

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071125\
 Data File : BP025104.D
 Acq On : 11 Jul 2025 15:00
 Operator : CG/JU
 Sample : Q2126-02
 Misc : LOQ-SOIL-10 PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT2-2025

Quant Time: Jul 11 15:36:50 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 03 16:05:44 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.437	152	343710	20.000	ng	0.00
21) Naphthalene-d8	10.184	136	1379527	20.000	ng	0.00
39) Acenaphthene-d10	14.084	164	885076	20.000	ng	0.00
64) Phenanthrene-d10	16.895	188	1814460	20.000	ng	-0.01
76) Chrysene-d12	21.330	240	2050618	20.000	ng	-0.01
86) Perylene-d12	24.465	264	2256008	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.096	112	2049774	105.667	ng	0.00
7) Phenol-d6	6.631	99	2603504	102.846	ng	0.00
23) Nitrobenzene-d5	8.560	82	1643993	79.254	ng	0.00
42) 2,4,6-Tribromophenol	15.607	330	1268609	121.332	ng	-0.01
45) 2-Fluorobiphenyl	12.684	172	4473408	78.299	ng	-0.01
79) Terphenyl-d14	19.666	244	7579089	81.230	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.125	88	62953	8.346	ng	100
3) Pyridine	3.490	79	164969	7.988	ng	98
4) n-Nitrosodimethylamine	3.408	42	65472	7.488	ng	# 93
6) Aniline	6.778	93	263123	11.125	ng	98
8) 2-Chlorophenol	7.013	128	185511	8.547	ng	99
9) Benzaldehyde	6.596	77	149526	11.310	ng	98
10) Phenol	6.655	94	213297	8.293	ng	98
11) bis(2-Chloroethyl)ether	6.878	93	161838	8.175	ng	98
12) 1,3-Dichlorobenzene	7.331	146	212603	8.752	ng	98
13) 1,4-Dichlorobenzene	7.472	146	213763	8.692	ng	98
14) 1,2-Dichlorobenzene	7.784	146	204939	8.663	ng	99
15) Benzyl Alcohol	7.666	79	139427	8.252	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.955	45	209706	8.147	ng	97
17) 2-Methylphenol	7.866	107	139931	8.445	ng	98
18) Hexachloroethane	8.496	117	73227	9.140	ng	98
19) n-Nitroso-di-n-propyla...	8.225	70	123233	8.208	ng	96
20) 3+4-Methylphenols	8.190	107	183591	7.911	ng	99
22) Acetophenone	8.237	105	271452	8.320	ng	# 98
24) Nitrobenzene	8.602	77	183990	8.708	ng	98
25) Isophorone	9.119	82	337475	8.706	ng	99
26) 2-Nitrophenol	9.302	139	78720	10.451	ng	97
27) 2,4-Dimethylphenol	9.372	122	166251	11.497	ng	98
28) bis(2-Chloroethoxy)met...	9.613	93	214977	8.167	ng	99
29) 2,4-Dichlorophenol	9.825	162	161154	8.037	ng	99
30) 1,2,4-Trichlorobenzene	10.049	180	191066	8.605	ng	100
31) Naphthalene	10.231	128	578419	8.143	ng	99
32) Benzoic acid	9.425	122	74385	10.687	ng	99
33) 4-Chloroaniline	10.337	127	244969	9.241	ng	99
34) Hexachlorobutadiene	10.531	225	111802	8.774	ng	98
35) Caprolactam	11.078	113	52257	7.618	ng	99
36) 4-Chloro-3-methylphenol	11.472	107	160207	7.646	ng	98
37) 2-Methylnaphthalene	11.854	142	363160	7.246	ng	100
38) 1-Methylnaphthalene	12.084	142	385869	7.894	ng	100
40) 1,2,4,5-Tetrachloroben...	12.231	216	215880	8.487	ng	100
41) Hexachlorocyclopentadiene	12.219	237	96201	14.479	ng	98
43) 2,4,6-Trichlorophenol	12.484	196	126927	8.241	ng	96

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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.548	196	145788	8.352	ng	98
46) 1,1'-Biphenyl	12.895	154	540976	8.401	ng	99
47) 2-Chloronaphthalene	12.931	162	414995	8.574	ng	100
48) 2-Nitroaniline	13.137	65	88943	9.834	ng	99
49) Acenaphthylene	13.801	152	664414	8.969	ng	99
50) Dimethylphthalate	13.554	163	518448	8.368	ng	99
51) 2,6-Dinitrotoluene	13.654	165	96473	7.984	ng	96
52) Acenaphthene	14.148	154	395745	8.288	ng	100
53) 3-Nitroaniline	13.984	138	110841	8.560	ng	99
54) 2,4-Dinitrophenol	14.195	184	35462	10.986	ng	99
55) Dibenzofuran	14.489	168	641853	8.146	ng	99
56) 4-Nitrophenol	14.307	139	92860	7.771	ng	98
57) 2,4-Dinitrotoluene	14.448	165	126985	9.404	ng	97
58) Fluorene	15.154	166	519002	8.515	ng	97
59) 2,3,4,6-Tetrachlorophenol	14.731	232	132264	8.367	ng	98
60) Diethylphthalate	14.954	149	499695	8.030	ng	100
61) 4-Chlorophenyl-phenyle...	15.160	204	252290	8.364	ng	98
62) 4-Nitroaniline	15.160	138	114765	8.452	ng	97
63) Azobenzene	15.460	77	416613	7.519	ng	97
65) 4,6-Dinitro-2-methylph...	15.236	198	52149	11.160	ng	99
66) n-Nitrosodiphenylamine	15.384	169	435994	8.396	ng	98
67) 4-Bromophenyl-phenylether	16.084	248	159562	8.589	ng	99
68) Hexachlorobenzene	16.183	284	197532	8.699	ng	97
69) Atrazine	16.378	200	154112	10.128	ng	99
70) Pentachlorophenol	16.542	266	111512	7.271	ng	98
71) Phenanthrene	16.936	178	831297	8.574	ng	98
72) Anthracene	17.036	178	814292	8.754	ng	99
73) Carbazole	17.313	167	775256	8.524	ng	98
74) Di-n-butylphthalate	17.954	149	818442	8.081	ng	100
75) Fluoranthene	19.042	202	945525	8.343	ng	99
77) Benzidine	19.248	184	431336	11.910	ng	97
78) Pyrene	19.419	202	1015384	7.994	ng	99
80) Butylbenzylphthalate	20.419	149	358546	10.447	ng	99
81) Benzo(a)anthracene	21.313	228	1054397	8.485	ng	99
82) 3,3'-Dichlorobenzidine	21.242	252	353736	9.456	ng	99
83) Chrysene	21.371	228	997498	8.341	ng	99
84) Bis(2-ethylhexyl)phtha...	21.313	149	547508	8.214	ng	99
85) Di-n-octyl phthalate	22.524	149	854068	12.199	ng	98
87) Indeno(1,2,3-cd)pyrene	27.983	276	1252714	8.716	ng	# 93
88) Benzo(b)fluoranthene	23.471	252	1022977	7.790	ng	100
89) Benzo(k)fluoranthene	23.542	252	1051111	8.045	ng	99
90) Benzo(a)pyrene	24.301	252	978638	8.757	ng	99
91) Dibenzo(a,h)anthracene	28.065	278	1016320	8.555	ng	99
92) Benzo(g,h,i)perylene	29.053	276	574889	4.684	ng	99

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

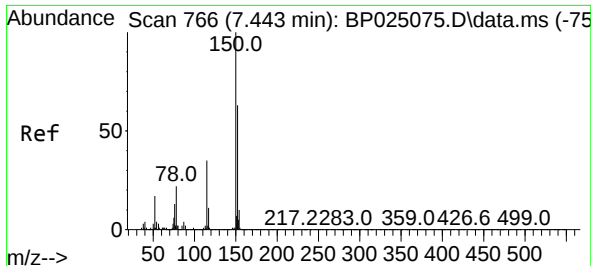
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

Abundance

TIC: BP025104.D\data.ms

Time-->

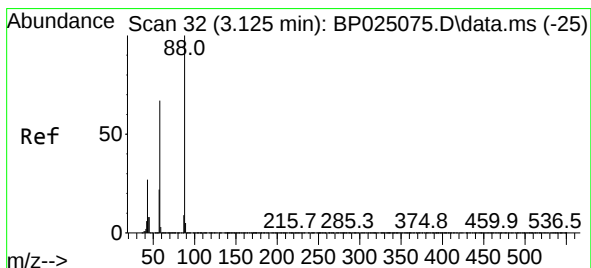
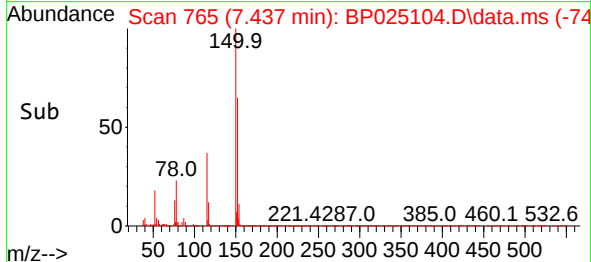
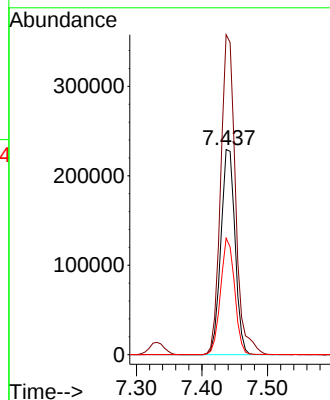
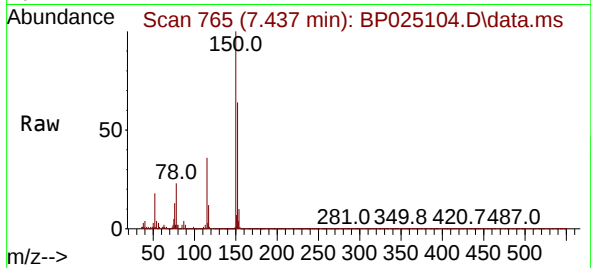
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n-Propyl dimethylamine,
2-Fluorophenol, S
Phenol-d6, S
Nitrobenzene-d5, S
2,4,6-Tribromophenol, S
Terphenyl-d4, S



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.437 min Scan# 7
 Delta R.T. -0.006 min
 Lab File: BP025104.D
 Acq: 11 Jul 2025 15:00

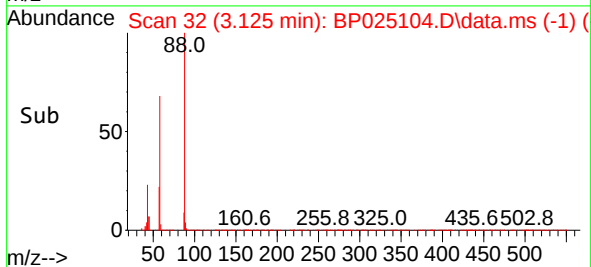
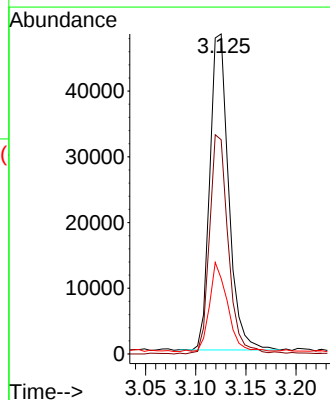
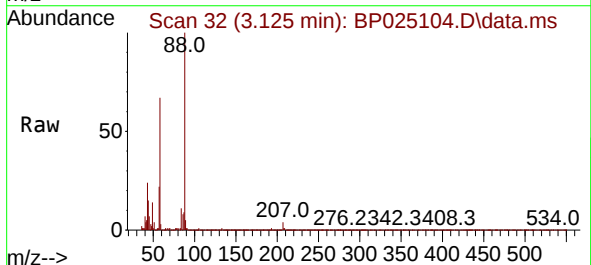
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 ClientSampleId :
 LOQ-SOIL-02-QT2-2025

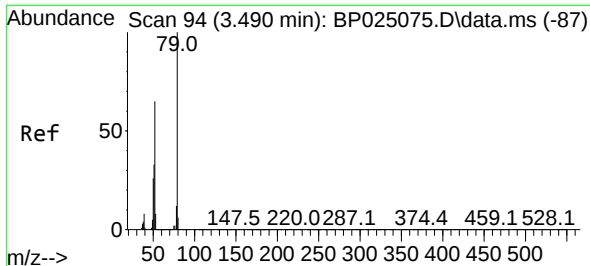
Tgt Ion:152 Resp: 343710
 Ion Ratio Lower Upper
 152 100
 150 156.0 126.1 189.1
 115 56.8 44.3 66.5



#2
 1,4-Dioxane
 Concen: 8.346 ng
 RT: 3.125 min Scan# 32
 Delta R.T. 0.000 min
 Lab File: BP025104.D
 Acq: 11 Jul 2025 15:00

Tgt Ion: 88 Resp: 62953
 Ion Ratio Lower Upper
 88 100
 58 69.1 55.0 82.4
 43 27.1 21.9 32.9

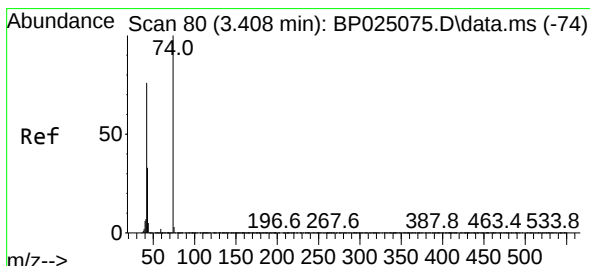
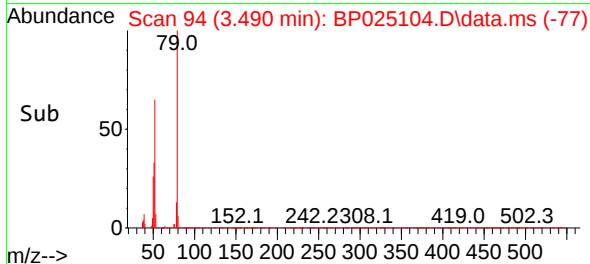
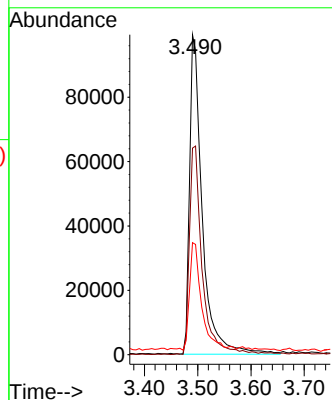
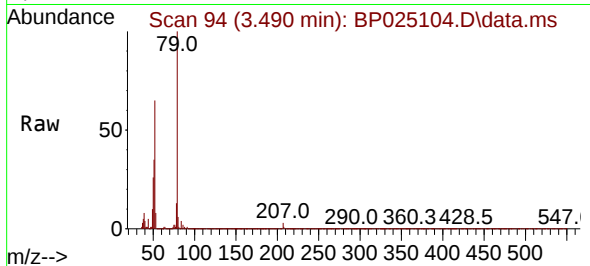




#3
Pyridine
Concen: 7.988 ng
RT: 3.490 min Scan# 94
Delta R.T. 0.000 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

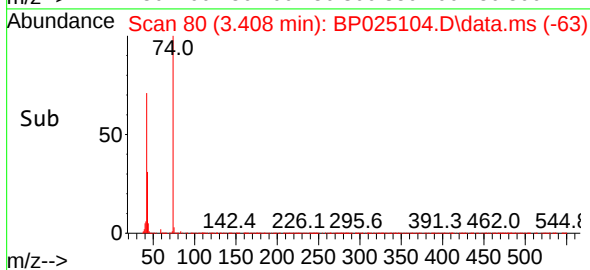
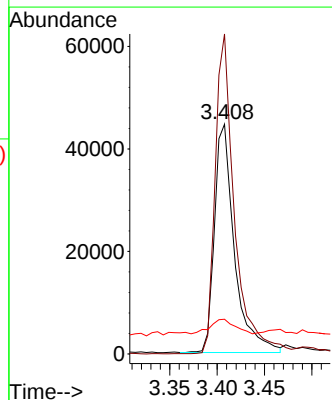
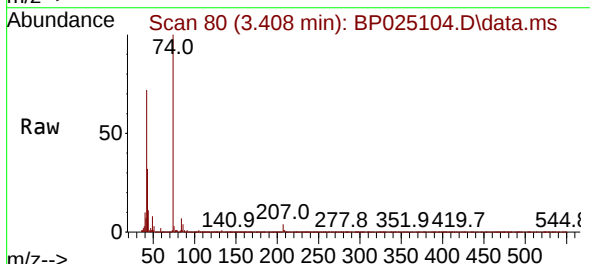
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

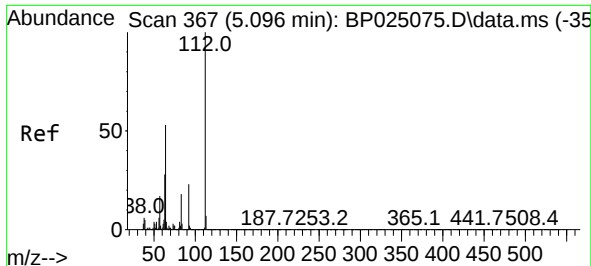
Tgt Ion: 79 Resp: 164969
Ion Ratio Lower Upper
79 100
52 64.6 52.2 78.4
51 35.0 26.8 40.2



#4
n-Nitrosodimethylamine
Concen: 7.488 ng
RT: 3.408 min Scan# 80
Delta R.T. 0.000 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

Tgt Ion: 42 Resp: 65472
Ion Ratio Lower Upper
42 100
74 139.3 105.2 157.8
44 15.1 6.6 9.8

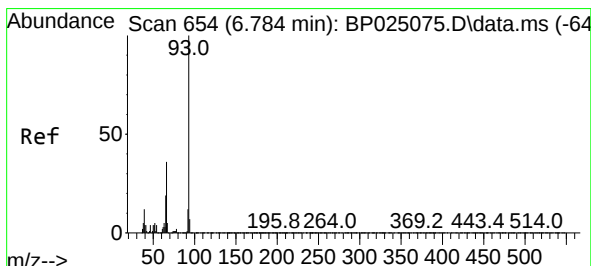
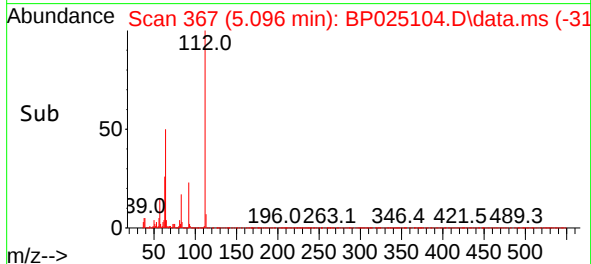
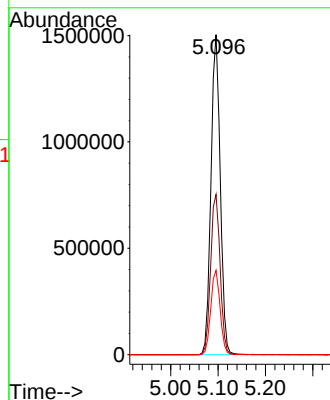
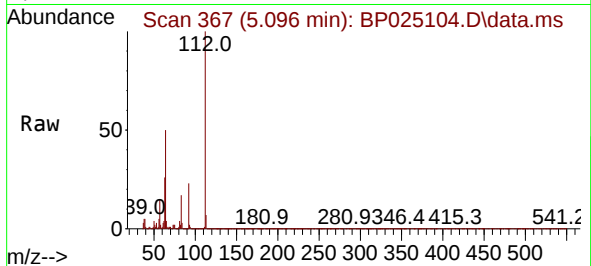




#5
2-Fluorophenol
Concen: 105.667 ng
RT: 5.096 min Scan# 30
Delta R.T. 0.000 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

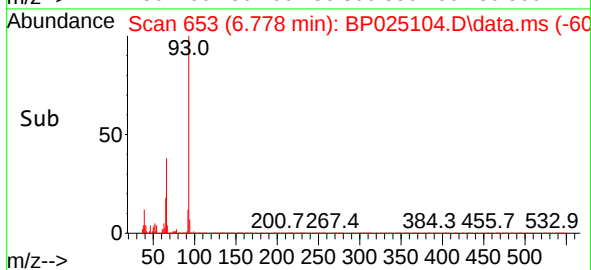
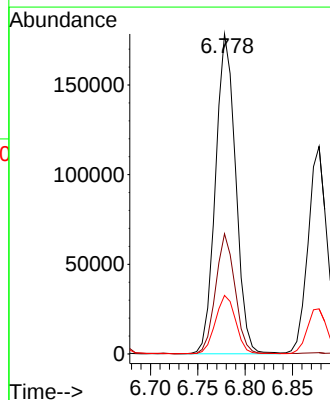
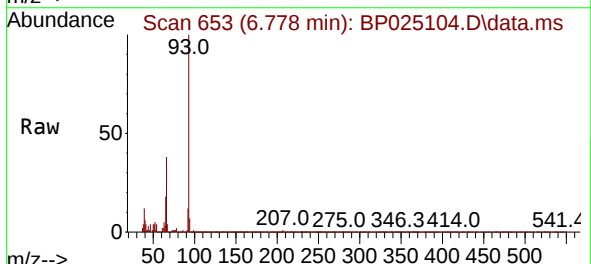
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

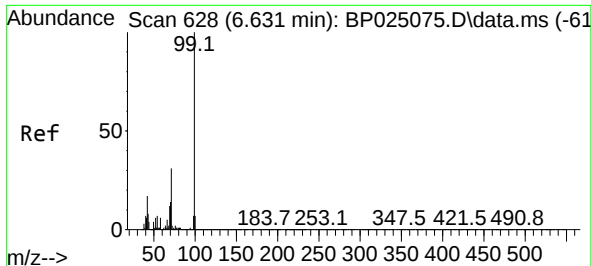
Tgt Ion:112 Resp: 2049774
Ion Ratio Lower Upper
112 100
64 50.1 42.0 63.0
63 26.3 22.2 33.2



#6
Aniline
Concen: 11.125 ng
RT: 6.778 min Scan# 653
Delta R.T. -0.006 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

Tgt Ion: 93 Resp: 263123
Ion Ratio Lower Upper
93 100
66 37.6 28.9 43.3
65 18.3 15.2 22.8



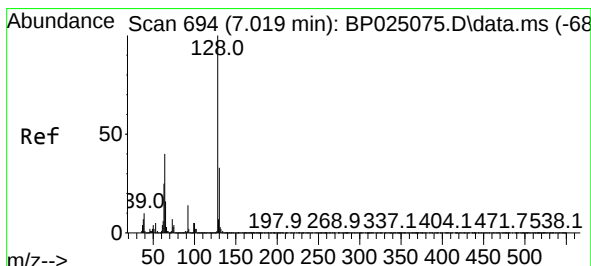
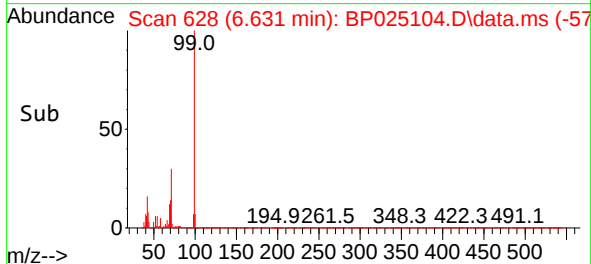
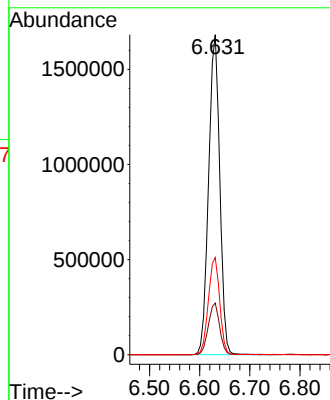
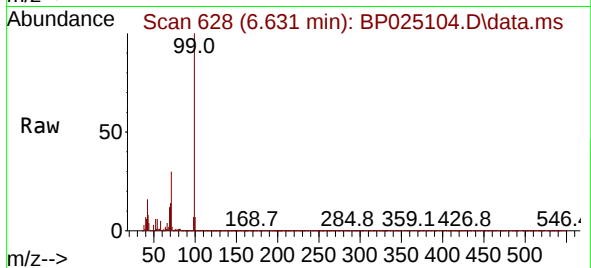


#7
Phenol-d6
Concen: 102.846 ng
RT: 6.631 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

Tgt Ion: 99 Resp: 2603504

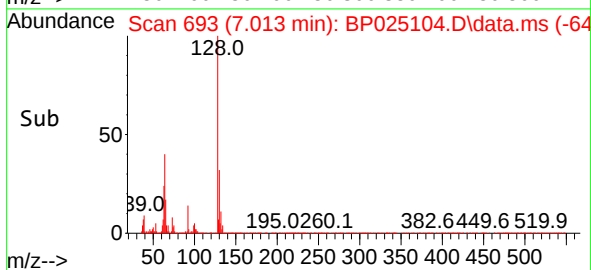
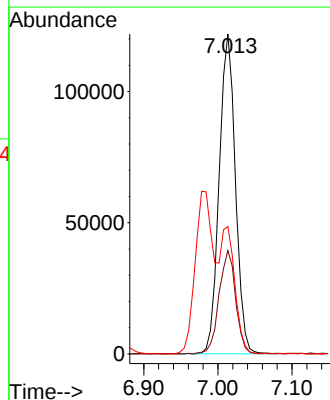
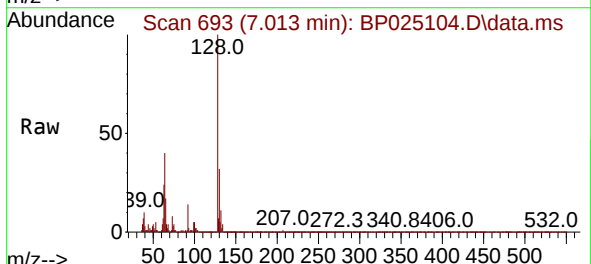
Ion	Ratio	Lower	Upper
99	100		
42	16.2	13.6	20.4
71	30.3	24.4	36.6

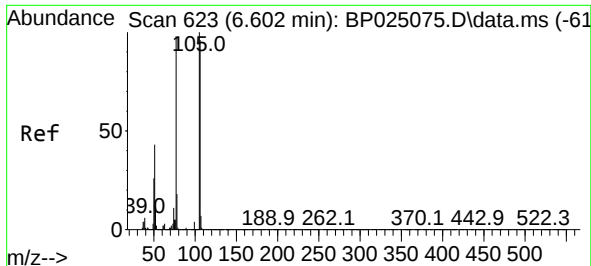


#8
2-Chlorophenol
Concen: 8.547 ng
RT: 7.013 min Scan# 693
Delta R.T. -0.006 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

Tgt Ion: 128 Resp: 185511

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.9	52.9
64	39.8	20.3	60.3

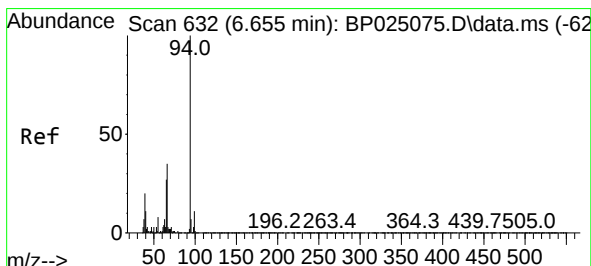
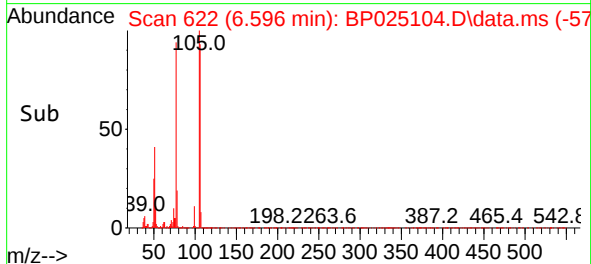
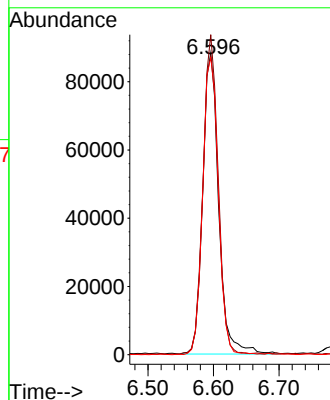
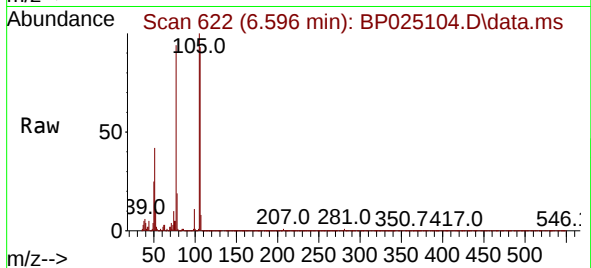




