

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112021\
 Data File : BG051149.D
 Acq On : 20 Nov 2021 15:49
 Operator : CG/JU
 Sample : PB140834BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB140834BS

Quant Time: Nov 22 01:22:06 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 19 16:26:22 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.202	152	29688	20.00	ng	0.00
21) Naphthalene-d8	11.034	136	130990	20.00	ng	# 0.00
39) Acenaphthene-d10	14.836	164	91311	20.00	ng	0.00
64) Phenanthrene-d10	17.585	188	202139	20.00	ng	# 0.00
76) Chrysene-d12	21.892	240	183791	20.00	ng	# 0.00
86) Perylene-d12	25.288	264	180003	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.740	112	247717	128.99	ng	0.00
7) Phenol-d6	7.362	99	329006	121.63	ng	0.00
23) Nitrobenzene-d5	9.383	82	224089	78.09	ng	0.00
42) 2,4,6-Tribromophenol	16.328	330	117713	121.29	ng	0.00
45) 2-Fluorobiphenyl	13.461	172	462226	76.39	ng	0.00
79) Terphenyl-d14	20.176	244	799145	79.49	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.578	88	25555	31.73	ng	92
3) Pyridine	3.995	79	63680	26.58	ng	# 89
4) n-Nitrosodimethylamine	3.907	42	45796	44.46	ng	# 36
6) Aniline	7.526	93	139976	43.56	ng	96
8) 2-Chlorophenol	7.767	128	90753	45.03	ng	94
9) Benzaldehyde	7.338	77	69090	35.30	ng	90
10) Phenol	7.385	94	123805	44.59	ng	83
11) bis(2-Chloroethyl)ether	7.615	93	90864	43.28	ng	91
12) 1,3-Dichlorobenzene	8.091	146	92430	42.86	ng	90
13) 1,4-Dichlorobenzene	8.237	146	93527	41.84	ng	98
14) 1,2-Dichlorobenzene	8.561	146	90694	42.77	ng	93
15) Benzyl Alcohol	8.443	79	94826	43.88	ng	90
16) 2,2'-oxybis(1-Chloropr...	8.719	45	131157	43.22	ng	89
17) 2-Methylphenol	8.649	107	83607	44.60	ng	# 90
18) Hexachloroethane	9.295	117	36066	43.17	ng	96
19) n-Nitroso-di-n-propyla...	9.007	70	82539	41.34	ng	# 88
20) 3+4-Methylphenols	8.978	107	114613	42.90	ng	94
22) Acetophenone	9.036	105	144346	40.79	ng	# 93
24) Nitrobenzene	9.424	77	118979	42.75	ng	91
25) Isophorone	9.947	82	217054	42.02	ng	# 95
26) 2-Nitrophenol	10.135	139	53143	42.18	ng	# 86
27) 2,4-Dimethylphenol	10.188	122	87857	47.25	ng	90
28) bis(2-Chloroethoxy)met...	10.417	93	124799	40.57	ng	95
29) 2,4-Dichlorophenol	10.682	162	91037	43.38	ng	95
30) 1,2,4-Trichlorobenzene	10.893	180	95790	40.64	ng	97
31) Naphthalene	11.081	128	283217	40.97	ng	98
32) Benzoic acid	10.353	122	51121	39.89	ng	# 78
33) 4-Chloroaniline	11.193	127	118927	40.04	ng	95
34) Hexachlorobutadiene	11.346	225	59415	40.82	ng	96
35) Caprolactam	11.980	113	20149	35.95	ng	# 81
36) 4-Chloro-3-methylphenol	12.303	107	109312	42.19	ng	92
37) 2-Methylnaphthalene	12.673	142	208082	42.49	ng	94
38) 1-Methylnaphthalene	12.897	142	188676	39.46	ng	91
40) 1,2,4,5-Tetrachloroben...	13.038	216	112965	40.71	ng	98
41) Hexachlorocyclopentadiene	13.008	237	91273	113.58	ng	92

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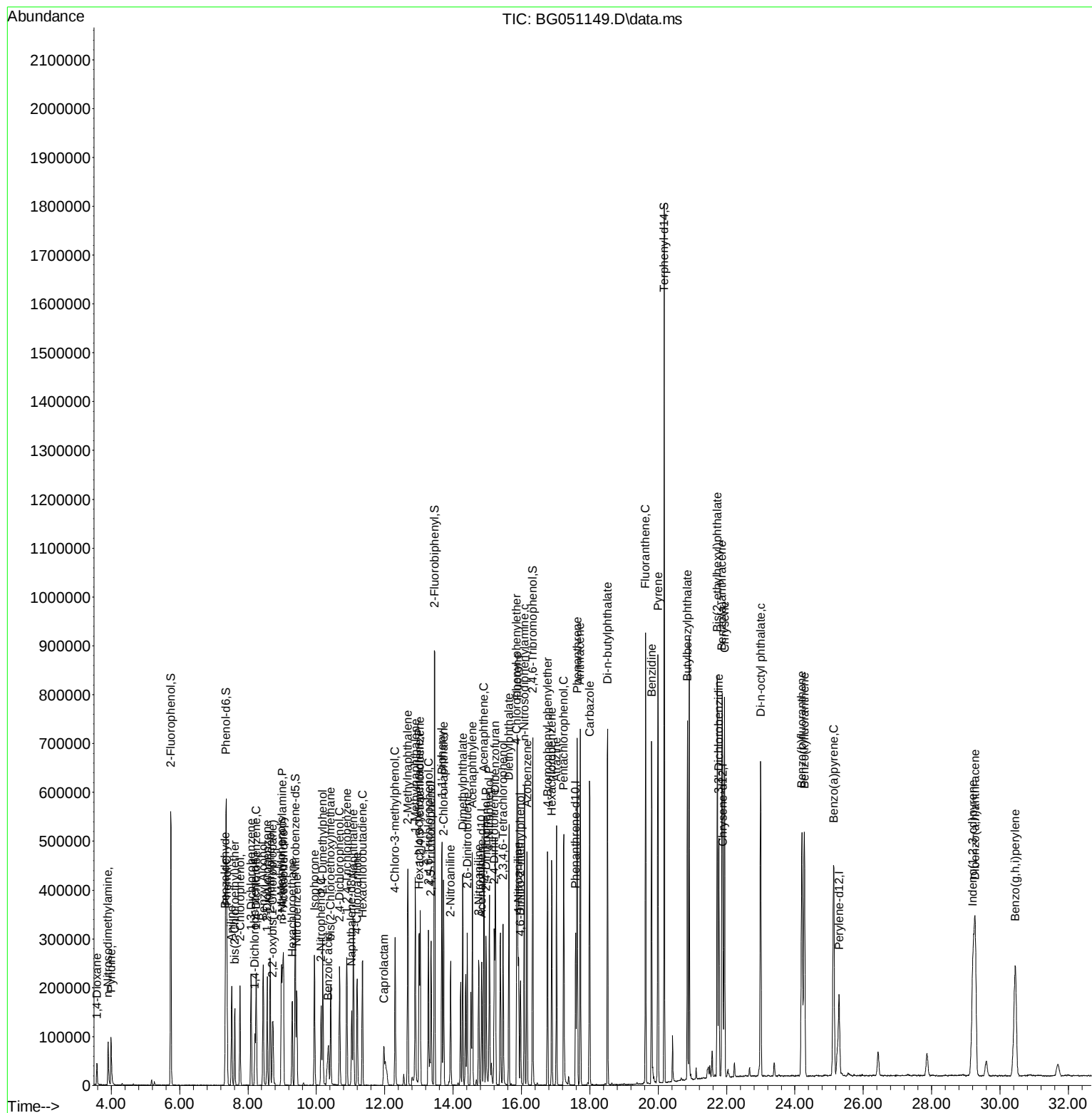
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,6-Trichlorophenol	13.279	196	80327	41.98	ng	95
44) 2,4,5-Trichlorophenol	13.355	196	84706	40.96	ng	92
46) 1,1'-Biphenyl	13.672	154	259905	39.60	ng	95
47) 2-Chloronaphthalene	13.719	162	211471	40.70	ng	98
48) 2-Nitroaniline	13.925	65	79120	42.13	ng	86
49) Acenaphthylene	14.565	152	340648	41.12	ng	97
50) Dimethylphthalate	14.283	163	287802	40.91	ng	99
51) 2,6-Dinitrotoluene	14.413	165	63980	43.54	ng	# 82
52) Acenaphthene	14.900	154	199570	41.27	ng	91
53) 3-Nitroaniline	14.747	138	64326	39.08	ng	96
54) 2,4-Dinitrophenol	14.965	184	72845	88.99	ng	# 82
55) Dibenzofuran	15.235	168	329890	39.28	ng	97
56) 4-Nitrophenol	15.065	139	104853	90.56	ng	# 72
57) 2,4-Dinitrotoluene	15.206	165	90818	43.15	ng	# 90
58) Fluorene	15.881	166	270280	40.99	ng	96
59) 2,3,4,6-Tetrachlorophenol	15.464	232	72717	40.96	ng	# 98
60) Diethylphthalate	15.635	149	300780	40.54	ng	98
61) 4-Chlorophenyl-phenyle...	15.864	204	146939	40.77	ng	96
62) 4-Nitroaniline	15.917	138	70885	40.27	ng	# 66
63) Azobenzene	16.163	77	303586	40.86	ng	83
65) 4,6-Dinitro-2-methylph...	15.970	198	51783	42.90	ng	88
66) n-Nitrosodiphenylamine	16.087	169	246543	42.50	ng	97
67) 4-Bromophenyl-phenylether	16.763	248	92926	42.50	ng	93
68) Hexachlorobenzene	16.886	284	95545	43.00	ng	97
69) Atrazine	17.027	200	102304	66.32	ng	97
70) Pentachlorophenol	17.239	266	100588	99.57	ng	94
71) Phenanthrene	17.632	178	460019	42.34	ng	97
72) Anthracene	17.720	178	468710	43.49	ng	99
73) Carbazole	17.991	167	424387	40.03	ng	99
74) Di-n-butylphthalate	18.519	149	529814	41.28	ng	# 97
75) Fluoranthene	19.630	202	560588	41.85	ng	96
77) Benzidine	19.806	184	393160	130.28	ng	97
78) Pyrene	19.994	202	559815	42.00	ng	98
80) Butylbenzylphthalate	20.858	149	235833	41.50	ng	93
81) Benzo(a)anthracene	21.869	228	521691	41.62	ng	100
82) 3,3'-Dichlorobenzidine	21.774	252	180633	32.25	ng	# 99
83) Chrysene	21.939	228	504175	42.84	ng	97
84) Bis(2-ethylhexyl)phtha...	21.727	149	337925	42.69	ng	98
85) Di-n-octyl phthalate	22.997	149	577187	43.52	ng	99
87) Indeno(1,2,3-cd)pyrene	29.207	276	575342	44.54	ng	# 97
88) Benzo(b)fluoranthene	24.201	252	528555	47.63	ng	# 94
89) Benzo(k)fluoranthene	24.277	252	505404	44.90	ng	# 97
90) Benzo(a)pyrene	25.135	252	510298	53.00	ng	# 95
91) Dibenzo(a,h)anthracene	29.277	278	483456	45.43	ng	# 95
92) Benzo(g,h,i)perylene	30.441	276	480412	45.64	ng	# 91

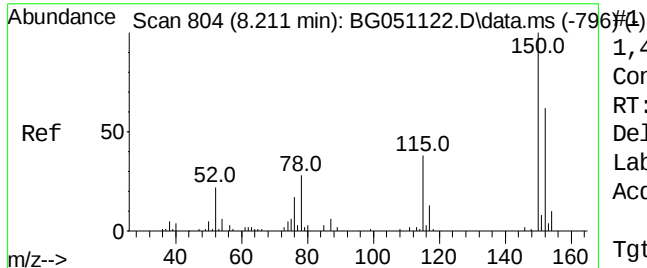
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.202 min Scan# 8

Delta R.T. -0.009 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49

Instrument :

BNA_G

ClientSampleId :

PB140834BS

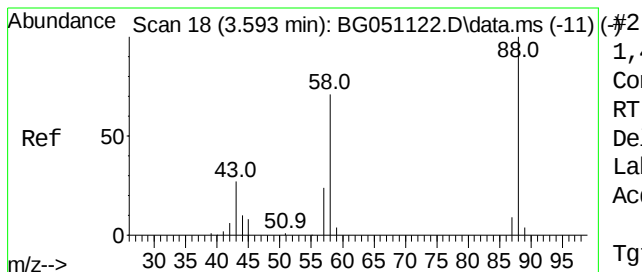
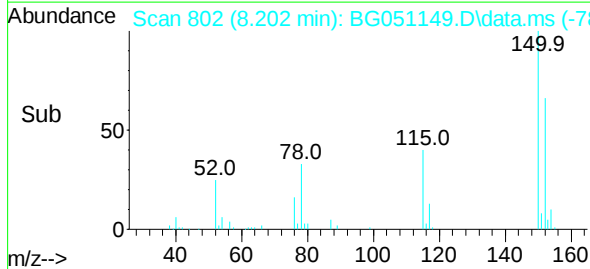
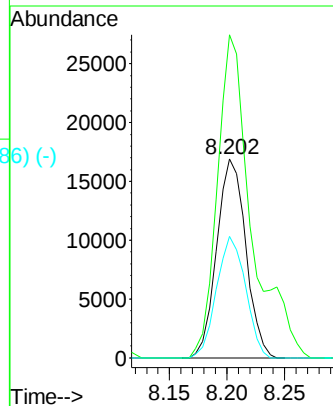
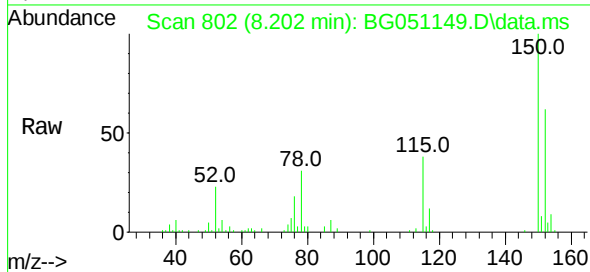
Tgt Ion:152 Resp: 29688

Ion Ratio Lower Upper

152 100

150 162.6 119.4 179.0

115 61.2 60.2 90.4



1,4-Dioxane

Concen: 31.73 ng

RT: 3.578 min Scan# 15

Delta R.T. -0.015 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49

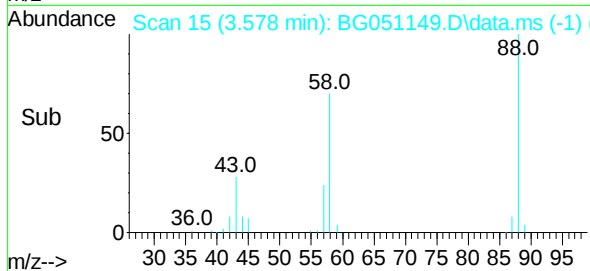
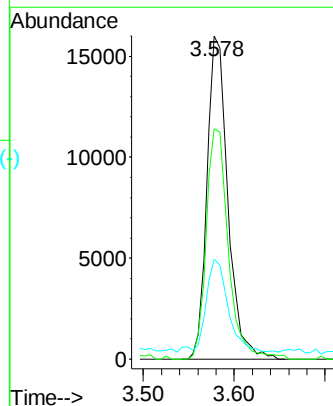
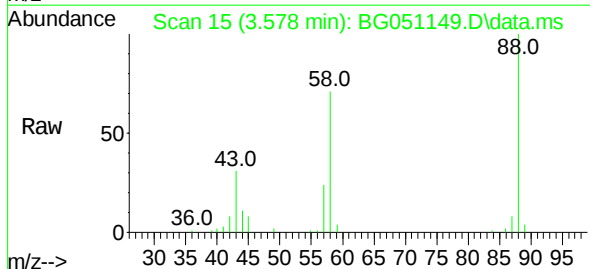
Tgt Ion: 88 Resp: 25555

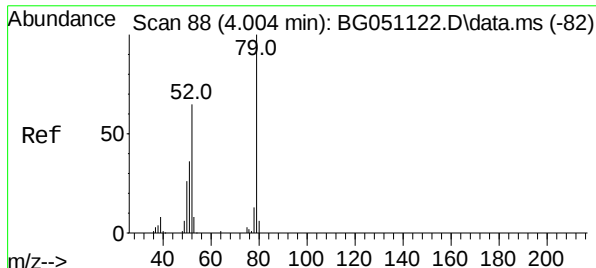
Ion Ratio Lower Upper

88 100

58 75.4 55.7 83.5

43 30.2 29.3 43.9



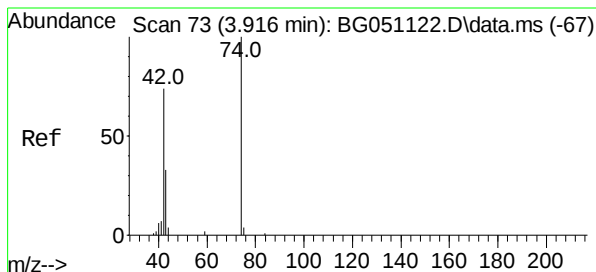
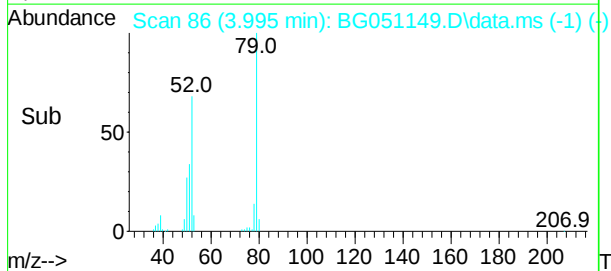
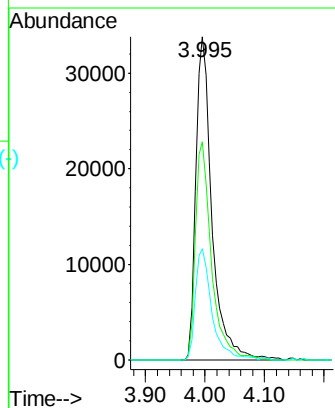
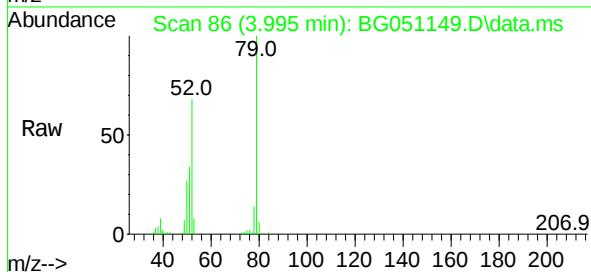


Pyridine
 Concen: 26.58 ng
 RT: 3.995 min Scan# 88
 Delta R.T. -0.009 min
 Lab File: BG051149.D
 Acq: 20 Nov 2021 15:49

Instrument :
 BNA_G
 ClientSampleId :
 PB140834BS

Tgt Ion: 79 Resp: 63680

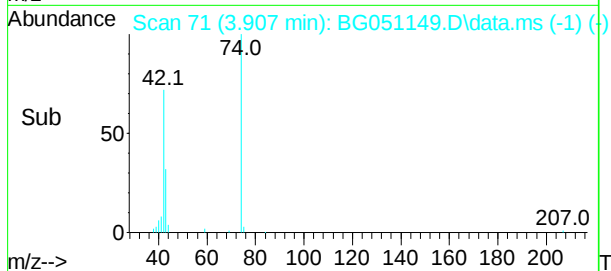
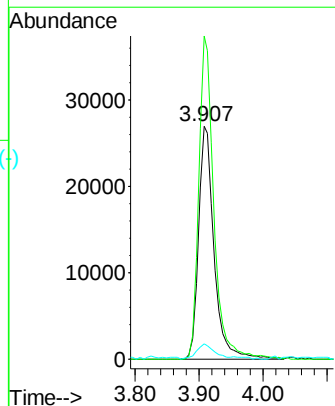
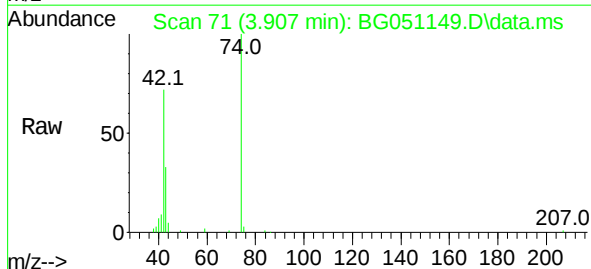
Ion	Ratio	Lower	Upper
79	100		
52	67.6	58.4	87.6
51	34.5	37.0	55.6#

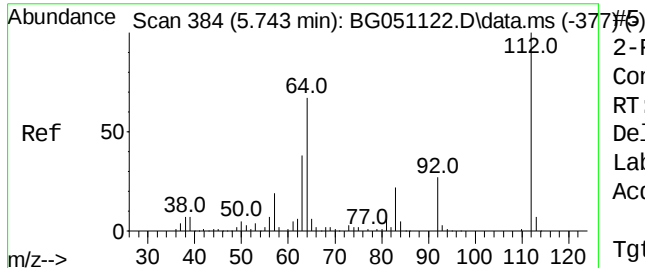


n-Nitrosodimethylamine
 Concen: 44.46 ng
 RT: 3.907 min Scan# 71
 Delta R.T. -0.009 min
 Lab File: BG051149.D
 Acq: 20 Nov 2021 15:49

Tgt Ion: 42 Resp: 45796

Ion	Ratio	Lower	Upper
42	100		
74	138.7	64.0	96.0#
44	6.6	2.7	4.1#





2-Fluorophenol

Concen: 128.99 ng

RT: 5.740 min Scan#

Delta R.T. -0.003 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49

Instrument :

BNA_G

ClientSampleId :

PB140834BS

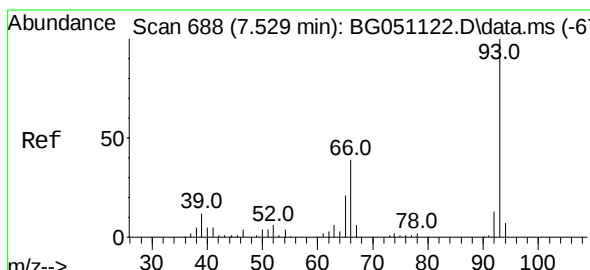
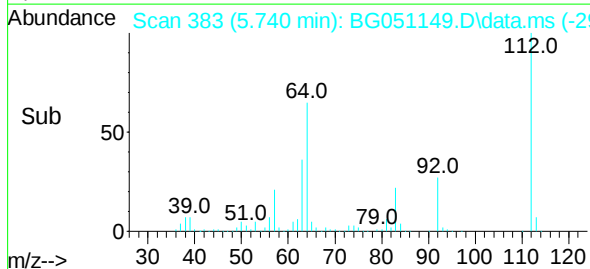
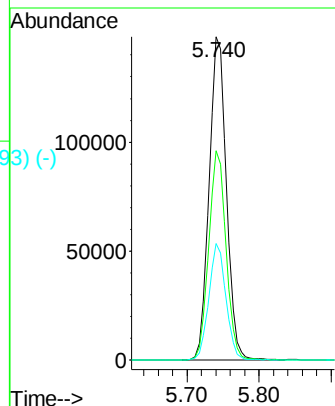
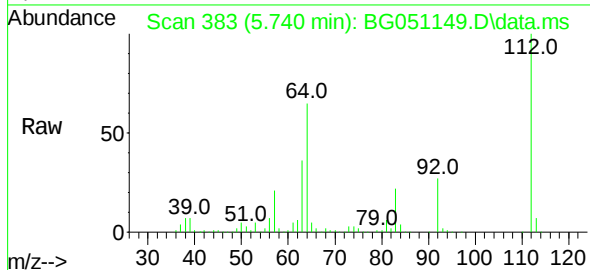
Tgt Ion:112 Resp: 247717

Ion Ratio Lower Upper

112 100

64 64.8 46.7 70.1

63 36.0 35.3 52.9



Aniline

Concen: 43.56 ng

RT: 7.526 min Scan# 687

Delta R.T. -0.003 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49

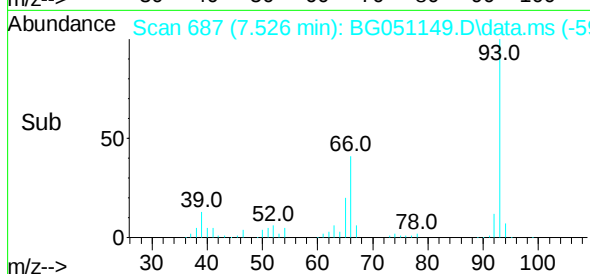
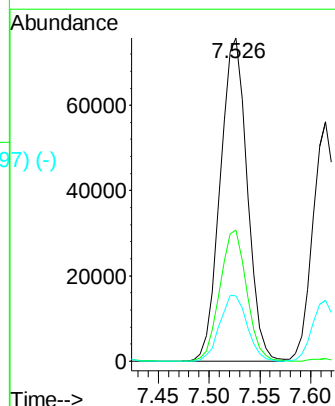
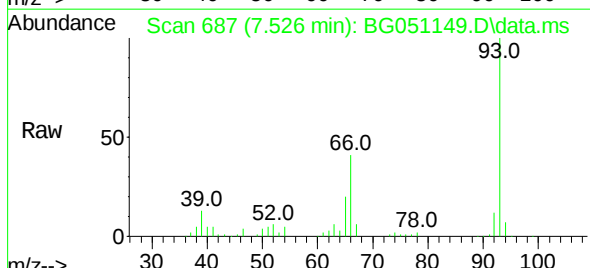
Tgt Ion: 93 Resp: 139976

