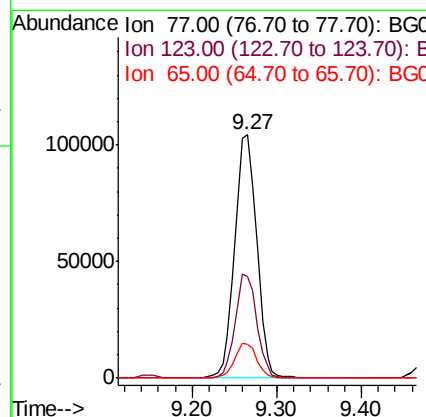
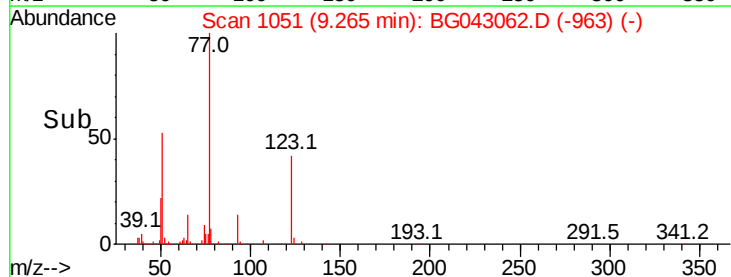
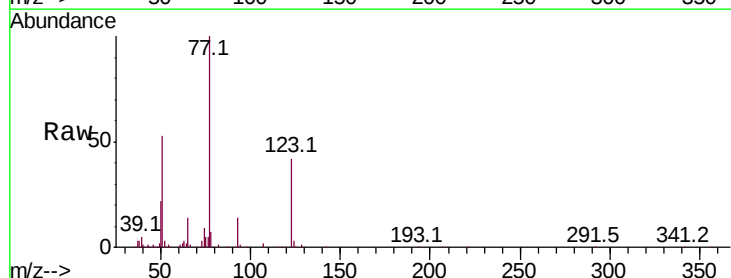
Instrument :
BNA_G
ClientSampleId :
HR-05-100219MSD

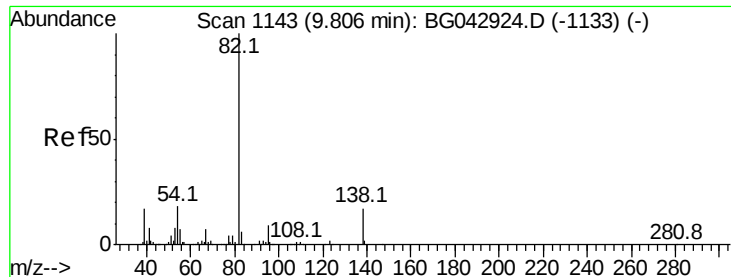
Tot Ion	Ratio	Lower	Upper
82	100		
128	39.7	29.5	44.3
54	51.2	44.6	67.0



#24
Nitrobenzene
Concen: 38.974 ng
RT: 9.27 min Scan# 1051
Delta R.T. -0.01 min
Lab File: BG043062.D
Acq: 5 Oct 2019 19:21

Tgt Ion	Ratio	Lower	Upper
77	100		
123	41.8	31.9	47.9
65	14.0	12.4	18.6





#25

Isophorone

Concen: 39.517 ng

RT: 9.78 min Scan# 1139

Delta R.T. -0.02 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

Instrument :

BNA_G

ClientSampleId :

HR-05-100219MSD

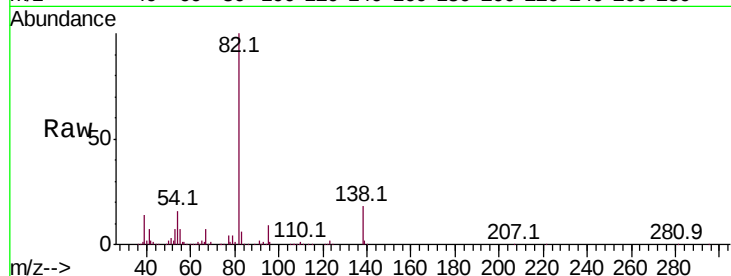
Tot Ion: 82 Resp: 349366

Ion Ratio Lower Upper

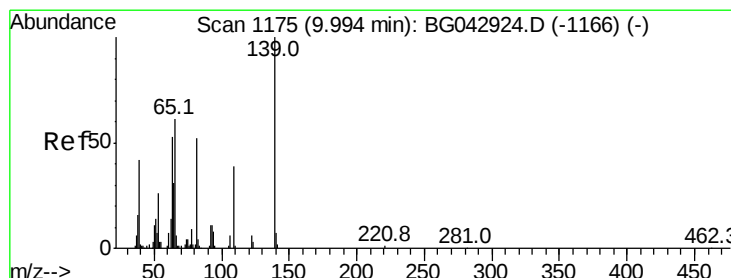
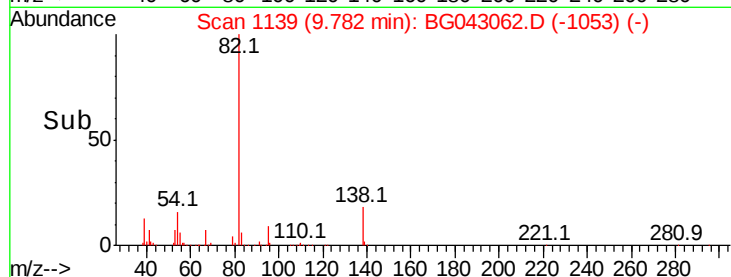
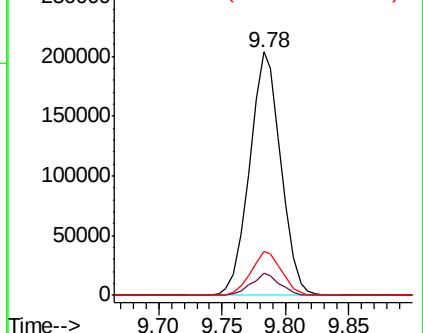
82 100

95 9.1 7.0 10.4

138 18.2 13.8 20.6



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



#26

2-Nitrophenol

Concen: 44.525 ng

RT: 9.98 min Scan# 1172

Delta R.T. -0.02 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

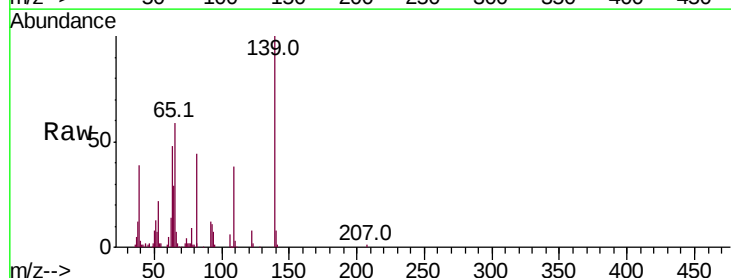
Tgt Ion: 139 Resp: 90995

Ion Ratio Lower Upper

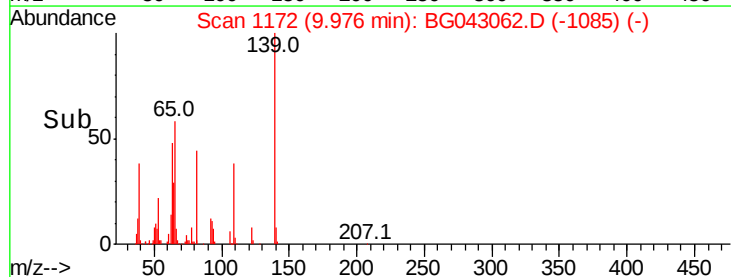
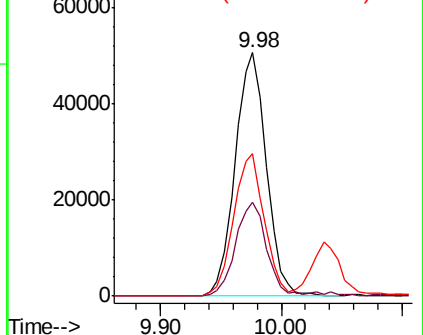
139 100

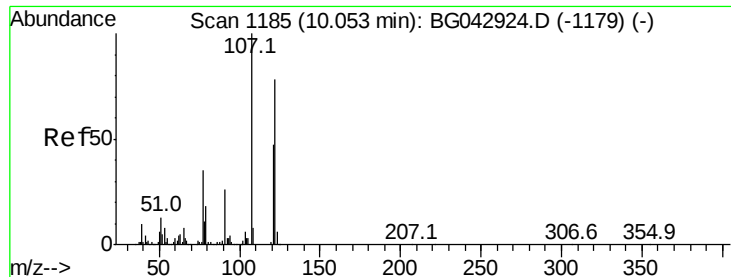
109 38.3 31.0 46.6

65 58.5 48.4 72.6



Abundance Ion 139.00 (138.70 to 139.70): BGC
Ion 109.00 (108.70 to 109.70): BGC
Ion 65.00 (64.70 to 65.70): BGC

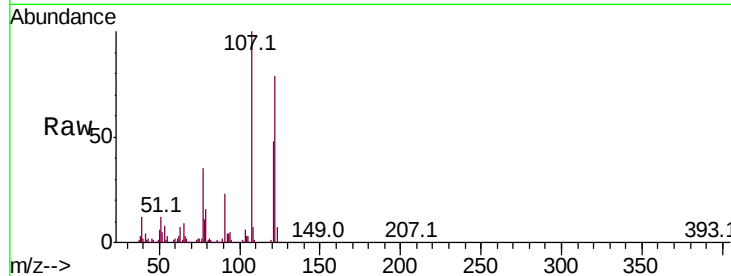




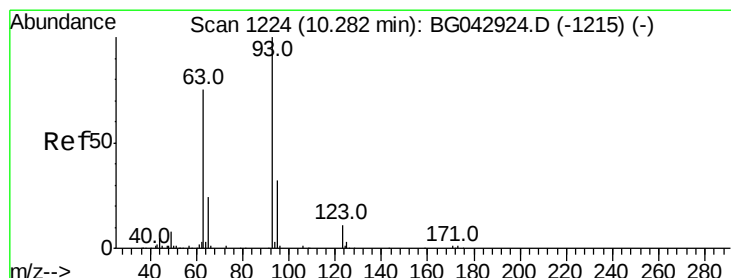
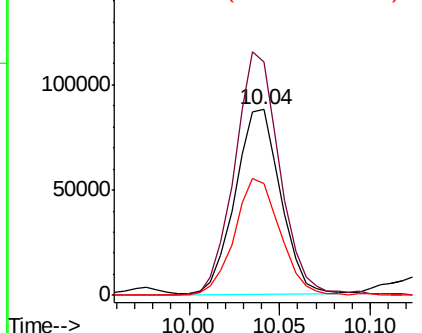
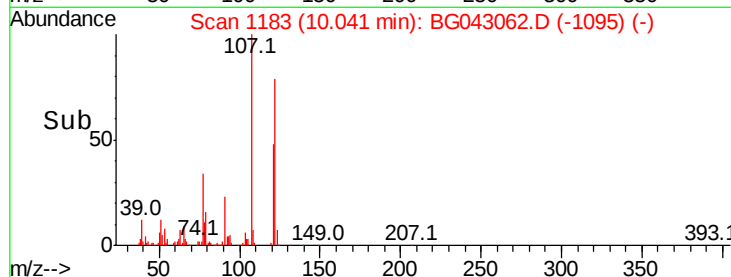
#27
2,4-Dimethylphenol
Concen: 49.010 ng
RT: 10.04 min Scan# 1183
Delta R.T. -0.01 min
Lab File: BG043062.D
Acq: 5 Oct 2019 19:21

Instrument :
BNA_G
ClientSampleId :
HR-05-100219MSD

Tot Ion:122 Resp: 153820
Ion Ratio Lower Upper
122 100
107 126.1 102.2 153.2
121 60.4 48.5 72.7

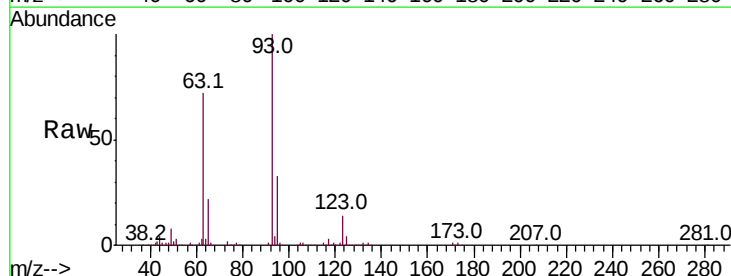


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

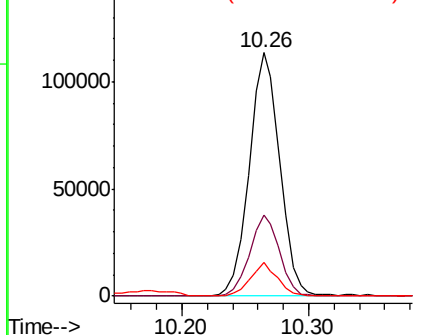
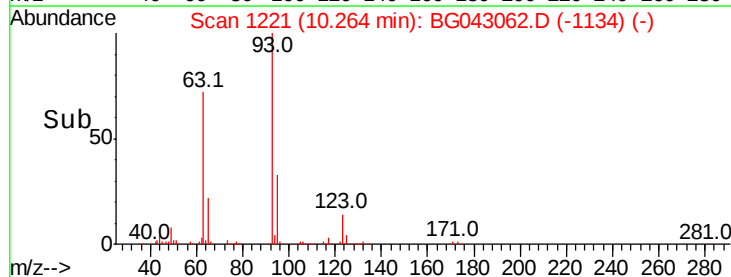


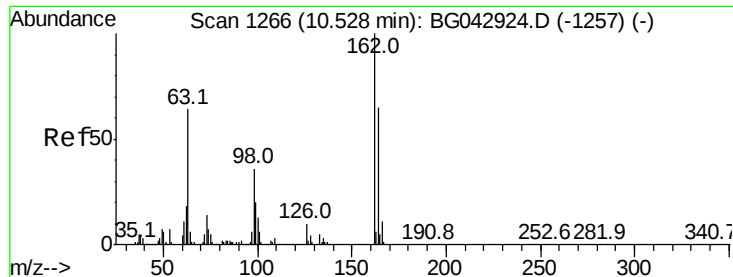
#28
bis(2-Chloroethoxy)methane
Concen: 37.804 ng
RT: 10.26 min Scan# 1221
Delta R.T. -0.02 min
Lab File: BG043062.D
Acq: 5 Oct 2019 19:21

Tgt Ion: 93 Resp: 189626
Ion Ratio Lower Upper
93 100
95 33.3 25.4 38.0
123 13.6 9.3 13.9



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 123.00 (122.70 to 123.70): E

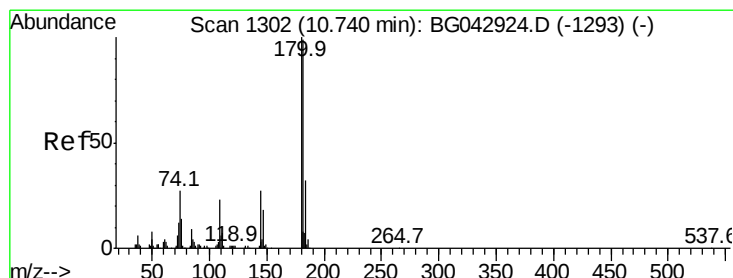
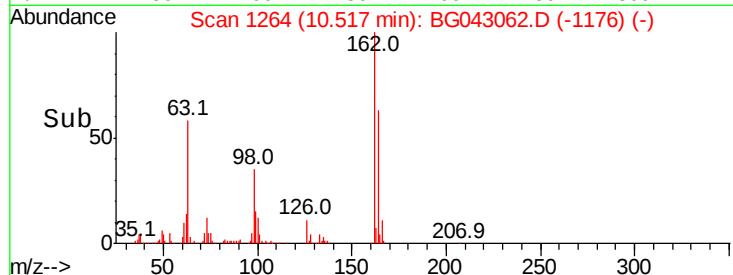
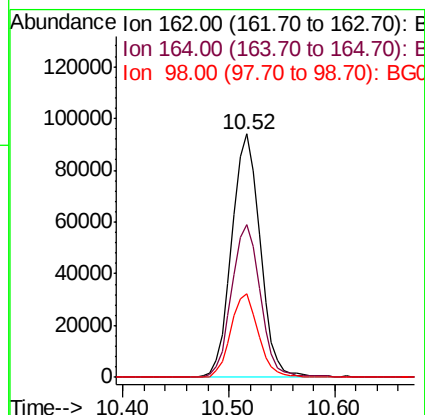
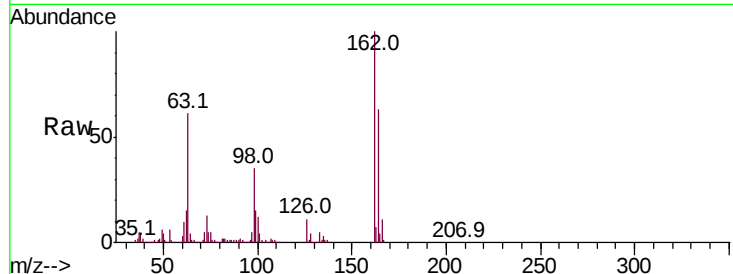




#29
 2,4-Dichlorophenol
 Concen: 44.948 ng
 RT: 10.52 min Scan# 1264
 Delta R.T. -0.01 min
 Lab File: BG043062.D
 Acq: 5 Oct 2019 19:21

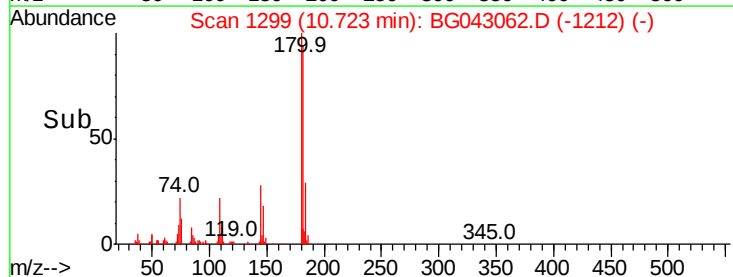
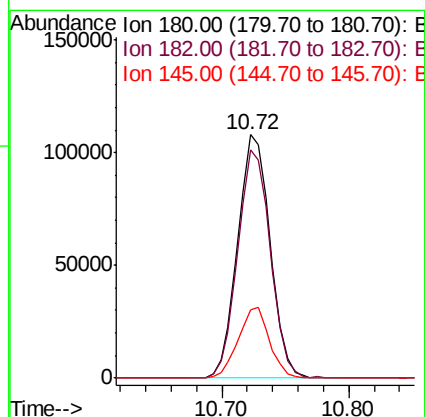
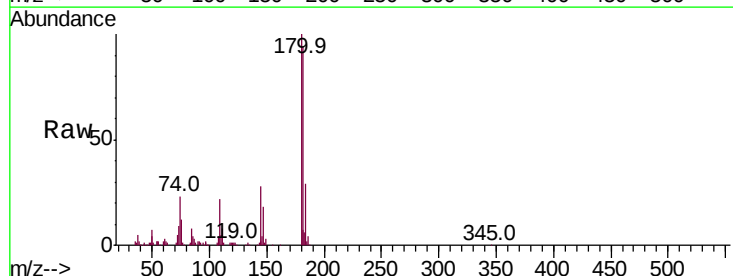
Instrument :
 BNA_G
 ClientSampleId :
 HR-05-100219MSD

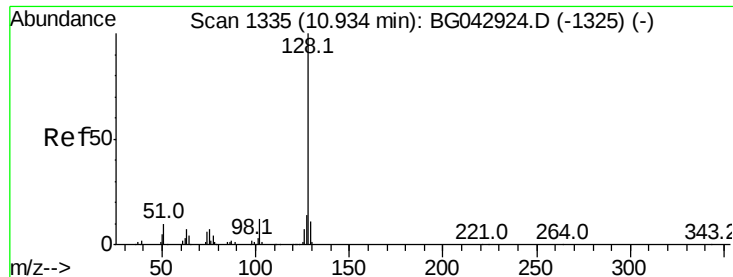
Tot Ion	Ratio	Lower	Upper
162	100		
164	62.9	44.7	84.7
98	34.5	16.0	56.0



#30
 1,2,4-Trichlorobenzene
 Concen: 37.935 ng
 RT: 10.72 min Scan# 1299
 Delta R.T. -0.02 min
 Lab File: BG043062.D
 Acq: 5 Oct 2019 19:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	79.3	118.9
145	27.8	22.0	33.0

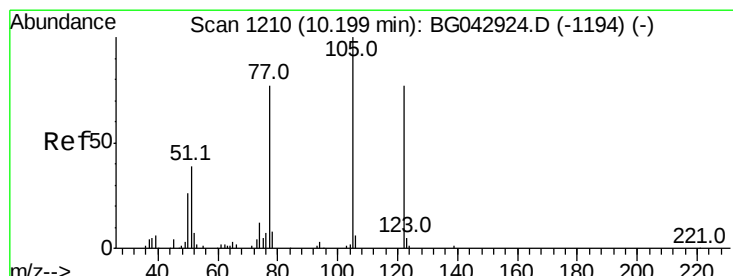
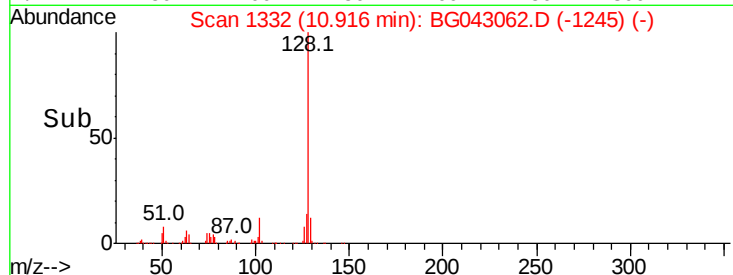
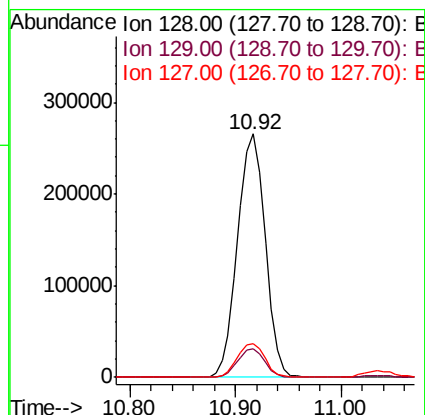
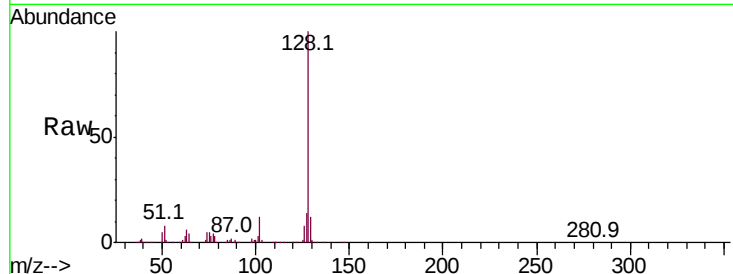




#31
Naphthalene
Concen: 39.990 ng
RT: 10.92 min Scan# 1332
Delta R.T. -0.02 min
Lab File: BG043062.D
Acq: 5 Oct 2019 19:21

