

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111925\
 Data File : BG064820.D
 Acq On : 19 Nov 2025 18:04
 Operator : RC/JU
 Sample : Q3530-01
 Misc : LOD-SOIL-8PPM
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2025

Quant Time: Nov 20 00:23:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 20 00:22:53 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.161	152	42910	20.000	ng	0.00
21) Naphthalene-d8	10.981	136	151777	20.000	ng	0.00
39) Acenaphthene-d10	14.771	164	126585	20.000	ng	0.00
64) Phenanthrene-d10	17.503	188	302163	20.000	ng	0.00
76) Chrysene-d12	21.745	240	368206	20.000	ng	-0.01
86) Perylene-d12	25.006	264	359838	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.699	112	312917	127.341	ng	0.00
7) Phenol-d6	7.309	99	381982	116.874	ng	0.00
23) Nitrobenzene-d5	9.324	82	269867	87.912	ng	0.00
42) 2,4,6-Tribromophenol	16.246	330	297645	120.563	ng	0.00
45) 2-Fluorobiphenyl	13.402	172	768707	84.734	ng	0.00
79) Terphenyl-d14	20.088	244	1824910	97.493	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.531	88	8911	9.367	ng	97
3) Pyridine	3.942	79	19779	6.978	ng	99
4) n-Nitrosodimethylamine	3.848	42	10178	7.055	ng	# 77
6) Aniline	7.473	93	30836	7.078	ng	96
8) 2-Chlorophenol	7.726	128	20663	7.658	ng	94
9) Benzaldehyde	7.285	77	16633	7.774	ng	# 82
10) Phenol	7.332	94	25142	7.070	ng	96
11) bis(2-Chloroethyl)ether	7.567	93	17671	6.983	ng	97
12) 1,3-Dichlorobenzene	8.055	146	24775	7.980	ng	96
13) 1,4-Dichlorobenzene	8.196	146	25020	7.914	ng	99
14) 1,2-Dichlorobenzene	8.519	146	24444	7.974	ng	94
15) Benzyl Alcohol	8.390	79	16919	6.307	ng	90
16) 2,2'-oxybis(1-Chloropr...	8.690	45	39727	6.633	ng	98
17) 2-Methylphenol	8.596	107	17099	6.796	ng	89
18) Hexachloroethane	9.260	117	9513	7.945	ng	95
19) n-Nitroso-di-n-propyla...	8.960	70	16253	7.355	ng	# 86
20) 3+4-Methylphenols	8.919	107	23185	6.726	ng	94
22) Acetophenone	8.983	105	32858	7.946	ng	# 98
24) Nitrobenzene	9.365	77	25307	8.159	ng	99
25) Isophorone	9.888	82	44346	7.586	ng	99
26) 2-Nitrophenol	10.082	139	10777	7.725	ng	97
27) 2,4-Dimethylphenol	10.135	122	16795	6.776	ng	99
28) bis(2-Chloroethoxy)met...	10.370	93	25553	7.962	ng	# 97
29) 2,4-Dichlorophenol	10.623	162	20150	7.572	ng	93
30) 1,2,4-Trichlorobenzene	10.840	180	25914	8.065	ng	98
31) Naphthalene	11.028	128	66022	7.673	ng	97
32) Benzoic acid	10.211	122	3720	2.392	ng	# 72
33) 4-Chloroaniline	11.128	127	26080	7.577	ng	93
34) Hexachlorobutadiene	11.322	225	20624	7.481	ng	85
35) Caprolactam	11.862	113	5806	7.295	ng	# 73
36) 4-Chloro-3-methylphenol	12.238	107	22115	7.467	ng	94
37) 2-Methylnaphthalene	12.620	142	45142	7.011	ng	98
38) 1-Methylnaphthalene	12.838	142	48068	7.516	ng	99
40) 1,2,4,5-Tetrachloroben...	12.985	216	38019	7.718	ng	99
41) Hexachlorocyclopentadiene	12.967	237	17046	4.827	ng	100
43) 2,4,6-Trichlorophenol	13.220	196	20562	7.112	ng	95

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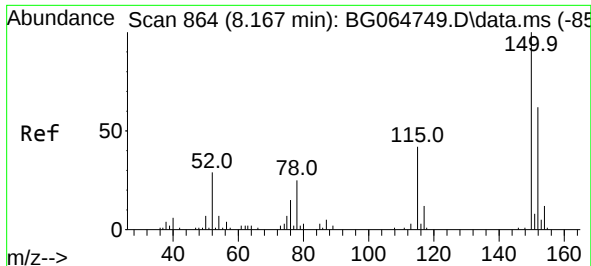
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 20 00:22:53 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.284	196	23803	7.340	ng	92
46) 1,1'-Biphenyl	13.613	154	70972	7.806	ng	98
47) 2-Chloronaphthalene	13.660	162	53811	7.513	ng	97
48) 2-Nitroaniline	13.848	65	16261	7.058	ng	93
49) Acenaphthylene	14.501	152	90367	7.385	ng	99
50) Dimethylphthalate	14.213	163	76899	7.690	ng	98
51) 2,6-Dinitrotoluene	14.330	165	14759	7.671	ng	97
52) Acenaphthene	14.835	154	53179	7.248	ng	95
53) 3-Nitroaniline	14.659	138	13014	6.853	ng	# 95
54) 2,4-Dinitrophenol	14.871	184	3575	3.564	ng	96
55) Dibenzofuran	15.164	168	93039	7.670	ng	97
56) 4-Nitrophenol	14.953	139	8925	5.923	ng	# 71
57) 2,4-Dinitrotoluene	15.112	165	21226	7.358	ng	# 93
58) Fluorene	15.811	166	72589	7.630	ng	96
59) 2,3,4,6-Tetrachlorophenol	15.382	232	24368	7.616	ng	98
60) Diethylphthalate	15.564	149	73715	7.695	ng	99
61) 4-Chlorophenyl-phenyle...	15.799	204	43213	7.569	ng	98
62) 4-Nitroaniline	15.811	138	13268	6.744	ng	# 77
63) Azobenzene	16.087	77	61411	7.708	ng	96
65) 4,6-Dinitro-2-methylph...	15.870	198	9497	5.661	ng	94
66) n-Nitrosodiphenylamine	16.005	169	65474	8.273	ng	98
67) 4-Bromophenyl-phenylether	16.686	248	30931	7.795	ng	95
68) Hexachlorobenzene	16.810	284	37137	7.725	ng	92
69) Atrazine	16.939	200	29139	7.636	ng	97
70) Pentachlorophenol	17.150	266	14021	5.905	ng	95
71) Phenanthrene	17.544	178	129989	7.863	ng	98
72) Anthracene	17.632	178	132674	7.870	ng	99
73) Carbazole	17.897	167	115799	7.991	ng	98
74) Di-n-butylphthalate	18.443	149	132289	8.182	ng	98
75) Fluoranthene	19.536	202	170850	7.557	ng	99
77) Benzidine	19.700	184	68328	6.196	ng	99
78) Pyrene	19.894	202	179200	8.684	ng	97
80) Butylbenzylphthalate	20.764	149	63446	8.741	ng	94
81) Benzo(a)anthracene	21.727	228	194349	7.763	ng	98
82) 3,3'-Dichlorobenzidine	21.633	252	71602	7.770	ng	# 99
83) Chrysene	21.792	228	184358	7.810	ng	99
84) Bis(2-ethylhexyl)phtha...	21.627	149	93515	8.817	ng	100
85) Di-n-octyl phthalate	22.850	149	148255	8.086	ng	99
87) Indeno(1,2,3-cd)pyrene	28.719	276	185464	7.502	ng	98
88) Benzo(b)fluoranthene	23.966	252	178271	7.785	ng	99
89) Benzo(k)fluoranthene	24.031	252	182470	7.931	ng	96
90) Benzo(a)pyrene	24.847	252	166378	7.832	ng	95
91) Dibenzo(a,h)anthracene	28.784	278	154063	7.607	ng	# 96
92) Benzo(g,h,i)perylene	29.877	276	143307	7.352	ng	98

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

Instrument :
BNA_G
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LOD-MDL-SOIL-01-QT4-2025

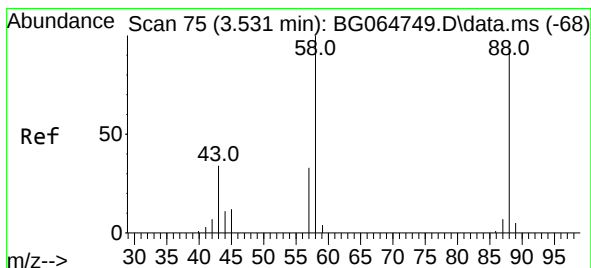
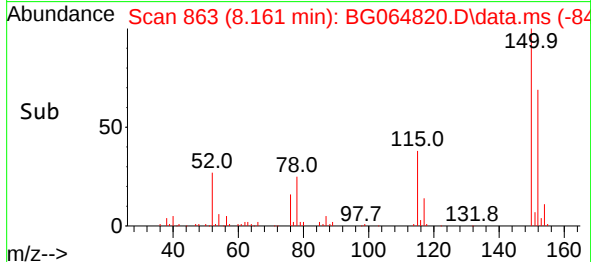
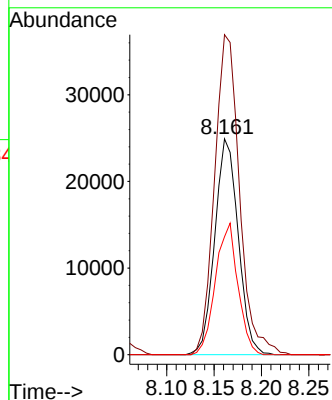
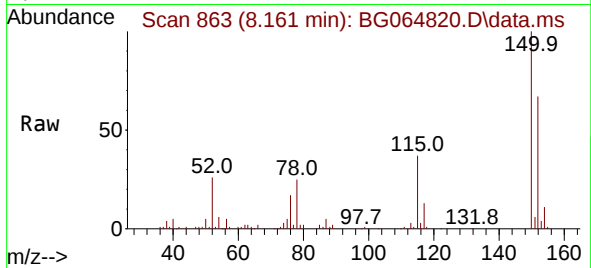
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.161 min Scan# 80
Delta R.T. -0.006 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

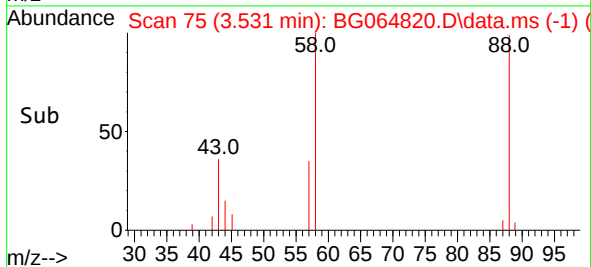
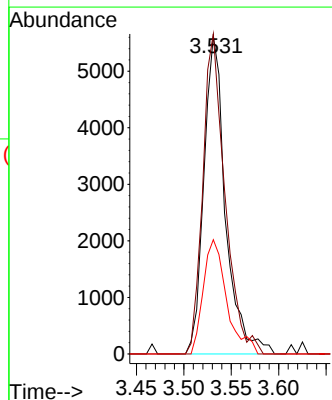
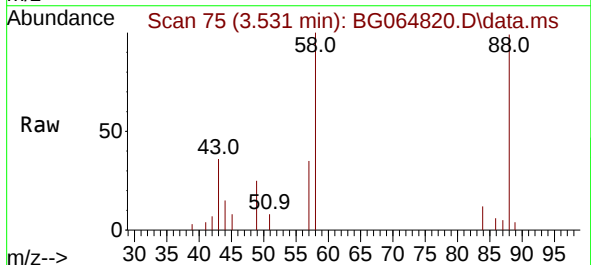
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

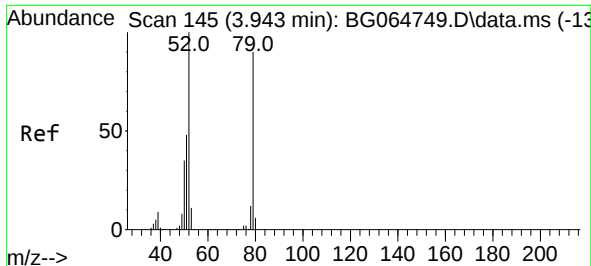
Tgt Ion:152 Resp: 42910
Ion Ratio Lower Upper
152 100
150 148.3 129.2 193.8
115 54.6 53.7 80.5



#2
1,4-Dioxane
Concen: 9.367 ng
RT: 3.531 min Scan# 75
Delta R.T. -0.000 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

Tgt Ion: 88 Resp: 8911
Ion Ratio Lower Upper
88 100
58 102.8 84.6 126.8
43 38.9 30.0 45.0





#3

Pyridine

Concen: 6.978 ng

RT: 3.942 min Scan# 145

Delta R.T. -0.000 min

Lab File: BG064820.D

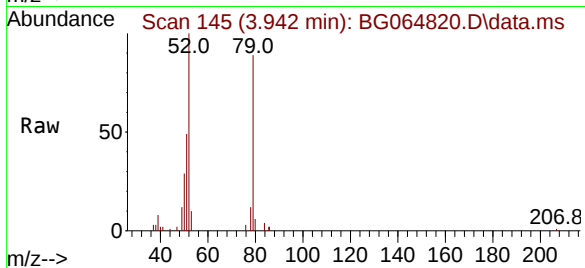
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Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025



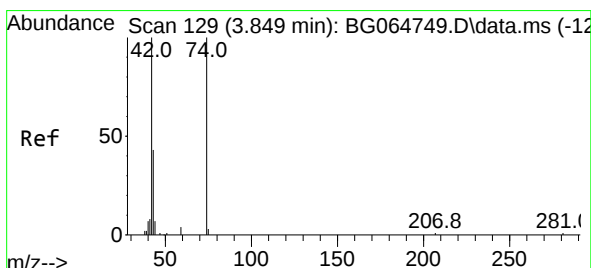
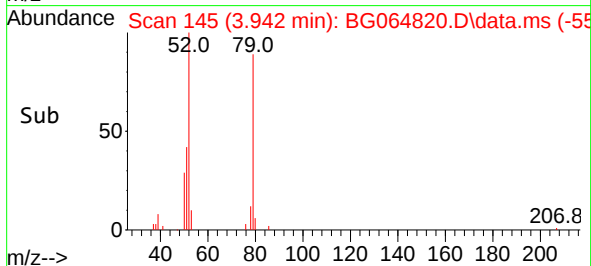
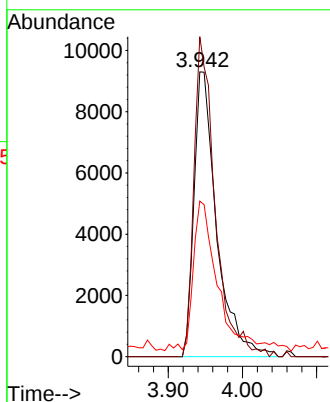
Tgt Ion: 79 Resp: 19779

Ion Ratio Lower Upper

79 100

52 112.3 89.0 133.4

51 54.6 43.4 65.0



#4

n-Nitrosodimethylamine

Concen: 7.055 ng

RT: 3.848 min Scan# 129

Delta R.T. -0.000 min

Lab File: BG064820.D

Acq: 19 Nov 2025 18:04

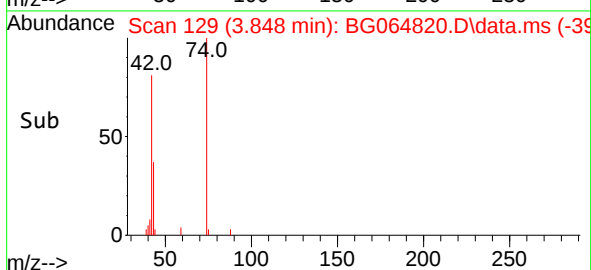
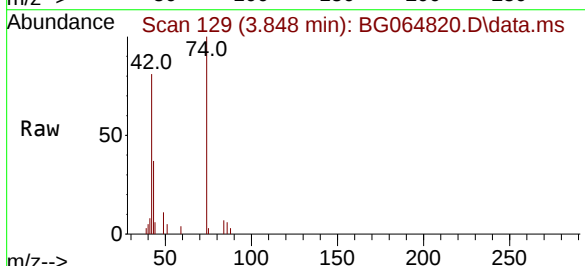
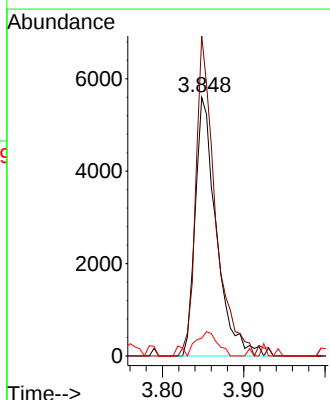
Tgt Ion: 42 Resp: 10178

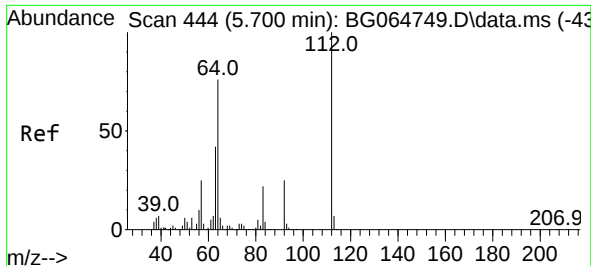
Ion Ratio Lower Upper

42 100

74 123.8 79.8 119.6#

44 6.9 5.9 8.9

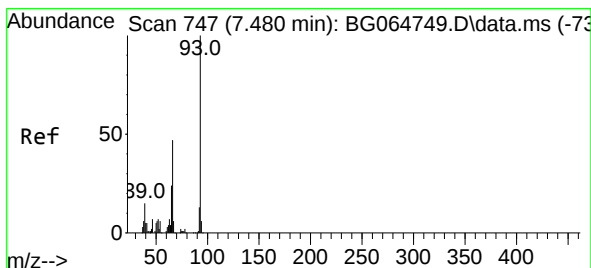
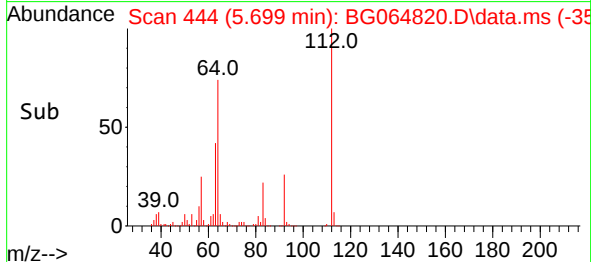
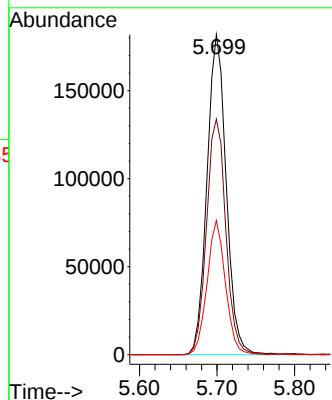
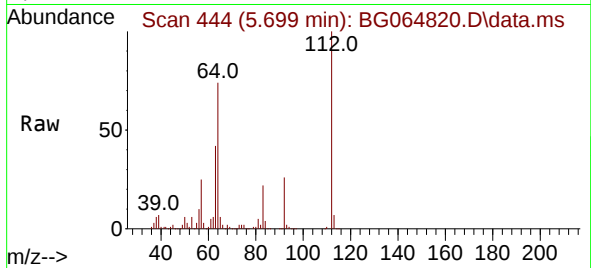




#5
2-Fluorophenol
Concen: 127.341 ng
RT: 5.699 min Scan# 444
Delta R.T. -0.000 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

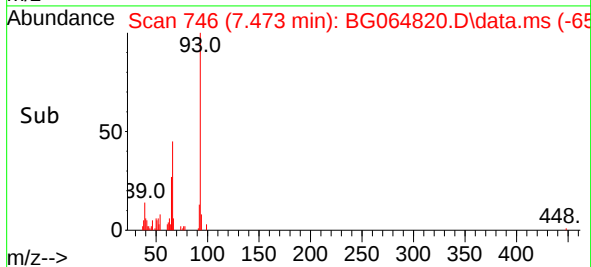
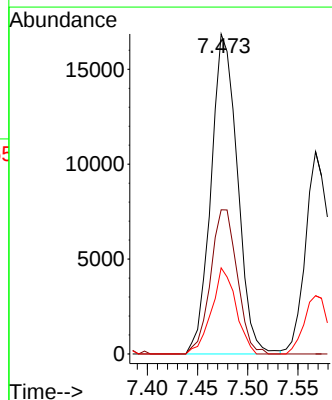
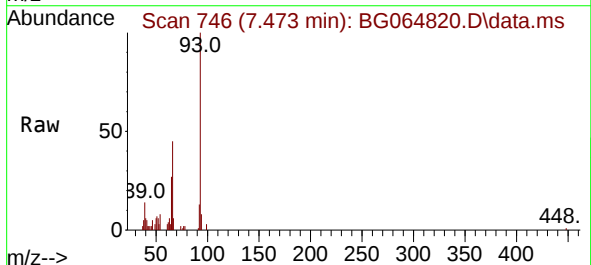
Instrument :
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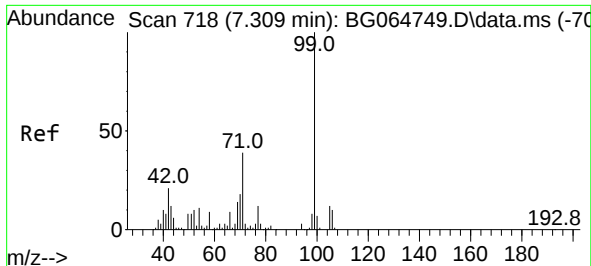
Tgt Ion:112 Resp: 312917
Ion Ratio Lower Upper
112 100
64 73.6 61.0 91.4
63 41.9 33.3 49.9



#6
Aniline
Concen: 7.078 ng
RT: 7.473 min Scan# 746
Delta R.T. -0.006 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

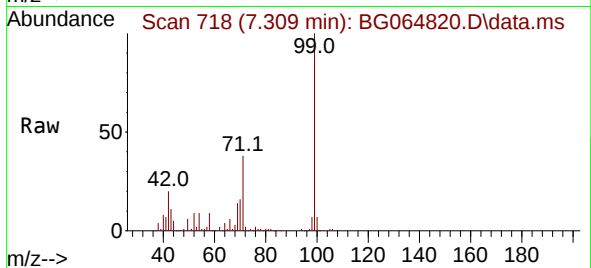
Tgt Ion: 93 Resp: 30836
Ion Ratio Lower Upper
93 100
66 45.1 37.7 56.5
65 26.9 19.1 28.7



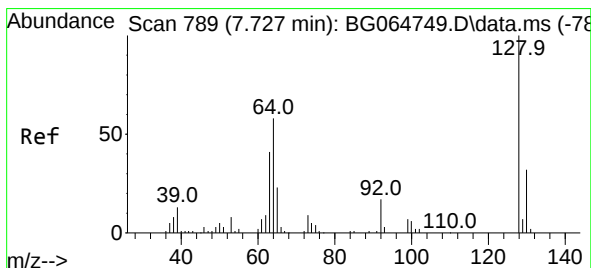
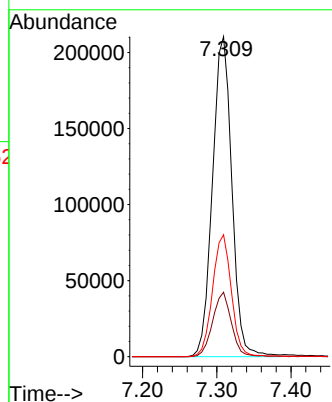
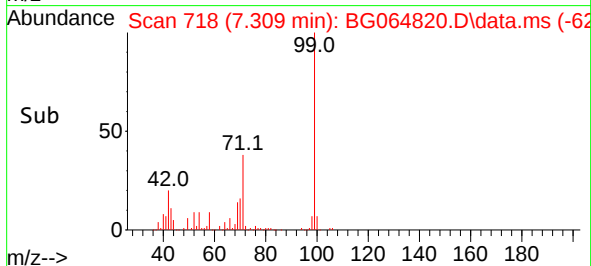


#7
Phenol-d6
Concen: 116.874 ng
RT: 7.309 min Scan# 718
Delta R.T. -0.000 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

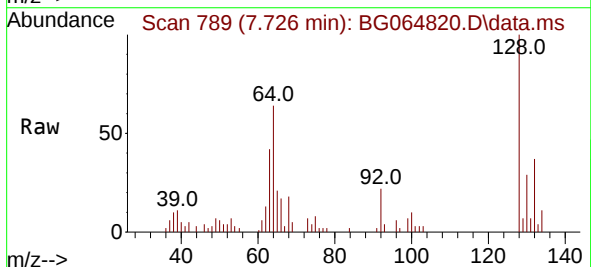
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ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025



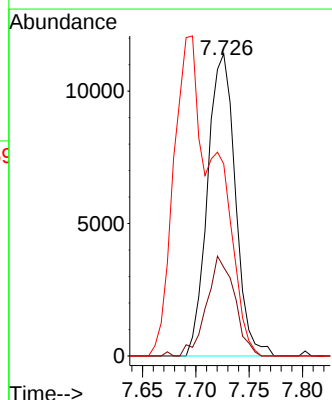
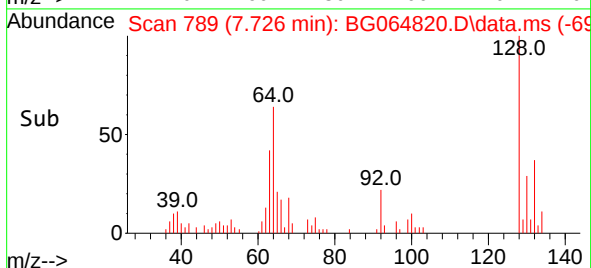
Tgt Ion: 99 Resp: 381982
Ion Ratio Lower Upper
99 100
42 20.1 16.8 25.2
71 38.1 31.1 46.7

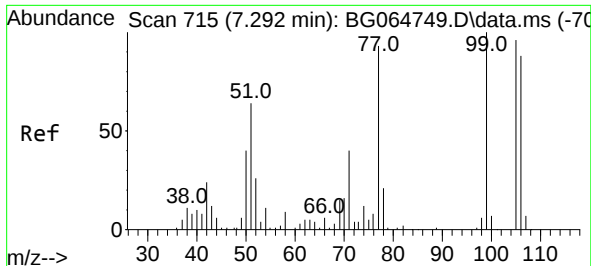


#8
2-Chlorophenol
Concen: 7.658 ng
RT: 7.726 min Scan# 789
Delta R.T. -0.000 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04



Tgt Ion: 128 Resp: 20663
Ion Ratio Lower Upper
128 100
130 29.3 11.9 51.9
64 63.5 38.4 78.4





