

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082824\
 Data File : BG062595.D
 Acq On : 28 Aug 2024 14:33
 Operator : MA/JU
 Sample : P3726-02MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MOO-SOIL-PILEMSD

Quant Time: Aug 28 15:20:13 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 28 00:59:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.936	152	76325	20.000	ng	0.00
21) Naphthalene-d8	10.727	136	301049	20.000	ng	0.00
39) Acenaphthene-d10	14.557	164	208779	20.000	ng	0.00
64) Phenanthrene-d10	17.301	188	526077	20.000	ng	0.00
76) Chrysene-d12	21.549	240	515714	20.000	ng	0.00
86) Perylene-d12	24.628	264	595783	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.521	112	680124	159.855	ng	0.00
7) Phenol-d6	7.107	99	852004	140.589	ng	0.00
23) Nitrobenzene-d5	9.087	82	496314	109.413	ng	0.00
42) 2,4,6-Tribromophenol	16.050	330	440648	191.066	ng	0.00
45) 2-Fluorobiphenyl	13.183	172	1251772	98.587	ng	0.00
79) Terphenyl-d14	19.922	244	2554147	103.547	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.441	88	74809	36.911	ng	# 58
3) Pyridine	3.841	79	163218	29.589	ng	93
4) n-Nitrosodimethylamine	3.741	42	118735	40.414	ng	92
6) Aniline	7.260	93	121834	21.300	ng	99
8) 2-Chlorophenol	7.501	128	235222	51.316	ng	95
9) Benzaldehyde	7.072	77	45100	11.788	ng	96
10) Phenol	7.131	94	299358	47.596	ng	98
11) bis(2-Chloroethyl)ether	7.354	93	222799	43.563	ng	99
12) 1,3-Dichlorobenzene	7.824	146	220371	41.057	ng	98
13) 1,4-Dichlorobenzene	7.971	146	226497	41.413	ng	96
14) 1,2-Dichlorobenzene	8.282	146	217085	40.564	ng	100
15) Benzyl Alcohol	8.171	79	232723	55.159	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.453	45	406976	41.895	ng	99
17) 2-Methylphenol	8.376	107	209304	49.821	ng	95
18) Hexachloroethane	9.011	117	76004	41.651	ng	94
19) n-Nitroso-di-n-propyla...	8.735	70	197268	48.606	ng	93
20) 3+4-Methylphenols	8.700	107	286900	49.941	ng	99
22) Acetophenone	8.752	105	361316	48.095	ng	99
24) Nitrobenzene	9.128	77	247577	50.400	ng	97
25) Isophorone	9.651	82	536474	48.756	ng	98
26) 2-Nitrophenol	9.839	139	98256	58.132	ng	93
27) 2,4-Dimethylphenol	9.904	122	199970	69.540	ng	97
28) bis(2-Chloroethoxy)met...	10.133	93	317975	49.855	ng	98
29) 2,4-Dichlorophenol	10.374	162	245338	57.629	ng	95
30) 1,2,4-Trichlorobenzene	10.591	180	235246	45.234	ng	99
31) Naphthalene	10.780	128	684004	45.519	ng	99
32) Benzoic acid	10.022	122	89881	37.785	ng	98
33) 4-Chloroaniline	10.879	127	23702	4.342	ng	97
34) Hexachlorobutadiene	11.062	225	151350	44.609	ng	93
35) Caprolactam	11.661	113	30386	26.488	ng	# 74
36) 4-Chloro-3-methylphenol	12.013	107	257628	55.850	ng	99
37) 2-Methylnaphthalene	12.384	142	484699	47.874	ng	97
38) 1-Methylnaphthalene	12.601	142	460936	45.500	ng	99
40) 1,2,4,5-Tetrachloroben...	12.754	216	298432	50.187	ng	99
41) Hexachlorocyclopentadiene	12.736	237	290657	194.411	ng	97
43) 2,4,6-Trichlorophenol	12.989	196	208277	61.197	ng	97

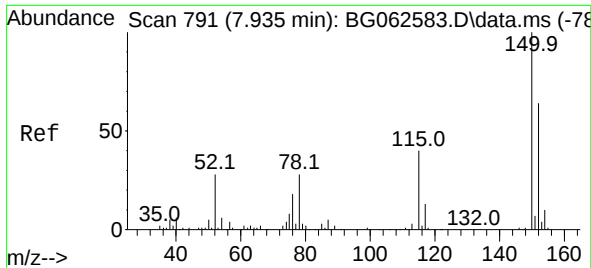
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.065	196	231574	57.735	ng	97
46) 1,1'-Biphenyl	13.388	154	673982	48.248	ng	99
47) 2-Chloronaphthalene	13.435	162	540961	48.519	ng	99
48) 2-Nitroaniline	13.635	65	147977	61.551	ng	94
49) Acenaphthylene	14.281	152	906134	53.312	ng	98
50) Dimethylphthalate	14.017	163	781820	57.628	ng	99
51) 2,6-Dinitrotoluene	14.129	165	137366	51.826	ng	94
52) Acenaphthene	14.622	154	536444	51.156	ng	94
53) 3-Nitroaniline	14.458	138	50357	22.356	ng	94
54) 2,4-Dinitrophenol	14.663	184	140030	113.439	ng	99
55) Dibenzofuran	14.957	168	929140	51.675	ng	100
56) 4-Nitrophenol	14.781	139	261618	122.919	ng	91
57) 2,4-Dinitrotoluene	14.922	165	200800	64.777	ng	90
58) Fluorene	15.603	166	725958	51.414	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.186	232	235578	64.519	ng	98
60) Diethylphthalate	15.380	149	787067	60.538	ng	100
61) 4-Chlorophenyl-phenyle...	15.597	204	393575	52.451	ng	97
62) 4-Nitroaniline	15.627	138	159717	63.894	ng	98
63) Azobenzene	15.891	77	741635	50.200	ng	97
65) 4,6-Dinitro-2-methylph...	15.680	198	112625	63.282	ng	99
66) n-Nitrosodiphenylamine	15.815	169	668859	52.345	ng	97
67) 4-Bromophenyl-phenylether	16.490	248	269773	53.275	ng	97
68) Hexachlorobenzene	16.608	284	304286	52.003	ng	96
69) Atrazine	16.761	200	273283	78.627	ng	97
70) Pentachlorophenol	16.955	266	417182	118.964	ng	95
71) Phenanthrene	17.342	178	1289145	50.885	ng	99
72) Anthracene	17.436	178	1317344	53.145	ng	99
73) Carbazole	17.701	167	1180115	51.316	ng	100
74) Di-n-butylphthalate	18.265	149	1371664	68.177	ng	99
75) Fluoranthene	19.352	202	1568271	49.448	ng	99
77) Benzidine	19.540	184	106651	16.116	ng	98
78) Pyrene	19.716	202	1656419	50.518	ng	99
80) Butylbenzylphthalate	20.609	149	509559	66.824	ng	97
81) Benzo(a)anthracene	21.532	228	1686057	51.334	ng	100
82) 3,3'-Dichlorobenzidine	21.449	252	286564	32.985	ng	99
83) Chrysene	21.596	228	1628013	50.656	ng	99
84) Bis(2-ethylhexyl)phtha...	21.449	149	781303	75.278	ng	100
85) Di-n-octyl phthalate	22.613	149	1419595	72.441	ng	# 91
87) Indeno(1,2,3-cd)pyrene	28.118	276	2120505	56.441	ng	# 97
88) Benzo(b)fluoranthene	23.659	252	1682046	50.406	ng	99
89) Benzo(k)fluoranthene	23.723	252	1751095	52.889	ng	99
90) Benzo(a)pyrene	24.487	252	1633146	55.670	ng	99
91) Dibenzo(a,h)anthracene	28.177	278	1737710	55.968	ng	99
92) Benzo(g,h,i)perylene	29.211	276	1598644	50.647	ng	97

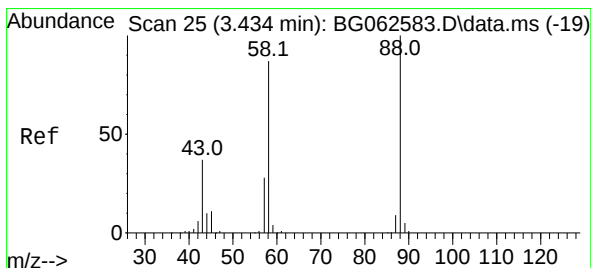
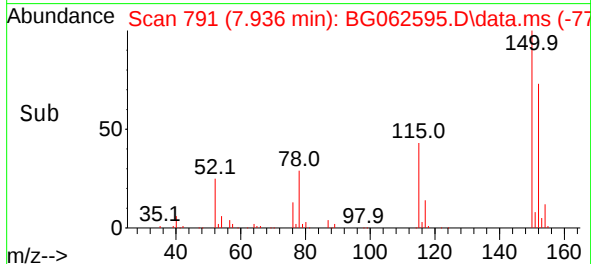
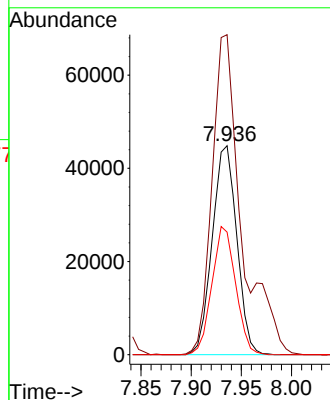
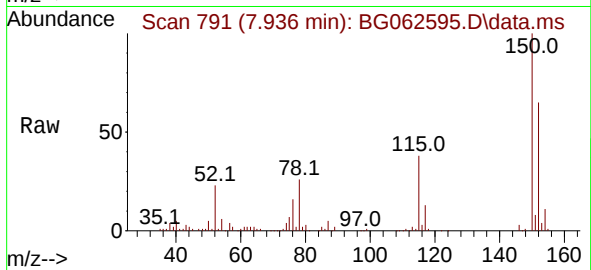
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.936 min Scan# 791
Delta R.T. 0.001 min
Lab File: BG062595.D
Acq: 28 Aug 2024 14:33

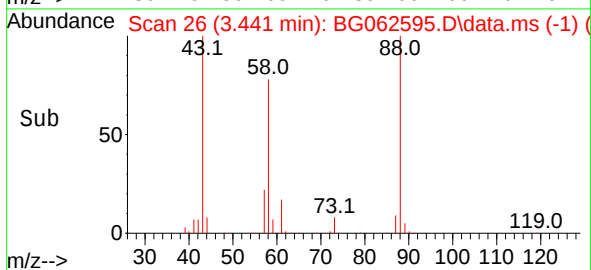
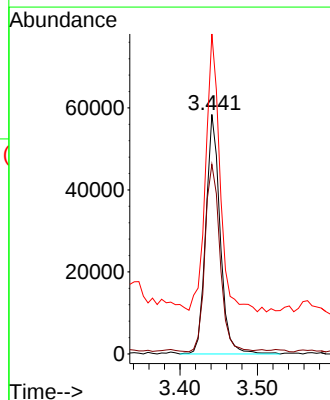
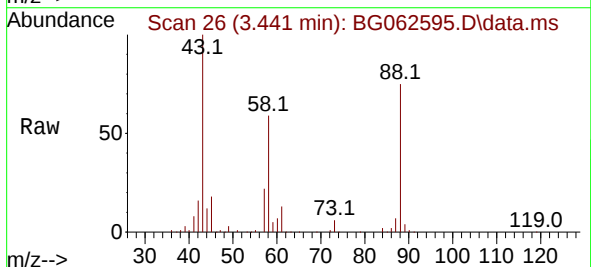
Instrument :
BNA_G
ClientSampleId :
MOO-SOIL-PILEMSD

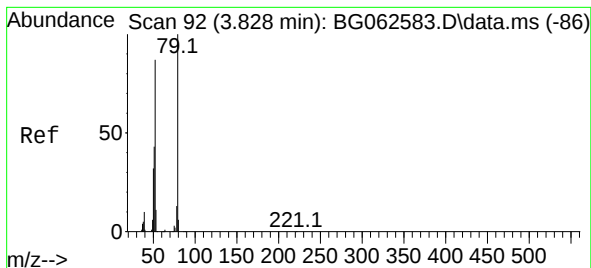
Tgt Ion:152 Resp: 76325
Ion Ratio Lower Upper
152 100
150 153.1 125.1 187.7
115 58.7 50.6 76.0



#2
1,4-Dioxane
Concen: 36.911 ng
RT: 3.441 min Scan# 26
Delta R.T. 0.007 min
Lab File: BG062595.D
Acq: 28 Aug 2024 14:33

Tgt Ion: 88 Resp: 74809
Ion Ratio Lower Upper
88 100
58 81.8 66.6 99.8
43 115.9 28.2 42.2#





#3

Pyridine

Concen: 29.589 ng

RT: 3.841 min Scan# 94

Delta R.T. 0.013 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMSD

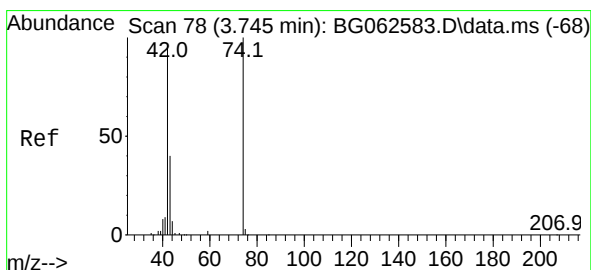
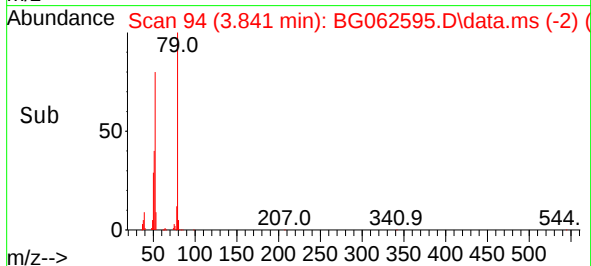
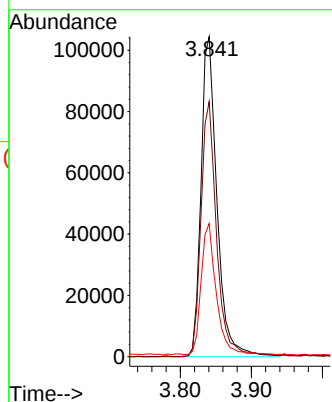
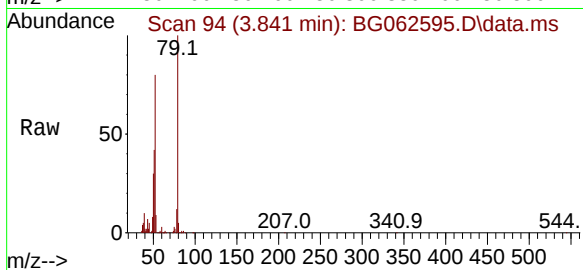
Tgt Ion: 79 Resp: 163218

Ion Ratio Lower Upper

79 100

52 79.7 69.7 104.5

51 41.6 35.6 53.4



#4

n-Nitrosodimethylamine

Concen: 40.414 ng

RT: 3.741 min Scan# 77

Delta R.T. -0.005 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

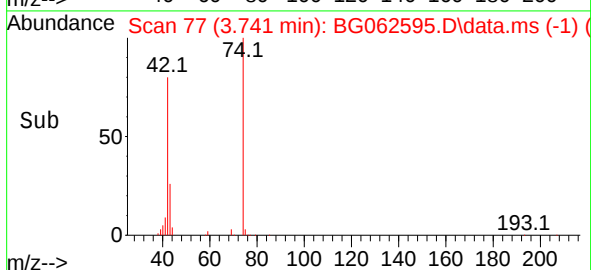
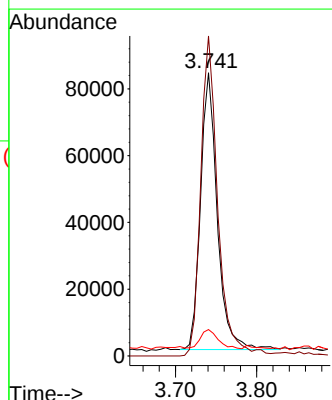
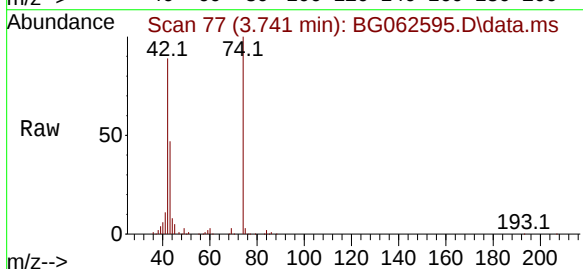
Tgt Ion: 42 Resp: 118735

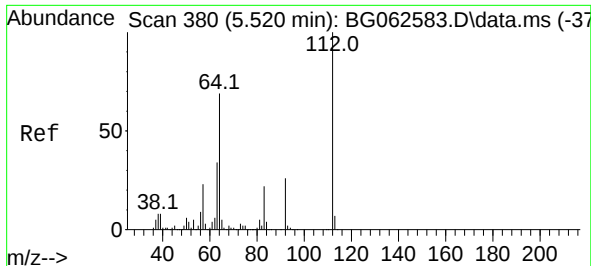
Ion Ratio Lower Upper

42 100

74 113.0 83.5 125.3

44 9.3 7.4 11.0

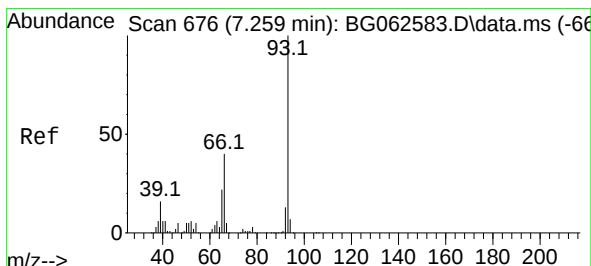
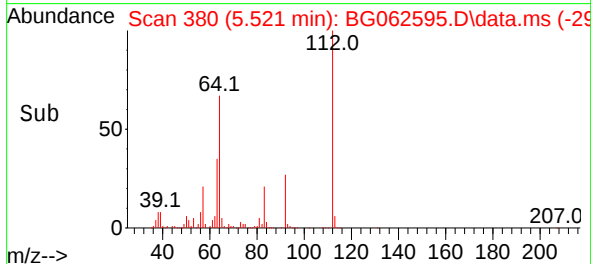
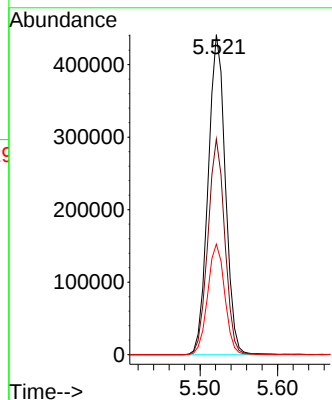
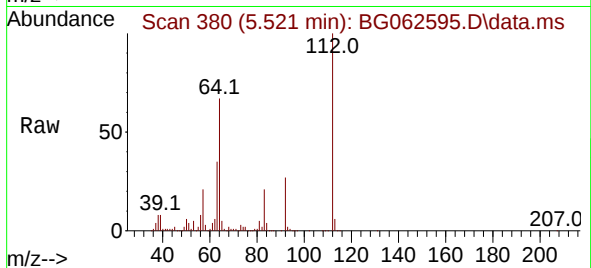




#5
2-Fluorophenol
Concen: 159.855 ng
RT: 5.521 min Scan# 380
Delta R.T. 0.001 min
Lab File: BG062595.D
Acq: 28 Aug 2024 14:33

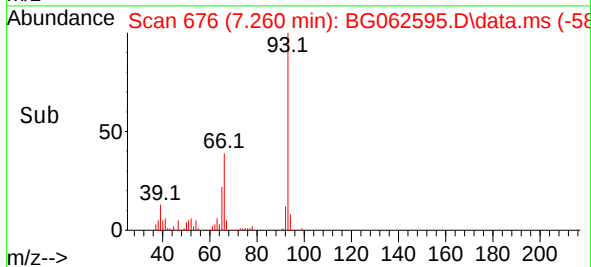
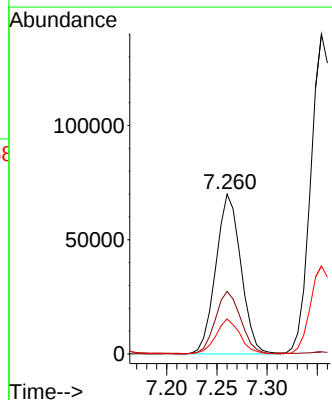
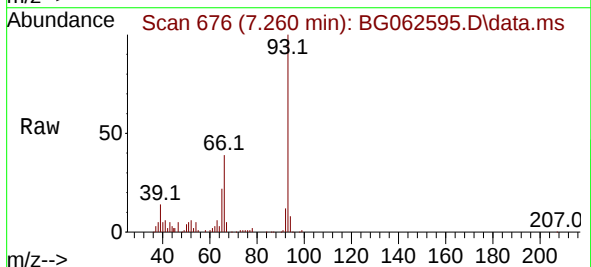
Instrument :
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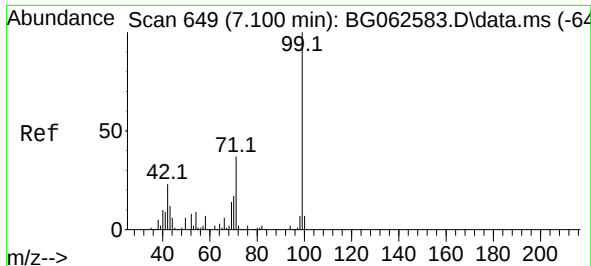
Tgt Ion:112 Resp: 680124
Ion Ratio Lower Upper
112 100
64 67.4 55.5 83.3
63 34.5 27.4 41.2



#6
Aniline
Concen: 21.300 ng
RT: 7.260 min Scan# 676
Delta R.T. 0.001 min
Lab File: BG062595.D
Acq: 28 Aug 2024 14:33

Tgt Ion: 93 Resp: 121834
Ion Ratio Lower Upper
93 100
66 39.1 32.4 48.6
65 22.0 17.6 26.4

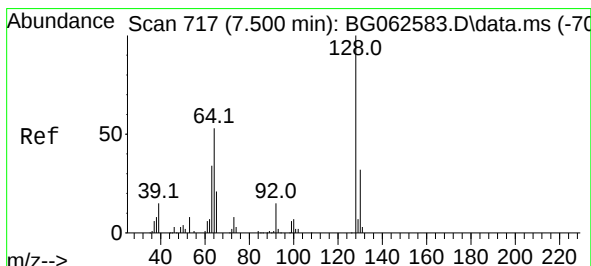
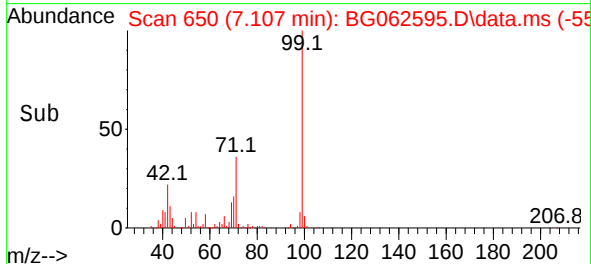
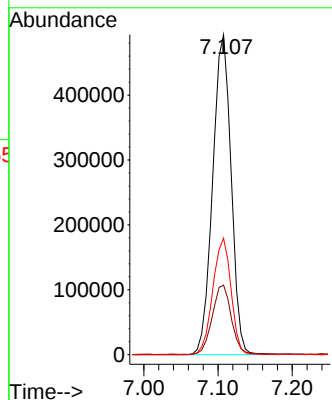
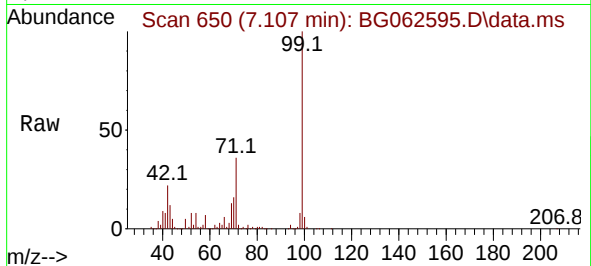




#7
Phenol-d6
Concen: 140.589 ng
RT: 7.107 min Scan# 649
Delta R.T. 0.007 min
Lab File: BG062595.D
Acq: 28 Aug 2024 14:33

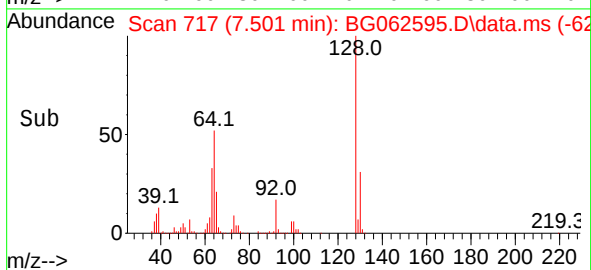
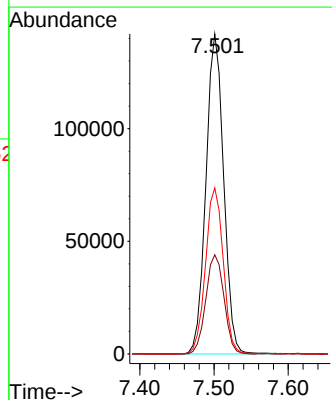
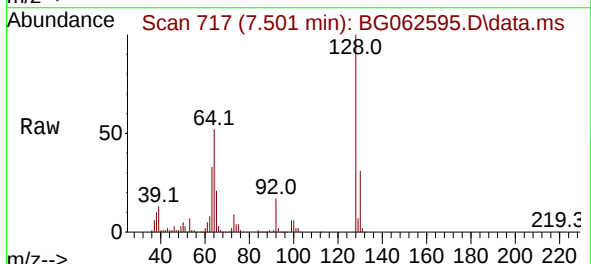
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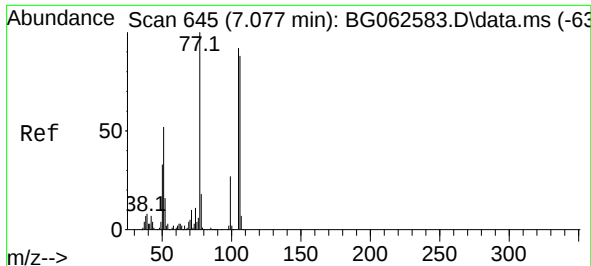
Tgt Ion: 99 Resp: 852004
Ion Ratio Lower Upper
99 100
42 21.7 18.7 28.1
71 36.4 29.8 44.6



#8
2-Chlorophenol
Concen: 51.316 ng
RT: 7.501 min Scan# 717
Delta R.T. 0.001 min
Lab File: BG062595.D
Acq: 28 Aug 2024 14:33

Tgt Ion:128 Resp: 235222
Ion Ratio Lower Upper
128 100
130 31.0 11.6 51.6
64 51.9 37.5 77.5

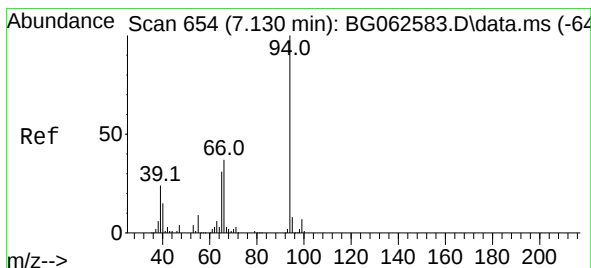
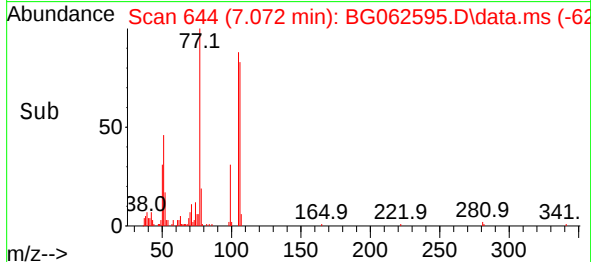
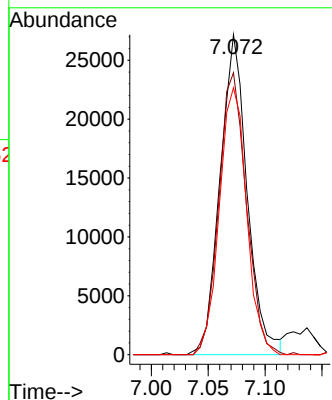
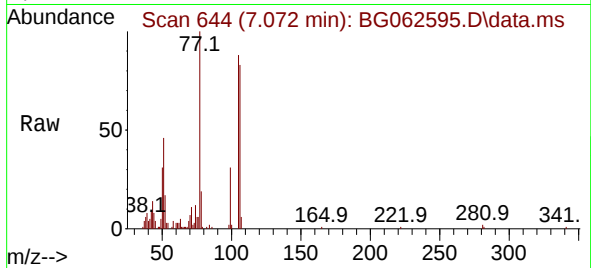