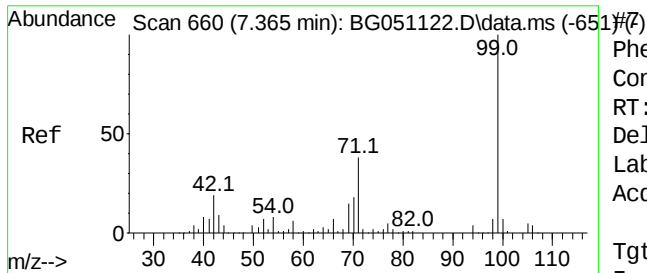
Ion Ratio Lower Upper

93 100

66 40.5 30.6 45.8

65 20.1 15.0 22.4





Phenol-d6

Concen: 121.63 ng

RT: 7.362 min Scan#

Delta R.T. -0.003 min

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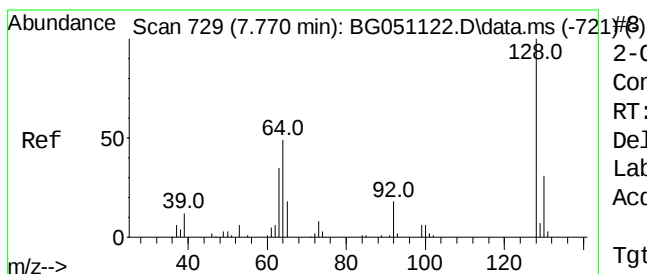
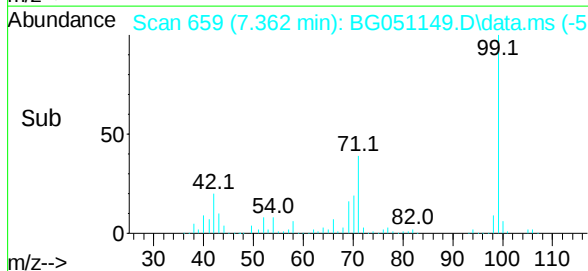
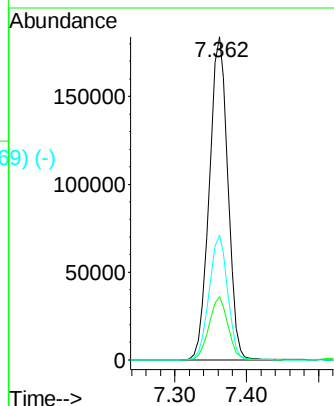
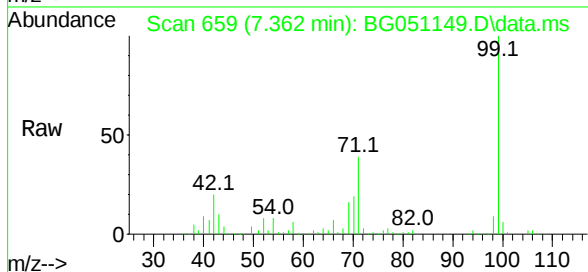
Tgt Ion: 99 Resp: 329006

Ion Ratio Lower Upper

99 100

42 19.6 20.5 30.7#

71 38.7 41.5 62.3#



2-Chlorophenol

Concen: 45.03 ng

RT: 7.767 min Scan# 728

Delta R.T. -0.003 min

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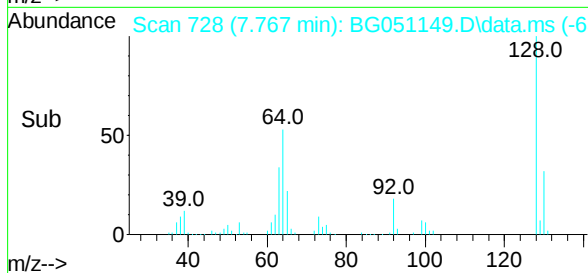
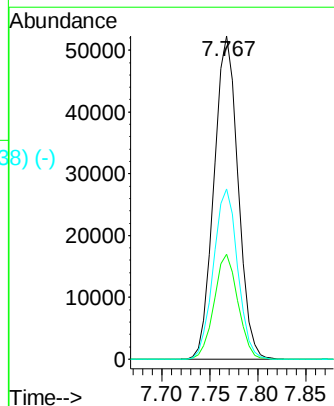
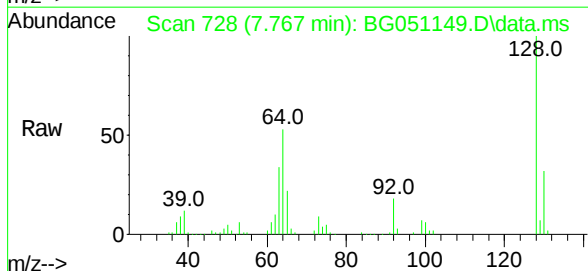
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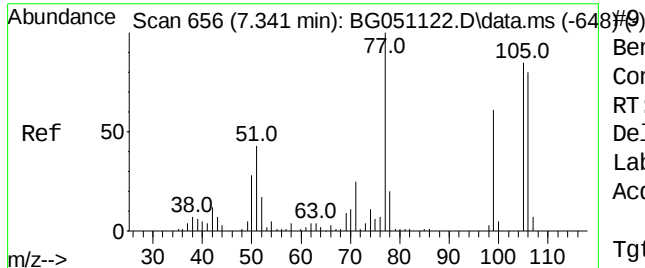
Ion Ratio Lower Upper

128 100

130 32.4 10.0 50.0

64 52.6 28.1 68.1





Benzaldehyde

Concen: 35.30 ng

RT: 7.338 min Scan#

Delta R.T. -0.003 min

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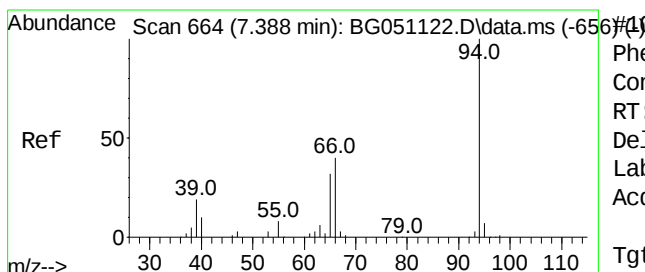
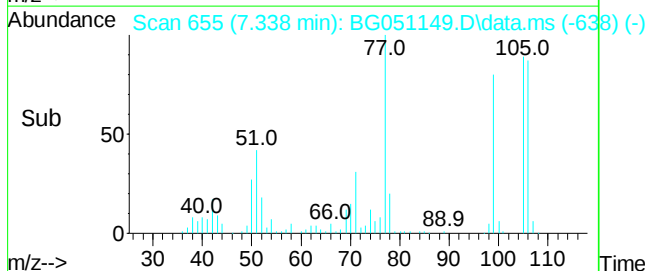
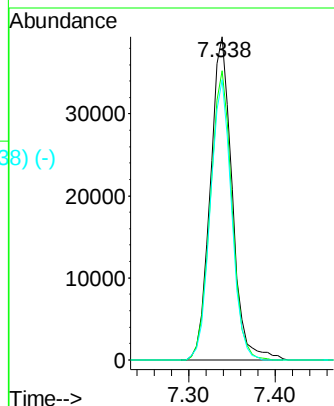
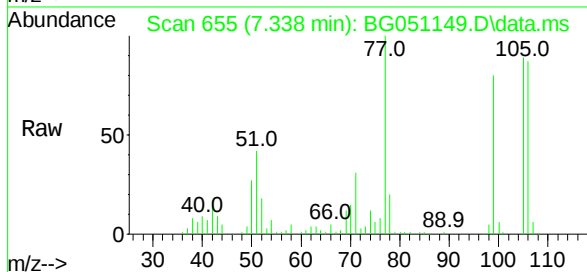
Tgt Ion: 77 Resp: 69090

Ion Ratio Lower Upper

77 100

105 89.4 68.8 108.8

106 86.6 47.9 87.9



Phenol

Concen: 44.59 ng

RT: 7.385 min Scan# 663

Delta R.T. -0.003 min

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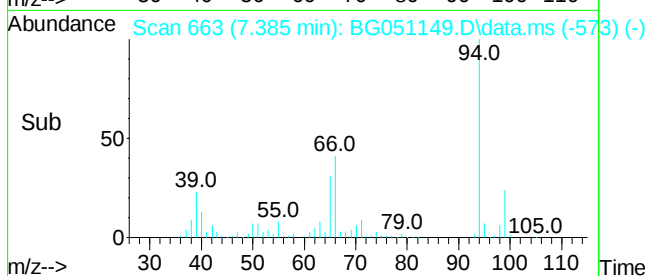
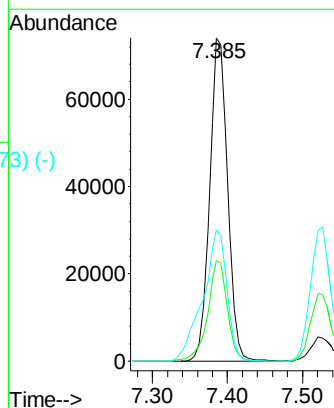
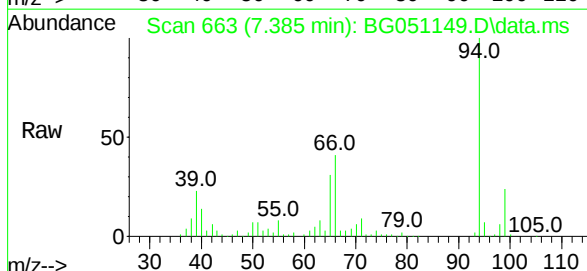
Tgt Ion: 94 Resp: 123805

Ion Ratio Lower Upper

94 100

65 31.1 12.9 52.9

66 40.7 39.4 79.4



Abundance Scan 703 (7.618 min): BG051122.D\data.ms (-696) #11

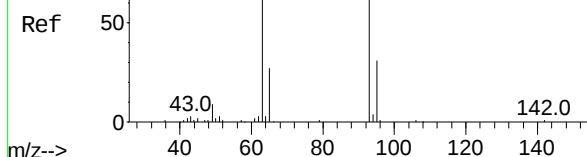
bis(2-Chloroethyl)ether
Concen: 43.28 ng
RT: 7.615 min Scan#
Delta R.T. -0.003 min
Lab File: BG051149.D
Acq: 20 Nov 2021 15:49

Instrument :

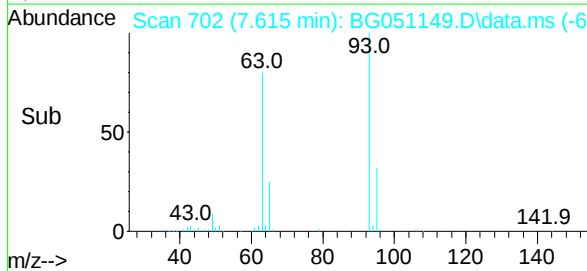
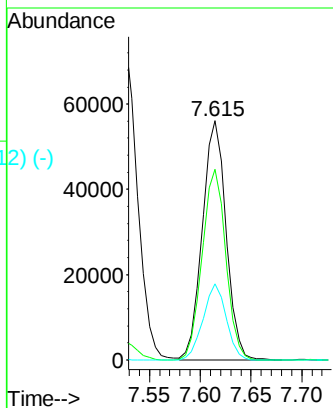
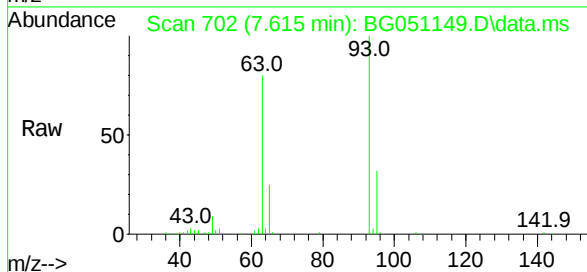
BNA_G

ClientSampleId :

PB140834BS



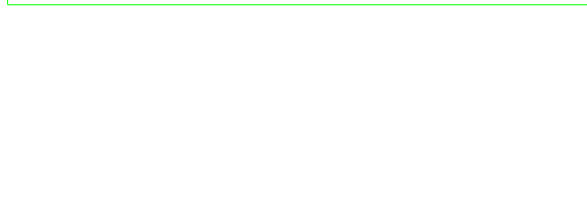
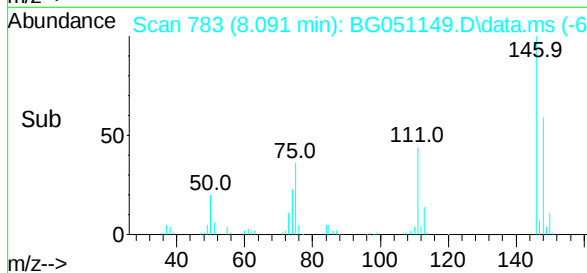
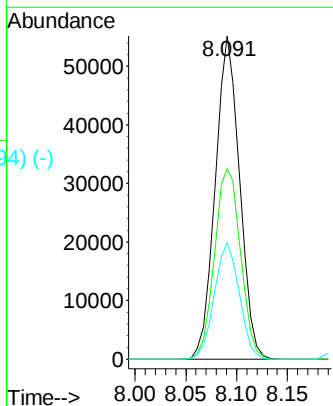
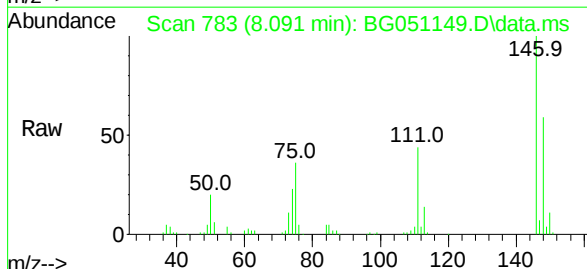
Tgt Ion:	93	Resp:	90864
Ion	Ratio	Lower	Upper
93	100		
63	79.6	50.4	90.4
95	31.8	15.3	55.3



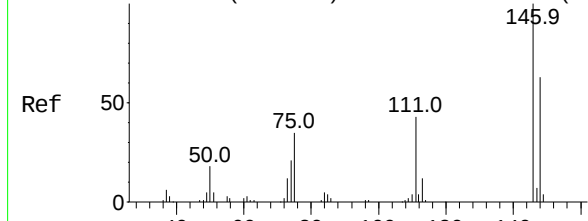
Abundance Scan 785 (8.099 min): BG051122.D\data.ms (-777) #12

1,3-Dichlorobenzene
Concen: 42.86 ng
RT: 8.091 min Scan# 783
Delta R.T. -0.009 min
Lab File: BG051149.D
Acq: 20 Nov 2021 15:49

Tgt Ion:	146	Resp:	92430
Ion	Ratio	Lower	Upper
146	100		
148	58.9	52.6	78.8
75	36.0	35.7	53.5



Abundance Scan 810 (8.246 min): BG051122.D\data.ms (-802) #13

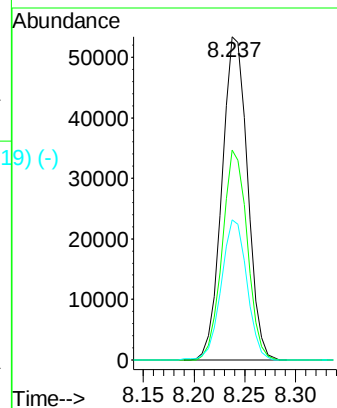
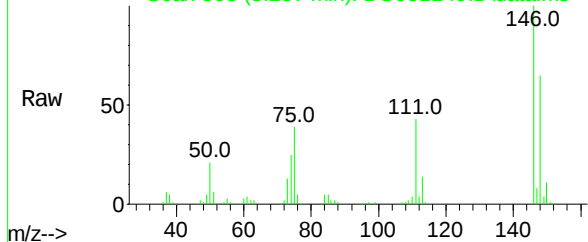


1,4-Dichlorobenzene
Concen: 41.84 ng
RT: 8.237 min Scan# 810
Delta R.T. -0.009 min
Lab File: BG051149.D
Acq: 20 Nov 2021 15:49

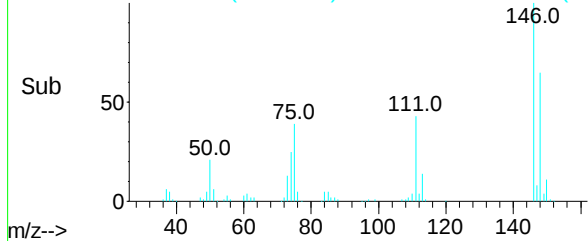
Instrument :
BNA_G
ClientSampleId :
PB140834BS

Tgt Ion:	146	Resp:	93527
Ion	Ratio	Lower	Upper
146	100		
148	64.9	54.0	81.0
111	43.3	34.3	51.5

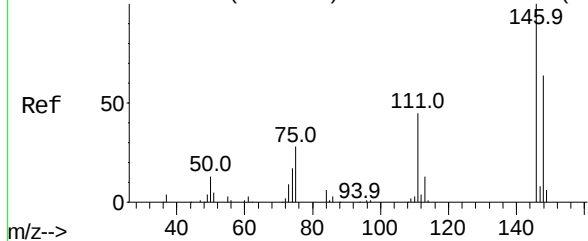
Abundance Scan 808 (8.237 min): BG051149.D\data.ms



Abundance Scan 808 (8.237 min): BG051149.D\data.ms (-719) (-)



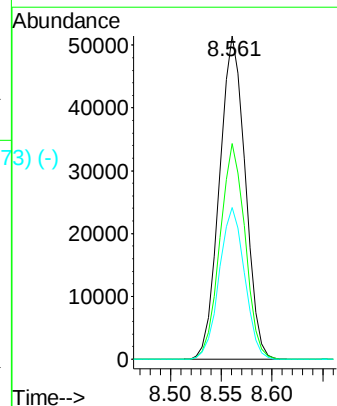
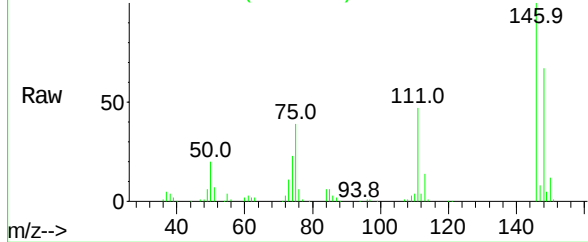
Abundance Scan 864 (8.563 min): BG051122.D\data.ms (-857) #14



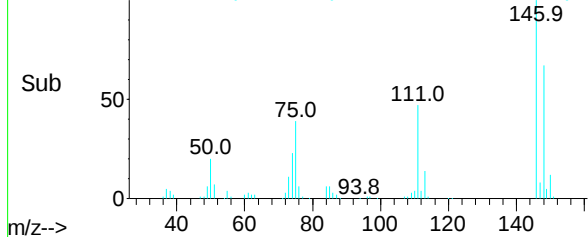
1,2-Dichlorobenzene
Concen: 42.77 ng
RT: 8.561 min Scan# 863
Delta R.T. -0.003 min
Lab File: BG051149.D
Acq: 20 Nov 2021 15:49

Tgt Ion:	146	Resp:	90694
Ion	Ratio	Lower	Upper
146	100		
148	66.7	47.5	71.3
111	46.8	39.1	58.7

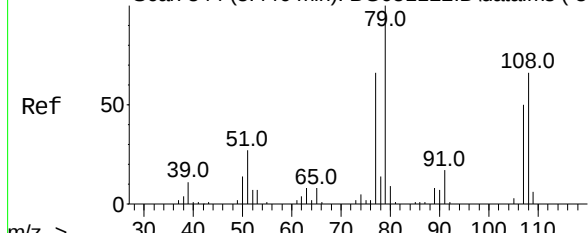
Abundance Scan 863 (8.561 min): BG051149.D\data.ms



Abundance Scan 863 (8.561 min): BG051149.D\data.ms (-773) (-)



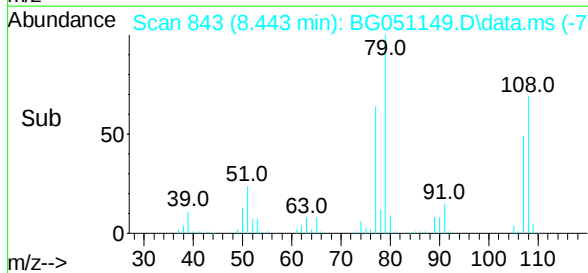
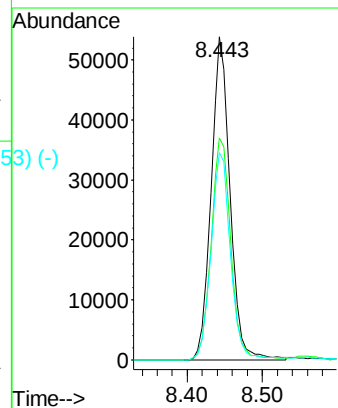
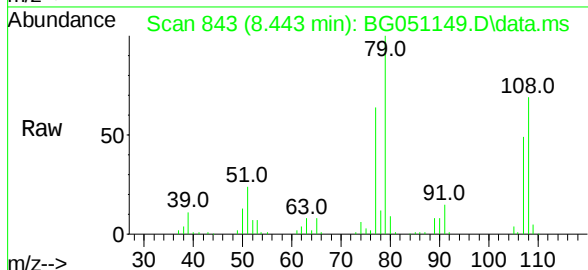
Abundance Scan 844 (8.446 min): BG051122.D\data.ms (-836) #15



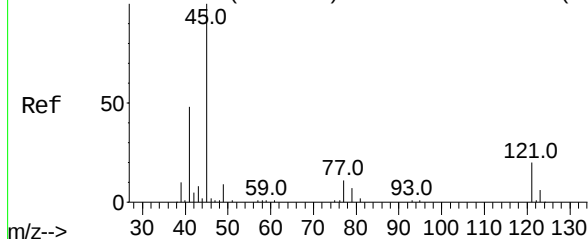
Benzyl Alcohol
 Concen: 43.88 ng
 RT: 8.443 min Scan# 843
 Delta R.T. -0.003 min
 Lab File: BG051149.D
 Acq: 20 Nov 2021 15:49

Instrument :
 BNA_G
 ClientSampleId :
 PB140834BS

Tgt Ion:	79	Resp:	94826
Ion	Ratio	Lower	Upper
79	100		
108	68.6	48.2	72.4
77	64.1	57.3	85.9

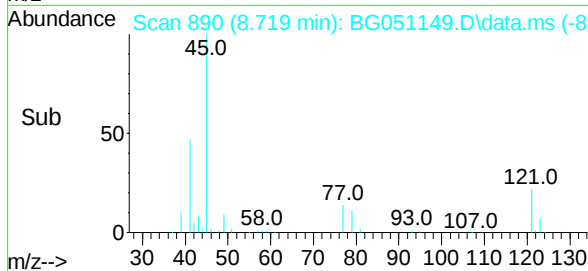
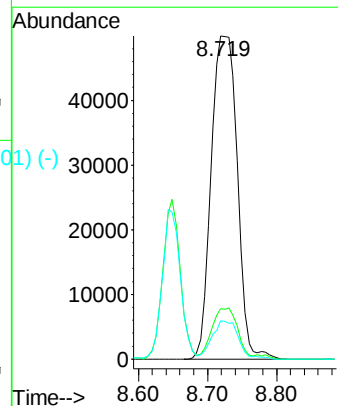
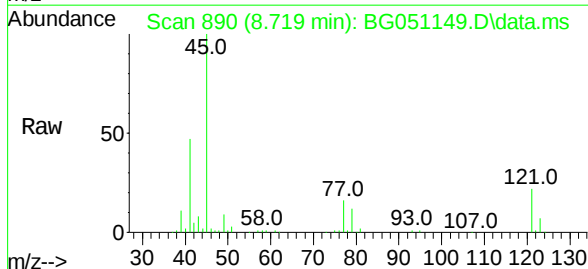


Abundance Scan 892 (8.728 min): BG051122.D\data.ms (-883) #16



2,2'-oxybis(1-Chloropropane)
 Concen: 43.22 ng
 RT: 8.719 min Scan# 890
 Delta R.T. -0.009 min
 Lab File: BG051149.D
 Acq: 20 Nov 2021 15:49

Tgt Ion:	45	Resp:	131157
Ion	Ratio	Lower	Upper
45	100		
77	15.6	2.2	42.2
79	11.8	0.0	34.3



Abundance Scan 879 (8.652 min): BG051122.D\data.ms (-869) #17

2-Methylphenol

Concen: 44.60 ng

RT: 8.649 min Scan# 879

Delta R.T. -0.003 min

Lab File: BG051149.D

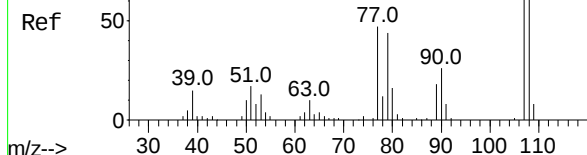
Acq: 20 Nov 2021 15:49

Instrument :

BNA_G

ClientSampleId :