#9

Benzaldehyde

Concen: 7.774 ng

RT: 7.285 min Scan# 714

Delta R.T. -0.006 min

Lab File: BG064820.D

Acq: 19 Nov 2025 18:04

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

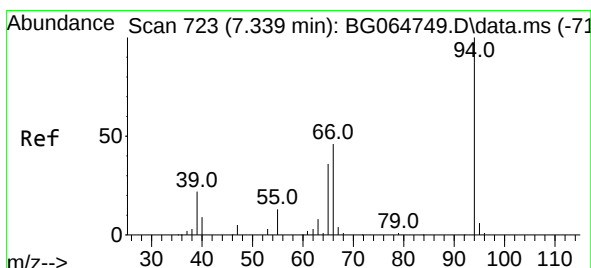
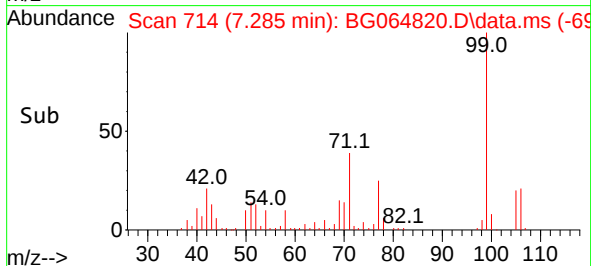
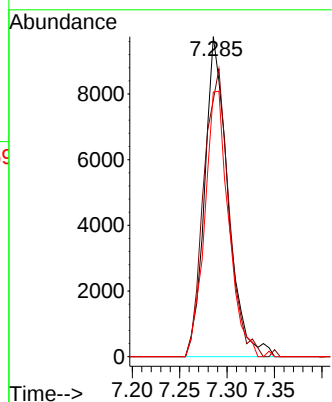
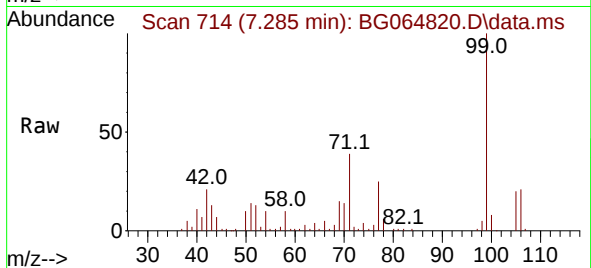
Tgt Ion: 77 Resp: 16633

Ion Ratio Lower Upper

77 100

105 80.2 83.8 123.8#

106 82.7 74.3 114.3



#10

Phenol

Concen: 7.070 ng

RT: 7.332 min Scan# 722

Delta R.T. -0.006 min

Lab File: BG064820.D

Acq: 19 Nov 2025 18:04

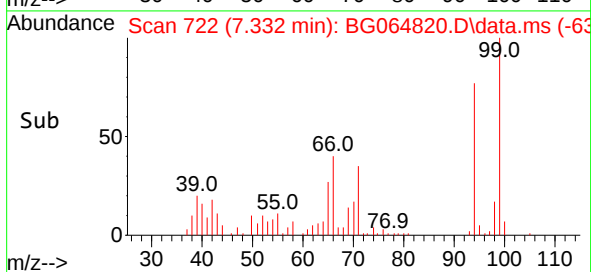
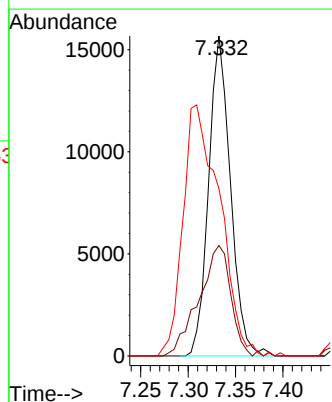
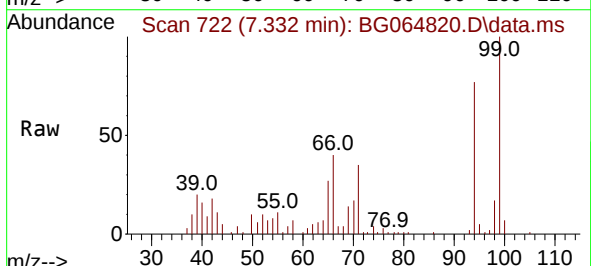
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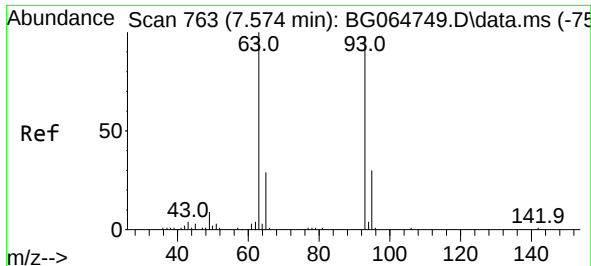
Ion Ratio Lower Upper

94 100

65 34.5 17.0 57.0

66 52.2 29.8 69.8

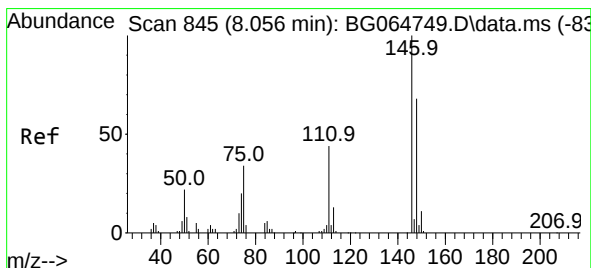
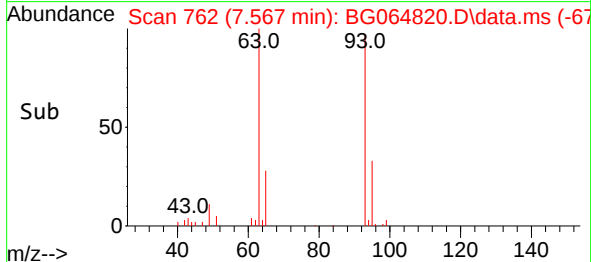
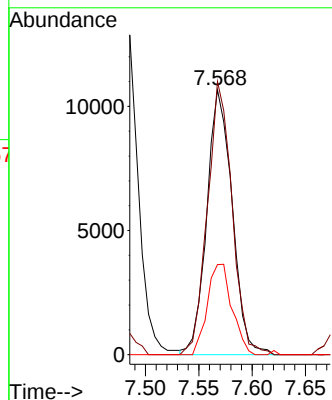
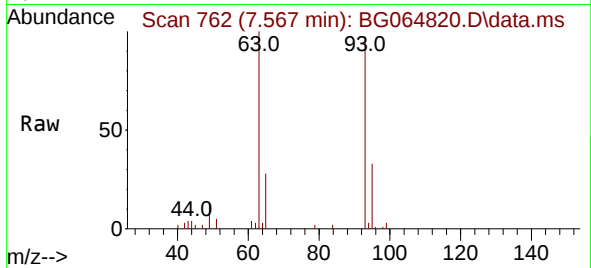




#11
bis(2-Chloroethyl)ether
Concen: 6.983 ng
RT: 7.567 min Scan# 763
Delta R.T. -0.006 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

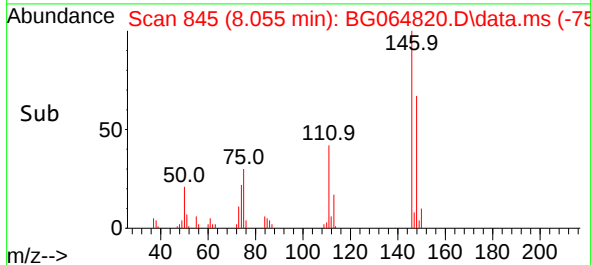
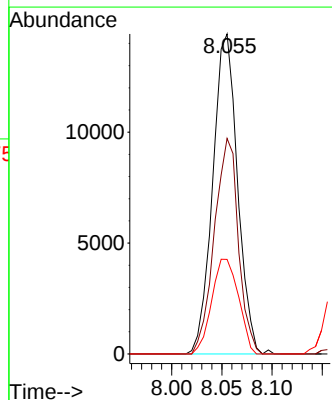
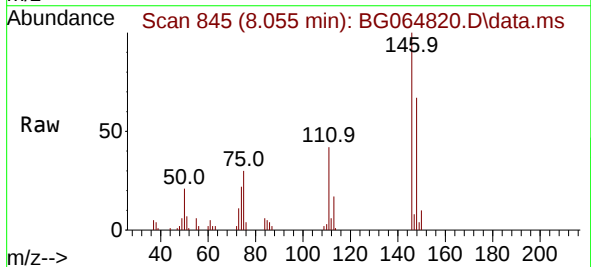
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

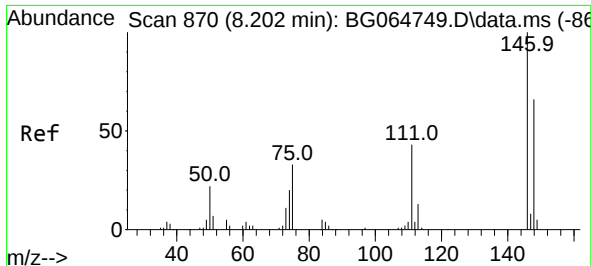
Tgt Ion: 93 Resp: 17671
Ion Ratio Lower Upper
93 100
63 103.2 81.8 121.8
95 34.0 10.3 50.3



#12
1,3-Dichlorobenzene
Concen: 7.980 ng
RT: 8.055 min Scan# 845
Delta R.T. -0.000 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

Tgt Ion: 146 Resp: 24775
Ion Ratio Lower Upper
146 100
148 67.3 54.6 82.0
75 29.5 27.6 41.4

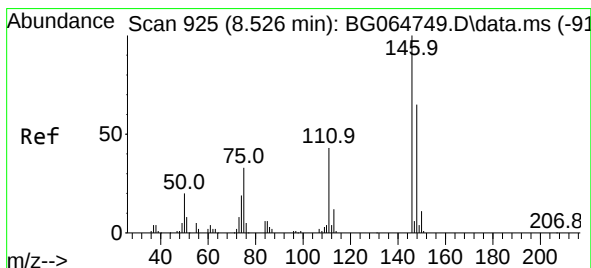
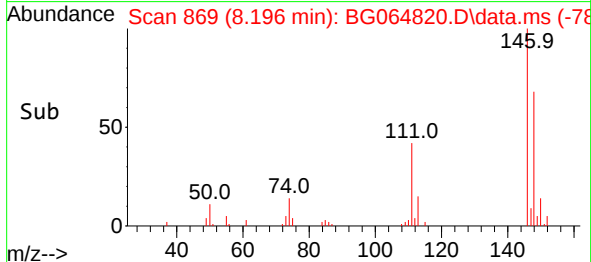
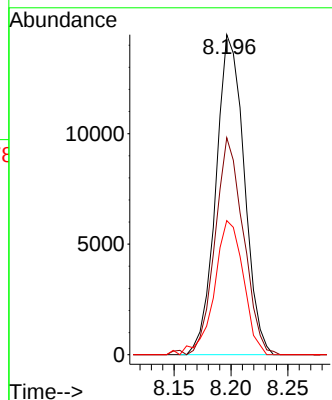
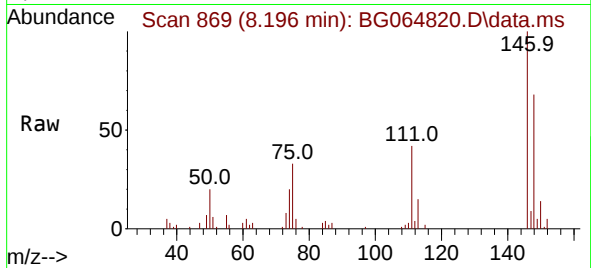




#13
1,4-Dichlorobenzene
Concen: 7.914 ng
RT: 8.196 min Scan# 80
Delta R.T. -0.006 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

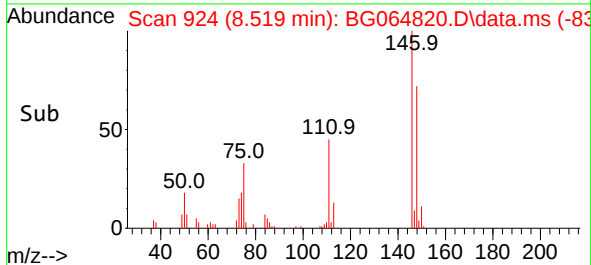
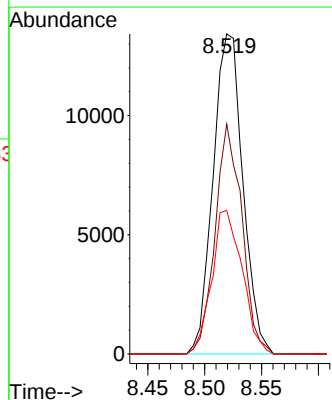
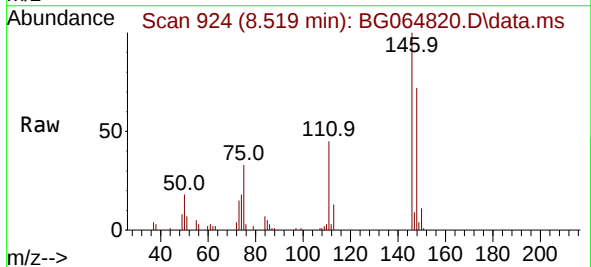
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

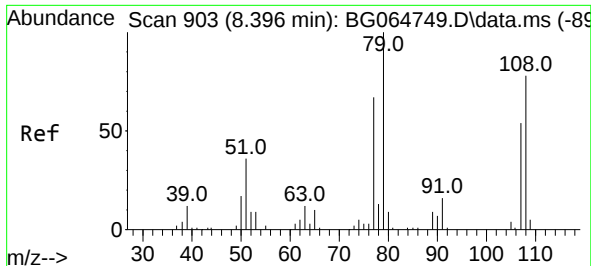
Tgt Ion:146 Resp: 25020
Ion Ratio Lower Upper
146 100
148 67.8 53.1 79.7
111 41.9 34.1 51.1



#14
1,2-Dichlorobenzene
Concen: 7.974 ng
RT: 8.519 min Scan# 924
Delta R.T. -0.006 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

Tgt Ion:146 Resp: 24444
Ion Ratio Lower Upper
146 100
148 71.9 52.0 78.0
111 44.8 34.7 52.1

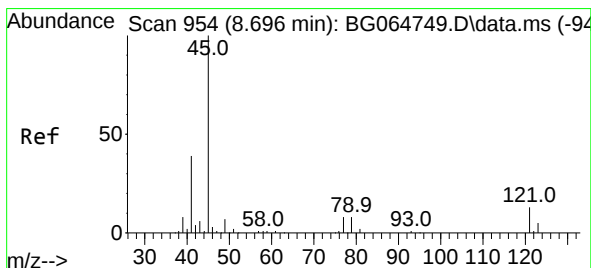
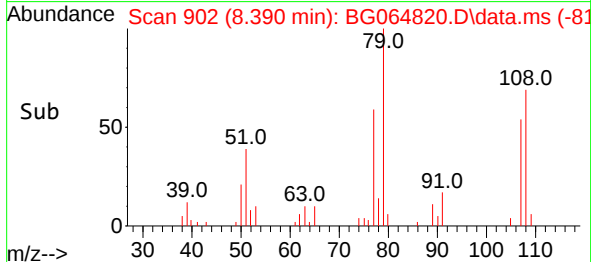
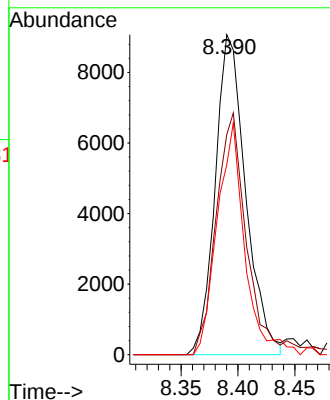
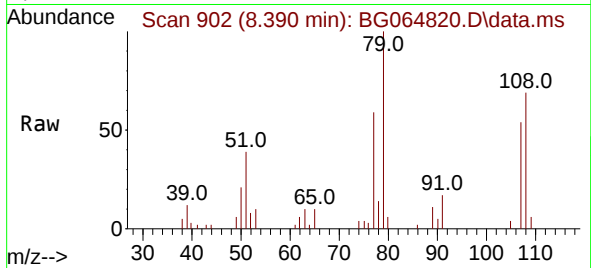




#15
Benzyl Alcohol
Concen: 6.307 ng
RT: 8.390 min Scan# 903
Delta R.T. -0.006 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

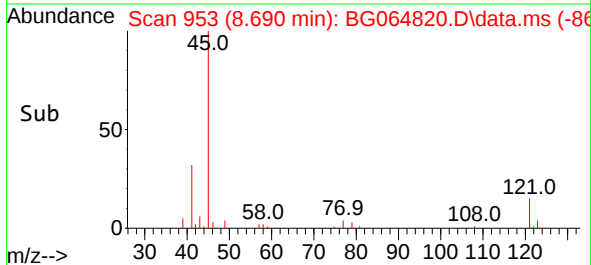
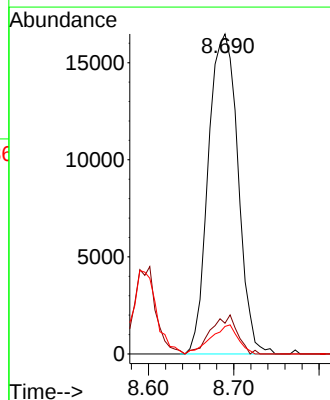
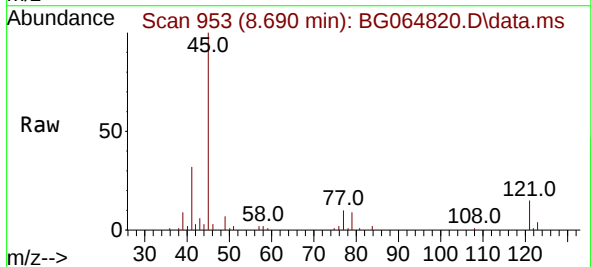
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

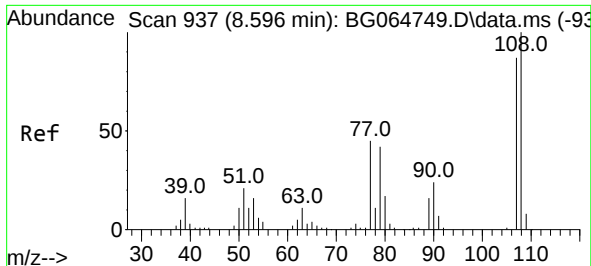
Tgt Ion: 79 Resp: 16919
Ion Ratio Lower Upper
79 100
108 68.8 62.3 93.5
77 59.4 53.5 80.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 6.633 ng
RT: 8.690 min Scan# 953
Delta R.T. -0.006 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

Tgt Ion: 45 Resp: 39727
Ion Ratio Lower Upper
45 100
77 9.6 0.0 28.8
79 8.6 0.0 28.1

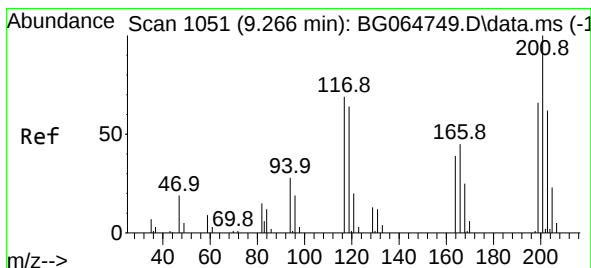
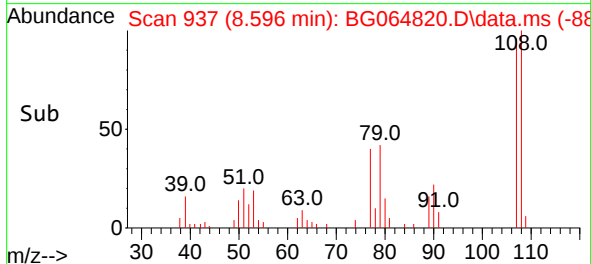
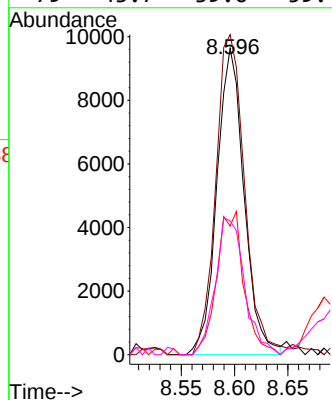
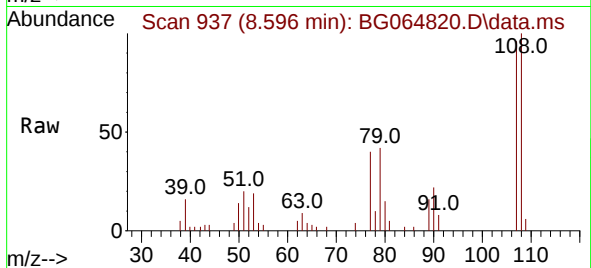




#17
2-Methylphenol
Concen: 6.796 ng
RT: 8.596 min Scan# 91
Delta R.T. -0.000 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

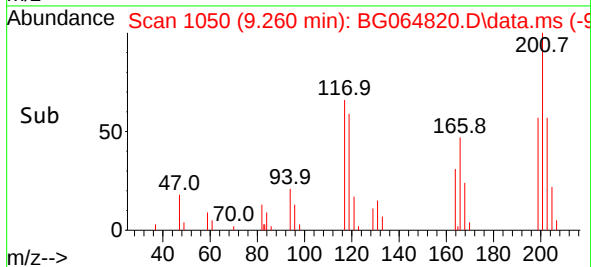
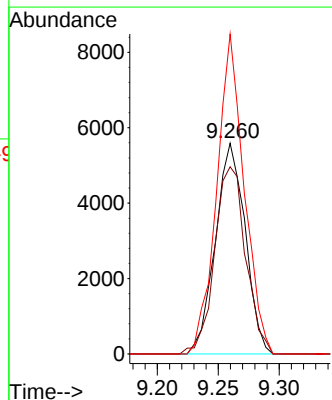
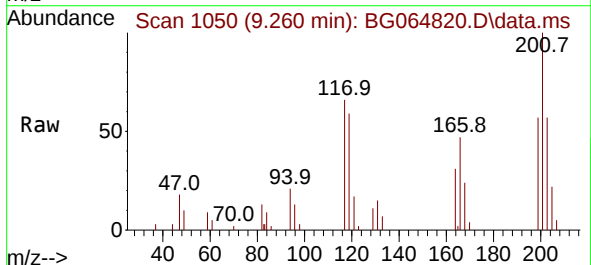
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

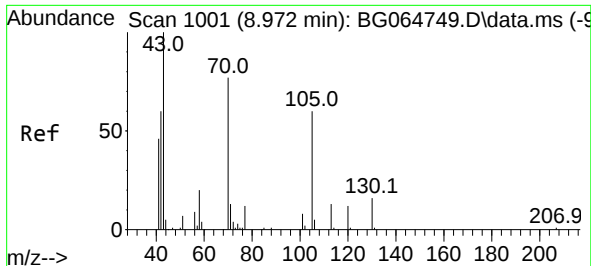
Tgt Ion:	107	Resp:	17099
Ion	Ratio	Lower	Upper
107	100		
108	104.4	92.6	138.8
77	42.0	41.2	61.8
79	43.7	39.6	59.4



#18
Hexachloroethane
Concen: 7.945 ng
RT: 9.260 min Scan# 1050
Delta R.T. -0.006 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

Tgt Ion:	117	Resp:	9513
Ion	Ratio	Lower	Upper
117	100		
119	88.8	74.4	111.6
201	151.8	116.5	174.7

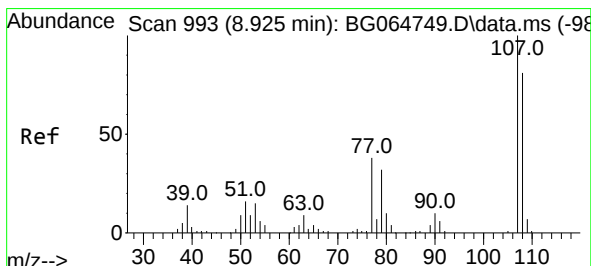
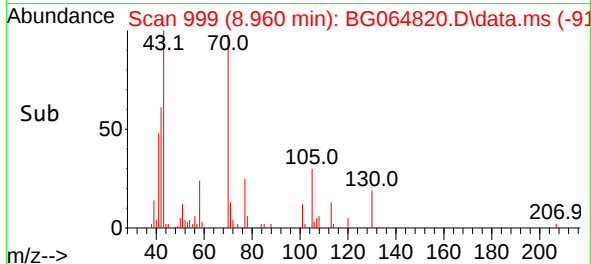
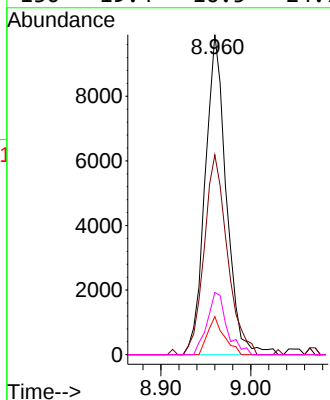
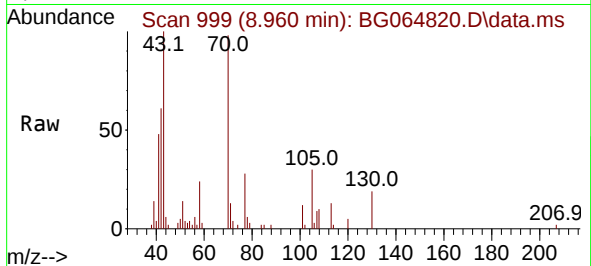




#19
n-Nitroso-di-n-propylamine
Concen: 7.355 ng
RT: 8.960 min Scan# 999
Delta R.T. -0.012 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

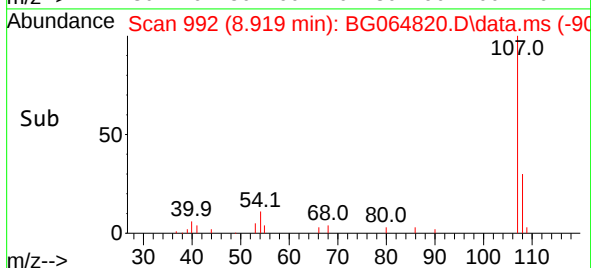
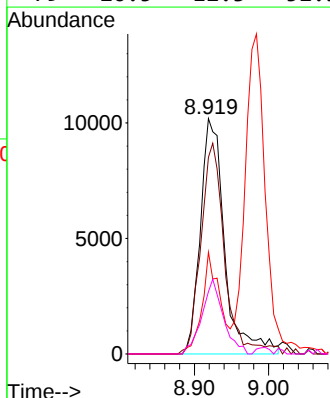
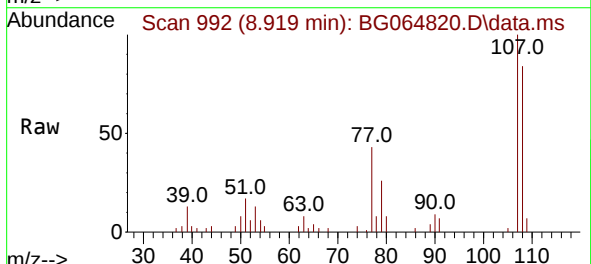
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

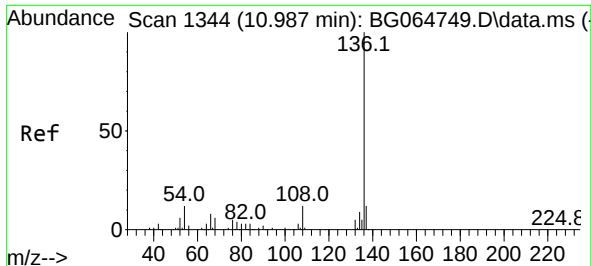
Tgt Ion:	70	Resp:	16253
Ion	Ratio	Lower	Upper
70	100		
42	62.5	62.6	93.8#
101	11.9	8.0	12.0
130	19.4	16.5	24.7



#20
3+4-Methylphenols
Concen: 6.726 ng
RT: 8.919 min Scan# 992
Delta R.T. -0.006 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

Tgt Ion:	107	Resp:	23185
Ion	Ratio	Lower	Upper
107	100		
108	83.6	61.0	101.0
77	43.2	17.6	57.6
79	26.5	12.3	52.3

