

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111925\
 Data File : BP026156.D
 Acq On : 19 Nov 2025 12:16
 Operator : RC/JU
 Sample : Q3530-01
 Misc : LOQ-SOIL-2.5ng
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Nov 19 12:36:38 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 19 01:25:31 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.672	152	252106	20.000	ng	0.00
21) Naphthalene-d8	10.437	136	1024162	20.000	ng	-0.01
39) Acenaphthene-d10	14.307	164	656275	20.000	ng	-0.02
64) Phenanthrene-d10	17.119	188	1372157	20.000	ng	-0.01
76) Chrysene-d12	21.577	240	1553649	20.000	ng	0.00
86) Perylene-d12	24.895	264	1687016	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.290	112	1854651	118.080	ng	0.00
7) Phenol-d6	6.849	99	2323156	116.182	ng	0.00
23) Nitrobenzene-d5	8.813	82	1322425	73.345	ng	0.00
42) 2,4,6-Tribromophenol	15.836	330	1032289	121.253	ng	0.00
45) 2-Fluorobiphenyl	12.913	172	3304393	73.794	ng	-0.02
79) Terphenyl-d14	19.860	244	5405116	70.938	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.225	88	15953	2.504	ng	95
4) n-Nitrosodimethylamine	3.531	42	15003	2.180	ng	# 79
6) Aniline	7.007	93	57315	2.171	ng	97
8) 2-Chlorophenol	7.249	128	39517	2.210	ng	99
9) Benzaldehyde	6.819	77	35234	3.362	ng	97
10) Phenol	6.878	94	45439	2.109	ng	87
11) bis(2-Chloroethyl)ether	7.101	93	36434	2.160	ng	98
12) 1,3-Dichlorobenzene	7.566	146	44297	2.300	ng	95
13) 1,4-Dichlorobenzene	7.707	146	45641	2.352	ng	94
14) 1,2-Dichlorobenzene	8.019	146	43456	2.332	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.201	45	52057	2.198	ng	95
18) Hexachloroethane	8.743	117	15502	2.195	ng	93
19) n-Nitroso-di-n-propyla...	8.466	70	26158	2.106	ng	97
22) Acetophenone	8.478	105	57917	2.225	ng	# 99
24) Nitrobenzene	8.854	77	43617	2.391	ng	99
25) Isophorone	9.378	82	73668	2.061	ng	97
28) bis(2-Chloroethoxy)met...	9.860	93	46733	2.088	ng	99
30) 1,2,4-Trichlorobenzene	10.301	180	39753	2.347	ng	97
31) Naphthalene	10.490	128	124528	2.250	ng	98
33) 4-Chloroaniline	10.595	127	47339	2.011	ng	96
34) Hexachlorobutadiene	10.784	225	24065	2.185	ng	99
38) 1-Methylnaphthalene	12.325	142	82446	2.150	ng	95
40) 1,2,4,5-Tetrachloroben...	12.484	216	44040	2.219	ng	97
46) 1,1'-Biphenyl	13.131	154	115281	2.333	ng	99
47) 2-Chloronaphthalene	13.172	162	86890	2.236	ng	96
49) Acenaphthylene	14.025	152	131489	2.051	ng	100
50) Dimethylphthalate	13.766	163	110091	2.246	ng	98
52) Acenaphthene	14.372	154	83771	2.230	ng	98
55) Dibenzofuran	14.713	168	134463	2.311	ng	99
58) Fluorene	15.378	166	105695	2.298	ng	96
59) 2,3,4,6-Tetrachlorophenol	14.948	232	25955	2.015	ng	96
60) Diethylphthalate	15.166	149	107501	2.177	ng	99
61) 4-Chlorophenyl-phenyle...	15.378	204	53219	2.326	ng	97
63) Azobenzene	15.678	77	87537	2.102	ng	98
66) n-Nitrosodiphenylamine	15.601	169	91960	2.166	ng	99
67) 4-Bromophenyl-phenylether	16.295	248	31619	2.081	ng	97

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 ALS Vial : 4 Sample Multiplier: 1

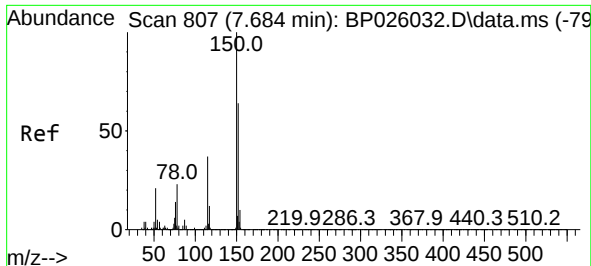
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2025

Quant Time: Nov 19 12:36:38 2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

68) Hexachlorobenzene	16.413	284	38598	2.189	ng	99
69) Atrazine	16.577	200	32085	2.005	ng	98
71) Phenanthrene	17.166	178	176809	2.287	ng	98
72) Anthracene	17.266	178	166789	2.116	ng	98
73) Carbazole	17.542	167	155911	2.082	ng	99
75) Fluoranthene	19.260	202	204977	2.183	ng	100
78) Pyrene	19.636	202	221481	2.174	ng	99
81) Benzo(a)anthracene	21.554	228	237547	2.226	ng	98
83) Chrysene	21.624	228	230259	2.290	ng	98
88) Benzo(b)fluoranthene	23.842	252	223332	2.174	ng	98
89) Benzo(k)fluoranthene	23.901	252	225535	2.198	ng	97
90) Benzo(a)pyrene	24.724	252	210654	2.165	ng	98
91) Dibenzo(a,h)anthracene	28.747	278	209176	2.020	ng	98
92) Benzo(g,h,i)perylene	29.818	276	208878	2.029	ng	99

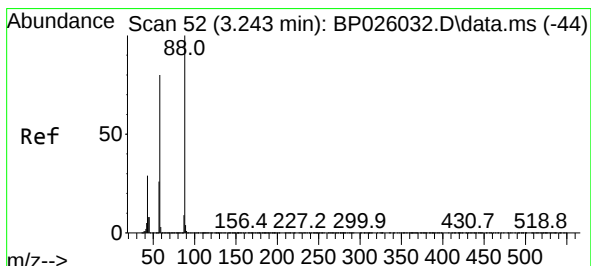
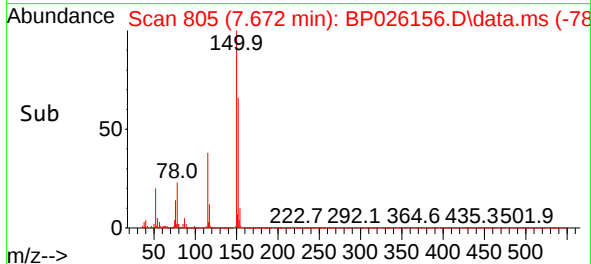
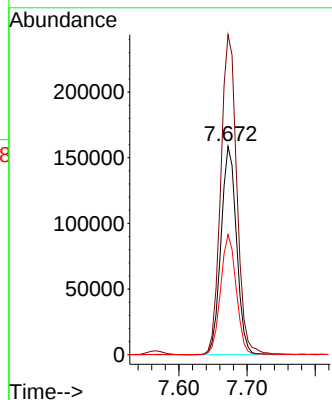
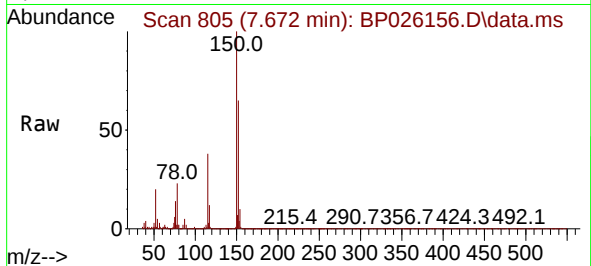
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.672 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: BP026156.D
 Acq: 19 Nov 2025 12:16

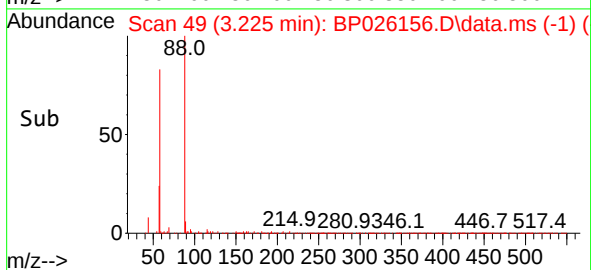
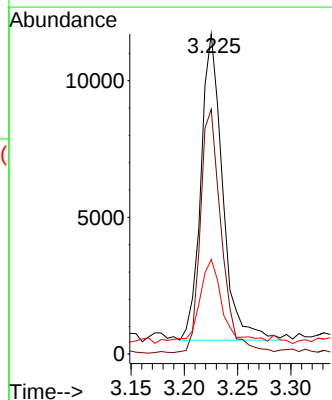
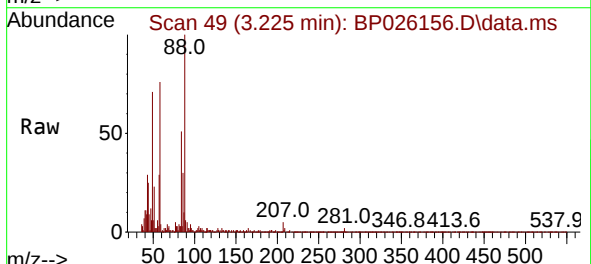
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2025