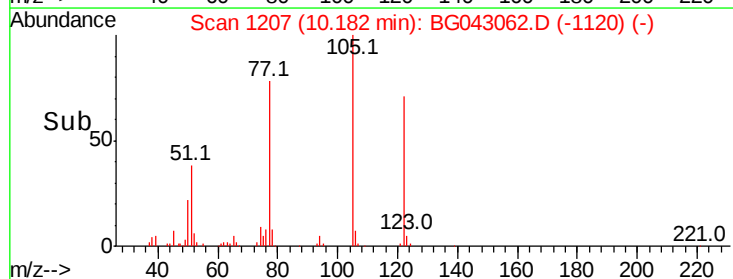
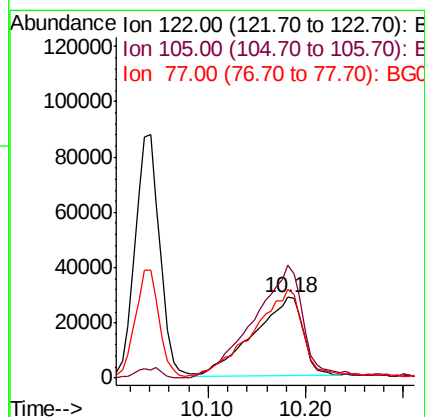
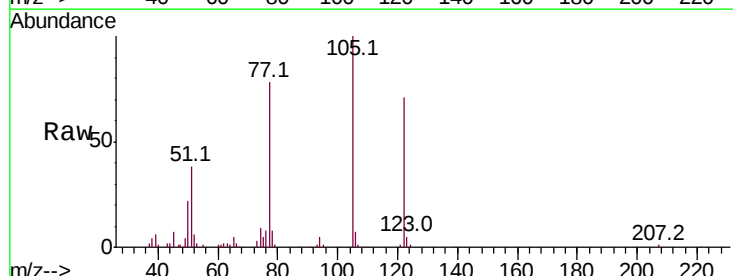
Instrument :
BNA_G
ClientSampleId :
HR-05-100219MSD

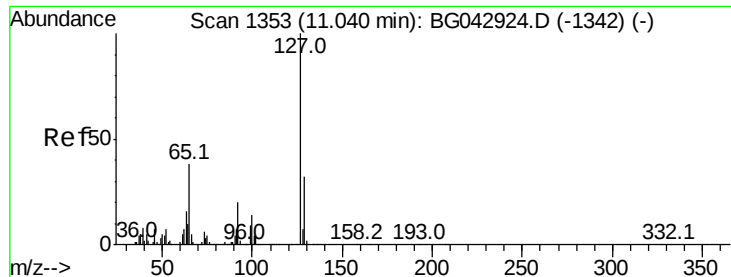
Tot Ion:128 Resp: 481580
Ion Ratio Lower Upper
128 100
129 11.5 8.8 13.2
127 14.0 11.3 16.9



#32
Benzoic acid
Concen: 42.492 ng
RT: 10.18 min Scan# 1207
Delta R.T. -0.02 min
Lab File: BG043062.D
Acq: 5 Oct 2019 19:21

Tgt Ion:122 Resp: 101222
Ion Ratio Lower Upper
122 100
105 140.2 107.5 147.5
77 109.8 79.8 119.8

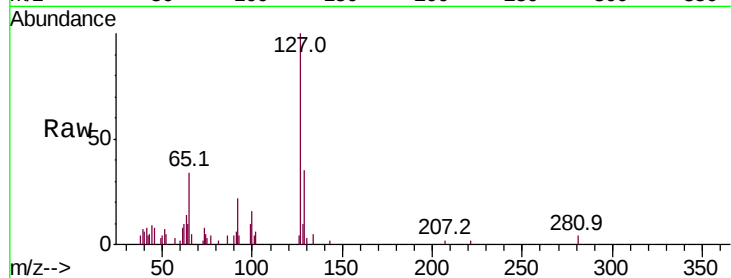




#33
4-Chloroaniline
Concen: 3.123 ng
RT: 11.03 min Scan# 1352
Delta R.T. -0.01 min
Lab File: BG043062.D
Acq: 5 Oct 2019 19:21

Instrument :
BNA_G
ClientSampleId :
HR-05-100219MSD

Tot Ion:	127	Resp:	16319
Ion	Ratio	Lower	Upper
127	100		
129	35.1	26.2	39.2
65	33.9	30.6	45.8
92	22.0	16.2	24.4



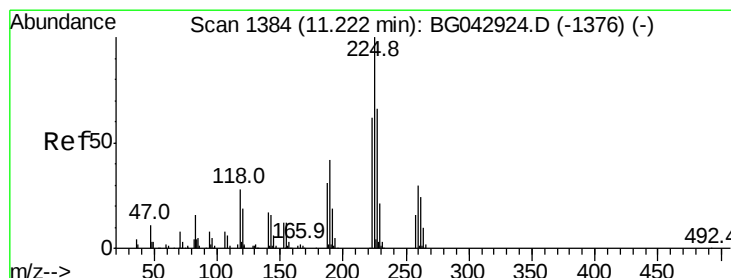
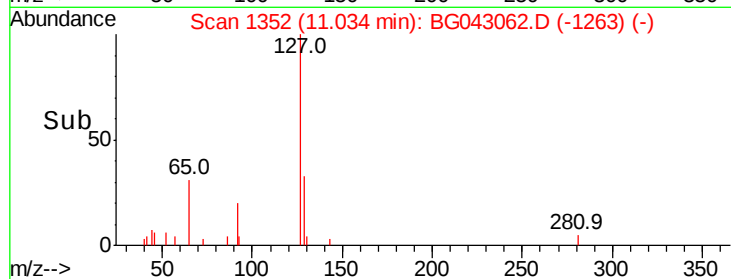
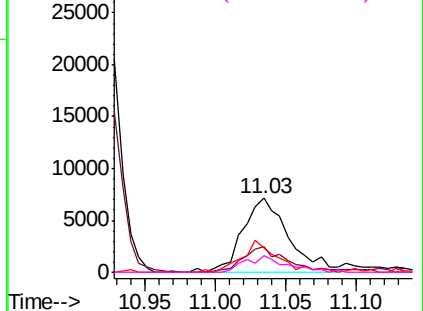
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

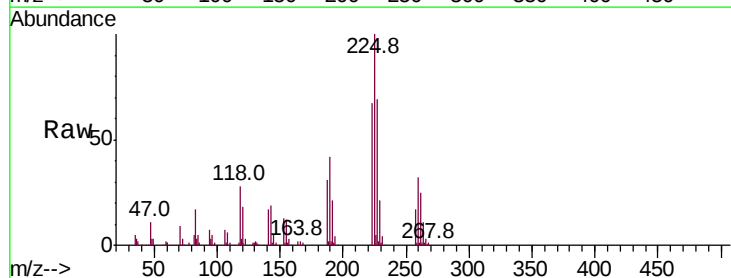
Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC



#34
Hexachlorobutadiene
Concen: 35.341 ng
RT: 11.20 min Scan# 1381
Delta R.T. -0.02 min
Lab File: BG043062.D
Acq: 5 Oct 2019 19:21

Tgt Ion:	225	Resp:	133389
Ion	Ratio	Lower	Upper
225	100		
223	67.2	49.3	73.9
227	68.9	52.8	79.2

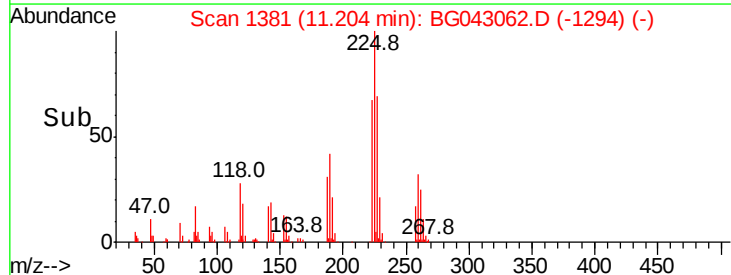
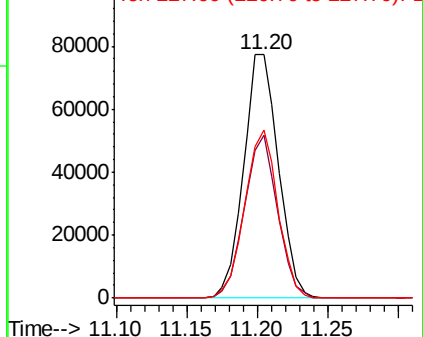


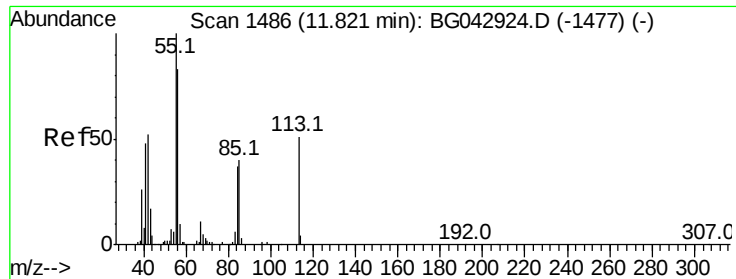
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 28.482 ng

RT: 11.80 min Scan# 1482

Delta R.T. -0.02 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

Instrument :

BNA_G

ClientSampleId :

HR-05-100219MSD

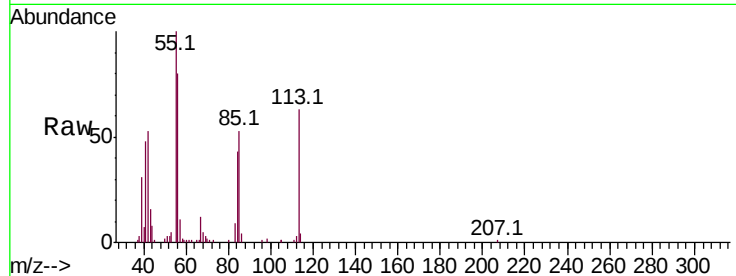
Tot Ion:113 Resp: 39206

Ion Ratio Lower Upper

113 100

55 159.0 175.5 215.5#

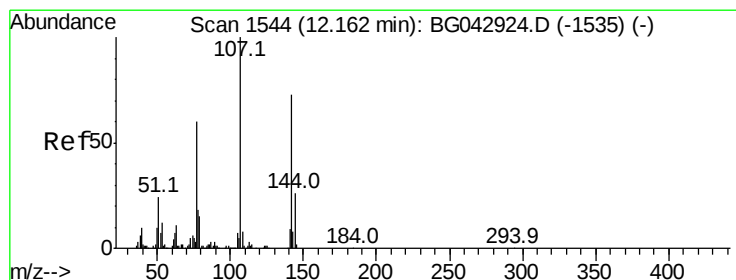
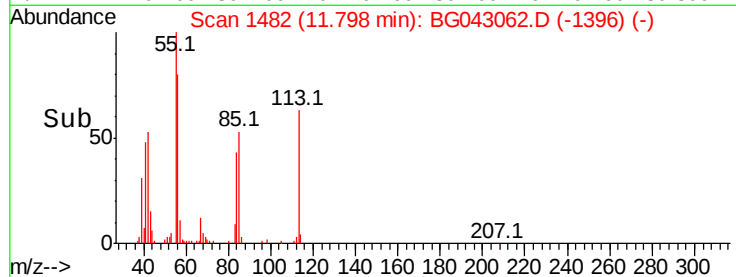
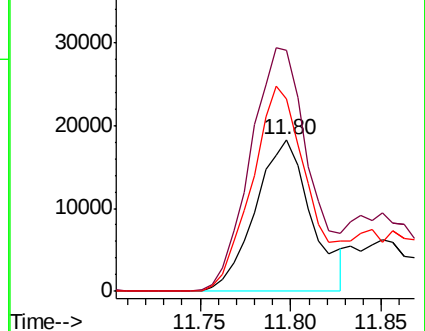
56 126.4 142.3 182.3#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG

Ion 56.00 (55.70 to 56.70): BG



#36

4-Chloro-3-methylphenol

Concen: 45.307 ng

RT: 12.15 min Scan# 1542

Delta R.T. -0.01 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

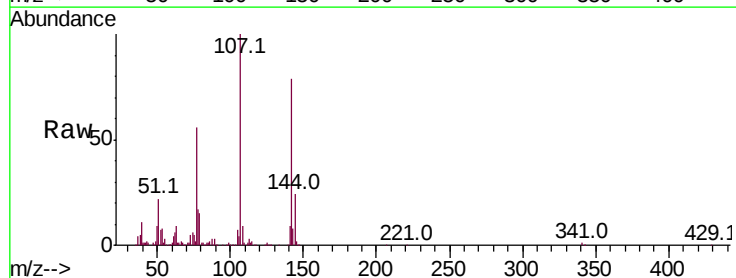
Tgt Ion:107 Resp: 192288

Ion Ratio Lower Upper

107 100

144 24.0 20.7 31.1

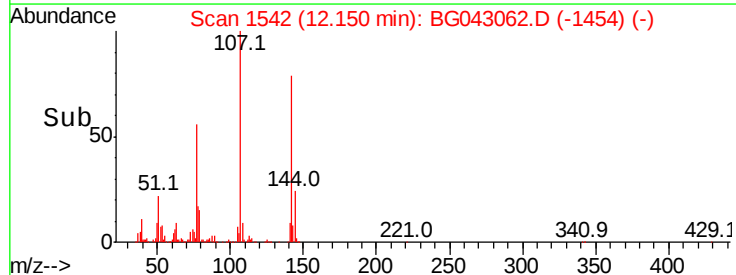
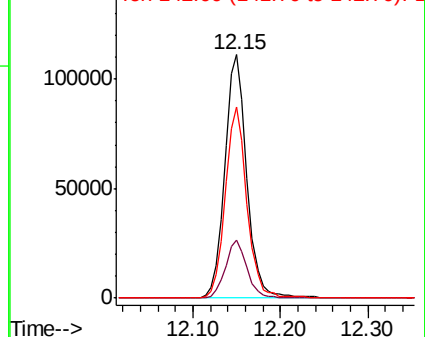
142 78.7 58.6 87.8

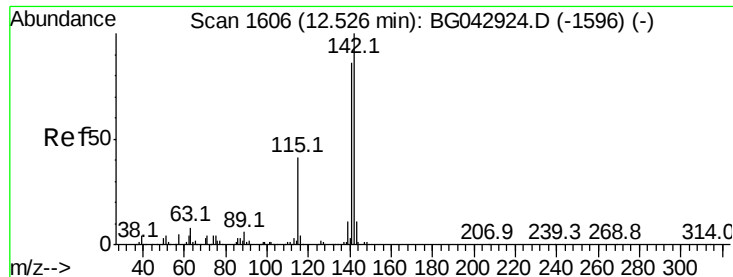


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

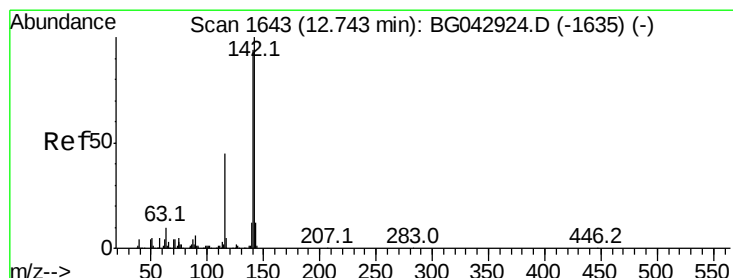
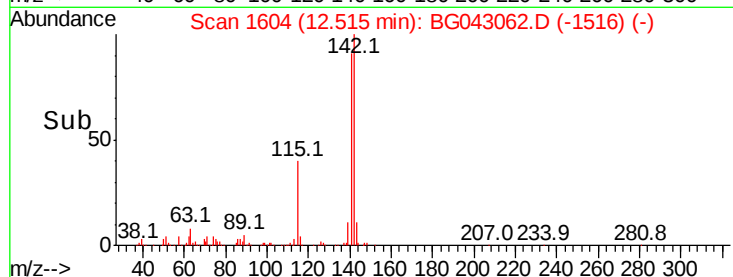
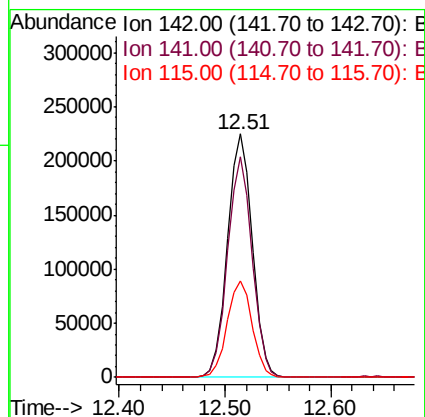
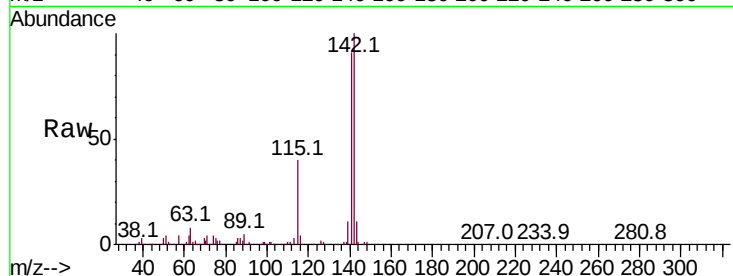




#37
 2-Methylnaphthalene
 Concen: 39.537 ng
 RT: 12.51 min Scan# 1604
 Delta R.T. -0.01 min
 Lab File: BG043062.D
 Acq: 5 Oct 2019 19:21

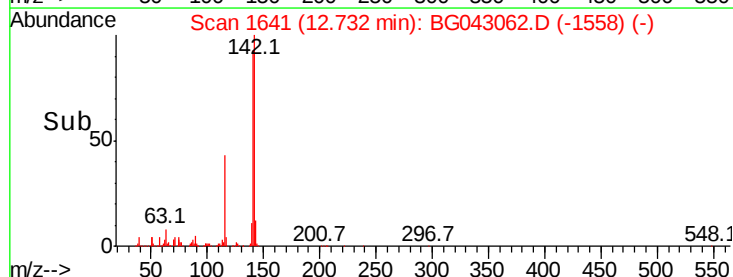
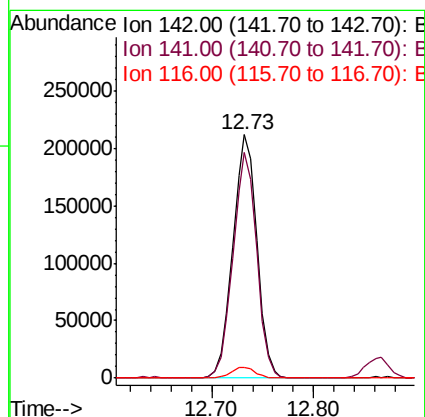
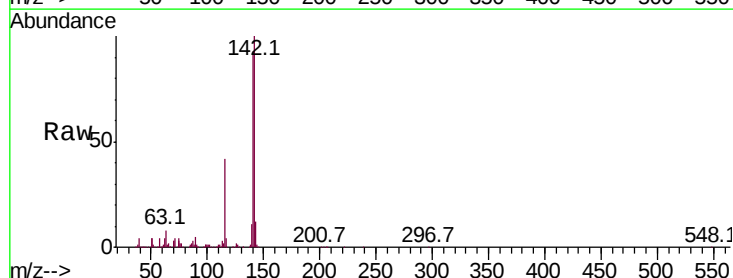
Instrument :
 BNA_G
 ClientSampleId :
 HR-05-100219MSD

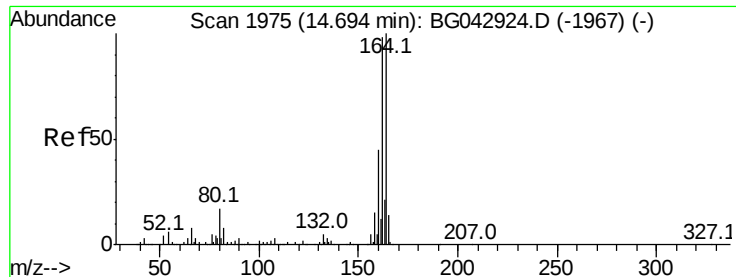
Tot Ion	Ratio	Lower	Upper
142	100		
141	90.7	69.0	103.4
115	39.8	32.8	49.2



#38
 1-Methylnaphthalene
 Concen: 39.918 ng
 RT: 12.73 min Scan# 1641
 Delta R.T. -0.01 min
 Lab File: BG043062.D
 Acq: 5 Oct 2019 19:21

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.8	74.9	112.3
116	4.4	3.7	5.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.01 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

Instrument :

BNA_G

ClientSampleId :

HR-05-100219MSD

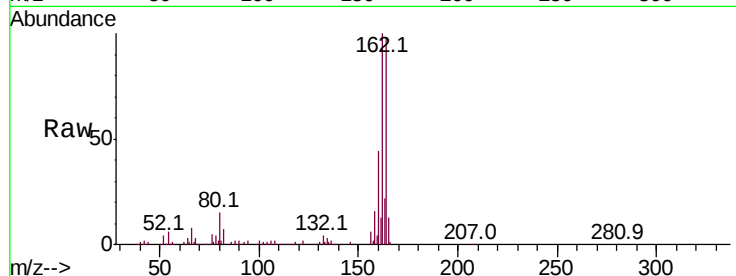
Tot Ion:164 Resp: 172562

Ion Ratio Lower Upper

164 100

162 101.8 78.5 117.7

160 44.7 35.9 53.9

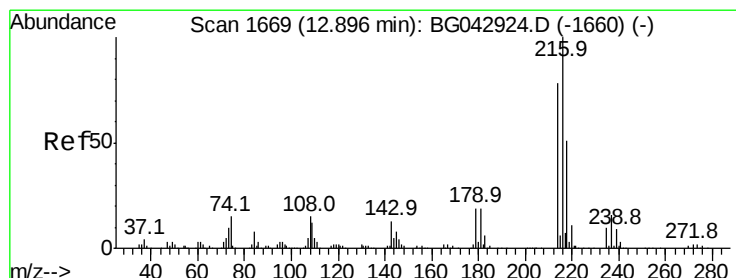
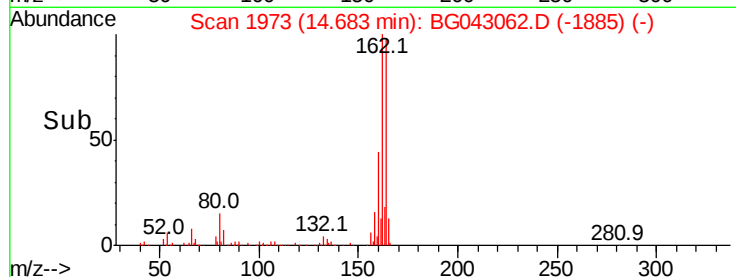
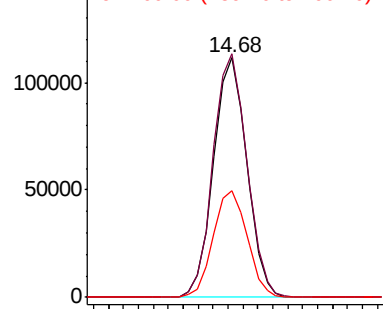


Abundance

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



#40

1,2,4,5-Tetrachlorobenzene

Concen: 36.604 ng

RT: 12.88 min Scan# 1666

Delta R.T. -0.02 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

Tgt Ion:216 Resp: 237497

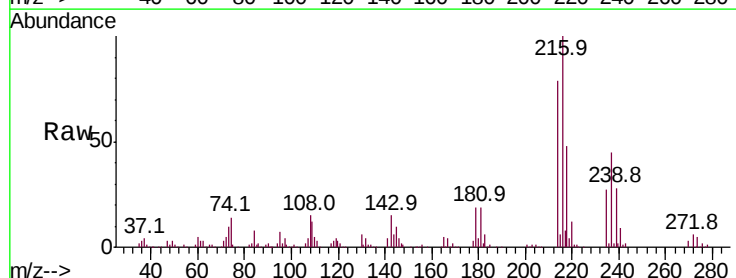
Ion Ratio Lower Upper

216 100

214 78.6 62.4 93.6

179 19.8 15.4 23.2

108 17.0 12.6 19.0



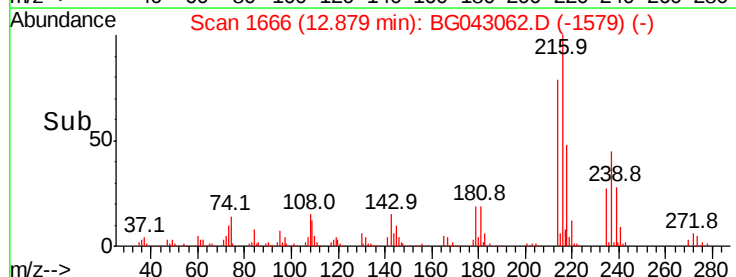
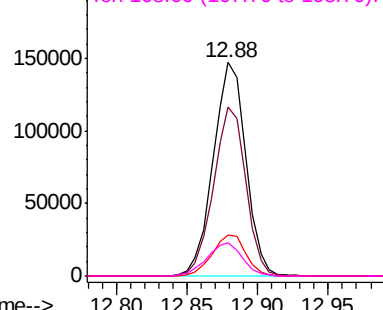
Abundance