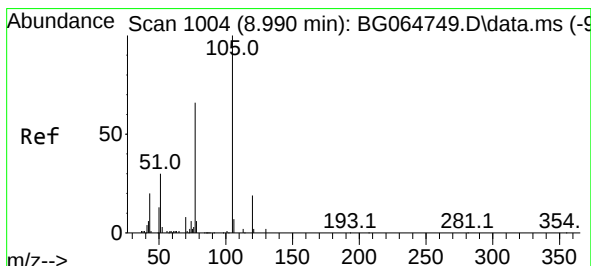
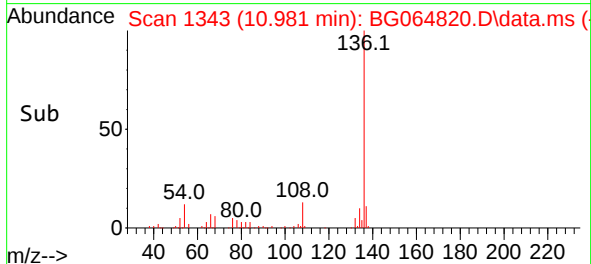
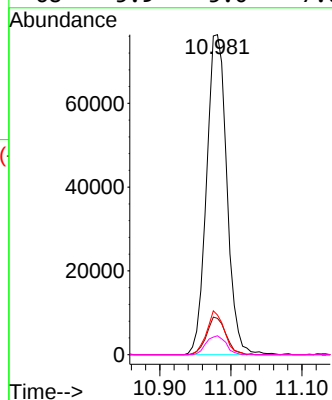
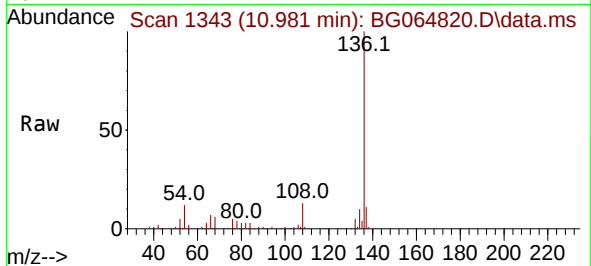




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.981 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

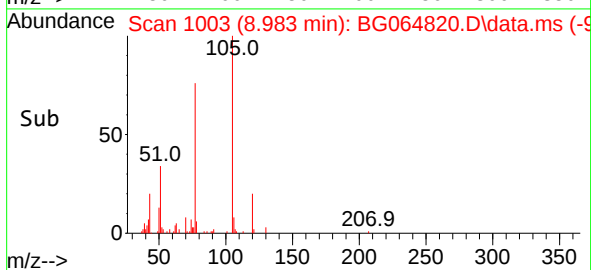
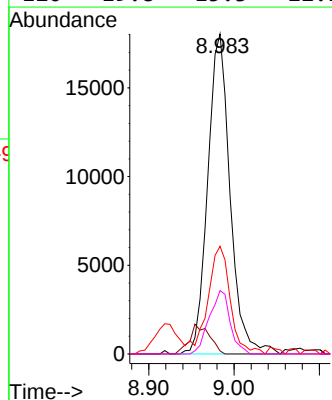
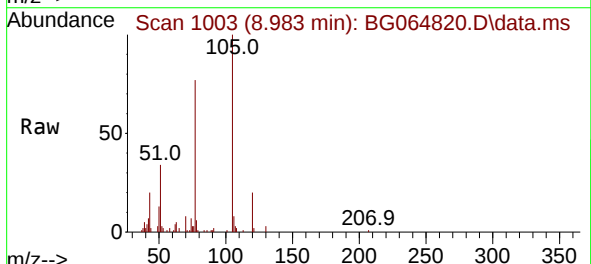
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

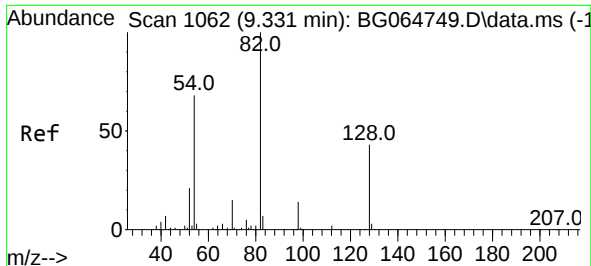
Tgt Ion:	136	Resp:	151777
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.3	13.9
54	12.4	9.3	13.9
68	5.9	5.0	7.6



#22
Acetophenone
Concen: 7.946 ng
RT: 8.983 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

Tgt Ion:	105	Resp:	32858
Ion Ratio	Lower	Upper	
105	100		
71	0.9	1.3	1.9#
51	33.7	27.9	41.9
120	19.8	15.3	22.9

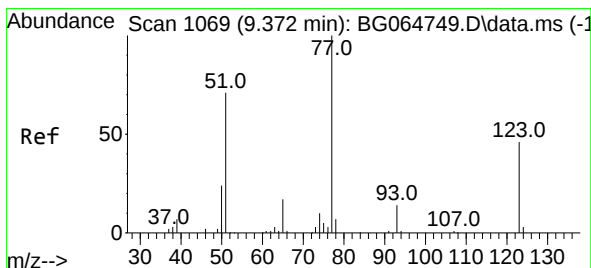
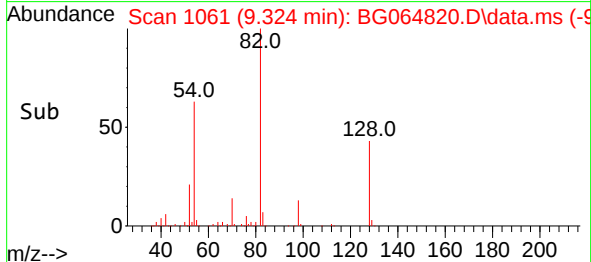
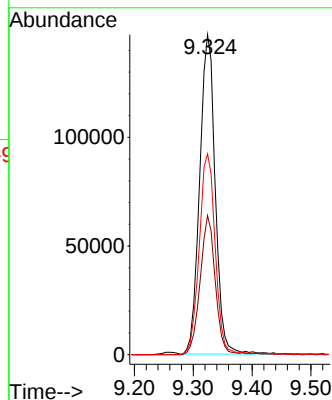
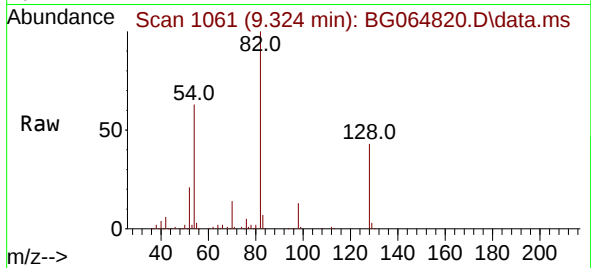




#23
Nitrobenzene-d5
Concen: 87.912 ng
RT: 9.324 min Scan# 1061
Delta R.T. -0.006 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

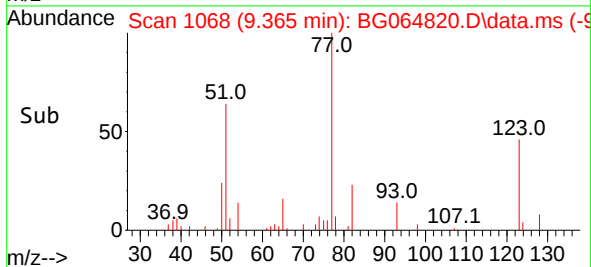
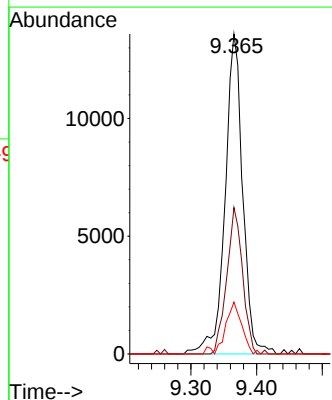
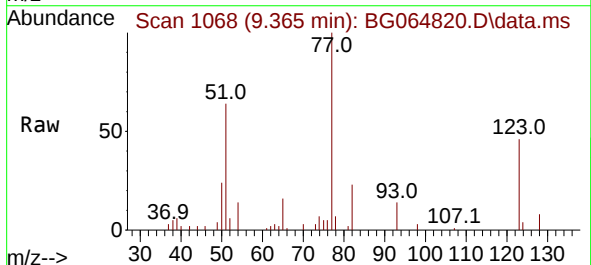
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

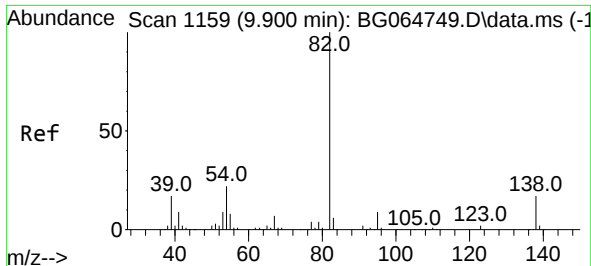
Tgt Ion: 82 Resp: 269867
Ion Ratio Lower Upper
82 100
128 43.5 34.1 51.1
54 62.7 54.3 81.5



#24
Nitrobenzene
Concen: 8.159 ng
RT: 9.365 min Scan# 1068
Delta R.T. -0.006 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

Tgt Ion: 77 Resp: 25307
Ion Ratio Lower Upper
77 100
123 45.8 36.5 54.7
65 16.2 13.5 20.3

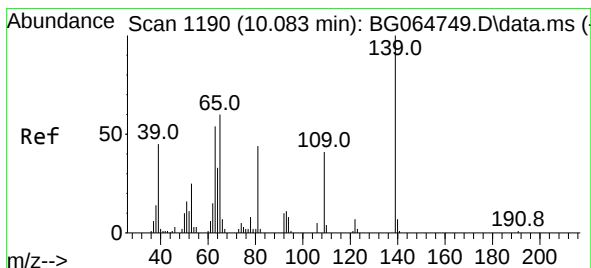
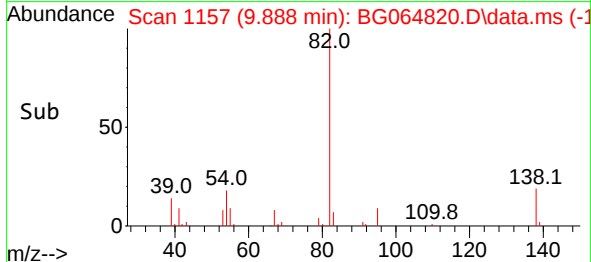
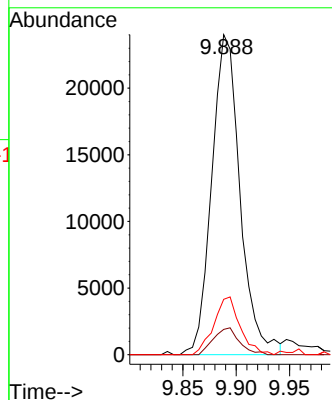
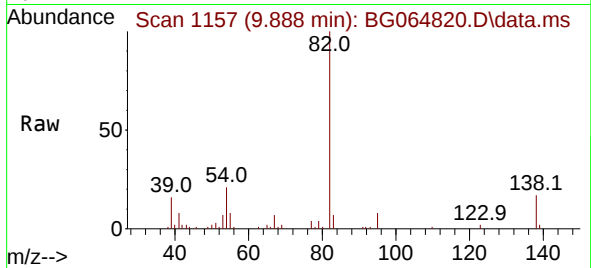




#25
Isophorone
Concen: 7.586 ng
RT: 9.888 min Scan# 1157
Delta R.T. -0.012 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

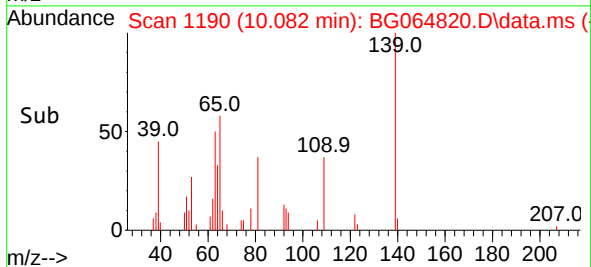
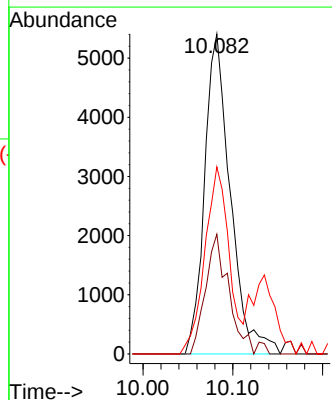
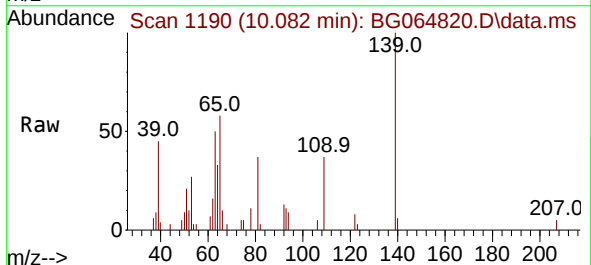
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

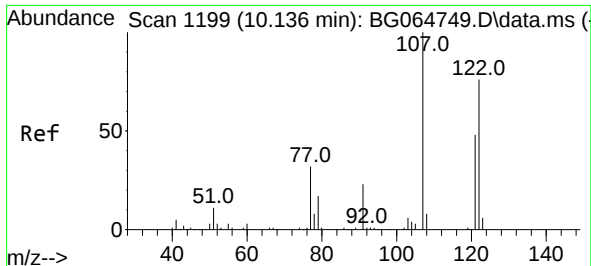
Tgt Ion: 82	Resp: 44346
Ion Ratio	Lower Upper
82 100	
95 7.9	6.9 10.3
138 17.3	13.9 20.9



#26
2-Nitrophenol
Concen: 7.725 ng
RT: 10.082 min Scan# 1190
Delta R.T. -0.000 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

Tgt Ion: 139	Resp: 10777
Ion Ratio	Lower Upper
139 100	
109 37.4	32.5 48.7
65 58.5	47.6 71.4





#27

2,4-Dimethylphenol

Concen: 6.776 ng

RT: 10.135 min Scan# 1199

Delta R.T. -0.000 min

Lab File: BG064820.D

Acq: 19 Nov 2025 18:04

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

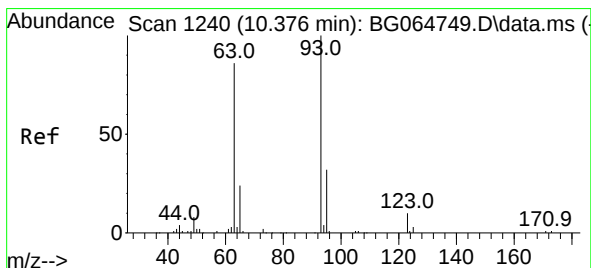
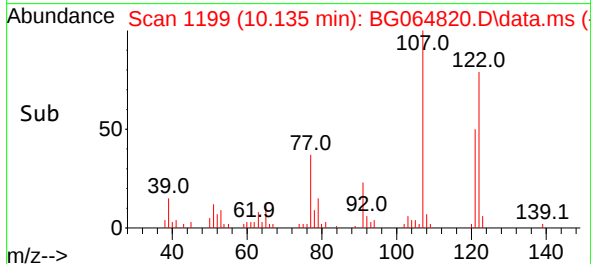
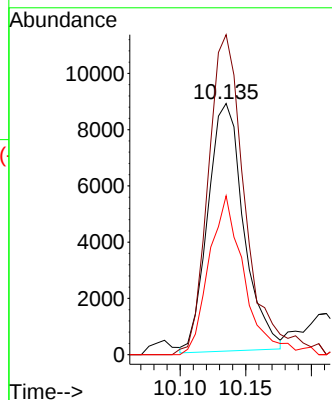
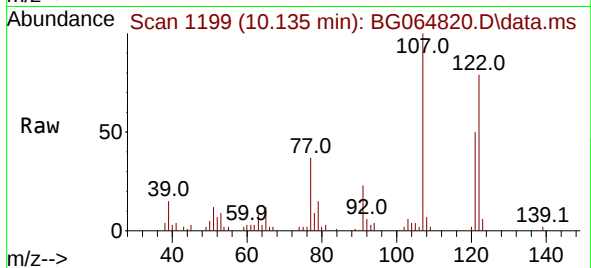
Tgt Ion:122 Resp: 16795

Ion Ratio Lower Upper

122 100

107 127.4 102.5 153.7

121 63.3 49.0 73.6



#28

bis(2-Chloroethoxy)methane

Concen: 7.962 ng

RT: 10.370 min Scan# 1239

Delta R.T. -0.006 min

Lab File: BG064820.D

Acq: 19 Nov 2025 18:04

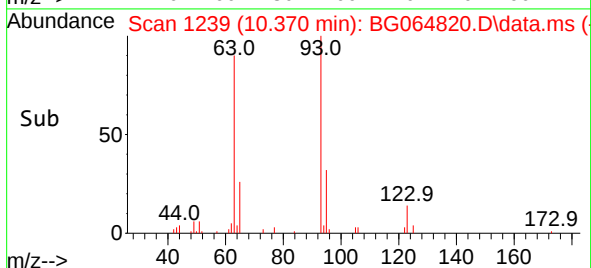
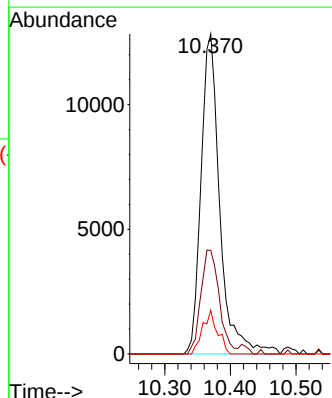
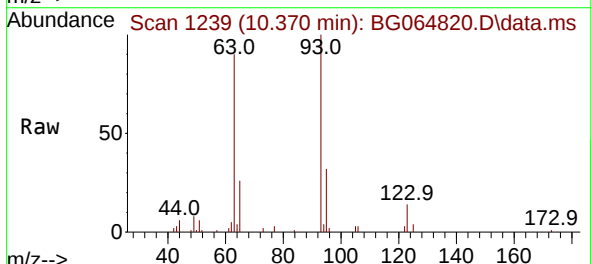
Tgt Ion: 93 Resp: 25553

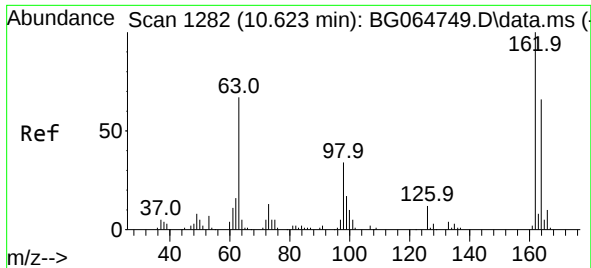
Ion Ratio Lower Upper

93 100

95 32.4 25.4 38.2

123 13.6 8.1 12.1#

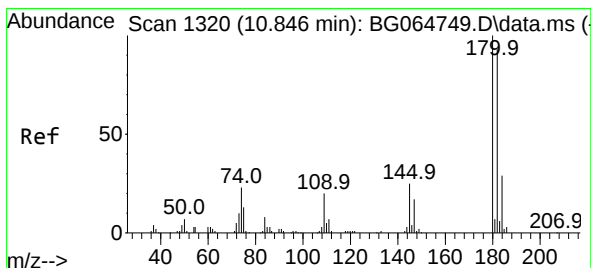
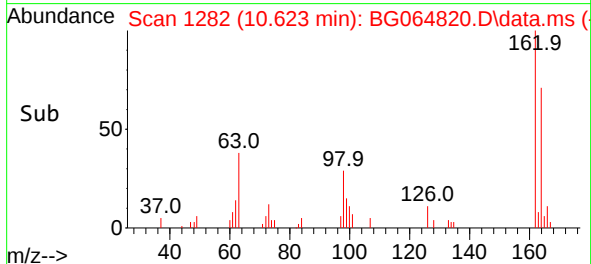
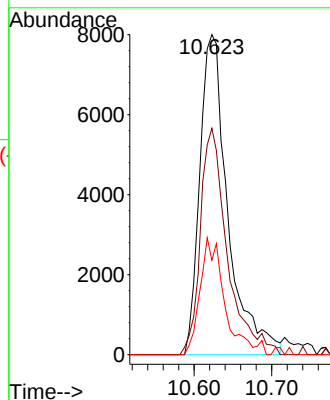
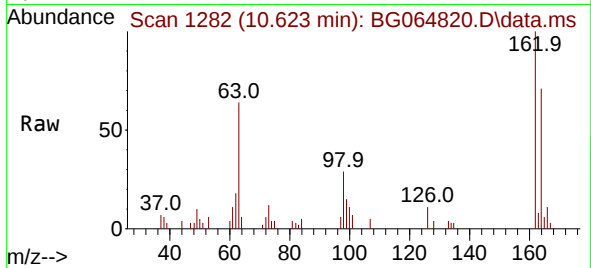




#29
2,4-Dichlorophenol
Concen: 7.572 ng
RT: 10.623 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

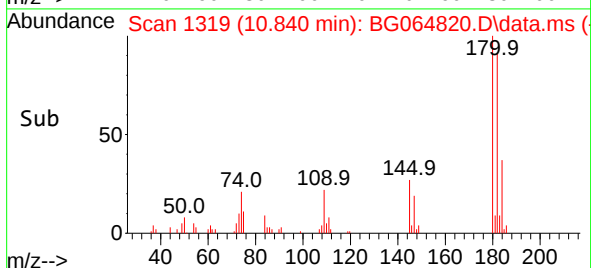
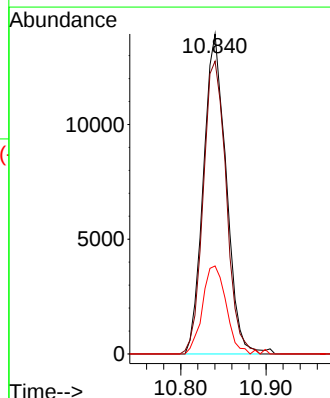
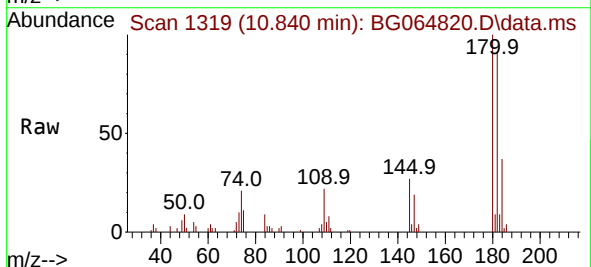
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

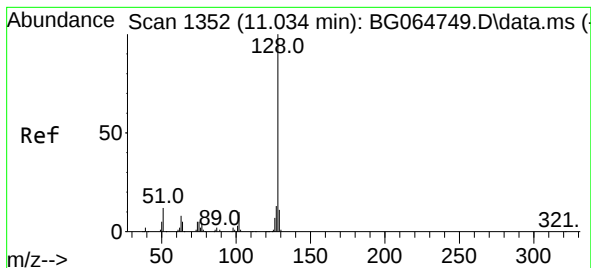
Tgt Ion:162 Resp: 20150
Ion Ratio Lower Upper
162 100
164 70.8 46.0 86.0
98 29.5 14.2 54.2



#30
1,2,4-Trichlorobenzene
Concen: 8.065 ng
RT: 10.840 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

Tgt Ion:180 Resp: 25914
Ion Ratio Lower Upper
180 100
182 91.5 74.2 111.4
145 27.5 20.0 30.0





#31

Naphthalene

Concen: 7.673 ng

RT: 11.028 min Scan# 11

Delta R.T. -0.006 min

Lab File: BG064820.D

Acq: 19 Nov 2025 18:04

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

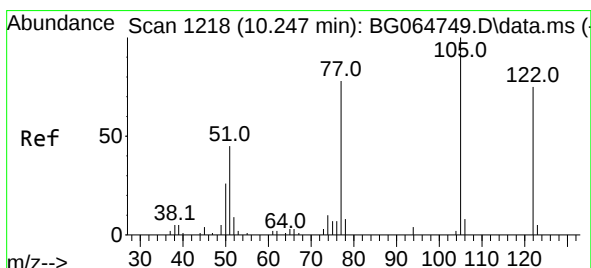
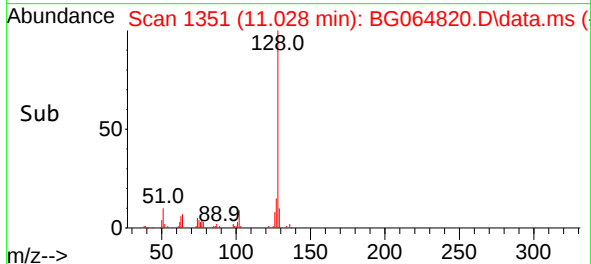
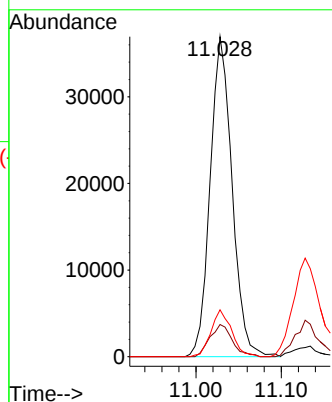
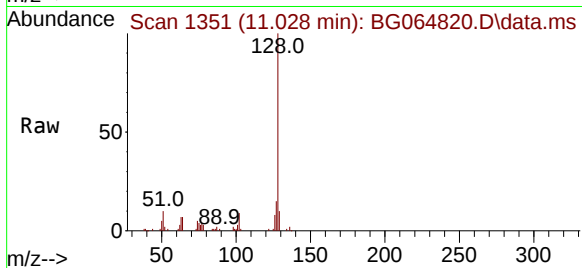
Tgt Ion:128 Resp: 66022

Ion Ratio Lower Upper

128 100

129 10.1 8.6 12.8

127 14.7 10.6 16.0



#32

Benzoic acid

Concen: 2.392 ng

RT: 10.211 min Scan# 1212

Delta R.T. -0.036 min

Lab File: BG064820.D

Acq: 19 Nov 2025 18:04

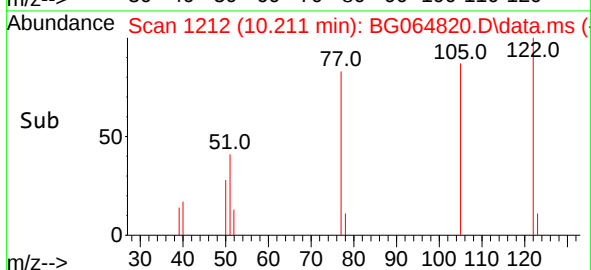
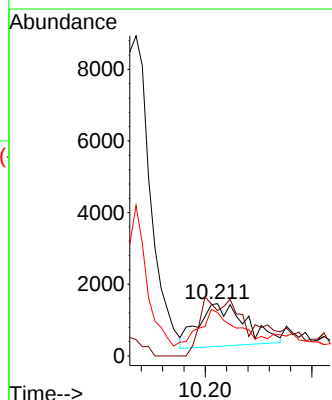
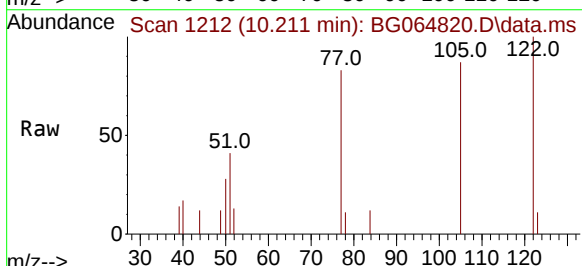
Tgt Ion:122 Resp: 3720

