

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
 Data File : BG064625.D
 Acq On : 29 Oct 2025 16:12
 Operator : RC/JU
 Sample : Q3477-01MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOUTH-MAHWAH-SOILMSD

Quant Time: Oct 29 17:24:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:40:26 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.220	152	26728	20.000	ng	0.00
21) Naphthalene-d8	11.040	136	111664	20.000	ng	#-0.01
39) Acenaphthene-d10	14.842	164	89012	20.000	ng	0.00
64) Phenanthrene-d10	17.574	188	229952	20.000	ng	0.00
76) Chrysene-d12	21.851	240	263949	20.000	ng	-0.01
86) Perylene-d12	25.194	264	292090	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.746	112	136058	85.443	ng	0.00
7) Phenol-d6	7.350	99	190236	87.062	ng	0.00
23) Nitrobenzene-d5	9.377	82	117635	63.274	ng	-0.01
42) 2,4,6-Tribromophenol	16.316	330	129534	100.827	ng	0.00
45) 2-Fluorobiphenyl	13.467	172	284818	48.500	ng	-0.01
79) Terphenyl-d14	20.165	244	685533	49.014	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.578	88	28451	40.357	ng	95
3) Pyridine	3.990	79	83495	39.438	ng	97
4) n-Nitrosodimethylamine	3.896	42	57079	50.276	ng	96
6) Aniline	7.527	93	105780	35.576	ng	99
8) 2-Chlorophenol	7.773	128	88747	53.246	ng	97
9) Benzaldehyde	7.339	77	50736	42.531	ng	97
10) Phenol	7.380	94	123112	50.946	ng	96
11) bis(2-Chloroethyl)ether	7.527	93	105780	35.576	ng	97
12) 1,3-Dichlorobenzene	8.108	146	94148	49.078	ng	97
13) 1,4-Dichlorobenzene	8.255	146	94139	48.262	ng	95
14) 1,2-Dichlorobenzene	8.573	146	95570	50.797	ng	98
15) Benzyl Alcohol	8.443	79	92359	51.258	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.743	45	213058	45.717	ng	98
17) 2-Methylphenol	8.449	107	46026	51.102	ng	92
18) Hexachloroethane	9.319	117	34713	50.712	ng	96
19) n-Nitroso-di-n-propyla...	9.019	70	75159	49.771	ng	98
20) 3+4-Methylphenols	8.972	107	114937	50.940	ng	98
22) Acetophenone	9.037	105	154714	50.685	ng	# 97
24) Nitrobenzene	9.424	77	109225	54.016	ng	95
25) Isophorone	9.953	82	215487	48.304	ng	98
26) 2-Nitrophenol	10.141	139	49958	62.987	ng	92
27) 2,4-Dimethylphenol	10.194	122	95902	56.659	ng	95
28) bis(2-Chloroethoxy)met...	10.429	93	118895	46.809	ng	97
29) 2,4-Dichlorophenol	10.682	162	97596	54.650	ng	99
30) 1,2,4-Trichlorobenzene	10.905	180	105553	52.021	ng	98
31) Naphthalene	11.093	128	292640	47.268	ng	99
32) Benzoic acid	10.318	122	80695	63.521	ng	91
33) 4-Chloroaniline	11.187	127	56662	23.547	ng	97
34) Hexachlorobutadiene	11.387	225	79841	50.315	ng	96
35) Caprolactam	11.945	113	19854	28.987	ng	91
36) 4-Chloro-3-methylphenol	12.292	107	115489	53.801	ng	95
37) 2-Methylnaphthalene	12.685	142	200463	44.103	ng	96
38) 1-Methylnaphthalene	12.685	142	200463	44.821	ng	99
40) 1,2,4,5-Tetrachloroben...	13.050	216	156910	52.526	ng	99
41) Hexachlorocyclopentadiene	13.032	237	201576	149.915	ng	99
43) 2,4,6-Trichlorophenol	13.273	196	101091	59.160	ng	94

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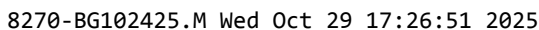
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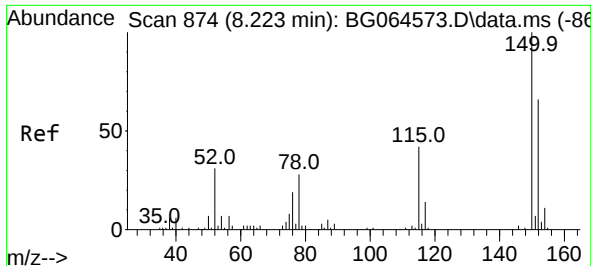
Quant Time: Oct 29 17:24:25 2025
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.349	196	110612	56.094	ng	96
46) 1,1'-Biphenyl	13.678	154	322816	51.013	ng	98
47) 2-Chloronaphthalene	13.725	162	231446	48.453	ng	99
48) 2-Nitroaniline	13.907	65	94445	58.165	ng	92
49) Acenaphthylene	14.566	152	425822	56.517	ng	98
50) Dimethylphthalate	14.284	163	343698	50.461	ng	98
51) 2,6-Dinitrotoluene	14.395	165	68751	60.298	ng	100
52) Acenaphthene	14.906	154	294610	57.233	ng	98
53) 3-Nitroaniline	14.724	138	46104	39.387	ng	# 99
54) 2,4-Dinitrophenol	14.930	184	95267	134.093	ng	# 37
55) Dibenzofuran	15.235	168	413248	49.657	ng	99
56) 4-Nitrophenol	15.018	139	134018	123.490	ng	91
57) 2,4-Dinitrotoluene	15.177	165	105418	59.862	ng	# 98
58) Fluorene	15.882	166	325944	50.151	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.453	232	117873	62.511	ng	99
60) Diethylphthalate	15.641	149	351613	50.558	ng	99
61) 4-Chlorophenyl-phenyle...	15.870	204	181304	49.708	ng	99
62) 4-Nitroaniline	15.882	138	77295	59.355	ng	94
63) Azobenzene	16.164	77	339729	53.240	ng	98
65) 4,6-Dinitro-2-methylph...	15.940	198	66126	63.389	ng	91
66) n-Nitrosodiphenylamine	16.081	169	307341	49.479	ng	100
67) 4-Bromophenyl-phenylether	16.763	248	133325	48.926	ng	98
68) Hexachlorobenzene	16.886	284	157619	50.701	ng	98
69) Atrazine	17.021	200	142836	53.435	ng	97
70) Pentachlorophenol	17.221	266	216974	111.923	ng	97
71) Phenanthrene	17.621	178	613596	48.794	ng	99
72) Anthracene	17.709	178	631231	49.346	ng	99
73) Carbazole	17.967	167	558052	49.472	ng	99
74) Di-n-butylphthalate	18.526	149	651165	49.921	ng	99
75) Fluoranthene	19.613	202	776808	49.310	ng	98
77) Benzidine	19.777	184	306322	51.800	ng	99
78) Pyrene	19.971	202	793530	46.015	ng	99
80) Butylbenzylphthalate	20.846	149	295223	56.642	ng	98
81) Benzo(a)anthracene	21.833	228	871497	49.796	ng	99
82) 3,3'-Dichlorobenzidine	21.734	252	173912	29.758	ng	98
83) Chrysene	21.898	228	808078	48.525	ng	98
84) Bis(2-ethylhexyl)phtha...	21.739	149	416105	53.428	ng	98
85) Di-n-octyl phthalate	22.997	149	722039	54.989	ng	99
87) Indeno(1,2,3-cd)pyrene	29.031	276	1050354	48.883	ng	98
88) Benzo(b)fluoranthene	24.137	252	865025	48.296	ng	99
89) Benzo(k)fluoranthene	24.207	252	892208	49.779	ng	98
90) Benzo(a)pyrene	25.041	252	837198	50.850	ng	99
91) Dibenzo(a,h)anthracene	29.107	278	868741	49.765	ng	97
92) Benzo(g,h,i)perylene	29.031	276	1050354	48.883	ng	95

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

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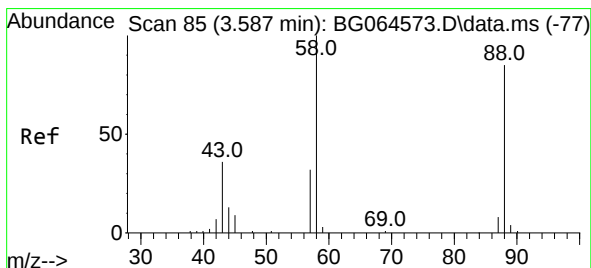
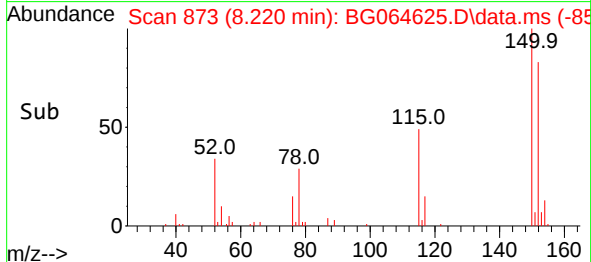
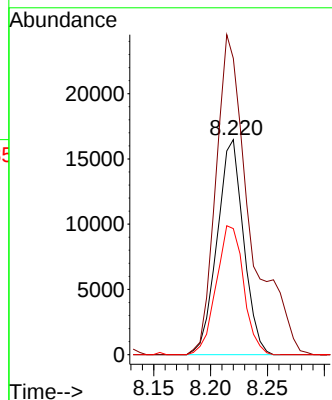
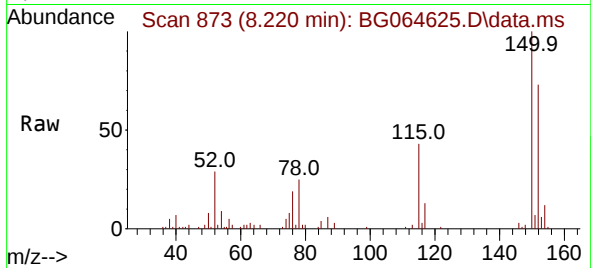




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.220 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG064625.D
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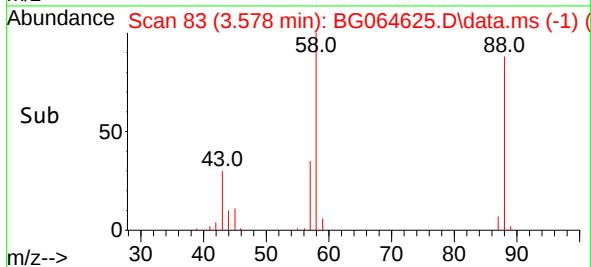
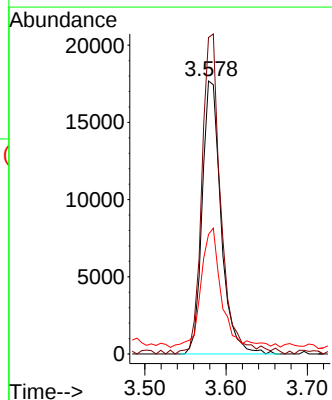
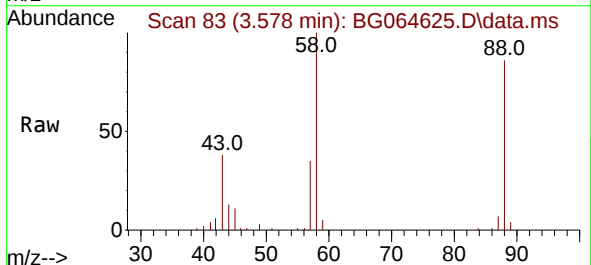
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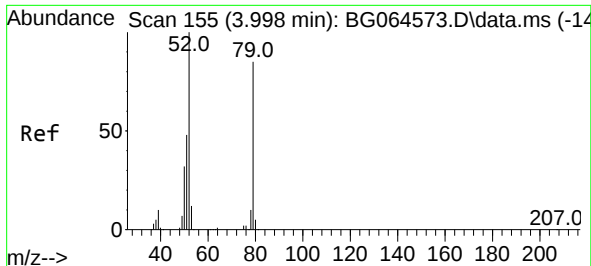
Tgt Ion:152 Resp: 26728
Ion Ratio Lower Upper
152 100
150 137.8 122.2 183.4
115 58.6 50.8 76.2



#2
1,4-Dioxane
Concen: 40.357 ng
RT: 3.578 min Scan# 83
Delta R.T. -0.012 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

Tgt Ion: 88 Resp: 28451
Ion Ratio Lower Upper
88 100
58 118.6 92.4 138.6
43 47.9 33.0 49.6

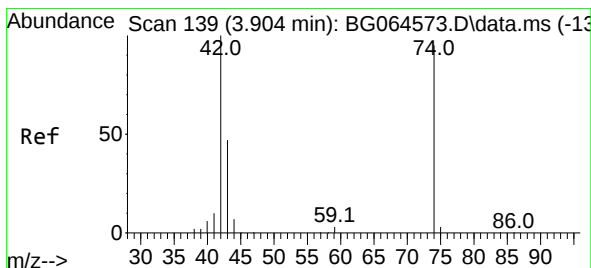
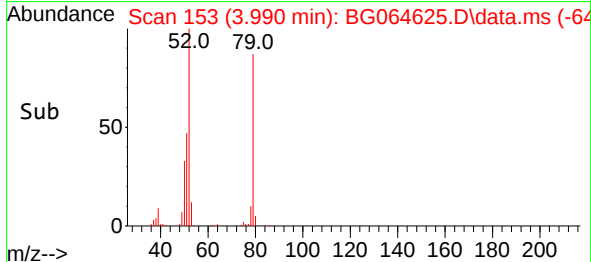
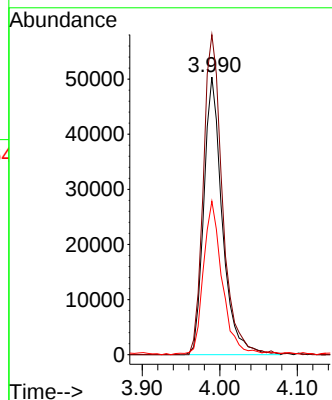
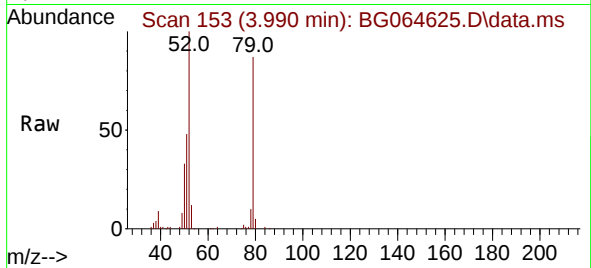




#3
Pyridine
Concen: 39.438 ng
RT: 3.990 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

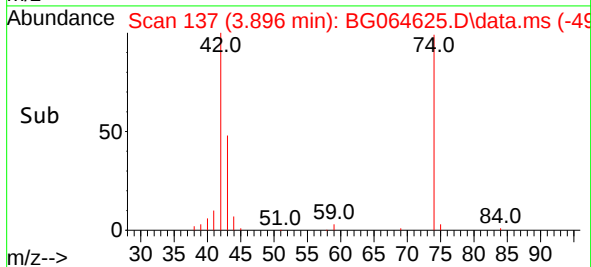
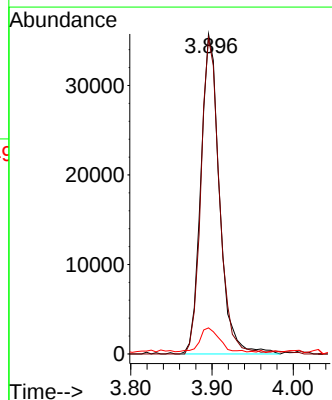
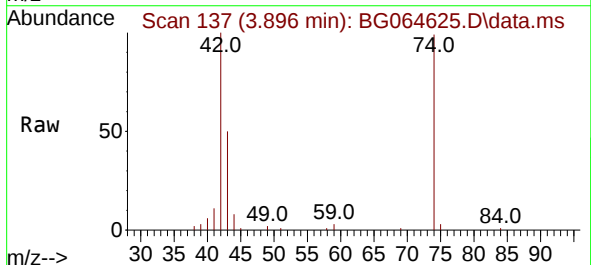
Instrument :
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ClientSampleId :
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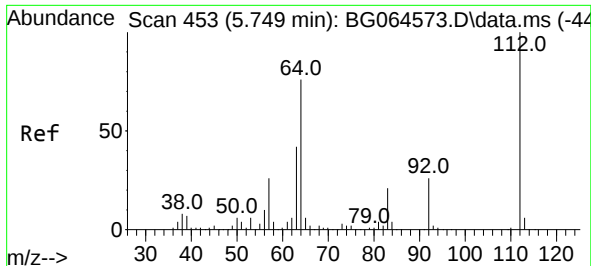
Tgt Ion: 79 Resp: 83495
Ion Ratio Lower Upper
79 100
52 115.3 94.2 141.2
51 55.3 46.1 69.1



#4
n-Nitrosodimethylamine
Concen: 50.276 ng
RT: 3.896 min Scan# 137
Delta R.T. -0.012 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

Tgt Ion: 42 Resp: 57079
Ion Ratio Lower Upper
42 100
74 98.8 76.1 114.1
44 8.1 6.3 9.5

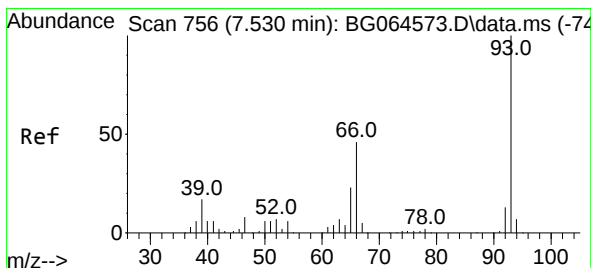
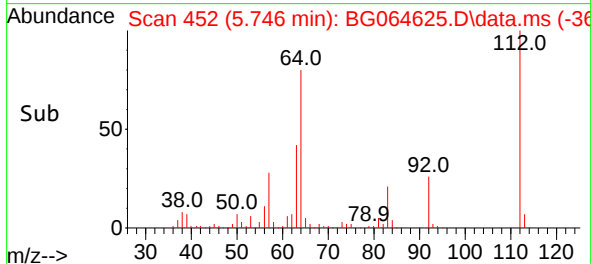
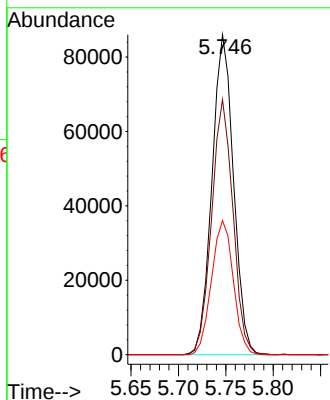
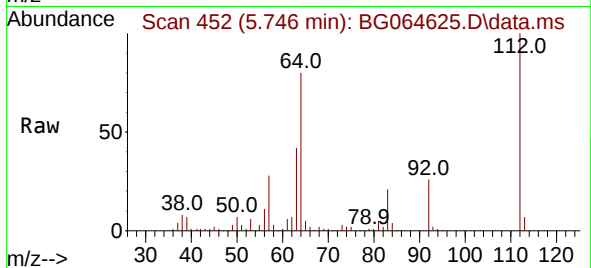




#5
2-Fluorophenol
Concen: 85.443 ng
RT: 5.746 min Scan# 411
Delta R.T. -0.000 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

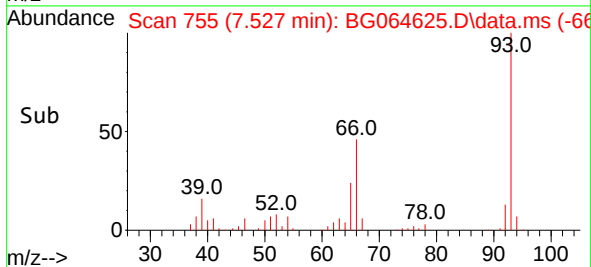
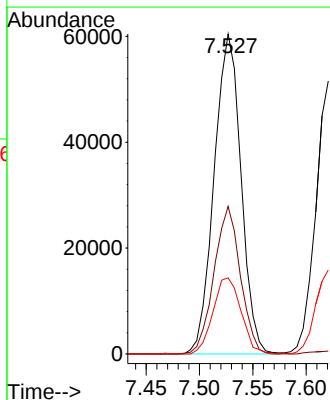
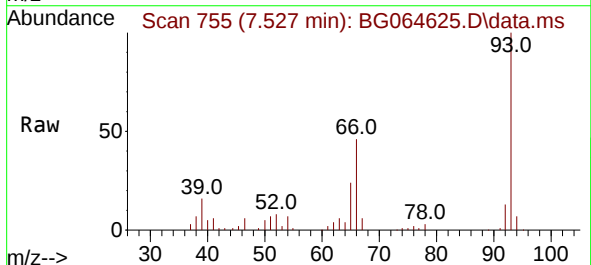
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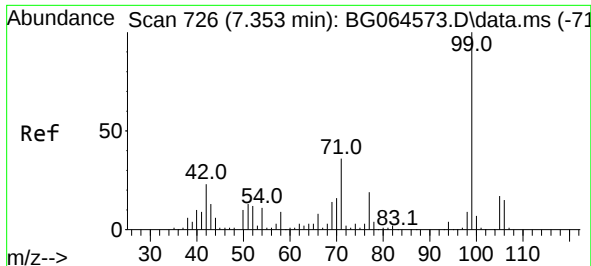
Tgt Ion:112 Resp: 136058
Ion Ratio Lower Upper
112 100
64 79.7 60.7 91.1
63 41.9 33.4 50.0



#6
Aniline
Concen: 35.576 ng
RT: 7.527 min Scan# 755
Delta R.T. -0.006 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

Tgt Ion: 93 Resp: 105780
Ion Ratio Lower Upper
93 100
66 46.1 37.0 55.6
65 23.8 18.3 27.5

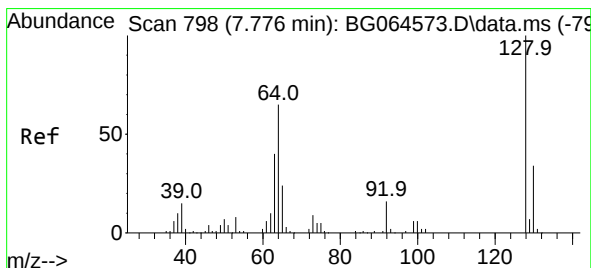
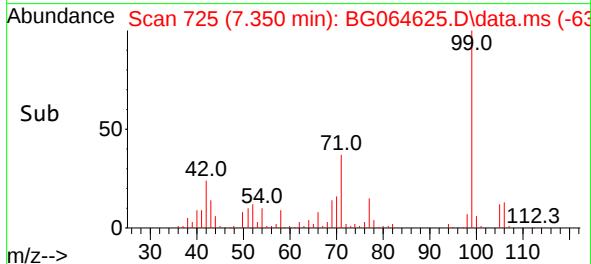
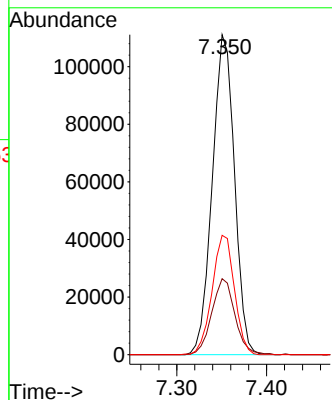
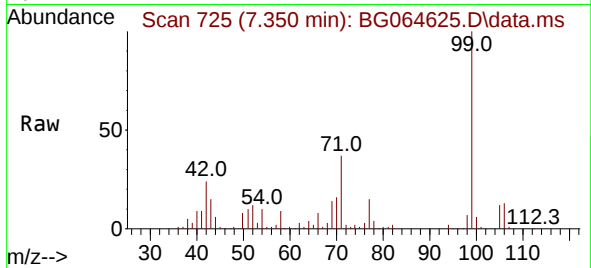




#7
Phenol-d6
Concen: 87.062 ng
RT: 7.350 min Scan# 71
Delta R.T. -0.006 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

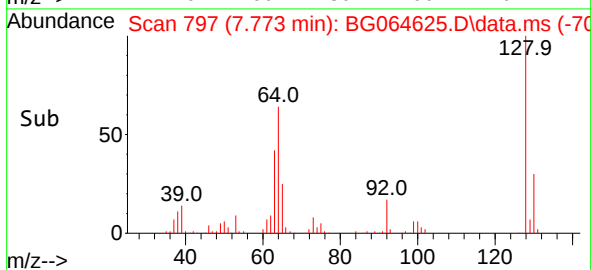
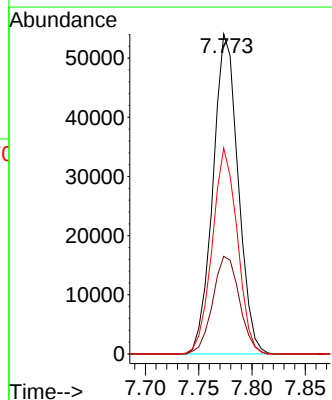
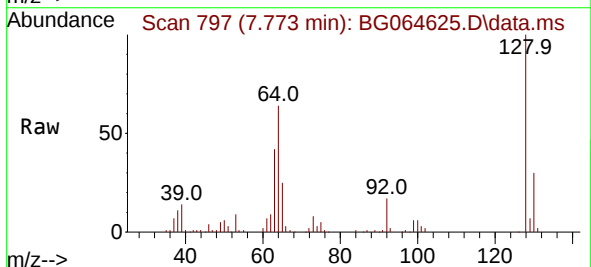
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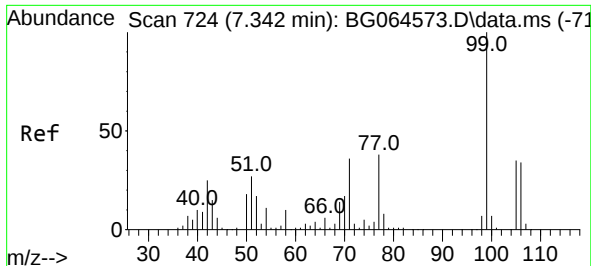
Tgt Ion: 99 Resp: 190236
Ion Ratio Lower Upper
99 100
42 23.7 18.3 27.5
71 37.3 28.6 43.0



#8
2-Chlorophenol
Concen: 53.246 ng
RT: 7.773 min Scan# 797
Delta R.T. -0.006 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

Tgt Ion: 128 Resp: 88747
Ion Ratio Lower Upper
128 100
130 30.5 13.5 53.5
64 64.3 45.2 85.2

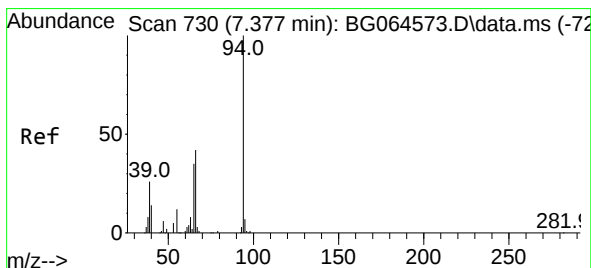
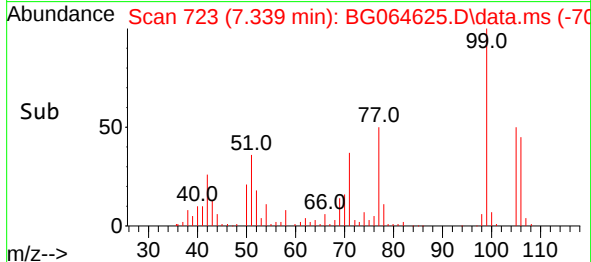
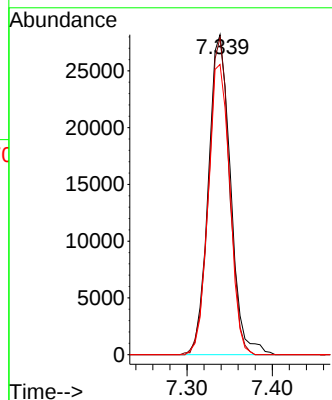
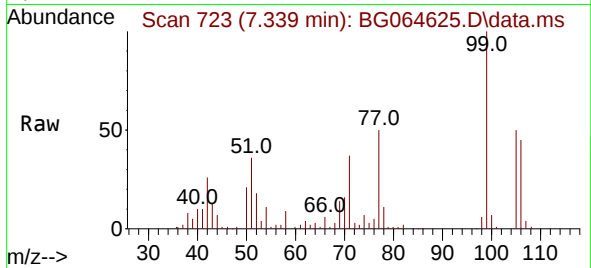




