

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021925\
 Data File : BP024095.D
 Acq On : 19 Feb 2025 12:35
 Operator : RC/JU
 Sample : Q1168-01
 Misc : LOD-MDL-SOIL 4PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2025

Quant Time: Feb 19 13:11:55 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP021725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 18 02:25:07 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.758	152	335475	20.000	ng	0.00
21) Naphthalene-d8	10.540	136	1305058	20.000	ng	0.00
39) Acenaphthene-d10	14.387	164	703515	20.000	ng	0.00
64) Phenanthrene-d10	17.181	188	1272863	20.000	ng	0.00
76) Chrysene-d12	21.628	240	1289999	20.000	ng	-0.02
86) Perylene-d12	24.998	264	1314739	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	2358747	109.710	ng	0.00
7) Phenol-d6	6.946	99	3013908	109.069	ng	0.00
23) Nitrobenzene-d5	8.911	82	2187413	93.508	ng	0.00
42) 2,4,6-Tribromophenol	15.898	330	886087	102.827	ng	0.00
45) 2-Fluorobiphenyl	12.999	172	4675377	92.907	ng	0.00
79) Terphenyl-d14	19.904	244	5809428	89.112	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.317	88	38155	4.524	ng	99
3) Pyridine	3.723	79	84722	3.864	ng	98
4) n-Nitrosodimethylamine	3.623	42	32862	4.225	ng	# 96
6) Aniline	7.093	93	130258	5.147	ng	98
8) 2-Chlorophenol	7.334	128	98516	4.329	ng	95
9) Benzaldehyde	6.911	77	87190	6.911	ng	96
10) Phenol	6.969	94	122162	4.396	ng	97
11) bis(2-Chloroethyl)ether	7.187	93	97523	4.456	ng	99
12) 1,3-Dichlorobenzene	7.652	146	112040	4.482	ng	99
13) 1,4-Dichlorobenzene	7.793	146	113429	4.487	ng	99
14) 1,2-Dichlorobenzene	8.111	146	108925	4.489	ng	100
15) Benzyl Alcohol	7.999	79	68426	4.045	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.275	45	101665m	4.785	ng	
17) 2-Methylphenol	8.205	107	65167	3.848	ng	97
18) Hexachloroethane	8.834	117	41054	4.509	ng	99
19) n-Nitroso-di-n-propyla...	8.558	70	60000	4.038	ng	99
20) 3+4-Methylphenols	8.528	107	86444	3.753	ng	97
22) Acetophenone	8.575	105	142955	4.263	ng	# 99
24) Nitrobenzene	8.946	77	109239	4.745	ng	97
25) Isophorone	9.475	82	144946	3.789	ng	98
26) 2-Nitrophenol	9.652	139	31956	3.013	ng	95
27) 2,4-Dimethylphenol	9.716	122	52393	3.763	ng	97
28) bis(2-Chloroethoxy)met...	9.946	93	113026	4.079	ng	100
29) 2,4-Dichlorophenol	10.187	162	61452	3.234	ng	97
30) 1,2,4-Trichlorobenzene	10.399	180	90108	4.139	ng	97
31) Naphthalene	10.587	128	298336	4.251	ng	100
32) Benzoic acid	9.787	122	29037m	9.166	ng	
33) 4-Chloroaniline	10.699	127	97918	3.961	ng	99
34) Hexachlorobutadiene	10.875	225	54428	4.317	ng	99
35) Caprolactam	11.469	113	14940m	7.637	ng	
36) 4-Chloro-3-methylphenol	11.828	107	57643	2.951	ng	97
37) 2-Methylnaphthalene	12.193	142	185305	3.973	ng	99
38) 1-Methylnaphthalene	12.416	142	176068	3.880	ng	99
40) 1,2,4,5-Tetrachloroben...	12.563	216	94818	4.386	ng	99
41) Hexachlorocyclopentadiene	12.552	237	29760	3.700	ng	99
43) 2,4,6-Trichlorophenol	12.810	196	41869	3.176	ng	97

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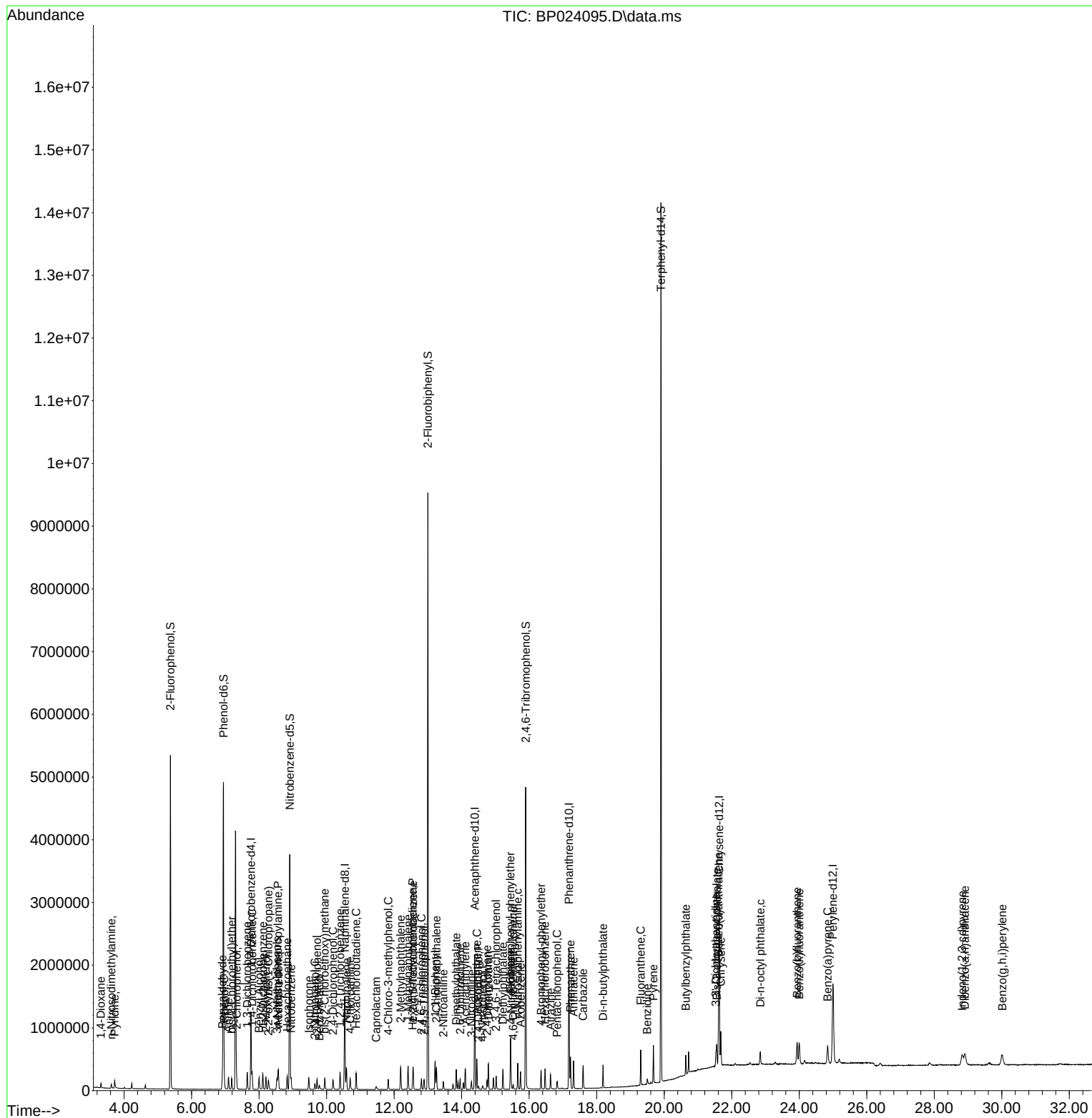
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.887	196	46007	3.191	ng	98
46) 1,1'-Biphenyl	13.216	154	251168	4.594	ng	99
47) 2-Chloronaphthalene	13.257	162	179979	4.355	ng	98
48) 2-Nitroaniline	13.457	65	32946	3.375	ng	89
49) Acenaphthylene	14.110	152	247925	4.072	ng	100
50) Dimethylphthalate	13.840	163	194916	3.928	ng	100
51) 2,6-Dinitrotoluene	13.957	165	32156	3.181	ng	86
52) Acenaphthene	14.451	154	163932	4.181	ng	99
53) 3-Nitroaniline	14.293	138	33787	3.132	ng #	91
54) 2,4-Dinitrophenol	14.498	184	10172	9.157	ng	95
55) Dibenzofuran	14.793	168	267189	4.195	ng	99
56) 4-Nitrophenol	14.622	139	21122	2.267	ng	92
57) 2,4-Dinitrotoluene	14.751	165	37388	2.847	ng #	86
58) Fluorene	15.451	166	195596	3.932	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.022	232	38340	3.065	ng	99
60) Diethylphthalate	15.222	149	183805	3.731	ng	97
61) 4-Chlorophenyl-phenyle...	15.445	204	96668	3.948	ng	97
62) 4-Nitroaniline	15.463	138	32135	5.632	ng	94
63) Azobenzene	15.745	77	169137	3.664	ng	96
65) 4,6-Dinitro-2-methylph...	15.528	198	15358	7.652	ng	97
66) n-Nitrosodiphenylamine	15.663	169	155927	3.928	ng	99
67) 4-Bromophenyl-phenylether	16.351	248	55355	3.873	ng	97
68) Hexachlorobenzene	16.469	284	69559	4.136	ng	98
69) Atrazine	16.634	200	43396	4.260	ng	97
70) Pentachlorophenol	16.828	266	25060	2.294	ng	96
71) Phenanthrene	17.222	178	303152	4.224	ng	99
72) Anthracene	17.316	178	265457	3.860	ng	99
73) Carbazole	17.598	167	238996	3.648	ng	99
74) Di-n-butylphthalate	18.187	149	243973	3.191	ng	99
75) Fluoranthene	19.304	202	306619	3.778	ng	100
77) Benzidine	19.498	184	60676	3.860	ng	97
78) Pyrene	19.681	202	325128	3.968	ng	98
80) Butylbenzylphthalate	20.639	149	90884	2.895	ng	98
81) Benzo(a)anthracene	21.610	228	326982	4.042	ng	98
82) 3,3'-Dichlorobenzidine	21.533	252	80559	3.187	ng	99
83) Chrysene	21.675	228	320543	4.110	ng	100
84) Bis(2-ethylhexyl)phtha...	21.557	149	130353	2.738	ng	98
85) Di-n-octyl phthalate	22.845	149	177864	2.337	ng	97
87) Indeno(1,2,3-cd)pyrene	28.821	276	329899	3.527	ng	97
88) Benzo(b)fluoranthene	23.933	252	317225	3.800	ng	98
89) Benzo(k)fluoranthene	24.004	252	314546	3.871	ng	99
90) Benzo(a)pyrene	24.839	252	274228	3.870	ng	98
91) Dibenzo(a,h)anthracene	28.909	278	274885	3.495	ng	99
92) Benzo(g,h,i)perylene	30.015	276	262112	3.284	ng	98

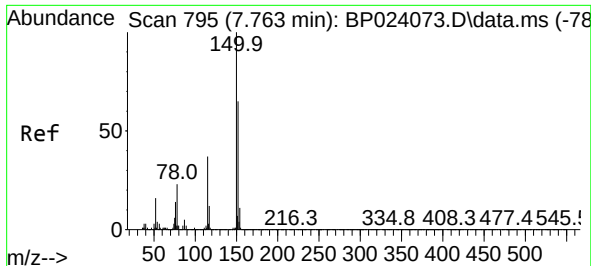
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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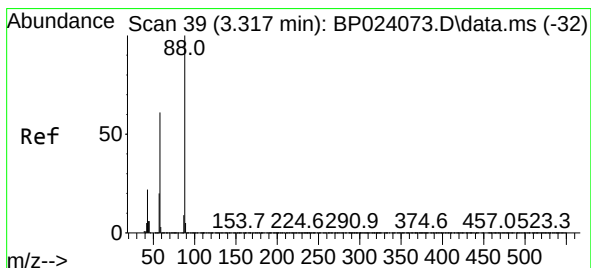
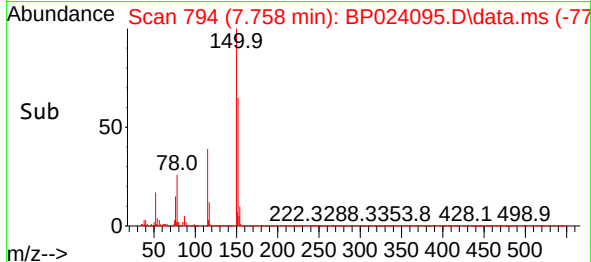
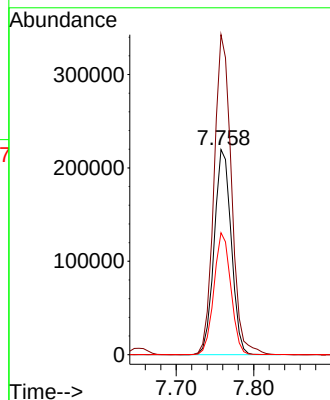
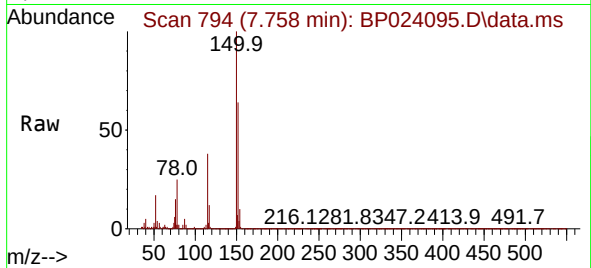




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.758 min Scan# 795
 Delta R.T. -0.005 min
 Lab File: BP024095.D
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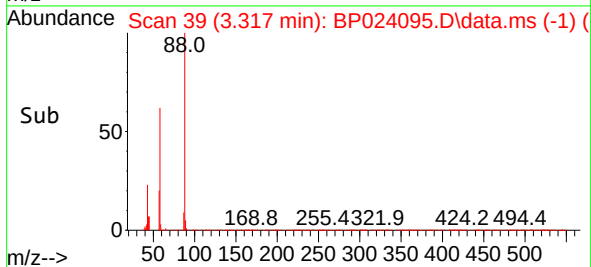
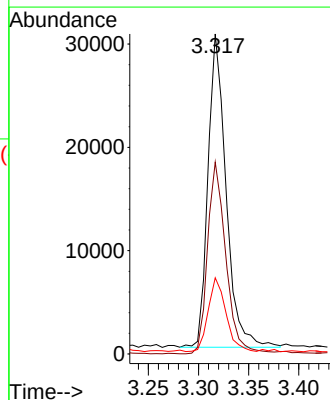
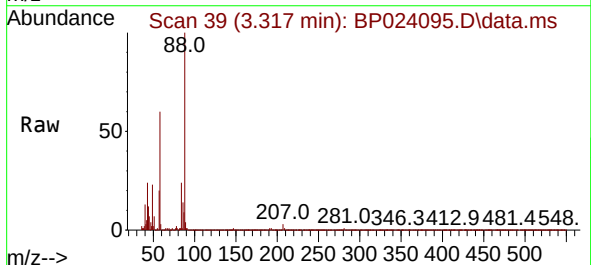
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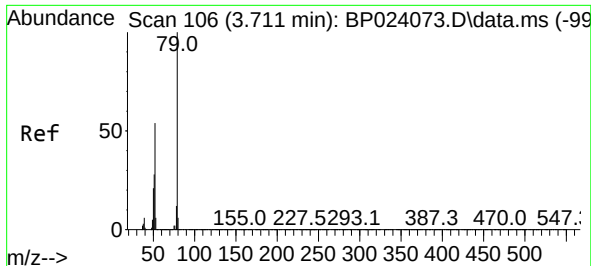
Tgt Ion:152 Resp: 335475
 Ion Ratio Lower Upper
 152 100
 150 156.0 122.4 183.6
 115 59.5 45.0 67.6



#2
 1,4-Dioxane
 Concen: 4.524 ng
 RT: 3.317 min Scan# 39
 Delta R.T. 0.000 min
 Lab File: BP024095.D
 Acq: 19 Feb 2025 12:35

Tgt Ion: 88 Resp: 38155
 Ion Ratio Lower Upper
 88 100
 58 61.9 49.1 73.7
 43 23.1 18.0 27.0

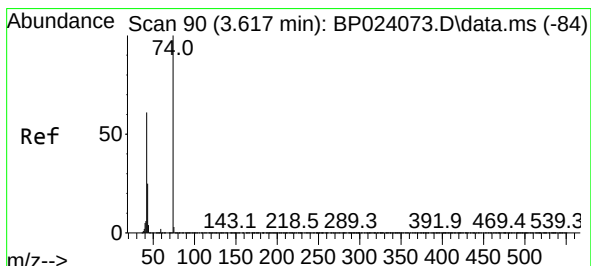
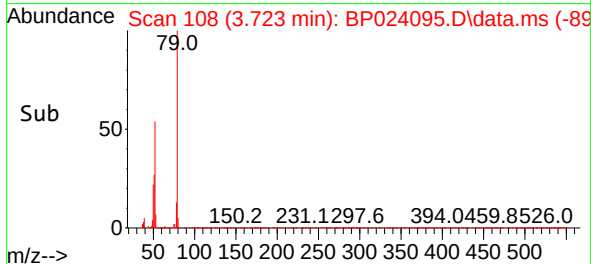
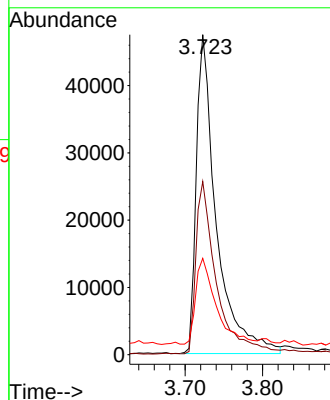
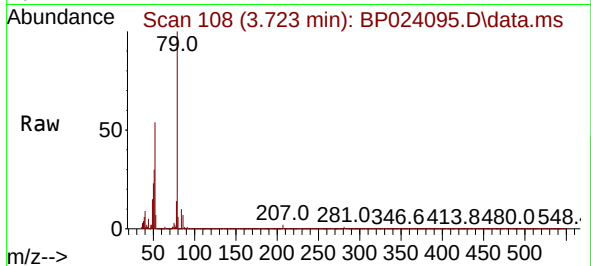




#3
 Pyridine
 Concen: 3.864 ng
 RT: 3.723 min Scan# 10
 Delta R.T. 0.012 min
 Lab File: BP024095.D
 Acq: 19 Feb 2025 12:35

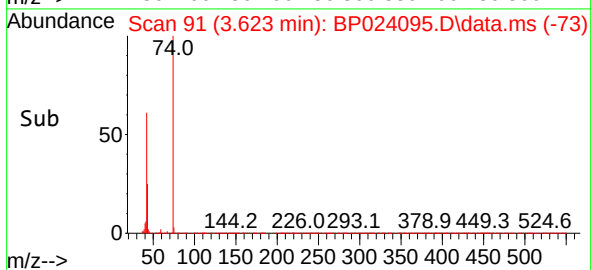
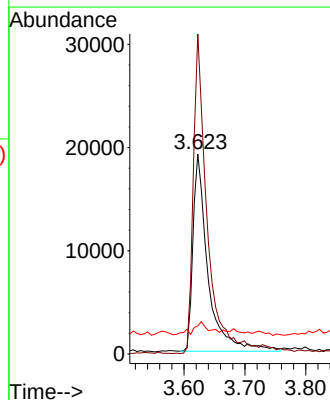
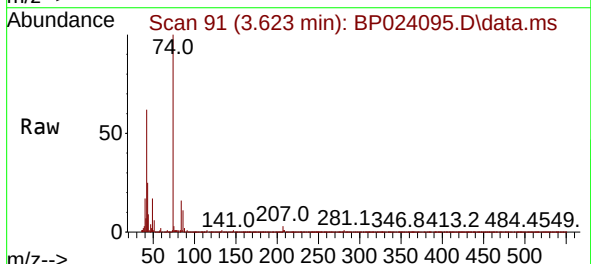
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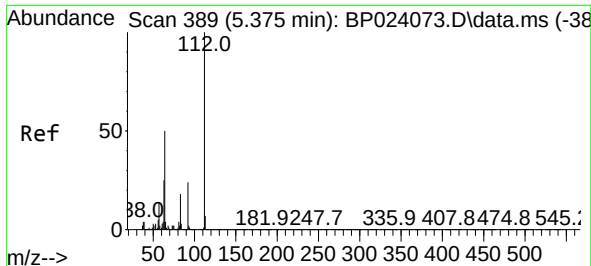
Tgt Ion: 79 Resp: 84722
 Ion Ratio Lower Upper
 79 100
 52 54.1 43.5 65.3
 51 30.1 22.2 33.4



#4
 n-Nitrosodimethylamine
 Concen: 4.225 ng
 RT: 3.623 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: BP024095.D
 Acq: 19 Feb 2025 12:35

Tgt Ion: 42 Resp: 32862
 Ion Ratio Lower Upper
 42 100
 74 160.2 132.0 198.0
 44 14.0 5.3 7.9

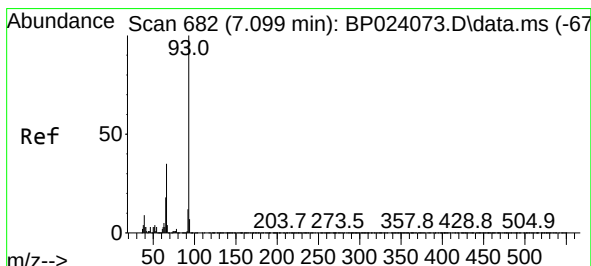
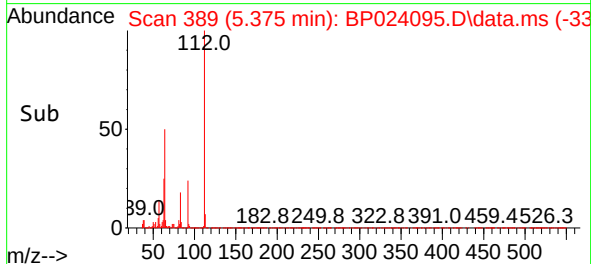
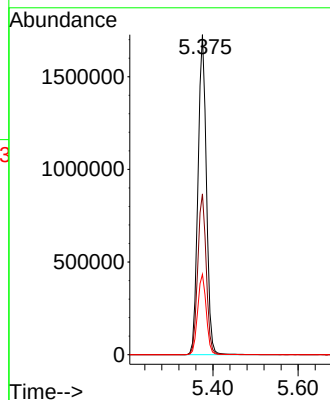
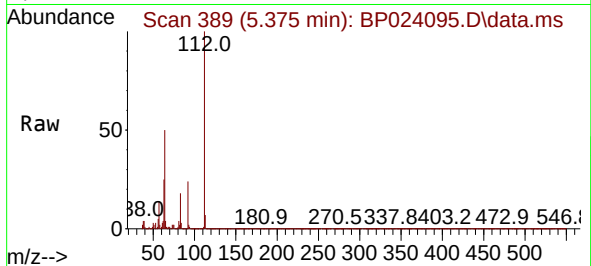




#5
2-Fluorophenol
Concen: 109.710 ng
RT: 5.375 min Scan# 389
Delta R.T. 0.000 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

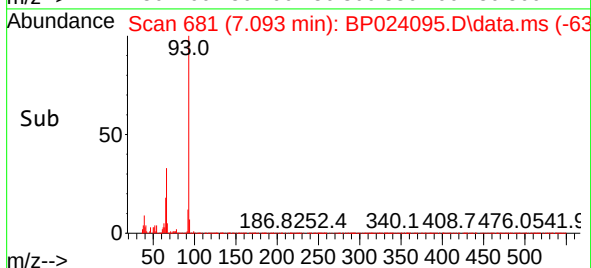
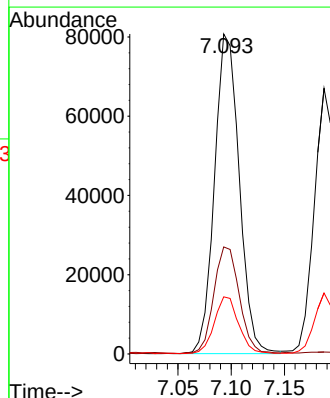
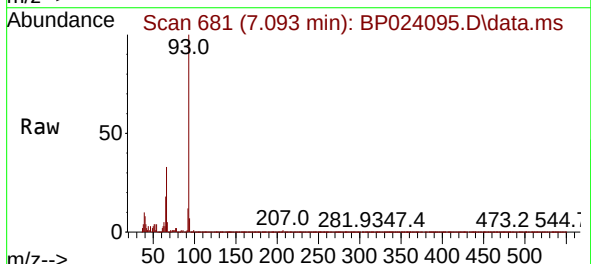
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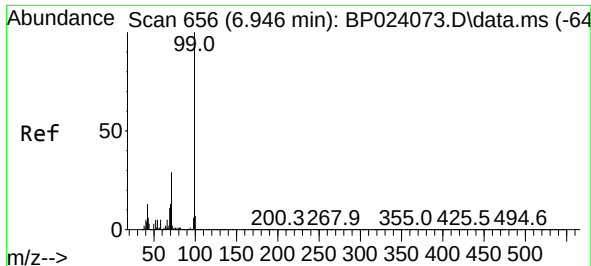
Tgt Ion:112 Resp: 2358747
Ion Ratio Lower Upper
112 100
64 50.2 39.6 59.4
63 25.1 20.3 30.5



#6
Aniline
Concen: 5.147 ng
RT: 7.093 min Scan# 681
Delta R.T. -0.006 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

Tgt Ion: 93 Resp: 130258
Ion Ratio Lower Upper
93 100
66 33.4 28.2 42.4
65 17.9 14.1 21.1





#7

Phenol-d6

Concen: 109.069 ng

RT: 6.946 min Scan# 656

Delta R.T. 0.000 min

Lab File: BP024095.D

Acq: 19 Feb 2025 12:35

Instrument :

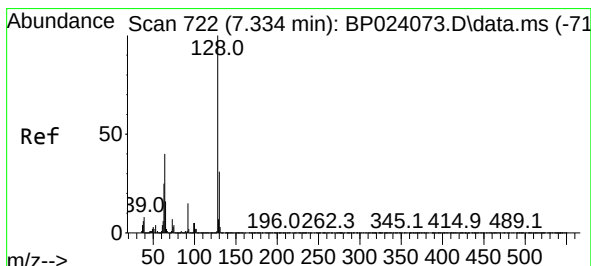
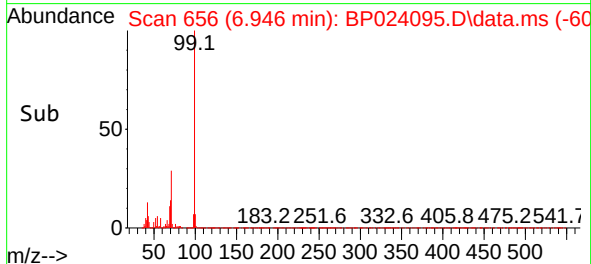
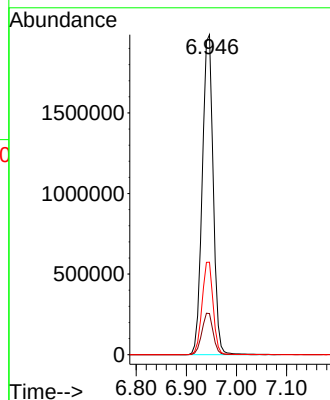
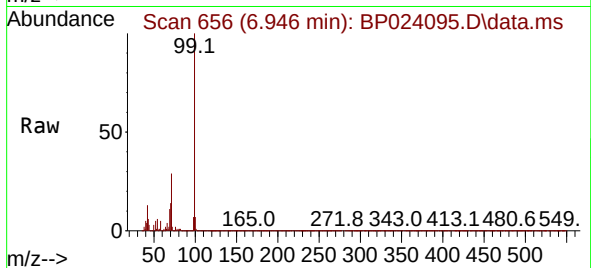
BNA_P

ClientSampleId :