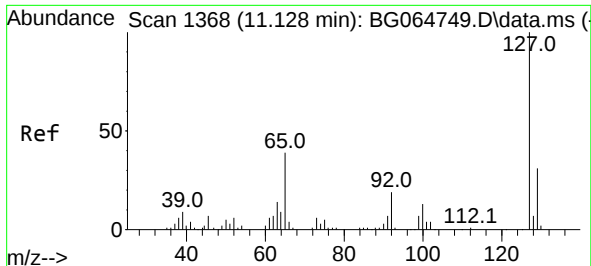
Ion Ratio Lower Upper

122 100

105 86.9 107.6 147.6#

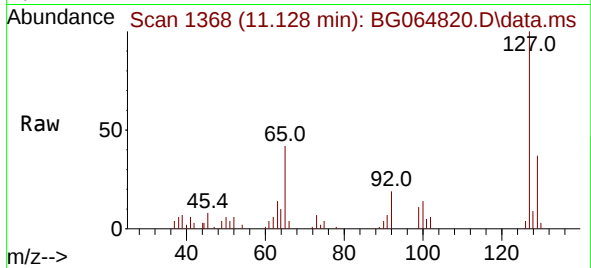
77 83.1 82.5 122.5



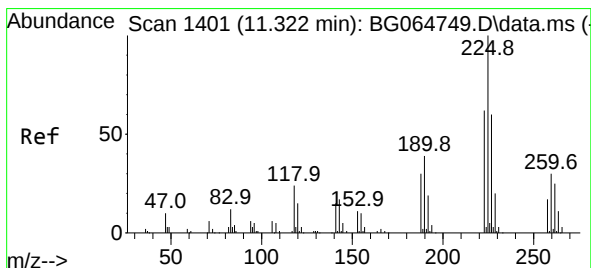
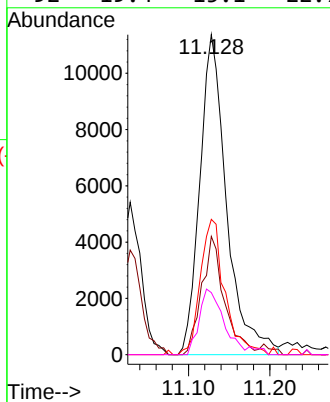
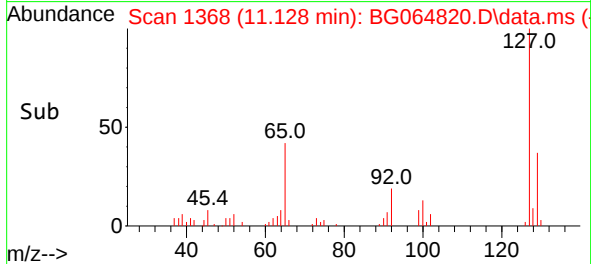


#33
4-Chloroaniline
Concen: 7.577 ng
RT: 11.128 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

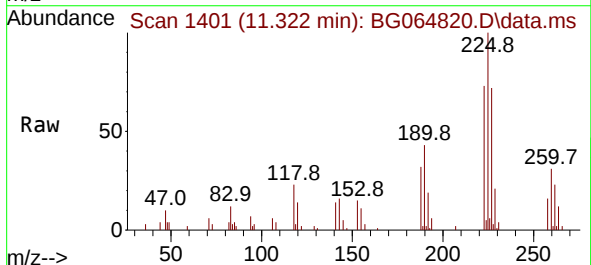
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025



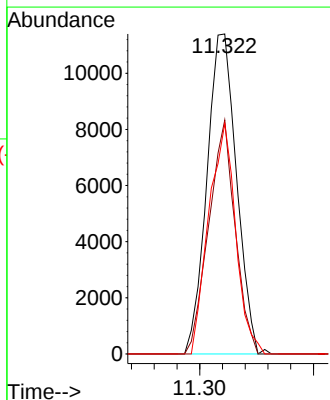
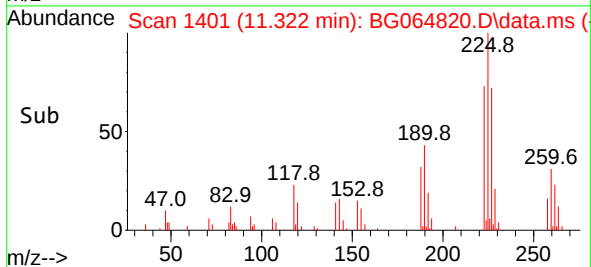
Tgt Ion:	127	Resp:	26080
Ion	Ratio	Lower	Upper
127	100		
129	37.0	24.9	37.3
65	42.3	30.9	46.3
92	19.4	15.1	22.7

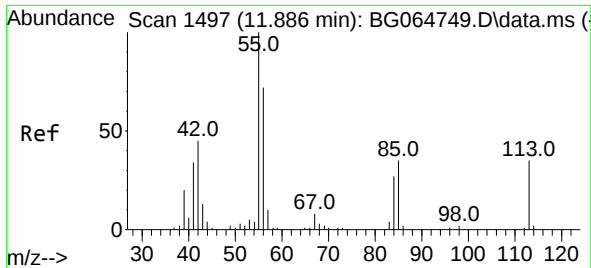


#34
Hexachlorobutadiene
Concen: 7.481 ng
RT: 11.322 min Scan# 1401
Delta R.T. -0.000 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04



Tgt Ion:	225	Resp:	20624
Ion	Ratio	Lower	Upper
225	100		
223	73.1	49.9	74.9
227	75.4	50.6	75.8

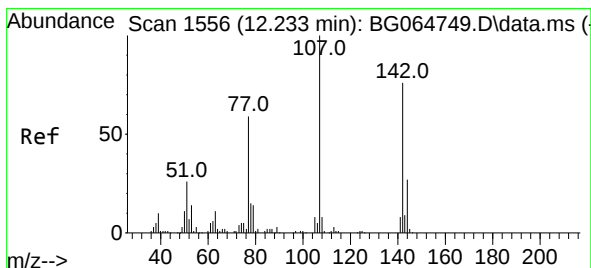
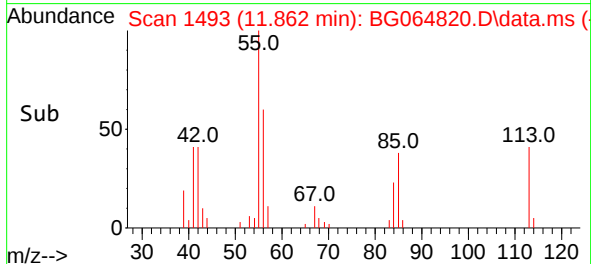
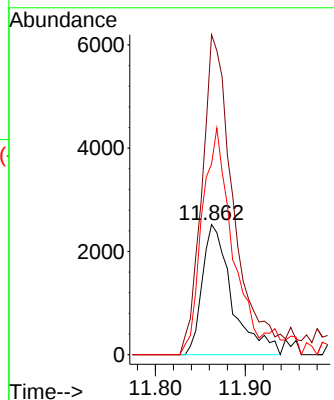
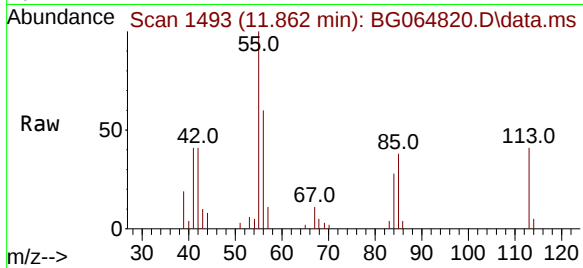




#35
 Caprolactam
 Concen: 7.295 ng
 RT: 11.862 min Scan# 1493
 Delta R.T. -0.024 min
 Lab File: BG064820.D
 Acq: 19 Nov 2025 18:04

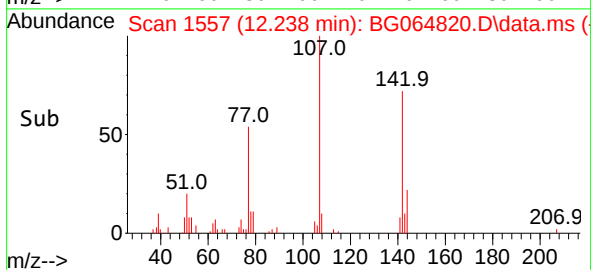
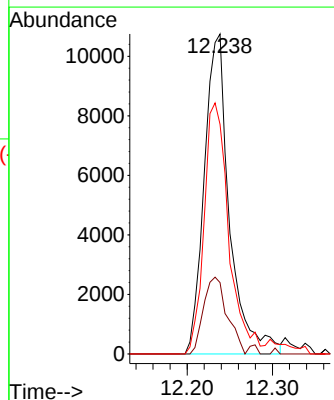
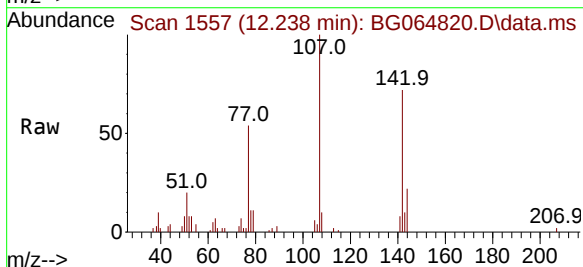
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2025

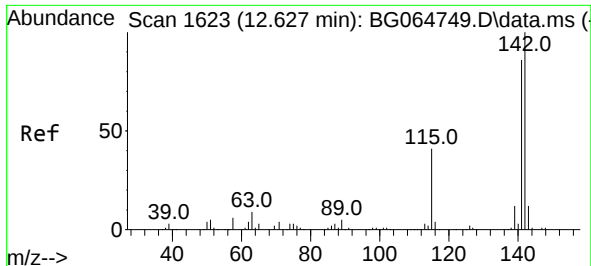
Tgt Ion:113 Resp: 5806
 Ion Ratio Lower Upper
 113 100
 55 246.1 263.7 303.7#
 56 146.7 184.0 224.0#



#36
 4-Chloro-3-methylphenol
 Concen: 7.467 ng
 RT: 12.238 min Scan# 1557
 Delta R.T. 0.005 min
 Lab File: BG064820.D
 Acq: 19 Nov 2025 18:04

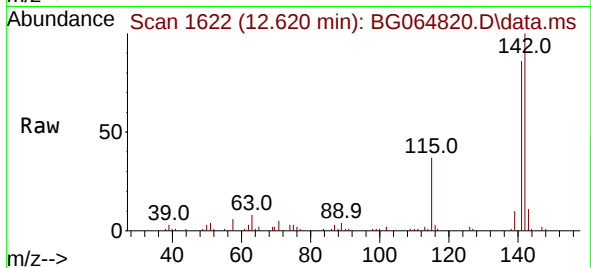
Tgt Ion:107 Resp: 22115
 Ion Ratio Lower Upper
 107 100
 144 22.3 21.7 32.5
 142 71.7 60.8 91.2



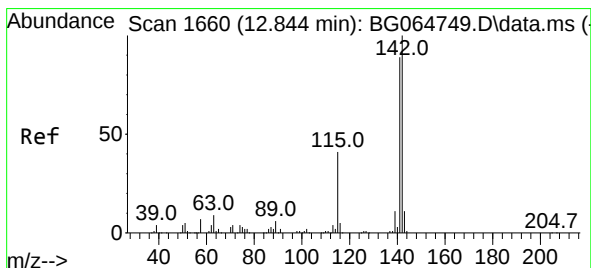
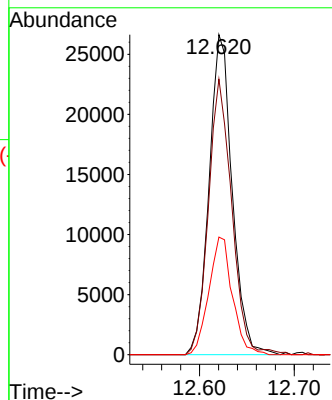
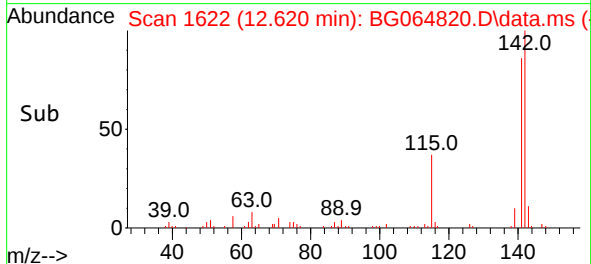


#37
2-Methylnaphthalene
Concen: 7.011 ng
RT: 12.620 min Scan# 1622
Delta R.T. -0.006 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

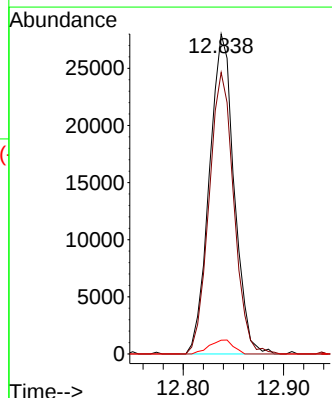
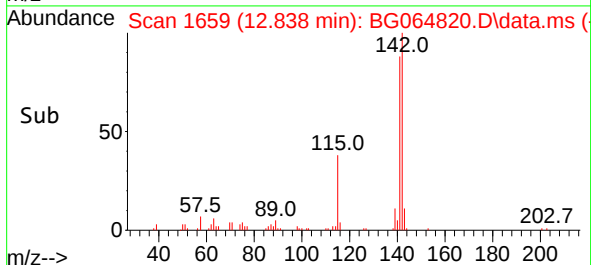
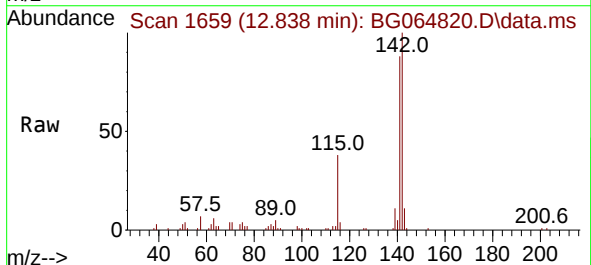


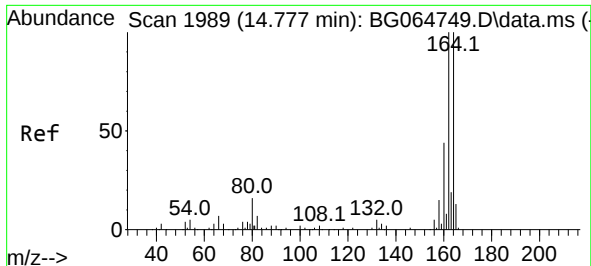
Tgt Ion:142 Resp: 45142
Ion Ratio Lower Upper
142 100
141 86.1 69.1 103.7
115 36.7 32.9 49.3



#38
1-Methylnaphthalene
Concen: 7.516 ng
RT: 12.838 min Scan# 1659
Delta R.T. -0.006 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

Tgt Ion:142 Resp: 48068
Ion Ratio Lower Upper
142 100
141 88.0 70.8 106.2
116 4.3 3.7 5.5

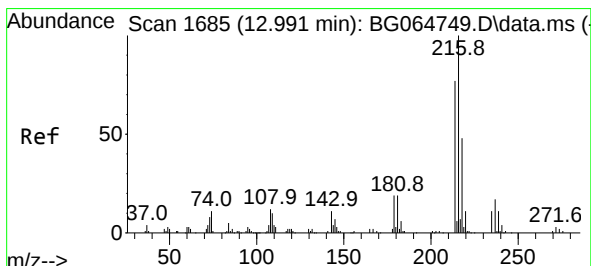
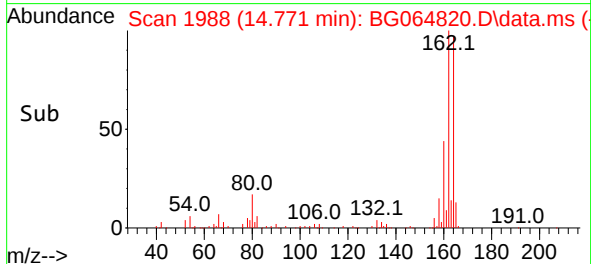
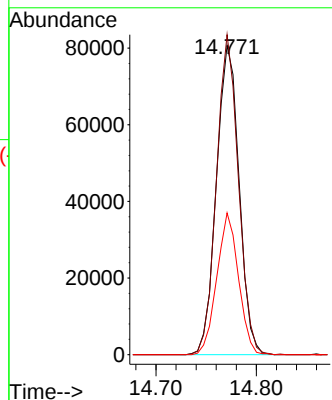
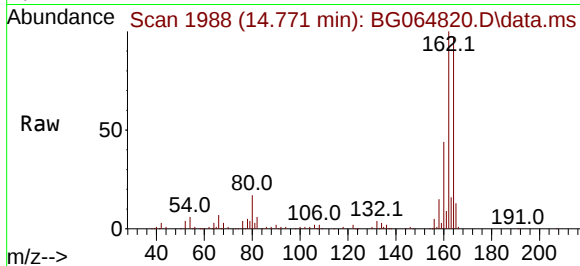




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.771 min Scan# 1989
Delta R.T. -0.006 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

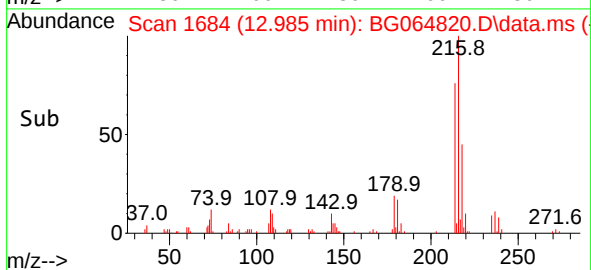
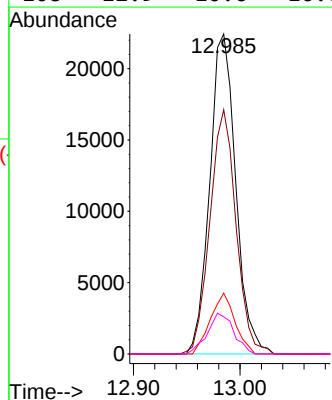
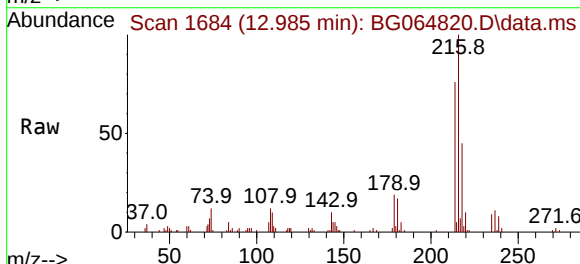
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

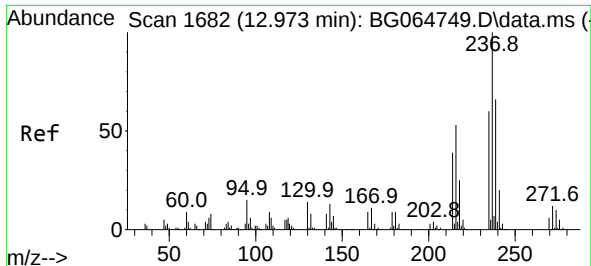
Tgt Ion:164 Resp: 126585
Ion Ratio Lower Upper
164 100
162 103.5 79.8 119.6
160 45.8 34.9 52.3



#40
1,2,4,5-Tetrachlorobenzene
Concen: 7.718 ng
RT: 12.985 min Scan# 1684
Delta R.T. -0.006 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

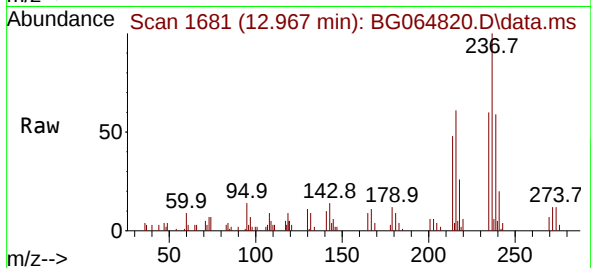
Tgt Ion:216 Resp: 38019
Ion Ratio Lower Upper
216 100
214 76.6 60.5 90.7
179 18.0 14.7 22.1
108 12.9 10.6 16.0



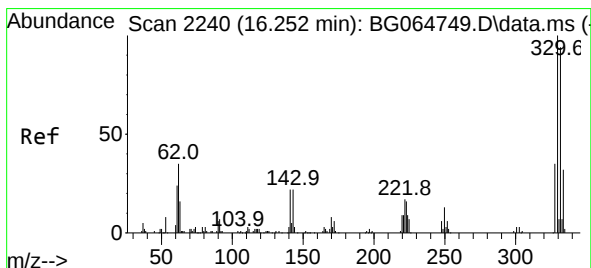
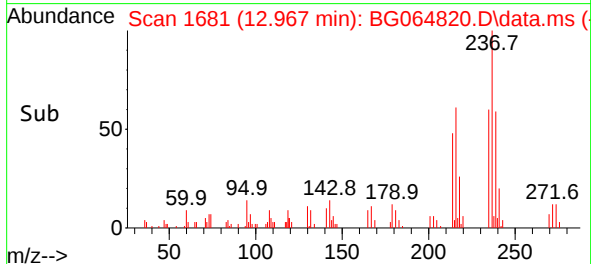
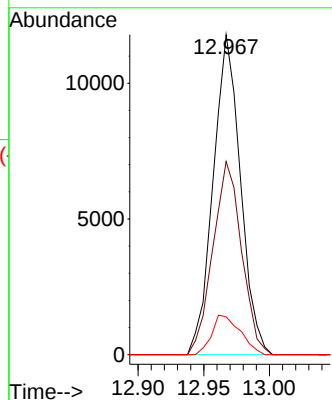


#41
Hexachlorocyclopentadiene
Concen: 4.827 ng
RT: 12.967 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

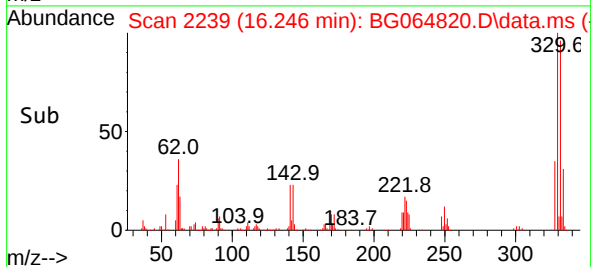
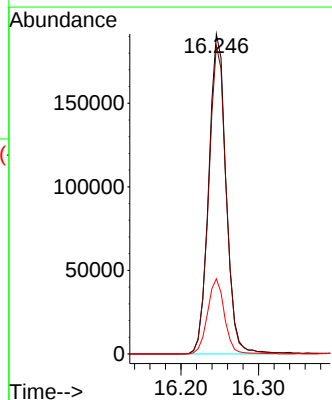
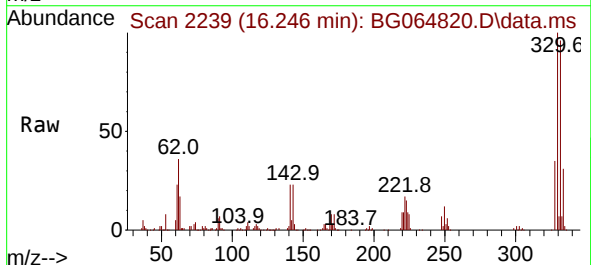


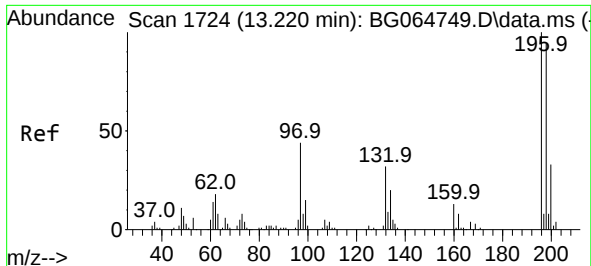
Tgt Ion:237 Resp: 17046
Ion Ratio Lower Upper
237 100
235 60.4 40.2 80.2
272 11.8 0.0 31.9



#42
2,4,6-Tribromophenol
Concen: 120.563 ng
RT: 16.246 min Scan# 2239
Delta R.T. -0.006 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

Tgt Ion:330 Resp: 297645
Ion Ratio Lower Upper
330 100
332 97.0 77.0 115.6
141 22.9 18.2 27.2





#43

2,4,6-Trichlorophenol

Concen: 7.112 ng

RT: 13.220 min Scan# 1

Delta R.T. -0.000 min

Lab File: BG064820.D

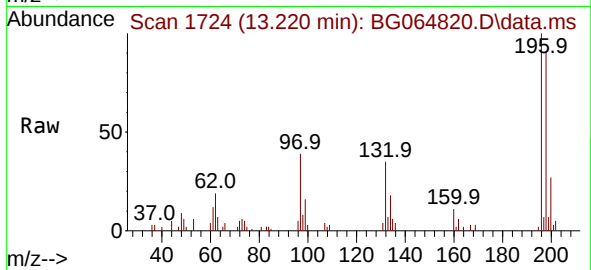
Acq: 19 Nov 2025 18:04

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025



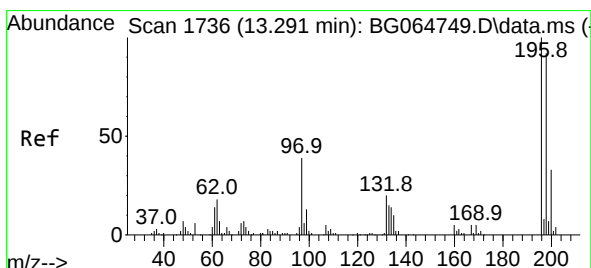
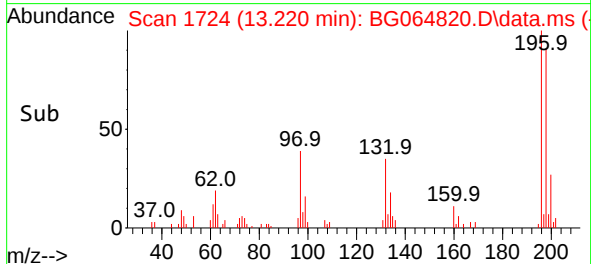
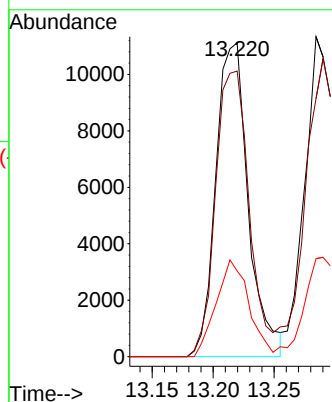
Tgt Ion:196 Resp: 20562

Ion Ratio Lower Upper

196 100

198 91.0 75.3 112.9

200 27.3 26.2 39.2



#44

2,4,5-Trichlorophenol

Concen: 7.340 ng

RT: 13.284 min Scan# 1735

Delta R.T. -0.006 min

Lab File: BG064820.D

Acq: 19 Nov 2025 18:04

Tgt Ion:196 Resp: 23803

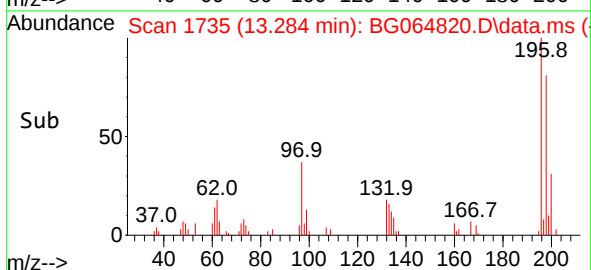
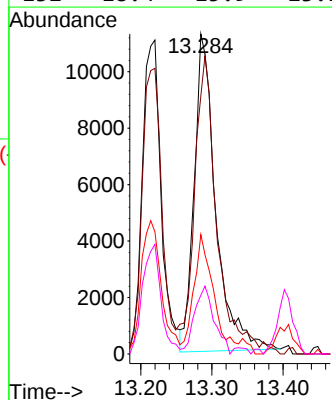
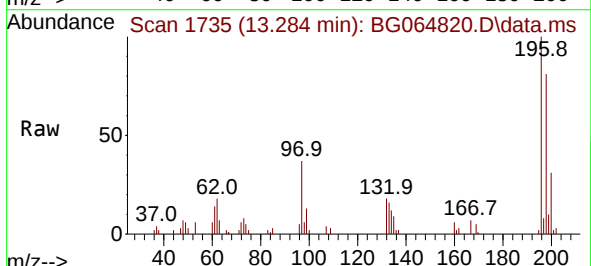
Ion Ratio Lower Upper