#9
Benzaldehyde
Concen: 11.788 ng
RT: 7.072 min Scan# 644
Delta R.T. -0.005 min
Lab File: BG062595.D
Acq: 28 Aug 2024 14:33

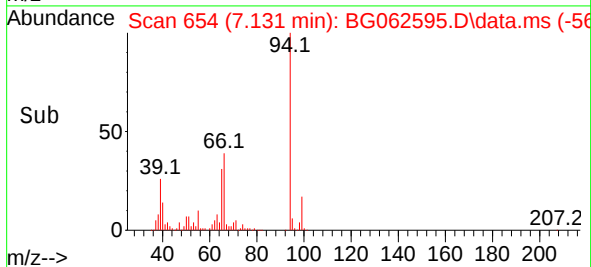
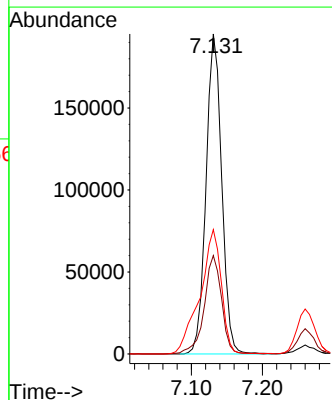
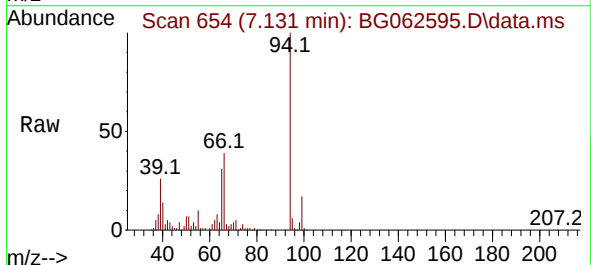
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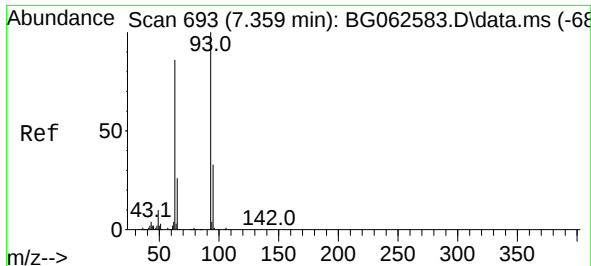
Tgt Ion: 77 Resp: 45100
Ion Ratio Lower Upper
77 100
105 88.1 72.0 112.0
106 83.4 67.7 107.7



#10
Phenol
Concen: 47.596 ng
RT: 7.131 min Scan# 654
Delta R.T. 0.001 min
Lab File: BG062595.D
Acq: 28 Aug 2024 14:33

Tgt Ion: 94 Resp: 299358
Ion Ratio Lower Upper
94 100
65 30.7 11.6 51.6
66 38.9 17.7 57.7





#11

bis(2-Chloroethyl)ether

Concen: 43.563 ng

RT: 7.354 min Scan# 693

Delta R.T. -0.005 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMSD

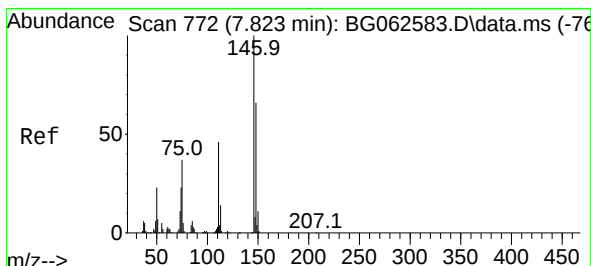
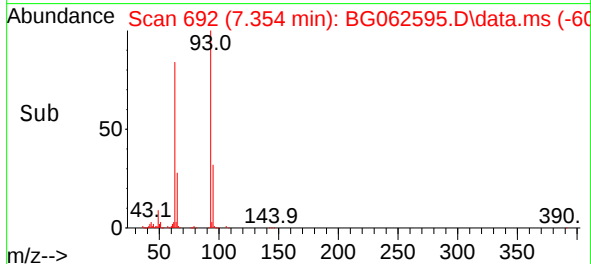
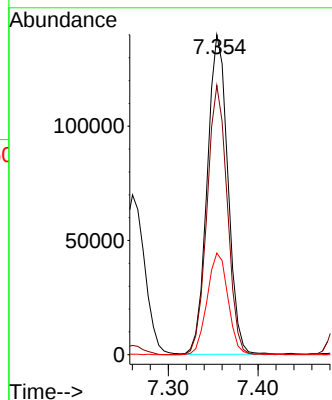
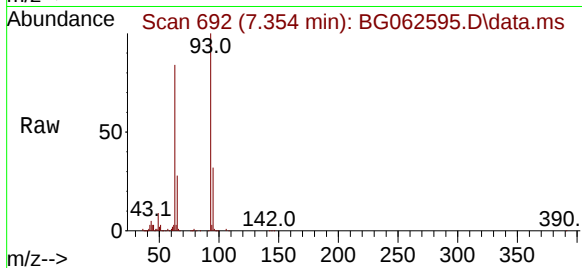
Tgt Ion: 93 Resp: 222799

Ion Ratio Lower Upper

93 100

63 84.1 64.7 104.7

95 31.7 12.3 52.3



#12

1,3-Dichlorobenzene

Concen: 41.057 ng

RT: 7.824 min Scan# 772

Delta R.T. 0.001 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

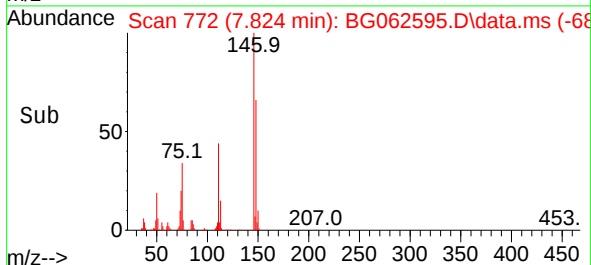
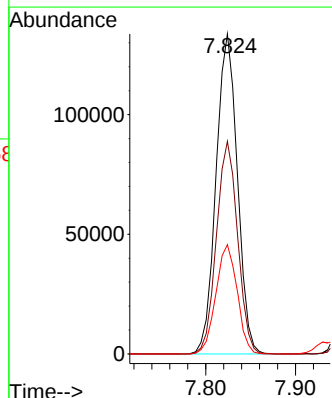
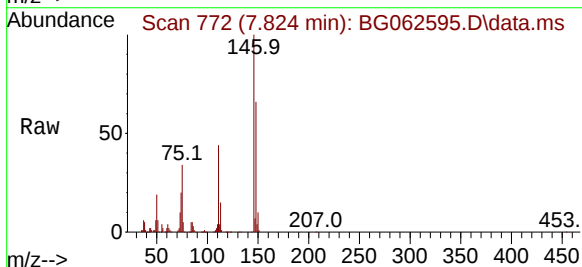
Tgt Ion:146 Resp: 220371

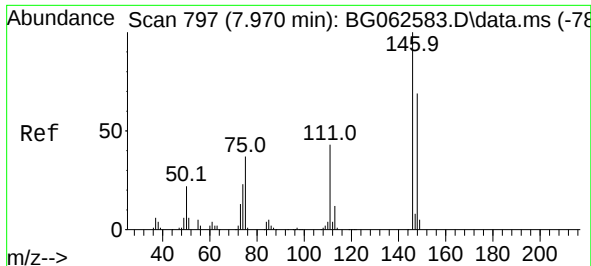
Ion Ratio Lower Upper

146 100

148 66.4 52.6 78.8

75 34.1 29.4 44.0





#13

1,4-Dichlorobenzene

Concen: 41.413 ng

RT: 7.971 min Scan# 797

Delta R.T. 0.001 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMSD

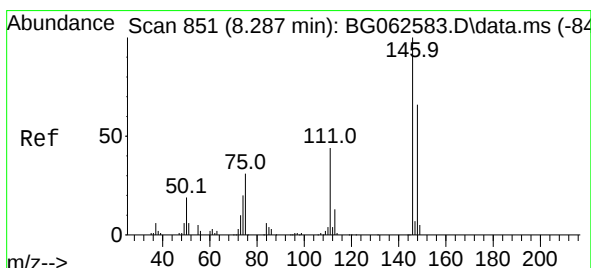
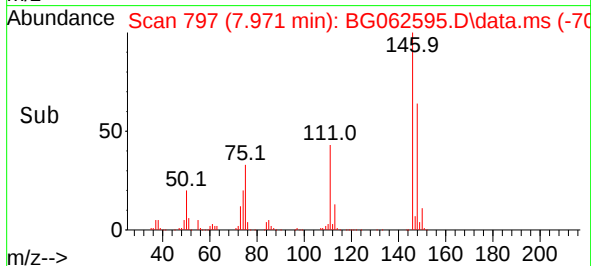
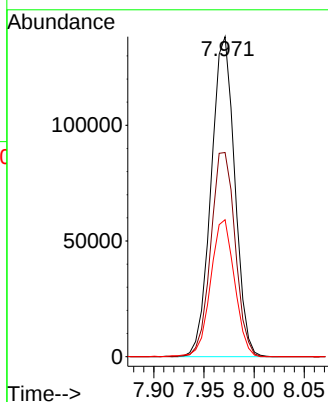
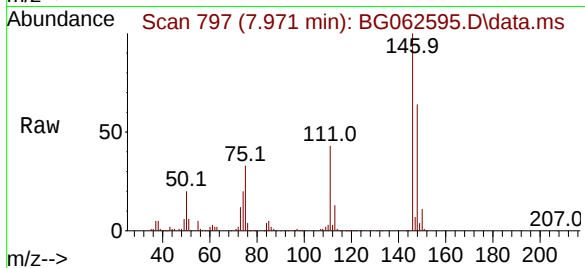
Tgt Ion:146 Resp: 226497

Ion Ratio Lower Upper

146 100

148 63.8 55.0 82.4

111 42.8 34.8 52.2



#14

1,2-Dichlorobenzene

Concen: 40.564 ng

RT: 8.282 min Scan# 850

Delta R.T. -0.005 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

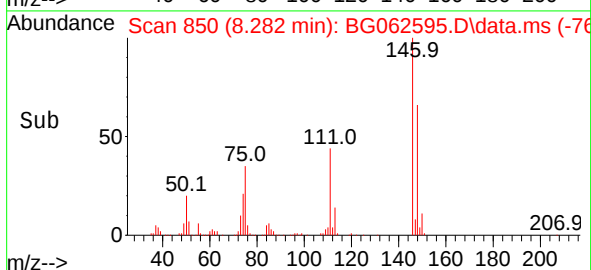
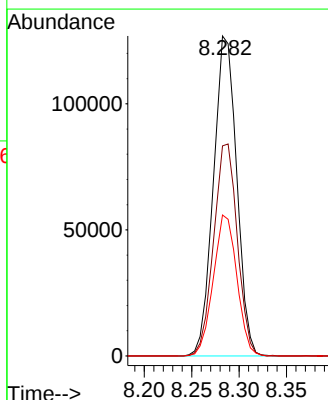
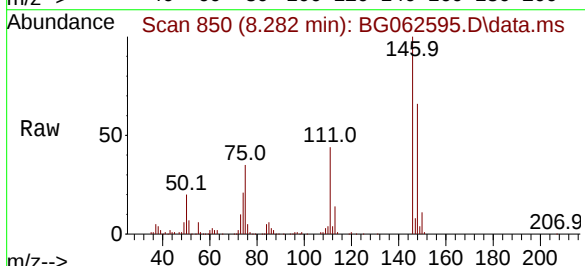
Tgt Ion:146 Resp: 217085

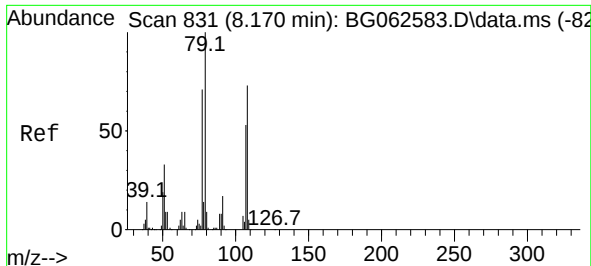
Ion Ratio Lower Upper

146 100

148 65.7 52.6 79.0

111 44.1 35.6 53.4

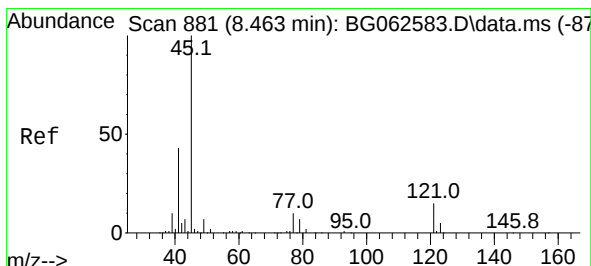
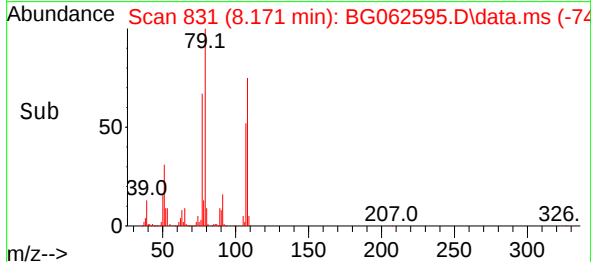
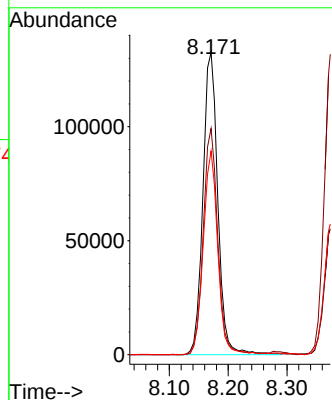
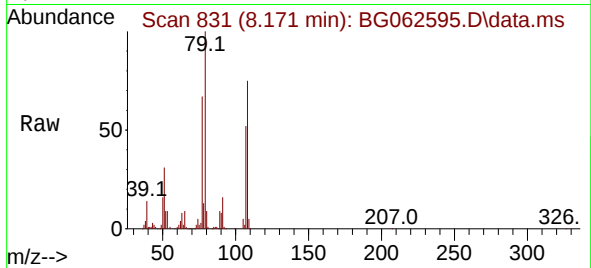




#15
Benzyl Alcohol
Concen: 55.159 ng
RT: 8.171 min Scan# 841
Delta R.T. 0.001 min
Lab File: BG062595.D
Acq: 28 Aug 2024 14:33

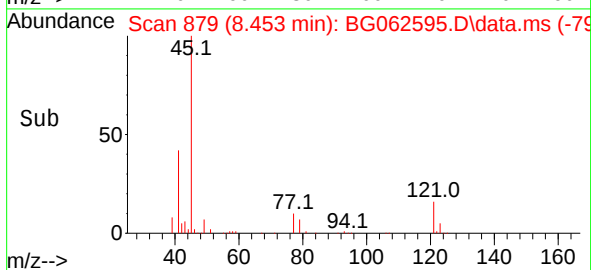
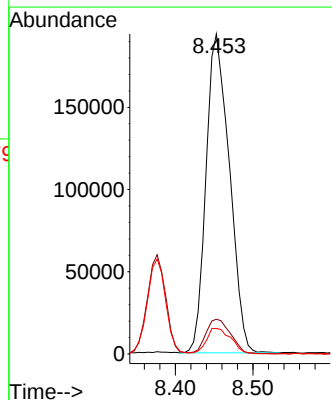
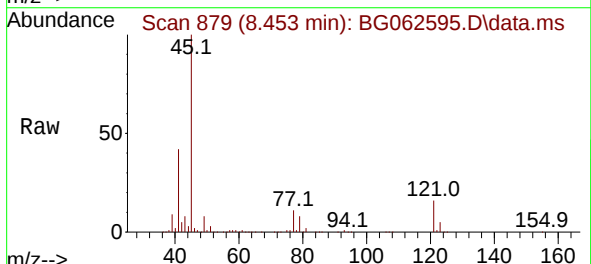
Instrument :
BNA_G
ClientSampleId :
MOO-SOIL-PILEMSD

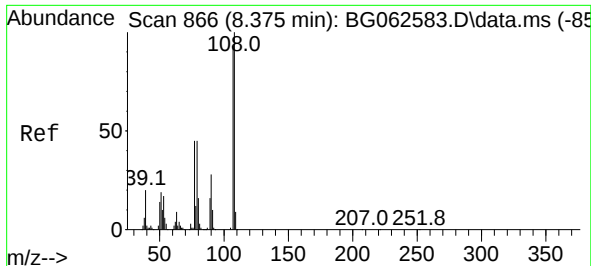
Tgt Ion: 79 Resp: 232723
Ion Ratio Lower Upper
79 100
108 74.8 58.2 87.2
77 67.4 56.5 84.7



#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.895 ng
RT: 8.453 min Scan# 879
Delta R.T. -0.011 min
Lab File: BG062595.D
Acq: 28 Aug 2024 14:33

Tgt Ion: 45 Resp: 406976
Ion Ratio Lower Upper
45 100
77 10.9 0.0 31.2
79 8.0 0.0 28.2





#17

2-Methylphenol

Concen: 49.821 ng

RT: 8.376 min Scan# 866

Delta R.T. 0.001 min

Lab File: BG062595.D

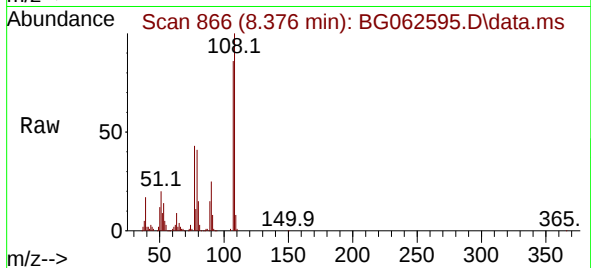
Acq: 28 Aug 2024 14:33

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMSD



Tgt Ion:107 Resp: 209304

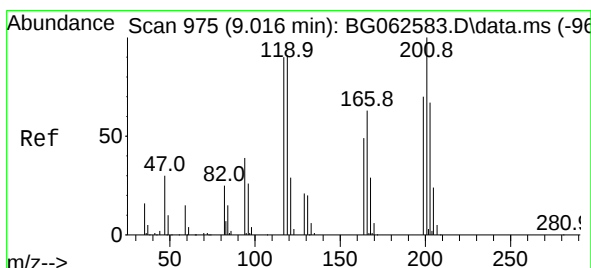
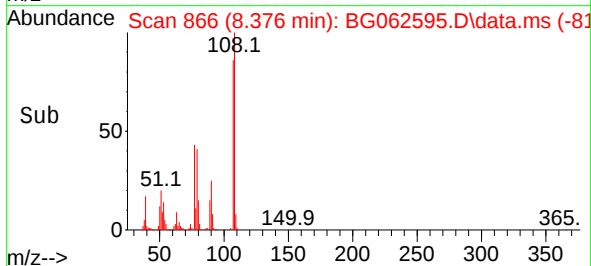
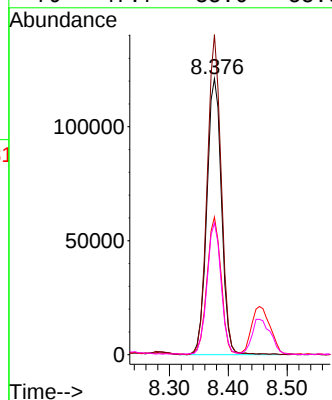
Ion Ratio Lower Upper

107 100

108 115.9 85.6 128.4

77 49.8 38.6 58.0

79 47.7 38.6 58.0



#18

Hexachloroethane

Concen: 41.651 ng

RT: 9.011 min Scan# 974

Delta R.T. -0.005 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

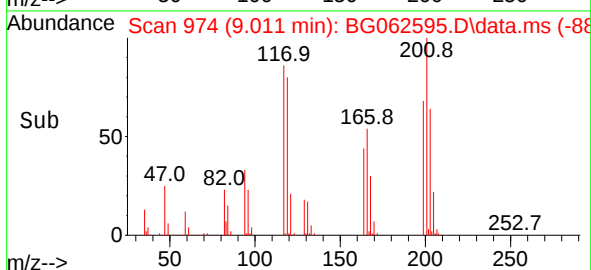
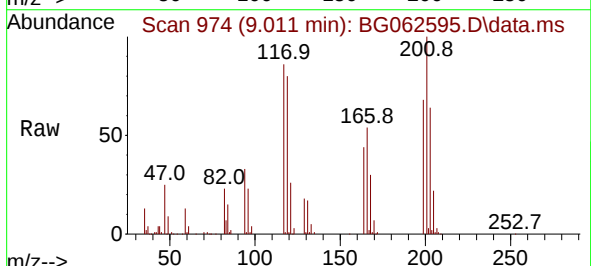
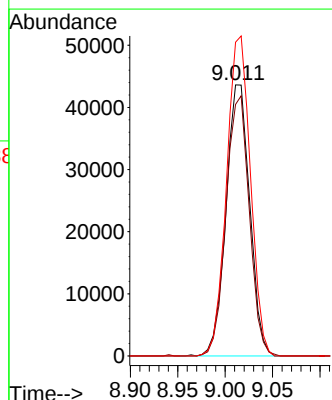
Tgt Ion:117 Resp: 76004

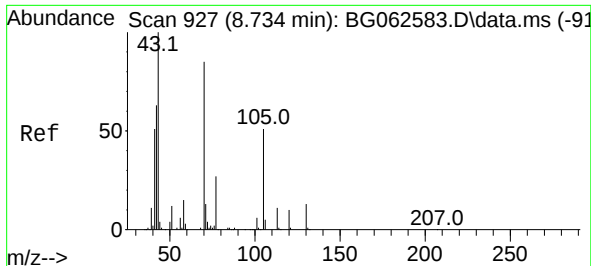
Ion Ratio Lower Upper

117 100

119 91.9 81.6 122.4

201 114.7 89.4 134.0



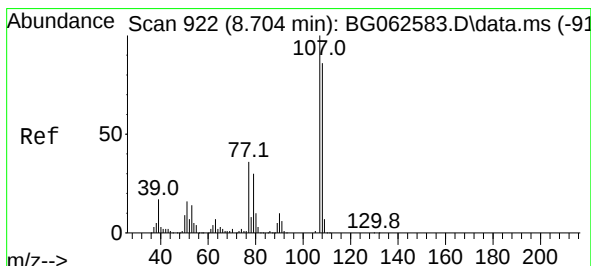
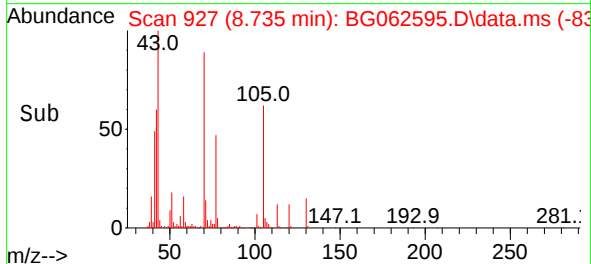
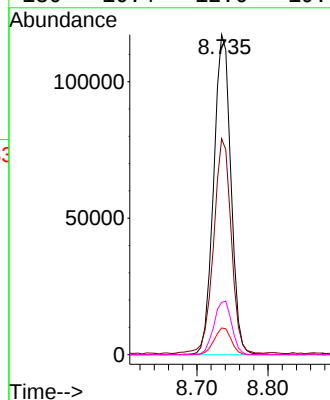
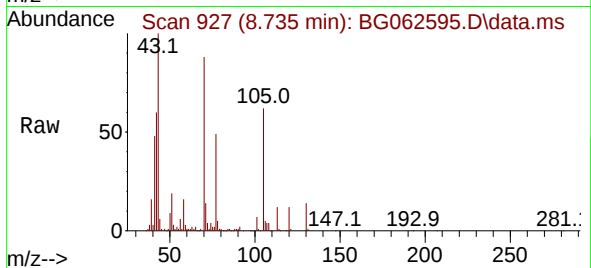


#19
n-Nitroso-di-n-propylamine
Concen: 48.606 ng
RT: 8.735 min Scan# 91
Delta R.T. 0.001 min
Lab File: BG062595.D
Acq: 28 Aug 2024 14:33

Instrument :
BNA_G
ClientSampleId :
MOO-SOIL-PILEMSD

Tgt Ion: 70 Resp: 197268

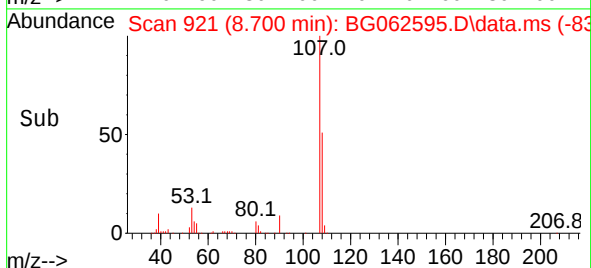
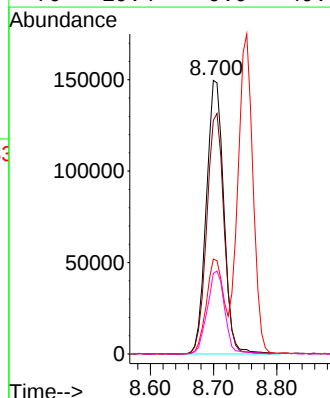
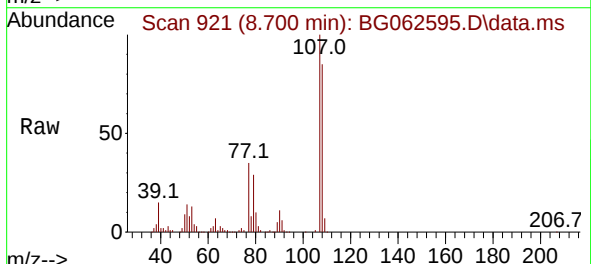
Ion	Ratio	Lower	Upper
70	100		
42	67.5	60.0	90.0
101	8.3	6.1	9.1
130	16.4	12.6	19.0

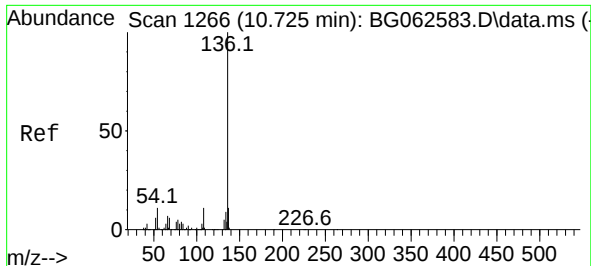


#20
3+4-Methylphenols
Concen: 49.941 ng
RT: 8.700 min Scan# 921
Delta R.T. -0.005 min
Lab File: BG062595.D
Acq: 28 Aug 2024 14:33

Tgt Ion: 107 Resp: 286900

Ion	Ratio	Lower	Upper
107	100		
108	85.3	66.0	106.0
77	34.7	16.1	56.1
79	29.4	9.9	49.9

