

Data File : BG042265.D
Acq On : 16 Aug 2019 18:35
Operator : HP/JU
Sample : K4264-01MSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
REACTOR-3-C1-C4-(0-2)MSD

Quant Time: Aug 16 23:59:58 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG072719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 31 08:57:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	57849	20.00	ng	-0.03
21) Naphthalene-d8	10.83	136	218466	20.00	ng	-0.04
39) Acenaphthene-d10	14.68	164	163328	20.00	ng	-0.03
64) Phenanthrene-d10	17.43	188	387098	20.00	ng	-0.02
76) Chrysene-d12	21.71	240	425224	20.00	ng	-0.02
87) Perylene-d12	24.97	264	514515	20.00	ng	-0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	375903	126.43	ng	-0.02
7) Phenol-d6	7.18	99	469996	117.25	ng	-0.02
23) Nitrobenzene-d5	9.18	82	311359	98.08	ng	-0.03
42) 2,4,6-Tribromophenol	16.17	330	341087	183.86	ng	-0.02
45) 2-Fluorobiphenyl	13.30	172	953983	103.02	ng	-0.03
79) Terphenyl-d14	20.04	244	1830442	98.50	ng	-0.03

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.44	88	39676	28.351	ng	# 51
3) Pyridine	3.85	79	72545	18.904	ng	# 76
4) n-Nitrosodimethylamine	3.75	42	43383	28.517	ng	# 74
6) Aniline	7.33	93	93917	16.639	ng	# 92
8) 2-Chlorophenol	7.58	128	156500	45.966	ng	87
9) Benzaldehyde	7.14	77	56080	19.883	ng	82
10) Phenol	7.20	94	155890	37.382	ng	96
11) bis(2-Chloroethyl)ether	7.43	93	132080	38.526	ng	84
12) 1,3-Dichlorobenzene	8.05	146	169194	38.076	ng	97
13) 1,4-Dichlorobenzene	8.05	146	169194	38.052	ng	96
14) 1,2-Dichlorobenzene	8.37	146	161519	38.070	ng	94
15) Benzyl Alcohol	8.25	79	116388	36.907	ng	96
16) 2,2'-oxybis(1-Chloropropan	8.54	45	165377	27.114	ng	88
17) 2-Methylphenol	8.46	107	126152	41.596	ng	94
18) Hexachloroethane	9.11	117	55186	36.244	ng	87
19) n-Nitroso-di-n-propylamine	8.82	70	101539	34.891	ng	# 81
20) 3+4-Methylphenols	8.79	107	170551	41.094	ng	97
22) Acetophenone	8.84	105	219809	44.982	ng	# 86
24) Nitrobenzene	9.22	77	148211	44.315	ng	91
25) Isophorone	9.75	82	292882	42.410	ng	96
26) 2-Nitrophenol	9.94	139	95343	61.424	ng	# 88
27) 2,4-Dimethylphenol	10.01	122	151069	55.144	ng	95
28) bis(2-Chloroethoxy)methane	10.23	93	180072	41.726	ng	98
29) 2,4-Dichlorophenol	10.49	162	181544	54.417	ng	96
30) 1,2,4-Trichlorobenzene	10.70	180	190800	45.100	ng	97
31) Naphthalene	10.89	128	467398	46.747	ng	97
32) Benzoic acid	10.15	122	57523	32.776	ng	93
33) 4-Chloroaniline	11.00	127	29731	6.270	ng	# 92
34) Hexachlorobutadiene	11.17	225	120091	42.059	ng	98
35) Caprolactam	11.77	113	15559	13.420	ng	# 60
36) 4-Chloro-3-methylphenol	12.13	107	173034	52.315	ng	97
37) 2-Methylnaphthalene	12.50	142	379668	47.973	ng	98
38) 1-Methylnaphthalene	12.72	142	361660	48.221	ng	98
40) 1,2,4,5-Tetrachlorobenzene	12.87	216	235538	45.559	ng	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.85	237	249806	85.941	ng	98
43) 2,4,6-Trichlorophenol	13.11	196	169617	51.908	ng	99
44) 2,4,5-Trichlorophenol	13.18	196	184617	54.368	ng #	92
46) 1,1'-Biphenyl	13.51	154	499581	47.583	ng	95
47) 2-Chloronaphthalene	13.55	162	407985	45.641	ng	95
48) 2-Nitroaniline	13.75	65	99443	43.863	ng #	71
49) Acenaphthylene	14.40	152	661423	49.466	ng	97
50) Dimethylphthalate	14.13	163	563328	50.502	ng	98
51) 2,6-Dinitrotoluene	14.25	165	134826	57.805	ng #	77
52) Acenaphthene	14.74	154	393682	45.269	ng	99
53) 3-Nitroaniline	14.58	138	63879	25.600	ng #	85
54) 2,4-Dinitrophenol	14.79	184	182129	112.104	ng #	80
55) Dibenzofuran	15.08	168	663245	49.861	ng	92
56) 4-Nitrophenol	14.90	139	220757	116.549	ng #	82
57) 2,4-Dinitrotoluene	15.04	165	194757	60.717	ng #	82
58) Fluorene	15.73	166	546049	51.153	ng	96
59) 2,3,4,6-Tetrachlorophenol	15.30	232	188217	55.964	ng #	90
60) Diethylphthalate	15.49	149	553858	50.575	ng	99
61) 4-Chlorophenyl-phenylether	15.72	204	316863	48.622	ng	93
62) 4-Nitroaniline	15.75	138	133647	49.448	ng	94
63) Azobenzene	16.01	77	382975	42.810	ng	89
65) 4,6-Dinitro-2-methylphenol	15.81	198	128814	65.136	ng	79
66) n-Nitrosodiphenylamine	15.93	169	516784	49.011	ng	96
67) 4-Bromophenyl-phenylether	16.62	248	223801	46.935	ng	96
68) Hexachlorobenzene	16.74	284	237592	47.628	ng #	89
69) Atrazine	16.88	200	200076	48.294	ng	99
70) Pentachlorophenol	17.09	266	310172	109.452	ng	99
71) Phenanthrene	17.47	178	938060	50.556	ng	94
72) Anthracene	17.56	178	965601	52.180	ng	94
73) Carbazole	17.83	167	886389	53.367	ng #	94
74) Di-n-butylphthalate	18.39	149	1005032	53.375	ng #	95
75) Fluoranthene	19.48	202	1230123	54.542	ng	92
77) Benzidine	19.66	184	148906	10.729	ng	96
78) Pyrene	19.85	202	1241623	49.283	ng	92
80) Butylbenzylphthalate	20.73	149	492249	50.961	ng #	84
81) Benzo(a)anthracene	21.69	228	1226884	48.767	ng	94
82) 3,3'-Dichlorobenzidine	21.60	252	359519	35.593	ng #	98
83) Chrysene	21.76	228	1195804	49.586	ng	94
84) Bis(2-ethylhexyl)phthalate	21.60	149	681971	51.183	ng	98
85) Di-n-octyl phthalate	22.82	149	1175879	52.438	ng #	85
86) Indeno(1,2,3-cd)pyrene	28.70	276	1648838	51.649	ng #	94
88) Benzo(b)fluoranthene	23.94	252	1367706	48.593	ng #	94
89) Benzo(k)fluoranthene	24.01	252	1338942	48.836	ng #	95
90) Benzo(a)pyrene	24.82	252	1346970	49.898	ng #	95
91) Dibenzo(a,h)anthracene	28.77	278	1354965	51.119	ng #	96
92) Benzo(g,h,i)perylene	29.87	276	1369839	51.728	ng #	94

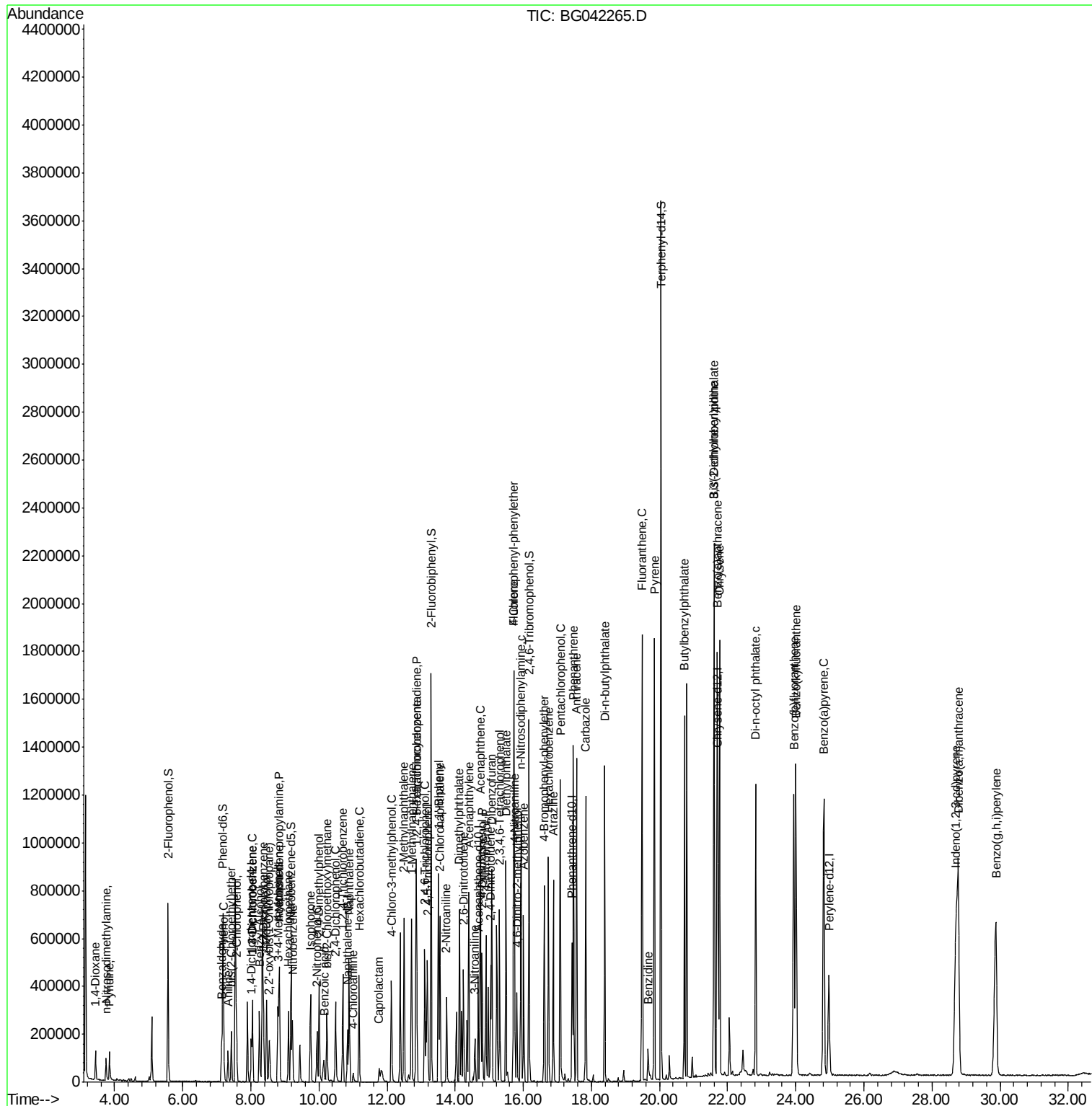
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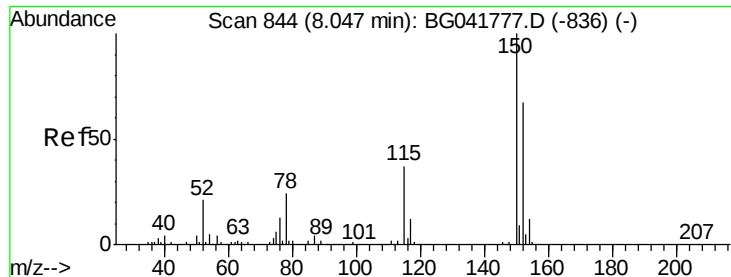
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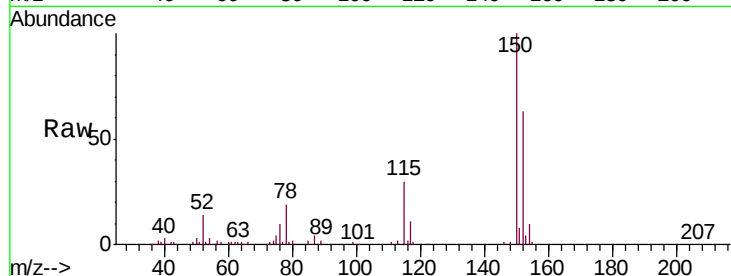


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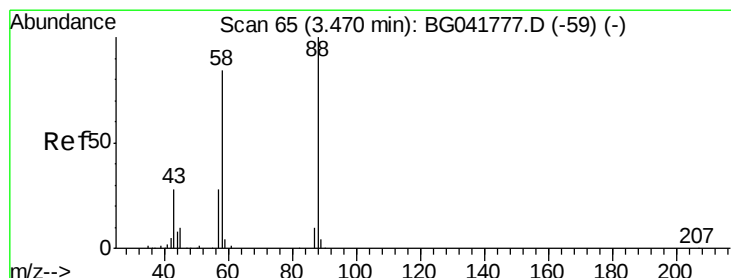
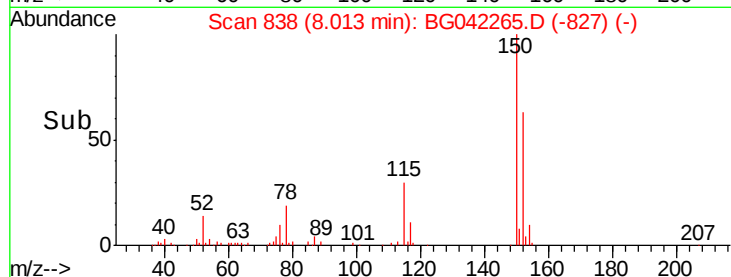
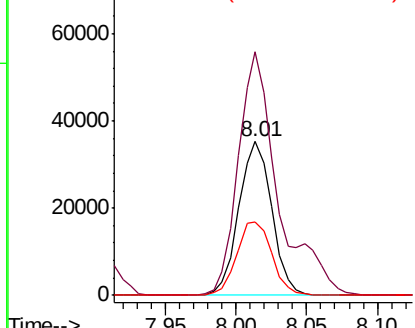
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. -0.03 min
Lab File: BG042265.D
Acq: 16 Aug 2019 18:35

Instrument :
BNA_G
ClientSampleId :
REACTOR-3-C1-C4-(0-2)MSD

Tgt Ion:152 Resp: 57849
Ion Ratio Lower Upper
152 100
150 158.5 126.9 190.3
115 47.6 45.0 67.6



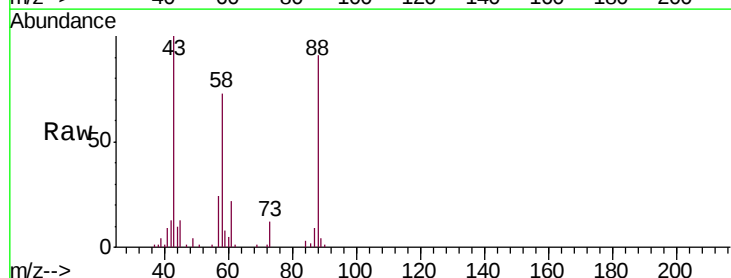
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



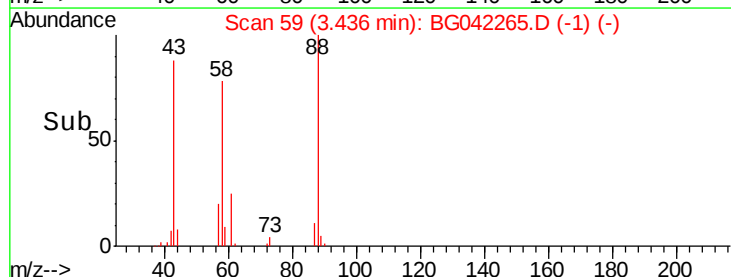
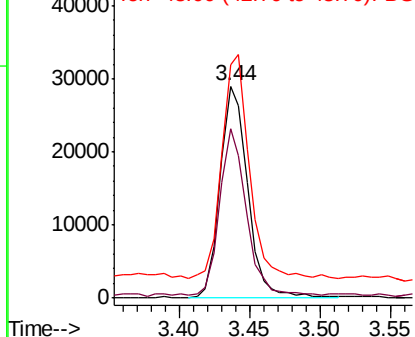
#2

1,4-Dioxane
Concen: 28.351 ng
RT: 3.44 min Scan# 59
Delta R.T. -0.03 min
Lab File: BG042265.D
Acq: 16 Aug 2019 18:35

Tgt Ion: 88 Resp: 39676
Ion Ratio Lower Upper
88 100
58 73.5 76.2 114.2#
43 105.8 27.2 40.8#



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

Pyridine

Concen: 18.904 ng

RT: 3.85 min Scan# 129

Delta R.T. -0.03 min

Lab File: BG042265.D

Acq: 16 Aug 2019 18:35

Instrument :

BNA_G

ClientSampleId :

REACTOR-3-C1-C4-(0-2)MSD

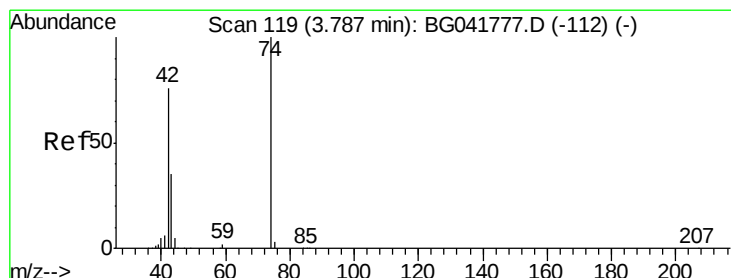
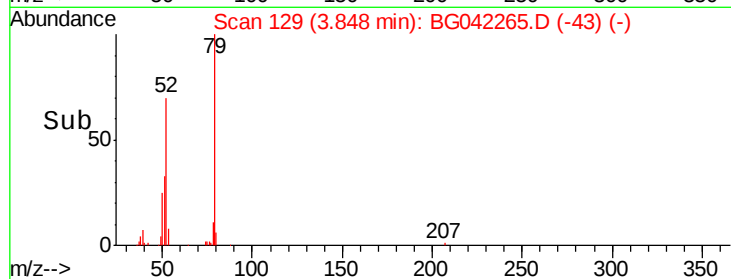
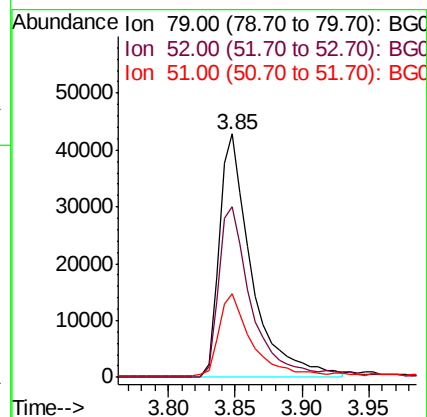
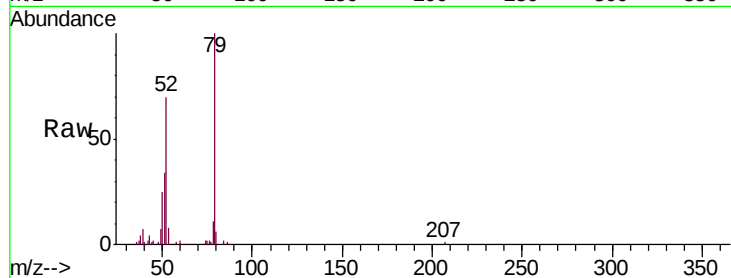
Tgt Ion: 79 Resp: 72545

Ion Ratio Lower Upper

79 100

52 70.4 77.1 115.7#

51 34.4 37.8 56.8#



#4

n-Nitrosodimethylamine

Concen: 28.517 ng

RT: 3.75 min Scan# 112

Delta R.T. -0.04 min

Lab File: BG042265.D

Acq: 16 Aug 2019 18:35

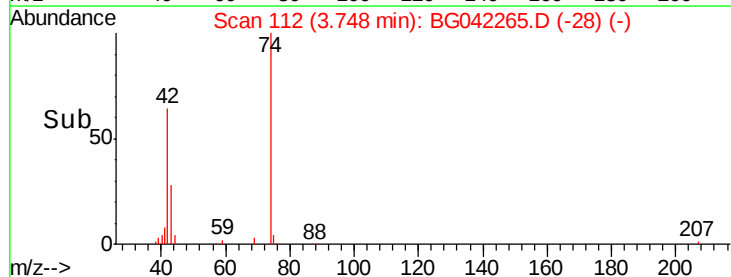
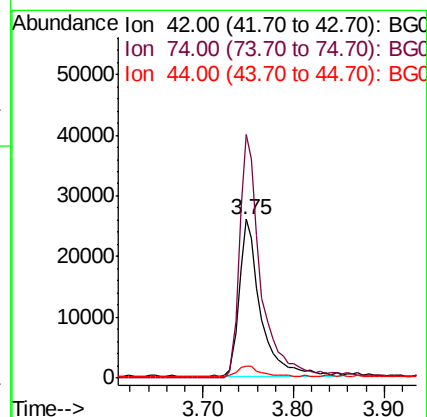
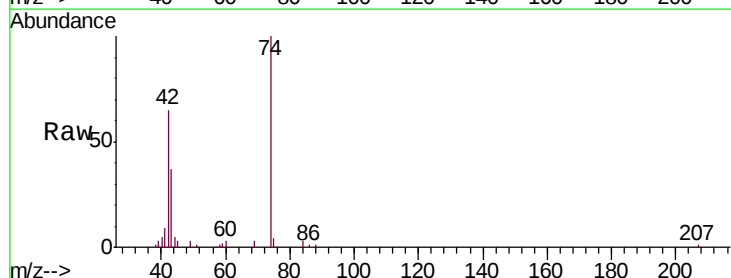
Tgt Ion: 42 Resp: 43383

Ion Ratio Lower Upper

42 100

74 153.1 97.4 146.2#

44 7.6 6.6 9.8





#5

2-Fluorophenol

Concen: 126.426 ng

RT: 5.57 min Scan# 422

Delta R.T. -0.02 min

Lab File: BG042265.D

Acq: 16 Aug 2019 18:35

Instrument :

BNA_G

ClientSampleId :

REACTOR-3-C1-C4-(0-2)MSD

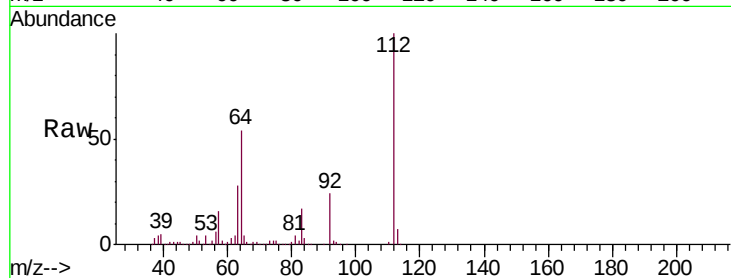
Tgt Ion: 112 Resp: 375903

Ion Ratio Lower Upper

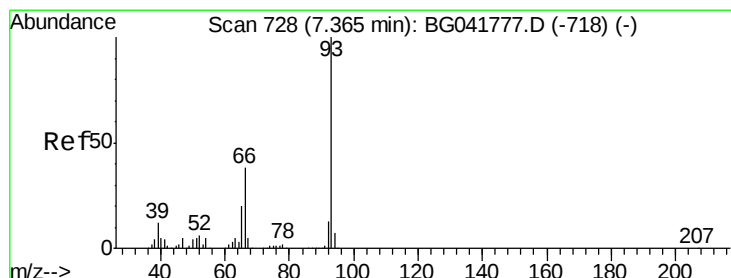
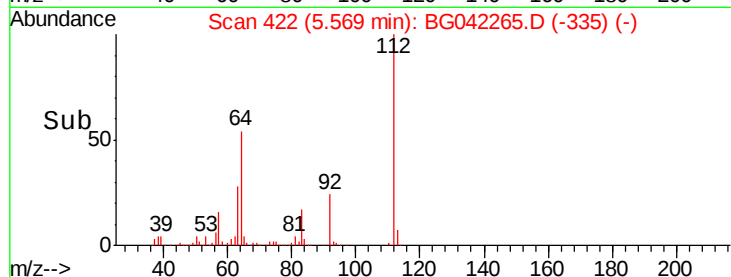
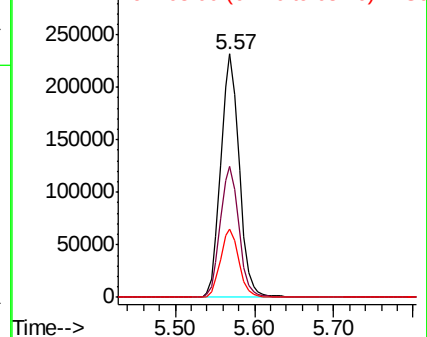
112 100

64 53.9 55.4 83.2#

63 27.9 29.1 43.7#



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: 16.639 ng

RT: 7.33 min Scan# 722

Delta R.T. -0.03 min

Lab File: BG042265.D

Acq: 16 Aug 2019 18:35

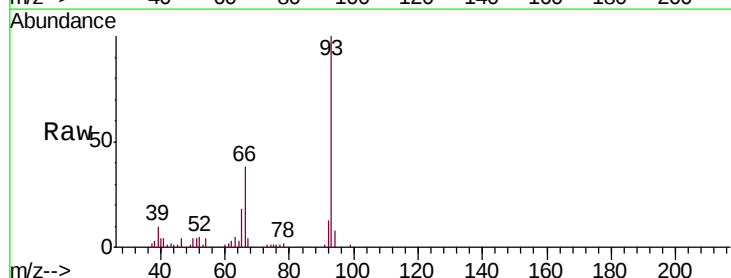
Tgt Ion: 93 Resp: 93917

Ion Ratio Lower Upper

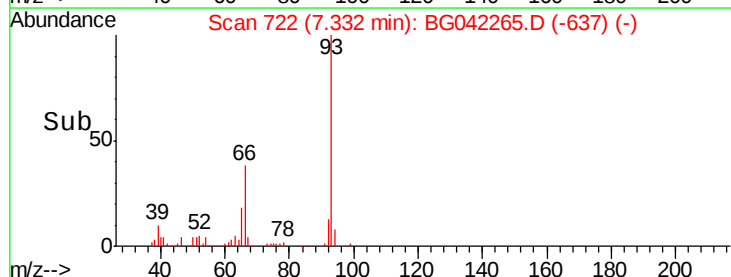
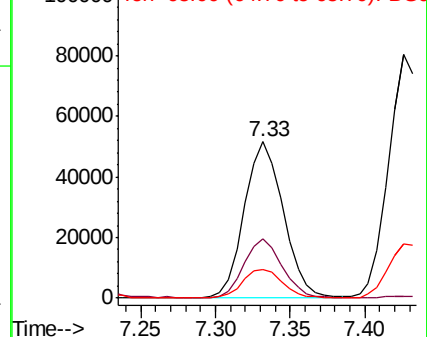
93 100

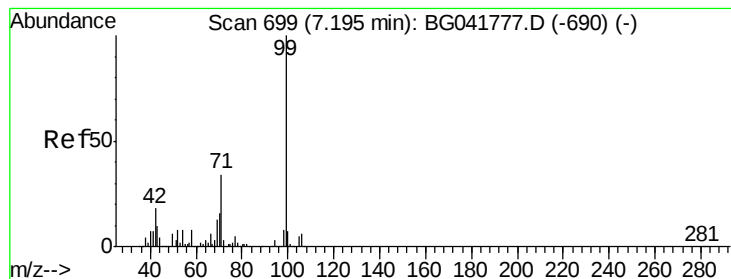
66 37.8 34.2 51.2

65 18.1 18.2 27.2#



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: 117.251 ng

RT: 7.18 min Scan# 696

Delta R.T. -0.02 min

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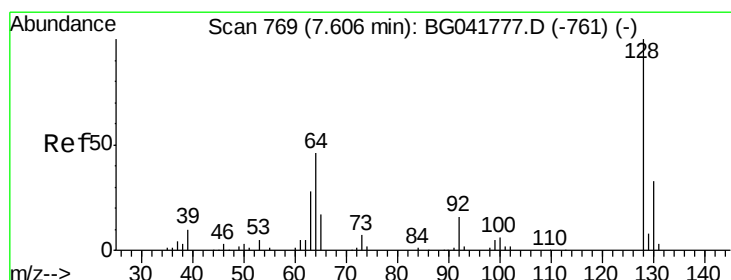
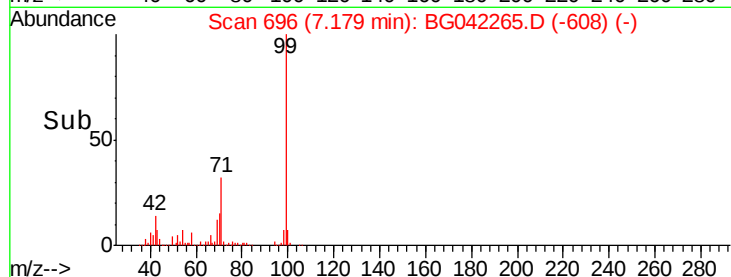
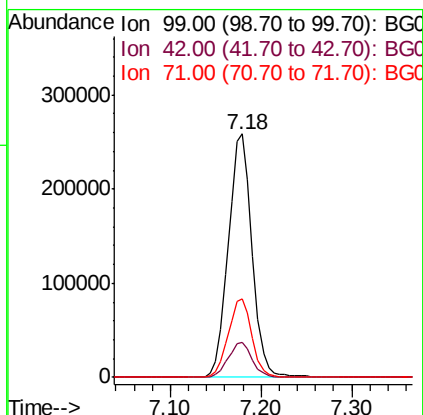
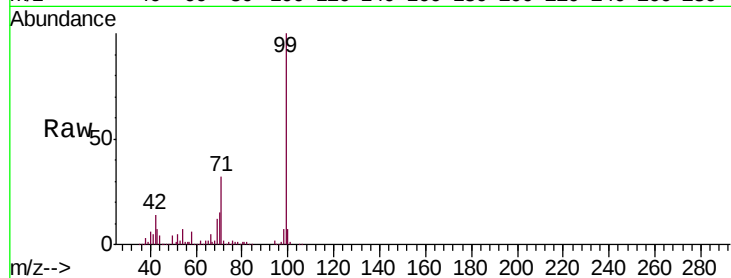
Tgt Ion: 99 Resp: 469996

Ion Ratio Lower Upper

99 100

42 14.3 17.6 26.4#

71 32.5 27.8 41.6



#8

2-Chlorophenol

Concen: 45.966 ng

RT: 7.58 min Scan# 764

Delta R.T. -0.03 min

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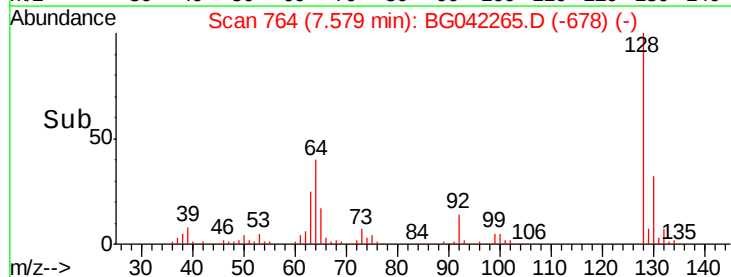
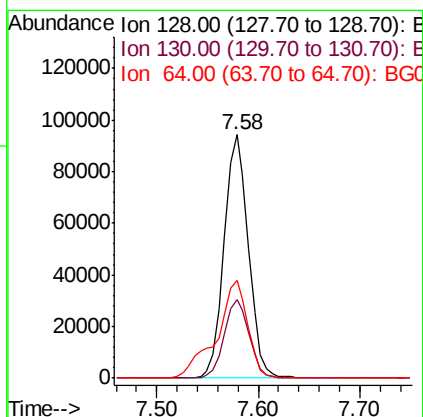
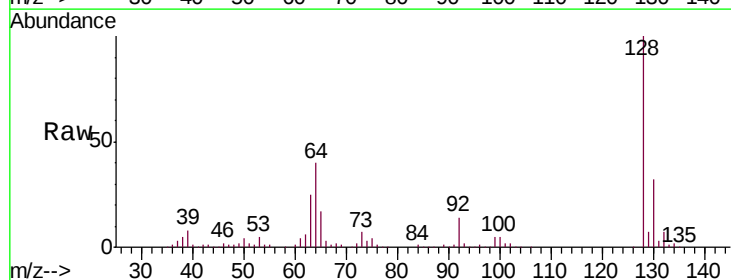
Tgt Ion: 128 Resp: 156500