#9
Benzaldehyde
Concen: 11.310 ng
RT: 6.596 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

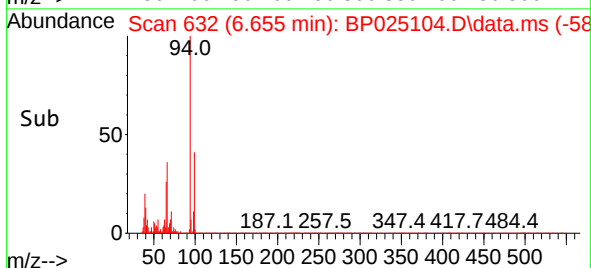
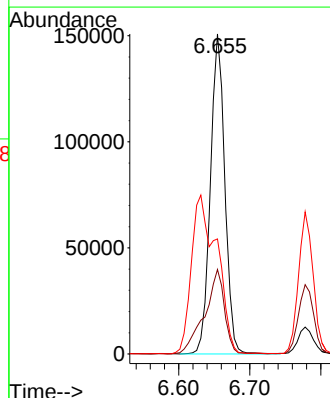
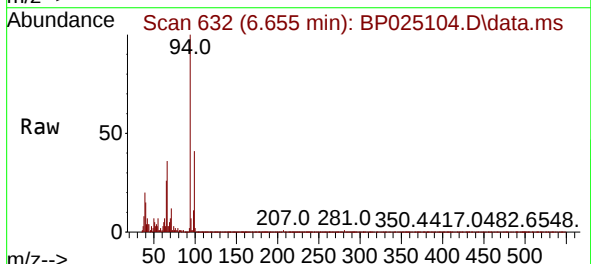
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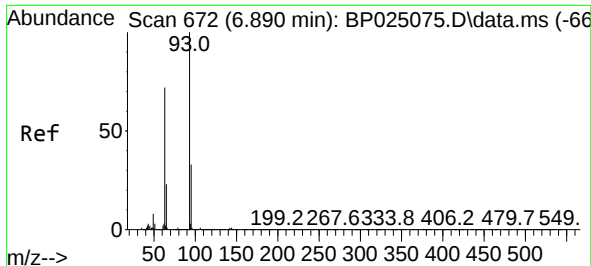
Tgt Ion: 77 Resp: 149526
Ion Ratio Lower Upper
77 100
105 106.0 82.4 122.4
106 98.5 78.3 118.3



#10
Phenol
Concen: 8.293 ng
RT: 6.655 min Scan# 632
Delta R.T. 0.000 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

Tgt Ion: 94 Resp: 213297
Ion Ratio Lower Upper
94 100
65 26.4 6.9 46.9
66 36.0 14.6 54.6

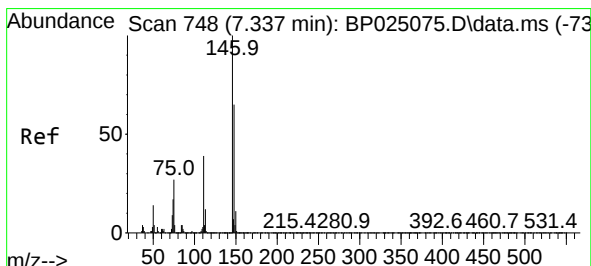
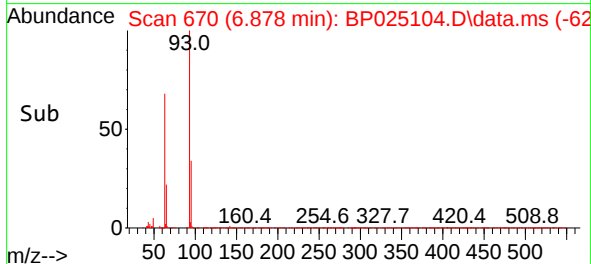
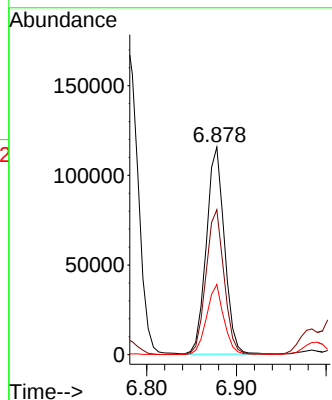
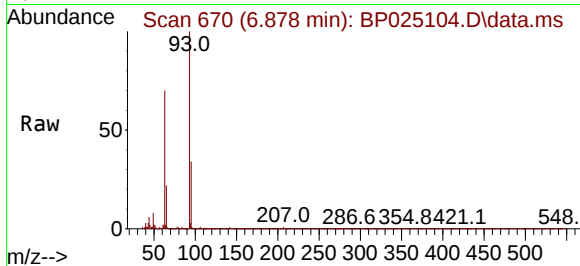




#11
bis(2-Chloroethyl)ether
Concen: 8.175 ng
RT: 6.878 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

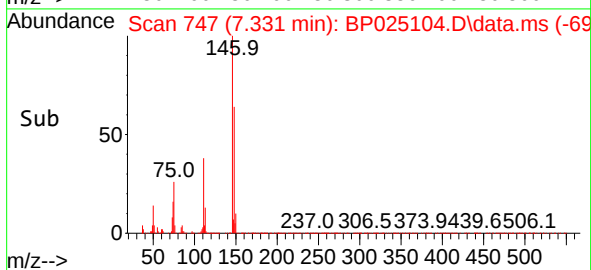
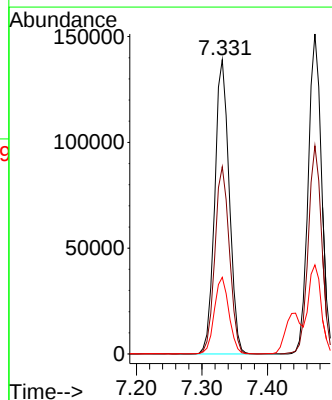
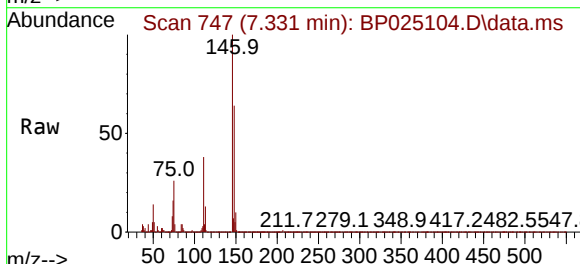
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

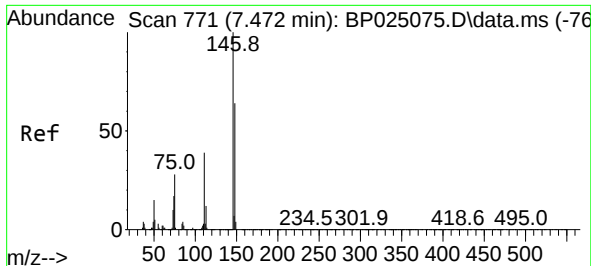
Tgt Ion: 93 Resp: 161838
Ion Ratio Lower Upper
93 100
63 69.9 51.9 91.9
95 33.8 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 8.752 ng
RT: 7.331 min Scan# 747
Delta R.T. -0.006 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

Tgt Ion:146 Resp: 212603
Ion Ratio Lower Upper
146 100
148 63.6 51.9 77.9
75 26.0 21.8 32.6

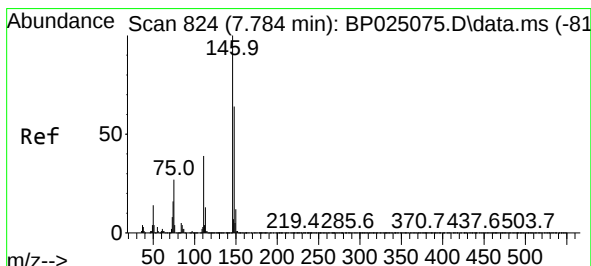
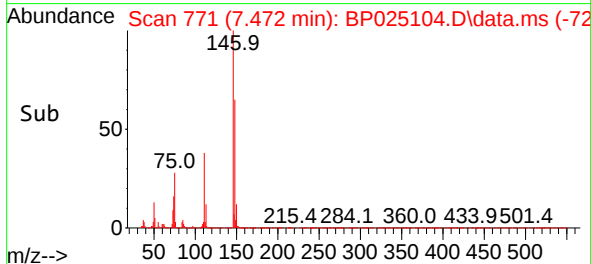
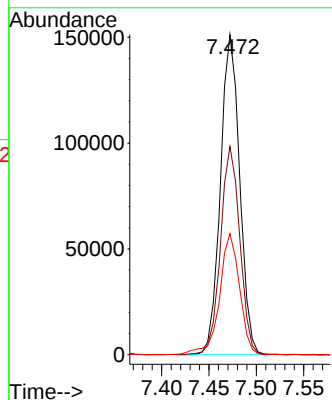
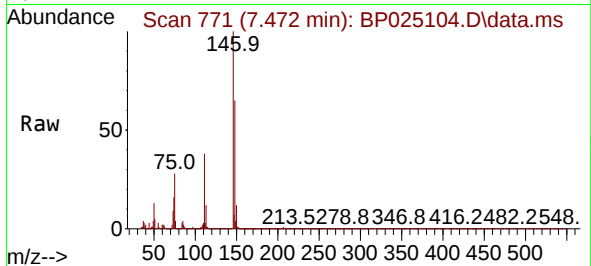




#13
1,4-Dichlorobenzene
Concen: 8.692 ng
RT: 7.472 min Scan# 771
Delta R.T. 0.000 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

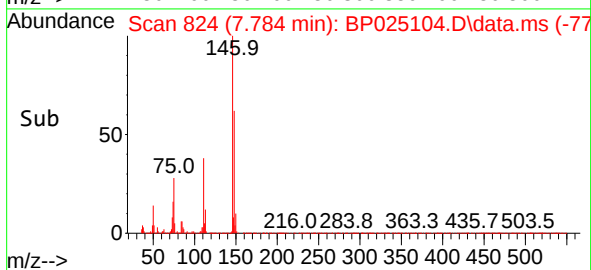
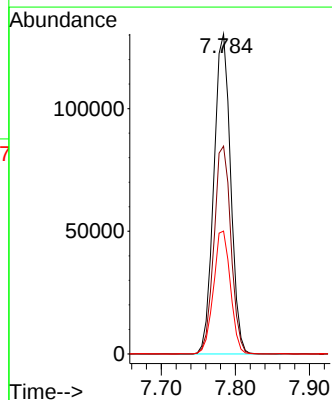
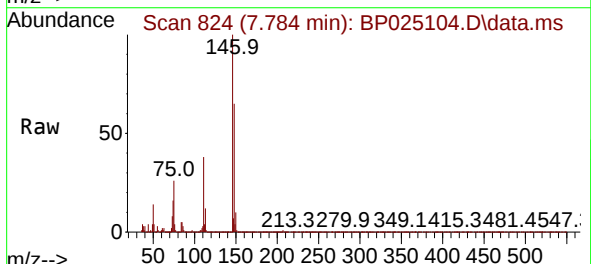
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

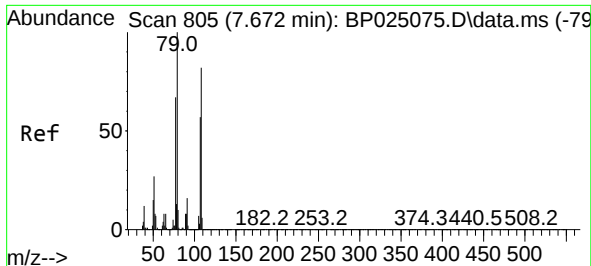
Tgt Ion:146 Resp: 213763
Ion Ratio Lower Upper
146 100
148 65.0 51.1 76.7
111 37.8 31.2 46.8



#14
1,2-Dichlorobenzene
Concen: 8.663 ng
RT: 7.784 min Scan# 824
Delta R.T. 0.000 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

Tgt Ion:146 Resp: 204939
Ion Ratio Lower Upper
146 100
148 65.0 51.1 76.7
111 38.4 31.2 46.8

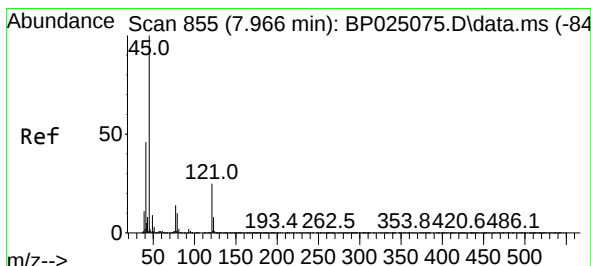
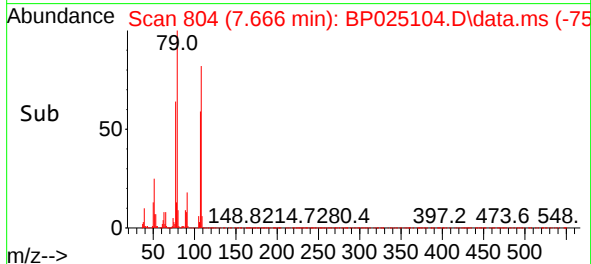
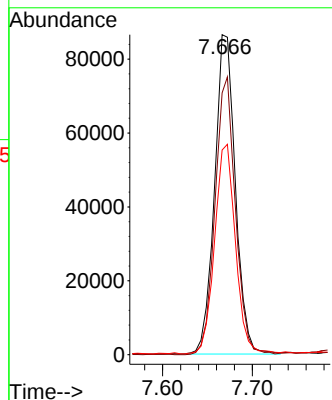
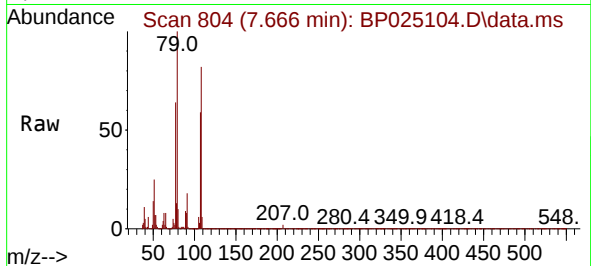




#15
Benzyl Alcohol
Concen: 8.252 ng
RT: 7.666 min Scan# 804
Delta R.T. -0.006 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

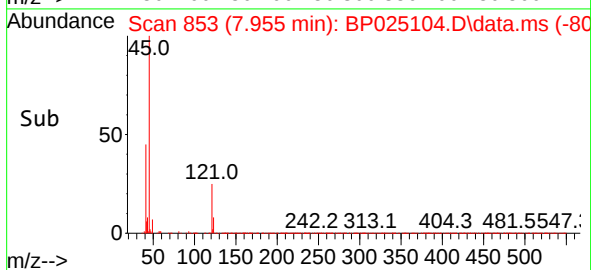
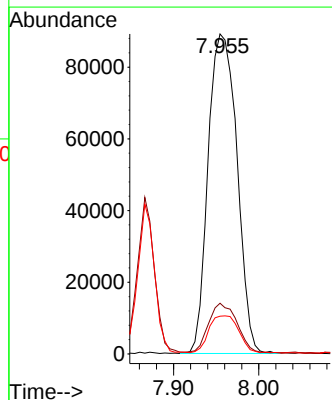
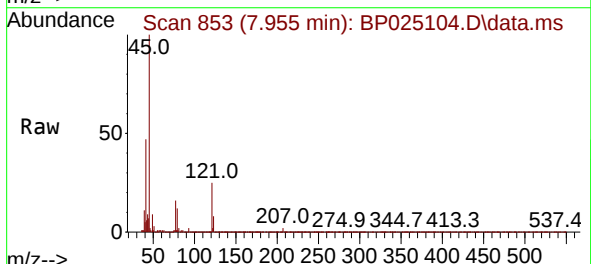
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

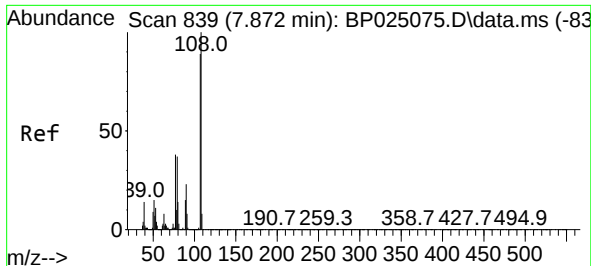
Tgt Ion: 79 Resp: 139427
Ion Ratio Lower Upper
79 100
108 81.8 66.0 99.0
77 63.9 53.4 80.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 8.147 ng
RT: 7.955 min Scan# 853
Delta R.T. -0.012 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

Tgt Ion: 45 Resp: 209706
Ion Ratio Lower Upper
45 100
77 15.8 0.0 34.8
79 11.8 0.0 30.7

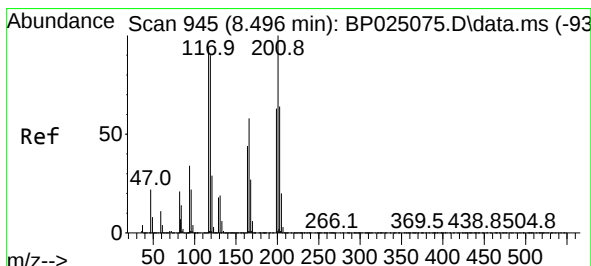
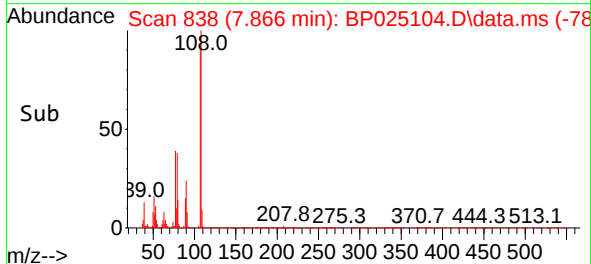
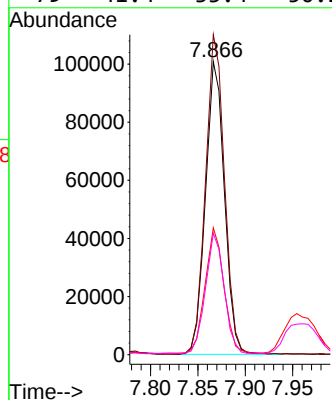
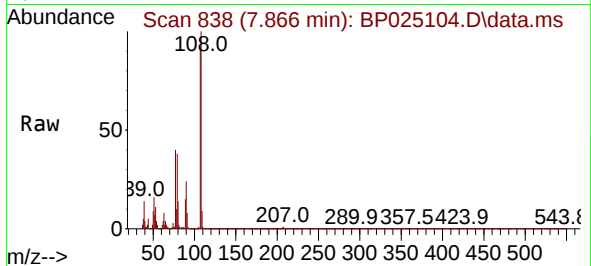




#17
2-Methylphenol
Concen: 8.445 ng
RT: 7.866 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

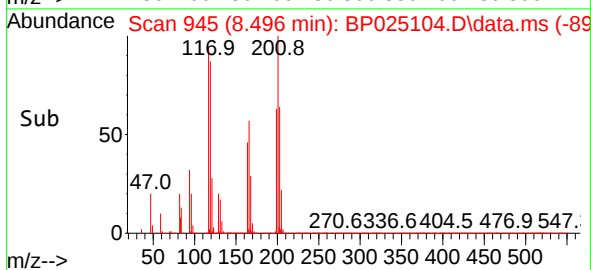
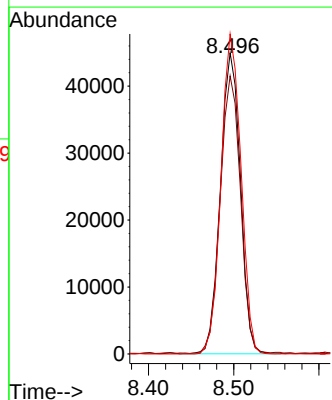
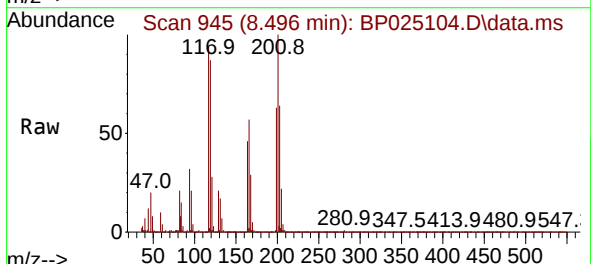
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

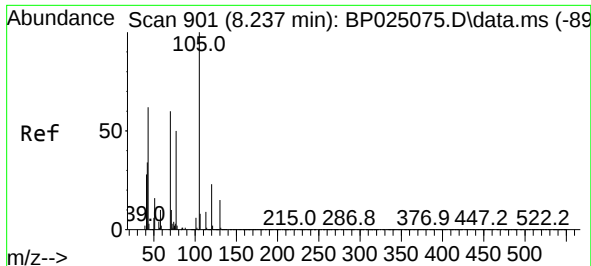
Tgt Ion:	107	Resp:	139931
Ion	Ratio	Lower	Upper
107	100		
108	109.2	89.7	134.5
77	43.3	34.2	51.4
79	41.4	33.4	50.2



#18
Hexachloroethane
Concen: 9.140 ng
RT: 8.496 min Scan# 945
Delta R.T. 0.000 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

Tgt Ion:	117	Resp:	73227
Ion	Ratio	Lower	Upper
117	100		
119	92.3	76.6	115.0
201	106.2	85.4	128.2

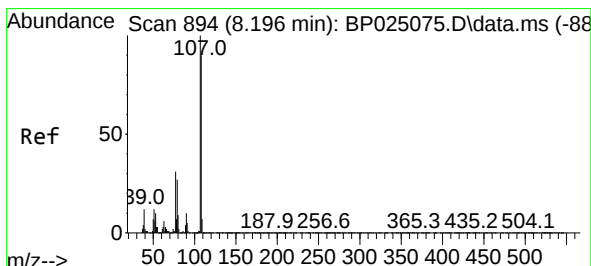
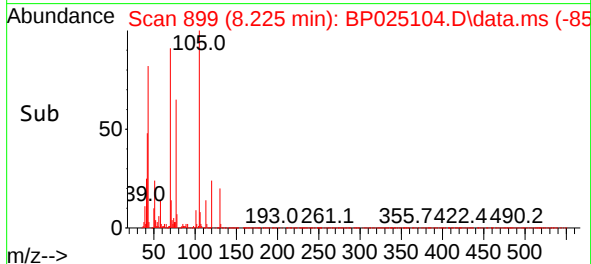
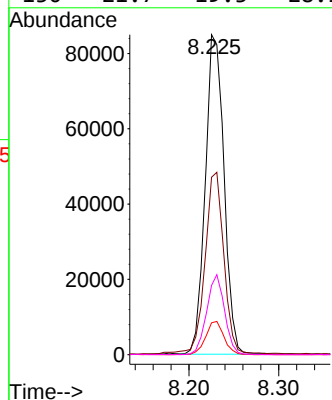
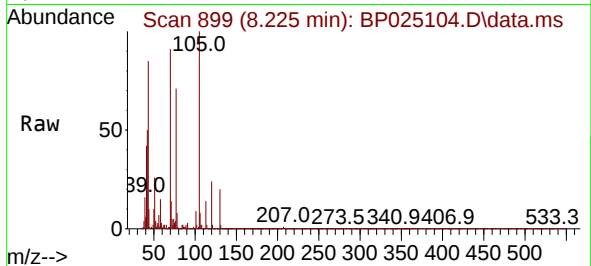




#19
n-Nitroso-di-n-propylamine
Concen: 8.208 ng
RT: 8.225 min Scan# 899
Delta R.T. -0.012 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

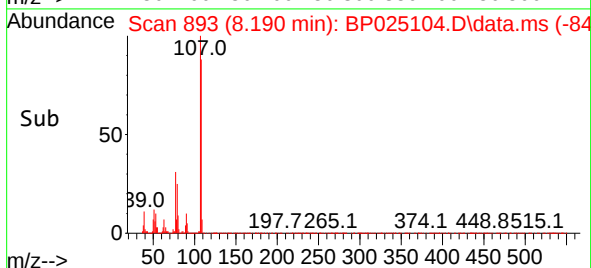
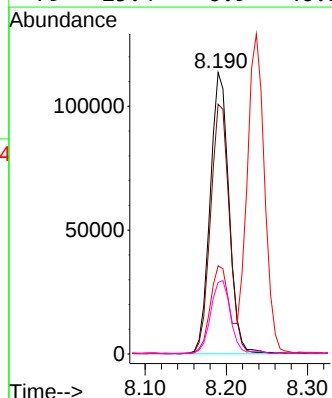
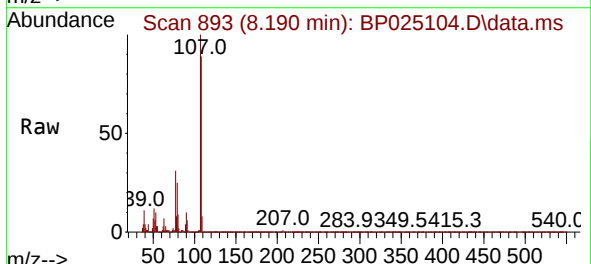
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

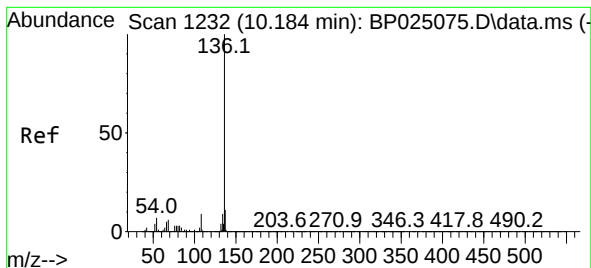
Tgt Ion: 70 Resp: 123233
Ion Ratio Lower Upper
70 100
42 55.5 46.5 69.7
101 10.0 7.9 11.9
130 21.7 19.3 28.9



#20
3+4-Methylphenols
Concen: 7.911 ng
RT: 8.190 min Scan# 893
Delta R.T. -0.006 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

Tgt Ion: 107 Resp: 183591
Ion Ratio Lower Upper
107 100
108 88.8 69.5 109.5
77 31.3 11.4 51.4
79 25.4 6.9 46.9