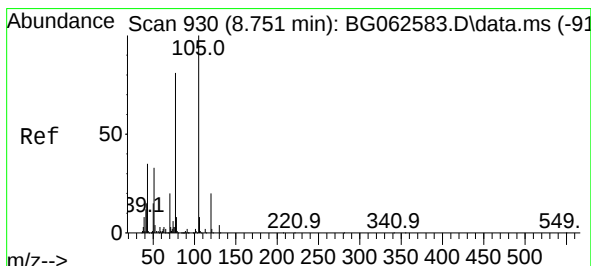
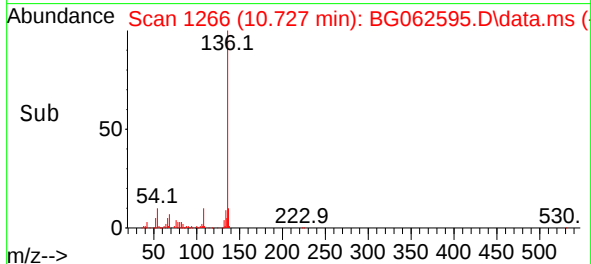
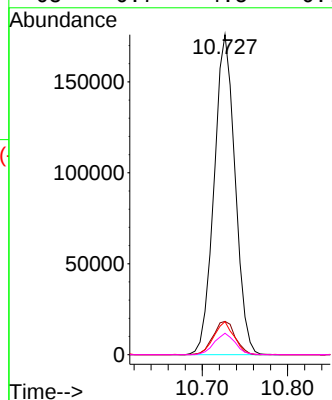
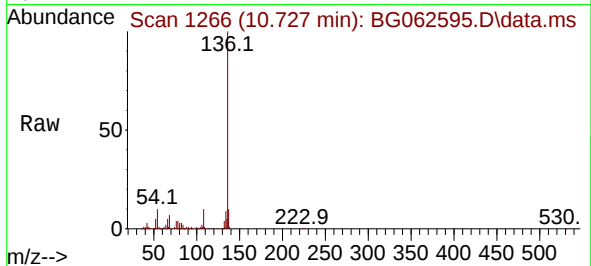




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.727 min Scan# 1266
Delta R.T. 0.001 min
Lab File: BG062595.D
Acq: 28 Aug 2024 14:33

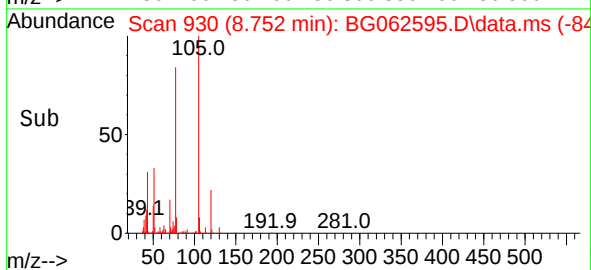
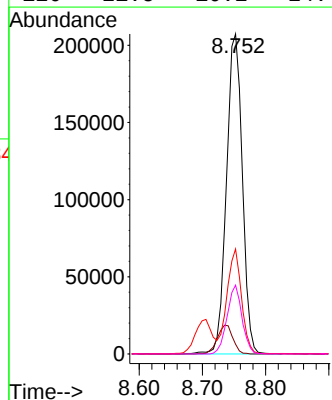
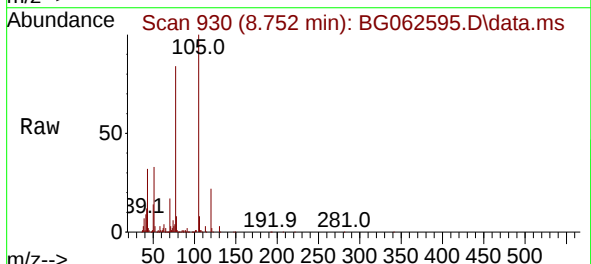
Instrument :
BNA_G
ClientSampleId :
MOO-SOIL-PILEMSD

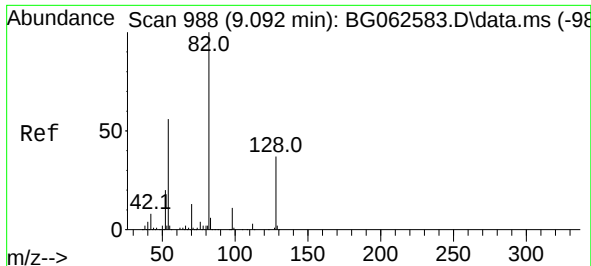
Tgt Ion:	136	Resp:	301049
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.8	13.2
54	10.4	9.0	13.4
68	6.7	4.5	6.7



#22
Acetophenone
Concen: 48.095 ng
RT: 8.752 min Scan# 930
Delta R.T. 0.001 min
Lab File: BG062595.D
Acq: 28 Aug 2024 14:33

Tgt Ion:	105	Resp:	361316
Ion	Ratio	Lower	Upper
105	100		
71	3.1	2.5	3.7
51	32.8	26.6	40.0
120	21.5	16.2	24.4





#23

Nitrobenzene-d5

Concen: 109.413 ng

RT: 9.087 min Scan# 90

Delta R.T. -0.005 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMSD

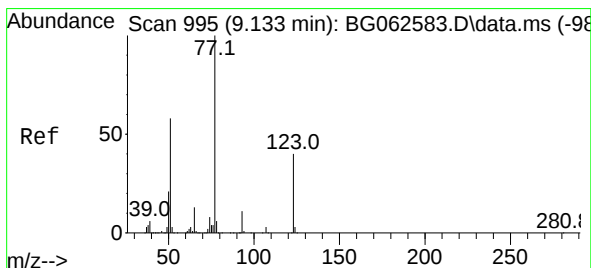
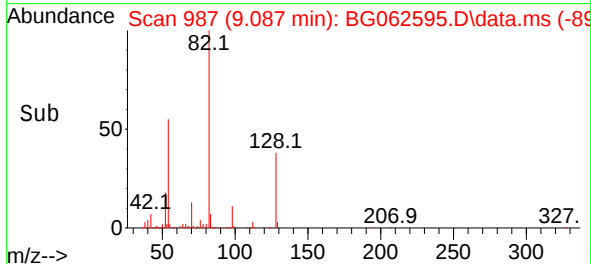
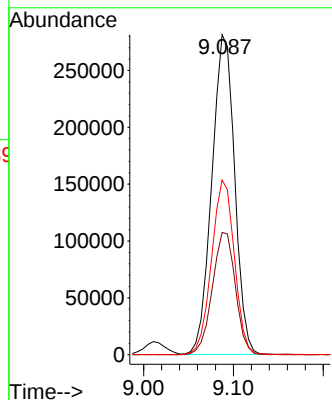
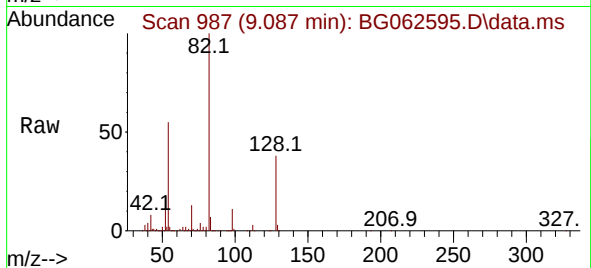
Tgt Ion: 82 Resp: 496314

Ion Ratio Lower Upper

82 100

128 38.2 29.7 44.5

54 54.6 44.4 66.6



#24

Nitrobenzene

Concen: 50.400 ng

RT: 9.128 min Scan# 994

Delta R.T. -0.005 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

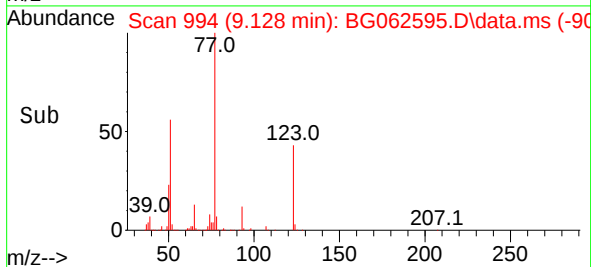
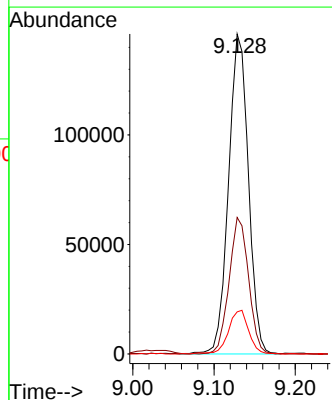
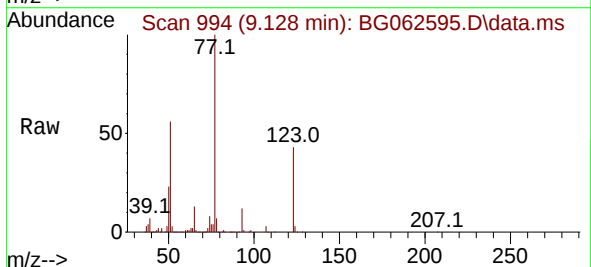
Tgt Ion: 77 Resp: 247577

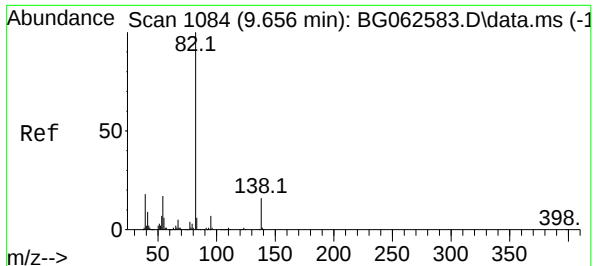
Ion Ratio Lower Upper

77 100

123 42.7 32.0 48.0

65 13.2 10.6 15.8





#25

Isophorone

Concen: 48.756 ng

RT: 9.651 min Scan# 1

Delta R.T. -0.005 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMSD

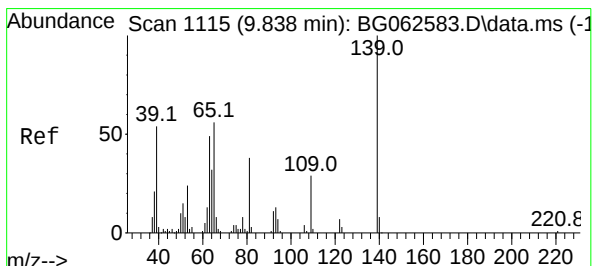
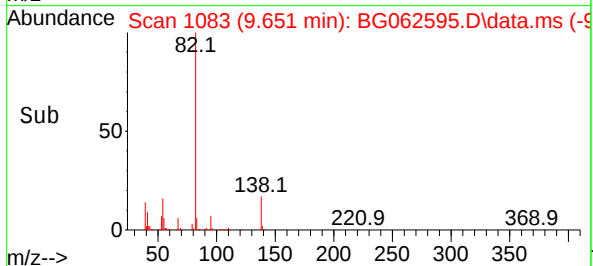
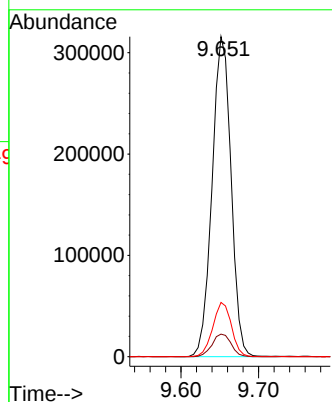
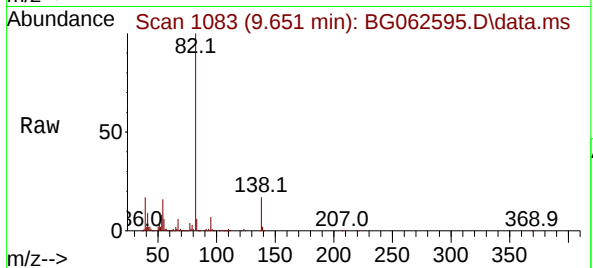
Tgt Ion: 82 Resp: 536474

Ion Ratio Lower Upper

82 100

95 7.1 5.2 7.8

138 17.0 13.0 19.4



#26

2-Nitrophenol

Concen: 58.132 ng

RT: 9.839 min Scan# 1115

Delta R.T. 0.001 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

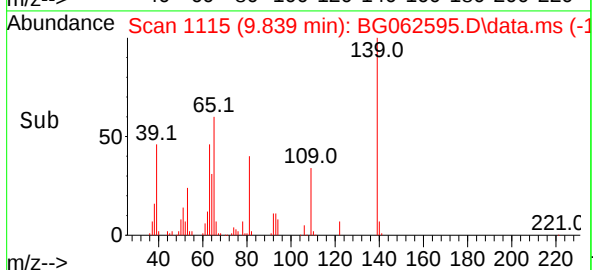
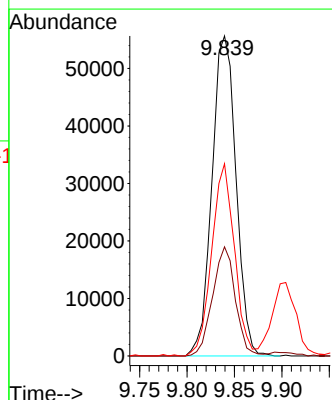
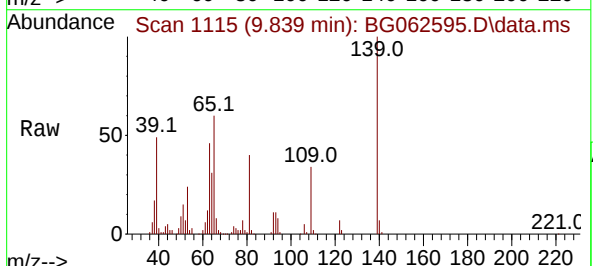
Tgt Ion:139 Resp: 98256

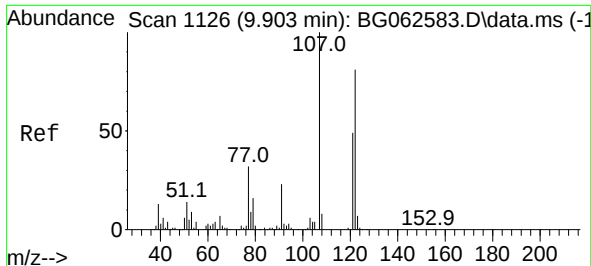
Ion Ratio Lower Upper

139 100

109 34.1 23.1 34.7

65 60.0 44.6 67.0





#27

2,4-Dimethylphenol

Concen: 69.540 ng

RT: 9.904 min Scan# 1126

Delta R.T. 0.001 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMSD

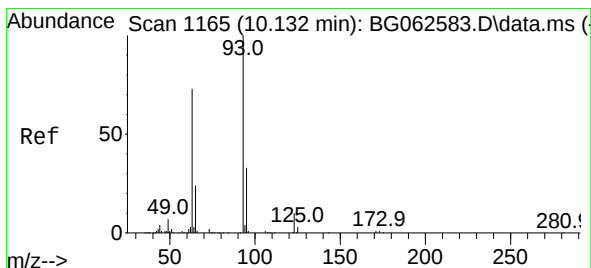
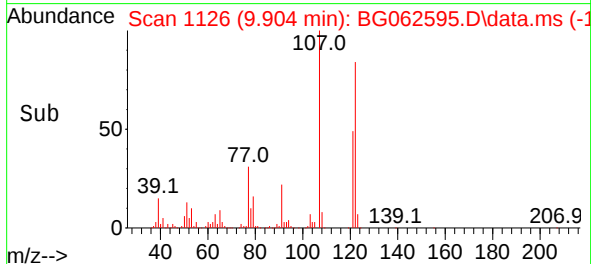
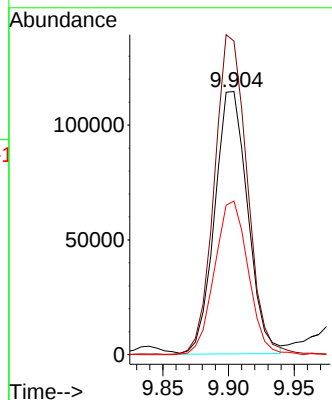
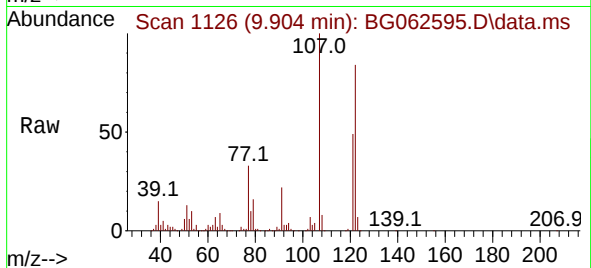
Tgt Ion:122 Resp: 199970

Ion Ratio Lower Upper

122 100

107 119.1 98.0 147.0

121 58.4 48.2 72.4



#28

bis(2-Chloroethoxy)methane

Concen: 49.855 ng

RT: 10.133 min Scan# 1165

Delta R.T. 0.001 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

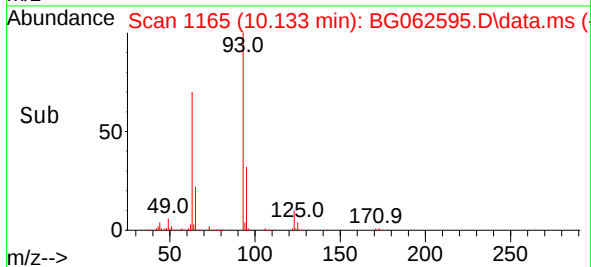
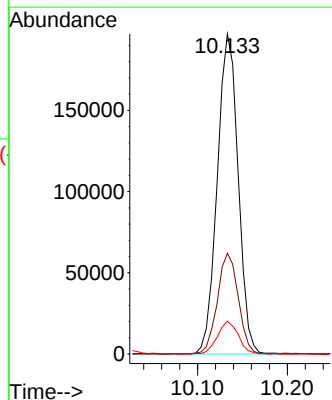
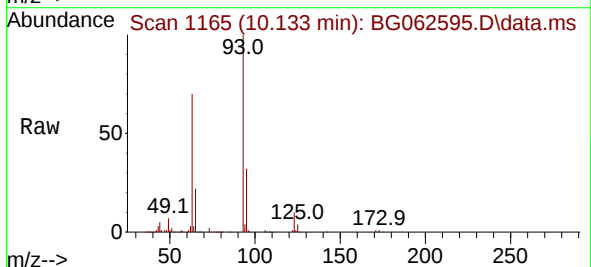
Tgt Ion: 93 Resp: 317975

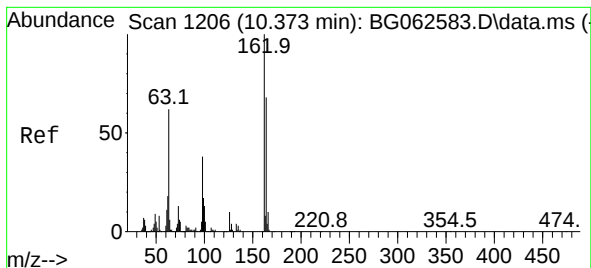
Ion Ratio Lower Upper

93 100

95 31.5 26.6 39.8

123 10.3 8.2 12.2





#29

2,4-Dichlorophenol

Concen: 57.629 ng

RT: 10.374 min Scan# 1206

Delta R.T. 0.001 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMSD

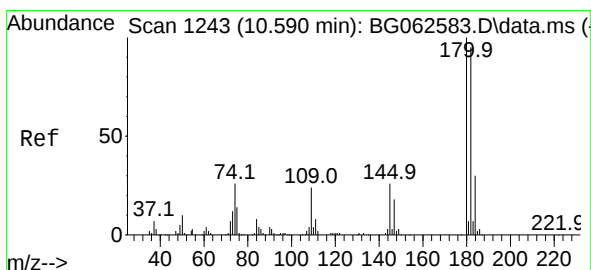
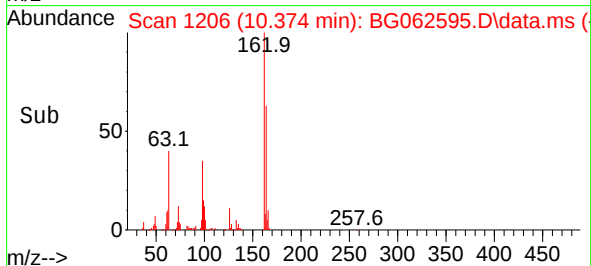
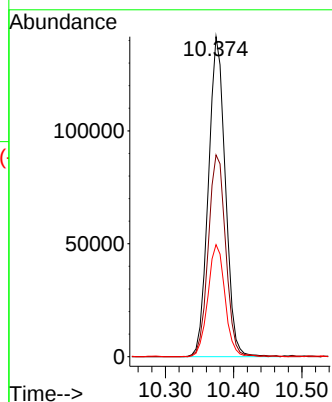
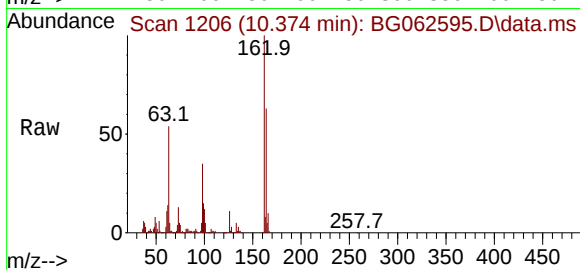
Tgt Ion:162 Resp: 245338

Ion Ratio Lower Upper

162 100

164 63.1 47.5 87.5

98 35.0 17.6 57.6



#30

1,2,4-Trichlorobenzene

Concen: 45.234 ng

RT: 10.591 min Scan# 1243

Delta R.T. 0.001 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

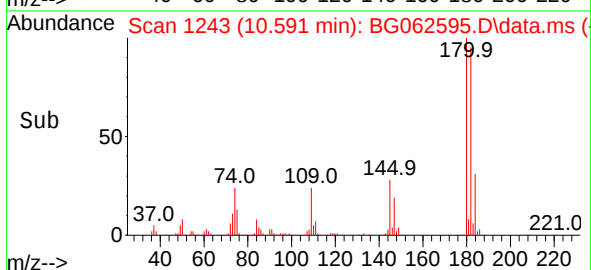
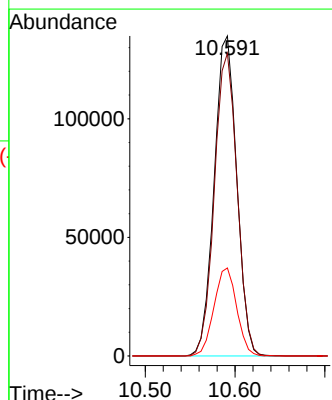
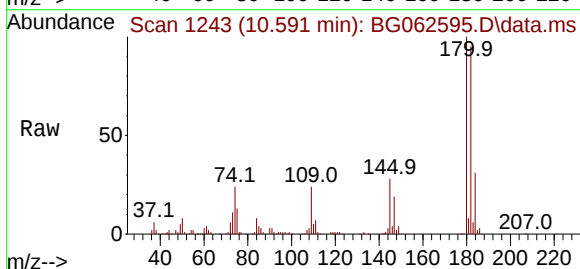
Tgt Ion:180 Resp: 235246

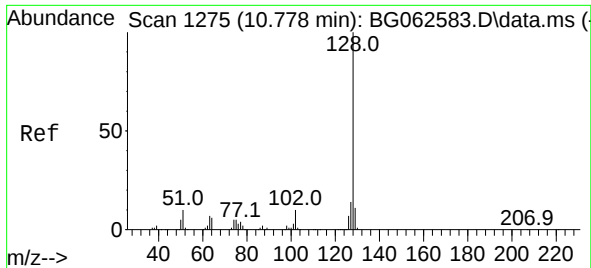
Ion Ratio Lower Upper

180 100

182 94.6 75.6 113.4

145 27.5 21.1 31.7

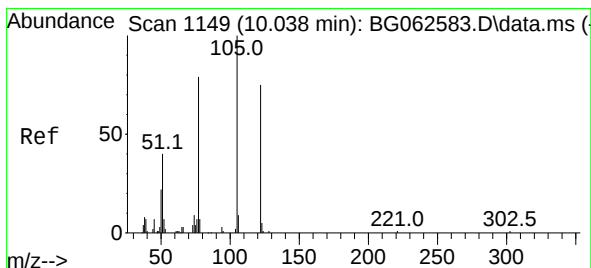
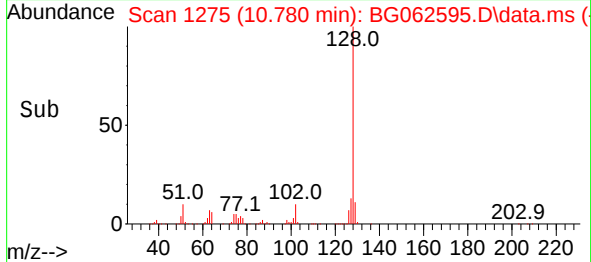
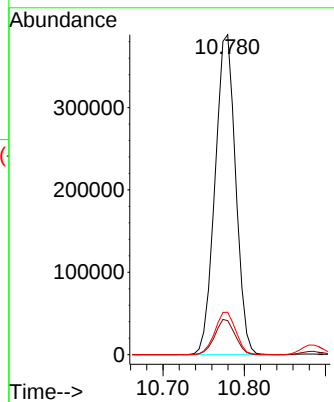
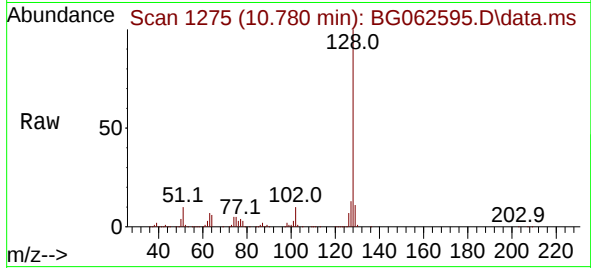




#31
Naphthalene
Concen: 45.519 ng
RT: 10.780 min Scan# 1146
Delta R.T. 0.002 min
Lab File: BG062595.D
Acq: 28 Aug 2024 14:33

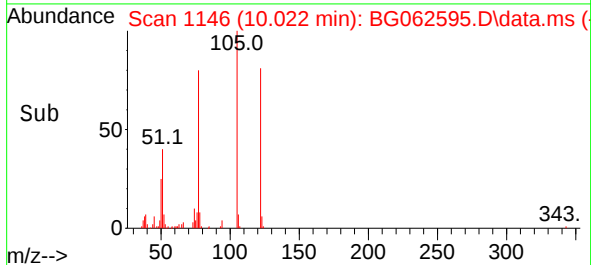
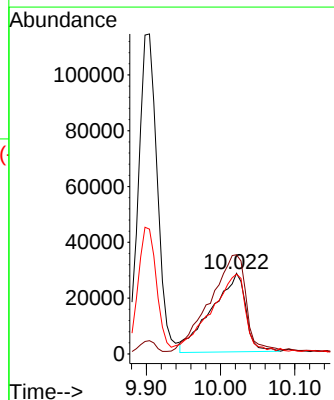
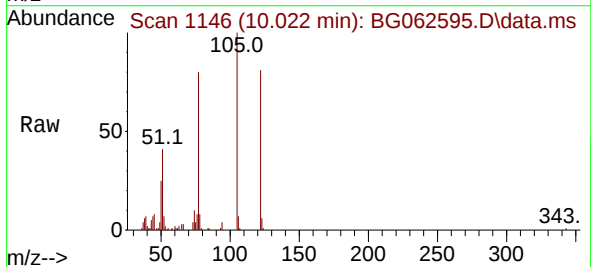
Instrument :
BNA_G
ClientSampleId :
MOO-SOIL-PILEMSD

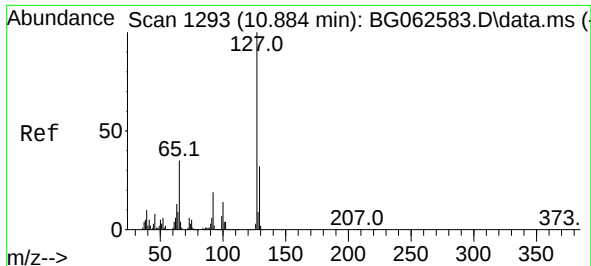
Tgt Ion:128 Resp: 684004
Ion Ratio Lower Upper
128 100
129 10.6 8.4 12.6
127 13.2 11.0 16.6



#32
Benzoic acid
Concen: 37.785 ng
RT: 10.022 min Scan# 1146
Delta R.T. -0.016 min
Lab File: BG062595.D
Acq: 28 Aug 2024 14:33