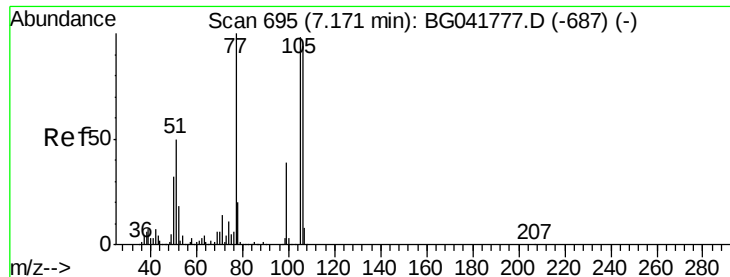
Ion Ratio Lower Upper

128 100

130 32.1 12.4 52.4

64 40.3 34.9 74.9





#9

Benzaldehyde

Concen: 19.883 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.03 min

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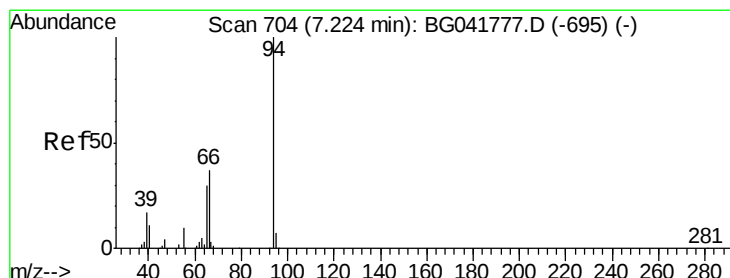
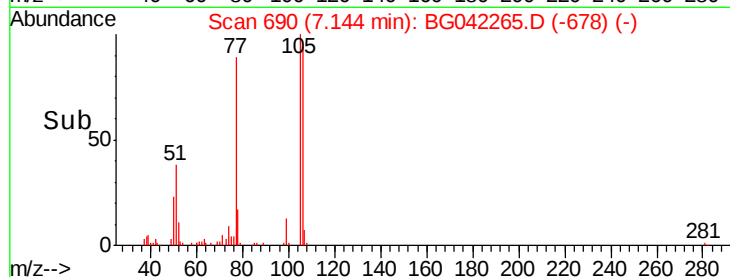
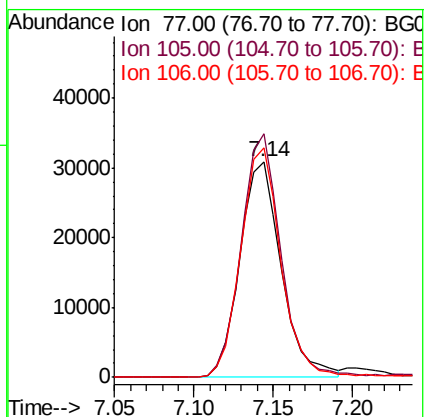
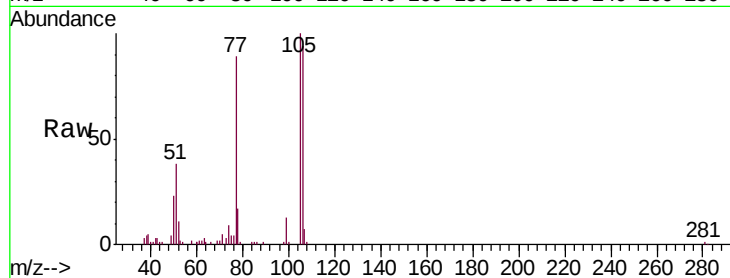
Tgt Ion: 77 Resp: 56080

Ion Ratio Lower Upper

77 100

105 113.0 74.6 114.6

106 106.7 71.1 111.1



#10

Phenol

Concen: 37.382 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.02 min

Lab File: BG042265.D

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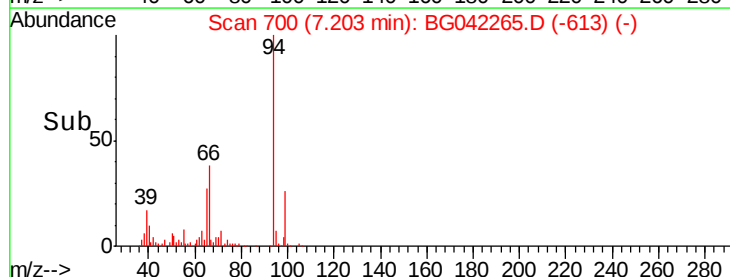
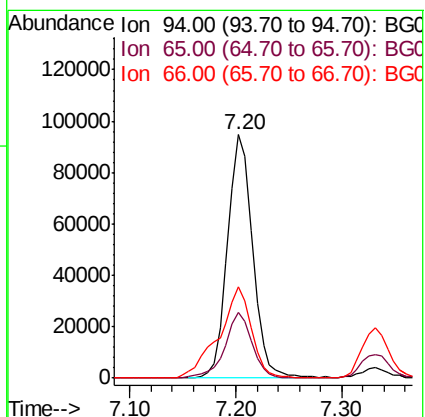
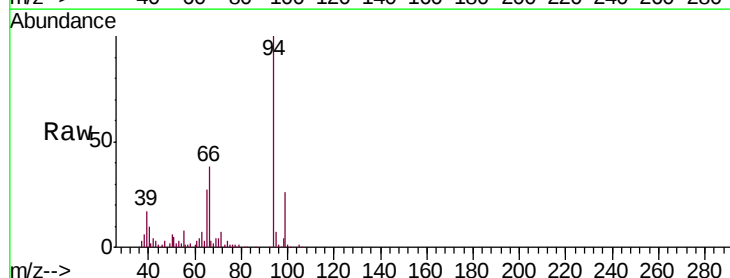
Tgt Ion: 94 Resp: 155890

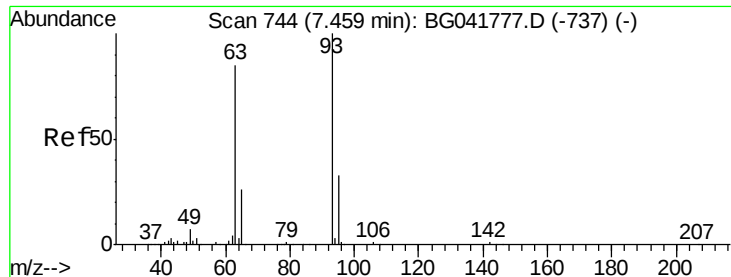
Ion Ratio Lower Upper

94 100

65 27.0 10.6 50.6

66 37.6 18.2 58.2

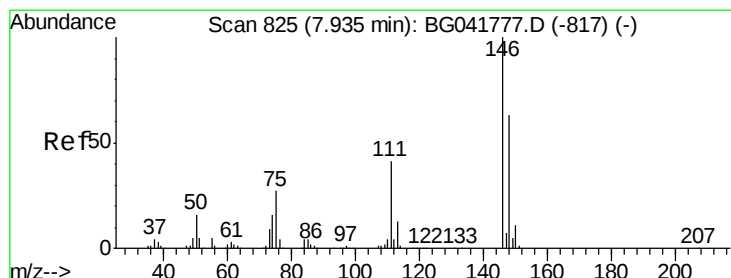
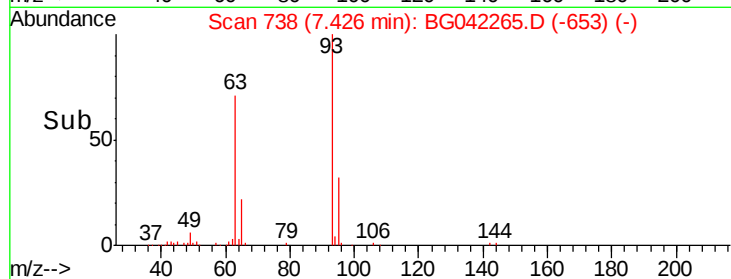
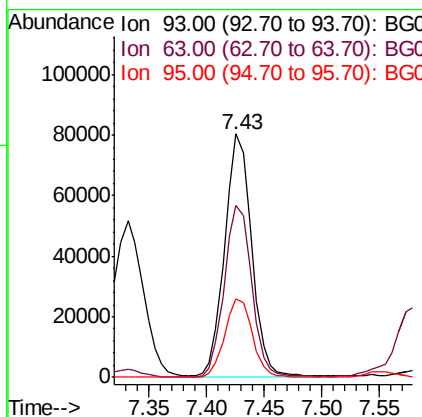
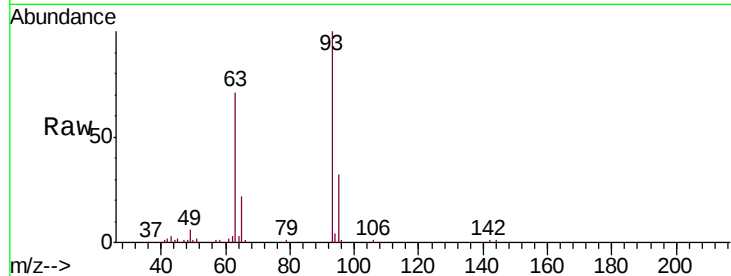




#11
 bis(2-Chloroethyl)ether
 Concen: 38.526 ng
 RT: 7.43 min Scan# 738
 Delta R.T. -0.03 min
 Lab File: BG042265.D
 Acq: 16 Aug 2019 18:35

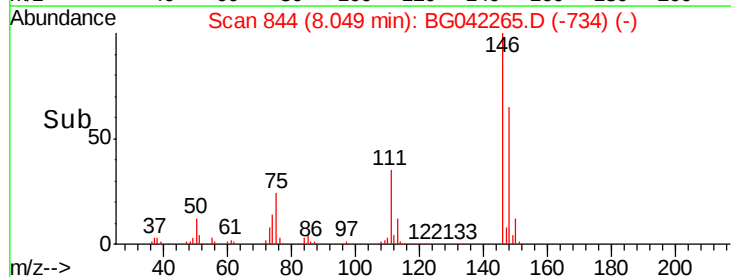
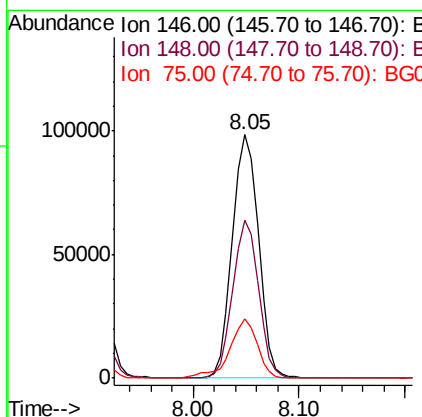
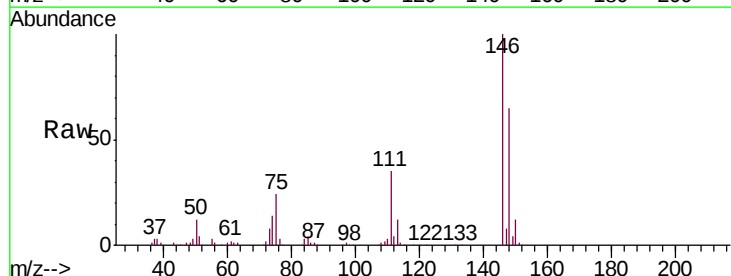
Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-3-C1-C4-(0-2)MSD

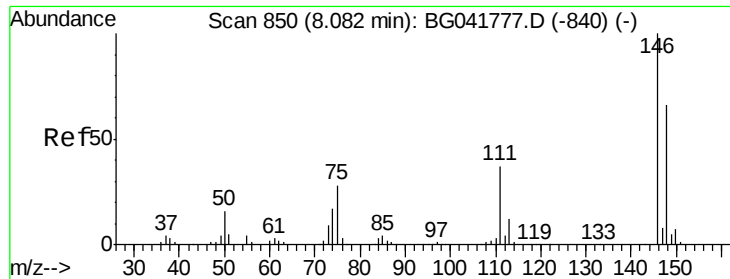
Tgt Ion: 93 Resp: 132080
 Ion Ratio Lower Upper
 93 100
 63 70.6 70.4 110.4
 95 32.3 12.8 52.8



#12
 1,3-Dichlorobenzene
 Concen: 38.076 ng
 RT: 8.05 min Scan# 844
 Delta R.T. 0.11 min
 Lab File: BG042265.D
 Acq: 16 Aug 2019 18:35

Tgt Ion: 146 Resp: 169194
 Ion Ratio Lower Upper
 146 100
 148 65.0 51.5 77.3
 75 24.3 23.2 34.8

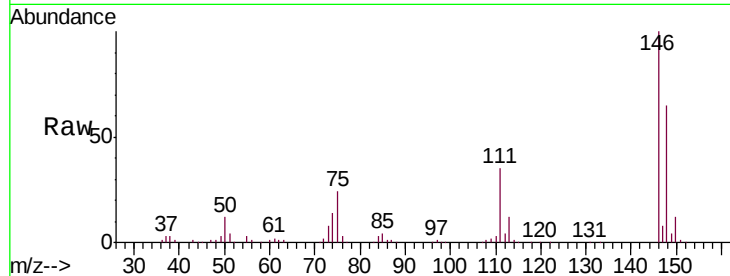




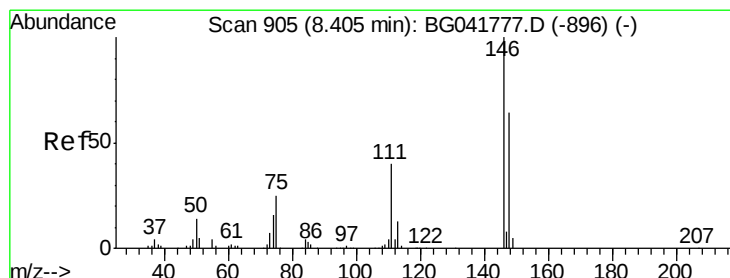
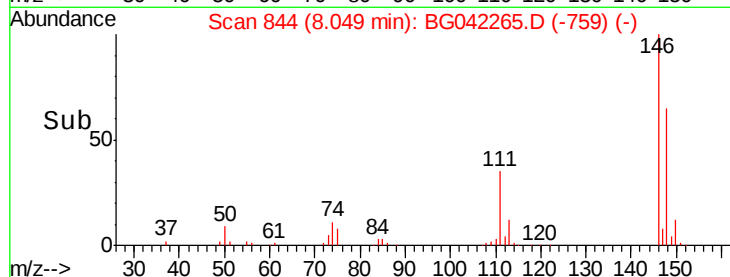
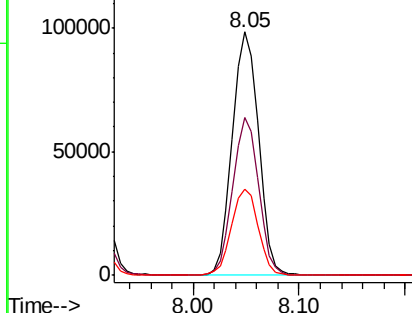
#13
 1,4-Dichlorobenzene
 Concen: 38.052 ng
 RT: 8.05 min Scan# 844
 Delta R.T. -0.03 min
 Lab File: BG042265.D
 Acq: 16 Aug 2019 18:35

Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-3-C1-C4-(0-2)MSD

Tgt Ion:146 Resp: 169194
 Ion Ratio Lower Upper
 146 100
 148 65.0 52.6 79.0
 111 35.3 32.5 48.7

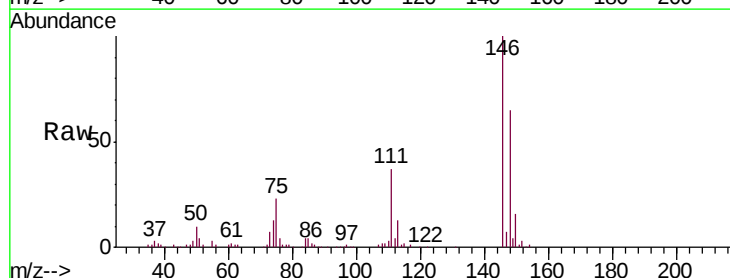


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

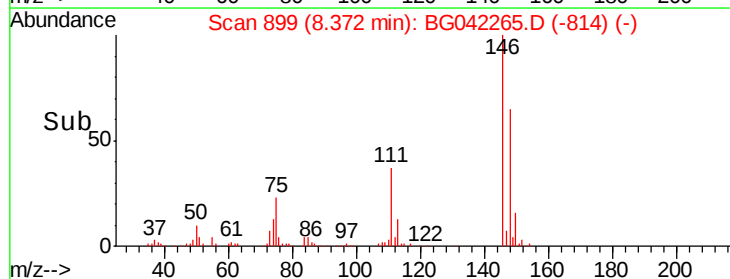
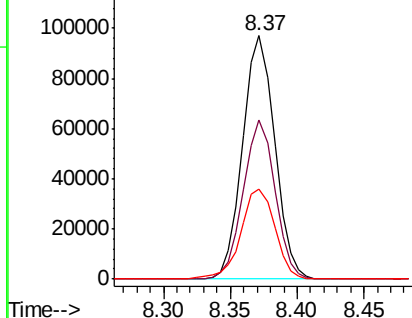


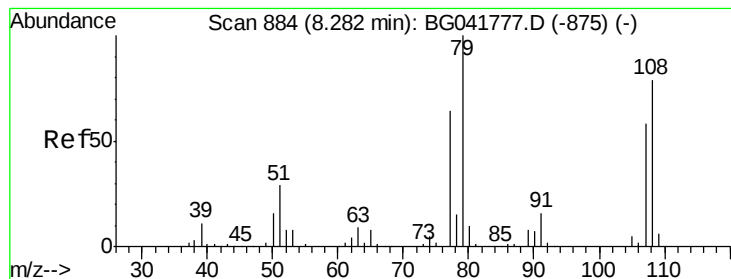
#14
 1,2-Dichlorobenzene
 Concen: 38.070 ng
 RT: 8.37 min Scan# 899
 Delta R.T. -0.03 min
 Lab File: BG042265.D
 Acq: 16 Aug 2019 18:35

Tgt Ion:146 Resp: 161519
 Ion Ratio Lower Upper
 146 100
 148 65.3 53.5 80.3
 111 37.0 35.4 53.0



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: 36.907 ng

RT: 8.25 min Scan# 879

Delta R.T. -0.03 min

Lab File: BG042265.D

Acq: 16 Aug 2019 18:35

Instrument :

BNA_G

ClientSampleId :

REACTOR-3-C1-C4-(0-2)MSD

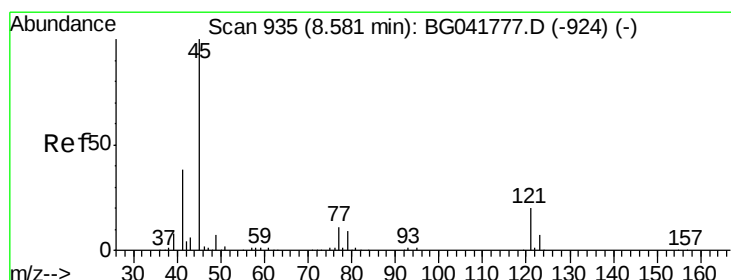
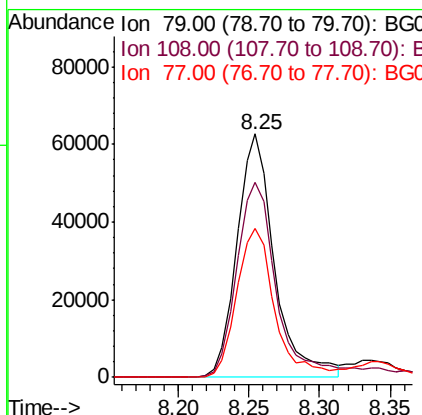
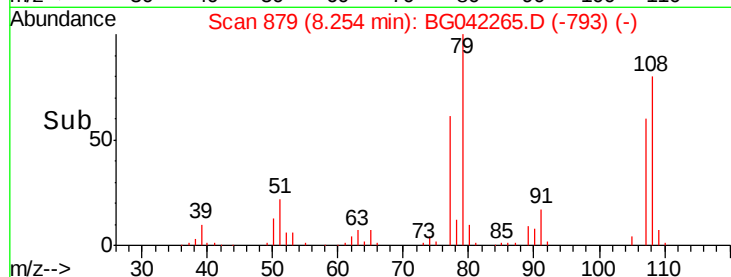
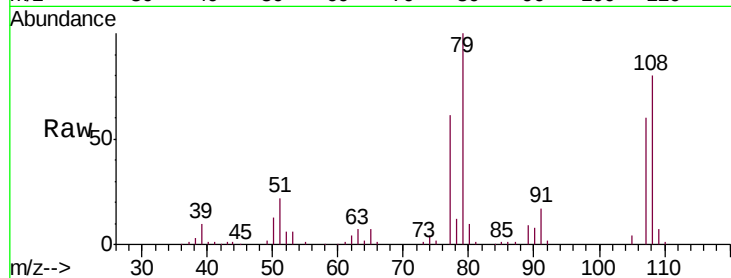
Tgt Ion: 79 Resp: 116388

Ion Ratio Lower Upper

79 100

108 80.2 60.5 90.7

77 61.2 50.6 75.8



#16

2,2'-oxybis(1-Chloropropane)

Concen: 27.114 ng

RT: 8.54 min Scan# 928

Delta R.T. -0.04 min

Lab File: BG042265.D

Acq: 16 Aug 2019 18:35

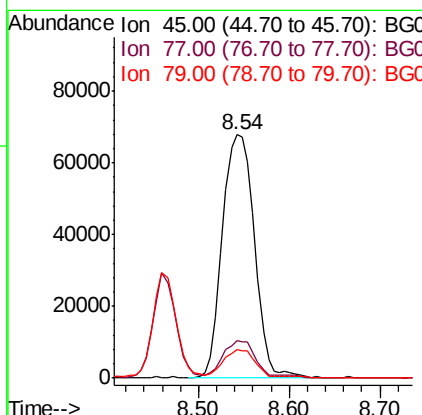
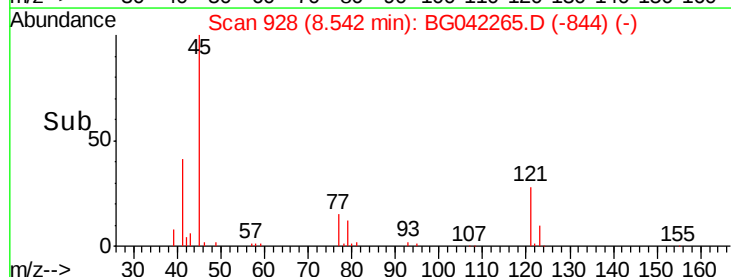
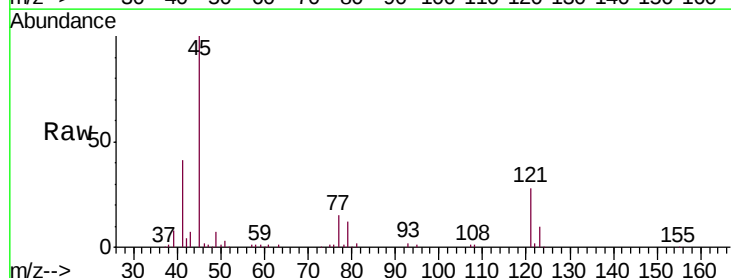
Tgt Ion: 45 Resp: 165377

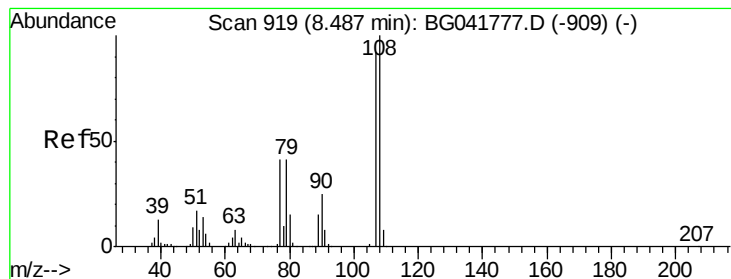
Ion Ratio Lower Upper

45 100

77 15.2 0.0 30.4

79 11.7 0.0 27.9





#17

2-Methylphenol

Concen: 41.596 ng

RT: 8.46 min Scan# 914

Delta R.T. -0.03 min

Lab File: BG042265.D

Acq: 16 Aug 2019 18:35

Instrument :

BNA_G

ClientSampleId :

REACTOR-3-C1-C4-(0-2)MSD

Tgt Ion:107 Resp: 126152

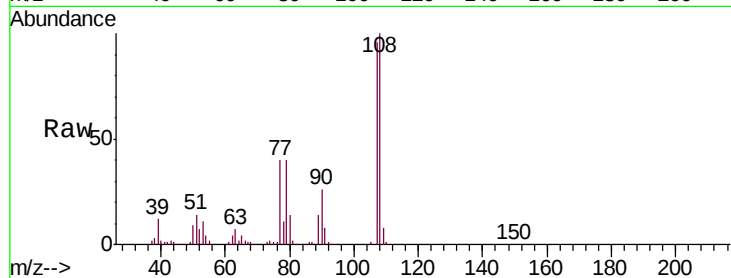
Ion Ratio Lower Upper

107 100

108 103.9 87.6 131.4

77 41.5 36.1 54.1

79 41.4 36.4 54.6

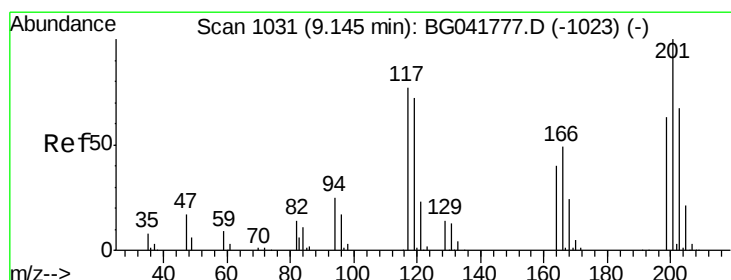
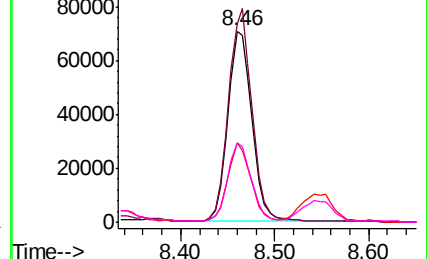
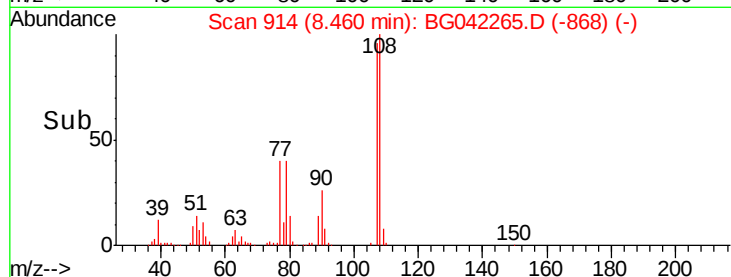


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 36.244 ng

RT: 9.11 min Scan# 1024

Delta R.T. -0.04 min

Lab File: BG042265.D

Acq: 16 Aug 2019 18:35

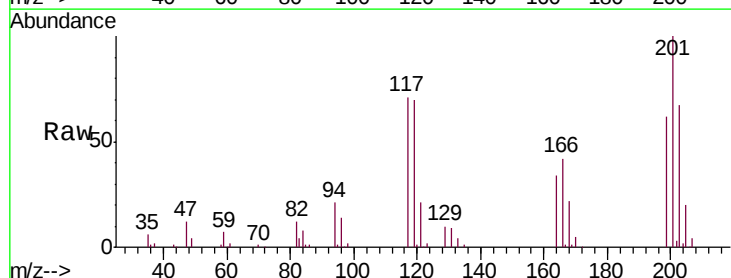
Tgt Ion:117 Resp: 55186

Ion Ratio Lower Upper

117 100

119 98.0 76.2 114.2

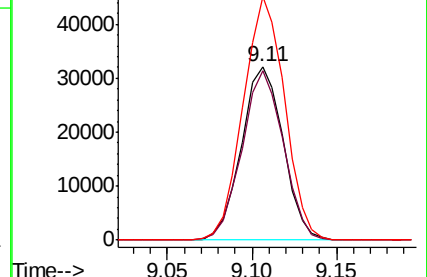
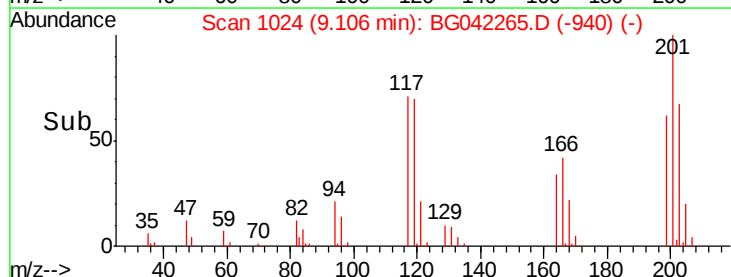
201 140.5 94.1 141.1

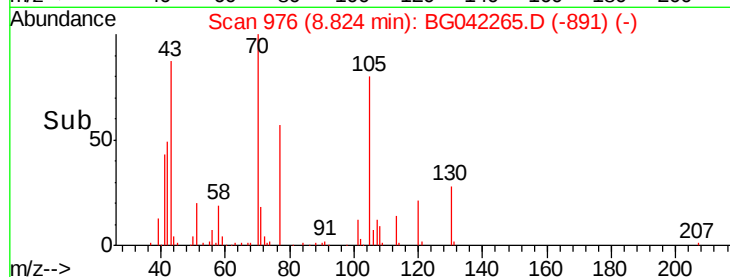
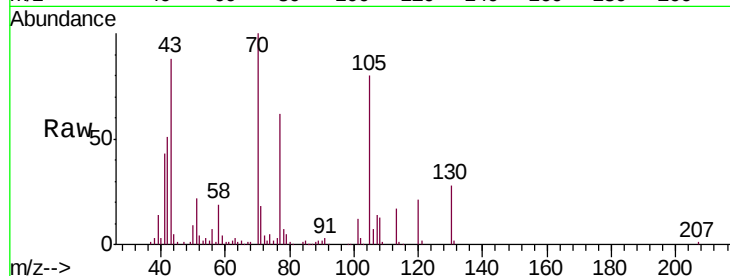
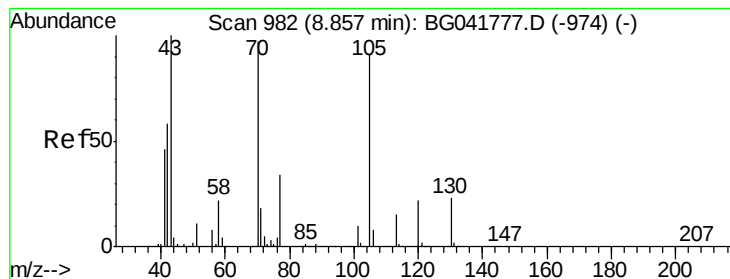


Abundance Ion 117.00 (116.70 to 117.70): E

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: 34.891 ng

RT: 8.82 min Scan# 976

Delta R.T. -0.03 min

Lab File: BG042265.D

Acq: 16 Aug 2019 18:35

Instrument :

BNA_G

ClientSampleId :

REACTOR-3-C1-C4-(0-2)MSD

Tgt Ion: 70 Resp: 101539

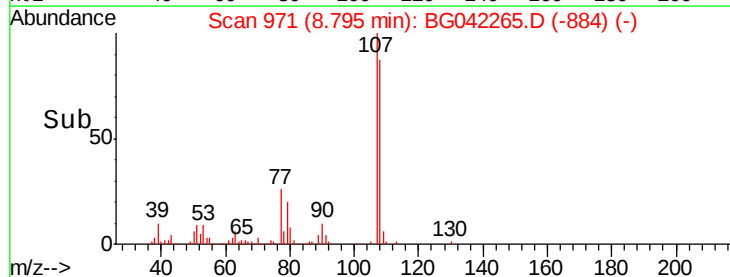
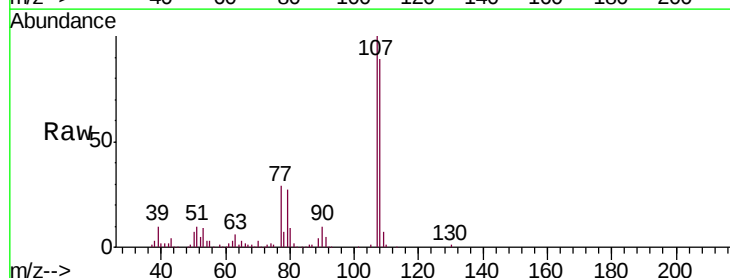
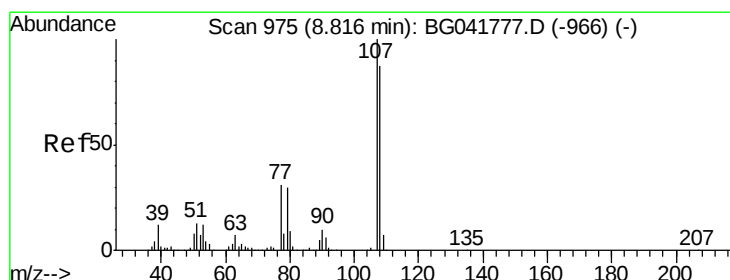
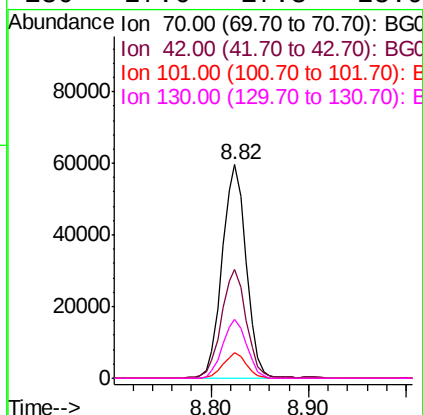
Ion Ratio Lower Upper