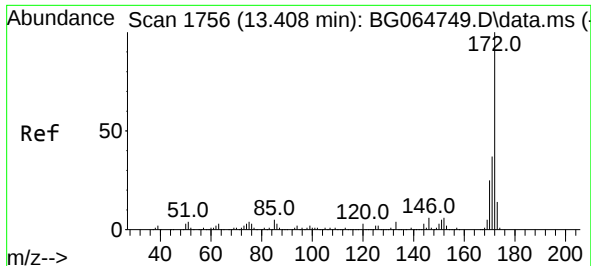
196 100

198 80.7 73.2 109.8

97 37.3 31.4 47.0

132 18.4 15.9 23.9

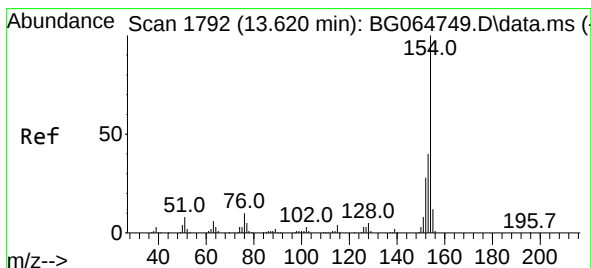
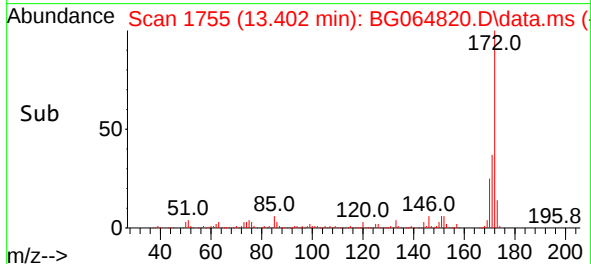
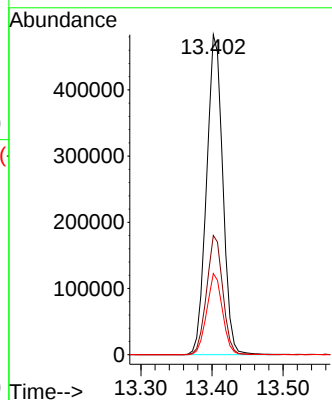
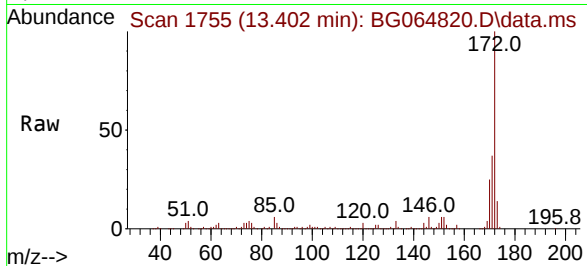




#45
2-Fluorobiphenyl
Concen: 84.734 ng
RT: 13.402 min Scan# 1755
Delta R.T. -0.006 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

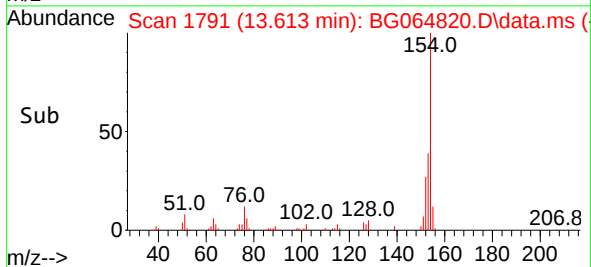
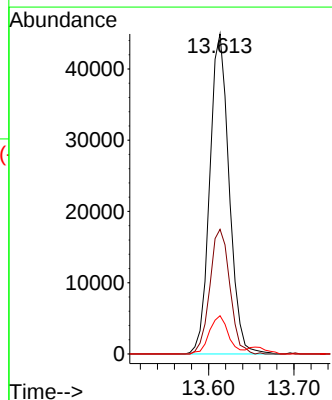
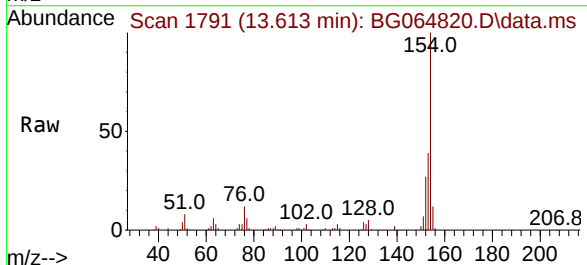
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

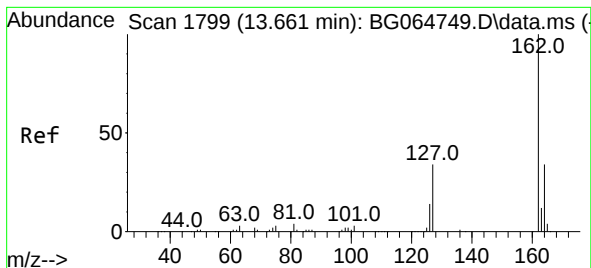
Tgt Ion:172 Resp: 768707
Ion Ratio Lower Upper
172 100
171 37.3 29.9 44.9
170 25.3 19.8 29.6



#46
1,1'-Biphenyl
Concen: 7.806 ng
RT: 13.613 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

Tgt Ion:154 Resp: 70972
Ion Ratio Lower Upper
154 100
153 39.0 19.8 59.8
76 11.9 0.0 30.0

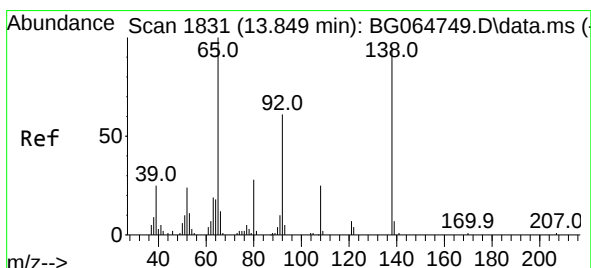
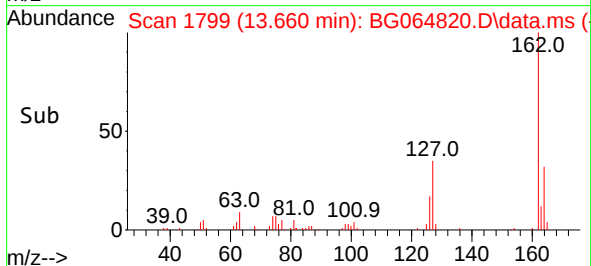
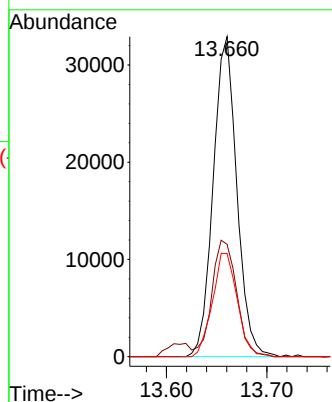
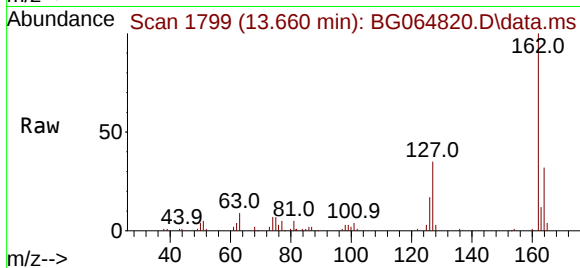




#47
2-Chloronaphthalene
Concen: 7.513 ng
RT: 13.660 min Scan# 1799
Delta R.T. -0.000 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

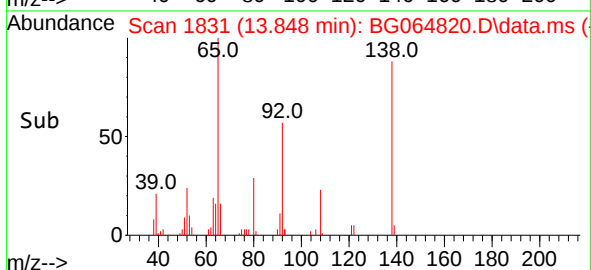
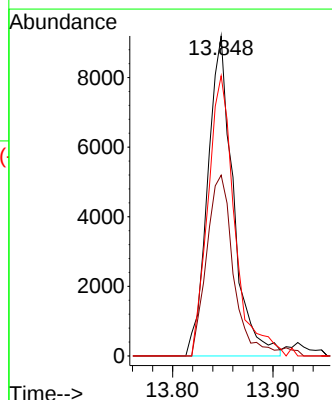
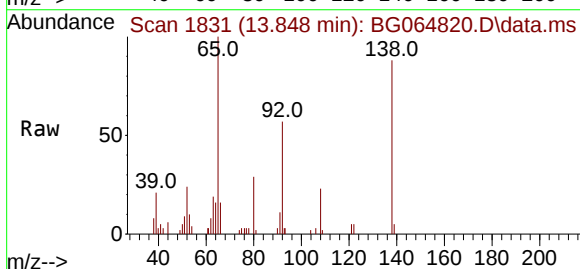
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

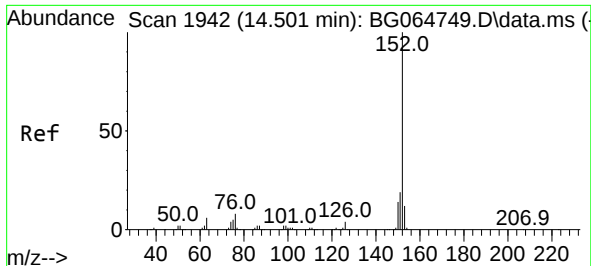
Tgt Ion:	162	Resp:	53811
Ion	Ratio	Lower	Upper
162	100		
127	35.1	30.3	45.5
164	32.3	26.8	40.2



#48
2-Nitroaniline
Concen: 7.058 ng
RT: 13.848 min Scan# 1831
Delta R.T. -0.000 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

Tgt Ion:	65	Resp:	16261
Ion	Ratio	Lower	Upper
65	100		
92	56.5	48.6	73.0
138	87.5	76.4	114.6

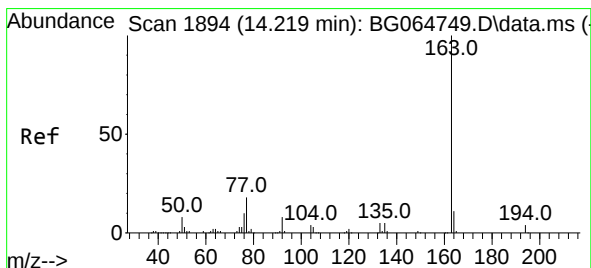
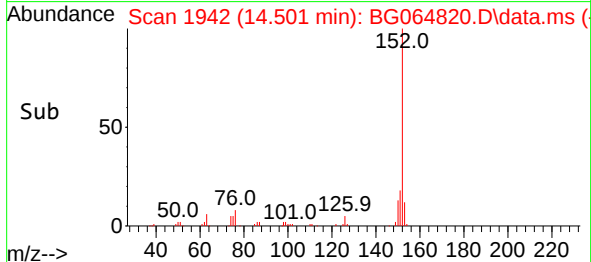
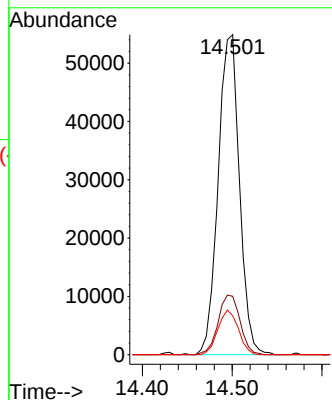
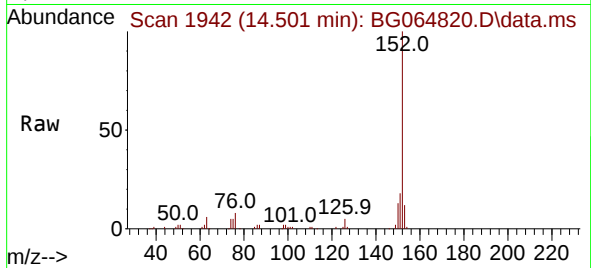




#49
Acenaphthylene
Concen: 7.385 ng
RT: 14.501 min Scan# 1942
Delta R.T. -0.000 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

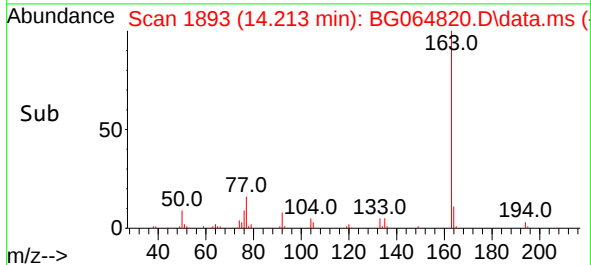
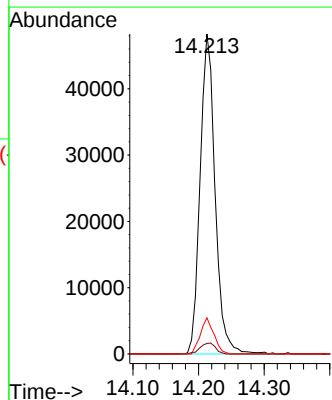
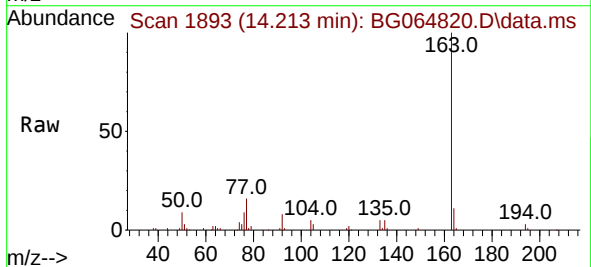
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

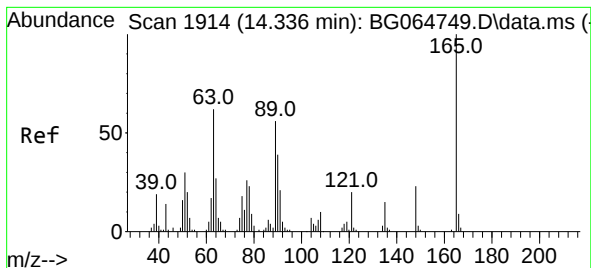
Tgt Ion:152	Resp:	90367
Ion Ratio	Lower	Upper
152	100	
151	18.2	15.0 22.4
153	12.2	9.9 14.9



#50
Dimethylphthalate
Concen: 7.690 ng
RT: 14.213 min Scan# 1893
Delta R.T. -0.006 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

Tgt Ion:163	Resp:	76899
Ion Ratio	Lower	Upper
163	100	
194	3.3	3.1 4.7
164	11.3	8.6 12.8

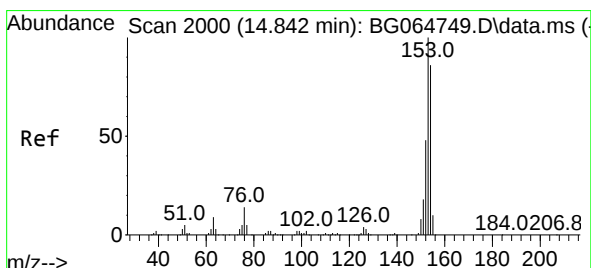
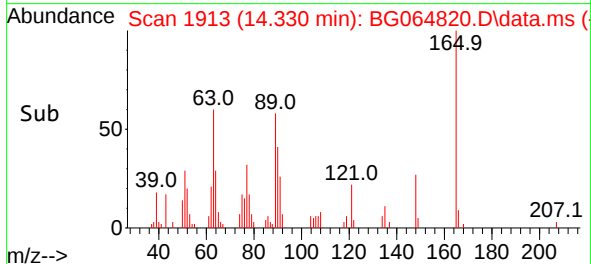
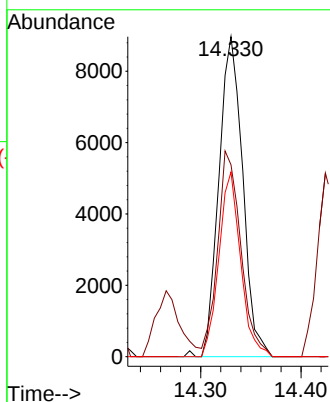
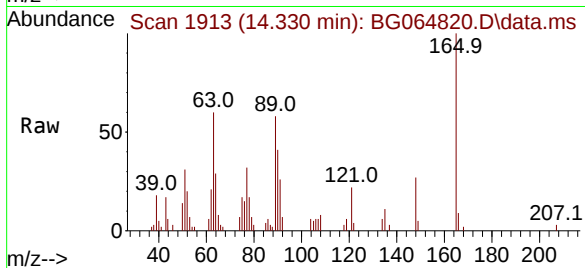




#51
2,6-Dinitrotoluene
Concen: 7.671 ng
RT: 14.330 min Scan# 1914
Delta R.T. -0.006 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

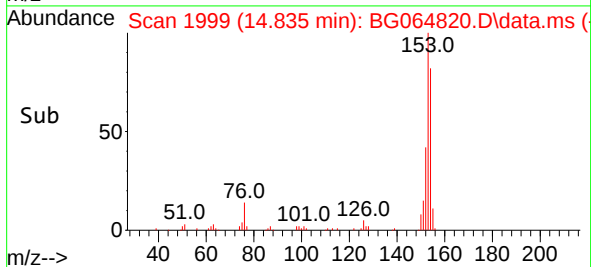
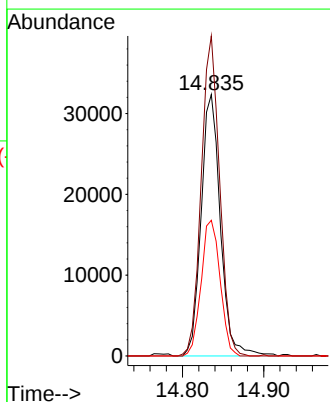
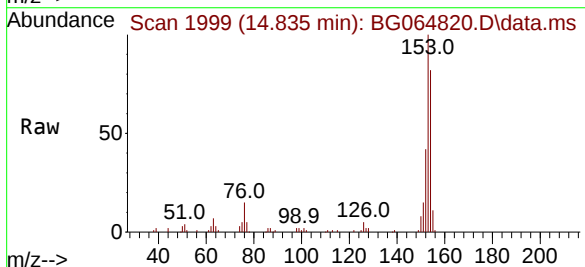
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

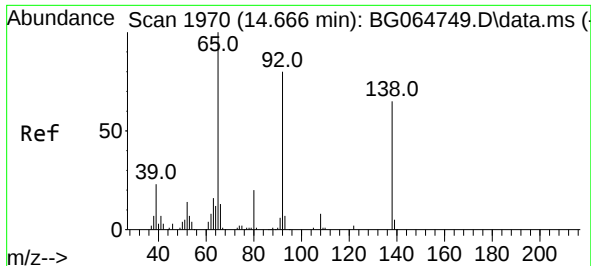
Tgt Ion:165 Resp: 14759
Ion Ratio Lower Upper
165 100
63 60.0 49.8 74.8
89 57.7 45.0 67.4



#52
Acenaphthene
Concen: 7.248 ng
RT: 14.835 min Scan# 1999
Delta R.T. -0.006 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

Tgt Ion:154 Resp: 53179
Ion Ratio Lower Upper
154 100
153 122.4 93.0 139.4
152 51.9 44.4 66.6

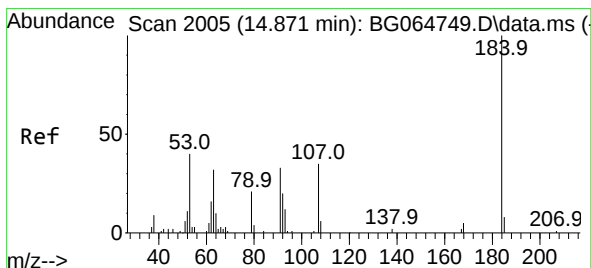
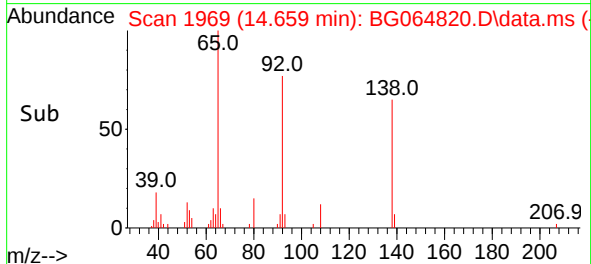
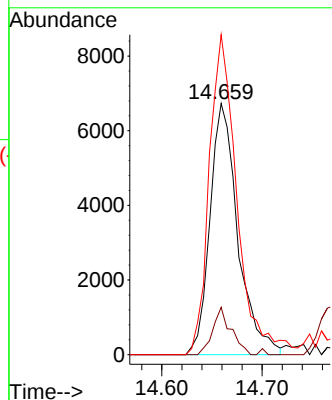
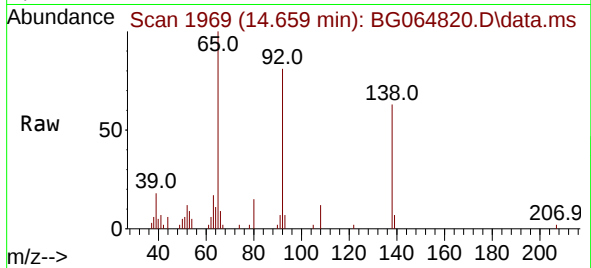




#53
3-Nitroaniline
Concen: 6.853 ng
RT: 14.659 min Scan# 1969
Delta R.T. -0.006 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

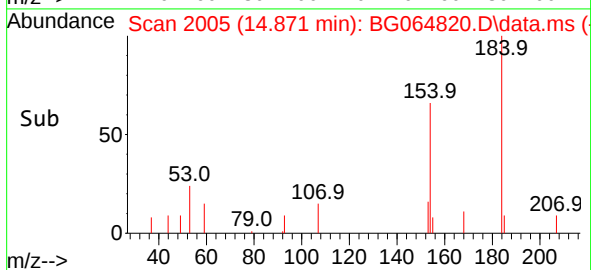
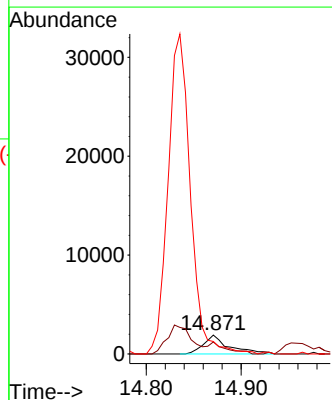
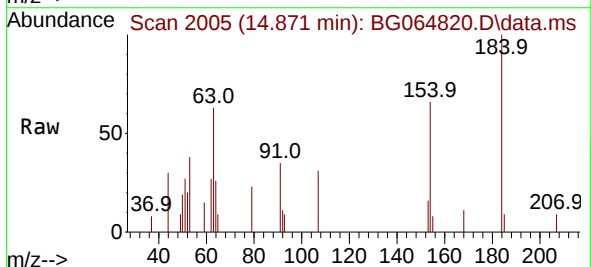
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

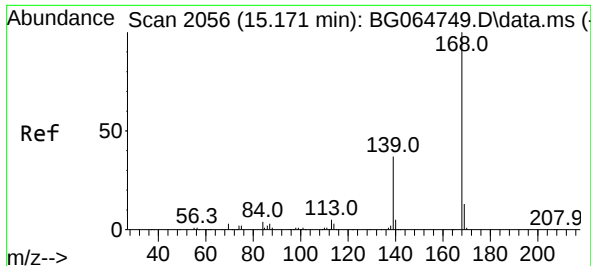
Tgt Ion:138 Resp: 13014
Ion Ratio Lower Upper
138 100
108 18.9 9.5 14.3#
92 127.3 99.0 148.4



#54
2,4-Dinitrophenol
Concen: 3.564 ng
RT: 14.871 min Scan# 2005
Delta R.T. -0.000 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

Tgt Ion:184 Resp: 3575
Ion Ratio Lower Upper
184 100
63 63.4 45.8 68.6
154 65.8 52.6 78.8

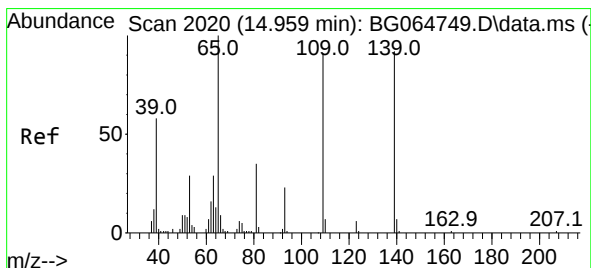
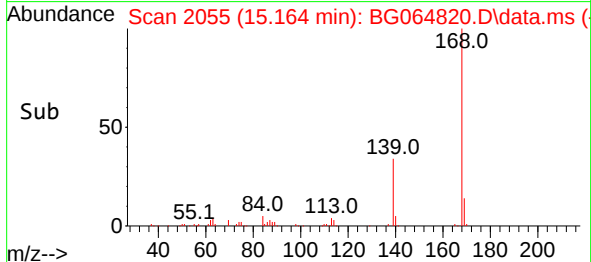
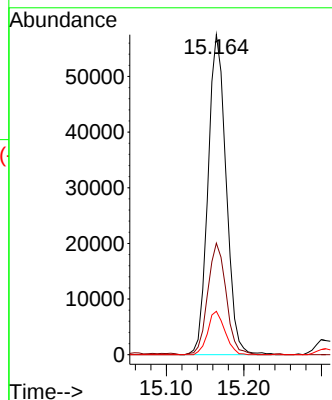
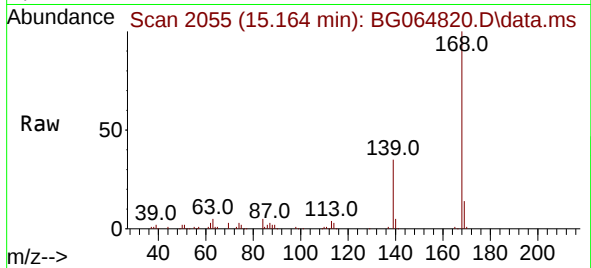




#55
Dibenzofuran
Concen: 7.670 ng
RT: 15.164 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

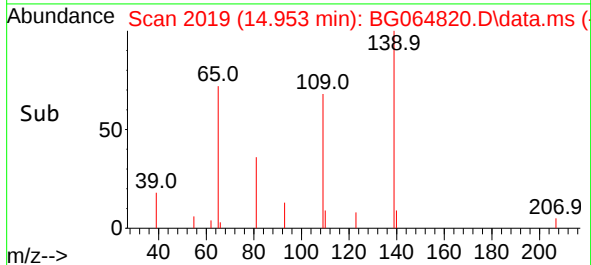
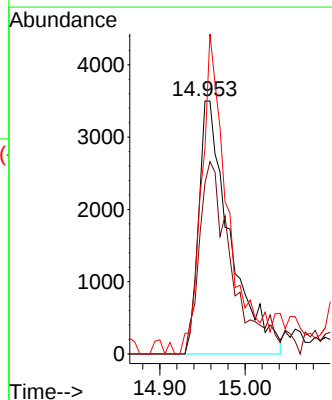
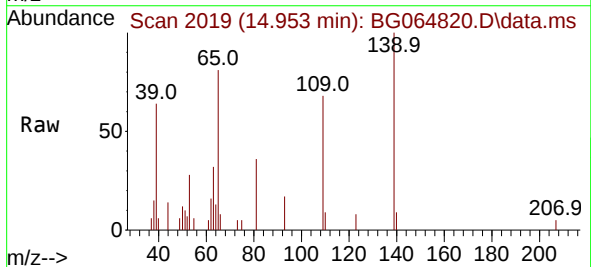
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