Tgt Ion:122 Resp: 89881
Ion Ratio Lower Upper
122 100
105 123.0 104.4 144.4
77 98.9 81.4 121.4





#33

4-Chloroaniline

Concen: 4.342 ng

RT: 10.879 min Scan# 1292

Delta R.T. -0.005 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMSD

Tgt Ion:127 Resp: 23702

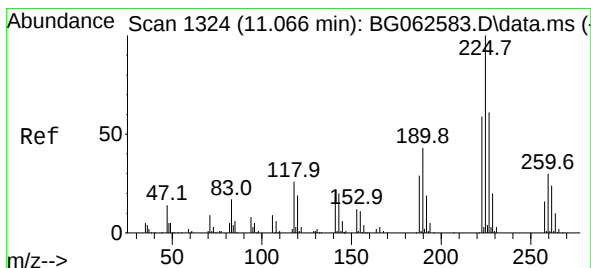
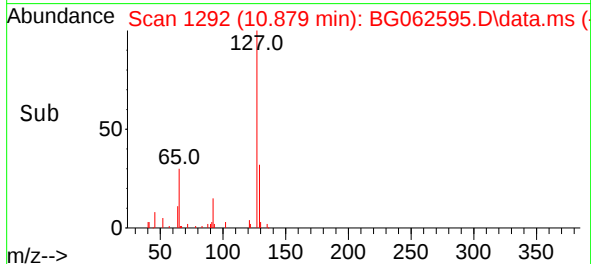
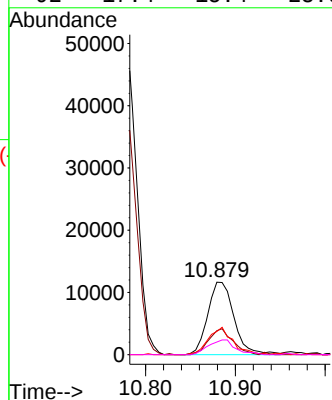
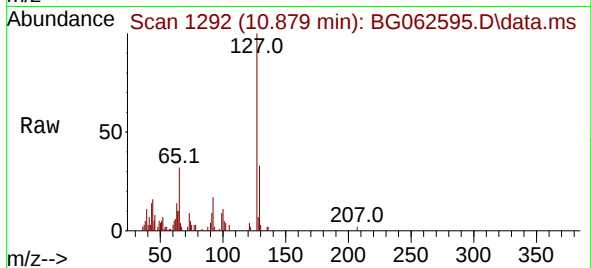
Ion Ratio Lower Upper

127 100

129 33.2 25.8 38.6

65 32.1 27.7 41.5

92 17.4 15.4 23.0



#34

Hexachlorobutadiene

Concen: 44.609 ng

RT: 11.062 min Scan# 1323

Delta R.T. -0.005 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

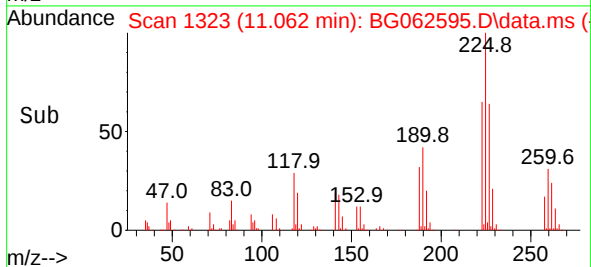
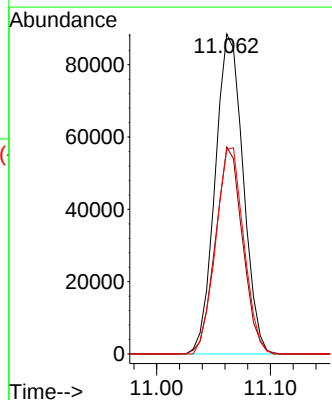
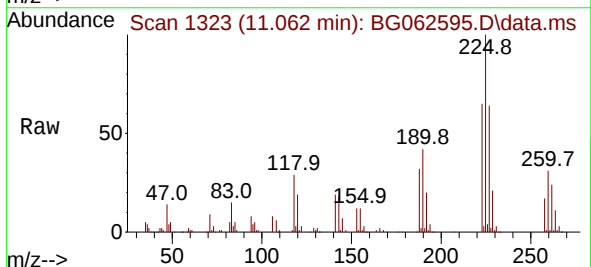
Tgt Ion:225 Resp: 151350

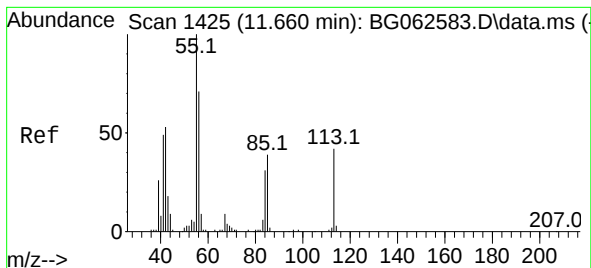
Ion Ratio Lower Upper

225 100

223 64.6 47.4 71.0

227 66.3 48.6 72.8





#35

Caprolactam

Concen: 26.488 ng

RT: 11.661 min Scan# 1425

Delta R.T. 0.001 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMSD

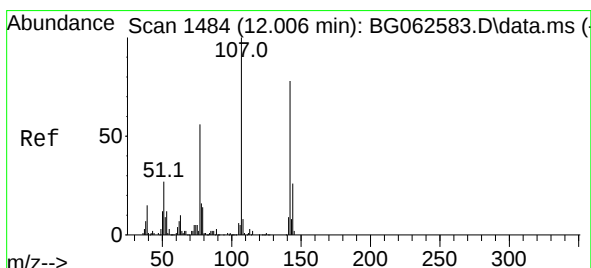
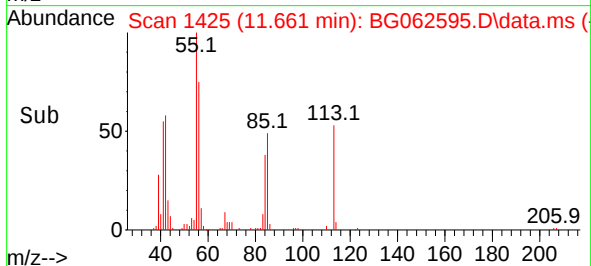
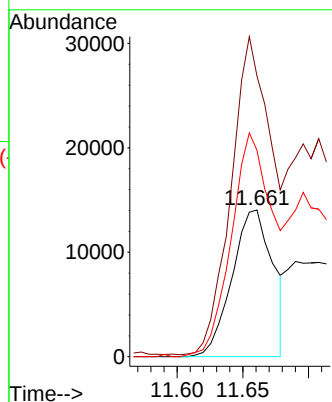
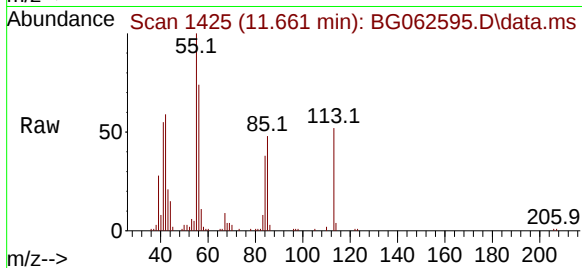
Tgt Ion:113 Resp: 30386

Ion Ratio Lower Upper

113 100

55 191.2 220.5 260.5#

56 140.6 151.4 191.4#



#36

4-Chloro-3-methylphenol

Concen: 55.850 ng

RT: 12.013 min Scan# 1485

Delta R.T. 0.007 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

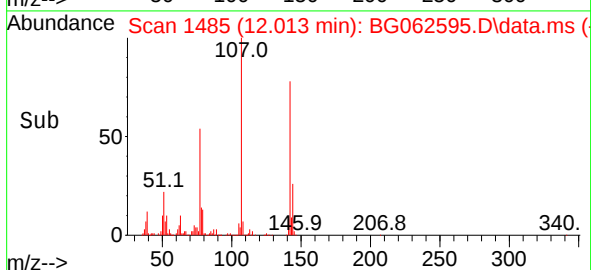
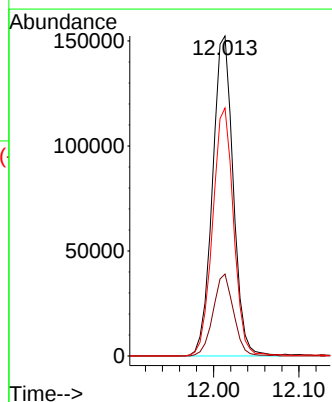
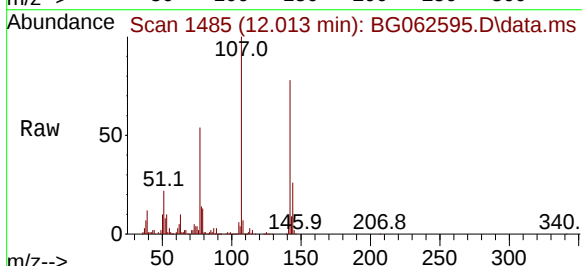
Tgt Ion:107 Resp: 257628

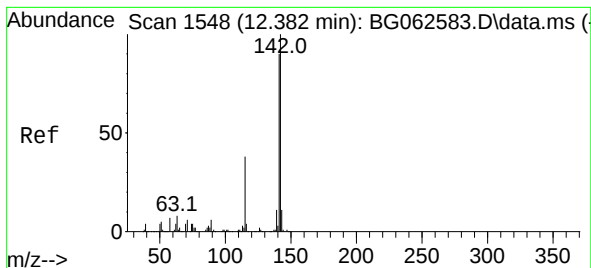
Ion Ratio Lower Upper

107 100

144 25.6 20.8 31.2

142 77.5 62.5 93.7





#37

2-Methylnaphthalene

Concen: 47.874 ng

RT: 12.384 min Scan# 1548

Delta R.T. 0.001 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMSD

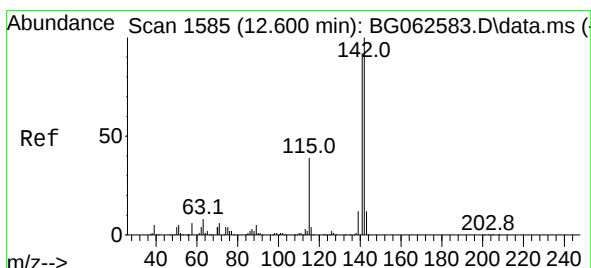
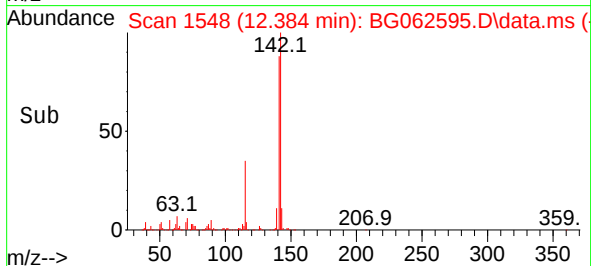
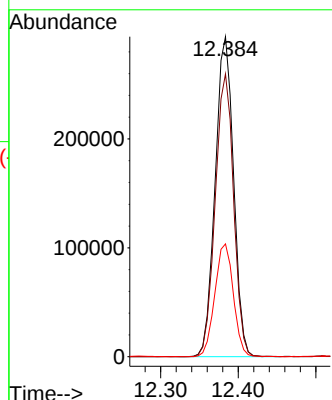
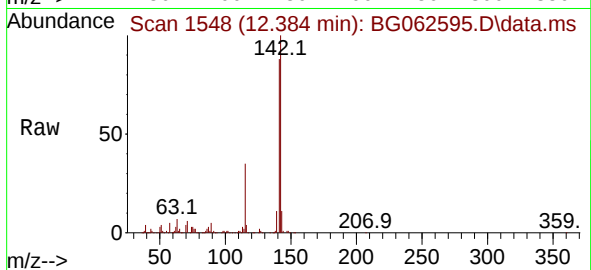
Tgt Ion:142 Resp: 484699

Ion Ratio Lower Upper

142 100

141 88.3 71.8 107.6

115 35.2 30.6 46.0



#38

1-Methylnaphthalene

Concen: 45.500 ng

RT: 12.601 min Scan# 1585

Delta R.T. 0.001 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

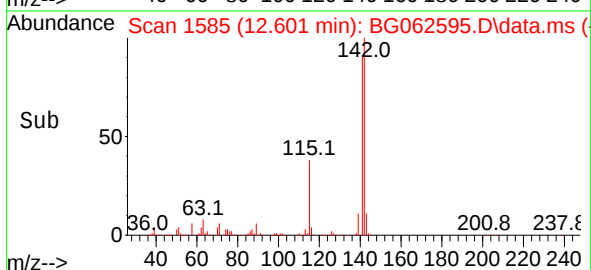
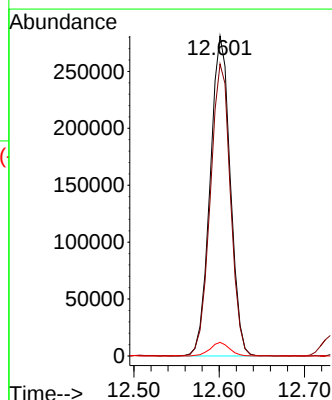
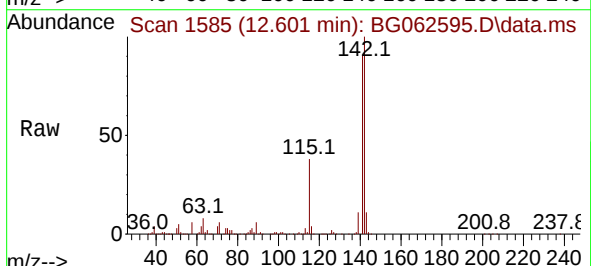
Tgt Ion:142 Resp: 460936

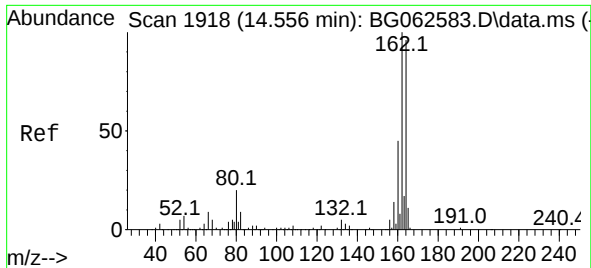
Ion Ratio Lower Upper

142 100

141 91.2 73.6 110.4

116 4.2 3.3 4.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.557 min Scan# 1

Delta R.T. 0.001 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMSD

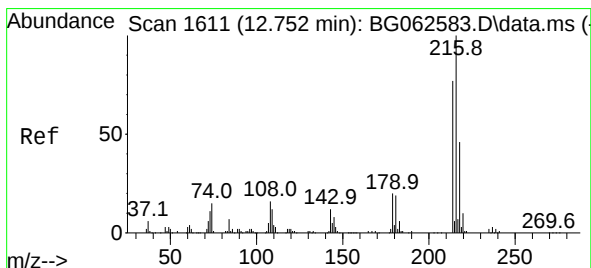
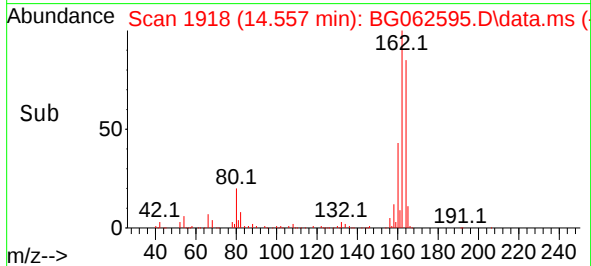
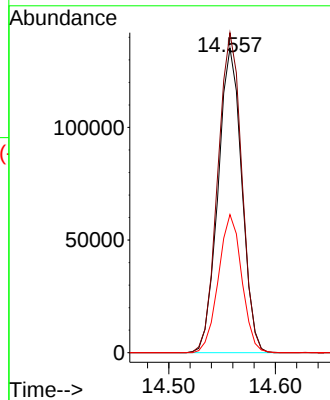
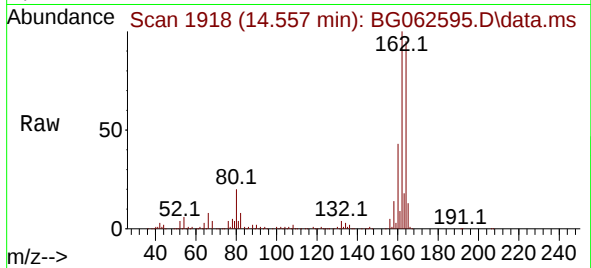
Tgt Ion:164 Resp: 208779

Ion Ratio Lower Upper

164 100

162 105.0 83.0 124.6

160 45.3 37.7 56.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 50.187 ng

RT: 12.754 min Scan# 1611

Delta R.T. 0.001 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

Tgt Ion:216 Resp: 298432

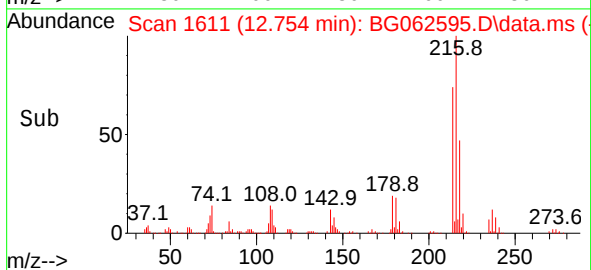
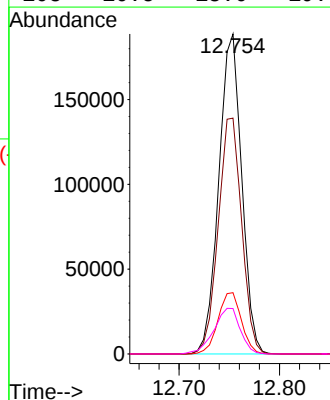
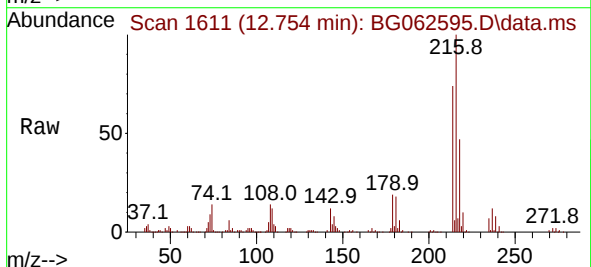
Ion Ratio Lower Upper

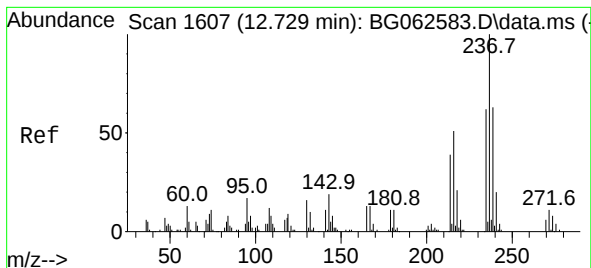
216 100

214 75.4 60.9 91.3

179 19.6 16.0 24.0

108 16.5 13.0 19.4





#41

Hexachlorocyclopentadiene

Concen: 194.411 ng

RT: 12.736 min Scan# 1

Delta R.T. 0.007 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMSD

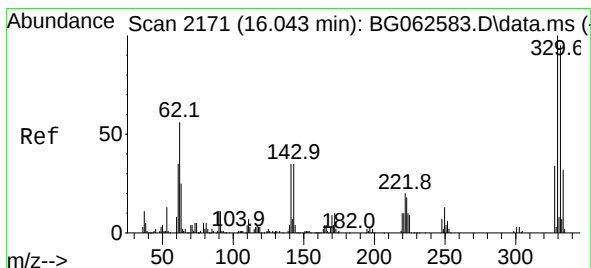
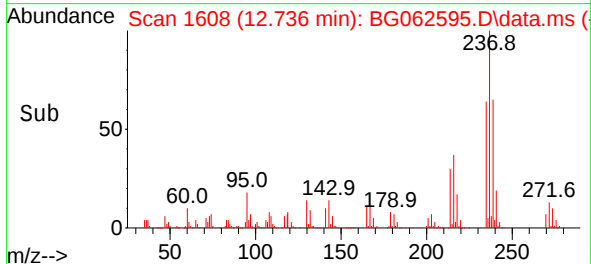
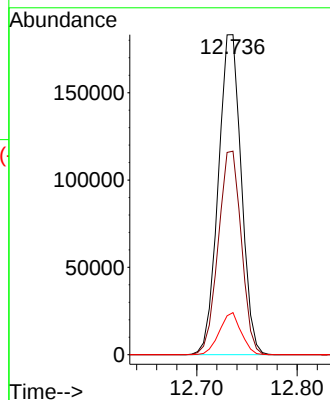
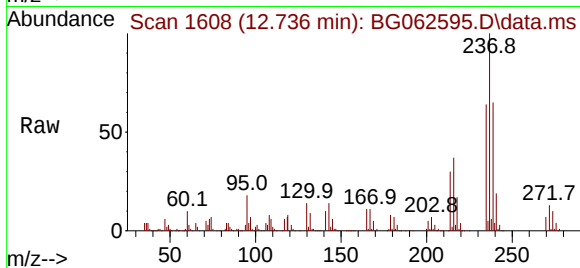
Tgt Ion:237 Resp: 290657

Ion Ratio Lower Upper

237 100

235 63.6 41.8 81.8

272 13.2 0.0 31.4



#42

2,4,6-Tribromophenol

Concen: 191.066 ng

RT: 16.050 min Scan# 2172

Delta R.T. 0.007 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

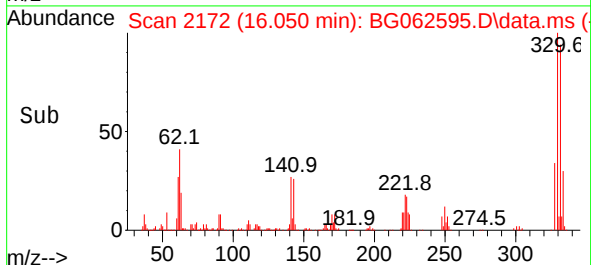
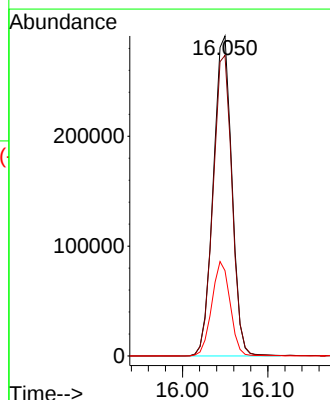
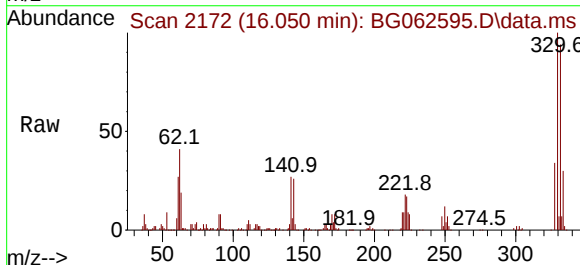
Tgt Ion:330 Resp: 440648

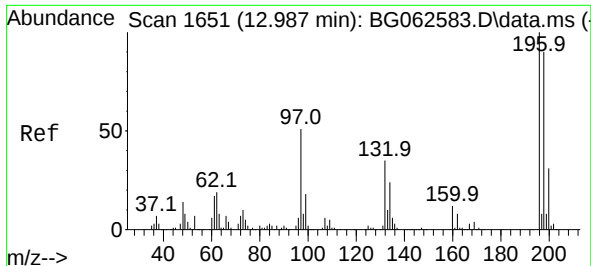
Ion Ratio Lower Upper

330 100

332 95.6 77.6 116.4

141 29.2 26.5 39.7





#43

2,4,6-Trichlorophenol

Concen: 61.197 ng

RT: 12.989 min Scan# 1

Delta R.T. 0.002 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMSD

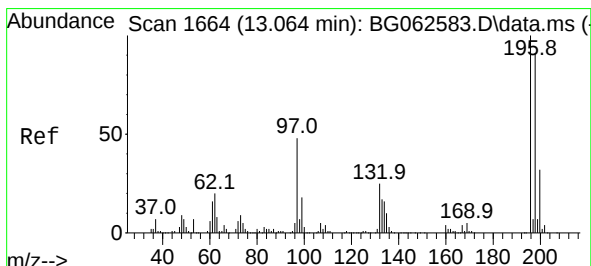
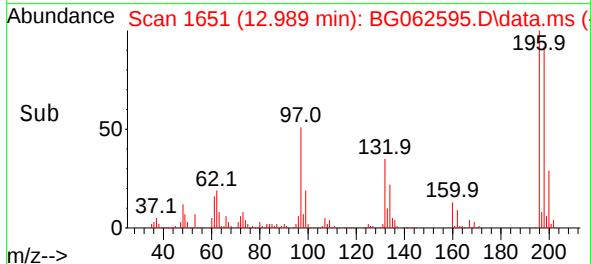
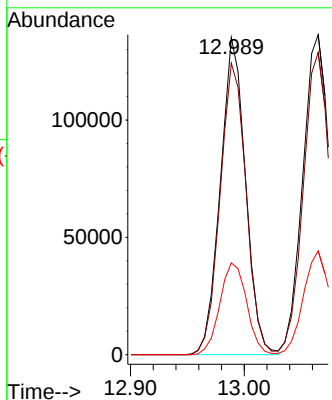
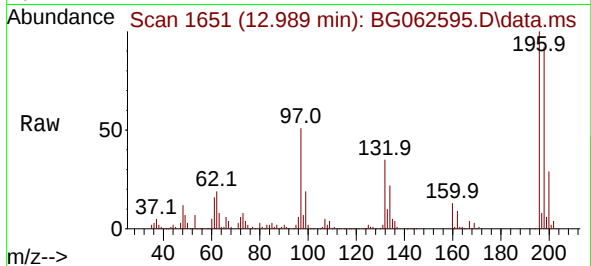
Tgt Ion:196 Resp: 208277

Ion Ratio Lower Upper

196 100

198 91.9 71.8 107.8

200 28.9 24.6 37.0



#44

2,4,5-Trichlorophenol

Concen: 57.735 ng

RT: 13.065 min Scan# 1664

Delta R.T. 0.001 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

Tgt Ion:196 Resp: 231574

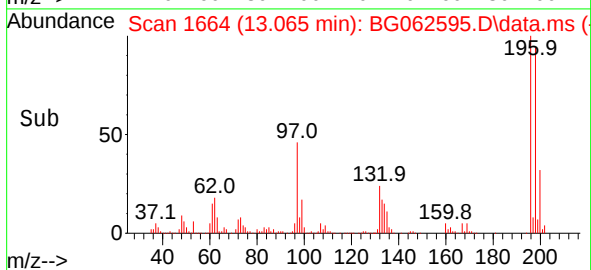
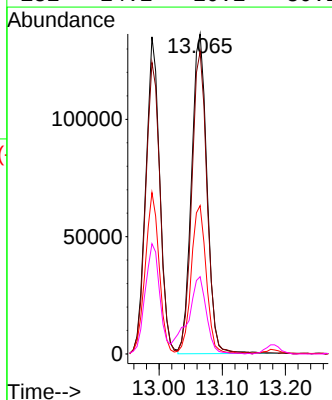
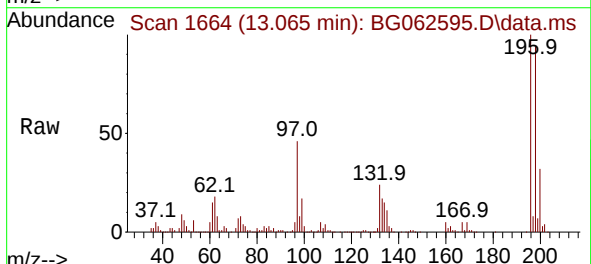
Ion Ratio Lower Upper