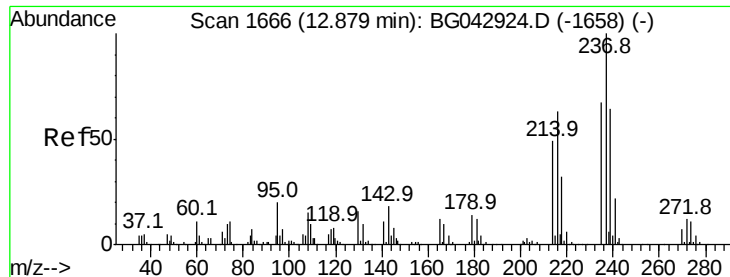
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 74.186 ng

RT: 12.86 min Scan# 1663

Delta R.T. -0.02 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

Instrument :

BNA_G

ClientSampleId :

HR-05-100219MSD

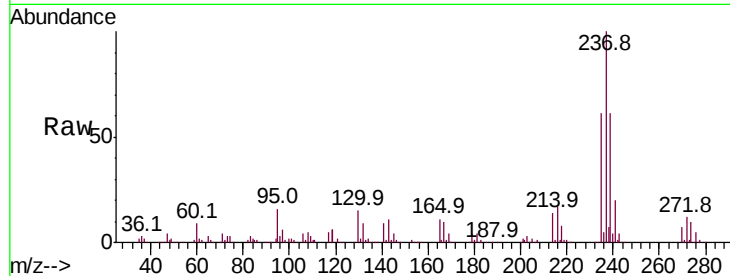
Tot Ion:237 Resp: 306685

Ion Ratio Lower Upper

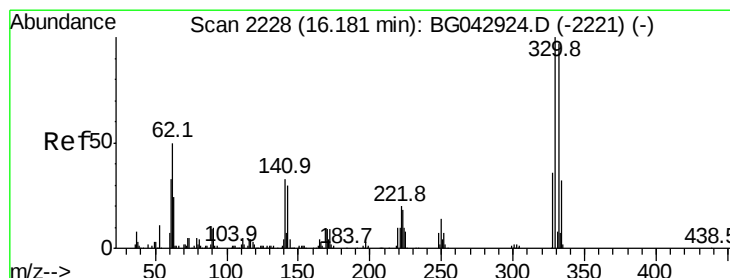
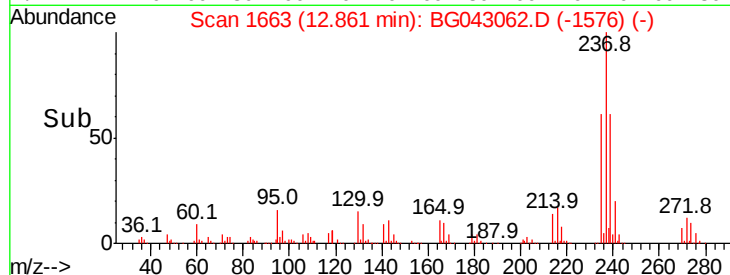
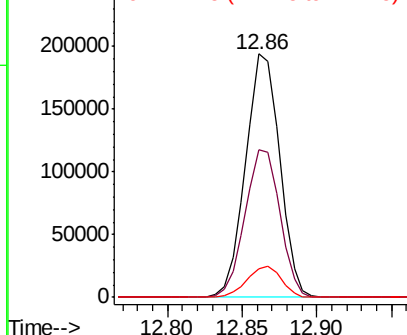
237 100

235 60.7 46.7 86.7

272 11.8 0.0 32.3



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 124.074 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

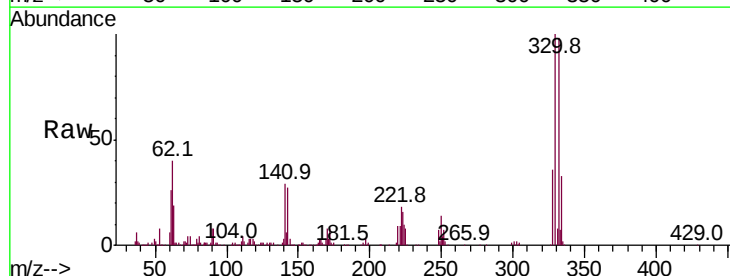
Tgt Ion:330 Resp: 368166

Ion Ratio Lower Upper

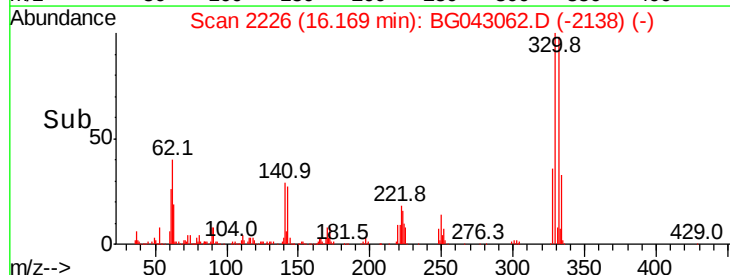
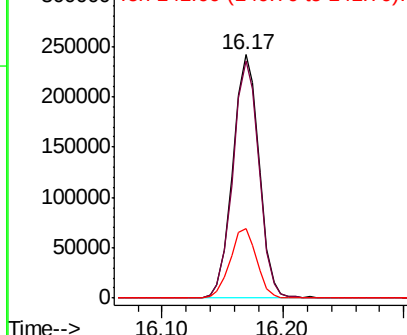
330 100

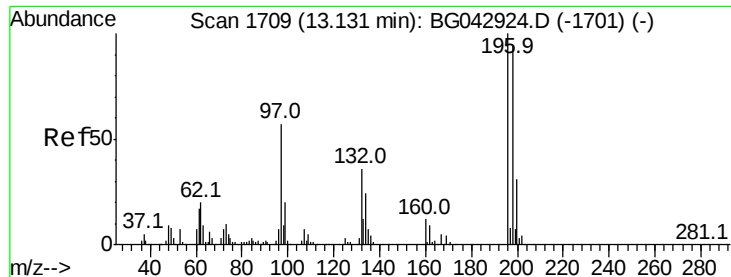
332 96.8 78.2 117.2

141 28.8 26.0 39.0



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

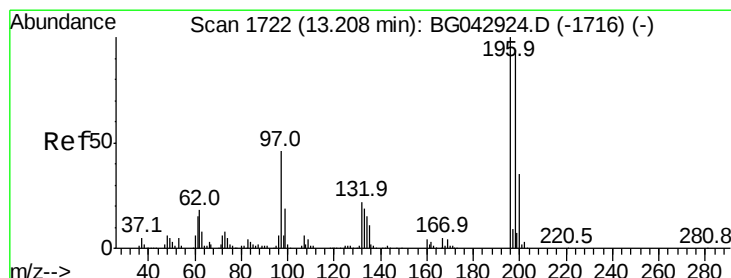
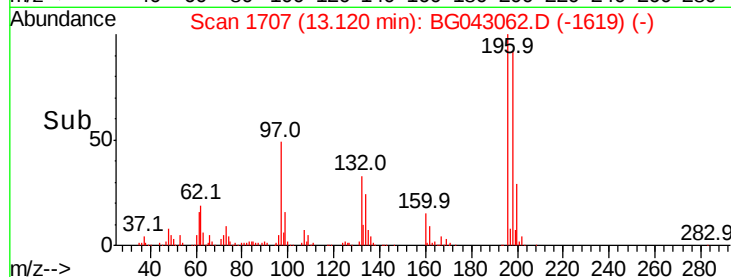
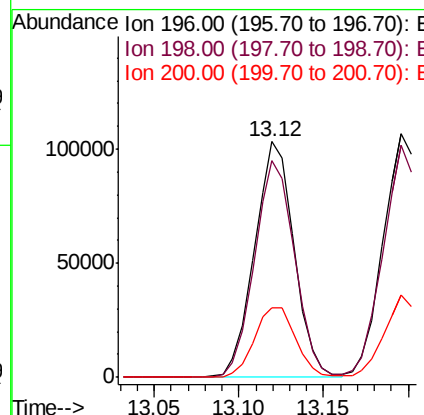
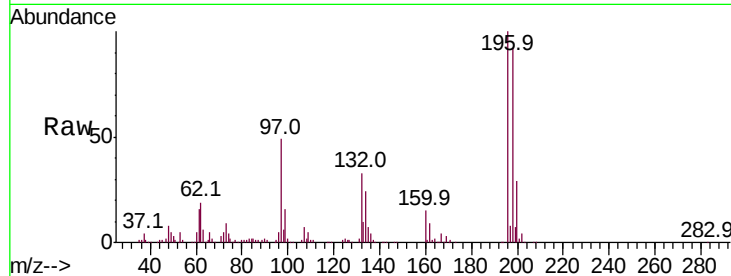




#43
 2,4,6-Trichlorophenol
 Concen: 44.087 ng
 RT: 13.12 min Scan# 1707
 Delta R.T. -0.01 min
 Lab File: BG043062.D
 Acq: 5 Oct 2019 19:21

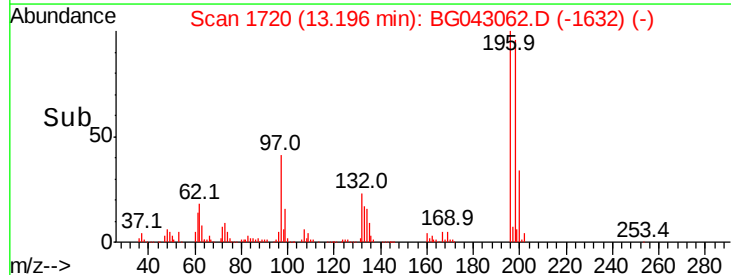
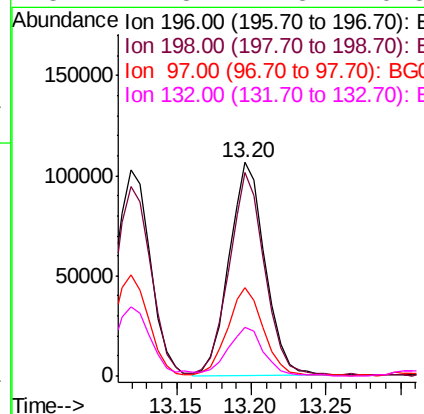
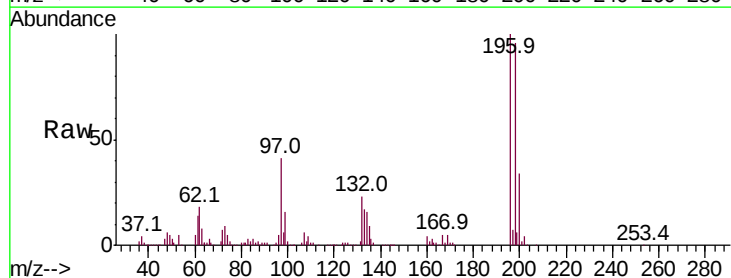
Instrument :
 BNA_G
 ClientSampleId :
 HR-05-100219MSD

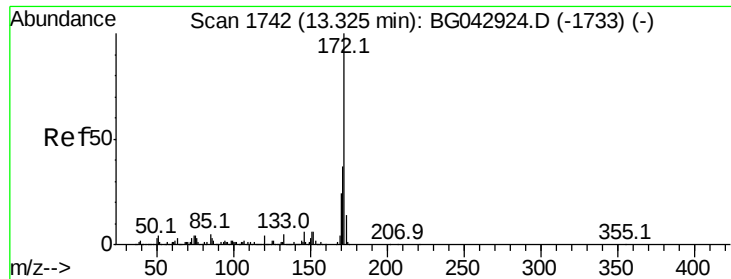
Tot Ion:196 Resp: 167424
 Ion Ratio Lower Upper
 196 100
 198 91.9 75.5 113.3
 200 29.4 24.9 37.3



#44
 2,4,5-Trichlorophenol
 Concen: 45.463 ng
 RT: 13.20 min Scan# 1720
 Delta R.T. -0.01 min
 Lab File: BG043062.D
 Acq: 5 Oct 2019 19:21

Tgt Ion:196 Resp: 177855
 Ion Ratio Lower Upper
 196 100
 198 95.5 75.1 112.7
 97 41.2 37.0 55.4
 132 22.8 17.5 26.3

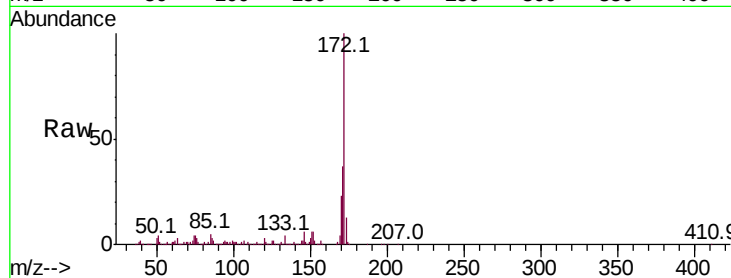




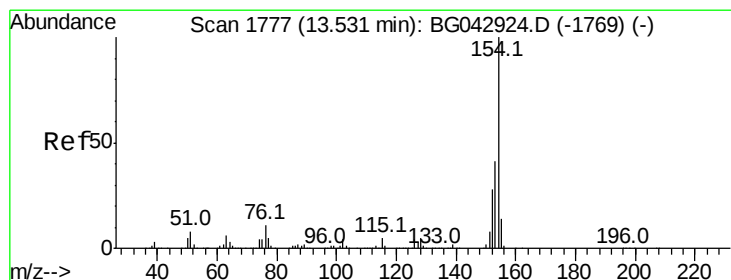
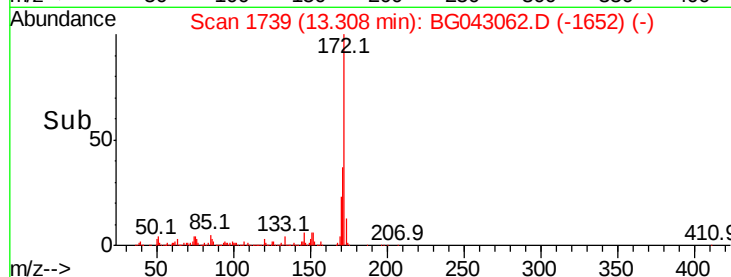
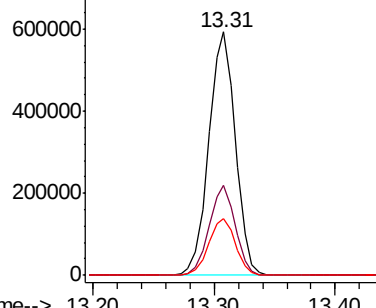
#45
2-Fluorobiphenyl
Concen: 76.261 ng
RT: 13.31 min Scan# 1739
Delta R.T. -0.02 min
Lab File: BG043062.D
Acq: 5 Oct 2019 19:21

Instrument :
BNA_G
ClientSampleId :
HR-05-100219MSD

Tot Ion:172 Resp: 907761
Ion Ratio Lower Upper
172 100
171 36.8 29.6 44.4
170 23.3 19.6 29.4

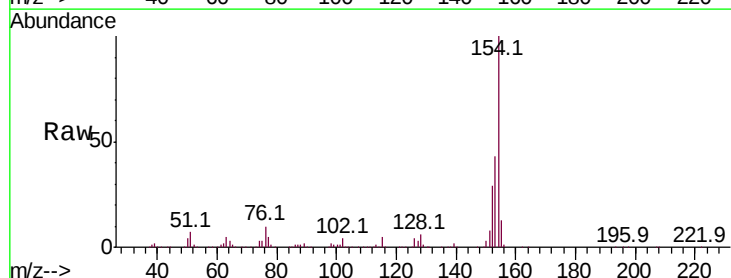


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

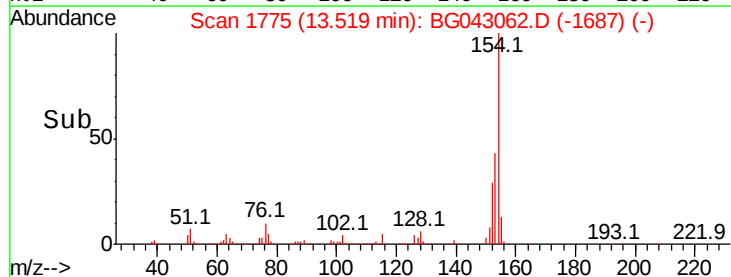
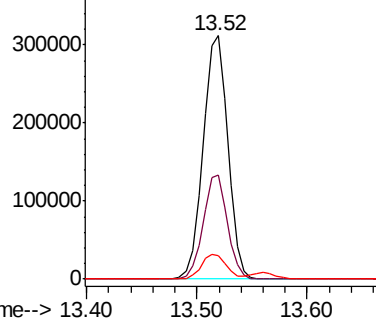


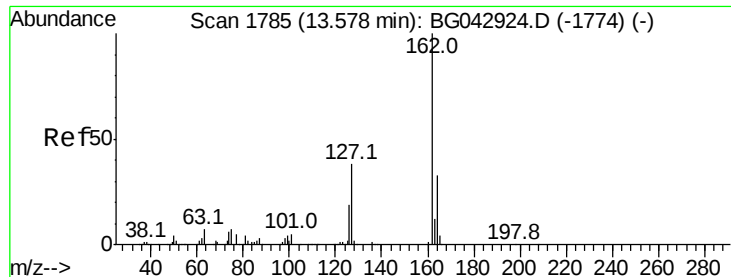
#46
1,1'-Biphenyl
Concen: 37.499 ng
RT: 13.52 min Scan# 1775
Delta R.T. -0.01 min
Lab File: BG043062.D
Acq: 5 Oct 2019 19:21

Tgt Ion:154 Resp: 490715
Ion Ratio Lower Upper
154 100
153 42.8 21.4 61.4
76 9.7 0.0 31.3



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BG

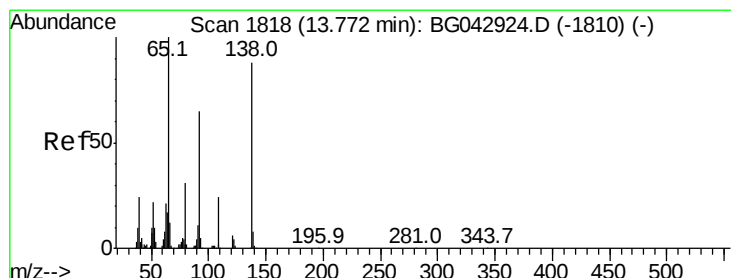
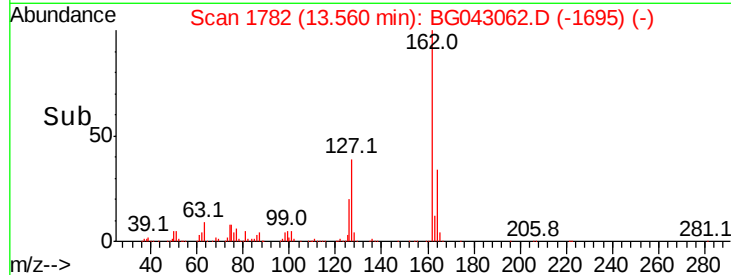
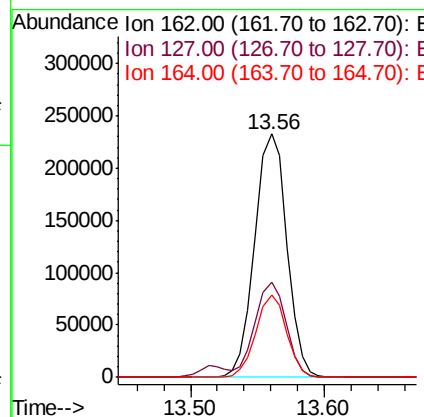
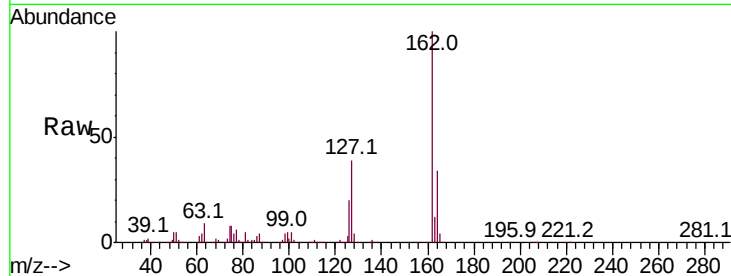




#47
 2-Chloronaphthalene
 Concen: 39.309 ng
 RT: 13.56 min Scan# 1782
 Delta R.T. -0.02 min
 Lab File: BG043062.D
 Acq: 5 Oct 2019 19:21

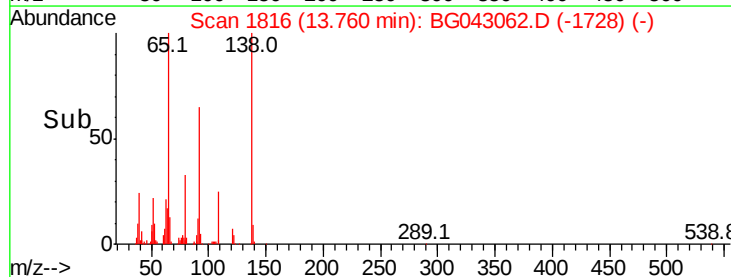
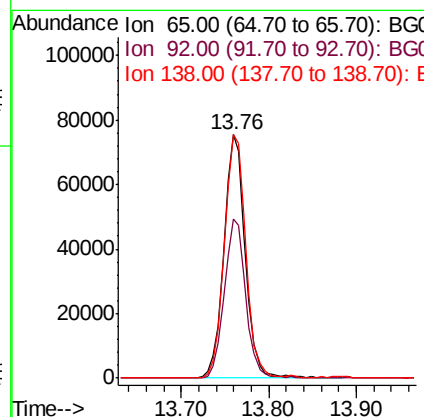
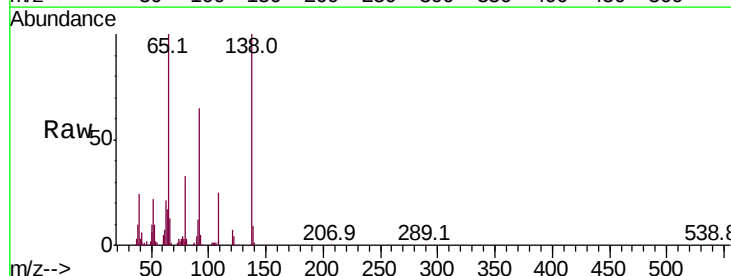
Instrument :
 BNA_G
 ClientSampleId :
 HR-05-100219MSD

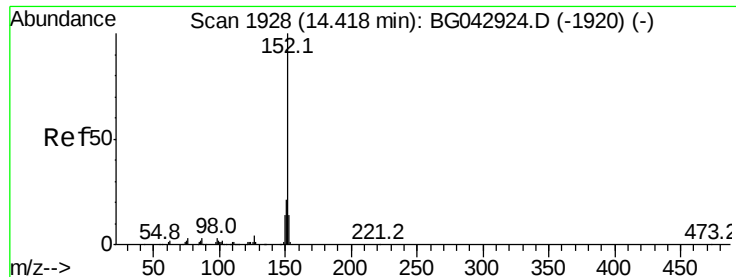
Tot Ion:	162	Resp:	385674
Ion	Ratio	Lower	Upper
162	100		
127	39.2	31.0	46.6
164	33.6	26.2	39.2