70 100

42 50.7 55.8 83.6#

101 12.3 8.1 12.1#

130 27.6 17.3 25.9#



#20

3+4-Methylphenols

Concen: 41.094 ng

RT: 8.79 min Scan# 971

Delta R.T. -0.02 min

Lab File: BG042265.D

Acq: 16 Aug 2019 18:35

Tgt Ion: 107 Resp: 170551

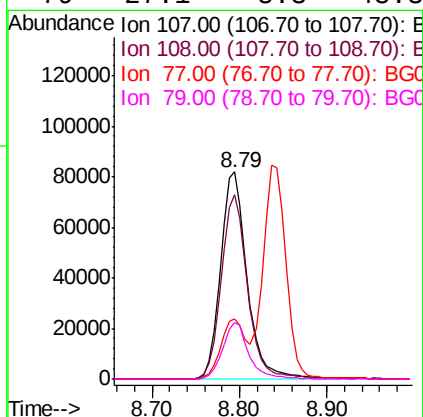
Ion Ratio Lower Upper

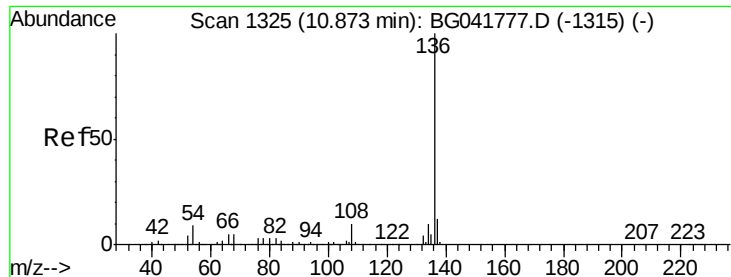
107 100

108 88.7 67.5 107.5

77 28.8 12.3 52.3

79 27.1 8.3 48.3

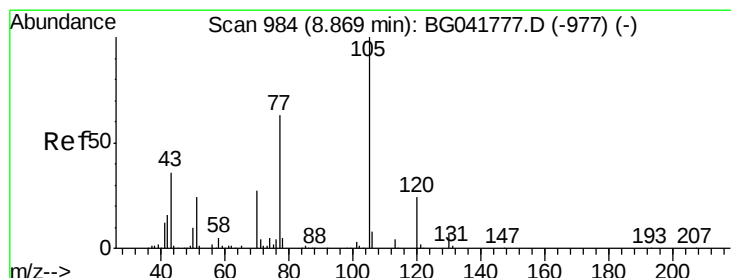
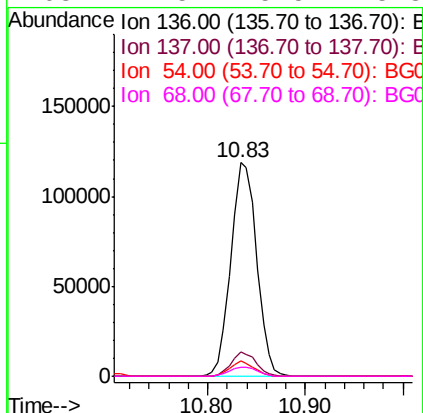
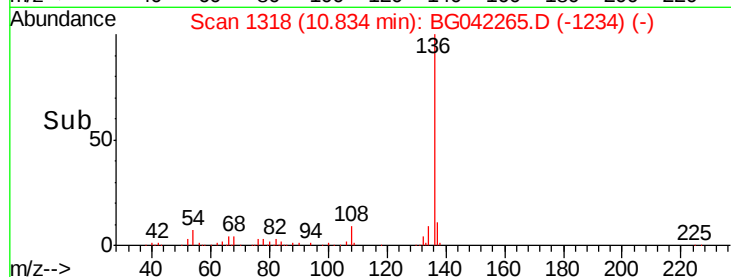
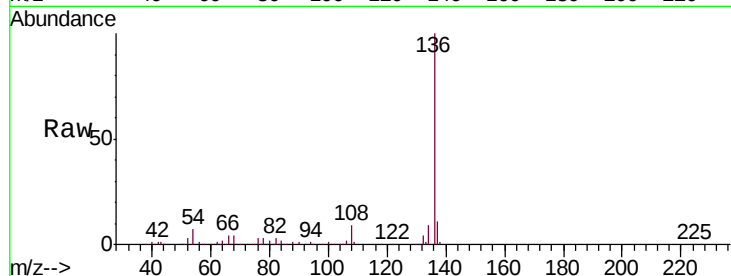




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. -0.04 min
Lab File: BG042265.D
Acq: 16 Aug 2019 18:35

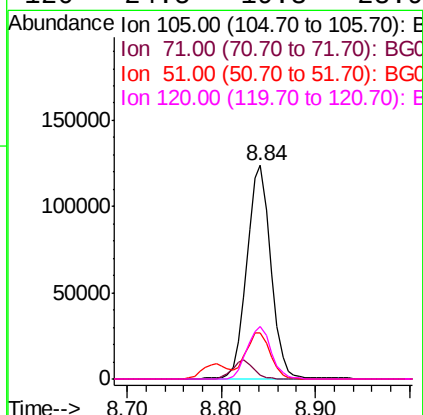
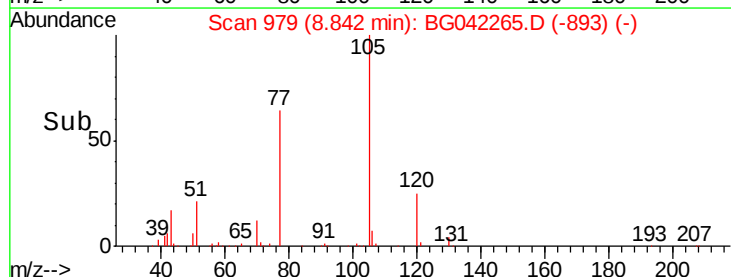
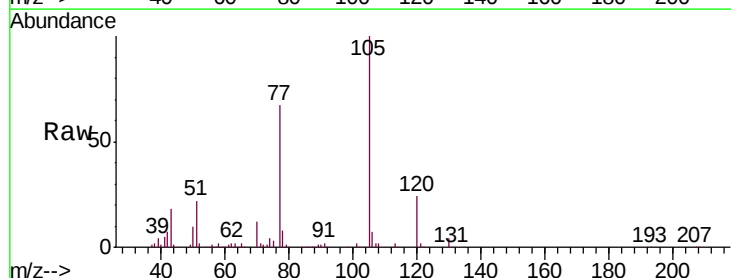
Instrument :
BNA_G
ClientSampleId :
REACTOR-3-C1-C4-(0-2)MSD

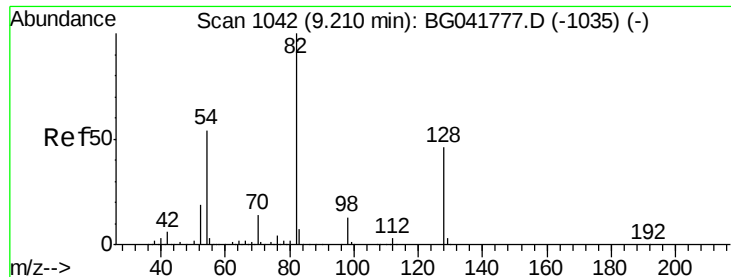
Tgt Ion:	136	Resp:	218466
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	6.9	8.7	13.1#
68	4.5	5.5	8.3#



#22
Acetophenone
Concen: 44.982 ng
RT: 8.84 min Scan# 979
Delta R.T. -0.03 min
Lab File: BG042265.D
Acq: 16 Aug 2019 18:35

Tgt Ion:	105	Resp:	219809
Ion	Ratio	Lower	Upper
105	100		
71	2.0	5.9	8.9#
51	21.7	27.7	41.5#
120	24.5	19.3	28.9

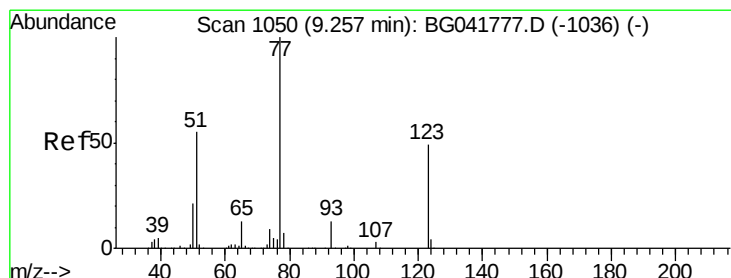
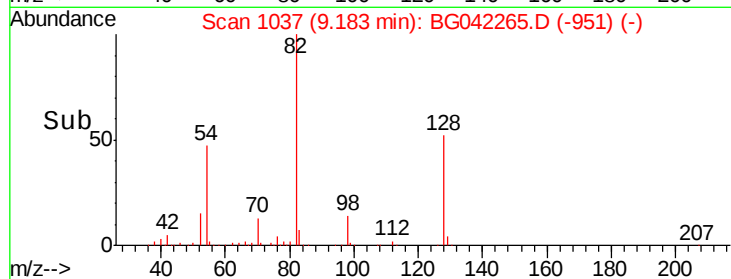
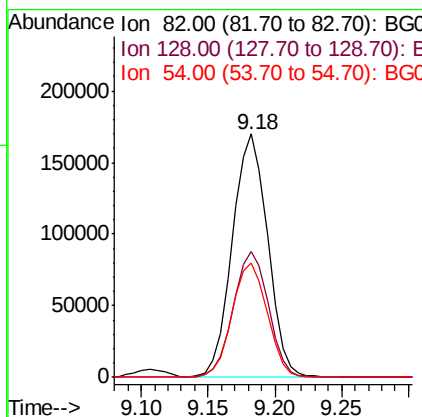
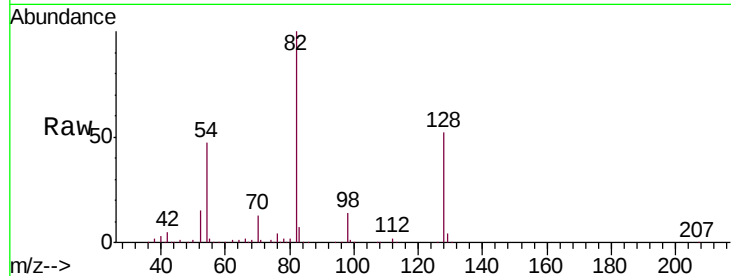




#23
 Nitrobenzene-d5
 Concen: 98.077 ng
 RT: 9.18 min Scan# 1037
 Delta R.T. -0.03 min
 Lab File: BG042265.D
 Acq: 16 Aug 2019 18:35

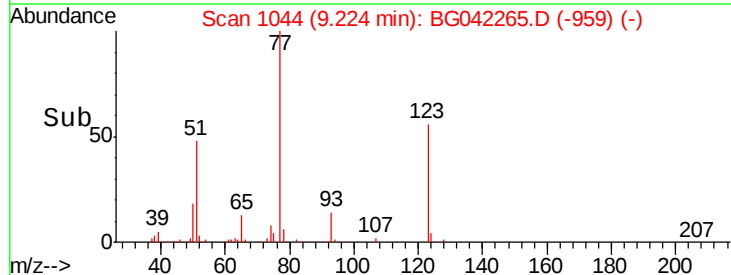
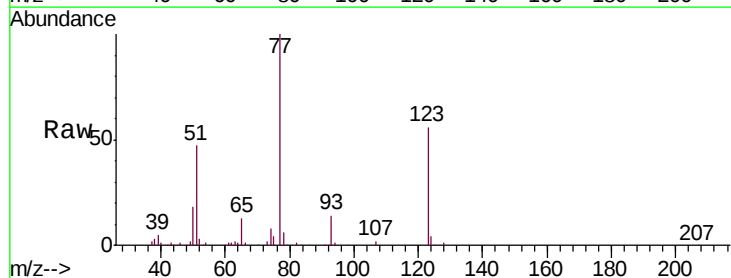
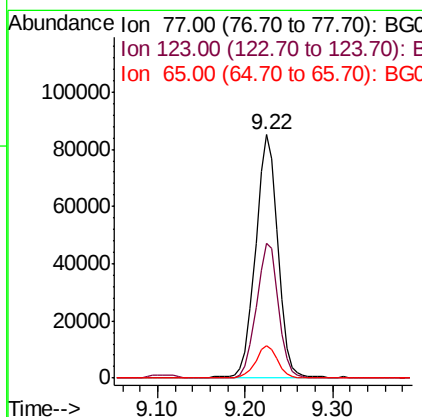
Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-3-C1-C4-(0-2)MSD

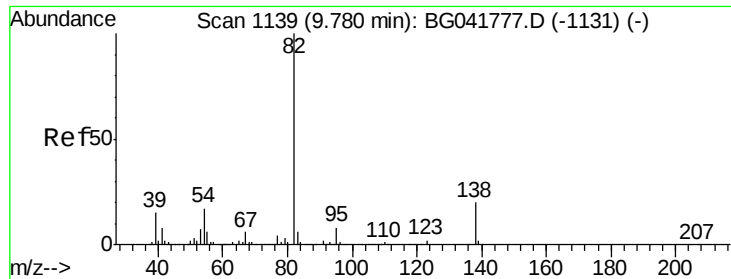
Tgt Ion: 82 Resp: 311359
 Ion Ratio Lower Upper
 82 100
 128 51.6 35.1 52.7
 54 46.8 48.7 73.1#



#24
 Nitrobenzene
 Concen: 44.315 ng
 RT: 9.22 min Scan# 1044
 Delta R.T. -0.03 min
 Lab File: BG042265.D
 Acq: 16 Aug 2019 18:35

Tgt Ion: 77 Resp: 148211
 Ion Ratio Lower Upper
 77 100
 123 55.6 38.1 57.1
 65 13.4 11.0 16.6





#25

Isophorone

Concen: 42.410 ng

RT: 9.75 min Scan# 1134

Delta R.T. -0.03 min

Lab File: BG042265.D

Acq: 16 Aug 2019 18:35

Instrument :

BNA_G

ClientSampleId :

REACTOR-3-C1-C4-(0-2)MSD

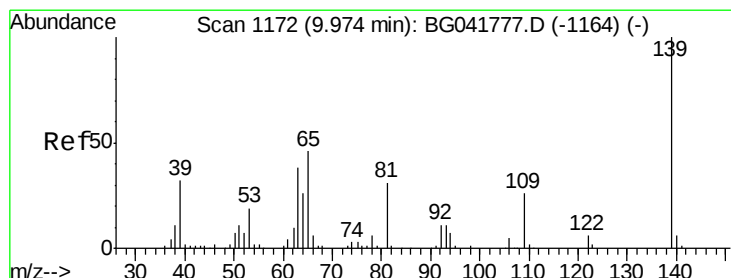
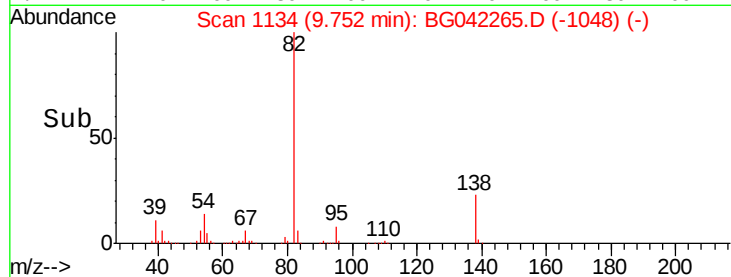
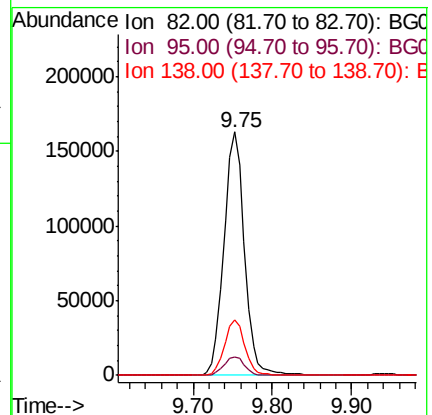
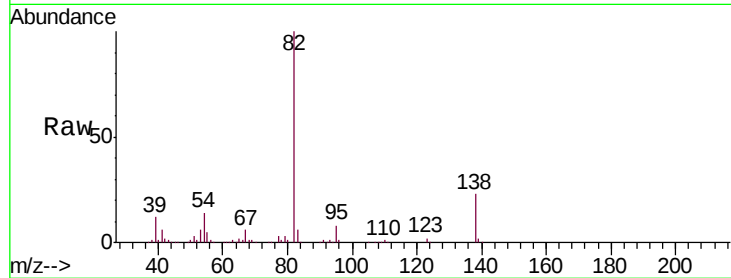
Tgt Ion: 82 Resp: 292882

Ion Ratio Lower Upper

82 100

95 7.8 5.9 8.9

138 22.7 16.3 24.5



#26

2-Nitrophenol

Concen: 61.424 ng

RT: 9.94 min Scan# 1166

Delta R.T. -0.03 min

Lab File: BG042265.D

Acq: 16 Aug 2019 18:35

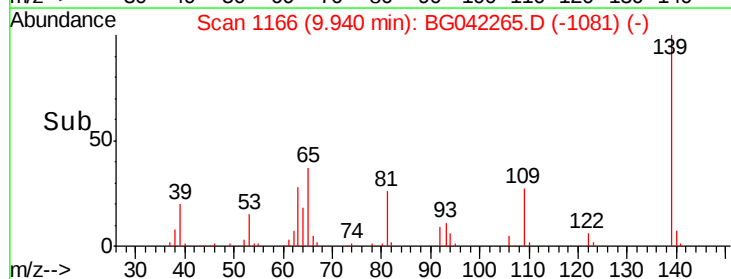
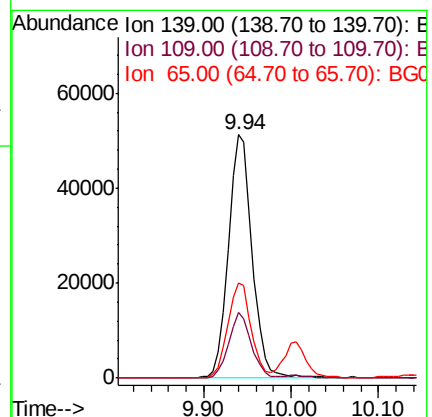
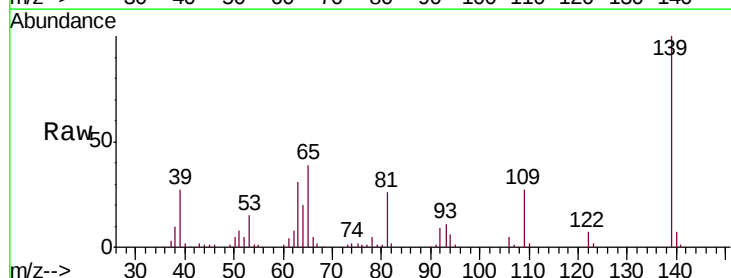
Tgt Ion: 139 Resp: 95343

Ion Ratio Lower Upper

139 100

109 27.0 22.7 34.1

65 39.3 41.1 61.7#

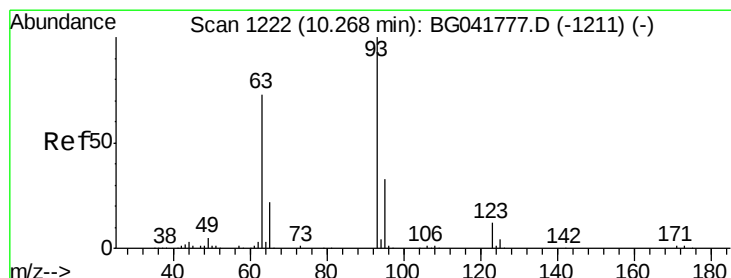
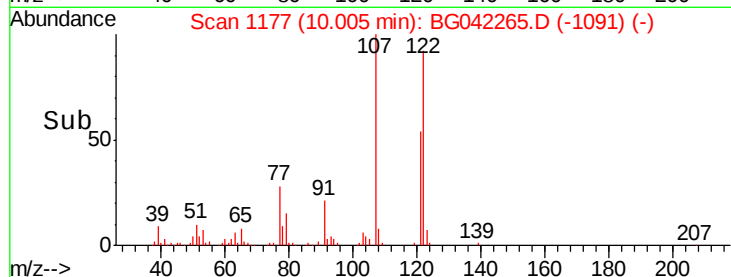
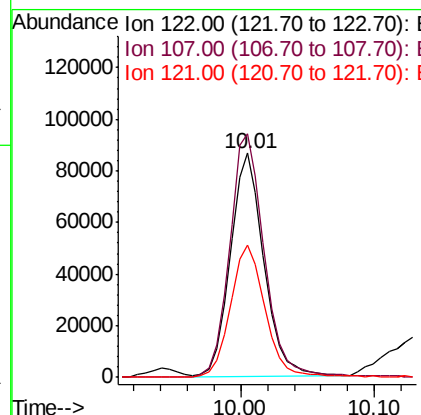
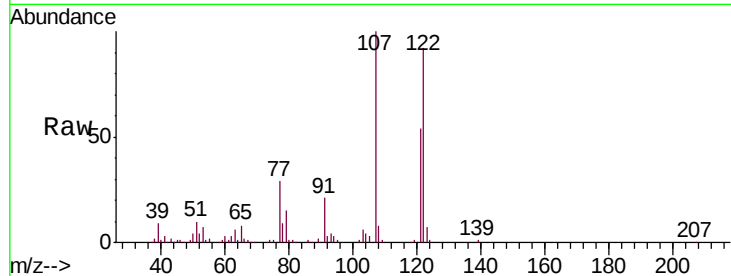




#27
 2,4-Dimethylphenol
 Concen: 55.144 ng
 RT: 10.01 min Scan# 1177
 Delta R.T. -0.03 min
 Lab File: BG042265.D
 Acq: 16 Aug 2019 18:35

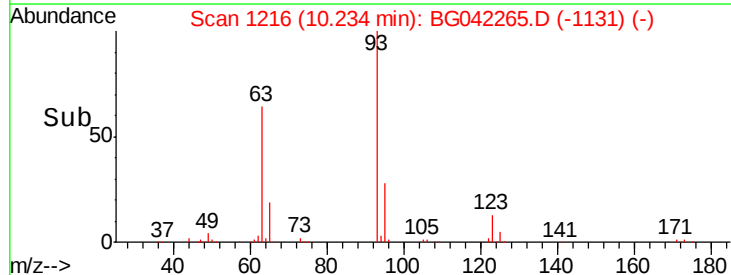
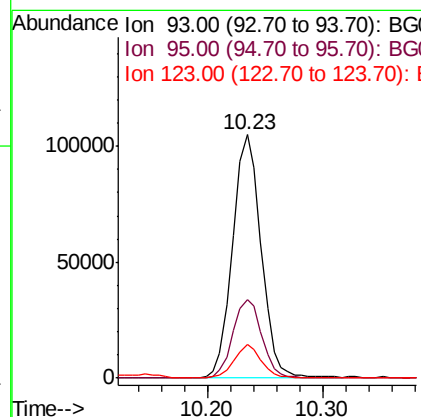
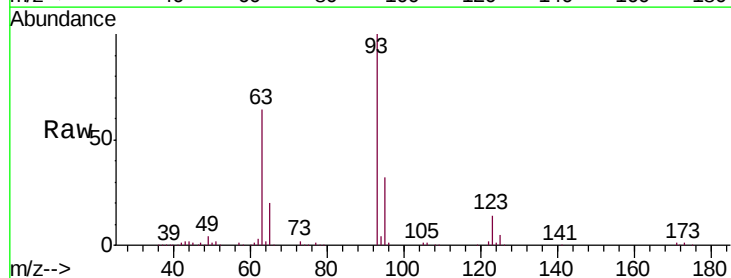
Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-3-C1-C4-(0-2)MSD

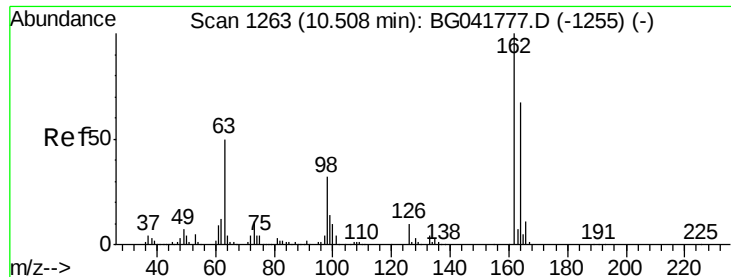
Tgt Ion	Ratio	Lower	Upper
122	100		
107	108.5	91.3	136.9
121	58.9	49.2	73.8



#28
 bis(2-Chloroethoxy)methane
 Concen: 41.726 ng
 RT: 10.23 min Scan# 1216
 Delta R.T. -0.03 min
 Lab File: BG042265.D
 Acq: 16 Aug 2019 18:35

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.2	26.2	39.4
123	13.6	9.9	14.9

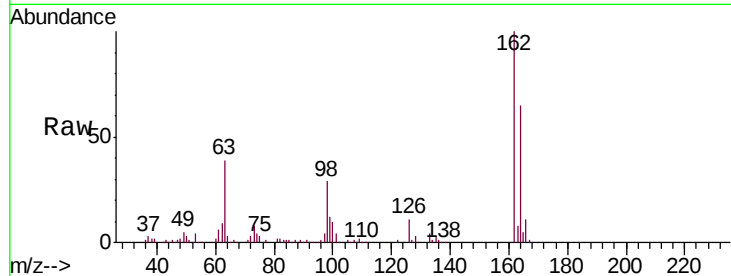




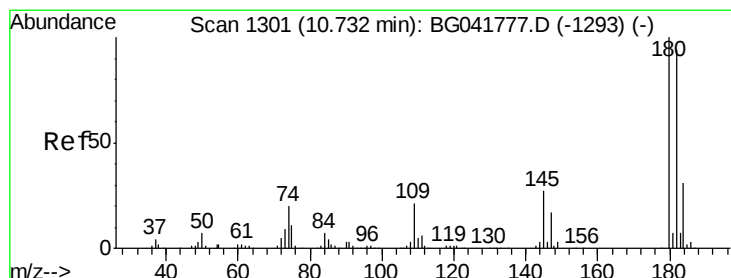
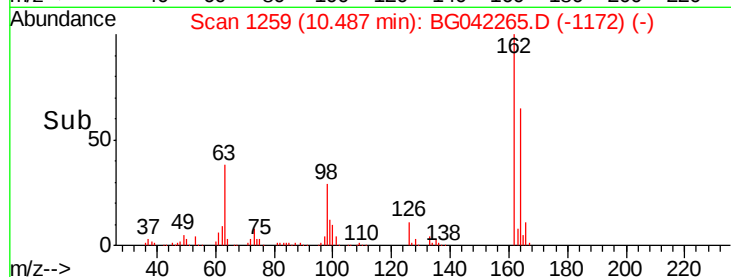
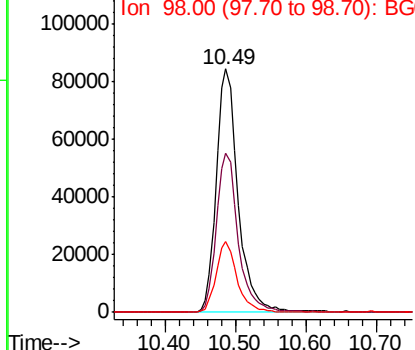
#29
2,4-Dichlorophenol
Concen: 54.417 ng
RT: 10.49 min Scan# 1259
Delta R.T. -0.02 min
Lab File: BG042265.D
Acq: 16 Aug 2019 18:35

Instrument :
BNA_G
ClientSampleId :
REACTOR-3-C1-C4-(0-2)MSD

Tgt Ion:162 Resp: 181544
Ion Ratio Lower Upper
162 100
164 65.5 46.1 86.1
98 29.2 14.7 54.7

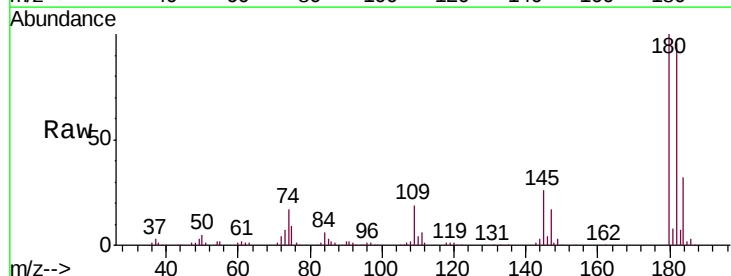


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BGC

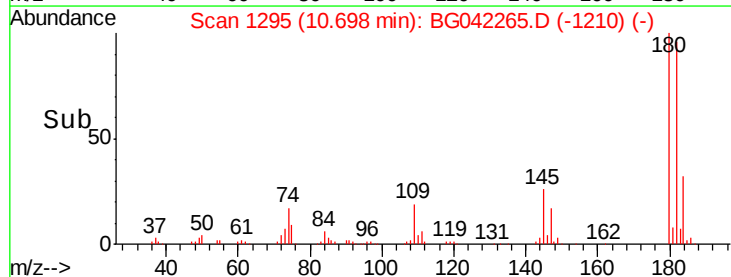
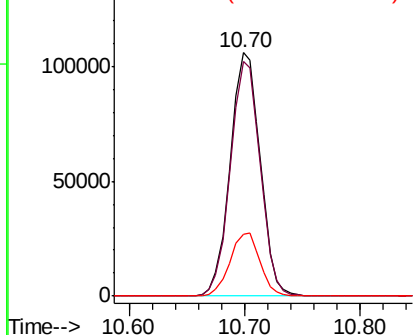


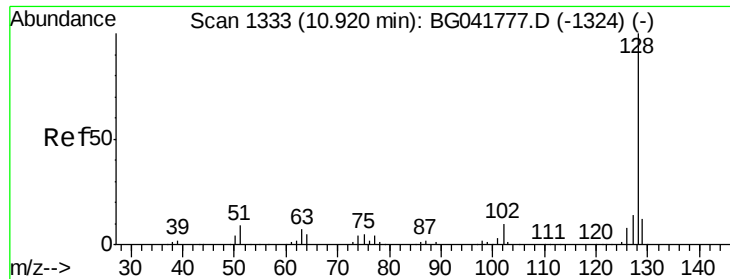
#30
1,2,4-Trichlorobenzene
Concen: 45.100 ng
RT: 10.70 min Scan# 1295
Delta R.T. -0.03 min
Lab File: BG042265.D
Acq: 16 Aug 2019 18:35

Tgt Ion:180 Resp: 190800
Ion Ratio Lower Upper
180 100
182 96.3 76.2 114.2
145 25.6 23.8 35.8



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E

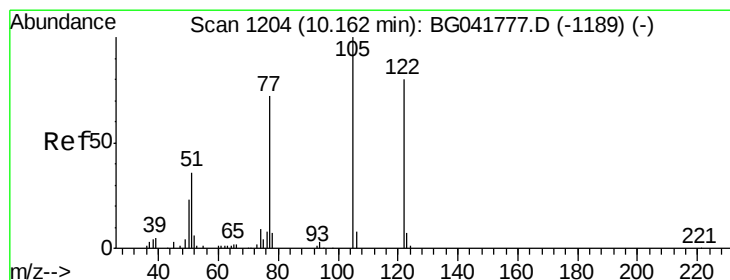
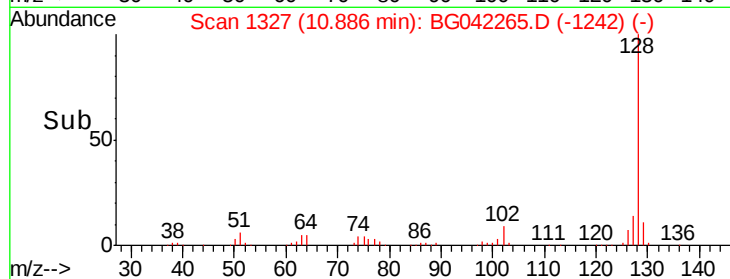
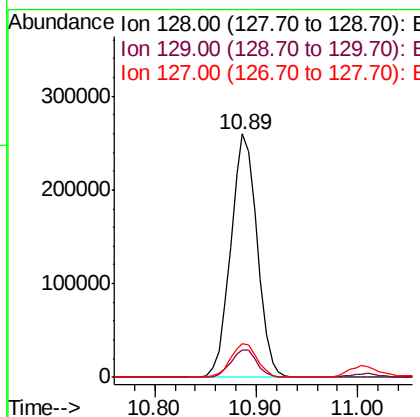
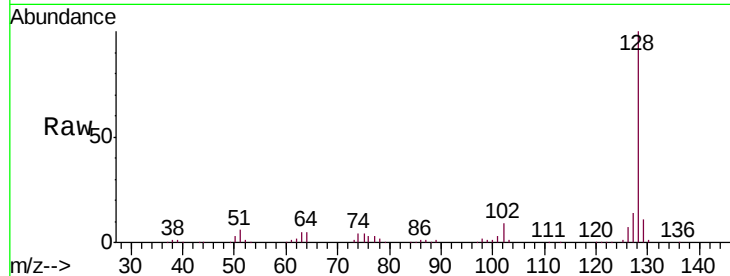




#31
Naphthalene
Concen: 46.747 ng
RT: 10.89 min Scan# 1327
Delta R.T. -0.03 min
Lab File: BG042265.D
Acq: 16 Aug 2019 18:35

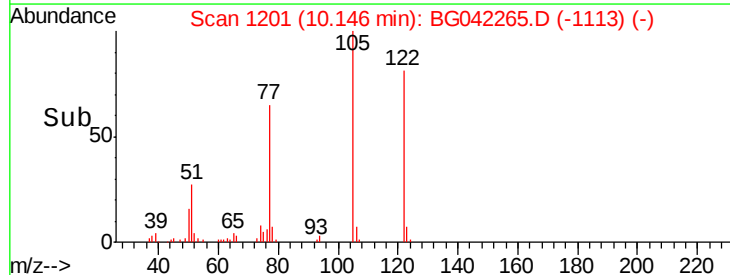
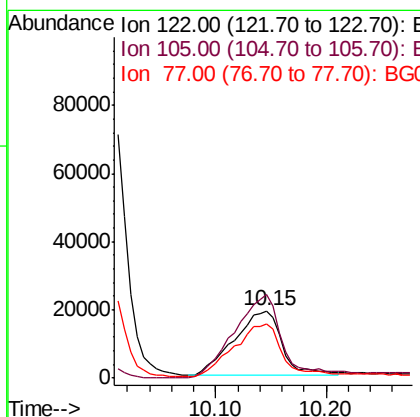
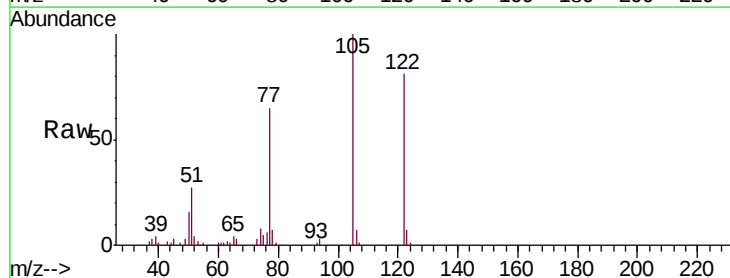
Instrument :
BNA_G
ClientSampleId :
REACTOR-3-C1-C4-(0-2)MSD

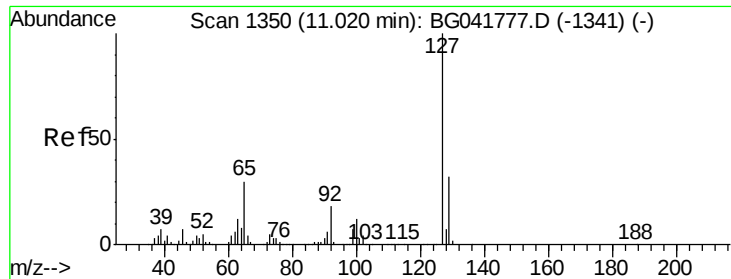
Tgt Ion:128 Resp: 467398
Ion Ratio Lower Upper
128 100
129 11.3 10.0 15.0
127 14.0 12.3 18.5



#32
Benzoic acid
Concen: 32.776 ng
RT: 10.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BG042265.D
Acq: 16 Aug 2019 18:35