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Tgt Ion: 99 Resp: 3013908

Ion	Ratio	Lower	Upper
99	100		
42	12.8	10.3	15.5
71	28.9	22.9	34.3



#8

2-Chlorophenol

Concen: 4.329 ng

RT: 7.334 min Scan# 722

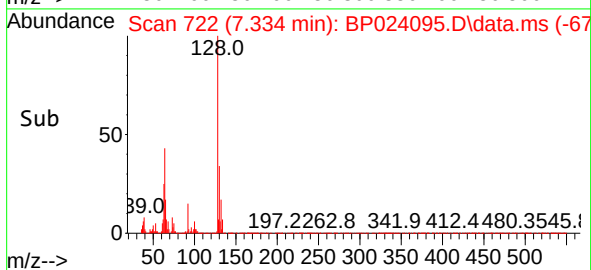
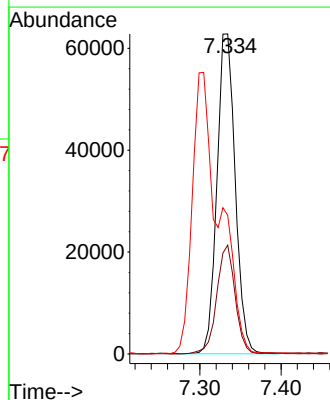
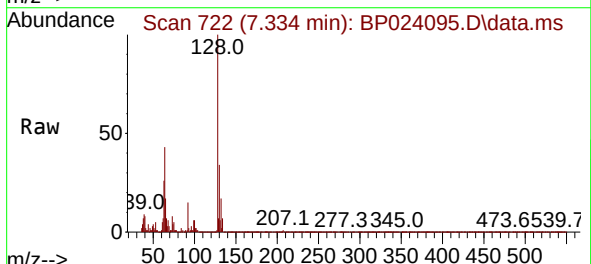
Delta R.T. 0.000 min

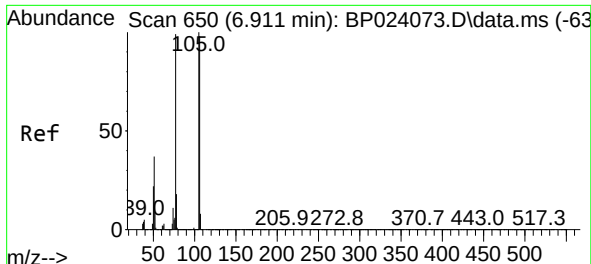
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Tgt Ion: 128 Resp: 98516

Ion	Ratio	Lower	Upper
128	100		
130	34.0	11.5	51.5
64	43.3	19.8	59.8

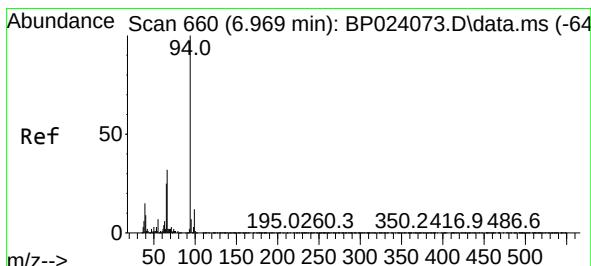
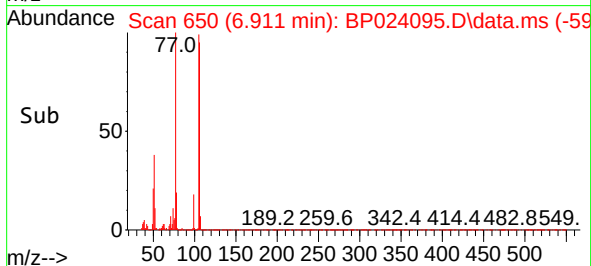
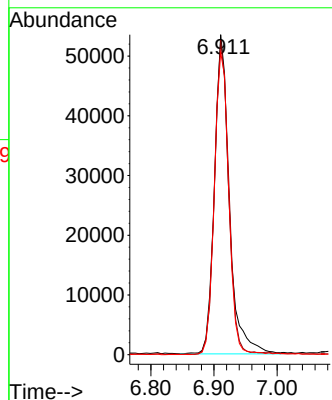
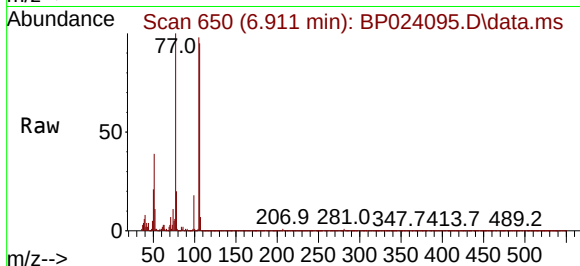




#9
Benzaldehyde
Concen: 6.911 ng
RT: 6.911 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP024095.D
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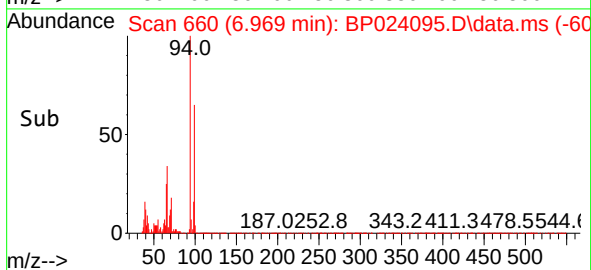
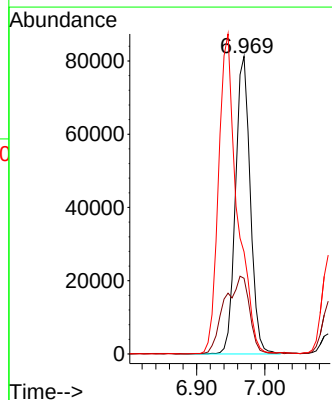
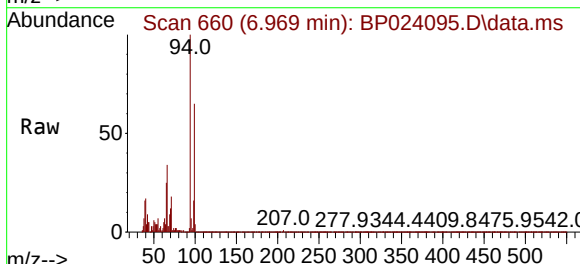
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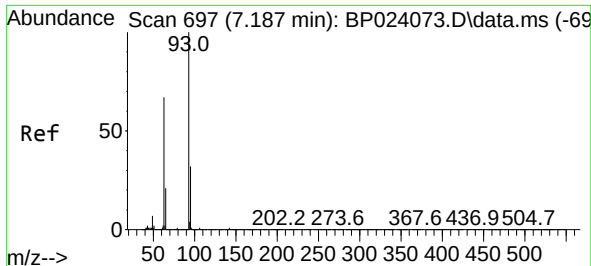
Tgt Ion:	77	Resp:	87190
Ion	Ratio	Lower	Upper
77	100		
105	98.3	81.4	121.4
106	94.5	79.0	119.0



#10
Phenol
Concen: 4.396 ng
RT: 6.969 min Scan# 660
Delta R.T. 0.000 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

Tgt Ion:	94	Resp:	122162
Ion	Ratio	Lower	Upper
94	100		
65	25.4	5.0	45.0
66	34.3	11.6	51.6

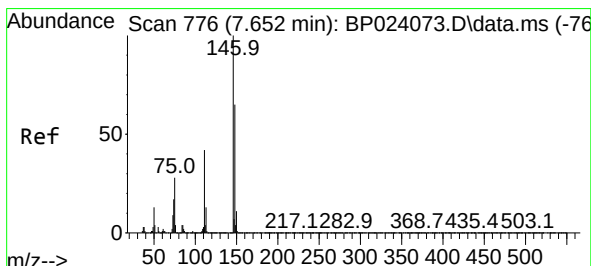
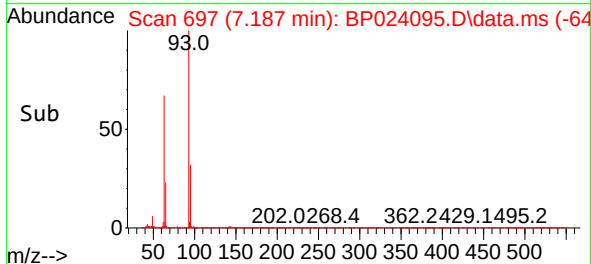
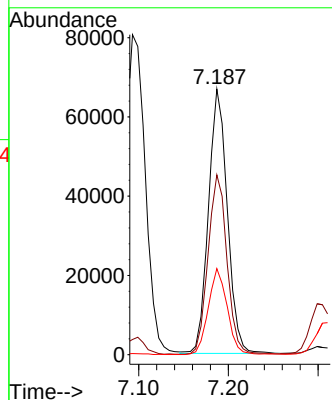
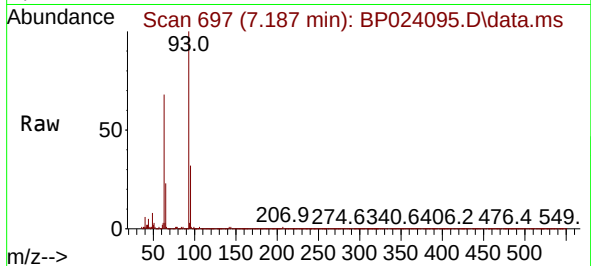




#11
bis(2-Chloroethyl)ether
Concen: 4.456 ng
RT: 7.187 min Scan# 697
Delta R.T. 0.000 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

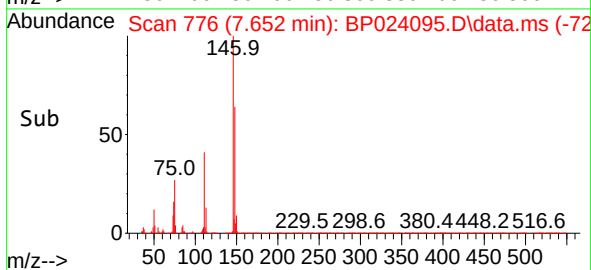
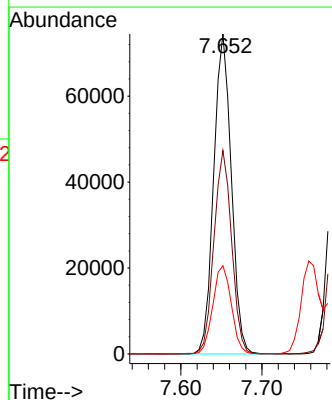
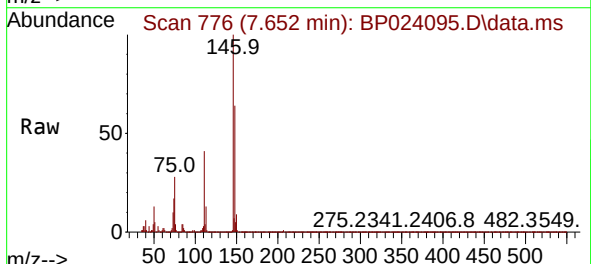
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

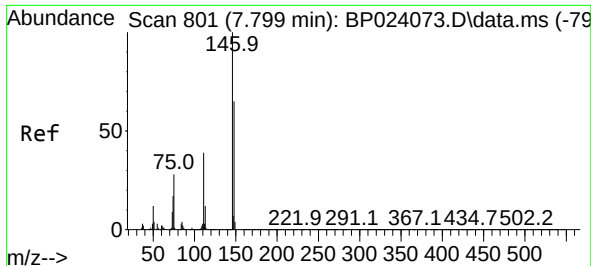
Tgt Ion:	93	Resp:	97523
Ion	Ratio	Lower	Upper
93	100		
63	67.7	46.5	86.5
95	32.4	12.3	52.3



#12
1,3-Dichlorobenzene
Concen: 4.482 ng
RT: 7.652 min Scan# 776
Delta R.T. 0.000 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

Tgt Ion:	146	Resp:	112040
Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.8	77.8
75	27.6	22.6	33.8

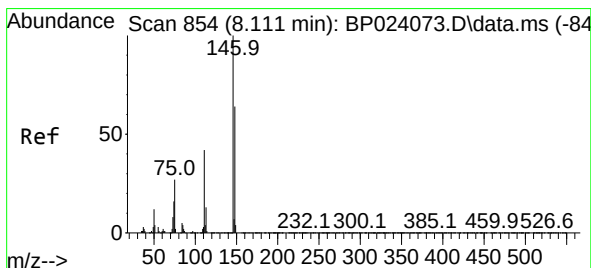
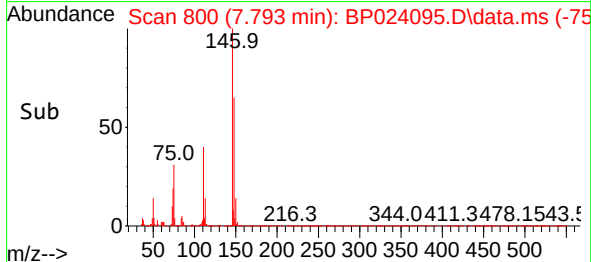
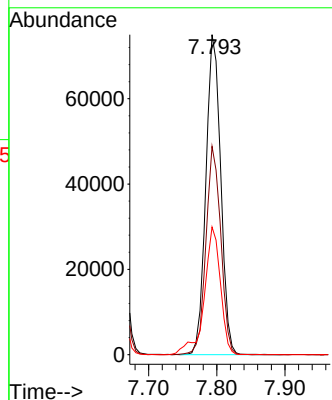
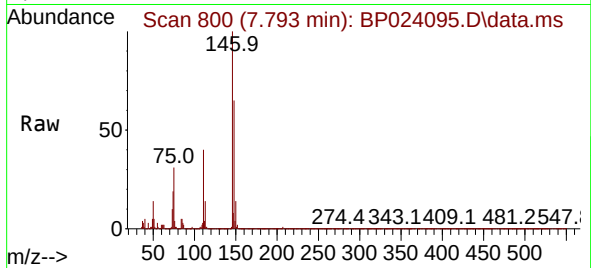




#13
1,4-Dichlorobenzene
Concen: 4.487 ng
RT: 7.793 min Scan# 801
Delta R.T. -0.006 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

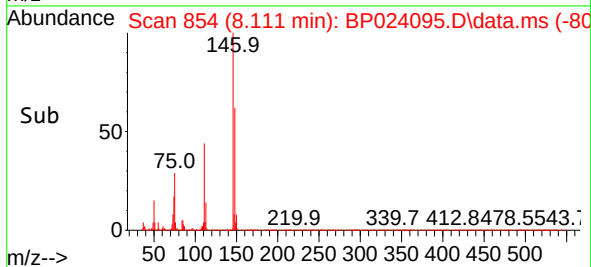
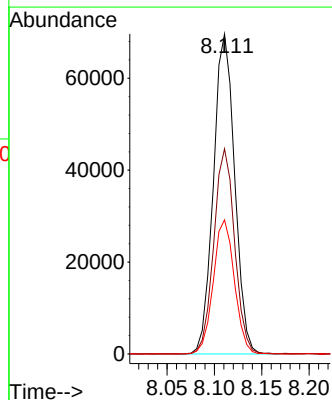
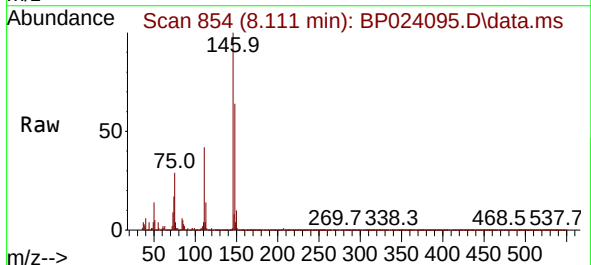
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

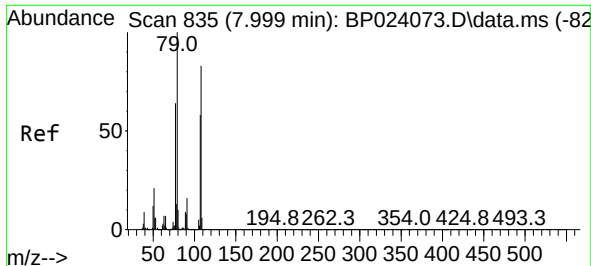
Tgt Ion:146 Resp: 113429
Ion Ratio Lower Upper
146 100
148 65.1 51.6 77.4
111 39.9 31.2 46.8



#14
1,2-Dichlorobenzene
Concen: 4.489 ng
RT: 8.111 min Scan# 854
Delta R.T. 0.000 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

Tgt Ion:146 Resp: 108925
Ion Ratio Lower Upper
146 100
148 64.1 51.2 76.8
111 41.9 33.4 50.0

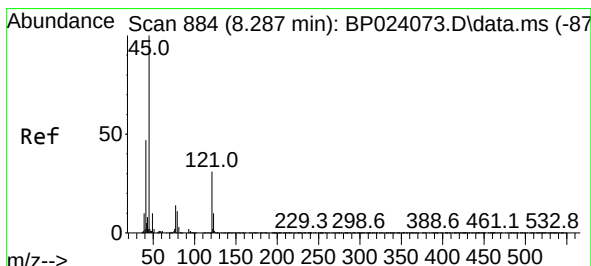
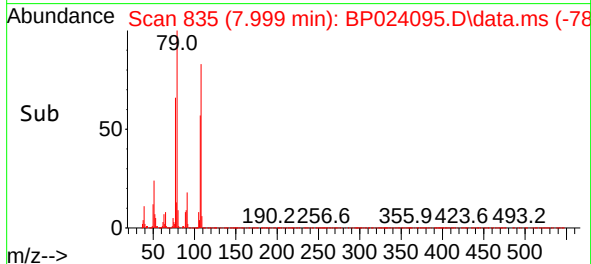
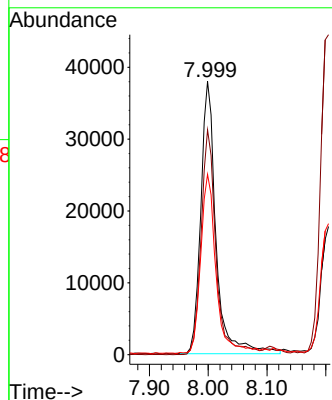
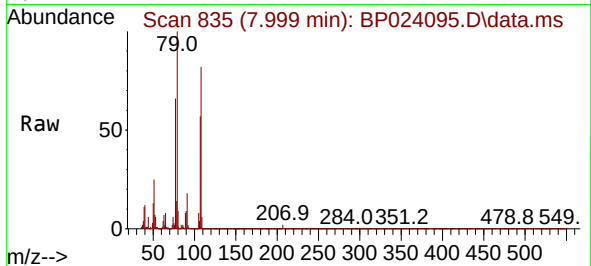




#15
Benzyl Alcohol
Concen: 4.045 ng
RT: 7.999 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

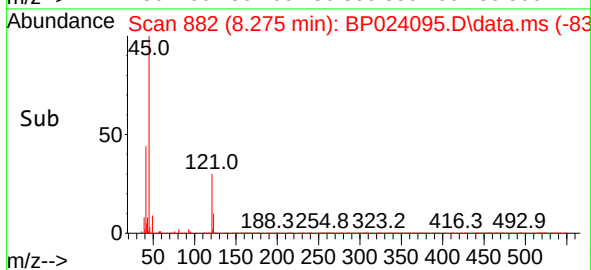
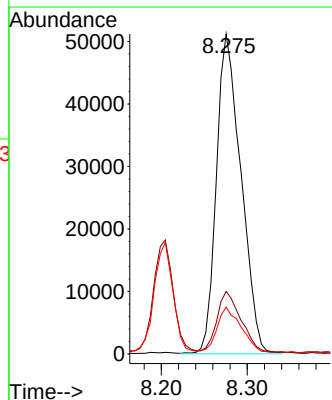
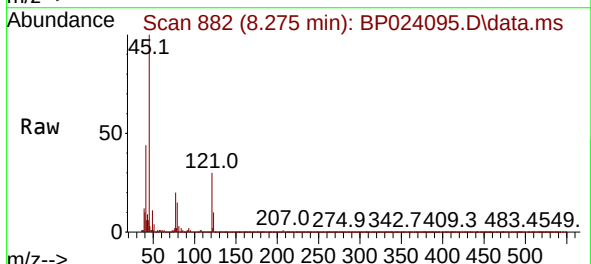
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

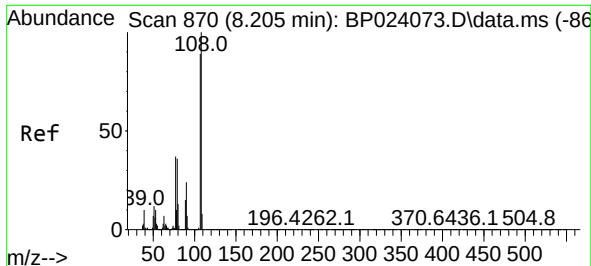
Tgt Ion: 79 Resp: 68426
Ion Ratio Lower Upper
79 100
108 82.3 66.4 99.6
77 66.0 51.3 76.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.785 ng m
RT: 8.275 min Scan# 882
Delta R.T. -0.012 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

Tgt Ion: 45 Resp: 101665
Ion Ratio Lower Upper
45 100
77 19.5 0.0 38.8
79 14.7 0.0 35.4

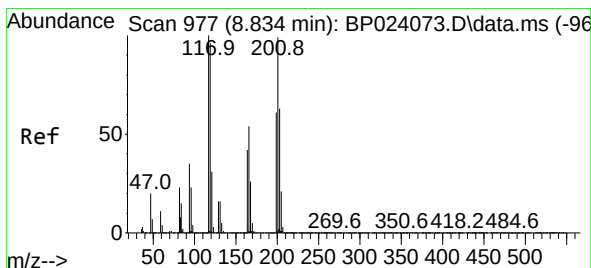
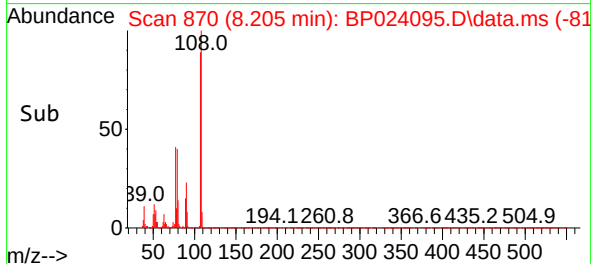
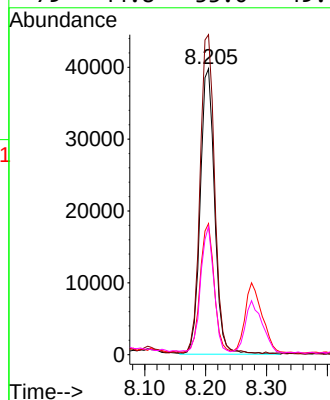
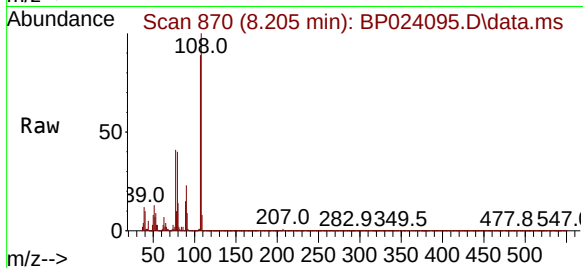




#17
2-Methylphenol
Concen: 3.848 ng
RT: 8.205 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

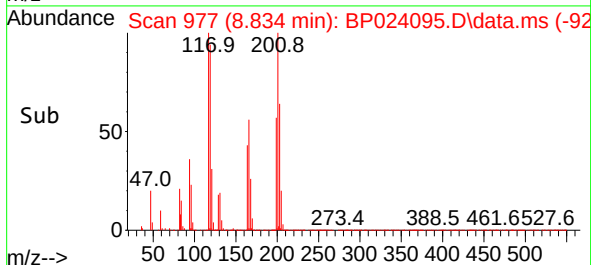
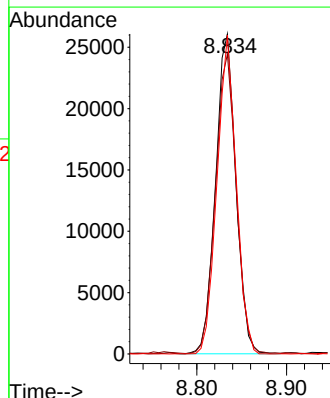
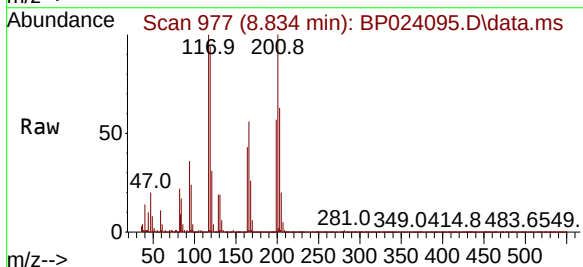
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

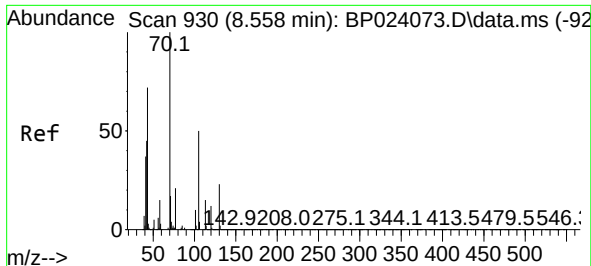
Tgt Ion:	107	Resp:	65167
Ion	Ratio	Lower	Upper
107	100		
108	111.9	90.0	135.0
77	45.9	33.8	50.6
79	44.8	33.0	49.4



#18
Hexachloroethane
Concen: 4.509 ng
RT: 8.834 min Scan# 977
Delta R.T. 0.000 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

Tgt Ion:	117	Resp:	41054
Ion	Ratio	Lower	Upper
117	100		
119	93.7	76.9	115.3
201	99.5	79.4	119.2

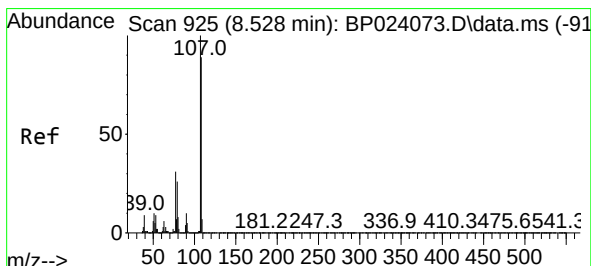
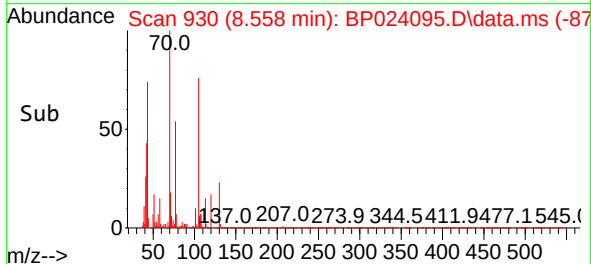
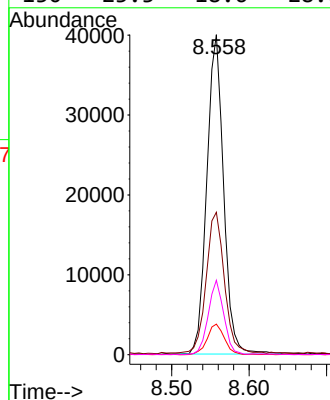
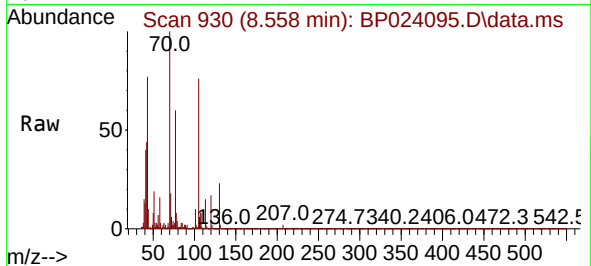




#19
n-Nitroso-di-n-propylamine
Concen: 4.038 ng
RT: 8.558 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