#9
Benzaldehyde
Concen: 42.531 ng
RT: 7.339 min Scan# 71
Delta R.T. -0.000 min
Lab File: BG064625.D
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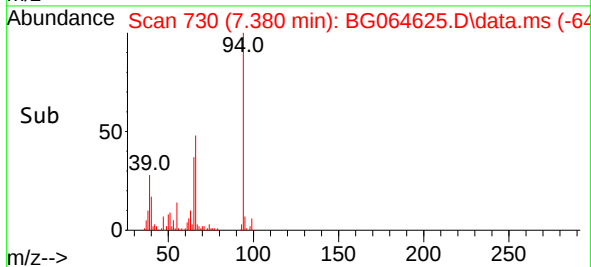
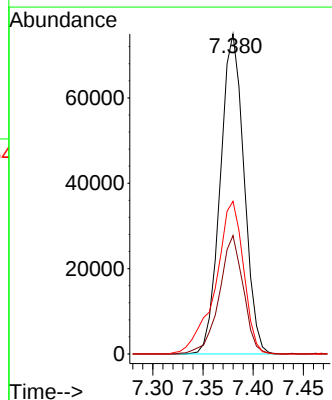
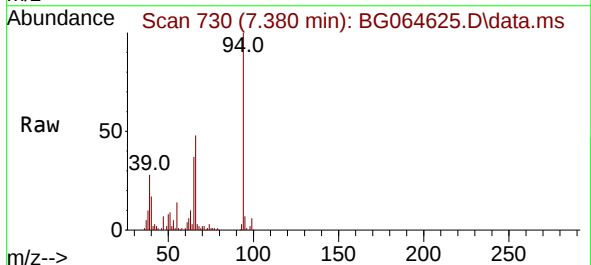
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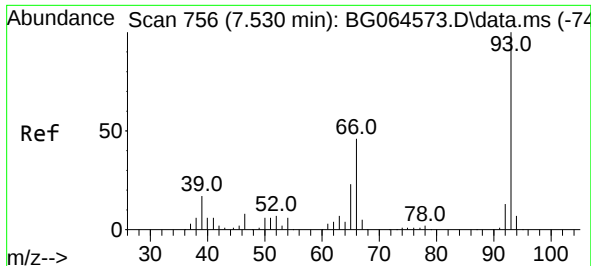
Tgt Ion: 77 Resp: 50736
Ion Ratio Lower Upper
77 100
105 99.1 72.9 112.9
106 90.7 70.8 110.8



#10
Phenol
Concen: 50.946 ng
RT: 7.380 min Scan# 730
Delta R.T. -0.006 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

Tgt Ion: 94 Resp: 123112
Ion Ratio Lower Upper
94 100
65 37.0 15.8 55.8
66 47.7 24.0 64.0

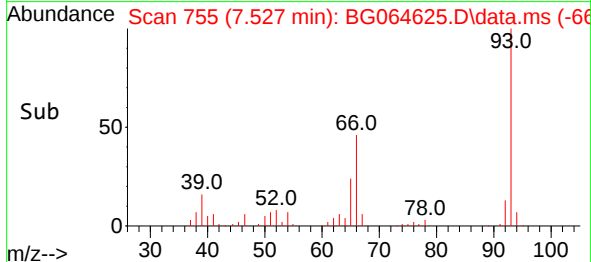
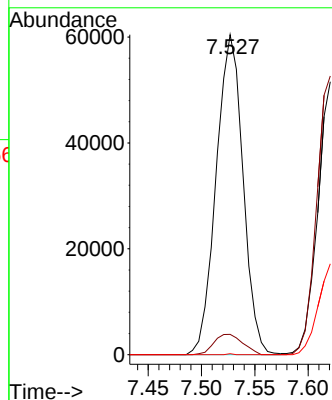
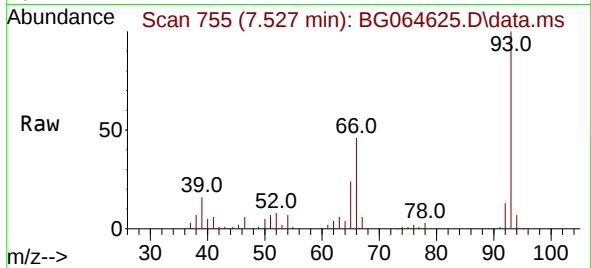




#11
bis(2-Chloroethyl)ether
Concen: 35.576 ng
RT: 7.527 min Scan# 71
Delta R.T. -0.006 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

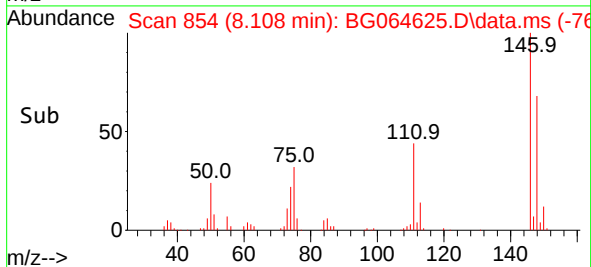
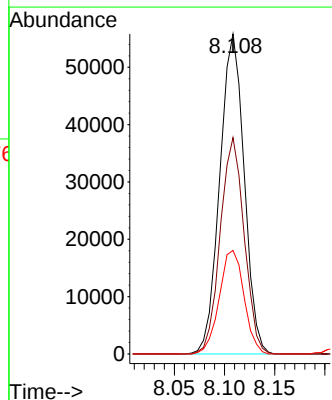
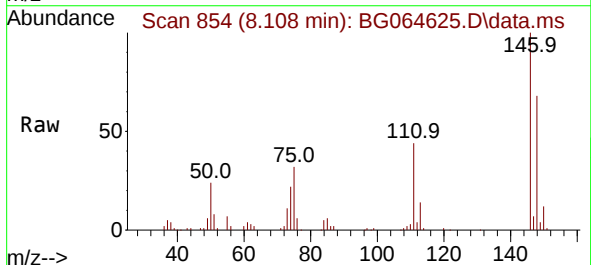
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD

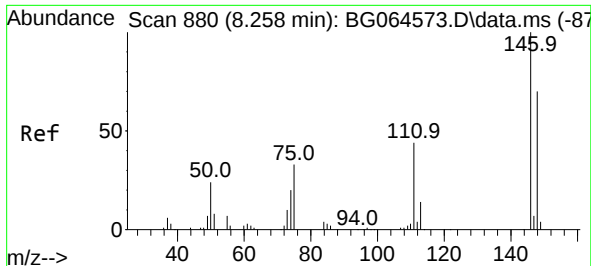
Tgt Ion: 93 Resp: 105780
Ion Ratio Lower Upper
93 100
63 6.4 0.0 27.4
95 0.3 0.0 20.2



#12
1,3-Dichlorobenzene
Concen: 49.078 ng
RT: 8.108 min Scan# 854
Delta R.T. -0.000 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

Tgt Ion:146 Resp: 94148
Ion Ratio Lower Upper
146 100
148 67.6 55.3 82.9
75 32.3 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 48.262 ng

RT: 8.255 min Scan# 81

Delta R.T. -0.000 min

Lab File: BG064625.D

Acq: 29 Oct 2025 16:12

Instrument :

BNA_G

ClientSampleId :

SOUTH-MAHWAH-SOILMSD

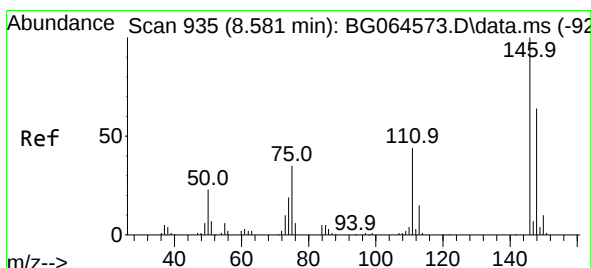
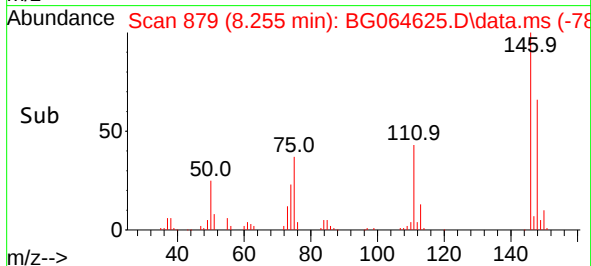
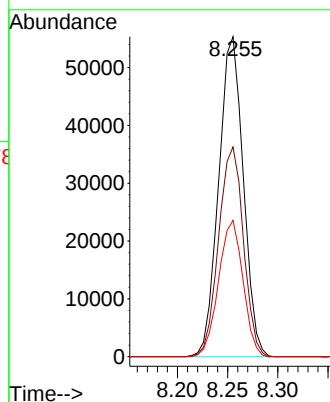
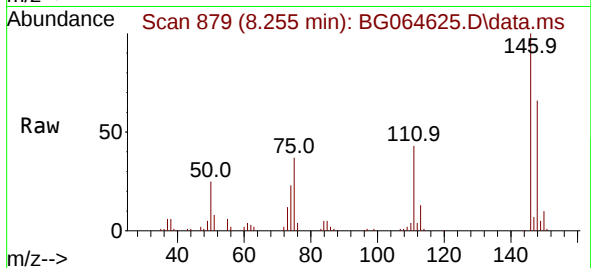
Tgt Ion:146 Resp: 94139

Ion Ratio Lower Upper

146 100

148 65.5 56.2 84.4

111 42.6 35.4 53.0



#14

1,2-Dichlorobenzene

Concen: 50.797 ng

RT: 8.573 min Scan# 933

Delta R.T. -0.006 min

Lab File: BG064625.D

Acq: 29 Oct 2025 16:12

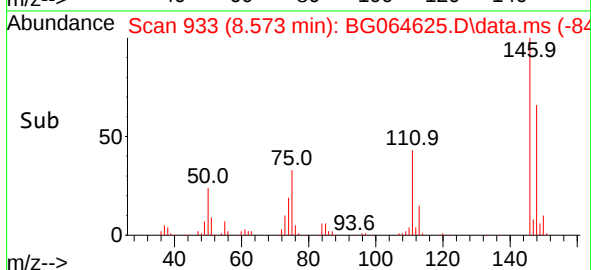
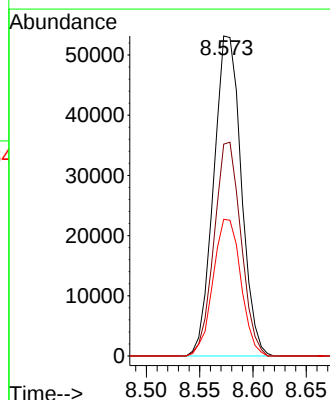
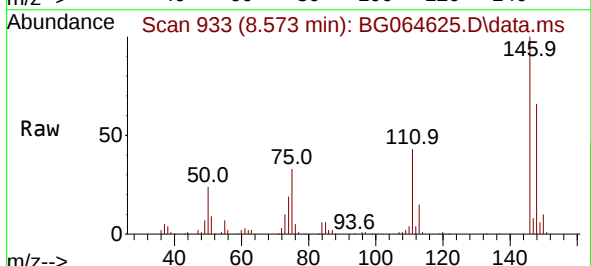
Tgt Ion:146 Resp: 95570

Ion Ratio Lower Upper

146 100

148 66.2 51.5 77.3

111 42.7 35.0 52.6

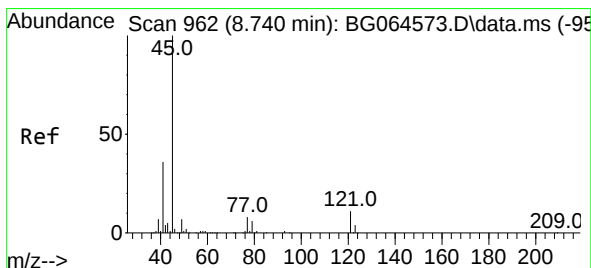
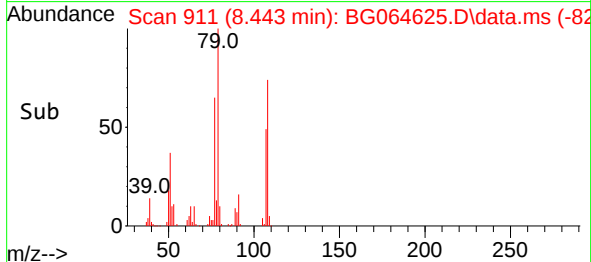
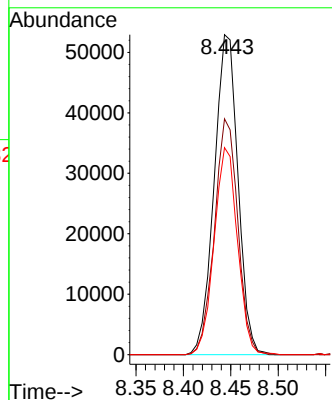
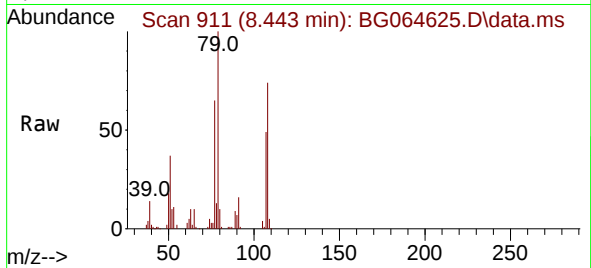




#15
Benzyl Alcohol
Concen: 51.258 ng
RT: 8.443 min Scan# 911
Delta R.T. -0.012 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

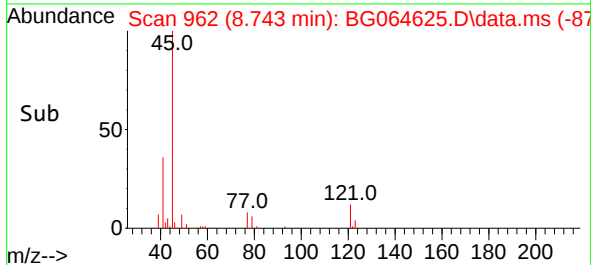
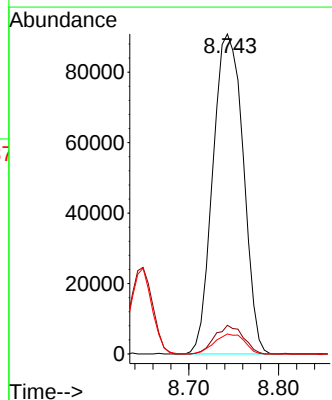
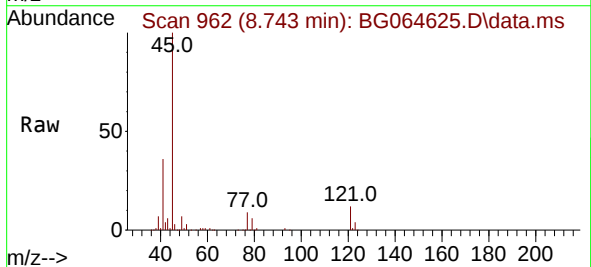
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD

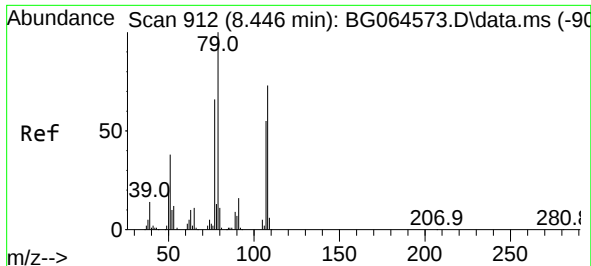
Tgt Ion: 79 Resp: 92359
Ion Ratio Lower Upper
79 100
108 73.7 58.1 87.1
77 64.7 52.8 79.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.717 ng
RT: 8.743 min Scan# 962
Delta R.T. -0.001 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

Tgt Ion: 45 Resp: 213058
Ion Ratio Lower Upper
45 100
77 9.0 0.0 28.5
79 6.3 0.0 25.6

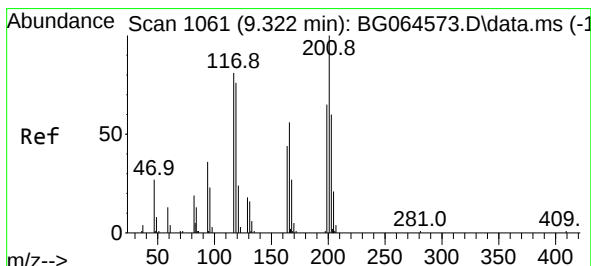
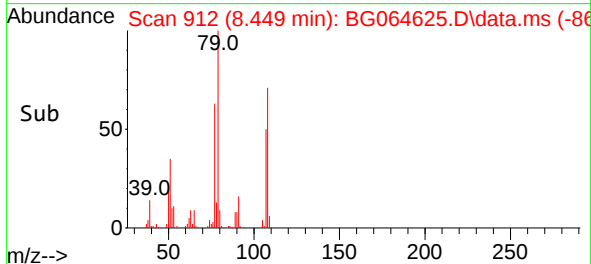
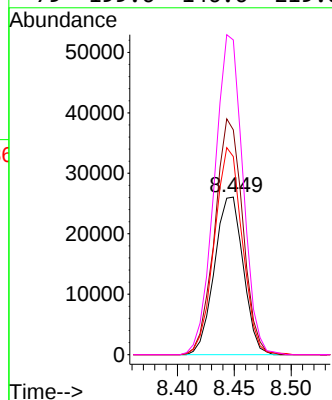
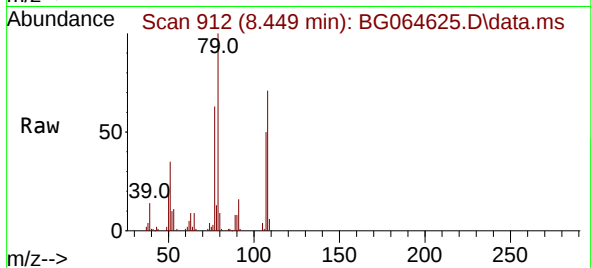




#17
2-Methylphenol
Concen: 51.102 ng
RT: 8.449 min Scan# 912
Delta R.T. -0.001 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

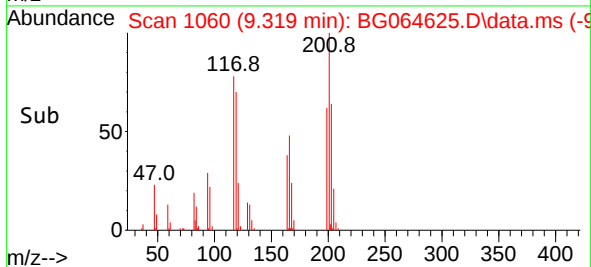
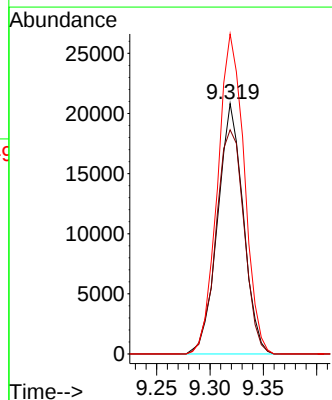
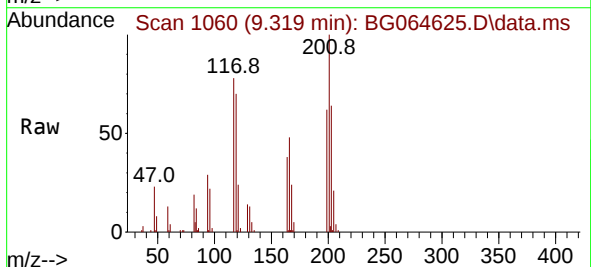
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD

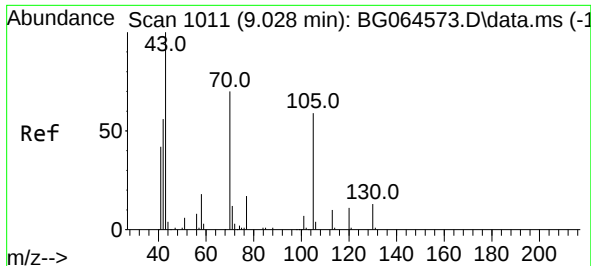
Tgt Ion:	107	Resp:	46026
Ion	Ratio	Lower	Upper
107	100		
108	142.5	106.4	159.6
77	125.6	96.7	145.1
79	199.6	146.6	219.8



#18
Hexachloroethane
Concen: 50.712 ng
RT: 9.319 min Scan# 1060
Delta R.T. -0.006 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

Tgt Ion:	117	Resp:	34713
Ion	Ratio	Lower	Upper
117	100		
119	89.5	75.4	113.2
201	127.8	99.2	148.8





#19

n-Nitroso-di-n-propylamine

Concen: 49.771 ng

RT: 9.019 min Scan# 1009

Delta R.T. -0.012 min

Lab File: BG064625.D

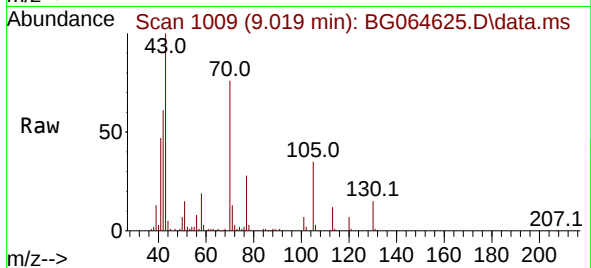
Acq: 29 Oct 2025 16:12

Instrument :

BNA_G

ClientSampleId :

SOUTH-MAHWAH-SOILMSD



Tgt Ion: 70 Resp: 75159

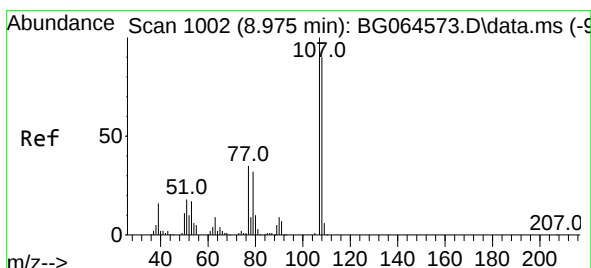
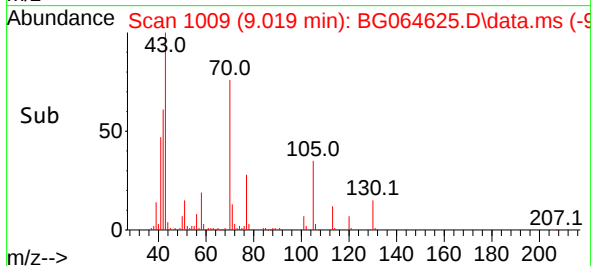
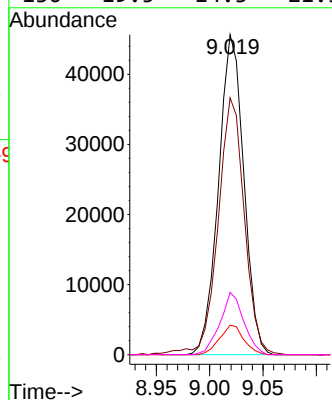
Ion Ratio Lower Upper

70 100

42 80.2 65.2 97.8

101 9.2 7.9 11.9

130 19.5 14.3 21.5



#20

3+4-Methylphenols

Concen: 50.940 ng

RT: 8.972 min Scan# 1001

Delta R.T. -0.012 min

Lab File: BG064625.D

Acq: 29 Oct 2025 16:12

Tgt Ion: 107 Resp: 114937

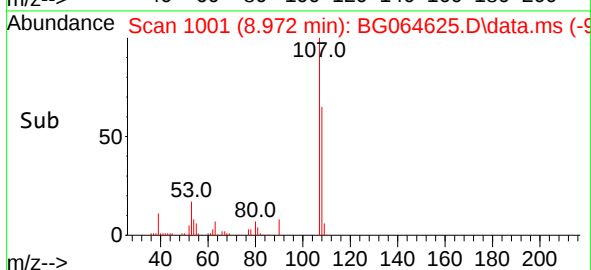
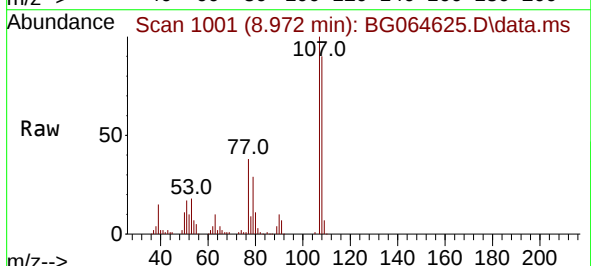
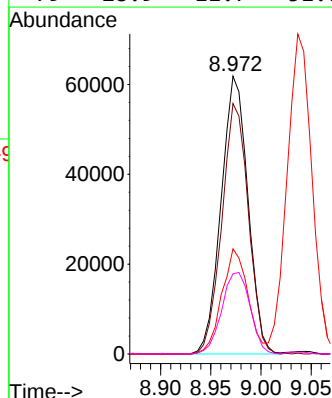
Ion Ratio Lower Upper

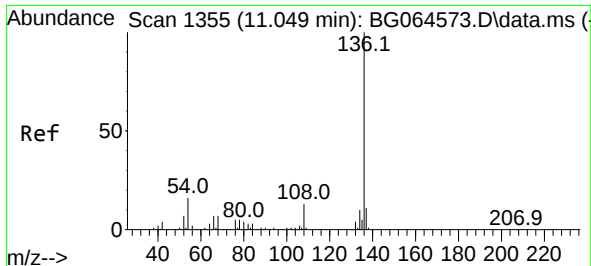
107 100

108 90.1 70.3 110.3

77 37.8 14.6 54.6

79 28.9 11.7 51.7

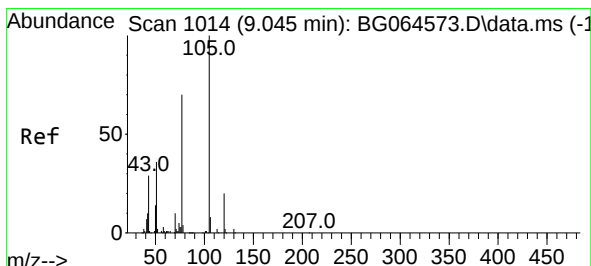
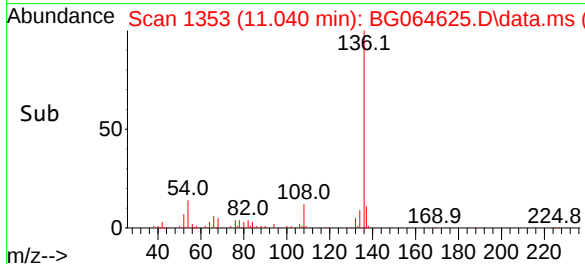
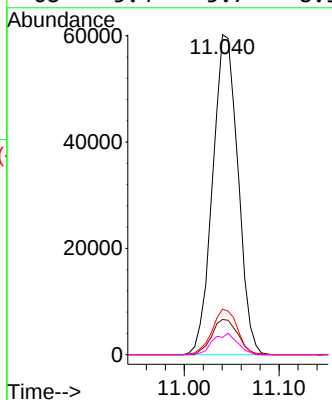
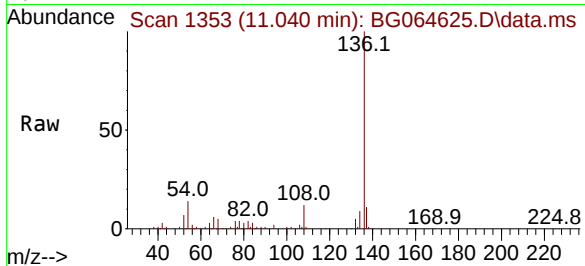