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.184 min Scan# 11

Delta R.T. 0.000 min

Lab File: BP025104.D

Acq: 11 Jul 2025 15:00

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

Tgt Ion:136 Resp: 1379527

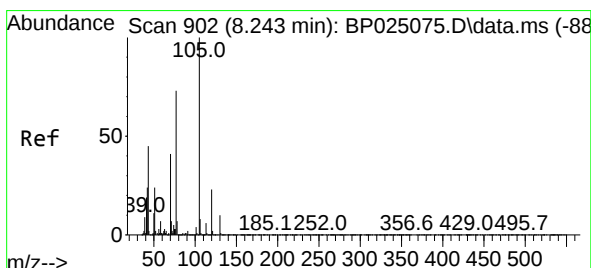
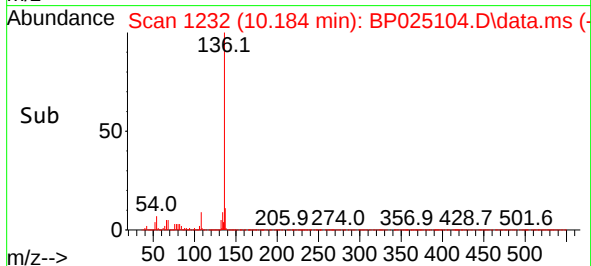
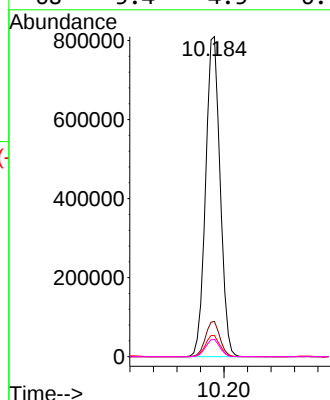
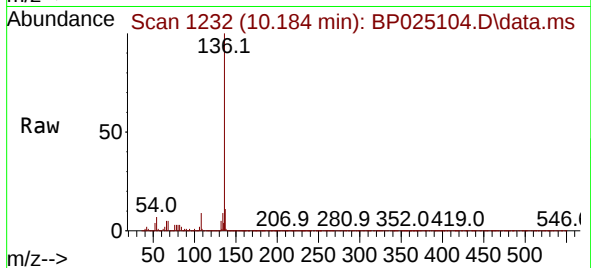
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 6.6 5.4 8.2

68 5.4 4.5 6.7



#22

Acetophenone

Concen: 8.320 ng

RT: 8.237 min Scan# 901

Delta R.T. -0.006 min

Lab File: BP025104.D

Acq: 11 Jul 2025 15:00

Tgt Ion:105 Resp: 271452

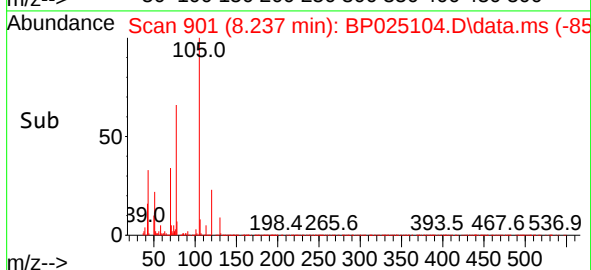
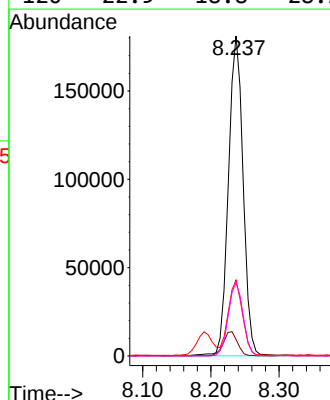
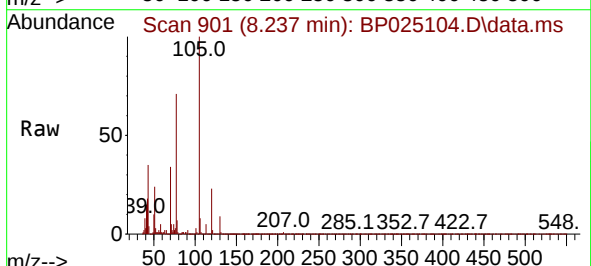
Ion Ratio Lower Upper

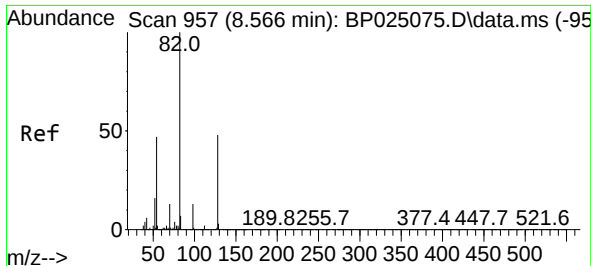
105 100

71 5.2 5.4 8.2#

51 23.7 19.6 29.4

120 22.9 18.8 28.2

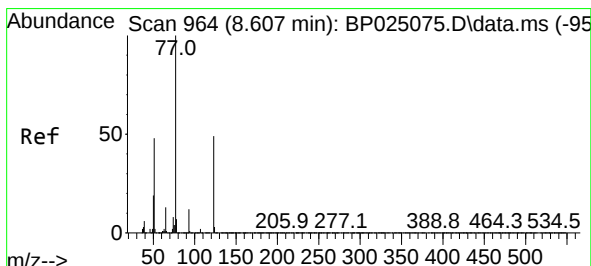
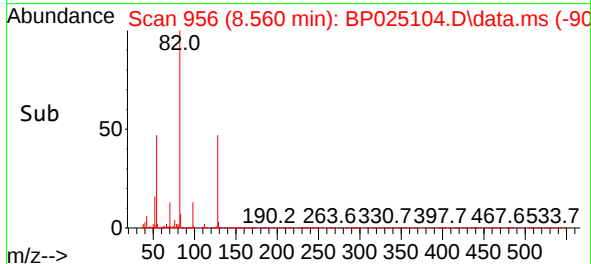
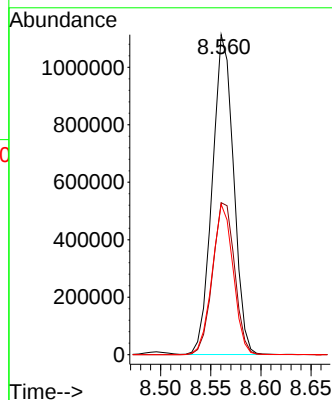
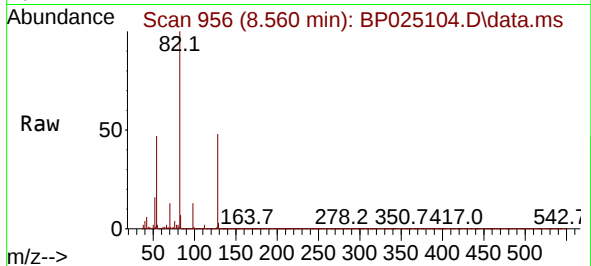




#23
Nitrobenzene-d5
Concen: 79.254 ng
RT: 8.560 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

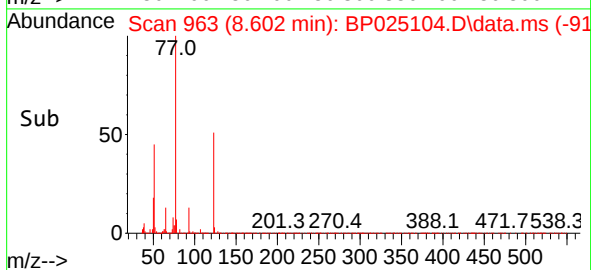
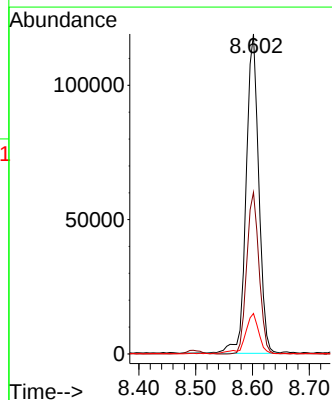
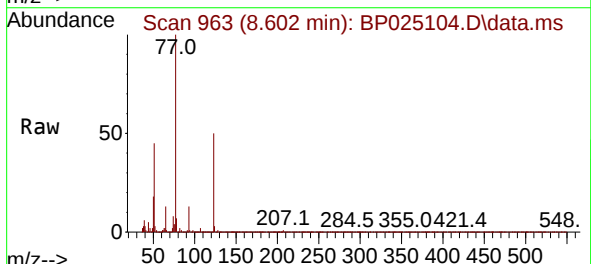
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

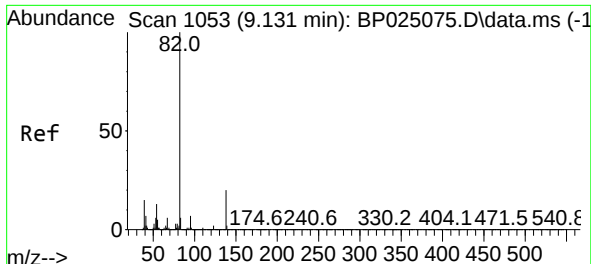
Tgt Ion: 82 Resp: 1643993
Ion Ratio Lower Upper
82 100
128 47.5 38.4 57.6
54 47.0 37.8 56.6



#24
Nitrobenzene
Concen: 8.708 ng
RT: 8.602 min Scan# 963
Delta R.T. -0.006 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

Tgt Ion: 77 Resp: 183990
Ion Ratio Lower Upper
77 100
123 50.5 39.0 58.6
65 12.7 10.7 16.1

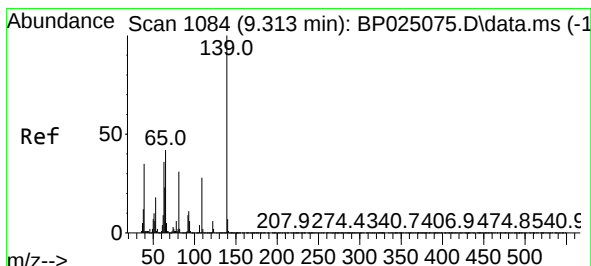
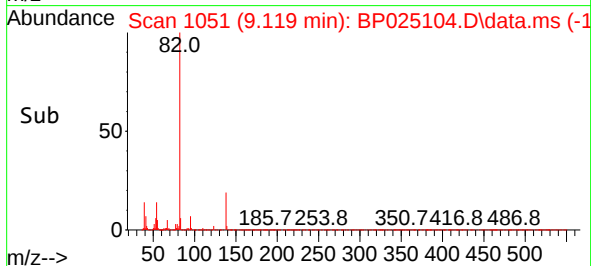
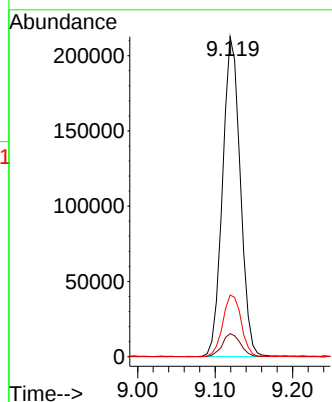
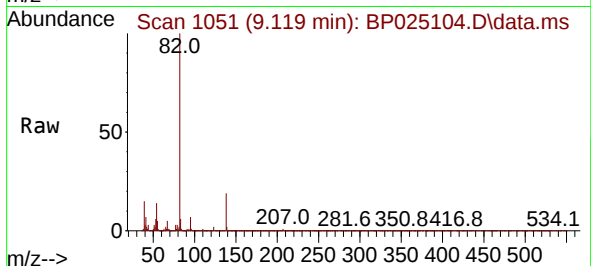




#25
Isophorone
Concen: 8.706 ng
RT: 9.119 min Scan# 1051
Delta R.T. -0.012 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

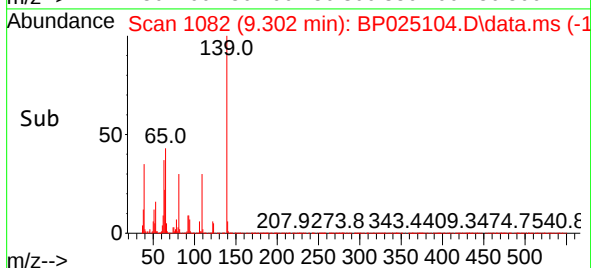
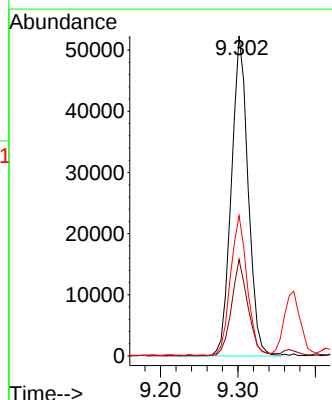
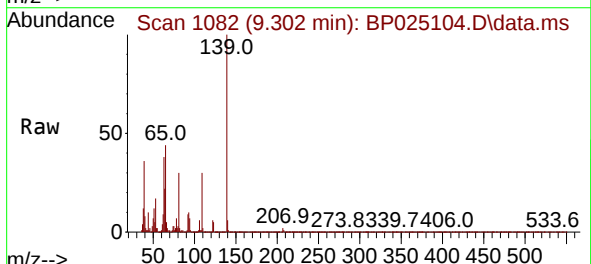
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

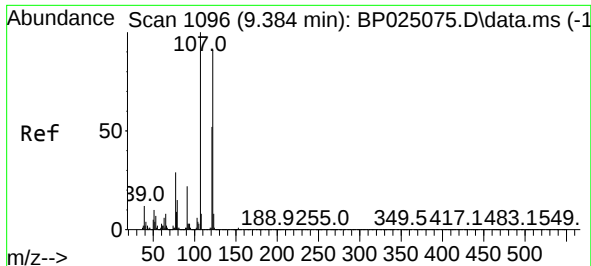
Tgt Ion: 82 Resp: 337475
Ion Ratio Lower Upper
82 100
95 7.2 5.8 8.6
138 19.3 15.7 23.5



#26
2-Nitrophenol
Concen: 10.451 ng
RT: 9.302 min Scan# 1082
Delta R.T. -0.011 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

Tgt Ion: 139 Resp: 78720
Ion Ratio Lower Upper
139 100
109 30.2 22.3 33.5
65 43.9 33.8 50.8





#27

2,4-Dimethylphenol

Concen: 11.497 ng

RT: 9.372 min Scan# 1094

Delta R.T. -0.012 min

Lab File: BP025104.D

Acq: 11 Jul 2025 15:00

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

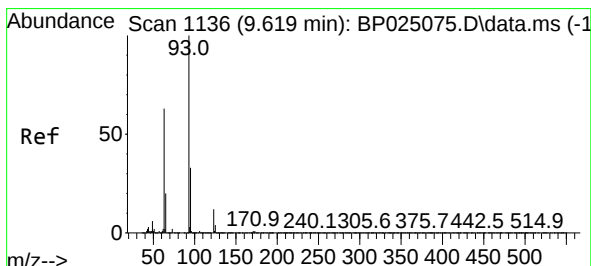
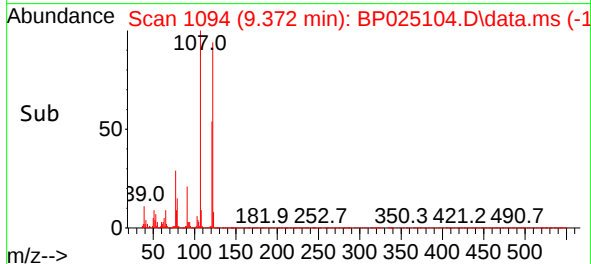
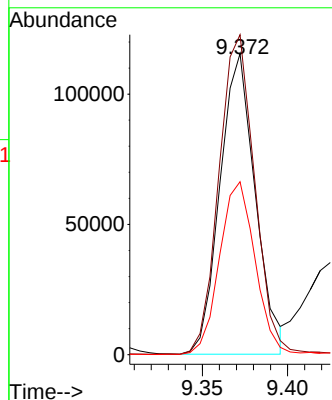
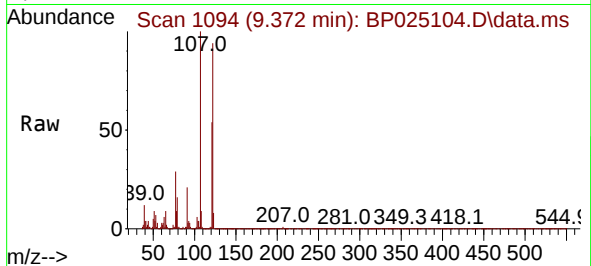
Tgt Ion:122 Resp: 166251

Ion Ratio Lower Upper

122 100

107 106.3 88.2 132.2

121 57.5 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 8.167 ng

RT: 9.613 min Scan# 1135

Delta R.T. -0.006 min

Lab File: BP025104.D

Acq: 11 Jul 2025 15:00

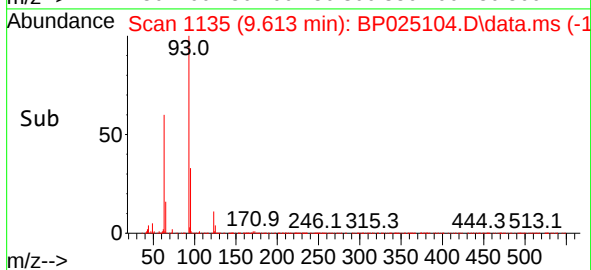
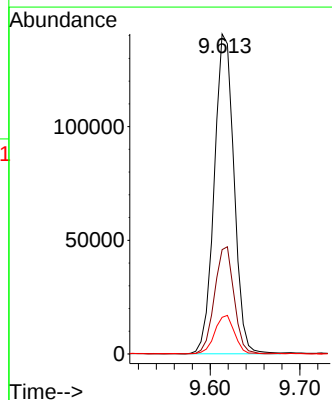
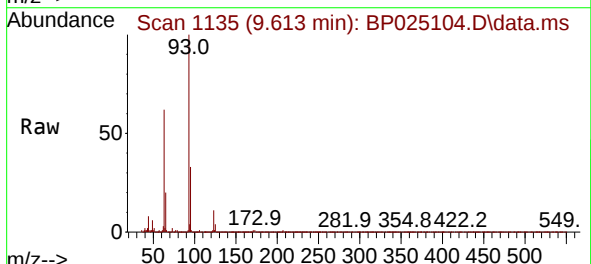
Tgt Ion: 93 Resp: 214977

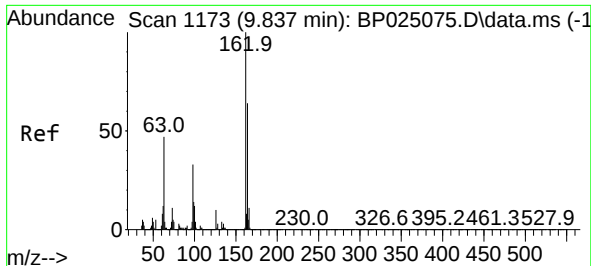
Ion Ratio Lower Upper

93 100

95 32.6 26.4 39.6

123 11.4 10.1 15.1

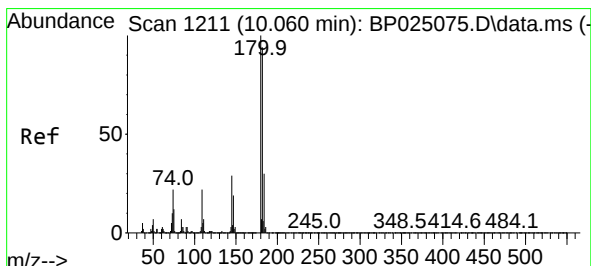
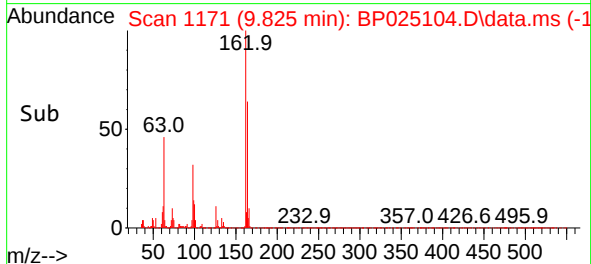
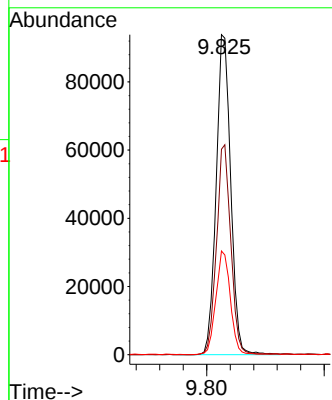
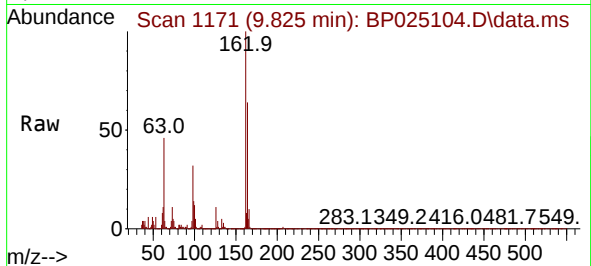




#29
2,4-Dichlorophenol
Concen: 8.037 ng
RT: 9.825 min Scan# 1173
Delta R.T. -0.012 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

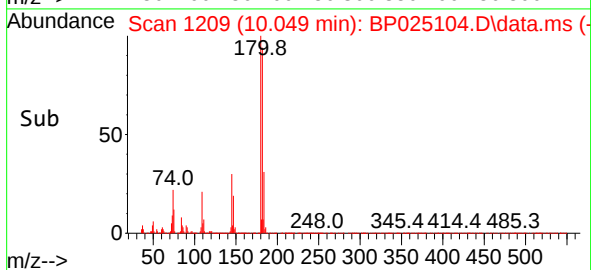
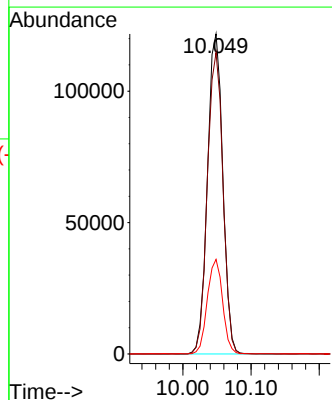
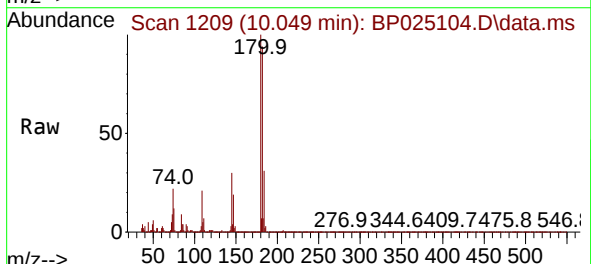
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

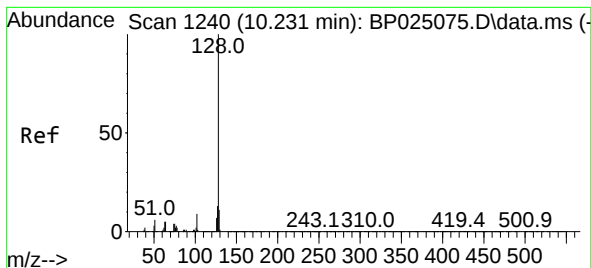
Tgt Ion:162 Resp: 161154
Ion Ratio Lower Upper
162 100
164 64.2 44.1 84.1
98 32.4 13.1 53.1



#30
1,2,4-Trichlorobenzene
Concen: 8.605 ng
RT: 10.049 min Scan# 1209
Delta R.T. -0.012 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

Tgt Ion:180 Resp: 191066
Ion Ratio Lower Upper
180 100
182 94.1 75.1 112.7
145 29.5 23.3 34.9





#31

Naphthalene

Concen: 8.143 ng

RT: 10.231 min Scan# 1103

Delta R.T. 0.000 min

Lab File: BP025104.D

Acq: 11 Jul 2025 15:00

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

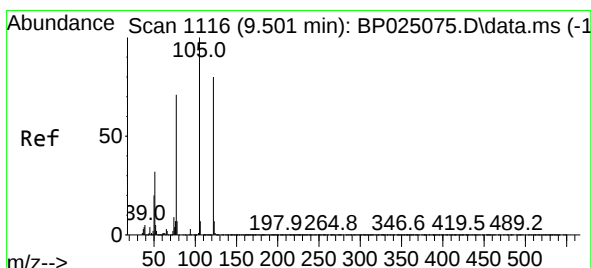
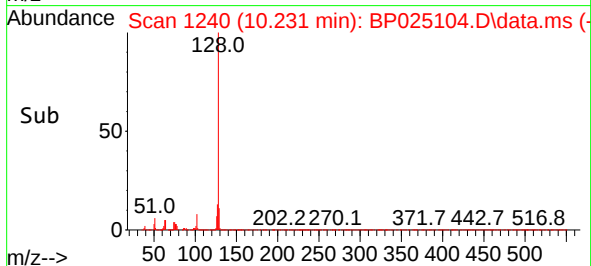
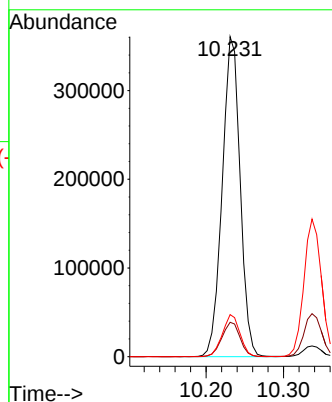
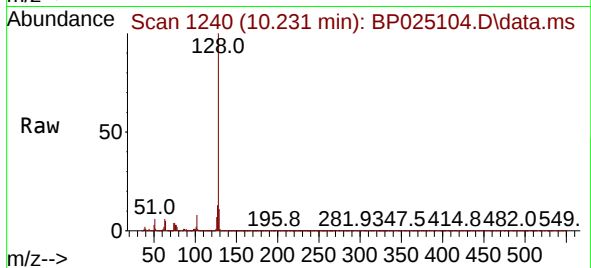
Tgt Ion:128 Resp: 578419

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

127 13.1 10.4 15.6



#32

Benzoic acid

Concen: 10.687 ng

RT: 9.425 min Scan# 1103

Delta R.T. -0.076 min

Lab File: BP025104.D

Acq: 11 Jul 2025 15:00

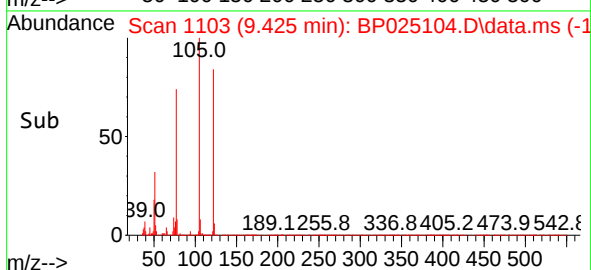
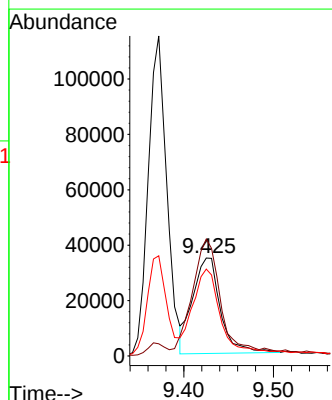
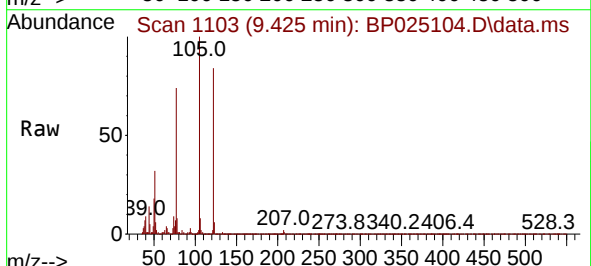
Tgt Ion:122 Resp: 74385