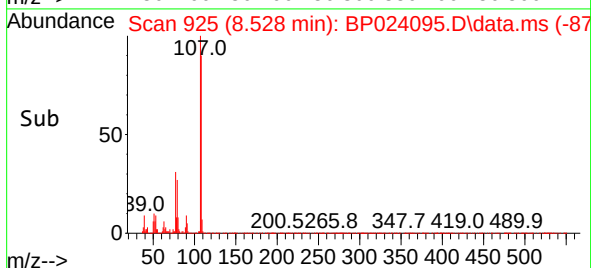
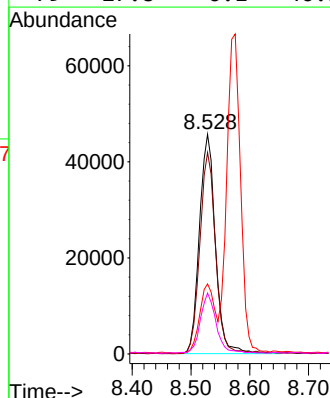
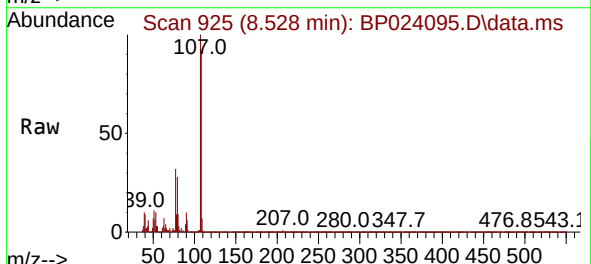
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

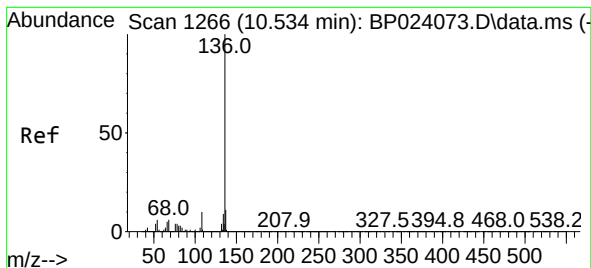
Tgt Ion:	70	Resp:	60000
Ion	Ratio	Lower	Upper
70	100		
42	44.5	36.6	54.8
101	9.5	8.2	12.2
130	23.3	18.6	28.0



#20
3+4-Methylphenols
Concen: 3.753 ng
RT: 8.528 min Scan# 925
Delta R.T. 0.000 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

Tgt Ion:	107	Resp:	86444
Ion	Ratio	Lower	Upper
107	100		
108	91.7	68.5	108.5
77	31.9	10.7	50.7
79	27.8	6.1	46.1



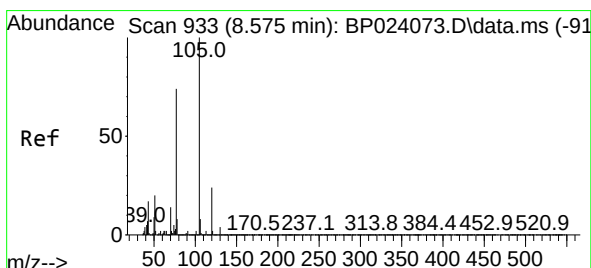
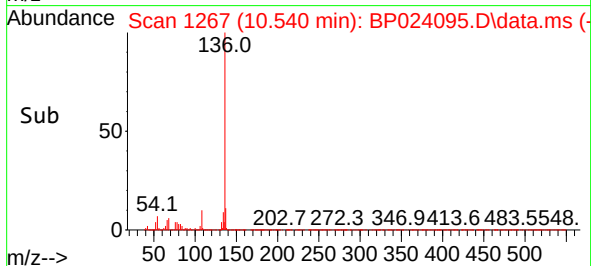
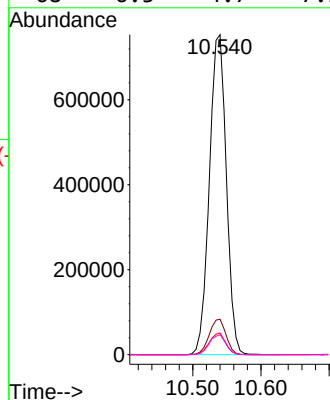
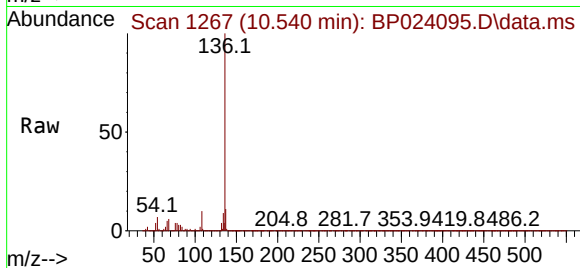


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.540 min Scan# 1266
Delta R.T. 0.006 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

Tgt Ion:136 Resp: 1305058

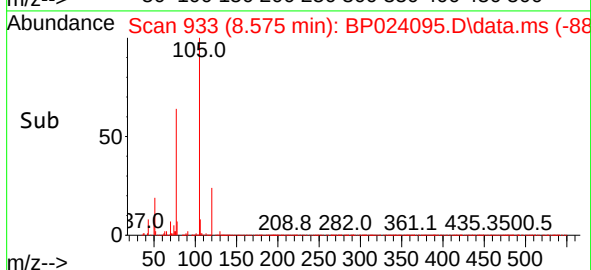
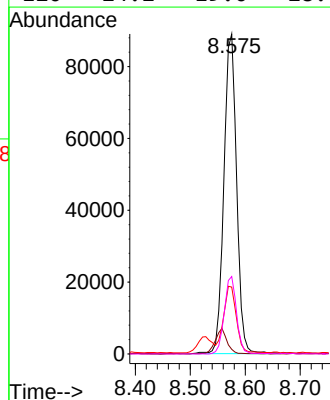
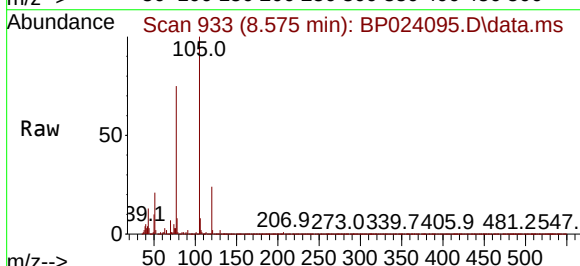
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	6.8	4.9	7.3
68	6.3	4.7	7.1

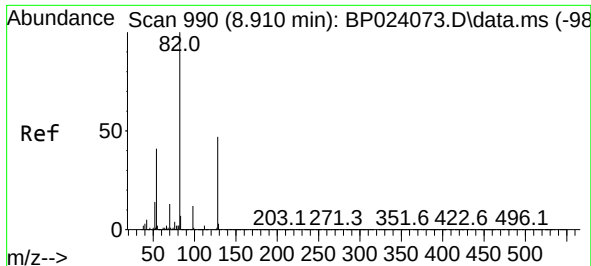


#22
Acetophenone
Concen: 4.263 ng
RT: 8.575 min Scan# 933
Delta R.T. 0.000 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

Tgt Ion:105 Resp: 142955

Ion	Ratio	Lower	Upper
105	100		
71	1.5	1.9	2.9
51	20.9	16.3	24.5
120	24.2	19.0	28.4

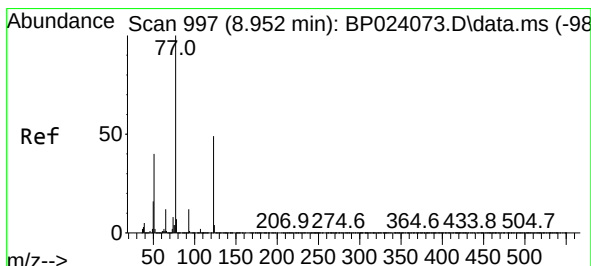
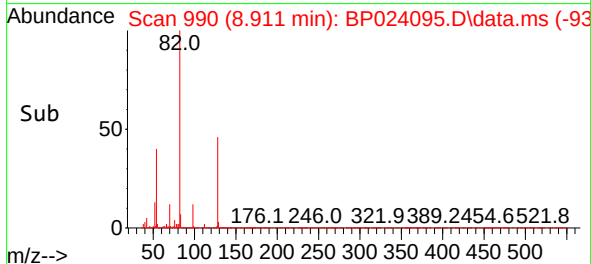
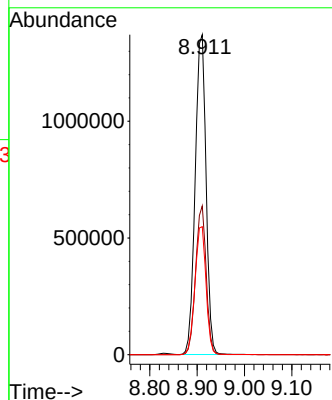
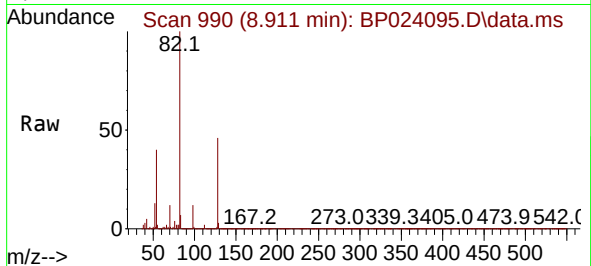




#23
Nitrobenzene-d5
Concen: 93.508 ng
RT: 8.911 min Scan# 990
Delta R.T. 0.000 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

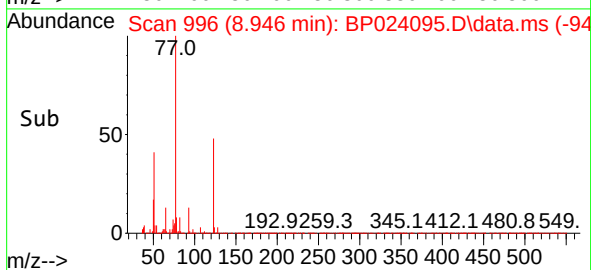
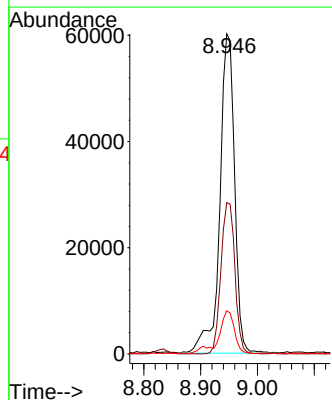
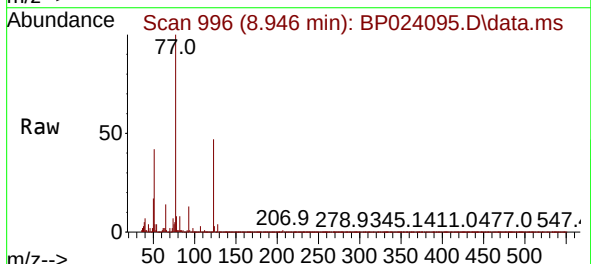
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

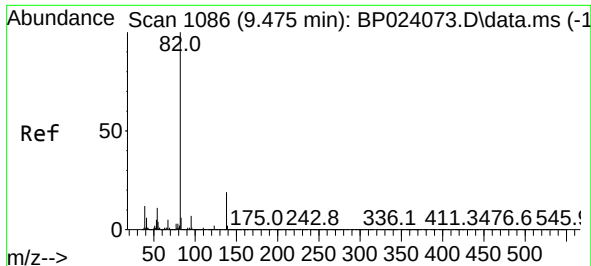
Tgt Ion: 82 Resp: 2187413
Ion Ratio Lower Upper
82 100
128 46.5 37.4 56.2
54 40.0 32.4 48.6



#24
Nitrobenzene
Concen: 4.745 ng
RT: 8.946 min Scan# 996
Delta R.T. -0.006 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

Tgt Ion: 77 Resp: 109239
Ion Ratio Lower Upper
77 100
123 47.3 39.4 59.2
65 13.5 9.9 14.9

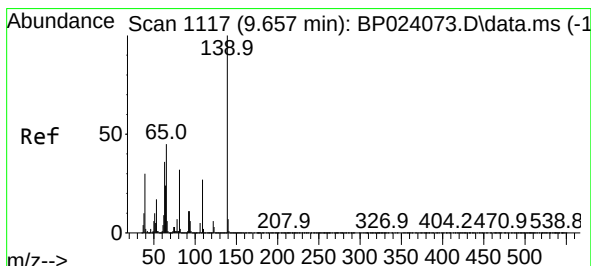
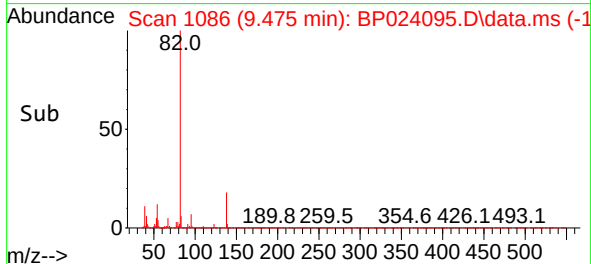
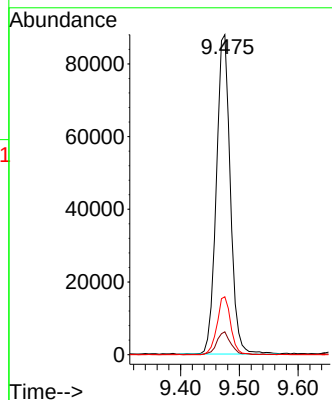
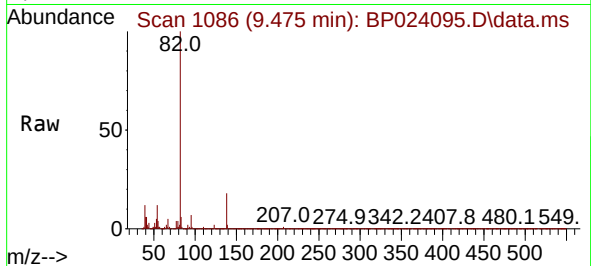




#25
Isophorone
Concen: 3.789 ng
RT: 9.475 min Scan# 110
Delta R.T. 0.000 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

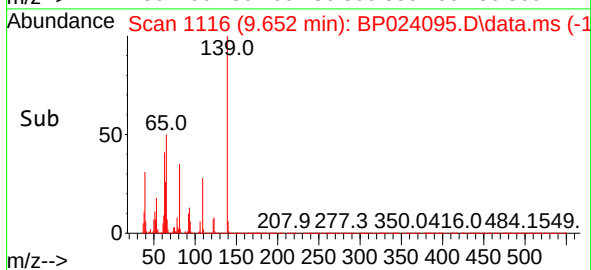
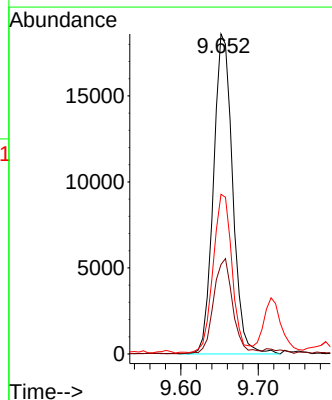
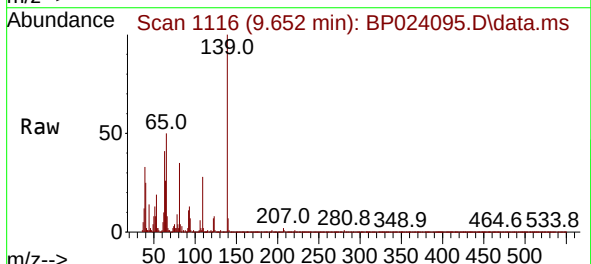
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

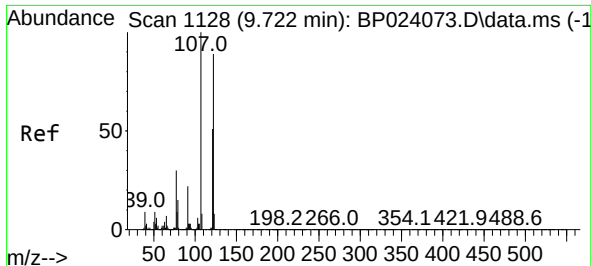
Tgt Ion: 82 Resp: 144946
Ion Ratio Lower Upper
82 100
95 7.2 5.4 8.0
138 18.1 15.3 22.9



#26
2-Nitrophenol
Concen: 3.013 ng
RT: 9.652 min Scan# 1116
Delta R.T. -0.006 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

Tgt Ion: 139 Resp: 31956
Ion Ratio Lower Upper
139 100
109 27.9 21.7 32.5
65 49.9 36.1 54.1





#27

2,4-Dimethylphenol

Concen: 3.763 ng

RT: 9.716 min Scan# 1127

Delta R.T. -0.006 min

Lab File: BP024095.D

Acq: 19 Feb 2025 12:35

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

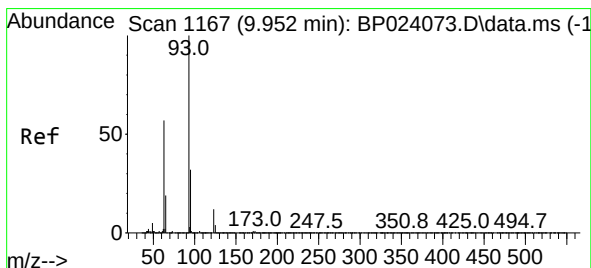
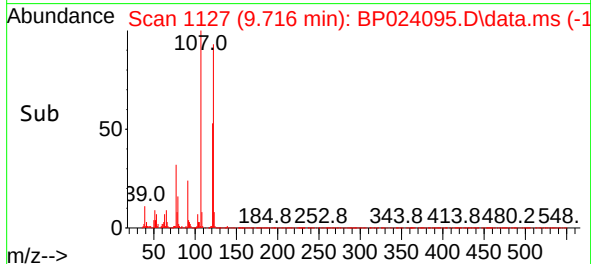
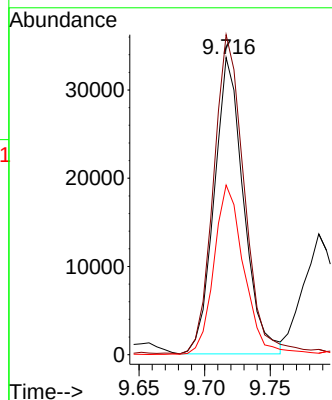
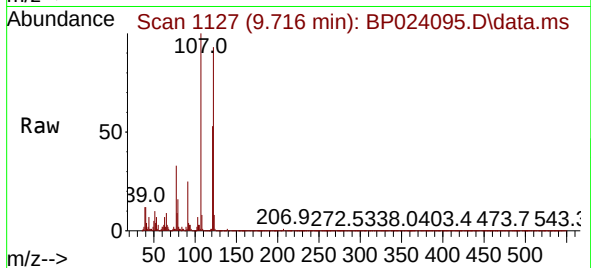
Tgt Ion:122 Resp: 52393

Ion Ratio Lower Upper

122 100

107 107.7 89.8 134.8

121 57.1 45.9 68.9



#28

bis(2-Chloroethoxy)methane

Concen: 4.079 ng

RT: 9.946 min Scan# 1166

Delta R.T. -0.006 min

Lab File: BP024095.D

Acq: 19 Feb 2025 12:35

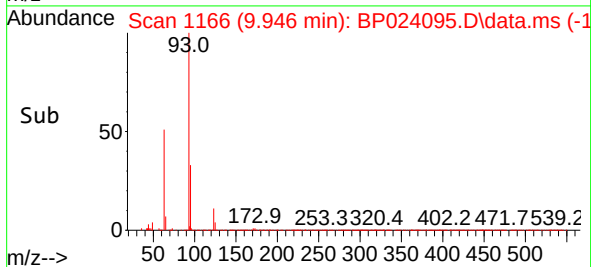
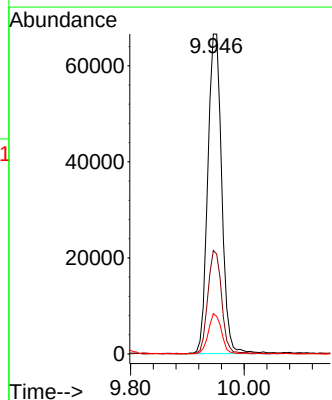
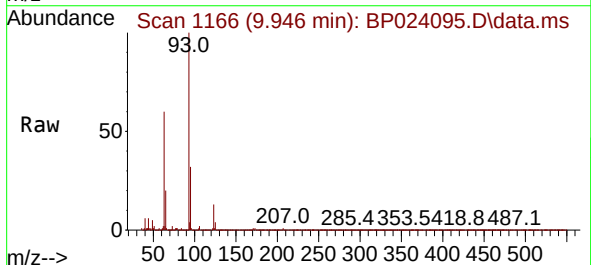
Tgt Ion: 93 Resp: 113026

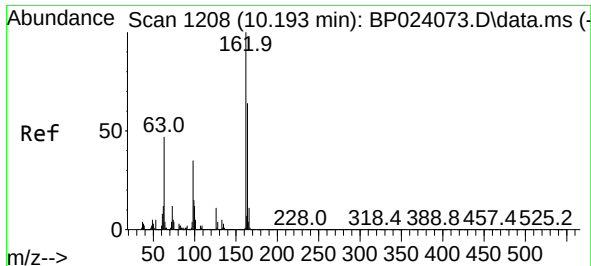
Ion Ratio Lower Upper

93 100

95 32.3 25.9 38.9

123 12.6 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 3.234 ng

RT: 10.187 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP024095.D

Acq: 19 Feb 2025 12:35

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

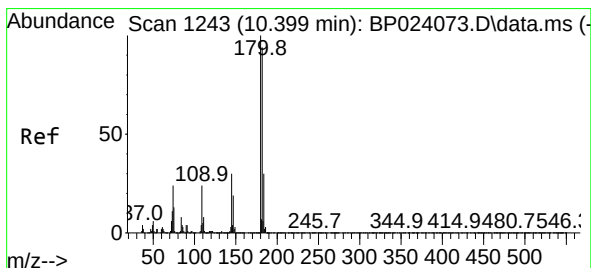
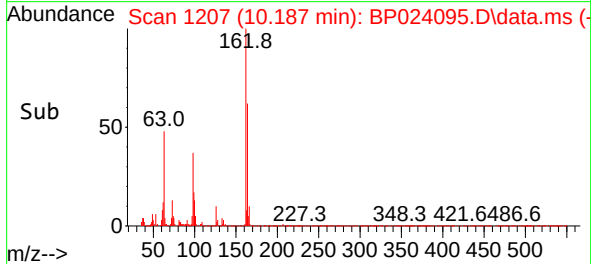
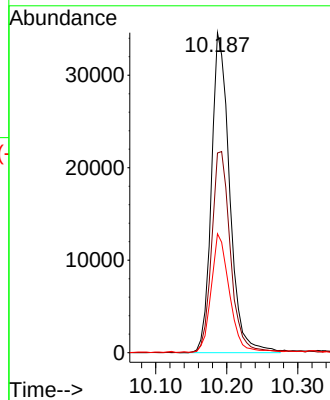
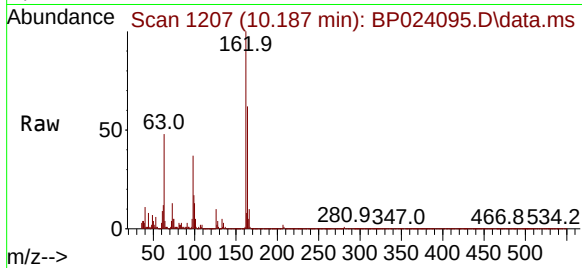
Tgt Ion:162 Resp: 61452

Ion Ratio Lower Upper

162 100

164 62.4 44.5 84.5

98 37.2 15.3 55.3



#30

1,2,4-Trichlorobenzene

Concen: 4.139 ng

RT: 10.399 min Scan# 1243

Delta R.T. 0.000 min

Lab File: BP024095.D

Acq: 19 Feb 2025 12:35

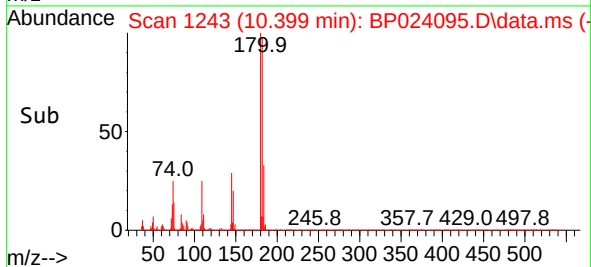
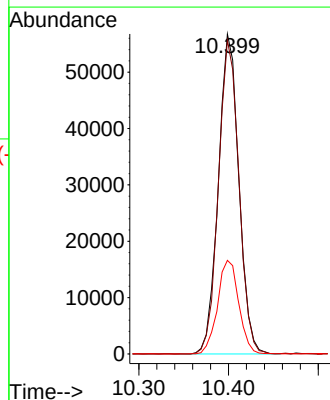
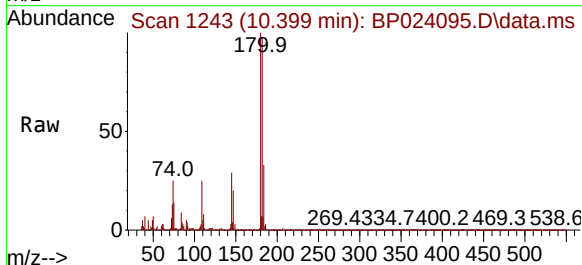
Tgt Ion:180 Resp: 90108

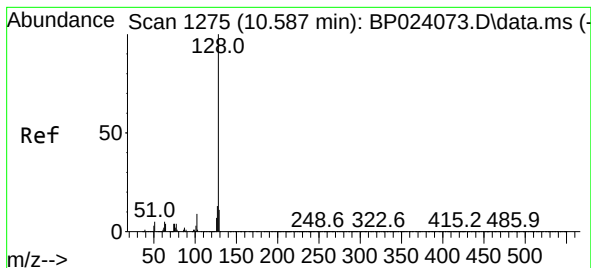
Ion Ratio Lower Upper

180 100

182 98.0 75.4 113.2

145 29.2 24.0 36.0





#31

Naphthalene

Concen: 4.251 ng

RT: 10.587 min Scan# 1139

Delta R.T. 0.000 min

Lab File: BP024095.D

Acq: 19 Feb 2025 12:35

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

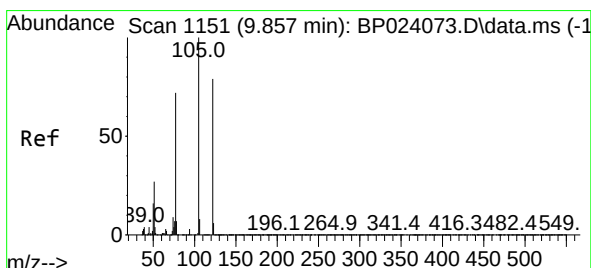
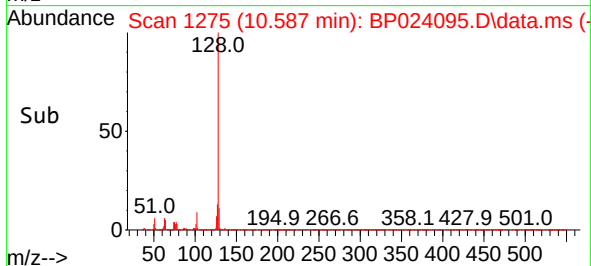
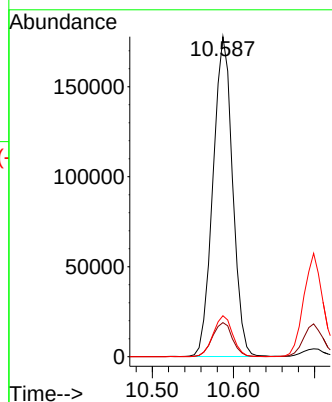
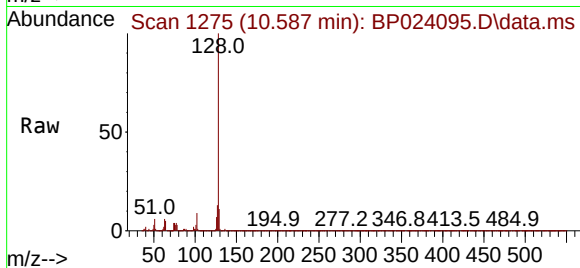
Tgt Ion:128 Resp: 298336