PB140834BS



Tgt Ion:107 Resp: 83607

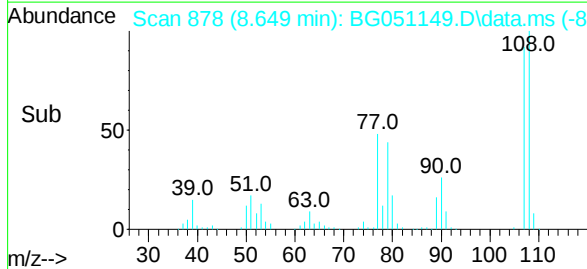
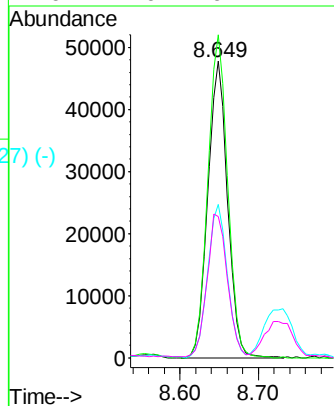
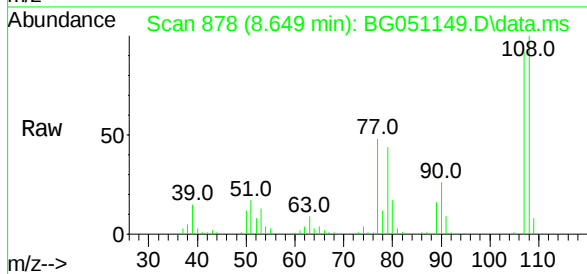
Ion Ratio Lower Upper

107 100

108 108.9 84.6 127.0

77 51.7 50.7 76.1

79 47.6 49.4 74.0#



Abundance Scan 989 (9.298 min): BG051122.D\data.ms (-981) #18

Hexachloroethane

Concen: 43.17 ng

RT: 9.295 min Scan# 988

Delta R.T. -0.003 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49

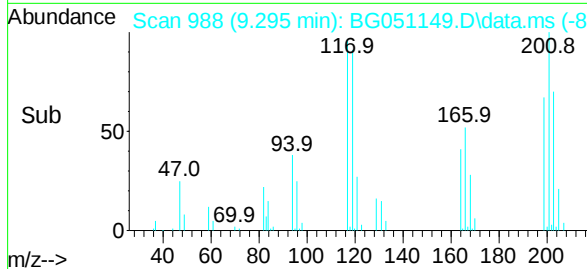
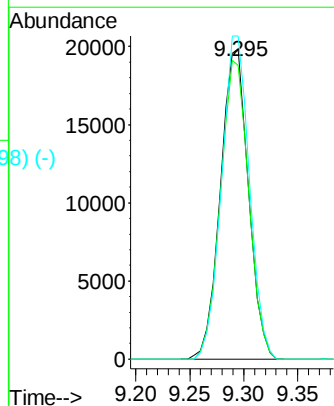
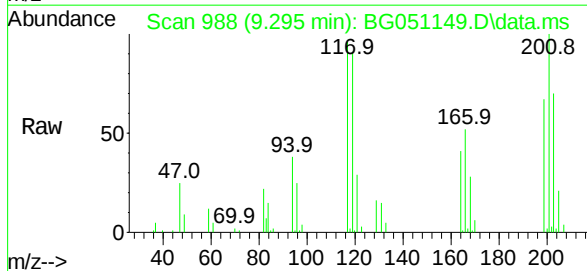
Tgt Ion:117 Resp: 36066

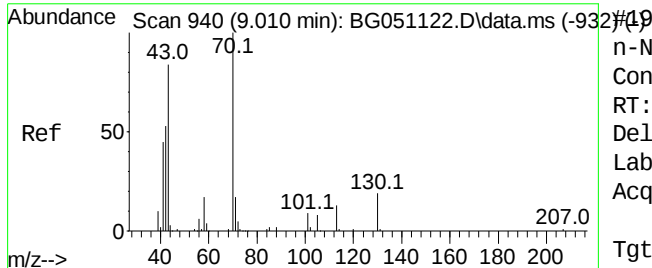
Ion Ratio Lower Upper

117 100

119 94.6 74.4 111.6

201 104.2 88.6 133.0

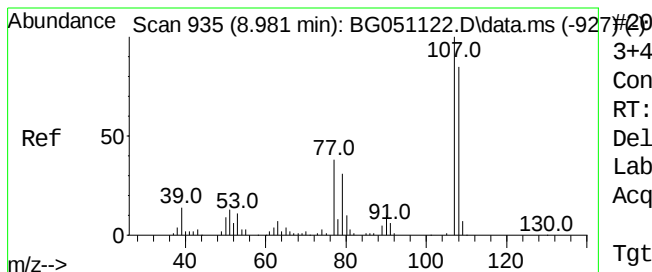
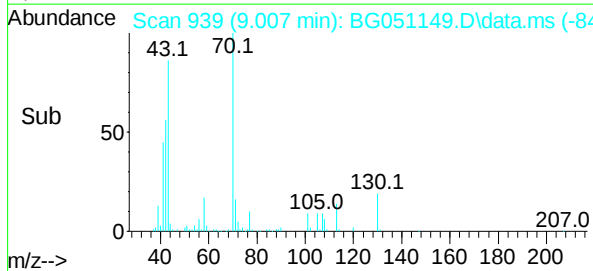
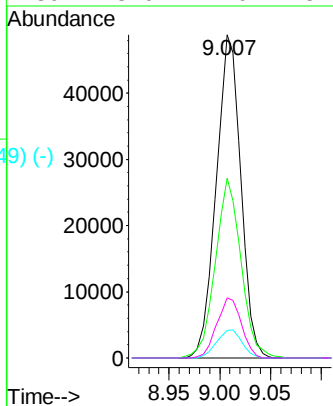
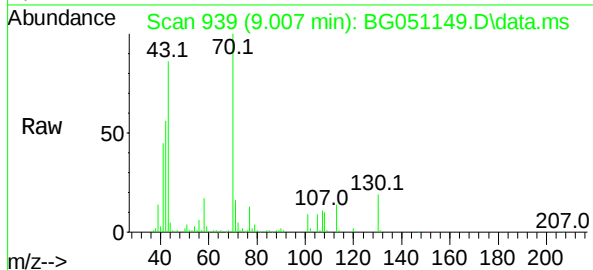




n-Nitroso-di-n-propylamine
 Concen: 41.34 ng
 RT: 9.007 min Scan# 939
 Delta R.T. -0.003 min
 Lab File: BG051149.D
 Acq: 20 Nov 2021 15:49

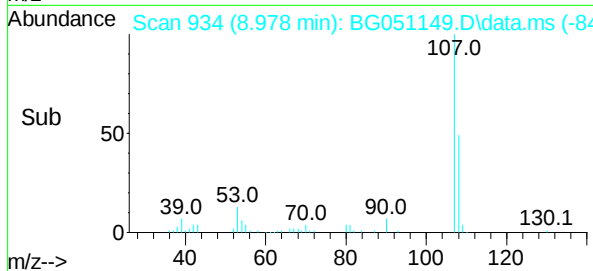
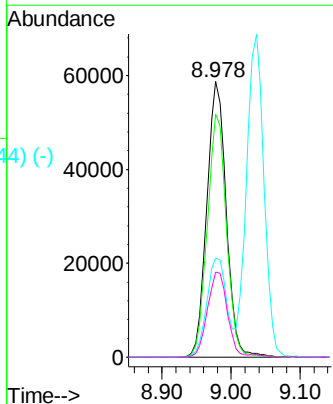
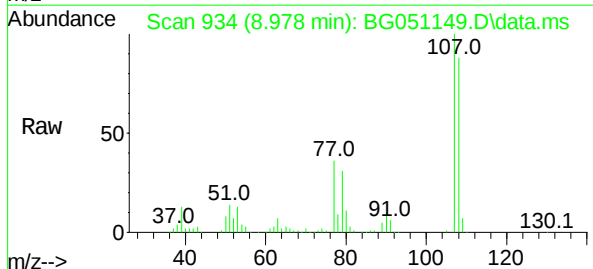
Instrument :
 BNA_G
 ClientSampleId :
 PB140834BS

Tgt Ion:	70	Resp:	82539
Ion	Ratio	Lower	Upper
70	100		
42	55.7	54.5	81.7
101	8.6	9.0	13.6#
130	18.6	17.0	25.6



3+4-Methylphenols
 Concen: 42.90 ng
 RT: 8.978 min Scan# 934
 Delta R.T. -0.003 min
 Lab File: BG051149.D
 Acq: 20 Nov 2021 15:49

Tgt Ion:	107	Resp:	114613
Ion	Ratio	Lower	Upper
107	100		
108	88.2	69.3	109.3
77	35.9	25.2	65.2
79	30.9	15.1	55.1



Abundance Scan 1285 (11.037 min): BG051122.D\data.ms (-1285) (-)

Naphthalene-d8

Concen: 20.00 ng

RT: 11.034 min Scan# 1194

Delta R.T. -0.003 min

Lab File: BG051149.D

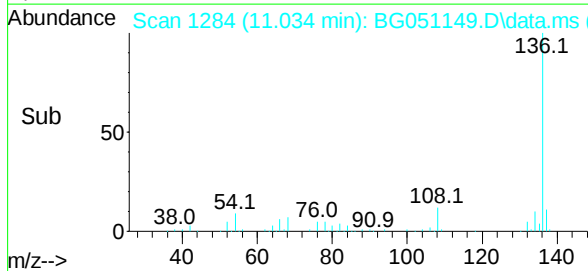
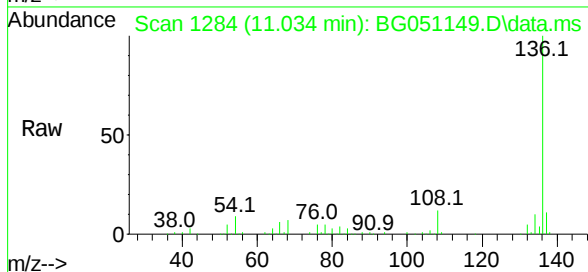
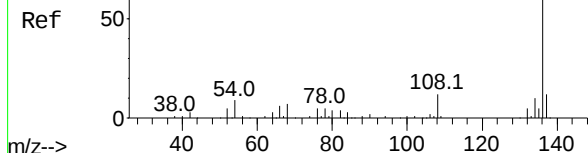
Acq: 20 Nov 2021 15:49

Instrument :

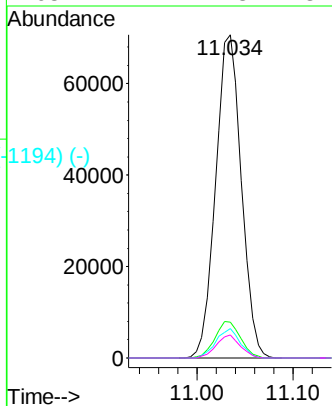
BNA_G

ClientSampleId :

PB140834BS



Tgt Ion:	136	Resp:	130990
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.2	12.2
54	9.2	5.5	8.3#
68	7.2	2.3	3.5#



Abundance Scan 945 (9.039 min): BG051122.D\data.ms (-938) (-)

Acetophenone

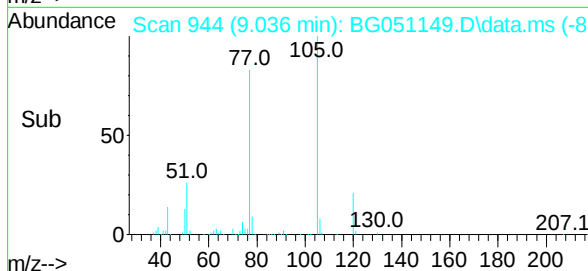
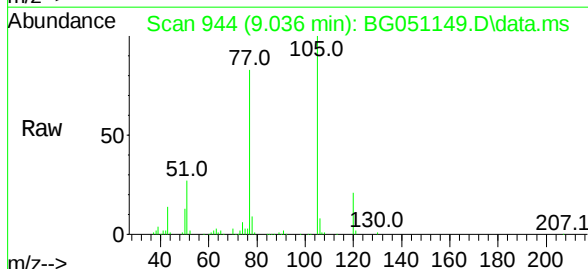
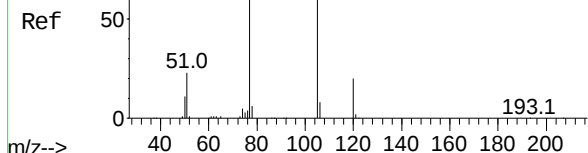
Concen: 40.79 ng

RT: 9.036 min Scan# 944

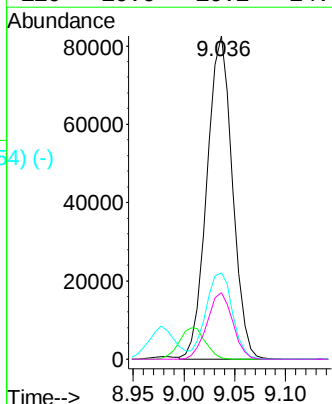
Delta R.T. -0.003 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49



Tgt Ion:	105	Resp:	144346
Ion	Ratio	Lower	Upper
105	100		
71	0.5	0.6	0.8#
51	26.8	26.6	40.0
120	20.6	16.2	24.4



Abundance Scan 1004 (9.386 min): BG051122.D\data.ms (-99623)

Nitrobenzene-d5

Concen: 78.09 ng

RT: 9.383 min Scan#

Delta R.T. -0.003 min

Lab File: BG051149.D

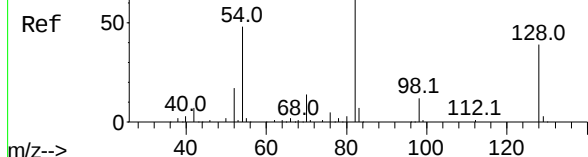
Acq: 20 Nov 2021 15:49

Instrument :

BNA_G

ClientSampleId :

PB140834BS



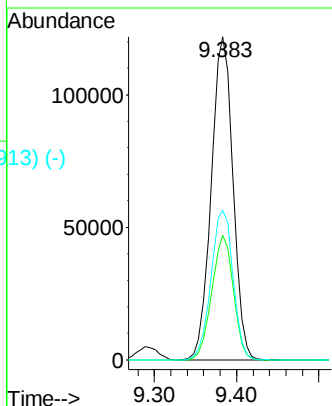
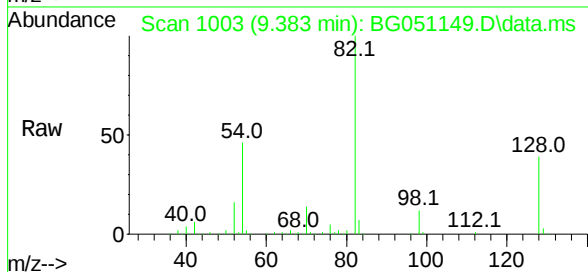
Tgt Ion: 82 Resp: 224089

Ion Ratio Lower Upper

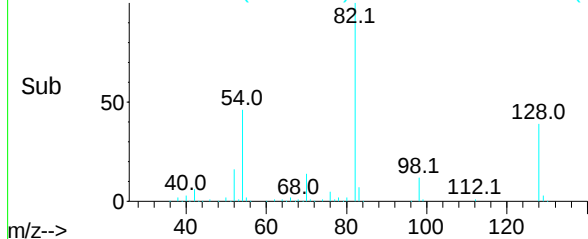
82 100

128 38.6 29.8 44.6

54 46.3 45.8 68.8



Abundance Scan 1003 (9.383 min): BG051149.D\data.ms (-913) (-)



Abundance Scan 1011 (9.427 min): BG051122.D\data.ms (-99624)

Nitrobenzene

Concen: 42.75 ng

RT: 9.424 min Scan# 1010

Delta R.T. -0.003 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49

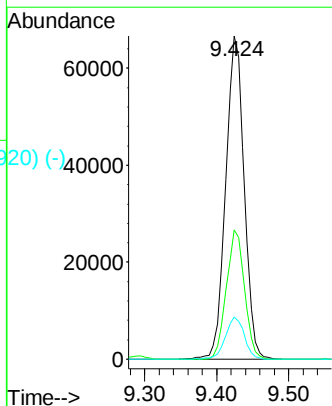
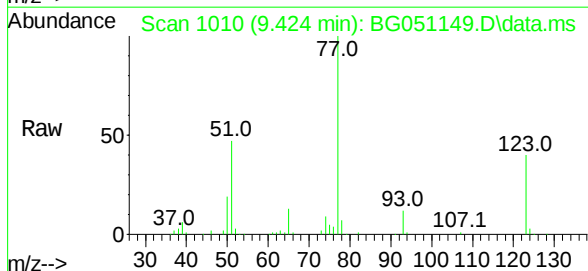
Tgt Ion: 77 Resp: 118979

Ion Ratio Lower Upper

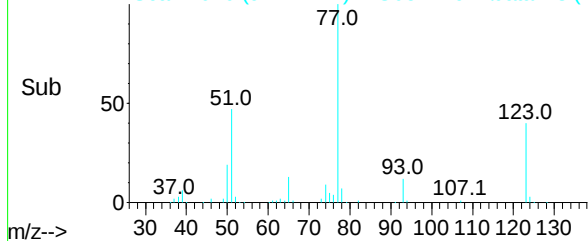
77 100

123 40.1 27.5 41.3

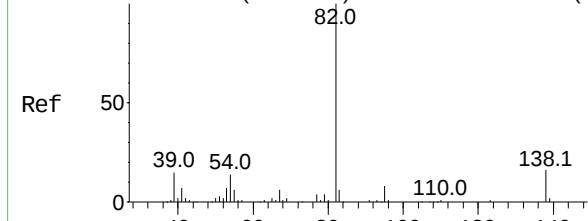
65 13.1 12.6 18.8



Abundance Scan 1010 (9.424 min): BG051149.D\data.ms (-920) (-)



Abundance Scan 1099 (9.944 min): BG051122.D\data.ms (-1025-)



Isophorone

Concen: 42.02 ng

RT: 9.947 min Scan# 1125

Delta R.T. 0.003 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49

Instrument :

BNA_G

ClientSampleId :

PB140834BS

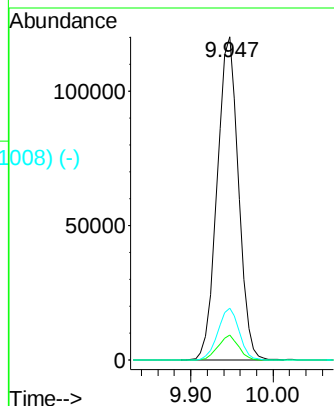
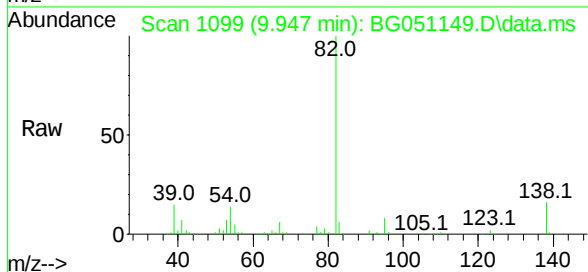
Tgt Ion: 82 Resp: 217054

Ion Ratio Lower Upper

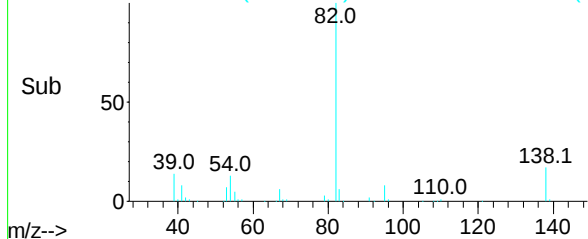
82 100

95 7.7 8.5 12.7#

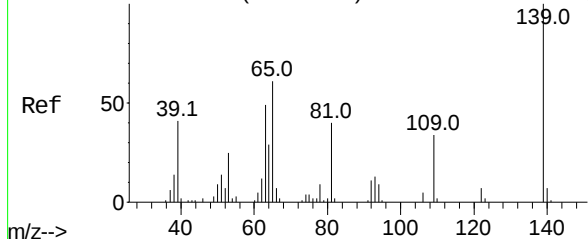
138 16.1 11.8 17.6



Abundance Scan 1099 (9.947 min): BG051149.D\data.ms (-1008-)



Abundance Scan 1133 (10.144 min): BG051122.D\data.ms (-1126-)



2-Nitrophenol

Concen: 42.18 ng

RT: 10.135 min Scan# 1131

Delta R.T. -0.009 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49

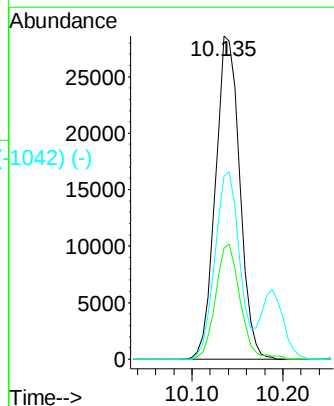
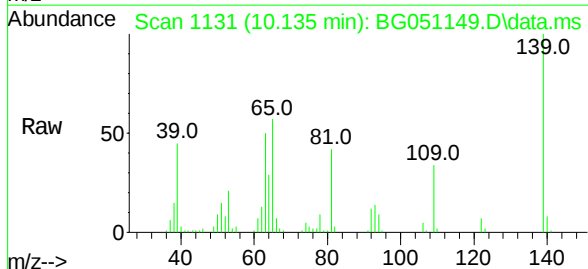
Tgt Ion: 139 Resp: 53143

Ion Ratio Lower Upper

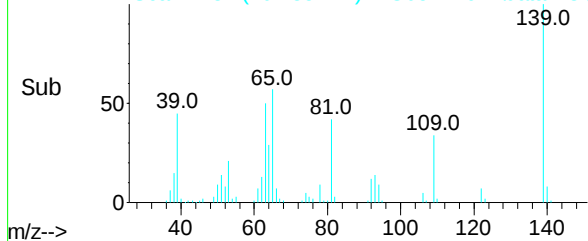
139 100

109 34.4 37.8 56.6#

65 56.6 51.8 77.8



Abundance Scan 1131 (10.135 min): BG051149.D\data.ms (-1042-)



Abundance Scan 1141 (10.191 min): BG051122.D\data.ms (-1125) (-)

2,4-Dimethylphenol

Concen: 47.25 ng

RT: 10.188 min Scan#

Delta R.T. -0.003 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49

Instrument :

BNA_G

ClientSampleId :

PB140834BS

Tgt Ion:122 Resp: 87857

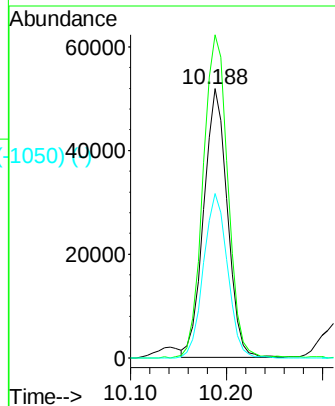
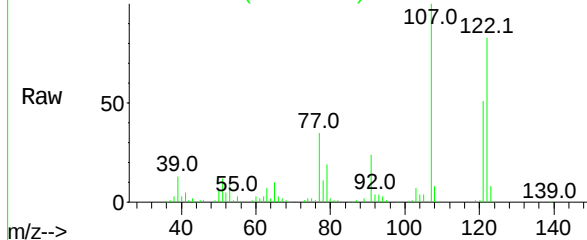
Ion Ratio Lower Upper

122 100

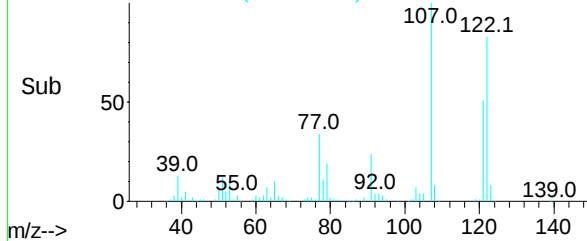
107 120.0 110.1 165.1

121 61.2 49.0 73.6

Abundance Scan 1140 (10.188 min): BG051149.D\data.ms



Abundance Scan 1140 (10.188 min): BG051149.D\data.ms (-1050) (-)



Abundance Scan 1180 (10.420 min): BG051122.D\data.ms (-1123) (-)

bis(2-Chloroethoxy)methane

Concen: 40.57 ng

RT: 10.417 min Scan# 1179

Delta R.T. -0.003 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49

Tgt Ion: 93 Resp: 124799

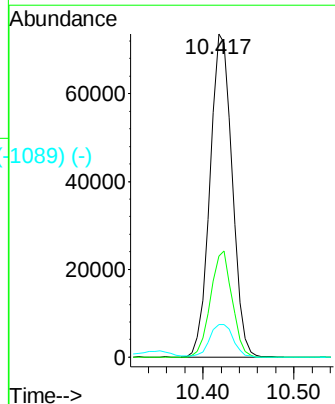
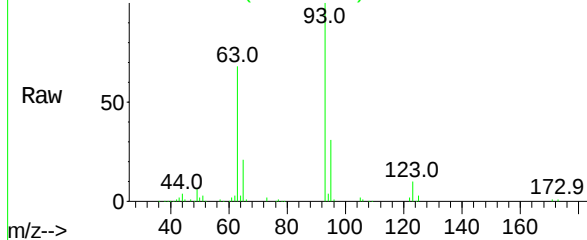
Ion Ratio Lower Upper

93 100

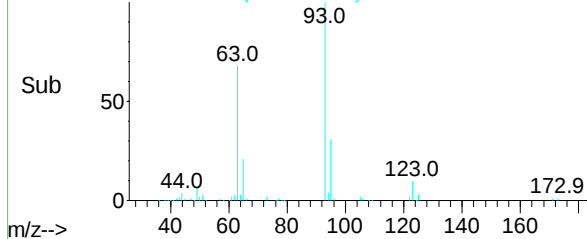
95 31.3 22.2 33.4

123 10.1 8.8 13.2

Abundance Scan 1179 (10.417 min): BG051149.D\data.ms



Abundance Scan 1179 (10.417 min): BG051149.D\data.ms (-1089) (-)



Abundance Scan 1225 (10.685 min): BG051122.D\data.ms (-1225) (-)