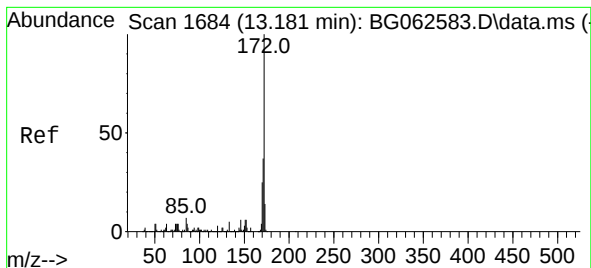
196 100

198 94.5 72.6 108.8

97 46.3 38.7 58.1

132 24.2 20.2 30.2

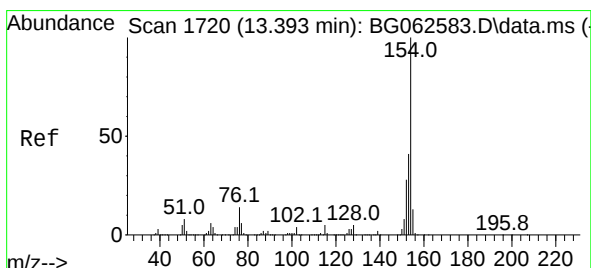
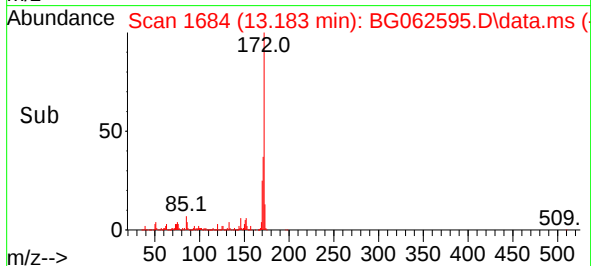
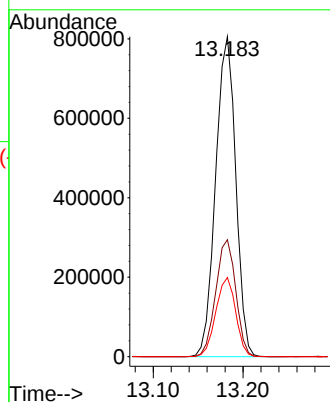
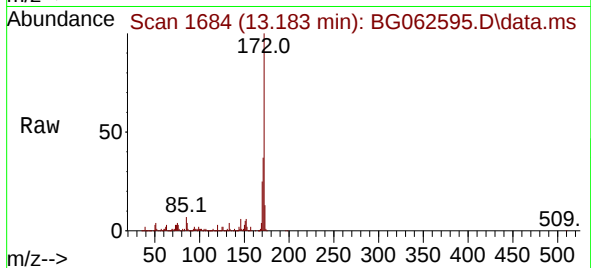




#45
2-Fluorobiphenyl
Concen: 98.587 ng
RT: 13.183 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG062595.D
Acq: 28 Aug 2024 14:33

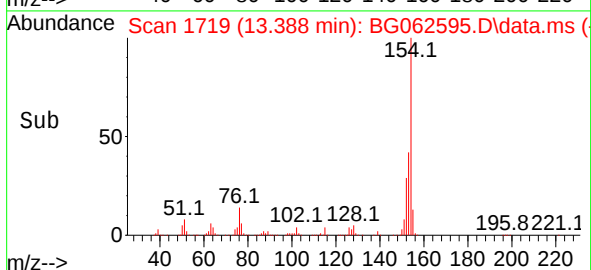
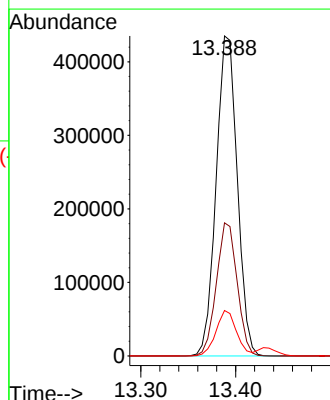
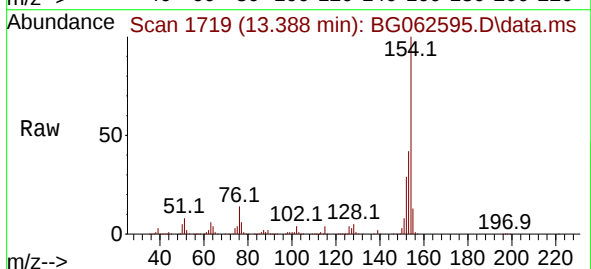
Instrument :
BNA_G
ClientSampleId :
MOO-SOIL-PILEMSD

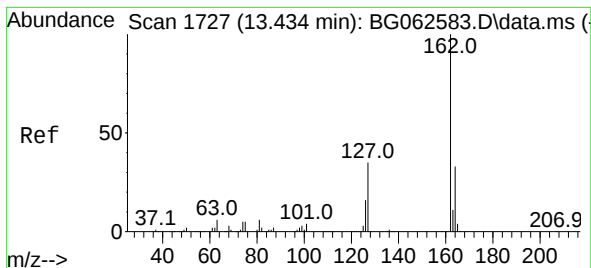
Tgt Ion:172 Resp: 1251772
Ion Ratio Lower Upper
172 100
171 36.6 29.7 44.5
170 24.8 20.1 30.1



#46
1,1'-Biphenyl
Concen: 48.248 ng
RT: 13.388 min Scan# 1719
Delta R.T. -0.005 min
Lab File: BG062595.D
Acq: 28 Aug 2024 14:33

Tgt Ion:154 Resp: 673982
Ion Ratio Lower Upper
154 100
153 41.6 21.1 61.1
76 14.2 0.0 33.5





#47

2-Chloronaphthalene

Concen: 48.519 ng

RT: 13.435 min Scan# 1

Delta R.T. 0.001 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMSD

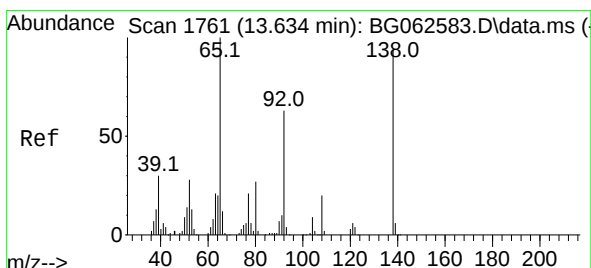
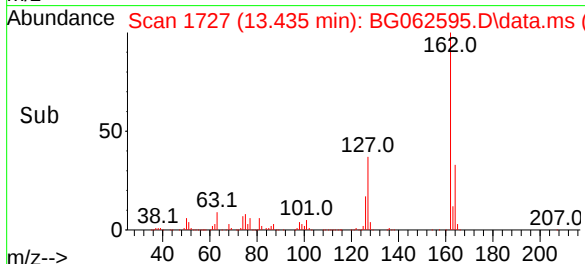
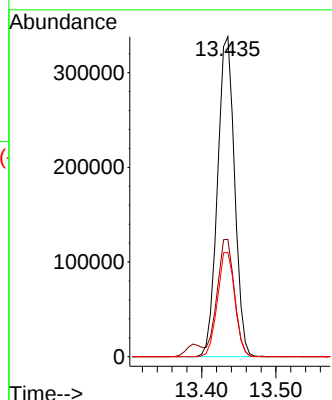
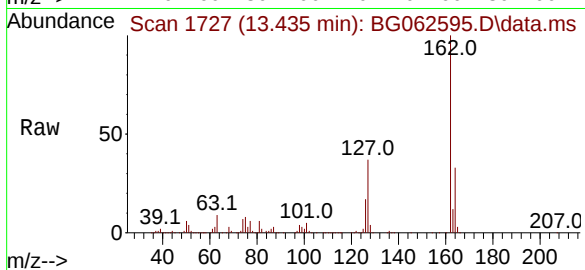
Tgt Ion:162 Resp: 540961

Ion Ratio Lower Upper

162 100

127 36.7 30.0 45.0

164 32.6 26.6 40.0



#48

2-Nitroaniline

Concen: 61.551 ng

RT: 13.635 min Scan# 1761

Delta R.T. 0.001 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

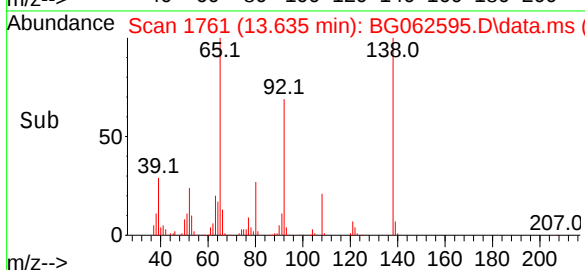
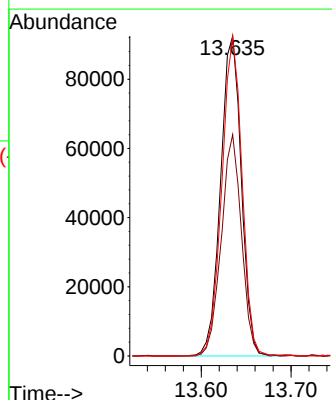
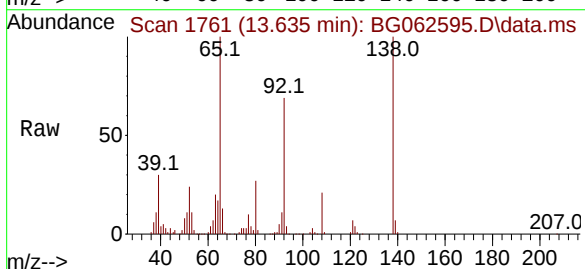
Tgt Ion: 65 Resp: 147977

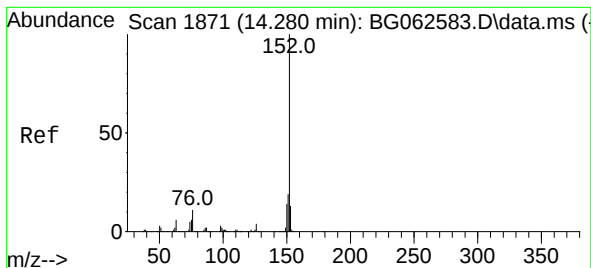
Ion Ratio Lower Upper

65 100

92 69.1 50.6 76.0

138 99.8 75.4 113.2





#49

Acenaphthylene

Concen: 53.312 ng

RT: 14.281 min Scan# 1871

Delta R.T. 0.001 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMSD

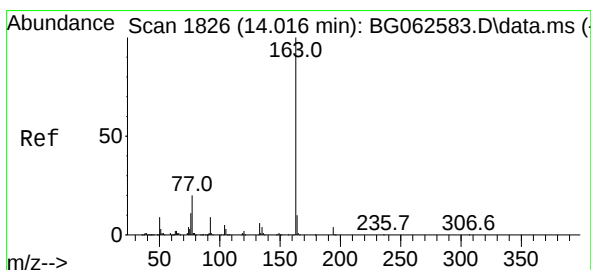
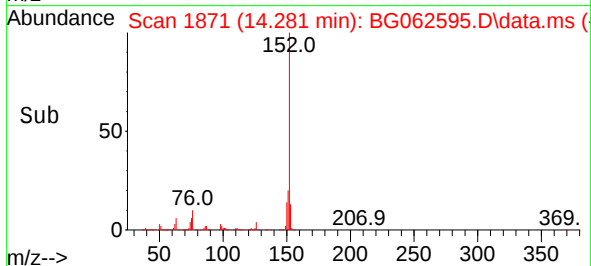
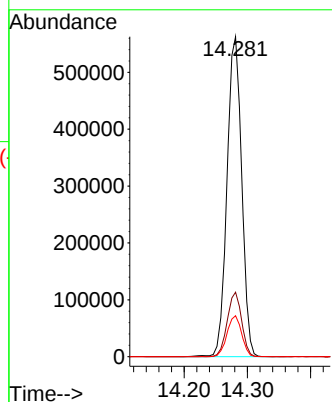
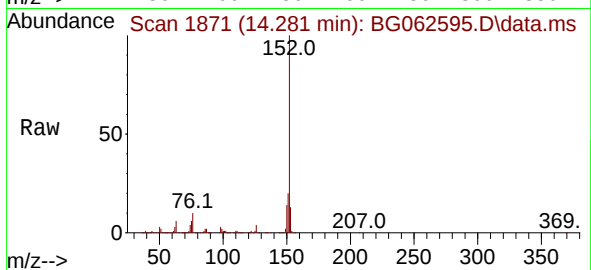
Tgt Ion:152 Resp: 906134

Ion Ratio Lower Upper

152 100

151 20.1 15.0 22.4

153 12.8 10.3 15.5



#50

Dimethylphthalate

Concen: 57.628 ng

RT: 14.017 min Scan# 1826

Delta R.T. 0.001 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

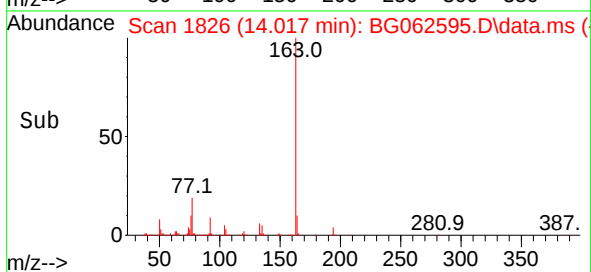
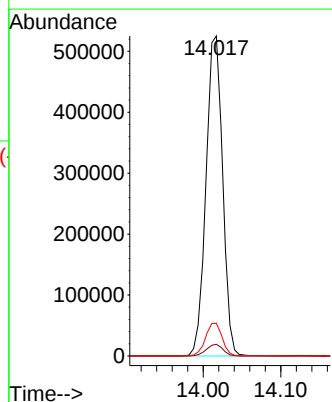
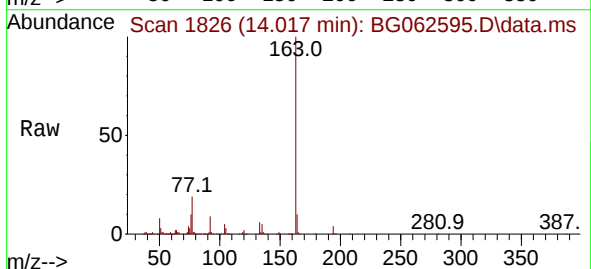
Tgt Ion:163 Resp: 781820

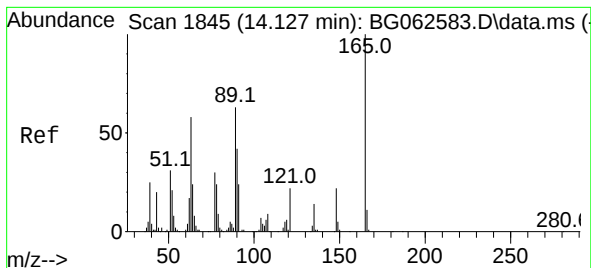
Ion Ratio Lower Upper

163 100

194 3.7 2.8 4.2

164 10.2 8.0 12.0

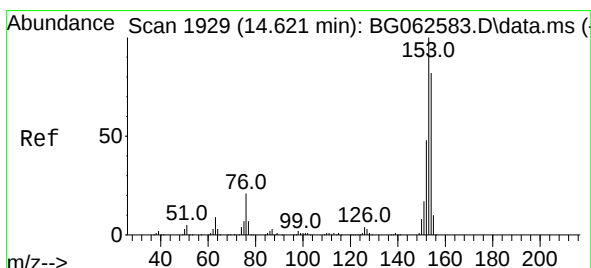
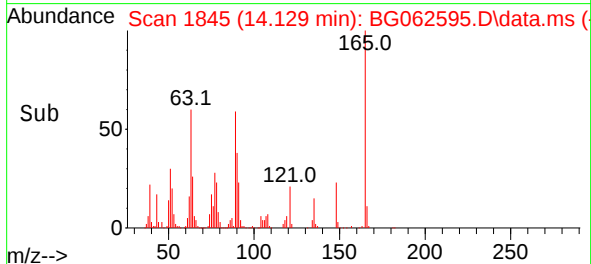
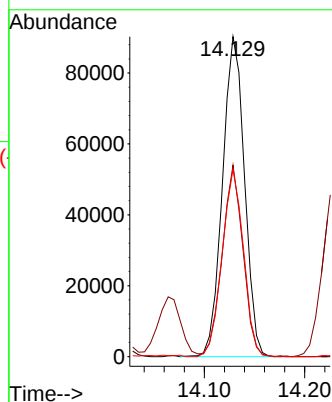
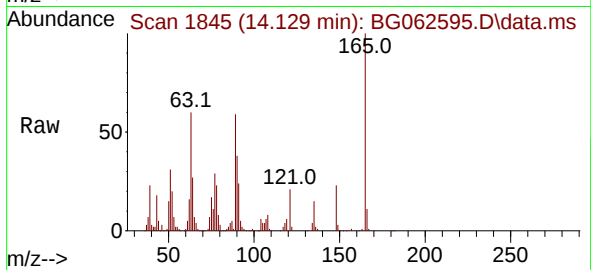




#51
2,6-Dinitrotoluene
Concen: 51.826 ng
RT: 14.129 min Scan# 1845
Delta R.T. 0.002 min
Lab File: BG062595.D
Acq: 28 Aug 2024 14:33

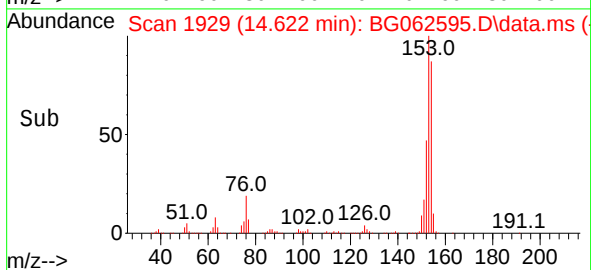
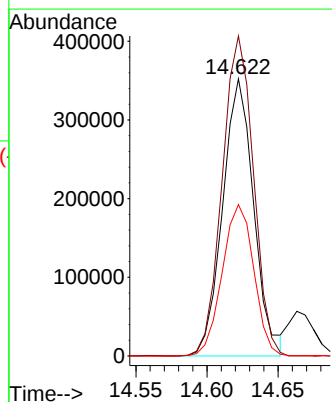
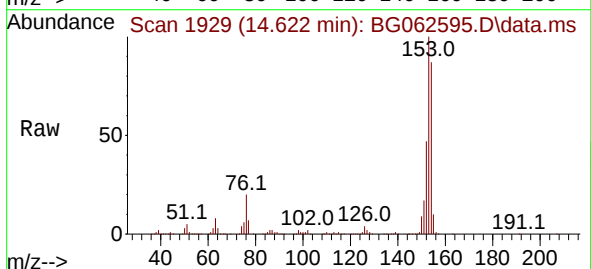
Instrument :
BNA_G
ClientSampleId :
MOO-SOIL-PILEMSD

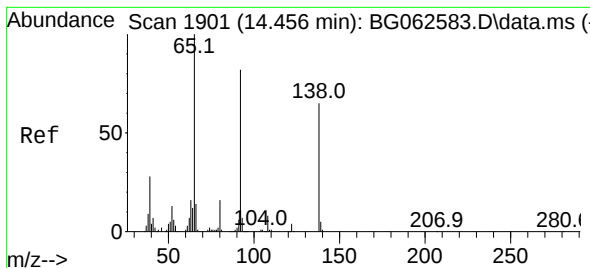
Tgt Ion:165 Resp: 137366
Ion Ratio Lower Upper
165 100
63 59.8 51.0 76.6
89 58.5 50.6 76.0



#52
Acenaphthene
Concen: 51.156 ng
RT: 14.622 min Scan# 1929
Delta R.T. 0.001 min
Lab File: BG062595.D
Acq: 28 Aug 2024 14:33

Tgt Ion:154 Resp: 536444
Ion Ratio Lower Upper
154 100
153 115.5 97.8 146.8
152 54.6 46.8 70.2

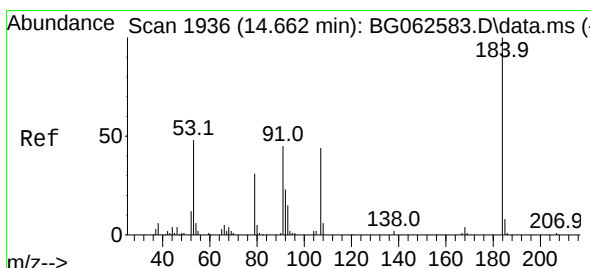
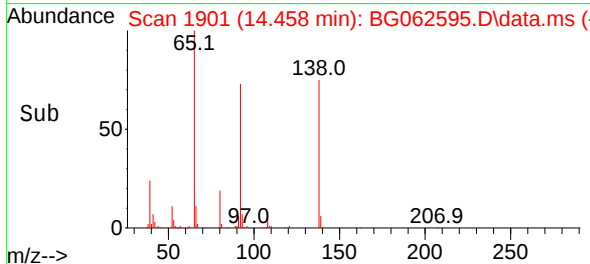
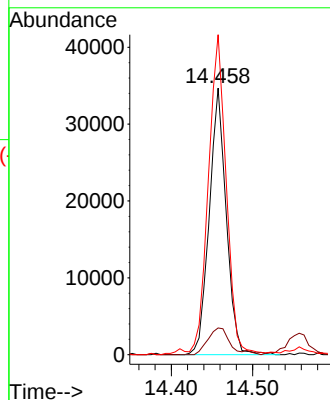
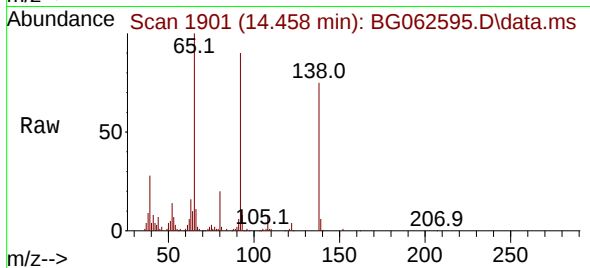




#53
3-Nitroaniline
Concen: 22.356 ng
RT: 14.458 min Scan# 1901
Delta R.T. 0.001 min
Lab File: BG062595.D
Acq: 28 Aug 2024 14:33

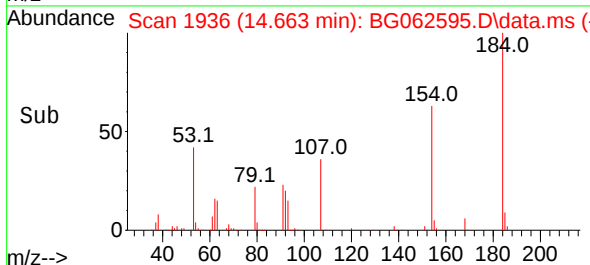
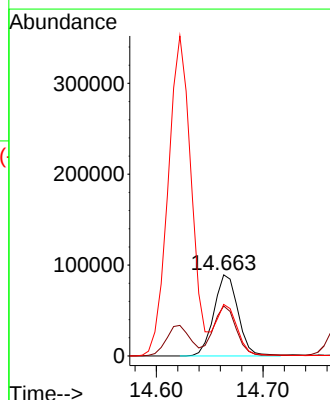
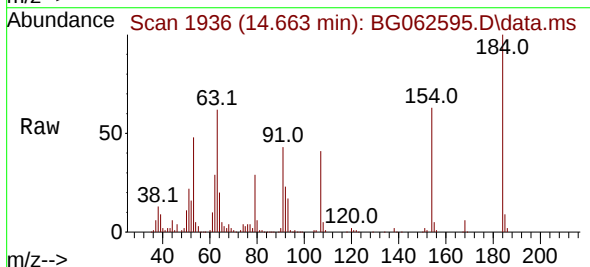
Instrument :
BNA_G
ClientSampleId :
MOO-SOIL-PILEMSD

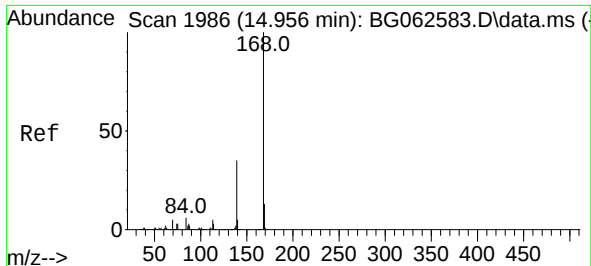
Tgt Ion:138 Resp: 50357
Ion Ratio Lower Upper
138 100
108 10.0 9.4 14.2
92 120.0 101.2 151.8



#54
2,4-Dinitrophenol
Concen: 113.439 ng
RT: 14.663 min Scan# 1936
Delta R.T. 0.001 min
Lab File: BG062595.D
Acq: 28 Aug 2024 14:33

Tgt Ion:184 Resp: 140030
Ion Ratio Lower Upper
184 100
63 61.6 48.6 73.0
154 63.5 50.6 76.0





#55

Dibenzenofuran

Concen: 51.675 ng

RT: 14.957 min Scan# 1986

Delta R.T. 0.001 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMSD

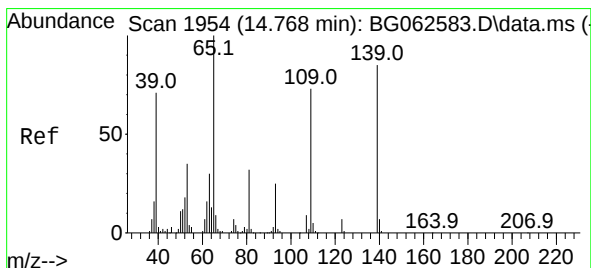
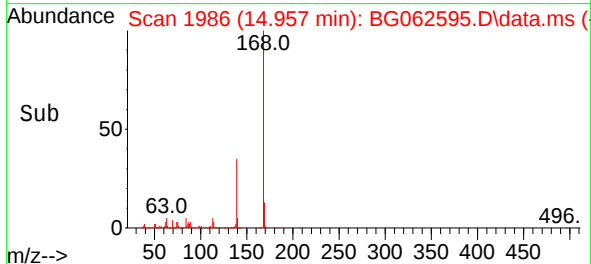
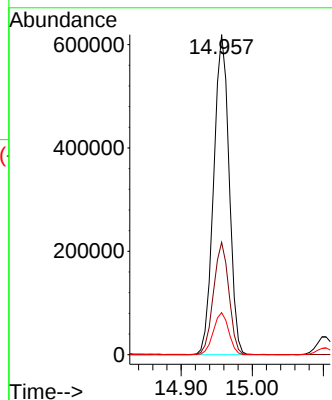
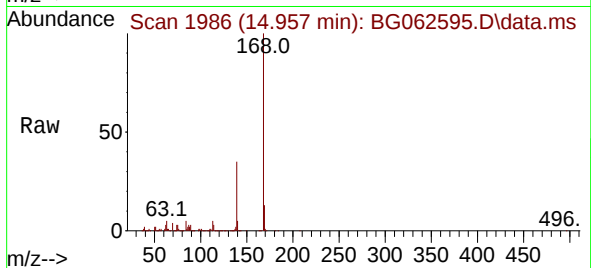
Tgt Ion:168 Resp: 929140

Ion Ratio Lower Upper

168 100

139 35.1 28.2 42.4

169 13.1 10.5 15.7



#56

4-Nitrophenol

Concen: 122.919 ng

RT: 14.781 min Scan# 1956

Delta R.T. 0.013 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

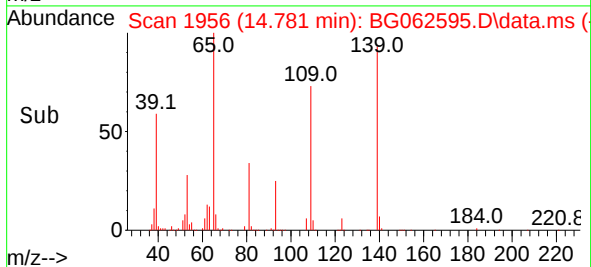
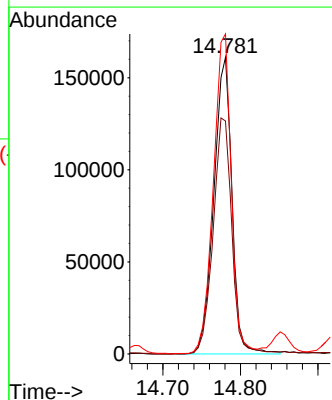
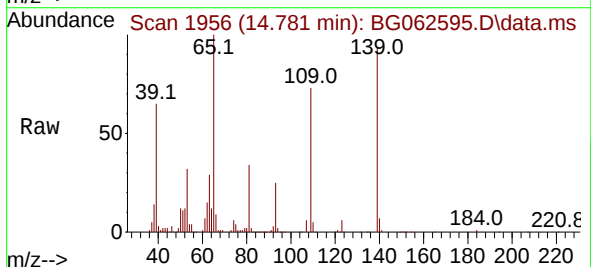
Tgt Ion:139 Resp: 261618