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.040 min Scan# 111664
Delta R.T. -0.012 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

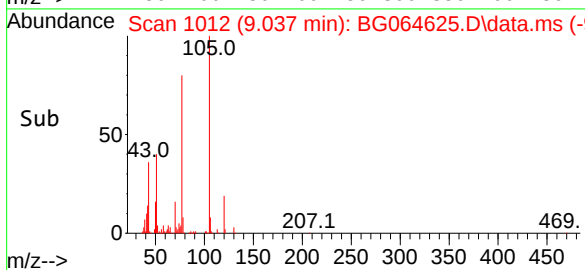
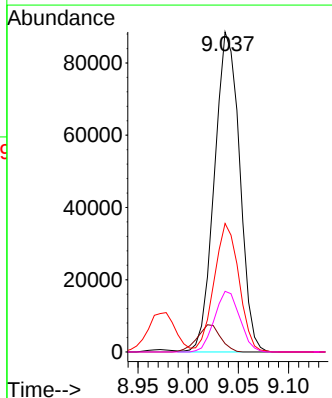
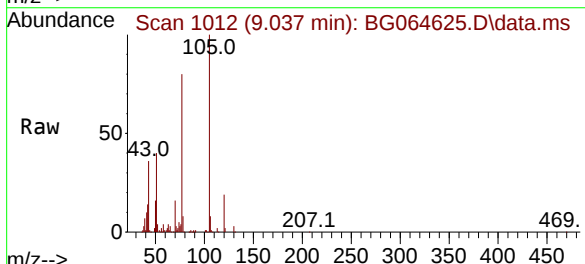
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD

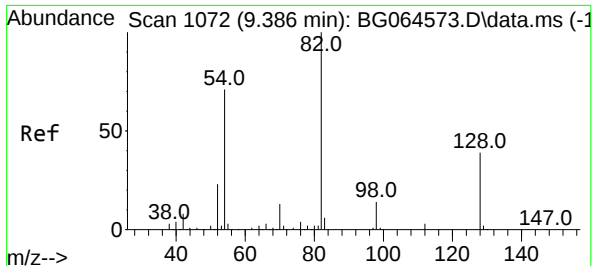
Tgt Ion:	136	Resp:	111664
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	14.3	12.6	19.0
68	5.4	5.7	8.5#



#22
Acetophenone
Concen: 50.685 ng
RT: 9.037 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

Tgt Ion:	105	Resp:	154714
Ion	Ratio	Lower	Upper
105	100		
71	2.6	1.5	2.3#
51	40.2	33.7	50.5
120	18.9	16.1	24.1





#23

Nitrobenzene-d5

Concen: 63.274 ng

RT: 9.377 min Scan# 1070

Delta R.T. -0.013 min

Lab File: BG064625.D

Acq: 29 Oct 2025 16:12

Instrument :

BNA_G

ClientSampleId :

SOUTH-MAHWAH-SOILMSD

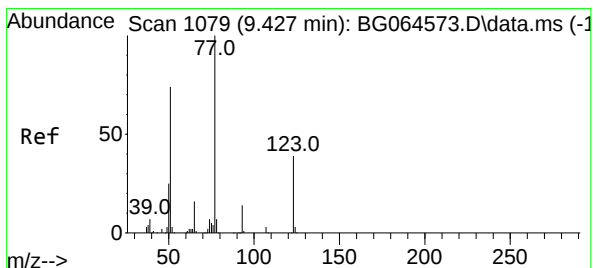
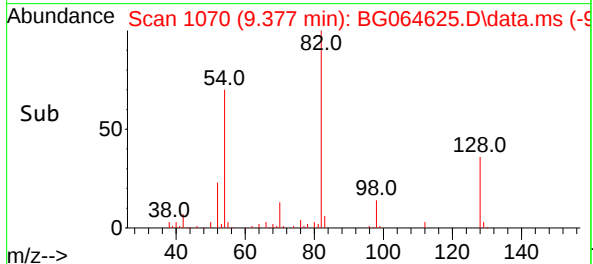
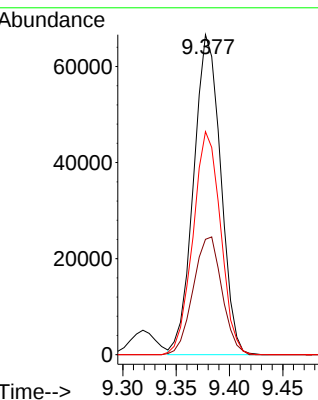
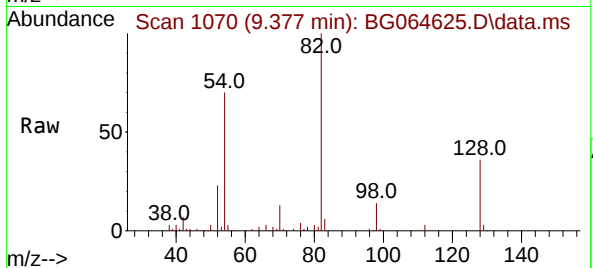
Tgt Ion: 82 Resp: 117635

Ion Ratio Lower Upper

82 100

128 36.1 31.3 46.9

54 69.7 56.6 84.8



#24

Nitrobenzene

Concen: 54.016 ng

RT: 9.424 min Scan# 1078

Delta R.T. -0.006 min

Lab File: BG064625.D

Acq: 29 Oct 2025 16:12

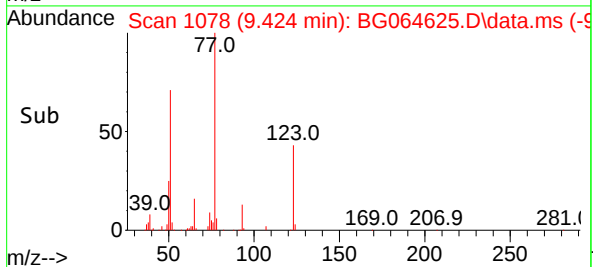
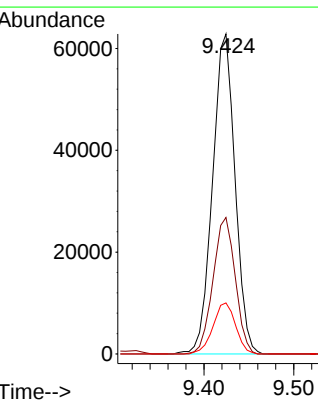
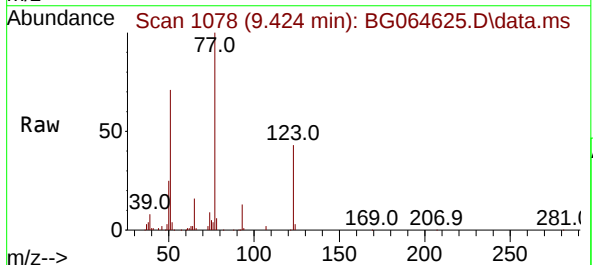
Tgt Ion: 77 Resp: 109225

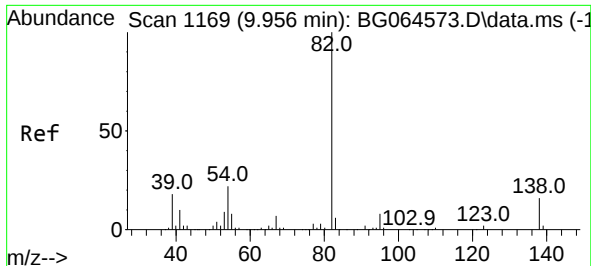
Ion Ratio Lower Upper

77 100

123 42.6 31.0 46.6

65 16.0 12.7 19.1

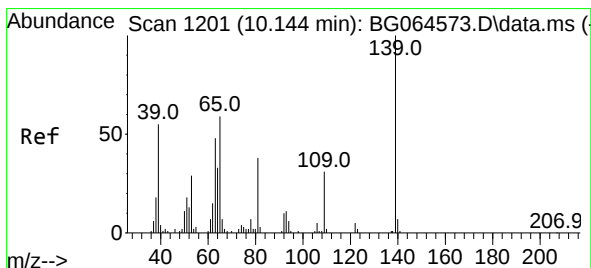
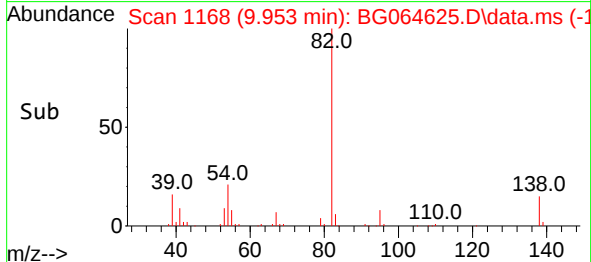
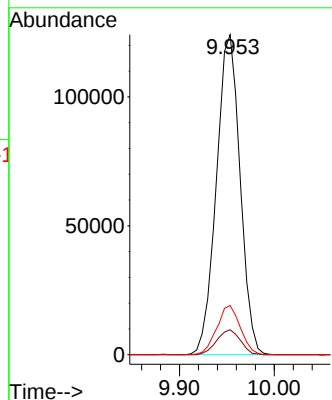
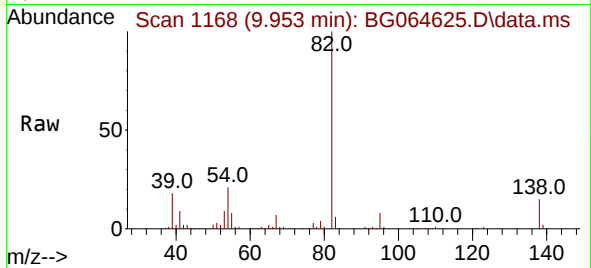




#25
Isophorone
Concen: 48.304 ng
RT: 9.953 min Scan# 1169
Delta R.T. -0.013 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

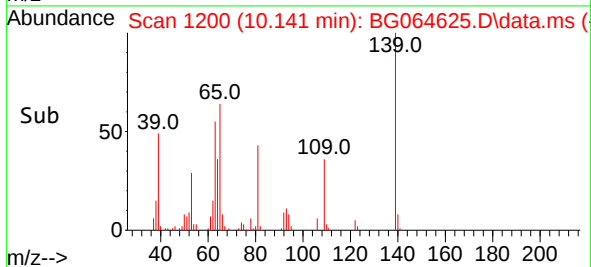
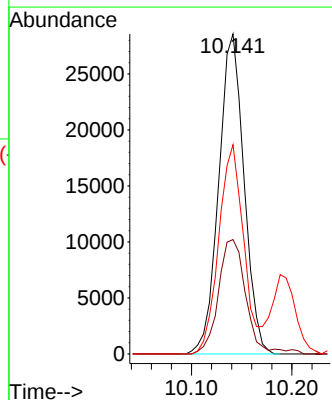
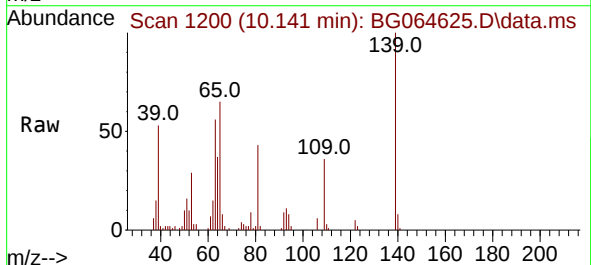
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD

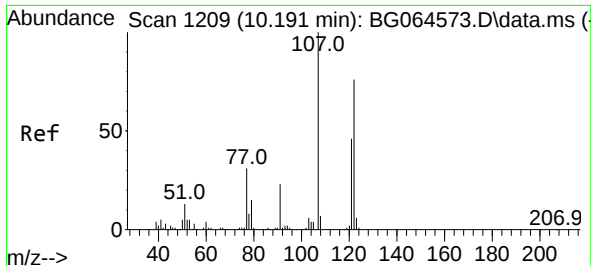
Tgt Ion: 82 Resp: 215487
Ion Ratio Lower Upper
82 100
95 7.8 6.1 9.1
138 15.4 13.0 19.4



#26
2-Nitrophenol
Concen: 62.987 ng
RT: 10.141 min Scan# 1200
Delta R.T. -0.007 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

Tgt Ion:139 Resp: 49958
Ion Ratio Lower Upper
139 100
109 35.7 24.6 37.0
65 65.4 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 56.659 ng

RT: 10.194 min Scan# 1209

Delta R.T. -0.001 min

Lab File: BG064625.D

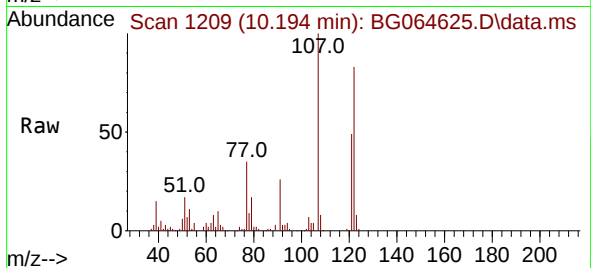
Acq: 29 Oct 2025 16:12

Instrument :

BNA_G

ClientSampleId :

SOUTH-MAHWAH-SOILMSD



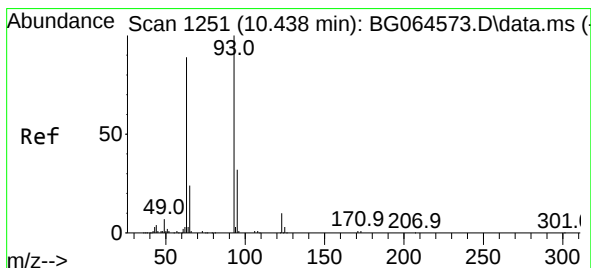
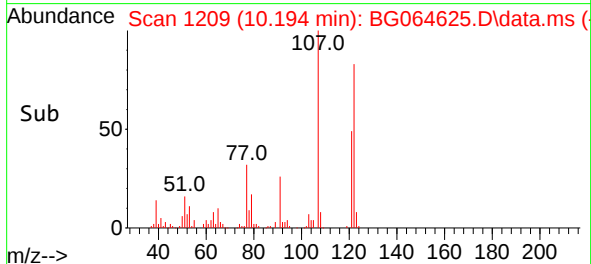
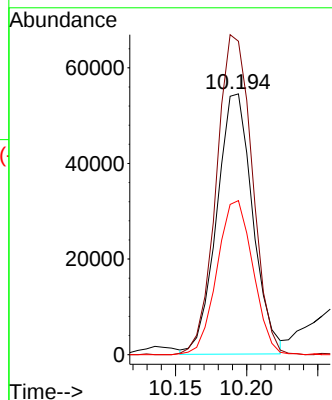
Tgt Ion:122 Resp: 95902

Ion Ratio Lower Upper

122 100

107 120.1 103.0 154.4

121 59.1 47.8 71.8



#28

bis(2-Chloroethoxy)methane

Concen: 46.809 ng

RT: 10.429 min Scan# 1249

Delta R.T. -0.006 min

Lab File: BG064625.D

Acq: 29 Oct 2025 16:12

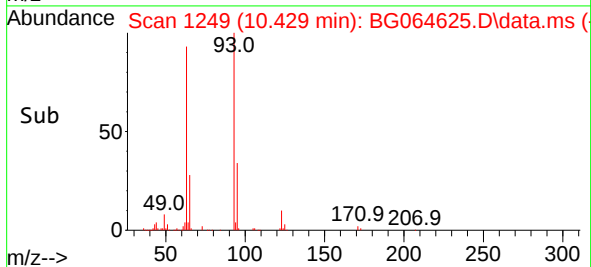
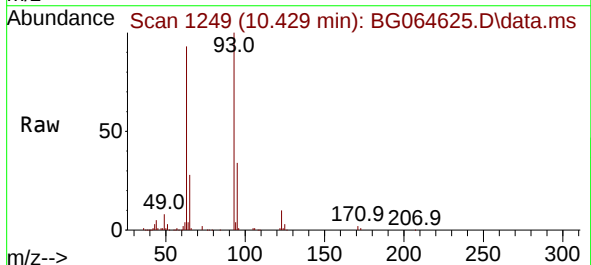
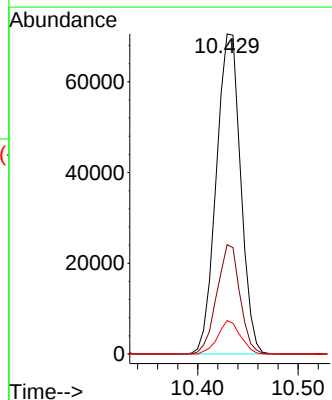
Tgt Ion: 93 Resp: 118895

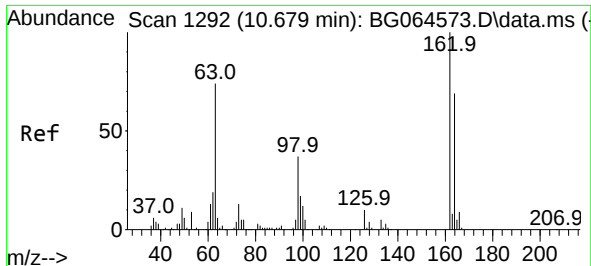
Ion Ratio Lower Upper

93 100

95 34.2 25.4 38.2

123 10.5 8.4 12.6





#29

2,4-Dichlorophenol

Concen: 54.650 ng

RT: 10.682 min Scan# 1

Delta R.T. -0.001 min

Lab File: BG064625.D

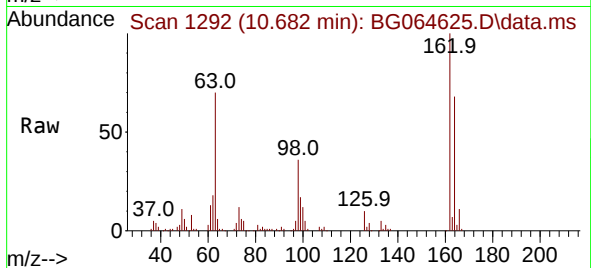
Acq: 29 Oct 2025 16:12

Instrument :

BNA_G

ClientSampleId :

SOUTH-MAHWAH-SOILMSD



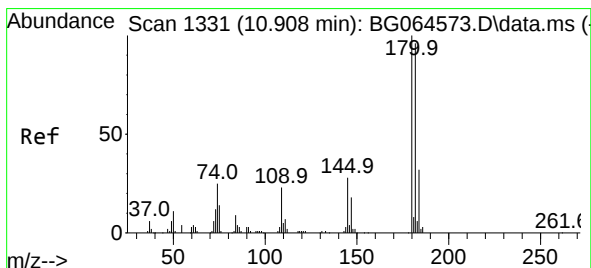
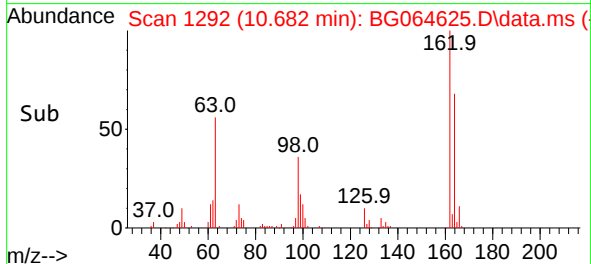
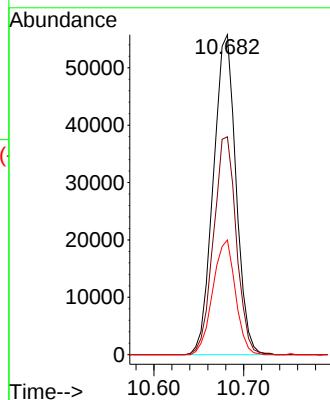
Tgt Ion:162 Resp: 97596

Ion Ratio Lower Upper

162 100

164 68.1 48.7 88.7

98 35.9 16.9 56.9



#30

1,2,4-Trichlorobenzene

Concen: 52.021 ng

RT: 10.905 min Scan# 1330

Delta R.T. -0.001 min

Lab File: BG064625.D

Acq: 29 Oct 2025 16:12

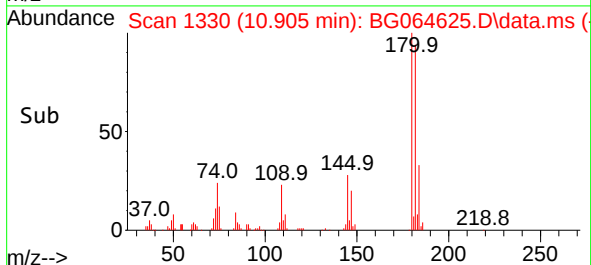
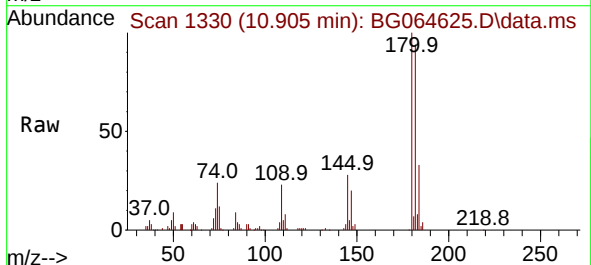
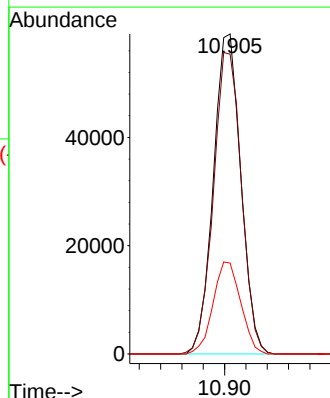
Tgt Ion:180 Resp: 105553

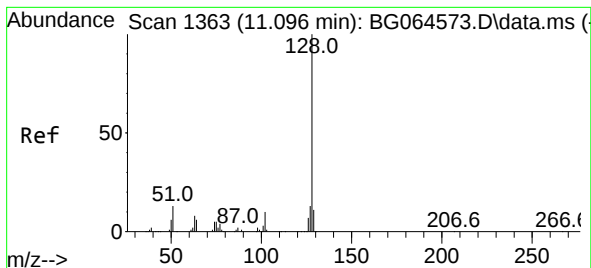
Ion Ratio Lower Upper

180 100

182 93.7 76.9 115.3

145 28.4 22.1 33.1

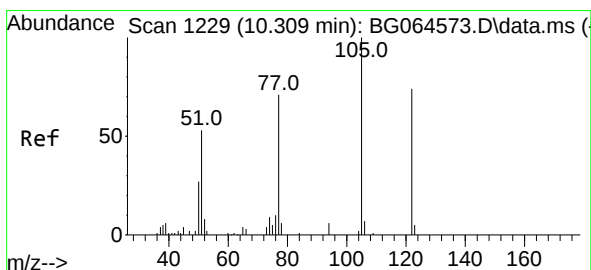
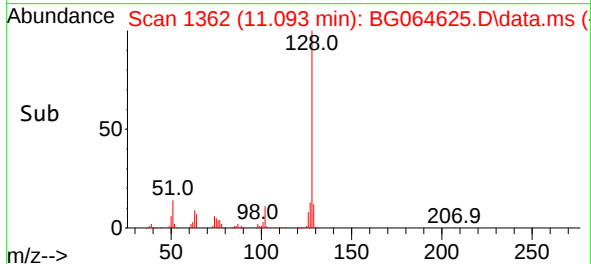
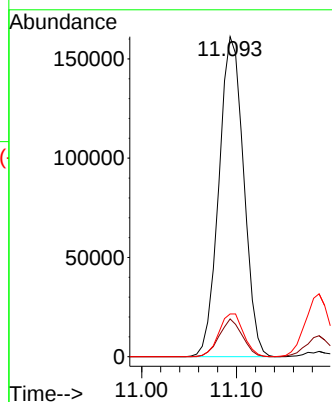
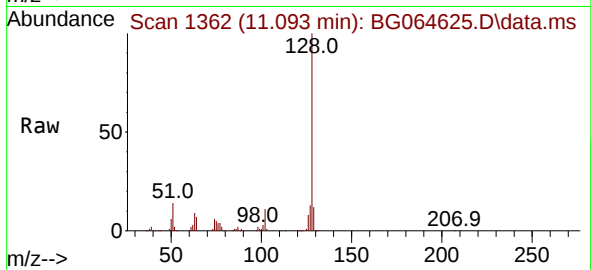




#31
Naphthalene
Concen: 47.268 ng
RT: 11.093 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

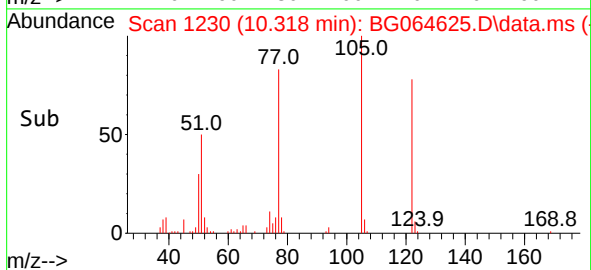
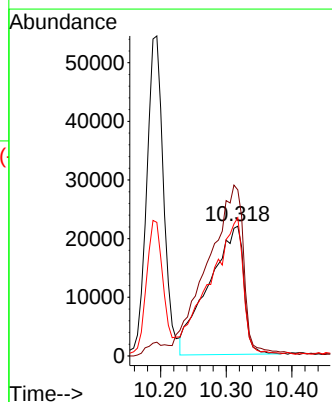
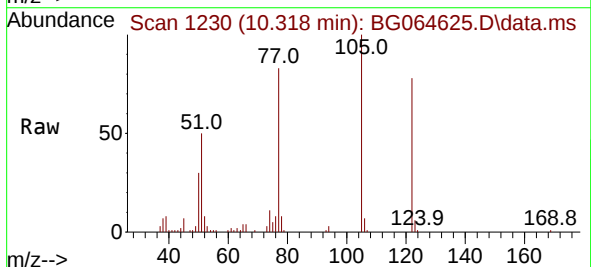
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD

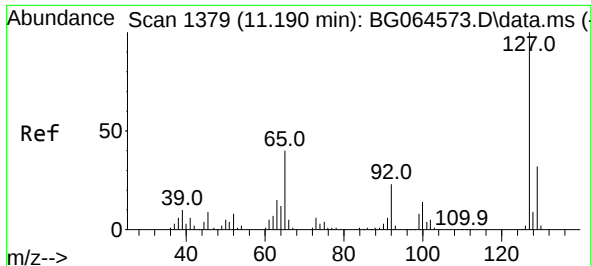
Tgt Ion:128 Resp: 292640
Ion Ratio Lower Upper
128 100
129 11.8 8.8 13.2
127 13.3 10.6 15.8



#32
Benzoic acid
Concen: 63.521 ng
RT: 10.318 min Scan# 1230
Delta R.T. -0.024 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

Tgt Ion:122 Resp: 80695
Ion Ratio Lower Upper
122 100
105 128.0 104.2 144.2
77 106.5 70.2 110.2