2,4-Dichlorophenol

Concen: 43.38 ng

RT: 10.682 min Scan# 1134

Delta R.T. -0.003 min

Lab File: BG051149.D

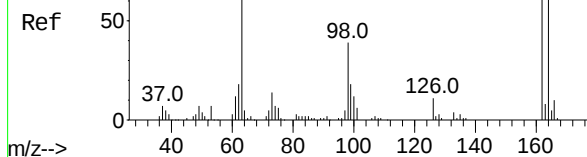
Acq: 20 Nov 2021 15:49

Instrument :

BNA_G

ClientSampleId :

PB140834BS



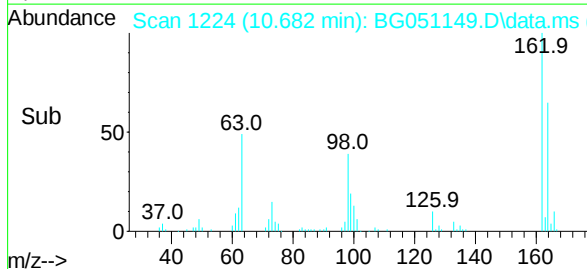
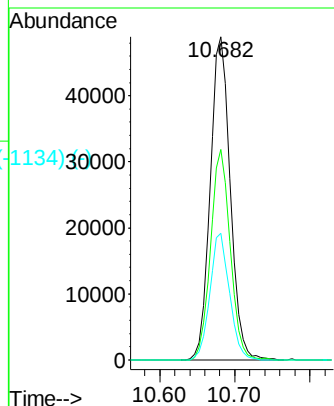
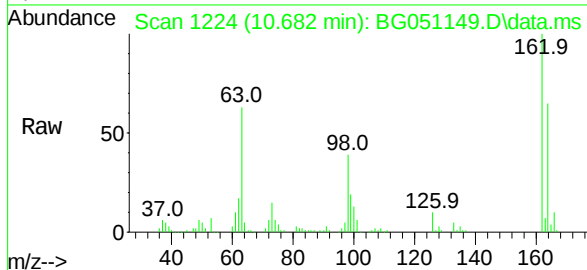
Tgt Ion:162 Resp: 91037

Ion Ratio Lower Upper

162 100

164 65.2 39.4 79.4

98 39.1 18.7 58.7



Abundance Scan 1261 (10.896 min): BG051122.D\data.ms (-1261) (-)

1,2,4-Trichlorobenzene

Concen: 40.64 ng

RT: 10.893 min Scan# 1260

Delta R.T. -0.003 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49

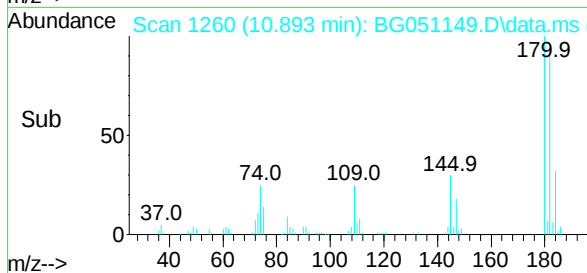
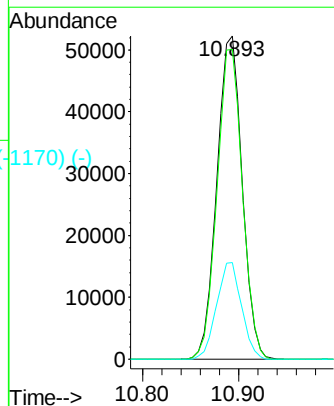
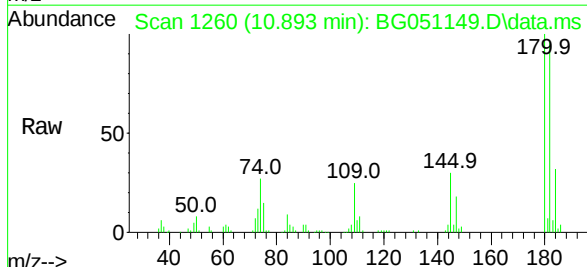
Tgt Ion:180 Resp: 95790

Ion Ratio Lower Upper

180 100

182 95.9 78.9 118.3

145 29.9 26.2 39.4



Abundance Scan 1293 (11.084 min): BG051122.D\data.ms (-128) (-)

Naphthalene

Concen: 40.97 ng

RT: 11.081 min Scan# 1168

Delta R.T. -0.003 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49

Instrument :

BNA_G

ClientSampleId :

PB140834BS

Tgt Ion:128 Resp: 283217

Ion Ratio Lower Upper

128 100

129 11.1 8.5 12.7

127 13.6 10.2 15.4

Abundance Scan 1292 (11.081 min): BG051149.D\data.ms

Ref 50

128.0

37.0 51.0 74.0 88.0 102.0

m/z-->

Abundance Scan 1292 (11.081 min): BG051149.D\data.ms (-1202) (-)

Ref 50

128.0

37.0 51.0 74.0 88.0 102.0

m/z-->

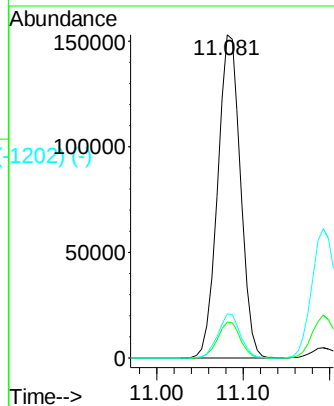
Abundance Scan 1292 (11.081 min): BG051149.D\data.ms (-1202) (-)

Ref 50

128.0

37.0 51.0 74.0 88.0 102.0

m/z-->



Abundance Scan 1167 (10.344 min): BG051122.D\data.ms (-1132) (-)

Benzoic acid

Concen: 39.89 ng

RT: 10.353 min Scan# 1168

Delta R.T. 0.009 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49

Tgt Ion:122 Resp: 51121

Ion Ratio Lower Upper

122 100

105 132.3 92.3 132.3

77 110.3 66.5 106.5#

Abundance Scan 1168 (10.353 min): BG051149.D\data.ms

Ref 50

77.0 105.0 122.0

38.0 51.0

m/z-->

Abundance Scan 1168 (10.353 min): BG051149.D\data.ms (-1076) (-)

Ref 50

77.0 105.0 122.0

38.0 51.0

m/z-->

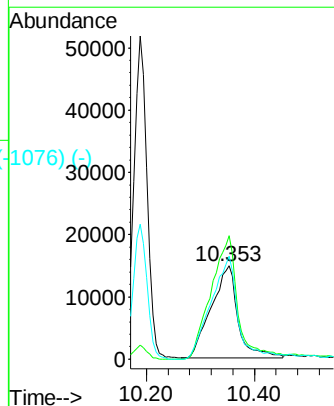
Abundance Scan 1168 (10.353 min): BG051149.D\data.ms (-1076) (-)

Ref 50

77.0 105.0 122.0

38.0 51.0

m/z-->



Abundance Scan 1312 (11.196 min): BG051122.D\data.ms (-1333) (-)

4-Chloroaniline

Concen: 40.04 ng

RT: 11.193 min Scan# 1333

Delta R.T. -0.003 min

Lab File: BG051149.D

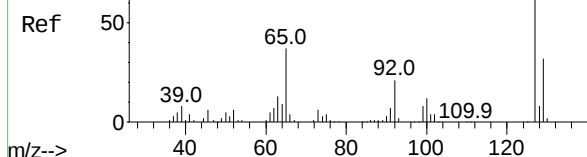
Acq: 20 Nov 2021 15:49

Instrument :

BNA_G

ClientSampleId :

PB140834BS



Tgt Ion:127 Resp: 118927

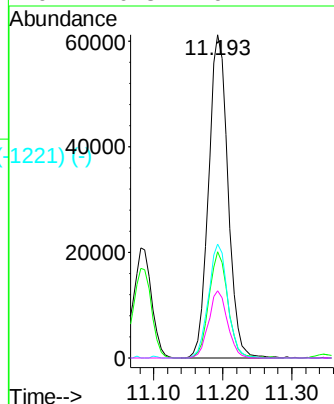
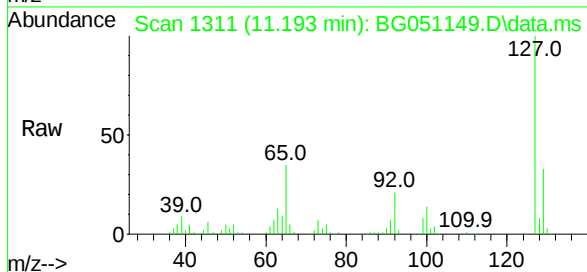
Ion Ratio Lower Upper

127 100

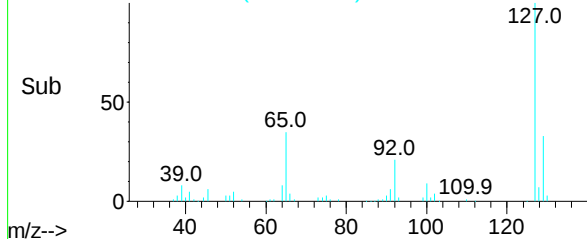
129 32.9 26.7 40.1

65 35.2 32.8 49.2

92 20.8 16.2 24.4



Abundance Scan 1311 (11.193 min): BG051149.D\data.ms (-1221) (-)



Abundance Scan 1339 (11.354 min): BG051122.D\data.ms (-1331) (-)

Hexachlorobutadiene

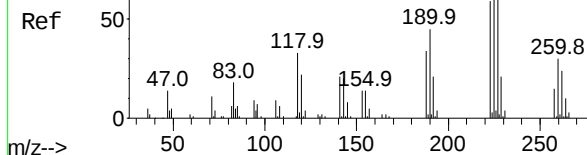
Concen: 40.82 ng

RT: 11.346 min Scan# 1337

Delta R.T. -0.009 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49



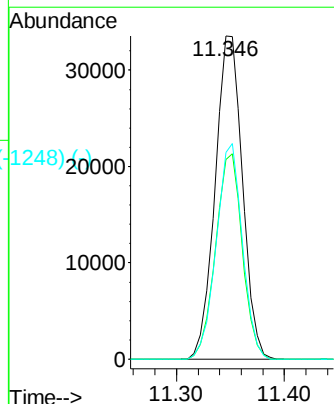
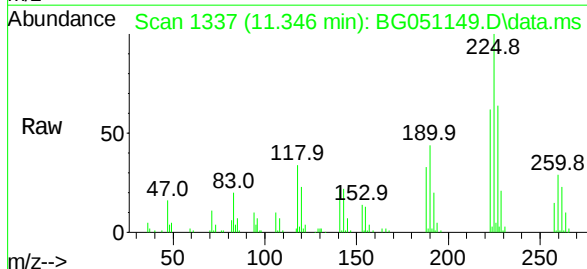
Tgt Ion:225 Resp: 59415

Ion Ratio Lower Upper

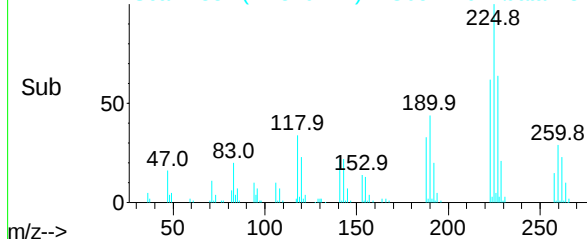
225 100

223 61.7 49.8 74.8

227 64.0 46.4 69.6



Abundance Scan 1337 (11.346 min): BG051149.D\data.ms (-1248) (-)



Abundance Scan 1444 (11.971 min): BG051122.D\data.ms (-1435) (-)

Caprolactam

Concen: 35.95 ng

RT: 11.980 min Scan# 1435

Delta R.T. 0.009 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49

Instrument :

BNA_G

ClientSampleId :

PB140834BS

Tgt Ion:113 Resp: 20149

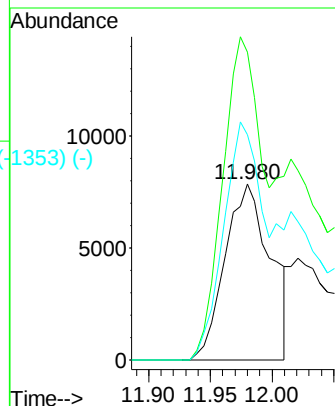
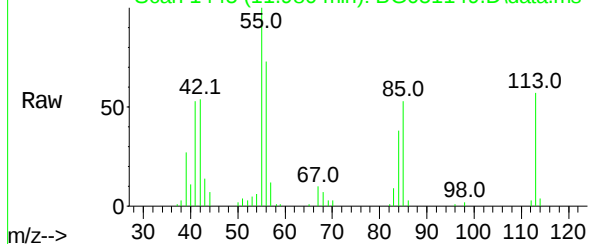
Ion Ratio Lower Upper

113 100

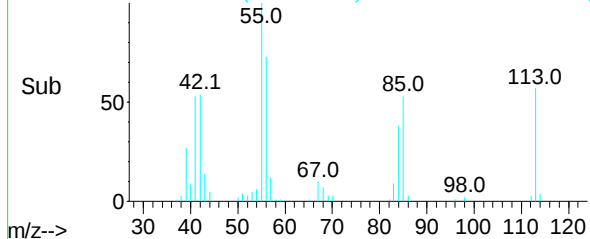
55 174.5 113.8 153.8#

56 127.7 105.6 145.6

Abundance Scan 1445 (11.980 min): BG051149.D\data.ms



Abundance Scan 1445 (11.980 min): BG051149.D\data.ms (-1353) (-)



Abundance Scan 1501 (12.306 min): BG051122.D\data.ms (-1436) (-)

4-Chloro-3-methylphenol

Concen: 42.19 ng

RT: 12.303 min Scan# 1500

Delta R.T. -0.003 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49

Tgt Ion:107 Resp: 109312

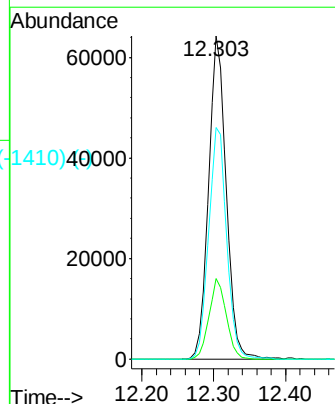
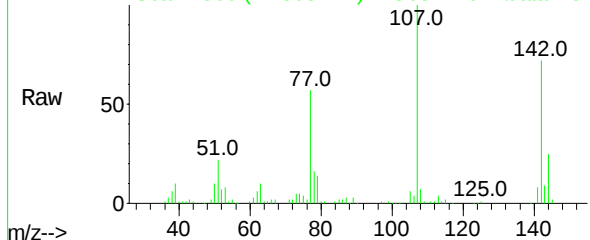
Ion Ratio Lower Upper

107 100

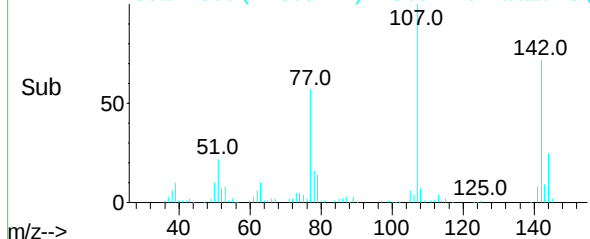
144 24.9 24.8 37.2

142 71.7 62.2 93.4

Abundance Scan 1500 (12.303 min): BG051149.D\data.ms



Abundance Scan 1500 (12.303 min): BG051149.D\data.ms (-1410) (-)



Abundance Scan 1564 (12.676 min): BG051122.D\data.ms (-1537) (-)

2-Methylnaphthalene

Concen: 42.49 ng

RT: 12.673 min Scan# 1564

Delta R.T. -0.003 min

Lab File: BG051149.D

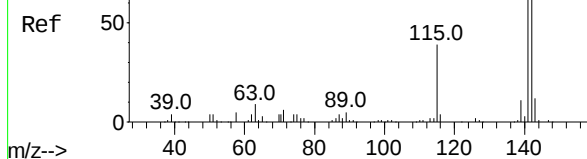
Acq: 20 Nov 2021 15:49

Instrument :

BNA_G

ClientSampleId :

PB140834BS



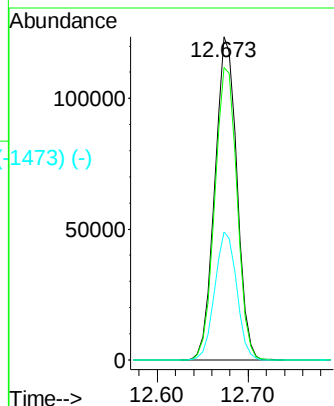
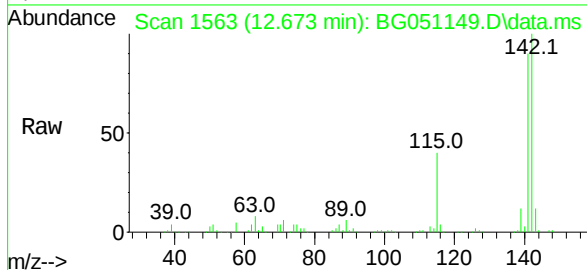
Tgt Ion:142 Resp: 208082

Ion Ratio Lower Upper

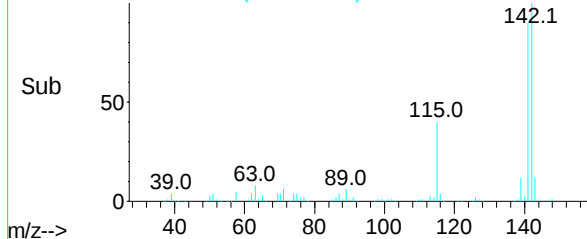
142 100

141 90.4 68.8 103.2

115 39.5 36.4 54.6



Abundance Scan 1563 (12.673 min): BG051149.D\data.ms (-1473) (-)



Abundance Scan 1601 (12.894 min): BG051122.D\data.ms (-1538) (-)

1-Methylnaphthalene

Concen: 39.46 ng

RT: 12.897 min Scan# 1601

Delta R.T. 0.003 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49

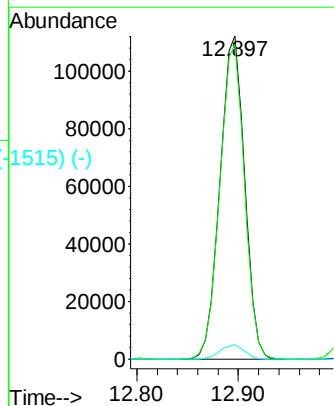
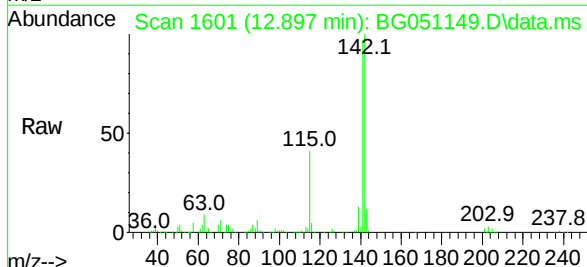
Tgt Ion:142 Resp: 188676

Ion Ratio Lower Upper

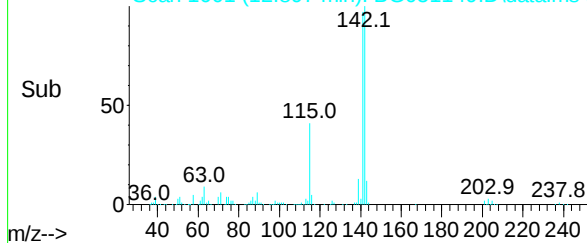
142 100

141 97.4 70.6 106.0

116 4.6 4.0 6.0



Abundance Scan 1601 (12.897 min): BG051149.D\data.ms (-1515) (-)



Abundance Scan 1932 (14.838 min): BG051122.D\data.ms (-1625) (-)

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.836 min Scan# 1625

Delta R.T. -0.002 min

Lab File: BG051149.D

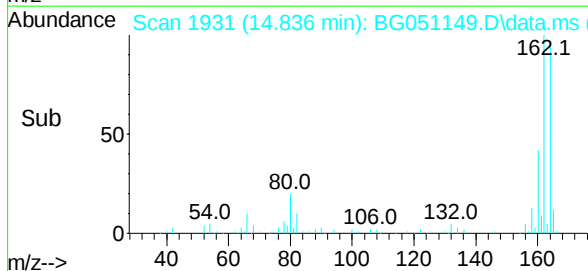
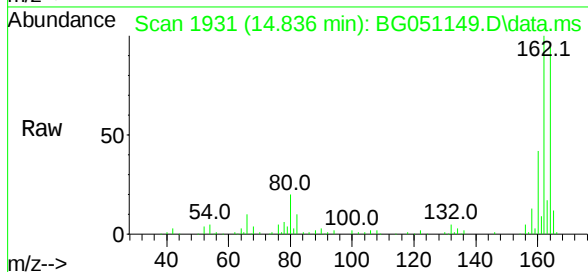
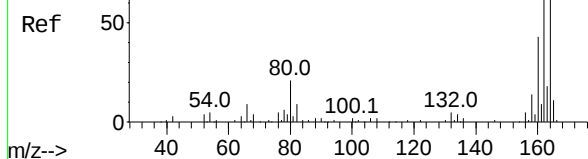
Acq: 20 Nov 2021 15:49

Instrument :

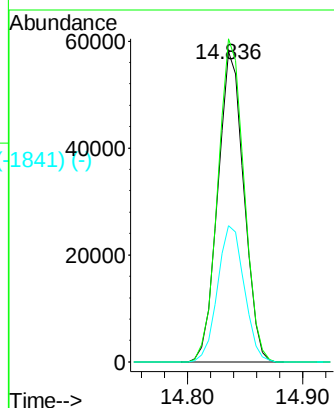
BNA_G

ClientSampleId :

PB140834BS



Tgt Ion:	164	Resp:	91311
Ion Ratio	Lower	Upper	
164	100		
162	104.0	81.4	122.0
160	43.9	34.9	52.3



Abundance Scan 1626 (13.041 min): BG051122.D\data.ms (-1640) (-)

1,2,4,5-Tetrachlorobenzene

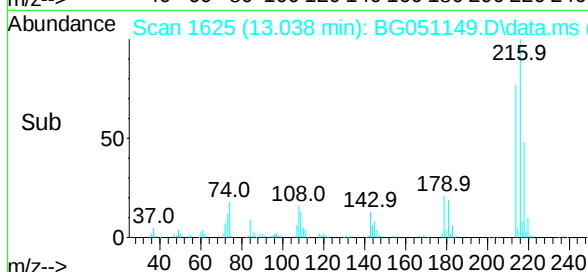
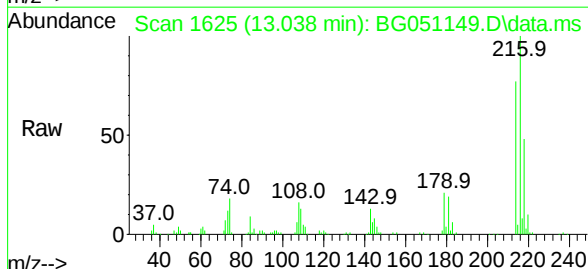
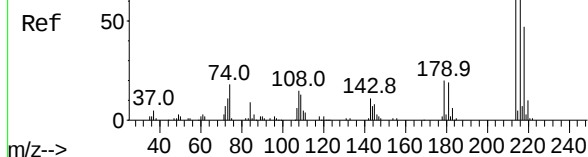
Concen: 40.71 ng

RT: 13.038 min Scan# 1625

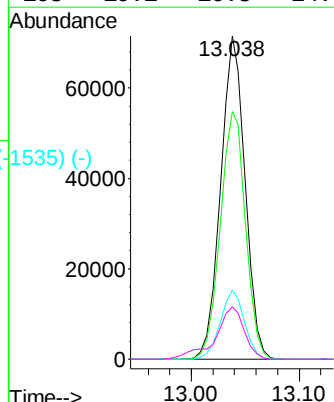
Delta R.T. -0.003 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49



Tgt Ion:	216	Resp:	112965
Ion Ratio	Lower	Upper	
216	100		
214	79.0	61.4	92.2
179	21.0	17.3	25.9
108	19.1	16.3	24.5



Abundance Scan 1621 (13.011 min): BG051122.D\data.ms (-1614) (-)

Hexachlorocyclopentadiene

Concen: 113.58 ng

RT: 13.008 min Scan# 1614

Delta R.T. -0.003 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49

Instrument :

BNA_G

ClientSampleId :

PB140834BS

Tgt Ion:237 Resp: 91273

Ion Ratio Lower Upper

237 100

235 64.0 36.6 76.6

272 12.0 0.0 32.5

Abundance Scan 1620 (13.008 min): BG051149.D\data.ms

Ref

60.0 95.0 129.9 166.9 202.8 236.9 271.8

m/z-->

Raw

60.0 95.0 129.9 166.9 202.8 236.9 271.8

m/z-->

Abundance Scan 1620 (13.008 min): BG051149.D\data.ms (-1530) (-)

Sub

60.0 95.0 129.9 166.9 202.8 236.9 271.8

m/z-->

Abundance

13.008

50000

40000

30000

20000

10000

0

Time-->

Abundance Scan 2186 (16.331 min): BG051122.D\data.ms (-2179) (-)

2,4,6-Tribromophenol

Concen: 121.29 ng

RT: 16.328 min Scan# 2185

Delta R.T. -0.003 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49

Tgt Ion:330 Resp: 117713

Ion Ratio Lower Upper

330 100

332 96.7 77.3 115.9

141 45.0 35.6 53.4

Abundance Scan 2185 (16.328 min): BG051149.D\data.ms

Ref

62.0 102.9 140.9 221.9 329.8

m/z-->

Raw

62.0 102.9 140.9 221.9 329.8

m/z-->

Abundance Scan 2185 (16.328 min): BG051149.D\data.ms (-2095) (-)