Tgt Ion:122 Resp: 57523
Ion Ratio Lower Upper
122 100
105 123.5 101.5 141.5
77 80.7 73.0 113.0

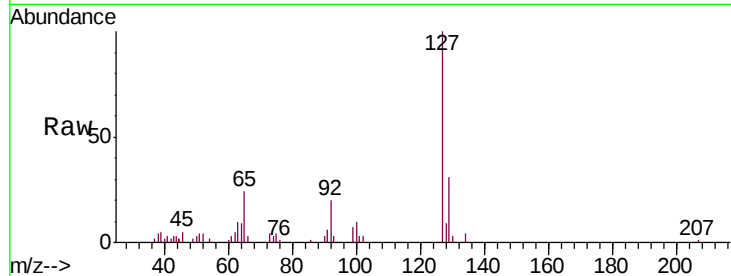




#33
4-Chloroaniline
Concen: 6.270 ng
RT: 11.00 min Scan# 1347
Delta R.T. -0.02 min
Lab File: BG042265.D
Acq: 16 Aug 2019 18:35

Instrument :
BNA_G
ClientSampleId :
REACTOR-3-C1-C4-(0-2)MSD

Tgt Ion:	127	Resp:	29731
Ion	Ratio	Lower	Upper
127	100		
129	31.0	25.8	38.8
65	23.6	26.7	40.1#
92	20.0	15.4	23.0



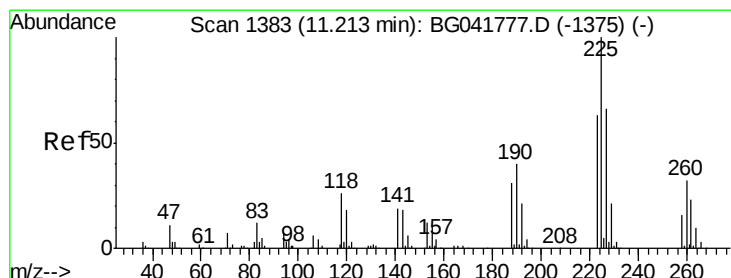
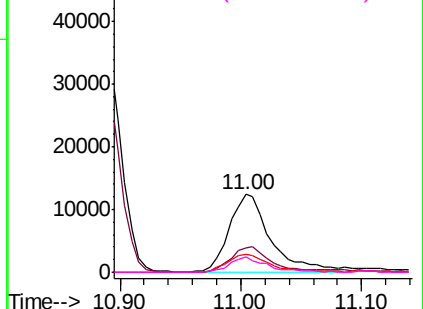
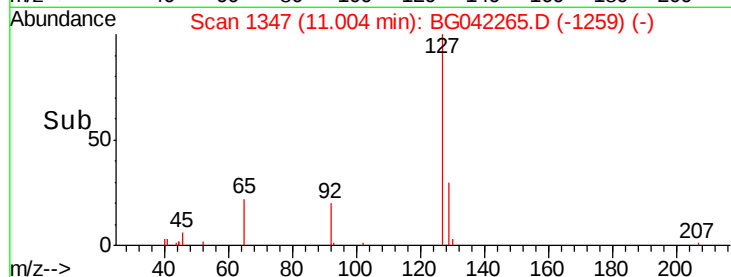
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

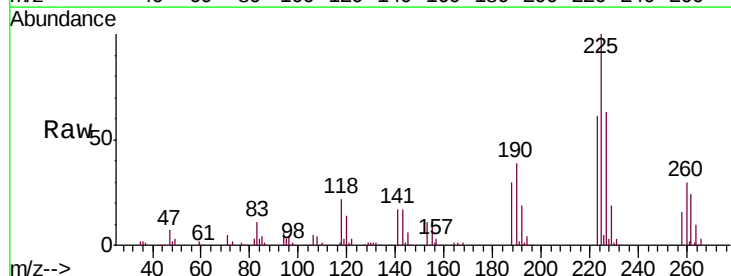
Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC



#34
Hexachlorobutadiene
Concen: 42.059 ng
RT: 11.17 min Scan# 1376
Delta R.T. -0.04 min
Lab File: BG042265.D
Acq: 16 Aug 2019 18:35

Tgt Ion:	225	Resp:	120091
Ion	Ratio	Lower	Upper
225	100		
223	61.1	51.1	76.7
227	62.8	50.9	76.3

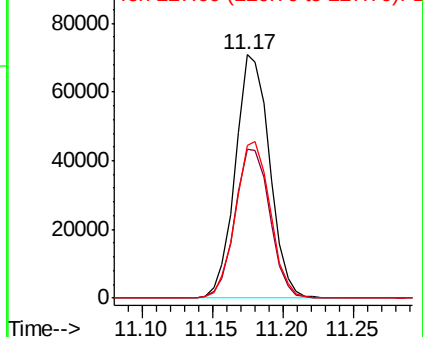
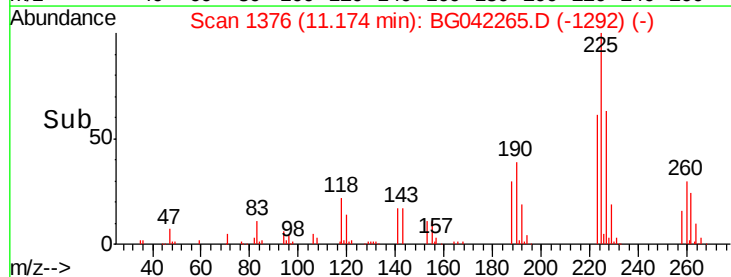


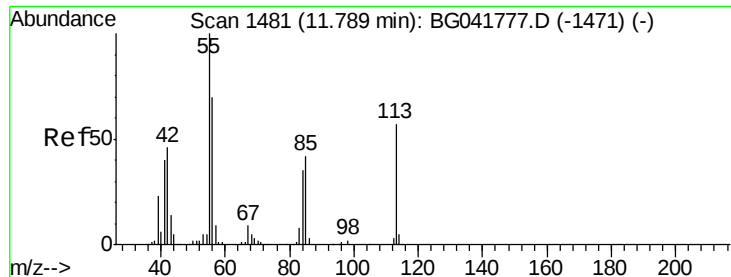
Abundance

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

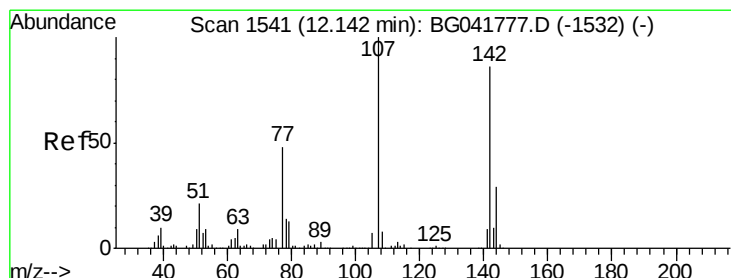
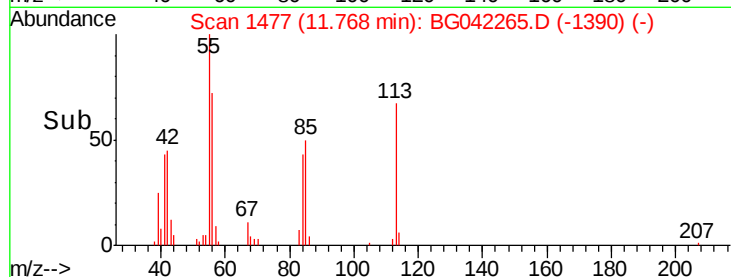
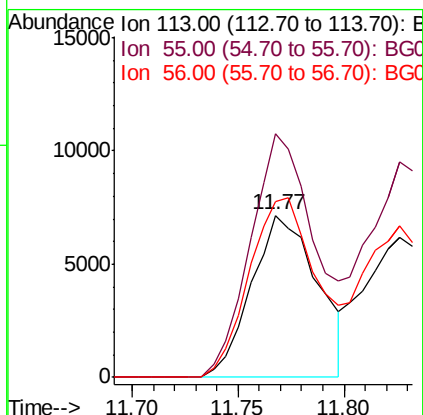
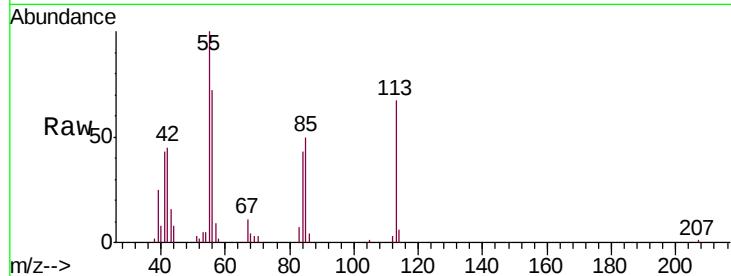




#35
 Caprolactam
 Concen: 13.420 ng
 RT: 11.77 min Scan# 1477
 Delta R.T. -0.02 min
 Lab File: BG042265.D
 Acq: 16 Aug 2019 18:35

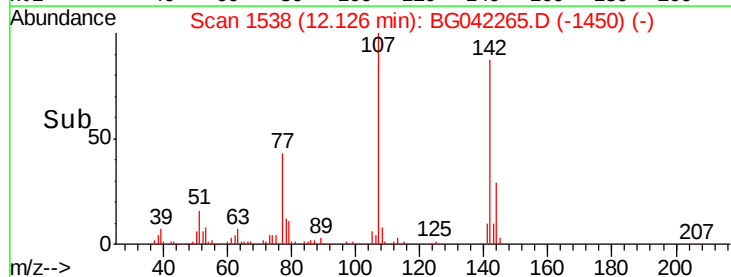
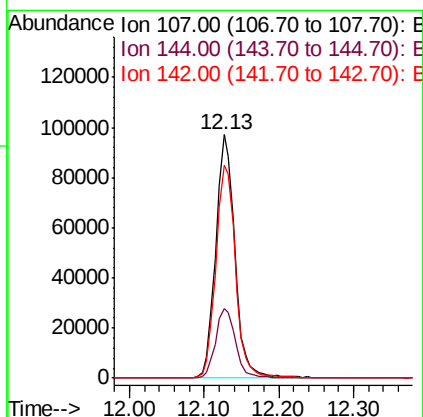
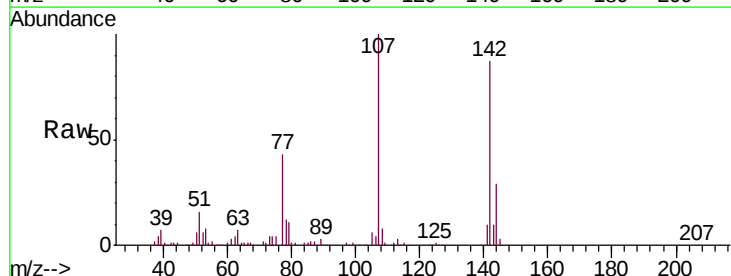
Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-3-C1-C4-(0-2)MSD

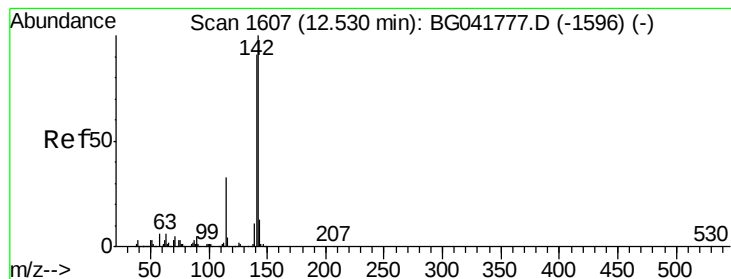
Tgt Ion:113 Resp: 15559
 Ion Ratio Lower Upper
 113 100
 55 150.0 199.4 239.4#
 56 108.1 133.6 173.6#



#36
 4-Chloro-3-methylphenol
 Concen: 52.315 ng
 RT: 12.13 min Scan# 1538
 Delta R.T. -0.02 min
 Lab File: BG042265.D
 Acq: 16 Aug 2019 18:35

Tgt Ion:107 Resp: 173034
 Ion Ratio Lower Upper
 107 100
 144 28.8 22.2 33.2
 142 87.4 67.3 100.9





#37

2-Methylnaphthalene

Concen: 47.973 ng

RT: 12.50 min Scan# 1601

Delta R.T. -0.03 min

Lab File: BG042265.D

Acq: 16 Aug 2019 18:35

Instrument :

BNA_G

ClientSampleId :

REACTOR-3-C1-C4-(0-2)MSD

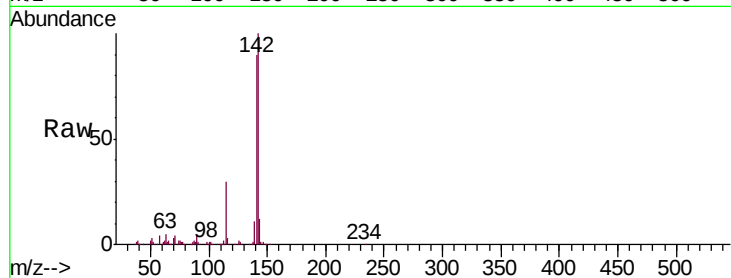
Tgt Ion:142 Resp: 379668

Ion Ratio Lower Upper

142 100

141 90.1 72.7 109.1

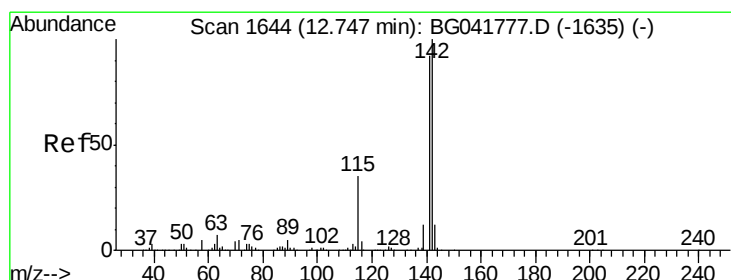
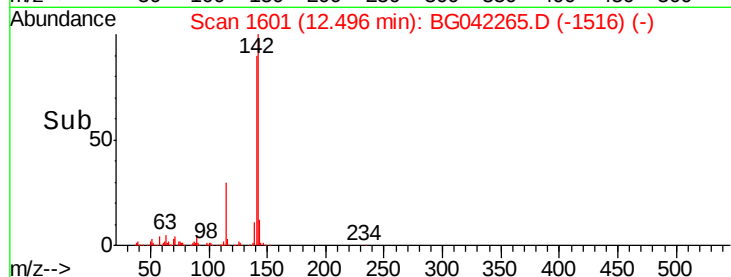
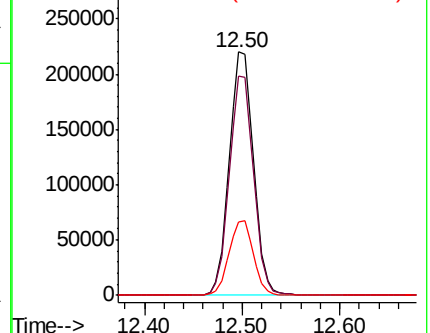
115 30.0 27.0 40.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 48.221 ng

RT: 12.72 min Scan# 1639

Delta R.T. -0.03 min

Lab File: BG042265.D

Acq: 16 Aug 2019 18:35

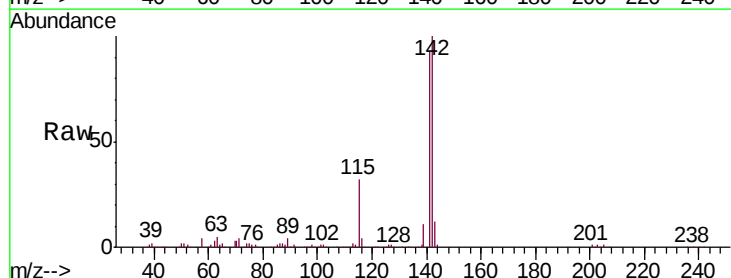
Tgt Ion:142 Resp: 361660

Ion Ratio Lower Upper

142 100

141 92.6 75.4 113.2

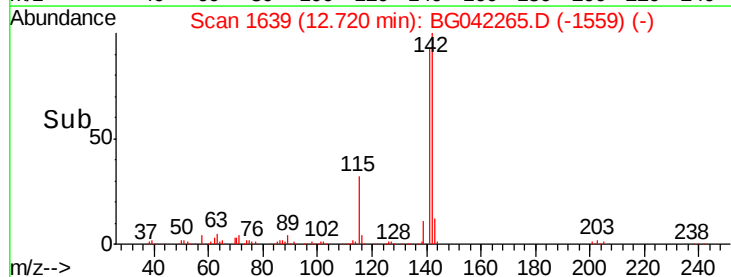
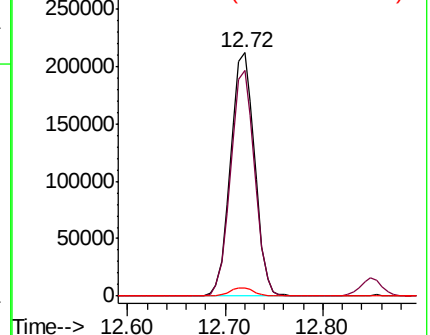
116 3.6 3.2 4.8

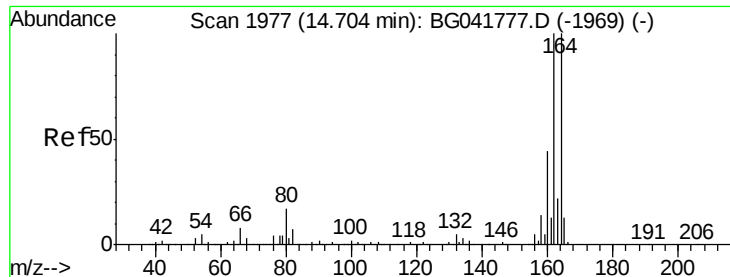


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1972

Delta R.T. -0.03 min

Lab File: BG042265.D

Acq: 16 Aug 2019 18:35

Instrument :

BNA_G

ClientSampleId :

REACTOR-3-C1-C4-(0-2)MSD

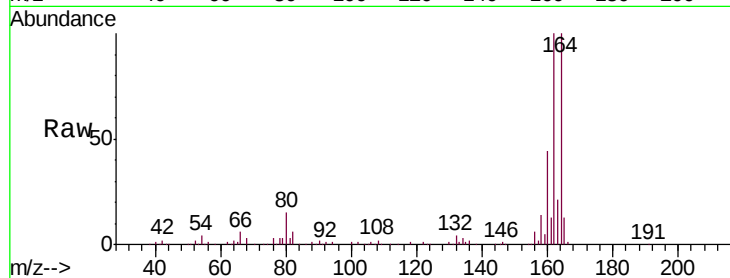
Tgt Ion:164 Resp: 163328

Ion Ratio Lower Upper

164 100

162 99.5 79.6 119.4

160 43.6 35.4 53.0



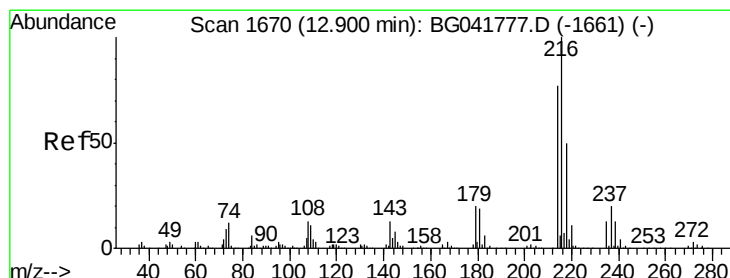
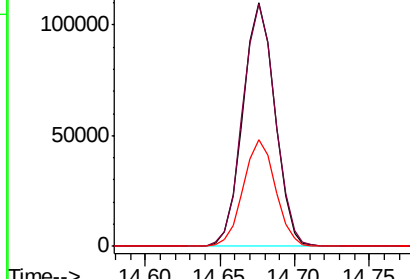
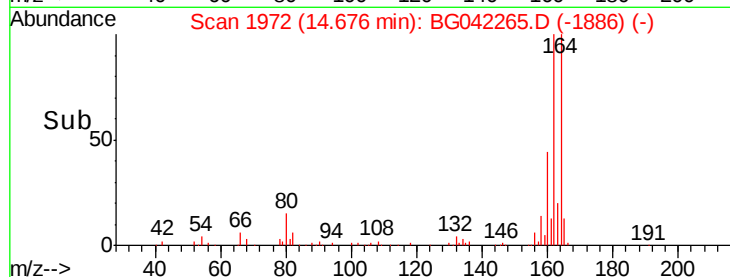
Abundance

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

14.68



#40

1,2,4,5-Tetrachlorobenzene

Concen: 45.559 ng

RT: 12.87 min Scan# 1665

Delta R.T. -0.03 min

Lab File: BG042265.D

Acq: 16 Aug 2019 18:35

Tgt Ion:216 Resp: 235538

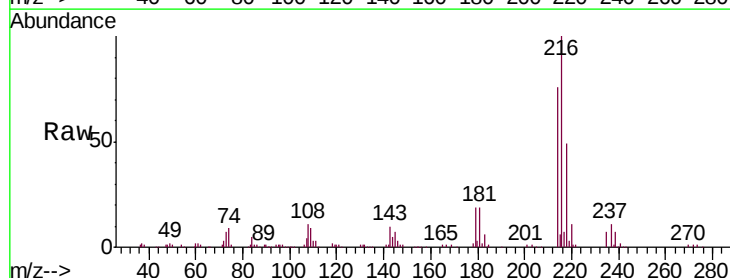
Ion Ratio Lower Upper

216 100

214 76.9 61.5 92.3

179 19.1 16.2 24.2

108 13.2 13.2 19.8



Abundance

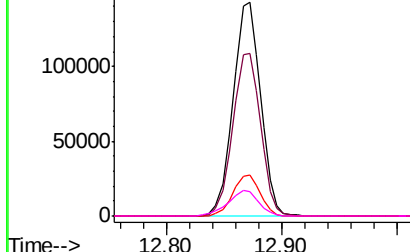
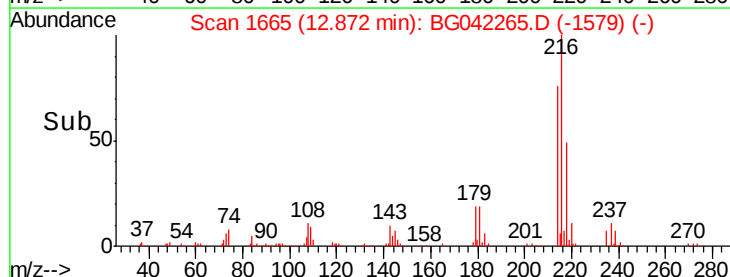
Ion 216.00 (215.70 to 216.70): E

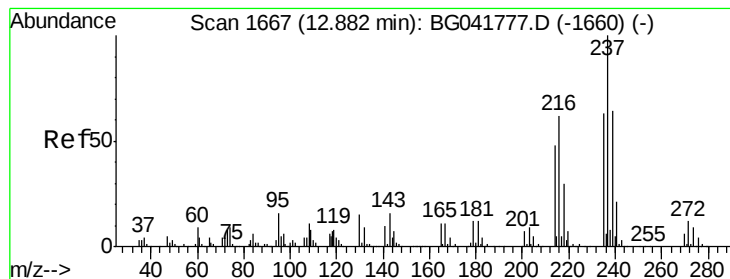
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

12.87





#41

Hexachlorocyclopentadiene

Concen: 85.941 ng

RT: 12.85 min Scan# 1661

Delta R.T. -0.03 min

Lab File: BG042265.D

Acq: 16 Aug 2019 18:35

Instrument :

BNA_G

ClientSampleId :

REACTOR-3-C1-C4-(0-2)MSD

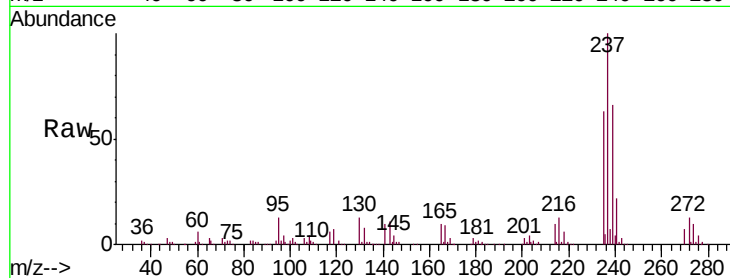
Tgt Ion:237 Resp: 249806

Ion Ratio Lower Upper

237 100

235 62.7 43.5 83.5

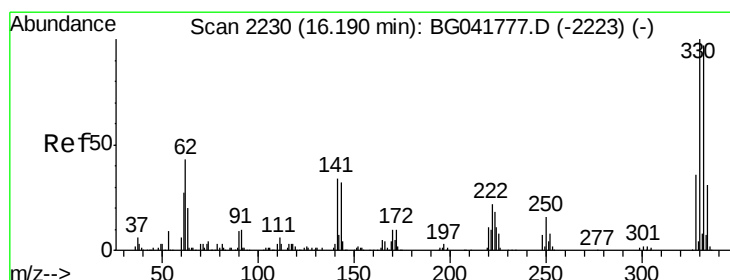
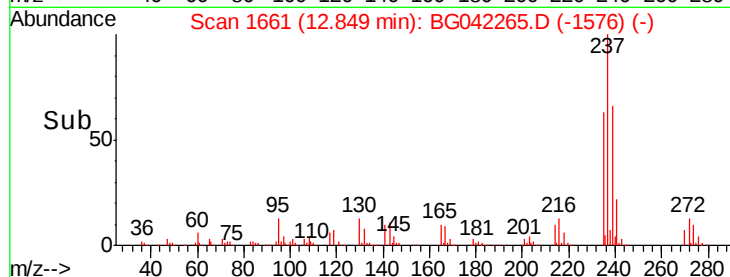
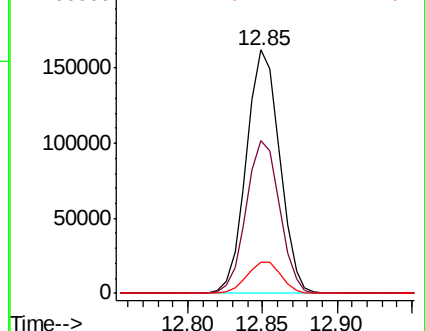
272 12.8 0.0 31.2



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: 183.856 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.02 min

Lab File: BG042265.D

Acq: 16 Aug 2019 18:35

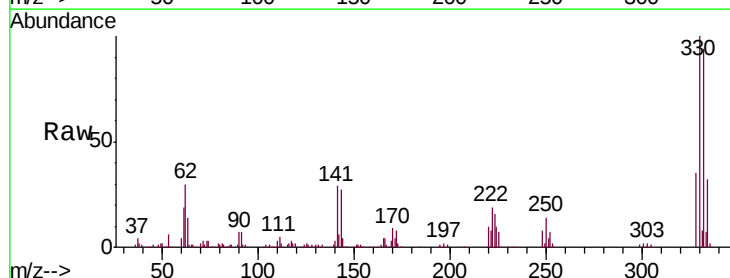
Tgt Ion:330 Resp: 341087

Ion Ratio Lower Upper

330 100

332 96.9 77.4 116.0

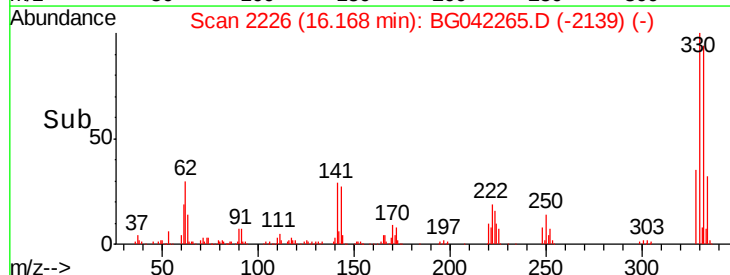
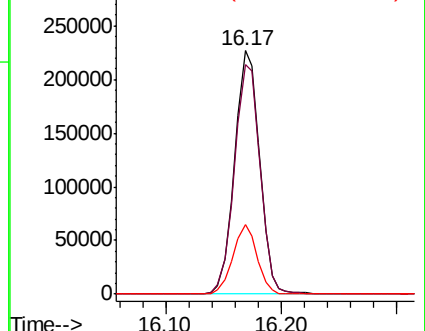
141 27.6 31.9 47.9#



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

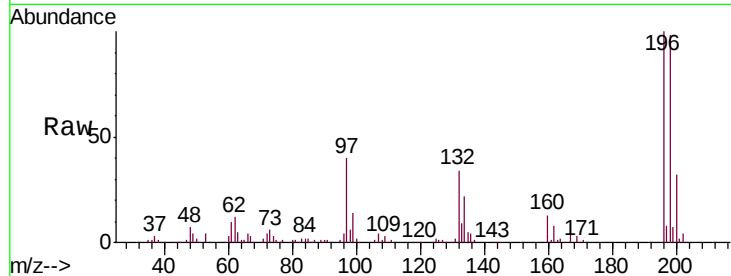




#43
 2,4,6-Trichlorophenol
 Concen: 51.908 ng
 RT: 13.11 min Scan# 1705
 Delta R.T. -0.02 min
 Lab File: BG042265.D
 Acq: 16 Aug 2019 18:35

Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-3-C1-C4-(0-2)MSD

Tgt Ion	Ratio	Lower	Upper
196	100		
198	98.2	79.6	119.4
200	32.1	25.2	37.8

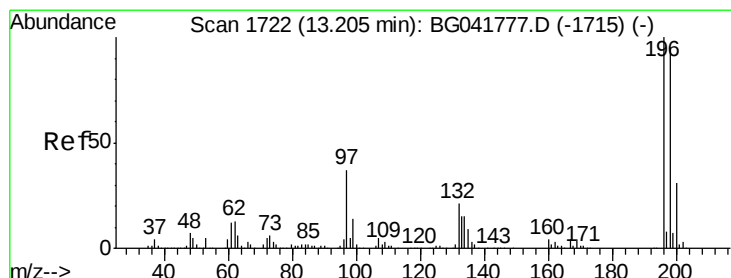
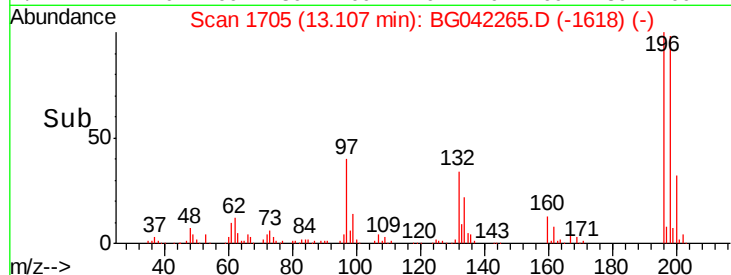
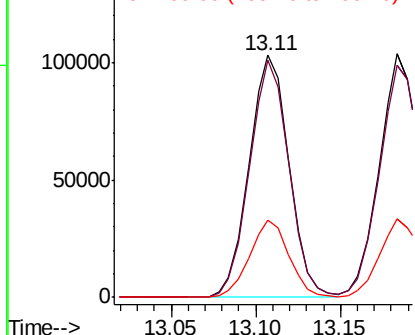


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44
 2,4,5-Trichlorophenol
 Concen: 54.368 ng
 RT: 13.18 min Scan# 1718
 Delta R.T. -0.02 min
 Lab File: BG042265.D
 Acq: 16 Aug 2019 18:35

Tgt Ion	Ratio	Lower	Upper
196	100		
198	95.2	80.6	121.0
97	32.9	33.9	50.9
132	20.8	20.2	30.2

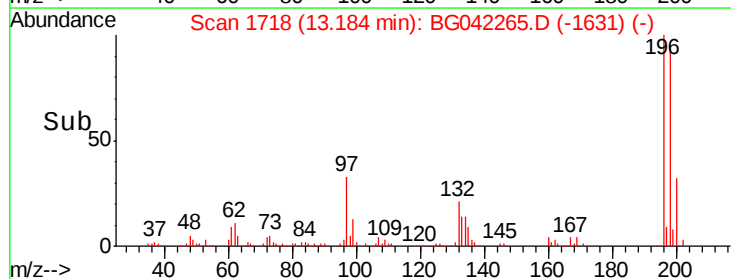
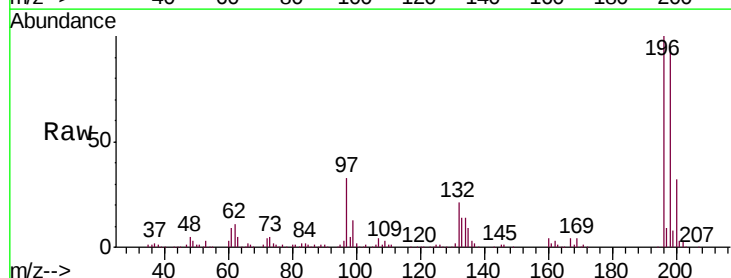
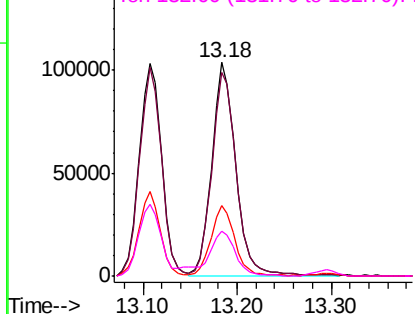
Abundance

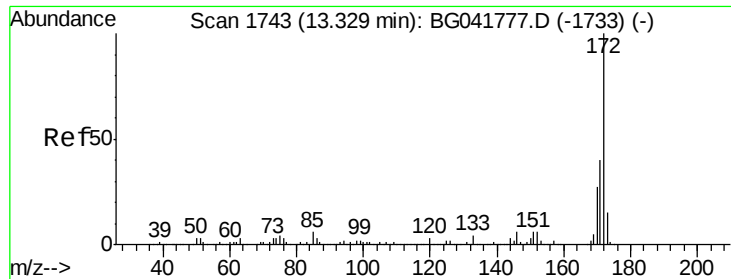
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BGC