Ion Ratio Lower Upper

128 100

129 10.6 8.6 13.0

127 12.8 10.3 15.5



#32

Benzoic acid

Concen: 9.166 ng m

RT: 9.787 min Scan# 1139

Delta R.T. -0.070 min

Lab File: BP024095.D

Acq: 19 Feb 2025 12:35

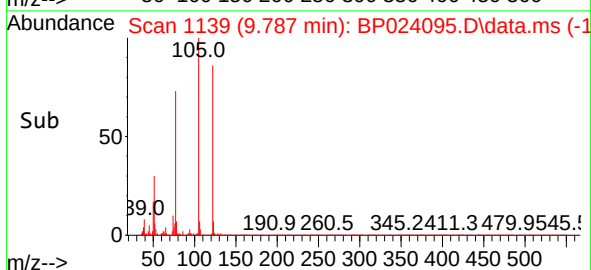
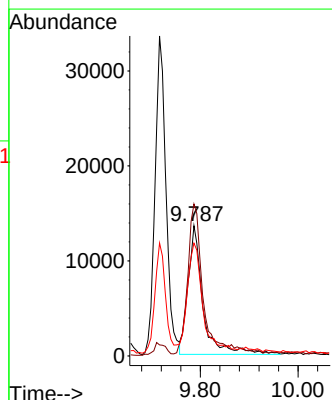
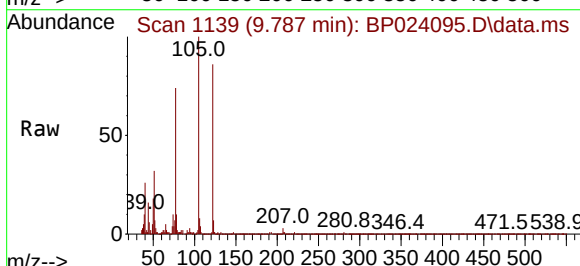
Tgt Ion:122 Resp: 29037

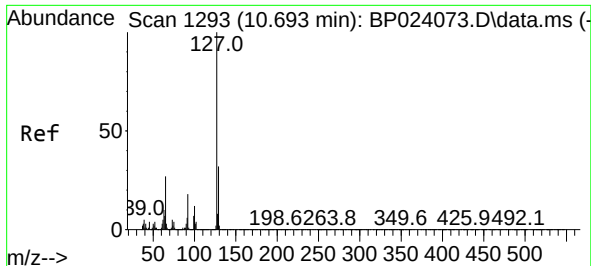
Ion Ratio Lower Upper

122 100

105 116.7 103.7 143.7

77 86.6 69.9 109.9

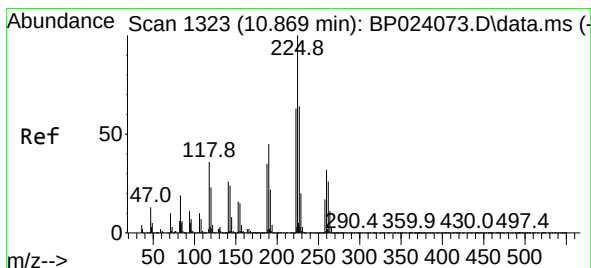
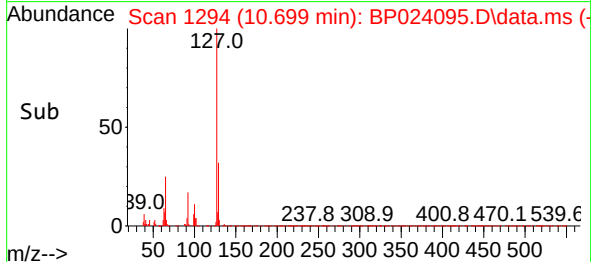
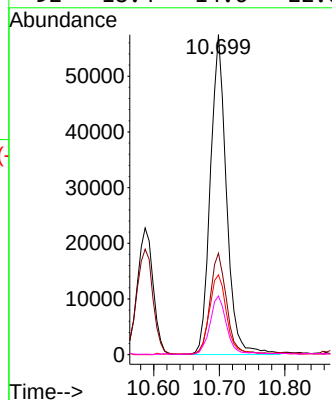
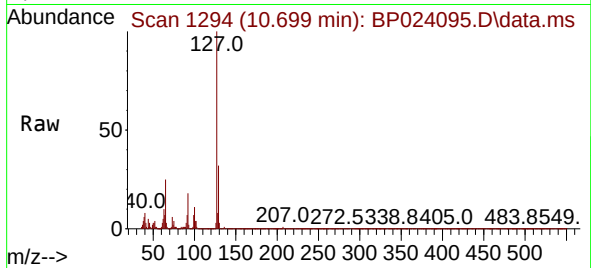




#33
4-Chloroaniline
Concen: 3.961 ng
RT: 10.699 min Scan# 1293
Delta R.T. 0.006 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

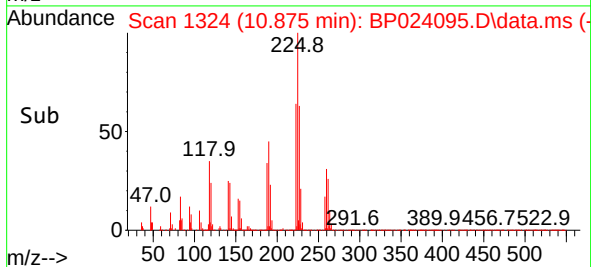
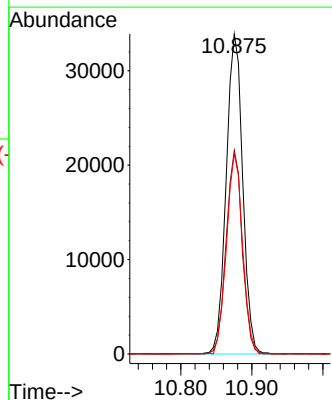
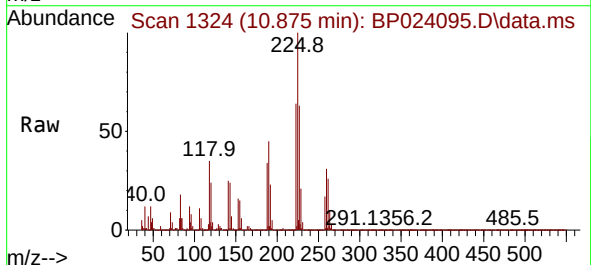
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

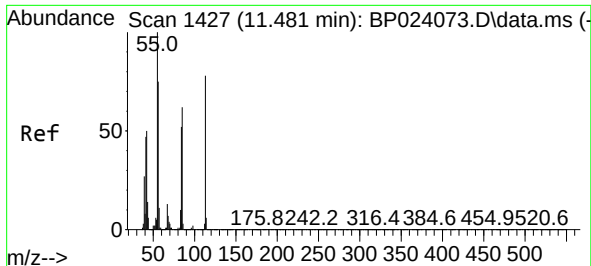
Tgt Ion:	127	Resp:	97918
Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.4	38.0
65	24.9	21.3	31.9
92	18.4	14.6	22.0



#34
Hexachlorobutadiene
Concen: 4.317 ng
RT: 10.875 min Scan# 1324
Delta R.T. 0.006 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

Tgt Ion:	225	Resp:	54428
Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.5	75.7
227	65.5	51.3	76.9

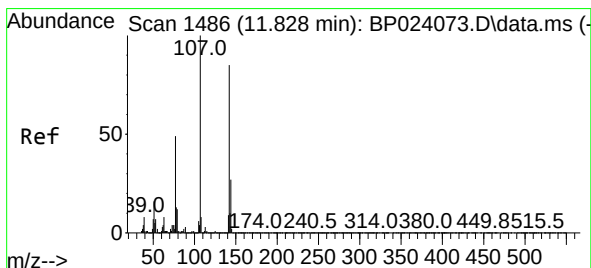
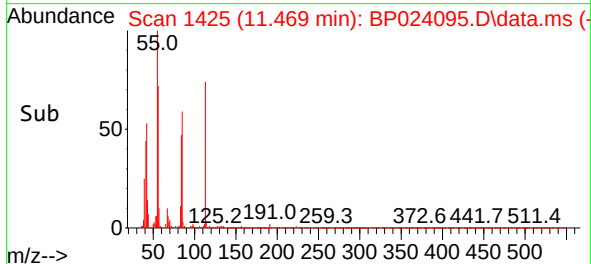
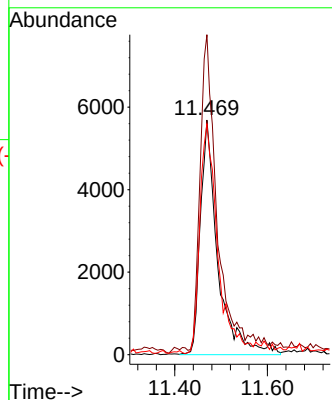
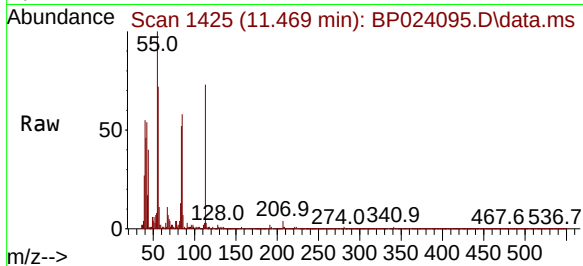




#35
Caprolactam
Concen: 7.637 ng m
RT: 11.469 min Scan# 1427
Delta R.T. -0.012 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

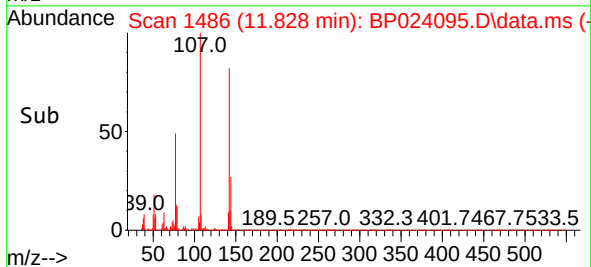
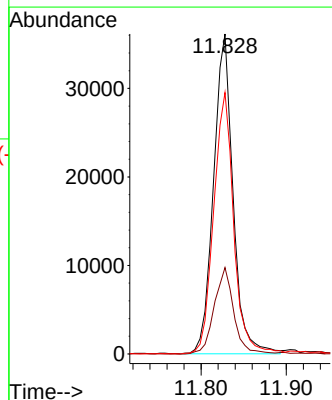
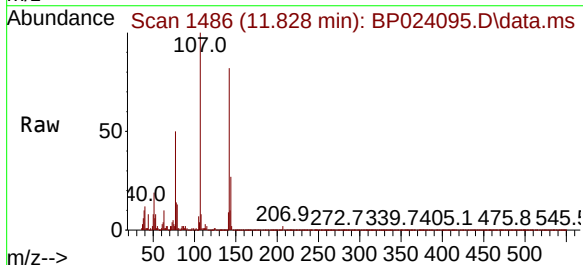
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025

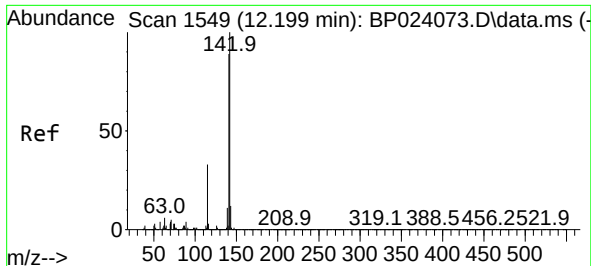
Tgt Ion:	113	Resp:	14940
Ion Ratio	Lower	Upper	
113	100		
55	136.4	108.8	148.8
56	98.5	76.5	116.5



#36
4-Chloro-3-methylphenol
Concen: 2.951 ng
RT: 11.828 min Scan# 1486
Delta R.T. 0.000 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

Tgt Ion:	107	Resp:	57643
Ion Ratio	Lower	Upper	
107	100		
144	27.0	21.8	32.8
142	81.7	67.8	101.8

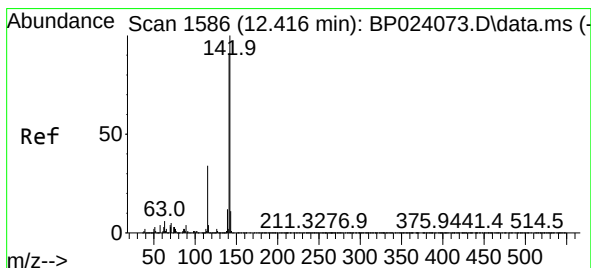
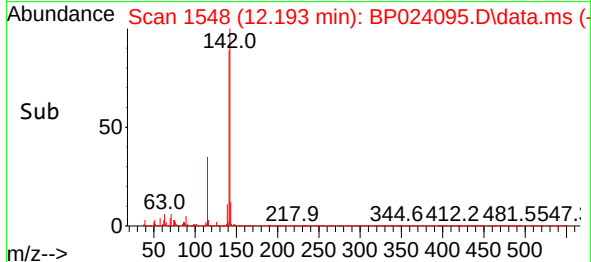
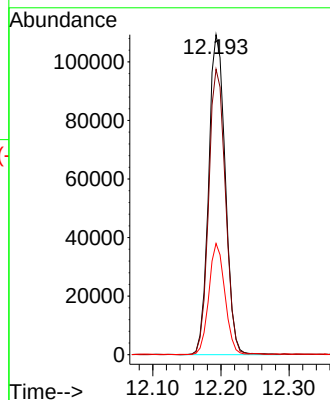
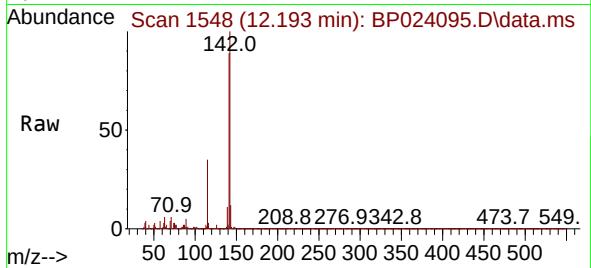




#37
2-Methylnaphthalene
Concen: 3.973 ng
RT: 12.193 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

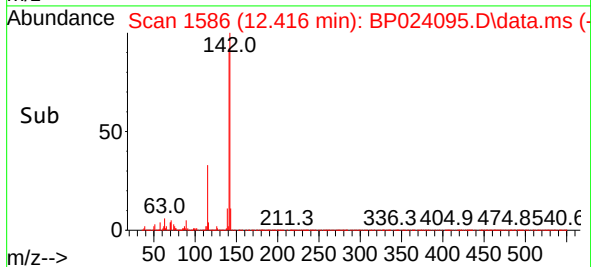
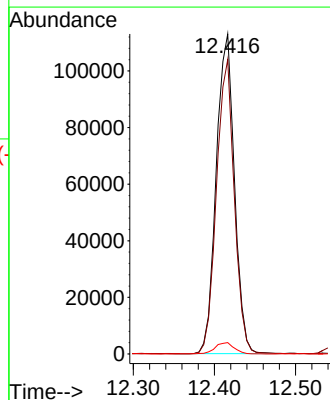
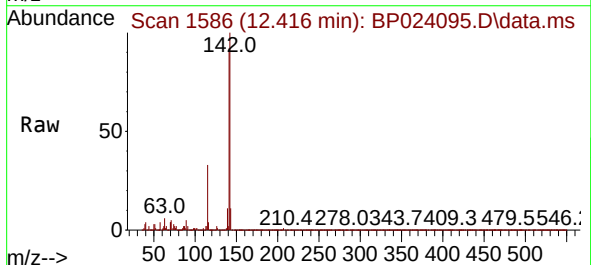
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

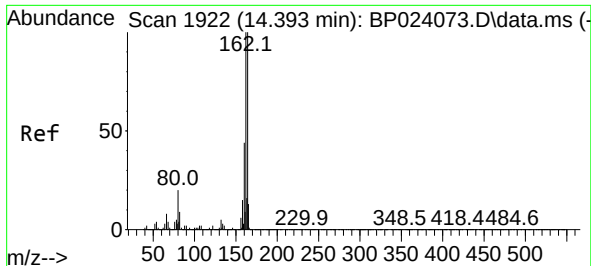
Tgt Ion:142 Resp: 185305
Ion Ratio Lower Upper
142 100
141 89.2 71.2 106.8
115 34.8 26.5 39.7



#38
1-Methylnaphthalene
Concen: 3.880 ng
RT: 12.416 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

Tgt Ion:142 Resp: 176068
Ion Ratio Lower Upper
142 100
141 92.0 73.0 109.6
116 3.6 2.8 4.2

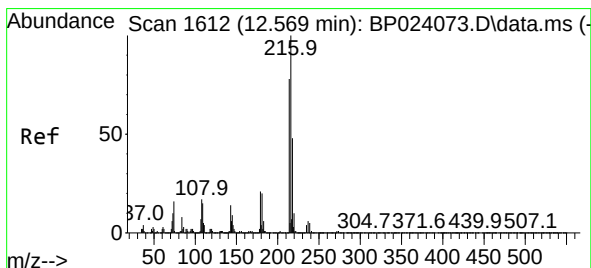
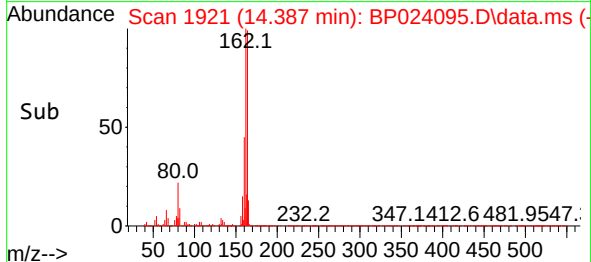
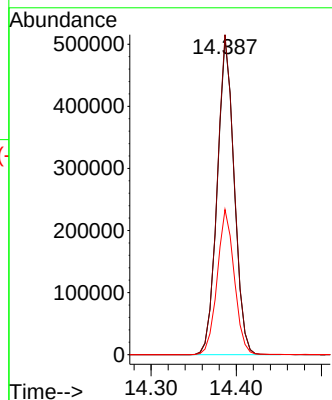
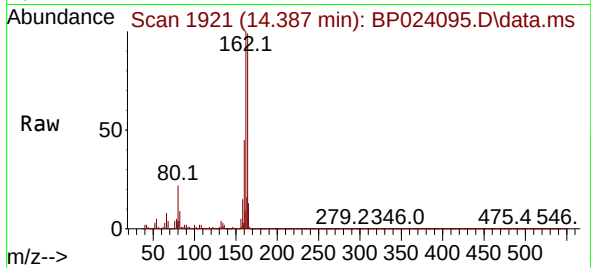




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.387 min Scan# 1921
Delta R.T. -0.006 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

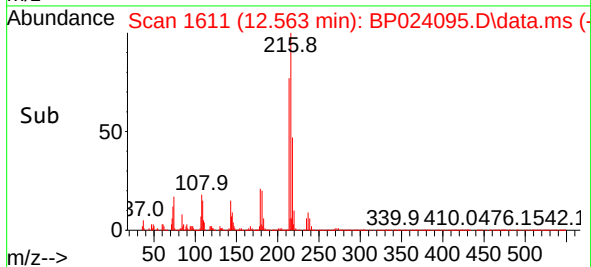
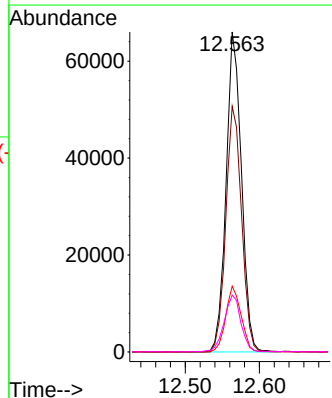
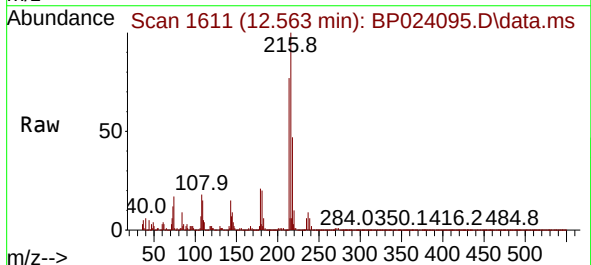
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

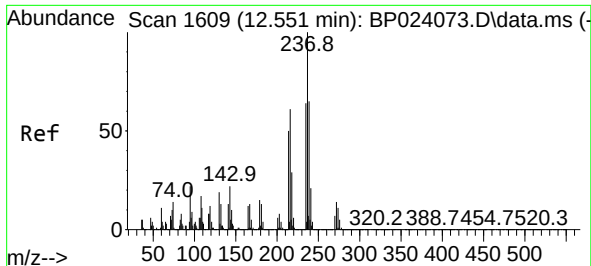
Tgt Ion:164 Resp: 703515
Ion Ratio Lower Upper
164 100
162 101.4 80.1 120.1
160 46.0 35.6 53.4



#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.386 ng
RT: 12.563 min Scan# 1611
Delta R.T. -0.006 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

Tgt Ion:216 Resp: 94818
Ion Ratio Lower Upper
216 100
214 78.9 62.7 94.1
179 20.7 16.6 25.0
108 19.4 15.0 22.6

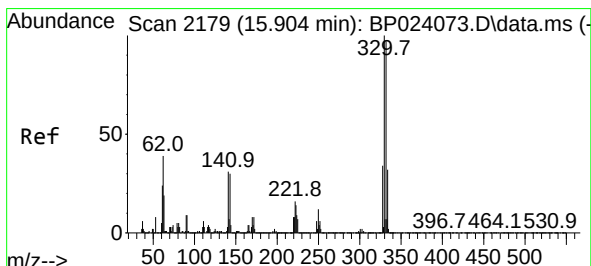
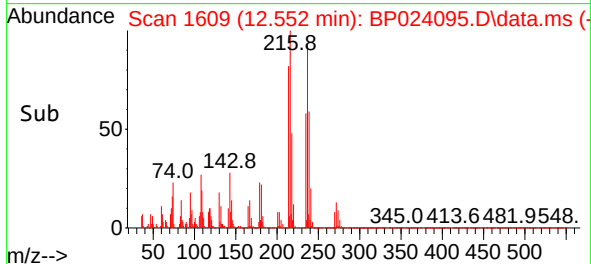
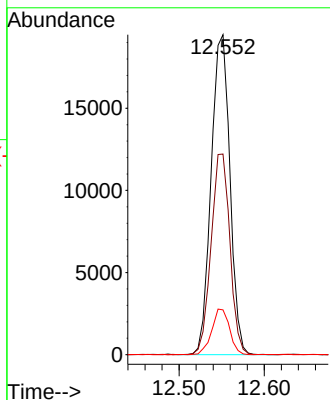
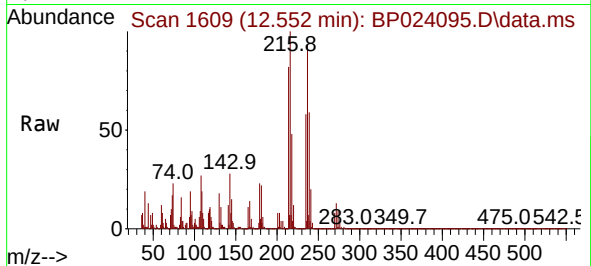




#41
Hexachlorocyclopentadiene
Concen: 3.700 ng
RT: 12.552 min Scan# 1609
Delta R.T. 0.000 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

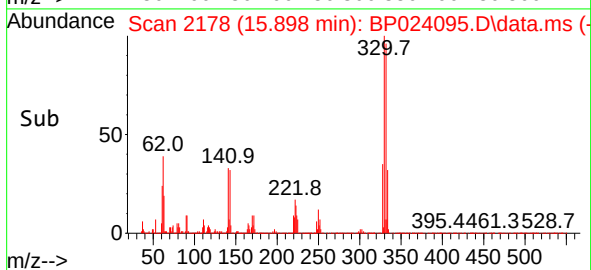
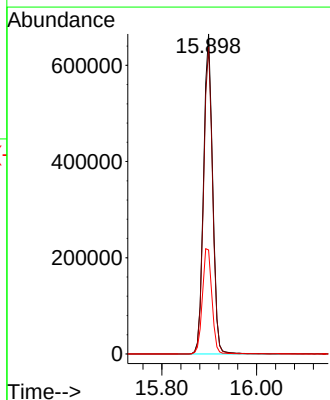
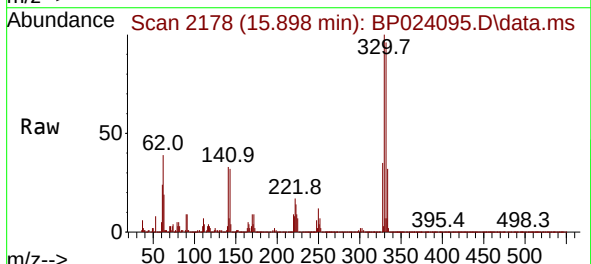
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

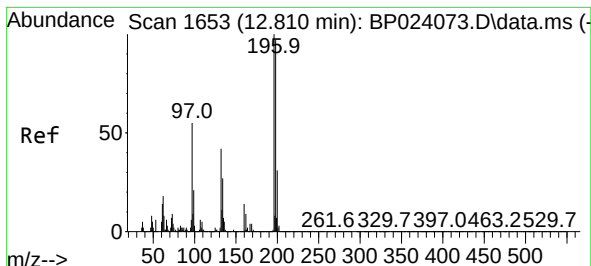
Tgt Ion:237 Resp: 29760
Ion Ratio Lower Upper
237 100
235 62.7 43.5 83.5
272 14.0 0.0 33.7



#42
2,4,6-Tribromophenol
Concen: 102.827 ng
RT: 15.898 min Scan# 2178
Delta R.T. -0.006 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

Tgt Ion:330 Resp: 886087
Ion Ratio Lower Upper
330 100
332 96.0 77.0 115.4
141 34.5 28.3 42.5





#43

2,4,6-Trichlorophenol

Concen: 3.176 ng

RT: 12.810 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP024095.D

Acq: 19 Feb 2025 12:35

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

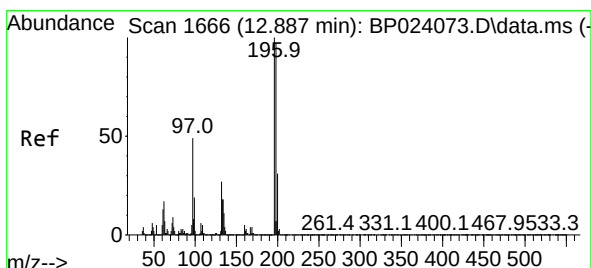
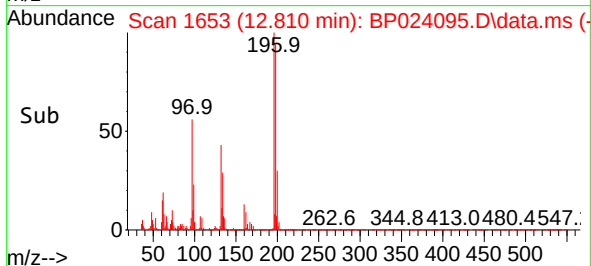
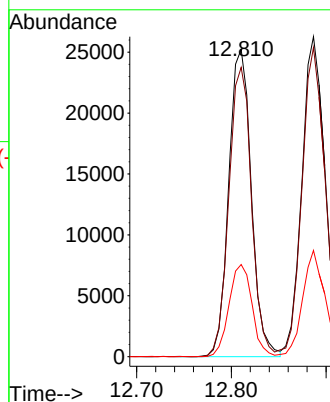
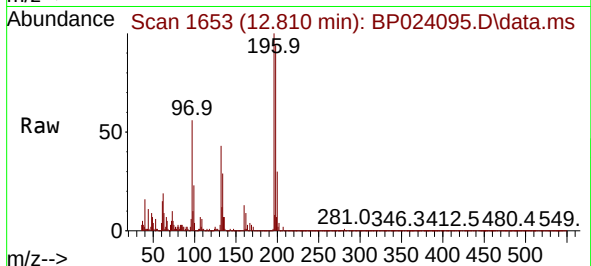
Tgt Ion:196 Resp: 41869