Sub

62.0 102.9 140.9 221.9 329.8

m/z-->

Abundance

16.328

60000

40000

20000

0

Time-->

Abundance Scan 1667 (13.281 min): BG051122.D\data.ms (-1659) (-)

2,4,6-Trichlorophenol

Concen: 41.98 ng

RT: 13.279 min Scan#

Delta R.T. -0.003 min

Lab File: BG051149.D

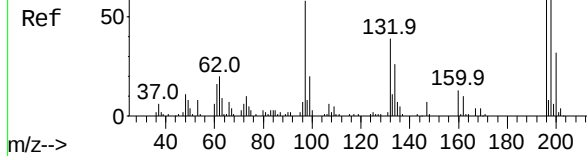
Acq: 20 Nov 2021 15:49

Instrument :

BNA_G

ClientSampleId :

PB140834BS



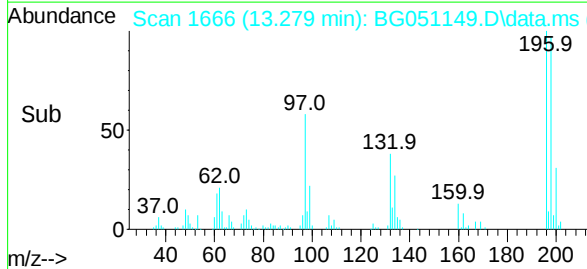
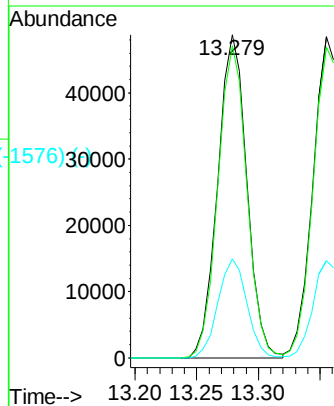
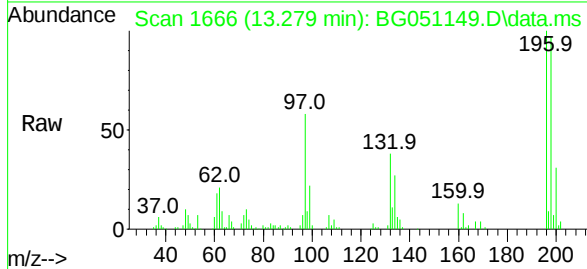
Tgt Ion:196 Resp: 80327

Ion Ratio Lower Upper

196 100

198 96.6 82.1 123.1

200 30.8 23.8 35.8



Abundance Scan 1680 (13.358 min): BG051122.D\data.ms (-1674) (-)

2,4,5-Trichlorophenol

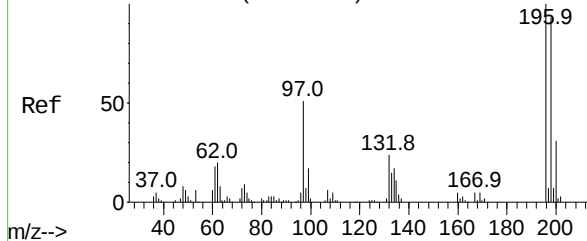
Concen: 40.96 ng

RT: 13.355 min Scan# 1679

Delta R.T. -0.003 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49



Tgt Ion:196 Resp: 84706

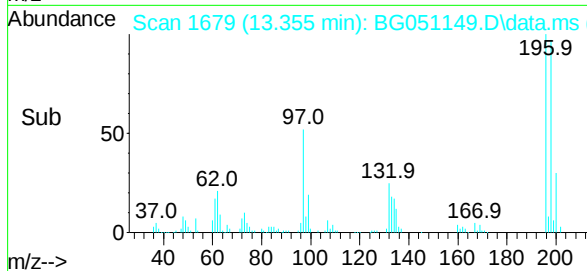
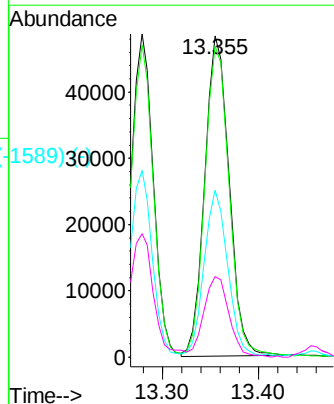
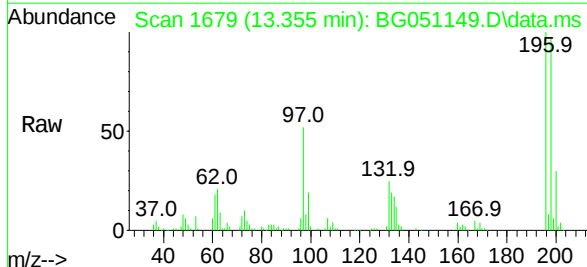
Ion Ratio Lower Upper

196 100

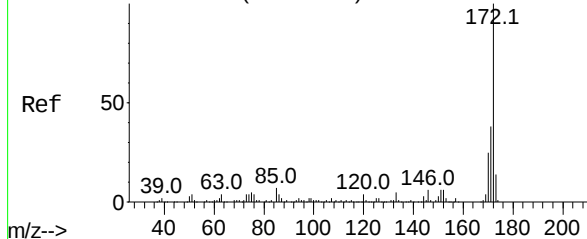
198 96.8 87.4 131.0

97 52.0 43.3 64.9

132 25.1 21.4 32.2



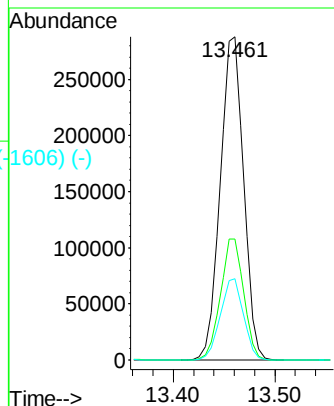
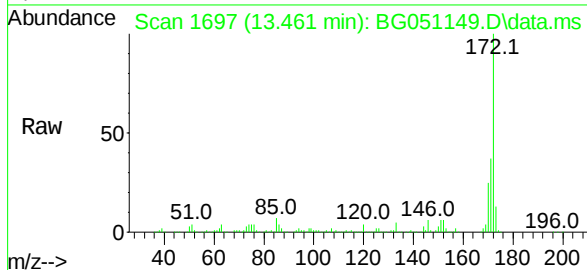
Abundance Scan 1697 (13.458 min): BG051122.D\data.ms (-1695) (-)



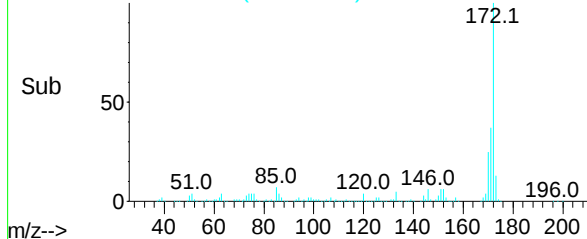
2-Fluorobiphenyl
Concen: 76.39 ng
RT: 13.461 min Scan# 1697
Delta R.T. 0.003 min
Lab File: BG051149.D
Acq: 20 Nov 2021 15:49

Instrument :
BNA_G
ClientSampleId :
PB140834BS

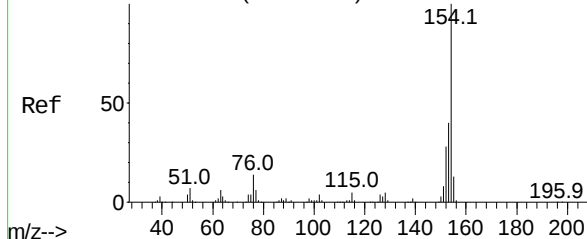
Tgt Ion:	172	Resp:	462226
Ion	Ratio	Lower	Upper
172	100		
171	37.4	28.6	43.0
170	25.1	18.6	27.8



Abundance Scan 1697 (13.461 min): BG051149.D\data.ms (-1606) (-)

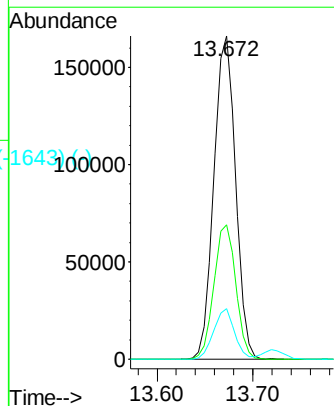
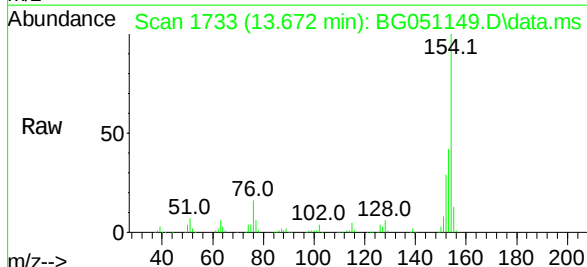


Abundance Scan 1734 (13.675 min): BG051122.D\data.ms (-1726) (-)

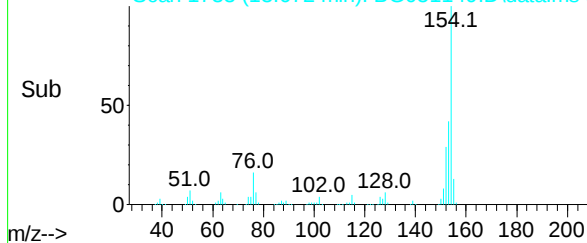


1,1'-Biphenyl
Concen: 39.60 ng
RT: 13.672 min Scan# 1733
Delta R.T. -0.003 min
Lab File: BG051149.D
Acq: 20 Nov 2021 15:49

Tgt Ion:	154	Resp:	259905
Ion	Ratio	Lower	Upper
154	100		
153	41.6	20.5	60.5
76	15.5	0.0	29.3



Abundance Scan 1733 (13.672 min): BG051149.D\data.ms (-1643) (-)



Abundance Scan 1742 (13.722 min): BG051122.D\data.ms (-1747) (-)

2-Chloronaphthalene

Concen: 40.70 ng

RT: 13.719 min Scan# 1741

Delta R.T. -0.003 min

Lab File: BG051149.D

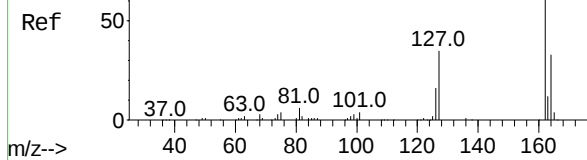
Acq: 20 Nov 2021 15:49

Instrument :

BNA_G

ClientSampleId :

PB140834BS



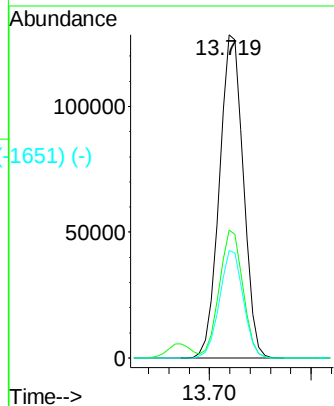
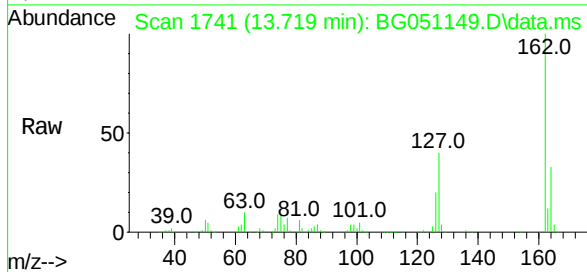
Tgt Ion:162 Resp: 211471

Ion Ratio Lower Upper

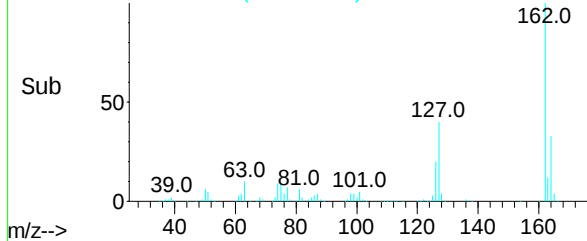
162 100

127 39.6 32.7 49.1

164 33.2 27.0 40.4



Abundance Scan 1741 (13.719 min): BG051149.D\data.ms (-1651) (-)



Abundance Scan 1777 (13.928 min): BG051122.D\data.ms (-1749) (-)

2-Nitroaniline

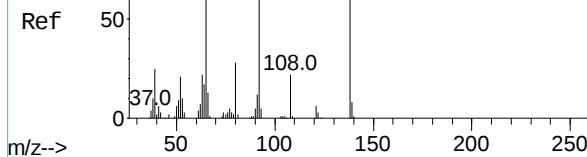
Concen: 42.13 ng

RT: 13.925 min Scan# 1776

Delta R.T. -0.003 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49



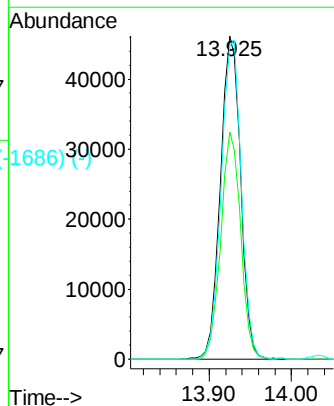
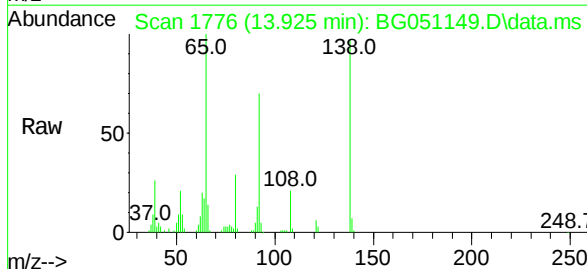
Tgt Ion: 65 Resp: 79120

Ion Ratio Lower Upper

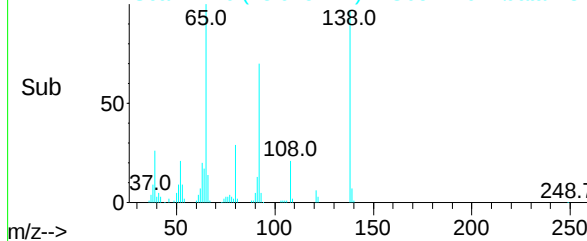
65 100

92 70.4 47.2 70.8

138 97.1 68.0 102.0



Abundance Scan 1776 (13.925 min): BG051149.D\data.ms (-1686) (-)



Abundance Scan 1885 (14.562 min): BG051122.D\data.ms (-1749) (-)

Acenaphthylene

Concen: 41.12 ng

RT: 14.565 min Scan# 1885

Delta R.T. 0.003 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49

Instrument :

BNA_G

ClientSampleId :

PB140834BS

Tgt Ion:152 Resp: 340648

Ion Ratio Lower Upper

152 100

151 21.2 18.2 27.4

153 13.2 11.7 17.5

Abundance Scan 1885 (14.565 min): BG051149.D\data.ms

Ref 50

152.0

Raw 50

50.0 76.0 98.0 126.0

m/z-->

Abundance Scan 1885 (14.565 min): BG051149.D\data.ms (-1794) (-)

Sub 50

152.0

50.0 76.0 98.0 126.0

m/z-->

Abundance

200000

150000

100000

50000

0

Time-->

14.50 14.60

Abundance Scan 1837 (14.280 min): BG051122.D\data.ms (-1829) (-)

Dimethylphthalate

Concen: 40.91 ng

RT: 14.283 min Scan# 1837

Delta R.T. 0.003 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49

Tgt Ion:163 Resp: 287802

Ion Ratio Lower Upper

163 100

194 3.7 3.0 4.6

164 10.4 8.6 12.8

Abundance Scan 1837 (14.283 min): BG051149.D\data.ms

Ref 50

163.0

Raw 50

50.0 77.0 104.0 133.0 194.1

m/z-->

Abundance Scan 1837 (14.283 min): BG051149.D\data.ms (-1746) (-)

Sub 50

163.0

50.0 77.0 104.0 133.0 194.1

m/z-->

Abundance

150000

100000

50000

0

Time-->

14.20 14.30

Abundance Scan 1860 (14.415 min): BG051122.D\data.ms (-1752) (-)

2,6-Dinitrotoluene

Concen: 43.54 ng

RT: 14.413 min Scan# 1859

Delta R.T. -0.003 min

Lab File: BG051149.D

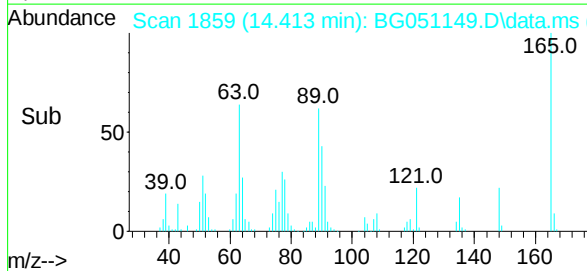
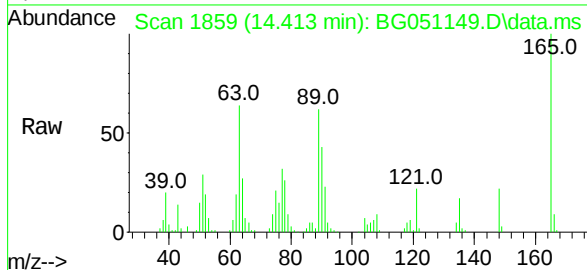
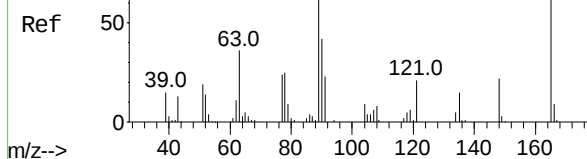
Acq: 20 Nov 2021 15:49

Instrument :

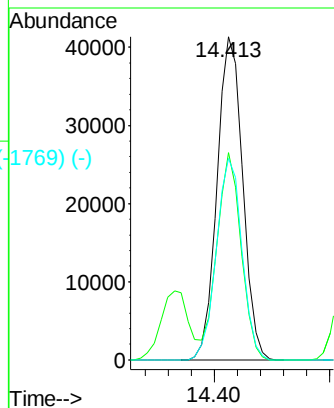
BNA_G

ClientSampleId :

PB140834BS



Tgt Ion:	165	Resp:	63980
Ion Ratio	Lower	Upper	
165	100		
63	64.2	63.3	94.9
89	62.3	63.4	95.0#



Abundance Scan 1943 (14.903 min): BG051122.D\data.ms (-1752) (-)

Acenaphthene

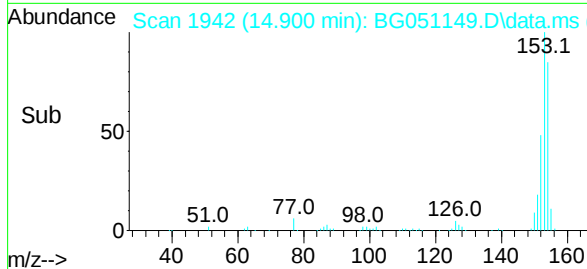
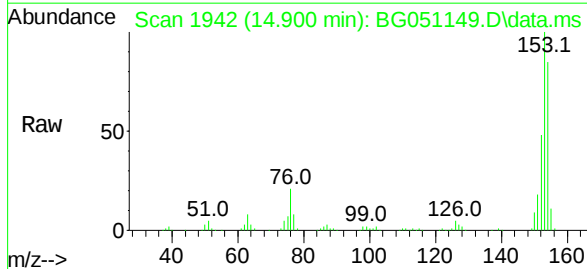
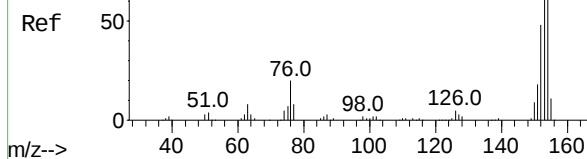
Concen: 41.27 ng

RT: 14.900 min Scan# 1942

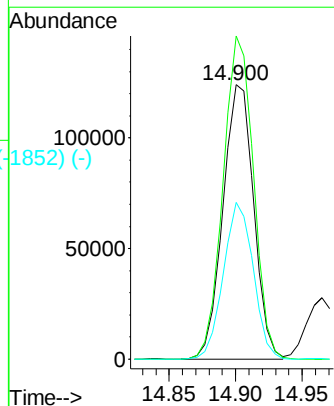
Delta R.T. -0.003 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49



Tgt Ion:	154	Resp:	199570
Ion Ratio	Lower	Upper	
154	100		
153	117.6	87.0	130.4
152	57.0	40.1	60.1



Abundance Scan 1917 (14.750 min): BG051122.D\data.ms (-1953) (-)

3-Nitroaniline

Concen: 39.08 ng

RT: 14.747 min Scan# 1917

Delta R.T. -0.003 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49

Instrument :

BNA_G

ClientSampleId :

PB140834BS

Tgt Ion:138 Resp: 64326

Ion Ratio Lower Upper

138 100

108 10.3 8.3 12.5

92 125.8 96.4 144.6

Abundance Scan 1916 (14.747 min): BG051149.D\data.ms

Ref

50

39.0 65.0 92.0 108.0 138.0

m/z-->

Abundance Scan 1916 (14.747 min): BG051149.D\data.ms

Raw

50

39.0 65.0 92.0 108.0 138.0

m/z-->

Abundance Scan 1916 (14.747 min): BG051149.D\data.ms (-1826) (-)

Sub

50

39.0 65.0 92.0 108.0 138.0

m/z-->

Abundance

40000

14.747

30000

20000

10000

0

Time-->

14.70 14.80

Abundance Scan 1953 (14.962 min): BG051122.D\data.ms (-1954) (-)

2,4-Dinitrophenol

Concen: 88.99 ng

RT: 14.965 min Scan# 1953

Delta R.T. 0.003 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49

Tgt Ion:184 Resp: 72845

Ion Ratio Lower Upper

184 100

63 67.0 68.3 102.5#

154 63.8 62.6 93.8

Abundance Scan 1953 (14.965 min): BG051149.D\data.ms

Ref

50

38.0 63.0 91.0 107.0 120.0 154.0 184.0

m/z-->

Abundance Scan 1953 (14.965 min): BG051149.D\data.ms

Raw

50

38.0 63.0 107.0 154.0 184.0

m/z-->

Abundance Scan 1953 (14.965 min): BG051149.D\data.ms (-1862) (-)

Sub

50

38.0 63.0 107.0 154.0 184.0

m/z-->

Abundance

100000

50000

14.965

0

Time-->

14.90 15.00

Abundance Scan 2000 (15.238 min): BG051122.D\data.ms (-1955) (-)

Dibenzofuran

Concen: 39.28 ng

RT: 15.235 min Scan# 1999

Delta R.T. -0.003 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49

Instrument :

BNA_G

ClientSampleId :

PB140834BS

Tgt Ion:168 Resp: 329890

Ion Ratio Lower Upper

168 100

139 40.4 33.4 50.2

169 13.7 12.3 18.5

Abundance Scan 1999 (15.235 min): BG051149.D\data.ms

Ref 50

168.0

139.0

38.0 63.0 84.0 113.0

m/z-->

Abundance Scan 1999 (15.235 min): BG051149.D\data.ms (-1909) (-)

Raw 50

168.0

139.0

39.0 63.0 84.0 113.0

m/z-->

Abundance Scan 1999 (15.235 min): BG051149.D\data.ms (-1909) (-)

Sub 50

168.0

139.0

39.0 63.0 84.0 113.0

m/z-->

Abundance

200000

15.235

150000

100000

50000

0

Time-->

15.20 15.30

Abundance Scan 1970 (15.062 min): BG051122.D\data.ms (-1955) (-)

4-Nitrophenol

Concen: 90.56 ng

RT: 15.065 min Scan# 1970

Delta R.T. 0.003 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49

Tgt Ion:139 Resp: 104853

Ion Ratio Lower Upper

139 100

109 87.1 116.3 156.3#

65 108.7 105.0 145.0

Abundance Scan 1970 (15.065 min): BG051149.D\data.ms

Ref 50

139.0

109.0

65.0

39.0

87.0

184.0

m/z-->

Abundance Scan 1970 (15.065 min): BG051149.D\data.ms (-1879) (-)

Raw 50

139.0

109.0

65.0

39.0

184.0

m/z-->

Abundance

80000

60000

40000

20000

0

Time-->

15.00 15.10 15.20

Abundance Scan 1994 (15.203 min): BG051122.D\data.ms (-1957) (-)

2,4-Dinitrotoluene

Concen: 43.15 ng

RT: 15.206 min Scan# 1994

Delta R.T. 0.003 min

Lab File: BG051149.D

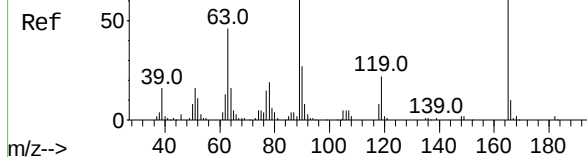
Acq: 20 Nov 2021 15:49

Instrument :

BNA_G

ClientSampleId :

PB140834BS



Tgt Ion:165 Resp: 90818

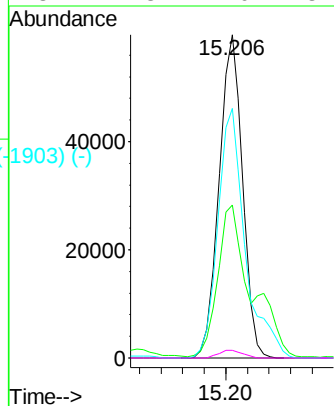
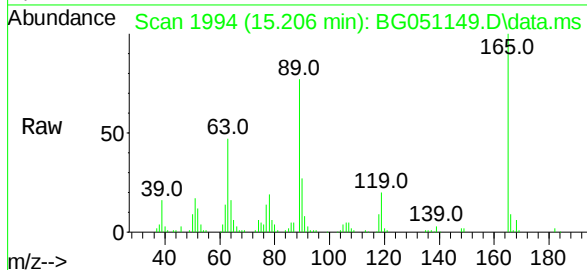
Ion Ratio Lower Upper