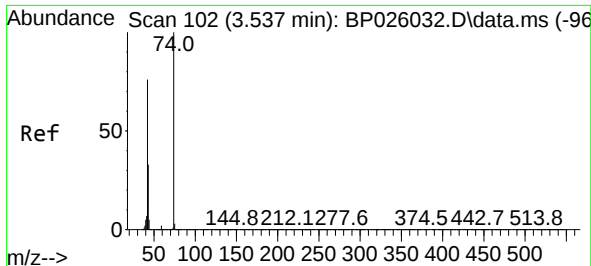
Tgt Ion:152 Resp: 252106
 Ion Ratio Lower Upper
 152 100
 150 153.5 123.0 184.6
 115 57.6 46.3 69.5



#2
 1,4-Dioxane
 Concen: 2.504 ng
 RT: 3.225 min Scan# 49
 Delta R.T. -0.000 min
 Lab File: BP026156.D
 Acq: 19 Nov 2025 12:16

Tgt Ion: 88 Resp: 15953
 Ion Ratio Lower Upper
 88 100
 58 76.2 64.2 96.4
 43 29.6 21.5 32.3

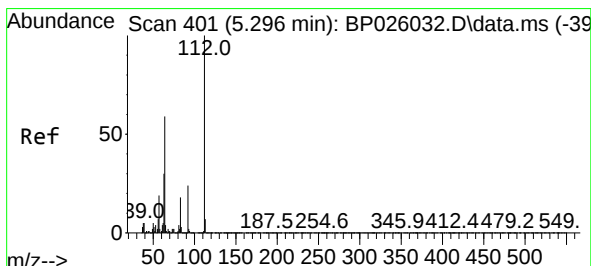
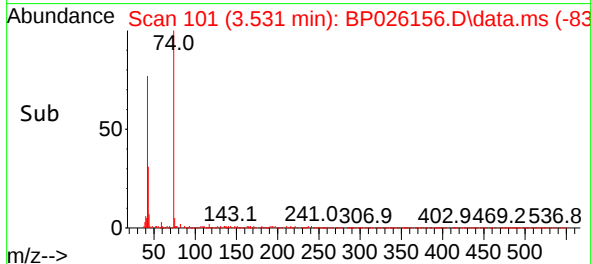
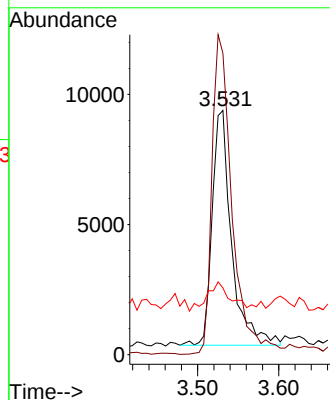
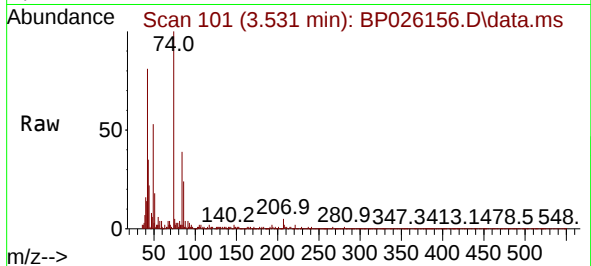




#4
n-Nitrosodimethylamine
Concen: 2.180 ng
RT: 3.531 min Scan# 10
Delta R.T. 0.006 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

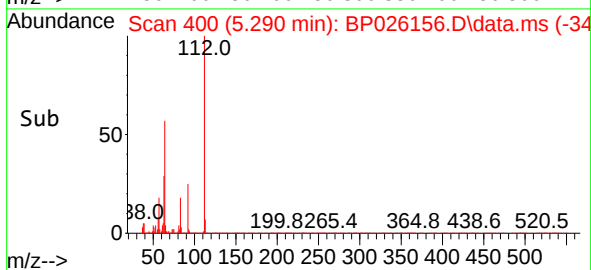
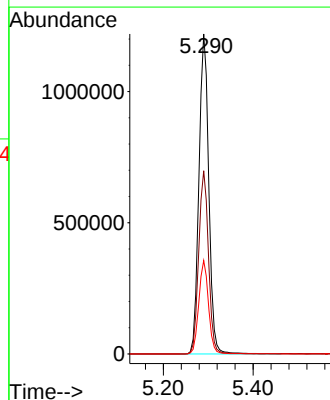
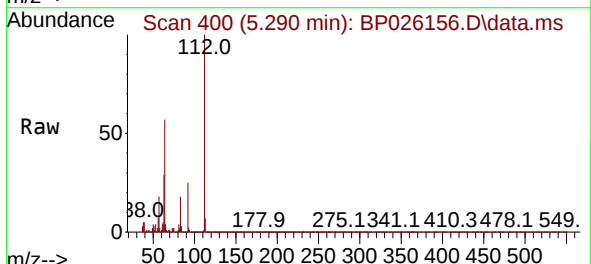
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

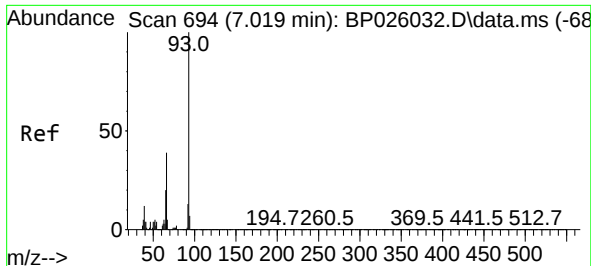
Tgt Ion: 42 Resp: 15003
Ion Ratio Lower Upper
42 100
74 123.4 118.1 177.1
44 27.3 6.2 9.4#



#5
2-Fluorophenol
Concen: 118.080 ng
RT: 5.290 min Scan# 400
Delta R.T. -0.000 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

Tgt Ion: 112 Resp: 1854651
Ion Ratio Lower Upper
112 100
64 57.3 45.8 68.6
63 29.2 23.5 35.3

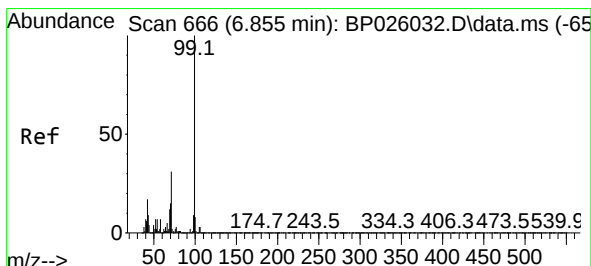
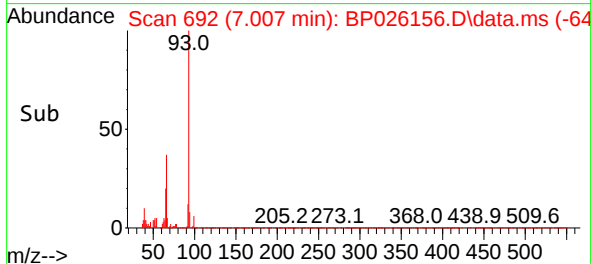
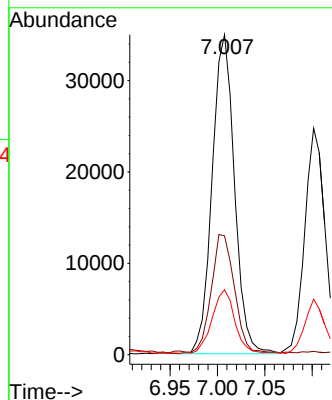
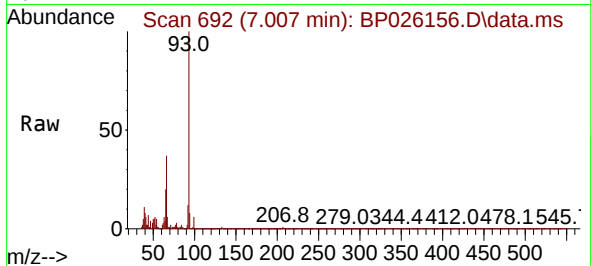




#6
Aniline
Concen: 2.171 ng
RT: 7.007 min Scan# 694
Delta R.T. 0.006 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

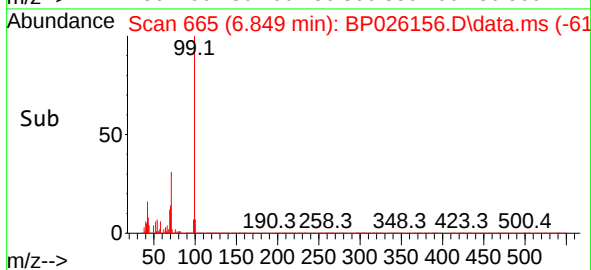
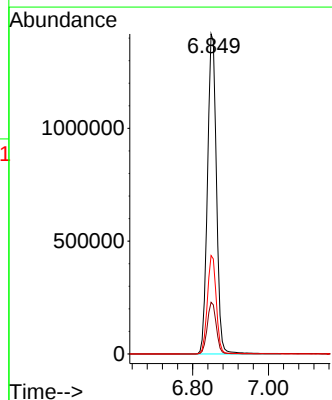
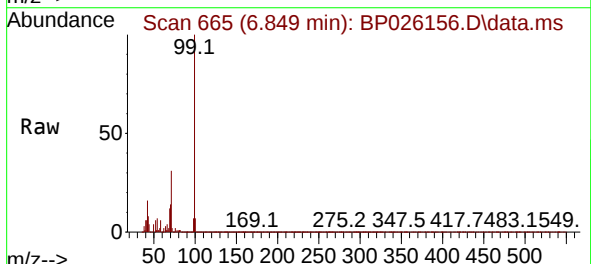
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