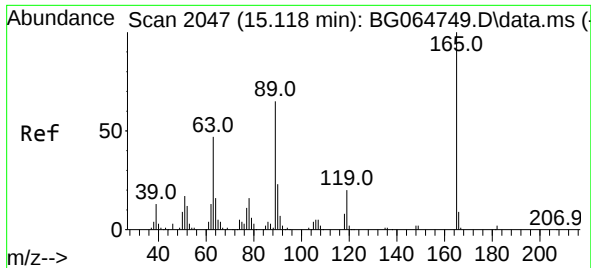
Tgt Ion:168 Resp: 93039
Ion Ratio Lower Upper
168 100
139 34.9 29.5 44.3
169 13.5 10.4 15.6



#56
4-Nitrophenol
Concen: 5.923 ng
RT: 14.953 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

Tgt Ion:139 Resp: 8925
Ion Ratio Lower Upper
139 100
109 67.6 79.7 119.7#
65 81.3 89.9 129.9#

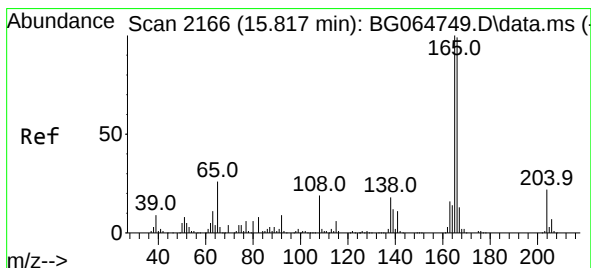
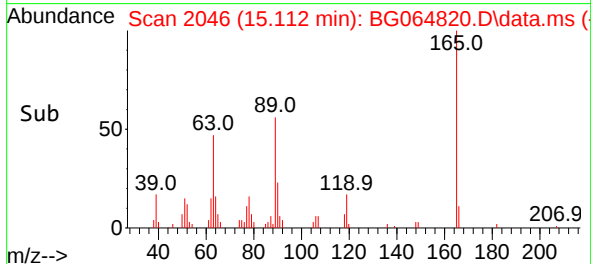
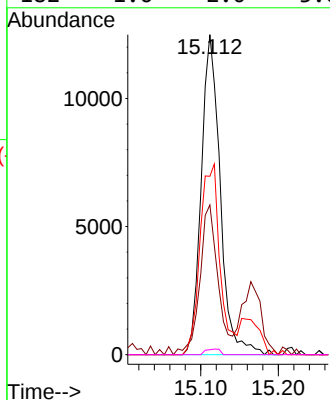
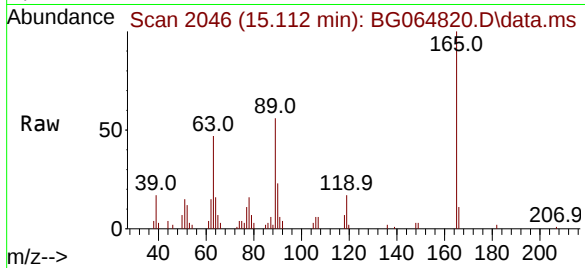




#57
2,4-Dinitrotoluene
Concen: 7.358 ng
RT: 15.112 min Scan# 2046
Delta R.T. -0.006 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

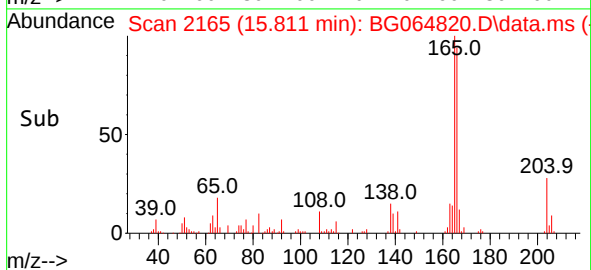
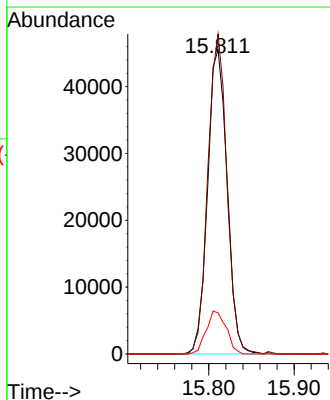
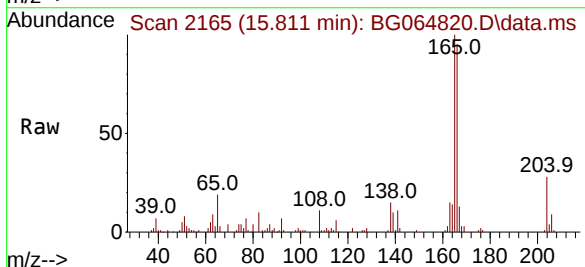
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

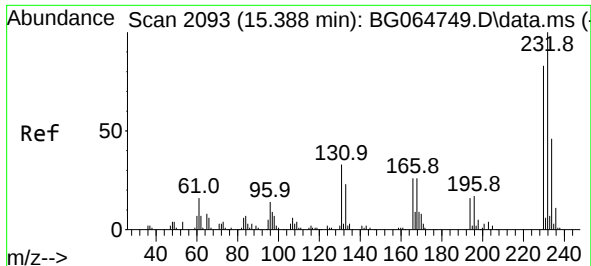
Tgt Ion:165 Resp: 21226
Ion Ratio Lower Upper
165 100
63 46.8 37.8 56.6
89 55.7 51.6 77.4
182 1.6 2.0 3.0#



#58
Fluorene
Concen: 7.630 ng
RT: 15.811 min Scan# 2165
Delta R.T. -0.006 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

Tgt Ion:166 Resp: 72589
Ion Ratio Lower Upper
166 100
165 105.1 80.5 120.7
167 13.5 10.3 15.5

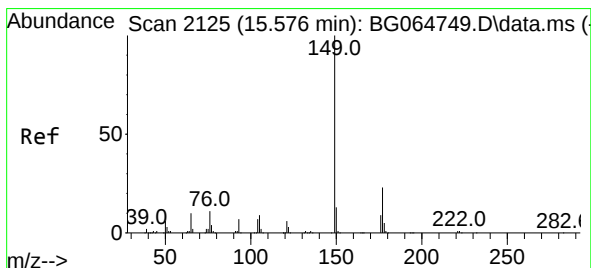
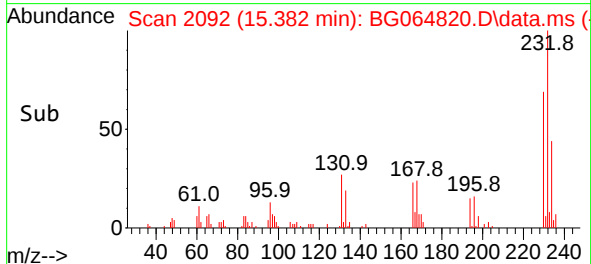
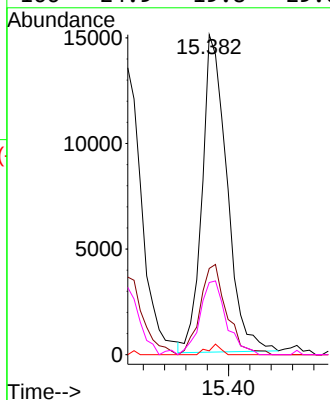
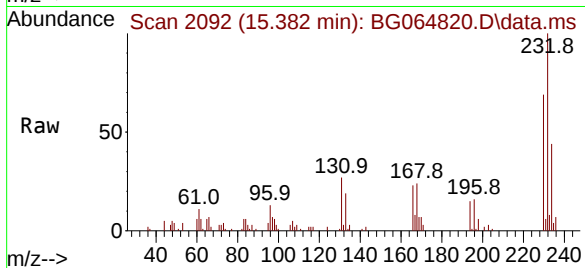




#59
2,3,4,6-Tetrachlorophenol
Concen: 7.616 ng
RT: 15.382 min Scan# 2093
Delta R.T. -0.006 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

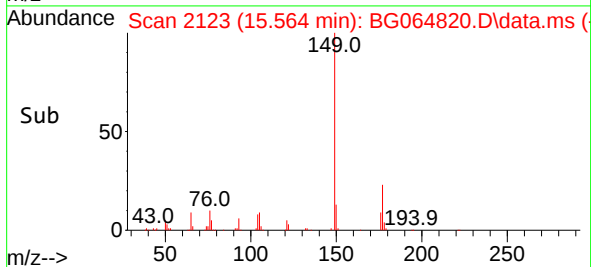
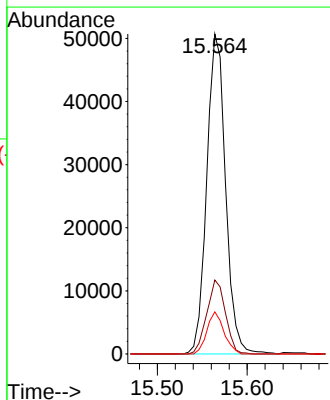
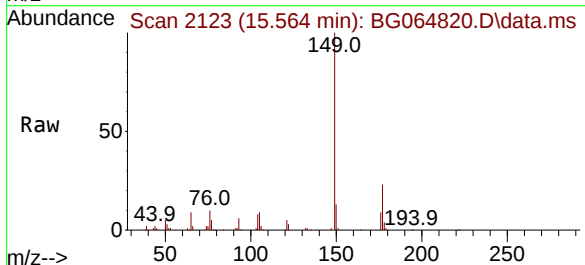
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

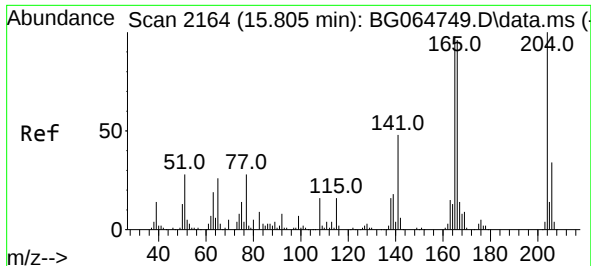
Tgt Ion:232 Resp: 24368
Ion Ratio Lower Upper
232 100
131 30.2 26.0 39.0
130 1.7 1.6 2.4
166 24.9 19.8 29.6



#60
Diethylphthalate
Concen: 7.695 ng
RT: 15.564 min Scan# 2123
Delta R.T. -0.012 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

Tgt Ion:149 Resp: 73715
Ion Ratio Lower Upper
149 100
177 23.1 18.4 27.6
150 13.2 10.1 15.1

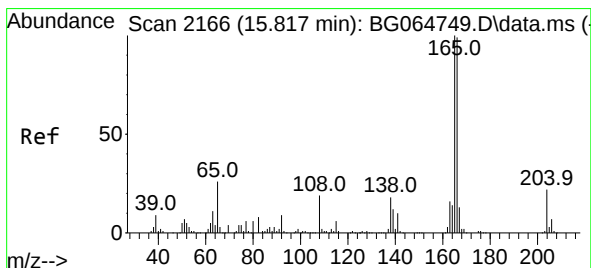
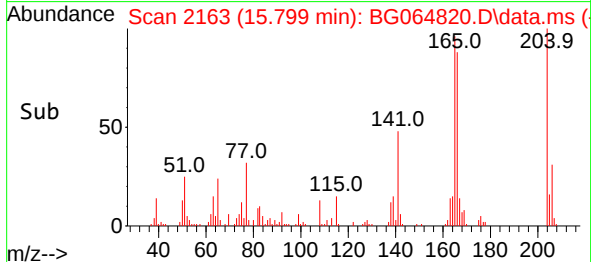
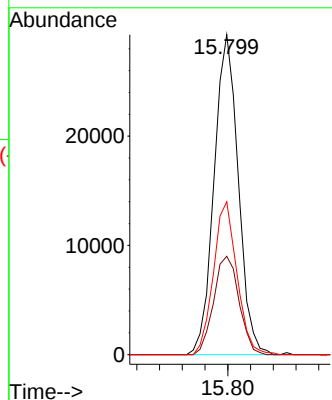
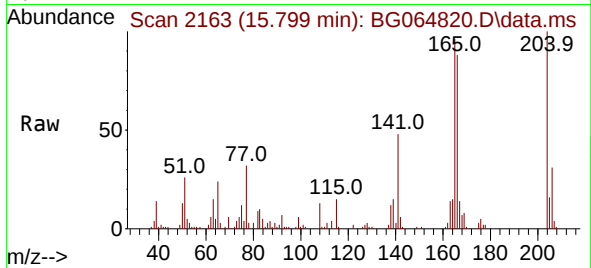




#61
4-Chlorophenyl-phenylether
Concen: 7.569 ng
RT: 15.799 min Scan# 2163
Delta R.T. -0.006 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

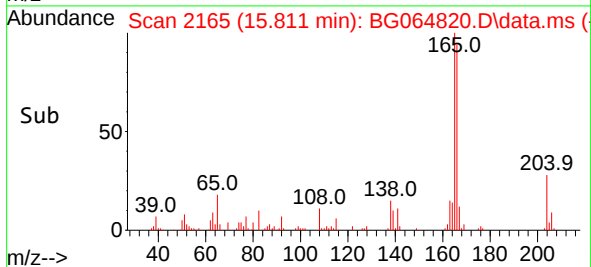
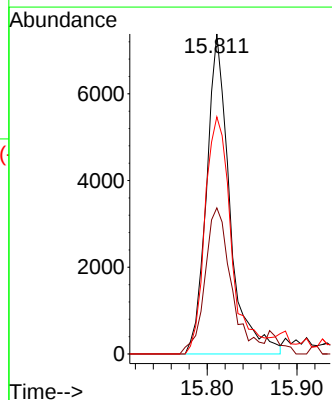
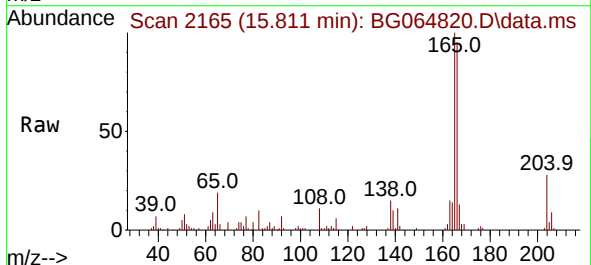
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

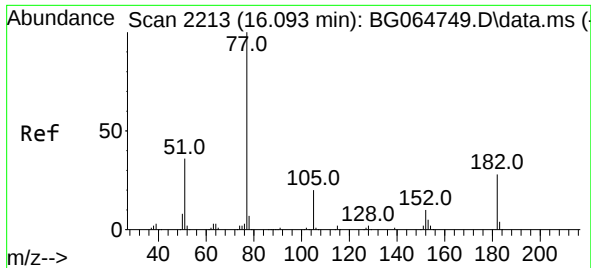
Tgt Ion:204 Resp: 43213
Ion Ratio Lower Upper
204 100
206 30.7 26.9 40.3
141 47.8 38.1 57.1



#62
4-Nitroaniline
Concen: 6.744 ng
RT: 15.811 min Scan# 2165
Delta R.T. -0.006 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

Tgt Ion:138 Resp: 13268
Ion Ratio Lower Upper
138 100
92 45.6 30.7 70.7
108 74.1 85.7 125.7#

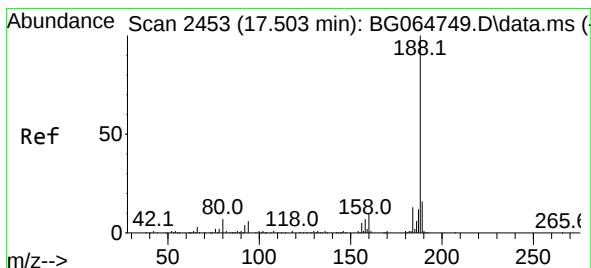
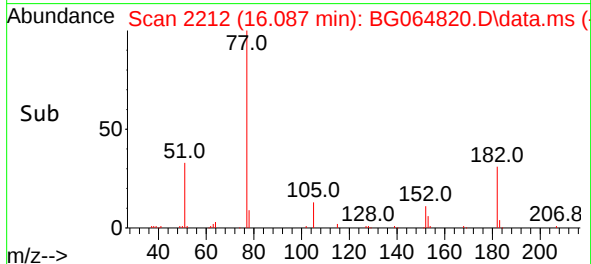
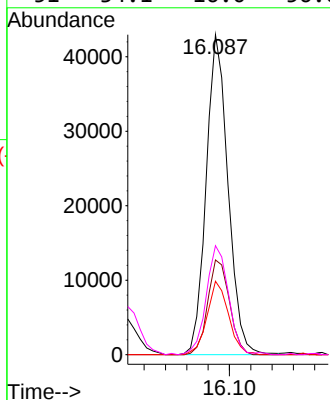
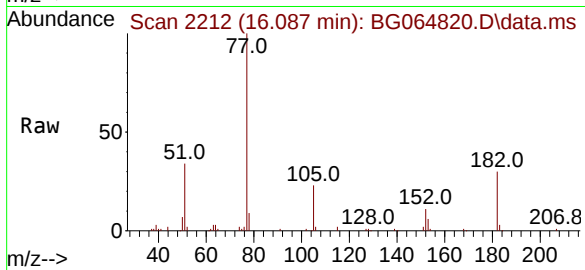




#63
Azobenzene
Concen: 7.708 ng
RT: 16.087 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

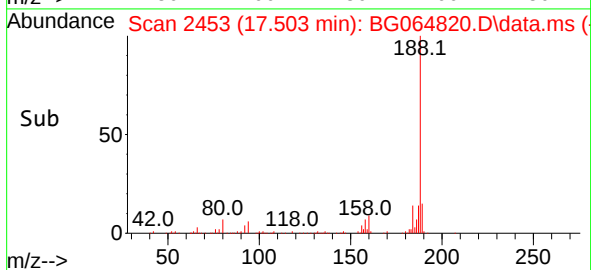
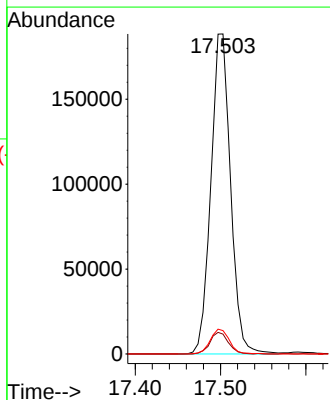
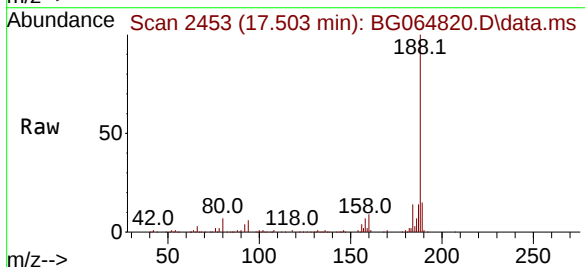
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

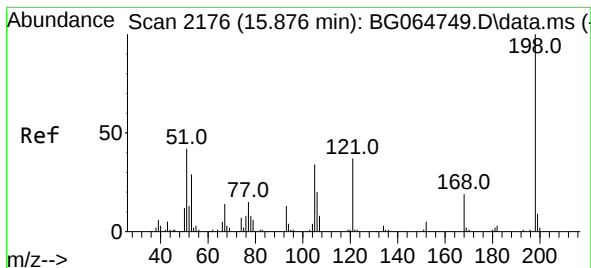
Tgt Ion: 77	Resp: 61411
Ion Ratio	Lower Upper
77 100	
182 29.6	8.1 48.1
105 23.0	0.1 40.1
51 34.1	16.0 56.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.503 min Scan# 2453
Delta R.T. -0.000 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

Tgt Ion:188	Resp: 302163
Ion Ratio	Lower Upper
188 100	
94 6.2	4.7 7.1
80 7.3	5.4 8.2

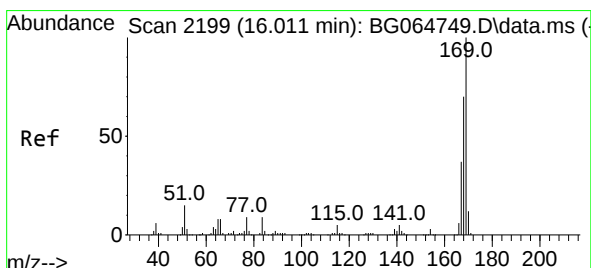
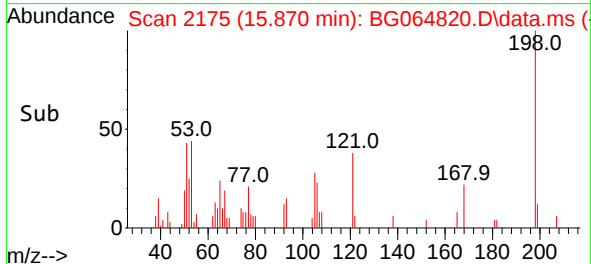
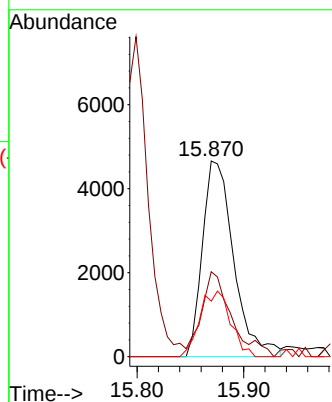
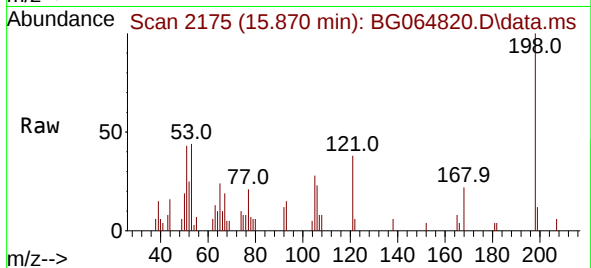




#65
4,6-Dinitro-2-methylphenol
Concen: 5.661 ng
RT: 15.870 min Scan# 2176
Delta R.T. -0.006 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

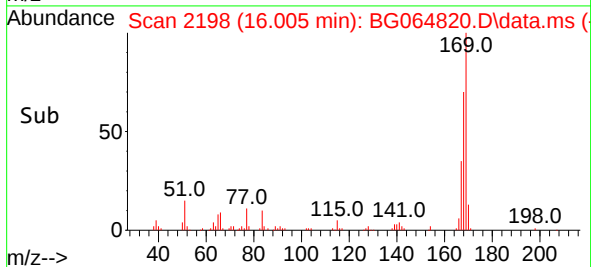
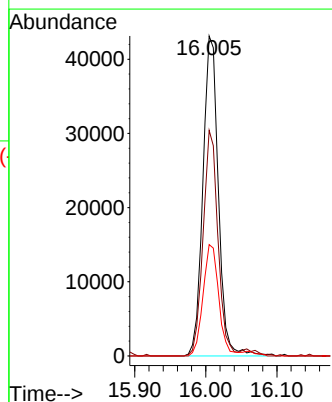
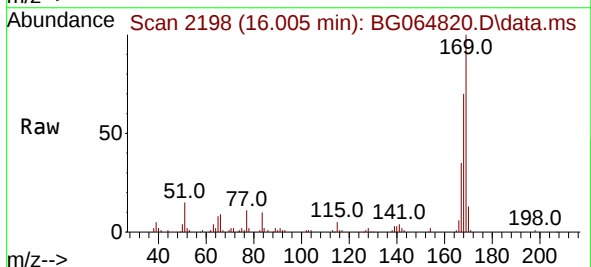
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

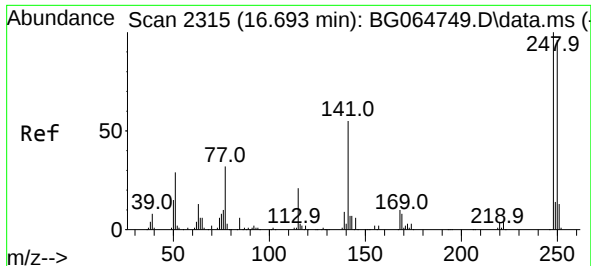
Tgt Ion:198 Resp: 9497
Ion Ratio Lower Upper
198 100
51 43.4 25.2 65.2
105 28.4 14.2 54.2



#66
n-Nitrosodiphenylamine
Concen: 8.273 ng
RT: 16.005 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

Tgt Ion:169 Resp: 65474
Ion Ratio Lower Upper
169 100
168 70.5 55.9 83.9
167 34.8 29.8 44.6

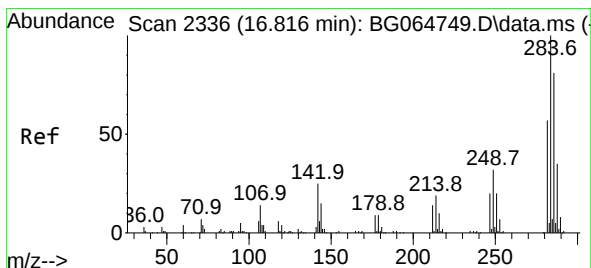
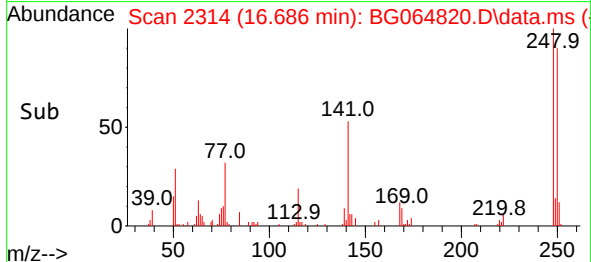
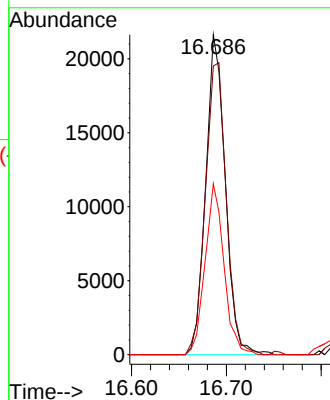
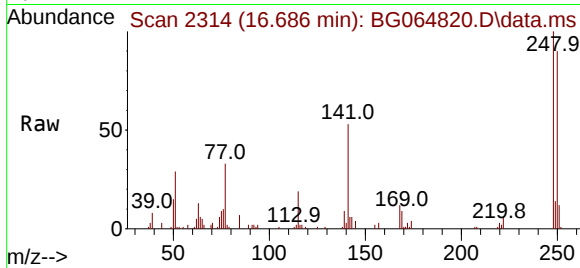




#67
4-Bromophenyl-phenylether
Concen: 7.795 ng
RT: 16.686 min Scan# 211
Delta R.T. -0.006 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

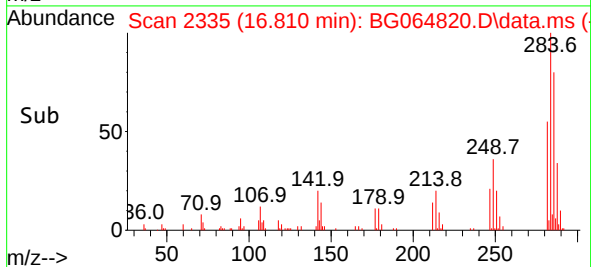
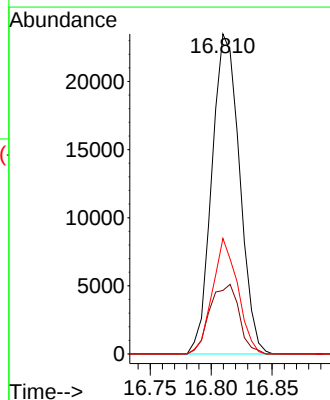
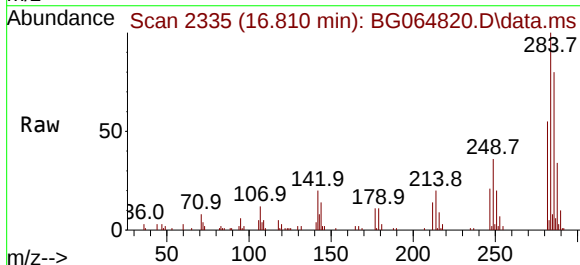
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