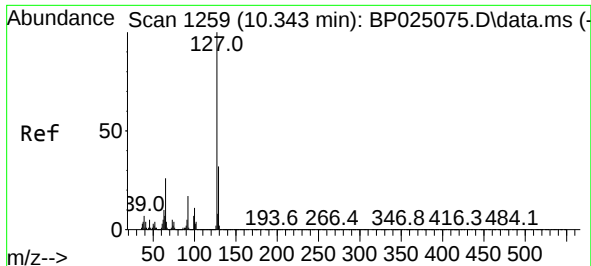
Ion Ratio Lower Upper

122 100

105 119.3 101.0 141.0

77 88.6 67.6 107.6

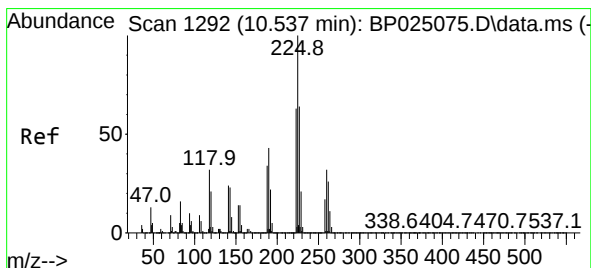
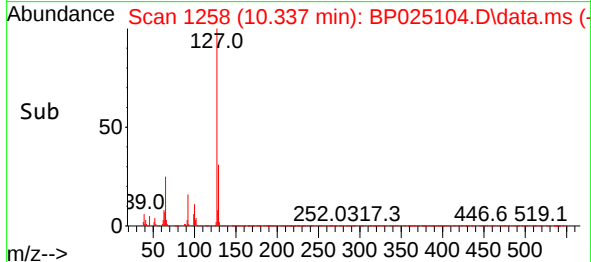
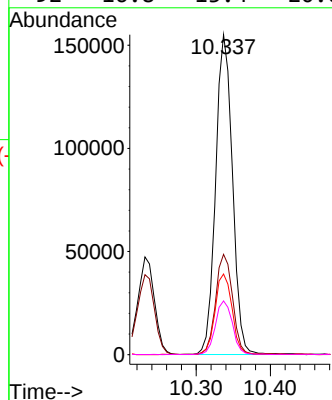
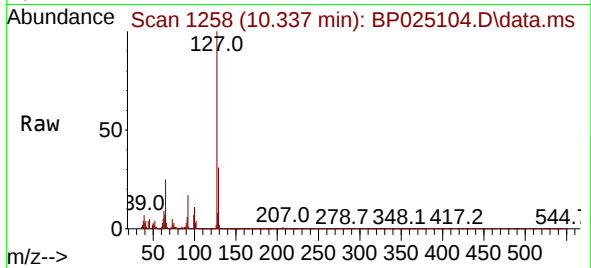




#33
4-Chloroaniline
Concen: 9.241 ng
RT: 10.337 min Scan# 1258
Delta R.T. -0.006 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

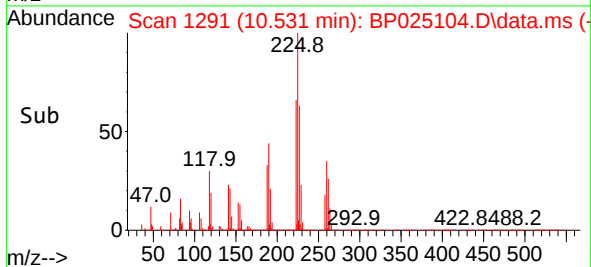
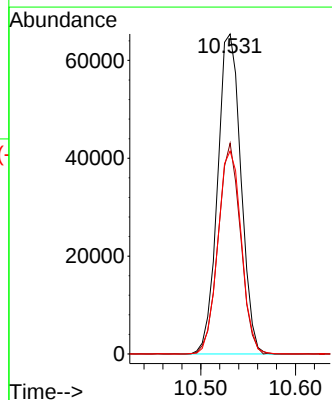
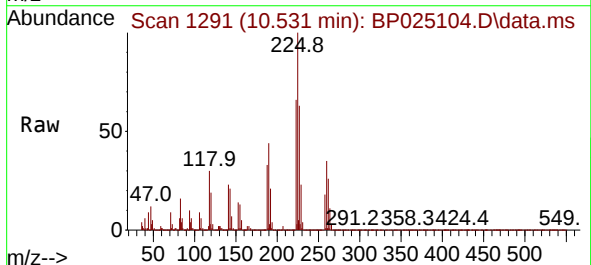
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

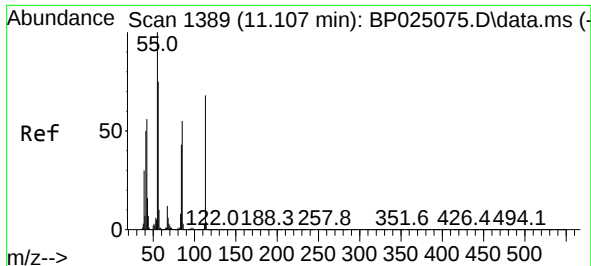
Tgt Ion:	127	Resp:	244969
Ion	Ratio	Lower	Upper
127	100		
129	31.3	25.4	38.2
65	25.2	21.0	31.6
92	16.8	13.4	20.0



#34
Hexachlorobutadiene
Concen: 8.774 ng
RT: 10.531 min Scan# 1291
Delta R.T. -0.006 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

Tgt Ion:	225	Resp:	111802
Ion	Ratio	Lower	Upper
225	100		
223	65.8	50.3	75.5
227	63.4	51.3	76.9

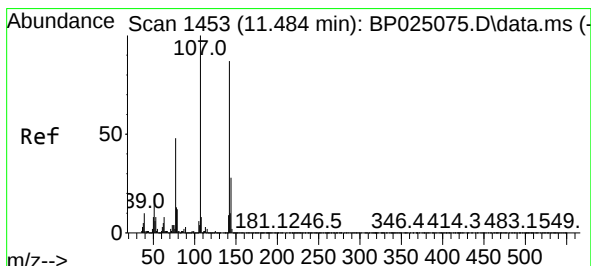
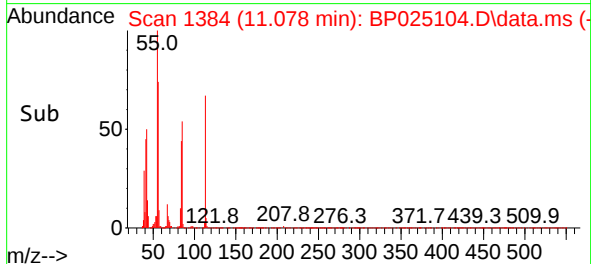
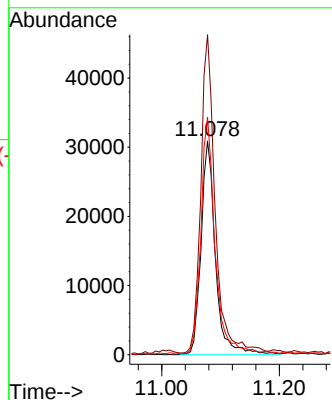
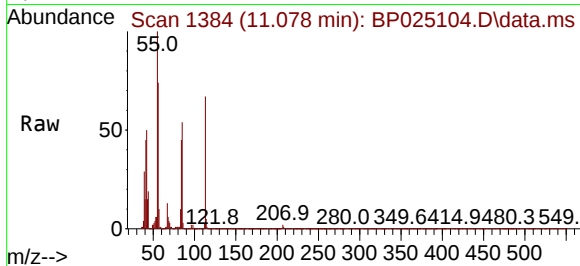




#35
Caprolactam
Concen: 7.618 ng
RT: 11.078 min Scan# 11
Delta R.T. -0.029 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

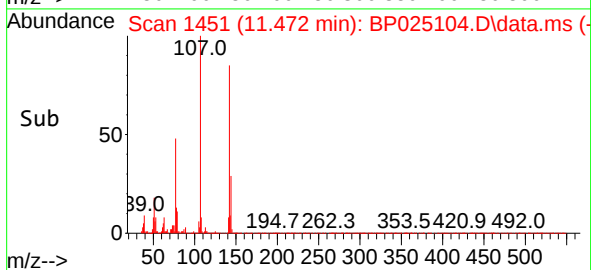
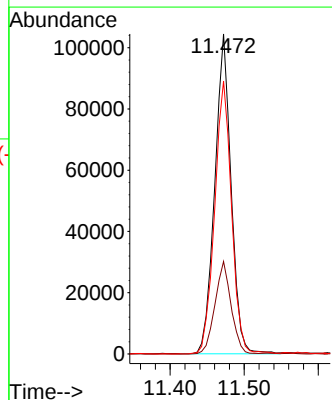
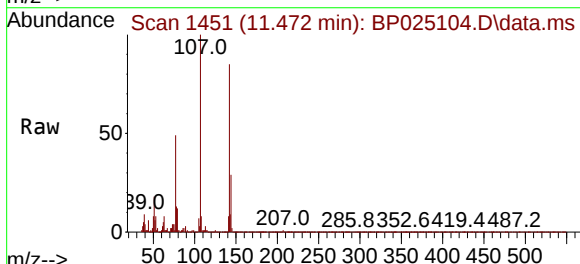
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

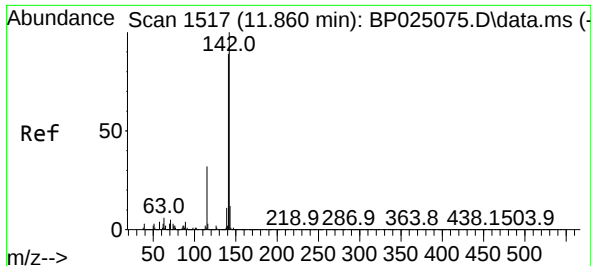
Tgt Ion	Ratio	Lower	Upper
113	100		
55	149.7	128.1	168.1
56	111.0	90.7	130.7



#36
4-Chloro-3-methylphenol
Concen: 7.646 ng
RT: 11.472 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

Tgt Ion	Ratio	Lower	Upper
107	100		
144	28.9	22.4	33.6
142	85.3	69.6	104.4

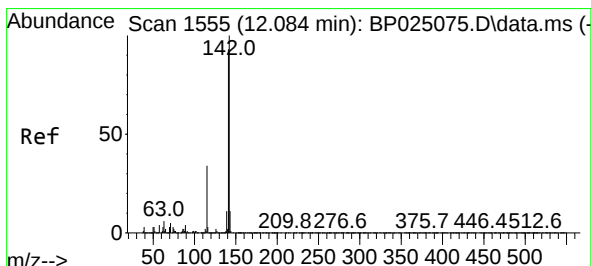
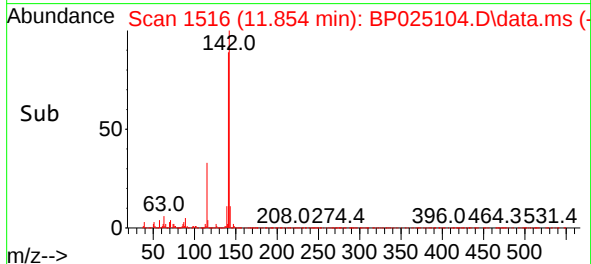
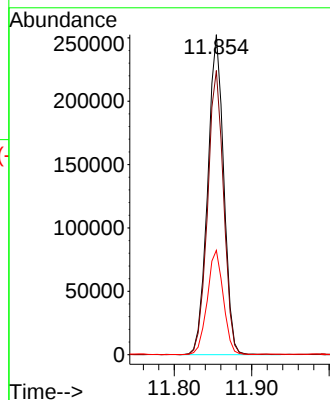
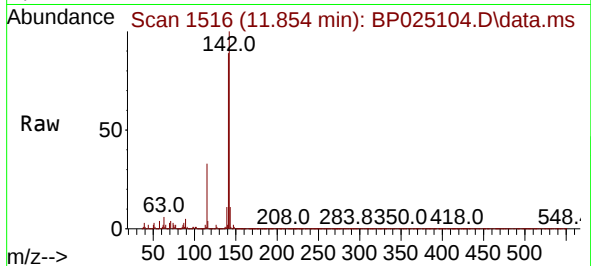




#37
2-Methylnaphthalene
Concen: 7.246 ng
RT: 11.854 min Scan# 1516
Delta R.T. -0.006 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

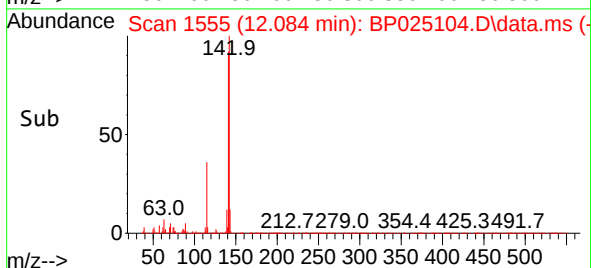
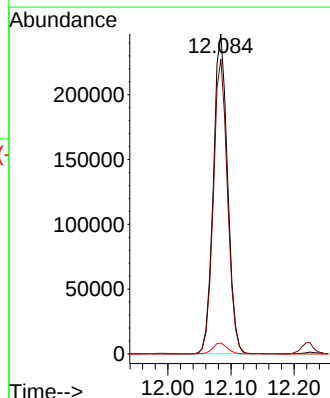
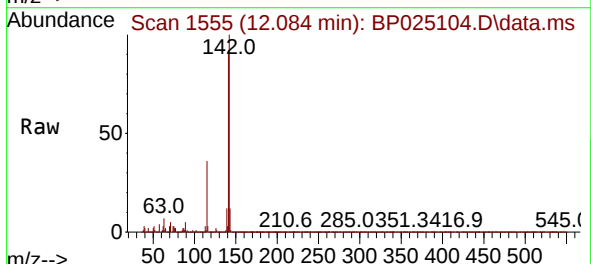
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

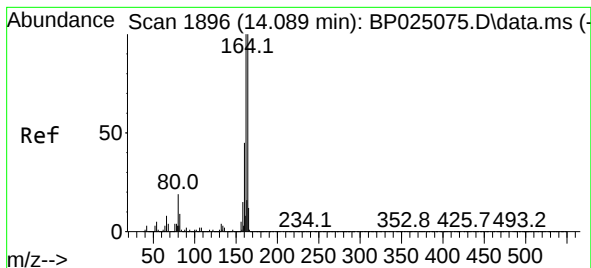
Tgt Ion:142 Resp: 363160
Ion Ratio Lower Upper
142 100
141 88.8 71.2 106.8
115 32.6 25.9 38.9



#38
1-Methylnaphthalene
Concen: 7.894 ng
RT: 12.084 min Scan# 1555
Delta R.T. 0.000 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

Tgt Ion:142 Resp: 385869
Ion Ratio Lower Upper
142 100
141 92.2 74.1 111.1
116 3.4 2.7 4.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.084 min Scan# 1896

Delta R.T. -0.005 min

Lab File: BP025104.D

Acq: 11 Jul 2025 15:00

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

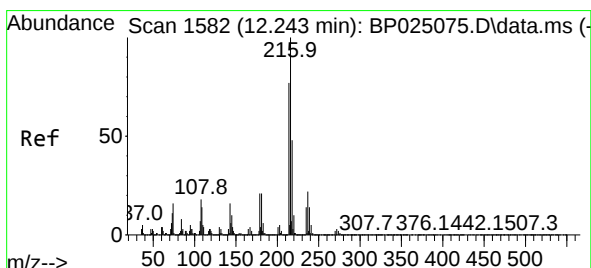
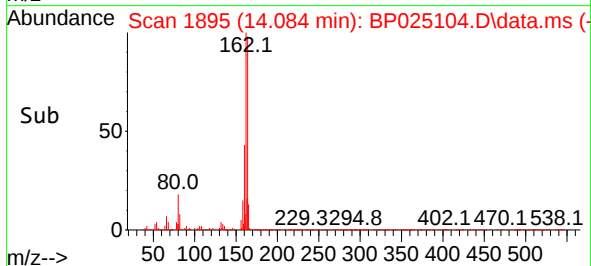
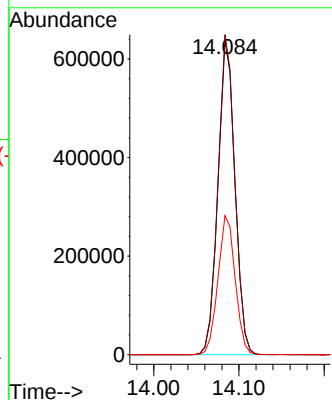
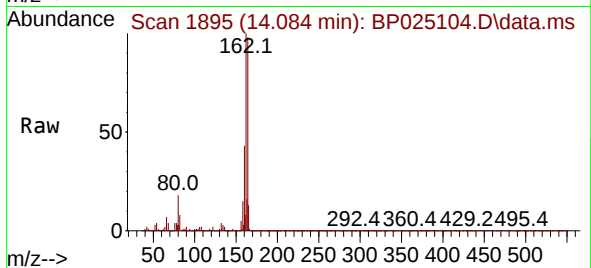
Tgt Ion:164 Resp: 885076

Ion Ratio Lower Upper

164 100

162 101.9 80.3 120.5

160 44.3 35.9 53.9



#40

1,2,4,5-Tetrachlorobenzene

Concen: 8.487 ng

RT: 12.231 min Scan# 1580

Delta R.T. -0.012 min

Lab File: BP025104.D

Acq: 11 Jul 2025 15:00

Tgt Ion:216 Resp: 215880

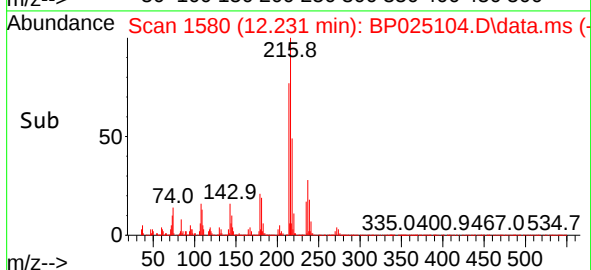
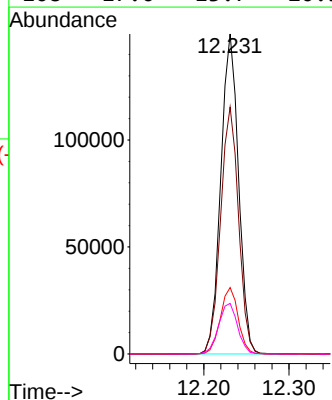
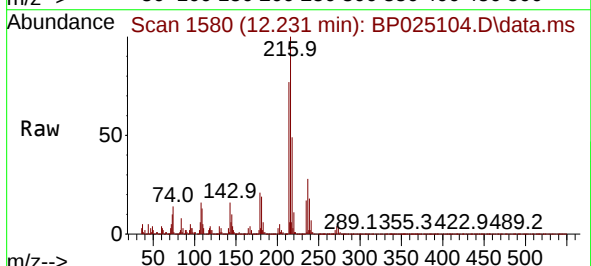
Ion Ratio Lower Upper

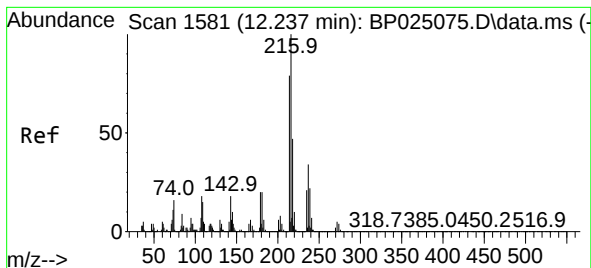
216 100

214 78.2 62.4 93.6

179 20.8 16.5 24.7

108 17.0 13.7 20.5

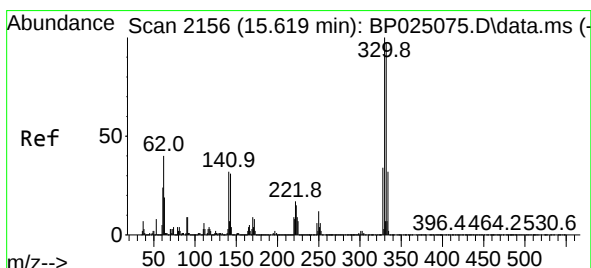
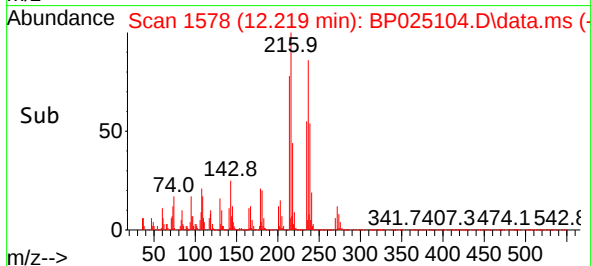
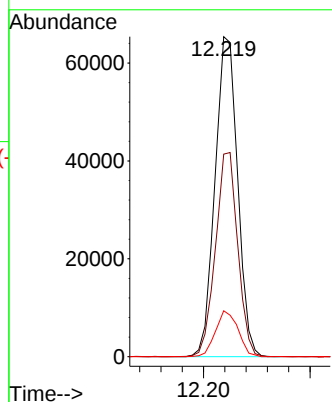
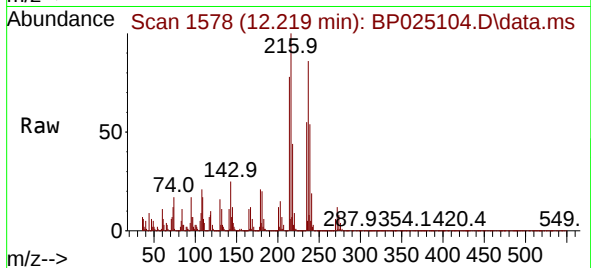




#41
Hexachlorocyclopentadiene
Concen: 14.479 ng
RT: 12.219 min Scan# 11
Delta R.T. -0.018 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

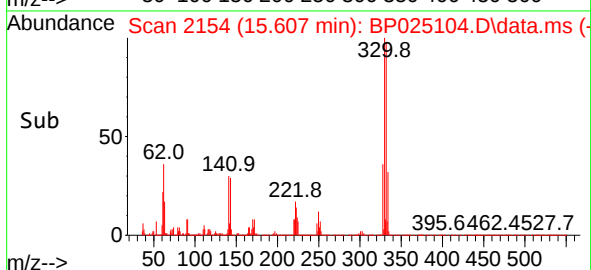
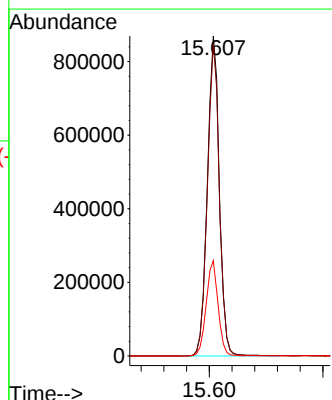
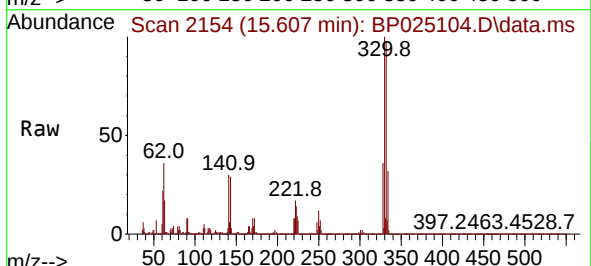
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

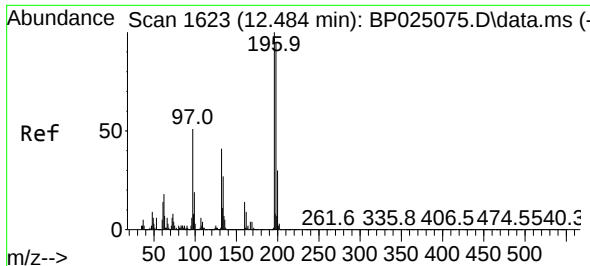
Tgt Ion: 237 Resp: 96201
Ion Ratio Lower Upper
237 100
235 63.3 41.6 81.6
272 14.4 0.0 33.6



#42
2,4,6-Tribromophenol
Concen: 121.332 ng
RT: 15.607 min Scan# 2154
Delta R.T. -0.012 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

Tgt Ion: 330 Resp: 1268609
Ion Ratio Lower Upper
330 100
332 97.1 77.7 116.5
141 29.6 26.0 39.0

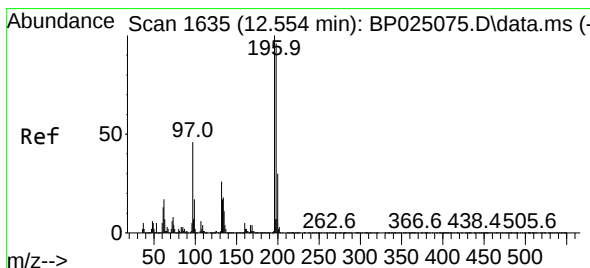
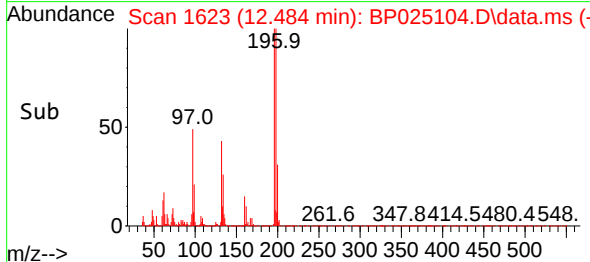
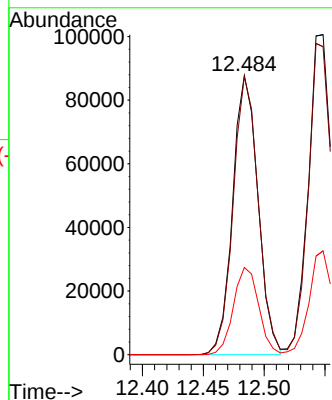
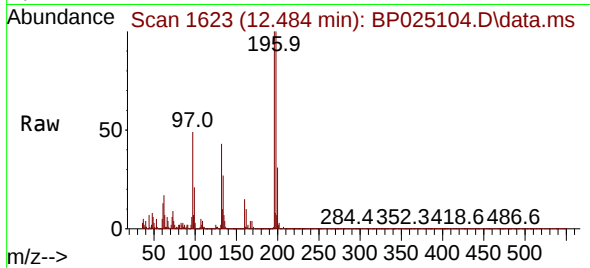




#43
2,4,6-Trichlorophenol
Concen: 8.241 ng
RT: 12.484 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

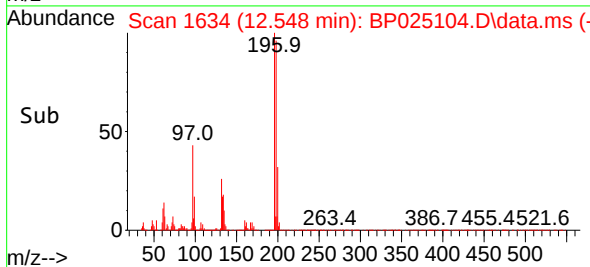
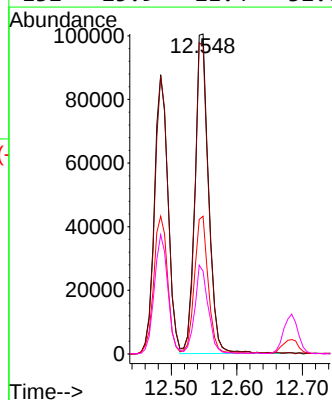
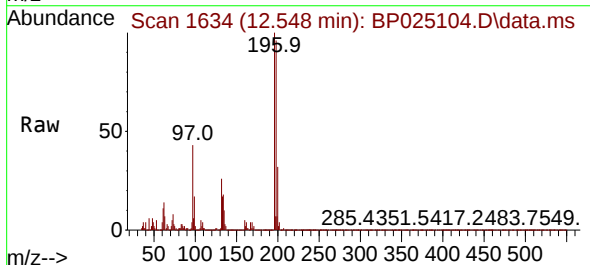
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

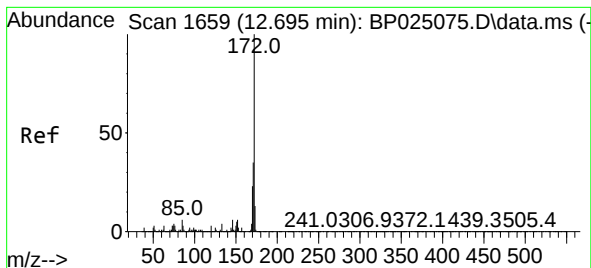
Tgt Ion:196 Resp: 126927
Ion Ratio Lower Upper
196 100
198 99.6 76.2 114.2
200 31.2 24.3 36.5



#44
2,4,5-Trichlorophenol
Concen: 8.352 ng
RT: 12.548 min Scan# 1634
Delta R.T. -0.006 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

Tgt Ion:196 Resp: 145788
Ion Ratio Lower Upper
196 100
198 96.3 76.6 115.0
97 43.0 36.6 55.0
132 25.9 21.4 32.0