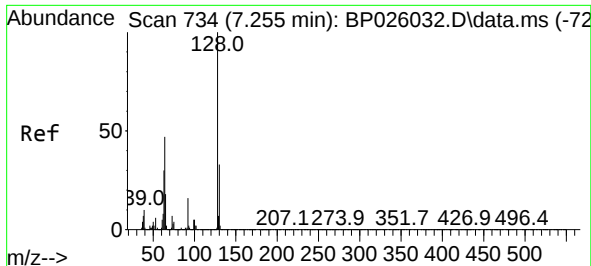
Tgt Ion: 93 Resp: 57315
Ion Ratio Lower Upper
93 100
66 37.1 31.7 47.5
65 20.3 15.8 23.6



#7
Phenol-d6
Concen: 116.182 ng
RT: 6.849 min Scan# 665
Delta R.T. -0.006 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

Tgt Ion: 99 Resp: 2323156
Ion Ratio Lower Upper
99 100
42 16.2 12.9 19.3
71 30.8 24.8 37.2

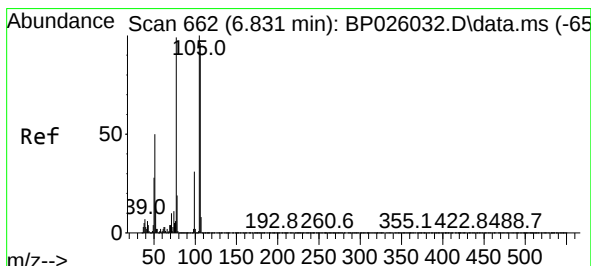
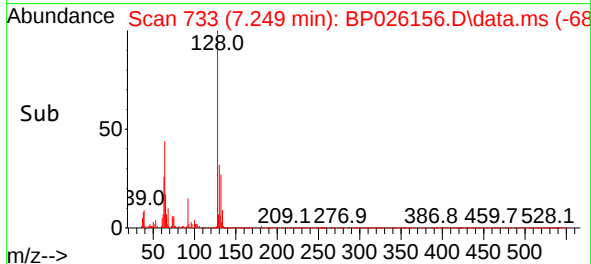
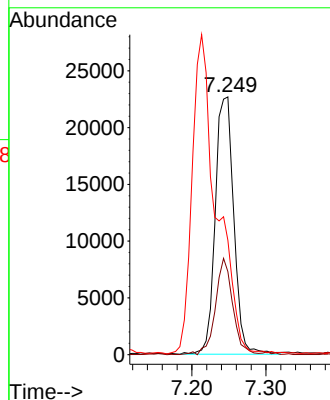
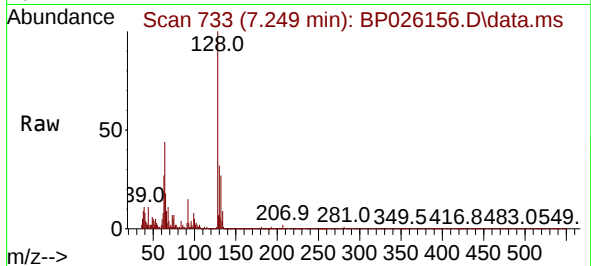




#8
2-Chlorophenol
Concen: 2.210 ng
RT: 7.249 min Scan# 71
Delta R.T. 0.006 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

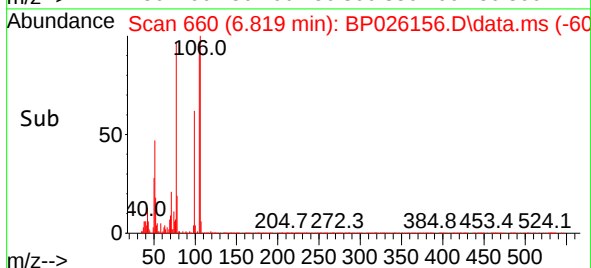
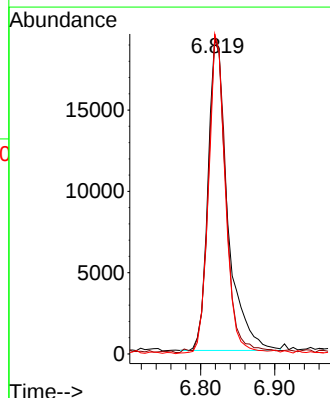
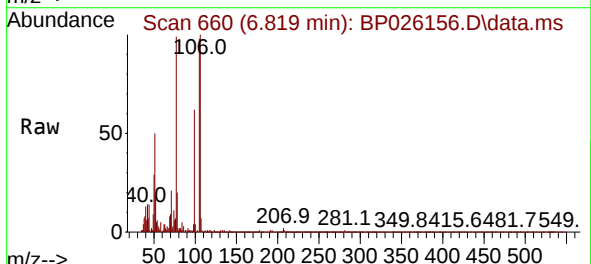
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

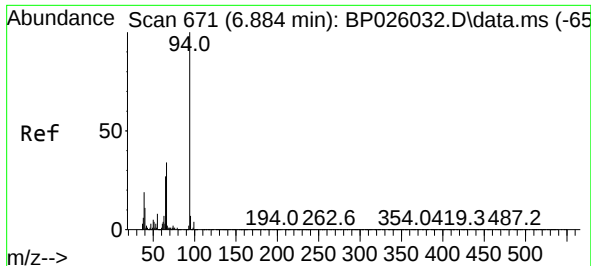
Tgt Ion:128 Resp: 39517
Ion Ratio Lower Upper
128 100
130 32.2 12.4 52.4
64 44.4 23.9 63.9



#9
Benzaldehyde
Concen: 3.362 ng
RT: 6.819 min Scan# 660
Delta R.T. -0.000 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

Tgt Ion: 77 Resp: 35234
Ion Ratio Lower Upper
77 100
105 99.2 82.9 122.9
106 101.1 77.8 117.8

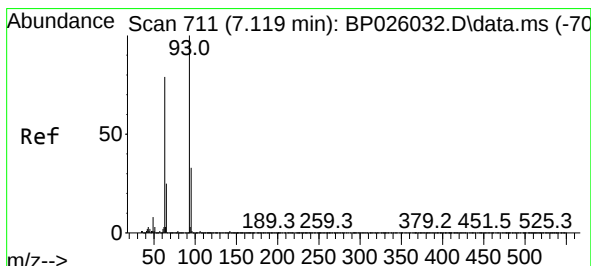
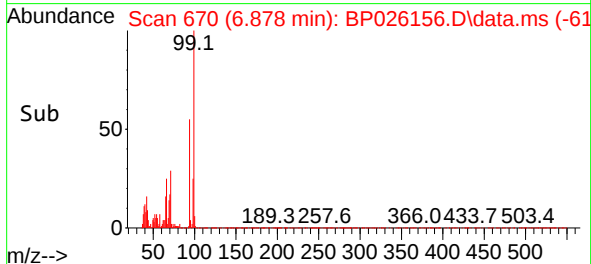
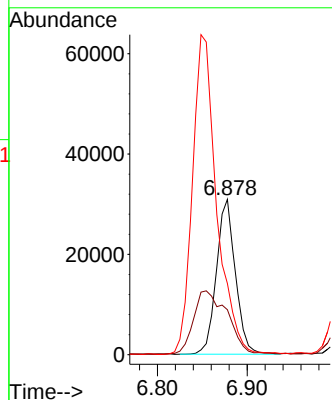
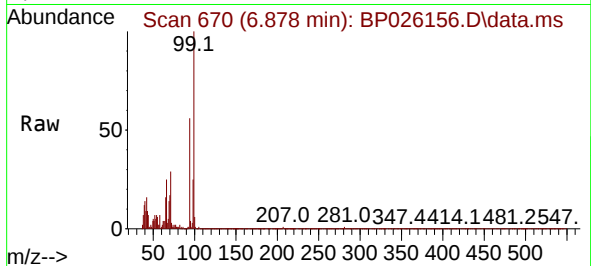




#10
Phenol
Concen: 2.109 ng
RT: 6.878 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

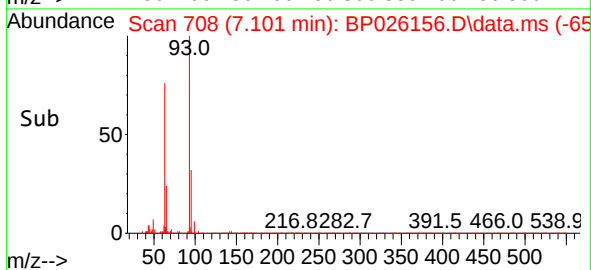
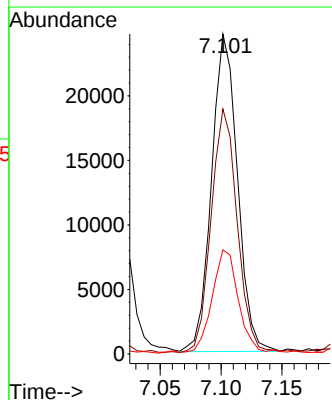
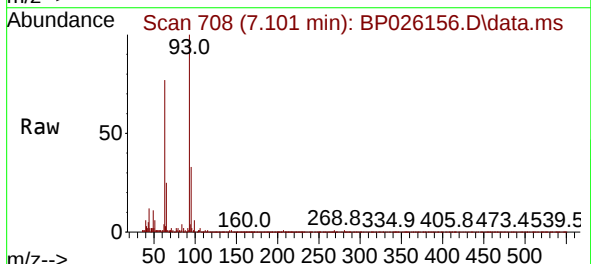
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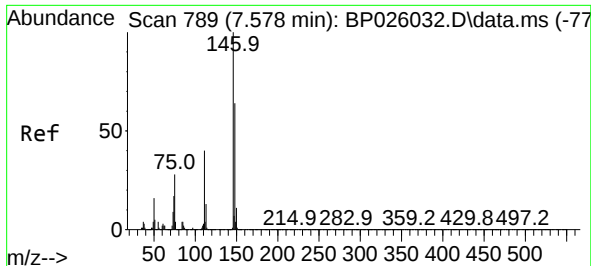
Tgt Ion: 94 Resp: 45439
Ion Ratio Lower Upper
94 100
65 29.0 7.0 47.0
66 45.9 14.5 54.5