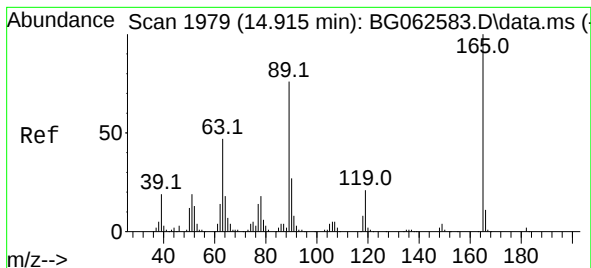
Ion Ratio Lower Upper

139 100

109 78.5 66.7 106.7

65 107.9 98.1 138.1

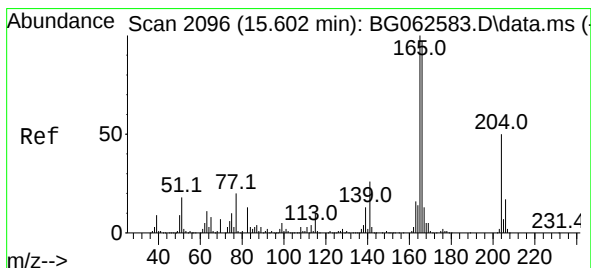
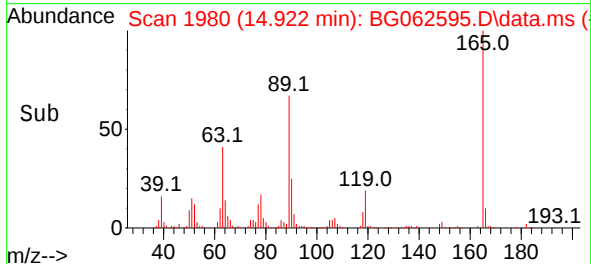
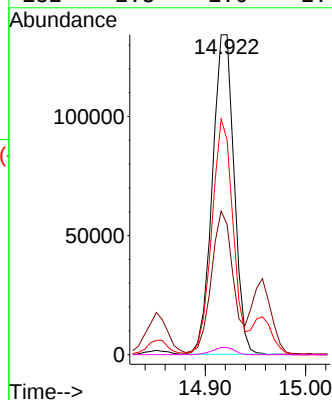
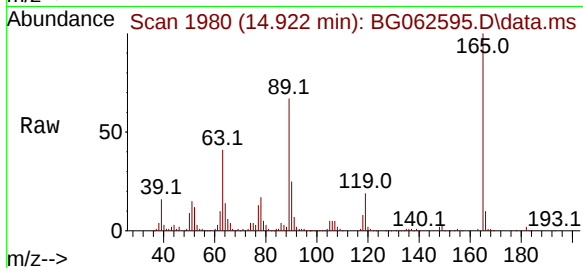




#57
2,4-Dinitrotoluene
Concen: 64.777 ng
RT: 14.922 min Scan# 1980
Delta R.T. 0.007 min
Lab File: BG062595.D
Acq: 28 Aug 2024 14:33

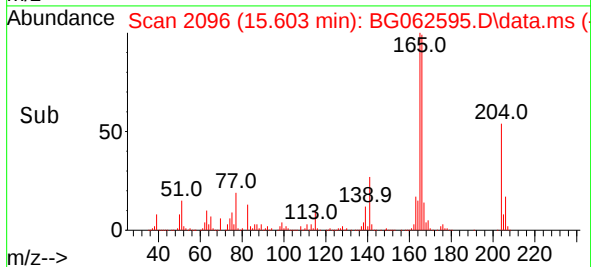
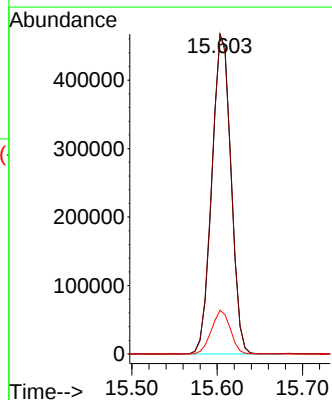
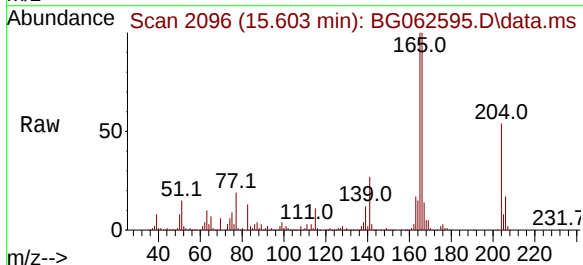
Instrument :
BNA_G
ClientSampleId :
MOO-SOIL-PILEMSD

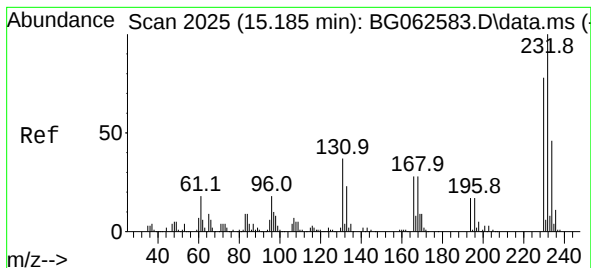
Tgt Ion:165 Resp: 200800
Ion Ratio Lower Upper
165 100
63 40.8 37.5 56.3
89 67.1 60.8 91.2
182 2.3 1.6 2.4



#58
Fluorene
Concen: 51.414 ng
RT: 15.603 min Scan# 2096
Delta R.T. 0.001 min
Lab File: BG062595.D
Acq: 28 Aug 2024 14:33

Tgt Ion:166 Resp: 725958
Ion Ratio Lower Upper
166 100
165 100.3 82.6 123.8
167 13.7 10.6 15.8

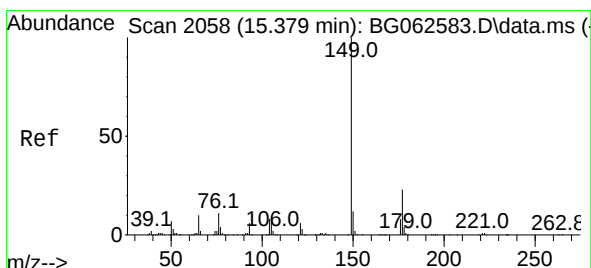
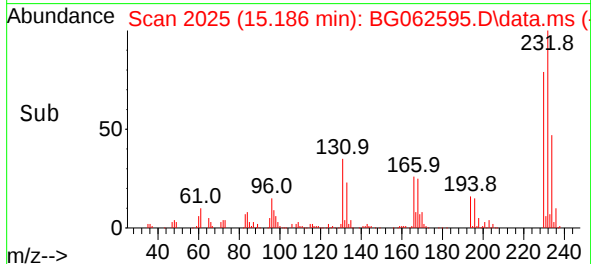
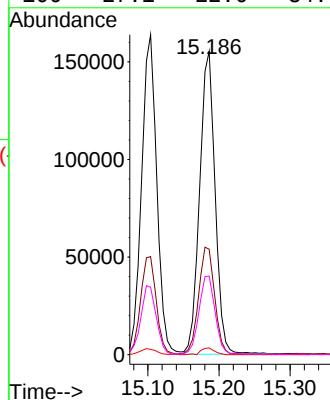
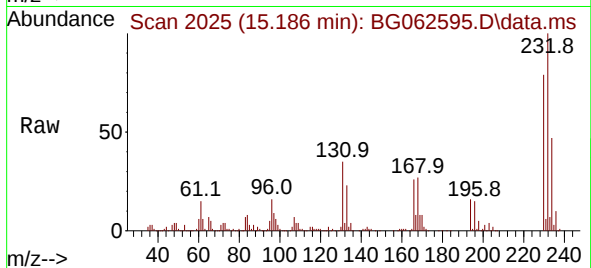




#59
2,3,4,6-Tetrachlorophenol
Concen: 64.519 ng
RT: 15.186 min Scan# 2025
Delta R.T. 0.001 min
Lab File: BG062595.D
Acq: 28 Aug 2024 14:33

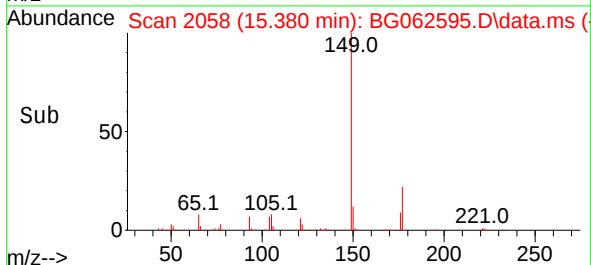
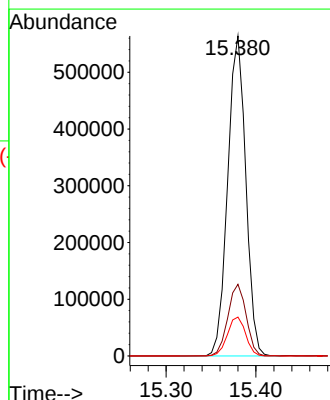
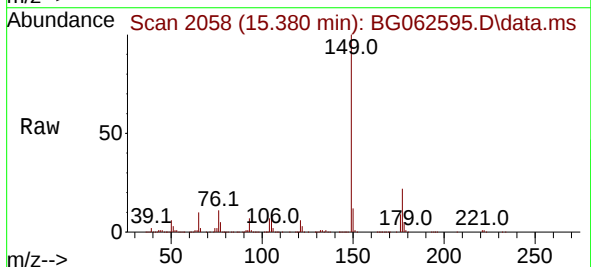
Instrument :
BNA_G
ClientSampleId :
MOO-SOIL-PILEMSD

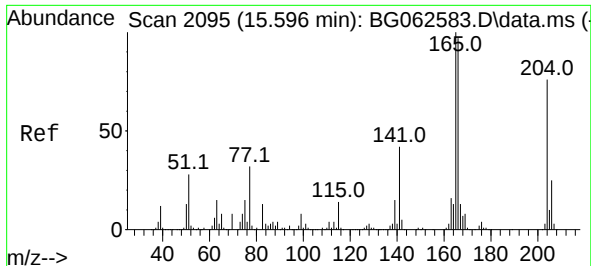
Tgt Ion:232 Resp: 235578
Ion Ratio Lower Upper
232 100
131 36.9 30.5 45.7
130 2.0 1.8 2.8
166 27.1 22.6 34.0



#60
Diethylphthalate
Concen: 60.538 ng
RT: 15.380 min Scan# 2058
Delta R.T. 0.001 min
Lab File: BG062595.D
Acq: 28 Aug 2024 14:33

Tgt Ion:149 Resp: 787067
Ion Ratio Lower Upper
149 100
177 22.4 18.2 27.2
150 12.2 9.8 14.8

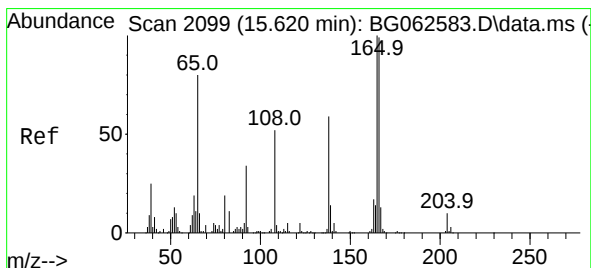
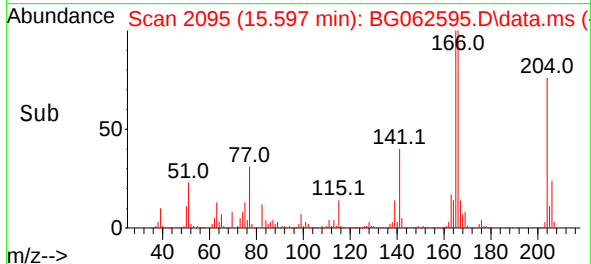
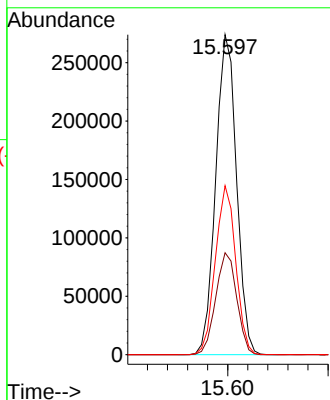
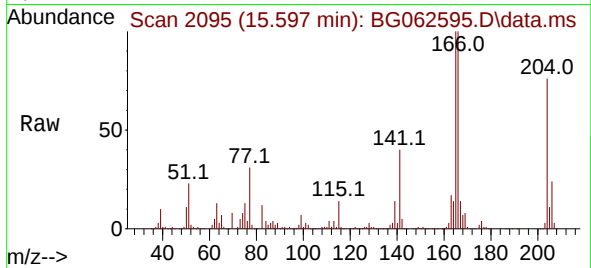




#61
4-Chlorophenyl-phenylether
Concen: 52.451 ng
RT: 15.597 min Scan# 2095
Delta R.T. 0.001 min
Lab File: BG062595.D
Acq: 28 Aug 2024 14:33

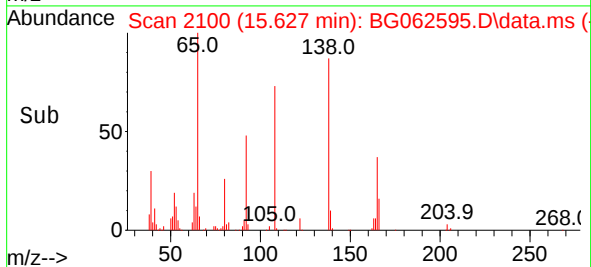
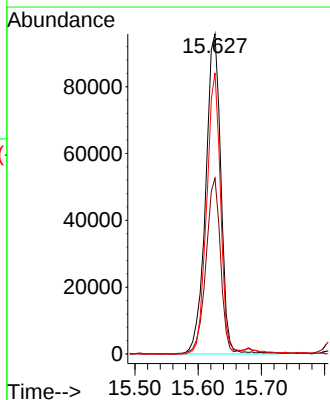
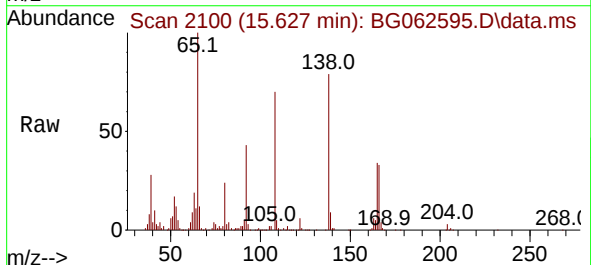
Instrument :
BNA_G
ClientSampleId :
MOO-SOIL-PILEMSD

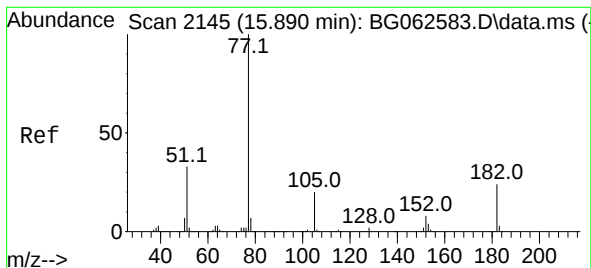
Tgt Ion:204 Resp: 393575
Ion Ratio Lower Upper
204 100
206 31.8 26.2 39.4
141 52.8 44.0 66.0



#62
4-Nitroaniline
Concen: 63.894 ng
RT: 15.627 min Scan# 2100
Delta R.T. 0.007 min
Lab File: BG062595.D
Acq: 28 Aug 2024 14:33

Tgt Ion:138 Resp: 159717
Ion Ratio Lower Upper
138 100
92 54.9 37.6 77.6
108 87.9 68.3 108.3





#63

Azobenzene

Concen: 50.200 ng

RT: 15.891 min Scan# 2145

Delta R.T. 0.001 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMSD

Tgt Ion: 77 Resp: 741635

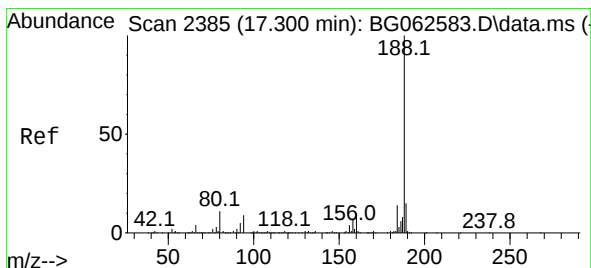
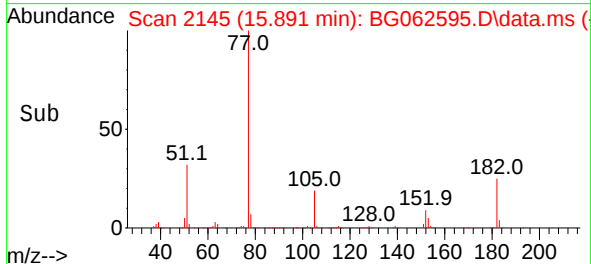
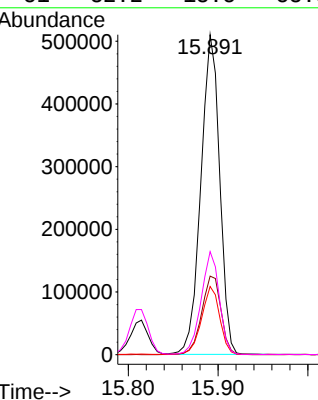
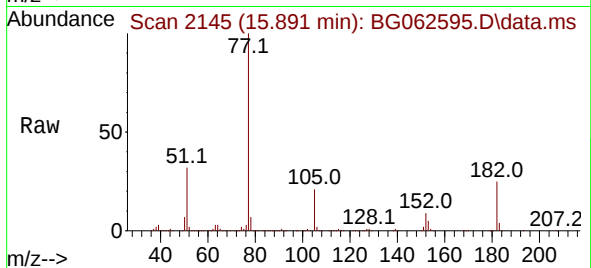
Ion Ratio Lower Upper

77 100

182 24.5 3.6 43.6

105 21.3 0.0 39.5

51 32.2 13.5 53.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.301 min Scan# 2385

Delta R.T. 0.001 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

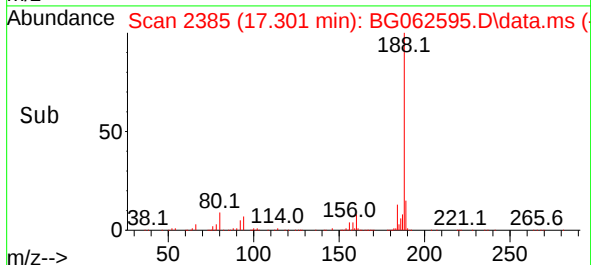
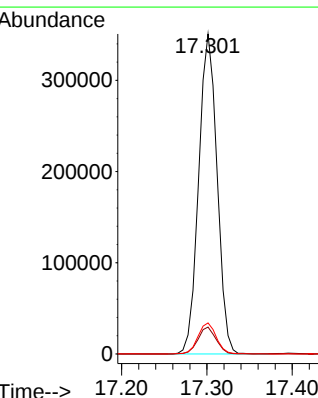
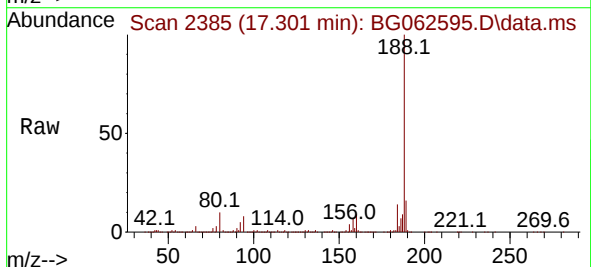
Tgt Ion:188 Resp: 526077

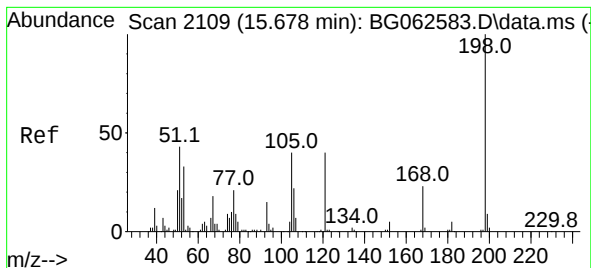
Ion Ratio Lower Upper

188 100

94 8.4 7.0 10.6

80 9.7 8.4 12.6

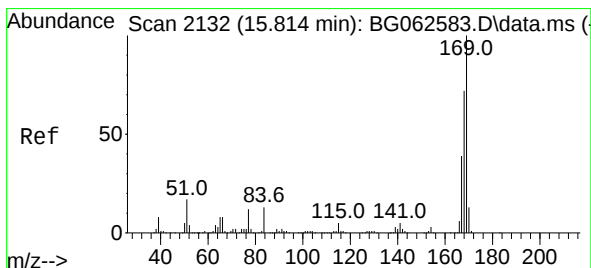
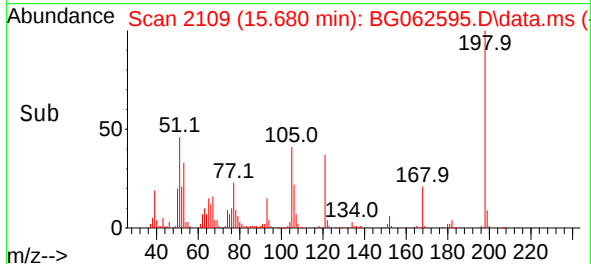
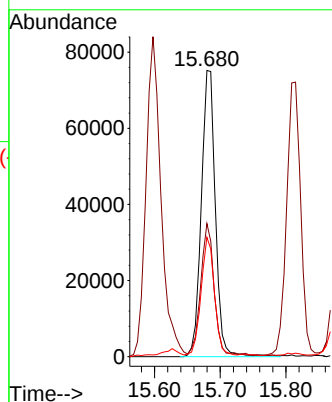
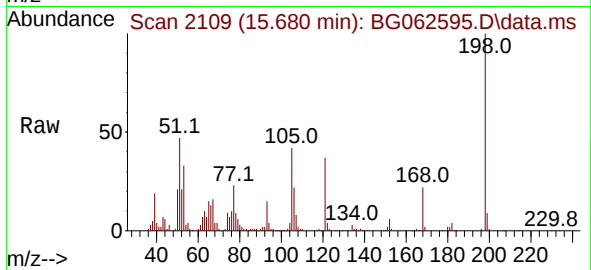




#65
4,6-Dinitro-2-methylphenol
Concen: 63.282 ng
RT: 15.680 min Scan# 2109
Delta R.T. 0.002 min
Lab File: BG062595.D
Acq: 28 Aug 2024 14:33

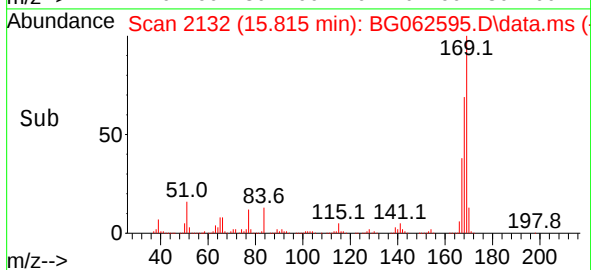
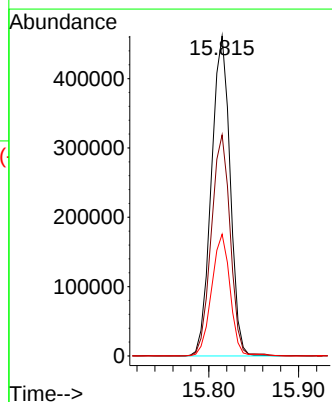
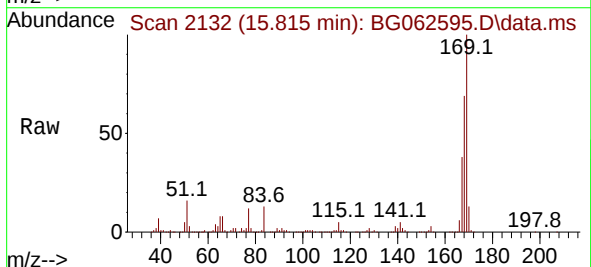
Instrument :
BNA_G
ClientSampleId :
MOO-SOIL-PILEMSD

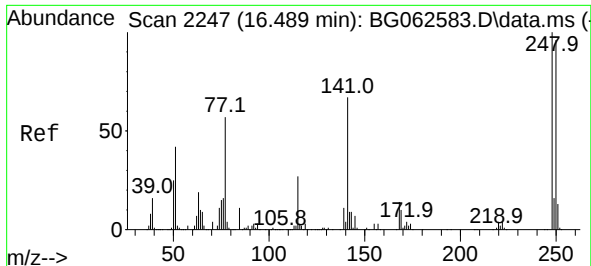
Tgt Ion:198 Resp: 112625
Ion Ratio Lower Upper
198 100
51 46.5 25.9 65.9
105 41.7 20.8 60.8



#66
n-Nitrosodiphenylamine
Concen: 52.345 ng
RT: 15.815 min Scan# 2132
Delta R.T. 0.001 min
Lab File: BG062595.D
Acq: 28 Aug 2024 14:33

Tgt Ion:169 Resp: 668859
Ion Ratio Lower Upper
169 100
168 69.1 57.9 86.9
167 38.1 30.9 46.3





#67

4-Bromophenyl-phenylether

Concen: 53.275 ng

RT: 16.490 min Scan# 2247

Delta R.T. 0.001 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMSD

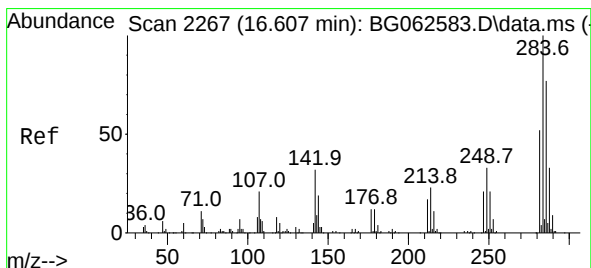
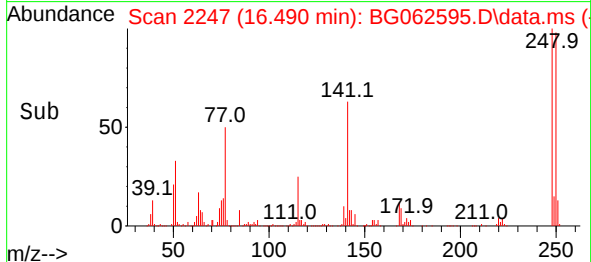
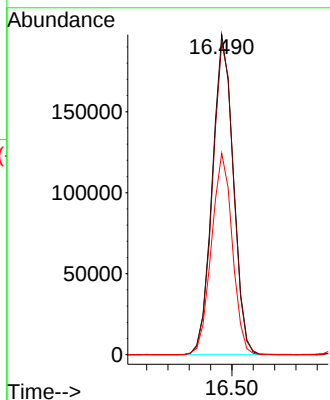
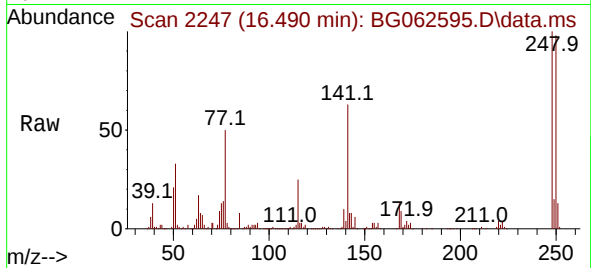
Tgt Ion:248 Resp: 269773