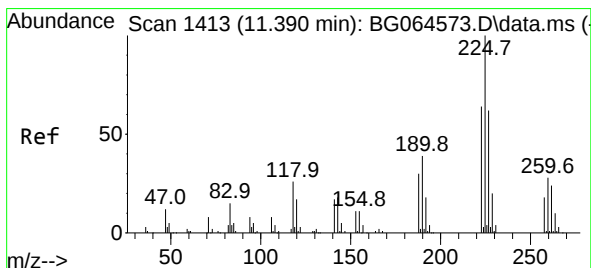
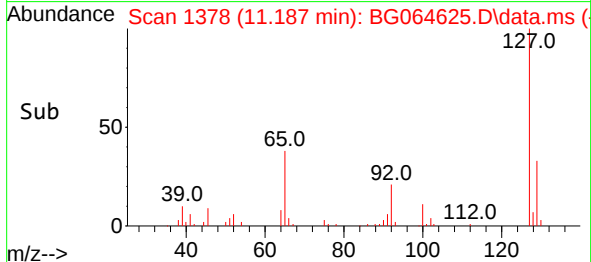
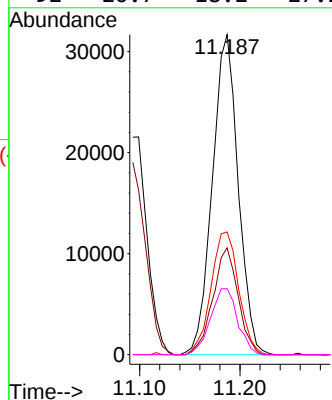
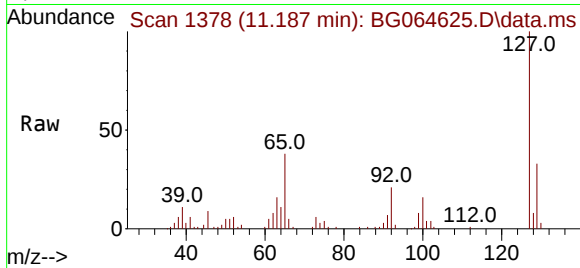




#33
4-Chloroaniline
Concen: 23.547 ng
RT: 11.187 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

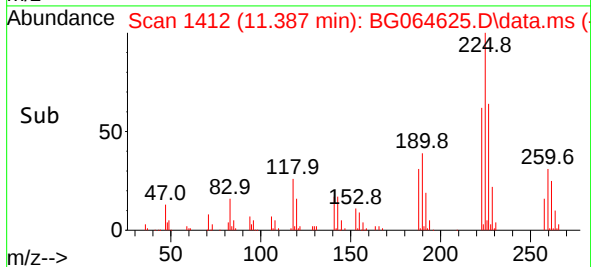
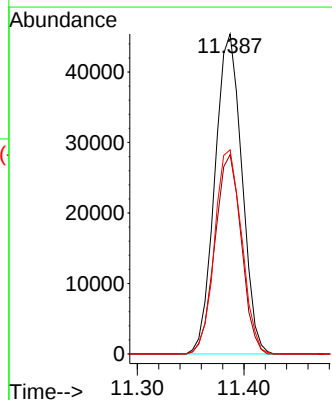
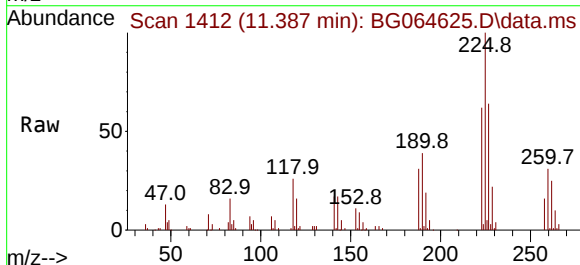
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD

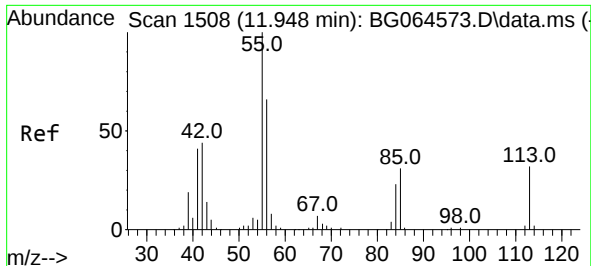
Tgt Ion:	127	Resp:	56662
Ion	Ratio	Lower	Upper
127	100		
129	33.4	25.5	38.3
65	38.3	32.2	48.4
92	20.7	18.2	27.2



#34
Hexachlorobutadiene
Concen: 50.315 ng
RT: 11.387 min Scan# 1412
Delta R.T. -0.006 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

Tgt Ion:	225	Resp:	79841
Ion	Ratio	Lower	Upper
225	100		
223	64.9	48.8	73.2
227	63.8	49.5	74.3

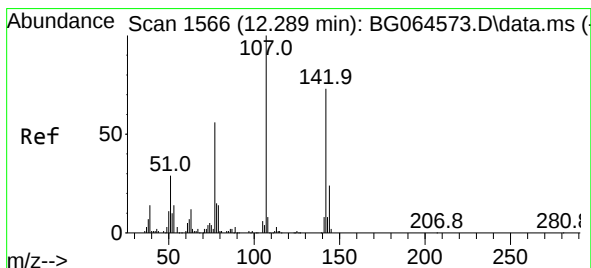
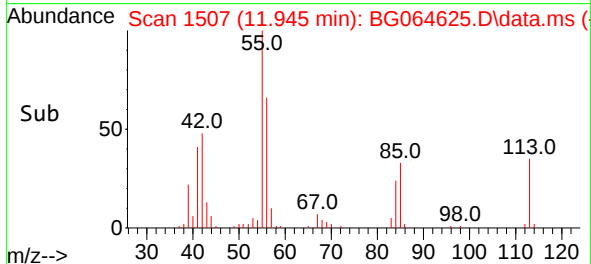
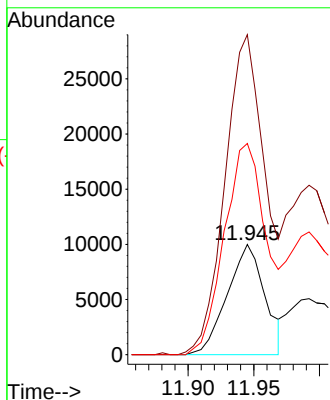
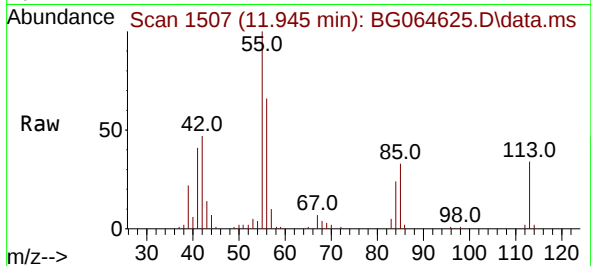




#35
 Caprolactam
 Concen: 28.987 ng
 RT: 11.945 min Scan# 11
 Delta R.T. -0.030 min
 Lab File: BG064625.D
 Acq: 29 Oct 2025 16:12

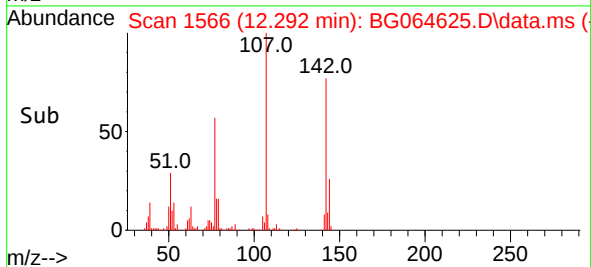
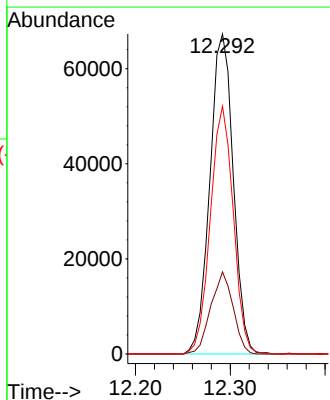
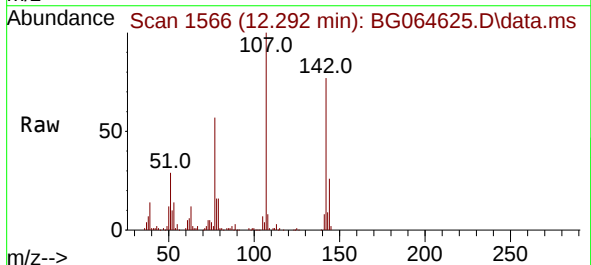
Instrument :
 BNA_G
 ClientSampleId :
 SOUTH-MAHWAH-SOILMSD

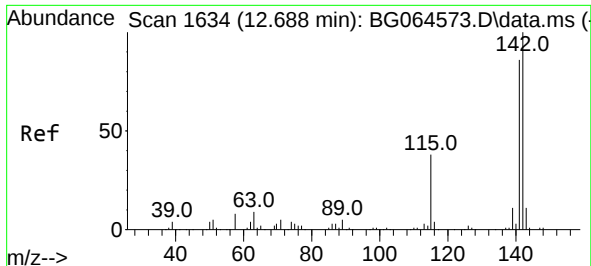
Tgt Ion:113 Resp: 19854
 Ion Ratio Lower Upper
 113 100
 55 290.3 290.1 330.1
 56 191.7 183.8 223.8



#36
 4-Chloro-3-methylphenol
 Concen: 53.801 ng
 RT: 12.292 min Scan# 1566
 Delta R.T. -0.006 min
 Lab File: BG064625.D
 Acq: 29 Oct 2025 16:12

Tgt Ion:107 Resp: 115489
 Ion Ratio Lower Upper
 107 100
 144 25.7 19.1 28.7
 142 77.5 58.6 87.8





#37

2-Methylnaphthalene

Concen: 44.103 ng

RT: 12.685 min Scan# 1

Delta R.T. -0.006 min

Lab File: BG064625.D

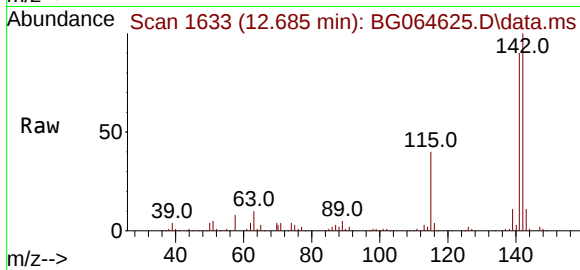
Acq: 29 Oct 2025 16:12

Instrument :

BNA_G

ClientSampleId :

SOUTH-MAHWAH-SOILMSD



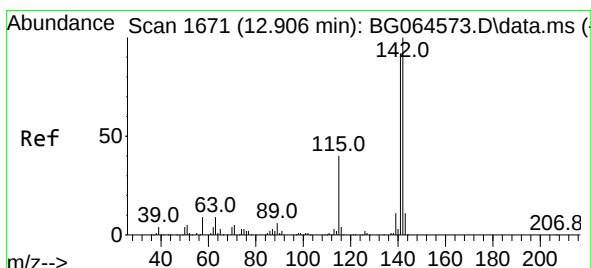
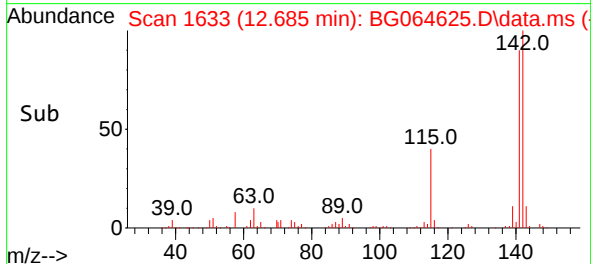
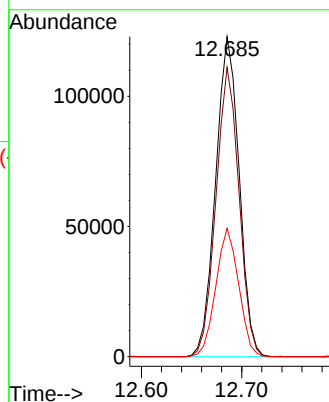
Tgt Ion:142 Resp: 200463

Ion Ratio Lower Upper

142 100

141 90.4 68.9 103.3

115 40.1 30.6 46.0



#38

1-Methylnaphthalene

Concen: 44.821 ng

RT: 12.685 min Scan# 1633

Delta R.T. -0.224 min

Lab File: BG064625.D

Acq: 29 Oct 2025 16:12

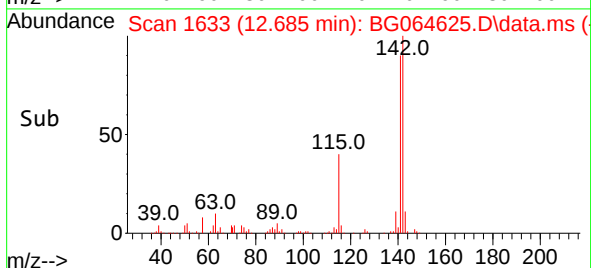
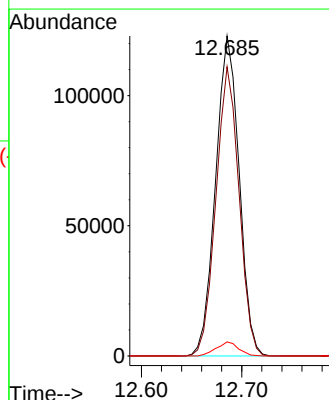
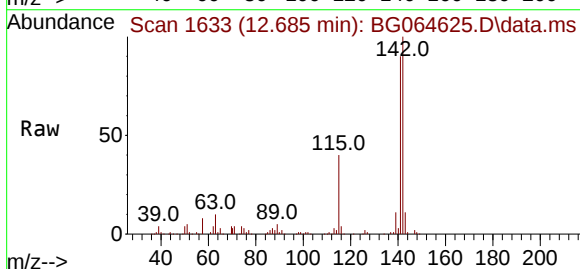
Tgt Ion:142 Resp: 200463

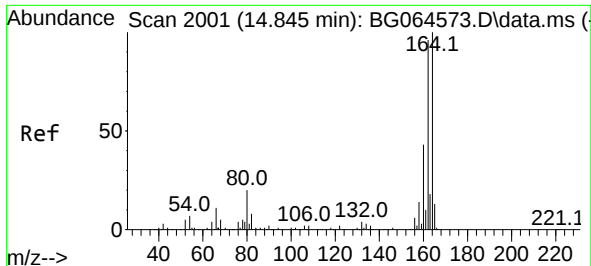
Ion Ratio Lower Upper

142 100

141 90.4 73.3 109.9

116 4.4 3.1 4.7

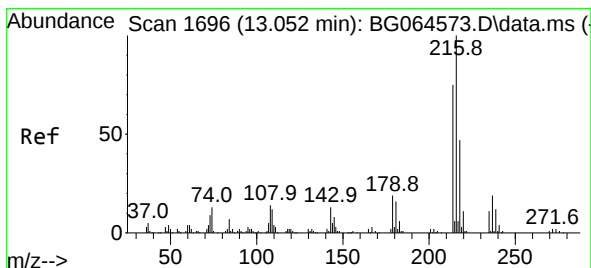
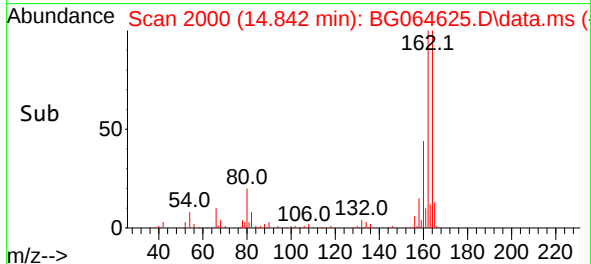
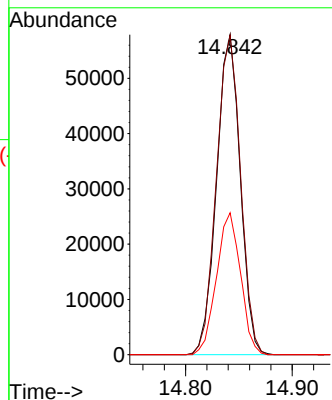
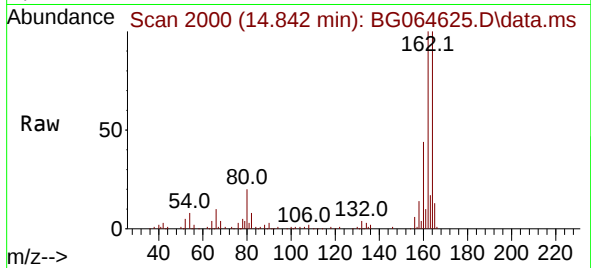




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.842 min Scan# 20
Delta R.T. -0.001 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

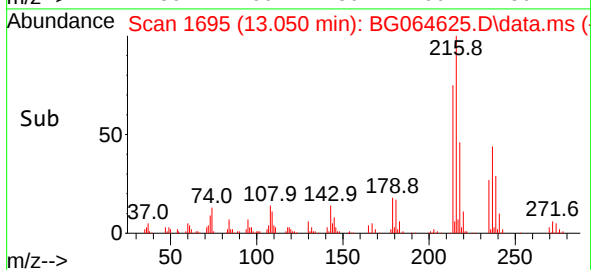
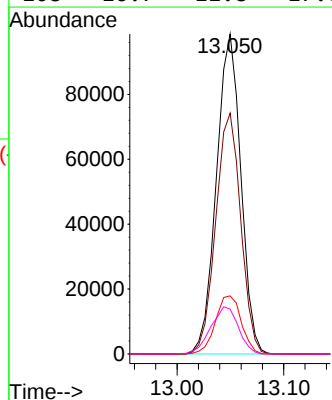
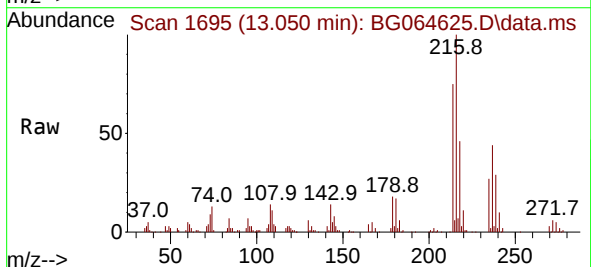
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD

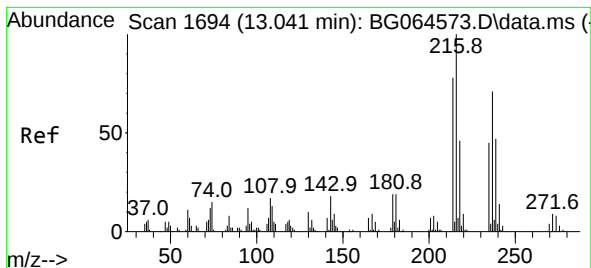
Tgt Ion:164 Resp: 89012
Ion Ratio Lower Upper
164 100
162 99.8 77.0 115.6
160 44.4 34.4 51.6



#40
1,2,4,5-Tetrachlorobenzene
Concen: 52.526 ng
RT: 13.050 min Scan# 1695
Delta R.T. -0.006 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

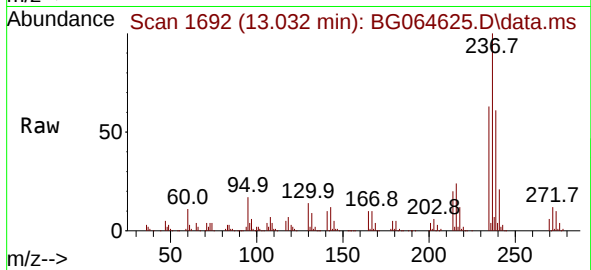
Tgt Ion:216 Resp: 156910
Ion Ratio Lower Upper
216 100
214 76.7 61.4 92.2
179 19.2 15.4 23.0
108 16.7 11.8 17.6



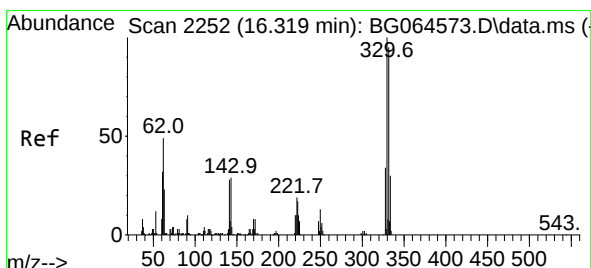
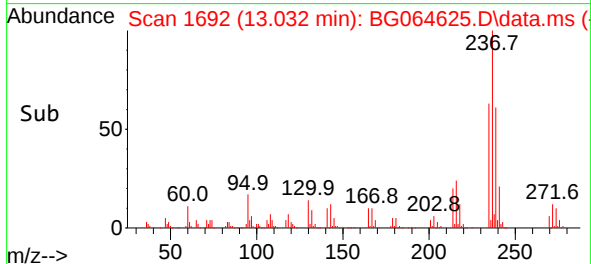
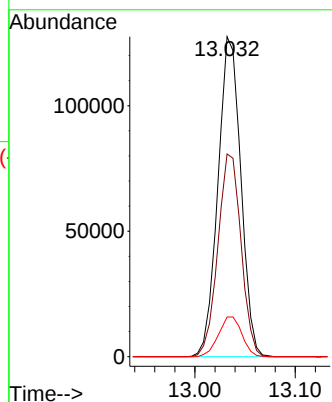


#41
Hexachlorocyclopentadiene
Concen: 149.915 ng
RT: 13.032 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD

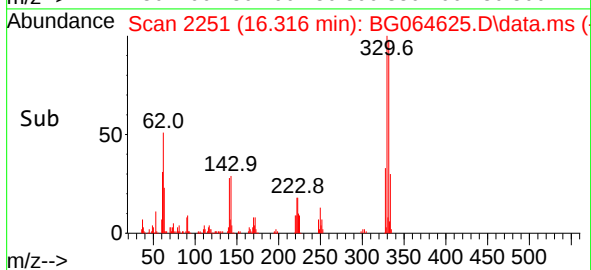
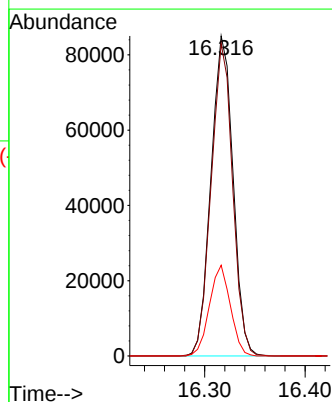
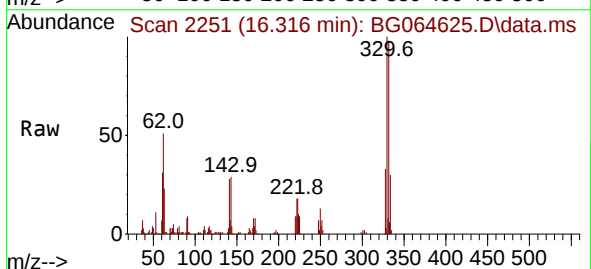


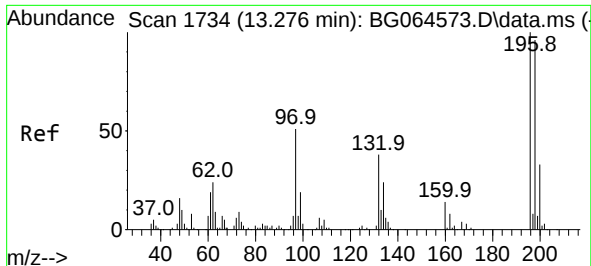
Tgt Ion:237 Resp: 201576
Ion Ratio Lower Upper
237 100
235 63.4 44.1 84.1
272 12.4 0.0 32.4



#42
2,4,6-Tribromophenol
Concen: 100.827 ng
RT: 16.316 min Scan# 2251
Delta R.T. -0.007 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

Tgt Ion:330 Resp: 129534
Ion Ratio Lower Upper
330 100
332 94.9 78.0 117.0
141 26.9 21.8 32.6

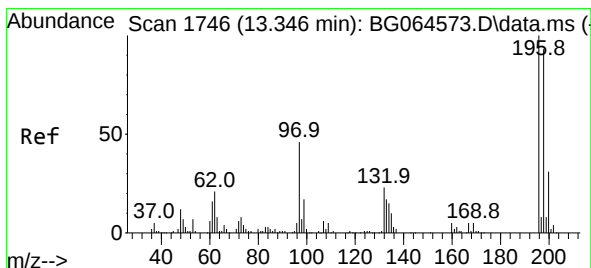
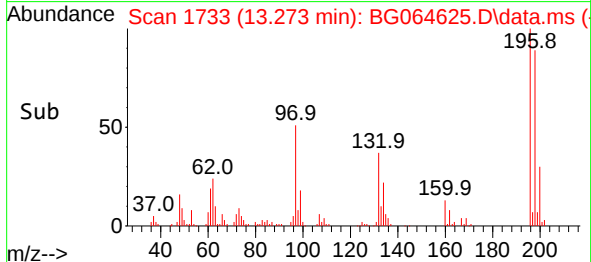
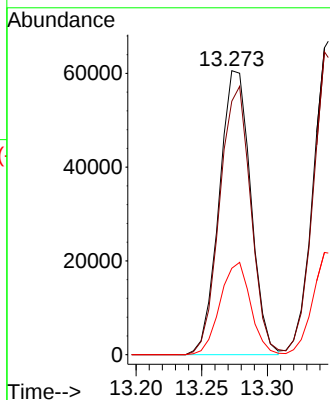
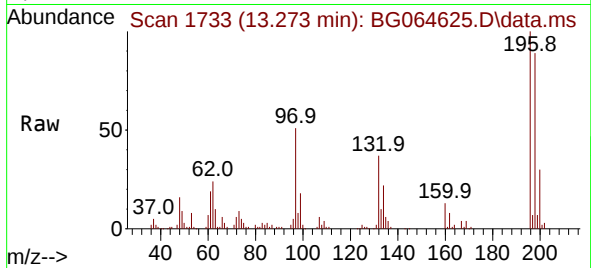




#43
2,4,6-Trichlorophenol
Concen: 59.160 ng
RT: 13.273 min Scan# 1733
Delta R.T. -0.006 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

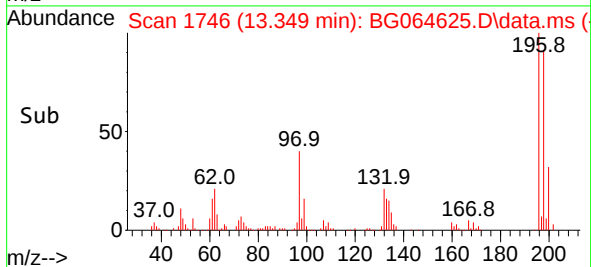
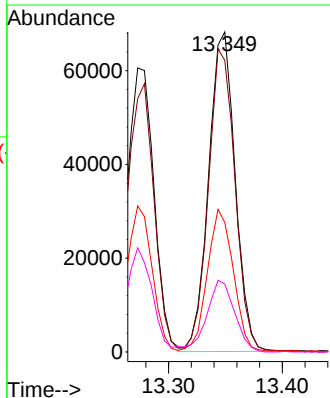
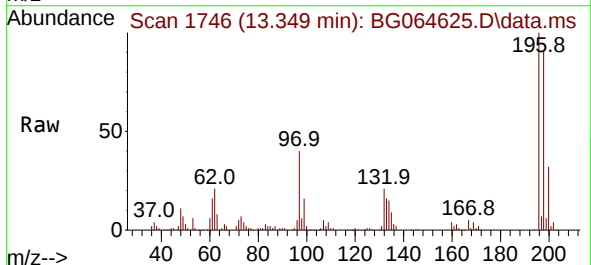
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD

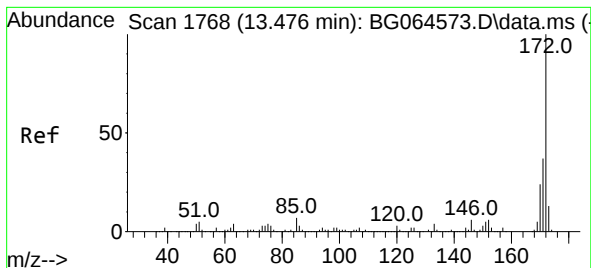
Tgt Ion:196 Resp: 101091
Ion Ratio Lower Upper
196 100
198 89.2 76.6 115.0
200 30.4 26.0 39.0



#44
2,4,5-Trichlorophenol
Concen: 56.094 ng
RT: 13.349 min Scan# 1746
Delta R.T. -0.001 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

Tgt Ion:196 Resp: 110612
Ion Ratio Lower Upper
196 100
198 91.1 74.2 111.4
97 40.5 37.0 55.6
132 21.2 18.5 27.7