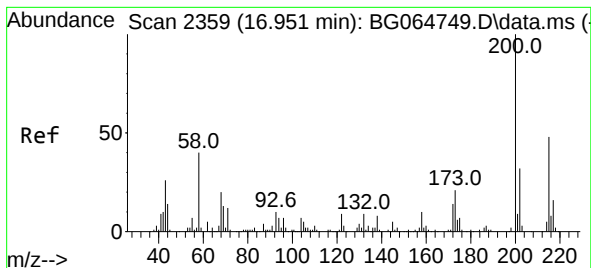
Tgt Ion:248 Resp: 30931
Ion Ratio Lower Upper
248 100
250 90.2 77.0 115.6
141 53.4 43.7 65.5



#68
Hexachlorobenzene
Concen: 7.725 ng
RT: 16.810 min Scan# 2335
Delta R.T. -0.006 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

Tgt Ion:284 Resp: 37137
Ion Ratio Lower Upper
284 100
142 19.9 19.7 29.5
249 39.0 28.1 42.1





#69

Atrazine

Concen: 7.636 ng

RT: 16.939 min Scan# 21

Delta R.T. -0.012 min

Lab File: BG064820.D

Acq: 19 Nov 2025 18:04

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

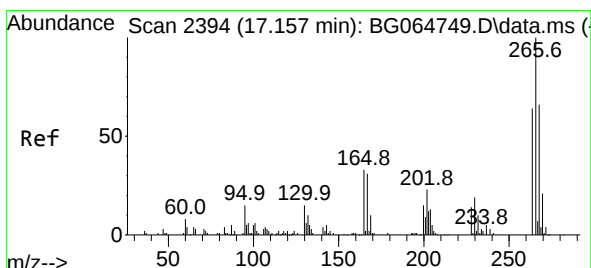
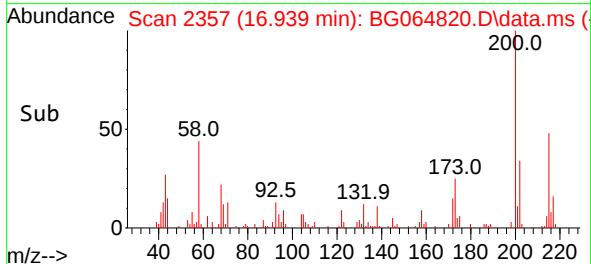
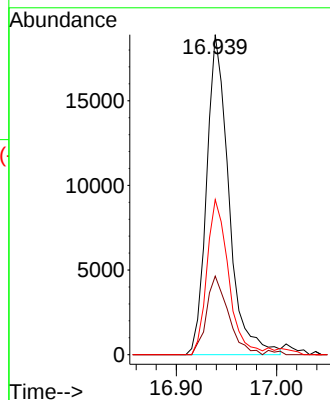
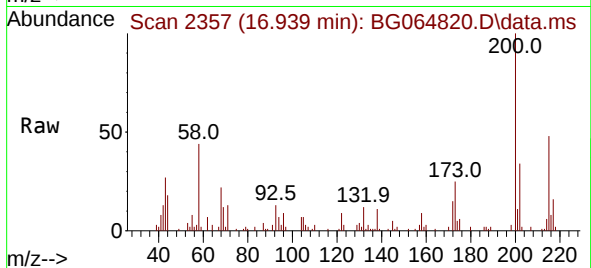
Tgt Ion:200 Resp: 29139

Ion Ratio Lower Upper

200 100

173 24.6 0.9 40.9

215 48.4 27.5 67.5



#70

Pentachlorophenol

Concen: 5.905 ng

RT: 17.150 min Scan# 2393

Delta R.T. -0.007 min

Lab File: BG064820.D

Acq: 19 Nov 2025 18:04

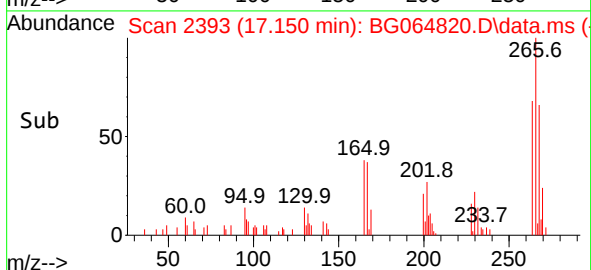
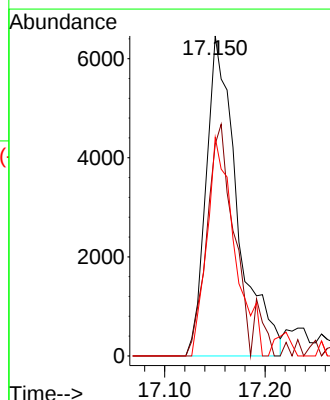
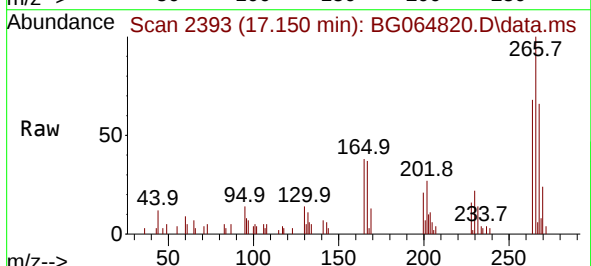
Tgt Ion:266 Resp: 14021

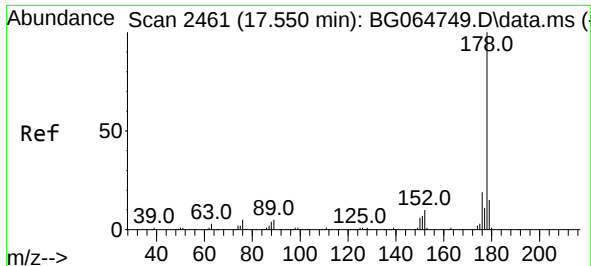
Ion Ratio Lower Upper

266 100

268 66.2 56.1 84.1

264 68.3 51.2 76.8

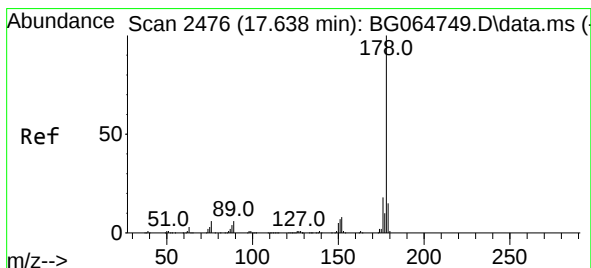
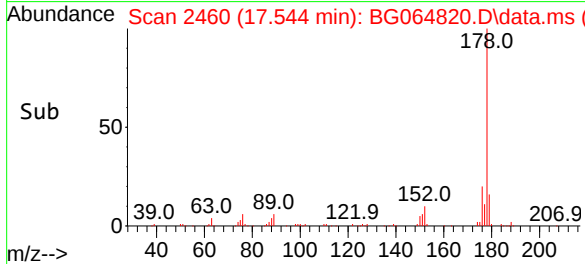
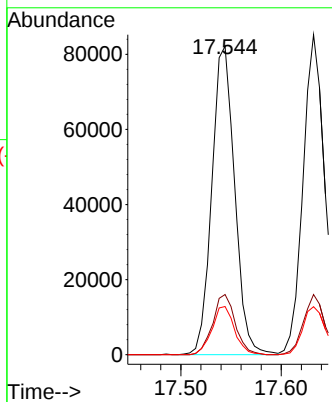
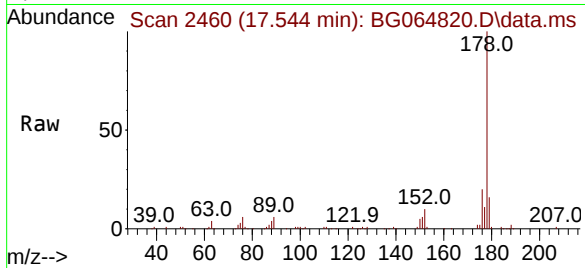




#71
Phenanthrene
Concen: 7.863 ng
RT: 17.544 min Scan# 2460
Delta R.T. -0.006 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

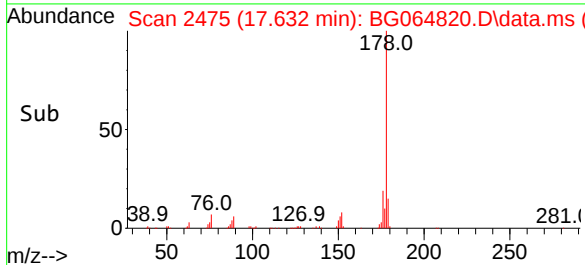
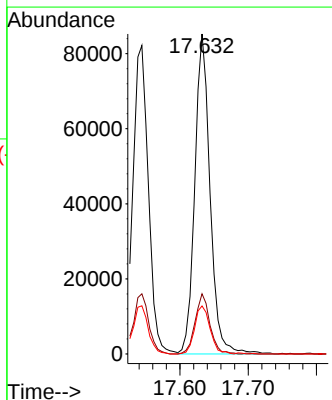
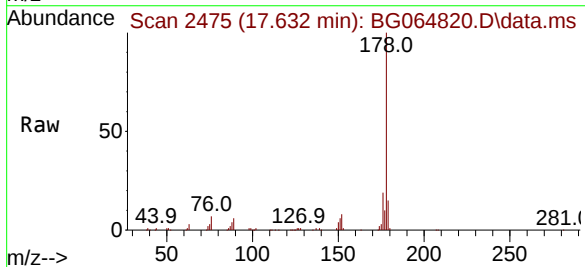
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

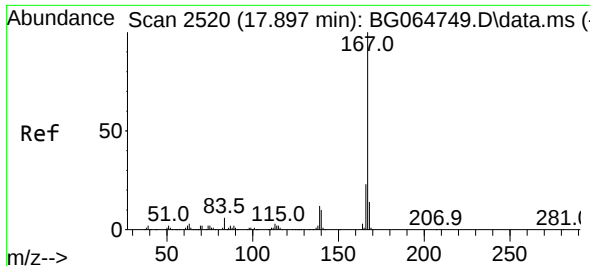
Tgt Ion:178 Resp: 129989
Ion Ratio Lower Upper
178 100
176 19.5 14.8 22.2
179 15.6 12.2 18.4



#72
Anthracene
Concen: 7.870 ng
RT: 17.632 min Scan# 2475
Delta R.T. -0.006 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

Tgt Ion:178 Resp: 132674
Ion Ratio Lower Upper
178 100
176 18.8 14.5 21.7
179 15.0 12.2 18.4

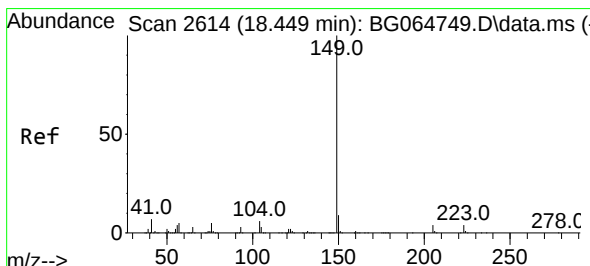
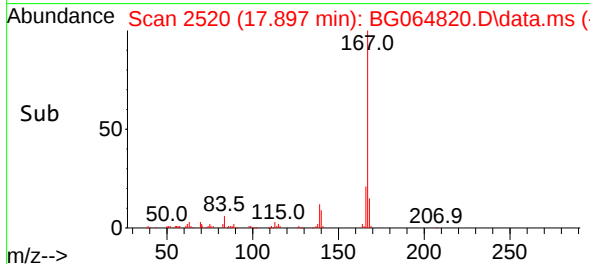
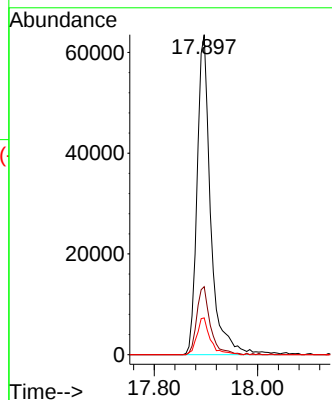
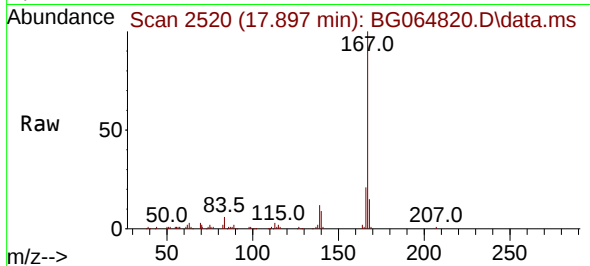




#73
 Carbazole
 Concen: 7.991 ng
 RT: 17.897 min Scan# 2520
 Delta R.T. -0.000 min
 Lab File: BG064820.D
 Acq: 19 Nov 2025 18:04

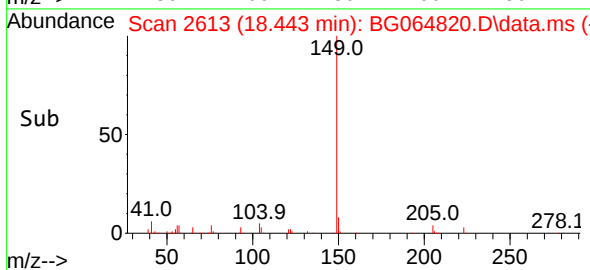
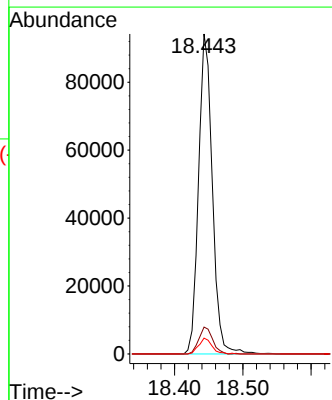
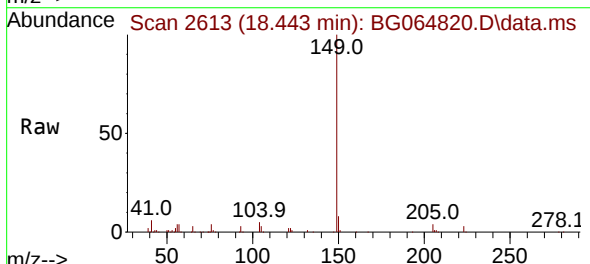
Instrument : BNA_G
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

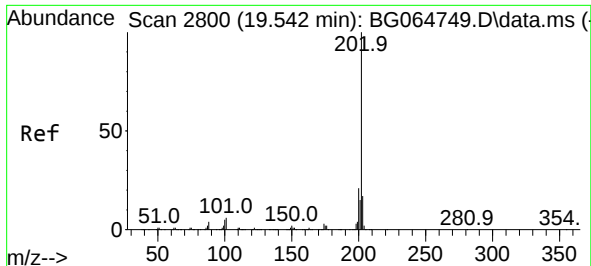
Tgt Ion:167 Resp: 115799
 Ion Ratio Lower Upper
 167 100
 166 21.2 18.0 27.0
 139 11.5 9.7 14.5



#74
 Di-n-butylphthalate
 Concen: 8.182 ng
 RT: 18.443 min Scan# 2613
 Delta R.T. -0.006 min
 Lab File: BG064820.D
 Acq: 19 Nov 2025 18:04

Tgt Ion:149 Resp: 132289
 Ion Ratio Lower Upper
 149 100
 150 8.4 7.5 11.3
 104 4.9 4.4 6.6

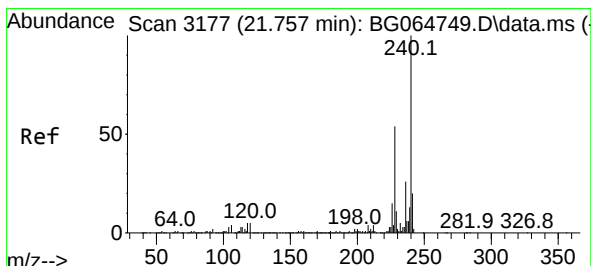
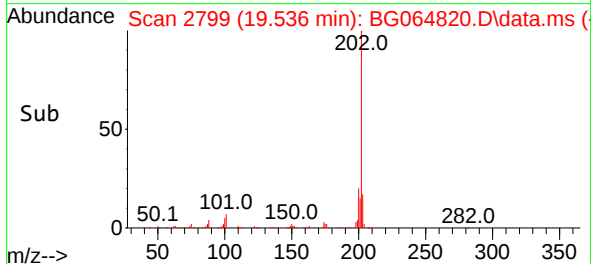
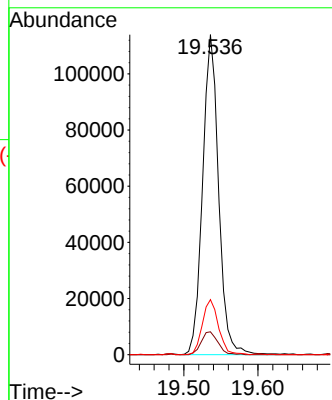
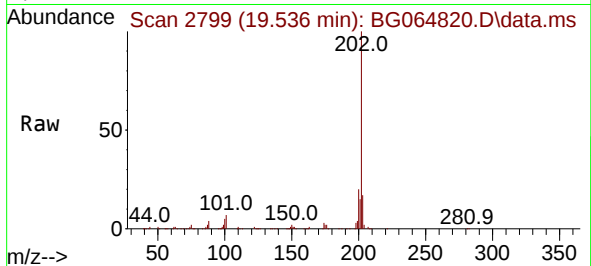




#75
Fluoranthene
Concen: 7.557 ng
RT: 19.536 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

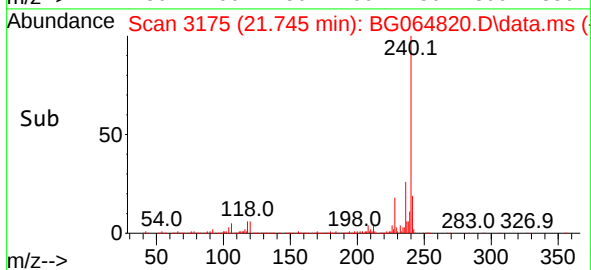
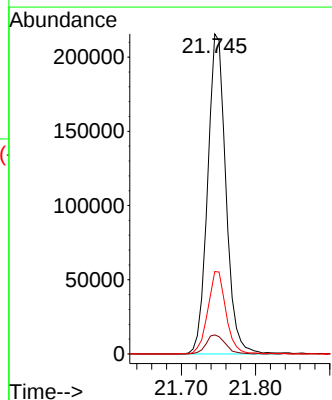
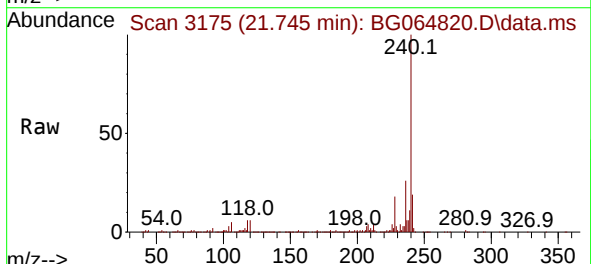
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

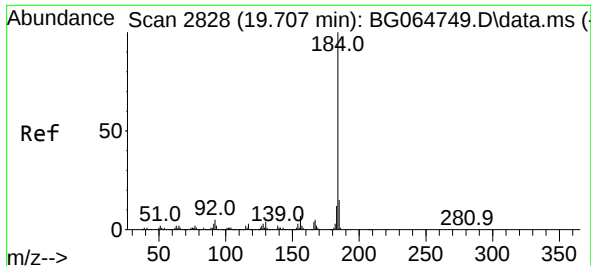
Tgt Ion:202 Resp: 170850
Ion Ratio Lower Upper
202 100
101 7.1 0.0 26.4
203 17.2 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.745 min Scan# 3175
Delta R.T. -0.012 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

Tgt Ion:240 Resp: 368206
Ion Ratio Lower Upper
240 100
120 5.9 4.2 6.4
236 25.7 20.8 31.2

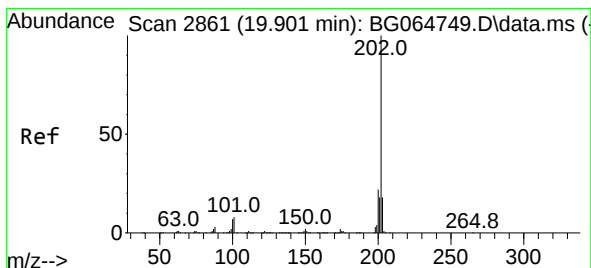
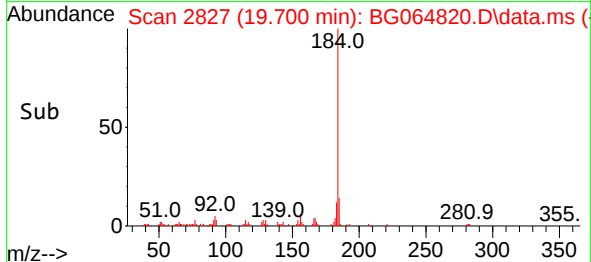
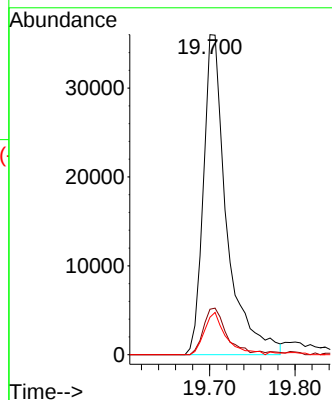
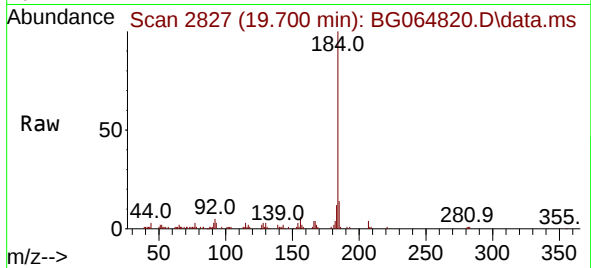




#77
Benzidine
Concen: 6.196 ng
RT: 19.700 min Scan# 2828
Delta R.T. -0.006 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

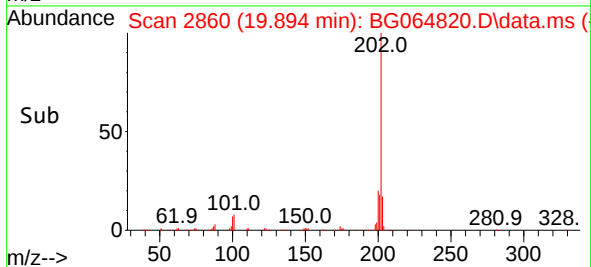
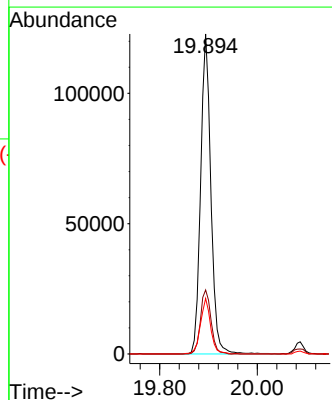
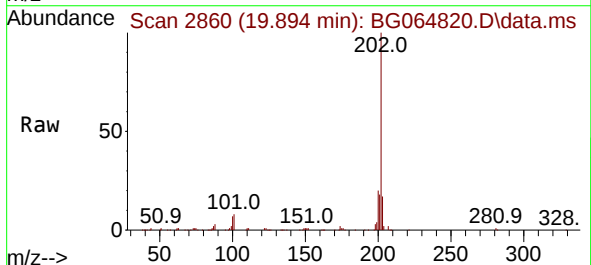
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

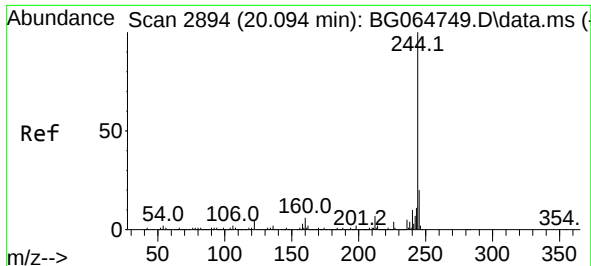
Tgt Ion:184 Resp: 68328
Ion Ratio Lower Upper
184 100
185 14.2 11.8 17.6
183 11.7 9.8 14.6



#78
Pyrene
Concen: 8.684 ng
RT: 19.894 min Scan# 2860
Delta R.T. -0.006 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

Tgt Ion:202 Resp: 179200
Ion Ratio Lower Upper
202 100
200 20.0 17.9 26.9
203 17.4 14.0 21.0

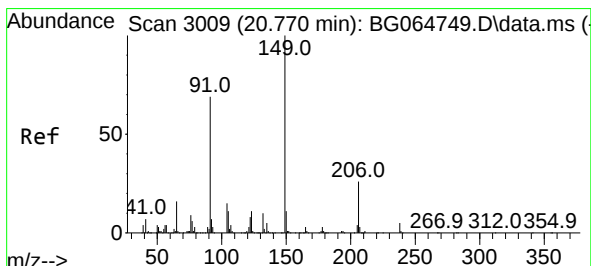
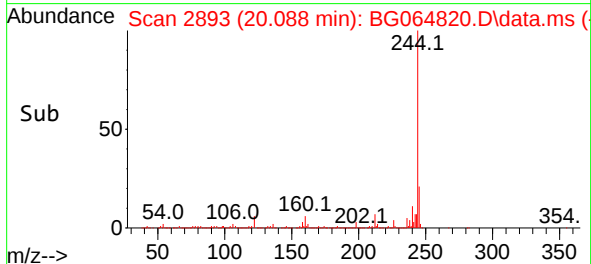
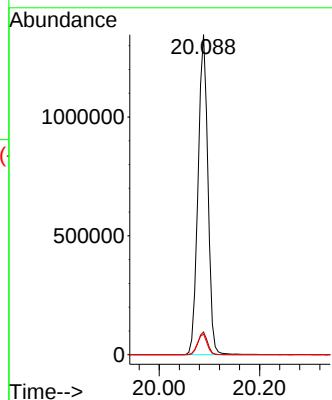
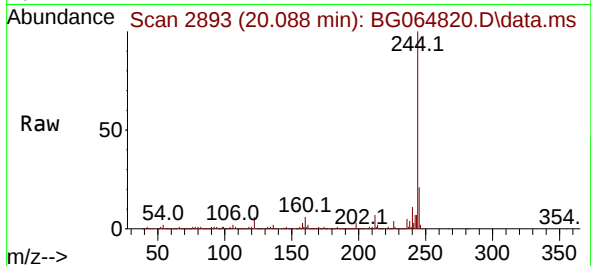




#79
 Terphenyl-d14
 Concen: 97.493 ng
 RT: 20.088 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG064820.D
 Acq: 19 Nov 2025 18:04

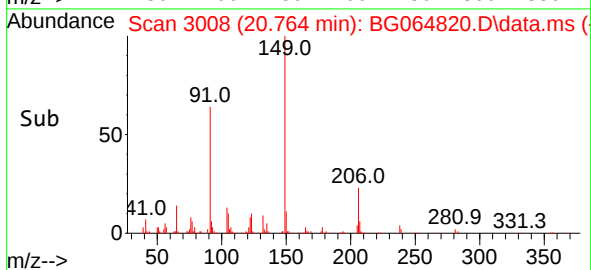
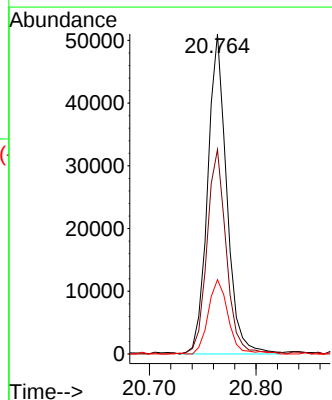
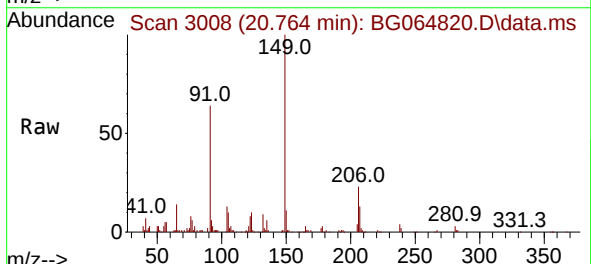
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2025