Ion Ratio Lower Upper

248 100

250 97.7 76.7 115.1

141 62.9 54.0 81.0



#68

Hexachlorobenzene

Concen: 52.003 ng

RT: 16.608 min Scan# 2267

Delta R.T. 0.001 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

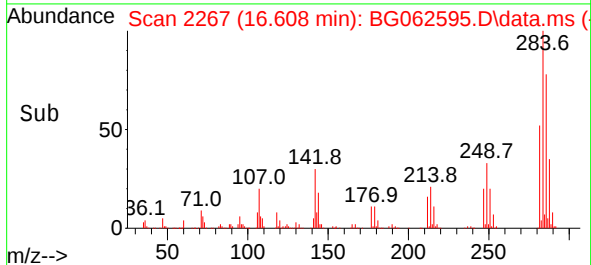
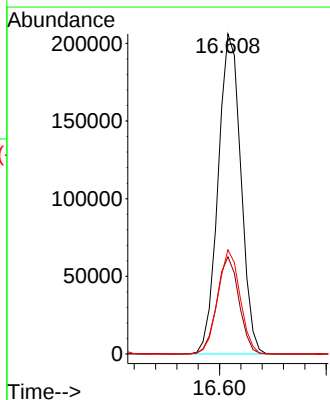
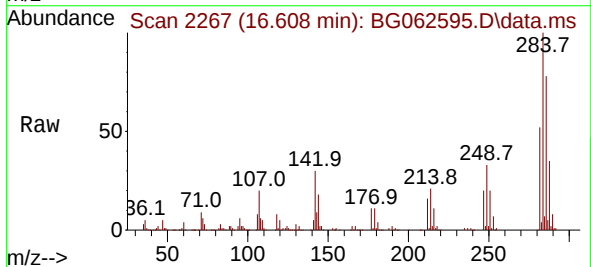
Tgt Ion:284 Resp: 304286

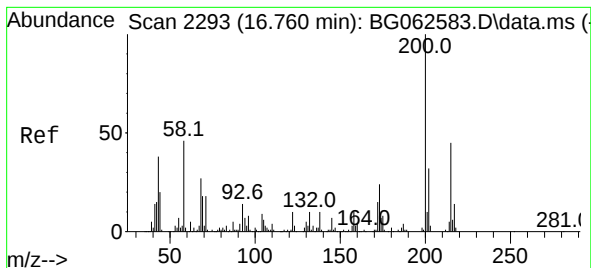
Ion Ratio Lower Upper

284 100

142 30.4 25.7 38.5

249 32.5 28.7 43.1





#69

Atrazine

Concen: 78.627 ng

RT: 16.761 min Scan# 2293

Delta R.T. 0.001 min

Lab File: BG062595.D

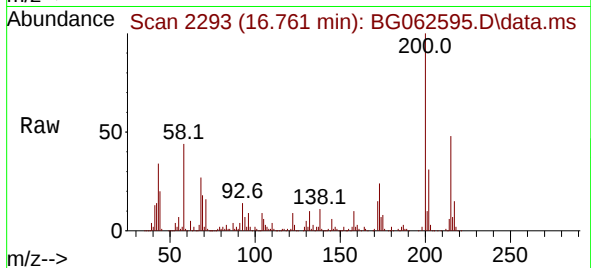
Acq: 28 Aug 2024 14:33

Instrument :

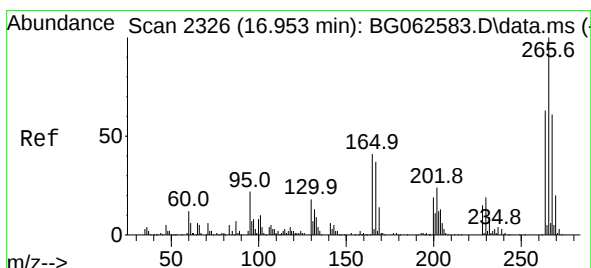
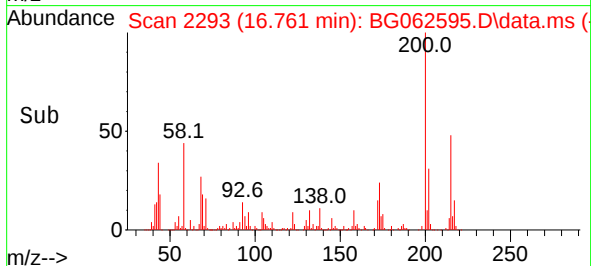
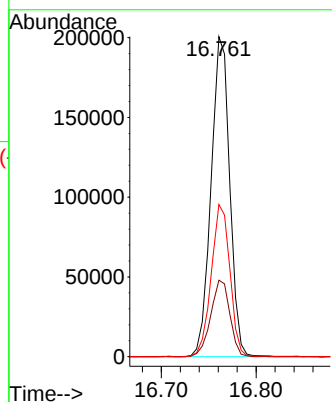
BNA_G

ClientSampleId :

MOO-SOIL-PILEMSD



Tgt Ion:	200	Resp:	273283
Ion	Ratio	Lower	Upper
200	100		
173	23.9	3.7	43.7
215	47.5	25.1	65.1



#70

Pentachlorophenol

Concen: 118.964 ng

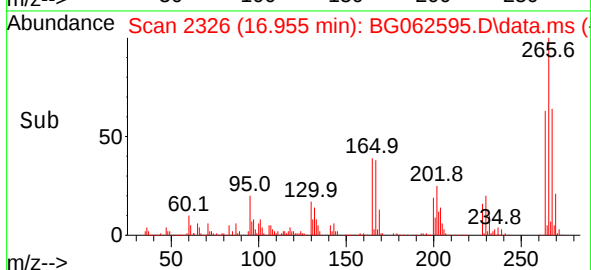
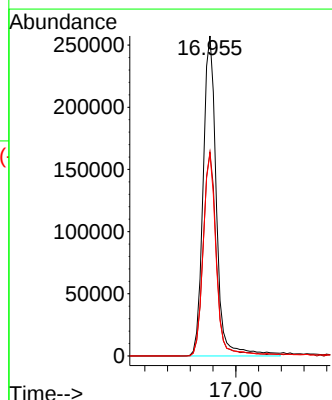
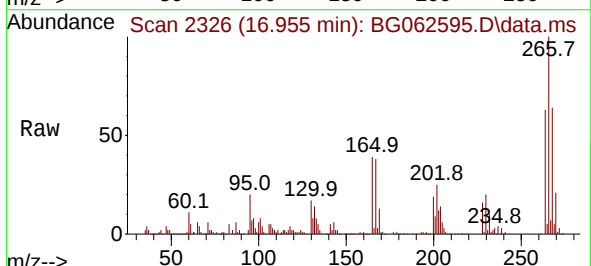
RT: 16.955 min Scan# 2326

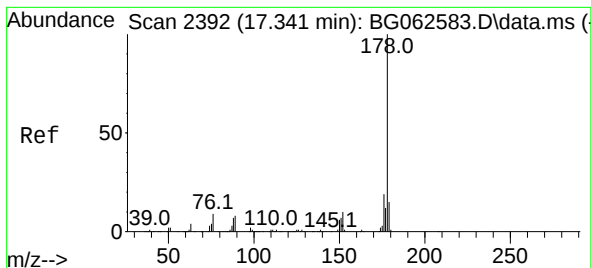
Delta R.T. 0.001 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

Tgt Ion:	266	Resp:	417182
Ion	Ratio	Lower	Upper
266	100		
268	63.6	53.1	79.7
264	63.3	54.2	81.4





#71

Phenanthrene

Concen: 50.885 ng

RT: 17.342 min Scan# 2392

Delta R.T. 0.001 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMSD

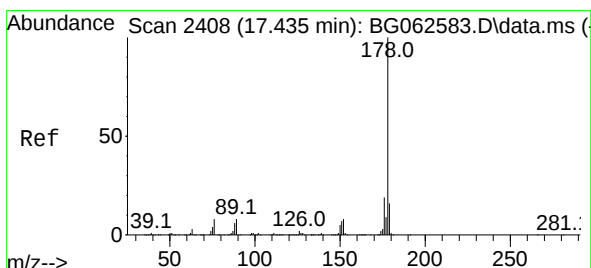
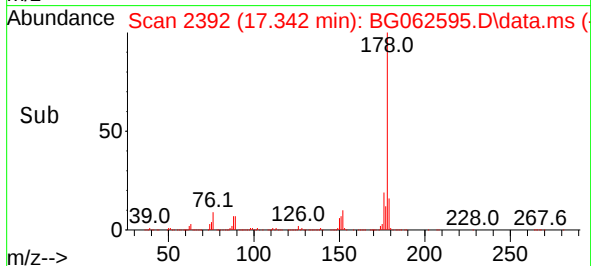
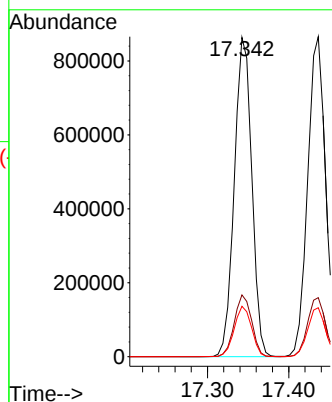
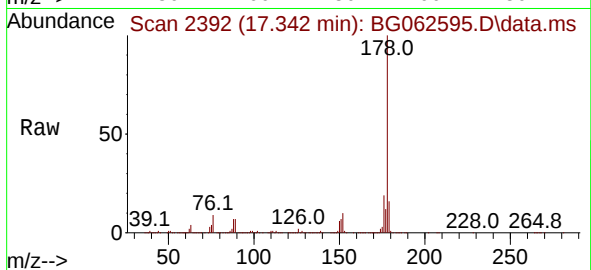
Tgt Ion:178 Resp: 1289145

Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

179 15.8 12.1 18.1



#72

Anthracene

Concen: 53.145 ng

RT: 17.436 min Scan# 2408

Delta R.T. 0.001 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

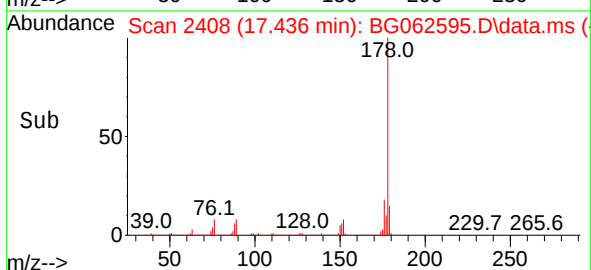
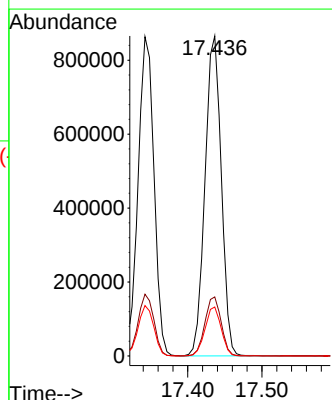
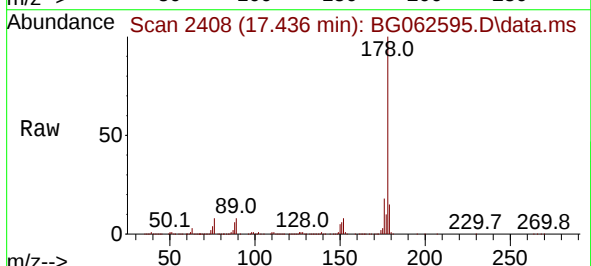
Tgt Ion:178 Resp: 1317344

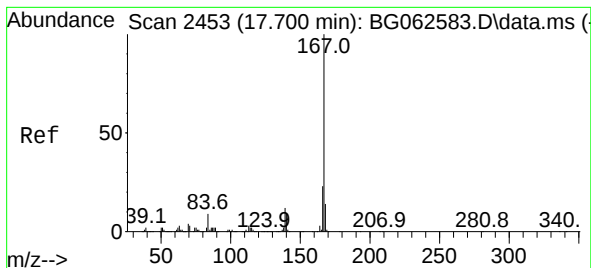
Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.6

179 15.3 12.5 18.7





#73

Carbazole

Concen: 51.316 ng

RT: 17.701 min Scan# 2453

Delta R.T. 0.001 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

Instrument :

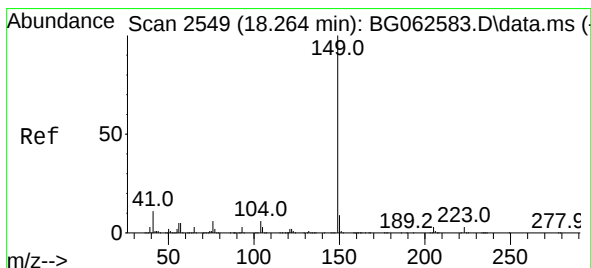
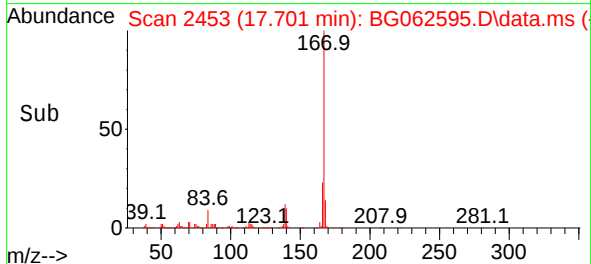
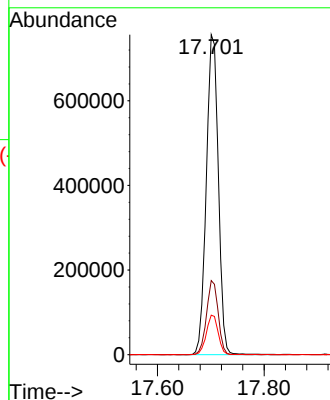
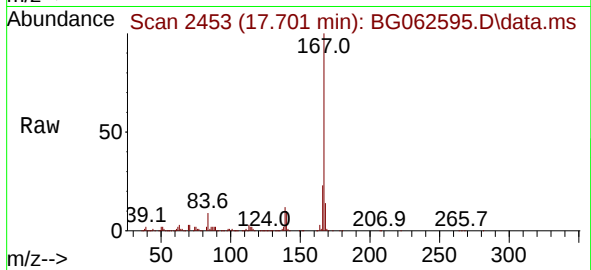
BNA_G

ClientSampleId :

MOO-SOIL-PILEMSD

Tgt Ion:167 Resp: 1180115

Ion	Ratio	Lower	Upper
167	100		
166	23.2	18.6	27.8
139	12.4	9.7	14.5



#74

Di-n-butylphthalate

Concen: 68.177 ng

RT: 18.265 min Scan# 2549

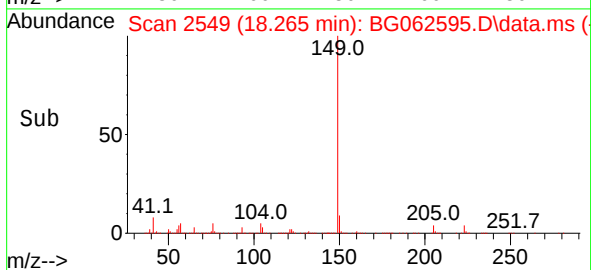
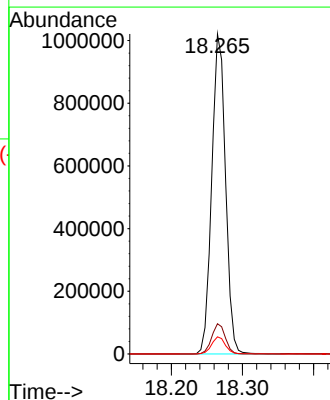
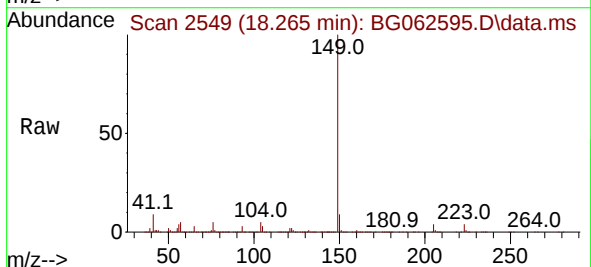
Delta R.T. 0.001 min

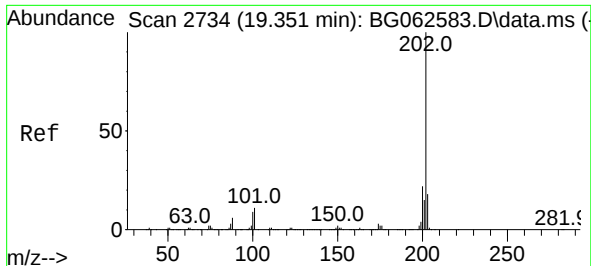
Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

Tgt Ion:149 Resp: 1371664

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.0
104	5.4	4.8	7.2

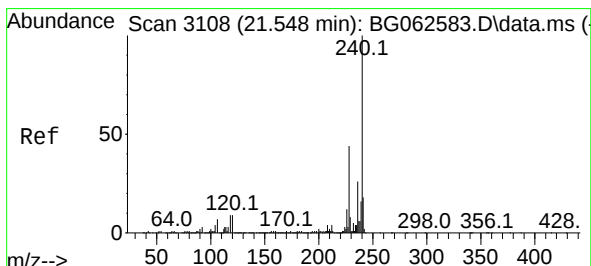
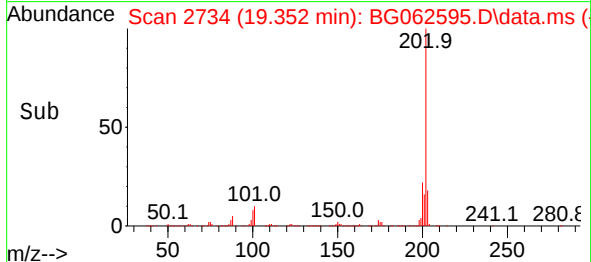
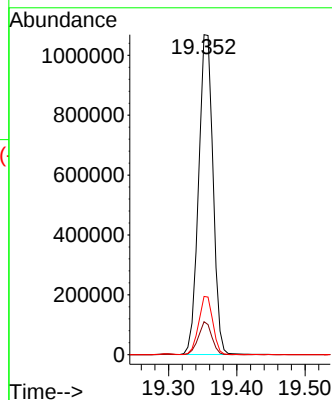
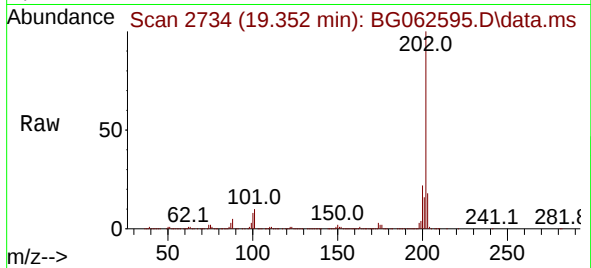




#75
Fluoranthene
Concen: 49.448 ng
RT: 19.352 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG062595.D
Acq: 28 Aug 2024 14:33

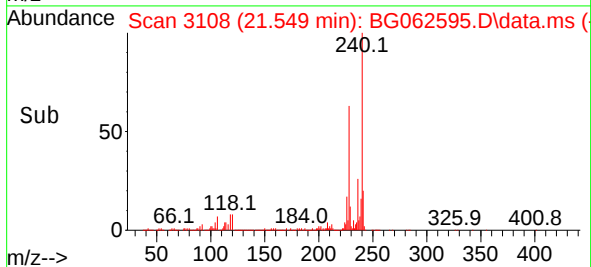
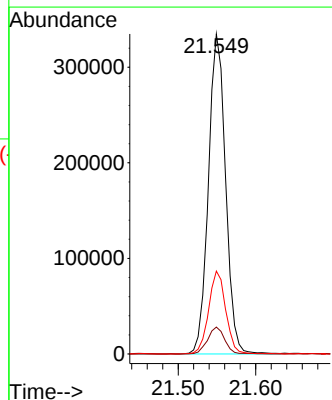
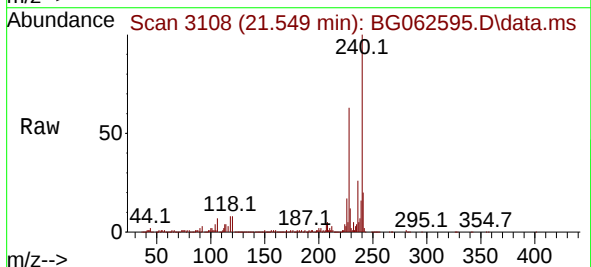
Instrument :
BNA_G
ClientSampleId :
MOO-SOIL-PILEMSD

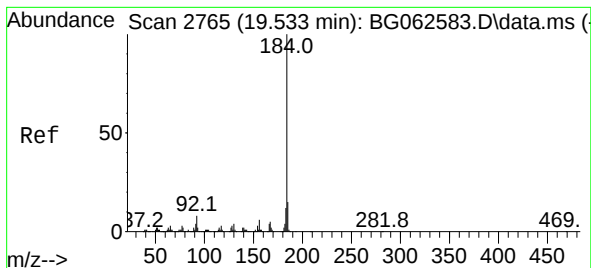
Tgt Ion:202 Resp: 1568271
Ion Ratio Lower Upper
202 100
101 10.3 0.0 30.8
203 18.2 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.549 min Scan# 3108
Delta R.T. 0.001 min
Lab File: BG062595.D
Acq: 28 Aug 2024 14:33

Tgt Ion:240 Resp: 515714
Ion Ratio Lower Upper
240 100
120 8.4 7.4 11.0
236 25.9 20.5 30.7





#77

Benzidine

Concen: 16.116 ng

RT: 19.540 min Scan# 21

Delta R.T. 0.007 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMSD

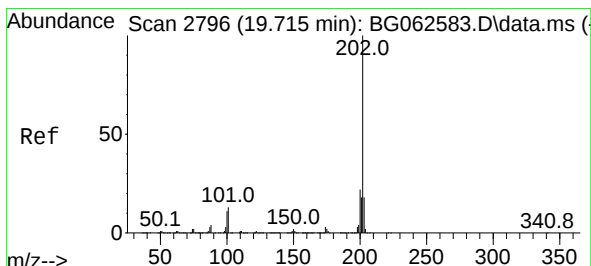
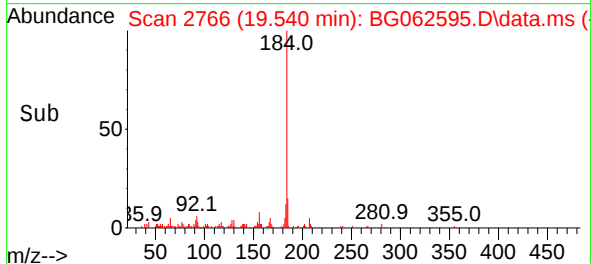
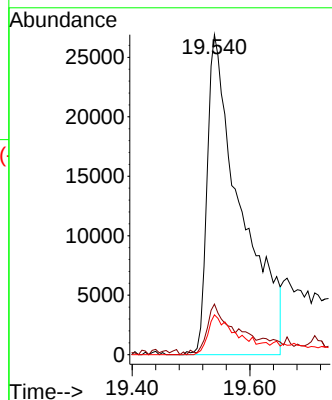
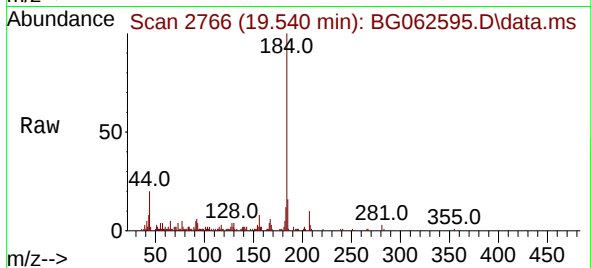
Tgt Ion:184 Resp: 106651

Ion Ratio Lower Upper

184 100

185 15.8 11.8 17.8

183 12.5 9.3 13.9



#78

Pyrene

Concen: 50.518 ng

RT: 19.716 min Scan# 2796

Delta R.T. 0.001 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

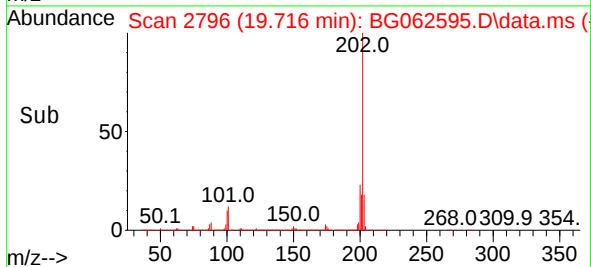
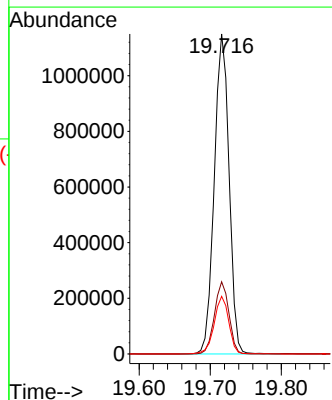
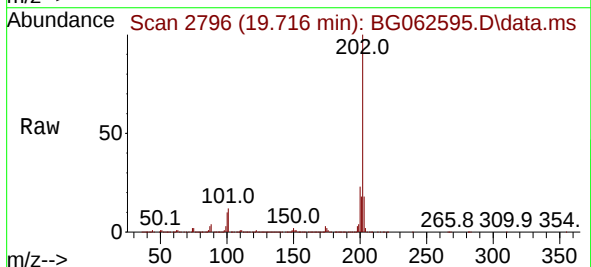
Tgt Ion:202 Resp: 1656419

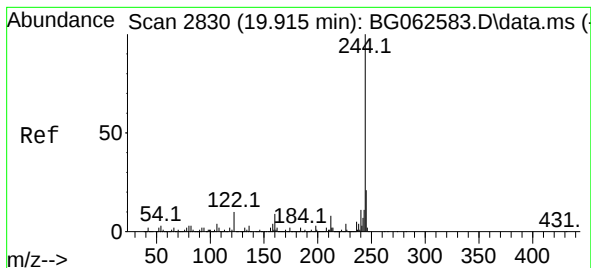
Ion Ratio Lower Upper

202 100

200 22.6 17.7 26.5

203 18.0 14.3 21.5





#79

Terphenyl-d14

Concen: 103.547 ng

RT: 19.922 min Scan# 2831

Delta R.T. 0.007 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMSD

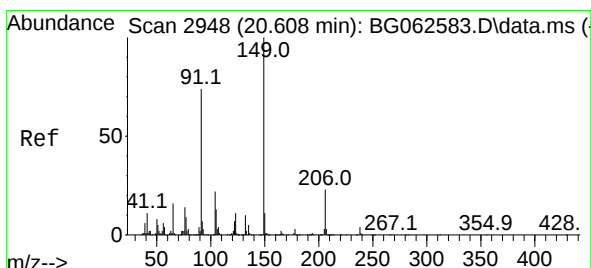
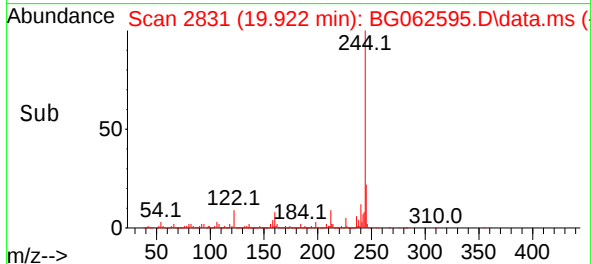
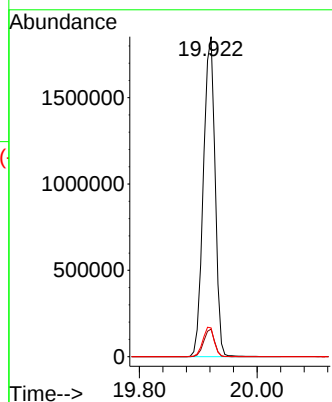
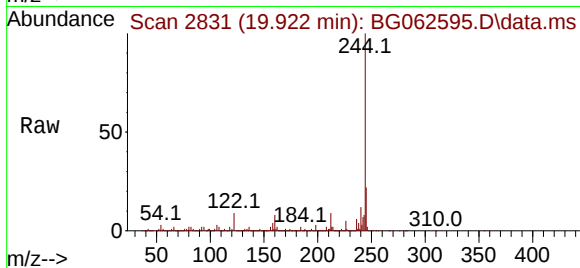
Tgt Ion:244 Resp: 2554147