Ion 132.00 (131.70 to 132.70): E

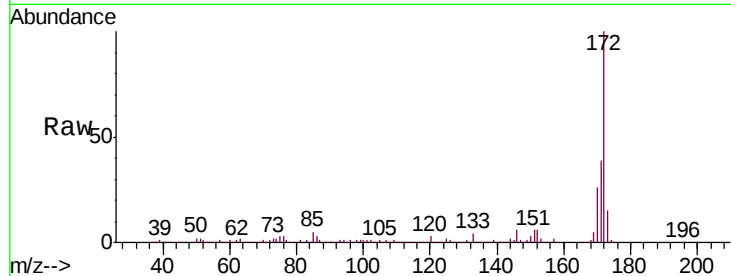




#45
 2-Fluorobiphenyl
 Concen: 103.017 ng
 RT: 13.30 min Scan# 1737
 Delta R.T. -0.03 min
 Lab File: BG042265.D
 Acq: 16 Aug 2019 18:35

Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-3-C1-C4-(0-2)MSD

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.1	35.0	52.4
170	25.9	23.5	35.3

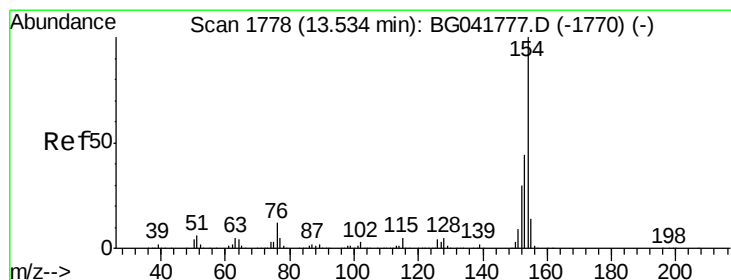
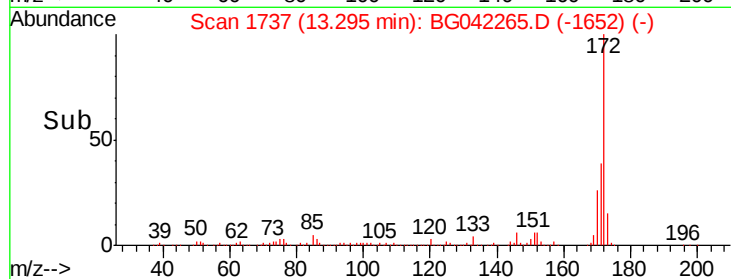
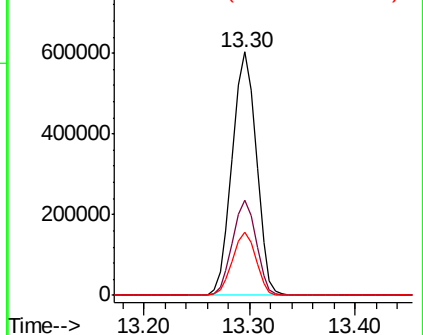


Abundance

Ion 172.00 (171.70 to 172.70): E

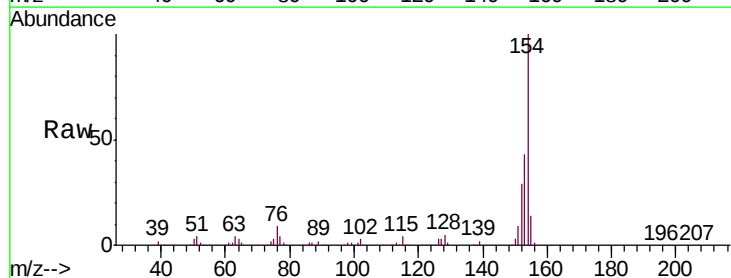
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
 1,1'-Biphenyl
 Concen: 47.583 ng
 RT: 13.51 min Scan# 1773
 Delta R.T. -0.03 min
 Lab File: BG042265.D
 Acq: 16 Aug 2019 18:35

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.9	25.0	65.0
76	9.4	0.0	34.5

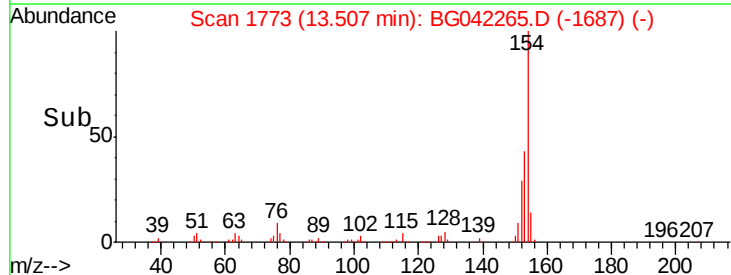
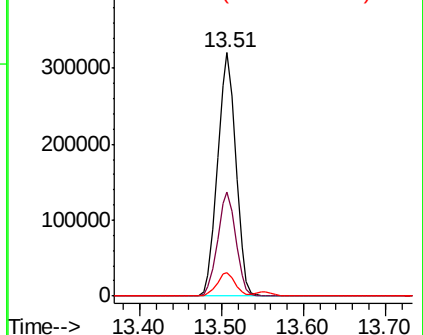


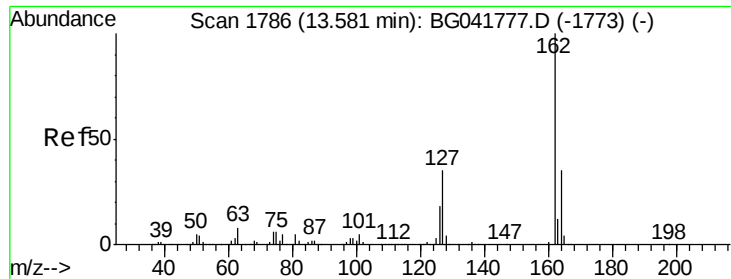
Abundance

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

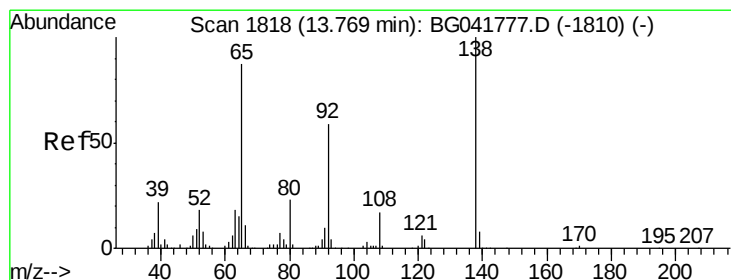
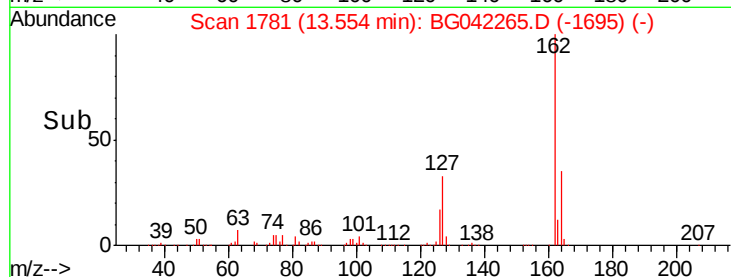
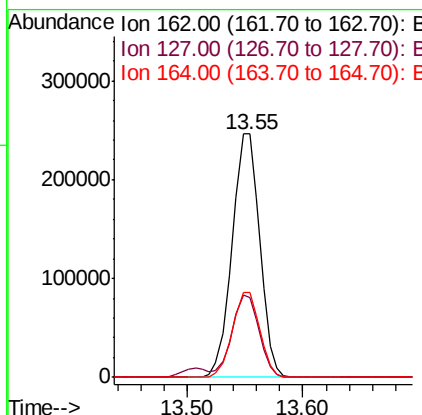
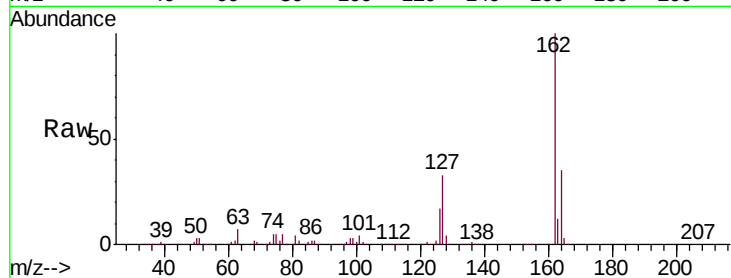




#47
2-Chloronaphthalene
Concen: 45.641 ng
RT: 13.55 min Scan# 1781
Delta R.T. -0.03 min
Lab File: BG042265.D
Acq: 16 Aug 2019 18:35

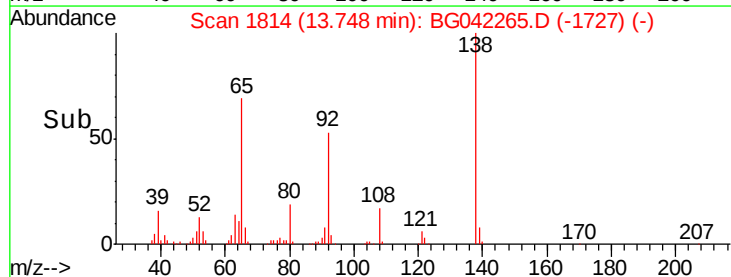
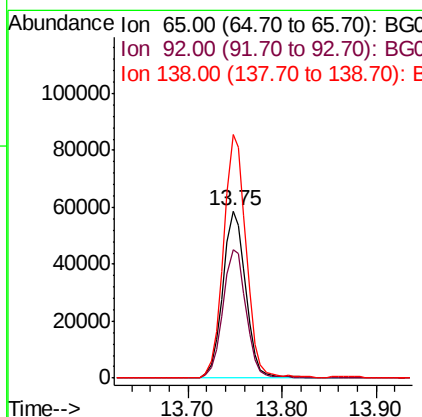
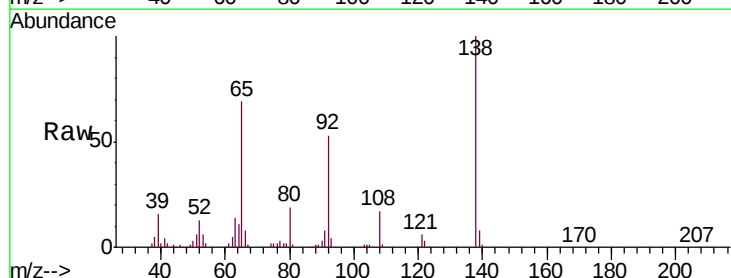
Instrument :
BNA_G
ClientSampleId :
REACTOR-3-C1-C4-(0-2)MSD

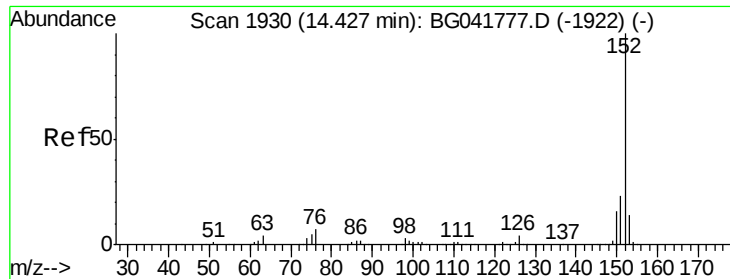
Tgt Ion: 162 Resp: 407985
Ion Ratio Lower Upper
162 100
127 32.8 30.4 45.6
164 34.8 28.6 42.8



#48
2-Nitroaniline
Concen: 43.863 ng
RT: 13.75 min Scan# 1814
Delta R.T. -0.02 min
Lab File: BG042265.D
Acq: 16 Aug 2019 18:35

Tgt Ion: 65 Resp: 99443
Ion Ratio Lower Upper
65 100
92 77.3 53.9 80.9
138 145.9 83.5 125.3#





#49

Acenaphthylene

Concen: 49.466 ng

RT: 14.40 min Scan# 1925

Delta R.T. -0.03 min

Lab File: BG042265.D

Acq: 16 Aug 2019 18:35

Instrument :

BNA_G

ClientSampleId :

REACTOR-3-C1-C4-(0-2)MSD

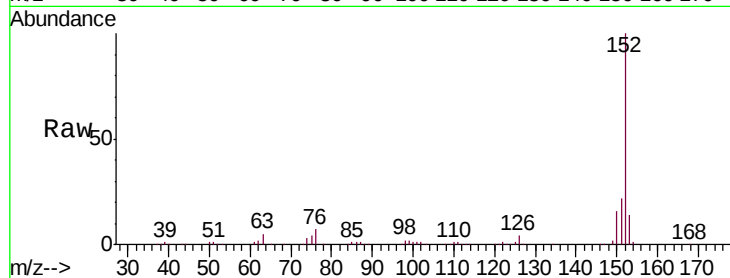
Tgt Ion:152 Resp: 661423

Ion Ratio Lower Upper

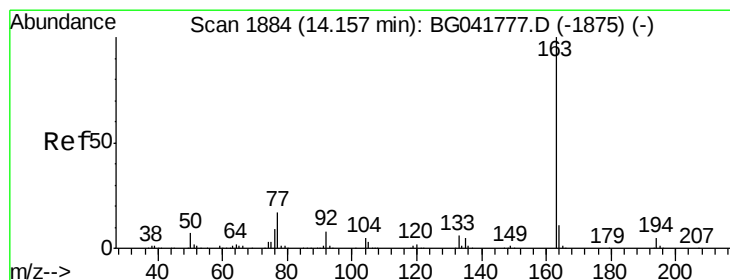
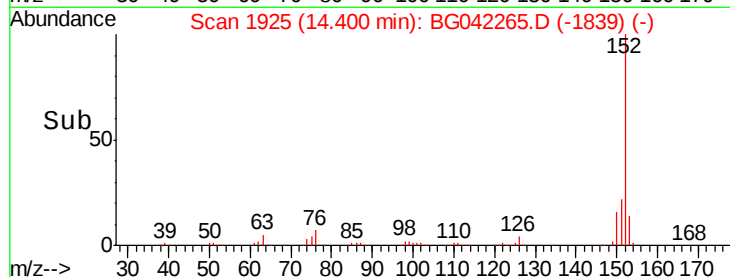
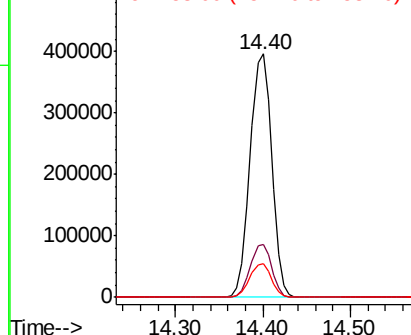
152 100

151 21.8 18.7 28.1

153 14.0 12.4 18.6



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: 50.502 ng

RT: 14.13 min Scan# 1879

Delta R.T. -0.03 min

Lab File: BG042265.D

Acq: 16 Aug 2019 18:35

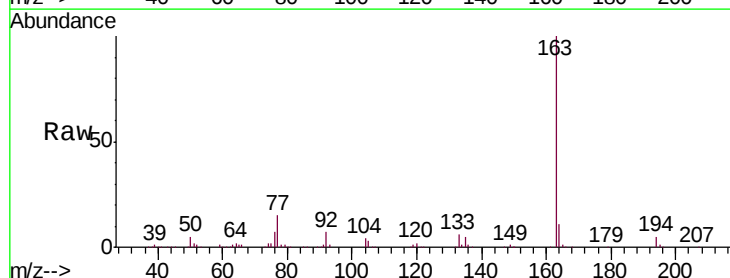
Tgt Ion:163 Resp: 563328

Ion Ratio Lower Upper

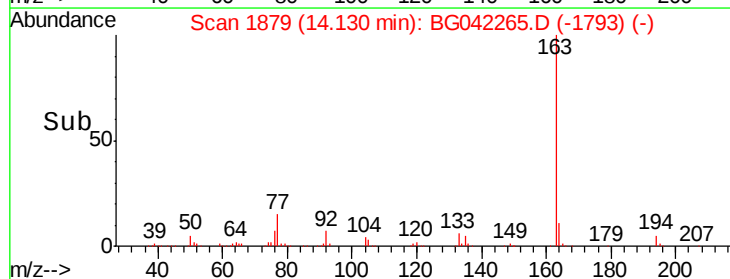
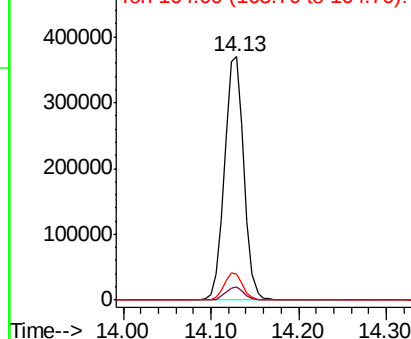
163 100

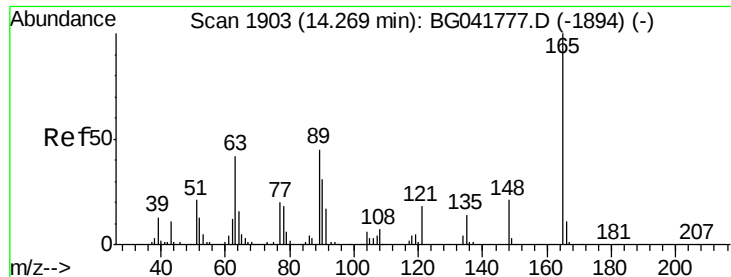
194 5.2 4.2 6.2

164 10.6 9.4 14.2



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

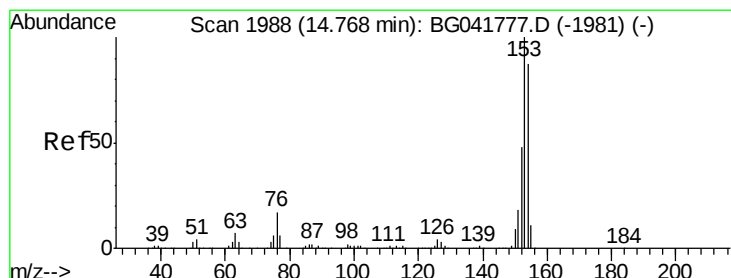
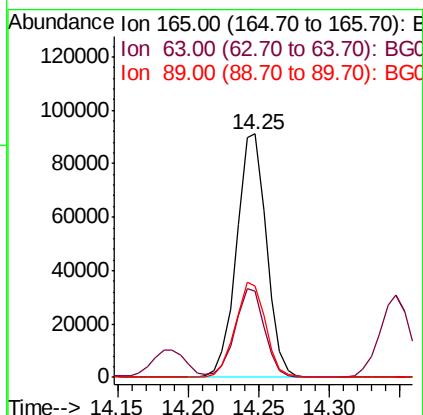
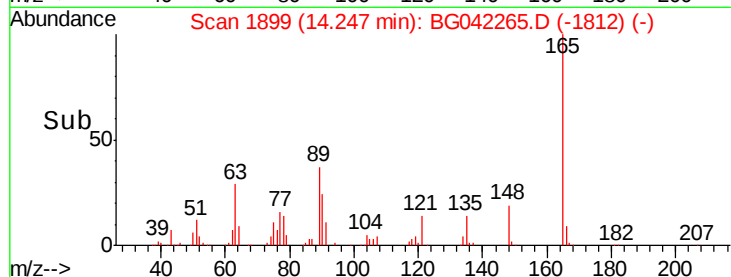
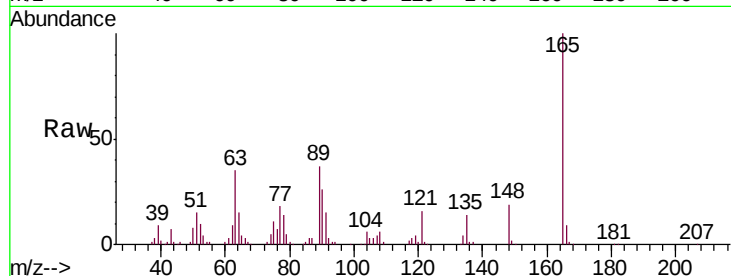




#51
 2,6-Dinitrotoluene
 Concen: 57.805 ng
 RT: 14.25 min Scan# 1899
 Delta R.T. -0.02 min
 Lab File: BG042265.D
 Acq: 16 Aug 2019 18:35

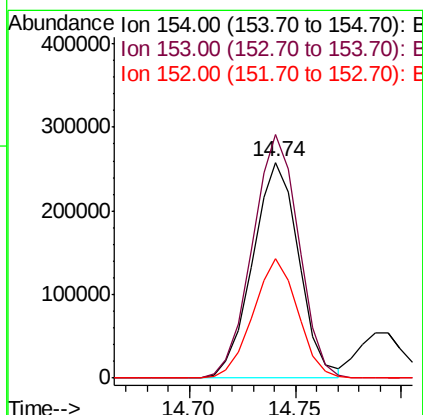
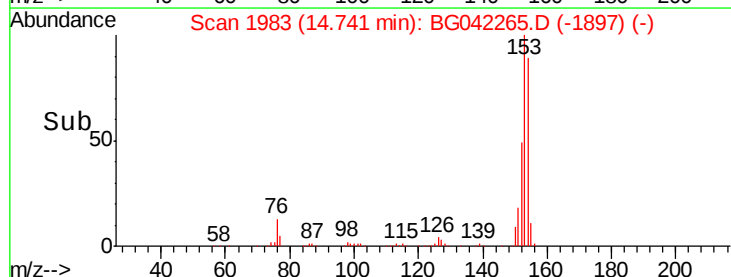
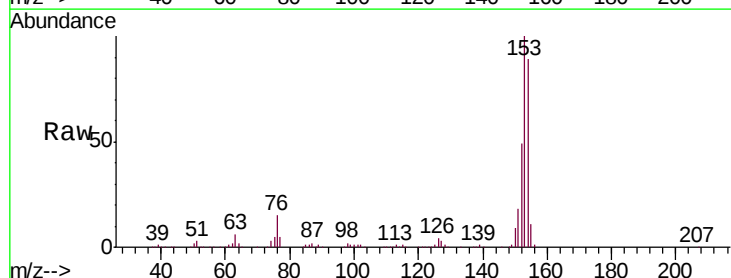
Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-3-C1-C4-(0-2)MSD

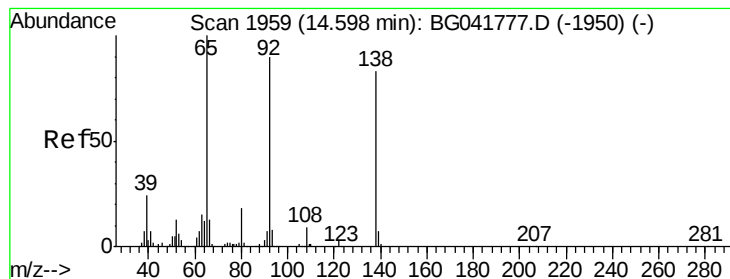
Tgt Ion:165 Resp: 134826
 Ion Ratio Lower Upper
 165 100
 63 35.4 42.4 63.6#
 89 37.5 42.1 63.1#



#52
 Acenaphthene
 Concen: 45.269 ng
 RT: 14.74 min Scan# 1983
 Delta R.T. -0.03 min
 Lab File: BG042265.D
 Acq: 16 Aug 2019 18:35

Tgt Ion:154 Resp: 393682
 Ion Ratio Lower Upper
 154 100
 153 112.7 89.8 134.6
 152 55.0 44.9 67.3





#53

3-Nitroaniline

Concen: 25.600 ng

RT: 14.58 min Scan# 1955

Delta R.T. -0.02 min

Lab File: BG042265.D

Acq: 16 Aug 2019 18:35

Instrument :

BNA_G

ClientSampleId :

REACTOR-3-C1-C4-(0-2)MSD

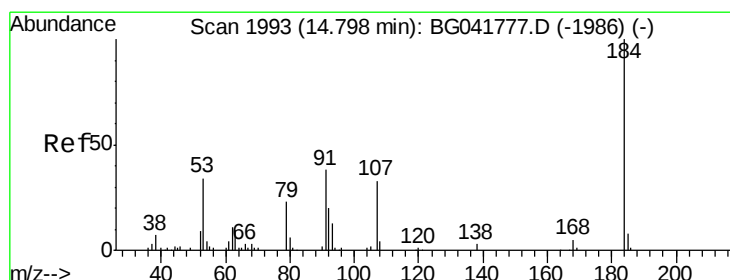
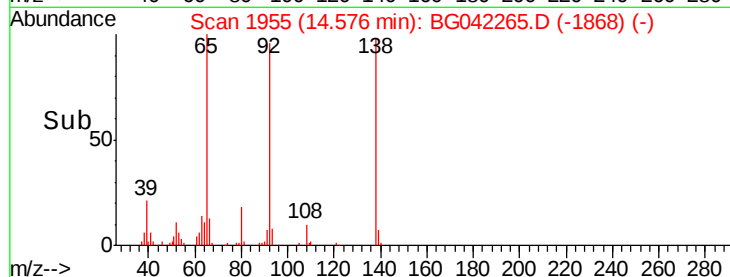
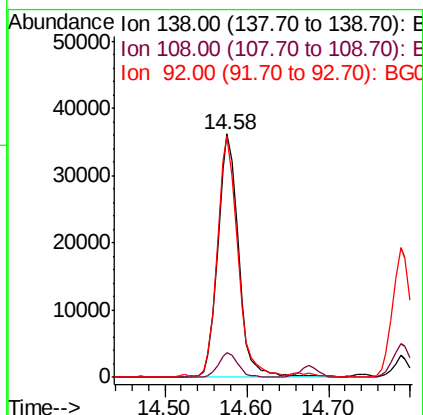
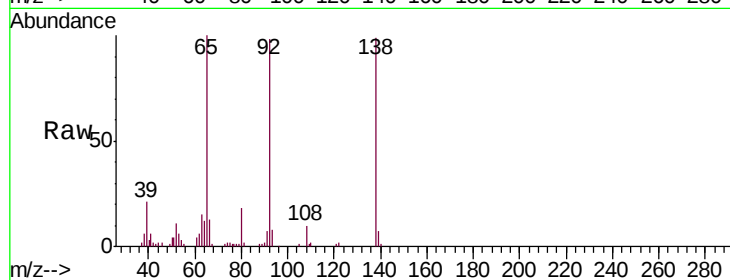
Tgt Ion:138 Resp: 63879

Ion Ratio Lower Upper

138 100

108 10.0 10.3 15.5#

92 99.2 93.0 139.4



#54

2,4-Dinitrophenol

Concen: 112.104 ng

RT: 14.79 min Scan# 1991

Delta R.T. -0.01 min

Lab File: BG042265.D

Acq: 16 Aug 2019 18:35

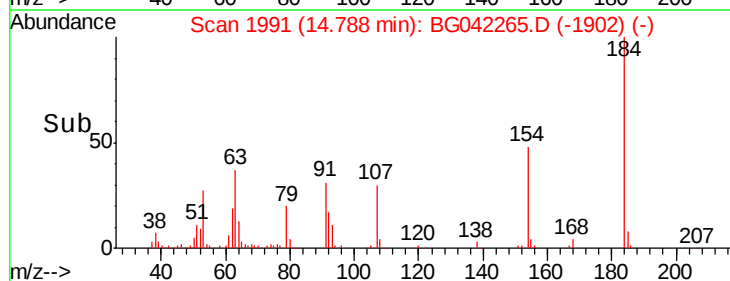
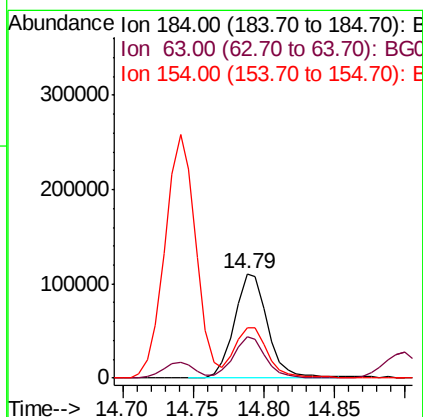
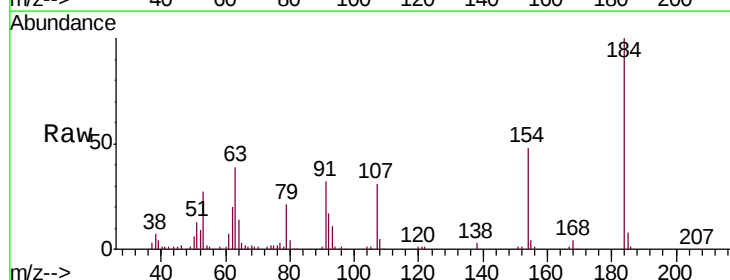
Tgt Ion:184 Resp: 182129

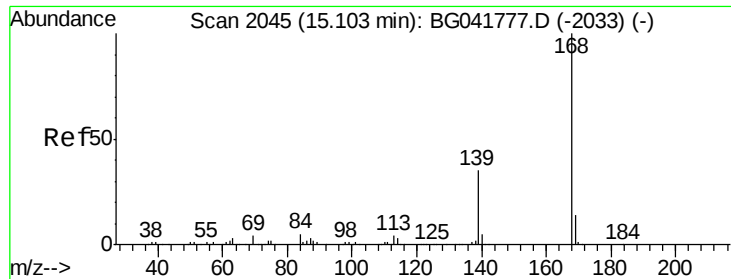
Ion Ratio Lower Upper

184 100

63 39.4 43.2 64.8#

154 48.3 51.4 77.2#

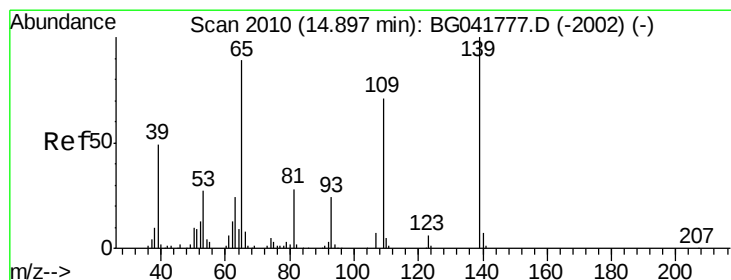
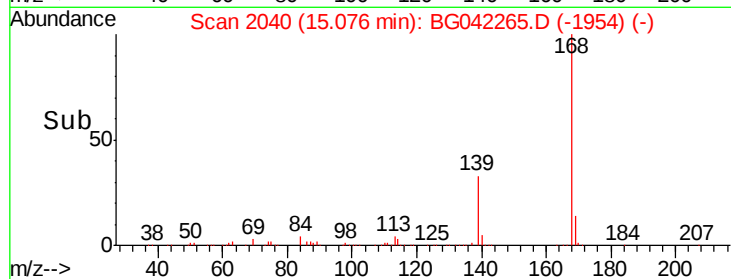
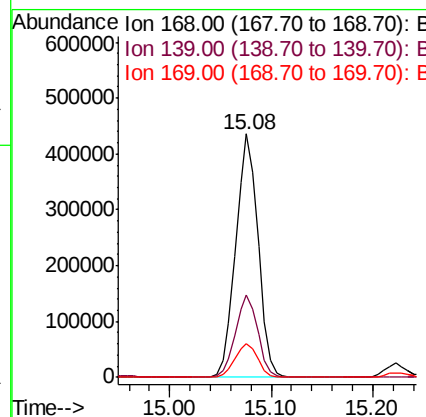
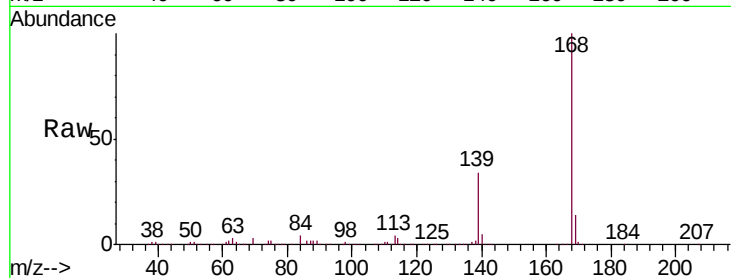




#55
Dibenzenofuran
Concen: 49.861 ng
RT: 15.08 min Scan# 2040
Delta R.T. -0.03 min
Lab File: BG042265.D
Acq: 16 Aug 2019 18:35

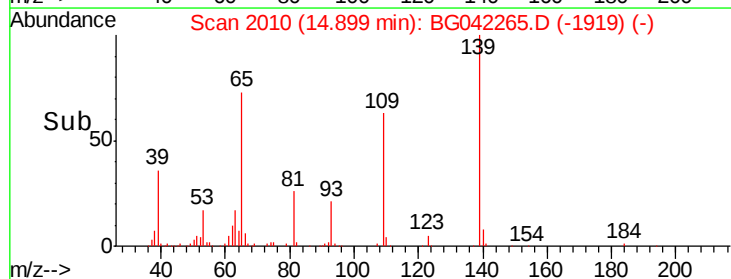
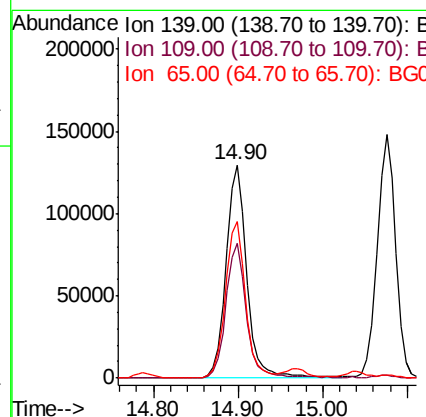
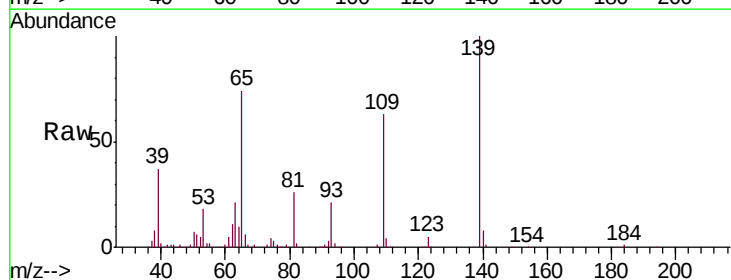
Instrument :
BNA_G
ClientSampleId :
REACTOR-3-C1-C4-(0-2)MSD

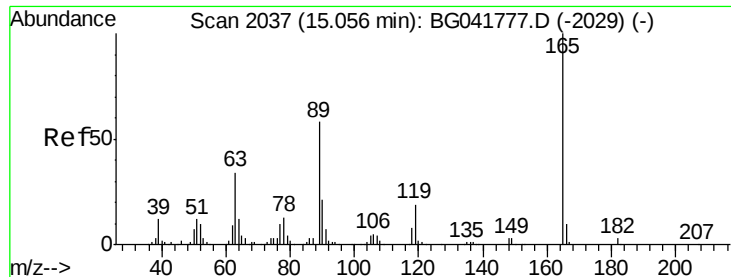
Tgt Ion	Ratio	Lower	Upper
168	100		
139	33.9	31.9	47.9
169	14.1	12.5	18.7