#48
 2-Nitroaniline
 Concen: 38.972 ng
 RT: 13.76 min Scan# 1816
 Delta R.T. -0.01 min
 Lab File: BG043062.D
 Acq: 5 Oct 2019 19:21

Tgt Ion:	65	Resp:	127153
Ion	Ratio	Lower	Upper
65	100		
92	65.2	52.0	78.0
138	99.9	70.4	105.6





#49

Acenaphthylene

Concen: 41.199 ng

RT: 14.41 min Scan# 1926

Delta R.T. -0.01 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

Instrument :

BNA_G

ClientSampleId :

HR-05-100219MSD

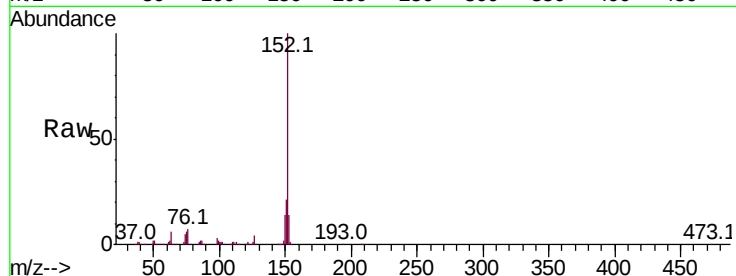
Tot Ion:152 Resp: 618517

Ion Ratio Lower Upper

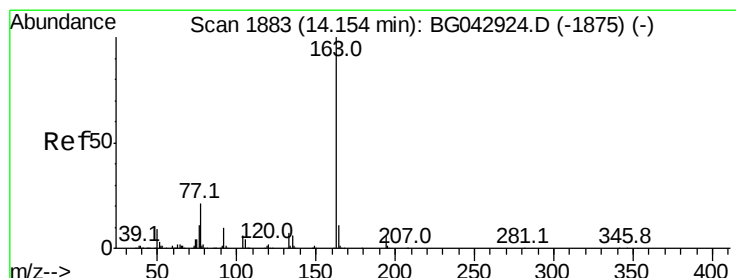
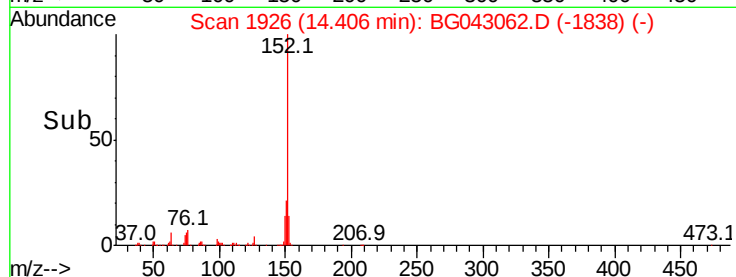
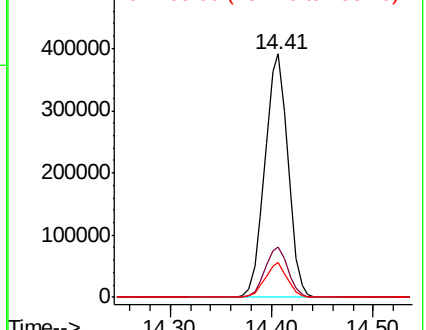
152 100

151 20.8 16.8 25.2

153 14.1 11.3 16.9



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 47.588 ng

RT: 14.14 min Scan# 1880

Delta R.T. -0.02 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

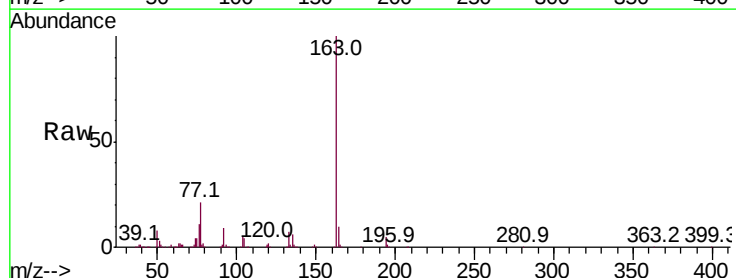
Tgt Ion:163 Resp: 615285

Ion Ratio Lower Upper

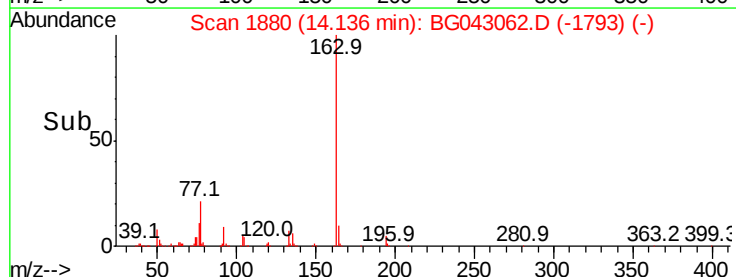
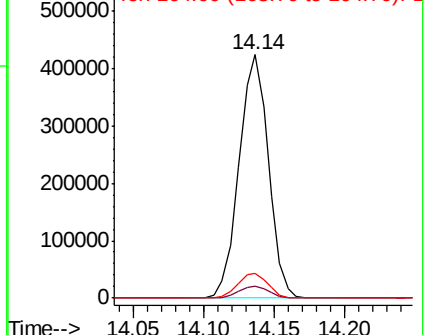
163 100

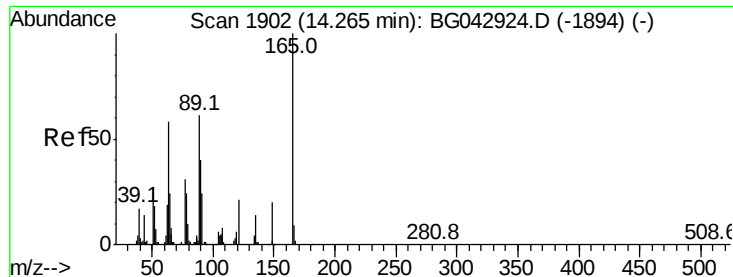
194 4.7 4.4 6.6

164 10.3 8.6 12.8



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 44.065 ng

RT: 14.25 min Scan# 1899

Delta R.T. -0.02 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

Instrument :

BNA_G

ClientSampleId :

HR-05-100219MSD

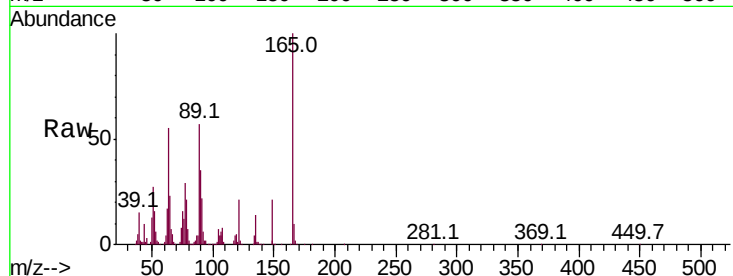
Tot Ion:165 Resp: 121328

Ion Ratio Lower Upper

165 100

63 54.7 50.3 75.5

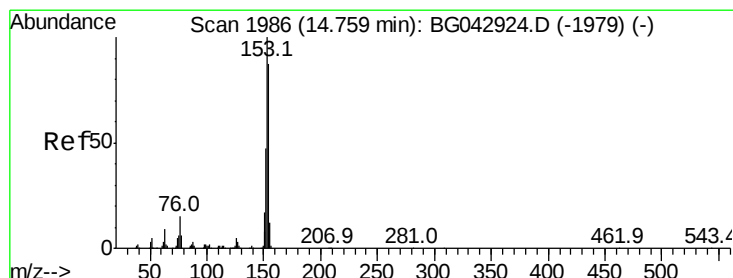
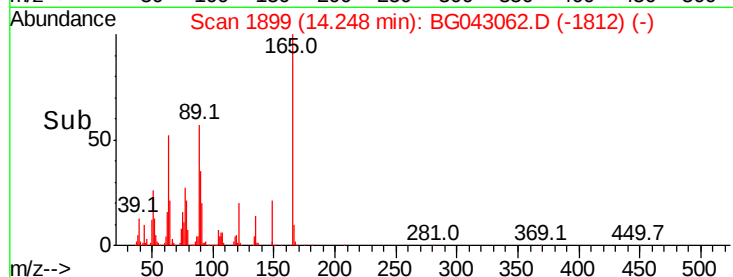
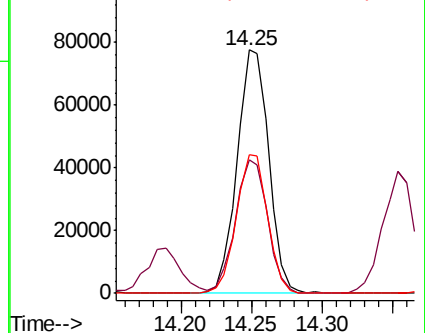
89 56.8 48.9 73.3



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: 37.572 ng

RT: 14.75 min Scan# 1984

Delta R.T. -0.01 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

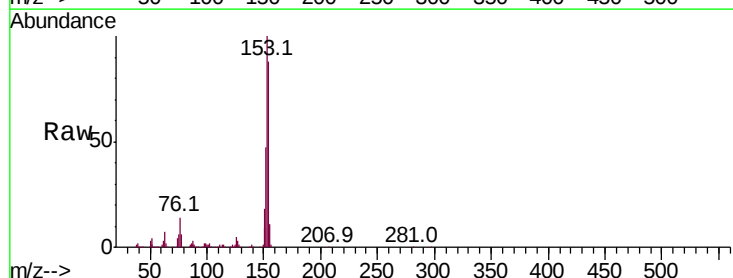
Tgt Ion:154 Resp: 377556

Ion Ratio Lower Upper

154 100

153 113.1 91.4 137.0

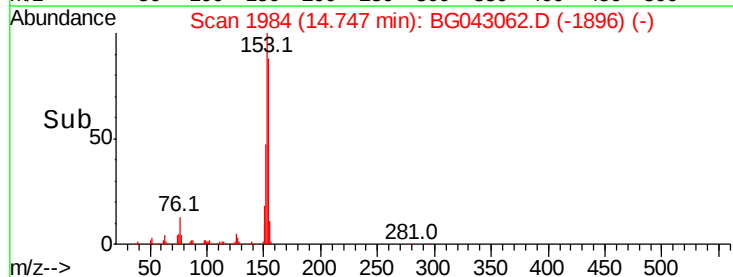
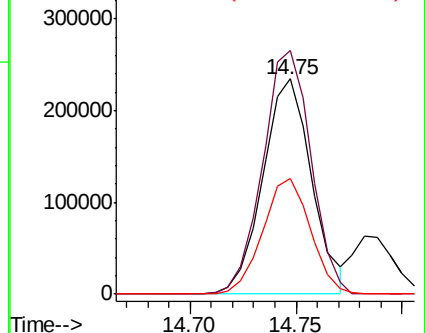
152 53.7 42.8 64.2

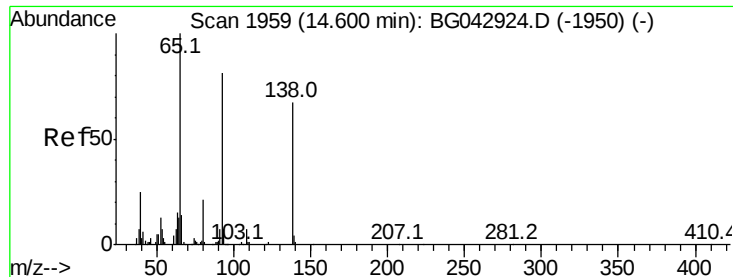


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 20.777 ng

RT: 14.58 min Scan# 1956

Delta R.T. -0.02 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

Instrument :

BNA_G

ClientSampleId :

HR-05-100219MSD

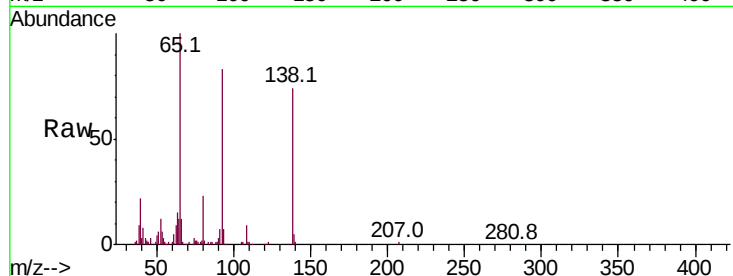
Tot Ion:138 Resp: 59122

Ion Ratio Lower Upper

138 100

108 12.0 7.9 11.9#

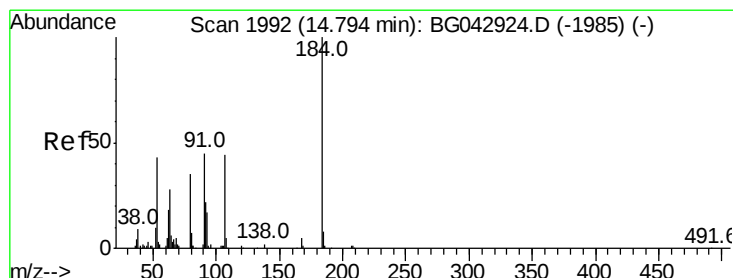
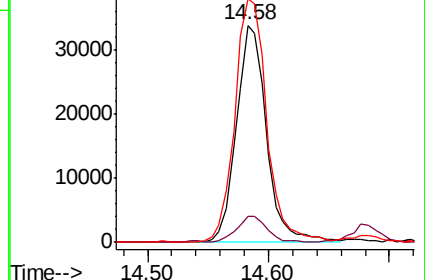
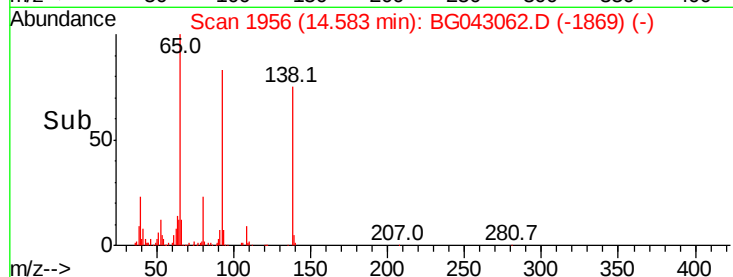
92 112.1 97.0 145.6



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#54

2,4-Dinitrophenol

Concen: 86.891 ng

RT: 14.79 min Scan# 1991

Delta R.T. -0.01 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

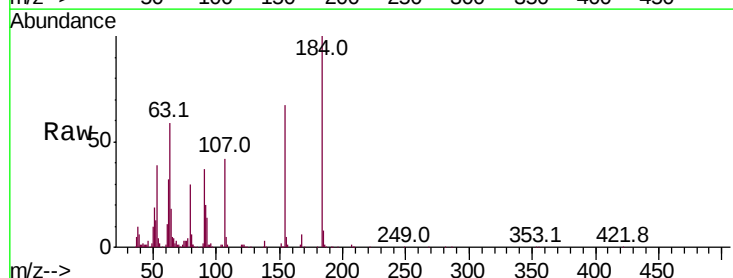
Tgt Ion:184 Resp: 148712

Ion Ratio Lower Upper

184 100

63 59.4 55.0 82.6

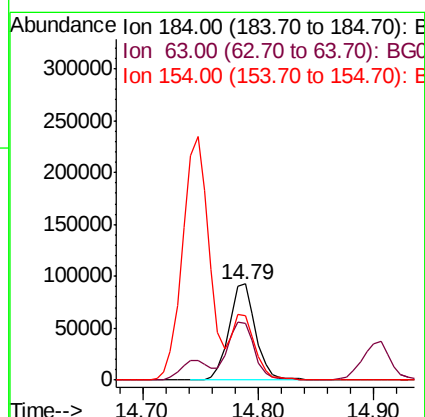
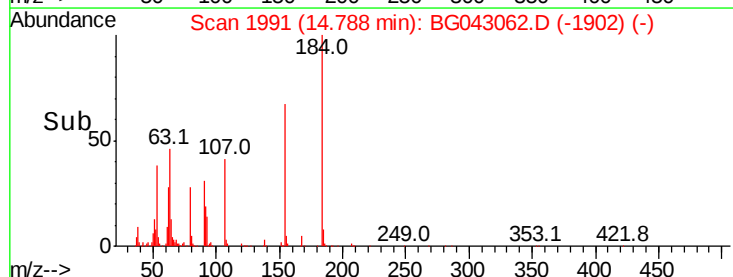
154 67.3 56.5 84.7

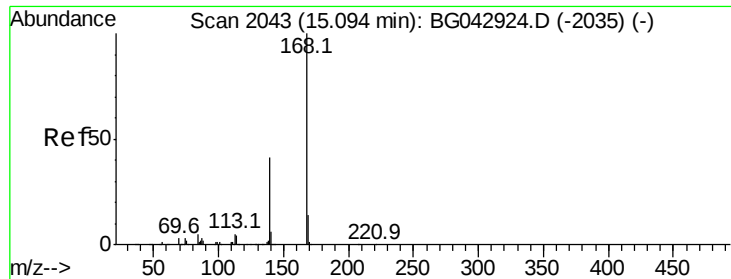


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E





#55

Dibenzofuran

Concen: 40.876 ng

RT: 15.08 min Scan# 2041

Delta R.T. -0.01 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

Instrument :

BNA_G

ClientSampleId :

HR-05-100219MSD

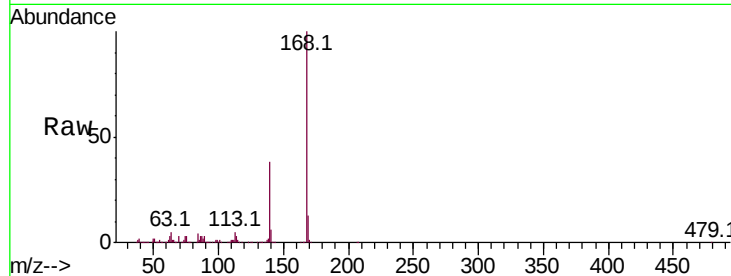
Tot Ion:168 Resp: 607624

Ion	Ratio	Lower	Upper
168	100		
139	38.5	32.6	48.8
169	12.8	11.2	16.8

168 100

139 38.5 32.6 48.8

169 12.8 11.2 16.8



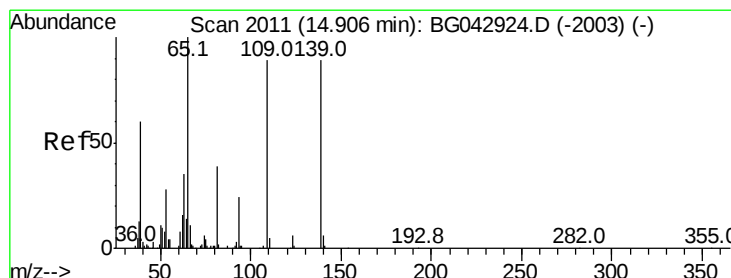
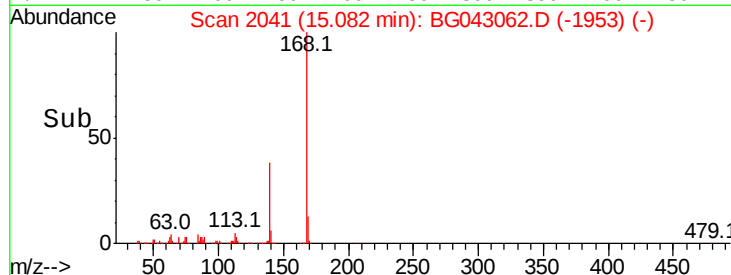
Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

15.08

Time-->



#56

4-Nitrophenol

Concen: 86.046 ng

RT: 14.90 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

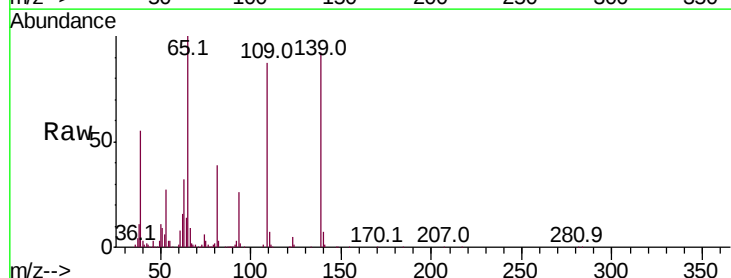
Tgt Ion:139 Resp: 186557

Ion	Ratio	Lower	Upper
139	100		
109	94.5	79.4	119.4
65	109.0	92.5	132.5

139 100

109 94.5 79.4 119.4

65 109.0 92.5 132.5



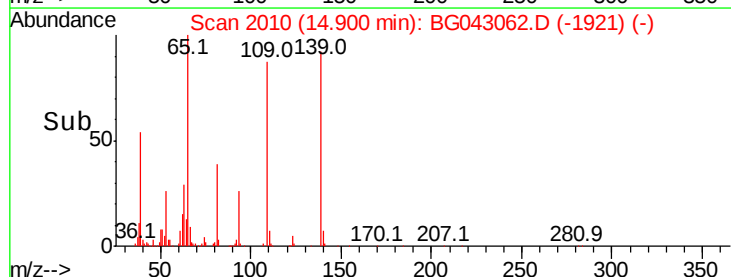
Abundance Ion 139.00 (138.70 to 139.70): E

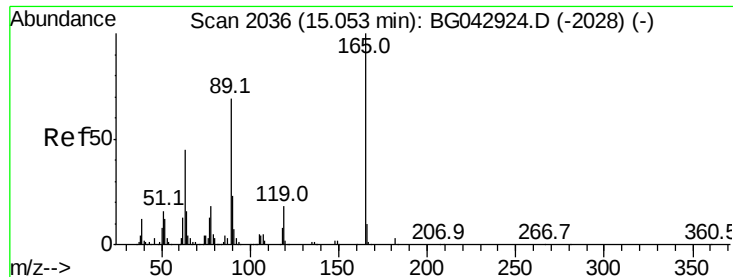
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG

14.90

Time-->





#57

2,4-Dinitrotoluene

Concen: 41.750 ng

RT: 15.04 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

Instrument :

BNA_G

ClientSampleId :

HR-05-100219MSD

Tot Ion:165 Resp: 168339

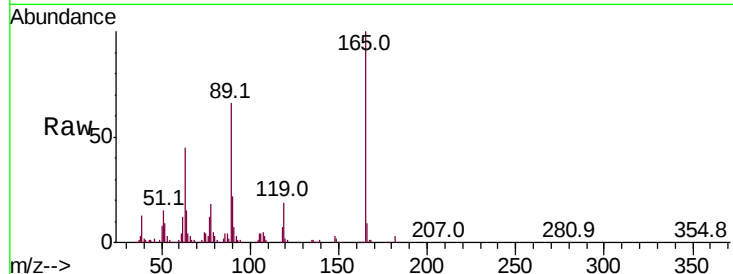
Ion Ratio Lower Upper

165 100

63 45.2 36.5 54.7

89 66.2 55.5 83.3

182 3.0 2.4 3.6

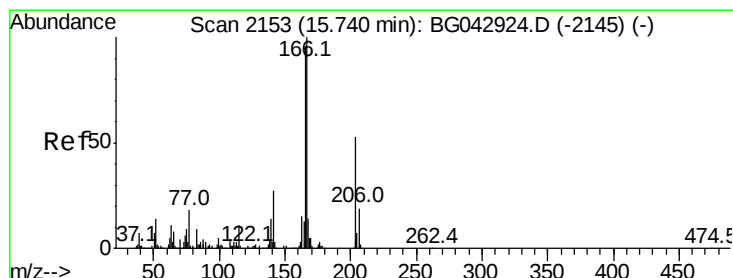
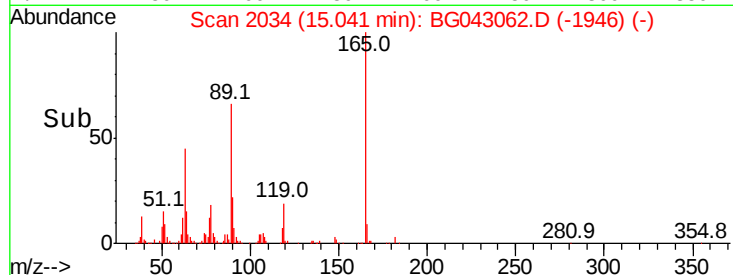
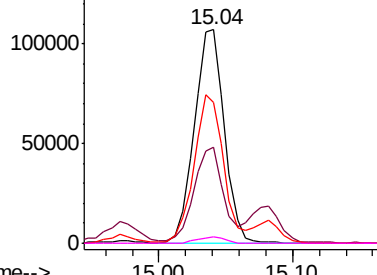