#11
bis(2-Chloroethyl)ether
Concen: 2.160 ng
RT: 7.101 min Scan# 708
Delta R.T. 0.006 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

Tgt Ion: 93 Resp: 36434
Ion Ratio Lower Upper
93 100
63 76.5 58.8 98.8
95 32.5 12.1 52.1





#12

1,3-Dichlorobenzene

Concen: 2.300 ng

RT: 7.566 min Scan# 7

Delta R.T. -0.000 min

Lab File: BP026156.D

Acq: 19 Nov 2025 12:16

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

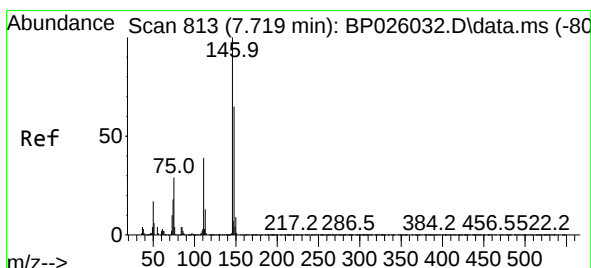
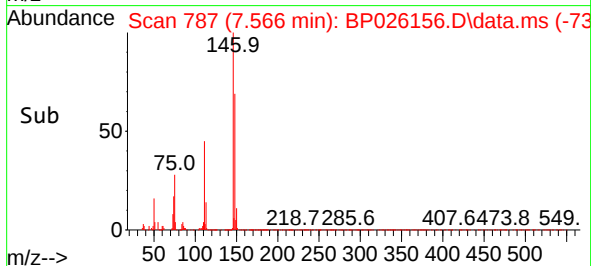
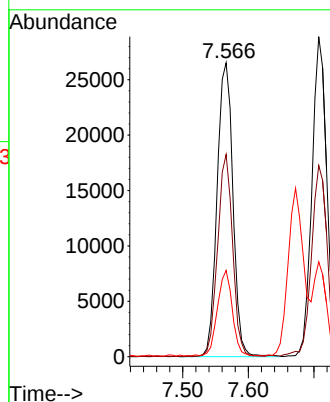
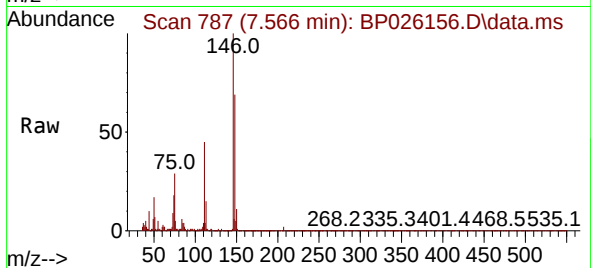
Tgt Ion:146 Resp: 44297

Ion Ratio Lower Upper

146 100

148 68.8 51.8 77.8

75 29.4 22.2 33.2



#13

1,4-Dichlorobenzene

Concen: 2.352 ng

RT: 7.707 min Scan# 811

Delta R.T. 0.006 min

Lab File: BP026156.D

Acq: 19 Nov 2025 12:16

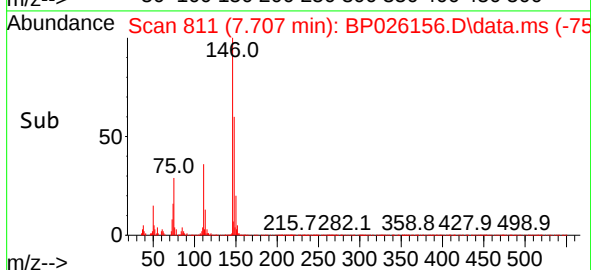
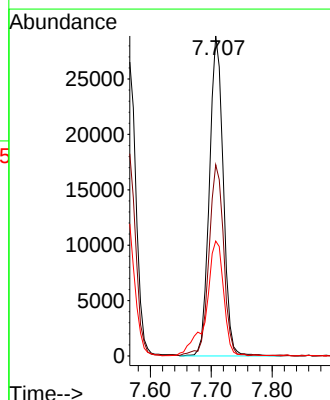
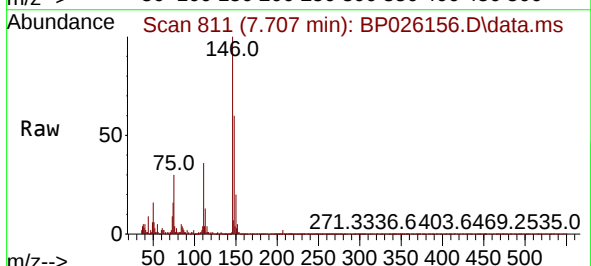
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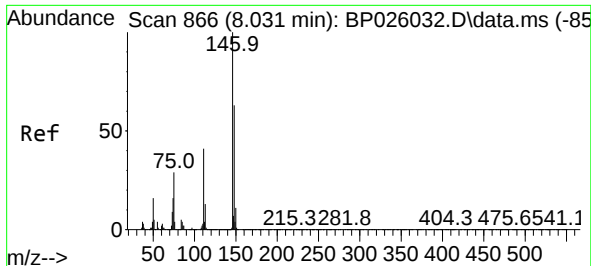
Ion Ratio Lower Upper

146 100

148 59.7 51.4 77.2

111 35.9 31.7 47.5

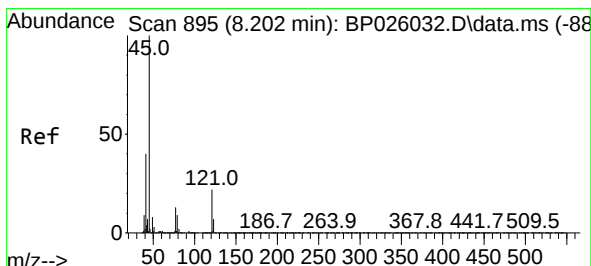
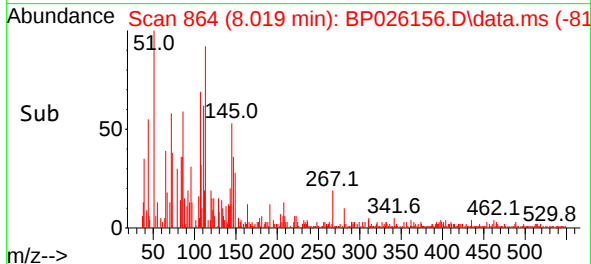
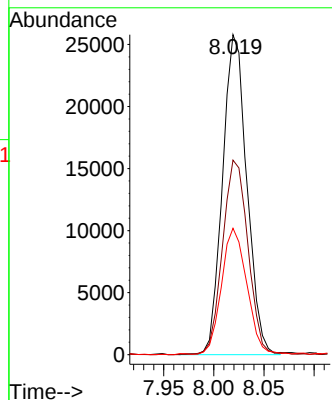
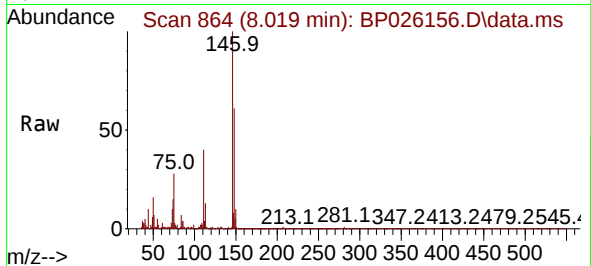




#14
1,2-Dichlorobenzene
Concen: 2.332 ng
RT: 8.019 min Scan# 801
Delta R.T. 0.006 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

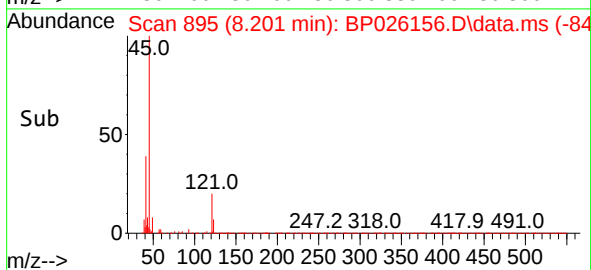
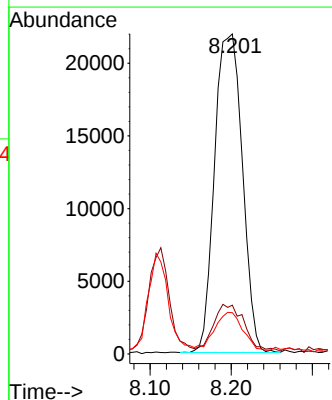
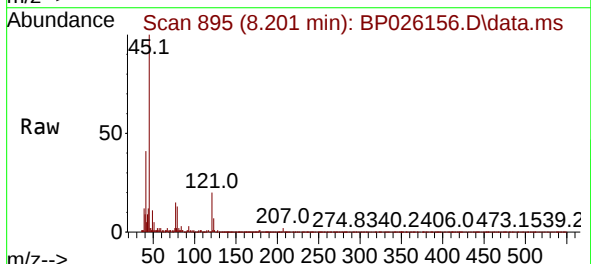
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