#45

2-Fluorobiphenyl

Concen: 78.299 ng

RT: 12.684 min Scan# 1657

Delta R.T. -0.012 min

Lab File: BP025104.D

Acq: 11 Jul 2025 15:00

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

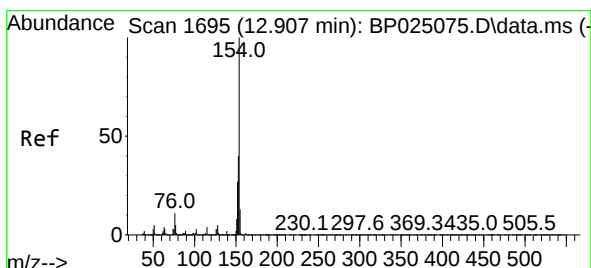
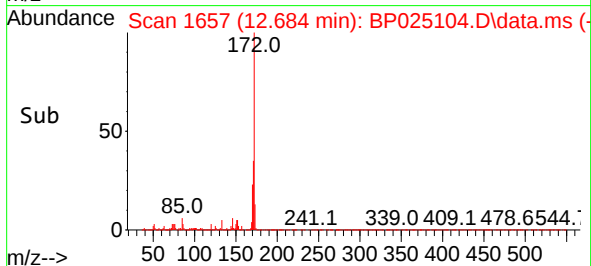
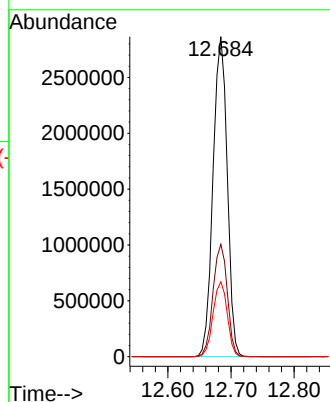
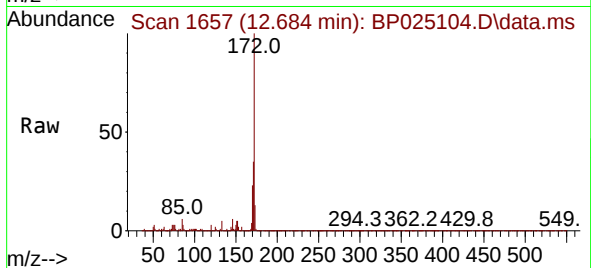
Tgt Ion:172 Resp: 4473408

Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.2

170 23.4 18.7 28.1



#46

1,1'-Biphenyl

Concen: 8.401 ng

RT: 12.895 min Scan# 1693

Delta R.T. -0.012 min

Lab File: BP025104.D

Acq: 11 Jul 2025 15:00

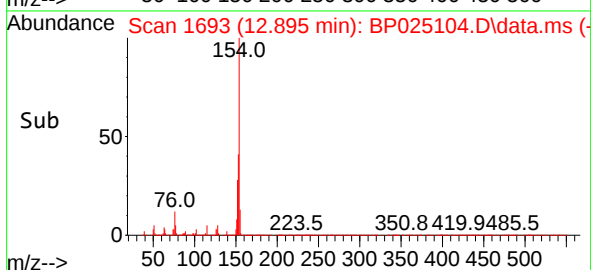
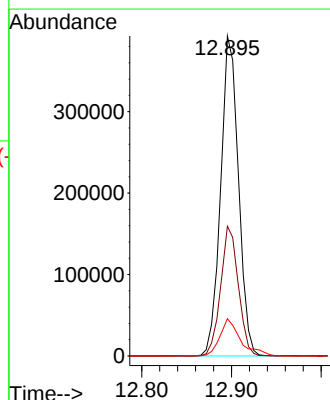
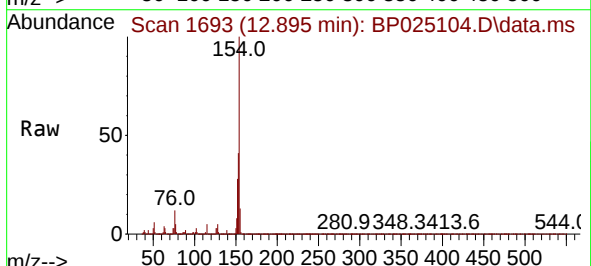
Tgt Ion:154 Resp: 540976

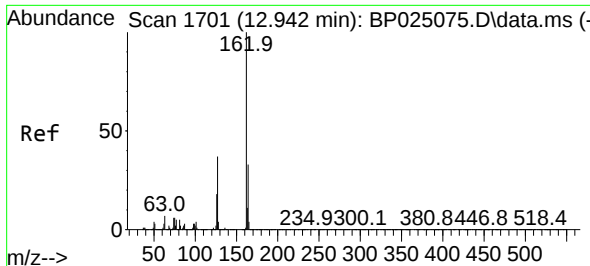
Ion Ratio Lower Upper

154 100

153 40.6 20.2 60.2

76 11.7 0.0 31.5

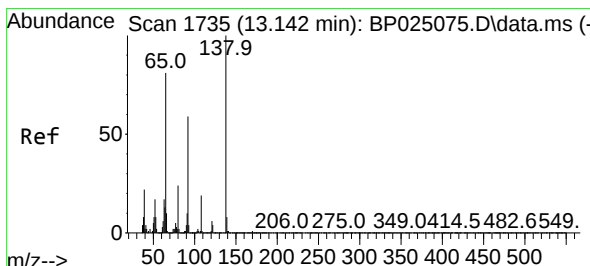
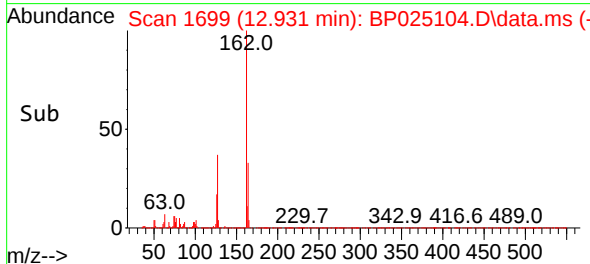
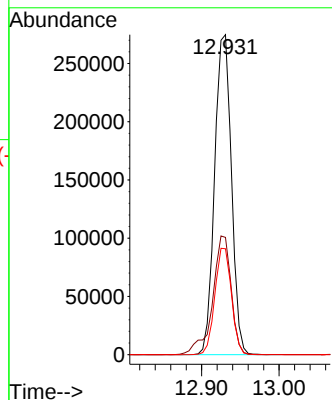
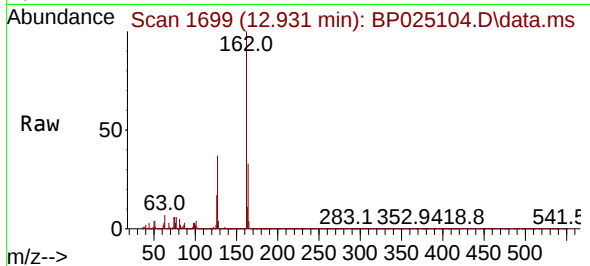




#47
2-Chloronaphthalene
Concen: 8.574 ng
RT: 12.931 min Scan# 1699
Delta R.T. -0.012 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

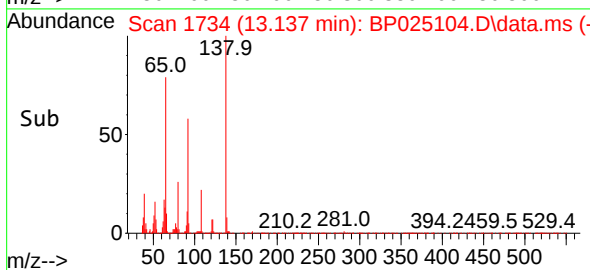
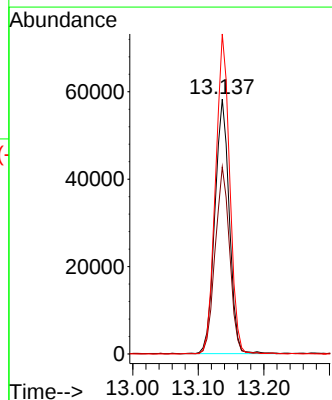
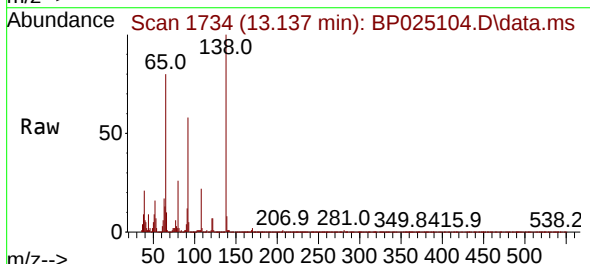
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT2-2025

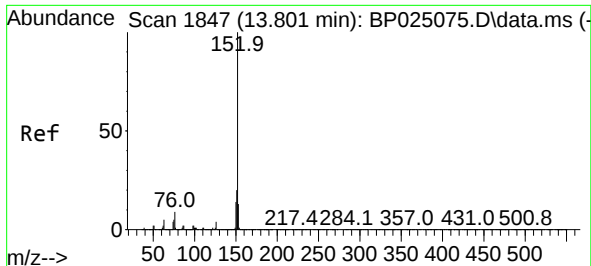
Tgt Ion:162 Resp: 414995
Ion Ratio Lower Upper
162 100
127 36.6 29.4 44.2
164 33.1 26.4 39.6



#48
2-Nitroaniline
Concen: 9.834 ng
RT: 13.137 min Scan# 1734
Delta R.T. -0.005 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

Tgt Ion: 65 Resp: 88943
Ion Ratio Lower Upper
65 100
92 73.4 58.7 88.1
138 125.5 99.0 148.4

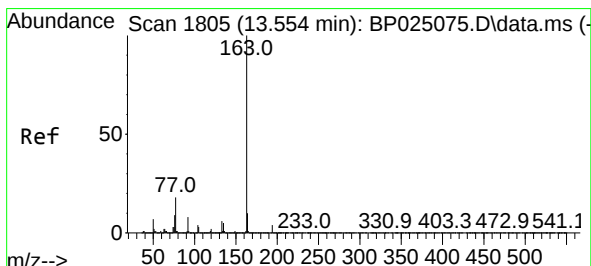
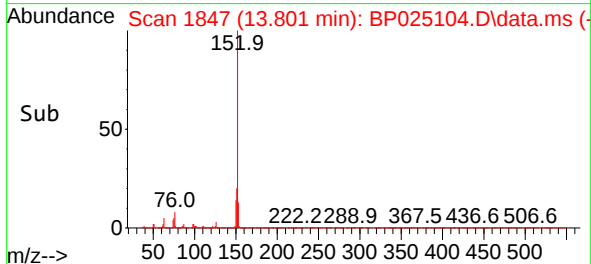
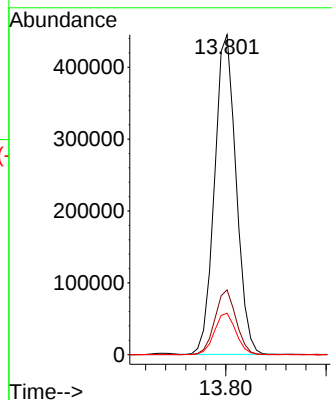
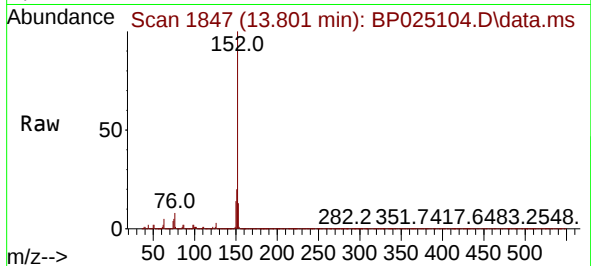




#49
Acenaphthylene
Concen: 8.969 ng
RT: 13.801 min Scan# 1847
Delta R.T. 0.000 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

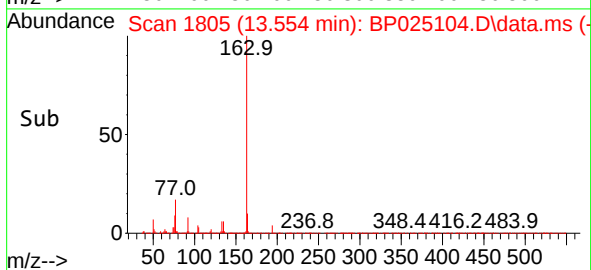
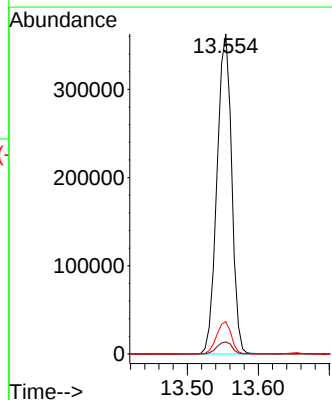
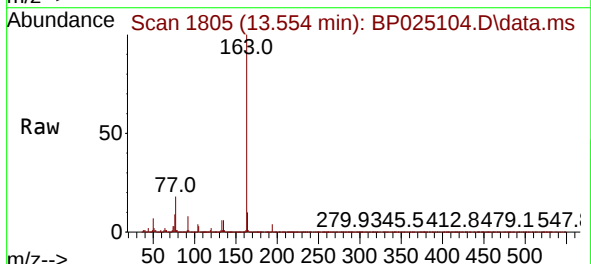
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

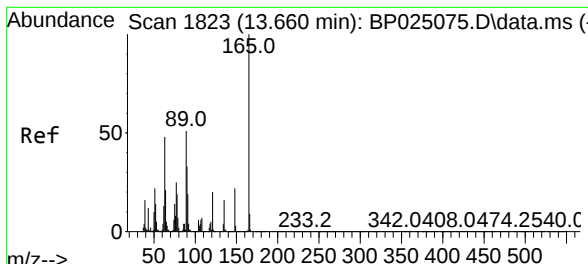
Tgt Ion:152 Resp: 664414
Ion Ratio Lower Upper
152 100
151 20.3 16.1 24.1
153 13.0 10.7 16.1



#50
Dimethylphthalate
Concen: 8.368 ng
RT: 13.554 min Scan# 1805
Delta R.T. 0.000 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

Tgt Ion:163 Resp: 518448
Ion Ratio Lower Upper
163 100
194 3.7 3.4 5.0
164 10.1 8.0 12.0

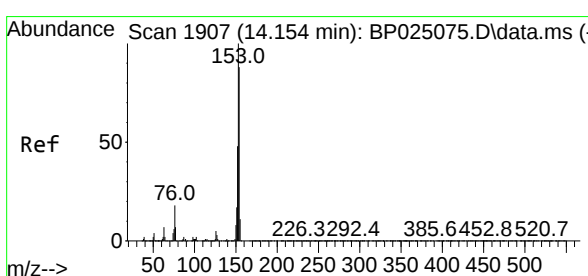
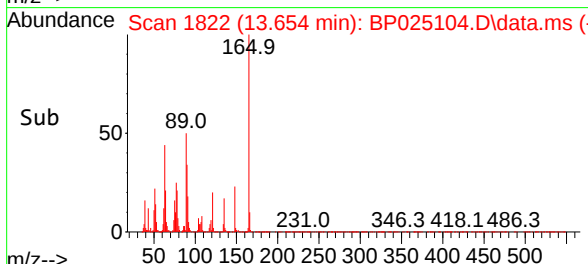
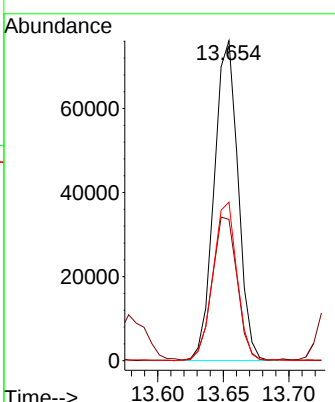
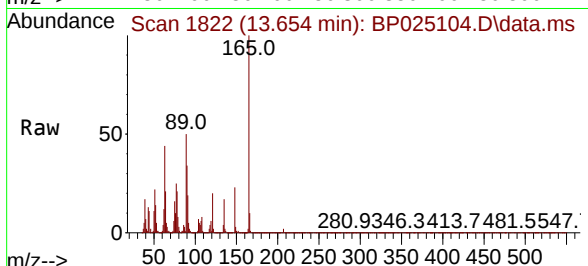




#51
 2,6-Dinitrotoluene
 Concen: 7.984 ng
 RT: 13.654 min Scan# 1822
 Delta R.T. -0.006 min
 Lab File: BP025104.D
 Acq: 11 Jul 2025 15:00

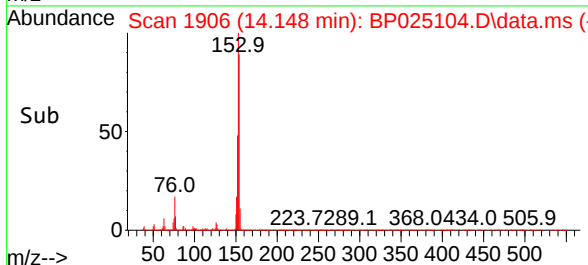
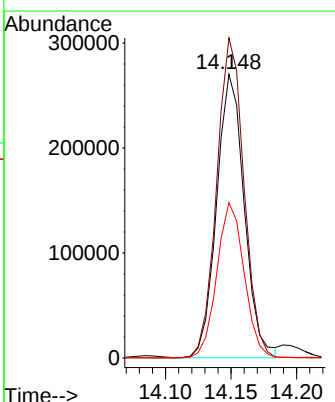
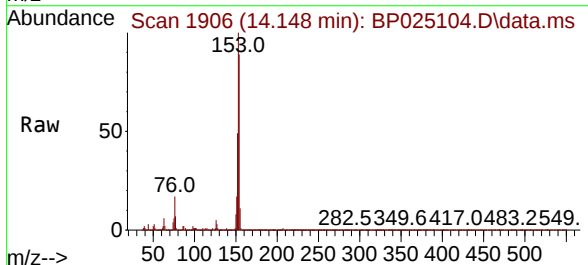
Instrument : BNA_P
 ClientSampleId : LOQ-SOIL-02-QT2-2025

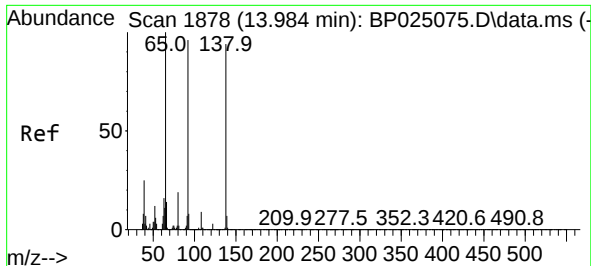
Tgt Ion:	165	Resp:	96473
Ion Ratio	Lower	Upper	
165	100		
63	44.2	38.5	57.7
89	49.5	40.6	61.0



#52
 Acenaphthene
 Concen: 8.288 ng
 RT: 14.148 min Scan# 1906
 Delta R.T. -0.006 min
 Lab File: BP025104.D
 Acq: 11 Jul 2025 15:00

Tgt Ion:	154	Resp:	395745
Ion Ratio	Lower	Upper	
154	100		
153	112.8	90.6	136.0
152	54.8	43.8	65.8

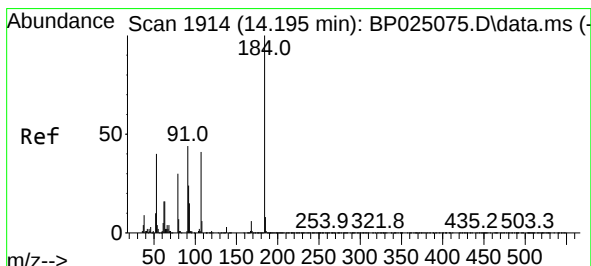
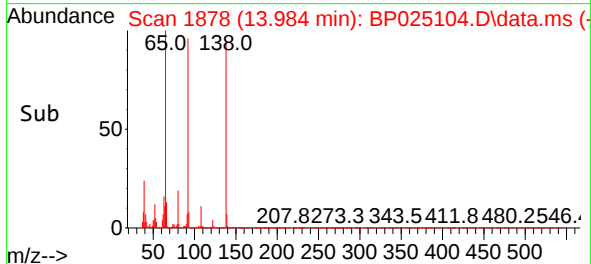
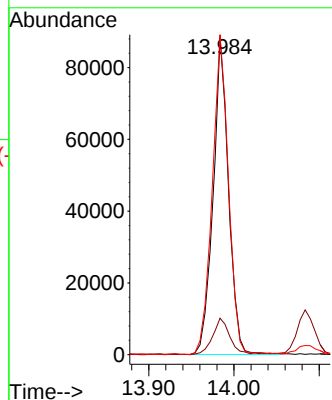
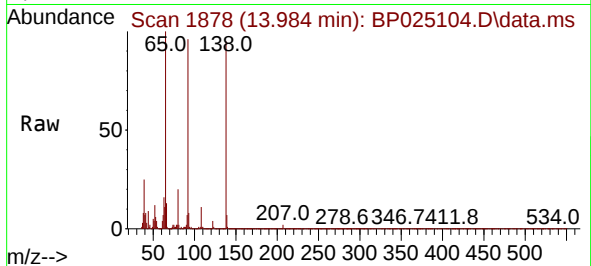




#53
3-Nitroaniline
Concen: 8.560 ng
RT: 13.984 min Scan# 1878
Delta R.T. 0.000 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

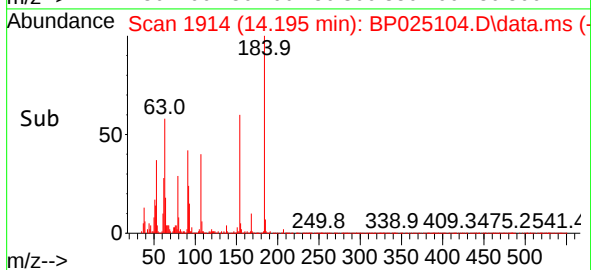
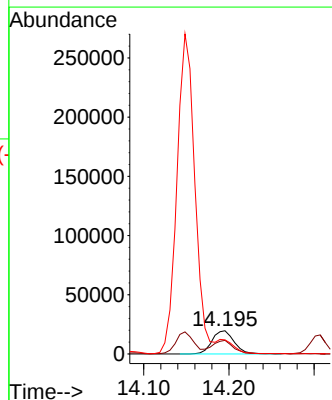
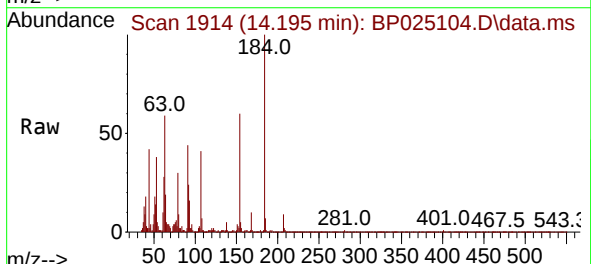
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

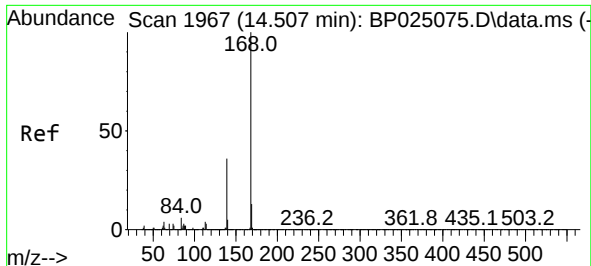
Tgt Ion:138 Resp: 110841
Ion Ratio Lower Upper
138 100
108 11.5 7.8 11.8
92 100.8 81.0 121.4



#54
2,4-Dinitrophenol
Concen: 10.986 ng
RT: 14.195 min Scan# 1914
Delta R.T. 0.000 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

Tgt Ion:184 Resp: 35462
Ion Ratio Lower Upper
184 100
63 58.7 47.4 71.0
154 60.4 47.8 71.8

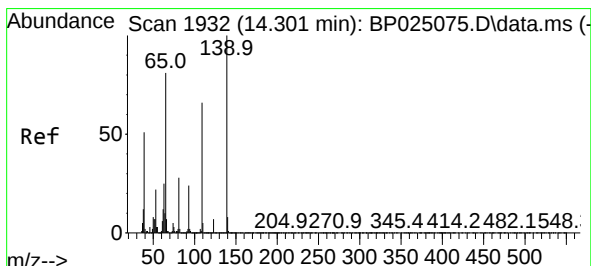
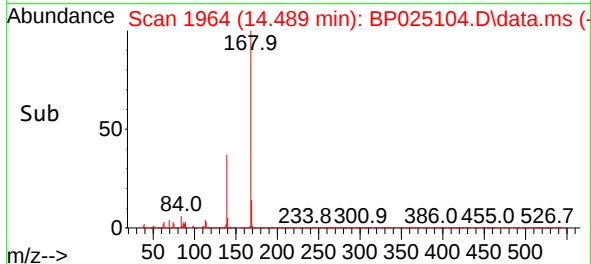
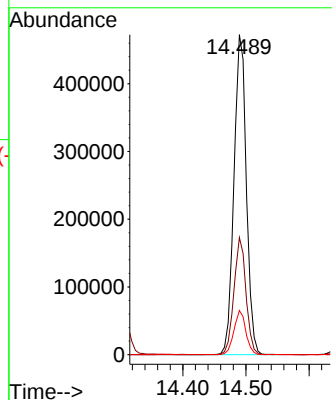
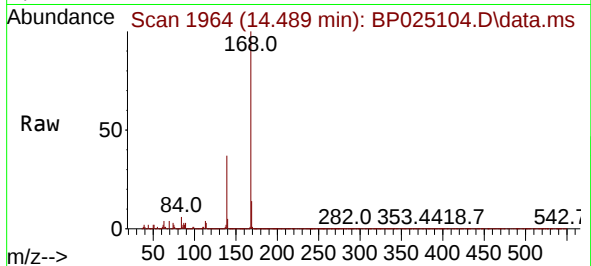




#55
Dibenzenofuran
Concen: 8.146 ng
RT: 14.489 min Scan# 1964
Delta R.T. -0.018 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

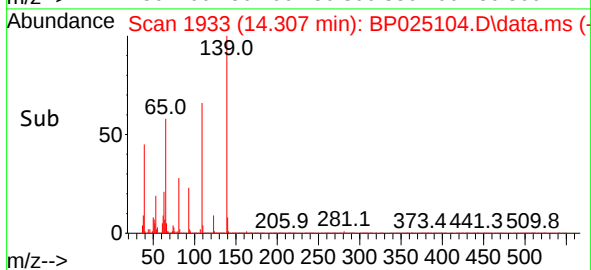
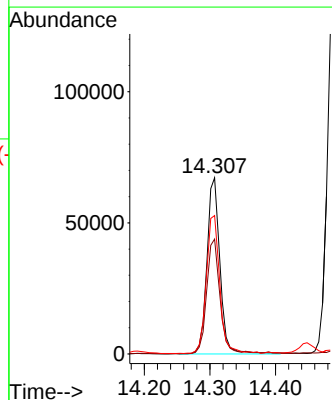
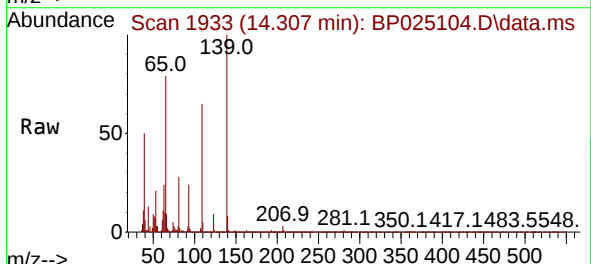
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

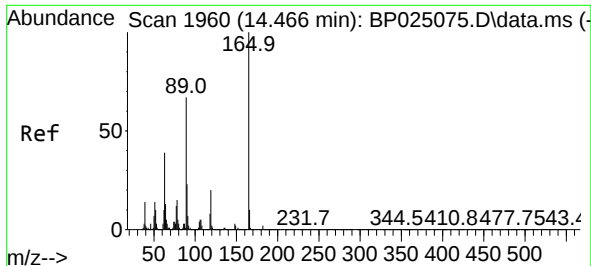
Tgt Ion:168 Resp: 641853
Ion Ratio Lower Upper
168 100
139 36.6 28.6 43.0
169 13.8 10.7 16.1