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 40.197 ng

RT: 15.73 min Scan# 2151

Delta R.T. -0.01 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

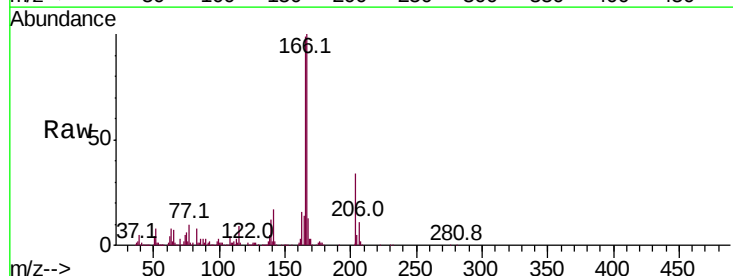
Tgt Ion:166 Resp: 510139

Ion Ratio Lower Upper

166 100

165 98.7 77.1 115.7

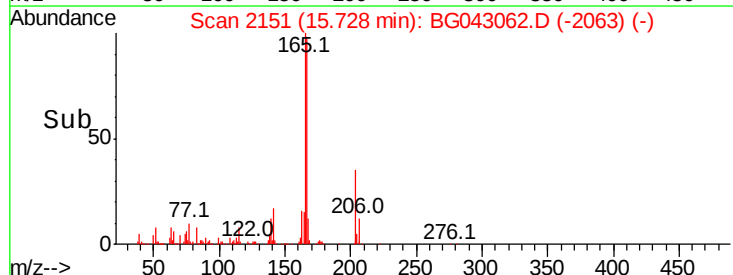
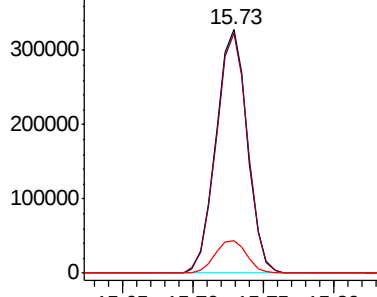
167 13.3 11.0 16.6

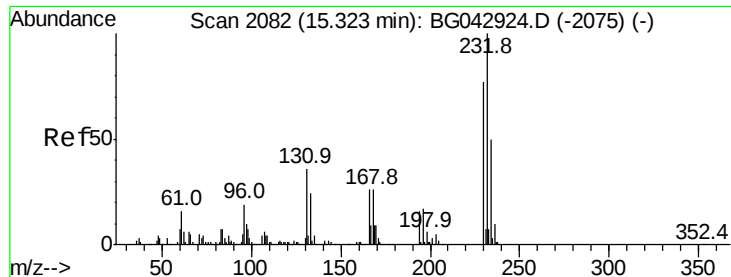


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

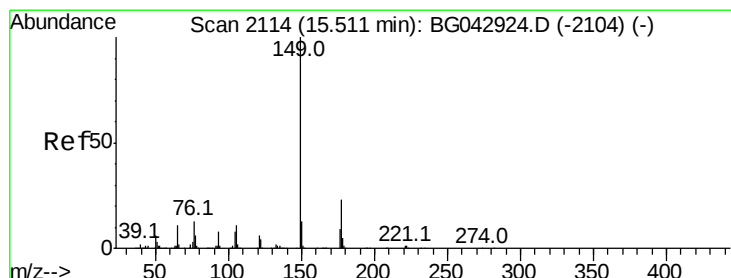
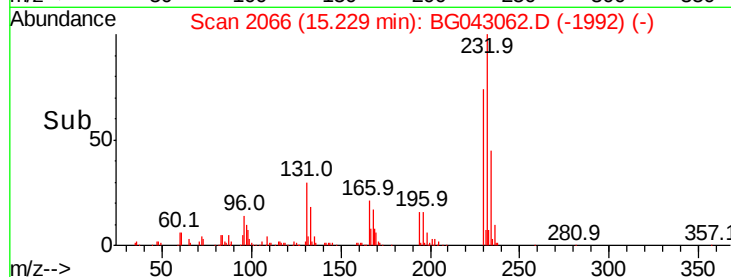
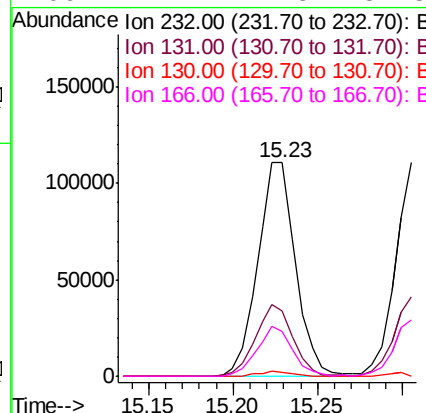
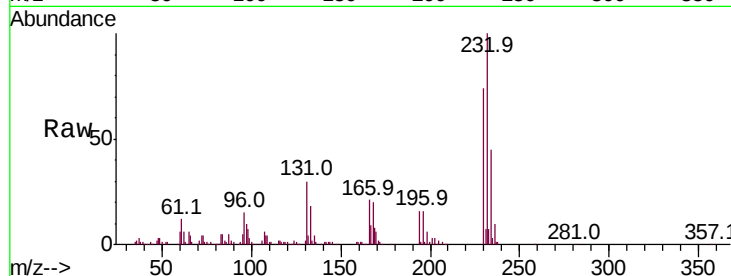




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 41.112 ng
 RT: 15.23 min Scan# 2066
 Delta R.T. -0.09 min
 Lab File: BG043062.D
 Acq: 5 Oct 2019 19:21

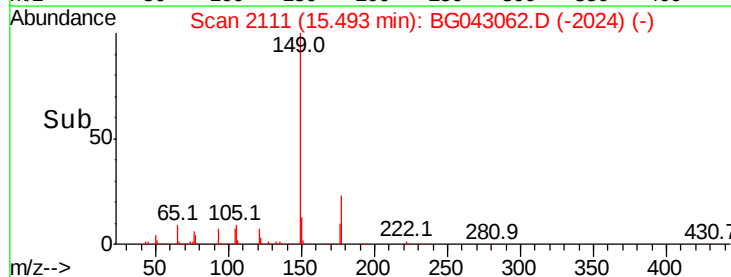
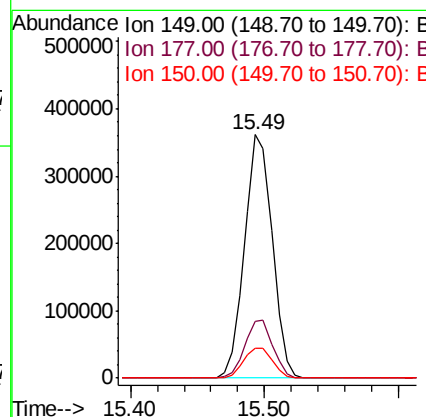
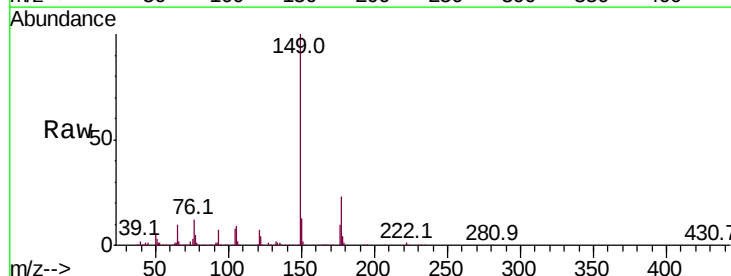
Instrument :
 BNA_G
 ClientSampleId :
 HR-05-100219MSD

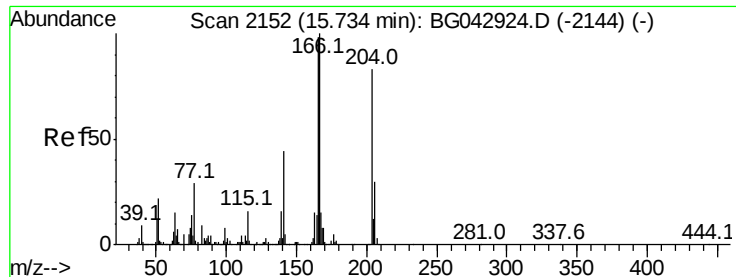
Tot Ion:	232	Resp:	171247
Ion	Ratio	Lower	Upper
232	100		
131	33.0	29.6	44.4
130	2.1	1.9	2.9
166	22.1	21.8	32.8



#60
 Diethylphthalate
 Concen: 39.282 ng
 RT: 15.49 min Scan# 2111
 Delta R.T. -0.02 min
 Lab File: BG043062.D
 Acq: 5 Oct 2019 19:21

Tgt Ion:	149	Resp:	516888
Ion	Ratio	Lower	Upper
149	100		
177	23.5	18.8	28.2
150	12.5	10.6	15.8

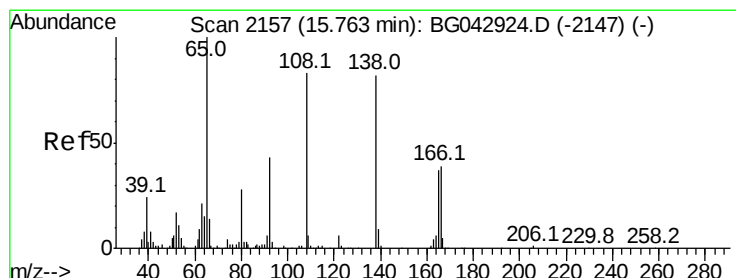
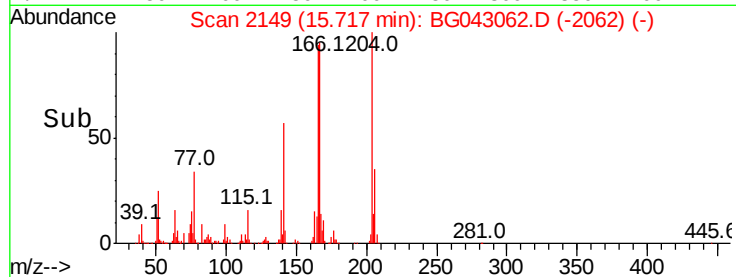
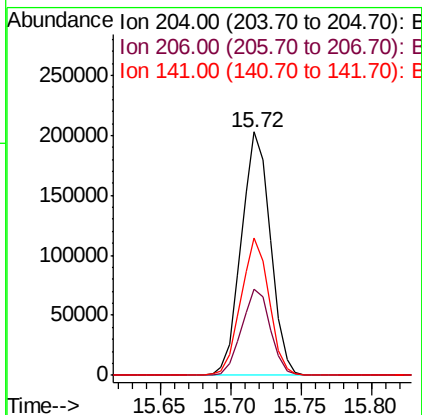
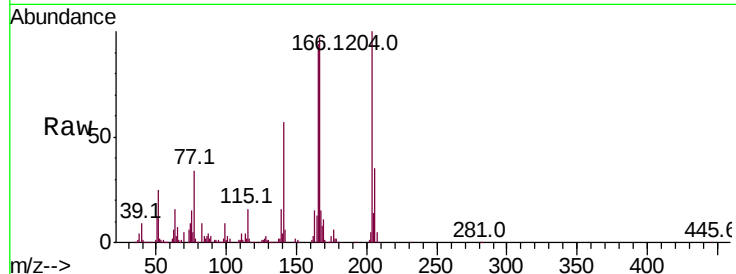




#61
4-Chlorophenyl-phenylether
Concen: 38.475 ng
RT: 15.72 min Scan# 2149
Delta R.T. -0.02 min
Lab File: BG043062.D
Acq: 5 Oct 2019 19:21

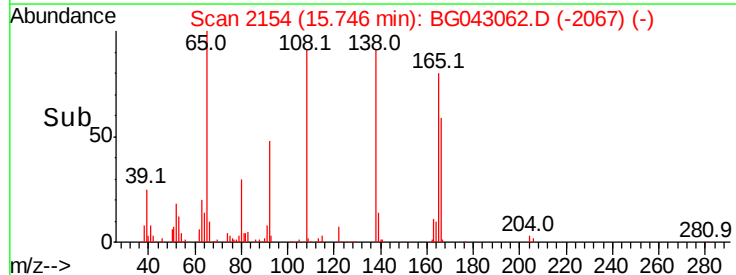
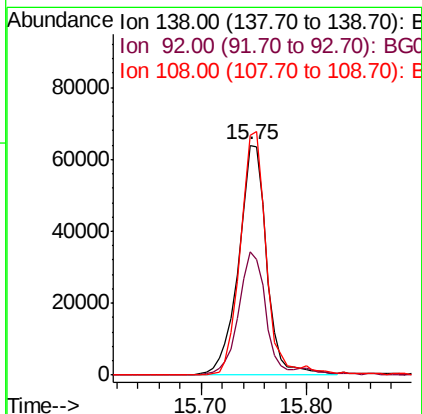
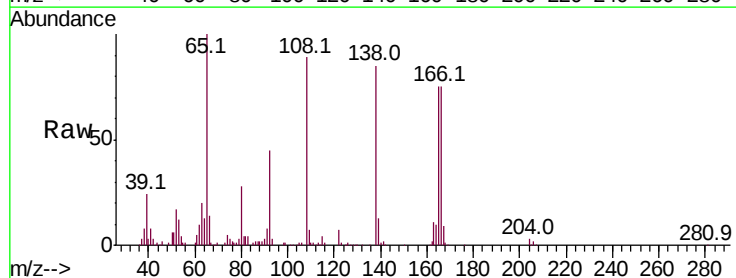
Instrument :
BNA_G
ClientSampleId :
HR-05-100219MSD

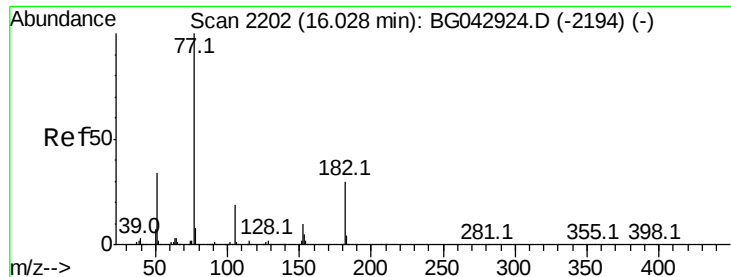
Tot Ion	Ratio	Lower	Upper
204	100		
206	35.3	28.5	42.7
141	56.5	42.4	63.6



#62
4-Nitroaniline
Concen: 38.059 ng
RT: 15.75 min Scan# 2154
Delta R.T. -0.02 min
Lab File: BG043062.D
Acq: 5 Oct 2019 19:21

Tgt Ion	Ratio	Lower	Upper
138	100		
92	53.5	32.9	72.9
108	104.6	81.3	121.3





#63

Azobenzene

Concen: 37.856 ng

RT: 16.01 min Scan# 2199

Delta R.T. -0.02 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

Instrument :

BNA_G

ClientSampleId :

HR-05-100219MSD

Tot Ion: 77 Resp: 453508

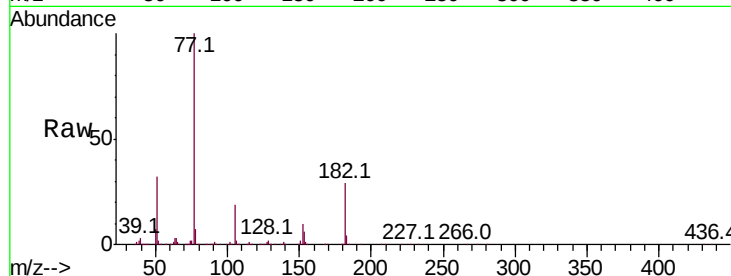
Ion Ratio Lower Upper

77 100

182 28.8 10.2 50.2

105 19.5 0.0 39.1

51 32.1 13.9 53.9

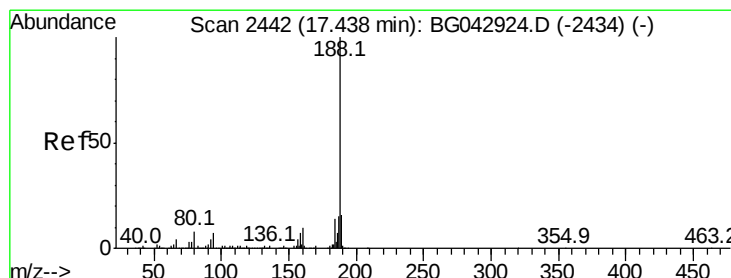
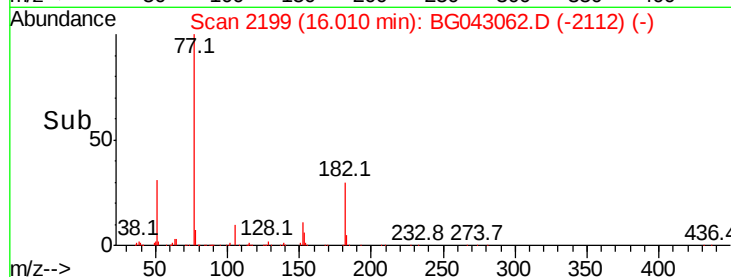
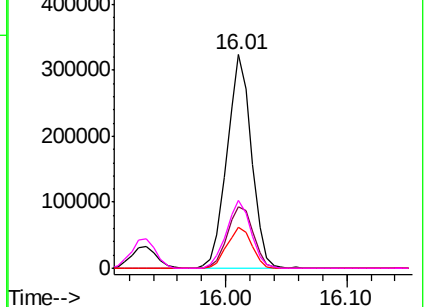


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.02 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

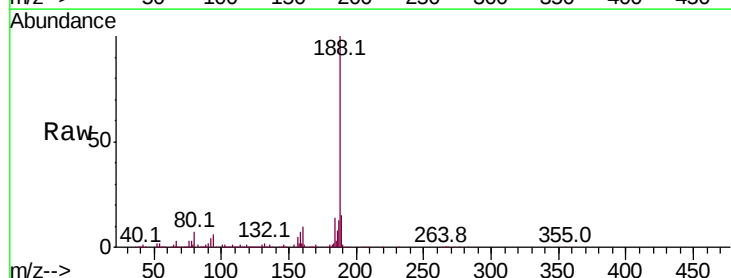
Tgt Ion: 188 Resp: 395888

Ion Ratio Lower Upper

188 100

94 6.3 5.7 8.5

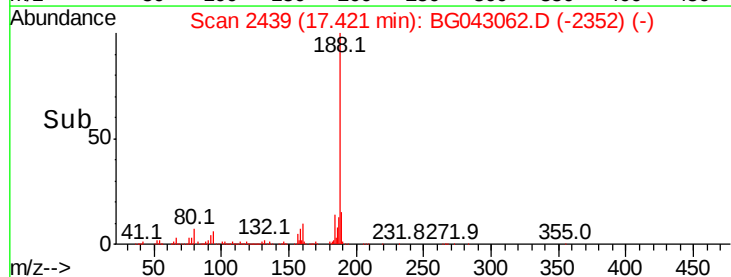
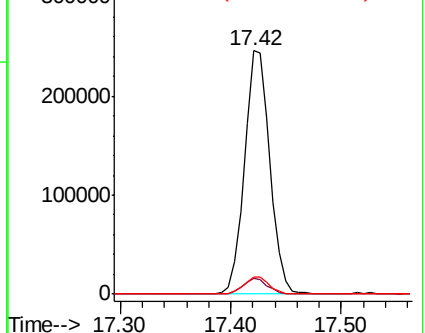
80 7.1 6.5 9.7

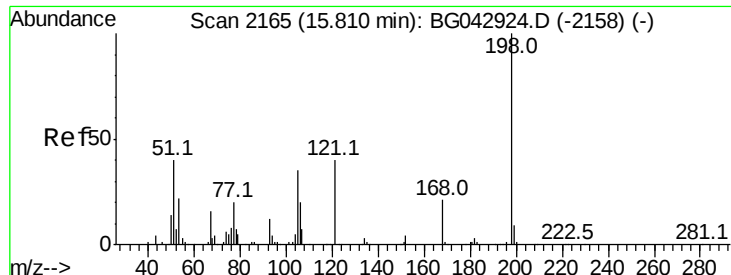


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 48.996 ng

RT: 15.80 min Scan# 2164

Delta R.T. -0.01 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

Instrument :

BNA_G

ClientSampleId :

HR-05-100219MSD

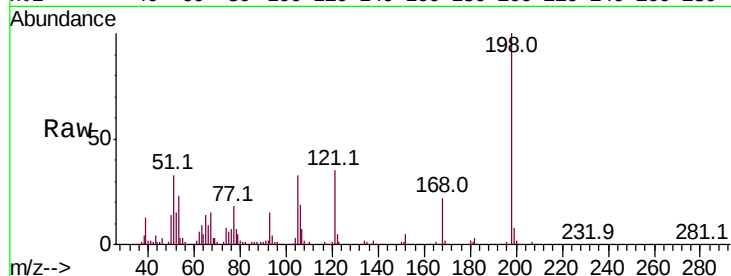
Tot Ion:198 Resp: 109760

Ion	Ratio	Lower	Upper
198	100		
51	33.4	25.3	65.3
105	33.0	16.6	56.6

198 100

51 33.4 25.3 65.3

105 33.0 16.6 56.6



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

80000

60000

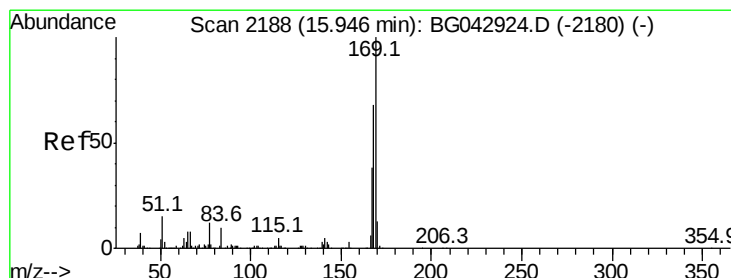
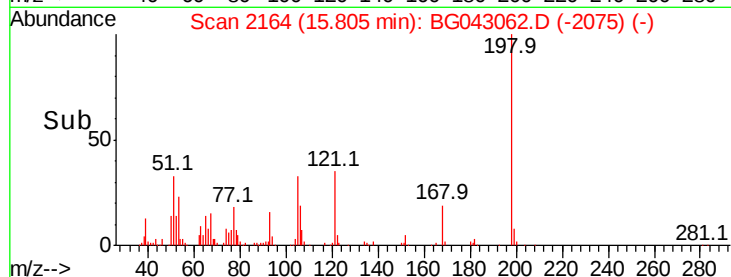
40000