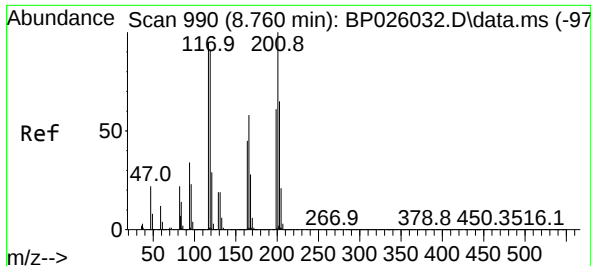
Tgt Ion:146 Resp: 43456
Ion Ratio Lower Upper
146 100
148 60.8 51.0 76.6
111 39.5 33.0 49.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 2.198 ng
RT: 8.201 min Scan# 895
Delta R.T. 0.006 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

Tgt Ion: 45 Resp: 52057
Ion Ratio Lower Upper
45 100
77 15.2 0.0 33.9
79 12.9 0.0 30.4

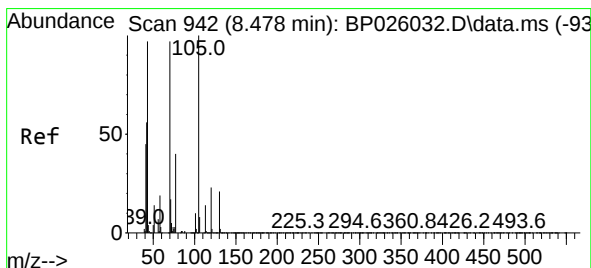
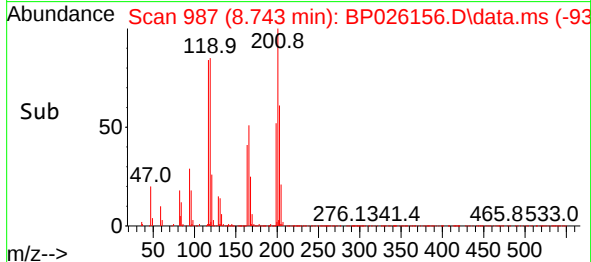
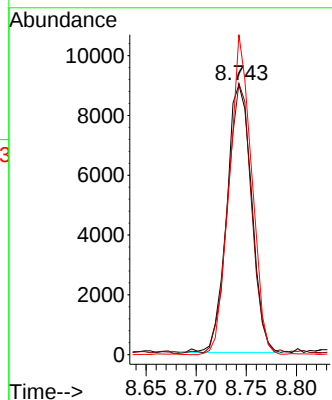
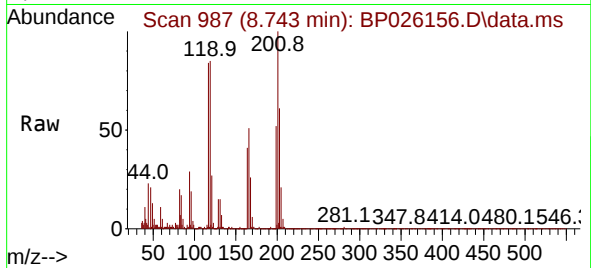




#18
Hexachloroethane
Concen: 2.195 ng
RT: 8.743 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

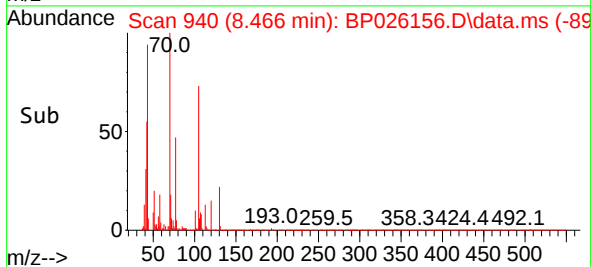
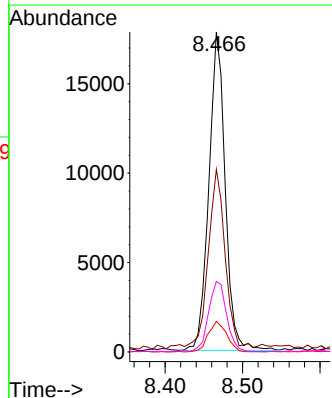
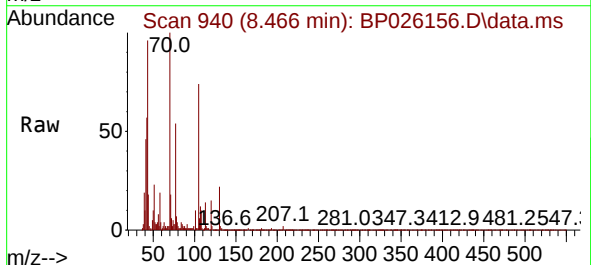
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

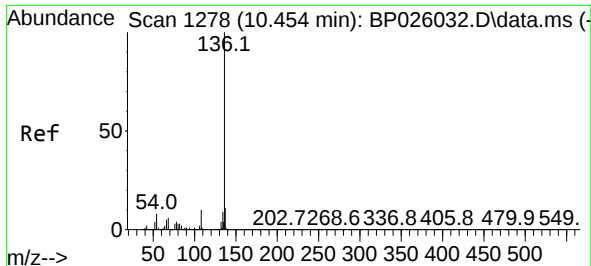
Tgt Ion:117 Resp: 15502
Ion Ratio Lower Upper
117 100
119 100.4 78.7 118.1
201 118.5 85.1 127.7



#19
n-Nitroso-di-n-propylamine
Concen: 2.106 ng
RT: 8.466 min Scan# 940
Delta R.T. -0.006 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

Tgt Ion: 70 Resp: 26158
Ion Ratio Lower Upper
70 100
42 57.1 44.1 66.1
101 9.5 8.2 12.4
130 22.0 19.0 28.4



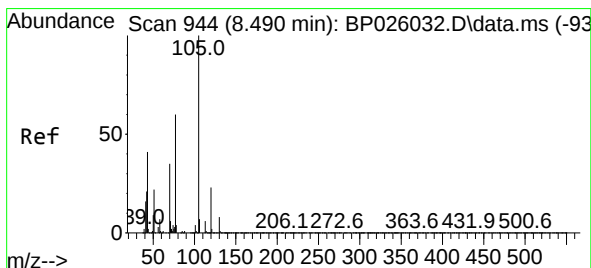
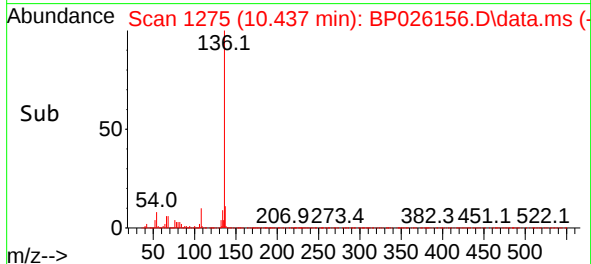
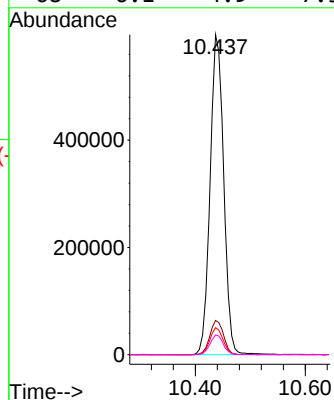
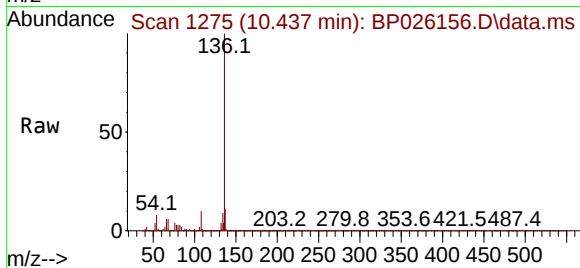


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.437 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

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

Tgt Ion:136 Resp: 1024162

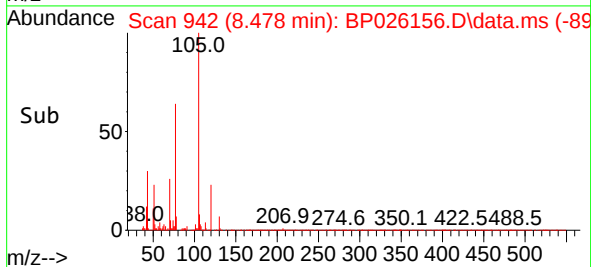
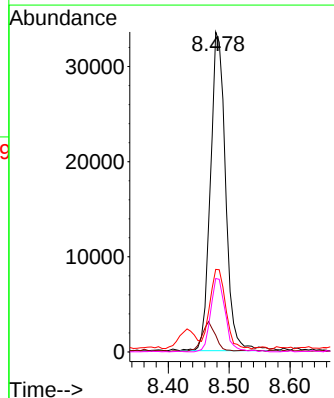
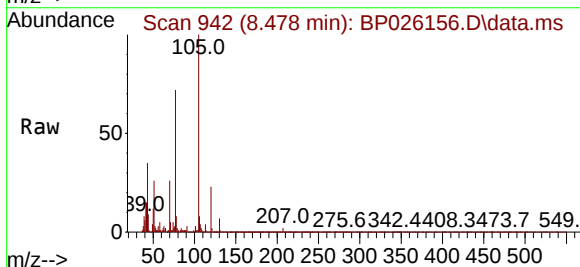
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	8.5	6.4	9.6
68	6.1	4.9	7.3