165 100

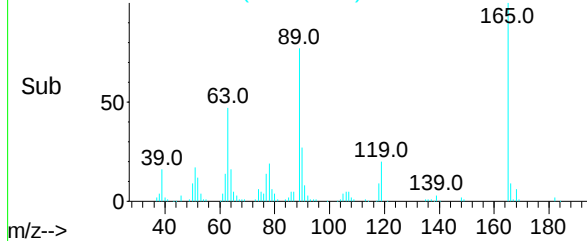
63 47.4 48.0 72.0#

89 77.2 65.4 98.0

182 2.3 2.0 3.0



Abundance Scan 1994 (15.206 min): BG051149.D\data.ms (-1903) (-)



Abundance Scan 2110 (15.884 min): BG051122.D\data.ms (-2152) (-)

Fluorene

Concen: 40.99 ng

RT: 15.881 min Scan# 2109

Delta R.T. -0.003 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49

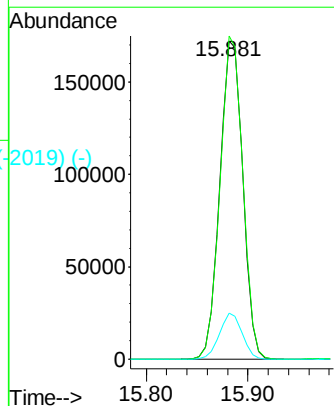
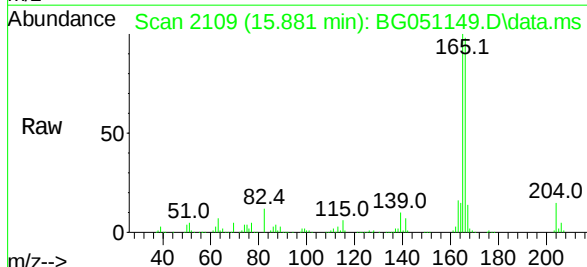
Tgt Ion:166 Resp: 270280

Ion Ratio Lower Upper

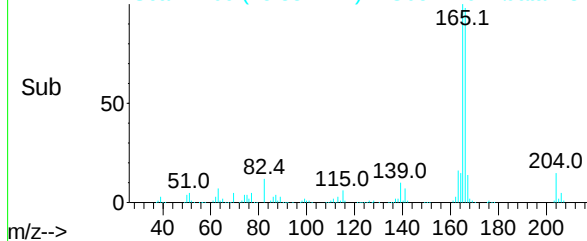
166 100

165 101.6 77.7 116.5

167 14.5 10.8 16.2



Abundance Scan 2109 (15.881 min): BG051149.D\data.ms (-2019) (-)



Abundance Scan 2038 (15.461 min): BG051122.D\data.ms (-2059) (-)

2,3,4,6-Tetrachlorophenol

Concen: 40.96 ng

RT: 15.464 min Scan# 1

Delta R.T. 0.003 min

Lab File: BG051149.D

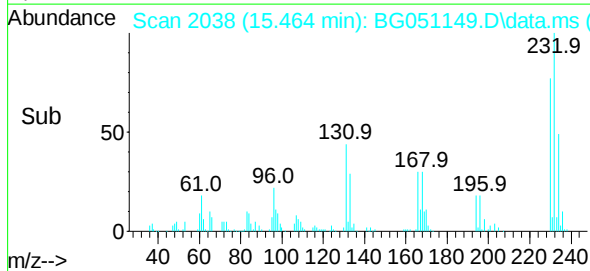
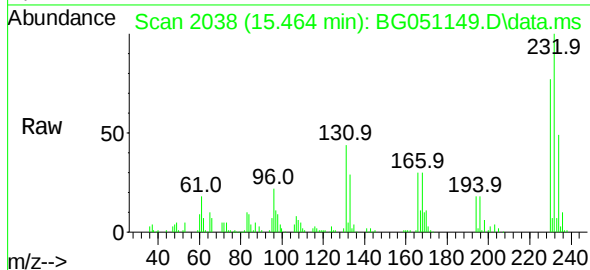
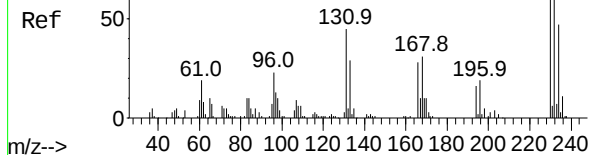
Acq: 20 Nov 2021 15:49

Instrument :

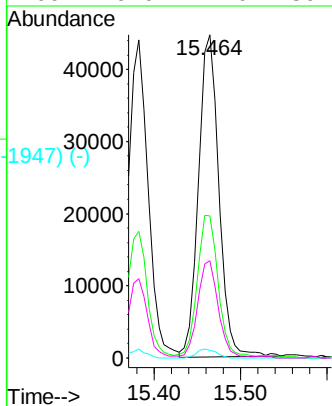
BNA_G

ClientSampleId :

PB140834BS



Tgt Ion:	232	Resp:	72717
Ion	Ratio	Lower	Upper
232	100		
131	44.6	37.2	55.8
130	2.7	2.8	4.2#
166	29.6	24.0	36.0



Abundance Scan 2067 (15.632 min): BG051122.D\data.ms (-2060) (-)

Diethylphthalate

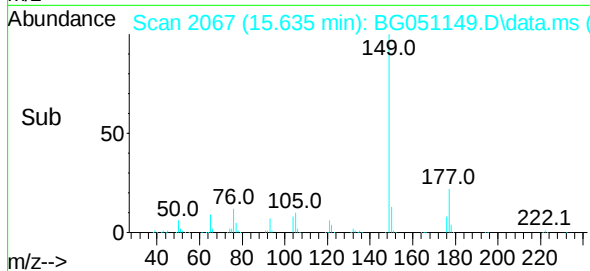
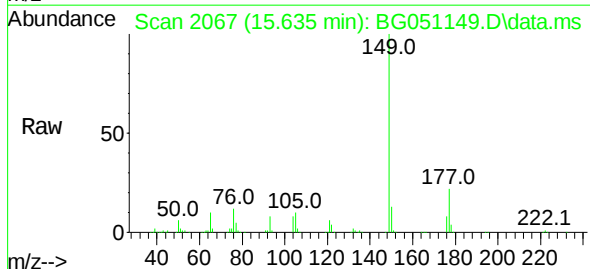
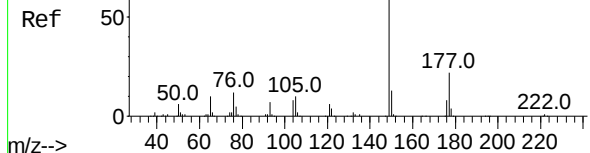
Concen: 40.54 ng

RT: 15.635 min Scan# 2067

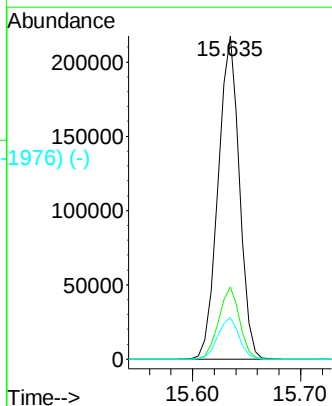
Delta R.T. 0.003 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49



Tgt Ion:	149	Resp:	300780
Ion	Ratio	Lower	Upper
149	100		
177	22.4	19.0	28.6
150	12.9	10.2	15.4



Abundance Scan 2107 (15.867 min): BG051122.D\data.ms (-2160) (-)

4-Chlorophenyl-phenylether

Concen: 40.77 ng

RT: 15.864 min Scan# 2107

Delta R.T. -0.003 min

Lab File: BG051149.D

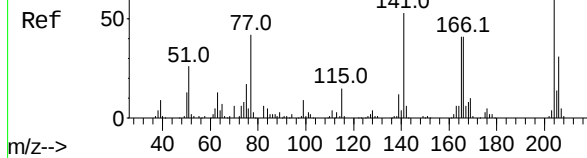
Acq: 20 Nov 2021 15:49

Instrument :

BNA_G

ClientSampleId :

PB140834BS



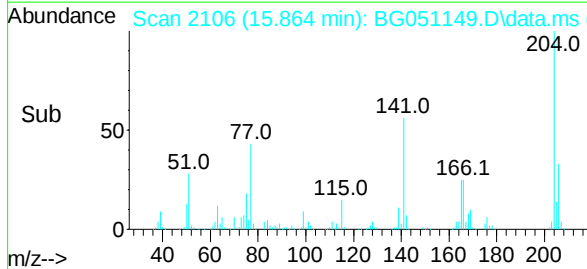
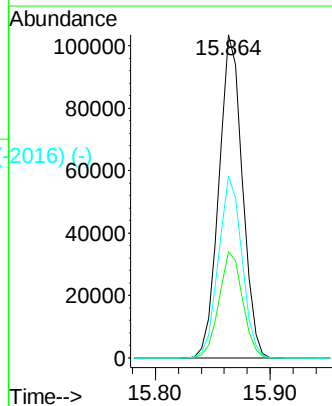
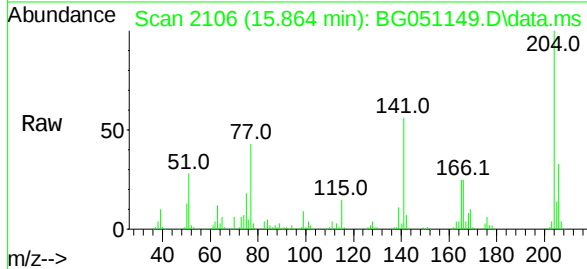
Tgt Ion:204 Resp: 146939

Ion Ratio Lower Upper

204 100

206 32.9 24.6 37.0

141 56.3 47.8 71.8



Abundance Scan 2115 (15.914 min): BG051122.D\data.ms (-2162) (-)

4-Nitroaniline

Concen: 40.27 ng

RT: 15.917 min Scan# 2115

Delta R.T. 0.003 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49

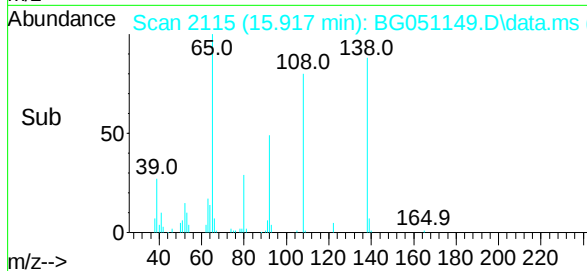
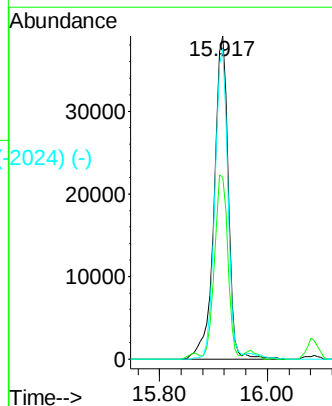
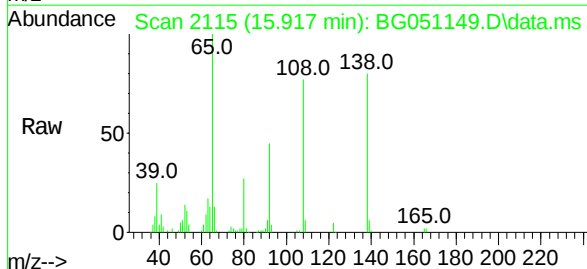
Tgt Ion:138 Resp: 70885

Ion Ratio Lower Upper

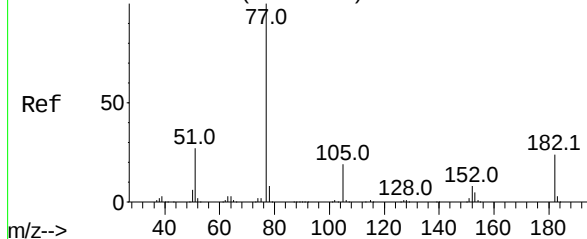
138 100

92 56.2 32.3 72.3

108 96.0 132.4 172.4#



Abundance Scan 2157 (16.160 min): BG051122.D\data.ms (-2157) (-)



Azobenzene

Concen: 40.86 ng

RT: 16.163 min Scan# 2157

Delta R.T. 0.003 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49

Instrument :

BNA_G

ClientSampleId :

PB140834BS

Tgt Ion: 77 Resp: 303586

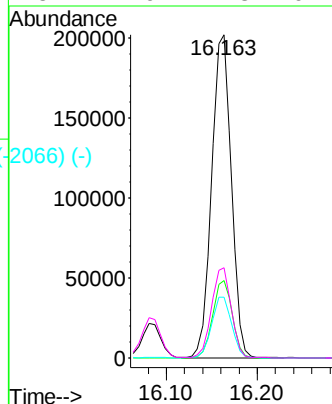
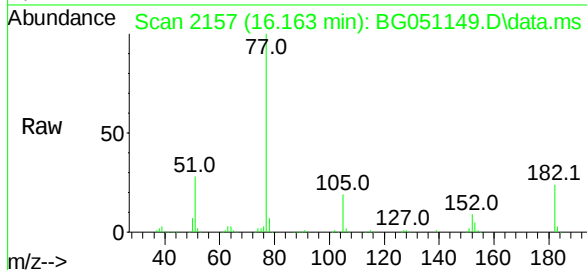
Ion Ratio Lower Upper

77 100

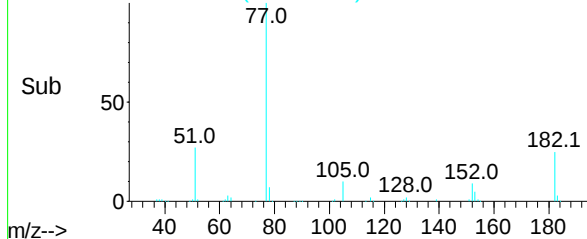
182 23.9 7.9 47.9

105 18.8 0.0 37.9

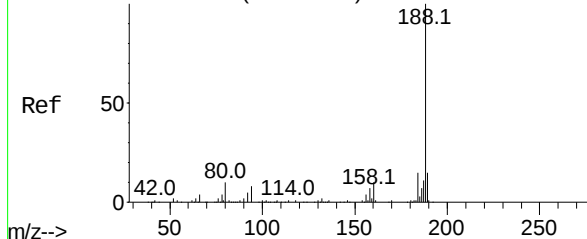
51 27.9 27.3 67.3



Abundance Scan 2157 (16.163 min): BG051149.D\data.ms (-2066) (-)



Abundance Scan 2400 (17.588 min): BG051122.D\data.ms (-2399) (-)



Phenanthrene-d10

Concen: 20.00 ng

RT: 17.585 min Scan# 2399

Delta R.T. -0.003 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49

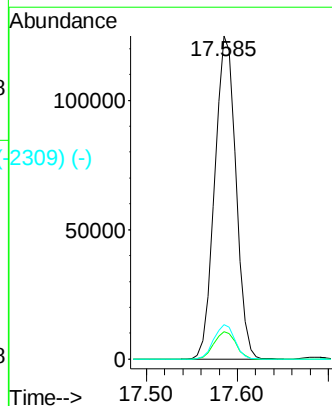
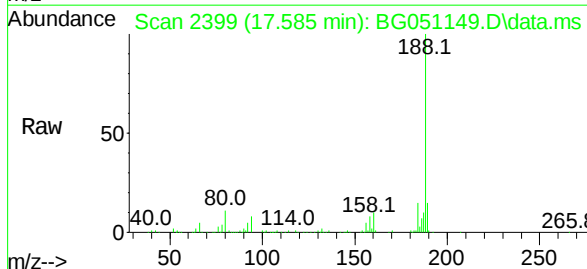
Tgt Ion: 188 Resp: 202139

Ion Ratio Lower Upper

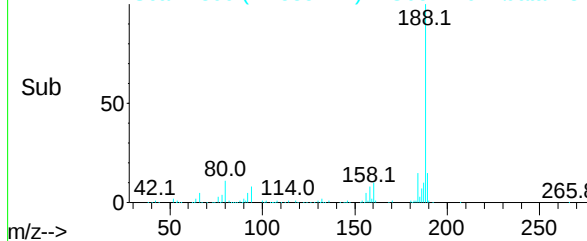
188 100

94 8.4 5.4 8.0#

80 10.6 3.7 5.5#



Abundance Scan 2399 (17.585 min): BG051149.D\data.ms (-2309) (-)



Abundance Scan 2124 (15.967 min): BG051122.D\data.ms (-2165) (-)

4,6-Dinitro-2-methylphenol

Concen: 42.90 ng

RT: 15.970 min Scan# 2124

Delta R.T. 0.003 min

Lab File: BG051149.D

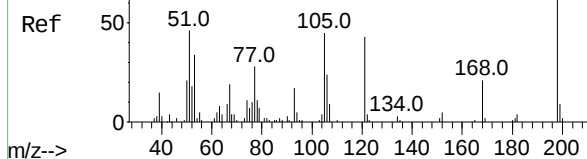
Acq: 20 Nov 2021 15:49

Instrument :

BNA_G

ClientSampleId :

PB140834BS



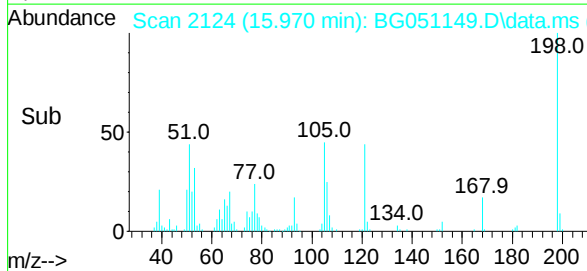
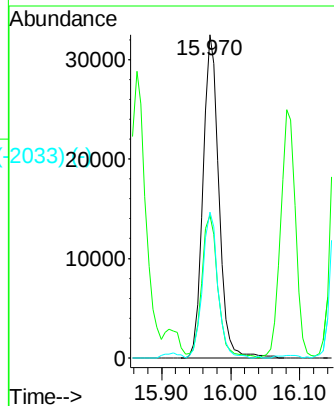
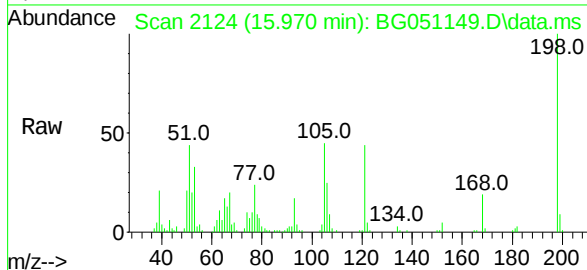
Tgt Ion:198 Resp: 51783

Ion Ratio Lower Upper

198 100

51 44.1 29.4 69.4

105 45.2 15.1 55.1



Abundance Scan 2144 (16.084 min): BG051122.D\data.ms (-2166) (-)

n-Nitrosodiphenylamine

Concen: 42.50 ng

RT: 16.087 min Scan# 2144

Delta R.T. 0.003 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49

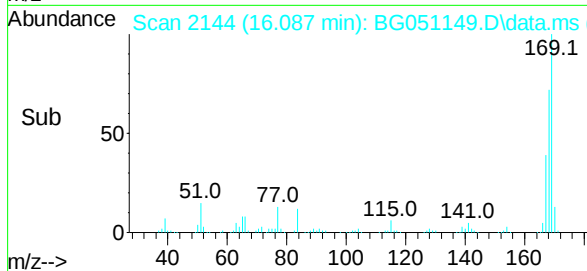
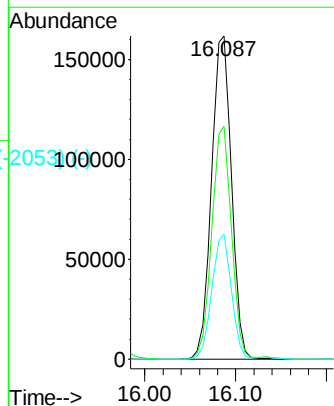
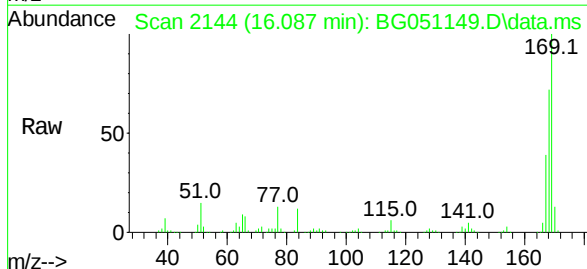
Tgt Ion:169 Resp: 246543

Ion Ratio Lower Upper

169 100

168 72.1 56.3 84.5

167 38.5 28.4 42.6



Abundance Scan 2259 (16.760 min): BG051122.D\data.ms (-2259) (-)

4-Bromophenyl-phenylether

Concen: 42.50 ng

RT: 16.763 min Scan# 2168

Delta R.T. 0.003 min

Lab File: BG051149.D

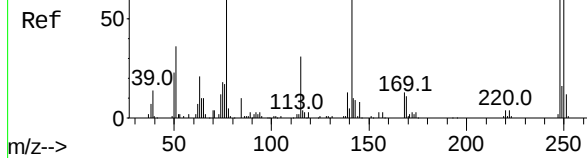
Acq: 20 Nov 2021 15:49

Instrument :

BNA_G

ClientSampleId :

PB140834BS



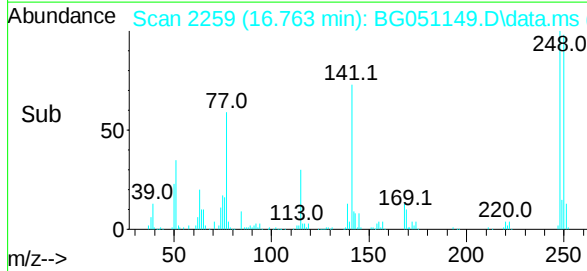
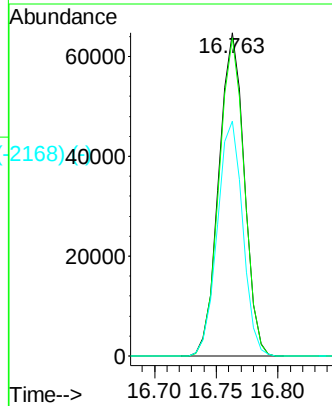
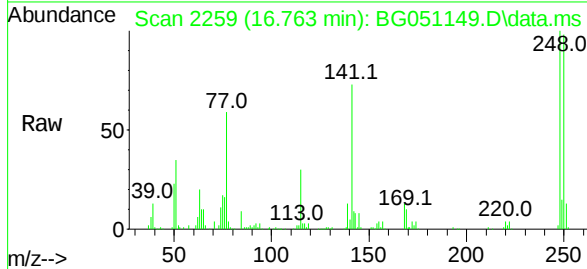
Tgt Ion:248 Resp: 92926

Ion Ratio Lower Upper

248 100

250 98.4 76.1 114.1

141 72.6 65.4 98.2



Abundance Scan 2281 (16.889 min): BG051122.D\data.ms (-2281) (-)

Hexachlorobenzene

Concen: 43.00 ng

RT: 16.886 min Scan# 2280

Delta R.T. -0.003 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49

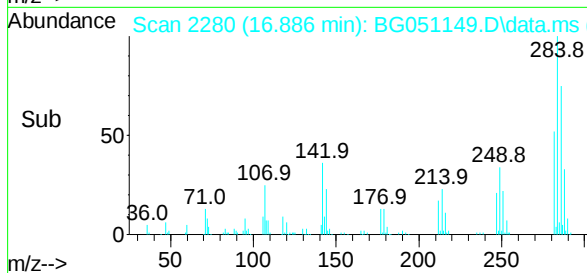
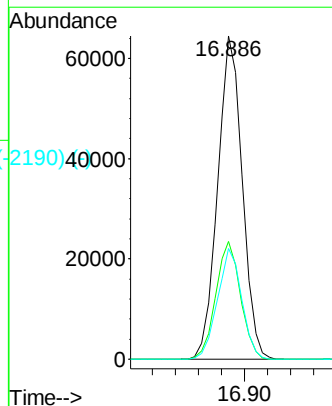
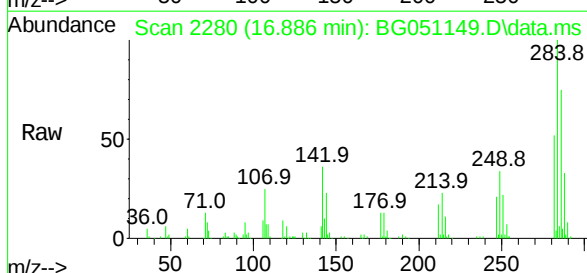
Tgt Ion:284 Resp: 95545

Ion Ratio Lower Upper

284 100

142 36.3 27.0 40.6

249 34.3 28.2 42.2



Abundance Scan 2304 (17.024 min): BG051122.D\data.ms (-2259) (-)

Atrazine

Concen: 66.32 ng

RT: 17.027 min Scan# 2304

Delta R.T. 0.003 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49

Instrument :

BNA_G

ClientSampleId :

PB140834BS

Tgt Ion:200 Resp: 102304

Ion Ratio Lower Upper

200 100

173 24.9 3.7 43.7

215 48.8 26.9 66.9

Abundance Scan 2304 (17.027 min): BG051149.D\data.ms

200.1

58.1

92.6

132.0

173.0

m/z-->

Ref

50

0

40 60 80 100 120 140 160 180 200 220

Abundance Scan 2304 (17.027 min): BG051149.D\data.ms (-2213) (-)