20000

0

15.75 15.80 15.85

Time-->



#66

n-Nitrosodiphenylamine

Concen: 44.593 ng

RT: 15.93 min Scan# 2186

Delta R.T. -0.01 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

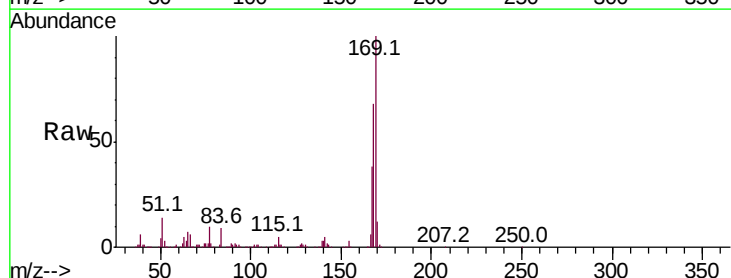
Tgt Ion:169 Resp: 466038

Ion	Ratio	Lower	Upper
169	100		
168	68.0	54.8	82.2
167	37.7	30.6	46.0

169 100

168 68.0 54.8 82.2

167 37.7 30.6 46.0



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

400000

300000

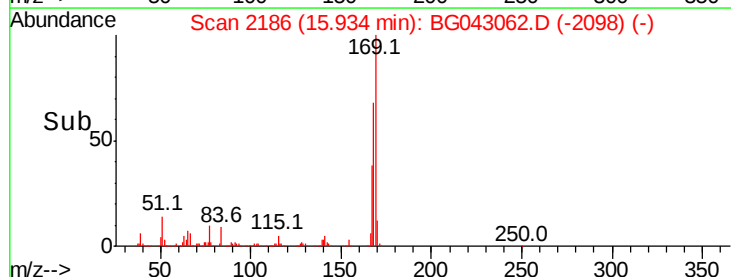
200000

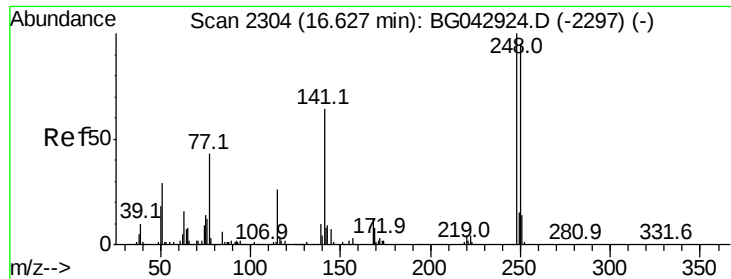
100000

0

15.90 15.93 16.00

Time-->

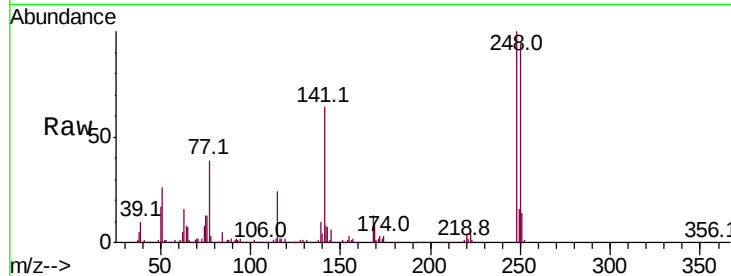




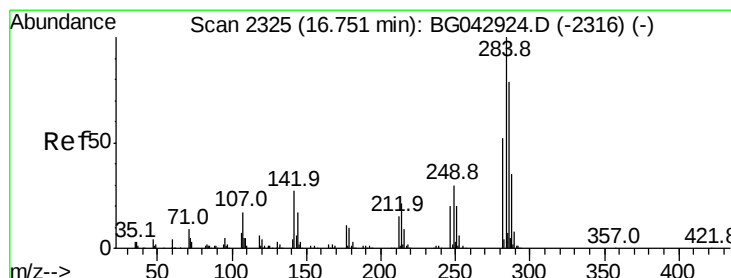
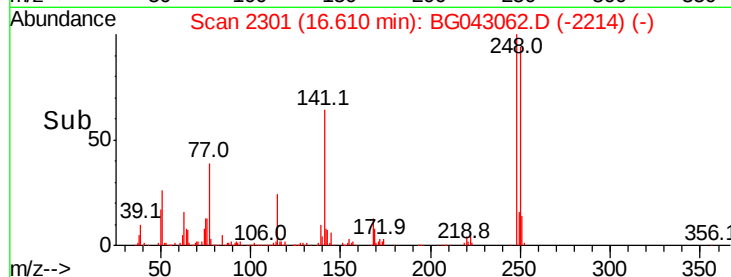
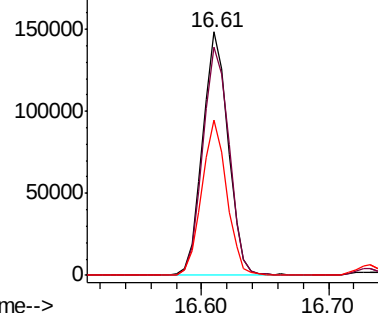
#67
4-Bromophenyl-phenylether
Concen: 41.508 ng
RT: 16.61 min Scan# 2301
Delta R.T. -0.02 min
Lab File: BG043062.D
Acq: 5 Oct 2019 19:21

Instrument :
BNA_G
ClientSampleId :
HR-05-100219MSD

Tot Ion:248 Resp: 206242
Ion Ratio Lower Upper
248 100
250 93.7 75.8 113.8
141 63.7 51.1 76.7

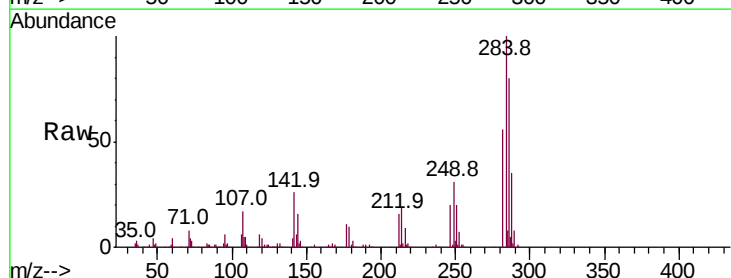


Abundance Ion 248.00 (247.70 to 248.70): E
200000 Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

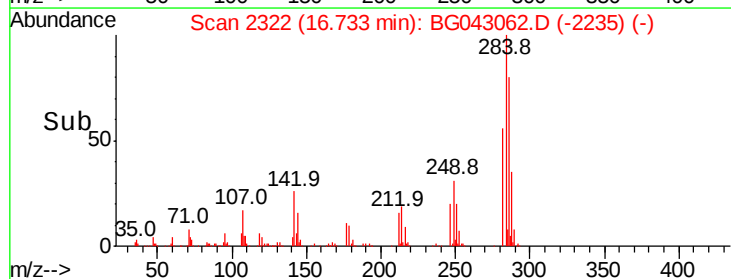
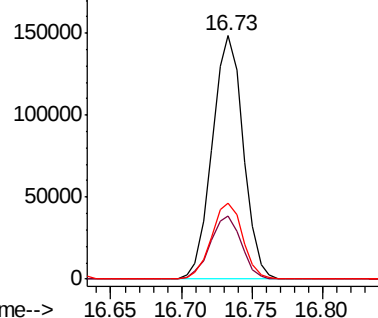


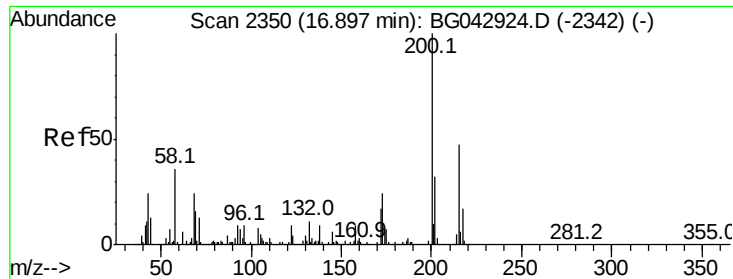
#68
Hexachlorobenzene
Concen: 41.235 ng
RT: 16.73 min Scan# 2322
Delta R.T. -0.02 min
Lab File: BG043062.D
Acq: 5 Oct 2019 19:21

Tgt Ion:284 Resp: 228127
Ion Ratio Lower Upper
284 100
142 25.9 21.6 32.4
249 31.4 24.1 36.1



Abundance Ion 283.80 (283.50 to 284.50): E
200000 Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 38.965 ng

RT: 16.88 min Scan# 2347

Delta R.T. -0.02 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

Instrument :

BNA_G

ClientSampleId :

HR-05-100219MSD

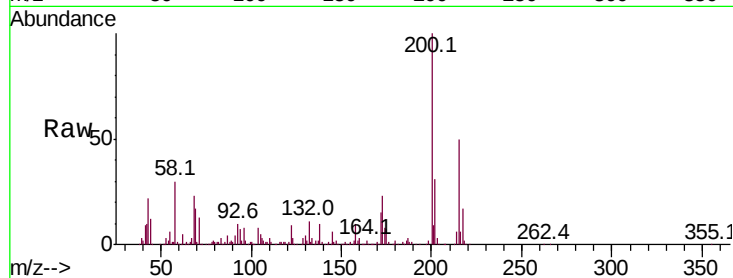
Tot Ion:200 Resp: 171478

Ion Ratio Lower Upper

200 100

173 23.0 4.0 44.0

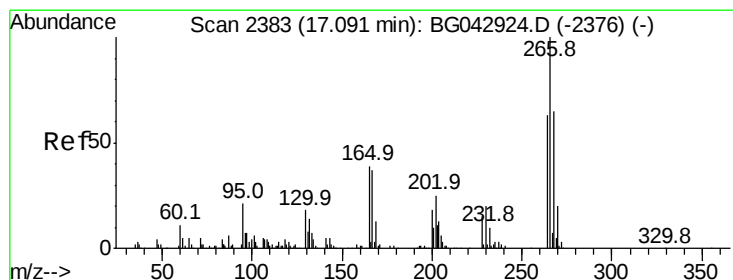
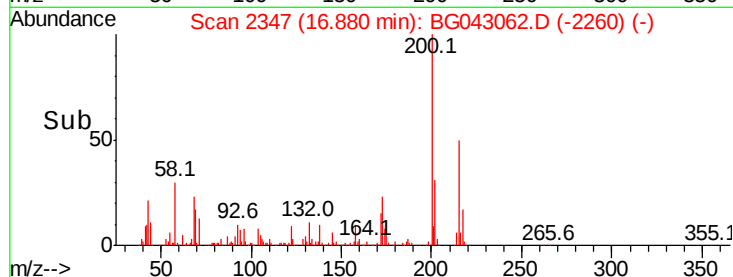
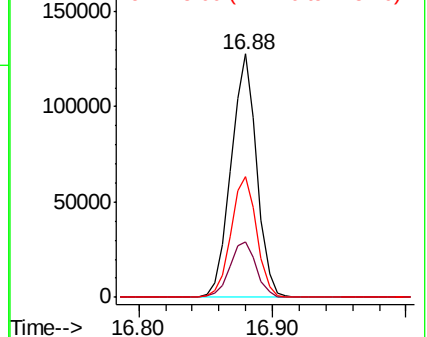
215 49.7 27.4 67.4



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 93.446 ng

RT: 17.08 min Scan# 2381

Delta R.T. -0.01 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

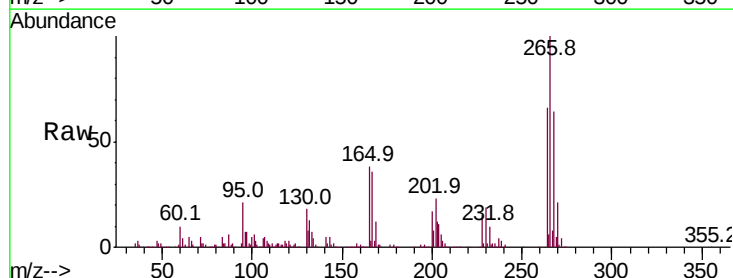
Tgt Ion:266 Resp: 298310

Ion Ratio Lower Upper

266 100

268 64.2 52.2 78.2

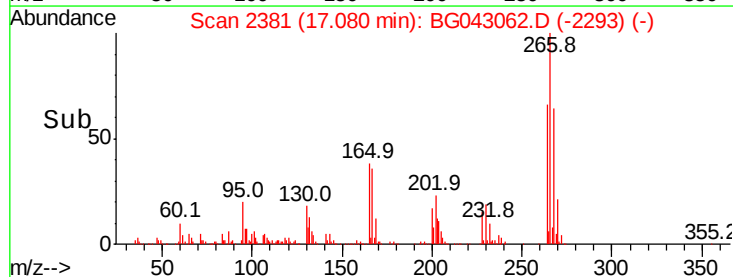
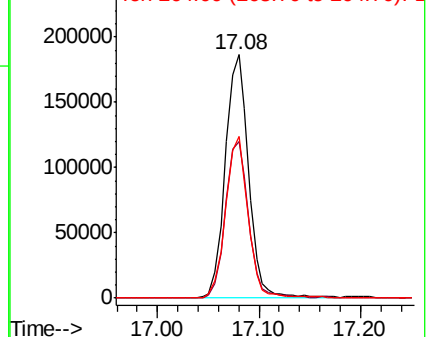
264 66.4 50.7 76.1

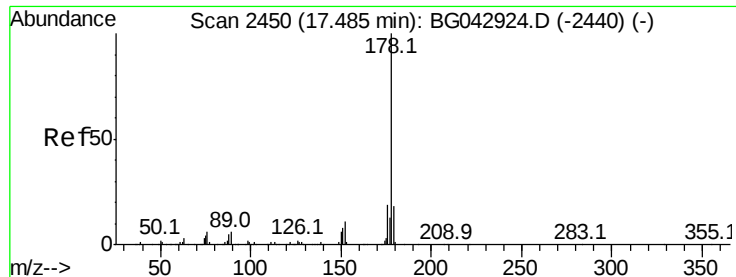


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 42.268 ng

RT: 17.47 min Scan# 2447

Delta R.T. -0.02 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

Instrument :

BNA_G

ClientSampleId :

HR-05-100219MSD

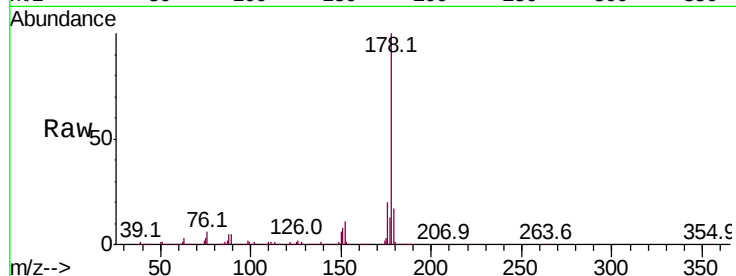
Tot Ion:178 Resp: 816937

Ion Ratio Lower Upper

178 100

176 19.6 15.1 22.7

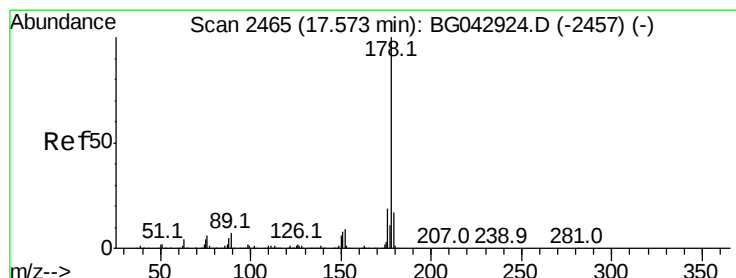
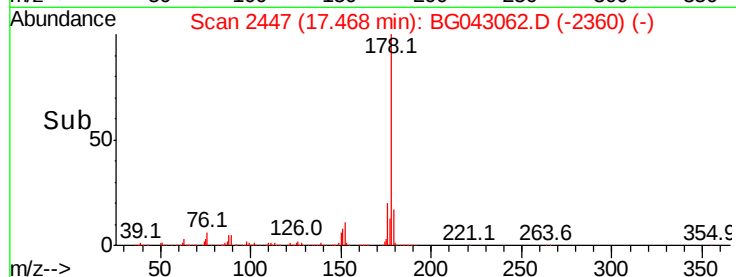
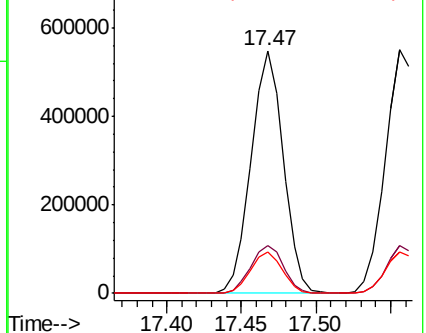
179 16.8 14.1 21.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 43.602 ng

RT: 17.56 min Scan# 2462

Delta R.T. -0.02 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

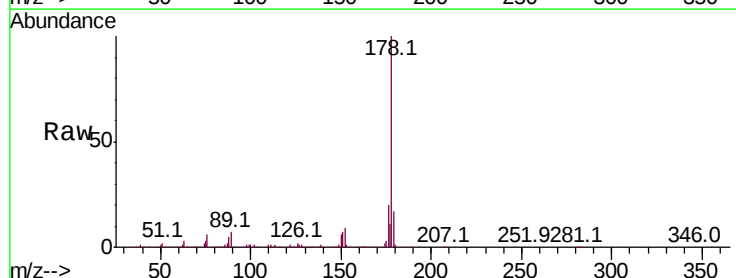
Tgt Ion:178 Resp: 841300

Ion Ratio Lower Upper

178 100

176 19.7 15.5 23.3

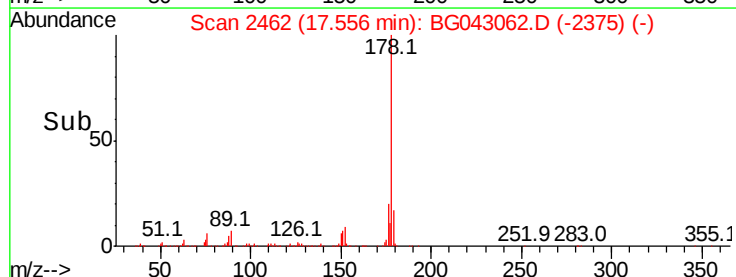
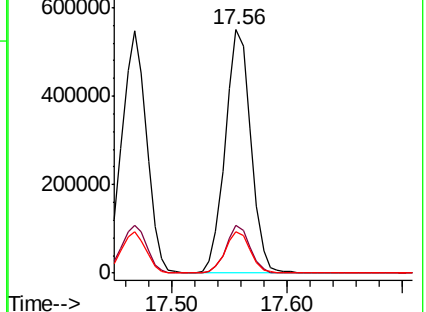
179 17.1 13.5 20.3

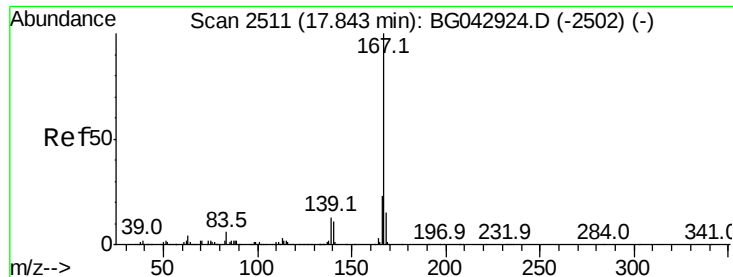


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

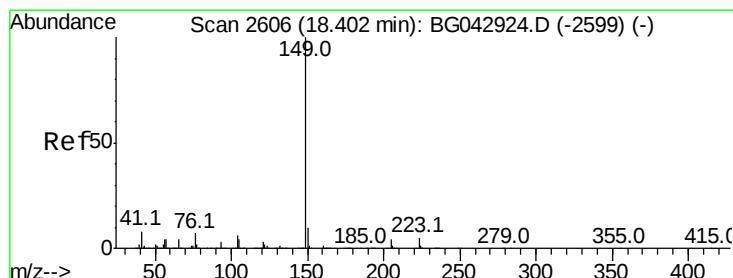
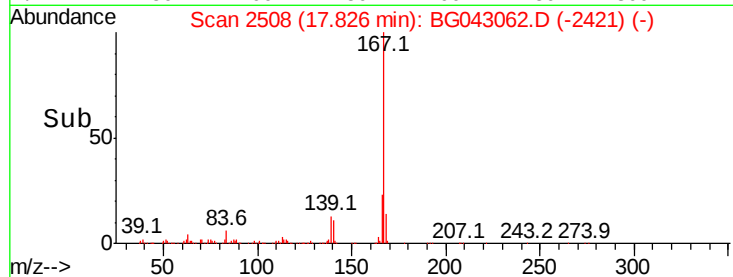
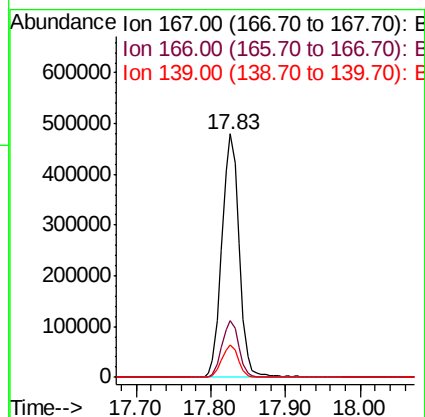
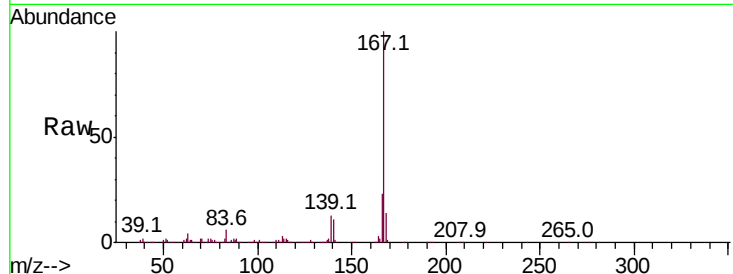




#73
 Carbazole
 Concen: 43.226 ng
 RT: 17.83 min Scan# 2508
 Delta R.T. -0.02 min
 Lab File: BG043062.D
 Acq: 5 Oct 2019 19:21

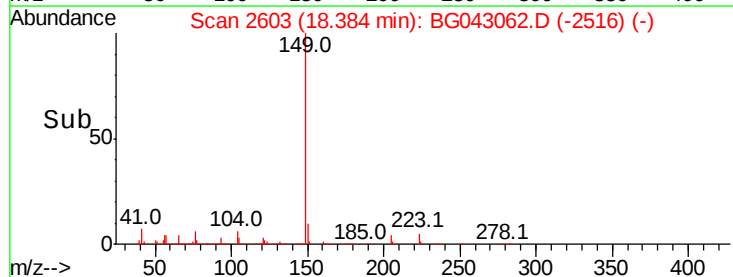
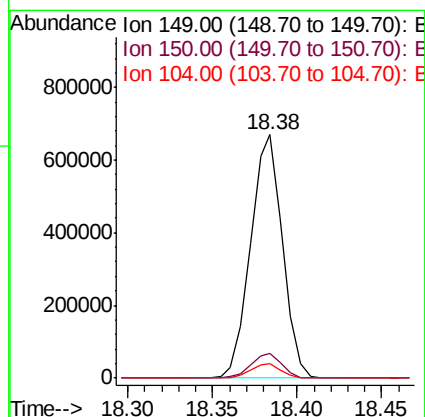
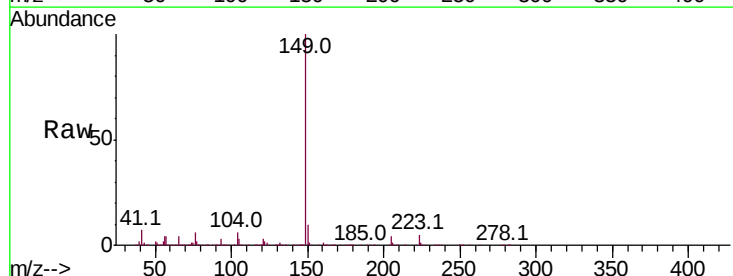
Instrument :
 BNA_G
 ClientSampleId :
 HR-05-100219MSD