#56
4-Nitrophenol
Concen: 116.549 ng
RT: 14.90 min Scan# 2010
Delta R.T. 0.00 min
Lab File: BG042265.D
Acq: 16 Aug 2019 18:35

Tgt Ion	Ratio	Lower	Upper
139	100		
109	63.4	51.3	91.3
65	73.6	77.6	117.6#

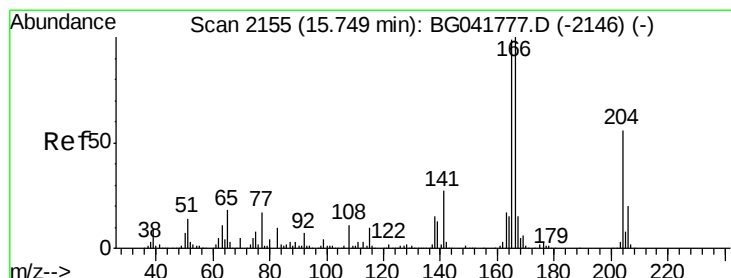
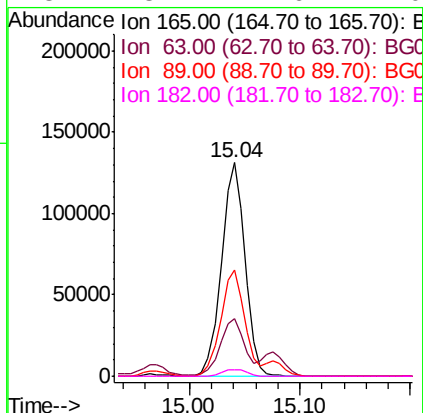
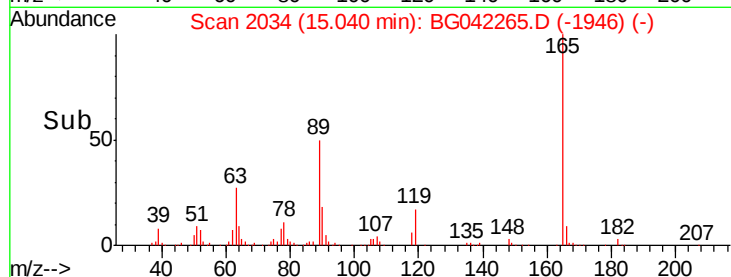
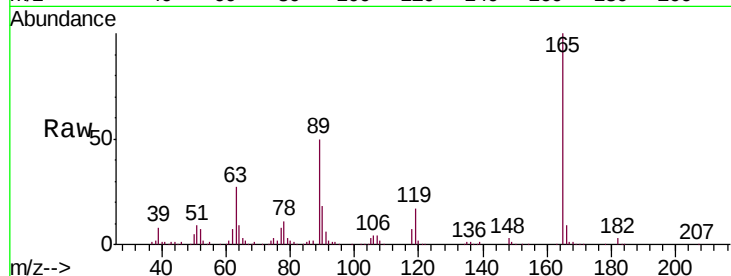




#57
 2,4-Dinitrotoluene
 Concen: 60.717 ng
 RT: 15.04 min Scan# 2034
 Delta R.T. -0.02 min
 Lab File: BG042265.D
 Acq: 16 Aug 2019 18:35

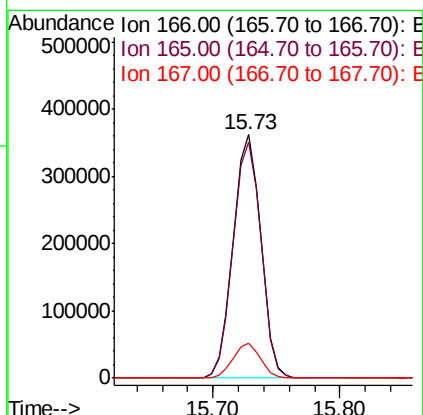
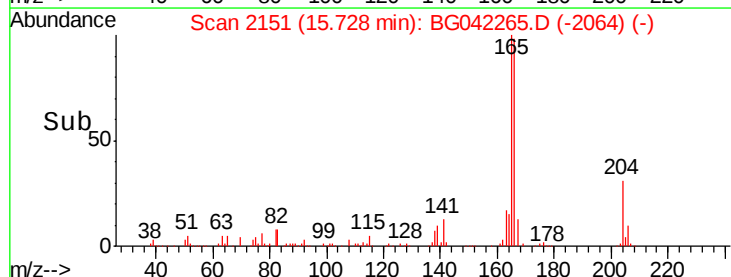
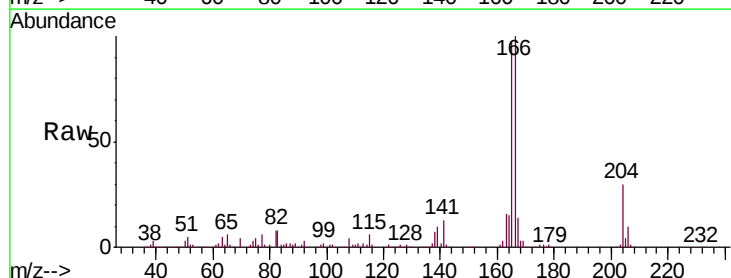
Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-3-C1-C4-(0-2)MSD

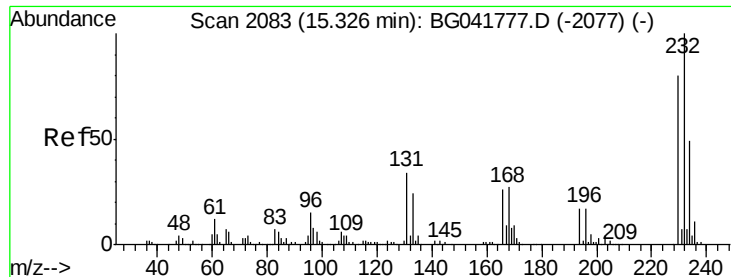
Tgt Ion	Ratio	Lower	Upper
165	100		
63	27.0	31.7	47.5#
89	49.7	50.2	75.4#
182	3.2	2.6	4.0



#58
 Fluorene
 Concen: 51.153 ng
 RT: 15.73 min Scan# 2151
 Delta R.T. -0.02 min
 Lab File: BG042265.D
 Acq: 16 Aug 2019 18:35

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.8	80.5	120.7
167	14.2	12.4	18.6

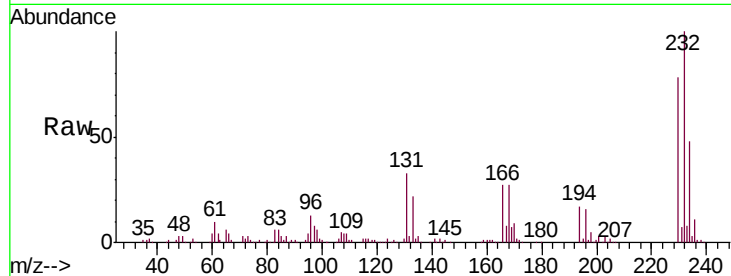




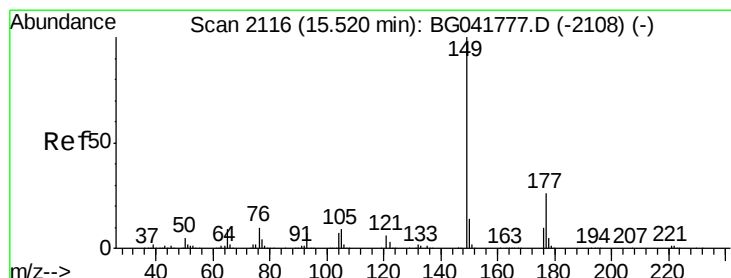
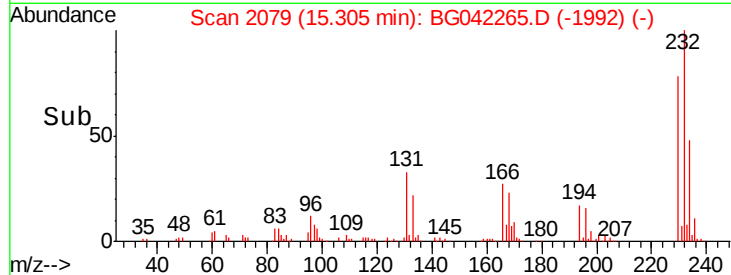
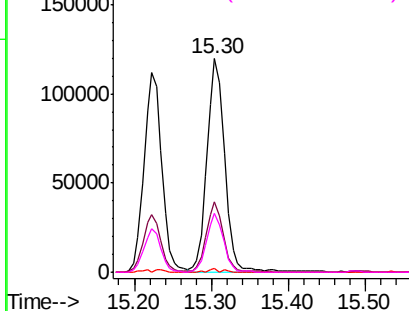
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 55.964 ng
 RT: 15.30 min Scan# 2079
 Delta R.T. -0.02 min
 Lab File: BG042265.D
 Acq: 16 Aug 2019 18:35

Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-3-C1-C4-(0-2)MSD

Tgt Ion:	232	Resp:	188217
Ion Ratio	Lower	Upper	
232	100		
131	32.1	31.8	47.6
130	1.2	1.8	2.8#
166	25.7	23.5	35.3

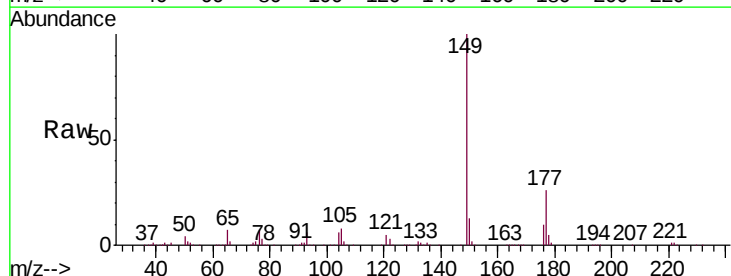


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

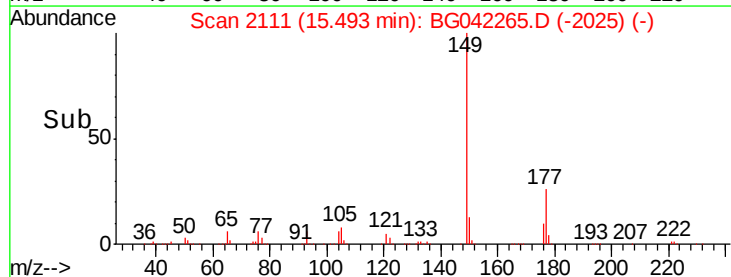
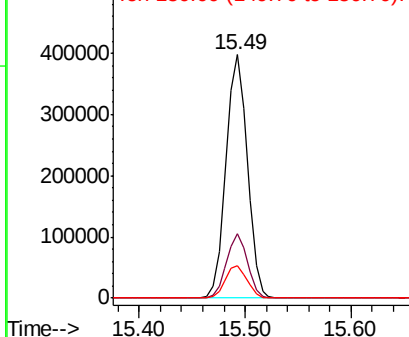


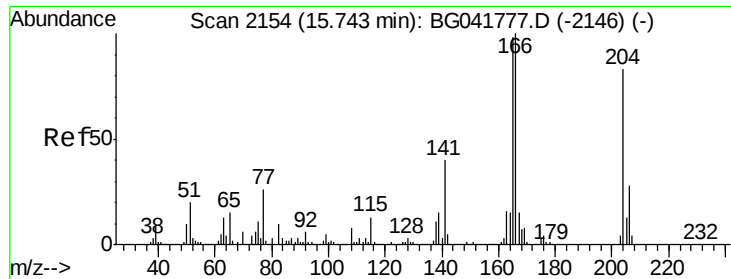
#60
 Diethylphthalate
 Concen: 50.575 ng
 RT: 15.49 min Scan# 2111
 Delta R.T. -0.03 min
 Lab File: BG042265.D
 Acq: 16 Aug 2019 18:35

Tgt Ion:	149	Resp:	553858
Ion Ratio	Lower	Upper	
149	100		
177	26.4	20.7	31.1
150	13.4	11.5	17.3



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

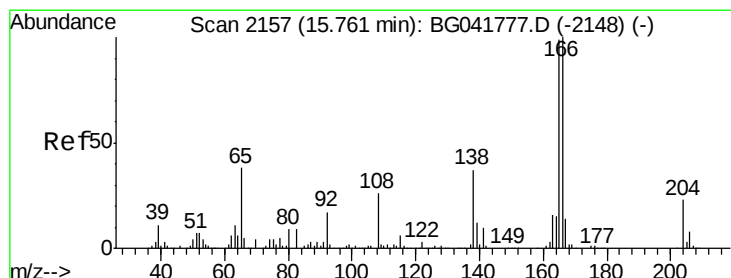
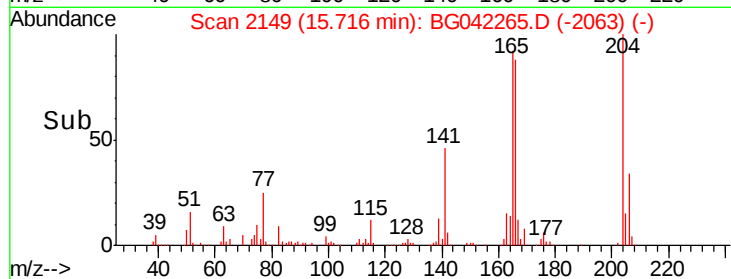
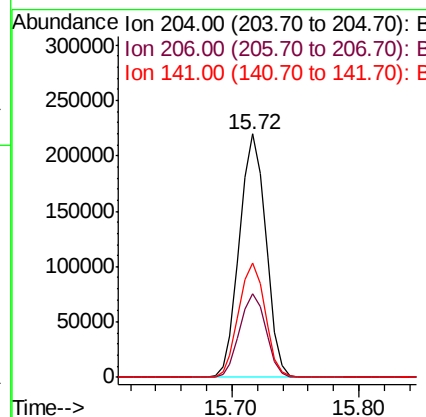
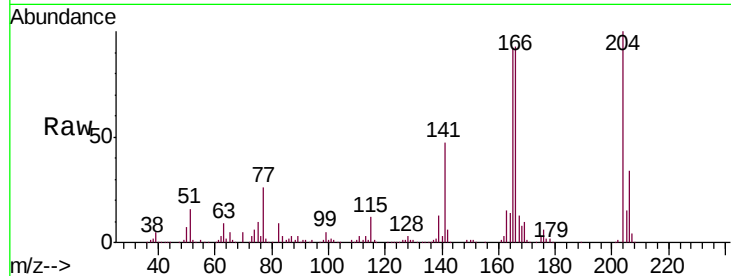




#61
4-Chlorophenyl-phenylether
Concen: 48.622 ng
RT: 15.72 min Scan# 2149
Delta R.T. -0.03 min
Lab File: BG042265.D
Acq: 16 Aug 2019 18:35

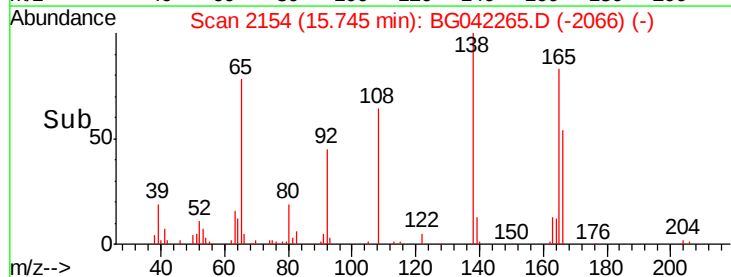
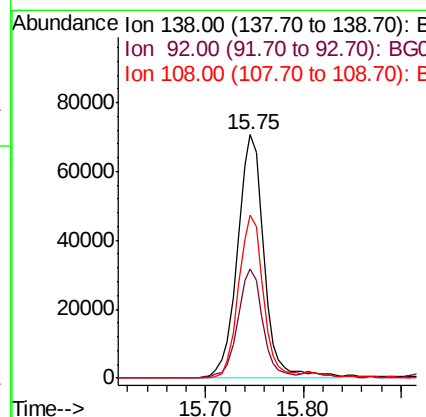
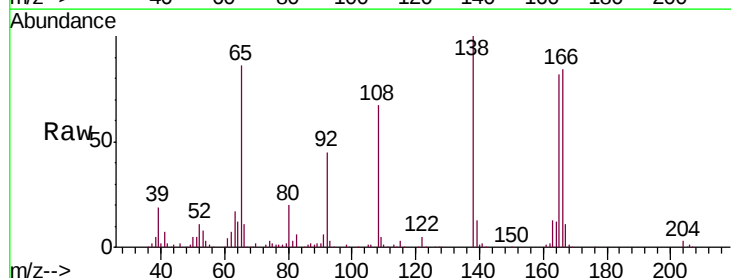
Instrument :
BNA_G
ClientSampleId :
REACTOR-3-C1-C4-(0-2)MSD

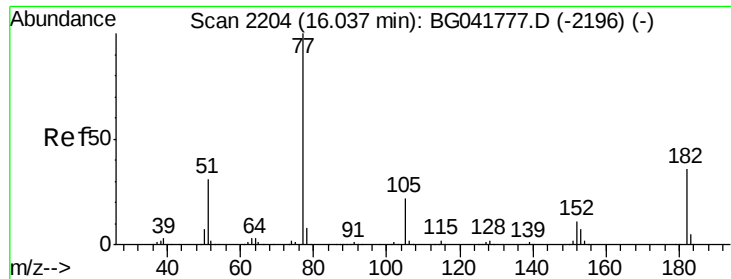
Tgt Ion: 204 Resp: 316863
Ion Ratio Lower Upper
204 100
206 34.4 28.6 42.8
141 46.7 42.9 64.3



#62
4-Nitroaniline
Concen: 49.448 ng
RT: 15.75 min Scan# 2154
Delta R.T. -0.02 min
Lab File: BG042265.D
Acq: 16 Aug 2019 18:35

Tgt Ion: 138 Resp: 133647
Ion Ratio Lower Upper
138 100
92 45.0 29.8 69.8
108 67.0 52.2 92.2

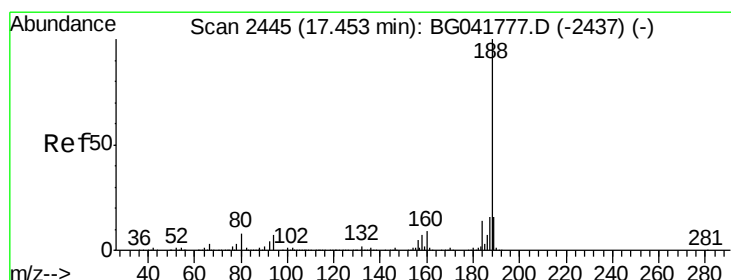
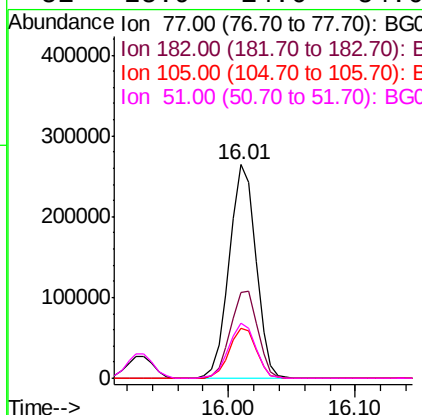
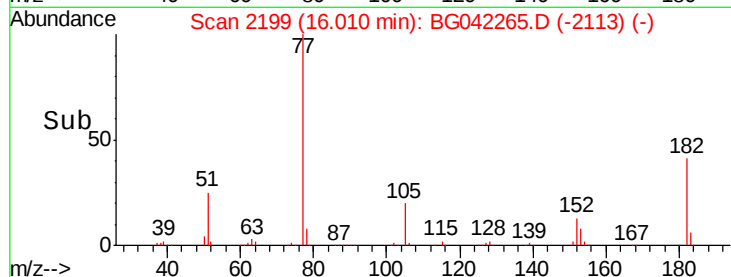
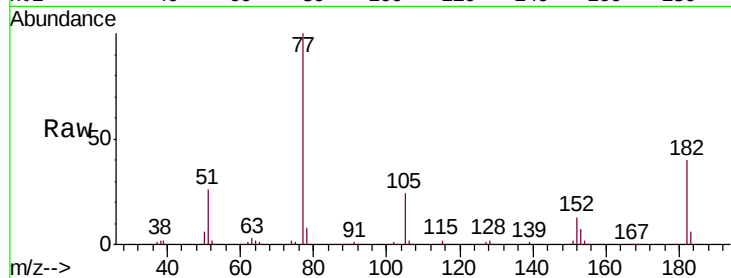




#63
Azobenzene
Concen: 42.810 ng
RT: 16.01 min Scan# 2199
Delta R.T. -0.03 min
Lab File: BG042265.D
Acq: 16 Aug 2019 18:35

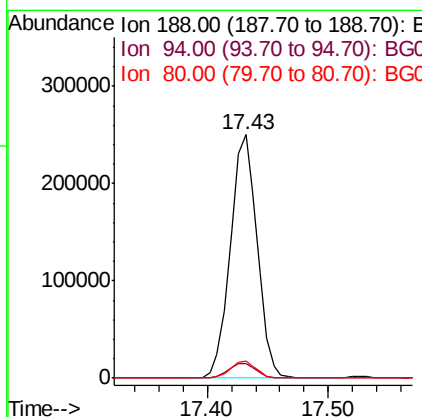
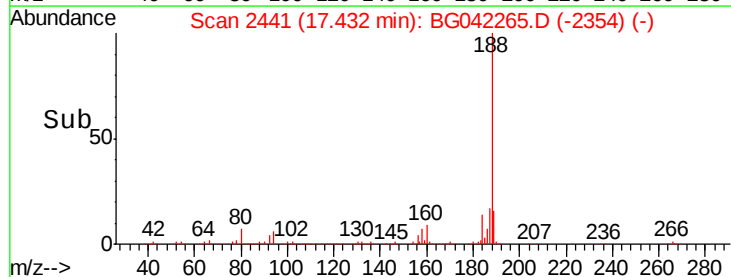
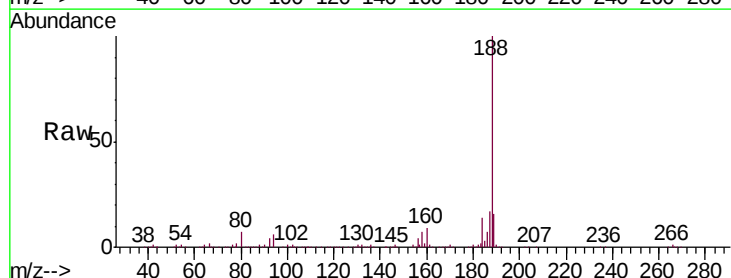
Instrument :
BNA_G
ClientSampleId :
REACTOR-3-C1-C4-(0-2)MSD

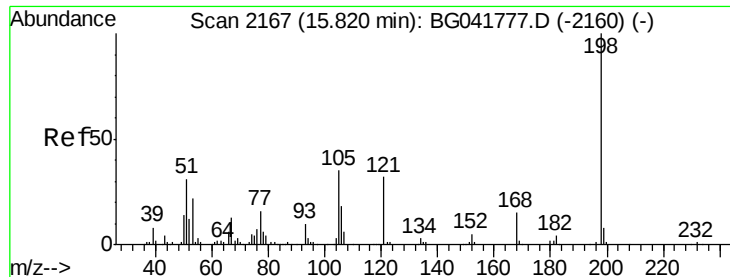
Tgt Ion:	77	Resp:	382975
Ion	Ratio	Lower	Upper
77	100		
182	40.1	13.2	53.2
105	23.7	2.2	42.2
51	25.9	14.6	54.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.43 min Scan# 2441
Delta R.T. -0.02 min
Lab File: BG042265.D
Acq: 16 Aug 2019 18:35

Tgt Ion:	188	Resp:	387098
Ion	Ratio	Lower	Upper
188	100		
94	6.2	6.9	10.3#
80	6.8	8.0	12.0#

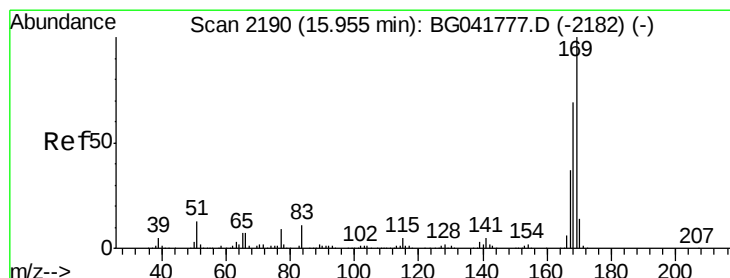
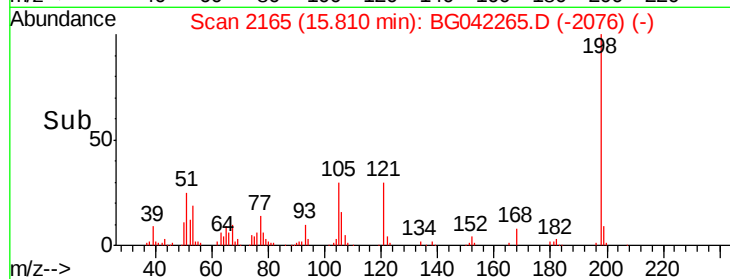
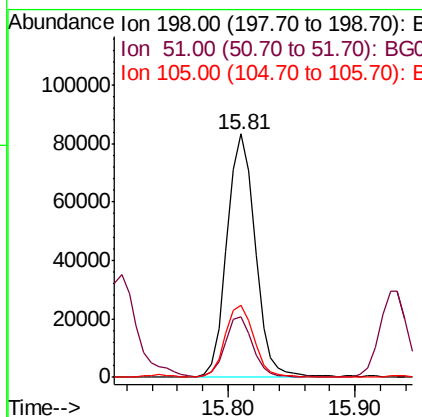
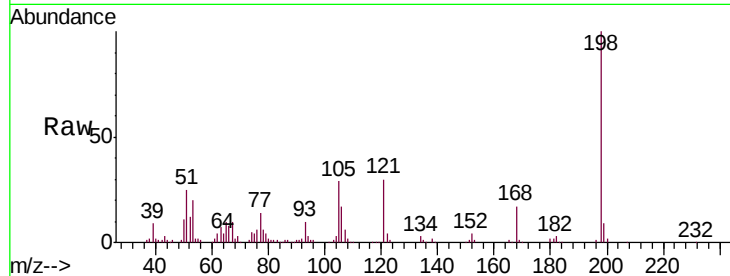




#65
 4,6-Dinitro-2-methylphenol
 Concen: 65.136 ng
 RT: 15.81 min Scan# 2165
 Delta R.T. -0.01 min
 Lab File: BG042265.D
 Acq: 16 Aug 2019 18:35

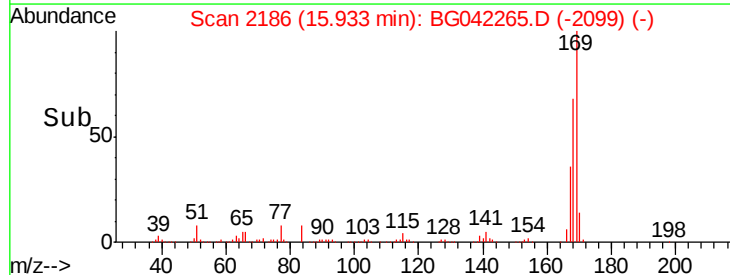
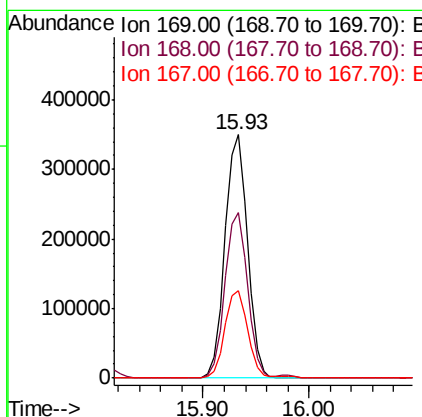
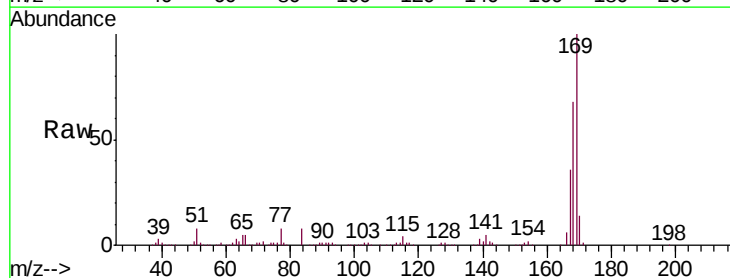
Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-3-C1-C4-(0-2)MSD

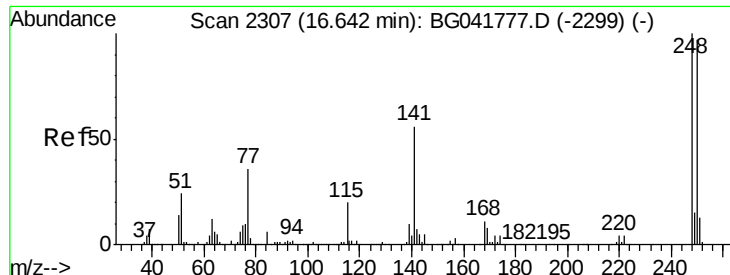
Tgt Ion	Resp	Lower	Upper
198	128814		
51	24.8	22.3	62.3
105	29.3	18.0	58.0



#66
 n-Nitrosodiphenylamine
 Concen: 49.011 ng
 RT: 15.93 min Scan# 2186
 Delta R.T. -0.02 min
 Lab File: BG042265.D
 Acq: 16 Aug 2019 18:35

Tgt Ion	Resp	Lower	Upper
169	516784		
168	68.2	56.9	85.3
167	36.1	31.5	47.3

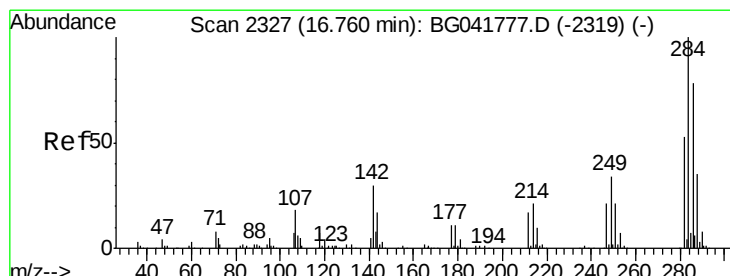
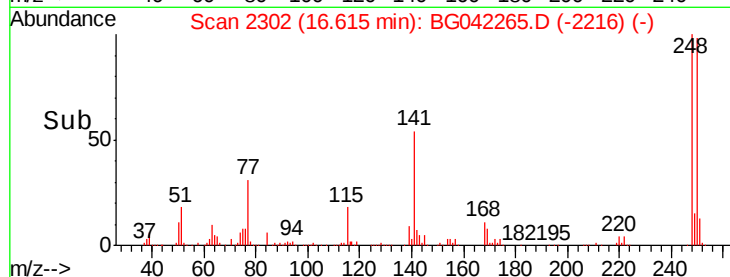
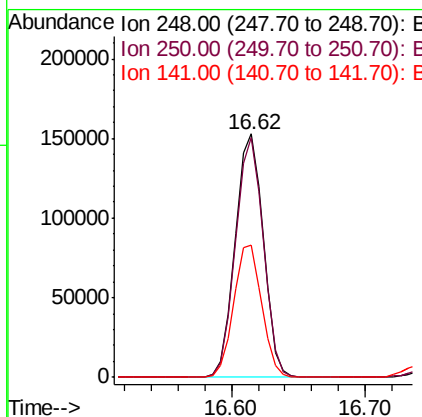
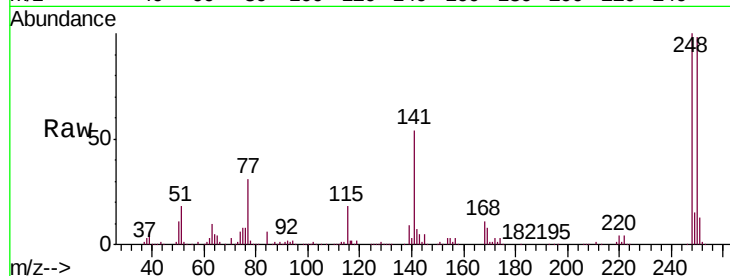




#67
 4-Bromophenyl-phenylether
 Concen: 46.935 ng
 RT: 16.62 min Scan# 2302
 Delta R.T. -0.03 min
 Lab File: BG042265.D
 Acq: 16 Aug 2019 18:35

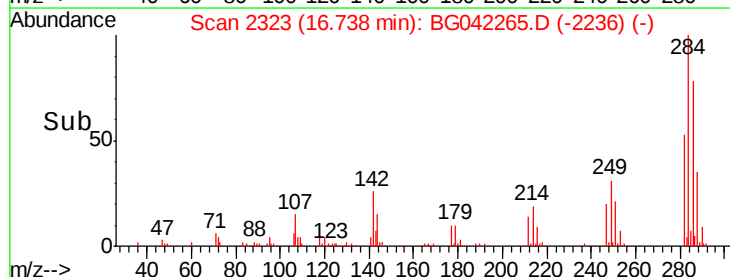
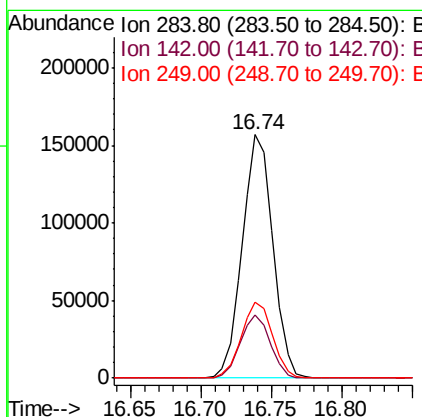
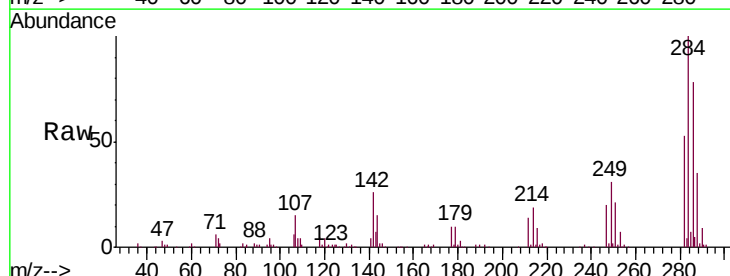
Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-3-C1-C4-(0-2)MSD