200.1

58.1

92.6

132.0

173.0

m/z-->

Sub

50

0

40 60 80 100 120 140 160 180 200 220

Abundance

17.027

60000

40000

20000

0

17.00

Time-->

Abundance Scan 2340 (17.236 min): BG051122.D\data.ms (-2379) (-)

Pentachlorophenol

Concen: 99.57 ng

RT: 17.239 min Scan# 2340

Delta R.T. 0.003 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49

Tgt Ion:266 Resp: 100588

Ion Ratio Lower Upper

266 100

268 67.0 49.0 73.4

264 64.4 49.0 73.6

Abundance Scan 2340 (17.239 min): BG051149.D\data.ms

265.9

164.9

201.9

234.8

m/z-->

Ref

50

0

50 100 150 200 250

Abundance Scan 2340 (17.239 min): BG051149.D\data.ms (-2249) (-)

265.9

164.9

201.9

234.8

m/z-->

Sub

50

0

50 100 150 200 250

Abundance

17.239

40000

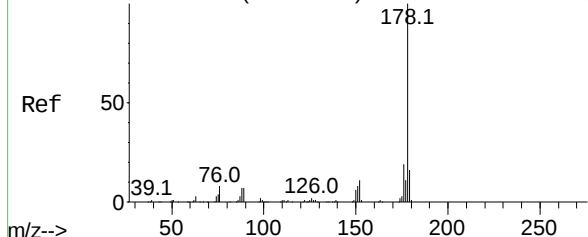
20000

0

17.20 17.40

Time-->

Abundance Scan 2407 (17.629 min): BG051122.D\data.ms (-2398) (-)



Phenanthrene

Concen: 42.34 ng

RT: 17.632 min Scan# 2407

Delta R.T. 0.003 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49

Instrument :

BNA_G

ClientSampleId :

PB140834BS

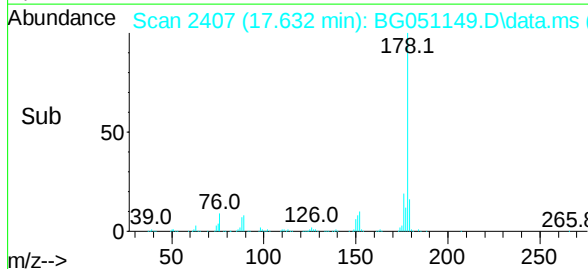
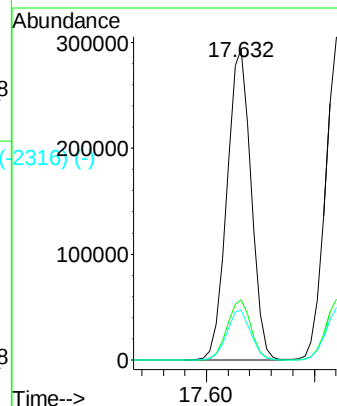
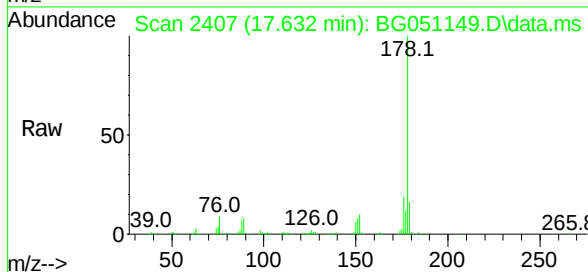
Tgt Ion:178 Resp: 460019

Ion Ratio Lower Upper

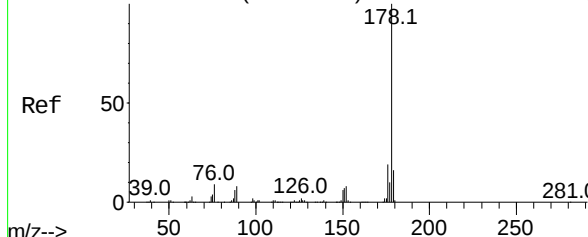
178 100

176 19.3 16.0 24.0

179 16.0 14.2 21.4



Abundance Scan 2423 (17.723 min): BG051122.D\data.ms (-2475) (-)



Anthracene

Concen: 43.49 ng

RT: 17.720 min Scan# 2422

Delta R.T. -0.003 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49

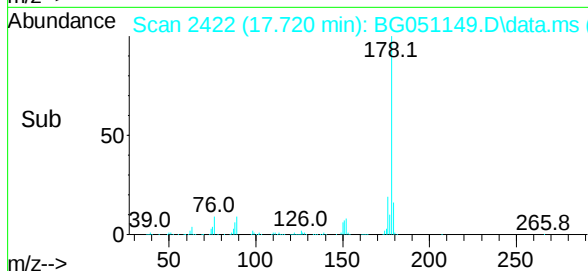
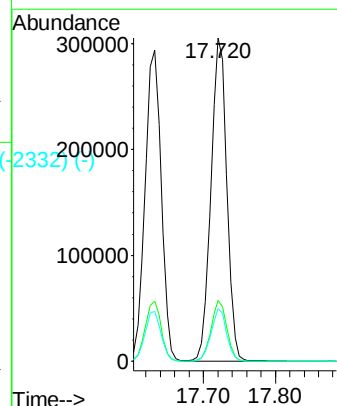
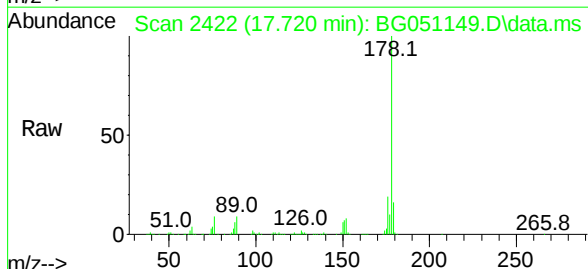
Tgt Ion:178 Resp: 468710

Ion Ratio Lower Upper

178 100

176 18.9 14.6 21.8

179 16.2 13.4 20.0



Abundance Scan 2469 (17.994 min): BG051122.D\data.ms (-2470) (-)

Carbazole

Concen: 40.03 ng

RT: 17.991 min Scan# 2469

Delta R.T. -0.003 min

Lab File: BG051149.D

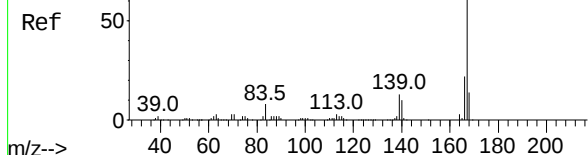
Acq: 20 Nov 2021 15:49

Instrument :

BNA_G

ClientSampleId :

PB140834BS



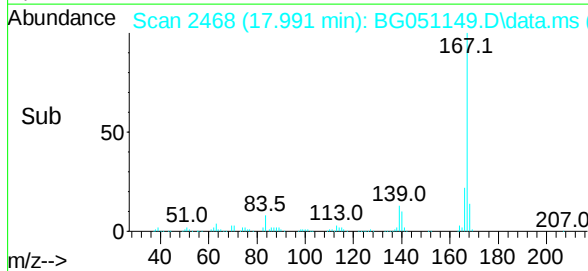
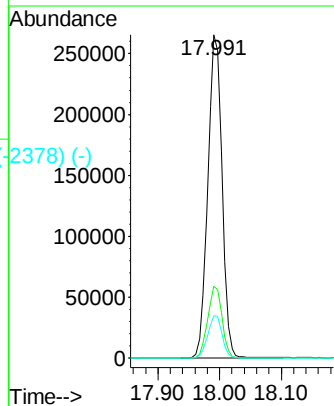
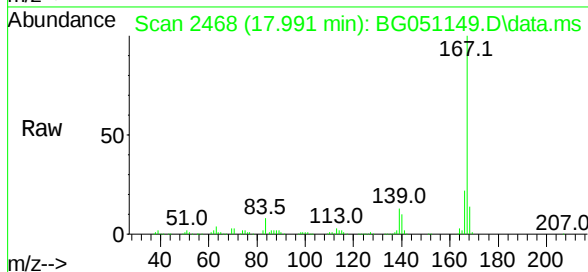
Tgt Ion:167 Resp: 424387

Ion Ratio Lower Upper

167 100

166 22.1 17.4 26.2

139 13.1 10.7 16.1



Abundance Scan 2558 (18.517 min): BG051122.D\data.ms (-2559) (-)

Di-n-butylphthalate

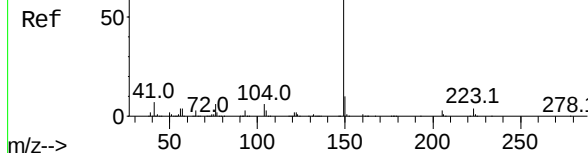
Concen: 41.28 ng

RT: 18.519 min Scan# 2558

Delta R.T. 0.003 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49



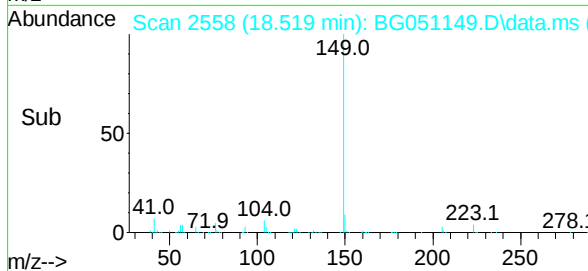
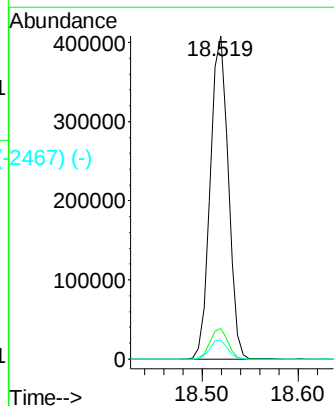
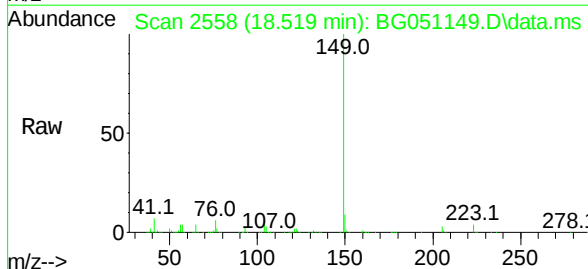
Tgt Ion:149 Resp: 529814

Ion Ratio Lower Upper

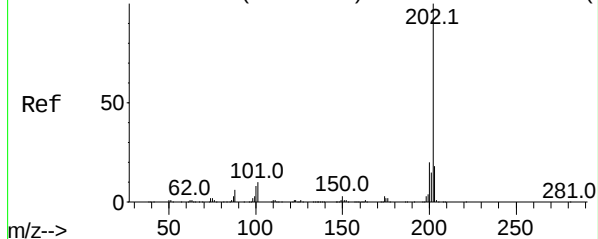
149 100

150 9.4 7.5 11.3

104 5.9 6.6 10.0#



Abundance Scan 2747 (19.627 min): BG051122.D\data.ms (-2775) (-)



Fluoranthene

Concen: 41.85 ng

RT: 19.630 min Scan# 2747

Delta R.T. 0.003 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49

Instrument :

BNA_G

ClientSampleId :

PB140834BS

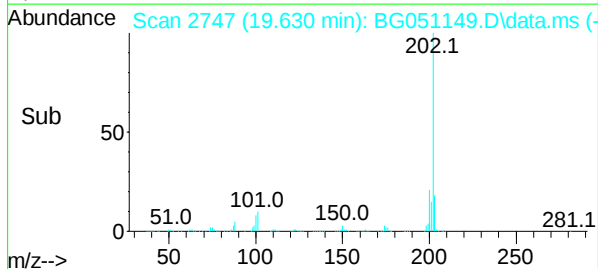
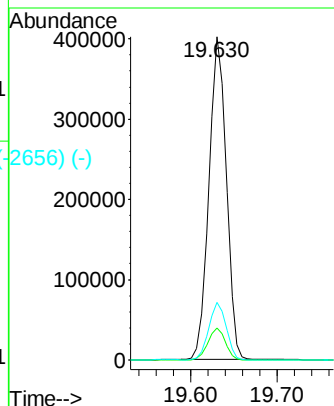
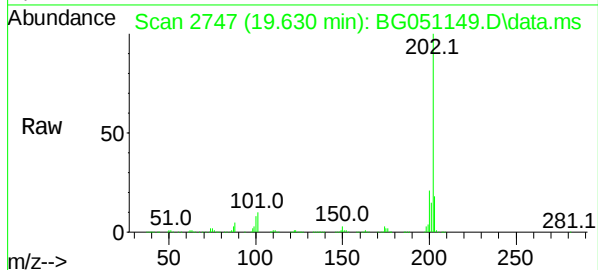
Tgt Ion:202 Resp: 560588

Ion Ratio Lower Upper

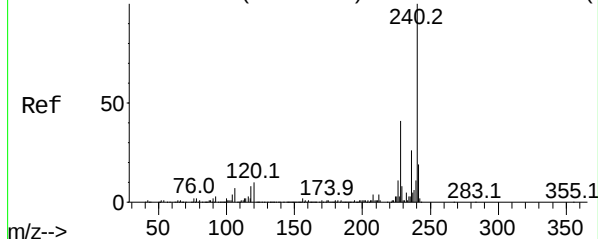
202 100

101 9.9 0.0 24.7

203 17.9 0.0 38.5



Abundance Scan 3131 (21.883 min): BG051122.D\data.ms (-3175) (-)



Chrysene-d12

Concen: 20.00 ng

RT: 21.892 min Scan# 3132

Delta R.T. 0.009 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49

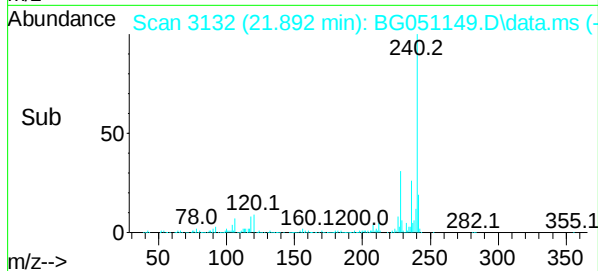
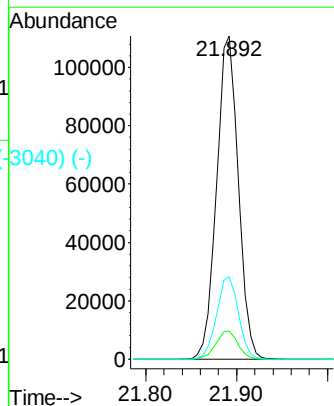
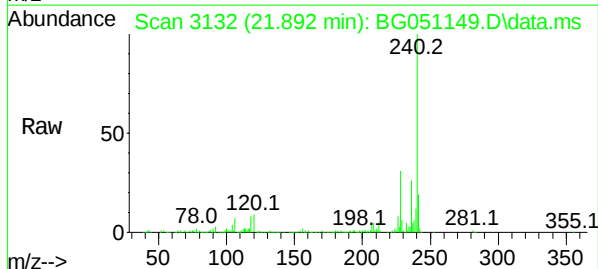
Tgt Ion:240 Resp: 183791

Ion Ratio Lower Upper

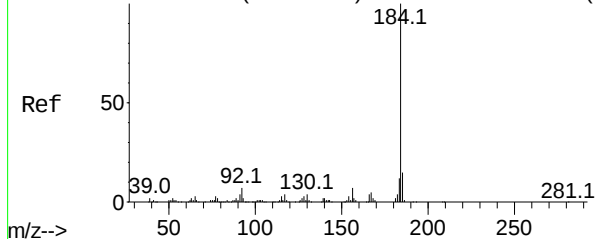
240 100

120 8.7 4.2 6.2#

236 25.5 21.8 32.6



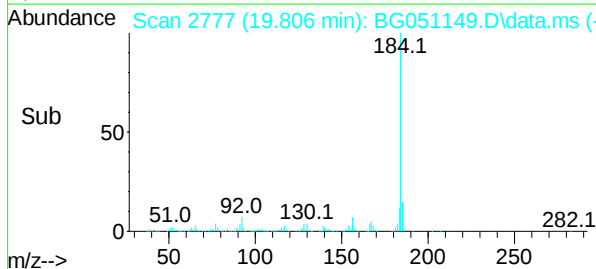
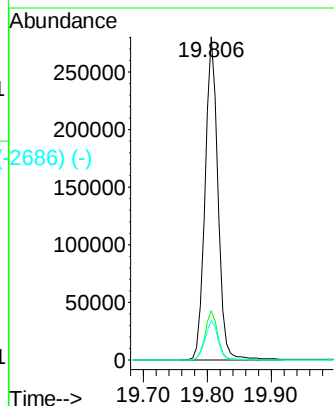
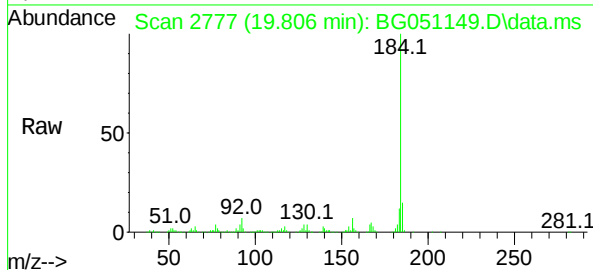
Abundance Scan 2777 (19.803 min): BG051122.D\data.ms (-2770) (-)



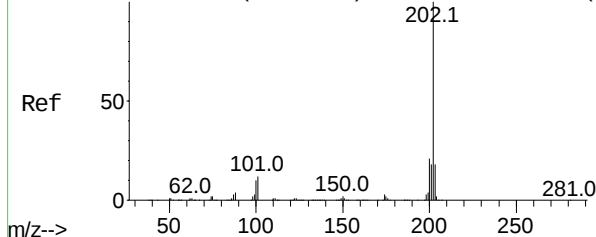
Benzidine
Concen: 130.28 ng
RT: 19.806 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG051149.D
Acq: 20 Nov 2021 15:49

Instrument :
BNA_G
ClientSampleId :
PB140834BS

Tgt Ion:184 Resp: 393160
Ion Ratio Lower Upper
184 100
185 15.2 10.7 16.1
183 12.2 9.4 14.0

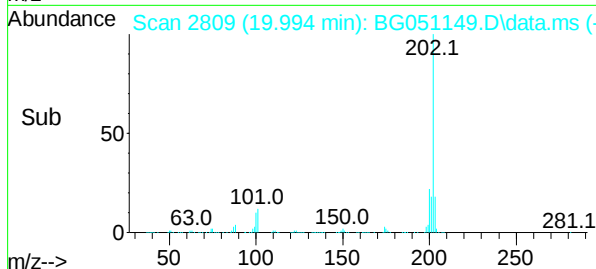
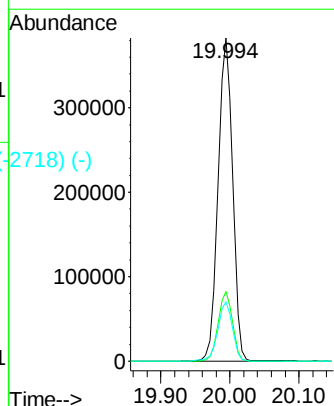
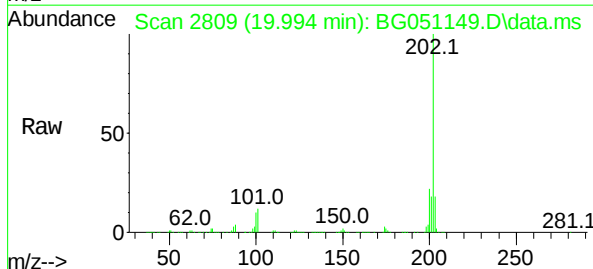


Abundance Scan 2809 (19.991 min): BG051122.D\data.ms (-2778) (-)



Pyrene
Concen: 42.00 ng
RT: 19.994 min Scan# 2809
Delta R.T. 0.003 min
Lab File: BG051149.D
Acq: 20 Nov 2021 15:49

Tgt Ion:202 Resp: 559815
Ion Ratio Lower Upper
202 100
200 21.7 15.8 23.8
203 18.3 14.6 21.8



Abundance Scan 2840 (20.173 min): BG051122.D\data.ms (-2639) (-)

Terphenyl-d14

Concen: 79.49 ng

RT: 20.176 min Scan# 2840

Delta R.T. 0.003 min

Lab File: BG051149.D

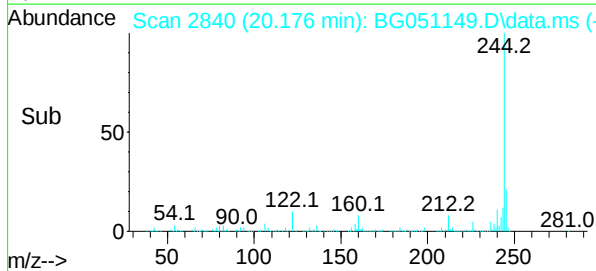
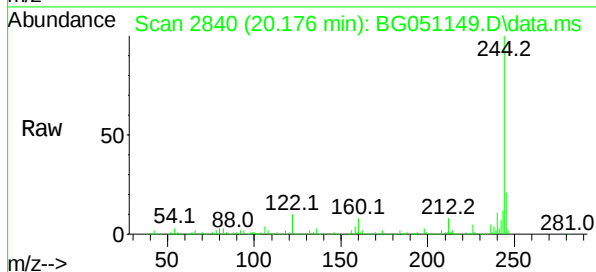
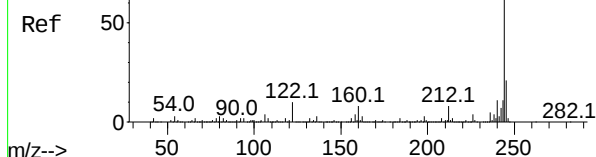
Acq: 20 Nov 2021 15:49

Instrument :

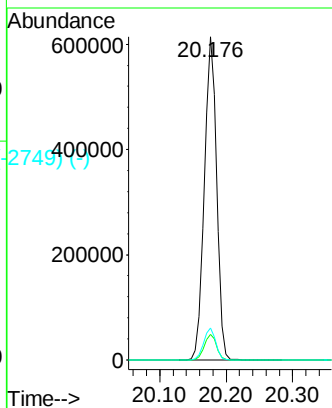
BNA_G

ClientSampleId :

PB140834BS



Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.9	10.3
122	9.8	5.0	7.6#



Abundance Scan 2955 (20.849 min): BG051122.D\data.ms (-2639) (-)

Butylbenzylphthalate

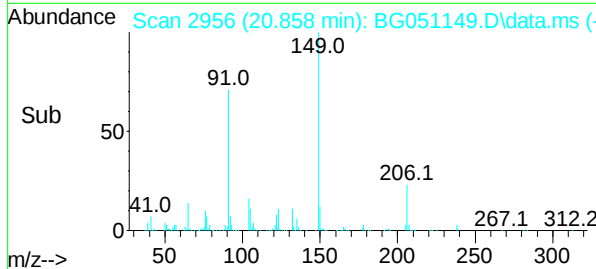
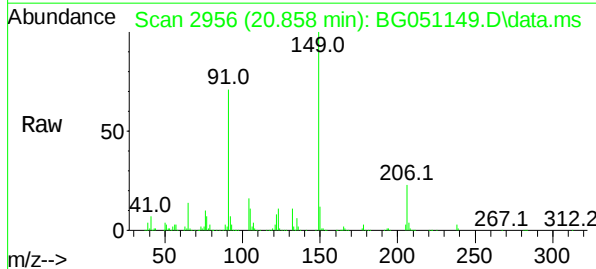
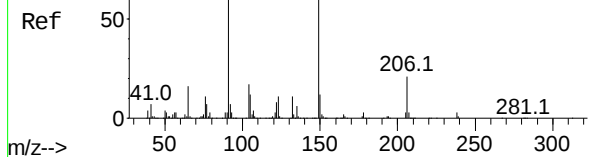
Concen: 41.50 ng

RT: 20.858 min Scan# 2956

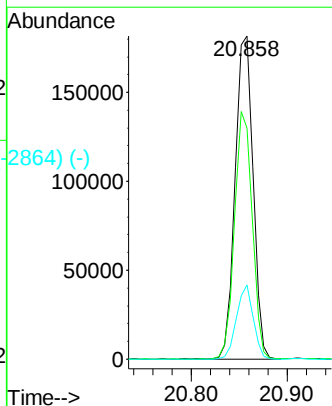
Delta R.T. 0.009 min

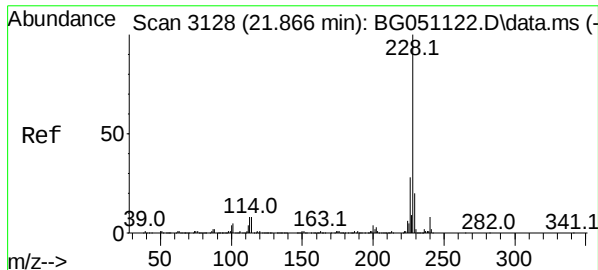
Lab File: BG051149.D

Acq: 20 Nov 2021 15:49



Tgt Ion	Ratio	Lower	Upper
149	100		
91	71.4	63.4	95.2
206	22.9	18.4	27.6





Benzo(a)anthracene

Concen: 41.62 ng

RT: 21.869 min Scan# 3128

Delta R.T. 0.003 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49

Instrument :

BNA_G

ClientSampleId :