#56
4-Nitrophenol
Concen: 7.771 ng
RT: 14.307 min Scan# 1933
Delta R.T. 0.006 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

Tgt Ion:139 Resp: 92860
Ion Ratio Lower Upper
139 100
109 65.2 45.9 85.9
65 78.5 61.4 101.4

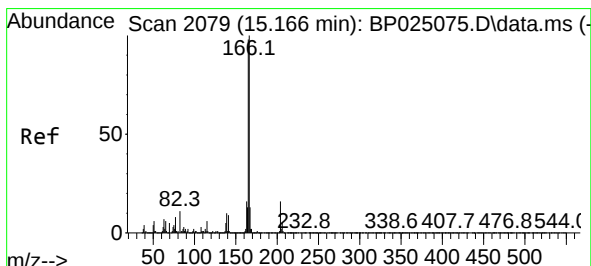
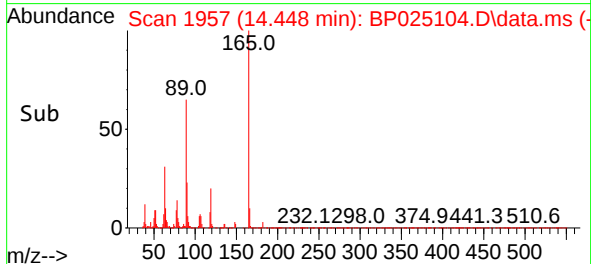
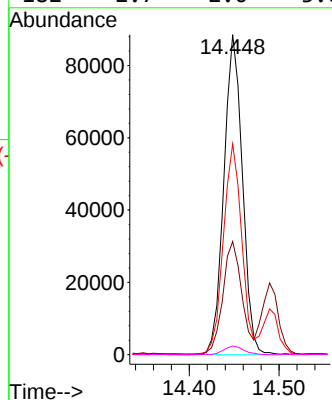
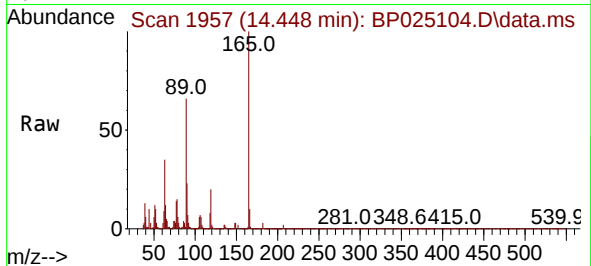




#57
2,4-Dinitrotoluene
Concen: 9.404 ng
RT: 14.448 min Scan# 1957
Delta R.T. -0.018 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

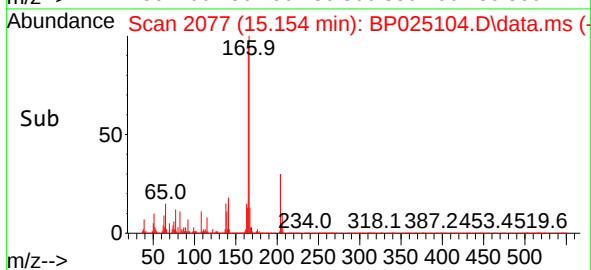
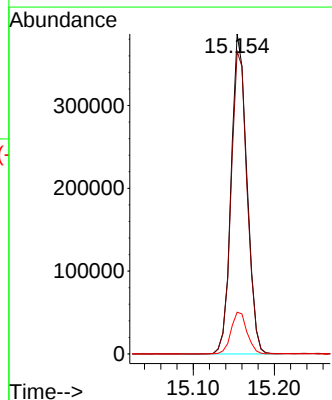
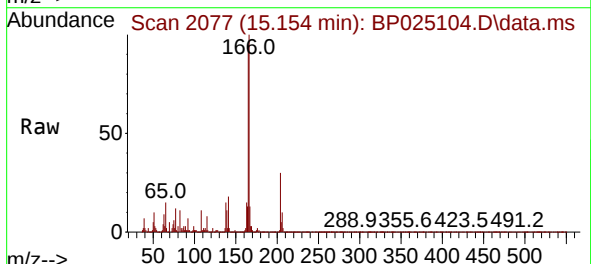
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

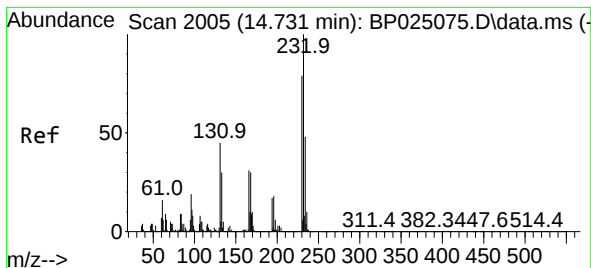
Tgt Ion:	165	Resp:	126985
Ion	Ratio	Lower	Upper
165	100		
63	35.4	31.0	46.4
89	65.9	53.4	80.0
182	2.7	2.0	3.0



#58
Fluorene
Concen: 8.515 ng
RT: 15.154 min Scan# 2077
Delta R.T. -0.012 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

Tgt Ion:	166	Resp:	519002
Ion	Ratio	Lower	Upper
166	100		
165	94.6	78.6	117.8
167	13.1	10.7	16.1

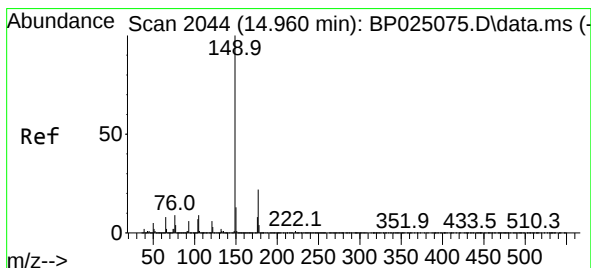
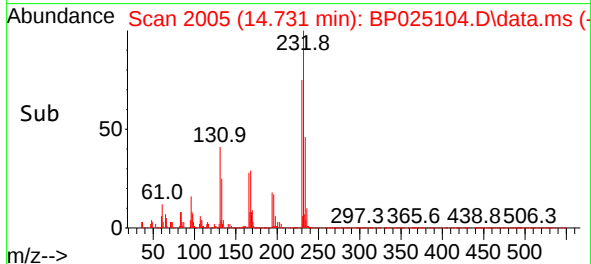
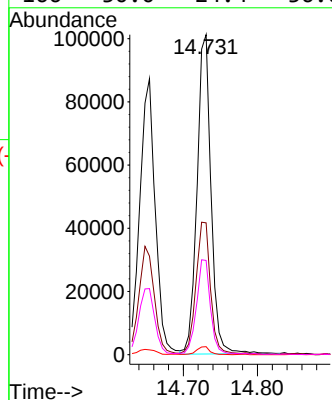
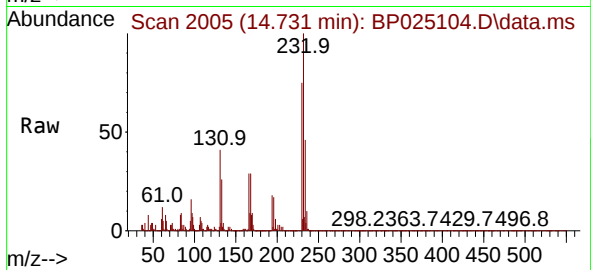




#59
2,3,4,6-Tetrachlorophenol
Concen: 8.367 ng
RT: 14.731 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

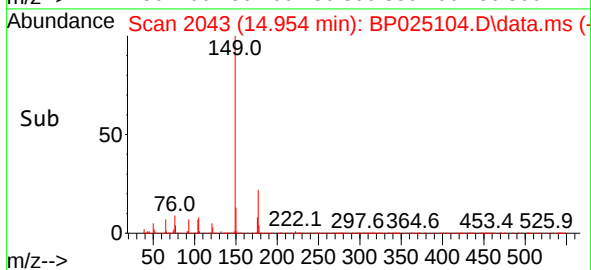
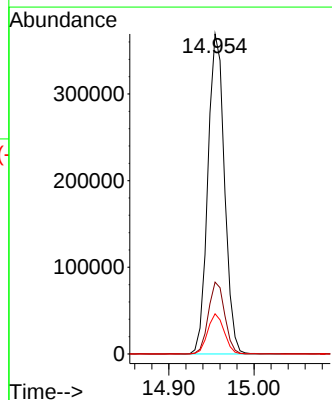
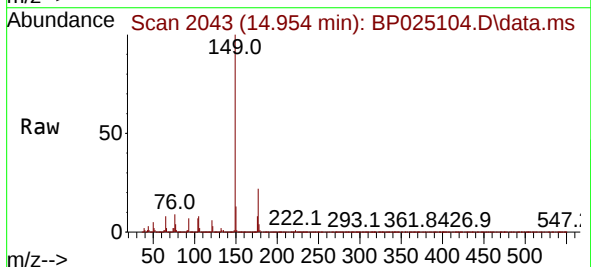
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

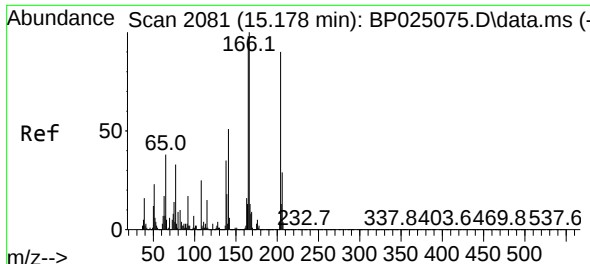
Tgt Ion:232 Resp: 132264
Ion Ratio Lower Upper
232 100
131 43.0 35.7 53.5
130 2.3 1.8 2.6
166 30.0 24.4 36.6



#60
Diethylphthalate
Concen: 8.030 ng
RT: 14.954 min Scan# 2043
Delta R.T. -0.006 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

Tgt Ion:149 Resp: 499695
Ion Ratio Lower Upper
149 100
177 22.4 17.8 26.8
150 12.6 10.2 15.2

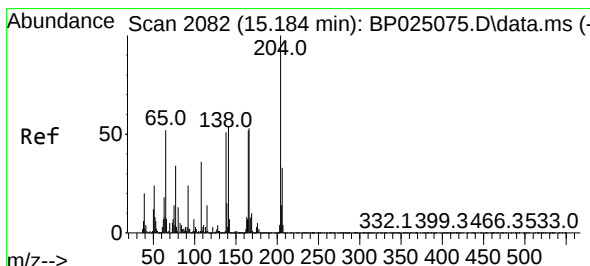
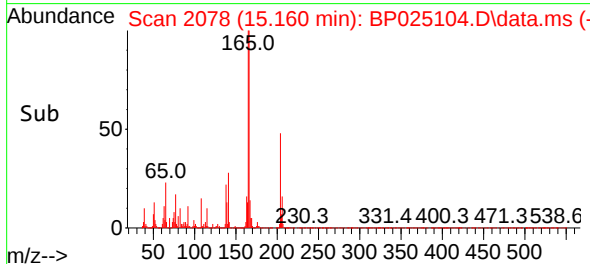
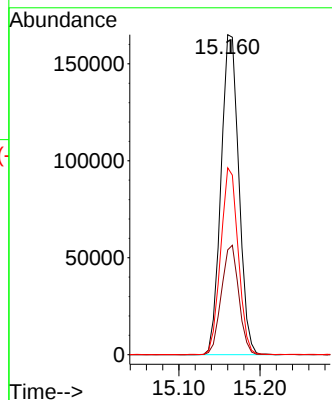
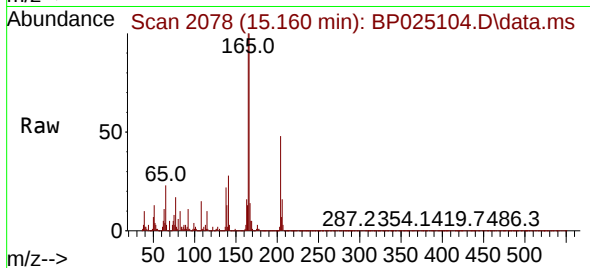




#61
4-Chlorophenyl-phenylether
Concen: 8.364 ng
RT: 15.160 min Scan# 2081
Delta R.T. -0.018 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

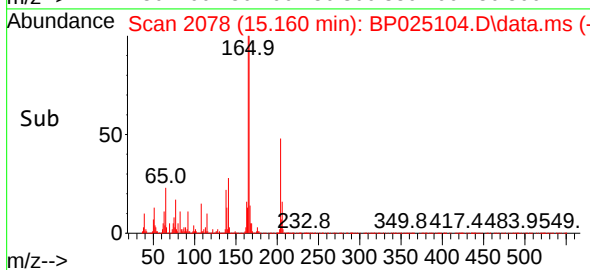
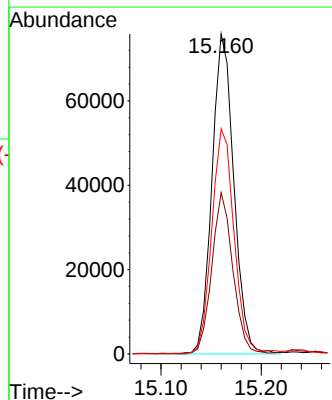
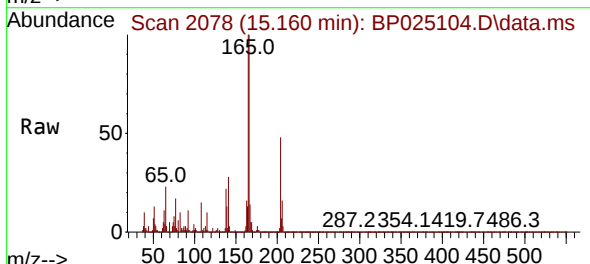
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

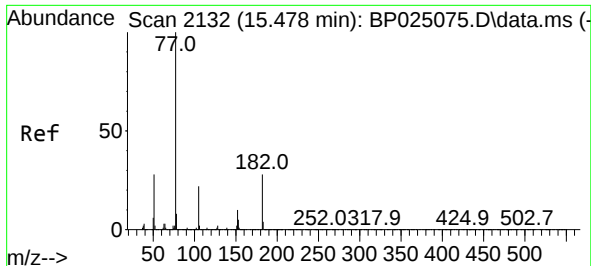
Tgt Ion:204 Resp: 252290
Ion Ratio Lower Upper
204 100
206 32.8 25.8 38.6
141 58.4 45.1 67.7



#62
4-Nitroaniline
Concen: 8.452 ng
RT: 15.160 min Scan# 2078
Delta R.T. -0.023 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

Tgt Ion:138 Resp: 114765
Ion Ratio Lower Upper
138 100
92 50.4 26.0 66.0
108 70.4 50.0 90.0

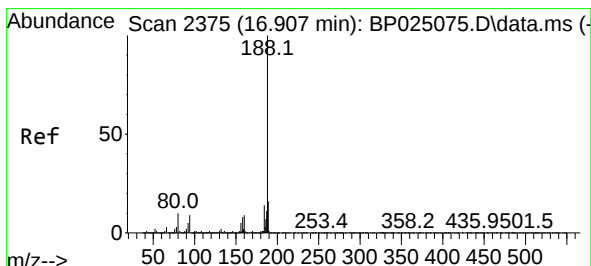
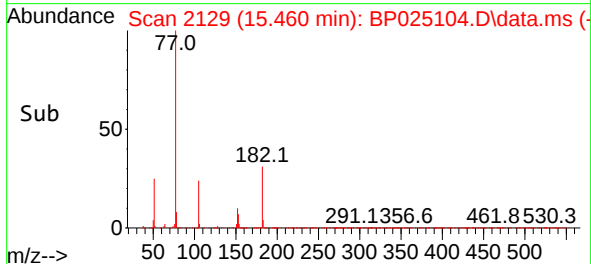
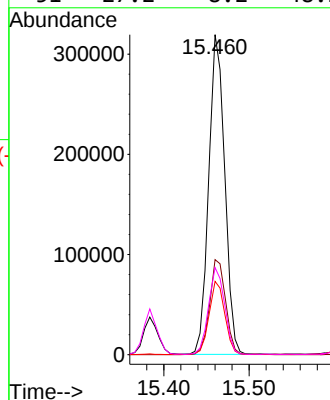
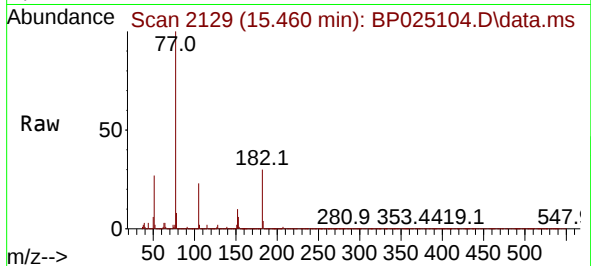




#63
Azobenzene
Concen: 7.519 ng
RT: 15.460 min Scan# 2132
Delta R.T. -0.018 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

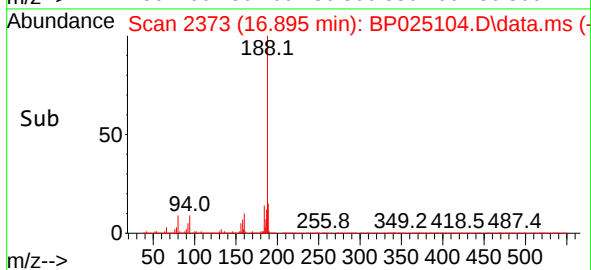
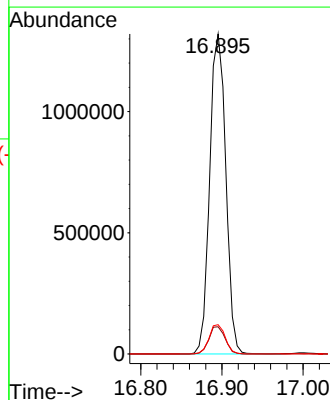
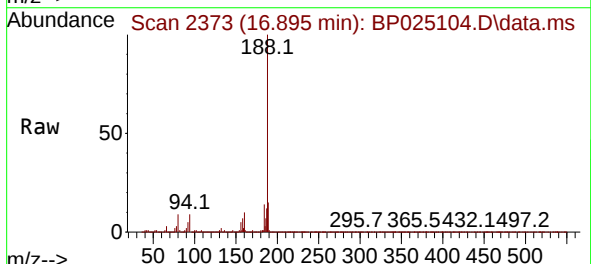
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

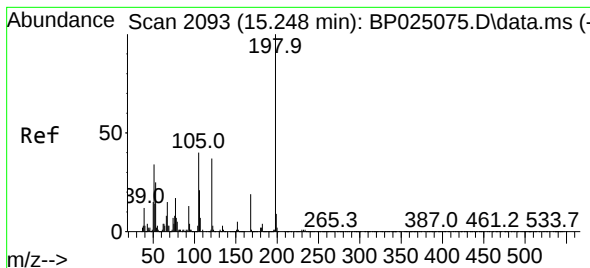
Tgt Ion: 77	Resp: 416613
Ion Ratio	Lower Upper
77 100	
182 29.7	7.7 47.7
105 22.9	1.9 41.9
51 27.2	8.2 48.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.895 min Scan# 2373
Delta R.T. -0.012 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

Tgt Ion:188	Resp: 1814460		
Ion Ratio	Lower	Upper	
188 100			
94 8.5	7.3	10.9	
80 9.1	7.8	11.6	

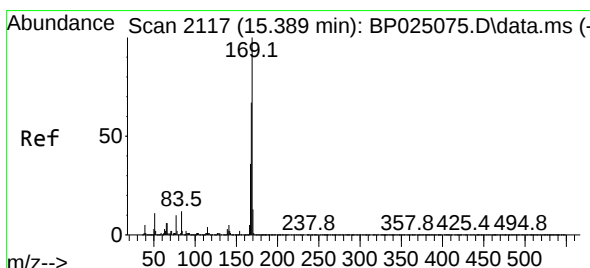
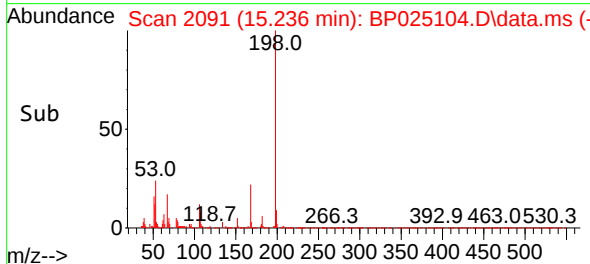
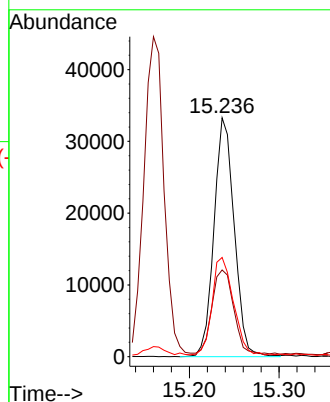
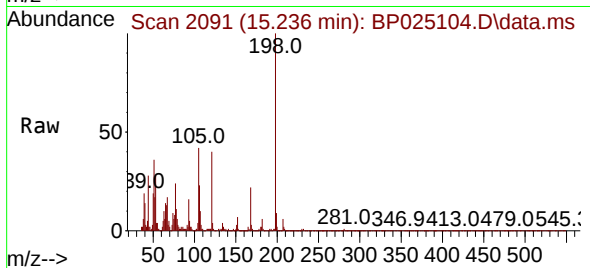




#65
4,6-Dinitro-2-methylphenol
Concen: 11.160 ng
RT: 15.236 min Scan# 2091
Delta R.T. -0.012 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

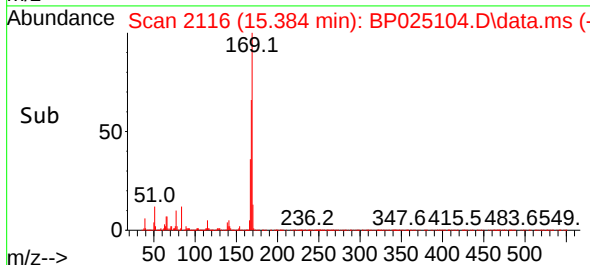
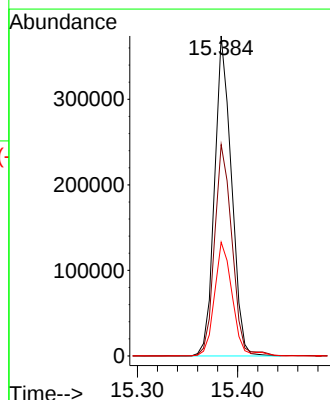
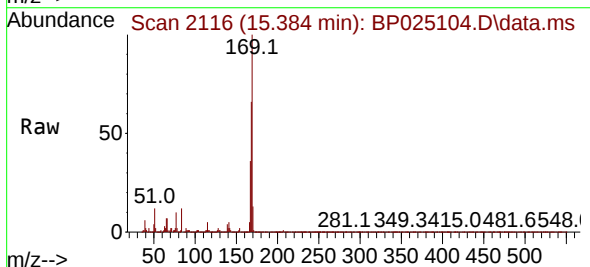
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

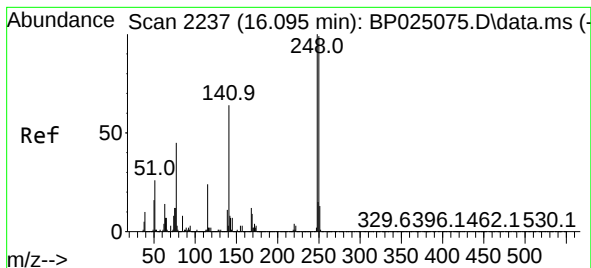
Tgt Ion:198 Resp: 52149
Ion Ratio Lower Upper
198 100
51 36.3 16.8 56.8
105 41.6 20.8 60.8



#66
n-Nitrosodiphenylamine
Concen: 8.396 ng
RT: 15.384 min Scan# 2116
Delta R.T. -0.006 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

Tgt Ion:169 Resp: 435994
Ion Ratio Lower Upper
169 100
168 66.0 54.1 81.1
167 35.5 29.0 43.6

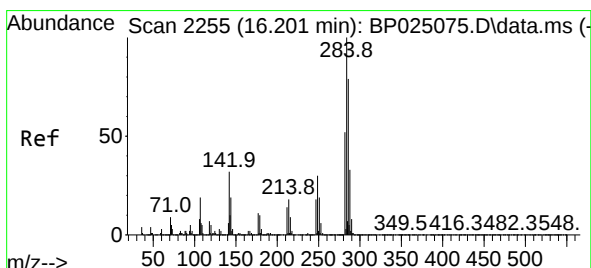
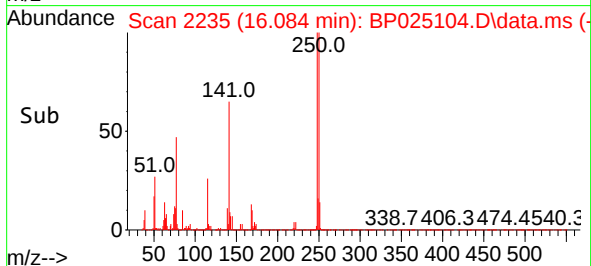
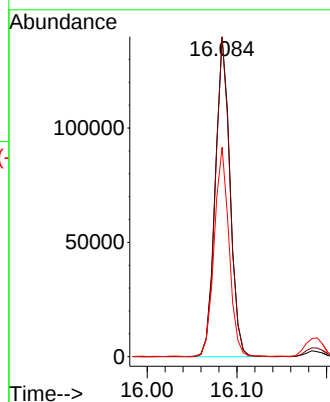
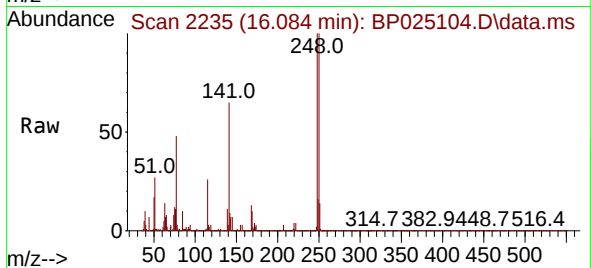




#67
4-Bromophenyl-phenylether
Concen: 8.589 ng
RT: 16.084 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

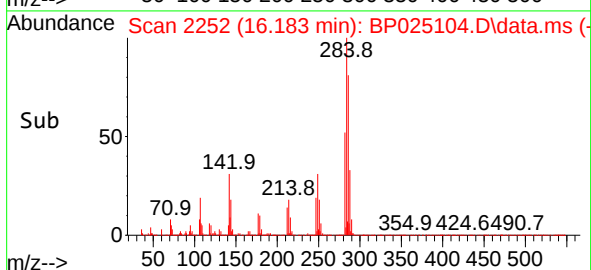
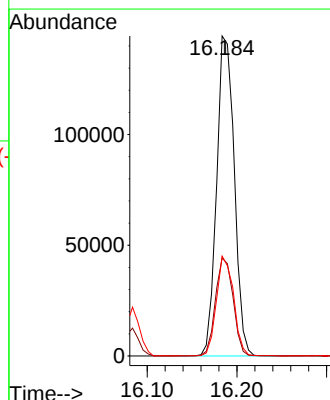
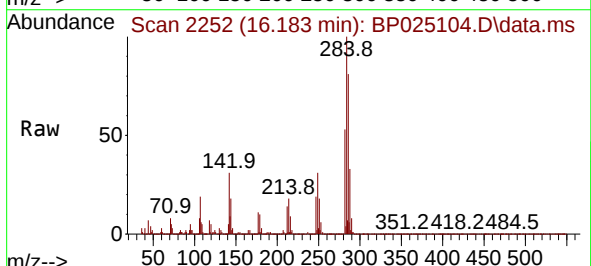
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