Ion Ratio Lower Upper

196 100

198 94.1 77.8 116.6

200 30.0 25.0 37.4



#44

2,4,5-Trichlorophenol

Concen: 3.191 ng

RT: 12.887 min Scan# 1666

Delta R.T. 0.000 min

Lab File: BP024095.D

Acq: 19 Feb 2025 12:35

Tgt Ion:196 Resp: 46007

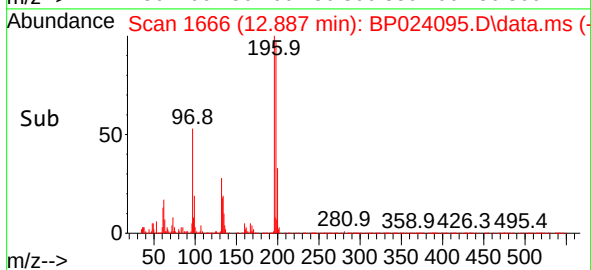
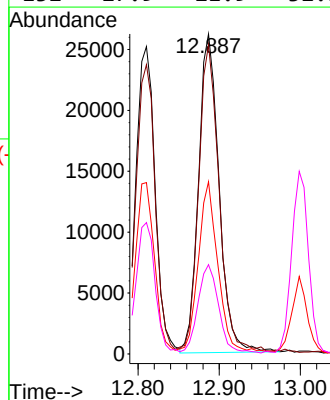
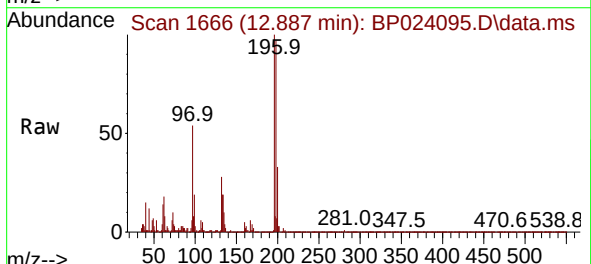
Ion Ratio Lower Upper

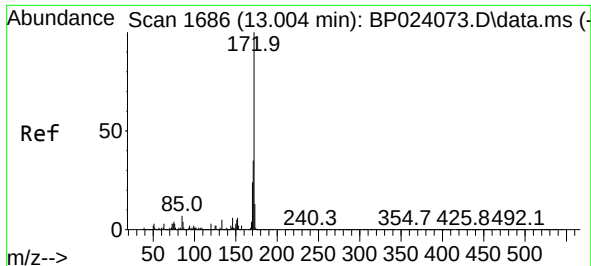
196 100

198 96.6 77.4 116.2

97 53.8 39.0 58.4

132 27.9 21.9 32.9

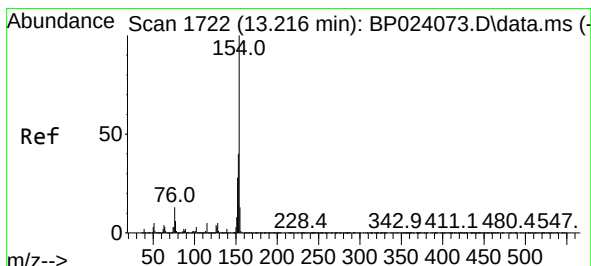
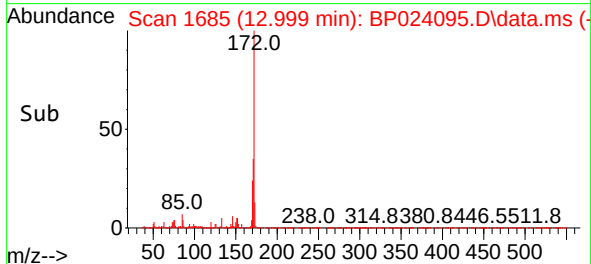
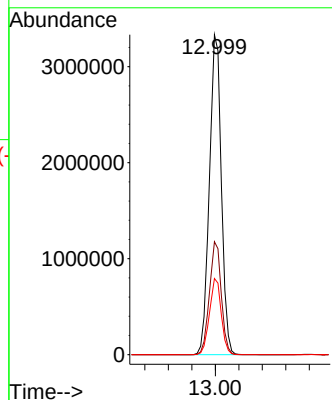
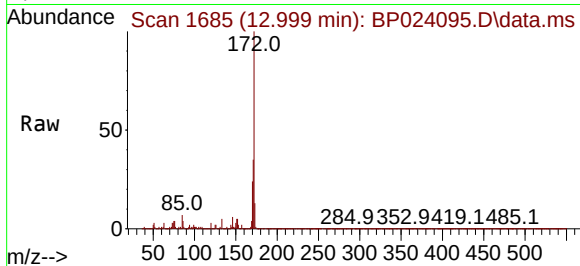




#45
2-Fluorobiphenyl
Concen: 92.907 ng
RT: 12.999 min Scan# 1685
Delta R.T. -0.006 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

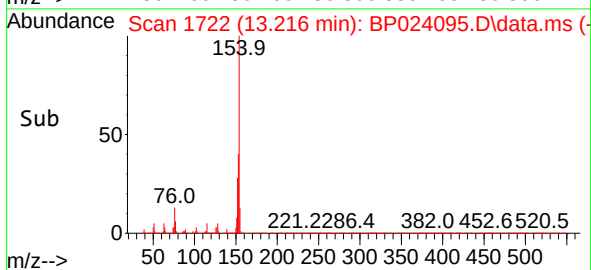
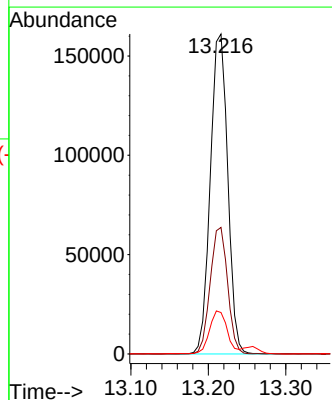
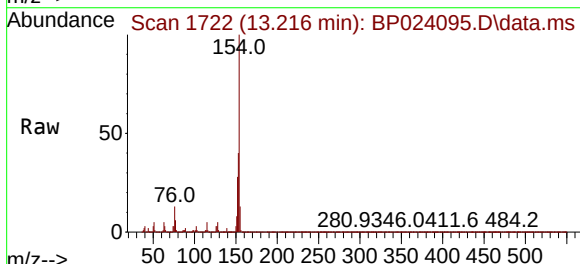
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

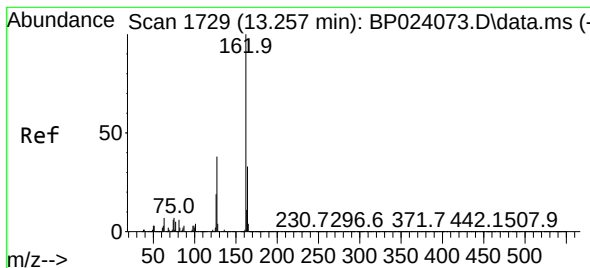
Tgt Ion:172 Resp: 4675377
Ion Ratio Lower Upper
172 100
171 35.3 28.2 42.2
170 23.8 19.0 28.6



#46
1,1'-Biphenyl
Concen: 4.594 ng
RT: 13.216 min Scan# 1722
Delta R.T. 0.000 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

Tgt Ion:154 Resp: 251168
Ion Ratio Lower Upper
154 100
153 39.5 20.0 60.0
76 13.0 0.0 32.6

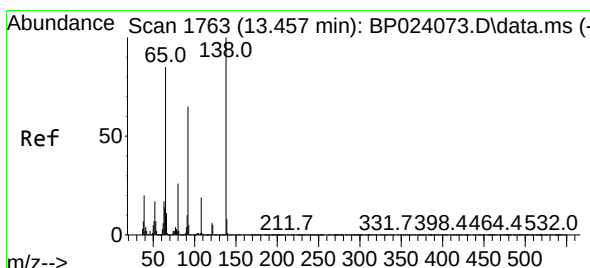
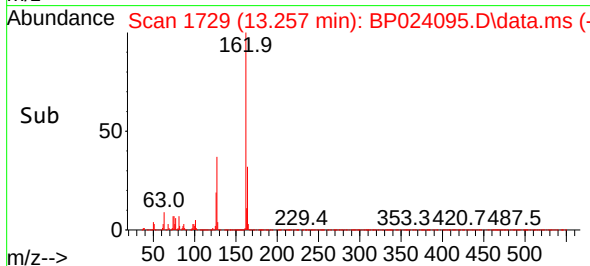
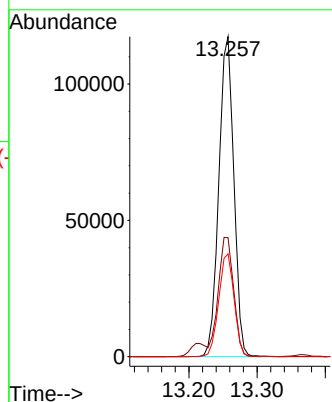
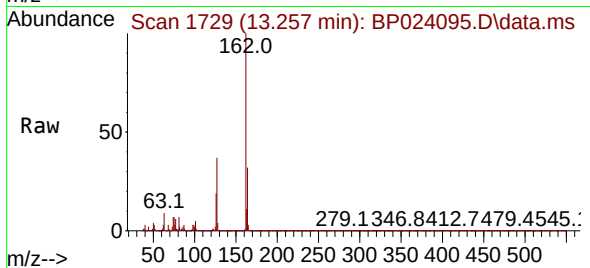




#47
2-Chloronaphthalene
Concen: 4.355 ng
RT: 13.257 min Scan# 1729
Delta R.T. 0.000 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

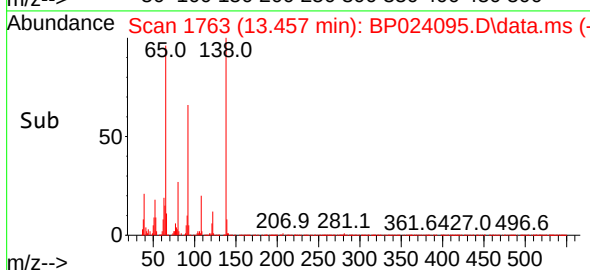
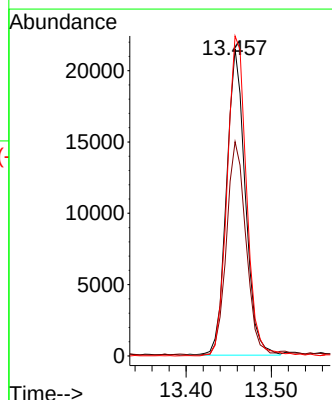
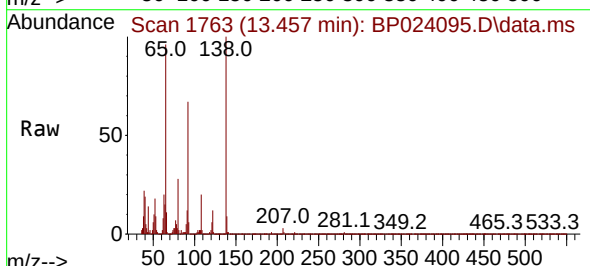
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025

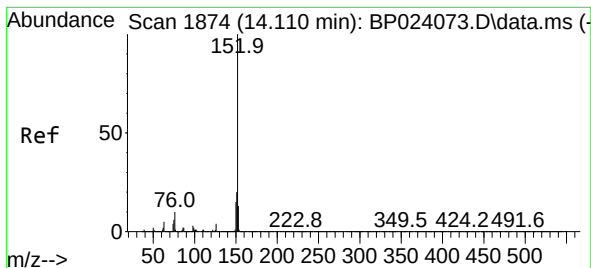
Tgt Ion:162 Resp: 179979
Ion Ratio Lower Upper
162 100
127 37.2 30.7 46.1
164 32.2 26.6 39.8



#48
2-Nitroaniline
Concen: 3.375 ng
RT: 13.457 min Scan# 1763
Delta R.T. 0.000 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

Tgt Ion: 65 Resp: 32946
Ion Ratio Lower Upper
65 100
92 69.8 61.7 92.5
138 104.2 94.6 142.0





#49

Acenaphthylene

Concen: 4.072 ng

RT: 14.110 min Scan# 1874

Delta R.T. 0.000 min

Lab File: BP024095.D

Acq: 19 Feb 2025 12:35

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

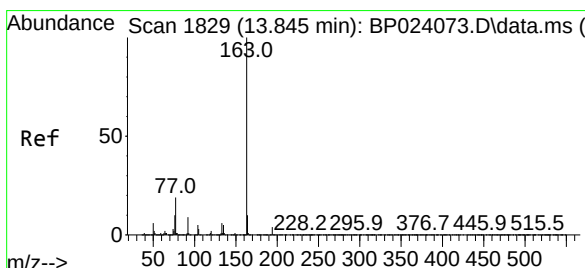
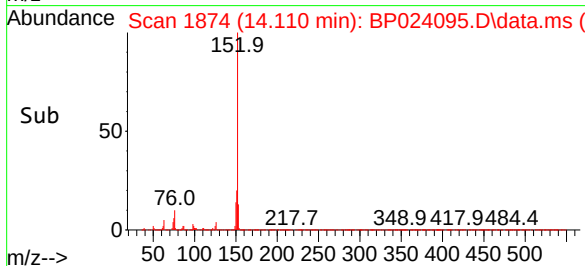
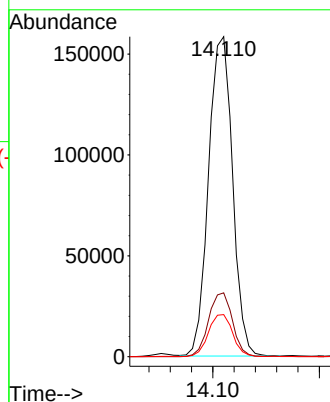
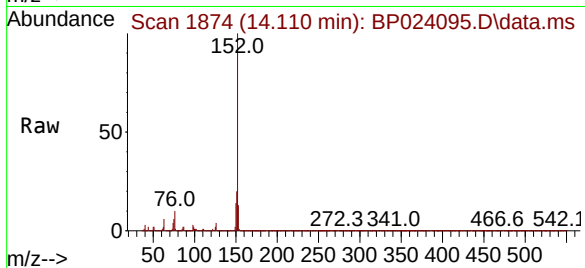
Tgt Ion:152 Resp: 247925

Ion Ratio Lower Upper

152 100

151 19.9 15.8 23.8

153 13.2 10.7 16.1



#50

Dimethylphthalate

Concen: 3.928 ng

RT: 13.840 min Scan# 1828

Delta R.T. -0.006 min

Lab File: BP024095.D

Acq: 19 Feb 2025 12:35

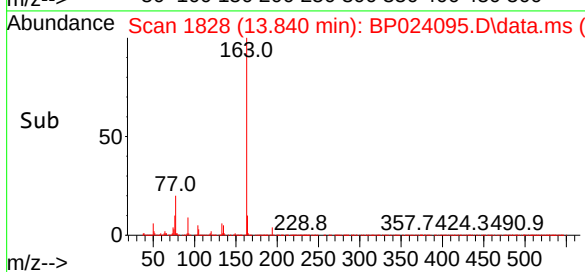
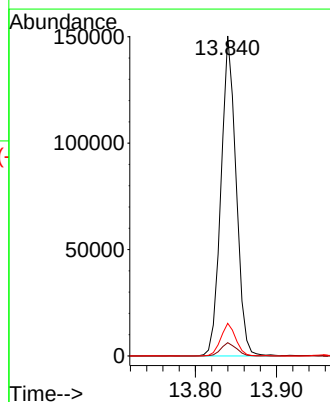
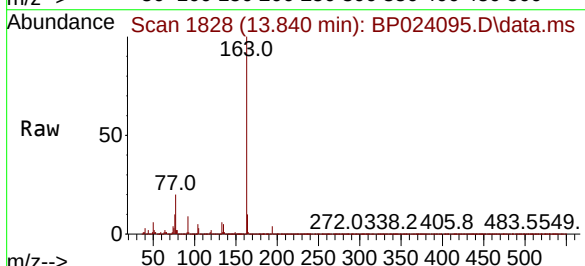
Tgt Ion:163 Resp: 194916

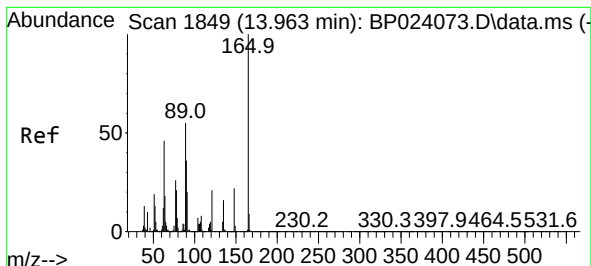
Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.2

164 10.2 8.1 12.1





#51

2,6-Dinitrotoluene

Concen: 3.181 ng

RT: 13.957 min Scan# 1848

Delta R.T. -0.006 min

Lab File: BP024095.D

Acq: 19 Feb 2025 12:35

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

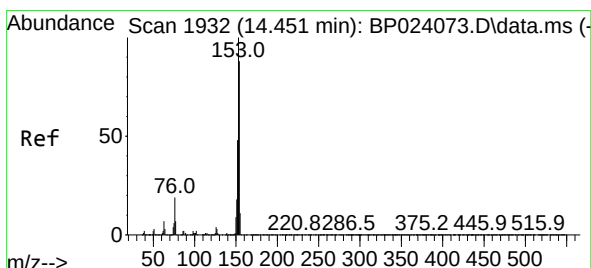
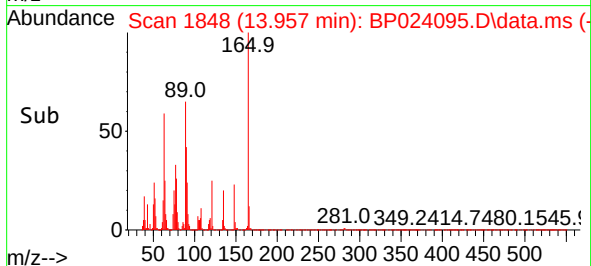
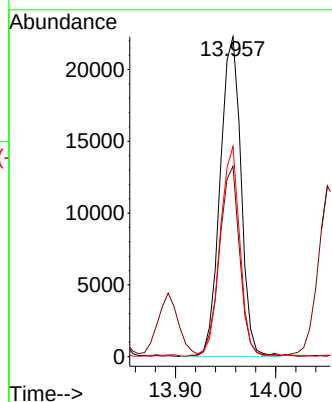
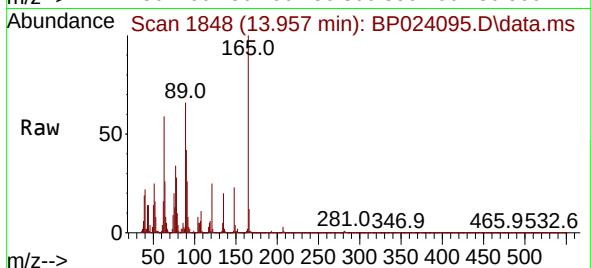
Tgt Ion:165 Resp: 32156

Ion Ratio Lower Upper

165 100

63 59.5 40.1 60.1

89 65.7 44.2 66.4



#52

Acenaphthene

Concen: 4.181 ng

RT: 14.451 min Scan# 1932

Delta R.T. 0.000 min

Lab File: BP024095.D

Acq: 19 Feb 2025 12:35

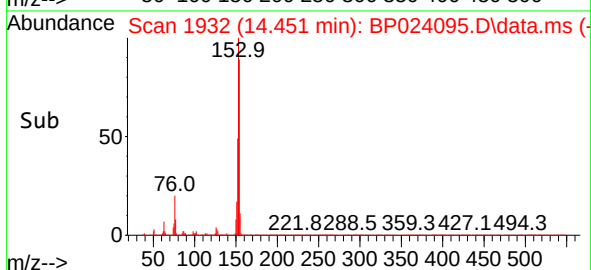
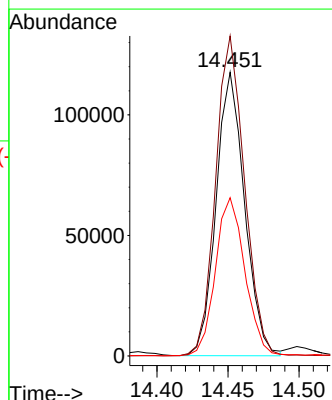
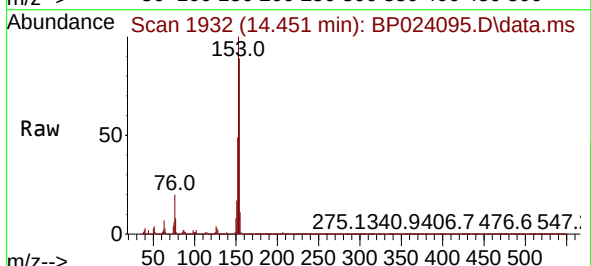
Tgt Ion:154 Resp: 163932

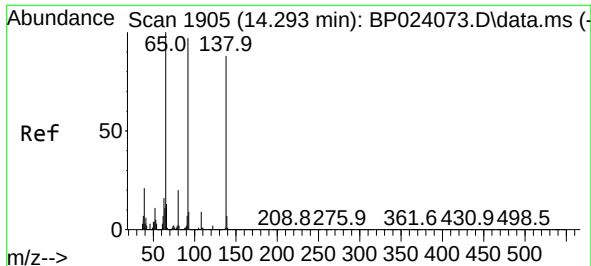
Ion Ratio Lower Upper

154 100

153 112.8 90.6 135.8

152 55.7 43.6 65.4

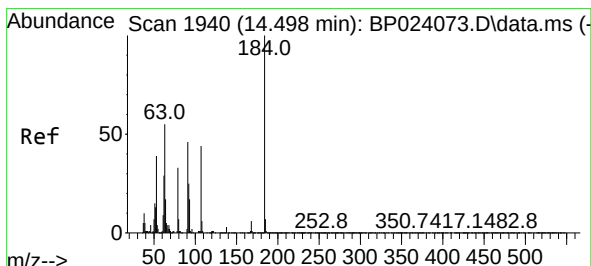
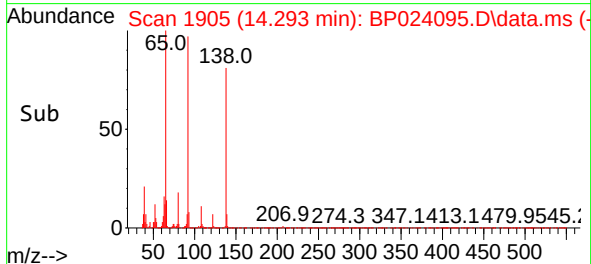
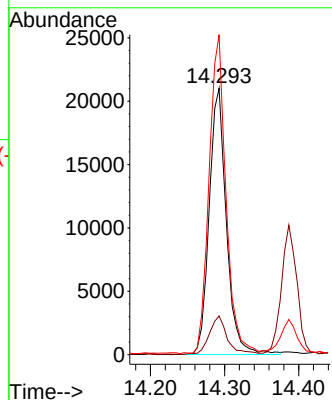
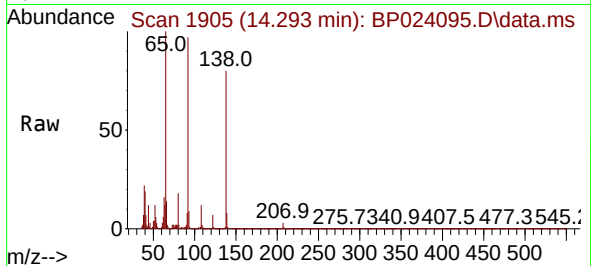




#53
3-Nitroaniline
Concen: 3.132 ng
RT: 14.293 min Scan# 1905
Delta R.T. 0.000 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

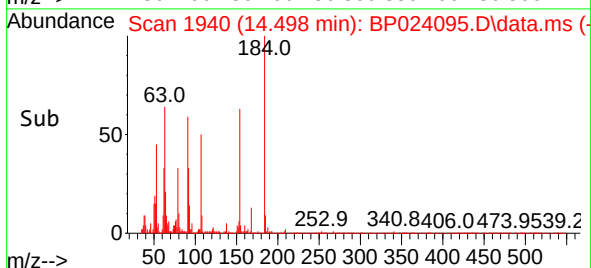
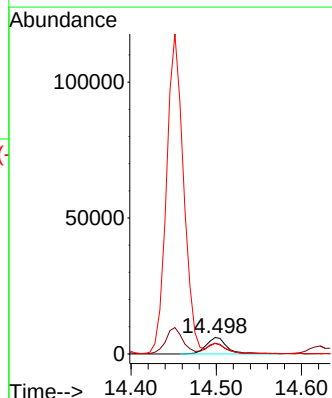
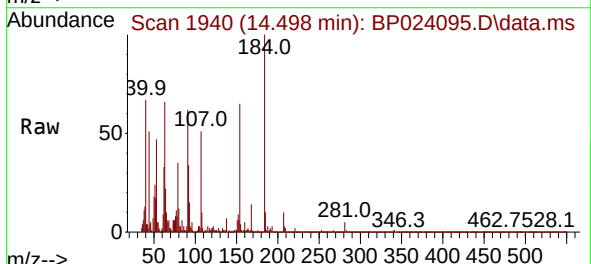
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

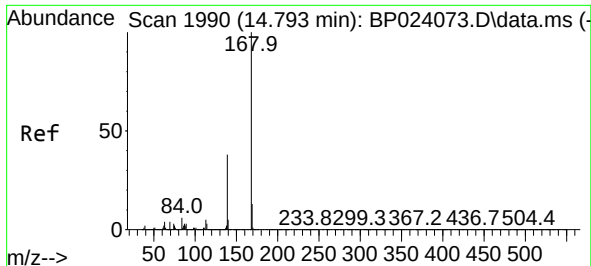
Tgt Ion:138 Resp: 33787
Ion Ratio Lower Upper
138 100
108 14.5 7.8 11.8#
92 120.1 88.4 132.6



#54
2,4-Dinitrophenol
Concen: 9.157 ng
RT: 14.498 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

Tgt Ion:184 Resp: 10172
Ion Ratio Lower Upper
184 100
63 65.6 49.4 74.0
154 64.6 49.2 73.8

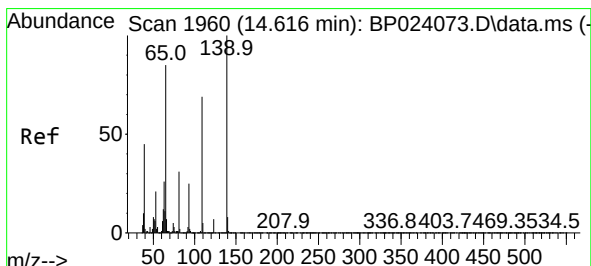
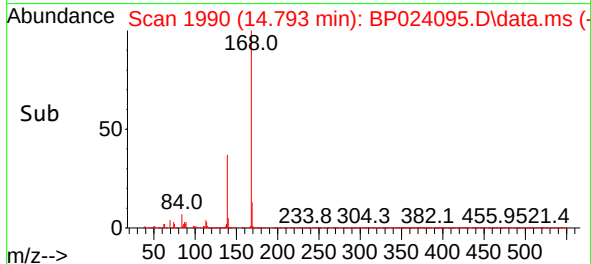
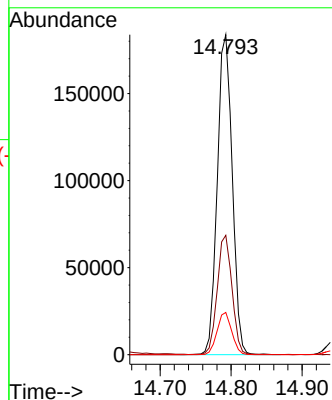
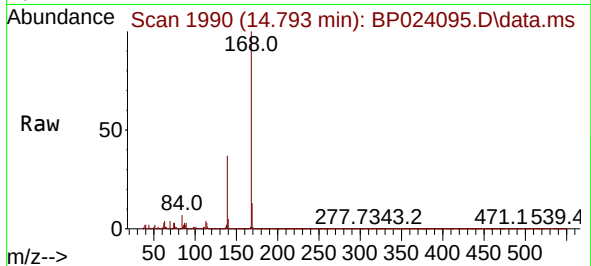




#55
Dibenzofuran
Concen: 4.195 ng
RT: 14.793 min Scan# 1990
Delta R.T. 0.000 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