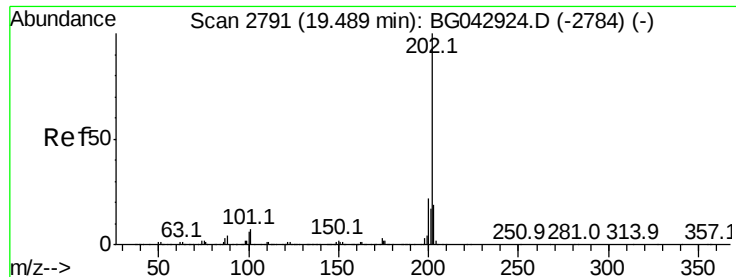
Tot Ion	Ratio	Lower	Upper
167	100		
166	23.3	18.6	28.0
139	13.2	10.8	16.2



#74
 Di-n-butylphthalate
 Concen: 41.105 ng
 RT: 18.38 min Scan# 2603
 Delta R.T. -0.02 min
 Lab File: BG043062.D
 Acq: 5 Oct 2019 19:21

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.9	7.7	11.5
104	5.9	5.0	7.6





#75

Fluoranthene

Concen: 41.829 ng

RT: 19.47 min Scan# 2788

Delta R.T. -0.02 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

Instrument :

BNA_G

ClientSampleId :

HR-05-100219MSD

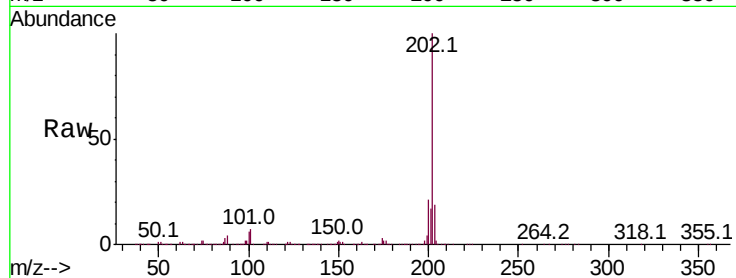
Tot Ion:202 Resp: 1069326

Ion Ratio Lower Upper

202 100

101 6.9 0.0 27.3

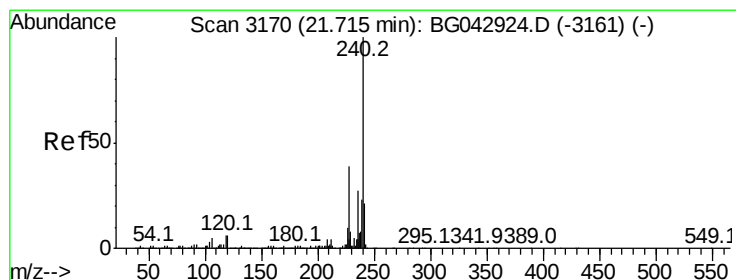
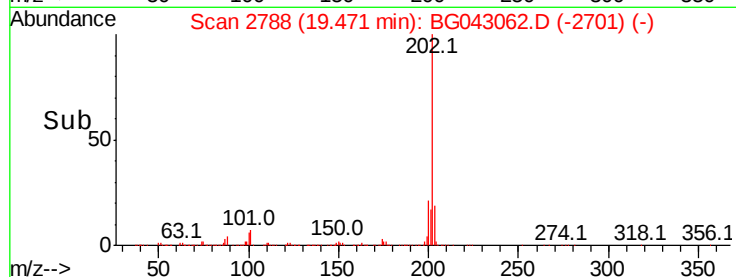
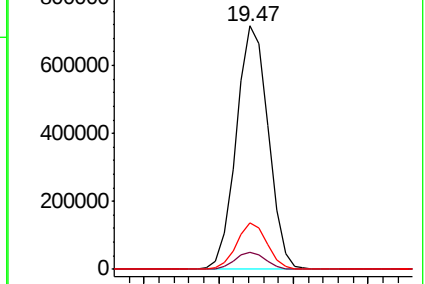
203 18.9 0.0 39.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.69 min Scan# 3166

Delta R.T. -0.02 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

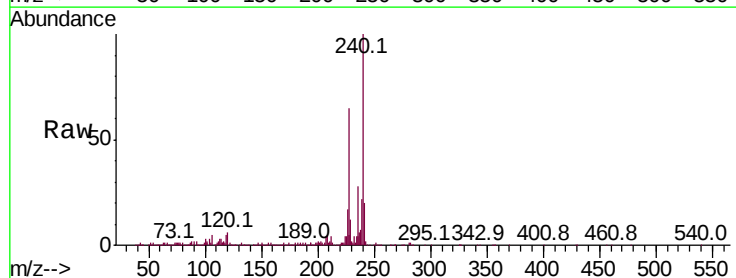
Tgt Ion:240 Resp: 430453

Ion Ratio Lower Upper

240 100

120 6.0 4.8 7.2

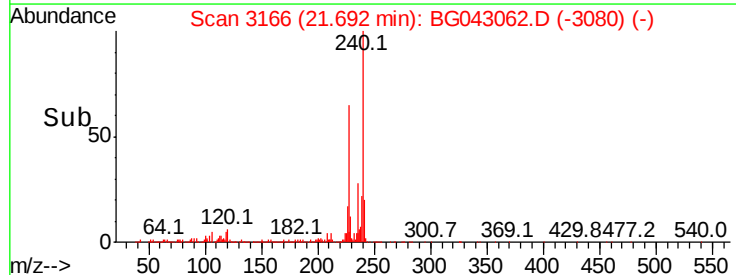
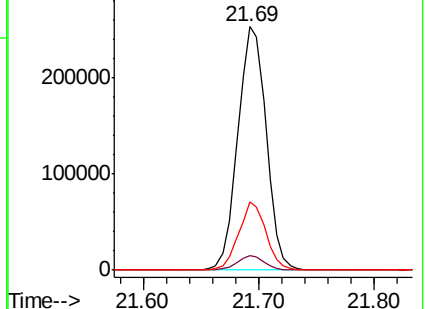
236 27.8 21.4 32.0

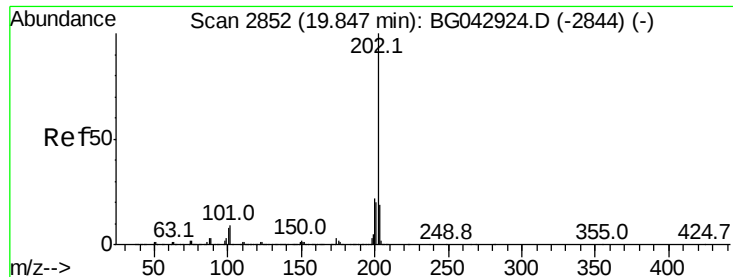


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 42.338 ng

RT: 19.84 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

Instrument :

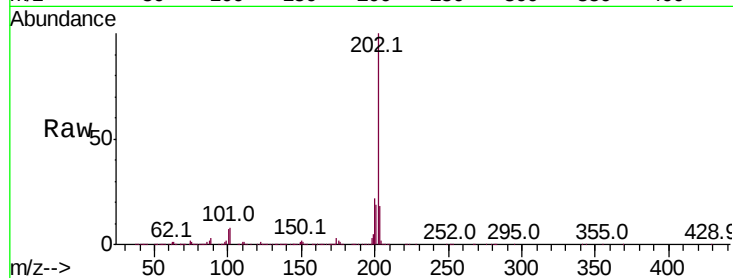
BNA_G

ClientSampleId :

HR-05-100219MSD

Tot Ion:202 Resp: 1087741

Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.6	26.4
203	17.9	15.2	22.8

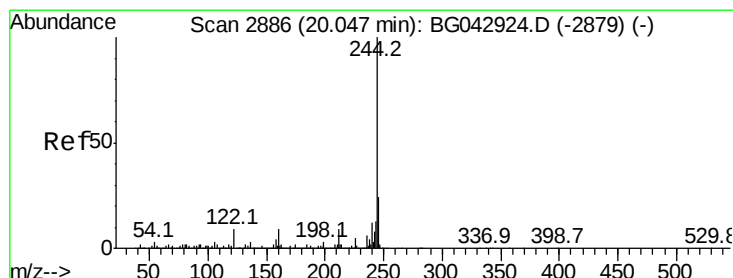
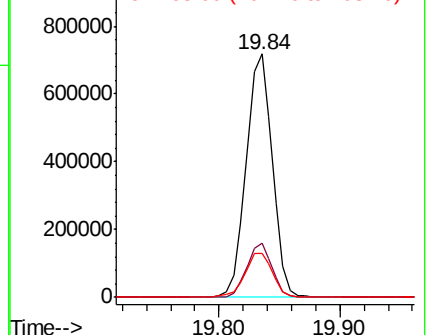
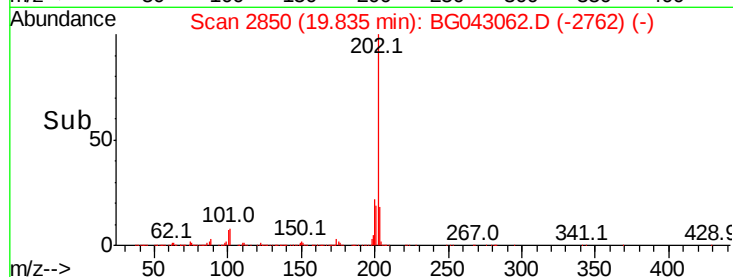


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 86.806 ng

RT: 20.03 min Scan# 2883

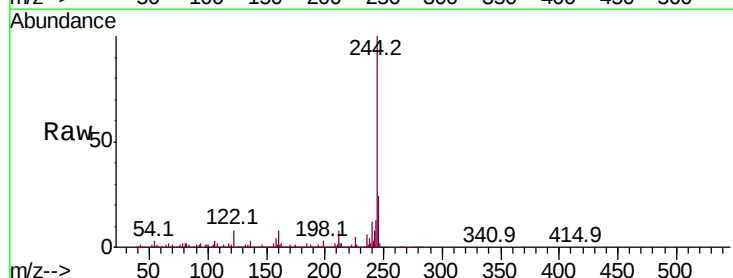
Delta R.T. -0.02 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

Tgt Ion:244 Resp: 1753545

Ion	Ratio	Lower	Upper
244	100		
212	8.3	7.4	11.0
122	7.6	7.0	10.4

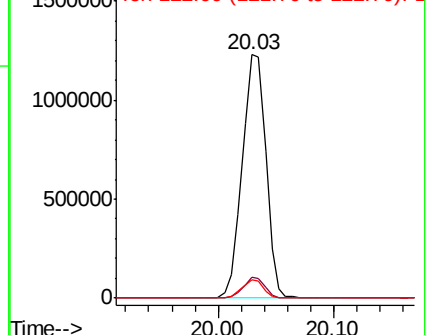
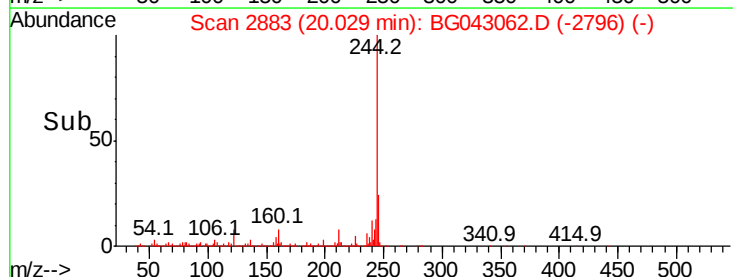


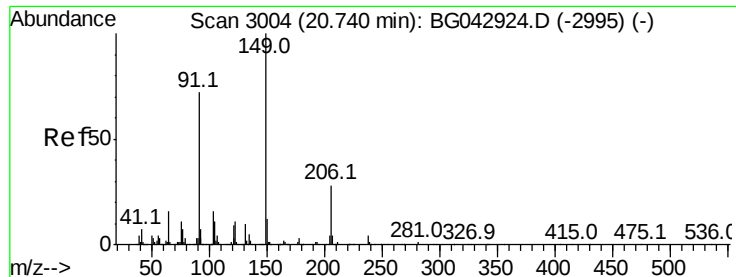
Abundance

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

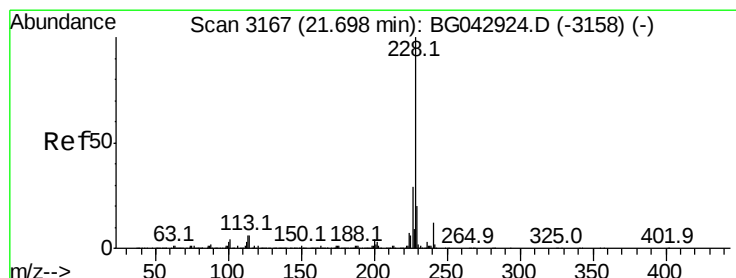
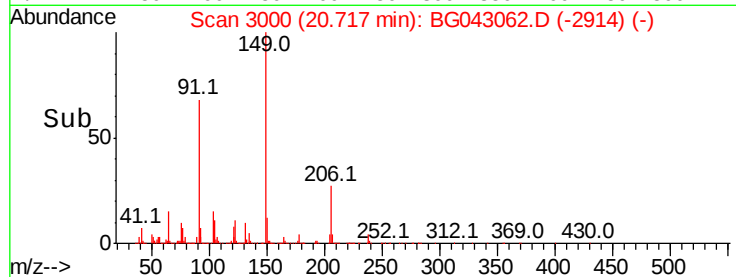
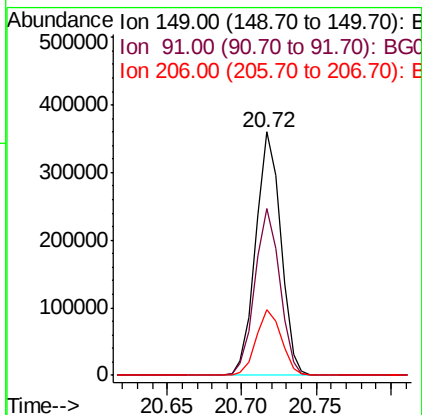
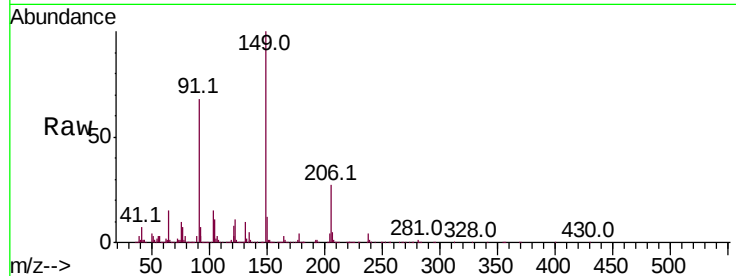




#80
Butylbenzylphthalate
Concen: 42.655 ng
RT: 20.72 min Scan# 3000
Delta R.T. -0.02 min
Lab File: BG043062.D
Acq: 5 Oct 2019 19:21

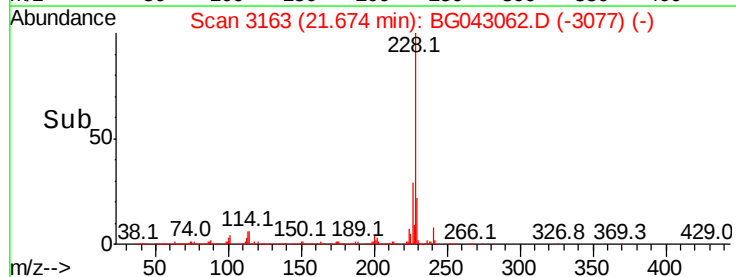
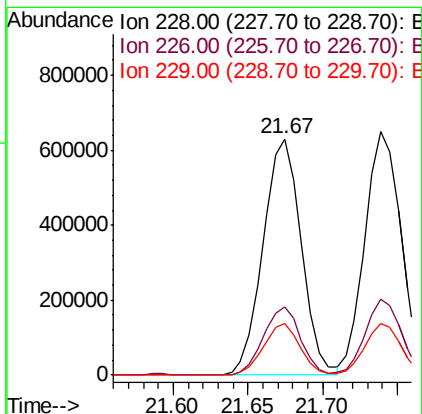
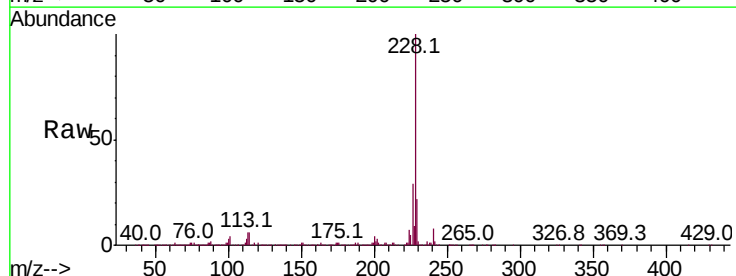
Instrument :
BNA_G
ClientSampleId :
HR-05-100219MSD

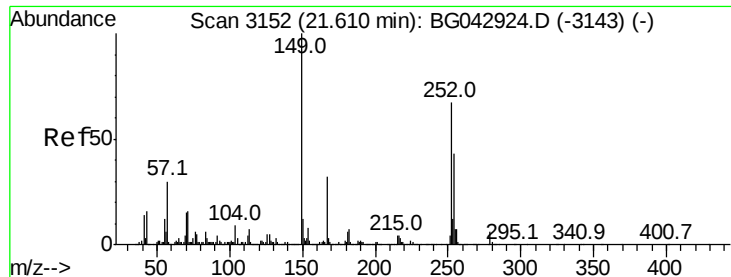
Tot Ion:149 Resp: 415974
Ion Ratio Lower Upper
149 100
91 68.4 57.7 86.5
206 26.9 22.6 33.8



#81
Benzo(a)anthracene
Concen: 41.738 ng
RT: 21.67 min Scan# 3163
Delta R.T. -0.02 min
Lab File: BG043062.D
Acq: 5 Oct 2019 19:21

Tgt Ion:228 Resp: 1119462
Ion Ratio Lower Upper
228 100
226 28.7 23.0 34.4
229 21.8 16.3 24.5

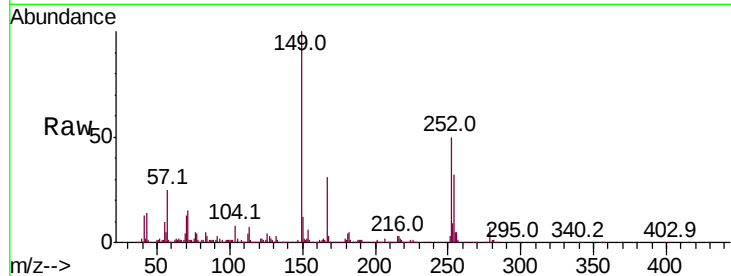




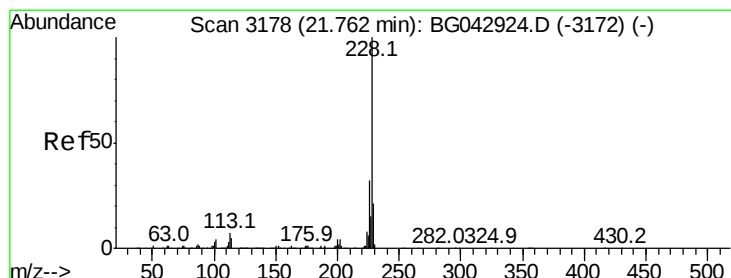
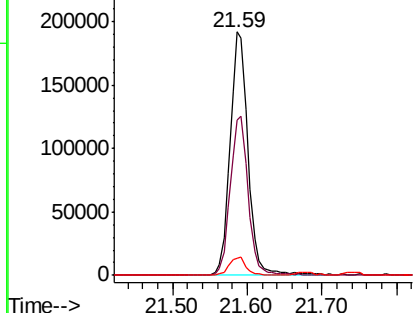
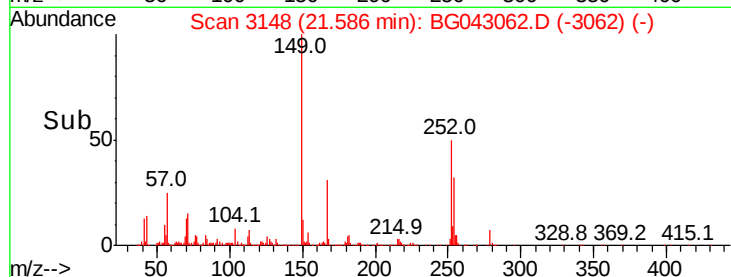
#82
 3,3'-Dichlorobenzidine
 Concen: 30.828 ng
 RT: 21.59 min Scan# 3148
 Delta R.T. -0.02 min
 Lab File: BG043062.D
 Acq: 5 Oct 2019 19:21

Instrument :
 BNA_G
 ClientSampleId :
 HR-05-100219MSD

Tot Ion:252 Resp: 324302
 Ion Ratio Lower Upper
 252 100
 254 64.0 51.9 77.9
 126 7.2 6.1 9.1

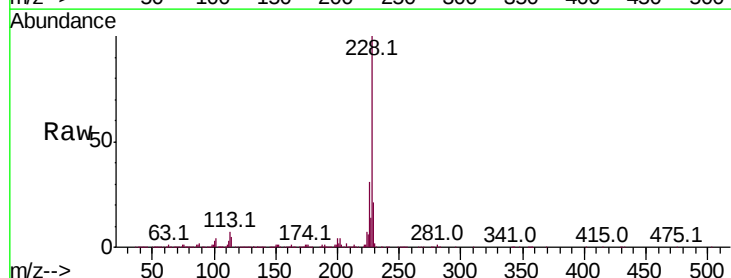


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

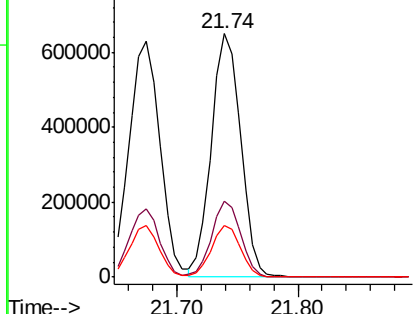
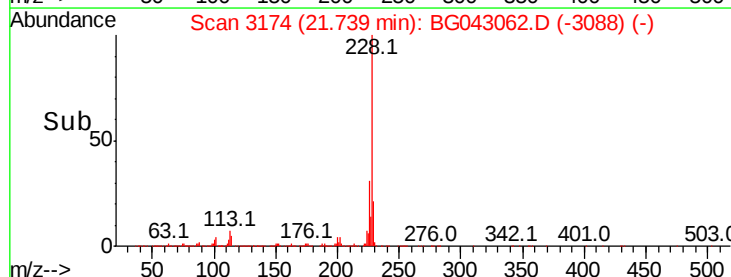


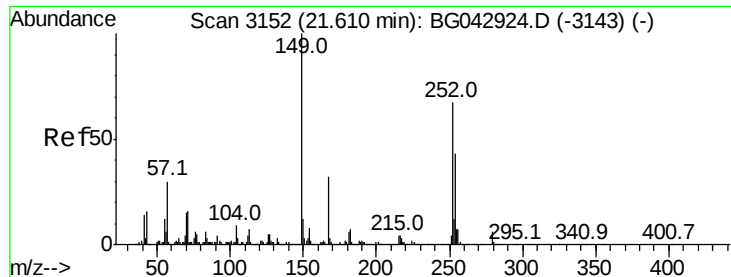
#83
 Chrysene
 Concen: 41.798 ng
 RT: 21.74 min Scan# 3174
 Delta R.T. -0.02 min
 Lab File: BG043062.D
 Acq: 5 Oct 2019 19:21

Tgt Ion:228 Resp: 1087924
 Ion Ratio Lower Upper
 228 100
 226 31.4 25.6 38.4
 229 21.1 16.9 25.3



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 43.045 ng

RT: 21.58 min Scan# 3147

Delta R.T. -0.03 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

Instrument :

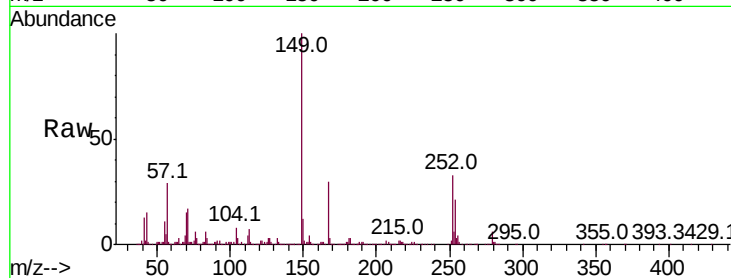
BNA_G

ClientSampleId :