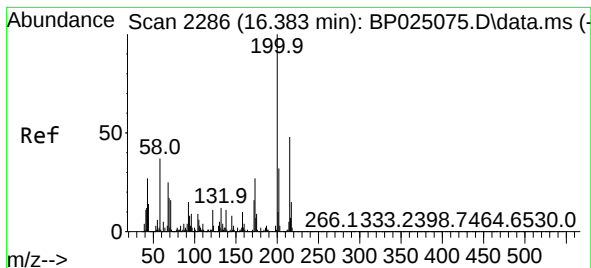
Tgt Ion:248 Resp: 159562
Ion Ratio Lower Upper
248 100
250 100.3 79.4 119.2
141 65.6 51.4 77.0



#68
Hexachlorobenzene
Concen: 8.699 ng
RT: 16.183 min Scan# 2252
Delta R.T. -0.018 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

Tgt Ion:284 Resp: 197532
Ion Ratio Lower Upper
284 100
142 30.6 25.9 38.9
249 31.2 23.8 35.8





#69

Atrazine

Concen: 10.128 ng

RT: 16.378 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025104.D

Acq: 11 Jul 2025 15:00

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

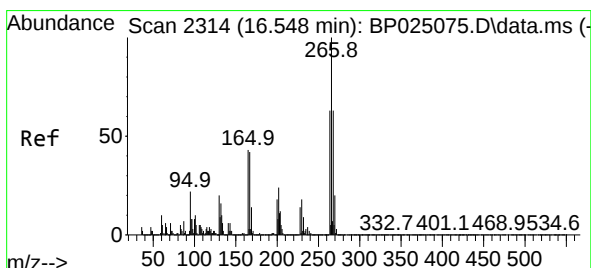
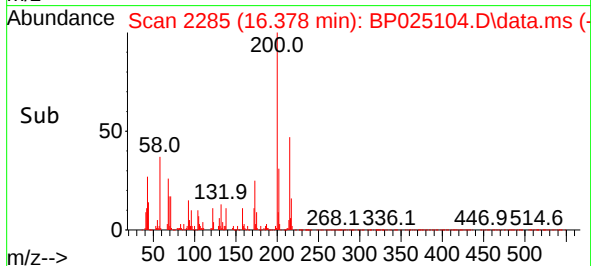
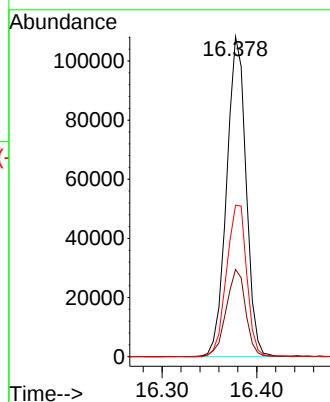
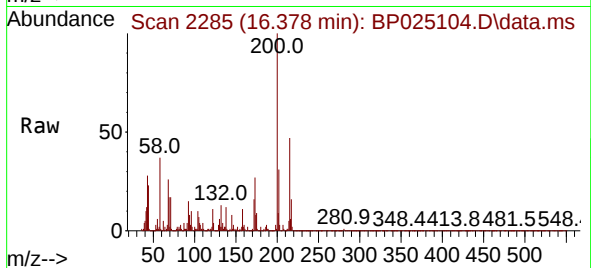
Tgt Ion:200 Resp: 154112

Ion Ratio Lower Upper

200 100

173 27.3 6.6 46.6

215 47.4 28.0 68.0



#70

Pentachlorophenol

Concen: 7.271 ng

RT: 16.542 min Scan# 2313

Delta R.T. -0.006 min

Lab File: BP025104.D

Acq: 11 Jul 2025 15:00

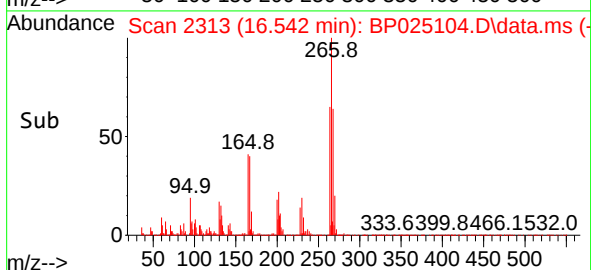
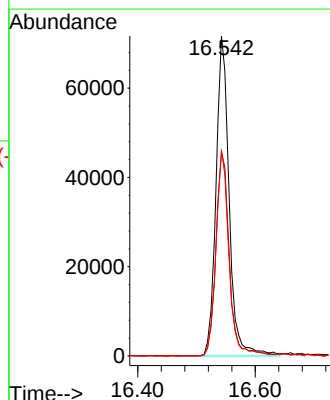
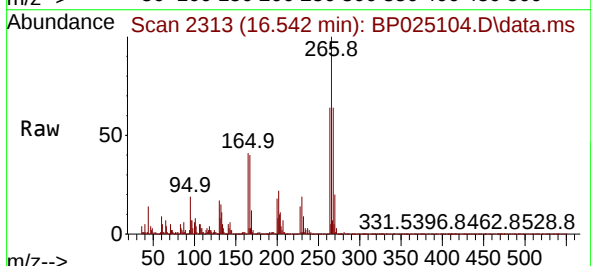
Tgt Ion:266 Resp: 111512

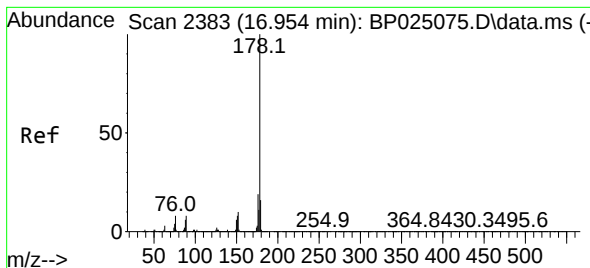
Ion Ratio Lower Upper

266 100

268 63.7 50.4 75.6

264 64.5 50.2 75.2





#71

Phenanthrene

Concen: 8.574 ng

RT: 16.936 min Scan# 21

Delta R.T. -0.018 min

Lab File: BP025104.D

Acq: 11 Jul 2025 15:00

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

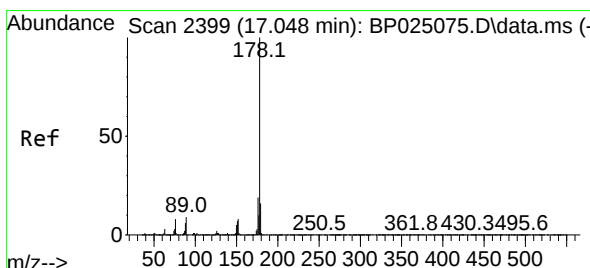
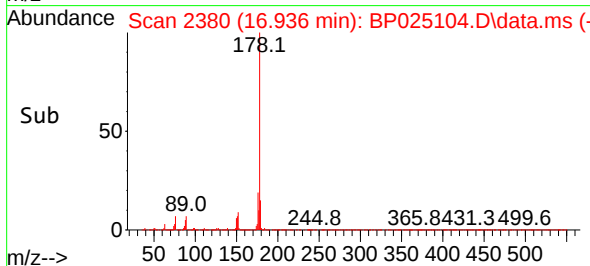
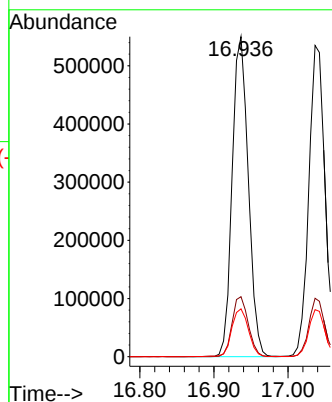
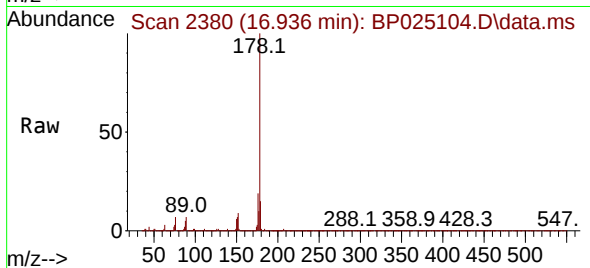
Tgt Ion:178 Resp: 831297

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.2

179 14.9 12.6 19.0



#72

Anthracene

Concen: 8.754 ng

RT: 17.036 min Scan# 2397

Delta R.T. -0.012 min

Lab File: BP025104.D

Acq: 11 Jul 2025 15:00

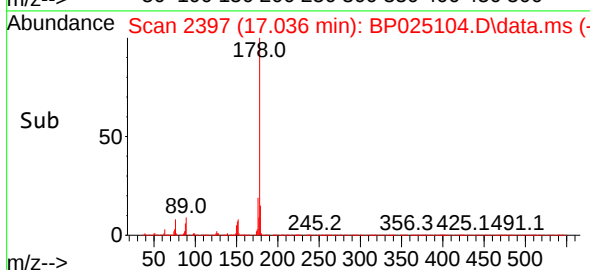
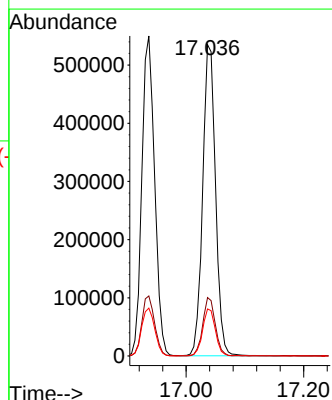
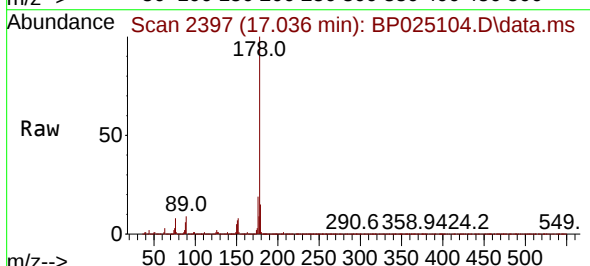
Tgt Ion:178 Resp: 814292

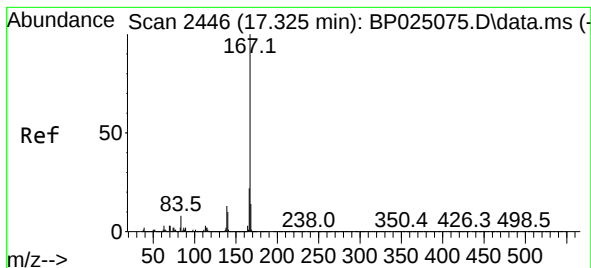
Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.6

179 15.1 12.5 18.7





#73

Carbazole

Concen: 8.524 ng

RT: 17.313 min Scan# 2444

Delta R.T. -0.012 min

Lab File: BP025104.D

Acq: 11 Jul 2025 15:00

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

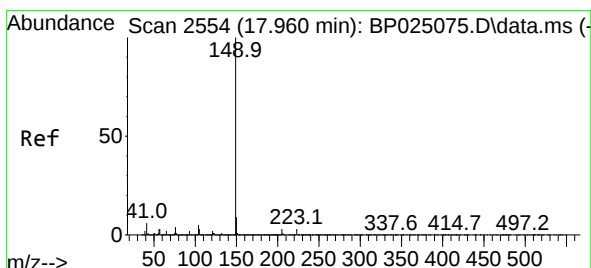
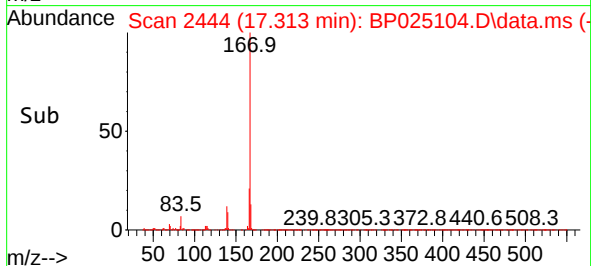
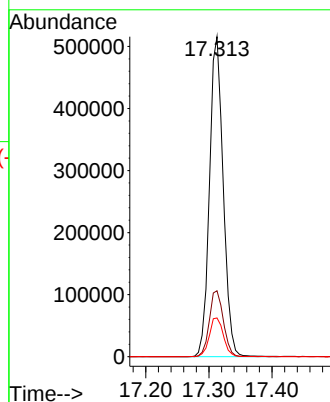
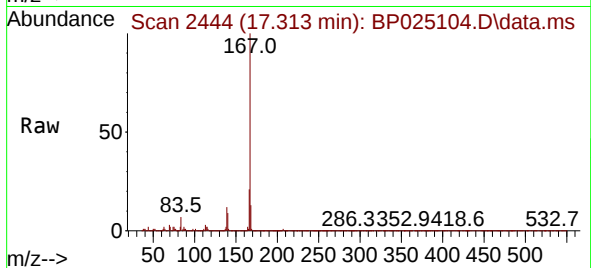
Tgt Ion:167 Resp: 775256

Ion Ratio Lower Upper

167 100

166 20.6 17.4 26.0

139 12.1 10.4 15.6



#74

Di-n-butylphthalate

Concen: 8.081 ng

RT: 17.954 min Scan# 2553

Delta R.T. -0.006 min

Lab File: BP025104.D

Acq: 11 Jul 2025 15:00

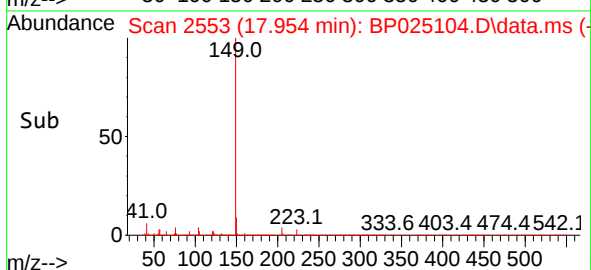
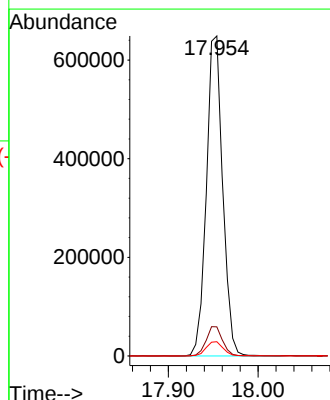
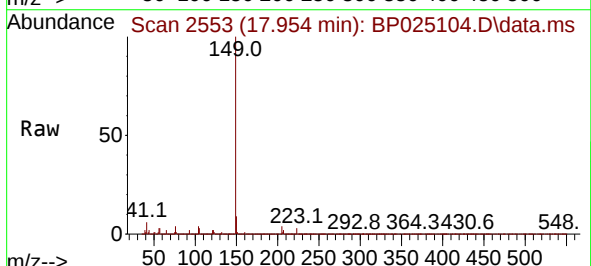
Tgt Ion:149 Resp: 818442

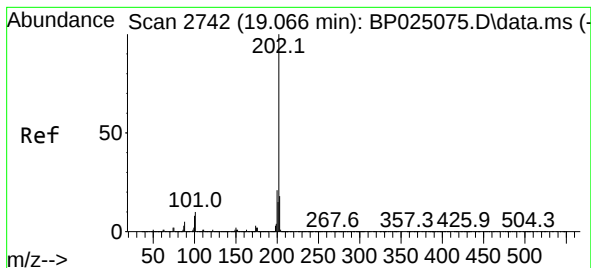
Ion Ratio Lower Upper

149 100

150 9.1 7.3 10.9

104 4.4 3.8 5.6





#75

Fluoranthene

Concen: 8.343 ng

RT: 19.042 min Scan# 21

Delta R.T. -0.023 min

Lab File: BP025104.D

Acq: 11 Jul 2025 15:00

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

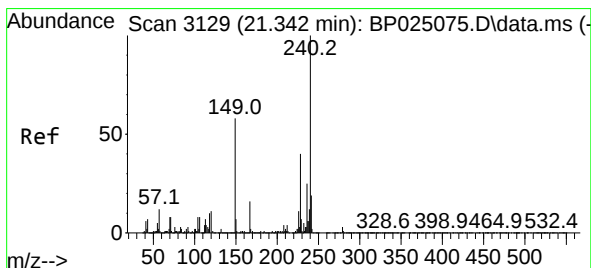
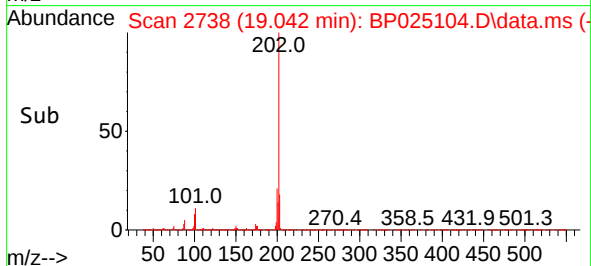
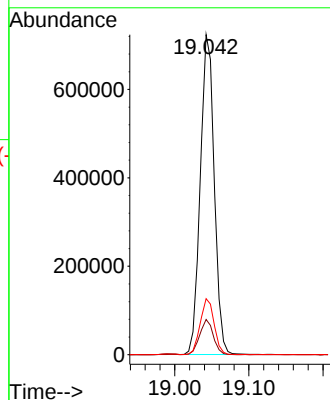
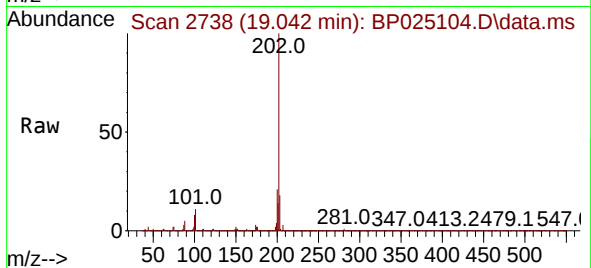
Tgt Ion:202 Resp: 945525

Ion Ratio Lower Upper

202 100

101 11.0 0.0 30.4

203 17.5 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.330 min Scan# 3127

Delta R.T. -0.012 min

Lab File: BP025104.D

Acq: 11 Jul 2025 15:00

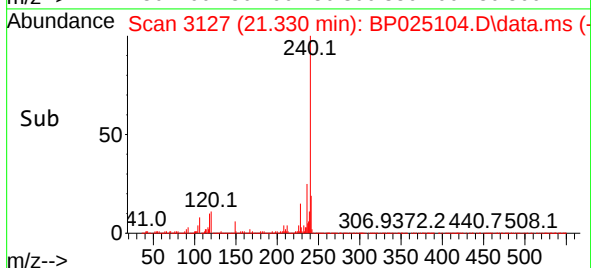
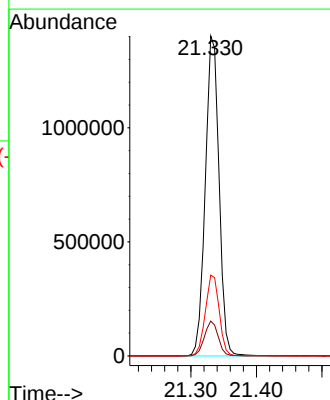
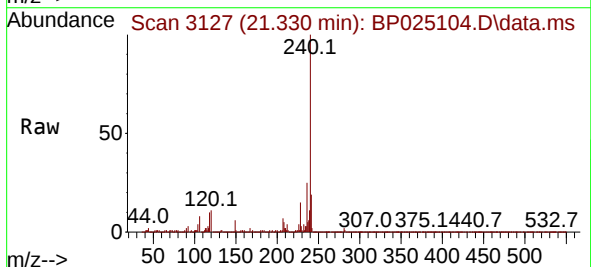
Tgt Ion:240 Resp: 2050618

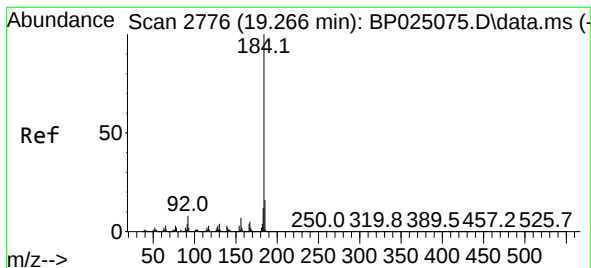
Ion Ratio Lower Upper

240 100

120 10.9 9.0 13.4

236 25.2 20.3 30.5





#77

Benzidine

Concen: 11.910 ng

RT: 19.248 min Scan# 2773

Delta R.T. -0.018 min

Lab File: BP025104.D

Acq: 11 Jul 2025 15:00

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

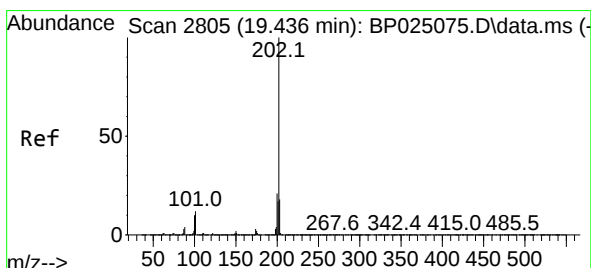
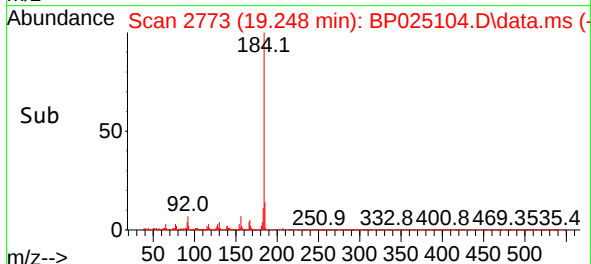
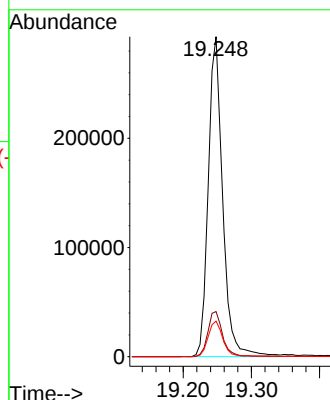
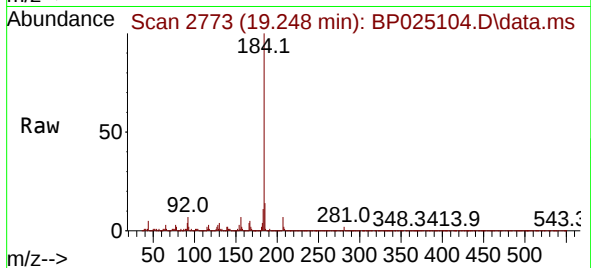
Tgt Ion:184 Resp: 431336

Ion Ratio Lower Upper

184 100

185 14.1 12.6 18.8

183 11.1 9.4 14.2



#78

Pyrene

Concen: 7.994 ng

RT: 19.419 min Scan# 2802

Delta R.T. -0.018 min

Lab File: BP025104.D

Acq: 11 Jul 2025 15:00

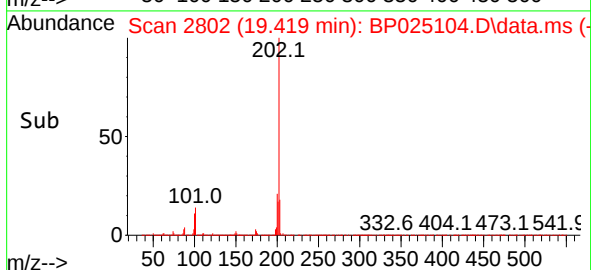
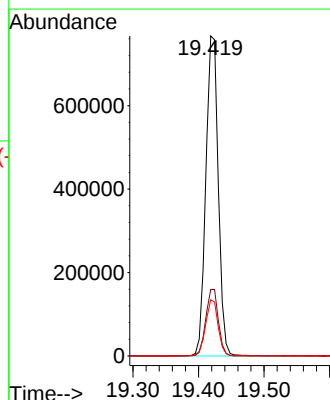
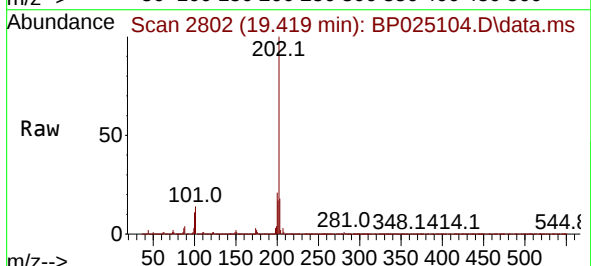
Tgt Ion:202 Resp: 1015384

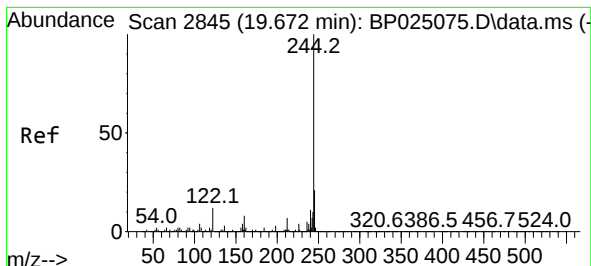
Ion Ratio Lower Upper

202 100

200 20.8 17.1 25.7

203 17.5 14.1 21.1





#79

Terphenyl-d14

Concen: 81.230 ng

RT: 19.666 min Scan# 2844

Delta R.T. -0.006 min

Lab File: BP025104.D

Acq: 11 Jul 2025 15:00

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

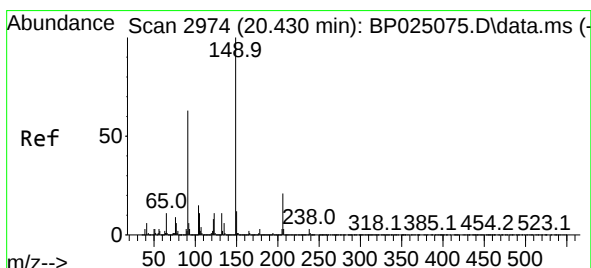
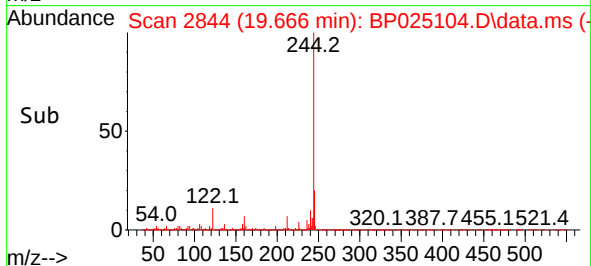
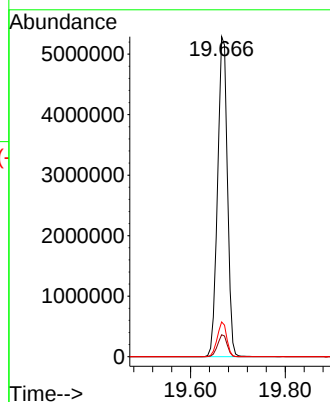
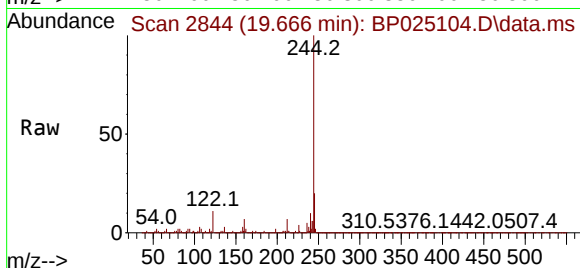
Tgt Ion:244 Resp: 7579089