Ion Ratio Lower Upper

244 100

212 8.6 6.7 10.1

122 9.0 8.4 12.6



#80

Butylbenzylphthalate

Concen: 66.824 ng

RT: 20.609 min Scan# 2948

Delta R.T. 0.001 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

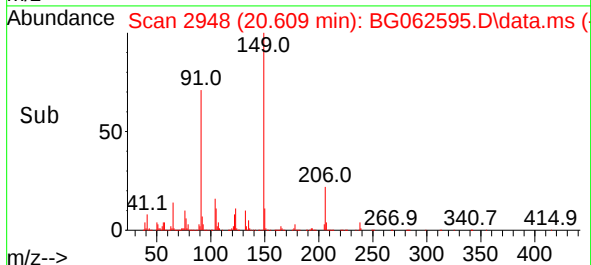
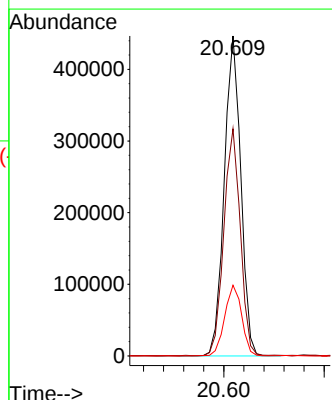
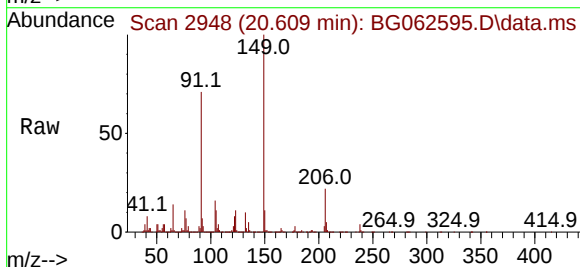
Tgt Ion:149 Resp: 509559

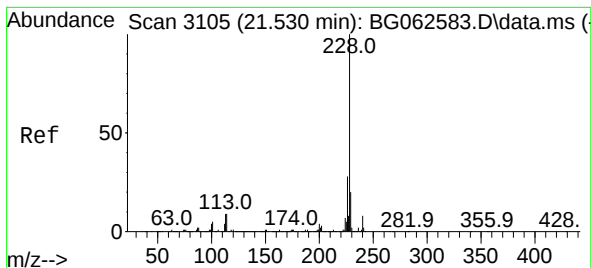
Ion Ratio Lower Upper

149 100

91 71.0 59.0 88.6

206 22.1 18.5 27.7





#81

Benzo(a)anthracene

Concen: 51.334 ng

RT: 21.532 min Scan# 3105

Delta R.T. 0.001 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMSD

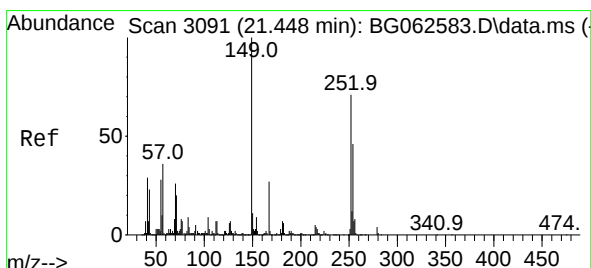
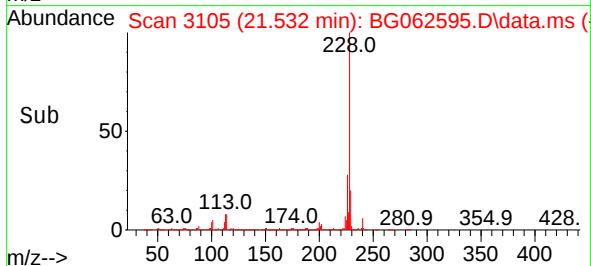
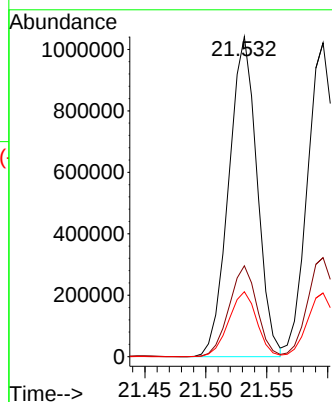
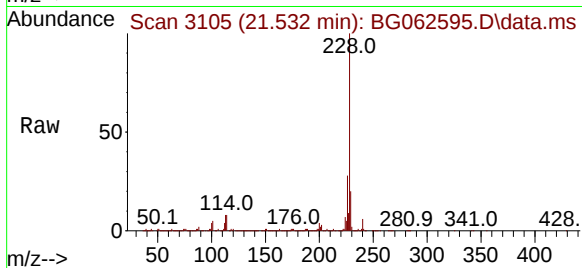
Tgt Ion:228 Resp: 1686057

Ion Ratio Lower Upper

228 100

226 28.4 22.6 33.8

229 20.3 16.2 24.2



#82

3,3'-Dichlorobenzidine

Concen: 32.985 ng

RT: 21.449 min Scan# 3091

Delta R.T. 0.001 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

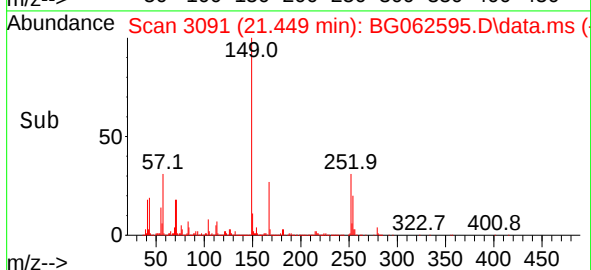
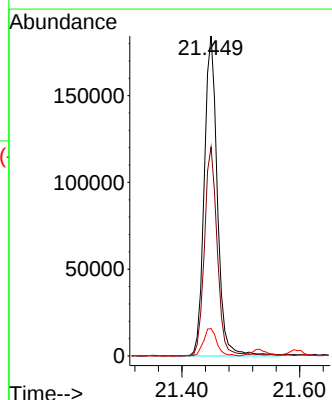
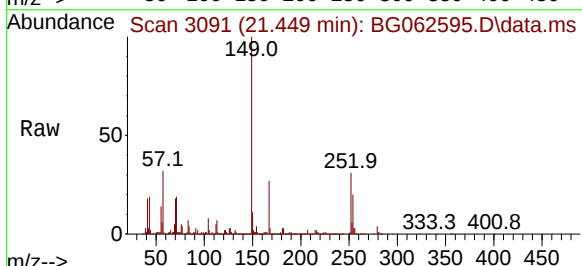
Tgt Ion:252 Resp: 286564

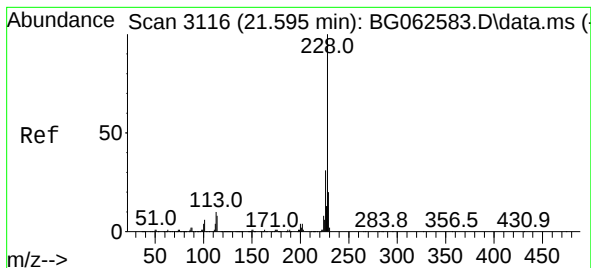
Ion Ratio Lower Upper

252 100

254 65.3 51.4 77.0

126 8.5 7.1 10.7





#83

Chrysene

Concen: 50.656 ng

RT: 21.596 min Scan# 3116

Delta R.T. 0.001 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMSD

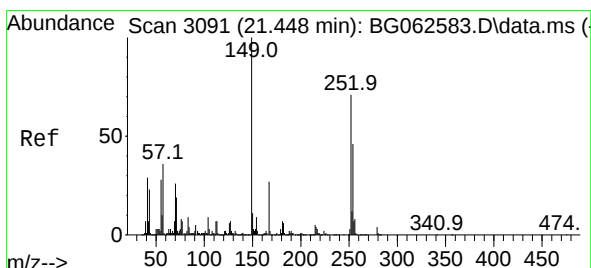
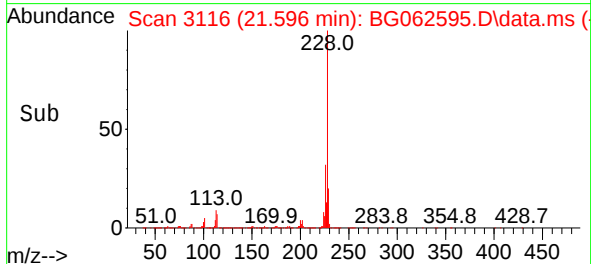
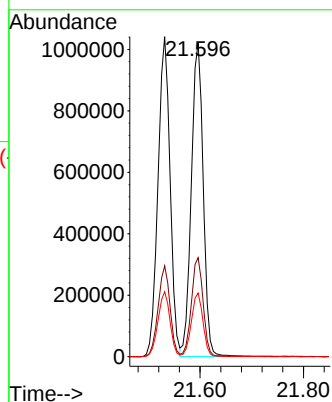
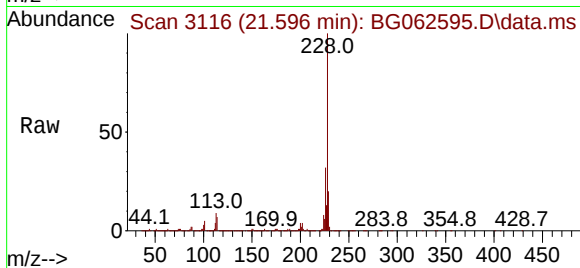
Tgt Ion:228 Resp: 1628013

Ion Ratio Lower Upper

228 100

226 31.6 24.6 37.0

229 20.3 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 75.278 ng

RT: 21.449 min Scan# 3091

Delta R.T. 0.001 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

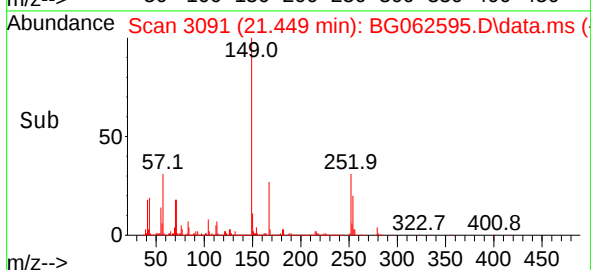
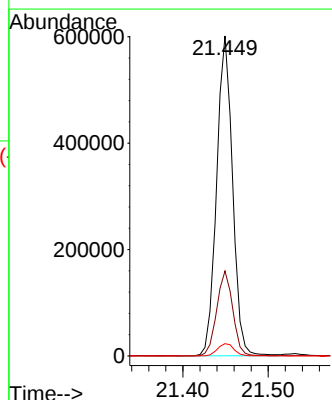
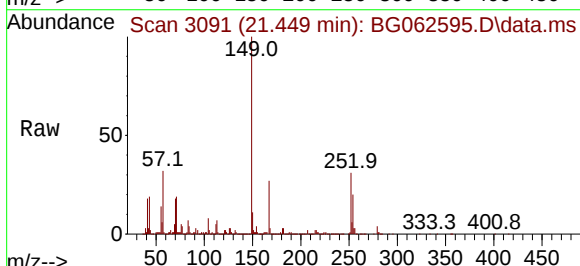
Tgt Ion:149 Resp: 781303

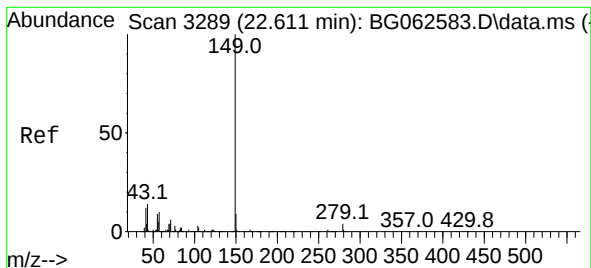
Ion Ratio Lower Upper

149 100

167 26.5 21.3 31.9

279 3.9 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 72.441 ng

RT: 22.613 min Scan# 3289

Delta R.T. 0.002 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMSD

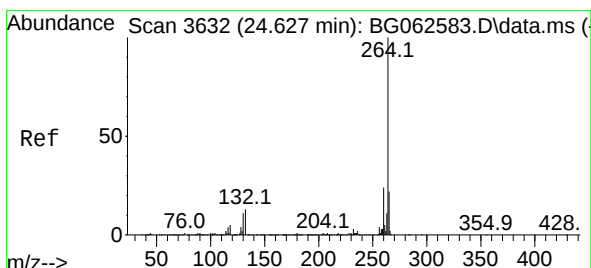
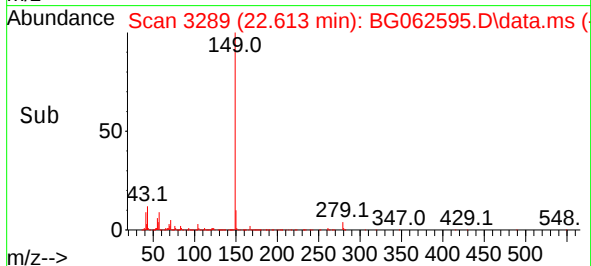
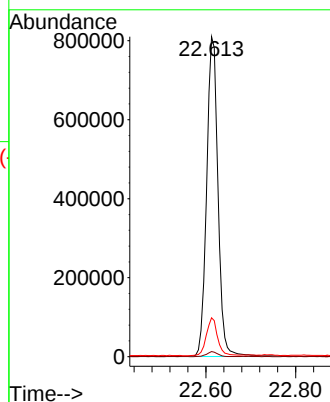
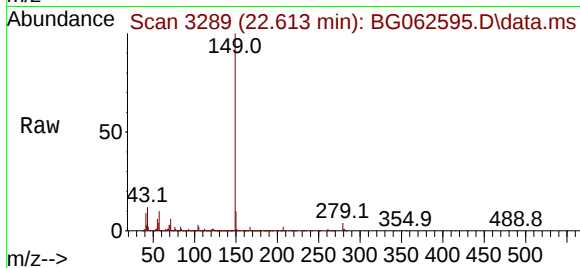
Tgt Ion:149 Resp: 1419595

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 11.8 12.7 19.1#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.628 min Scan# 3632

Delta R.T. 0.001 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

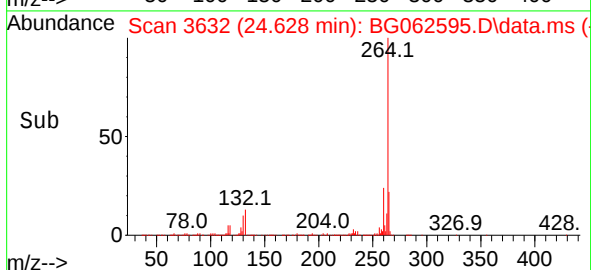
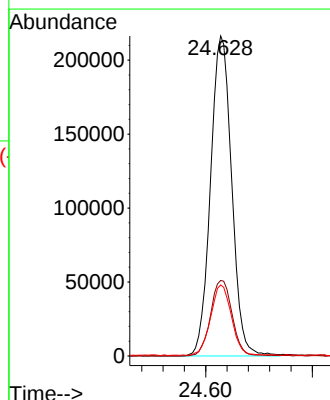
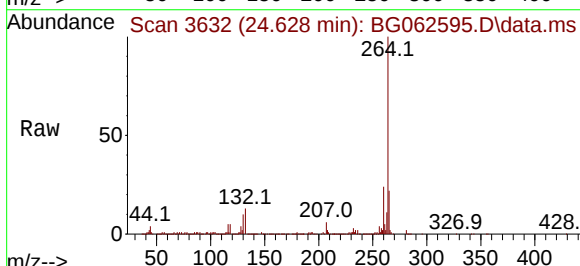
Tgt Ion:264 Resp: 595783

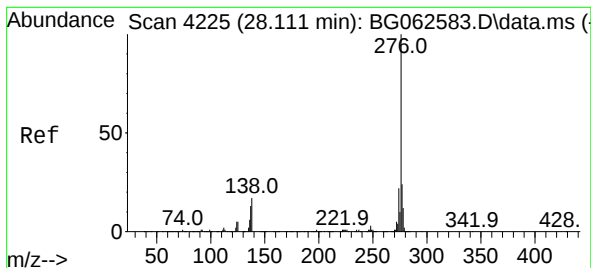
Ion Ratio Lower Upper

264 100

260 23.6 19.0 28.4

265 22.2 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 56.441 ng

RT: 28.118 min Scan# 4225

Delta R.T. 0.007 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMSD

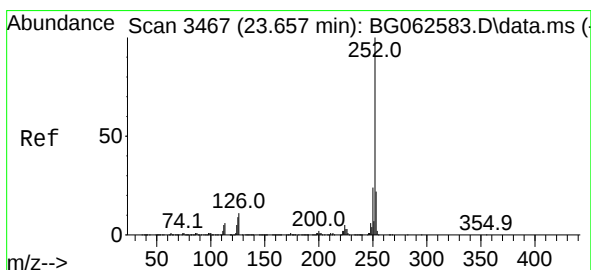
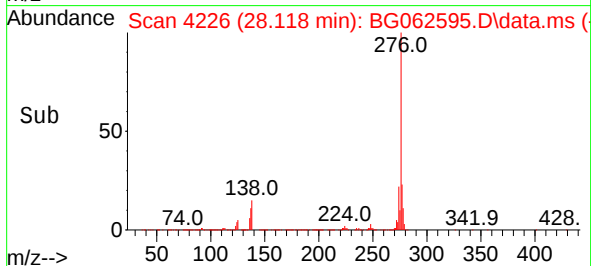
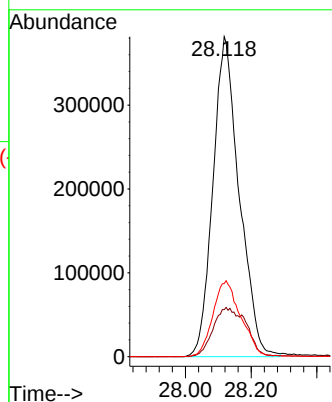
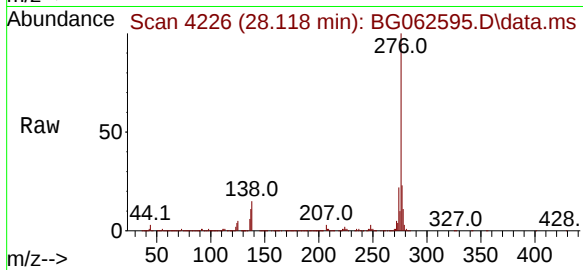
Tgt Ion:276 Resp: 2120505

Ion Ratio Lower Upper

276 100

138 19.3 12.6 18.8#

277 25.2 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 50.406 ng

RT: 23.659 min Scan# 3467

Delta R.T. 0.001 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

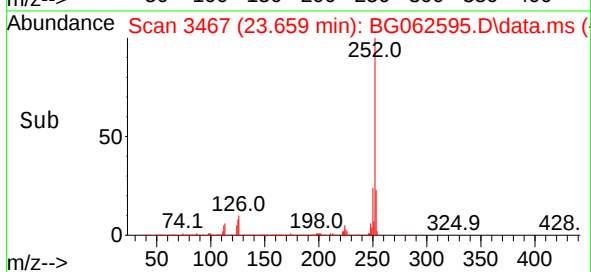
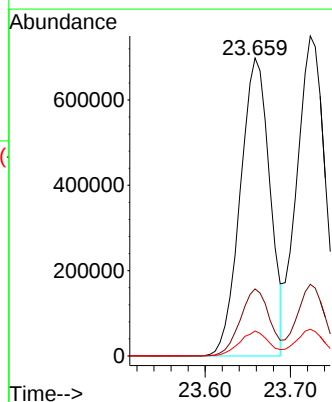
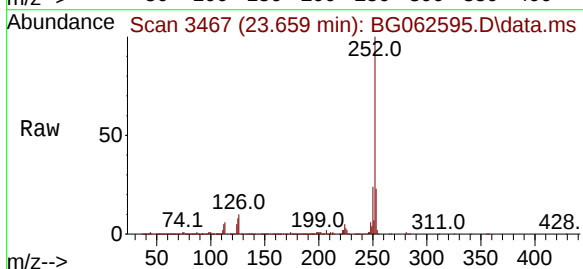
Tgt Ion:252 Resp: 1682046

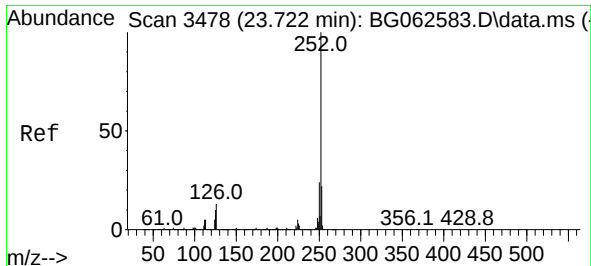
Ion Ratio Lower Upper

252 100

253 22.5 17.9 26.9

125 8.4 7.3 10.9





#89

Benzo(k)fluoranthene

Concen: 52.889 ng

RT: 23.723 min Scan# 3478

Delta R.T. 0.001 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMSD

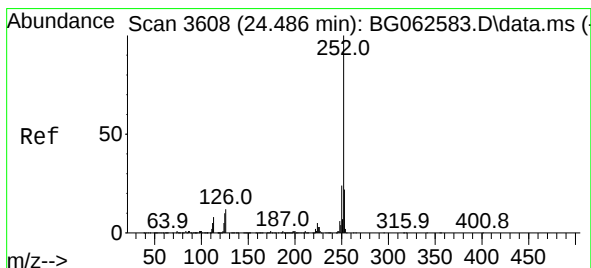
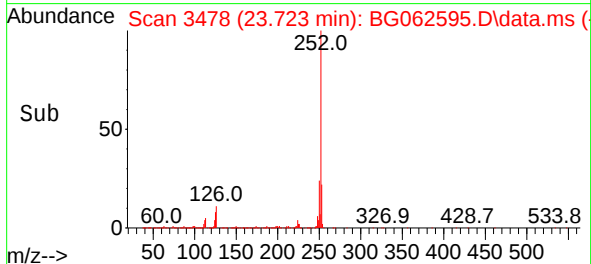
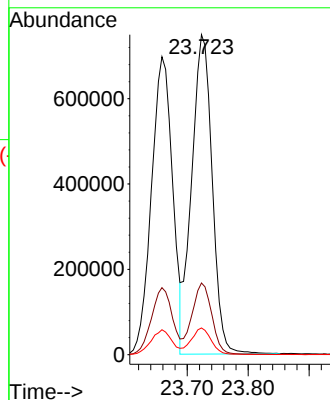
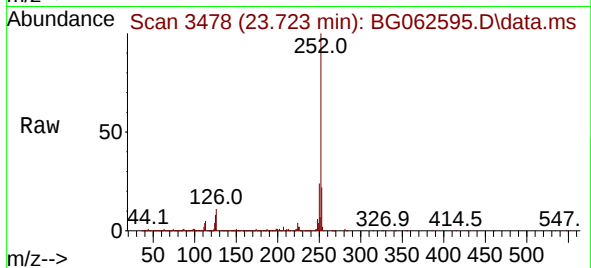
Tgt Ion:252 Resp: 1751095

Ion Ratio Lower Upper

252 100

253 22.4 17.7 26.5

125 8.4 7.5 11.3



#90

Benzo(a)pyrene

Concen: 55.670 ng

RT: 24.487 min Scan# 3608

Delta R.T. 0.001 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

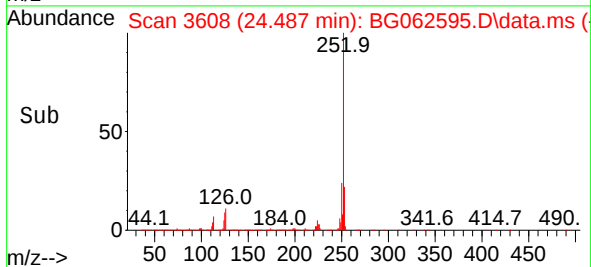
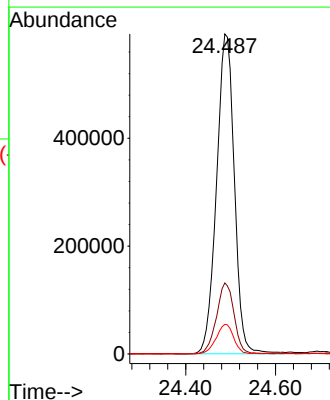
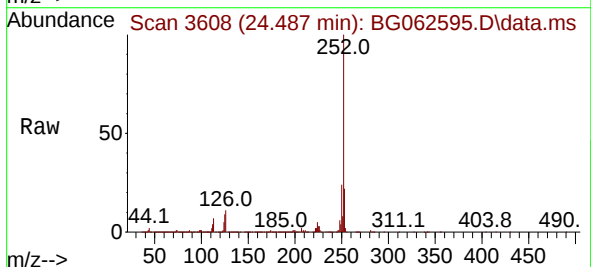
Tgt Ion:252 Resp: 1633146

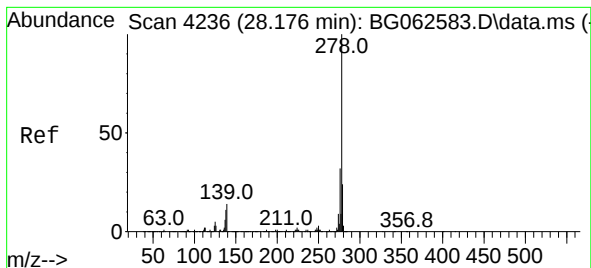
Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.2

125 9.3 7.9 11.9





#91

Dibenzo(a,h)anthracene

Concen: 55.968 ng

RT: 28.177 min Scan# 4412

Delta R.T. 0.001 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMSD

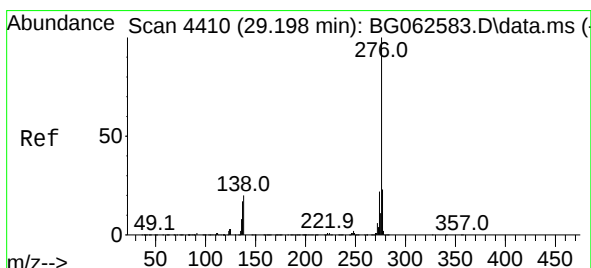
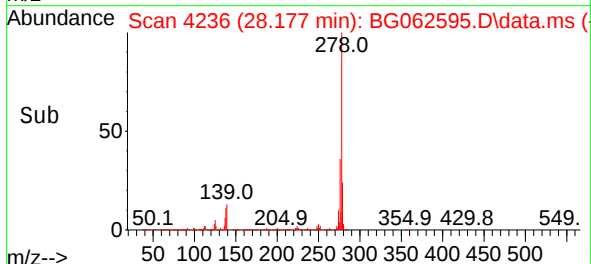
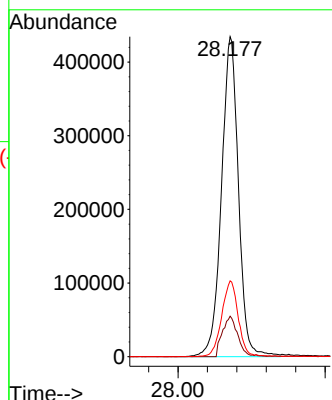
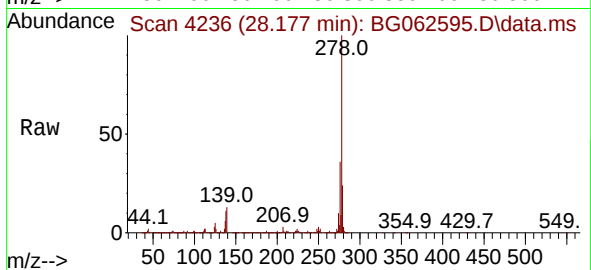
Tgt Ion:278 Resp: 1737710

Ion Ratio Lower Upper

278 100

139 12.7 11.1 16.7

279 23.7 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 50.647 ng

RT: 29.211 min Scan# 4412

Delta R.T. 0.013 min

Lab File: BG062595.D

Acq: 28 Aug 2024 14:33

Tgt Ion:276 Resp: 1598644

Ion Ratio Lower Upper

276 100

277 23.5 18.8 28.2

138 16.6 15.8 23.6