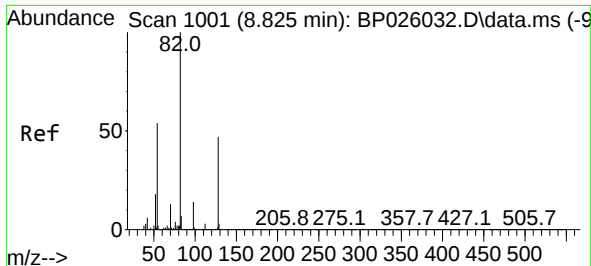


#22
Acetophenone
Concen: 2.225 ng
RT: 8.478 min Scan# 942
Delta R.T. -0.006 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

Tgt Ion:105 Resp: 57917

Ion	Ratio	Lower	Upper
105	100		
71	5.3	3.0	4.4#
51	25.8	20.5	30.7
120	23.0	18.2	27.2

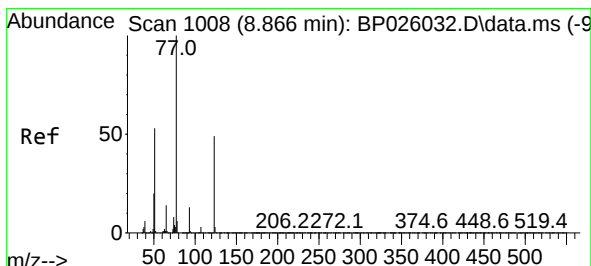
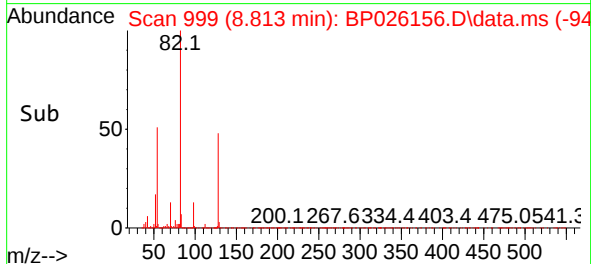
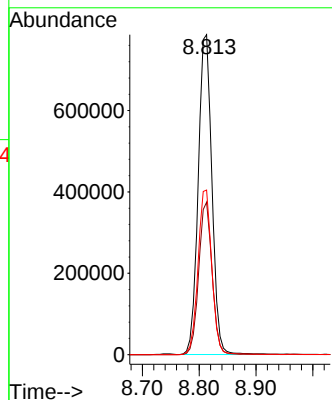
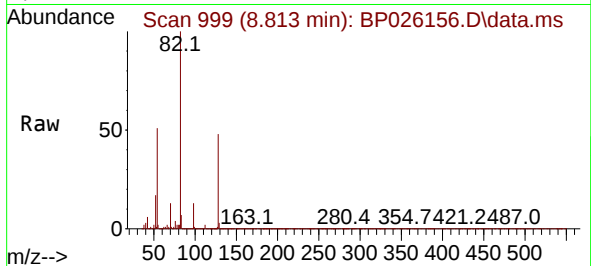




#23
Nitrobenzene-d5
Concen: 73.345 ng
RT: 8.813 min Scan# 94
Delta R.T. -0.000 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

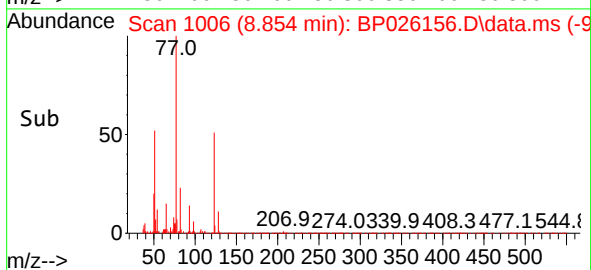
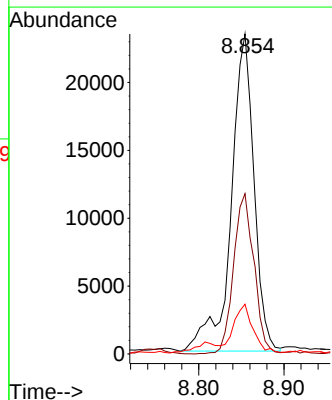
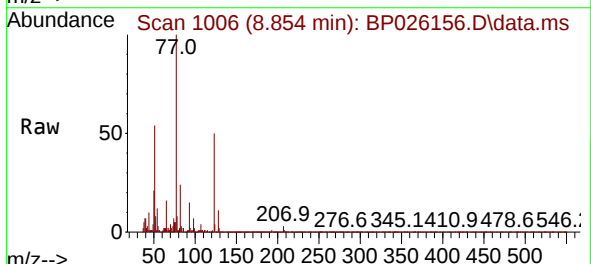
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

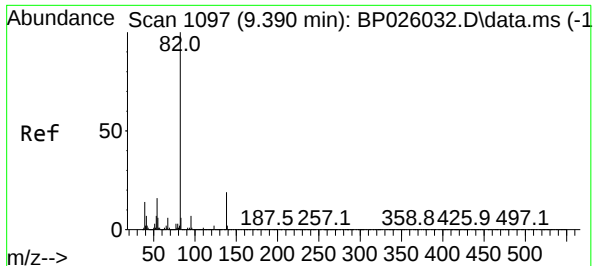
Tgt Ion: 82 Resp: 1322425
Ion Ratio Lower Upper
82 100
128 47.6 37.4 56.0
54 51.4 41.6 62.4



#24
Nitrobenzene
Concen: 2.391 ng
RT: 8.854 min Scan# 1006
Delta R.T. -0.000 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

Tgt Ion: 77 Resp: 43617
Ion Ratio Lower Upper
77 100
123 50.1 39.8 59.8
65 15.6 11.2 16.8

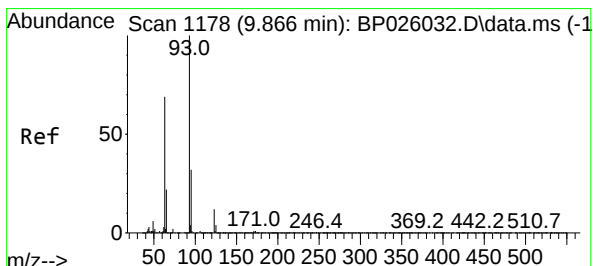
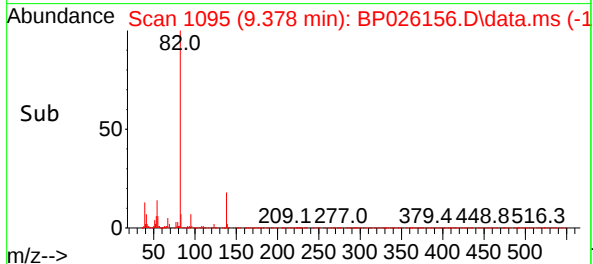
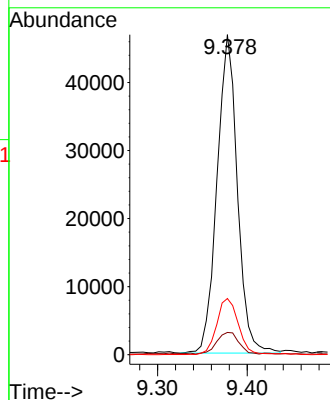
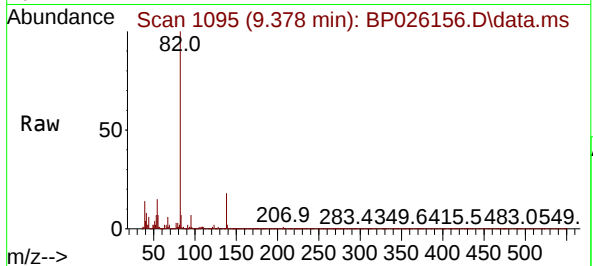




#25
Isophorone
Concen: 2.061 ng
RT: 9.378 min Scan# 1095
Delta R.T. -0.006 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