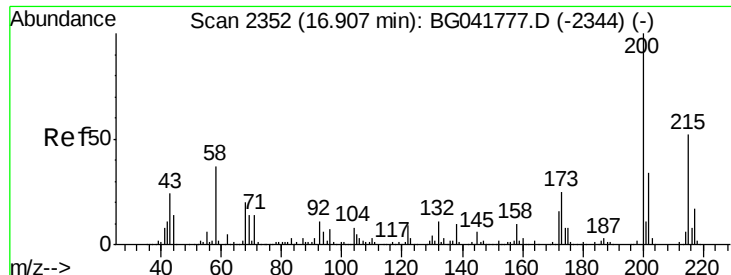
Tgt Ion: 248 Resp: 223801
 Ion Ratio Lower Upper
 248 100
 250 98.4 78.1 117.1
 141 54.2 49.6 74.4



#68
 Hexachlorobenzene
 Concen: 47.628 ng
 RT: 16.74 min Scan# 2323
 Delta R.T. -0.02 min
 Lab File: BG042265.D
 Acq: 16 Aug 2019 18:35

Tgt Ion: 284 Resp: 237592
 Ion Ratio Lower Upper
 284 100
 142 25.7 27.0 40.6#
 249 31.4 28.4 42.6





#69

Atrazine

Concen: 48.294 ng

RT: 16.88 min Scan# 2347

Delta R.T. -0.03 min

Lab File: BG042265.D

Acq: 16 Aug 2019 18:35

Instrument :

BNA_G

ClientSampleId :

REACTOR-3-C1-C4-(0-2)MSD

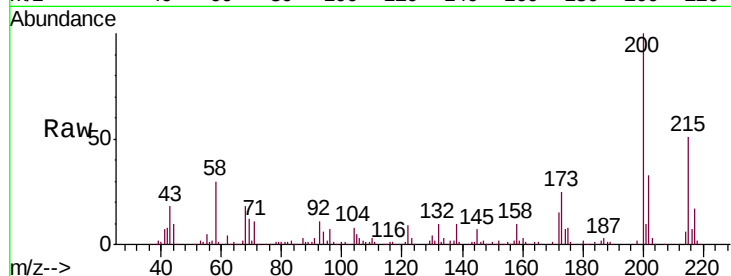
Tgt Ion:200 Resp: 200076

Ion Ratio Lower Upper

200 100

173 25.0 5.3 45.3

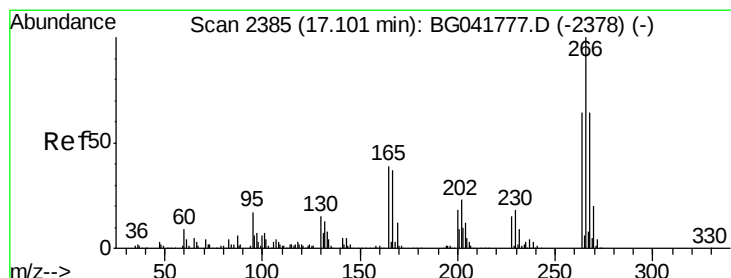
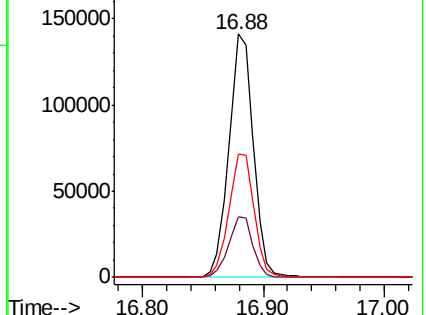
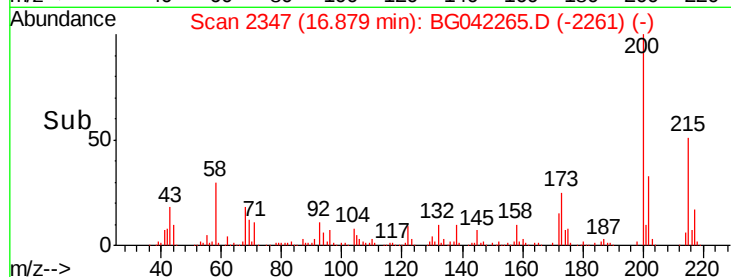
215 50.9 31.8 71.8



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: 109.452 ng

RT: 17.09 min Scan# 2382

Delta R.T. -0.02 min

Lab File: BG042265.D

Acq: 16 Aug 2019 18:35

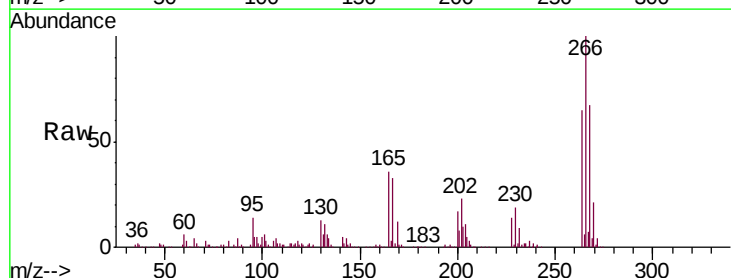
Tgt Ion:266 Resp: 310172

Ion Ratio Lower Upper

266 100

268 66.8 52.9 79.3

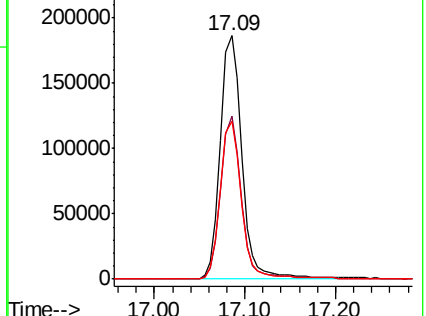
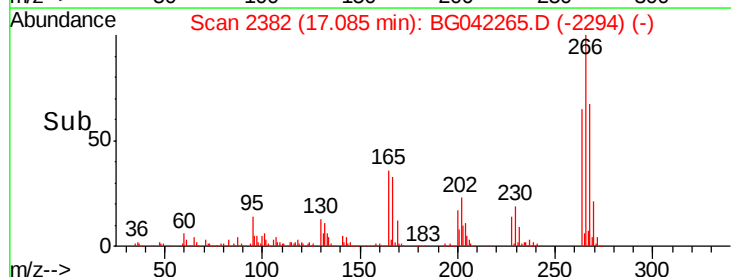
264 64.9 51.4 77.2

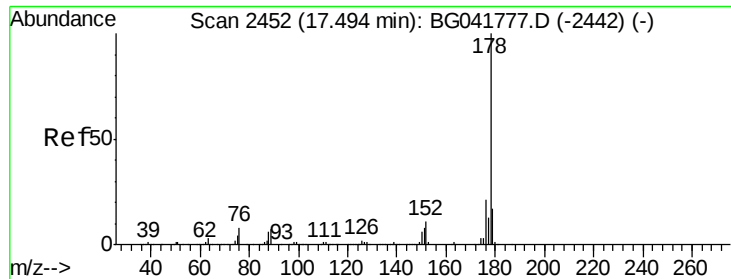


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

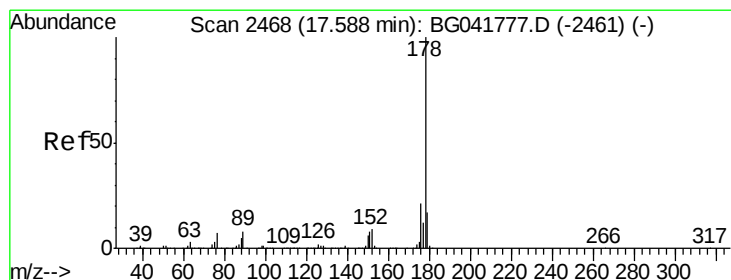
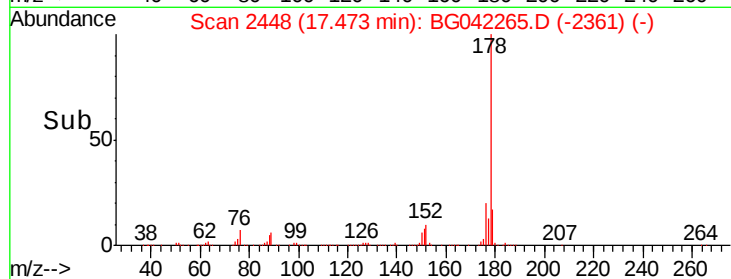
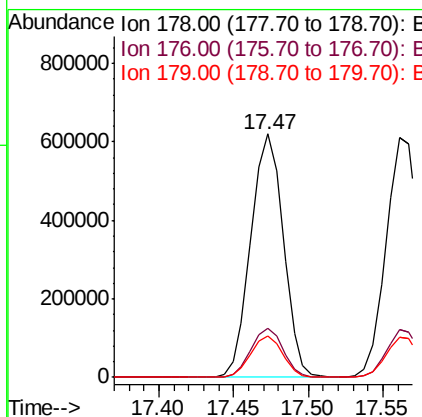
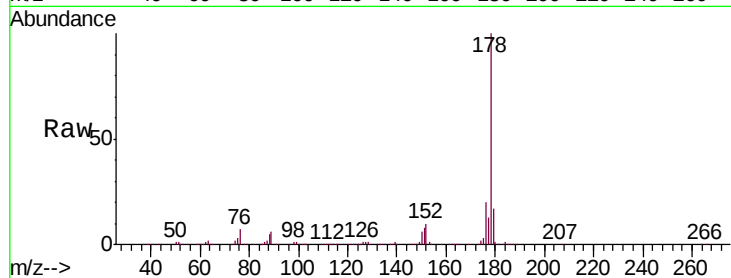




#71
Phenanthrene
Concen: 50.556 ng
RT: 17.47 min Scan# 2448
Delta R.T. -0.02 min
Lab File: BG042265.D
Acq: 16 Aug 2019 18:35

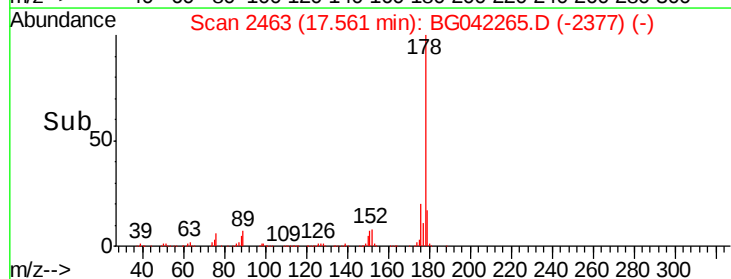
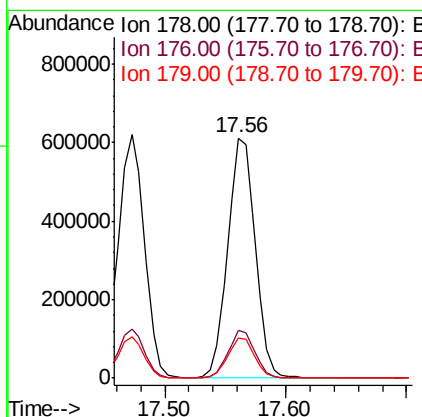
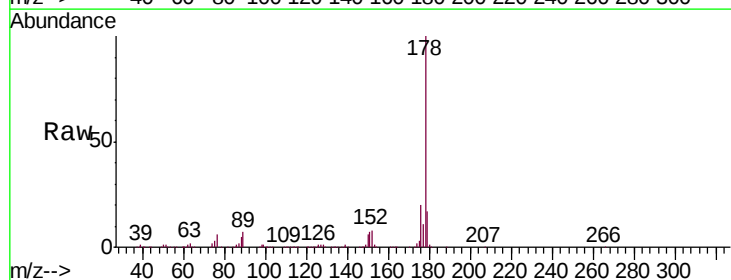
Instrument :
BNA_G
ClientSampleId :
REACTOR-3-C1-C4-(0-2)MSD

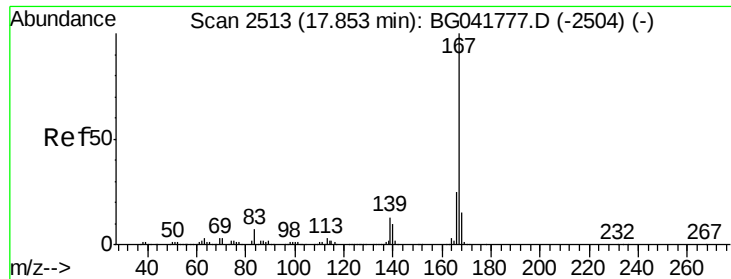
Tgt Ion:178 Resp: 938060
Ion Ratio Lower Upper
178 100
176 20.2 18.6 28.0
179 16.8 15.4 23.0



#72
Anthracene
Concen: 52.180 ng
RT: 17.56 min Scan# 2463
Delta R.T. -0.03 min
Lab File: BG042265.D
Acq: 16 Aug 2019 18:35

Tgt Ion:178 Resp: 965601
Ion Ratio Lower Upper
178 100
176 19.8 18.6 28.0
179 16.6 15.1 22.7

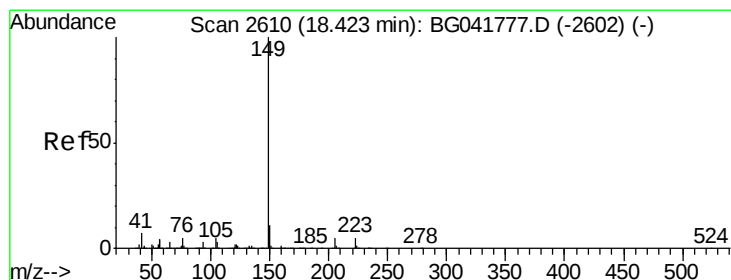
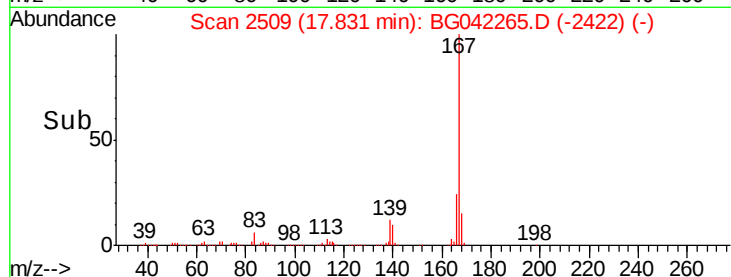
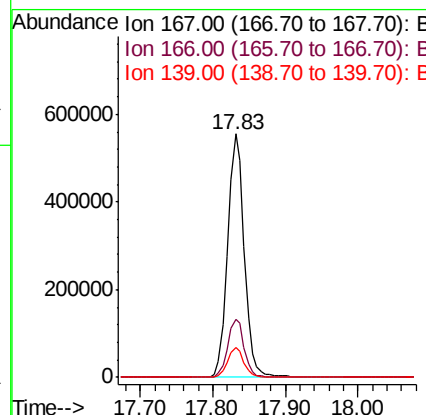
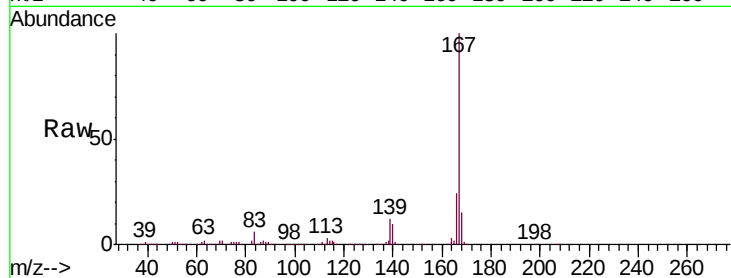




#73
 Carbazole
 Concen: 53.367 ng
 RT: 17.83 min Scan# 2509
 Delta R.T. -0.02 min
 Lab File: BG042265.D
 Acq: 16 Aug 2019 18:35

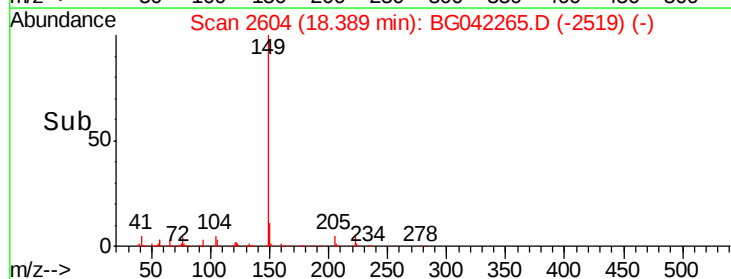
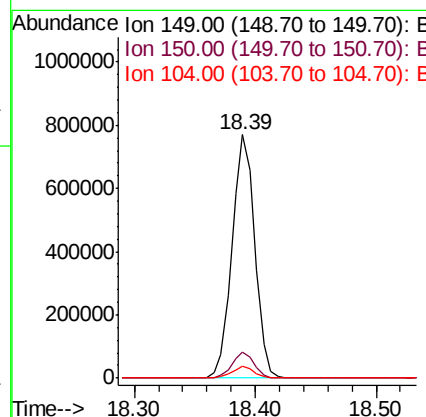
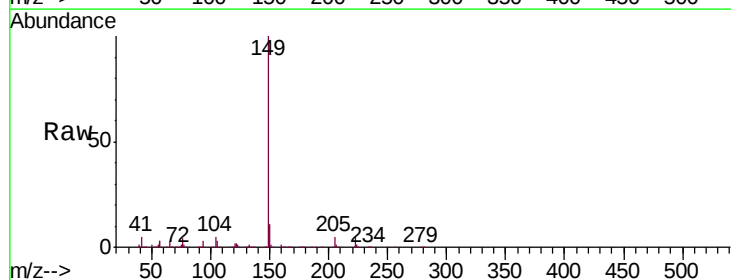
Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-3-C1-C4-(0-2)MSD

Tgt Ion	Ratio	Lower	Upper
167	100		
166	24.0	21.4	32.2
139	12.0	12.1	18.1#



#74
 Di-n-butylphthalate
 Concen: 53.375 ng
 RT: 18.39 min Scan# 2604
 Delta R.T. -0.03 min
 Lab File: BG042265.D
 Acq: 16 Aug 2019 18:35

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.7	10.2	15.2
104	4.8	5.3	7.9#





#75

Fluoranthene

Concen: 54.542 ng

RT: 19.48 min Scan# 2790

Delta R.T. -0.02 min

Lab File: BG042265.D

Acq: 16 Aug 2019 18:35

Instrument :

BNA_G

ClientSampleId :

REACTOR-3-C1-C4-(0-2)MSD

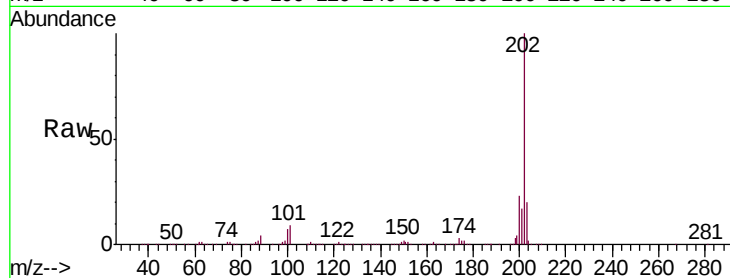
Tgt Ion:202 Resp: 1230123

Ion Ratio Lower Upper

202 100

101 8.9 0.0 32.8

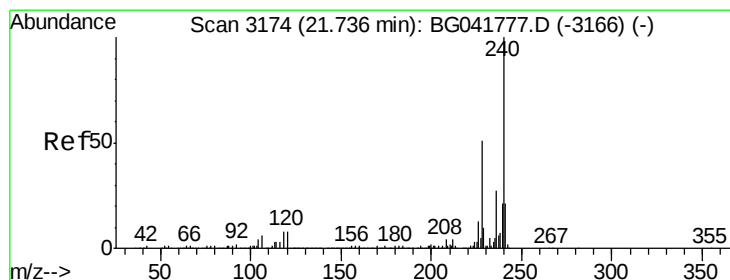
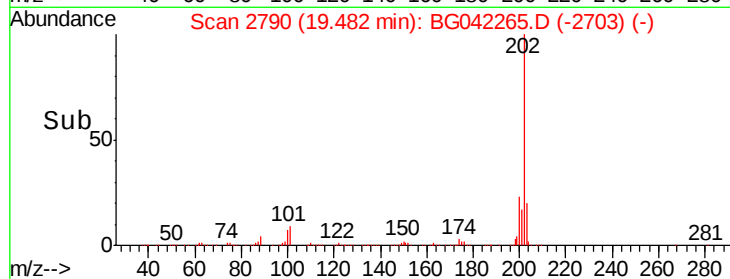
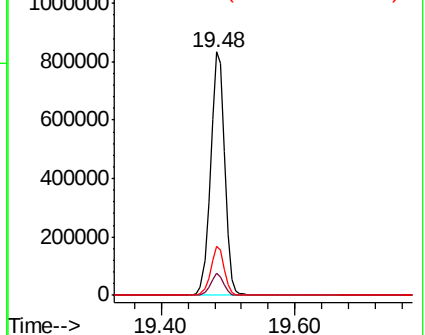
203 20.3 3.7 43.7



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: 21.71 min Scan# 3170

Delta R.T. -0.02 min

Lab File: BG042265.D

Acq: 16 Aug 2019 18:35

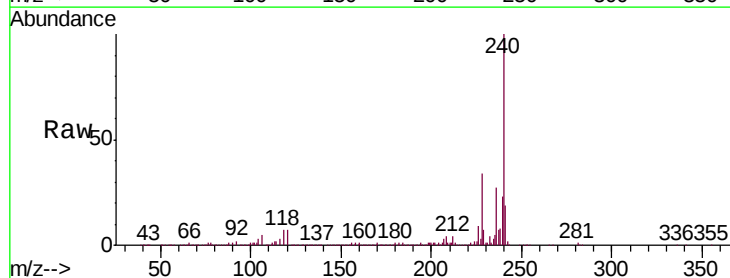
Tgt Ion:240 Resp: 425224

Ion Ratio Lower Upper

240 100

120 7.3 8.0 12.0#

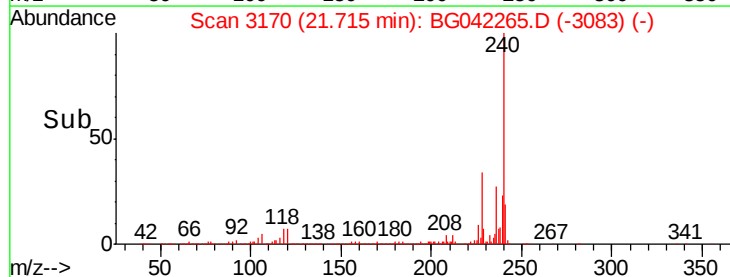
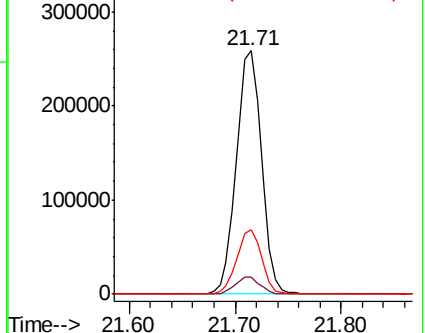
236 26.5 22.6 33.8

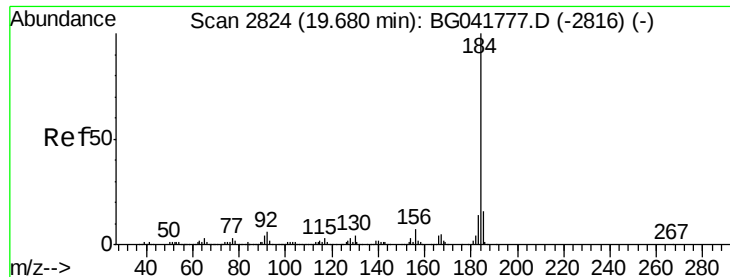


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 10.729 ng

RT: 19.66 min Scan# 2821

Delta R.T. -0.02 min

Lab File: BG042265.D

Acq: 16 Aug 2019 18:35

Instrument :

BNA_G

ClientSampleId :

REACTOR-3-C1-C4-(0-2)MSD

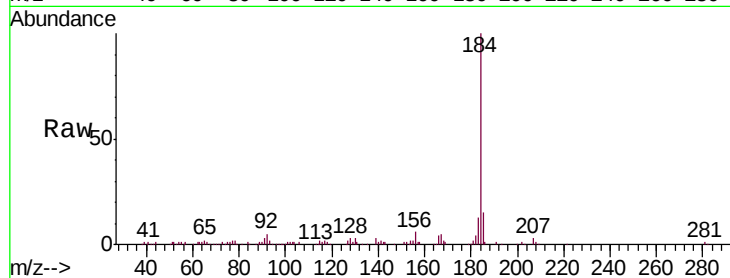
Tgt Ion:184 Resp: 148906

Ion Ratio Lower Upper

184 100

185 14.7 13.0 19.4

183 12.7 11.8 17.6

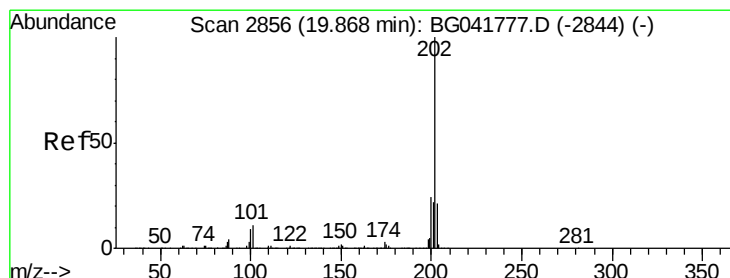
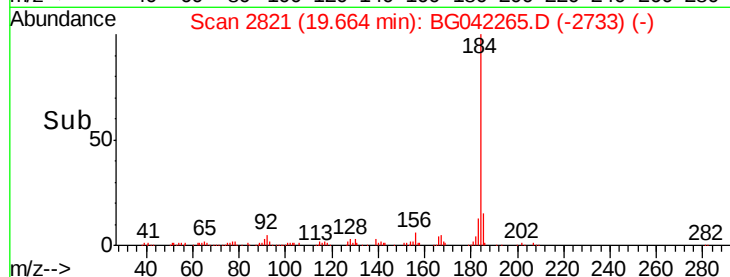
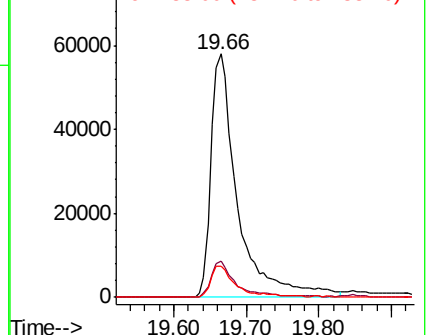


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 49.283 ng

RT: 19.85 min Scan# 2852

Delta R.T. -0.02 min

Lab File: BG042265.D

Acq: 16 Aug 2019 18:35

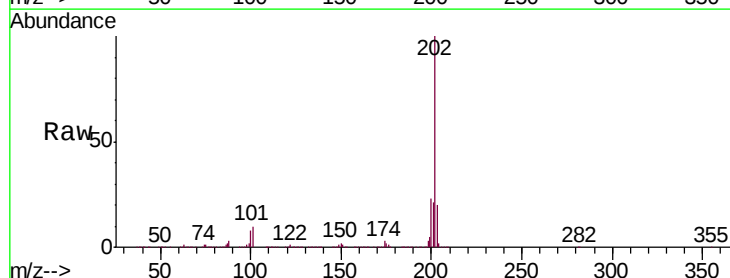
Tgt Ion:202 Resp: 1241623

Ion Ratio Lower Upper

202 100

200 23.0 22.2 33.2

203 19.9 18.9 28.3

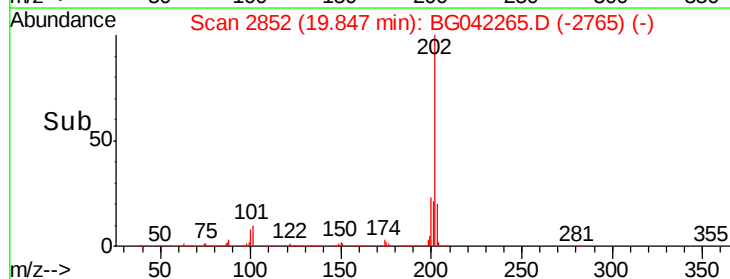
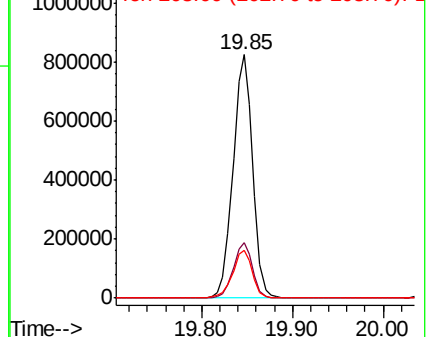


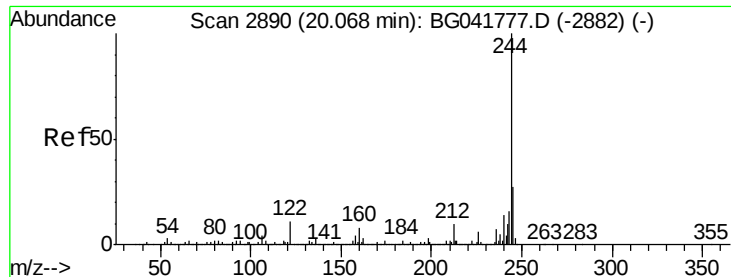
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 98.502 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.03 min

Lab File: BG042265.D

Acq: 16 Aug 2019 18:35

Instrument :

BNA_G

ClientSampleId :

REACTOR-3-C1-C4-(0-2)MSD

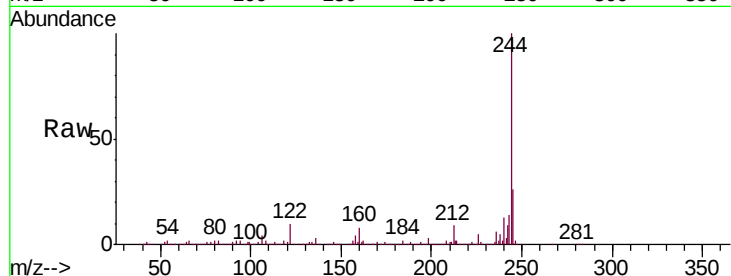
Tgt Ion:244 Resp: 1830442

Ion Ratio Lower Upper

244 100

212 8.6 9.7 14.5#

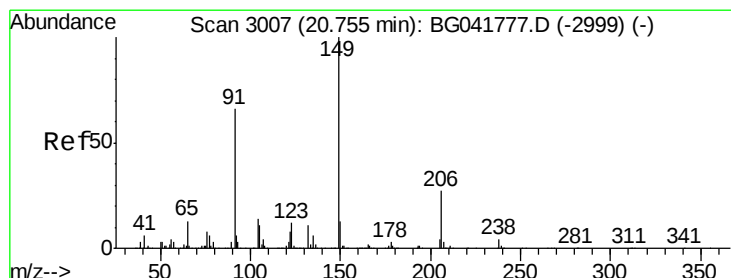
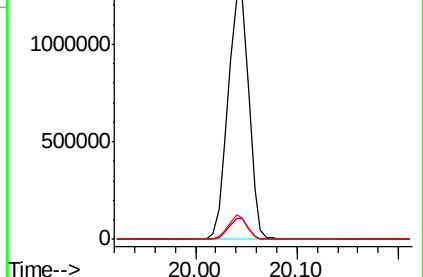
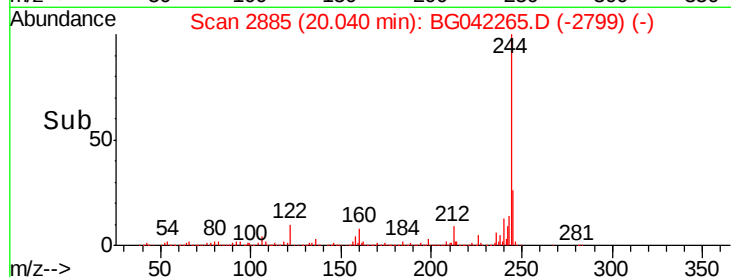
122 9.9 12.5 18.7#



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: 50.961 ng

RT: 20.73 min Scan# 3002

Delta R.T. -0.03 min

Lab File: BG042265.D

Acq: 16 Aug 2019 18:35

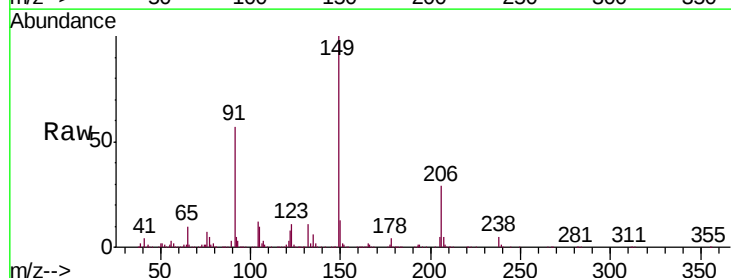
Tgt Ion:149 Resp: 492249

Ion Ratio Lower Upper

149 100

91 57.4 58.9 88.3#

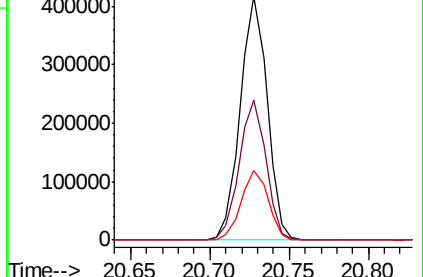
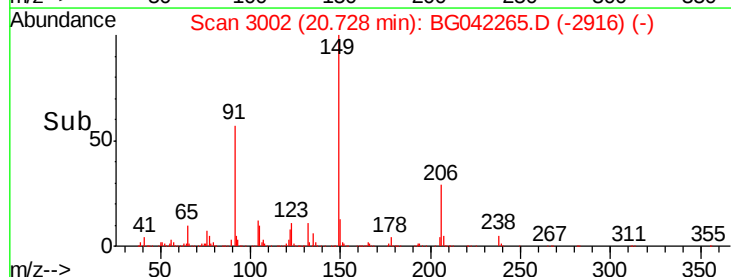
206 28.7 20.8 31.2