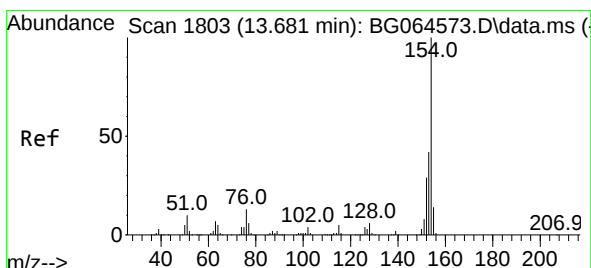
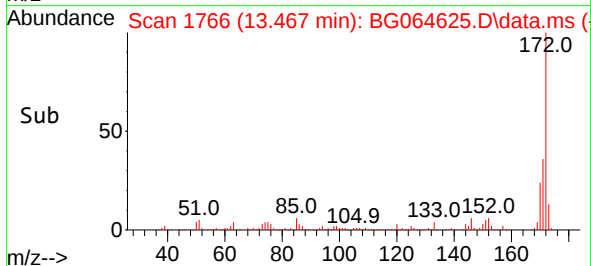
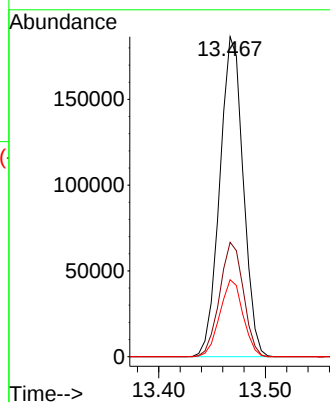
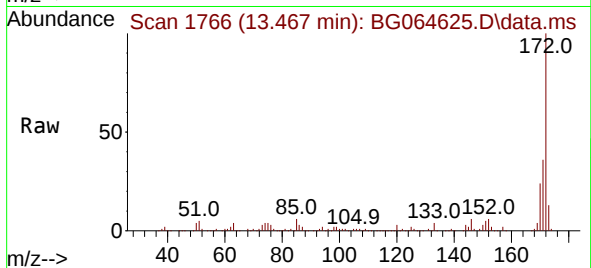




#45
2-Fluorobiphenyl
Concen: 48.500 ng
RT: 13.467 min Scan# 1766
Delta R.T. -0.012 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

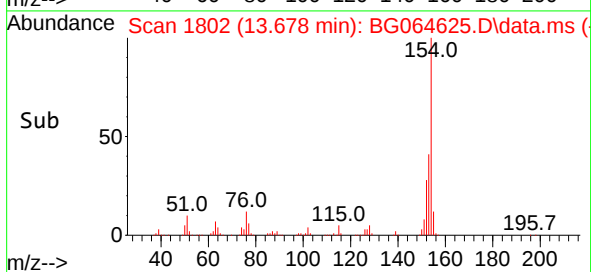
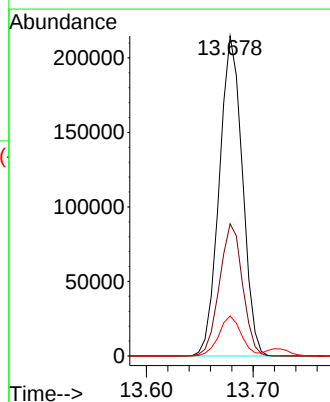
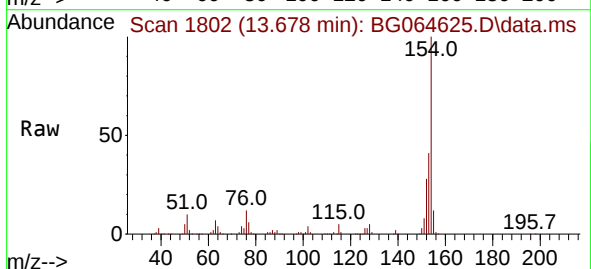
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD

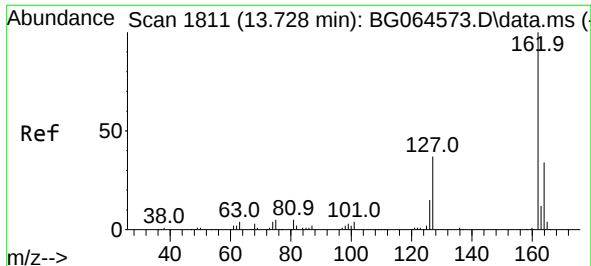
Tgt Ion:172 Resp: 284818
Ion Ratio Lower Upper
172 100
171 35.7 29.4 44.0
170 24.1 19.1 28.7



#46
1,1'-Biphenyl
Concen: 51.013 ng
RT: 13.678 min Scan# 1802
Delta R.T. -0.006 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

Tgt Ion:154 Resp: 322816
Ion Ratio Lower Upper
154 100
153 41.3 22.4 62.4
76 12.5 0.0 33.5

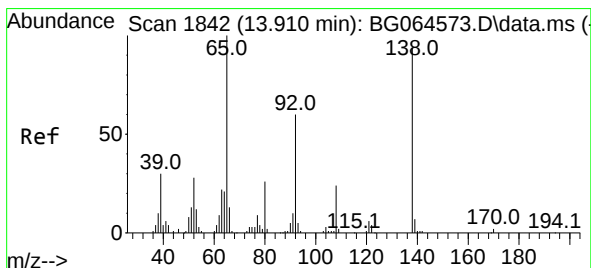
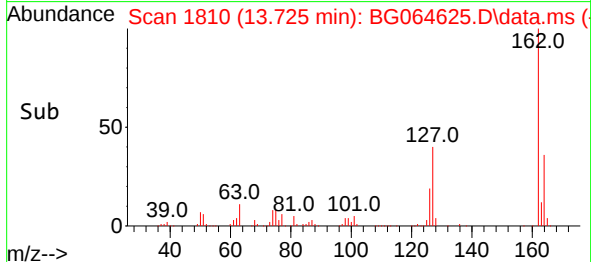
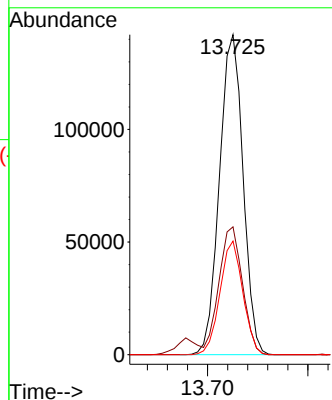
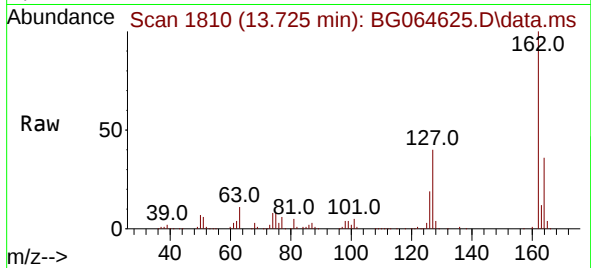




#47
2-Chloronaphthalene
Concen: 48.453 ng
RT: 13.725 min Scan# 1811
Delta R.T. -0.006 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

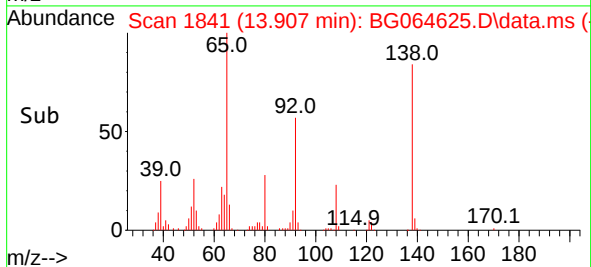
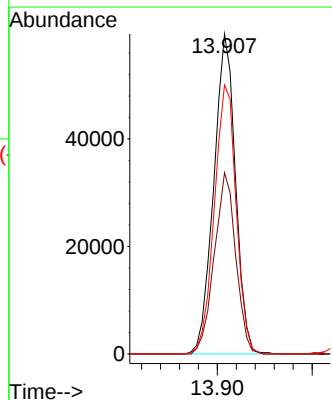
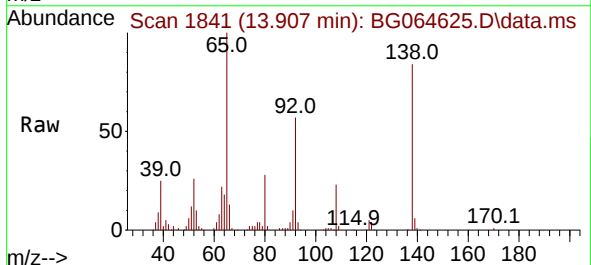
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD

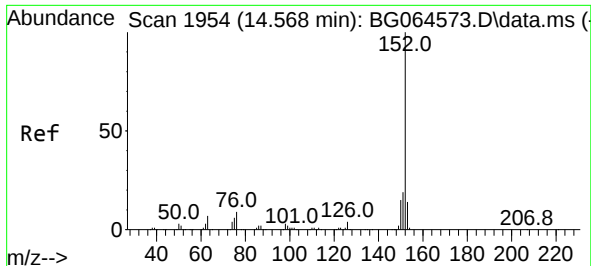
Tgt Ion:162 Resp: 231446
Ion Ratio Lower Upper
162 100
127 40.0 32.2 48.2
164 35.5 27.5 41.3



#48
2-Nitroaniline
Concen: 58.165 ng
RT: 13.907 min Scan# 1841
Delta R.T. -0.007 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

Tgt Ion: 65 Resp: 94445
Ion Ratio Lower Upper
65 100
92 56.6 48.3 72.5
138 84.1 74.9 112.3

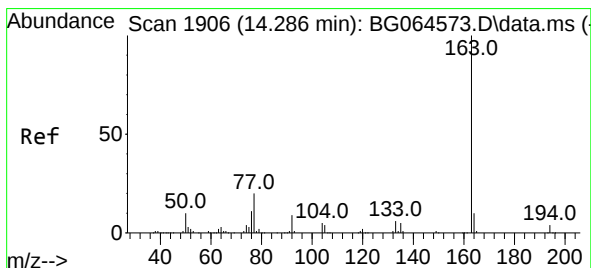
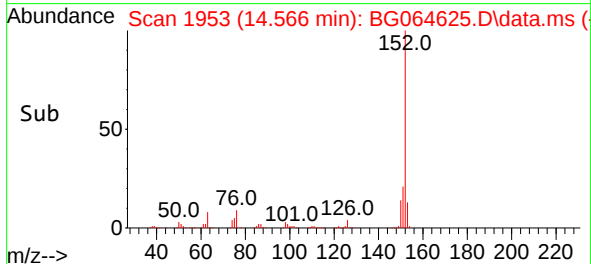
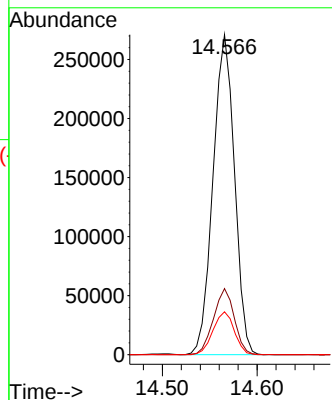
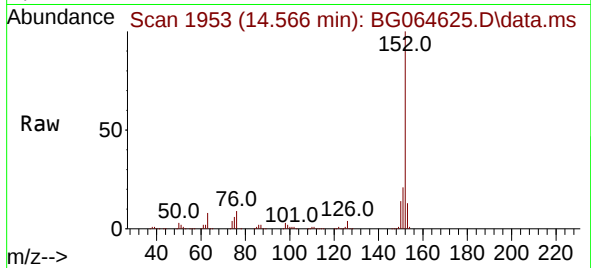




#49
Acenaphthylene
Concen: 56.517 ng
RT: 14.566 min Scan# 1954
Delta R.T. -0.001 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

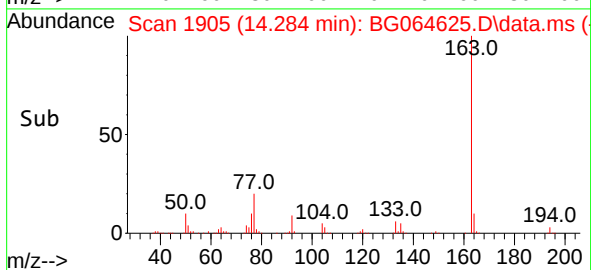
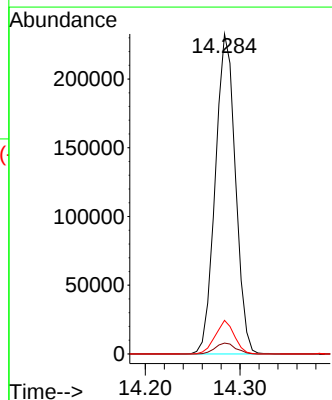
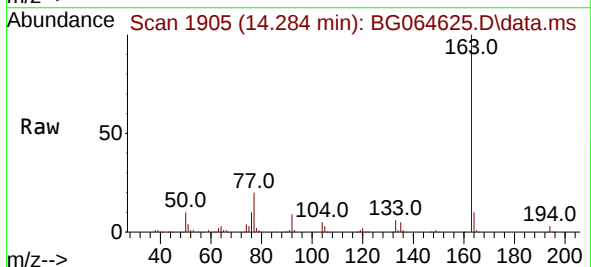
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD

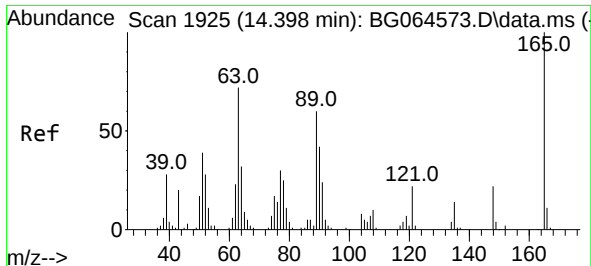
Tgt Ion:152 Resp: 425822
Ion Ratio Lower Upper
152 100
151 20.7 15.4 23.2
153 13.4 11.0 16.4



#50
Dimethylphthalate
Concen: 50.461 ng
RT: 14.284 min Scan# 1905
Delta R.T. -0.006 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

Tgt Ion:163 Resp: 343698
Ion Ratio Lower Upper
163 100
194 3.4 2.8 4.2
164 10.5 7.7 11.5

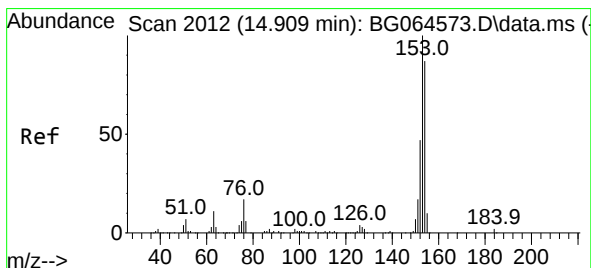
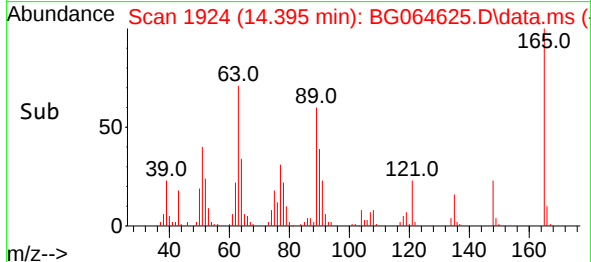
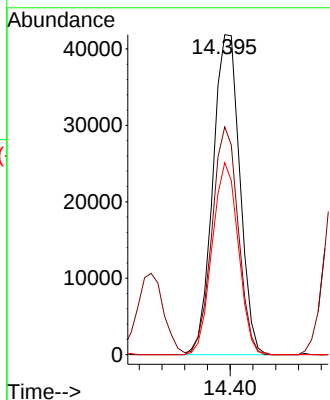
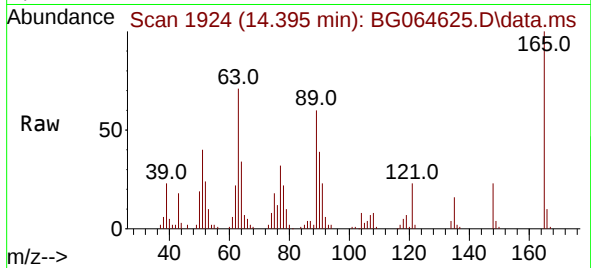




#51
2,6-Dinitrotoluene
Concen: 60.298 ng
RT: 14.395 min Scan# 1925
Delta R.T. -0.007 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

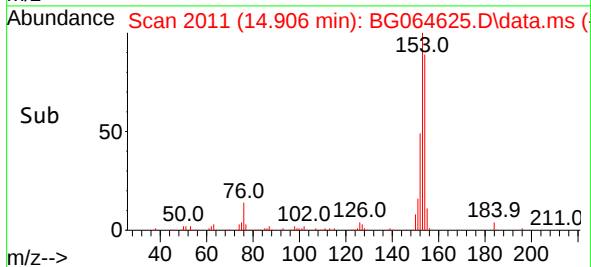
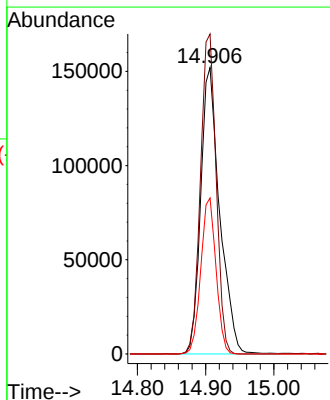
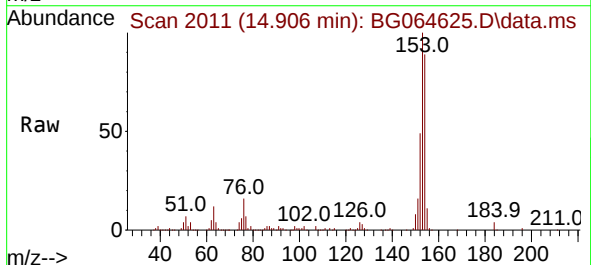
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD

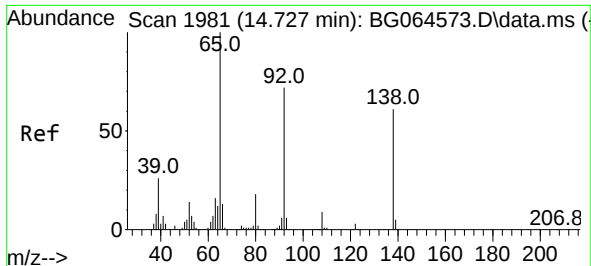
Tgt Ion:165 Resp: 68751
Ion Ratio Lower Upper
165 100
63 71.2 57.4 86.0
89 60.0 47.8 71.8



#52
Acenaphthene
Concen: 57.233 ng
RT: 14.906 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

Tgt Ion:154 Resp: 294610
Ion Ratio Lower Upper
154 100
153 111.7 92.2 138.4
152 54.5 43.2 64.8

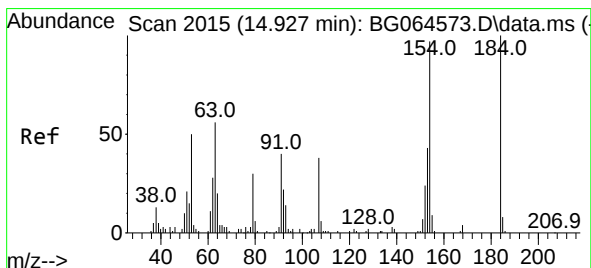
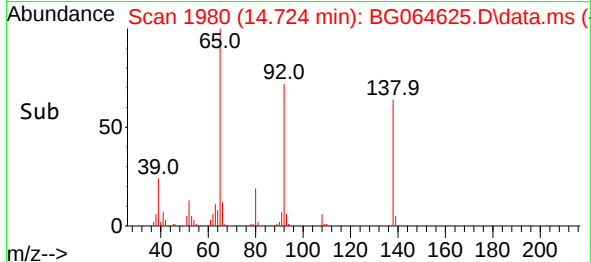
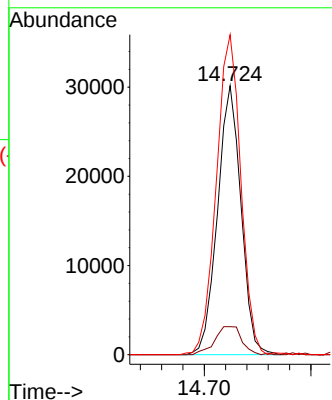
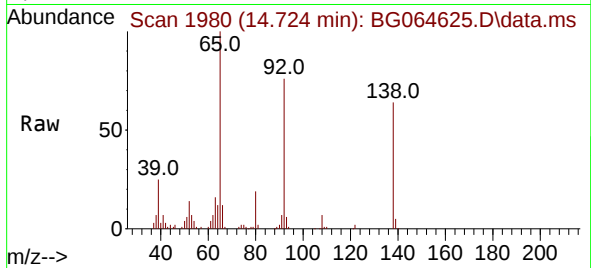




#53
3-Nitroaniline
Concen: 39.387 ng
RT: 14.724 min Scan# 1981
Delta R.T. -0.006 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

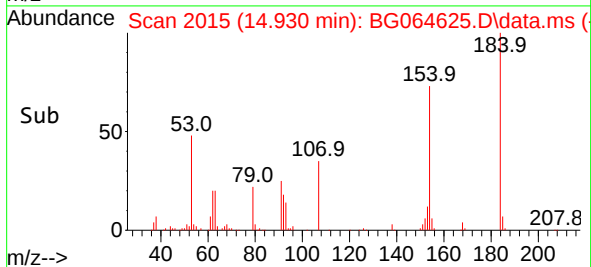
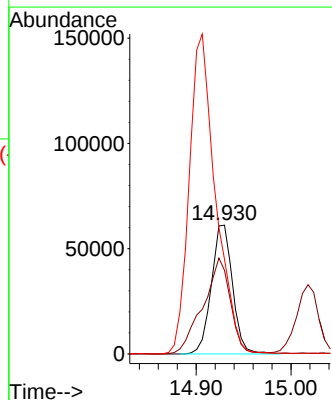
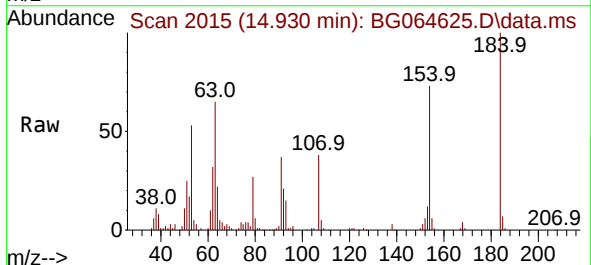
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD

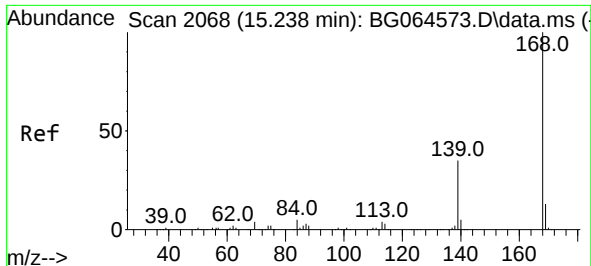
Tgt Ion:138 Resp: 46104
Ion Ratio Lower Upper
138 100
108 10.4 11.4 17.0#
92 119.0 95.3 142.9



#54
2,4-Dinitrophenol
Concen: 134.093 ng
RT: 14.930 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

Tgt Ion:184 Resp: 95267
Ion Ratio Lower Upper
184 100
63 64.9 56.6 85.0
154 73.5 158.6 238.0#

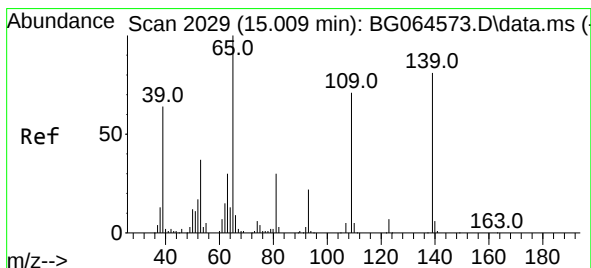
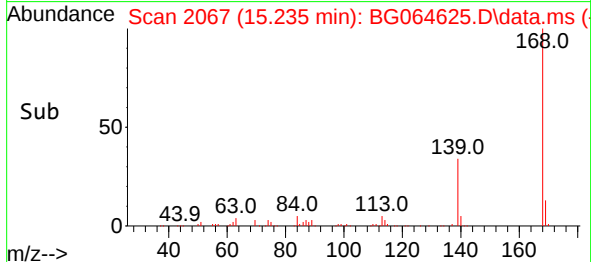
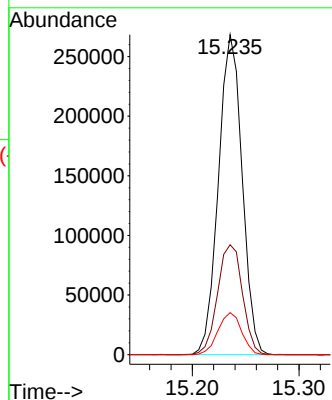
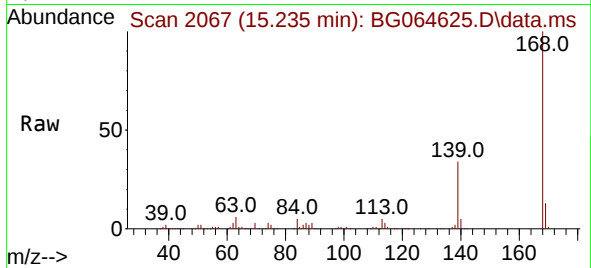




#55
Dibenzofuran
Concen: 49.657 ng
RT: 15.235 min Scan# 2067
Delta R.T. -0.006 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

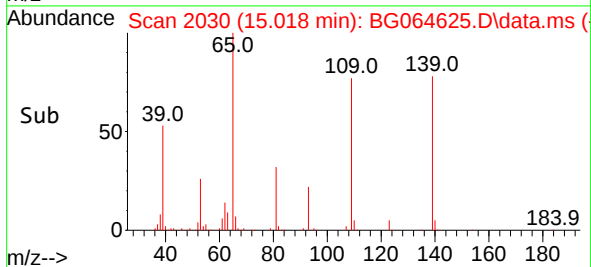
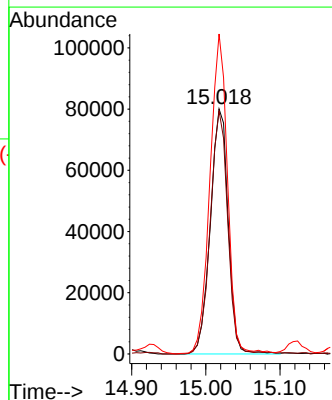
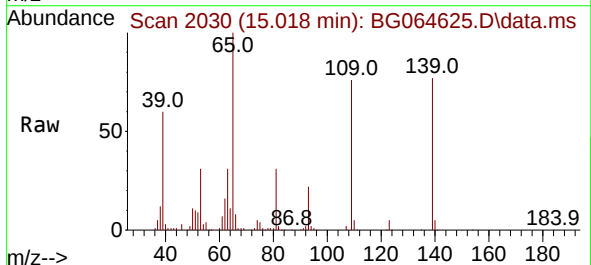
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD

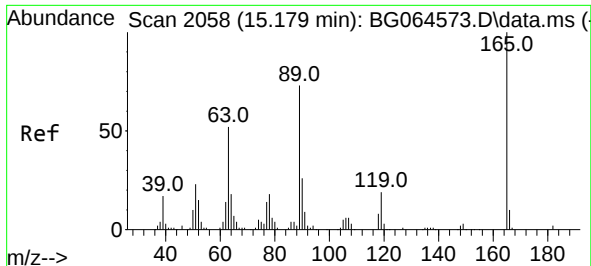
Tgt Ion:168 Resp: 413248
Ion Ratio Lower Upper
168 100
139 34.3 27.8 41.8
169 13.1 10.3 15.5



#56
4-Nitrophenol
Concen: 123.490 ng
RT: 15.018 min Scan# 2030
Delta R.T. -0.001 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