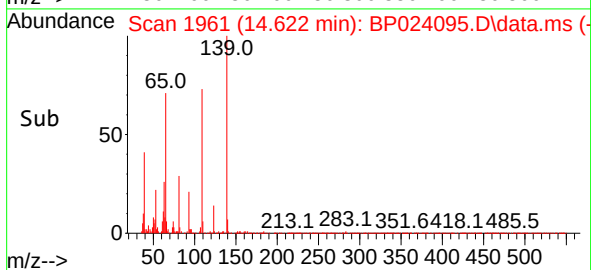
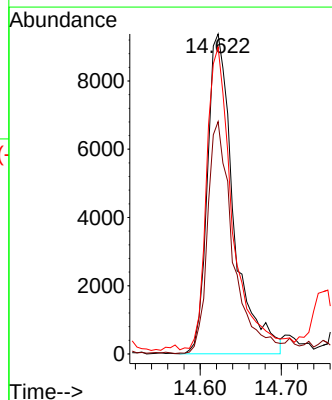
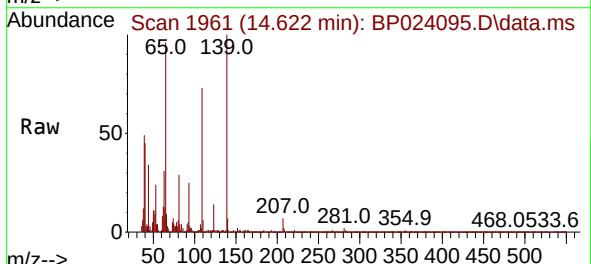
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

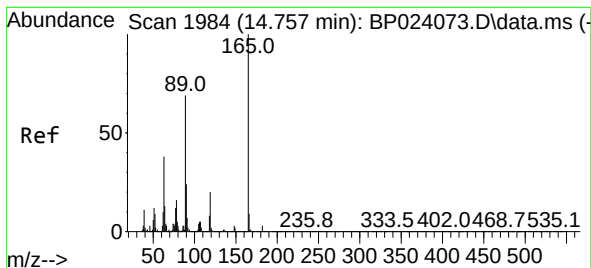
Tgt Ion:168 Resp: 267189
Ion Ratio Lower Upper
168 100
139 37.3 30.2 45.2
169 13.2 10.7 16.1



#56
4-Nitrophenol
Concen: 2.267 ng
RT: 14.622 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

Tgt Ion:139 Resp: 21122
Ion Ratio Lower Upper
139 100
109 72.6 49.2 89.2
65 95.9 65.4 105.4

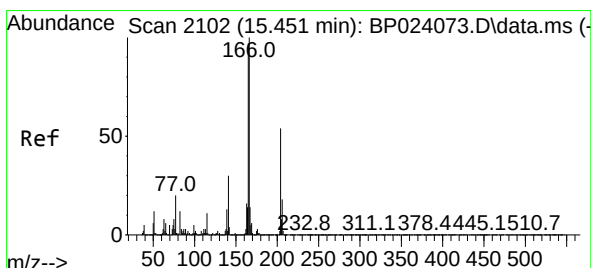
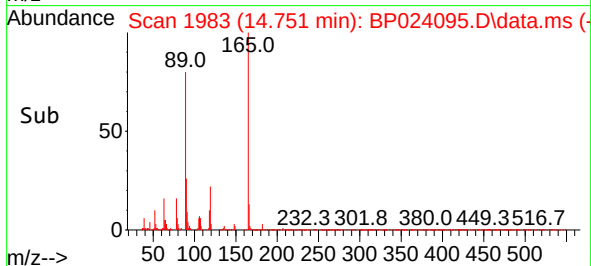
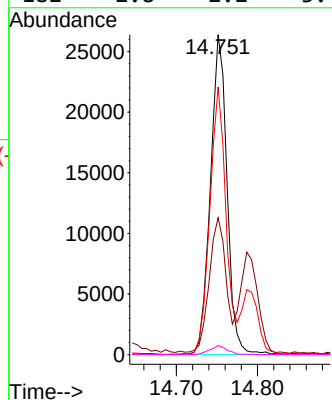
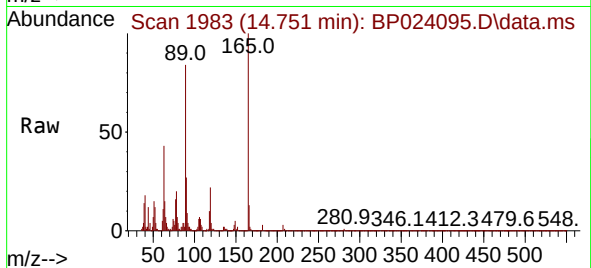




#57
2,4-Dinitrotoluene
Concen: 2.847 ng
RT: 14.751 min Scan# 1983
Delta R.T. -0.006 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

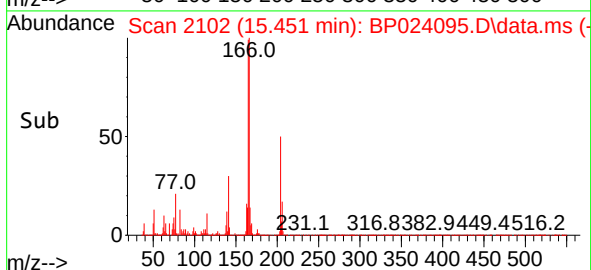
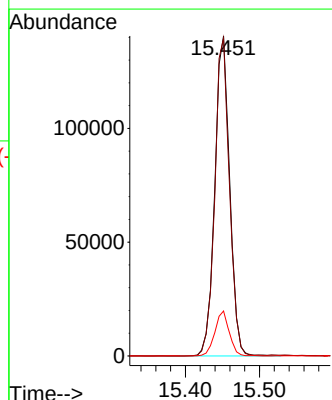
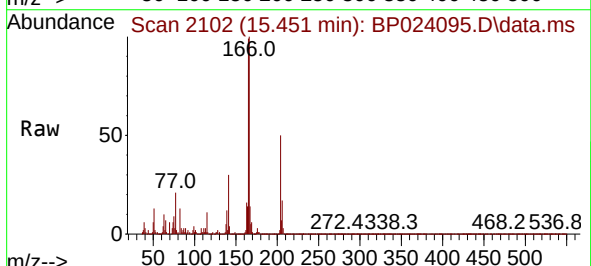
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

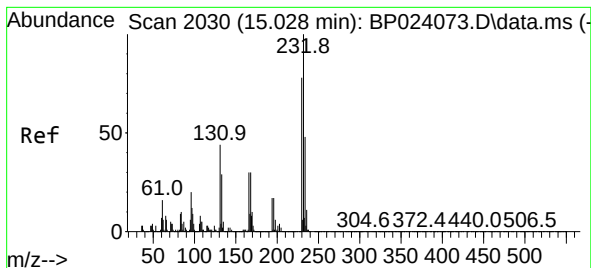
Tgt Ion:	165	Resp:	37388
Ion Ratio	Lower	Upper	
165	100		
63	42.8	30.4	45.6
89	83.6	54.8	82.2#
182	2.8	2.2	3.4



#58
Fluorene
Concen: 3.932 ng
RT: 15.451 min Scan# 2102
Delta R.T. 0.000 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

Tgt Ion:	166	Resp:	195596
Ion Ratio	Lower	Upper	
166	100		
165	99.4	77.5	116.3
167	14.1	10.9	16.3

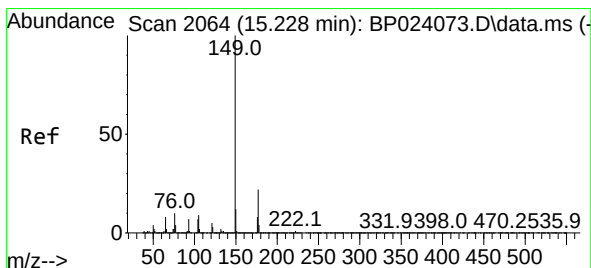
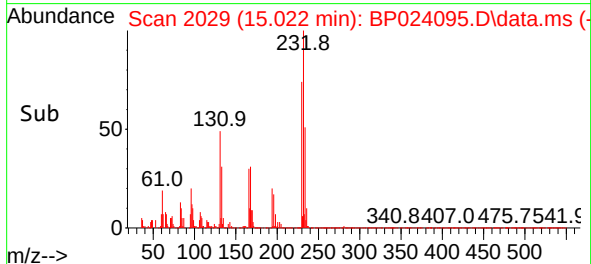
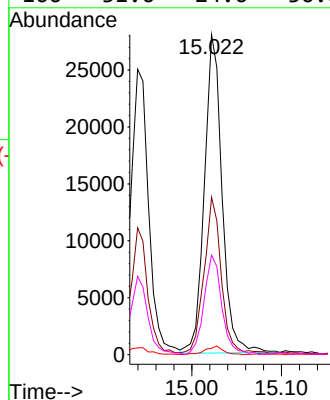
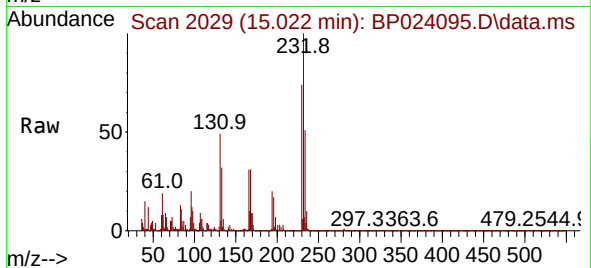




#59
2,3,4,6-Tetrachlorophenol
Concen: 3.065 ng
RT: 15.022 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

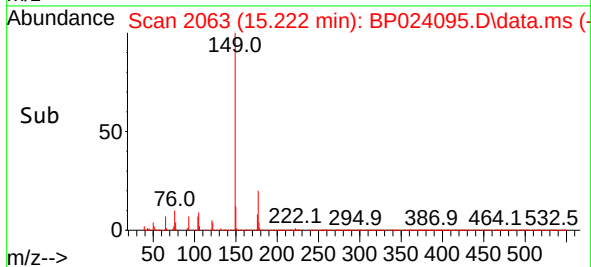
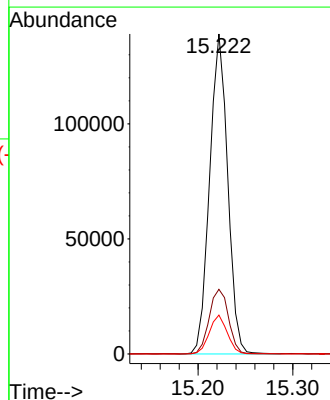
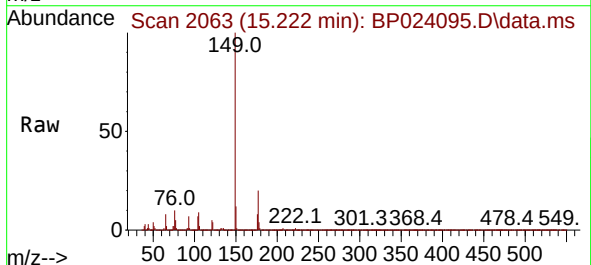
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

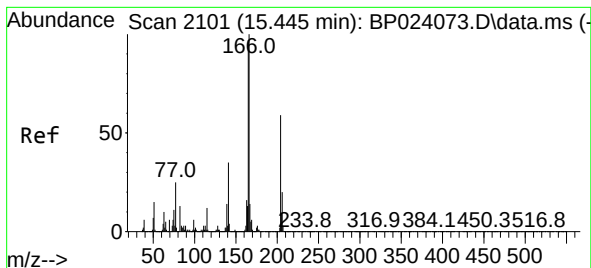
Tgt Ion:	232	Resp:	38340
Ion	Ratio	Lower	Upper
232	100		
131	47.5	37.3	55.9
130	2.7	1.9	2.9
166	31.6	24.6	36.8



#60
Diethylphthalate
Concen: 3.731 ng
RT: 15.222 min Scan# 2063
Delta R.T. -0.006 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

Tgt Ion:	149	Resp:	183805
Ion	Ratio	Lower	Upper
149	100		
177	20.2	17.9	26.9
150	12.1	9.8	14.6

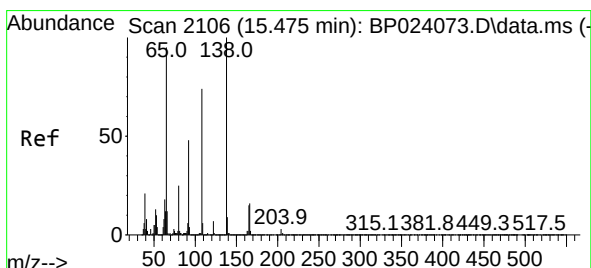
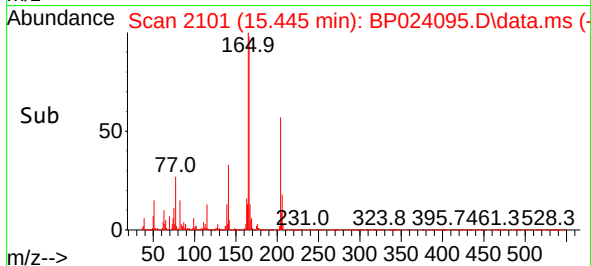
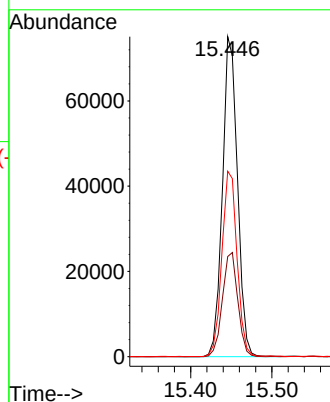
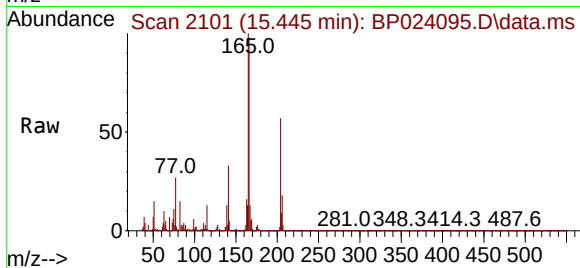




#61
4-Chlorophenyl-phenylether
Concen: 3.948 ng
RT: 15.445 min Scan# 2101
Delta R.T. 0.000 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

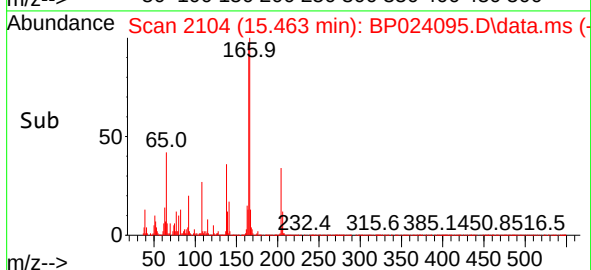
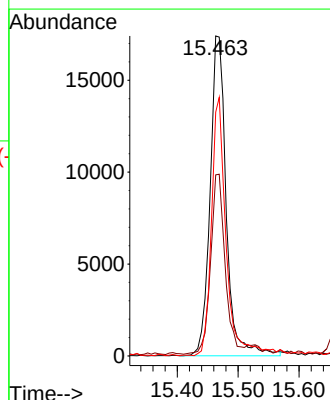
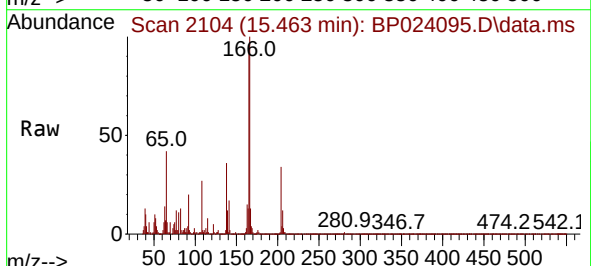
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

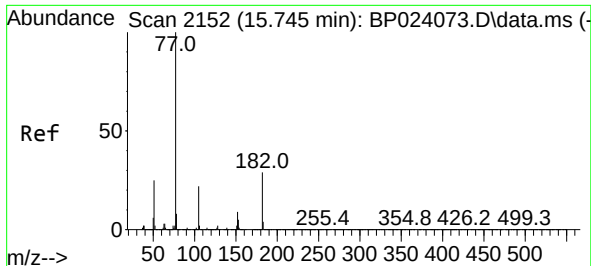
Tgt Ion:204 Resp: 96668
Ion Ratio Lower Upper
204 100
206 31.3 26.6 39.8
141 58.0 47.8 71.6



#62
4-Nitroaniline
Concen: 5.632 ng
RT: 15.463 min Scan# 2104
Delta R.T. -0.012 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

Tgt Ion:138 Resp: 32135
Ion Ratio Lower Upper
138 100
92 56.6 28.3 68.3
108 76.2 54.0 94.0

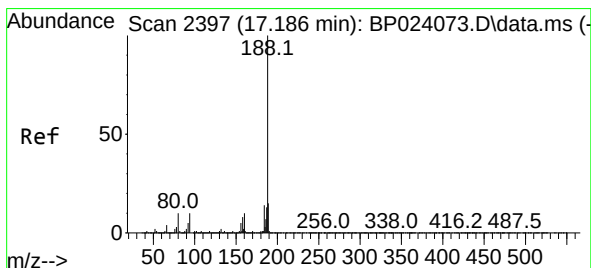
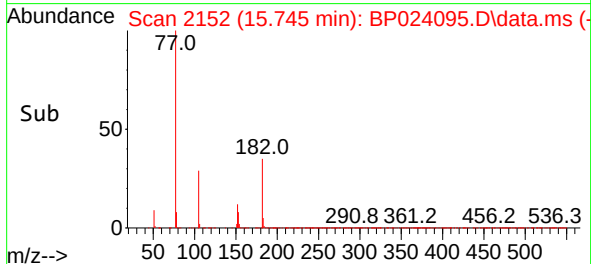
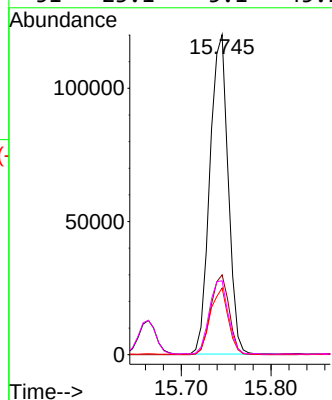
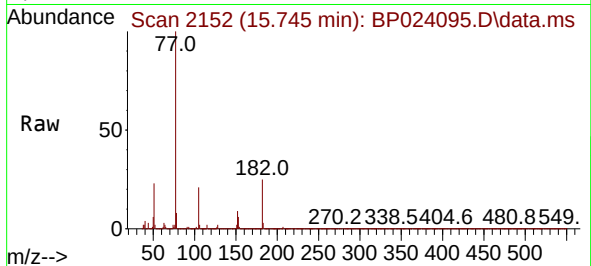




#63
Azobenzene
Concen: 3.664 ng
RT: 15.745 min Scan# 2152
Delta R.T. 0.000 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

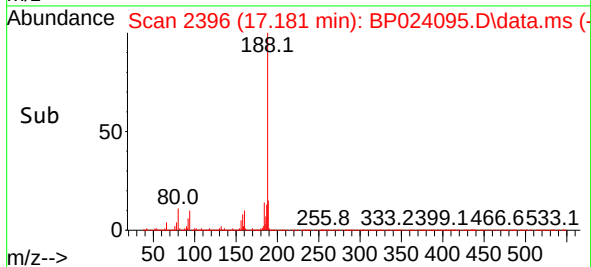
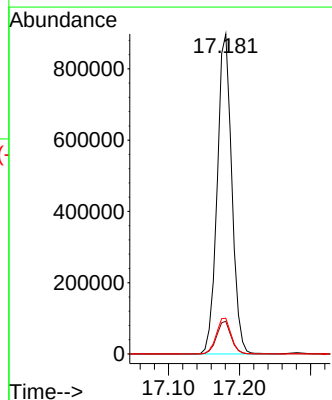
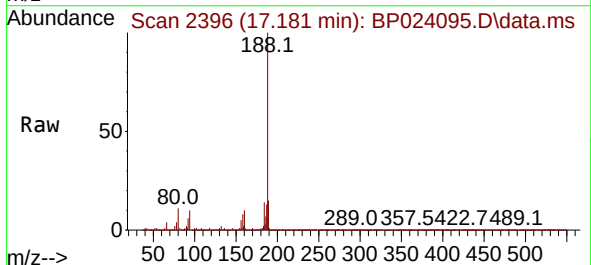
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

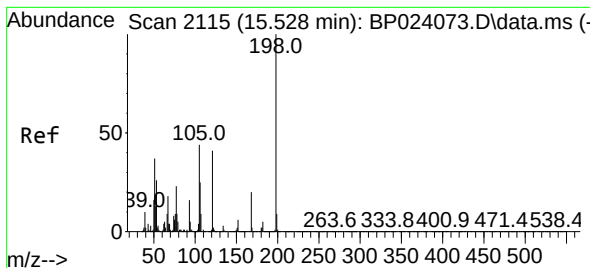
Tgt Ion: 77	Resp: 169137
Ion Ratio	Lower Upper
77 100	
182 25.0	8.5 48.5
105 20.9	1.8 41.8
51 23.1	5.1 45.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.181 min Scan# 2396
Delta R.T. -0.006 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

Tgt Ion:188	Resp: 1272863		
Ion Ratio	Lower	Upper	
188	100		
94	10.2	7.6	11.4
80	11.1	8.2	12.2

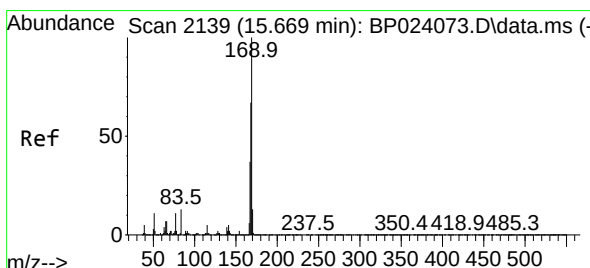
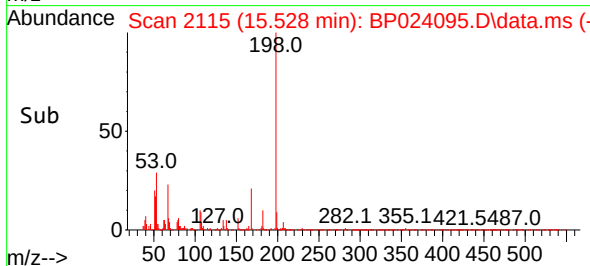
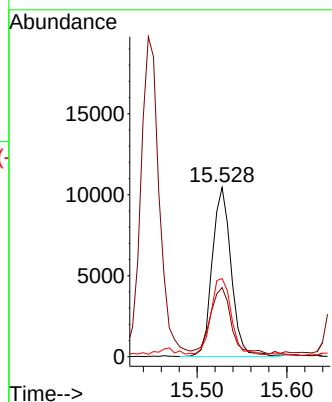
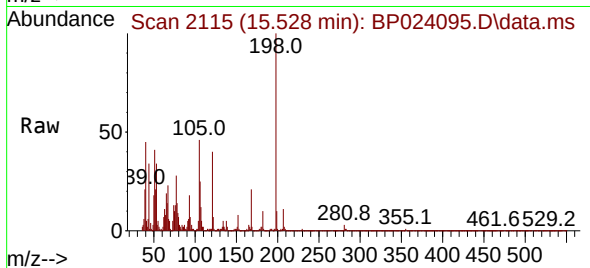




#65
4,6-Dinitro-2-methylphenol
Concen: 7.652 ng
RT: 15.528 min Scan# 2115
Delta R.T. -0.000 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

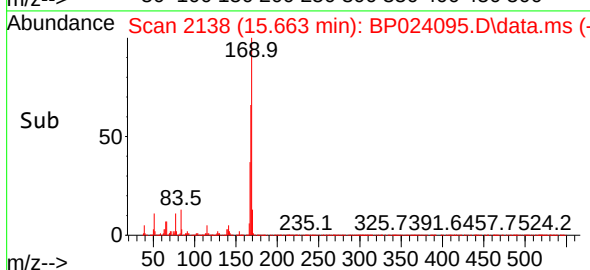
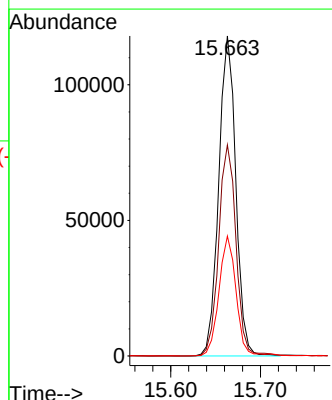
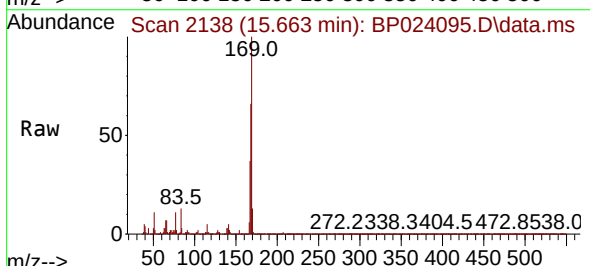
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

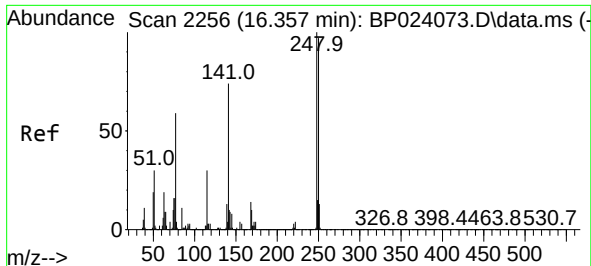
Tgt Ion:198 Resp: 15358
Ion Ratio Lower Upper
198 100
51 40.9 18.7 58.7
105 46.1 24.7 64.7



#66
n-Nitrosodiphenylamine
Concen: 3.928 ng
RT: 15.663 min Scan# 2138
Delta R.T. -0.006 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

Tgt Ion:169 Resp: 155927
Ion Ratio Lower Upper
169 100
168 65.9 53.6 80.4
167 37.5 29.5 44.3

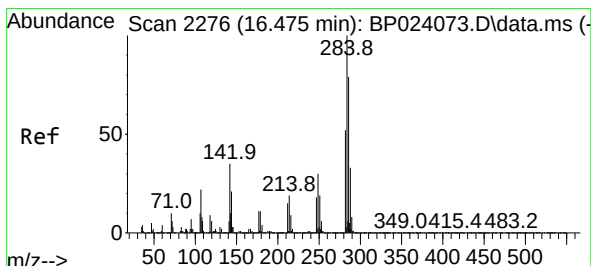
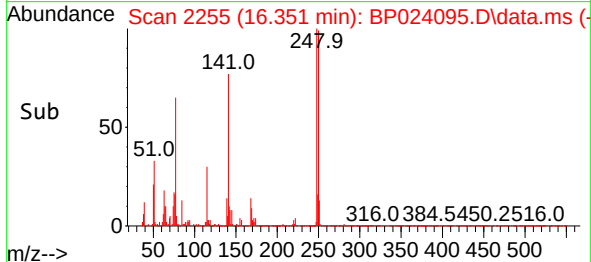
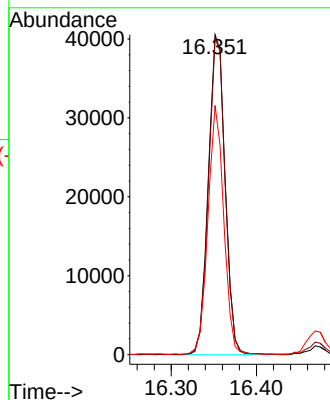
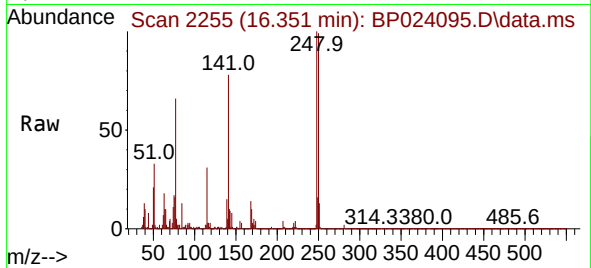




#67
4-Bromophenyl-phenylether
Concen: 3.873 ng
RT: 16.351 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