HR-05-100219MSD

Tot Ion:149 Resp: 597324

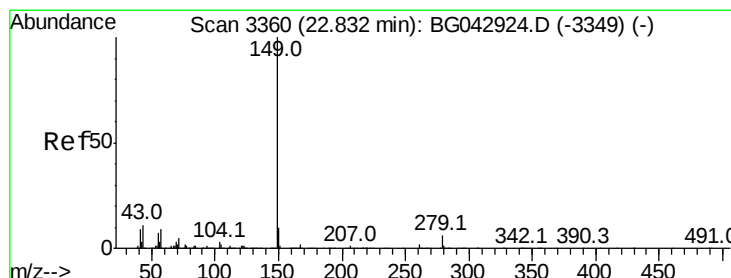
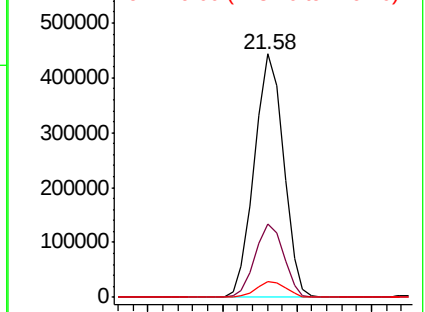
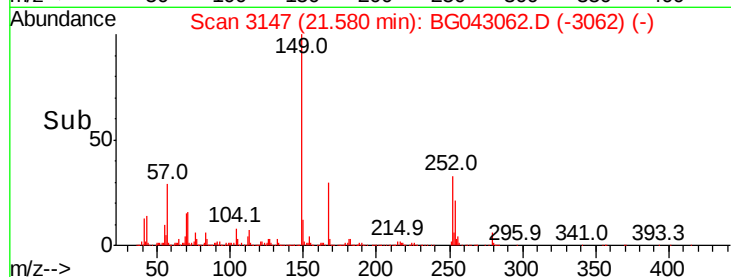
Ion	Ratio	Lower	Upper
149	100		
167	30.3	25.4	38.2
279	6.3	5.1	7.7



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: 44.542 ng

RT: 22.79 min Scan# 3353

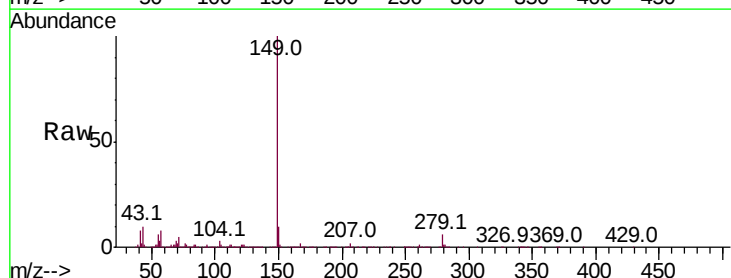
Delta R.T. -0.04 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

Tgt Ion:149 Resp: 1010706

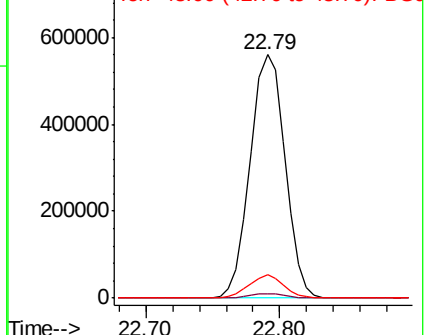
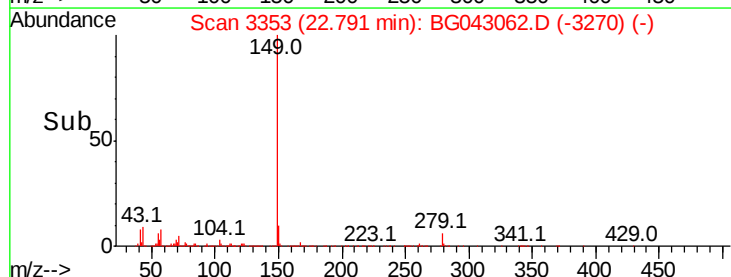
Ion	Ratio	Lower	Upper
149	100		
167	1.8	1.4	2.0
43	9.2	8.7	13.1

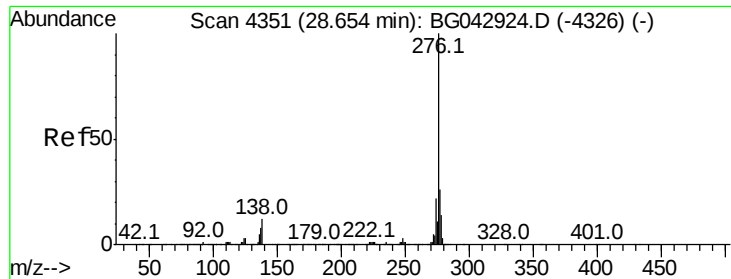


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



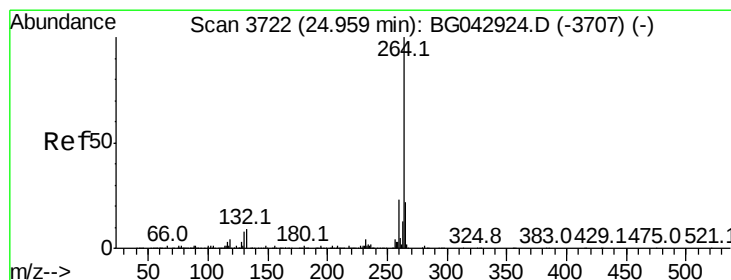
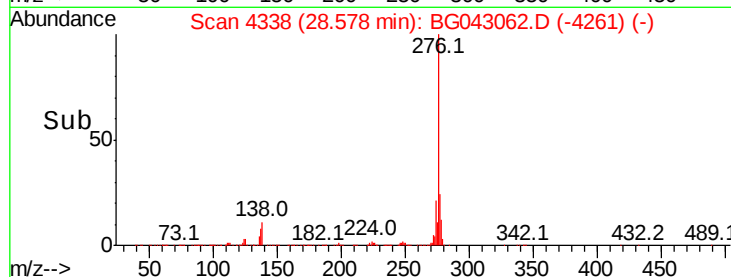
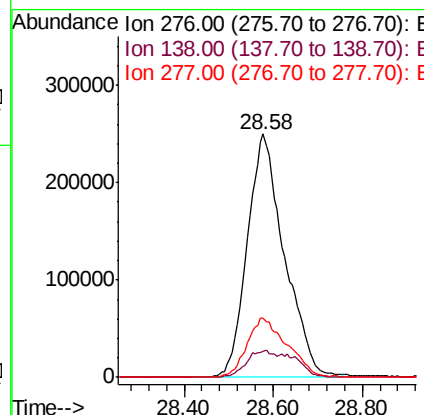
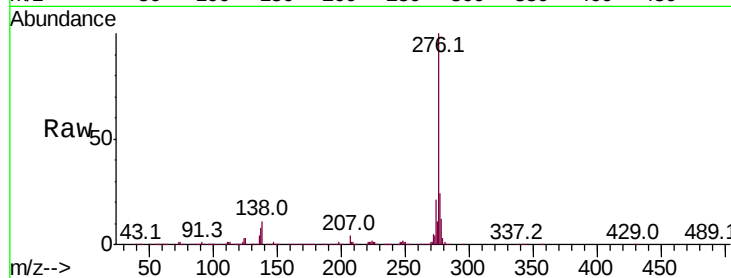


#86
 Indeno(1,2,3-cd)pyrene
 Concen: 44.232 ng
 RT: 28.58 min Scan# 4338
 Delta R.T. -0.08 min
 Lab File: BG043062.D
 Acq: 5 Oct 2019 19:21

Instrument :
 BNA_G
 ClientSampleId :
 HR-05-100219MSD

Tot Ion:276 Resp: 1433238

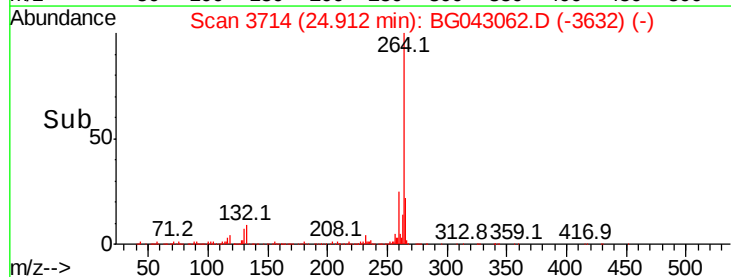
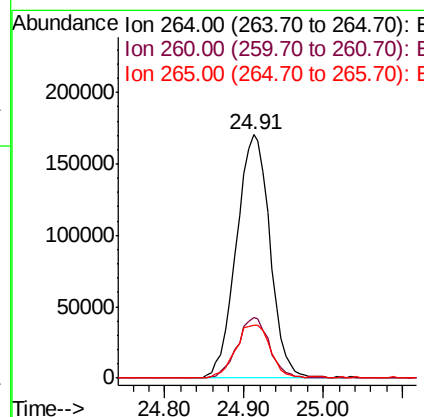
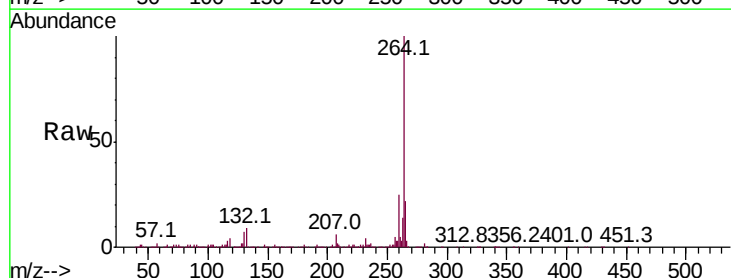
Ion	Ratio	Lower	Upper
276	100		
138	8.3	7.0	10.6
277	26.4	20.9	31.3

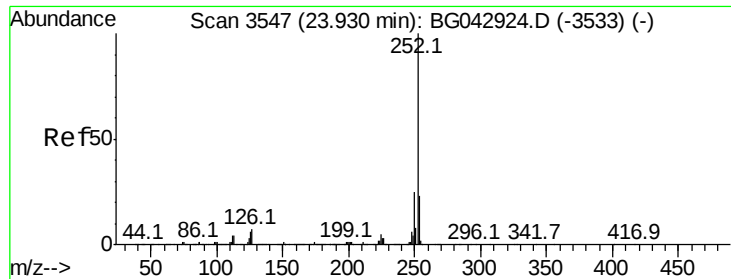


#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.91 min Scan# 3714
 Delta R.T. -0.05 min
 Lab File: BG043062.D
 Acq: 5 Oct 2019 19:21

Tgt Ion:264 Resp: 500230

Ion	Ratio	Lower	Upper
264	100		
260	24.7	18.7	28.1
265	21.9	17.7	26.5





#88

Benzo(b)fluoranthene

Concen: 42.481 ng

RT: 23.89 min Scan# 3540

Delta R.T. -0.04 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

Instrument :

BNA_G

ClientSampleId :

HR-05-100219MSD

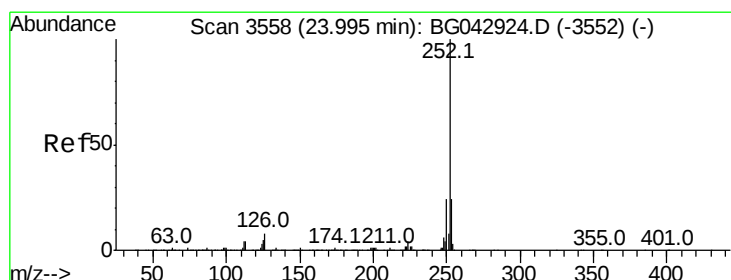
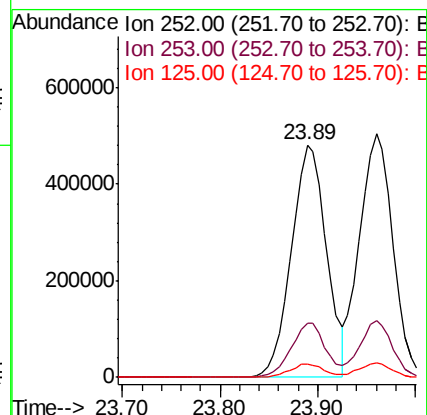
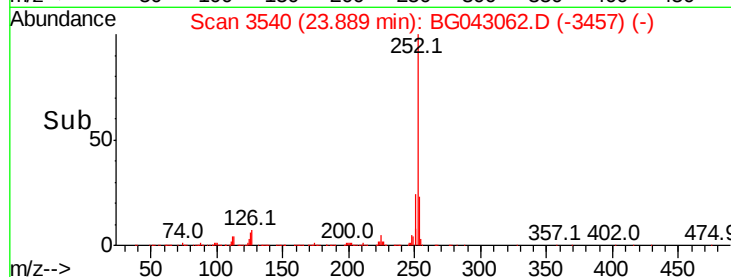
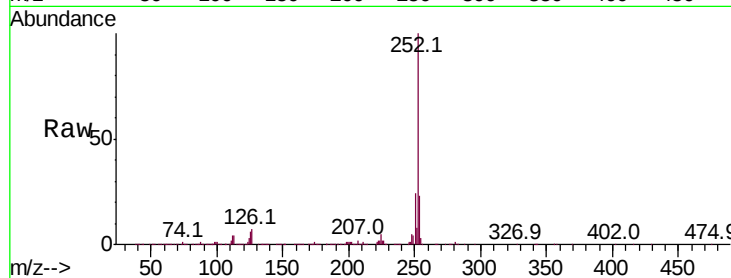
Tot Ion:252 Resp: 1202388

Ion Ratio Lower Upper

252 100

253 23.4 18.2 27.2

125 5.8 4.6 7.0



#89

Benzo(k)fluoranthene

Concen: 42.421 ng

RT: 23.96 min Scan# 3552

Delta R.T. -0.04 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

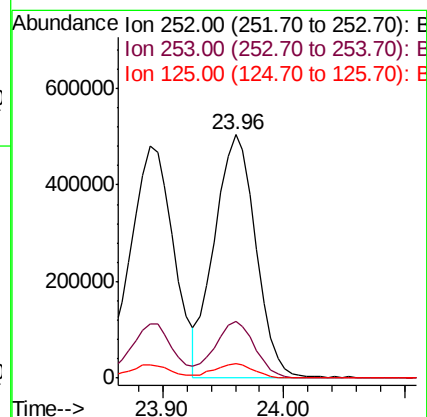
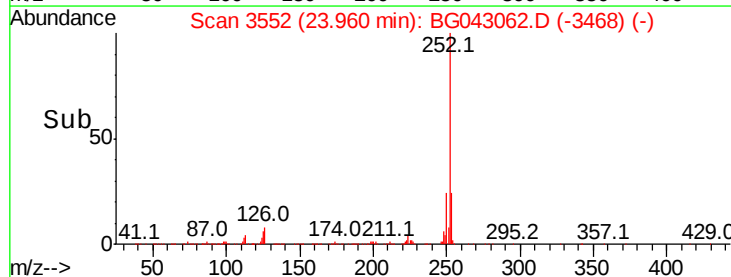
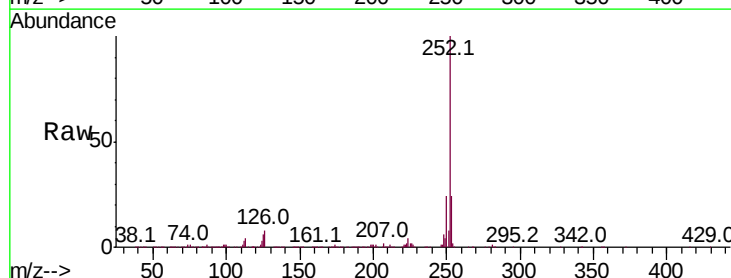
Tgt Ion:252 Resp: 1187813

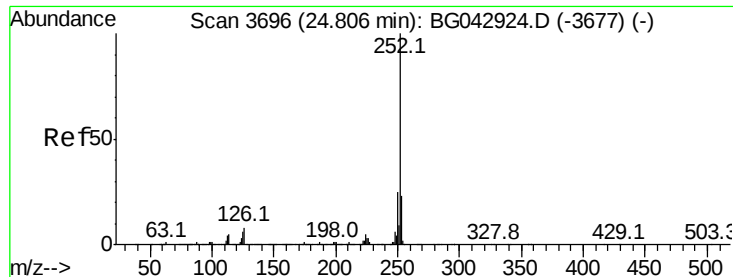
Ion Ratio Lower Upper

252 100

253 23.5 18.9 28.3

125 5.7 4.5 6.7





#90

Benzo(a)pyrene

Concen: 44.321 ng

RT: 24.76 min Scan# 3689

Delta R.T. -0.04 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

Instrument :

BNA_G

ClientSampleId :

HR-05-100219MSD

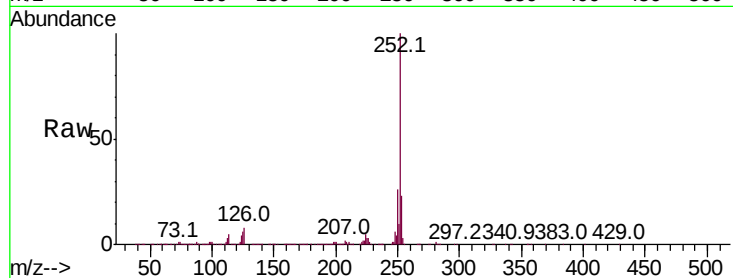
Tot Ion:252 Resp: 1183552

Ion Ratio Lower Upper

252 100

253 23.0 18.2 27.4

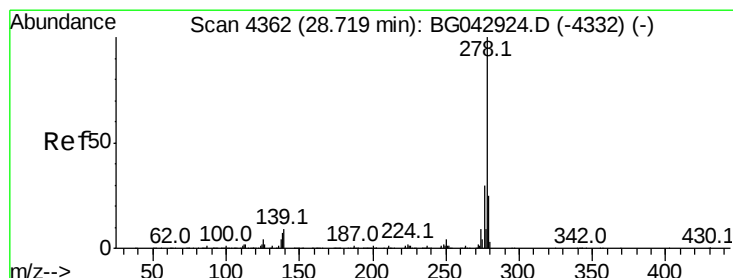
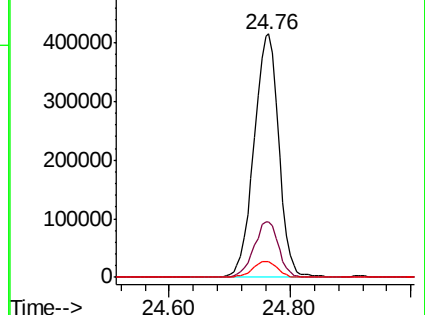
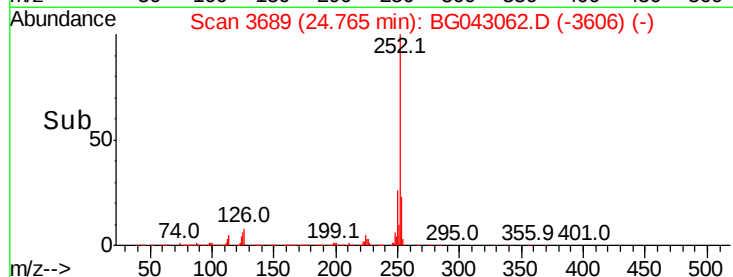
125 6.2 5.0 7.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 44.560 ng

RT: 28.65 min Scan# 4350

Delta R.T. -0.07 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

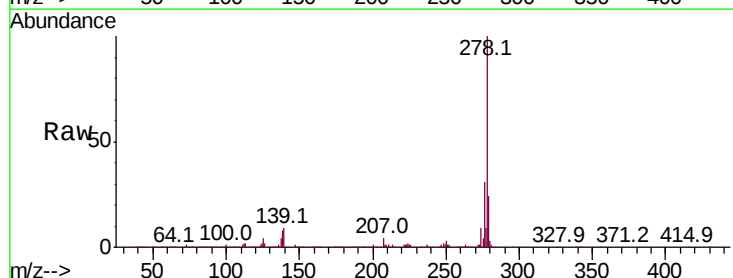
Tgt Ion:278 Resp: 1220186

Ion Ratio Lower Upper

278 100

139 8.7 6.8 10.2

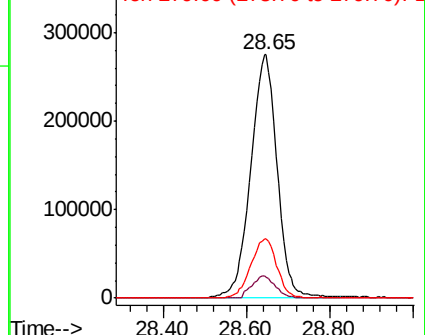
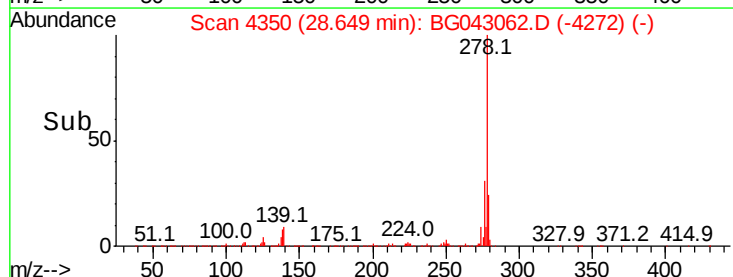
279 24.2 20.1 30.1

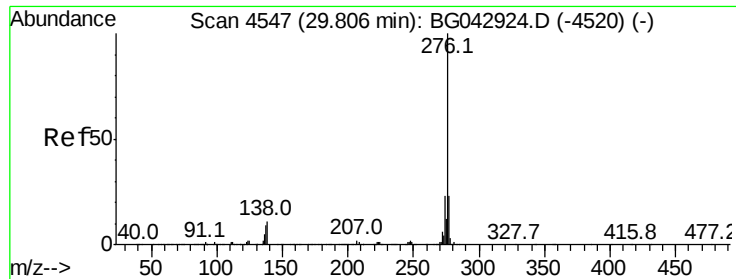


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 44.866 ng

RT: 29.73 min Scan# 4534

Delta R.T. -0.08 min

Lab File: BG043062.D

Acq: 5 Oct 2019 19:21

Instrument :

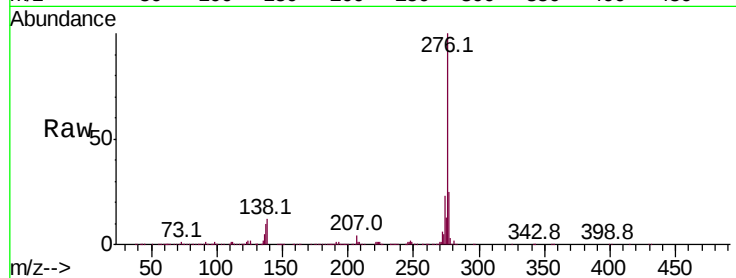
BNA_G

ClientSampleId :

HR-05-100219MSD

Tot Ion:276 Resp: 1190367

Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.4	27.6
138	11.6	8.6	12.8

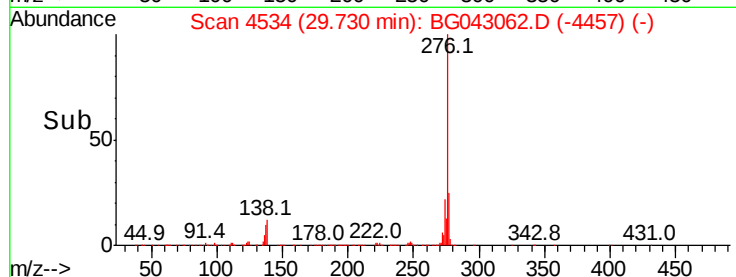


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E



Time-->