Ion Ratio Lower Upper

244 100

212 6.8 5.9 8.9

122 10.8 9.4 14.2



#80

Butylbenzylphthalate

Concen: 10.447 ng

RT: 20.419 min Scan# 2972

Delta R.T. -0.011 min

Lab File: BP025104.D

Acq: 11 Jul 2025 15:00

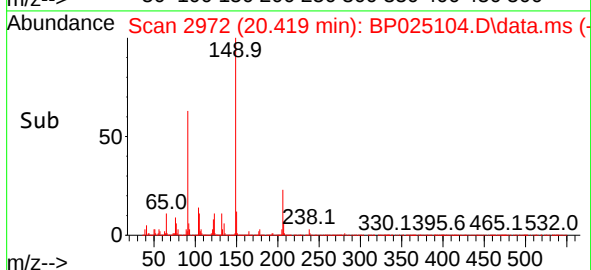
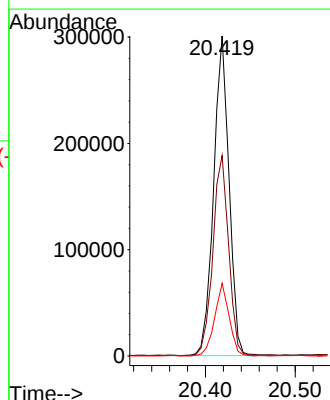
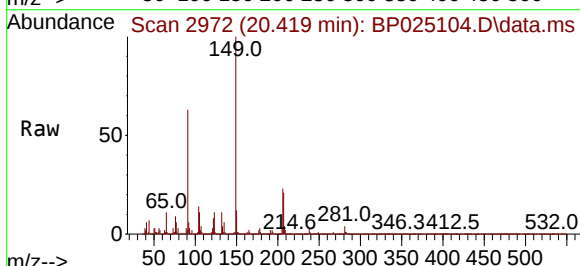
Tgt Ion:149 Resp: 358546

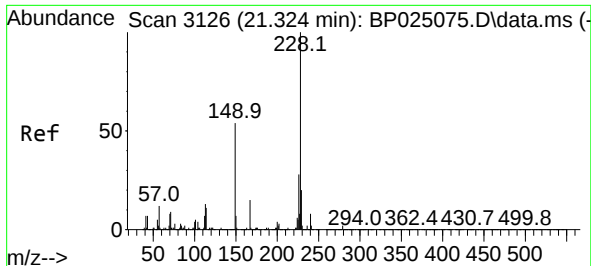
Ion Ratio Lower Upper

149 100

91 62.7 50.6 76.0

206 22.7 17.2 25.8

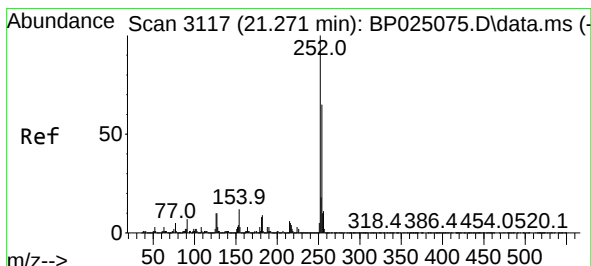
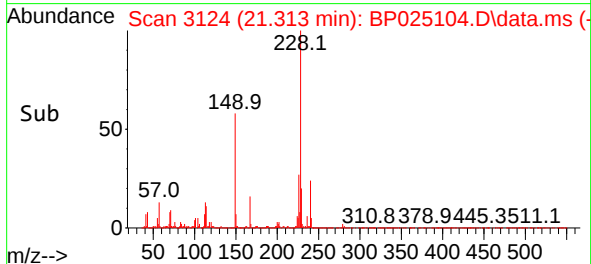
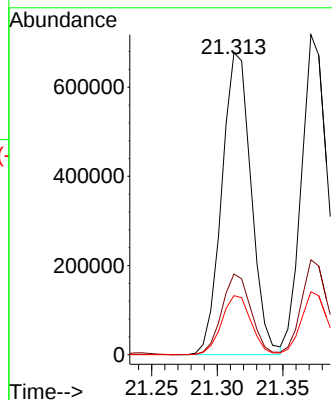
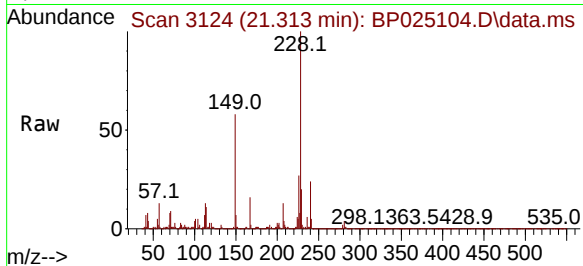




#81
Benzo(a)anthracene
Concen: 8.485 ng
RT: 21.313 min Scan# 3112
Delta R.T. -0.012 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

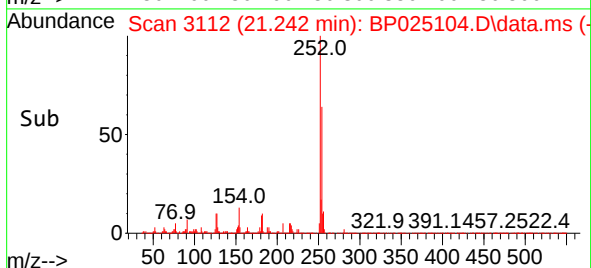
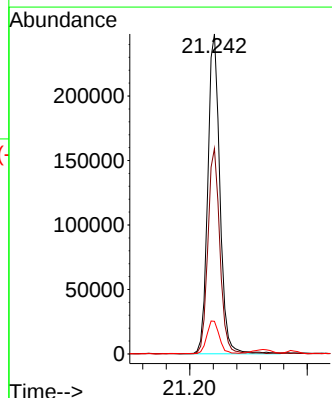
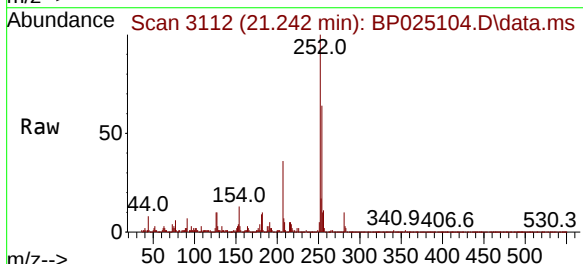
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

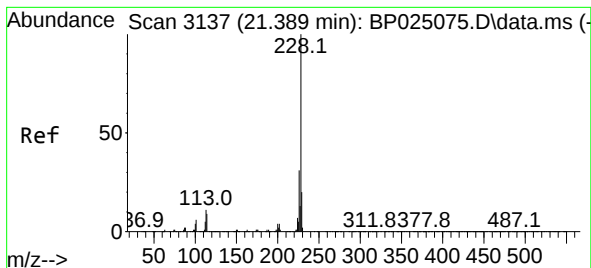
Tgt Ion:228 Resp: 1054397
Ion Ratio Lower Upper
228 100
226 26.7 22.1 33.1
229 19.5 16.0 24.0



#82
3,3'-Dichlorobenzidine
Concen: 9.456 ng
RT: 21.242 min Scan# 3112
Delta R.T. -0.029 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

Tgt Ion:252 Resp: 353736
Ion Ratio Lower Upper
252 100
254 64.2 51.9 77.9
126 10.2 8.1 12.1





#83

Chrysene

Concen: 8.341 ng

RT: 21.371 min Scan# 3137

Delta R.T. -0.018 min

Lab File: BP025104.D

Acq: 11 Jul 2025 15:00

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

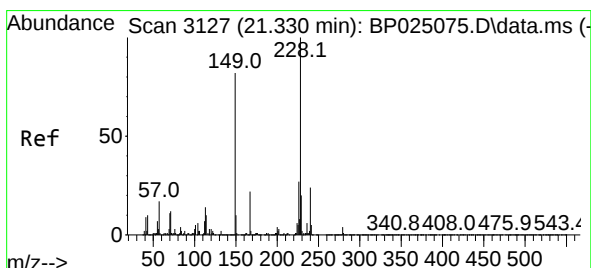
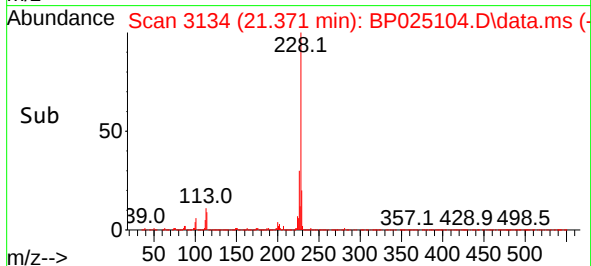
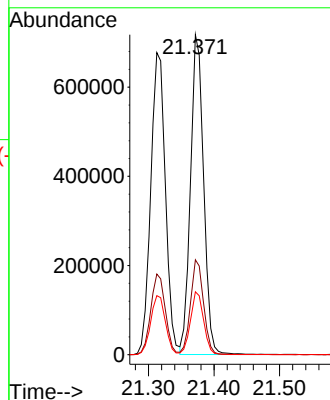
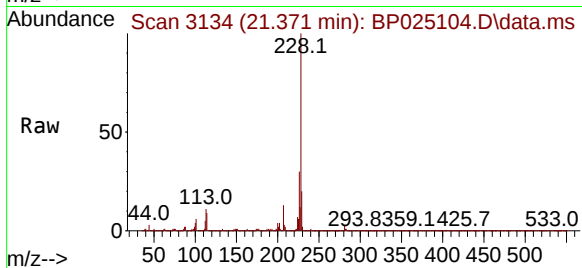
Tgt Ion:228 Resp: 997498

Ion Ratio Lower Upper

228 100

226 29.7 24.4 36.6

229 19.7 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.214 ng

RT: 21.313 min Scan# 3124

Delta R.T. -0.018 min

Lab File: BP025104.D

Acq: 11 Jul 2025 15:00

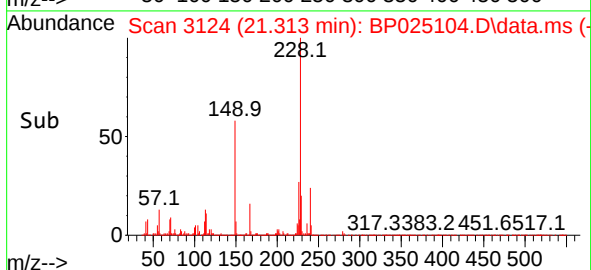
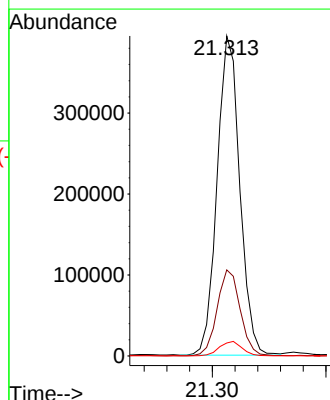
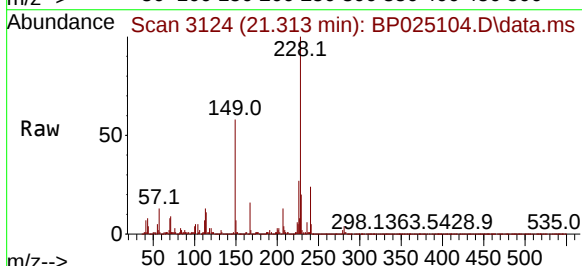
Tgt Ion:149 Resp: 547508

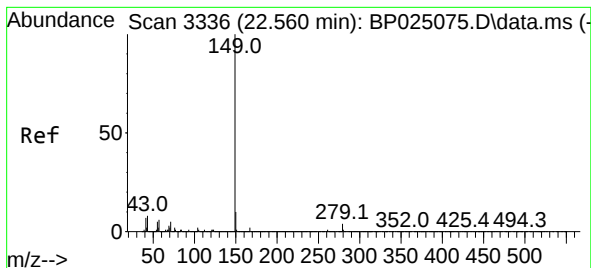
Ion Ratio Lower Upper

149 100

167 26.9 21.9 32.9

279 4.0 3.5 5.3





#85

Di-n-octyl phthalate

Concen: 12.199 ng

RT: 22.524 min Scan# 31

Delta R.T. -0.036 min

Lab File: BP025104.D

Acq: 11 Jul 2025 15:00

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

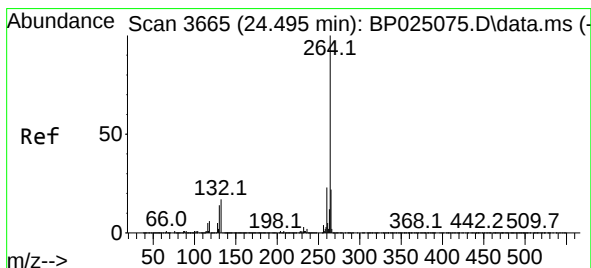
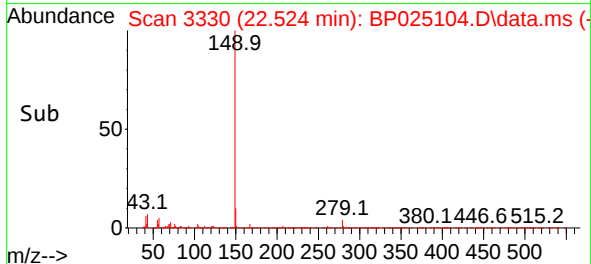
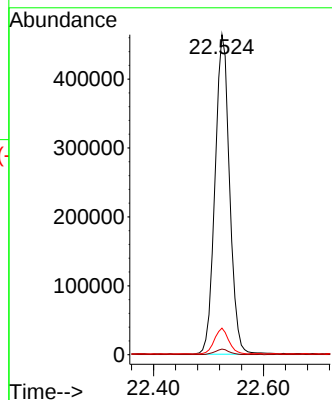
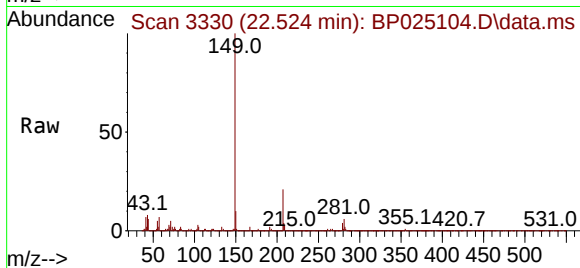
Tgt Ion:149 Resp: 854068

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 7.9 6.9 10.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.465 min Scan# 3660

Delta R.T. -0.029 min

Lab File: BP025104.D

Acq: 11 Jul 2025 15:00

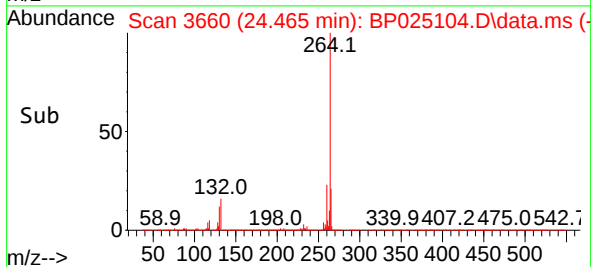
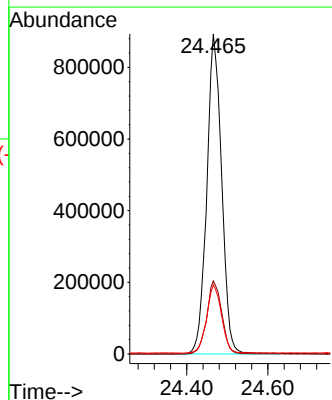
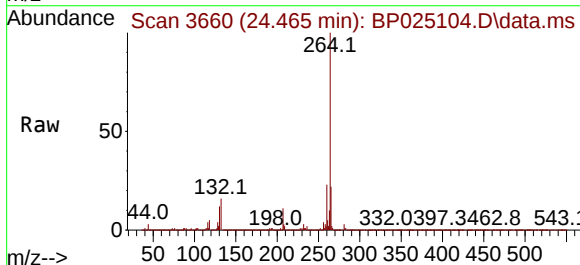
Tgt Ion:264 Resp: 2256008

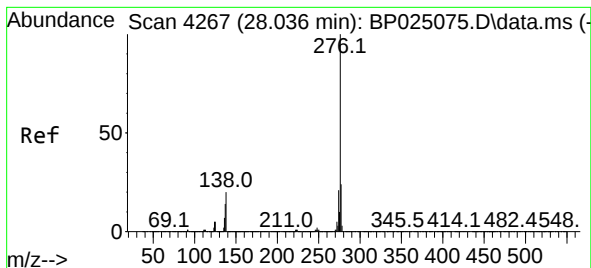
Ion Ratio Lower Upper

264 100

260 22.8 18.6 28.0

265 21.6 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.716 ng

RT: 27.983 min Scan# 41

Delta R.T. -0.053 min

Lab File: BP025104.D

Acq: 11 Jul 2025 15:00

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

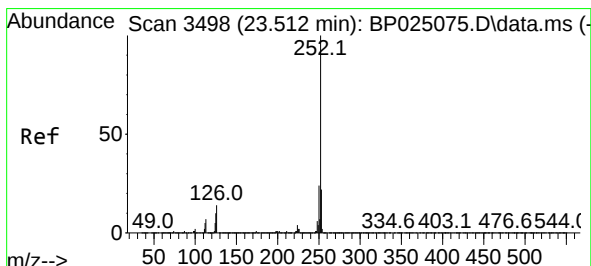
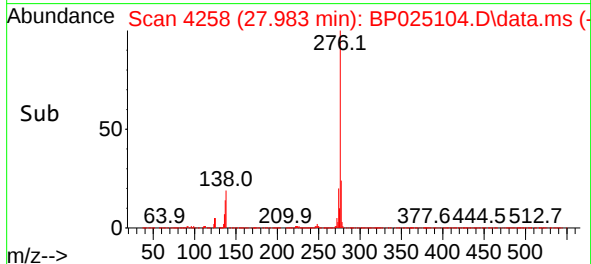
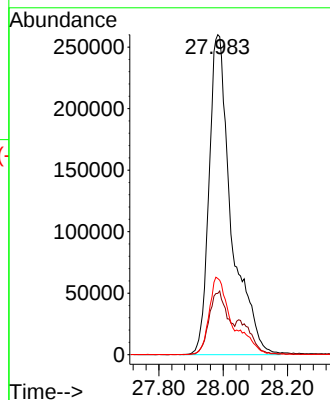
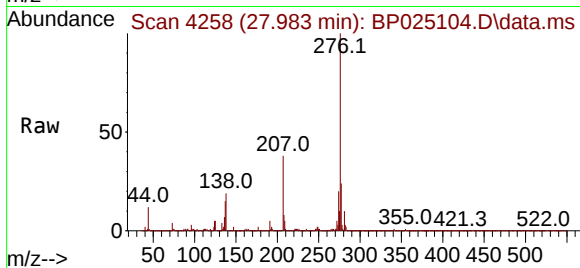
Tgt Ion:276 Resp: 1252714

Ion Ratio Lower Upper

276 100

138 17.0 13.0 19.6

277 25.3 15.9 23.9#



#88

Benzo(b)fluoranthene

Concen: 7.790 ng

RT: 23.471 min Scan# 3491

Delta R.T. -0.041 min

Lab File: BP025104.D

Acq: 11 Jul 2025 15:00

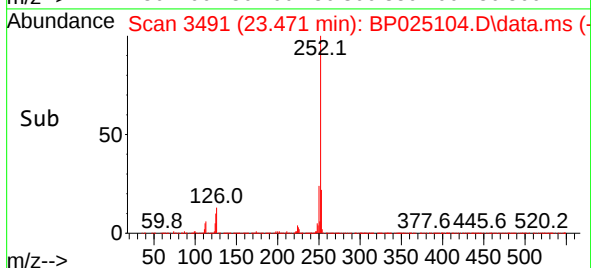
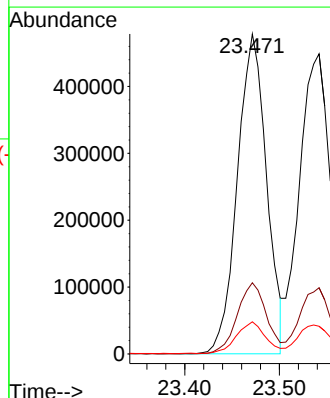
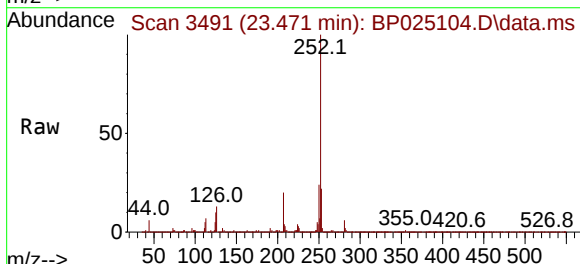
Tgt Ion:252 Resp: 1022977

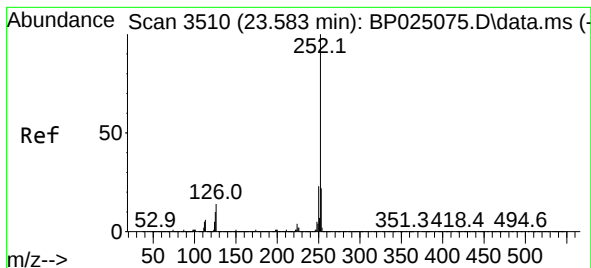
Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

125 10.0 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 8.045 ng

RT: 23.542 min Scan# 31

Delta R.T. -0.041 min

Lab File: BP025104.D

Acq: 11 Jul 2025 15:00

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

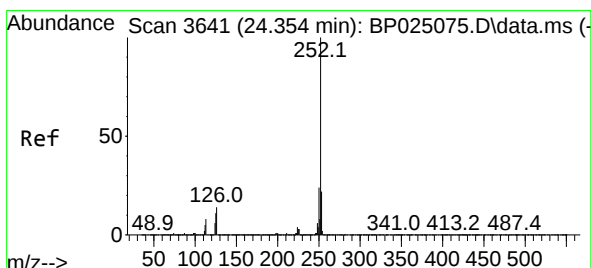
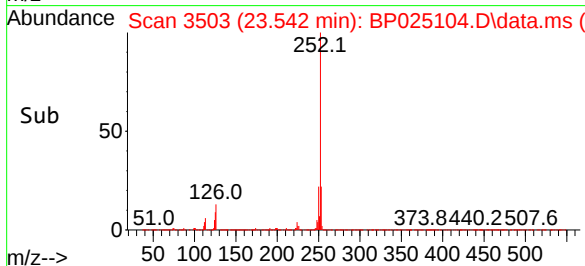
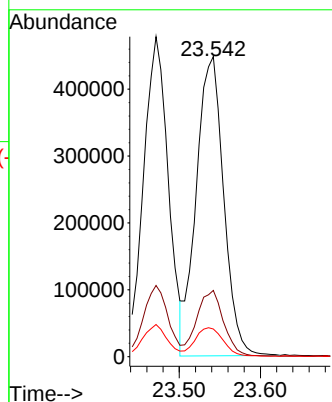
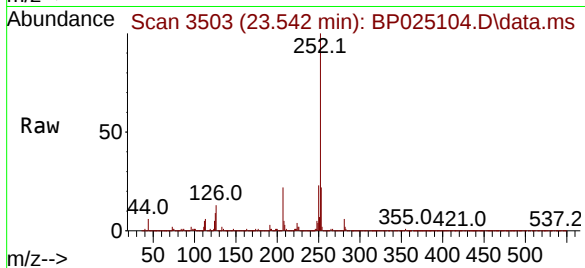
Tgt Ion:252 Resp: 1051111

Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 9.2 8.2 12.2



#90

Benzo(a)pyrene

Concen: 8.757 ng

RT: 24.301 min Scan# 3632

Delta R.T. -0.053 min

Lab File: BP025104.D

Acq: 11 Jul 2025 15:00

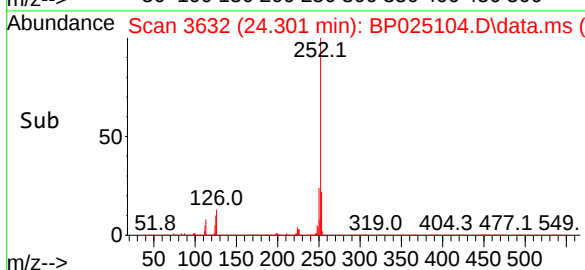
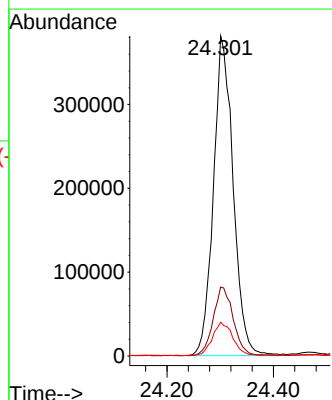
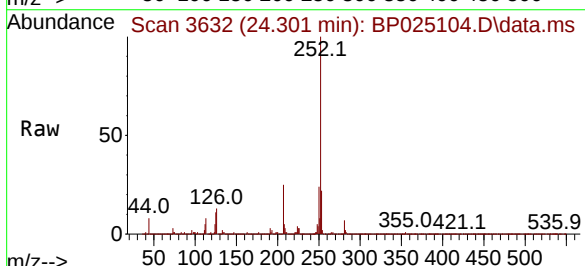
Tgt Ion:252 Resp: 978638

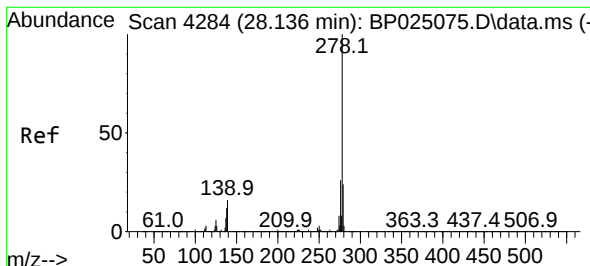
Ion Ratio Lower Upper

252 100

253 21.5 17.6 26.4

125 10.6 9.0 13.4





#91

Dibenzo(a,h)anthracene

Concen: 8.555 ng

RT: 28.065 min Scan# 41

Delta R.T. -0.071 min

Lab File: BP025104.D

Acq: 11 Jul 2025 15:00

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

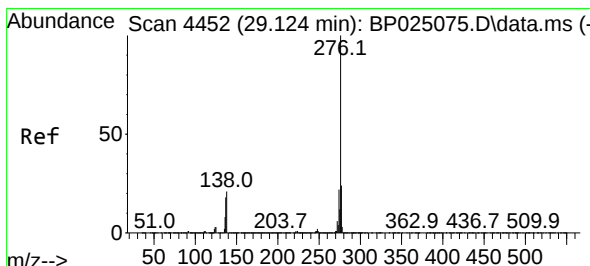
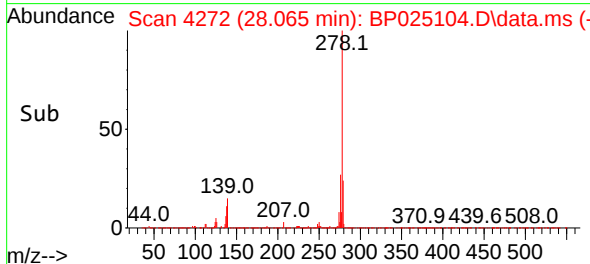
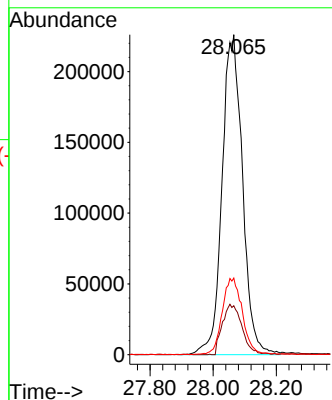
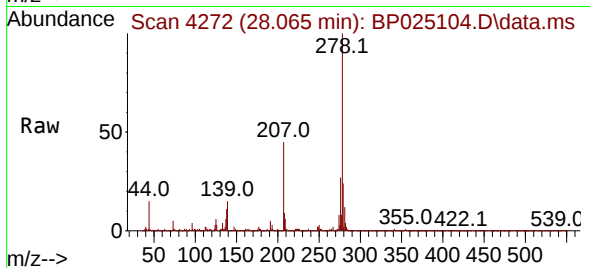
Tgt Ion:278 Resp: 1016320

Ion Ratio Lower Upper

278 100

139 15.3 13.1 19.7

279 23.9 18.9 28.3



#92

Benzo(g,h,i)perylene

Concen: 4.684 ng

RT: 29.053 min Scan# 4440

Delta R.T. -0.071 min

Lab File: BP025104.D

Acq: 11 Jul 2025 15:00

Tgt Ion:276 Resp: 574889

Ion Ratio Lower Upper

276 100

277 23.5 19.3 28.9

138 20.3 16.9 25.3