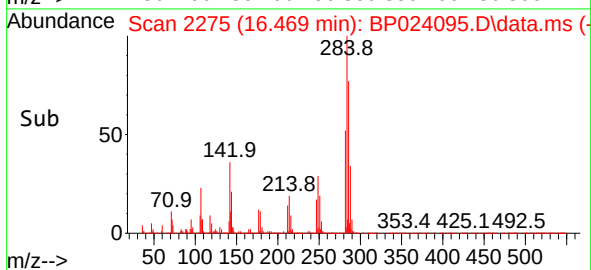
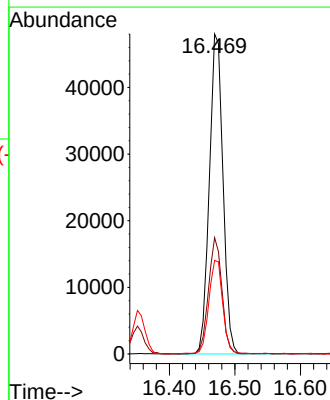
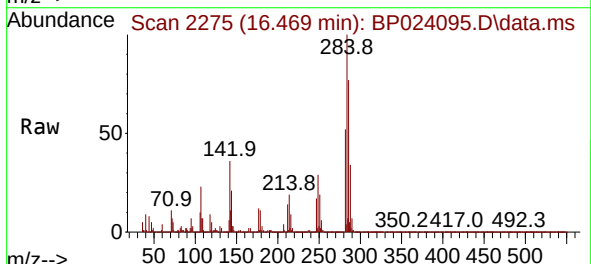
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

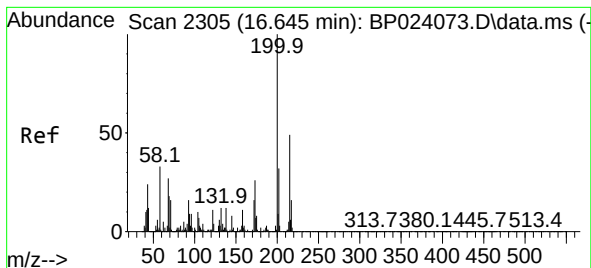
Tgt Ion:248 Resp: 55355
Ion Ratio Lower Upper
248 100
250 98.8 77.9 116.9
141 77.9 58.8 88.2



#68
Hexachlorobenzene
Concen: 4.136 ng
RT: 16.469 min Scan# 2275
Delta R.T. -0.006 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

Tgt Ion:284 Resp: 69559
Ion Ratio Lower Upper
284 100
142 36.4 27.7 41.5
249 29.2 23.8 35.6





#69

Atrazine

Concen: 4.260 ng

RT: 16.634 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP024095.D

Acq: 19 Feb 2025 12:35

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

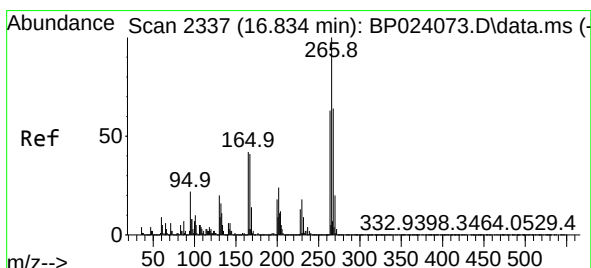
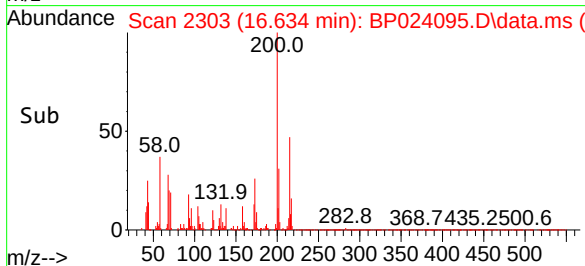
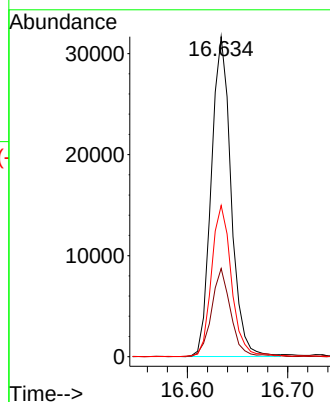
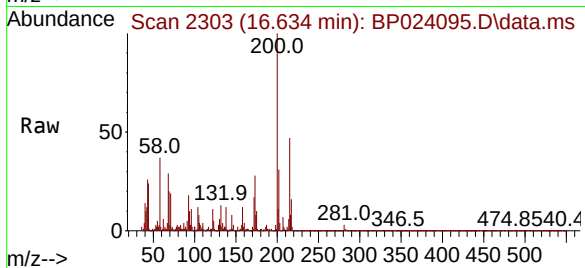
Tgt Ion:200 Resp: 43396

Ion Ratio Lower Upper

200 100

173 27.6 5.7 45.7

215 47.2 28.7 68.7



#70

Pentachlorophenol

Concen: 2.294 ng

RT: 16.828 min Scan# 2336

Delta R.T. -0.006 min

Lab File: BP024095.D

Acq: 19 Feb 2025 12:35

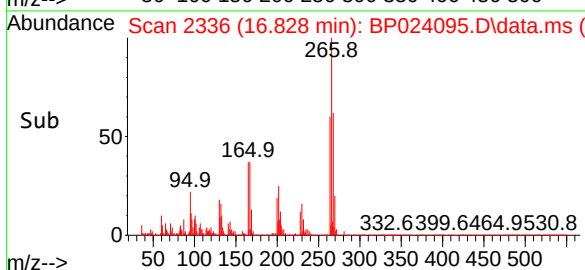
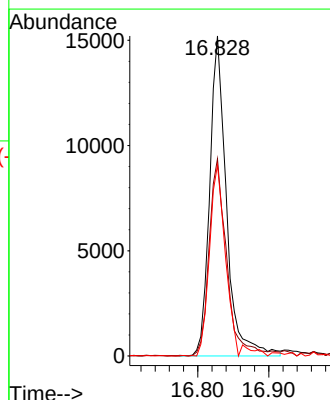
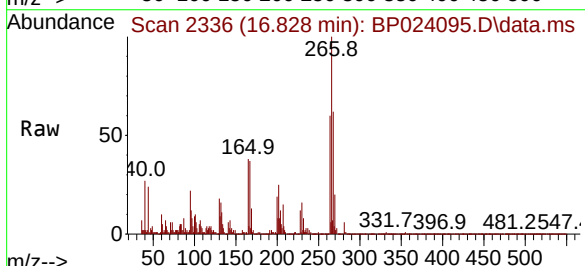
Tgt Ion:266 Resp: 25060

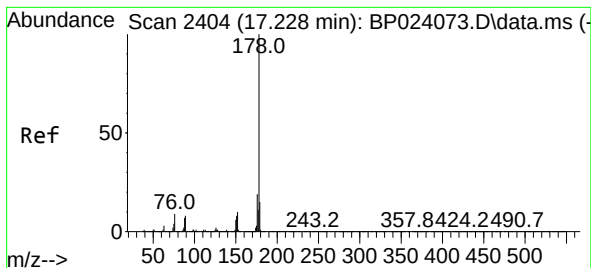
Ion Ratio Lower Upper

266 100

268 61.6 51.3 76.9

264 59.7 50.5 75.7





#71

Phenanthrene

Concen: 4.224 ng

RT: 17.222 min Scan# 2419

Delta R.T. -0.006 min

Lab File: BP024095.D

Acq: 19 Feb 2025 12:35

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

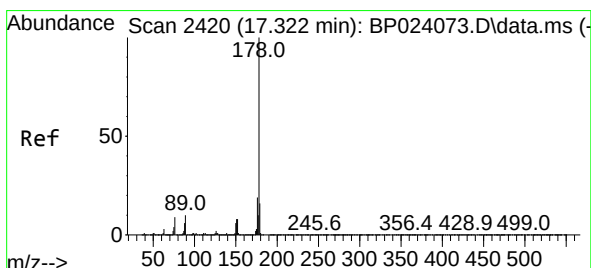
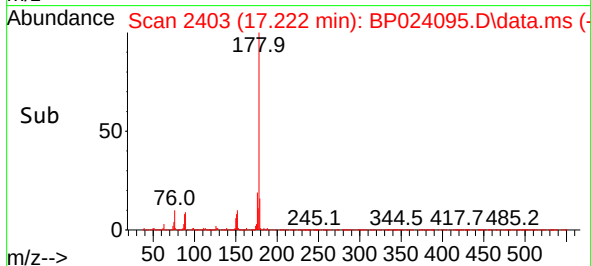
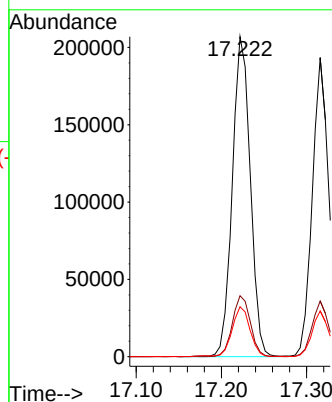
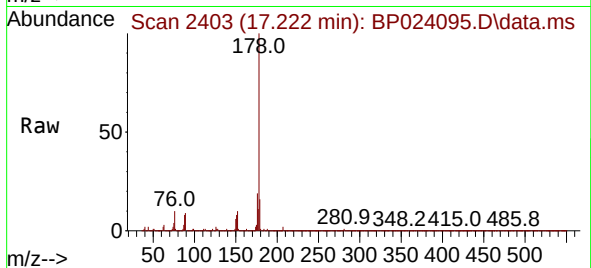
Tgt Ion:178 Resp: 303152

Ion Ratio Lower Upper

178 100

176 19.1 15.5 23.3

179 15.6 12.4 18.6



#72

Anthracene

Concen: 3.860 ng

RT: 17.316 min Scan# 2419

Delta R.T. -0.006 min

Lab File: BP024095.D

Acq: 19 Feb 2025 12:35

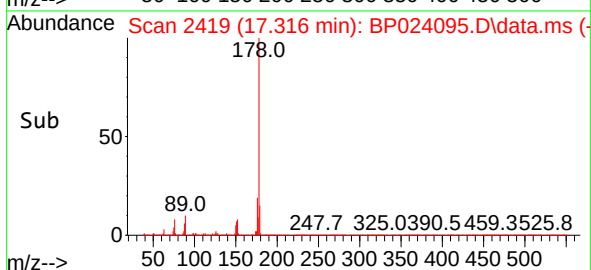
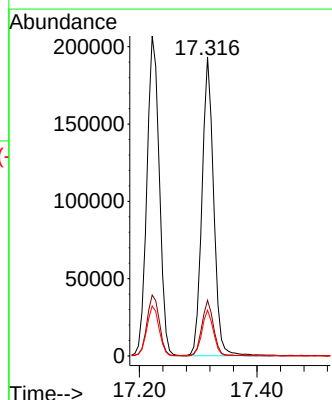
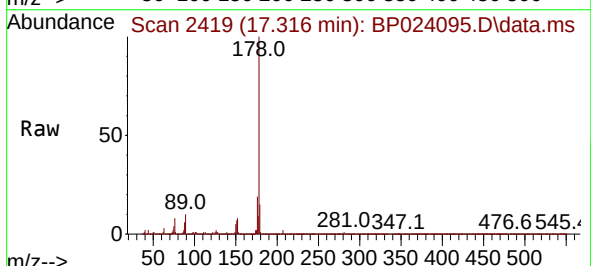
Tgt Ion:178 Resp: 265457

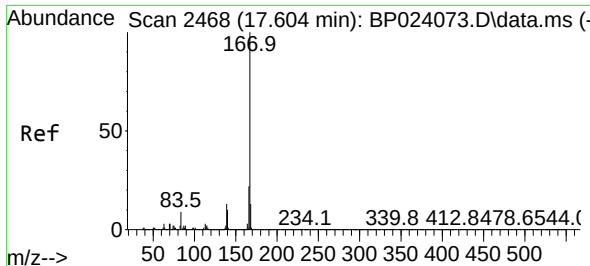
Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.0

179 15.3 12.6 19.0

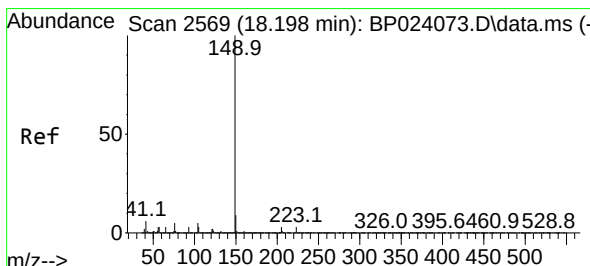
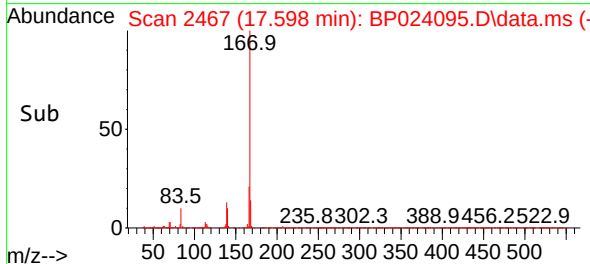
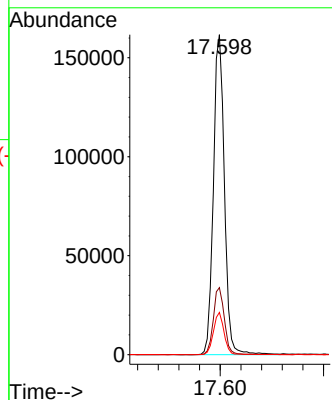
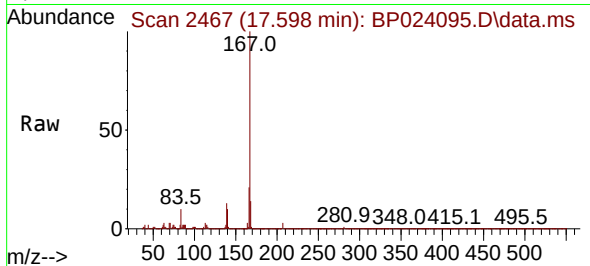




#73
 Carbazole
 Concen: 3.648 ng
 RT: 17.598 min Scan# 2467
 Delta R.T. -0.006 min
 Lab File: BP024095.D
 Acq: 19 Feb 2025 12:35

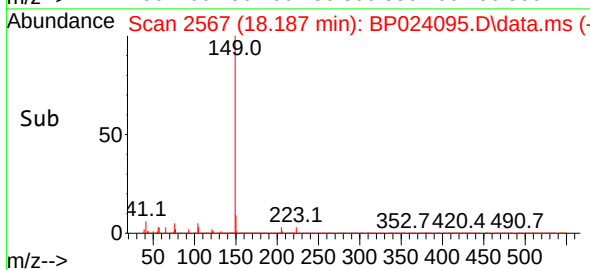
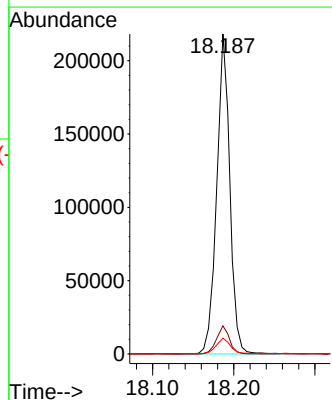
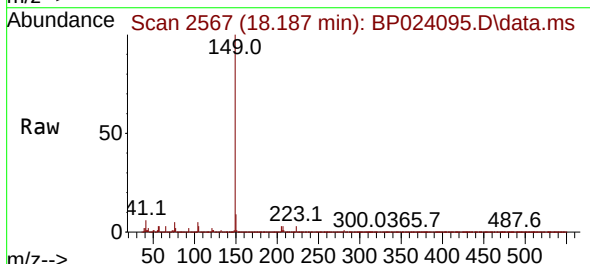
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2025

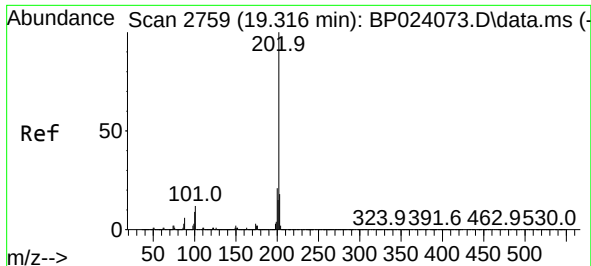
Tgt Ion:167 Resp: 238996
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.3 25.9
 139 13.2 10.3 15.5



#74
 Di-n-butylphthalate
 Concen: 3.191 ng
 RT: 18.187 min Scan# 2567
 Delta R.T. -0.012 min
 Lab File: BP024095.D
 Acq: 19 Feb 2025 12:35

Tgt Ion:149 Resp: 243973
 Ion Ratio Lower Upper
 149 100
 150 8.8 7.4 11.2
 104 5.0 4.2 6.2

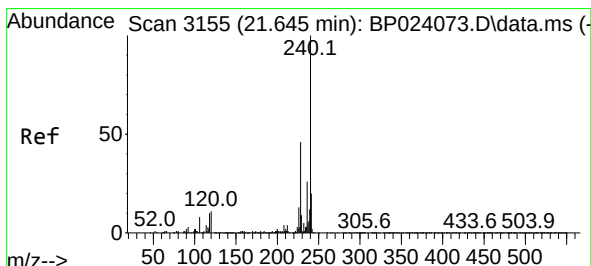
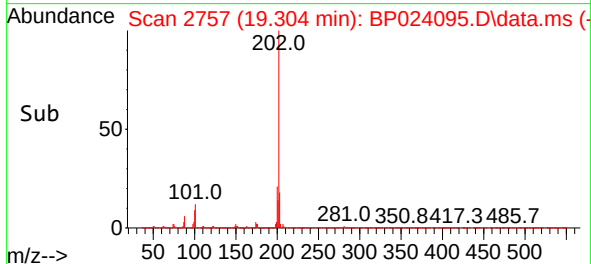
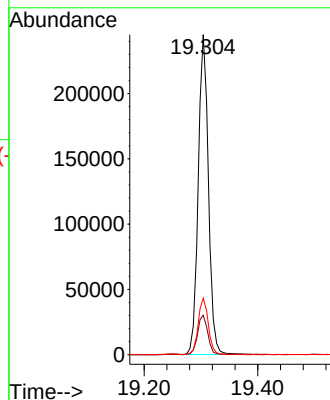
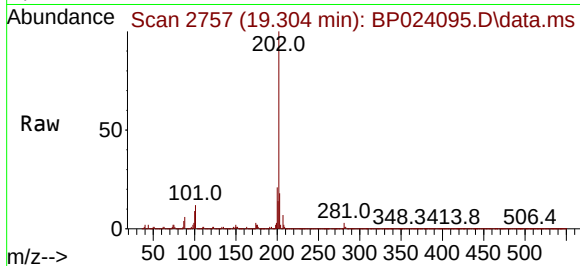




#75
Fluoranthene
Concen: 3.778 ng
RT: 19.304 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

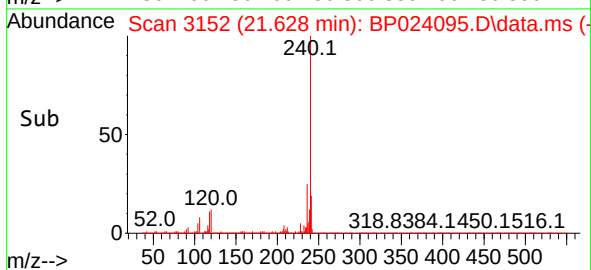
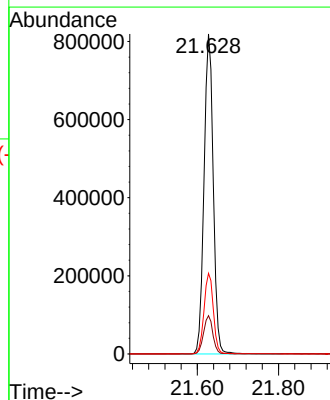
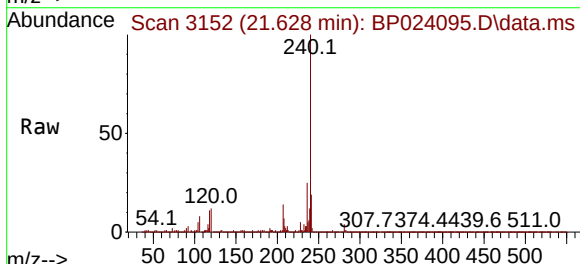
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

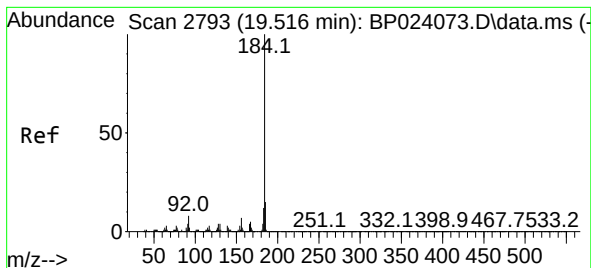
Tgt Ion:202 Resp: 306619
Ion Ratio Lower Upper
202 100
101 12.3 0.0 31.9
203 17.7 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.628 min Scan# 3152
Delta R.T. -0.018 min
Lab File: BP024095.D
Acq: 19 Feb 2025 12:35

Tgt Ion:240 Resp: 1289999
Ion Ratio Lower Upper
240 100
120 12.0 8.9 13.3
236 25.2 20.7 31.1





#77

Benzidine

Concen: 3.860 ng

RT: 19.498 min Scan# 21

Delta R.T. -0.018 min

Lab File: BP024095.D

Acq: 19 Feb 2025 12:35

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

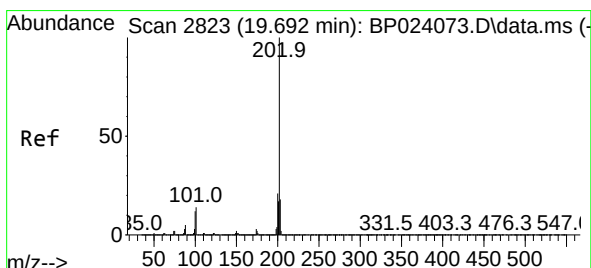
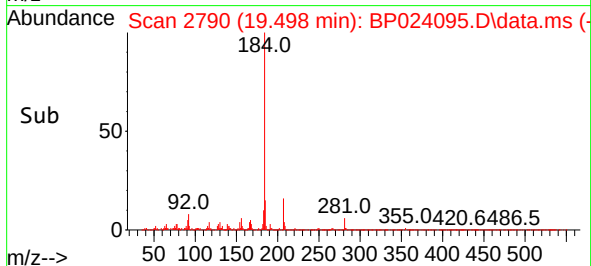
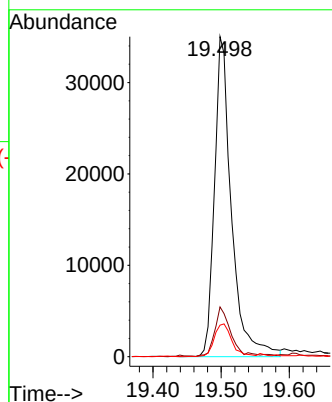
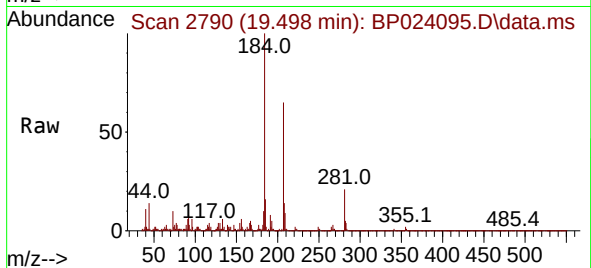
Tgt Ion:184 Resp: 60676

Ion Ratio Lower Upper

184 100

185 15.6 11.8 17.8

183 9.8 9.3 13.9



#78

Pyrene

Concen: 3.968 ng

RT: 19.681 min Scan# 2821

Delta R.T. -0.012 min

Lab File: BP024095.D

Acq: 19 Feb 2025 12:35

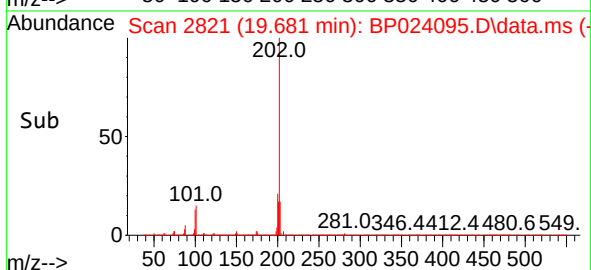
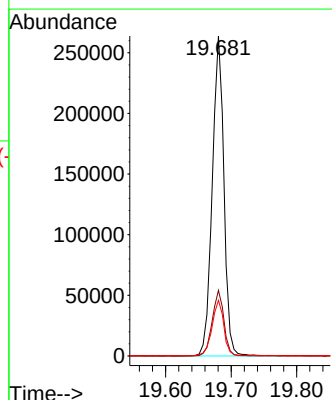
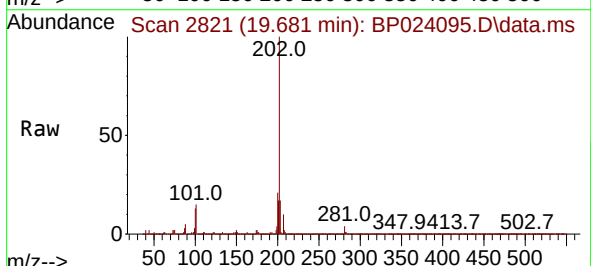
Tgt Ion:202 Resp: 325128

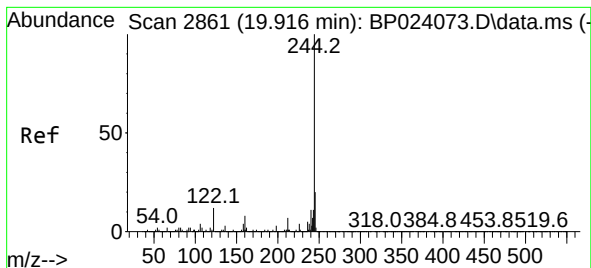
Ion Ratio Lower Upper

202 100

200 20.5 17.2 25.8

203 17.4 14.4 21.6





#79

Terphenyl-d14

Concen: 89.112 ng

RT: 19.904 min Scan# 2859

Delta R.T. -0.012 min

Lab File: BP024095.D

Acq: 19 Feb 2025 12:35

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

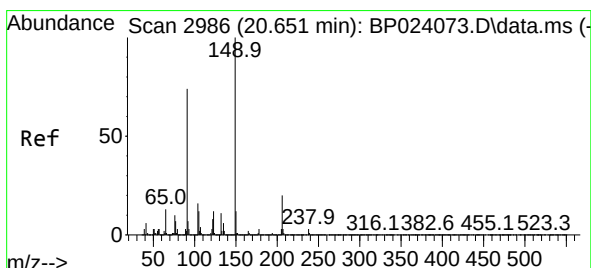
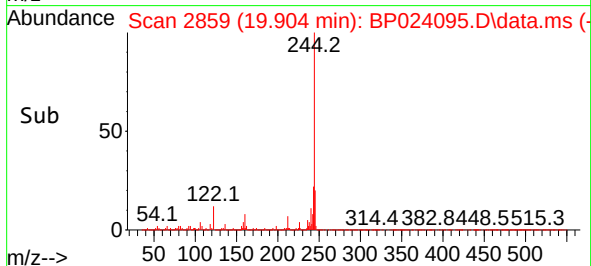
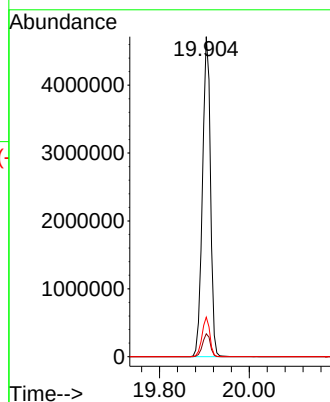
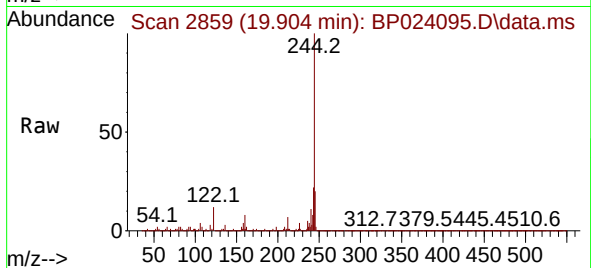
Tgt Ion:244 Resp: 5809428