PB140834BS

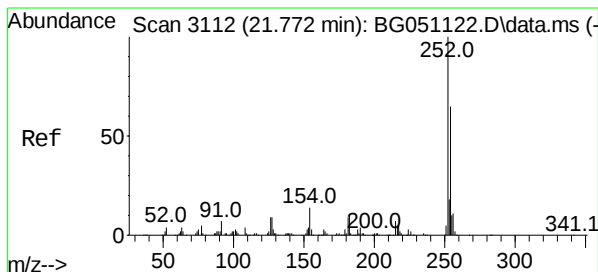
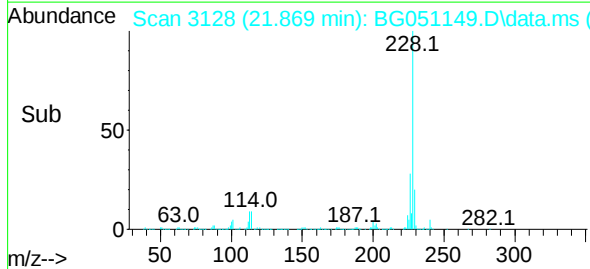
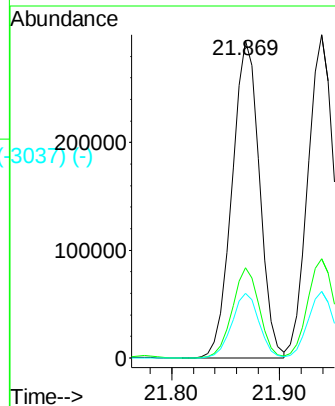
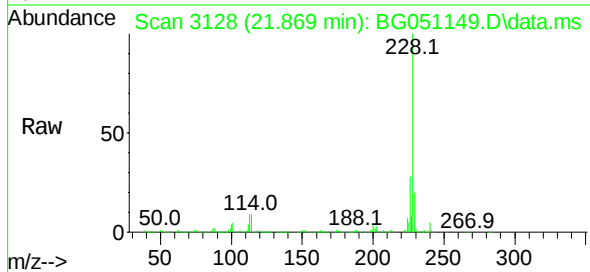
Tgt Ion:228 Resp: 521691

Ion Ratio Lower Upper

228 100

226 28.5 22.7 34.1

229 20.3 16.0 24.0



3,3'-Dichlorobenzidine

Concen: 32.25 ng

RT: 21.774 min Scan# 3112

Delta R.T. 0.003 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49

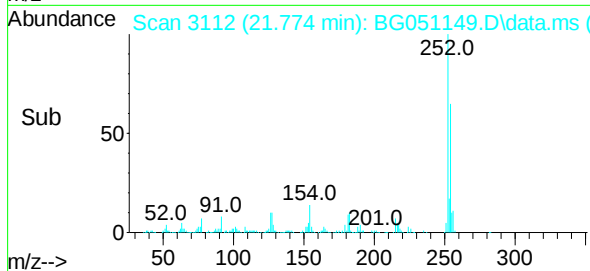
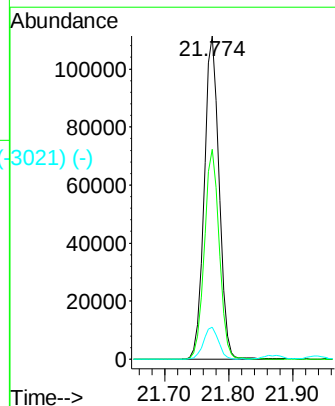
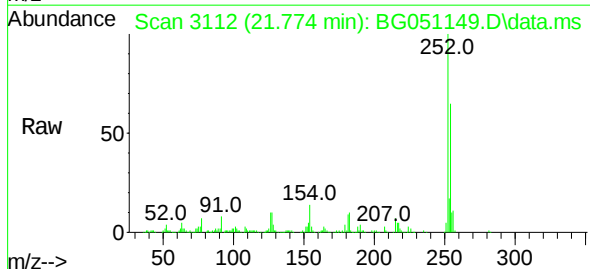
Tgt Ion:252 Resp: 180633

Ion Ratio Lower Upper

252 100

254 64.9 52.4 78.6

126 9.9 5.9 8.9#



Abundance Scan 3140 (21.936 min): BG051122.D\data.ms (-3140) (-)

Chrysene

Concen: 42.84 ng

RT: 21.939 min Scan# 3140

Delta R.T. 0.003 min

Lab File: BG051149.D

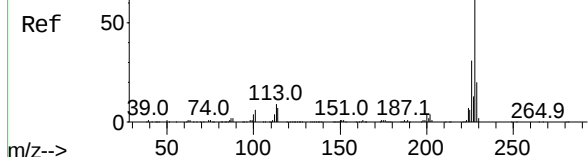
Acq: 20 Nov 2021 15:49

Instrument :

BNA_G

ClientSampleId :

PB140834BS



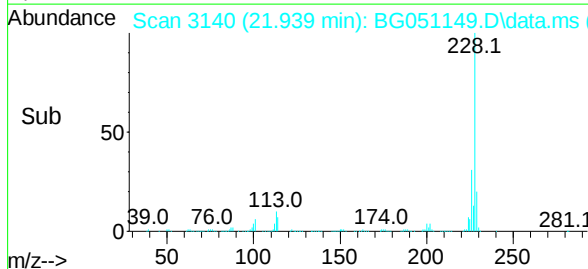
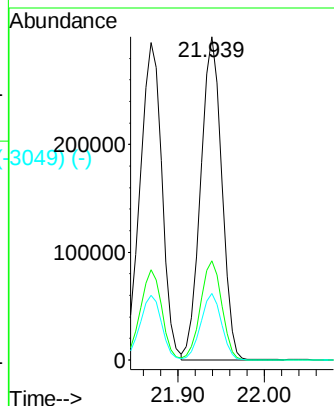
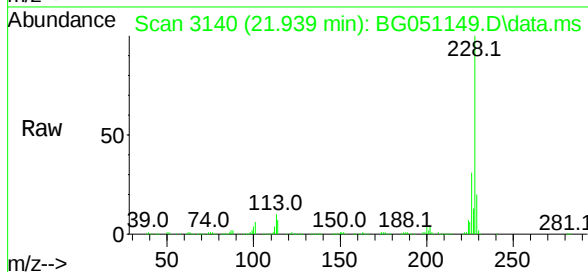
Tgt Ion:228 Resp: 504175

Ion Ratio Lower Upper

228 100

226 30.7 23.1 34.7

229 20.5 15.3 22.9



Abundance Scan 3104 (21.725 min): BG051122.D\data.ms (-3104) (-)

Bis(2-ethylhexyl)phthalate

Concen: 42.69 ng

RT: 21.727 min Scan# 3104

Delta R.T. 0.003 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49

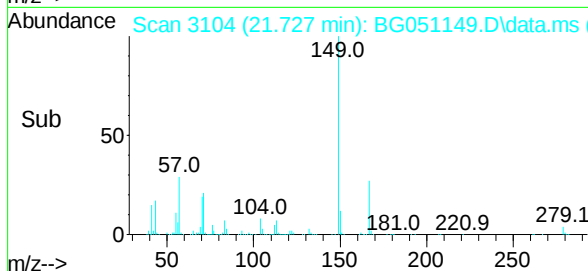
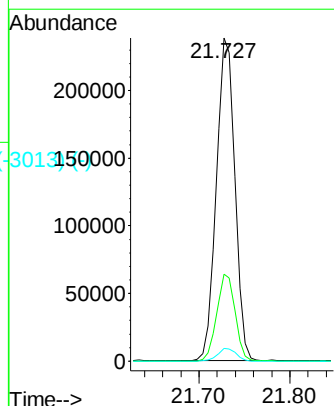
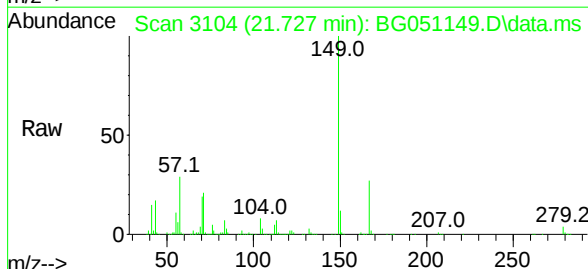
Tgt Ion:149 Resp: 337925

Ion Ratio Lower Upper

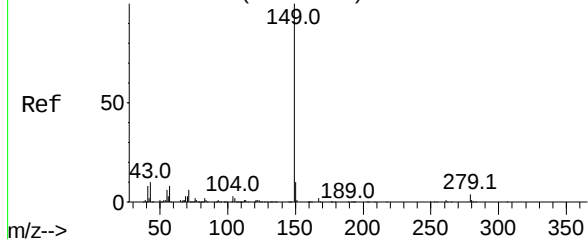
149 100

167 26.9 22.3 33.5

279 3.9 3.8 5.8



Abundance Scan 3319 (22.988 min): BG051122.D\data.ms (-3305)



Di-n-octyl phthalate

Concen: 43.52 ng

RT: 22.997 min Scan# 3319

Delta R.T. 0.009 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49

Instrument :

BNA_G

ClientSampleId :

PB140834BS

Tgt Ion:149 Resp: 577187

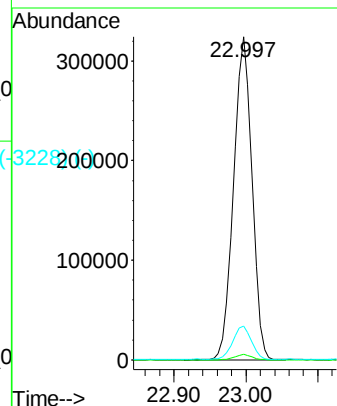
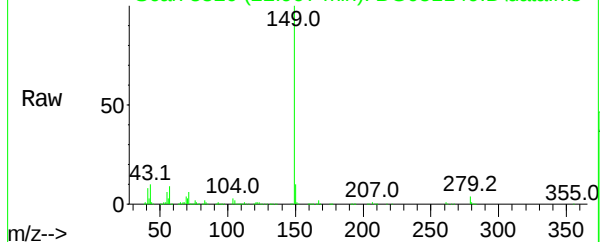
Ion Ratio Lower Upper

149 100

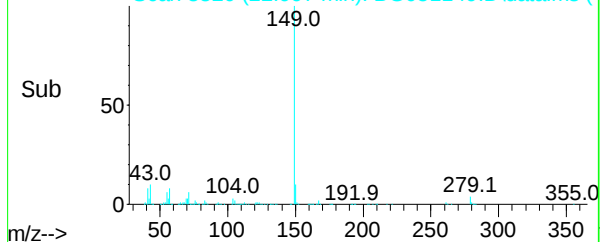
167 1.6 1.4 2.2

43 10.3 8.6 12.8

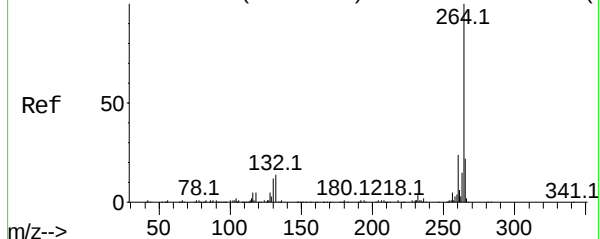
Abundance Scan 3320 (22.997 min): BG051149.D\data.ms



Abundance Scan 3320 (22.997 min): BG051149.D\data.ms (-3228)



Abundance Scan 3709 (25.279 min): BG051122.D\data.ms (-3696)



Perylene-d12

Concen: 20.00 ng

RT: 25.288 min Scan# 3710

Delta R.T. 0.009 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49

Tgt Ion:264 Resp: 180003

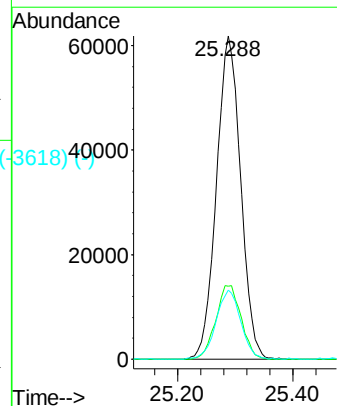
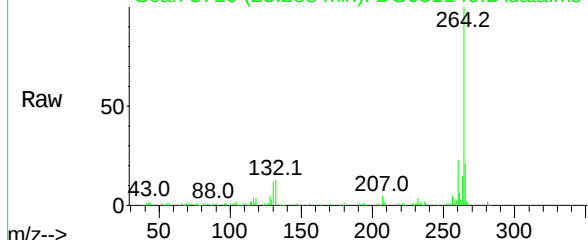
Ion Ratio Lower Upper

264 100

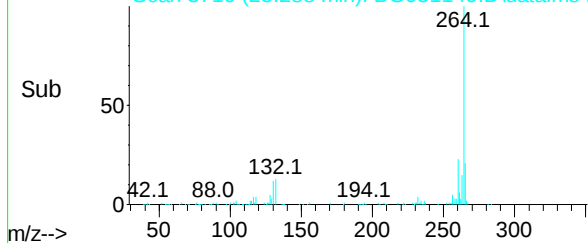
260 22.5 19.4 29.2

265 21.4 16.9 25.3

Abundance Scan 3710 (25.288 min): BG051149.D\data.ms



Abundance Scan 3710 (25.288 min): BG051149.D\data.ms (-3618)



Abundance Scan 4376 (29.198 min): BG051122.D\data.ms (-4383) (-)

Indeno(1,2,3-cd)pyrene

Concen: 44.54 ng

RT: 29.207 min Scan# 4383

Delta R.T. 0.009 min

Lab File: BG051149.D

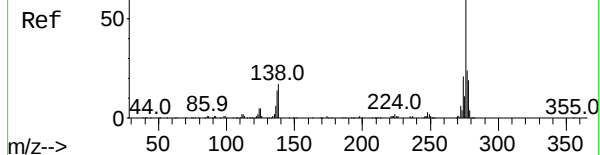
Acq: 20 Nov 2021 15:49

Instrument :

BNA_G

ClientSampleId :

PB140834BS



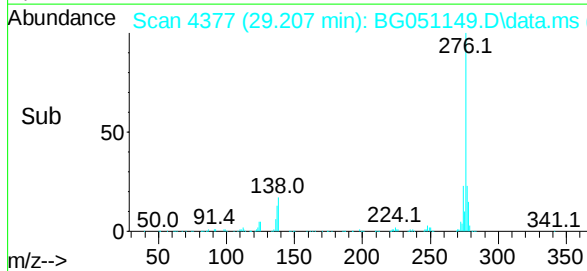
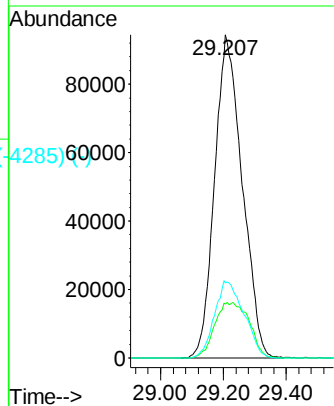
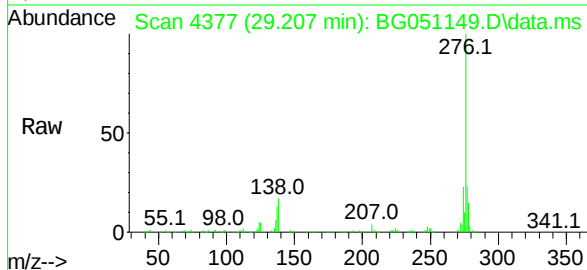
Tgt Ion:276 Resp: 575342

Ion Ratio Lower Upper

276 100

138 9.5 5.1 7.7#

277 25.4 19.8 29.6



Abundance Scan 3525 (24.198 min): BG051122.D\data.ms (-3532) (-)

Benzo(b)fluoranthene

Concen: 47.63 ng

RT: 24.201 min Scan# 3525

Delta R.T. 0.003 min

Lab File: BG051149.D

Acq: 20 Nov 2021 15:49

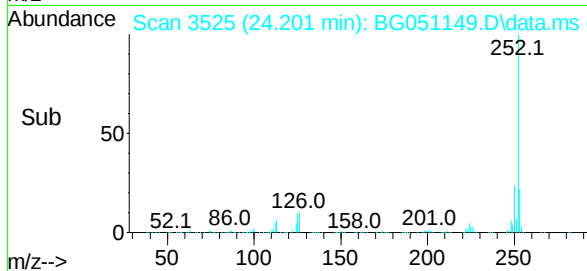
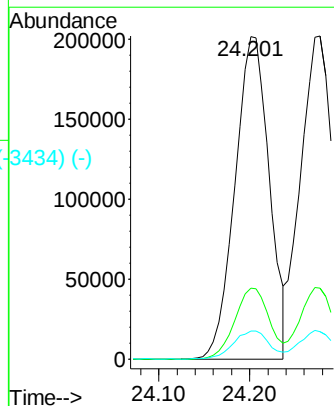
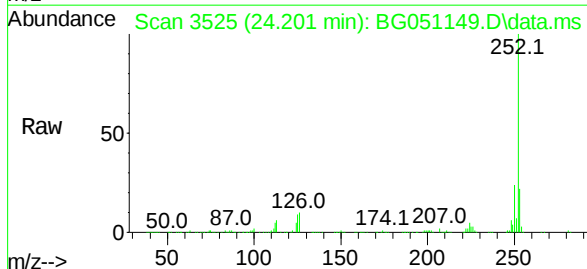
Tgt Ion:252 Resp: 528555

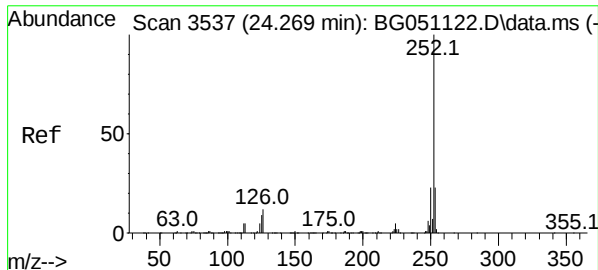
Ion Ratio Lower Upper

252 100

253 22.1 16.2 24.4

125 8.7 3.0 4.4#

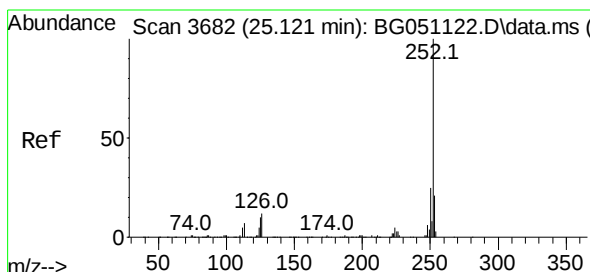
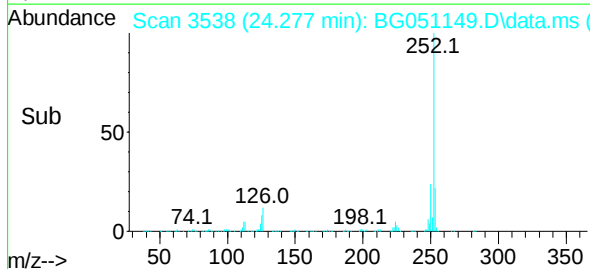
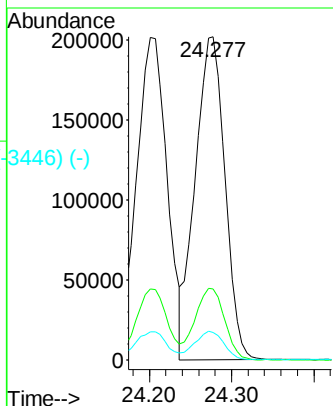
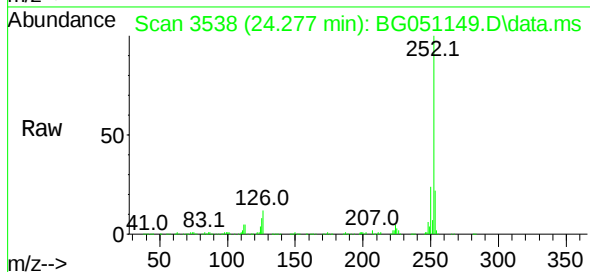




Benzo(k)fluoranthene
 Concen: 44.90 ng
 RT: 24.277 min Scan# 3539
 Delta R.T. 0.009 min
 Lab File: BG051149.D
 Acq: 20 Nov 2021 15:49

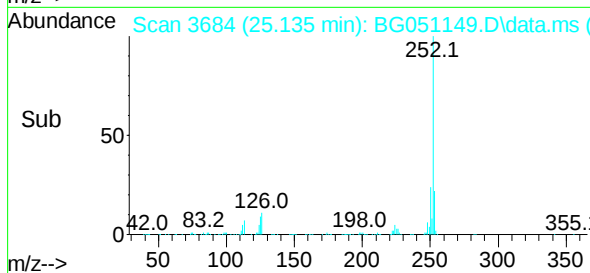
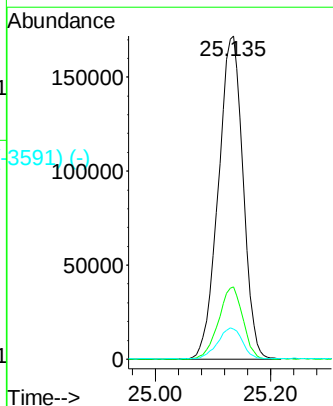
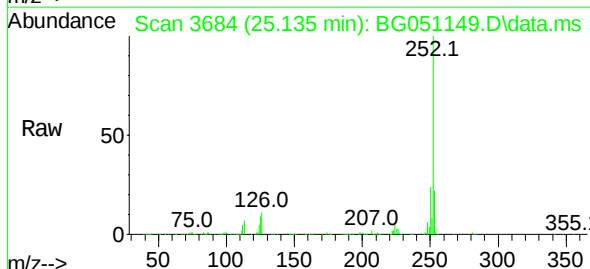
Instrument :
 BNA_G
 ClientSampleId :
 PB140834BS

Tgt Ion:	252	Resp:	505404
Ion Ratio	Lower	Upper	
252	100		
253	21.9	18.0	27.0
125	8.5	3.1	4.7#

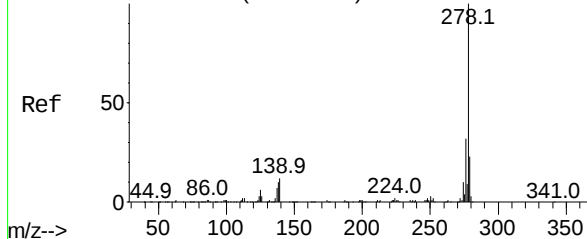


Benzo(a)pyrene
 Concen: 53.00 ng
 RT: 25.135 min Scan# 3684
 Delta R.T. 0.015 min
 Lab File: BG051149.D
 Acq: 20 Nov 2021 15:49

Tgt Ion:	252	Resp:	510298
Ion Ratio	Lower	Upper	
252	100		
253	22.3	16.6	25.0
125	9.2	3.5	5.3#



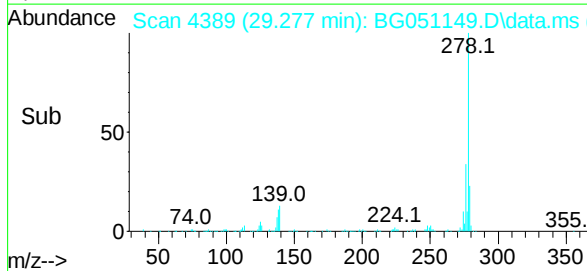
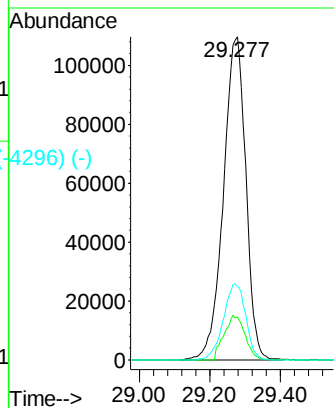
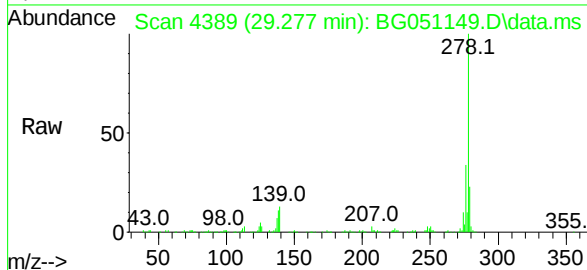
Abundance Scan 4387 (29.263 min): BG051122.D\data.ms (-4399) (-)



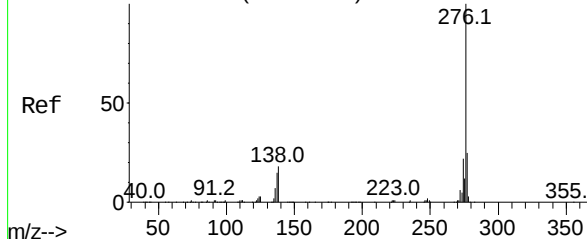
Dibenzo(a,h)anthracene
Concen: 45.43 ng
RT: 29.277 min Scan# 4389
Delta R.T. 0.015 min
Lab File: BG051149.D
Acq: 20 Nov 2021 15:49

Instrument :
BNA_G
ClientSampleId :
PB140834BS

Tgt Ion:278 Resp: 483456
Ion Ratio Lower Upper
278 100
139 13.2 4.6 6.8#
279 22.8 17.9 26.9



Abundance Scan 4587 (30.438 min): BG051122.D\data.ms (-4592) (-)



Benzo(g,h,i)perylene
Concen: 45.64 ng
RT: 30.441 min Scan# 4587
Delta R.T. 0.003 min
Lab File: BG051149.D
Acq: 20 Nov 2021 15:49

Tgt Ion:276 Resp: 480412
Ion Ratio Lower Upper
276 100
277 24.8 18.4 27.6
138 17.3 7.0 10.6#