Tgt Ion:139 Resp: 134018
Ion Ratio Lower Upper
139 100
109 99.2 67.8 107.8
65 130.6 103.7 143.7





#57

2,4-Dinitrotoluene

Concen: 59.862 ng

RT: 15.177 min Scan# 2058

Delta R.T. -0.012 min

Lab File: BG064625.D

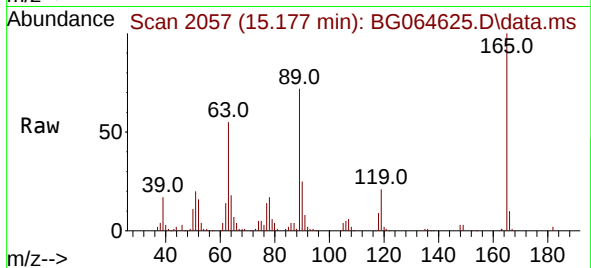
Acq: 29 Oct 2025 16:12

Instrument :

BNA_G

ClientSampleId :

SOUTH-MAHWAH-SOILMSD



Tgt Ion:165 Resp: 105418

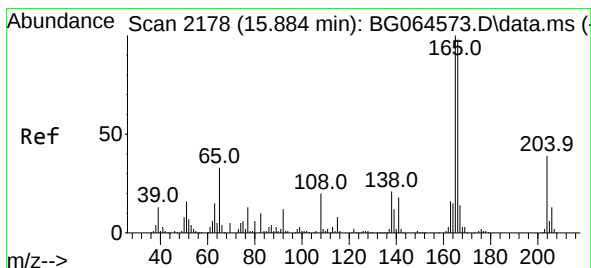
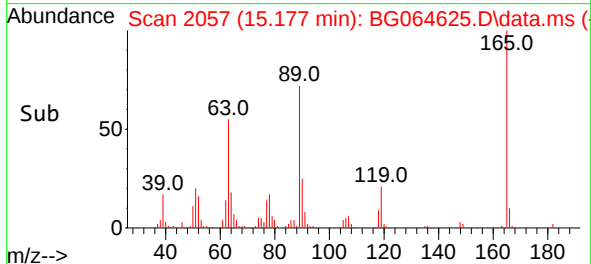
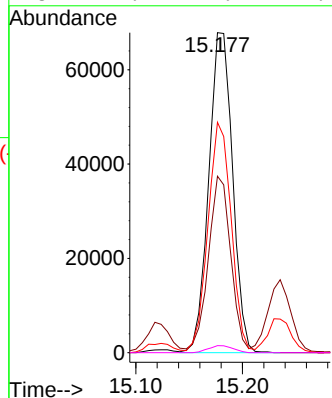
Ion Ratio Lower Upper

165 100

63 55.2 41.8 62.8

89 72.0 58.1 87.1

182 2.2 1.4 2.0#



#58

Fluorene

Concen: 50.151 ng

RT: 15.882 min Scan# 2177

Delta R.T. -0.006 min

Lab File: BG064625.D

Acq: 29 Oct 2025 16:12

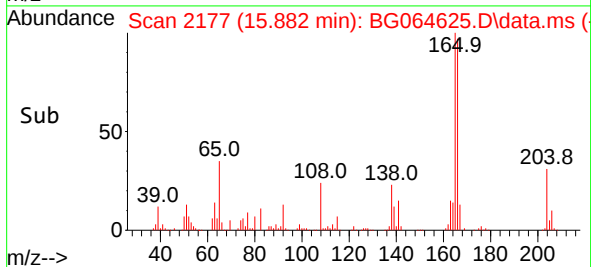
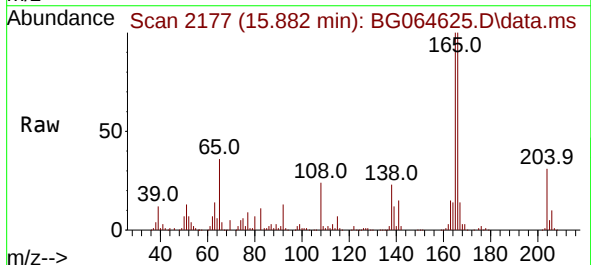
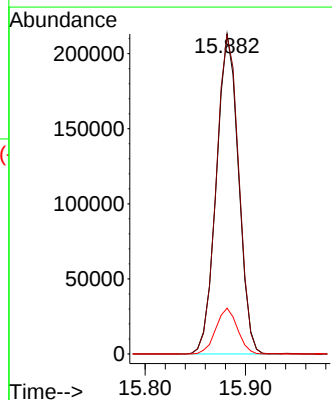
Tgt Ion:166 Resp: 325944

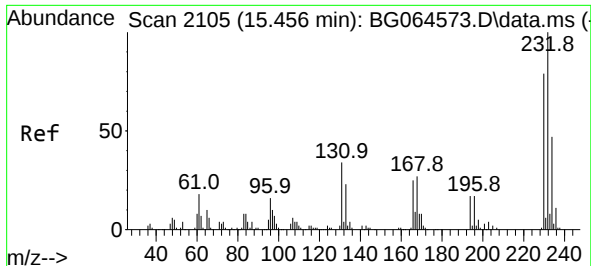
Ion Ratio Lower Upper

166 100

165 99.6 81.5 122.3

167 14.3 11.4 17.0

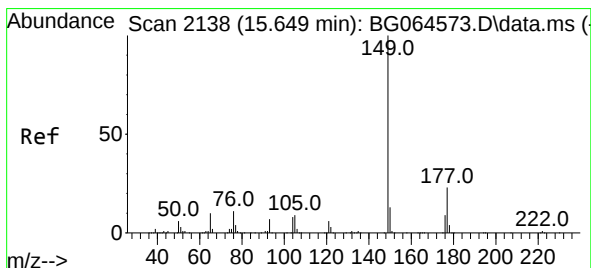
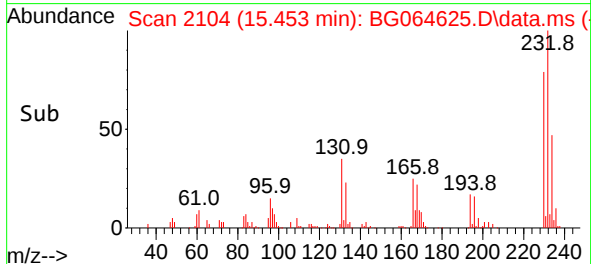
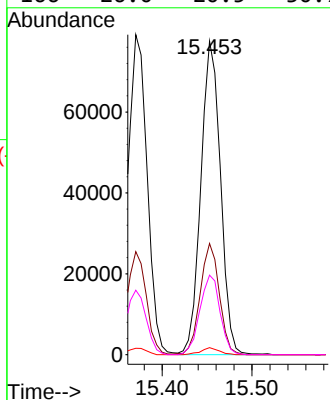
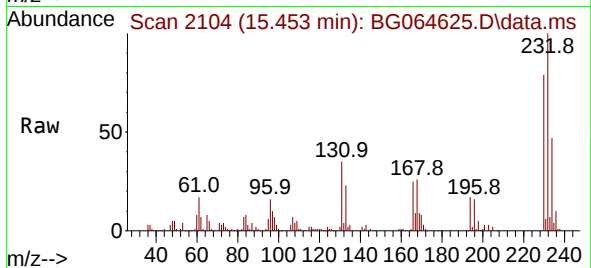




#59
2,3,4,6-Tetrachlorophenol
Concen: 62.511 ng
RT: 15.453 min Scan# 2104
Delta R.T. -0.006 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

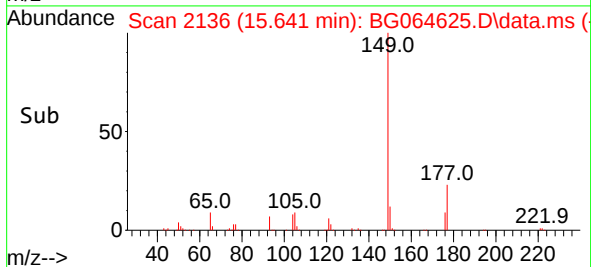
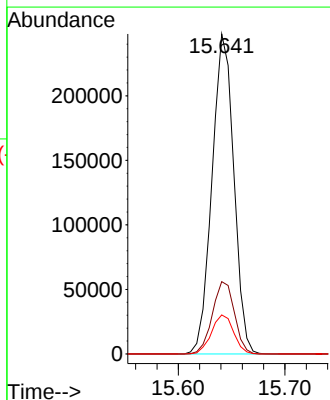
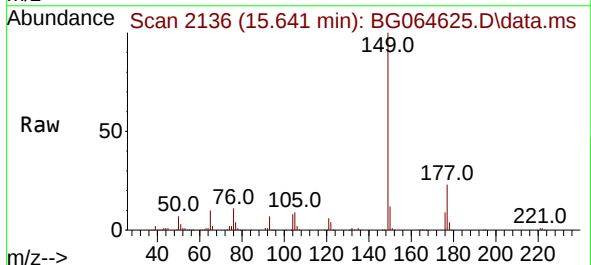
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD

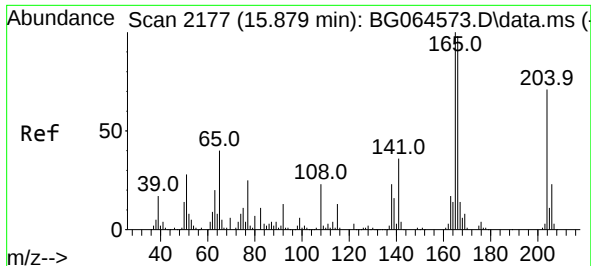
Tgt Ion:232 Resp: 117873
Ion Ratio Lower Upper
232 100
131 34.5 26.7 40.1
130 2.0 1.6 2.4
166 26.0 20.5 30.7



#60
Diethylphthalate
Concen: 50.558 ng
RT: 15.641 min Scan# 2136
Delta R.T. -0.012 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

Tgt Ion:149 Resp: 351613
Ion Ratio Lower Upper
149 100
177 22.6 18.0 27.0
150 12.2 10.2 15.4

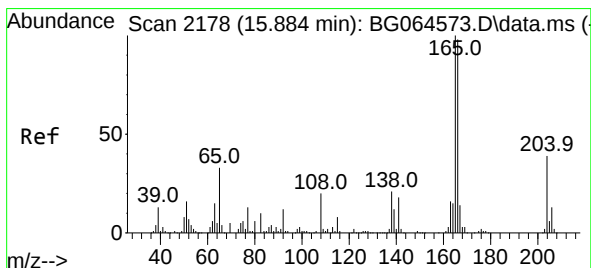
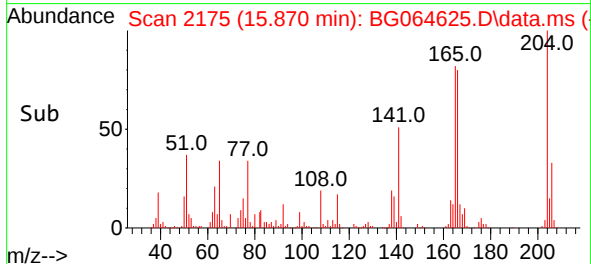
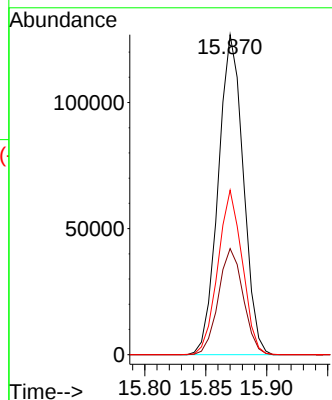
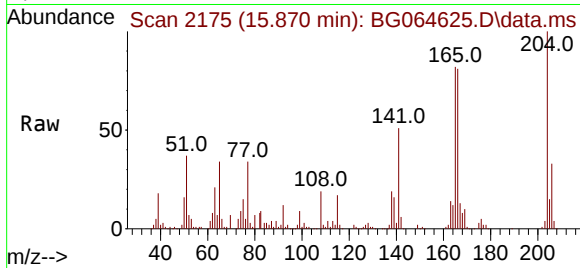




#61
4-Chlorophenyl-phenylether
Concen: 49.708 ng
RT: 15.870 min Scan# 2175
Delta R.T. -0.006 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

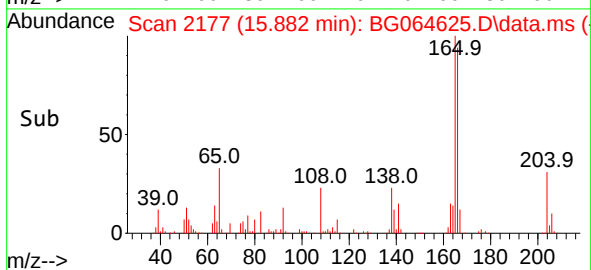
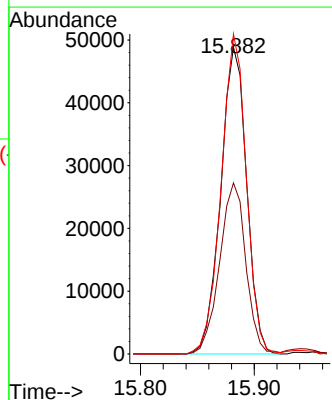
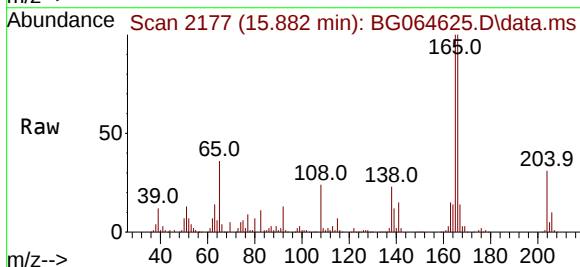
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD

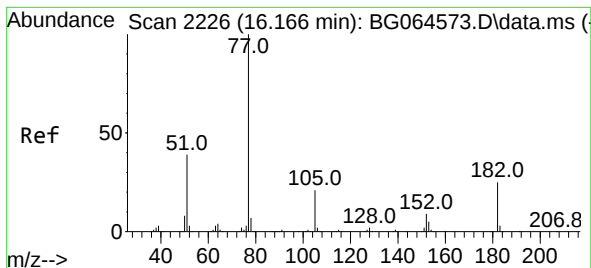
Tgt Ion:204 Resp: 181304
Ion Ratio Lower Upper
204 100
206 33.1 25.6 38.4
141 51.4 40.6 60.8



#62
4-Nitroaniline
Concen: 59.355 ng
RT: 15.882 min Scan# 2177
Delta R.T. -0.012 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

Tgt Ion:138 Resp: 77295
Ion Ratio Lower Upper
138 100
92 55.8 36.1 76.1
108 104.3 75.6 115.6





#63

Azobenzene

Concen: 53.240 ng

RT: 16.164 min Scan# 21

Delta R.T. -0.006 min

Lab File: BG064625.D

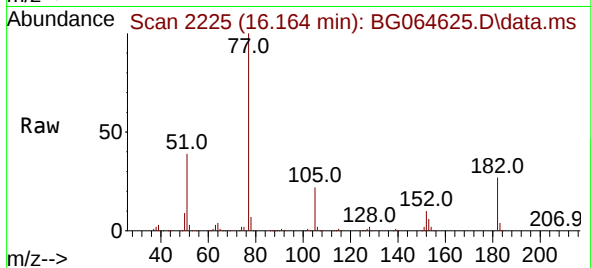
Acq: 29 Oct 2025 16:12

Instrument :

BNA_G

ClientSampleId :

SOUTH-MAHWAH-SOILMSD



Tgt Ion: 77 Resp: 339729

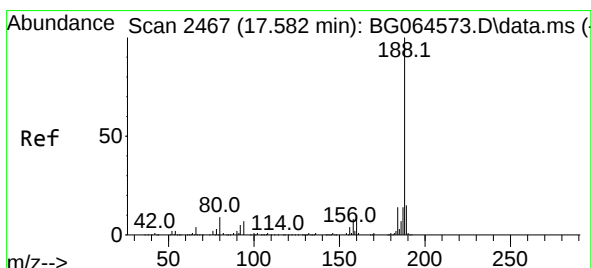
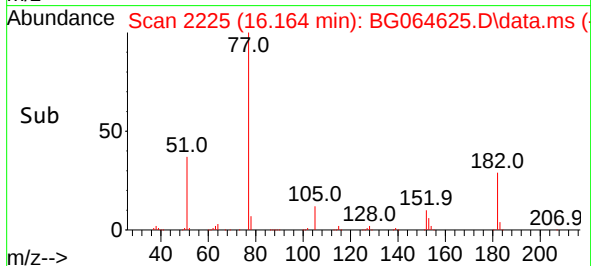
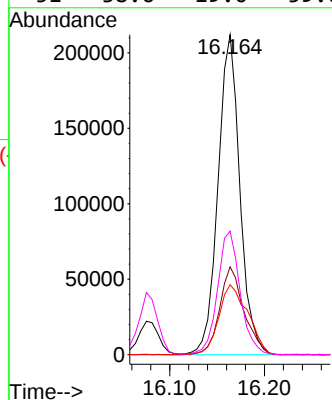
Ion Ratio Lower Upper

77 100

182 27.5 4.9 44.9

105 21.8 1.3 41.3

51 38.6 19.0 59.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.574 min Scan# 2465

Delta R.T. -0.006 min

Lab File: BG064625.D

Acq: 29 Oct 2025 16:12

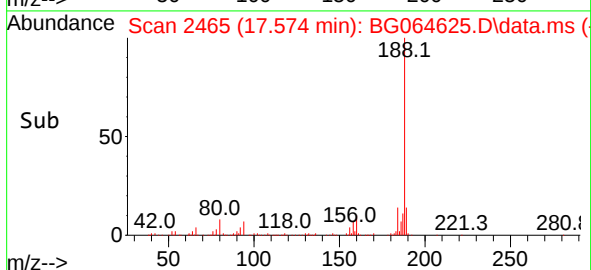
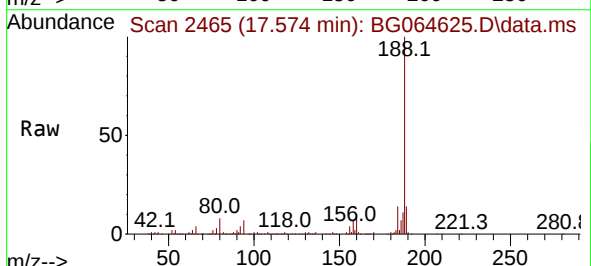
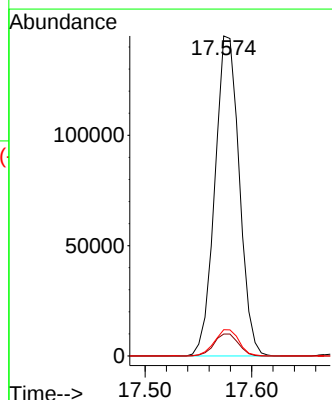
Tgt Ion:188 Resp: 229952

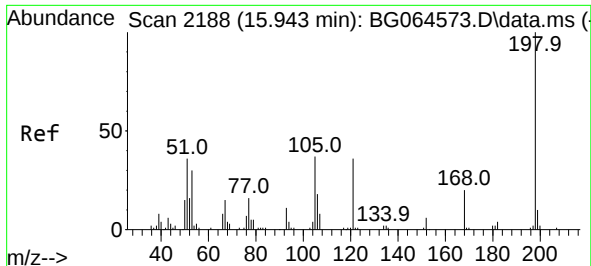
Ion Ratio Lower Upper

188 100

94 6.8 5.7 8.5

80 8.2 6.8 10.2

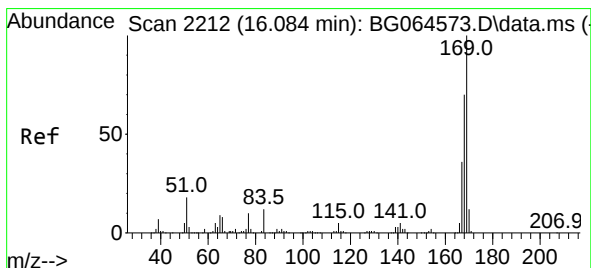
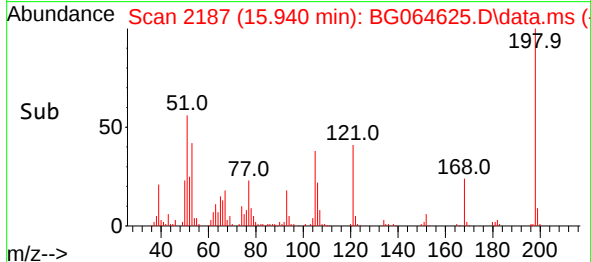
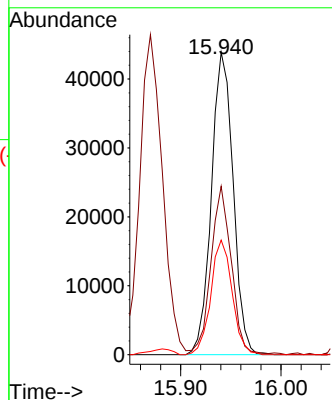
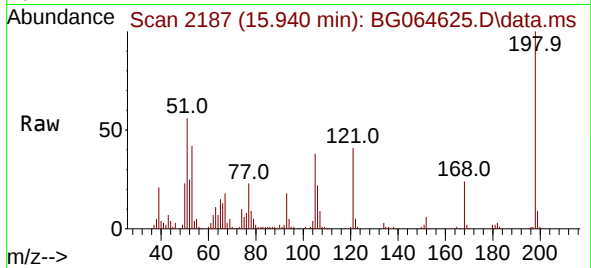




#65
4,6-Dinitro-2-methylphenol
Concen: 63.389 ng
RT: 15.940 min Scan# 2188
Delta R.T. -0.007 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

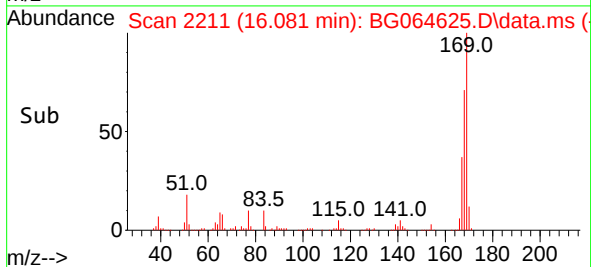
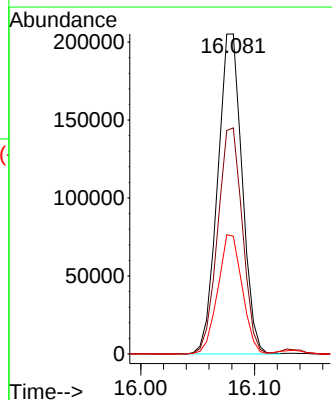
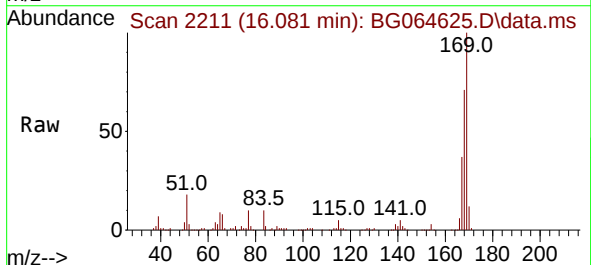
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD

Tgt Ion:198 Resp: 66126
Ion Ratio Lower Upper
198 100
51 55.7 24.7 64.7
105 37.9 18.0 58.0



#66
n-Nitrosodiphenylamine
Concen: 49.479 ng
RT: 16.081 min Scan# 2211
Delta R.T. -0.007 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

Tgt Ion:169 Resp: 307341
Ion Ratio Lower Upper
169 100
168 70.6 56.3 84.5
167 36.8 29.0 43.6

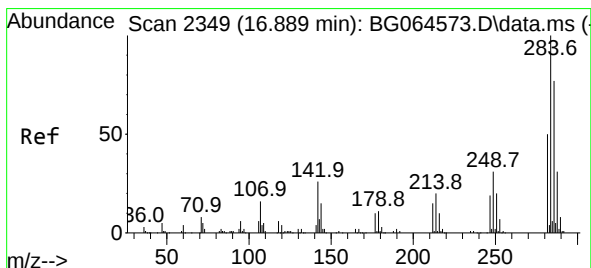
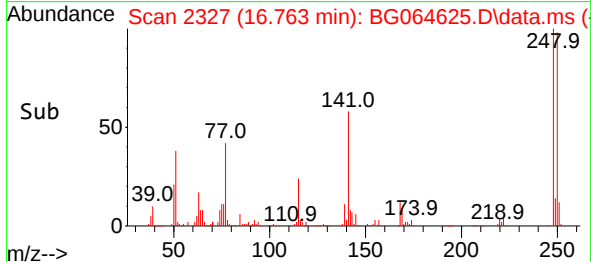
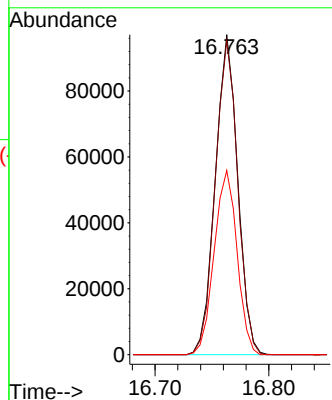
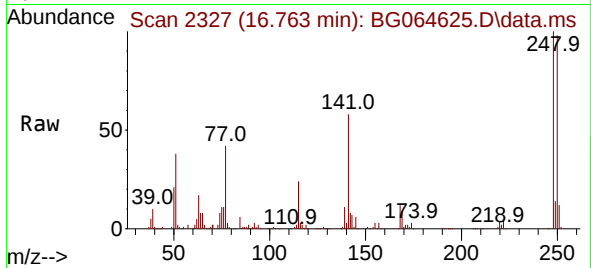




#67
4-Bromophenyl-phenylether
Concen: 48.926 ng
RT: 16.763 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

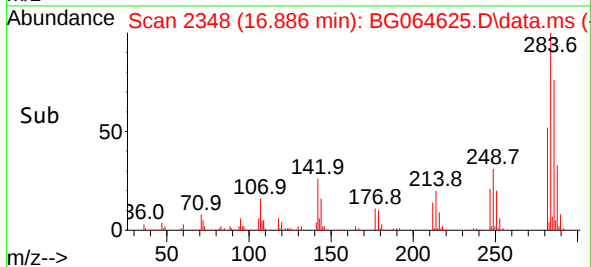
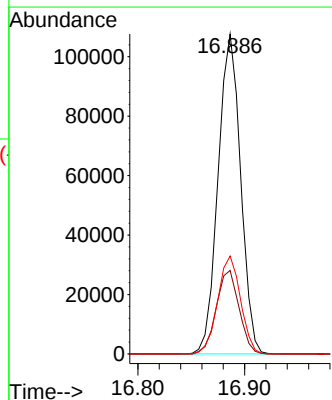
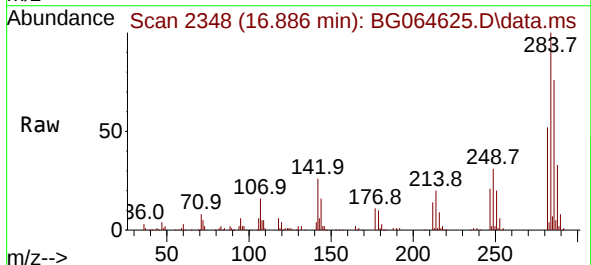
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD

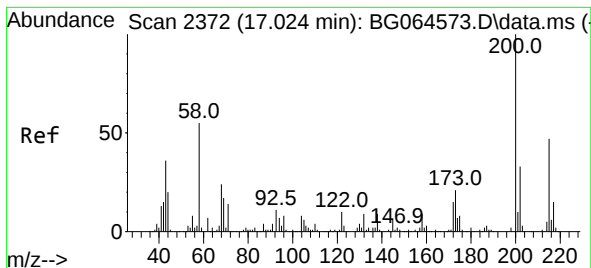
Tgt Ion:248 Resp: 133325
Ion Ratio Lower Upper
248 100
250 98.1 77.7 116.5
141 57.6 48.6 72.8