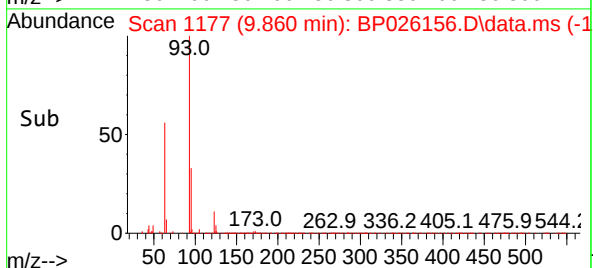
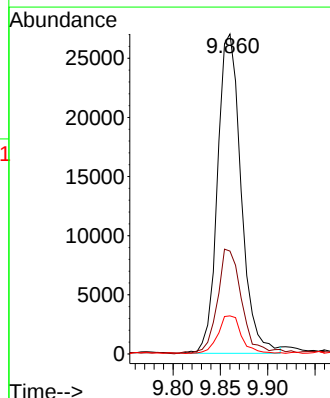
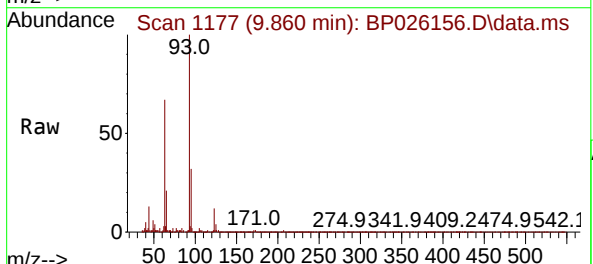
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

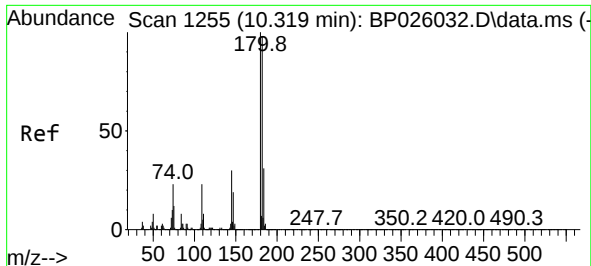
Tgt Ion: 82 Resp: 73668
Ion Ratio Lower Upper
82 100
95 7.0 5.4 8.0
138 17.6 15.4 23.0



#28
bis(2-Chloroethoxy)methane
Concen: 2.088 ng
RT: 9.860 min Scan# 1177
Delta R.T. -0.000 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

Tgt Ion: 93 Resp: 46733
Ion Ratio Lower Upper
93 100
95 32.2 26.4 39.6
123 11.9 9.4 14.0

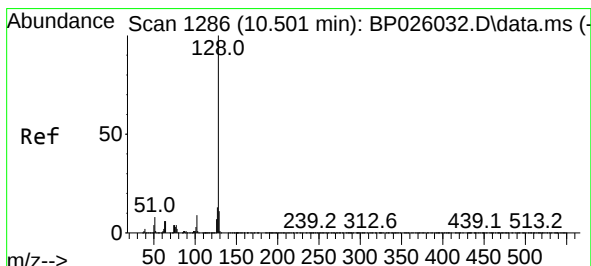
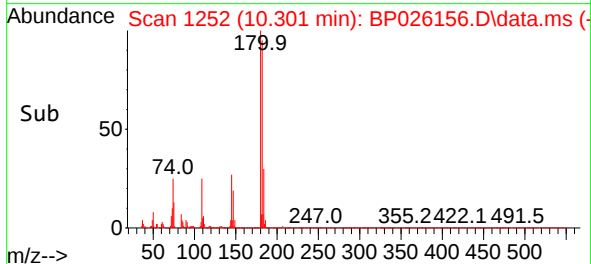
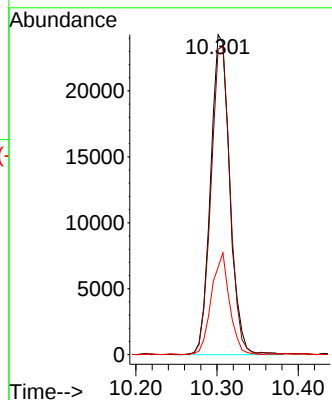
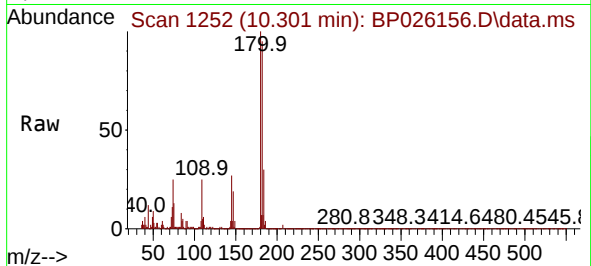




#30
1,2,4-Trichlorobenzene
Concen: 2.347 ng
RT: 10.301 min Scan# 1255
Delta R.T. -0.006 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

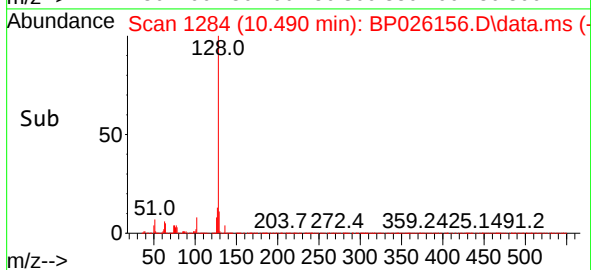
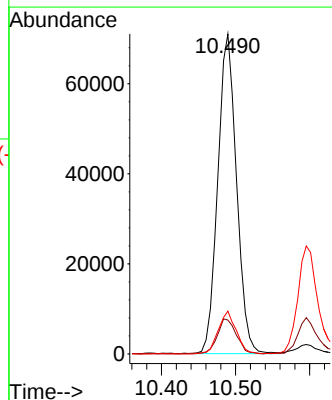
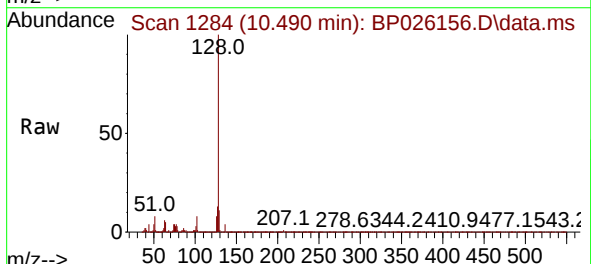
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

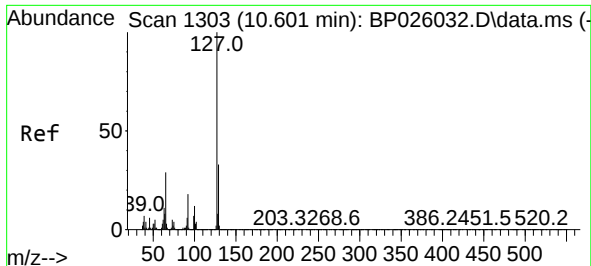
Tgt Ion:180 Resp: 39753
Ion Ratio Lower Upper
180 100
182 95.5 78.1 117.1
145 27.3 24.2 36.4



#31
Naphthalene
Concen: 2.250 ng
RT: 10.490 min Scan# 1284
Delta R.T. -0.006 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

Tgt Ion:128 Resp: 124528
Ion Ratio Lower Upper
128 100
129 10.6 9.0 13.6
127 13.4 10.2 15.4

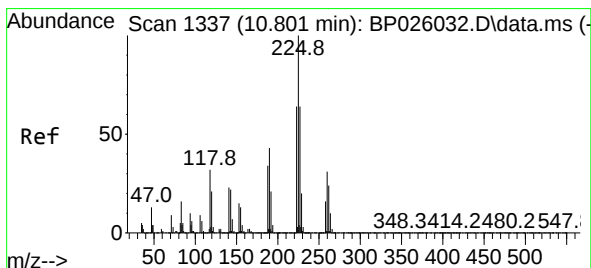
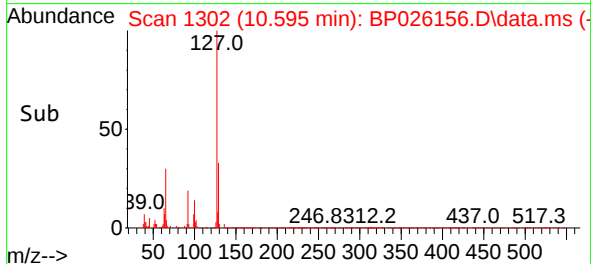
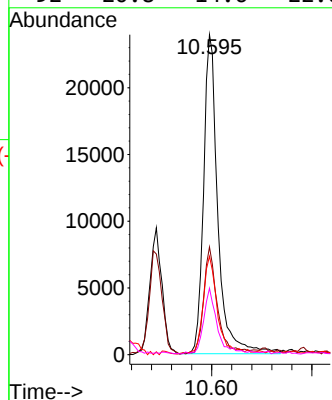
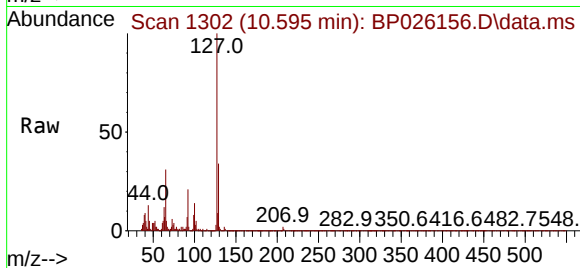




#33
4-Chloroaniline
Concen: 2.011 ng
RT: 10.595 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