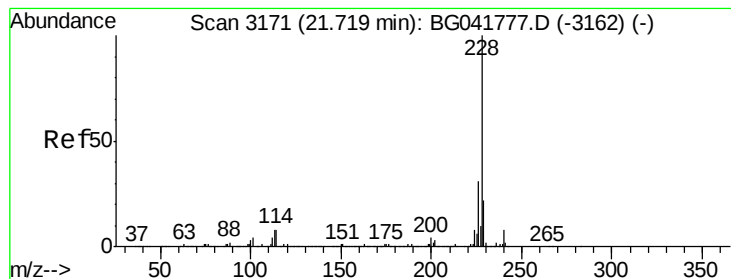


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 48.767 ng

RT: 21.69 min Scan# 3166

Delta R.T. -0.03 min

Lab File: BG042265.D

Acq: 16 Aug 2019 18:35

Instrument :

BNA_G

ClientSampleId :

REACTOR-3-C1-C4-(0-2)MSD

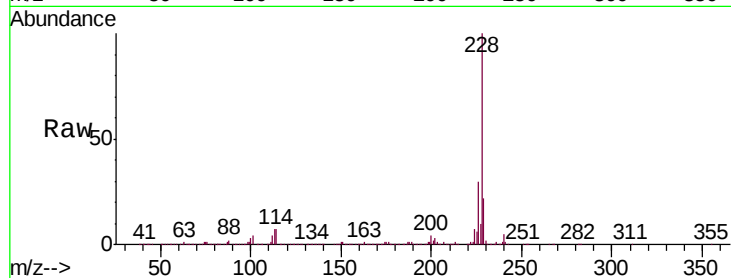
Tgt Ion:228 Resp: 1226884

Ion Ratio Lower Upper

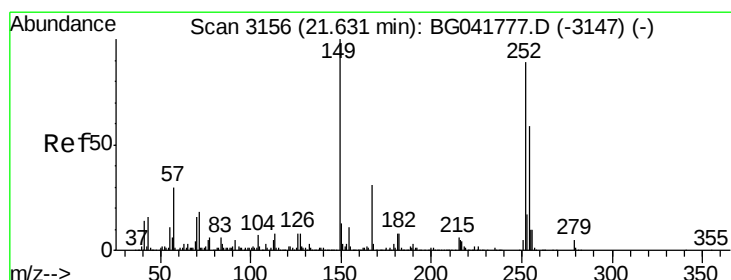
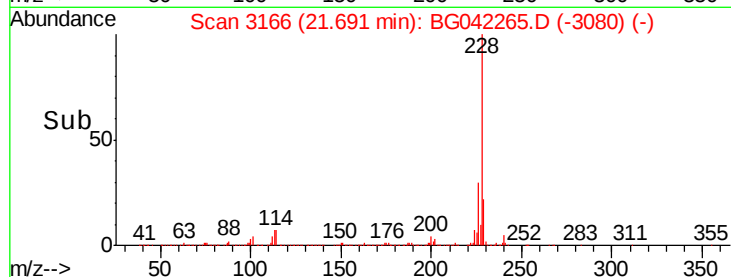
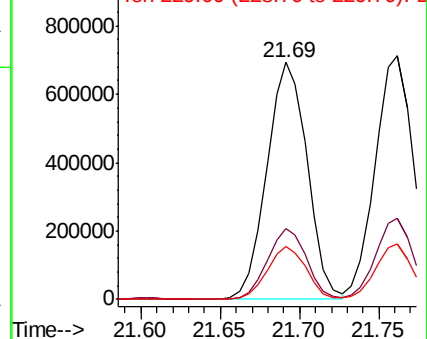
228 100

226 30.0 27.3 40.9

229 22.3 19.7 29.5



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



#82

3,3'-Dichlorobenzidine

Concen: 35.593 ng

RT: 21.60 min Scan# 3151

Delta R.T. -0.03 min

Lab File: BG042265.D

Acq: 16 Aug 2019 18:35

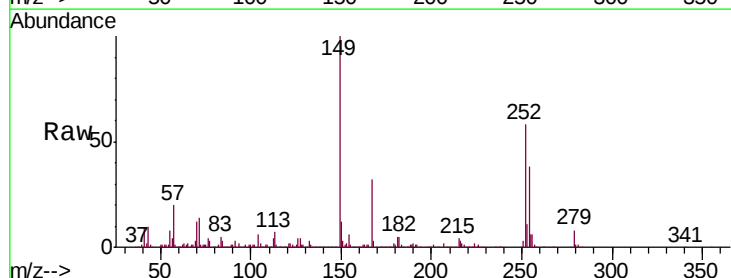
Tgt Ion:252 Resp: 359519

Ion Ratio Lower Upper

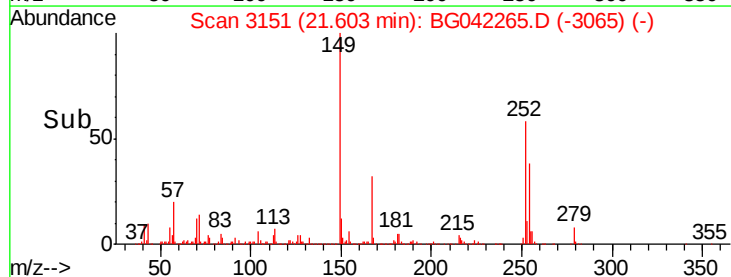
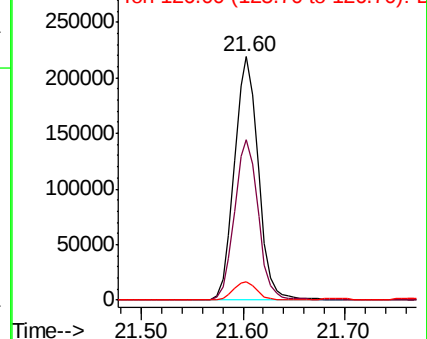
252 100

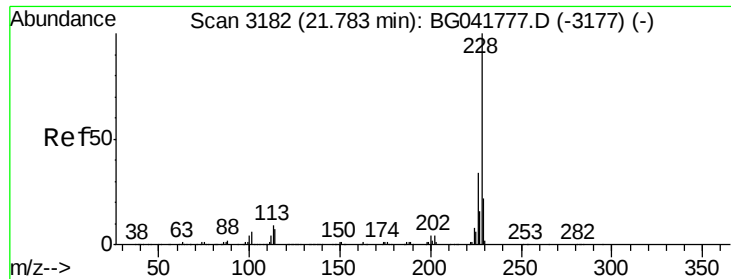
254 65.8 53.8 80.6

126 7.5 7.8 11.8#



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: 49.586 ng

RT: 21.76 min Scan# 3178

Delta R.T. -0.02 min

Lab File: BG042265.D

Acq: 16 Aug 2019 18:35

Instrument :

BNA_G

ClientSampleId :

REACTOR-3-C1-C4-(0-2)MSD

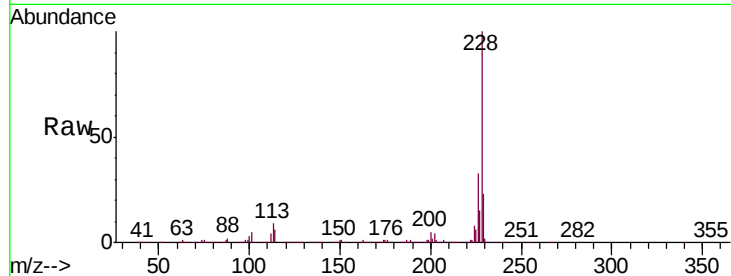
Tgt Ion:228 Resp: 1195804

Ion Ratio Lower Upper

228 100

226 33.4 30.1 45.1

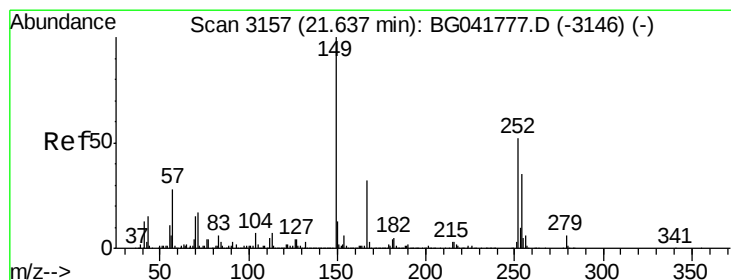
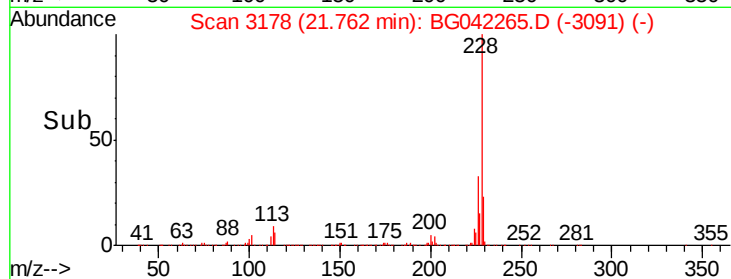
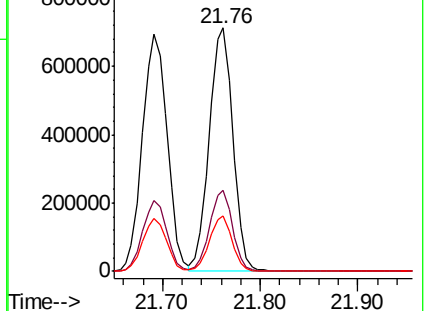
229 22.8 19.8 29.6



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: 51.183 ng

RT: 21.60 min Scan# 3150

Delta R.T. -0.04 min

Lab File: BG042265.D

Acq: 16 Aug 2019 18:35

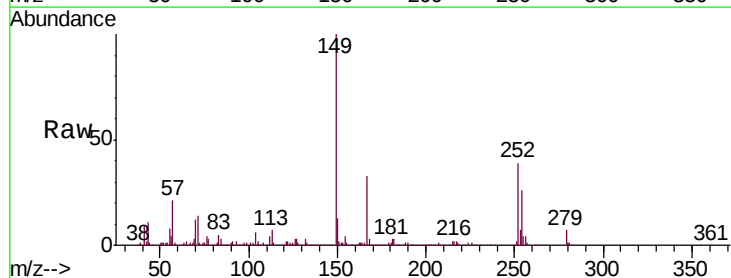
Tgt Ion:149 Resp: 681971

Ion Ratio Lower Upper

149 100

167 32.8 27.0 40.4

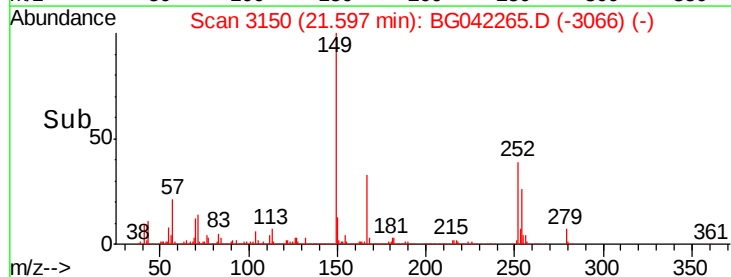
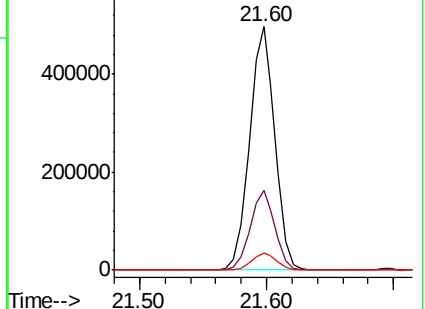
279 7.0 5.0 7.6

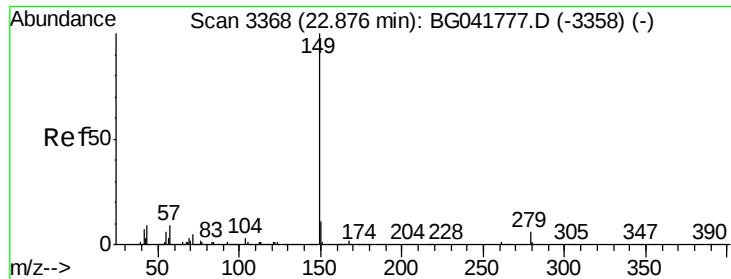


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

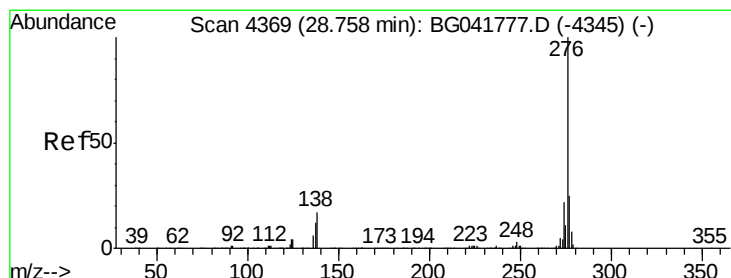
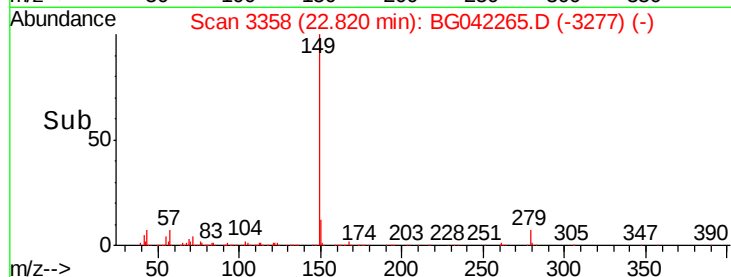
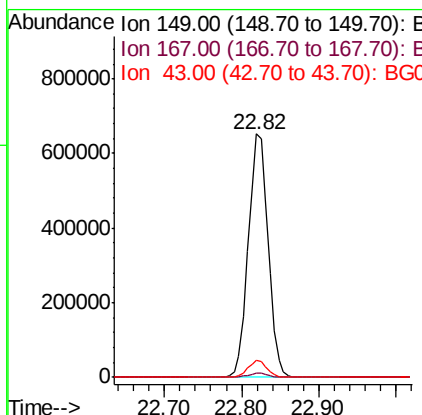
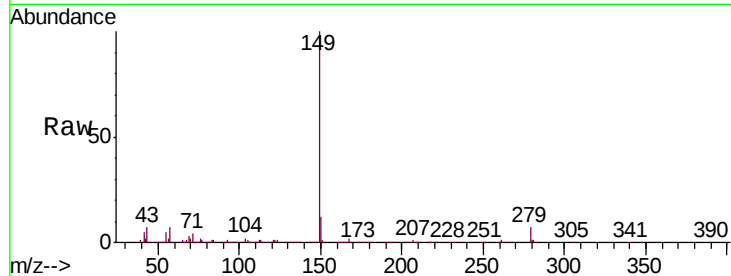




#85
Di-n-octyl phthalate
Concen: 52.438 ng
RT: 22.82 min Scan# 3358
Delta R.T. -0.06 min
Lab File: BG042265.D
Acq: 16 Aug 2019 18:35

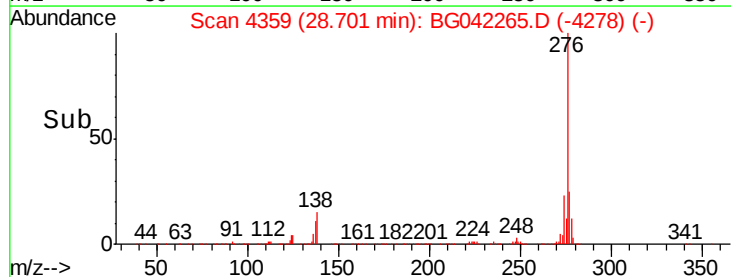
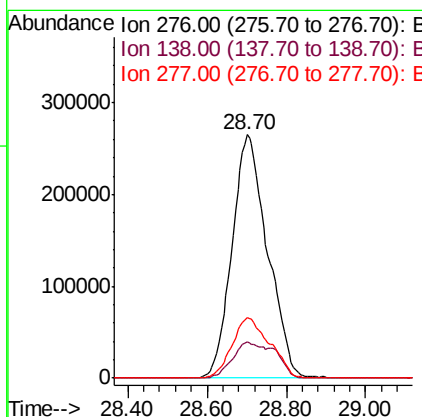
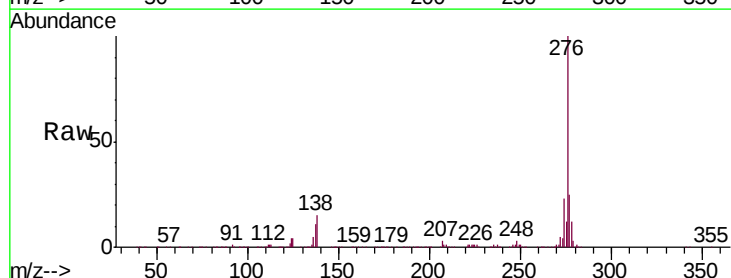
Instrument :
BNA_G
ClientSampleId :
REACTOR-3-C1-C4-(0-2)MSD

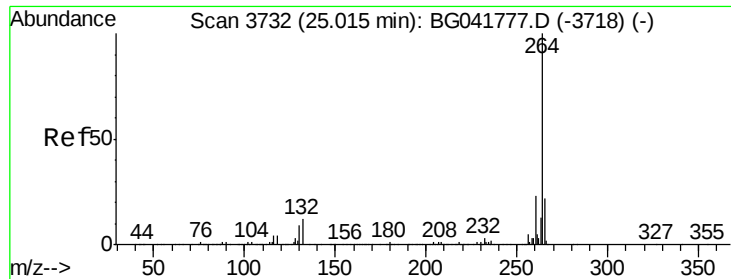
Tgt Ion:149 Resp: 1175879
Ion Ratio Lower Upper
149 100
167 1.9 1.6 2.4
43 6.6 10.6 16.0#



#86
Indeno(1,2,3-cd)pyrene
Concen: 51.649 ng
RT: 28.70 min Scan# 4359
Delta R.T. -0.06 min
Lab File: BG042265.D
Acq: 16 Aug 2019 18:35

Tgt Ion:276 Resp: 1648838
Ion Ratio Lower Upper
276 100
138 17.9 19.4 29.0#
277 26.5 21.2 31.8





#87

Perylene-d12

Concen: 20.000 ng

RT: 24.97 min Scan# 3724

Delta R.T. -0.05 min

Lab File: BG042265.D

Acq: 16 Aug 2019 18:35

Instrument :

BNA_G

ClientSampleId :

REACTOR-3-C1-C4-(0-2)MSD

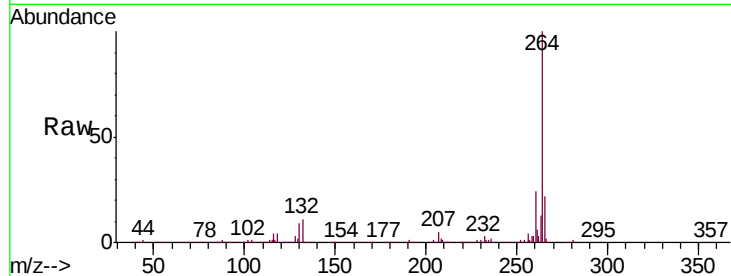
Tgt Ion:264 Resp: 514515

Ion Ratio Lower Upper

264 100

260 24.1 19.5 29.3

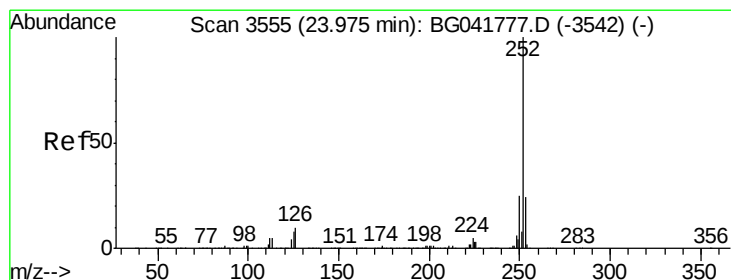
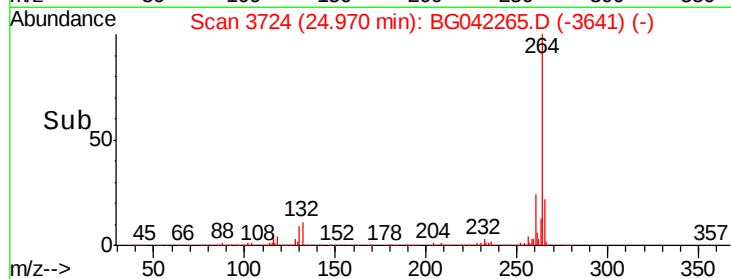
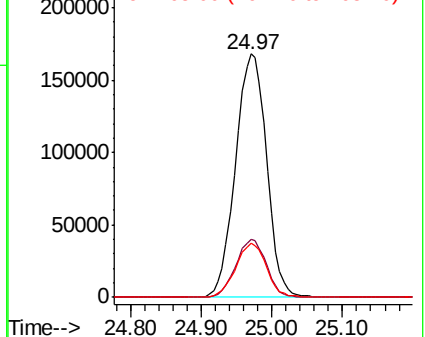
265 22.2 18.0 27.0



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 48.593 ng

RT: 23.94 min Scan# 3549

Delta R.T. -0.03 min

Lab File: BG042265.D

Acq: 16 Aug 2019 18:35

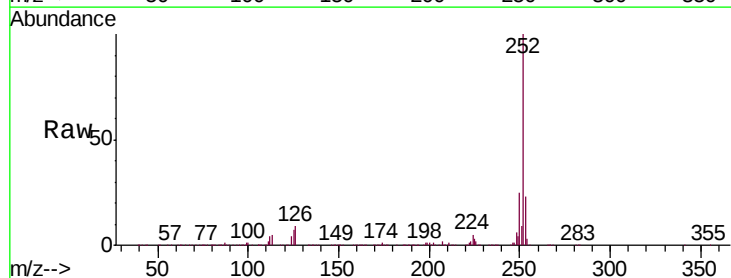
Tgt Ion:252 Resp: 1367706

Ion Ratio Lower Upper

252 100

253 23.4 20.6 30.8

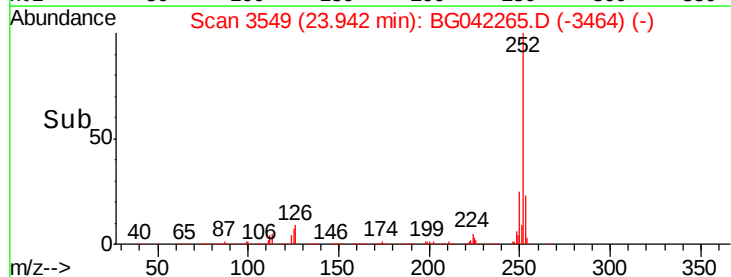
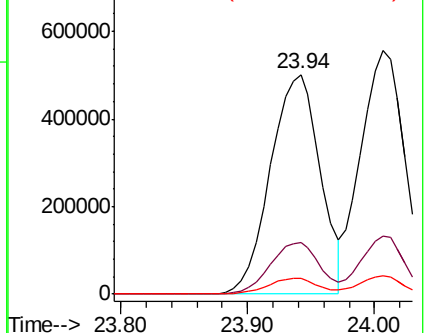
125 7.1 8.0 12.0#

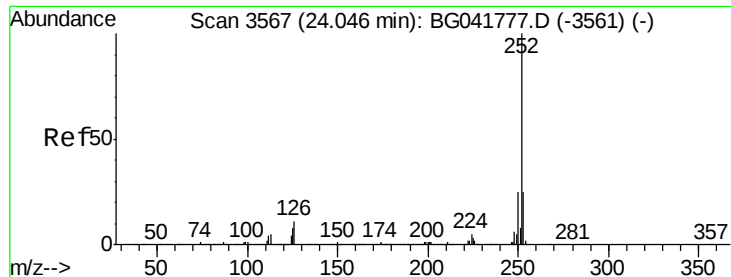


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

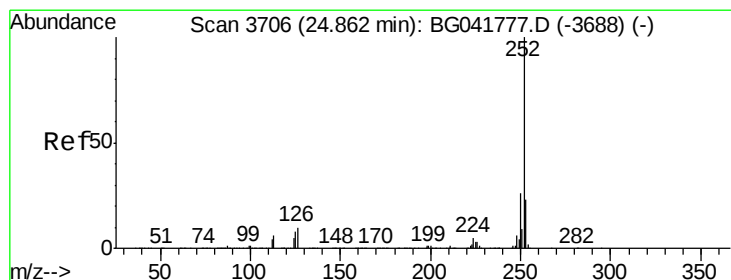
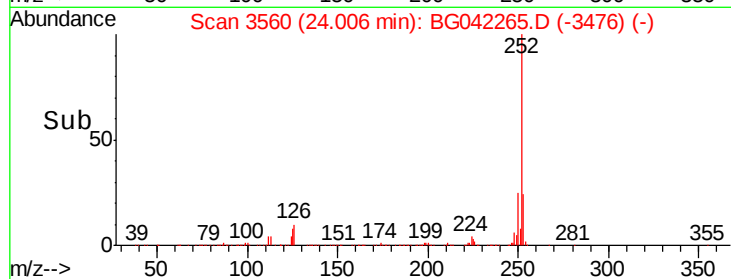
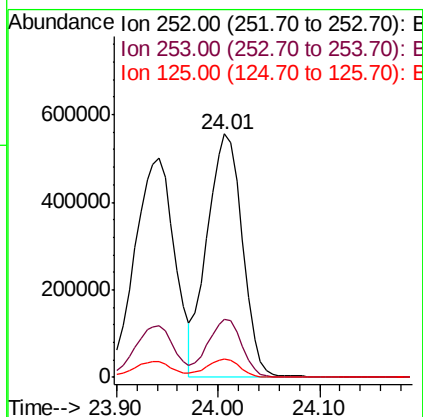
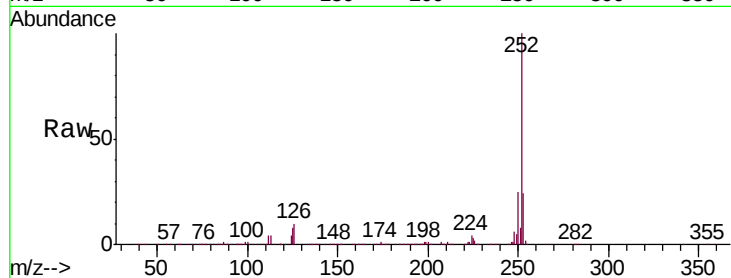




#89
Benzo(k)fluoranthene
Concen: 48.836 ng
RT: 24.01 min Scan# 3560
Delta R.T. -0.04 min
Lab File: BG042265.D
Acq: 16 Aug 2019 18:35

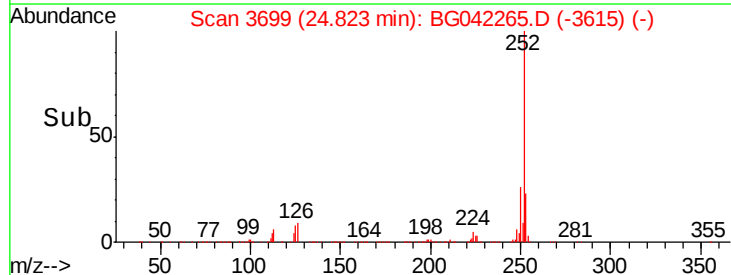
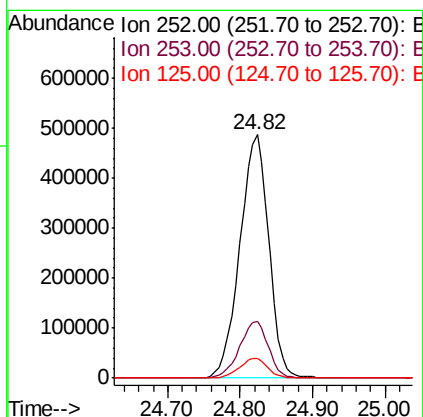
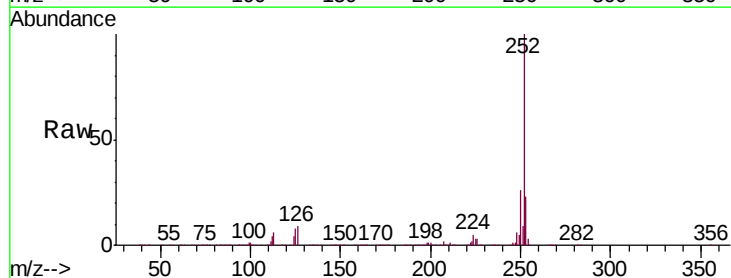
Instrument :
BNA_G
ClientSampleId :
REACTOR-3-C1-C4-(0-2)MSD

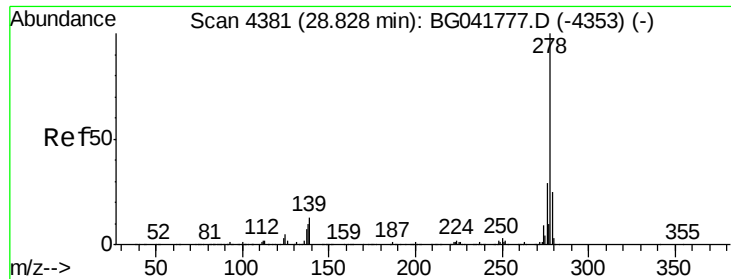
Tgt Ion:252 Resp: 1338942
Ion Ratio Lower Upper
252 100
253 23.9 20.5 30.7
125 7.5 8.4 12.6#



#90
Benzo(a)pyrene
Concen: 49.898 ng
RT: 24.82 min Scan# 3699
Delta R.T. -0.04 min
Lab File: BG042265.D
Acq: 16 Aug 2019 18:35

Tgt Ion:252 Resp: 1346970
Ion Ratio Lower Upper
252 100
253 23.1 19.8 29.8
125 7.9 8.8 13.2#





#91

Dibenzo(a,h)anthracene

Concen: 51.119 ng

RT: 28.77 min Scan# 4370

Delta R.T. -0.06 min

Lab File: BG042265.D

Acq: 16 Aug 2019 18:35

Instrument :

BNA_G

ClientSampleId :

REACTOR-3-C1-C4-(0-2)MSD

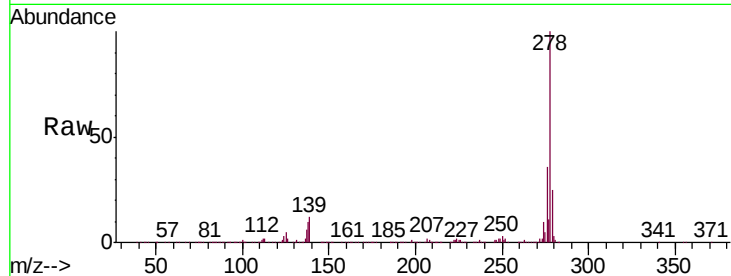
Tgt Ion:278 Resp: 1354965

Ion Ratio Lower Upper

278 100

139 12.0 12.6 19.0#

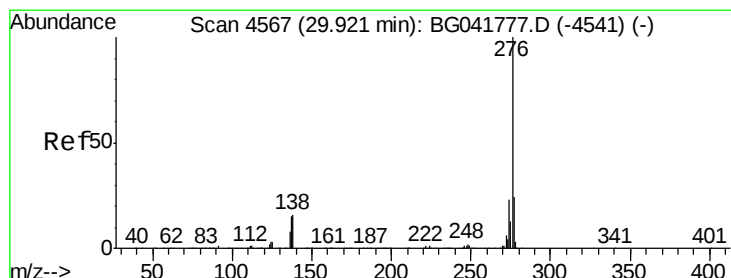
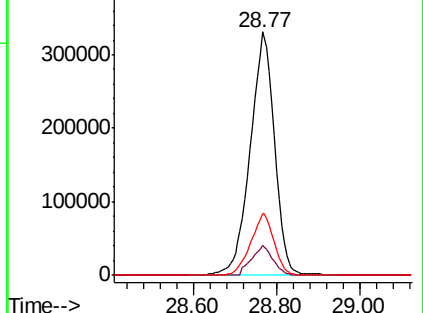
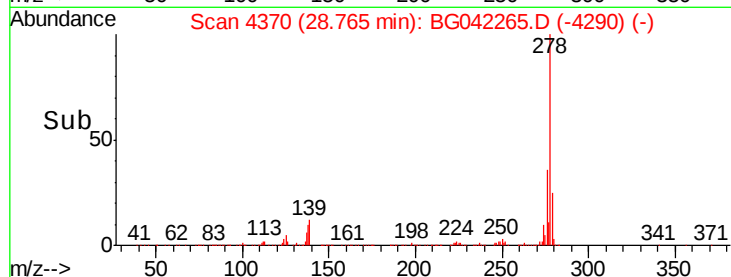
279 25.3 20.5 30.7



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 51.728 ng

RT: 29.87 min Scan# 4558

Delta R.T. -0.05 min

Lab File: BG042265.D

Acq: 16 Aug 2019 18:35

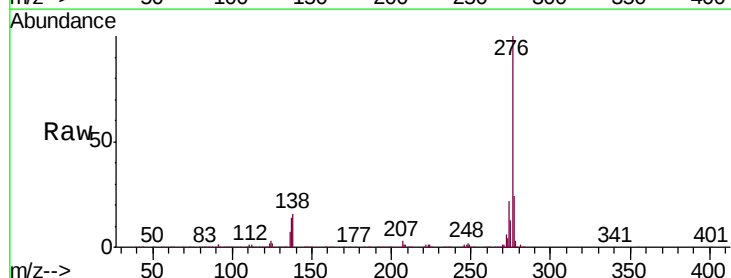
Tgt Ion:276 Resp: 1369839

Ion Ratio Lower Upper

276 100

277 23.9 19.8 29.8

138 15.8 16.6 25.0#



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