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

122 12.3 9.4 14.2



#80

Butylbenzylphthalate

Concen: 2.895 ng

RT: 20.639 min Scan# 2984

Delta R.T. -0.012 min

Lab File: BP024095.D

Acq: 19 Feb 2025 12:35

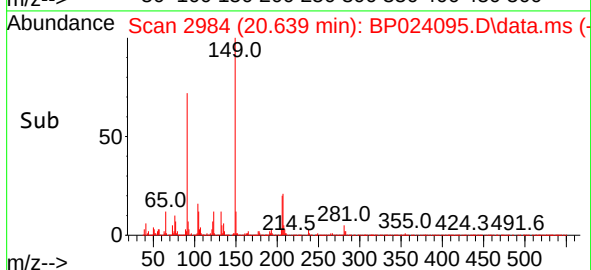
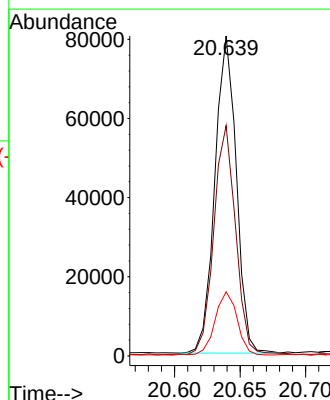
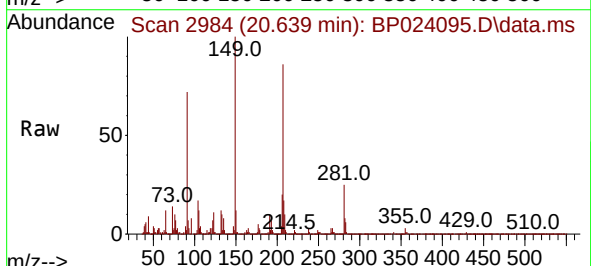
Tgt Ion:149 Resp: 90884

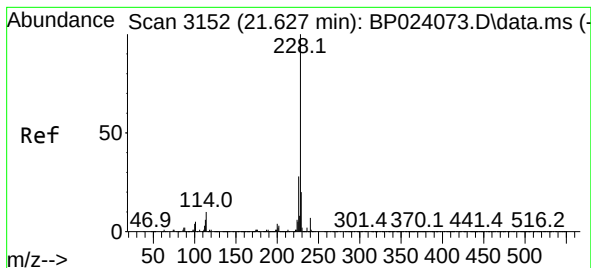
Ion Ratio Lower Upper

149 100

91 72.0 59.4 89.0

206 20.1 16.2 24.2





#81

Benzo(a)anthracene

Concen: 4.042 ng

RT: 21.610 min Scan# 3152

Delta R.T. -0.018 min

Lab File: BP024095.D

Acq: 19 Feb 2025 12:35

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

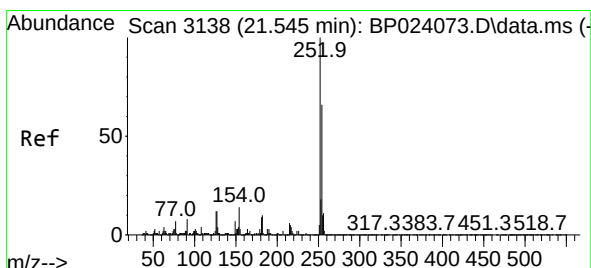
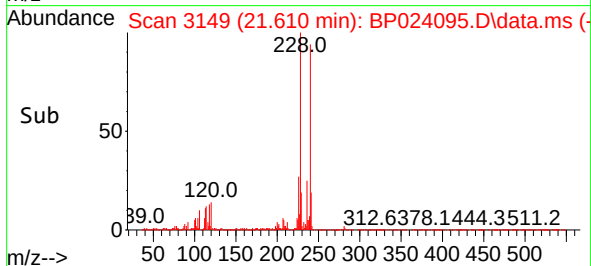
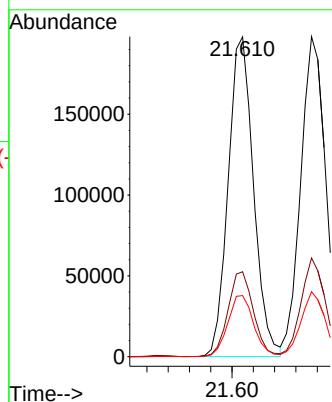
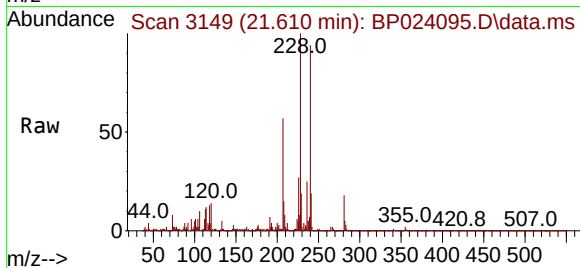
Tgt Ion:228 Resp: 326982

Ion Ratio Lower Upper

228 100

226 26.6 22.2 33.4

229 19.1 15.8 23.8



#82

3,3'-Dichlorobenzidine

Concen: 3.187 ng

RT: 21.533 min Scan# 3136

Delta R.T. -0.012 min

Lab File: BP024095.D

Acq: 19 Feb 2025 12:35

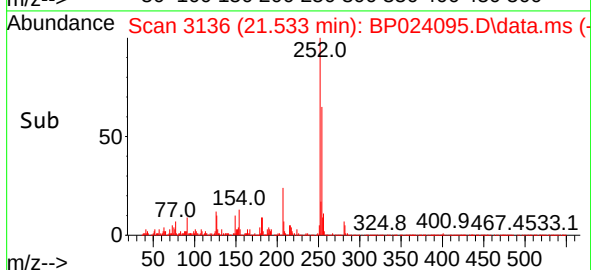
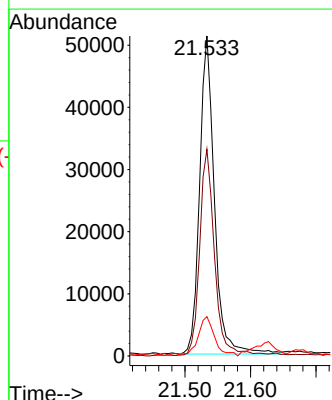
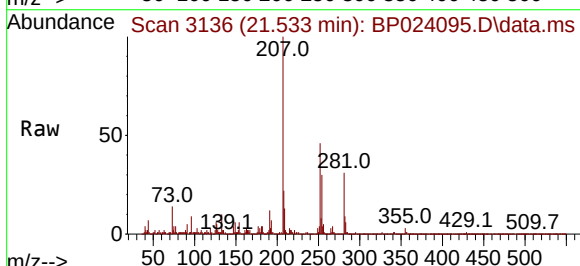
Tgt Ion:252 Resp: 80559

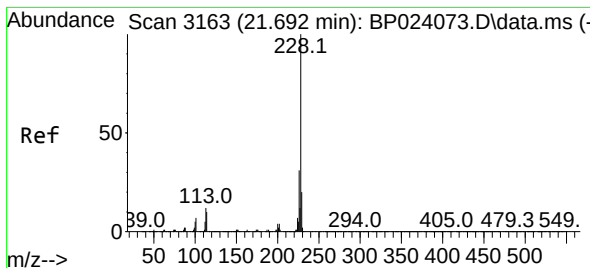
Ion Ratio Lower Upper

252 100

254 64.6 52.4 78.6

126 12.3 9.6 14.4





#83

Chrysene

Concen: 4.110 ng

RT: 21.675 min Scan# 3160

Delta R.T. -0.018 min

Lab File: BP024095.D

Acq: 19 Feb 2025 12:35

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

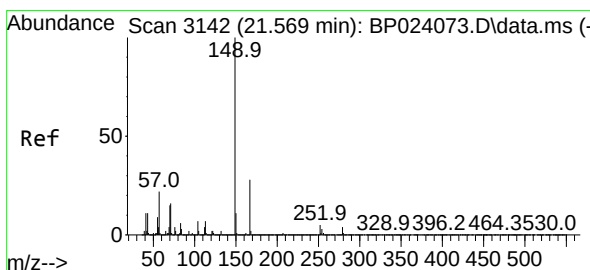
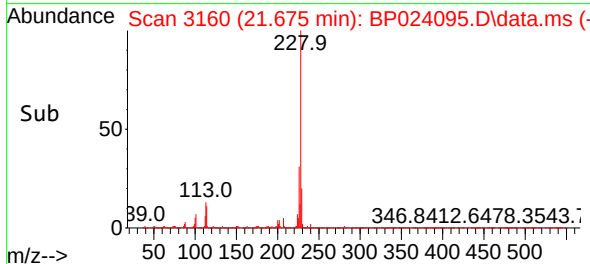
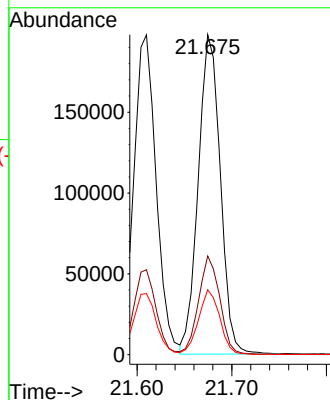
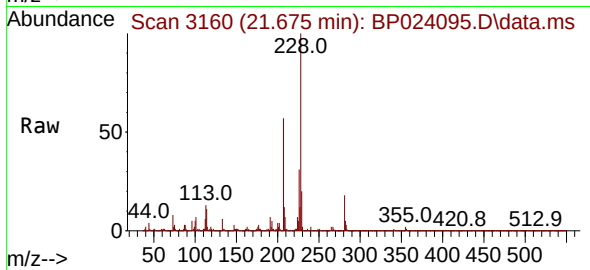
Tgt Ion:228 Resp: 320543

Ion Ratio Lower Upper

228 100

226 30.8 24.5 36.7

229 20.3 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.738 ng

RT: 21.557 min Scan# 3140

Delta R.T. -0.012 min

Lab File: BP024095.D

Acq: 19 Feb 2025 12:35

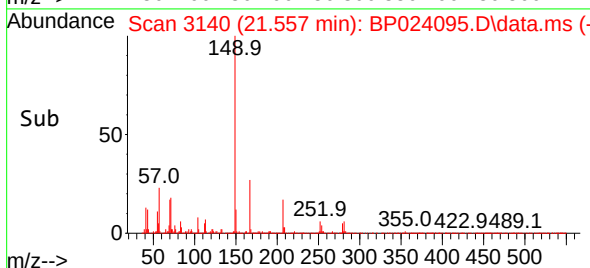
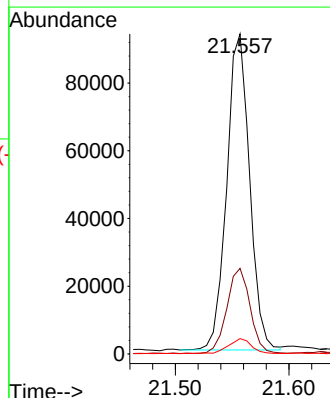
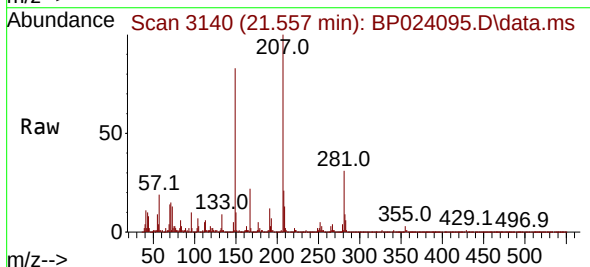
Tgt Ion:149 Resp: 130353

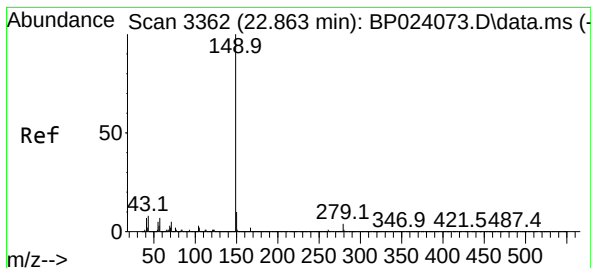
Ion Ratio Lower Upper

149 100

167 26.8 22.2 33.2

279 4.8 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 2.337 ng

RT: 22.845 min Scan# 31

Delta R.T. -0.018 min

Lab File: BP024095.D

Acq: 19 Feb 2025 12:35

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

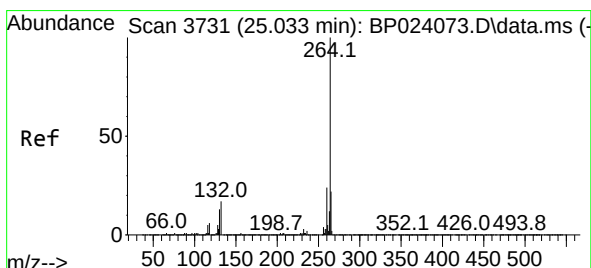
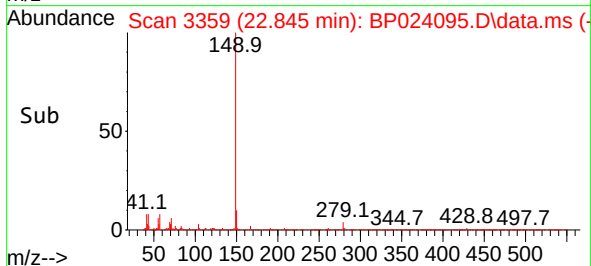
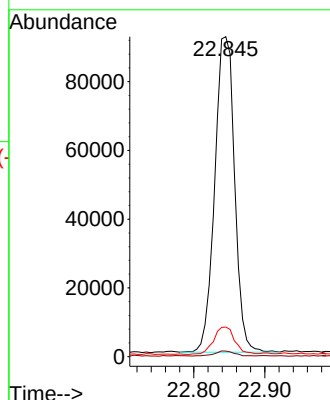
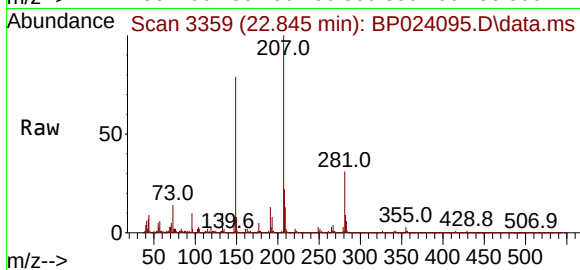
Tgt Ion:149 Resp: 177864

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 9.4 6.4 9.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.998 min Scan# 3725

Delta R.T. -0.035 min

Lab File: BP024095.D

Acq: 19 Feb 2025 12:35

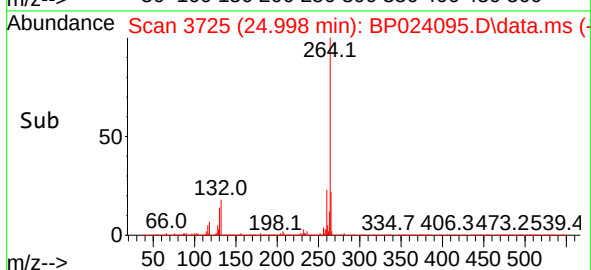
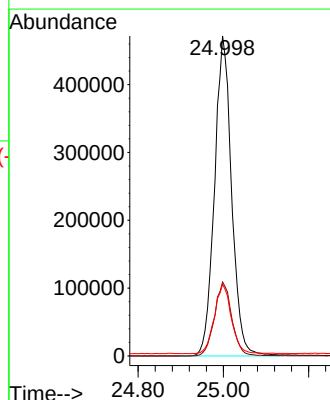
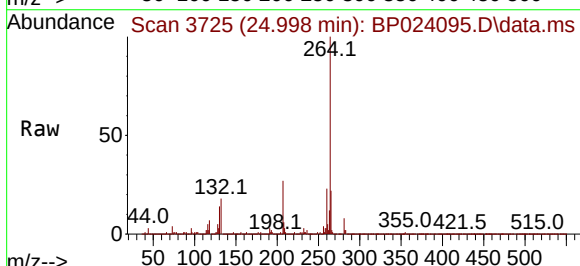
Tgt Ion:264 Resp: 1314739

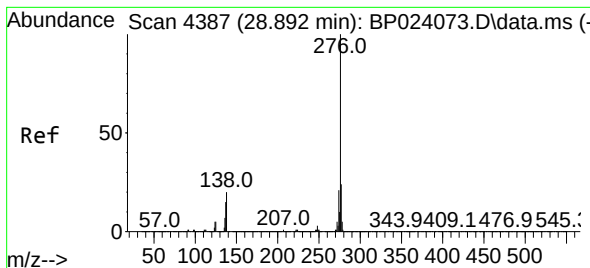
Ion Ratio Lower Upper

264 100

260 23.1 19.0 28.6

265 22.4 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.527 ng

RT: 28.821 min Scan# 41

Delta R.T. -0.070 min

Lab File: BP024095.D

Acq: 19 Feb 2025 12:35

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

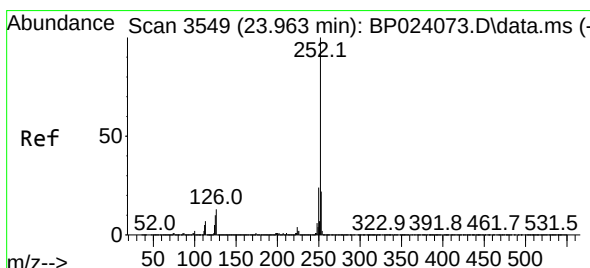
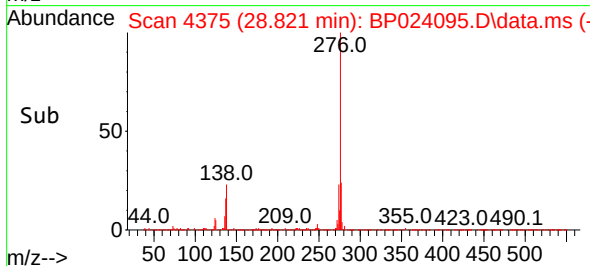
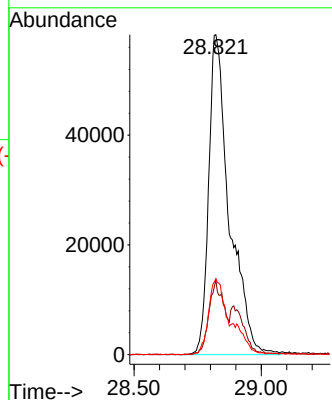
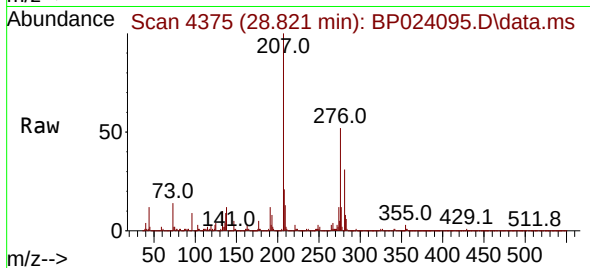
Tgt Ion:276 Resp: 329899

Ion Ratio Lower Upper

276 100

138 17.0 14.2 21.4

277 18.7 16.2 24.4



#88

Benzo(b)fluoranthene

Concen: 3.800 ng

RT: 23.933 min Scan# 3544

Delta R.T. -0.029 min

Lab File: BP024095.D

Acq: 19 Feb 2025 12:35

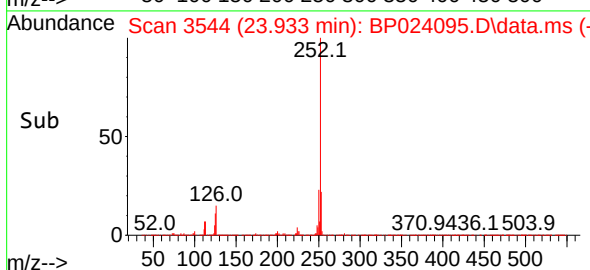
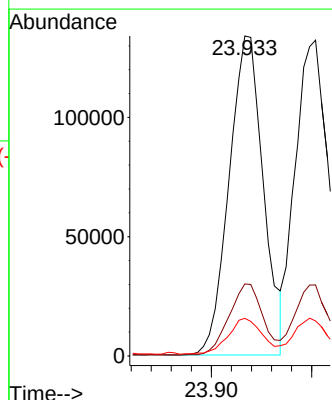
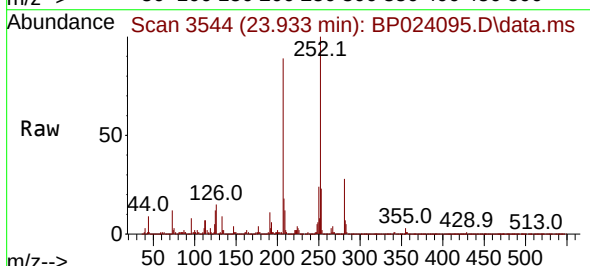
Tgt Ion:252 Resp: 317225

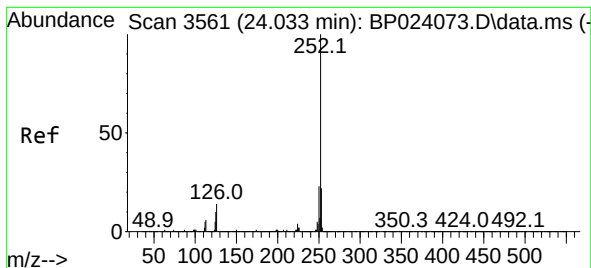
Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

125 11.7 8.4 12.6





#89

Benzo(k)fluoranthene

Concen: 3.871 ng

RT: 24.004 min Scan# 31

Delta R.T. -0.029 min

Lab File: BP024095.D

Acq: 19 Feb 2025 12:35

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

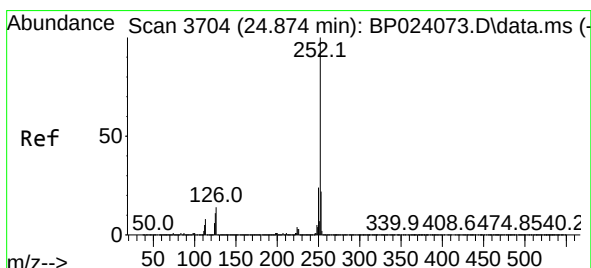
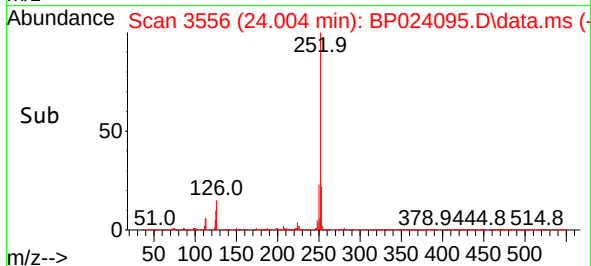
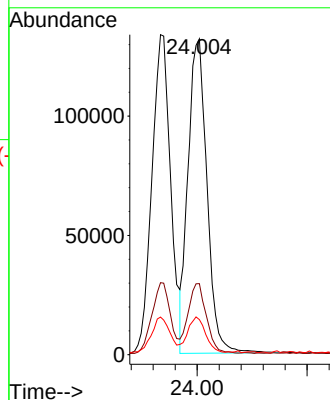
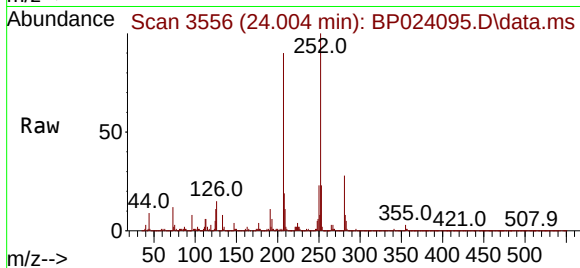
Tgt Ion:252 Resp: 314546

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

125 11.1 8.1 12.1



#90

Benzo(a)pyrene

Concen: 3.870 ng

RT: 24.839 min Scan# 3698

Delta R.T. -0.035 min

Lab File: BP024095.D

Acq: 19 Feb 2025 12:35

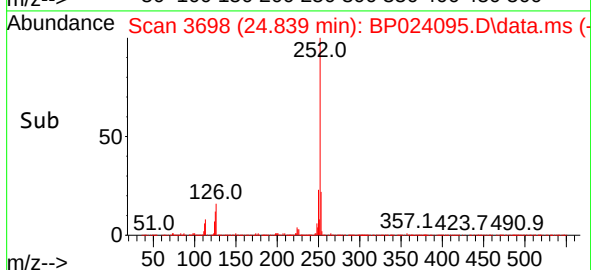
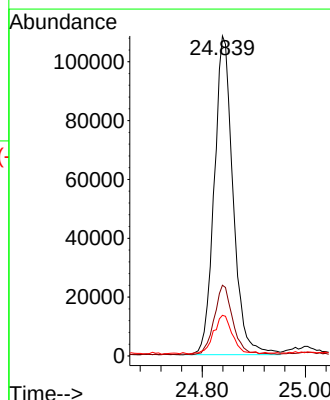
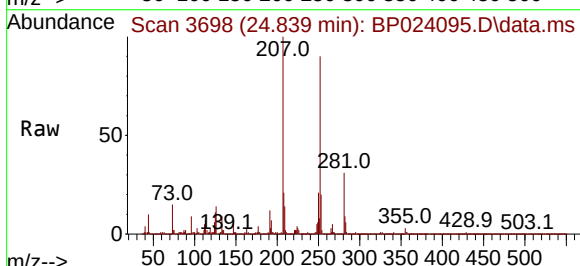
Tgt Ion:252 Resp: 274228

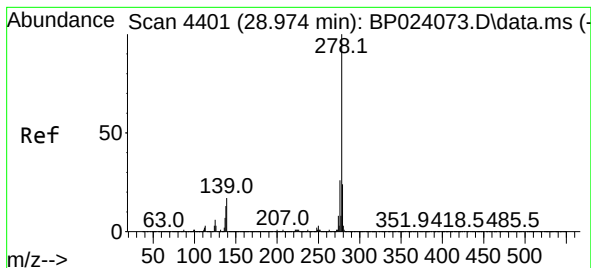
Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

125 12.7 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 3.495 ng

RT: 28.909 min Scan# 41

Delta R.T. -0.065 min

Lab File: BP024095.D

Acq: 19 Feb 2025 12:35

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

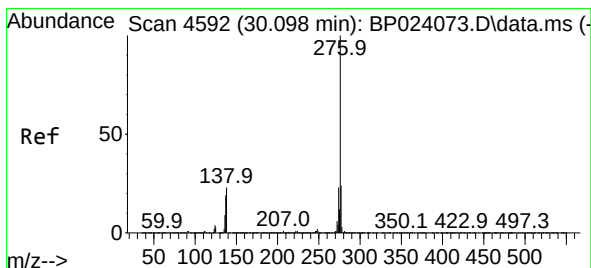
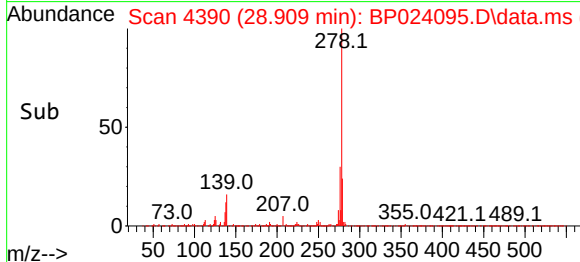
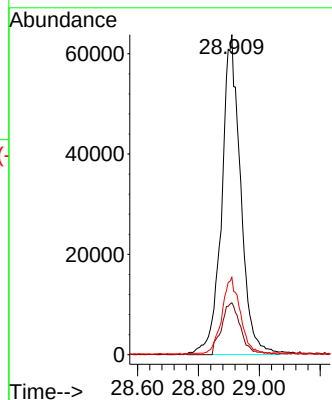
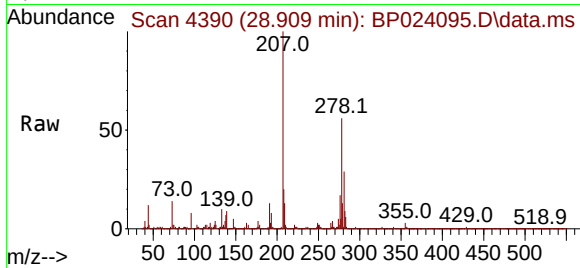
Tgt Ion:278 Resp: 274885

Ion Ratio Lower Upper

278 100

139 16.2 13.4 20.0

279 24.2 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 3.284 ng

RT: 30.015 min Scan# 4578

Delta R.T. -0.082 min

Lab File: BP024095.D

Acq: 19 Feb 2025 12:35

Tgt Ion:276 Resp: 262112

Ion Ratio Lower Upper

276 100

277 22.7 18.9 28.3

138 21.7 18.1 27.1