#68
Hexachlorobenzene
Concen: 50.701 ng
RT: 16.886 min Scan# 2348
Delta R.T. -0.006 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

Tgt Ion:284 Resp: 157619
Ion Ratio Lower Upper
284 100
142 26.1 21.0 31.6
249 32.7 24.9 37.3





#69

Atrazine

Concen: 53.435 ng

RT: 17.021 min Scan# 21

Delta R.T. -0.006 min

Lab File: BG064625.D

Acq: 29 Oct 2025 16:12

Instrument :

BNA_G

ClientSampleId :

SOUTH-MAHWAH-SOILMSD

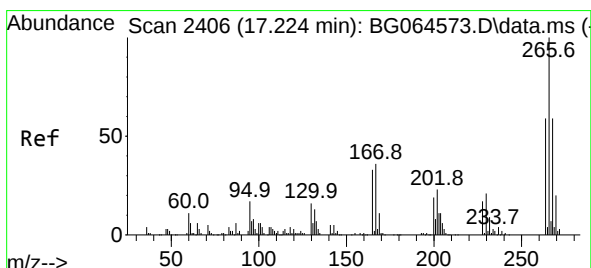
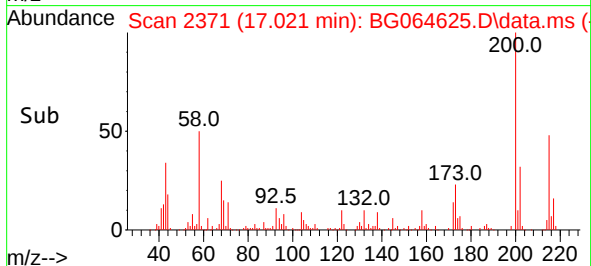
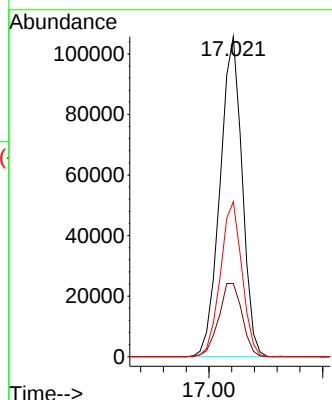
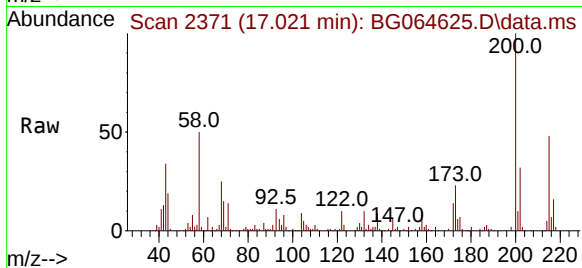
Tgt Ion:200 Resp: 142836

Ion Ratio Lower Upper

200 100

173 22.9 0.9 40.9

215 48.4 27.0 67.0



#70

Pentachlorophenol

Concen: 111.923 ng

RT: 17.221 min Scan# 2405

Delta R.T. -0.006 min

Lab File: BG064625.D

Acq: 29 Oct 2025 16:12

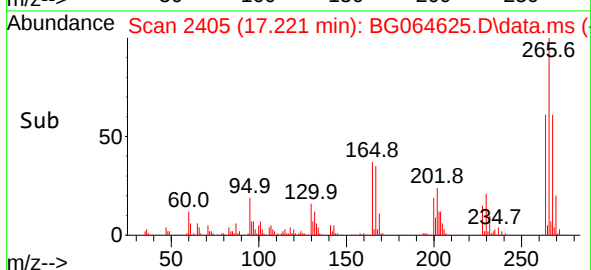
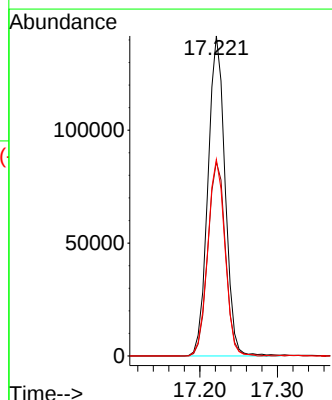
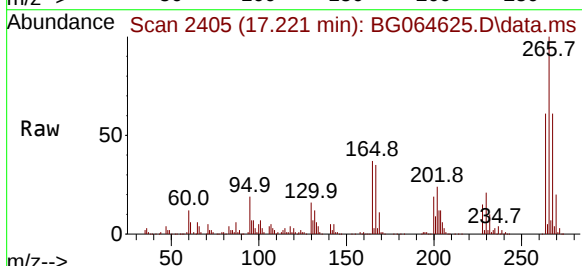
Tgt Ion:266 Resp: 216974

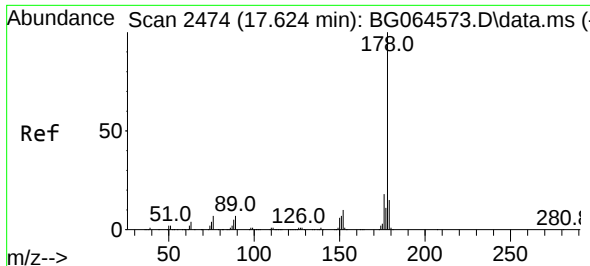
Ion Ratio Lower Upper

266 100

268 65.0 50.3 75.5

264 61.5 47.3 70.9

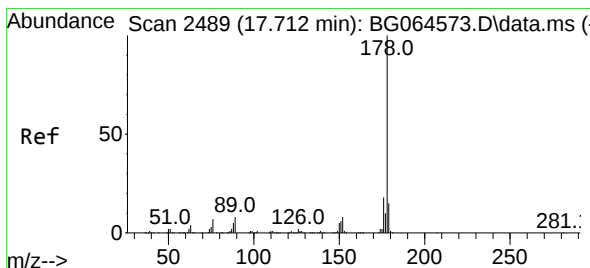
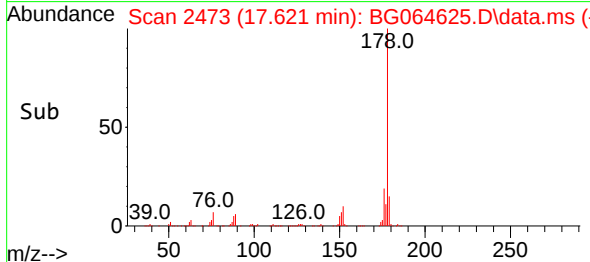
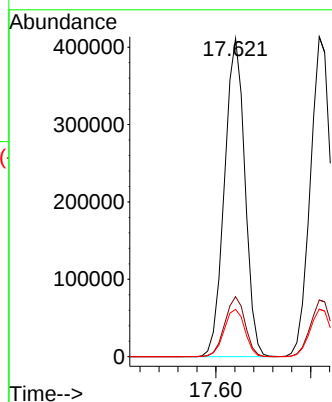
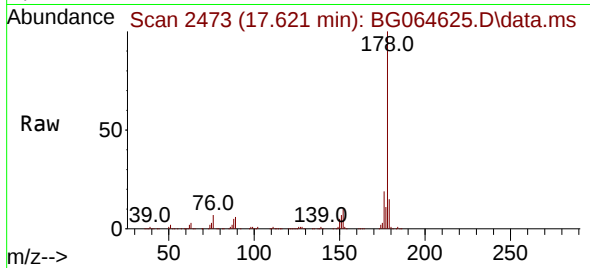




#71
Phenanthrene
Concen: 48.794 ng
RT: 17.621 min Scan# 2474
Delta R.T. -0.006 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

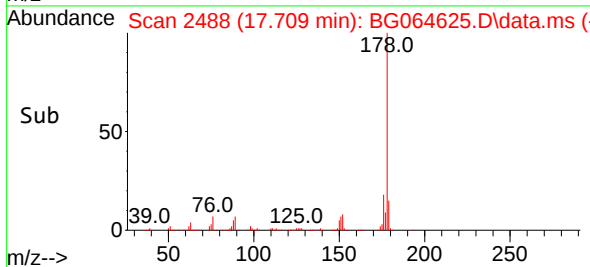
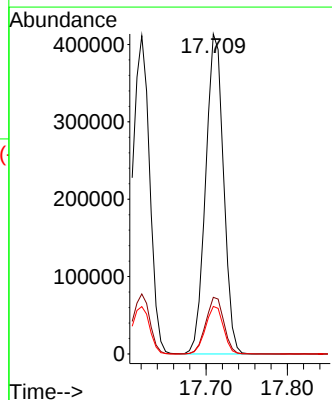
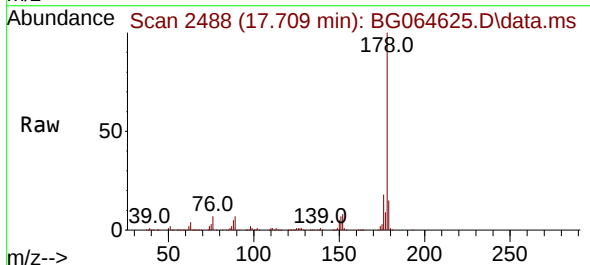
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD

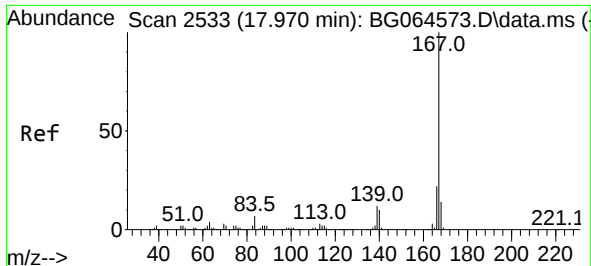
Tgt Ion:178 Resp: 613596
Ion Ratio Lower Upper
178 100
176 18.9 14.7 22.1
179 14.9 12.2 18.4



#72
Anthracene
Concen: 49.346 ng
RT: 17.709 min Scan# 2488
Delta R.T. -0.006 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

Tgt Ion:178 Resp: 631231
Ion Ratio Lower Upper
178 100
176 17.7 14.4 21.6
179 14.9 12.4 18.6

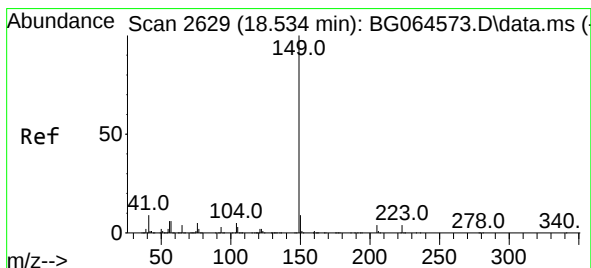
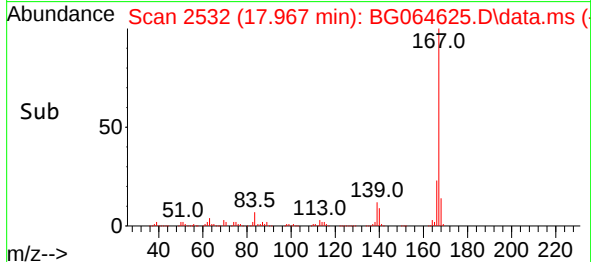
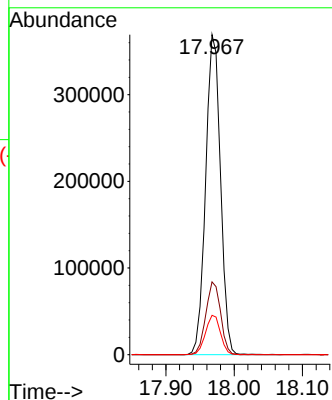
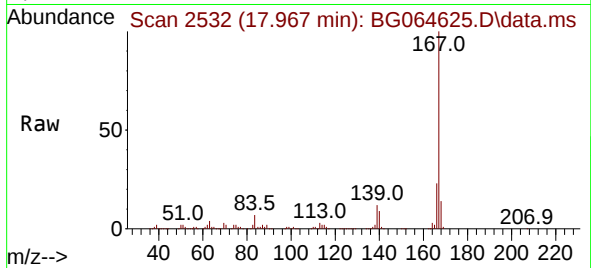




#73
Carbazole
Concen: 49.472 ng
RT: 17.967 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

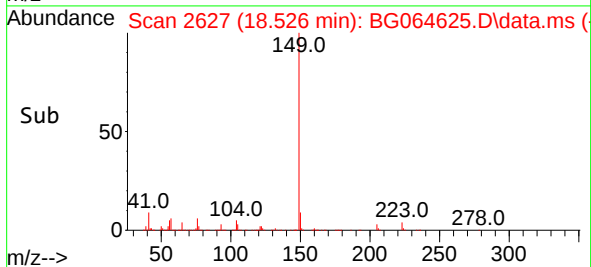
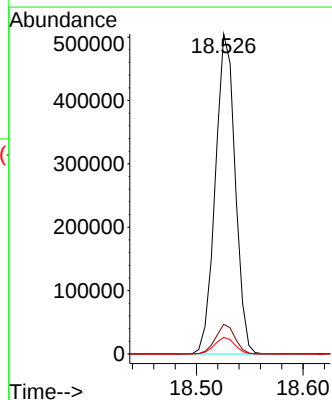
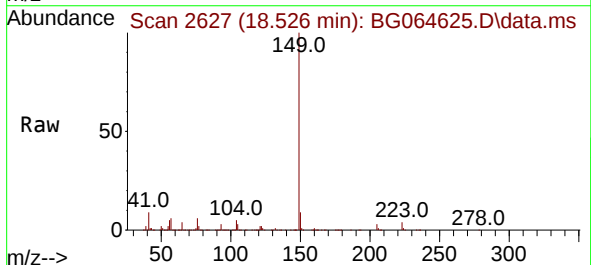
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD

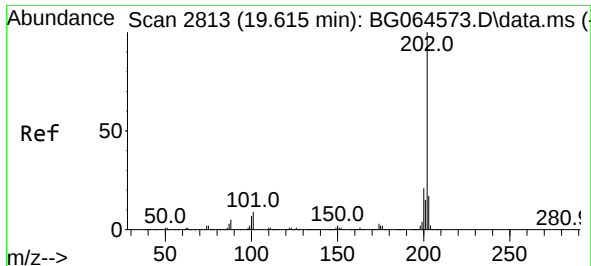
Tgt Ion:167 Resp: 558052
Ion Ratio Lower Upper
167 100
166 22.7 17.9 26.9
139 12.3 9.7 14.5



#74
Di-n-butylphthalate
Concen: 49.921 ng
RT: 18.526 min Scan# 2627
Delta R.T. -0.012 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

Tgt Ion:149 Resp: 651165
Ion Ratio Lower Upper
149 100
150 9.2 7.0 10.6
104 5.2 4.1 6.1

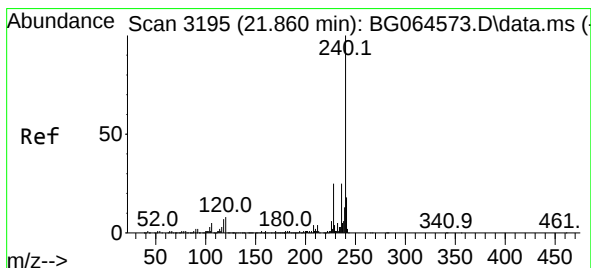
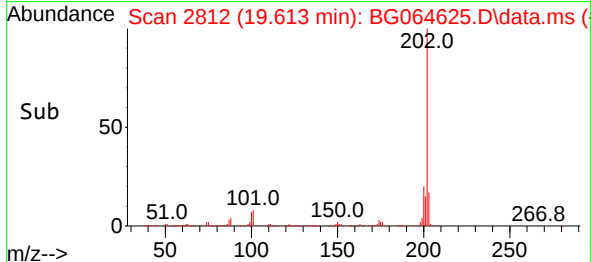
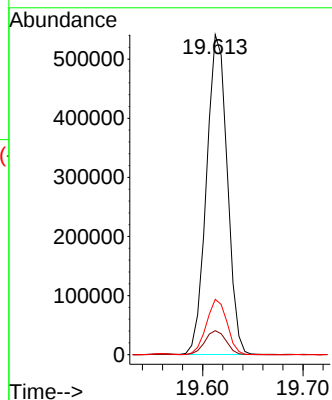
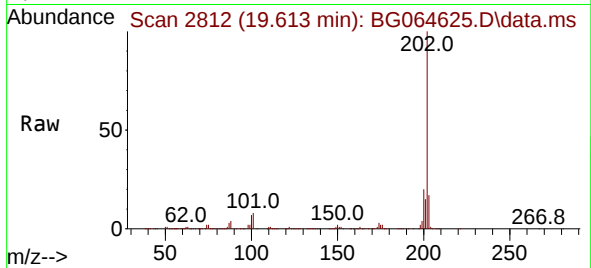




#75
Fluoranthene
Concen: 49.310 ng
RT: 19.613 min Scan# 2812
Delta R.T. -0.006 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

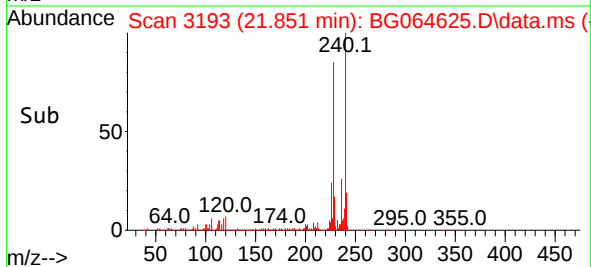
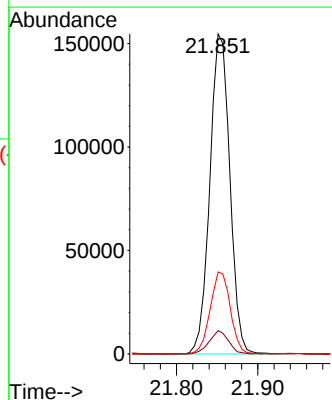
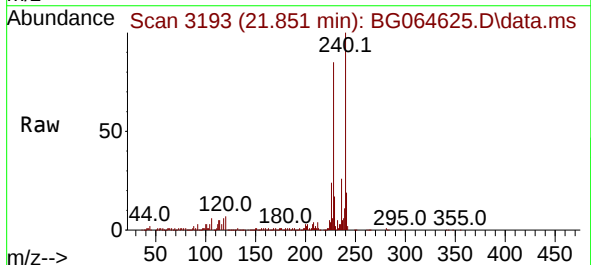
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD

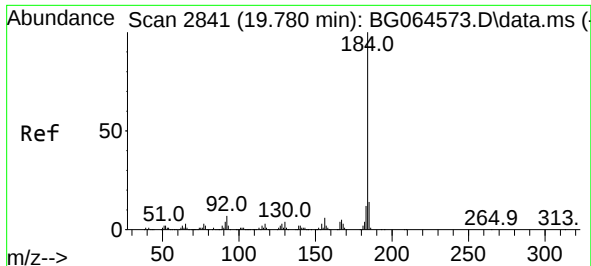
Tgt Ion:202 Resp: 776808
Ion Ratio Lower Upper
202 100
101 7.5 0.0 28.7
203 17.3 0.0 37.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.851 min Scan# 3193
Delta R.T. -0.012 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

Tgt Ion:240 Resp: 263949
Ion Ratio Lower Upper
240 100
120 7.3 6.5 9.7
236 25.6 20.2 30.2

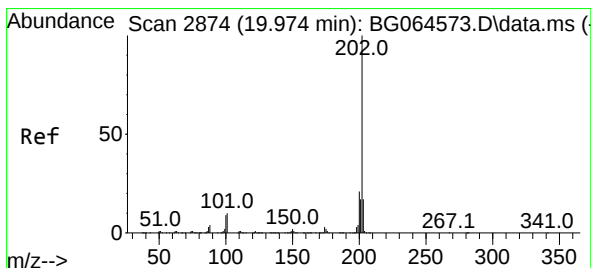
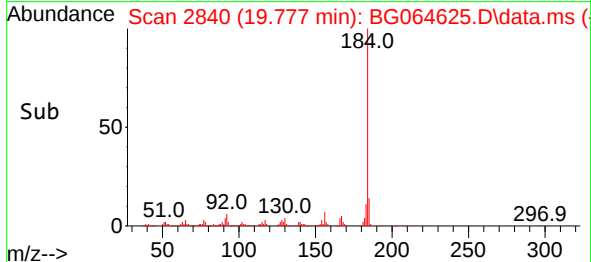
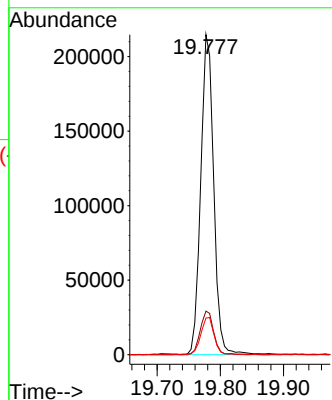
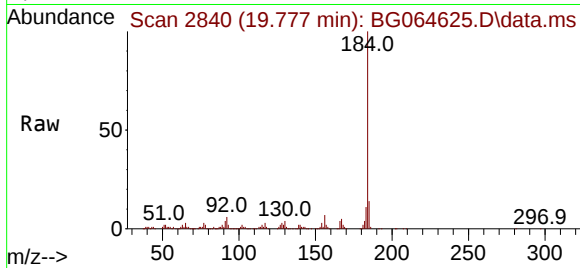




#77
Benzidine
Concen: 51.800 ng
RT: 19.777 min Scan# 2840
Delta R.T. -0.006 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

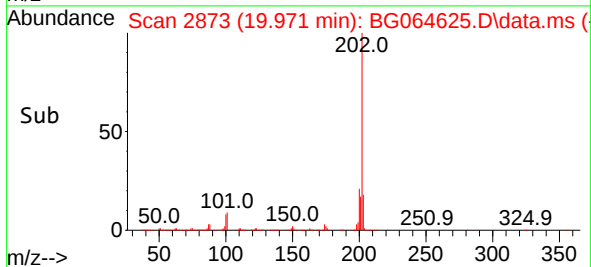
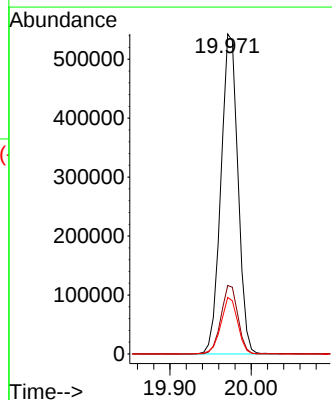
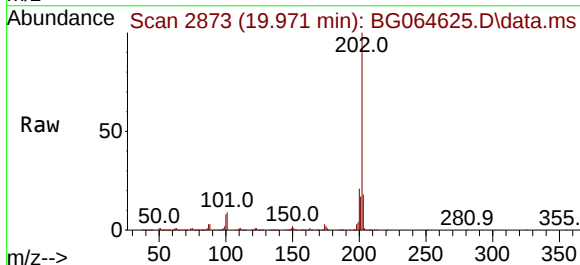
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD

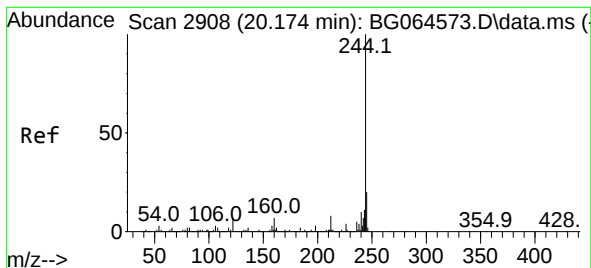
Tgt Ion:184 Resp: 306322
Ion Ratio Lower Upper
184 100
185 13.6 11.4 17.2
183 11.5 9.4 14.2



#78
Pyrene
Concen: 46.015 ng
RT: 19.971 min Scan# 2873
Delta R.T. -0.006 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

Tgt Ion:202 Resp: 793530
Ion Ratio Lower Upper
202 100
200 21.4 17.0 25.4
203 17.7 13.8 20.6





#79

Terphenyl-d14

Concen: 49.014 ng

RT: 20.165 min Scan# 2906

Delta R.T. -0.012 min

Lab File: BG064625.D

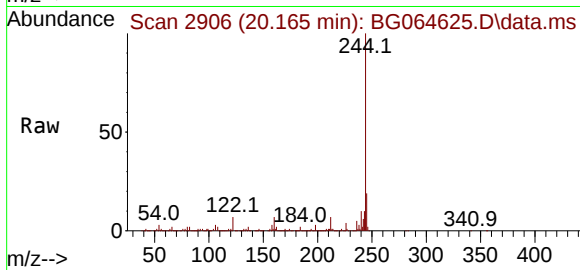
Acq: 29 Oct 2025 16:12

Instrument :

BNA_G

ClientSampleId :

SOUTH-MAHWAH-SOILMSD



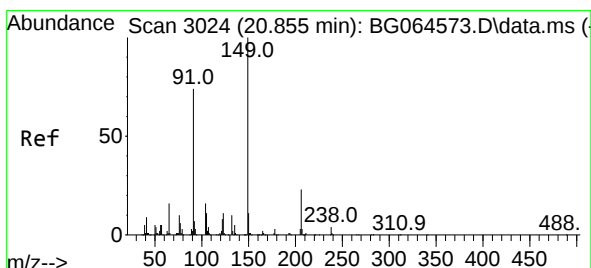
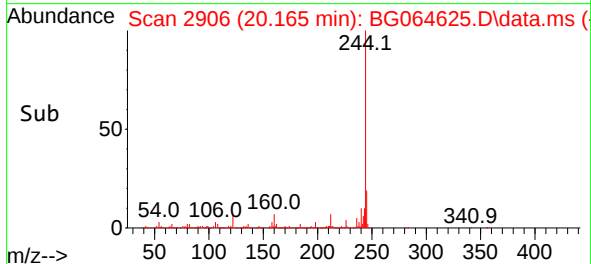
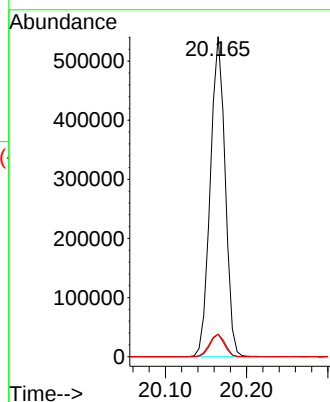
Tgt Ion:244 Resp: 685533

Ion Ratio Lower Upper

244 100

212 7.0 6.1 9.1

122 7.0 5.6 8.4



#80

Butylbenzylphthalate

Concen: 56.642 ng

RT: 20.846 min Scan# 3022

Delta R.T. -0.012 min

Lab File: BG064625.D

Acq: 29 Oct 2025 16:12

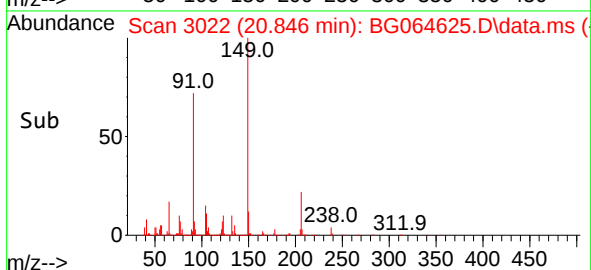
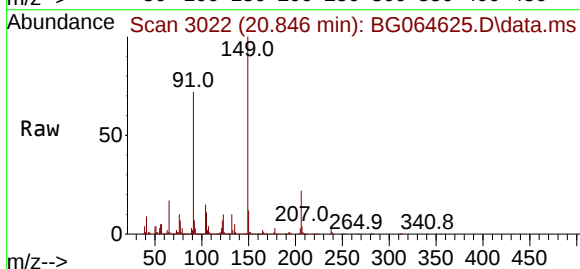
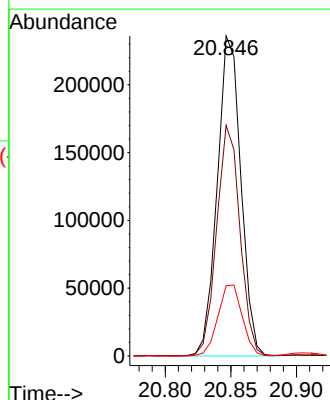
Tgt Ion:149 Resp: 295223