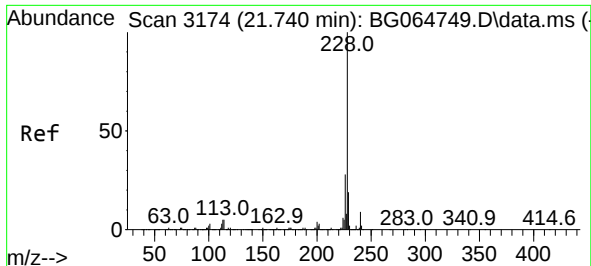
Tgt Ion:244 Resp: 1824910
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.6
 122 6.4 4.3 6.5



#80
 Butylbenzylphthalate
 Concen: 8.741 ng
 RT: 20.764 min Scan# 3008
 Delta R.T. -0.006 min
 Lab File: BG064820.D
 Acq: 19 Nov 2025 18:04

Tgt Ion:149 Resp: 63446
 Ion Ratio Lower Upper
 149 100
 91 63.9 54.9 82.3
 206 23.2 21.2 31.8

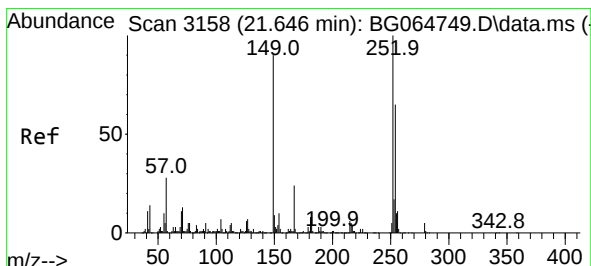
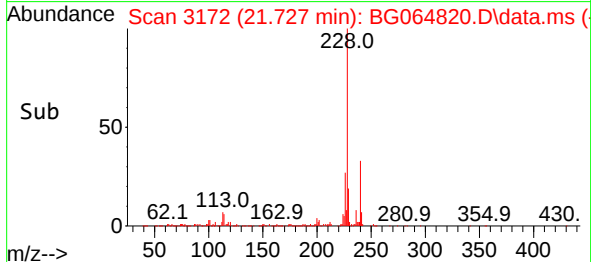
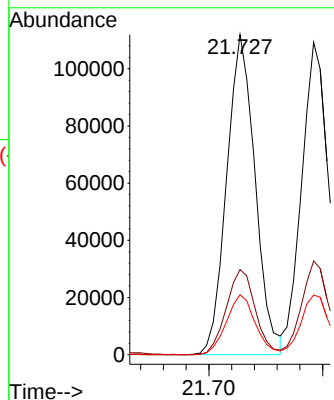
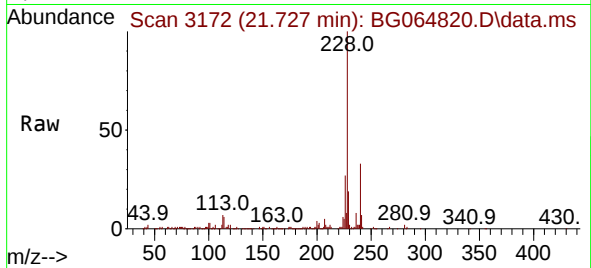




#81
Benzo(a)anthracene
Concen: 7.763 ng
RT: 21.727 min Scan# 3172
Delta R.T. -0.012 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

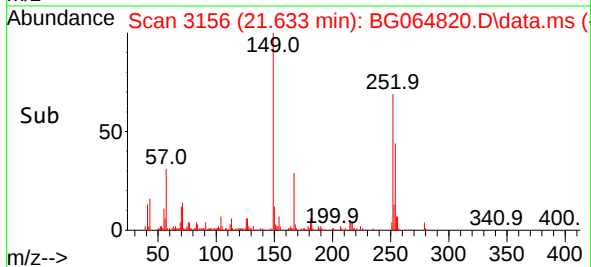
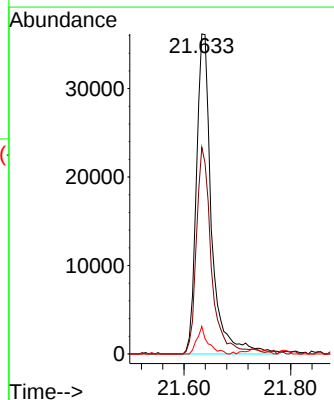
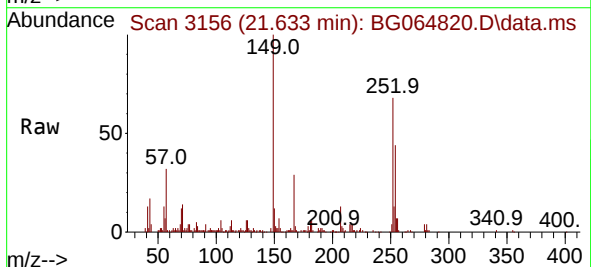
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

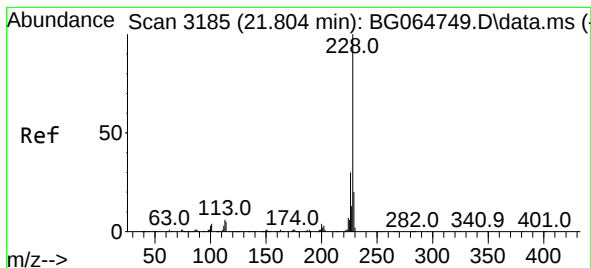
Tgt Ion:228 Resp: 194349
Ion Ratio Lower Upper
228 100
226 26.6 22.1 33.1
229 18.7 15.5 23.3



#82
3,3'-Dichlorobenzidine
Concen: 7.770 ng
RT: 21.633 min Scan# 3156
Delta R.T. -0.012 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

Tgt Ion:252 Resp: 71602
Ion Ratio Lower Upper
252 100
254 64.6 51.8 77.8
126 8.6 4.7 7.1#





#83

Chrysene

Concen: 7.810 ng

RT: 21.792 min Scan# 3183

Delta R.T. -0.012 min

Lab File: BG064820.D

Acq: 19 Nov 2025 18:04

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

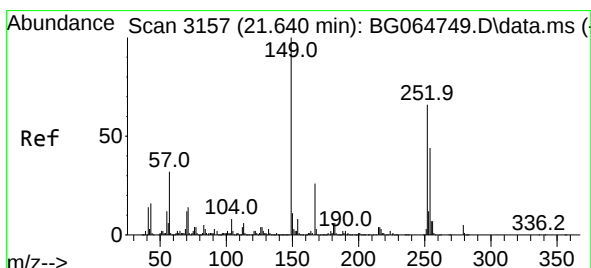
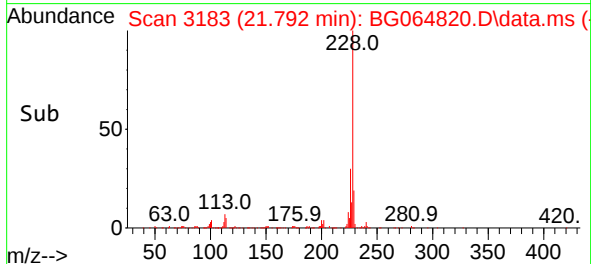
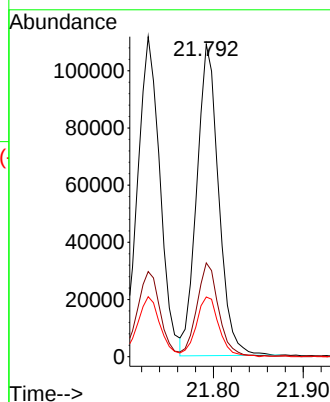
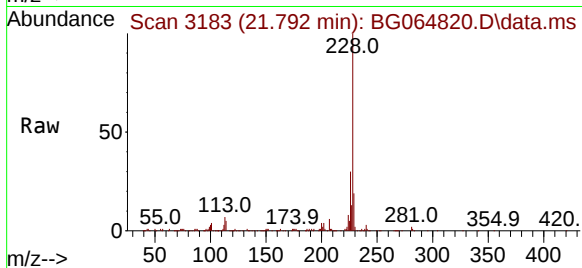
Tgt Ion:228 Resp: 184358

Ion Ratio Lower Upper

228 100

226 30.0 24.2 36.2

229 19.1 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.817 ng

RT: 21.627 min Scan# 3155

Delta R.T. -0.012 min

Lab File: BG064820.D

Acq: 19 Nov 2025 18:04

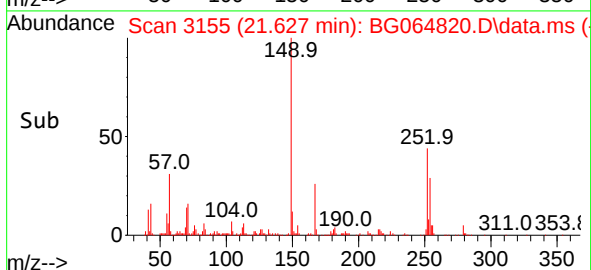
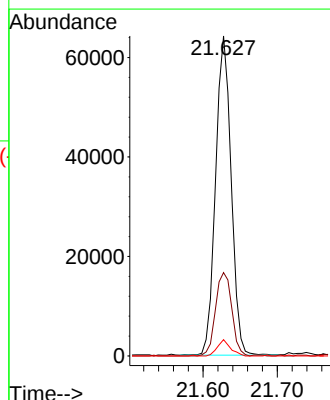
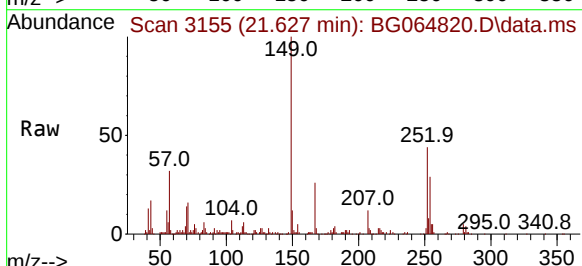
Tgt Ion:149 Resp: 93515

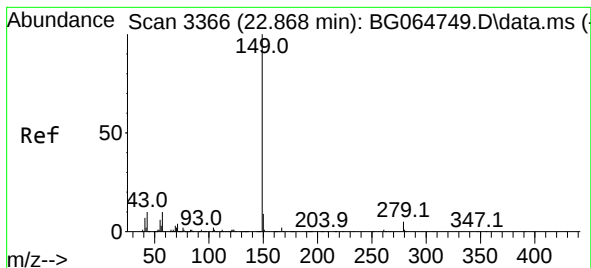
Ion Ratio Lower Upper

149 100

167 26.1 21.0 31.4

279 5.1 4.1 6.1





#85

Di-n-octyl phthalate

Concen: 8.086 ng

RT: 22.850 min Scan# 31

Delta R.T. -0.018 min

Lab File: BG064820.D

Acq: 19 Nov 2025 18:04

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

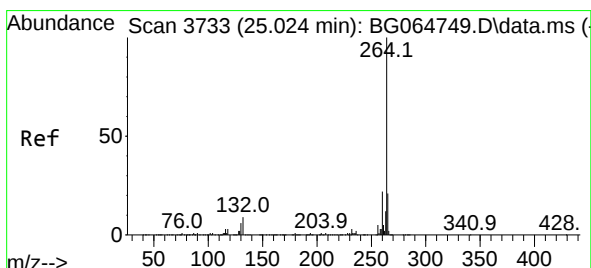
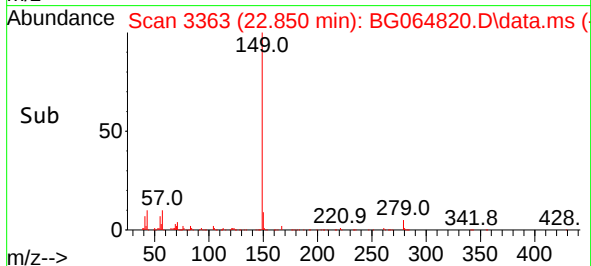
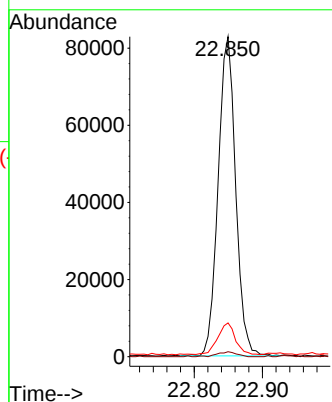
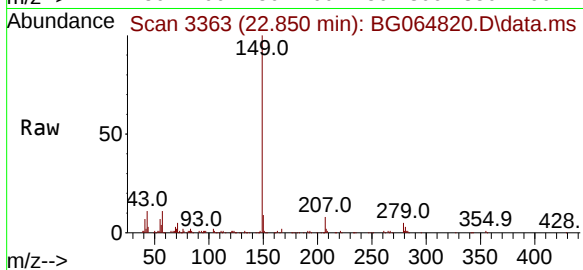
Tgt Ion:149 Resp: 148255

Ion Ratio Lower Upper

149 100

167 1.7 1.2 1.8

43 10.0 8.3 12.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.006 min Scan# 3730

Delta R.T. -0.018 min

Lab File: BG064820.D

Acq: 19 Nov 2025 18:04

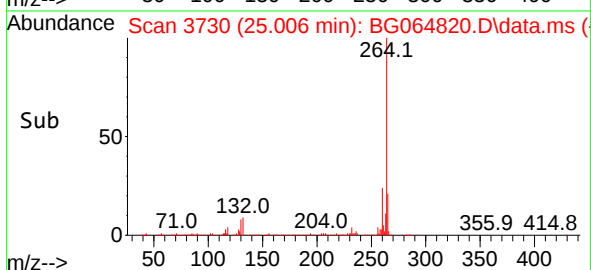
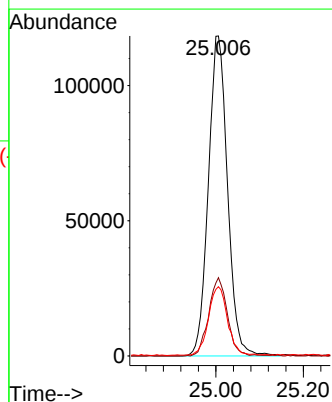
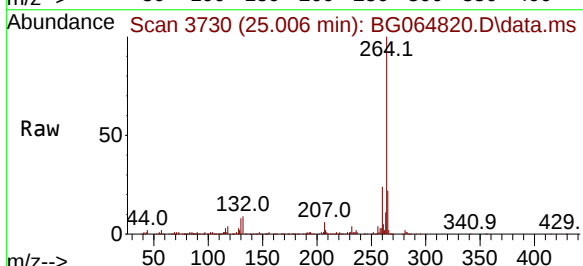
Tgt Ion:264 Resp: 359838

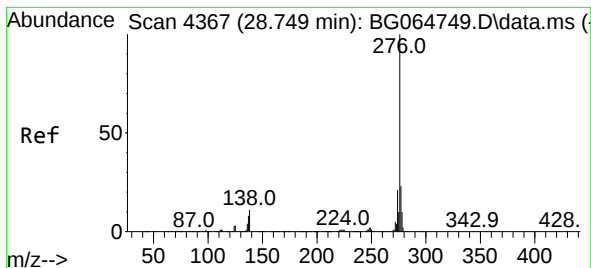
Ion Ratio Lower Upper

264 100

260 24.5 17.2 25.8

265 21.6 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.502 ng

RT: 28.719 min Scan# 41

Delta R.T. -0.030 min

Lab File: BG064820.D

Acq: 19 Nov 2025 18:04

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

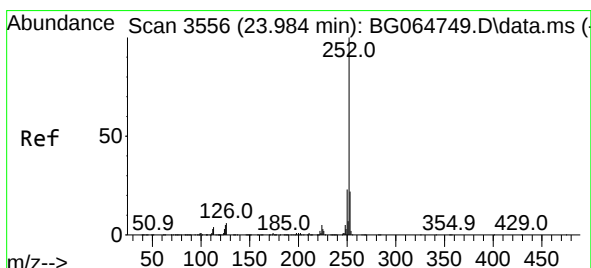
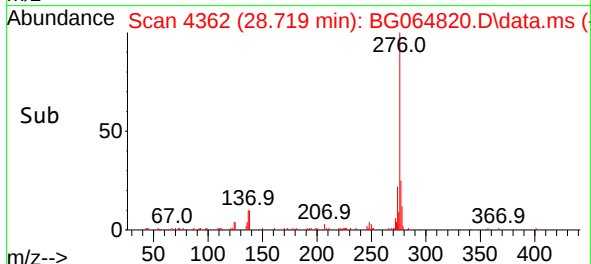
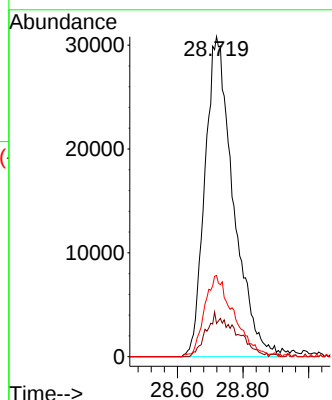
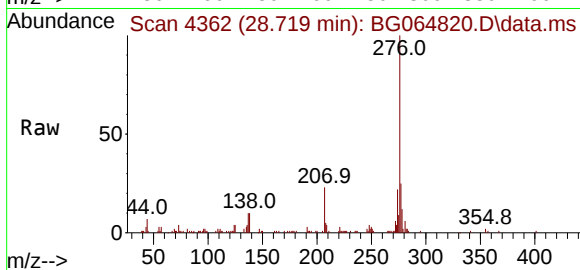
Tgt Ion:276 Resp: 185464

Ion Ratio Lower Upper

276 100

138 5.9 4.5 6.7

277 26.1 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 7.785 ng

RT: 23.966 min Scan# 3553

Delta R.T. -0.018 min

Lab File: BG064820.D

Acq: 19 Nov 2025 18:04

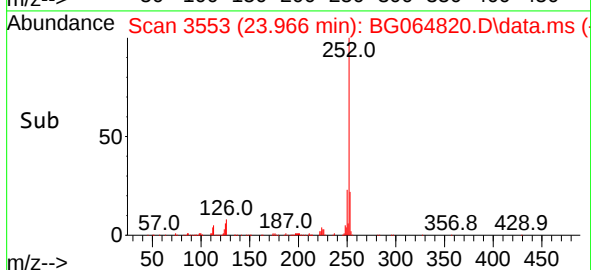
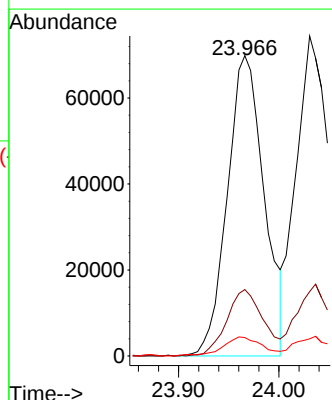
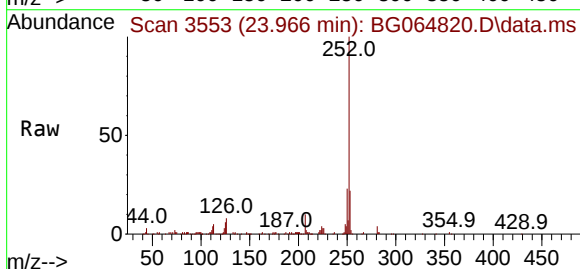
Tgt Ion:252 Resp: 178271

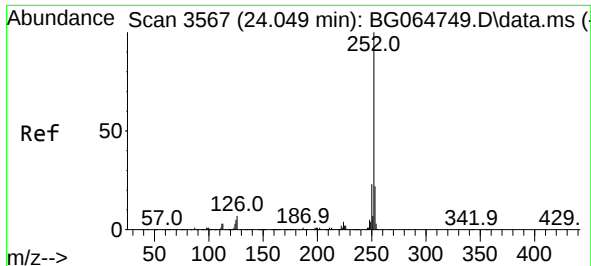
Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

125 6.1 4.2 6.2

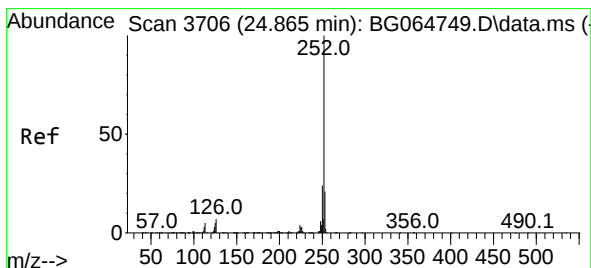
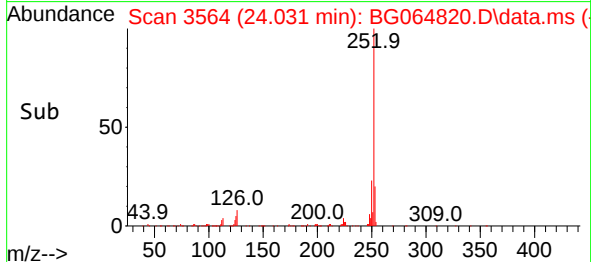
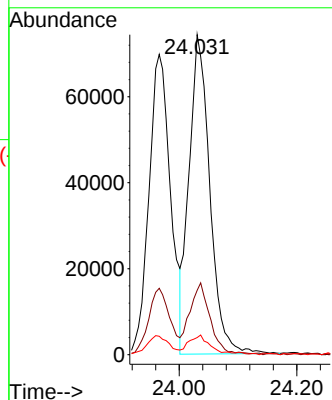
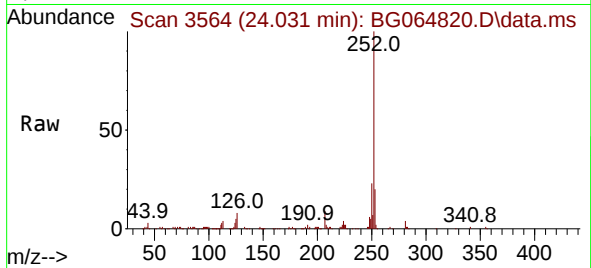




#89
Benzo(k)fluoranthene
Concen: 7.931 ng
RT: 24.031 min Scan# 31
Delta R.T. -0.018 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

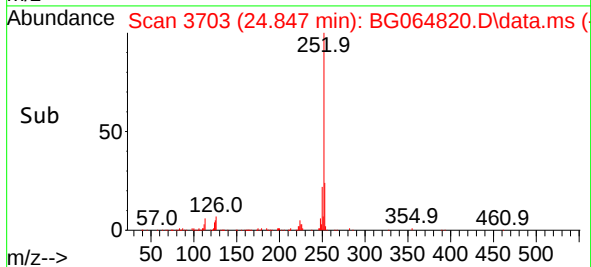
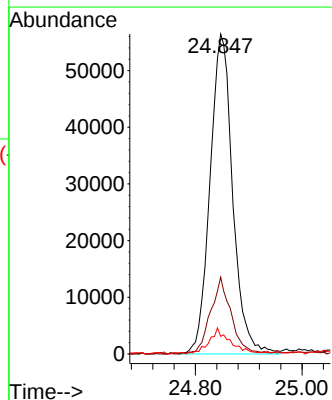
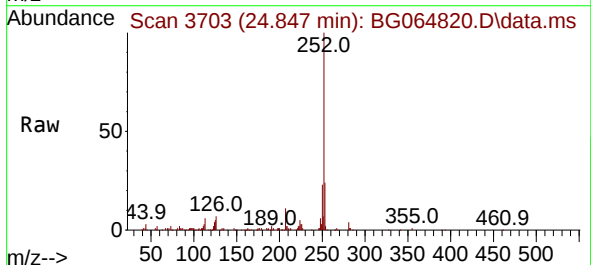
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

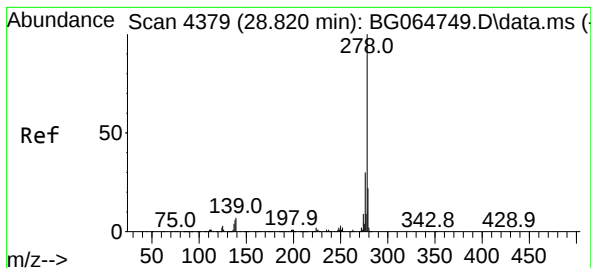
Tgt Ion:252 Resp: 182470
Ion Ratio Lower Upper
252 100
253 20.1 17.8 26.8
125 5.4 4.1 6.1



#90
Benzo(a)pyrene
Concen: 7.832 ng
RT: 24.847 min Scan# 3703
Delta R.T. -0.018 min
Lab File: BG064820.D
Acq: 19 Nov 2025 18:04

Tgt Ion:252 Resp: 166378
Ion Ratio Lower Upper
252 100
253 24.0 16.9 25.3
125 5.5 4.2 6.4





#91

Dibenzo(a,h)anthracene

Concen: 7.607 ng

RT: 28.784 min Scan# 41

Delta R.T. -0.036 min

Lab File: BG064820.D

Acq: 19 Nov 2025 18:04

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

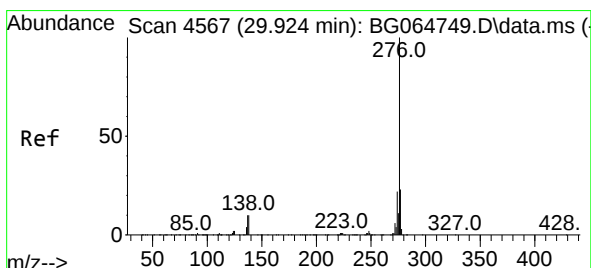
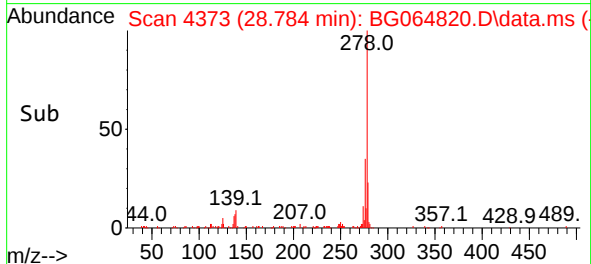
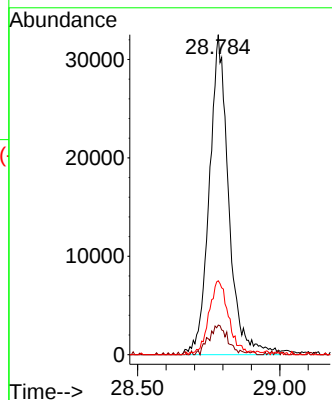
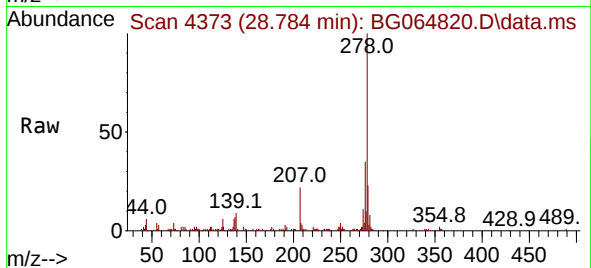
Tgt Ion:278 Resp: 154063

Ion Ratio Lower Upper

278 100

139 9.2 5.8 8.8#

279 23.1 17.3 25.9



#92

Benzo(g,h,i)perylene

Concen: 7.352 ng

RT: 29.877 min Scan# 4559

Delta R.T. -0.047 min

Lab File: BG064820.D

Acq: 19 Nov 2025 18:04

Tgt Ion:276 Resp: 143307

Ion Ratio Lower Upper

276 100

277 21.6 18.0 27.0

138 10.6 8.2 12.2