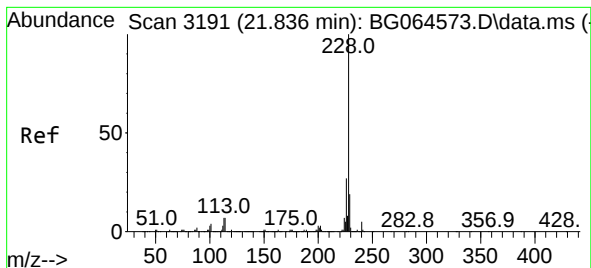
Ion Ratio Lower Upper

149 100

91 72.0 59.2 88.8

206 22.0 18.1 27.1





#81

Benzo(a)anthracene

Concen: 49.796 ng

RT: 21.833 min Scan# 3191

Delta R.T. -0.006 min

Lab File: BG064625.D

Acq: 29 Oct 2025 16:12

Instrument :

BNA_G

ClientSampleId :

SOUTH-MAHWAH-SOILMSD

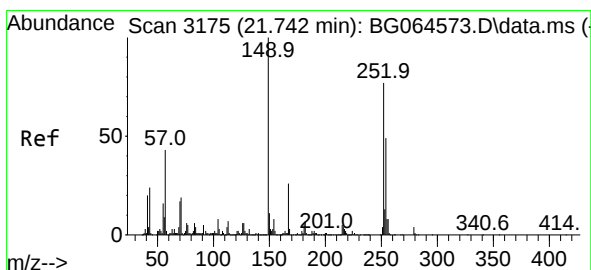
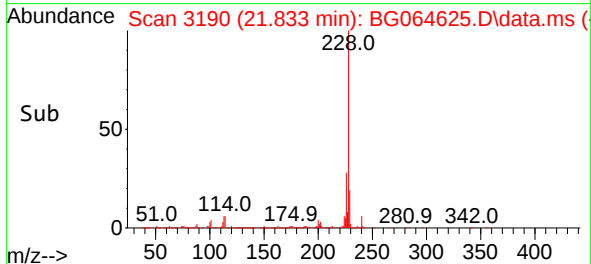
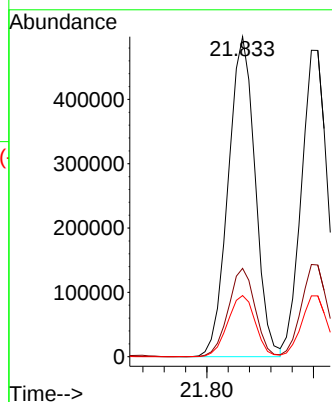
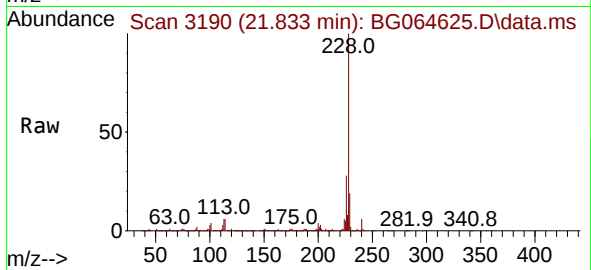
Tgt Ion:228 Resp: 871497

Ion Ratio Lower Upper

228 100

226 27.6 21.9 32.9

229 19.1 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 29.758 ng

RT: 21.734 min Scan# 3173

Delta R.T. -0.006 min

Lab File: BG064625.D

Acq: 29 Oct 2025 16:12

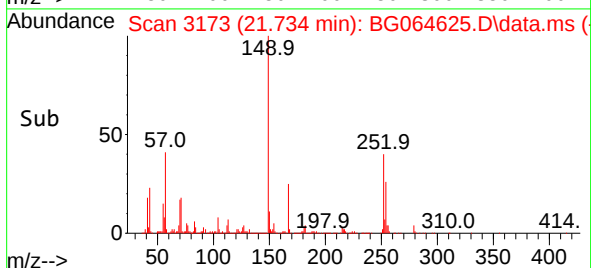
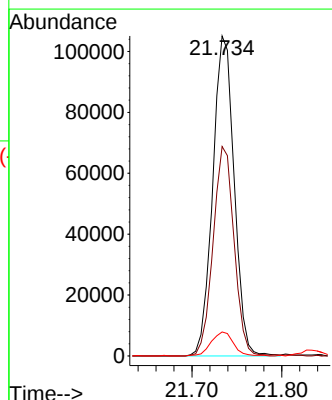
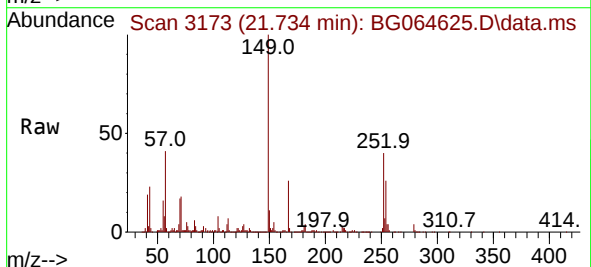
Tgt Ion:252 Resp: 173912

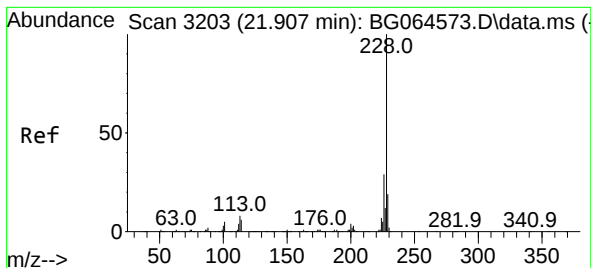
Ion Ratio Lower Upper

252 100

254 65.5 50.8 76.2

126 7.5 5.8 8.6





#83

Chrysene

Concen: 48.525 ng

RT: 21.898 min Scan# 31

Delta R.T. -0.012 min

Lab File: BG064625.D

Acq: 29 Oct 2025 16:12

Instrument :

BNA_G

ClientSampleId :

SOUTH-MAHWAH-SOILMSD

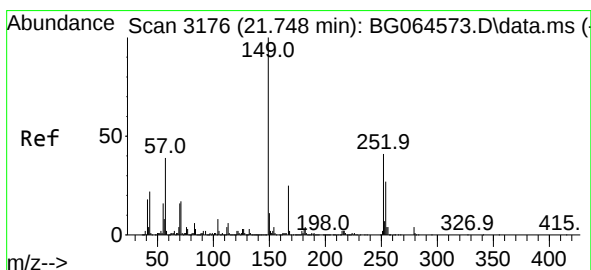
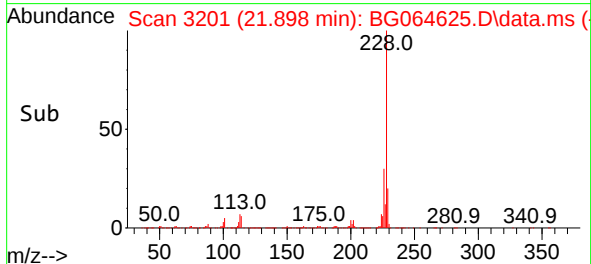
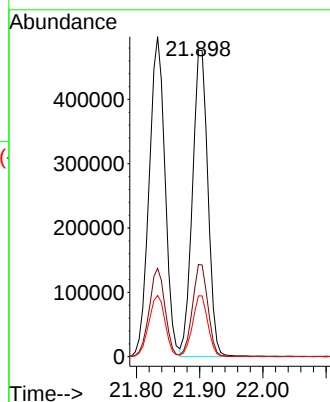
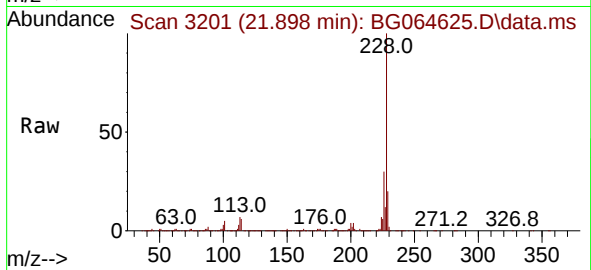
Tgt Ion:228 Resp: 808078

Ion Ratio Lower Upper

228 100

226 30.1 23.3 34.9

229 19.9 15.2 22.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 53.428 ng

RT: 21.739 min Scan# 3174

Delta R.T. -0.012 min

Lab File: BG064625.D

Acq: 29 Oct 2025 16:12

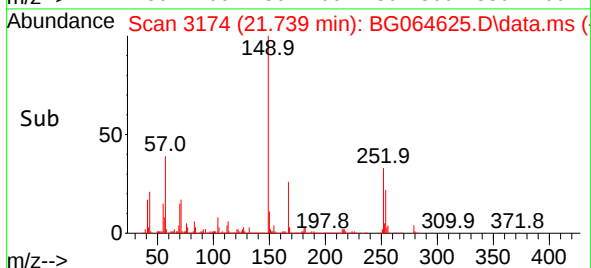
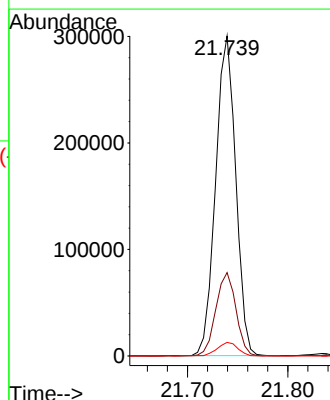
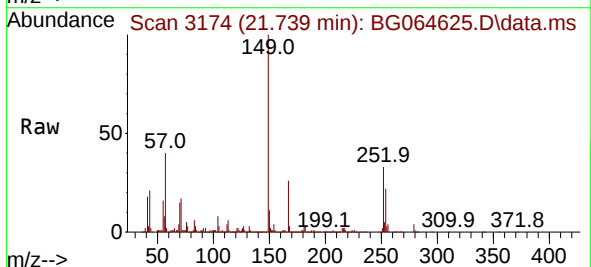
Tgt Ion:149 Resp: 416105

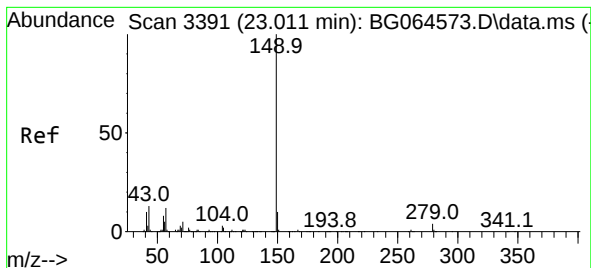
Ion Ratio Lower Upper

149 100

167 26.1 20.0 30.0

279 4.2 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 54.989 ng

RT: 22.997 min Scan# 31

Delta R.T. -0.018 min

Lab File: BG064625.D

Acq: 29 Oct 2025 16:12

Instrument :

BNA_G

ClientSampleId :

SOUTH-MAHWAH-SOILMSD

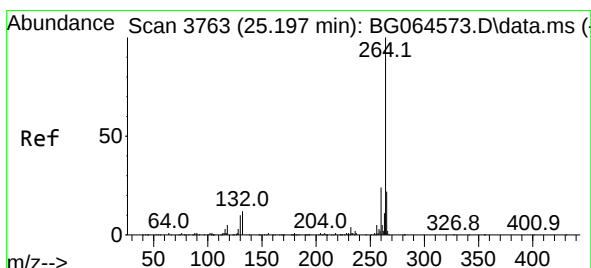
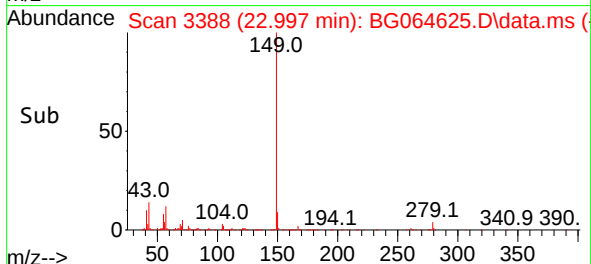
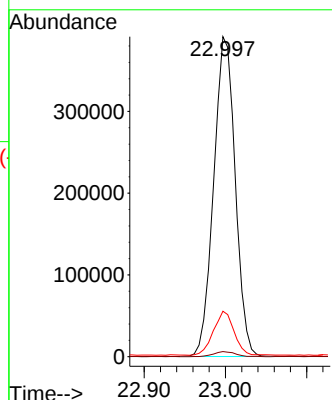
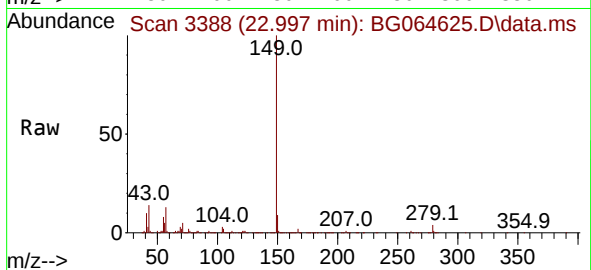
Tgt Ion:149 Resp: 722039

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 13.2 10.8 16.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.194 min Scan# 3762

Delta R.T. -0.006 min

Lab File: BG064625.D

Acq: 29 Oct 2025 16:12

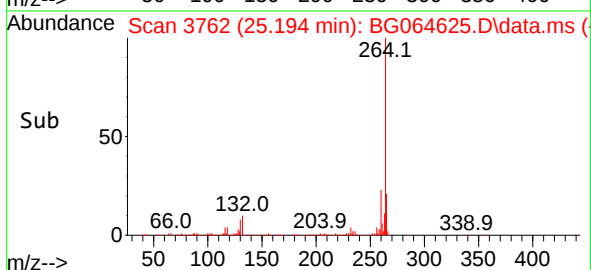
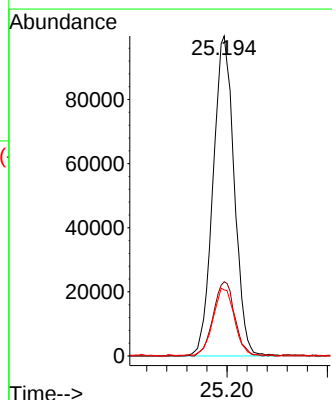
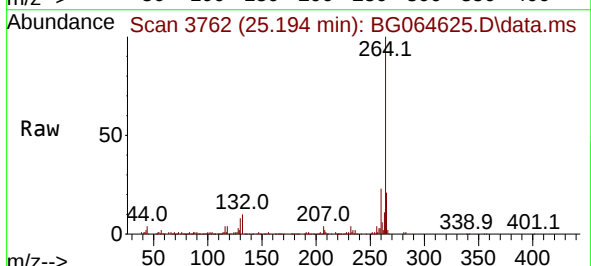
Tgt Ion:264 Resp: 292090

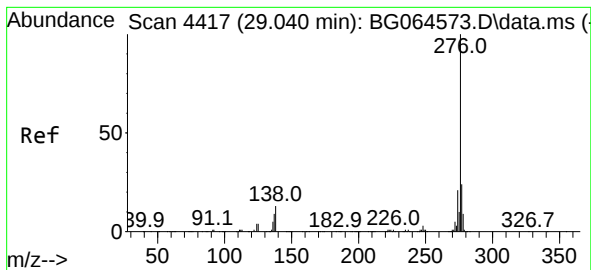
Ion Ratio Lower Upper

264 100

260 23.2 19.0 28.4

265 20.7 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 48.883 ng

RT: 29.031 min Scan# 4415

Delta R.T. -0.030 min

Lab File: BG064625.D

Acq: 29 Oct 2025 16:12

Instrument :

BNA_G

ClientSampleId :

SOUTH-MAHWAH-SOILMSD

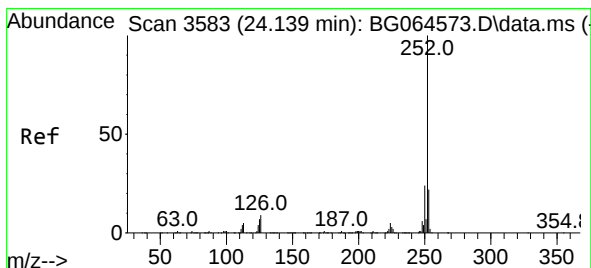
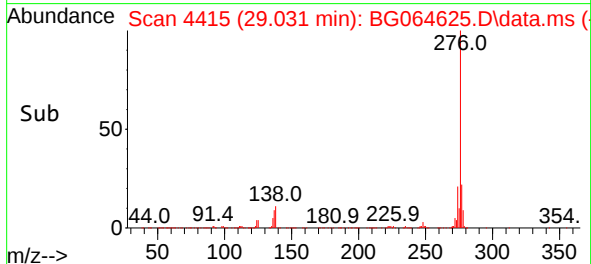
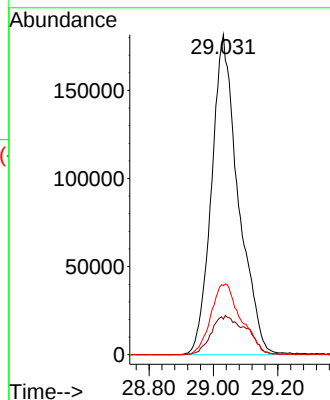
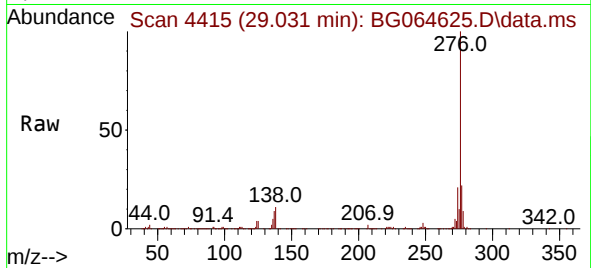
Tgt Ion:276 Resp: 1050354

Ion Ratio Lower Upper

276 100

138 16.1 10.8 16.2

277 25.0 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 48.296 ng

RT: 24.137 min Scan# 3582

Delta R.T. -0.006 min

Lab File: BG064625.D

Acq: 29 Oct 2025 16:12

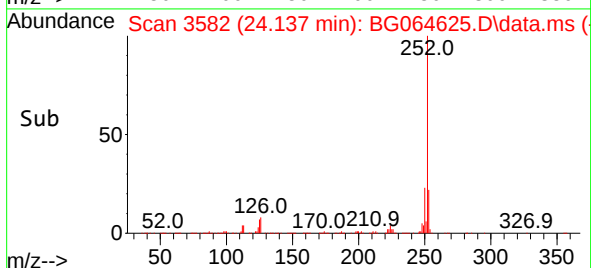
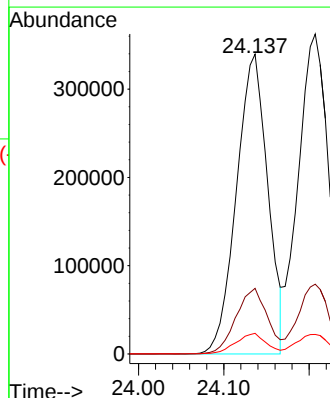
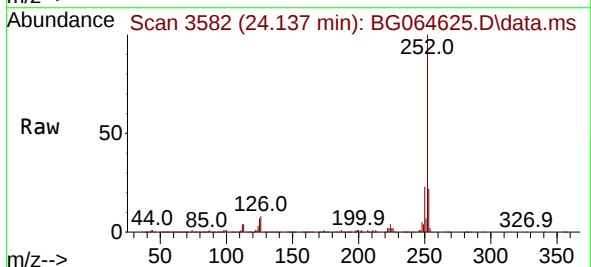
Tgt Ion:252 Resp: 865025

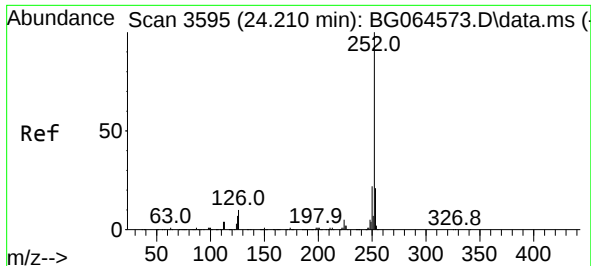
Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.8

125 6.9 5.6 8.4

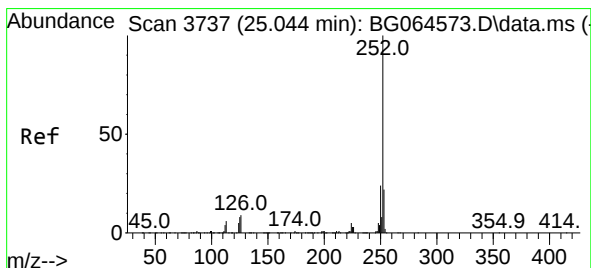
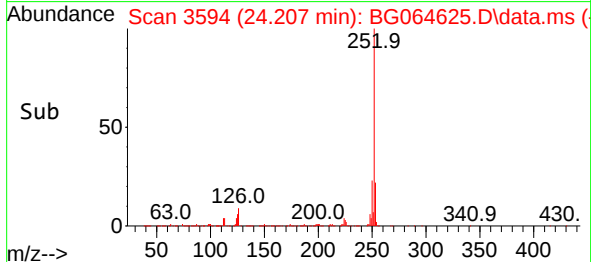
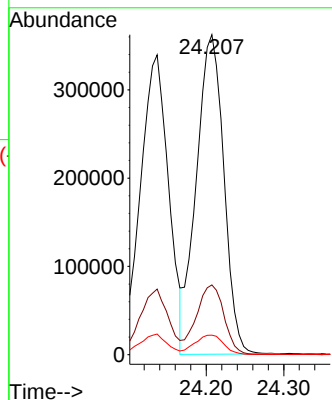
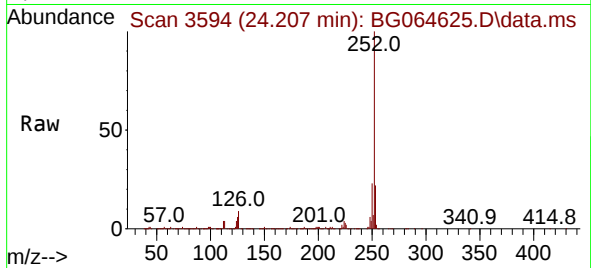




#89
Benzo(k)fluoranthene
Concen: 49.779 ng
RT: 24.207 min Scan# 31
Delta R.T. -0.012 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

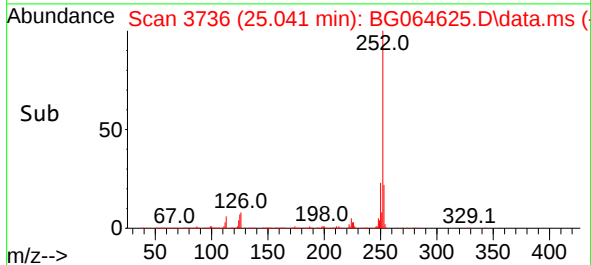
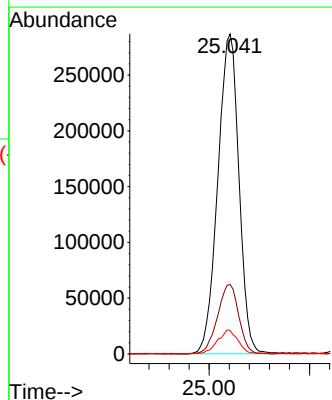
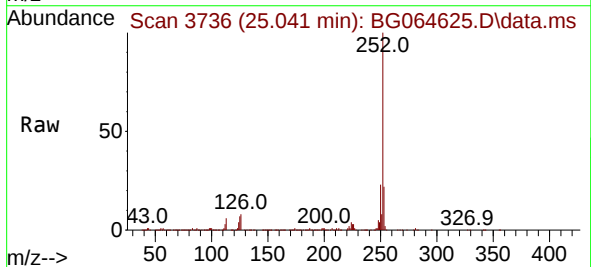
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD

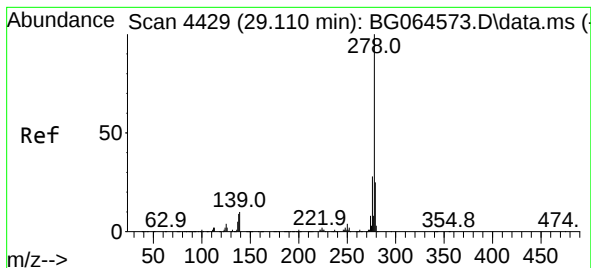
Tgt Ion:252 Resp: 892208
Ion Ratio Lower Upper
252 100
253 21.8 16.8 25.2
125 6.1 5.4 8.0



#90
Benzo(a)pyrene
Concen: 50.850 ng
RT: 25.041 min Scan# 3736
Delta R.T. -0.018 min
Lab File: BG064625.D
Acq: 29 Oct 2025 16:12

Tgt Ion:252 Resp: 837198
Ion Ratio Lower Upper
252 100
253 21.7 17.6 26.4
125 7.3 6.1 9.1





#91

Dibenzo(a,h)anthracene

Concen: 49.765 ng

RT: 29.107 min Scan# 4428

Delta R.T. -0.030 min

Lab File: BG064625.D

Acq: 29 Oct 2025 16:12

Instrument :

BNA_G

ClientSampleId :

SOUTH-MAHWAH-SOILMSD

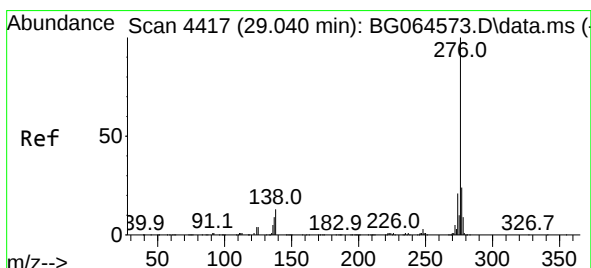
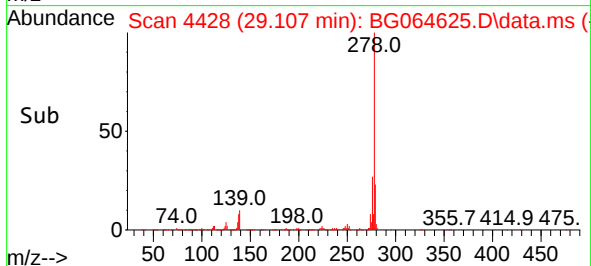
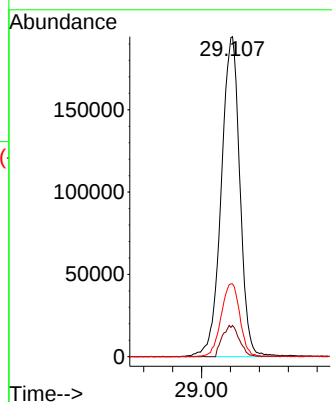
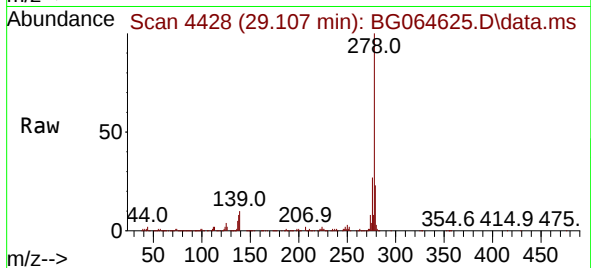
Tgt Ion:278 Resp: 868741

Ion Ratio Lower Upper

278 100

139 9.7 8.0 12.0

279 22.7 19.8 29.6



#92

Benzo(g,h,i)perylene

Concen: 48.883 ng

RT: 29.031 min Scan# 4415

Delta R.T. -0.030 min

Lab File: BG064625.D

Acq: 29 Oct 2025 16:12

Tgt Ion:276 Resp: 1050354

Ion Ratio Lower Upper

276 100

277 21.6 19.2 28.8

138 11.1 10.7 16.1