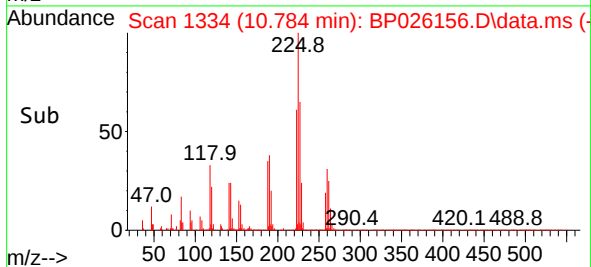
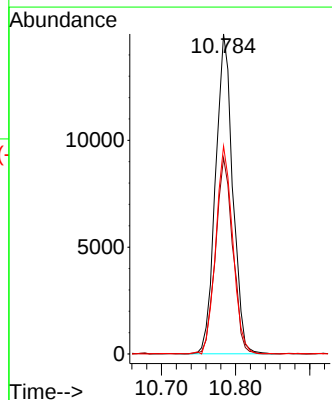
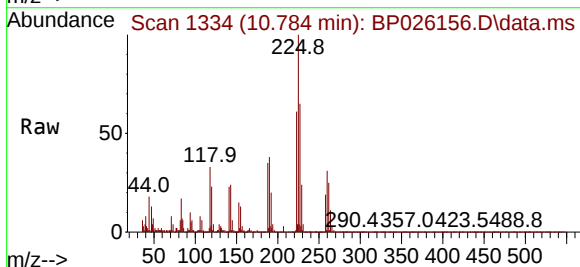
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

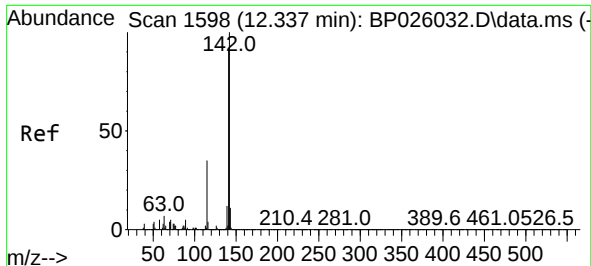
Tgt Ion:	127	Resp:	47339
Ion	Ratio	Lower	Upper
127	100		
129	33.6	25.8	38.8
65	30.7	22.7	34.1
92	20.8	14.6	22.0



#34
Hexachlorobutadiene
Concen: 2.185 ng
RT: 10.784 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

Tgt Ion:	225	Resp:	24065
Ion	Ratio	Lower	Upper
225	100		
223	61.3	49.6	74.4
227	65.0	51.2	76.8

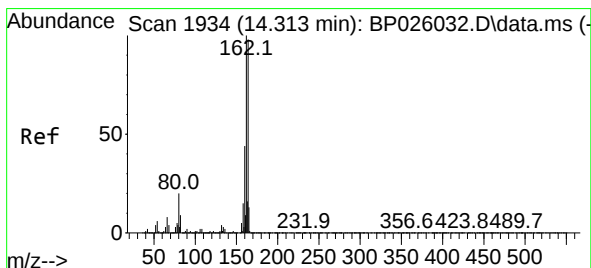
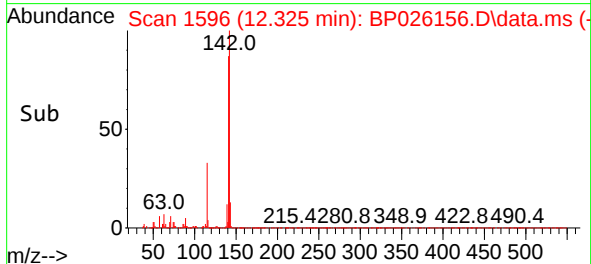
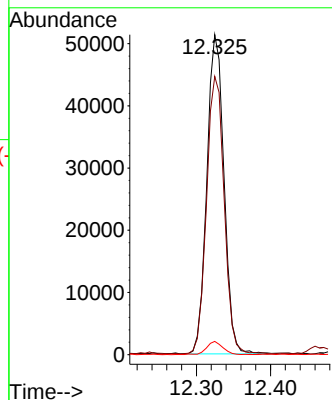
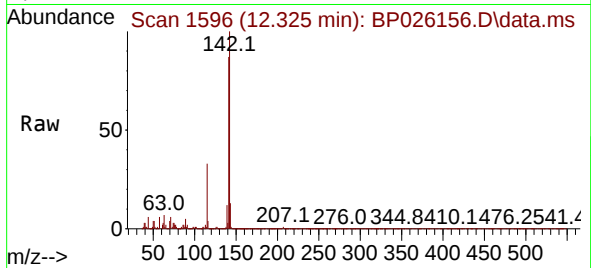




#38
1-Methylnaphthalene
Concen: 2.150 ng
RT: 12.325 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

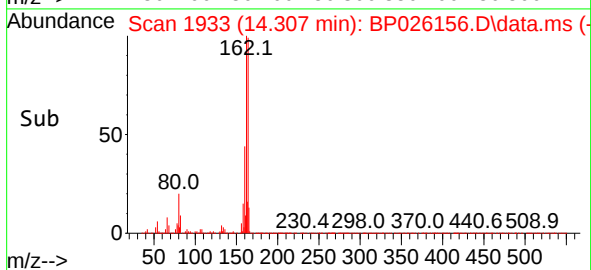
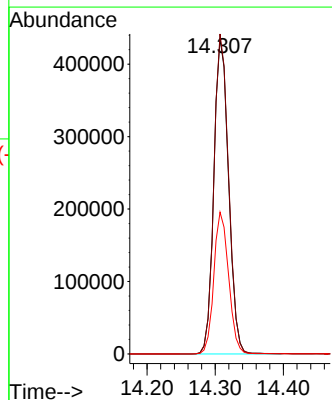
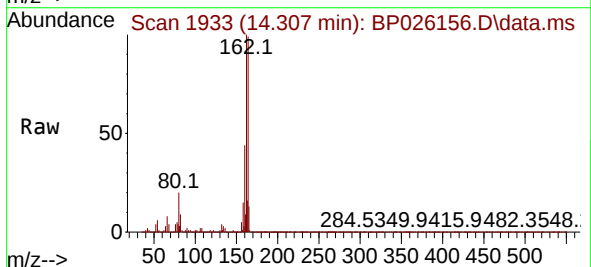
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

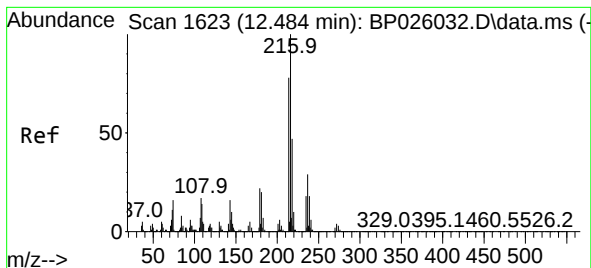
Tgt Ion:142 Resp: 82446
Ion Ratio Lower Upper
142 100
141 87.0 73.5 110.3
116 4.2 3.0 4.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.307 min Scan# 1933
Delta R.T. -0.018 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

Tgt Ion:164 Resp: 656275
Ion Ratio Lower Upper
164 100
162 101.5 80.3 120.5
160 44.9 35.2 52.8

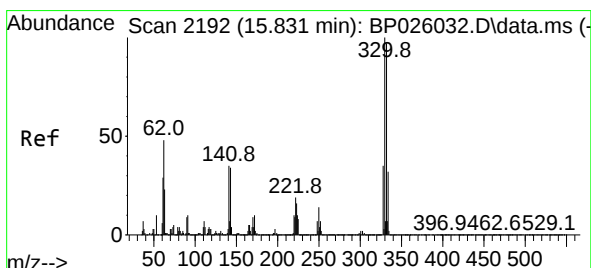
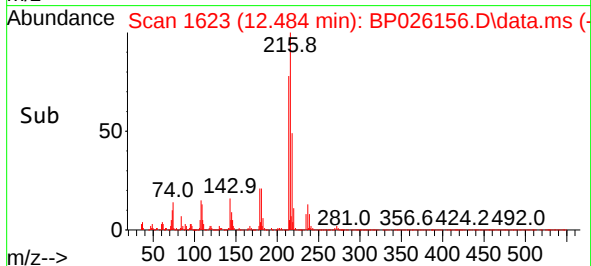
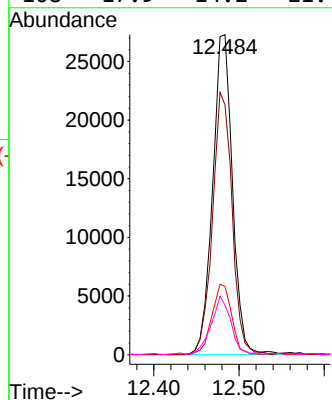
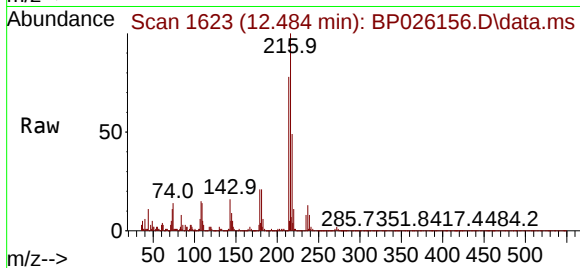




#40
1,2,4,5-Tetrachlorobenzene
Concen: 2.219 ng
RT: 12.484 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

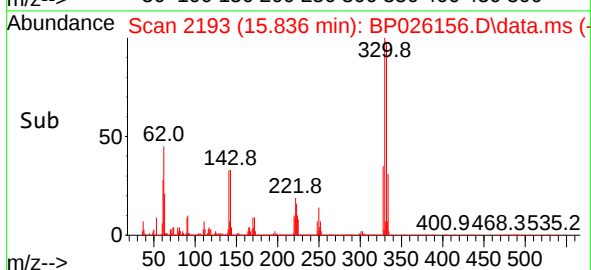
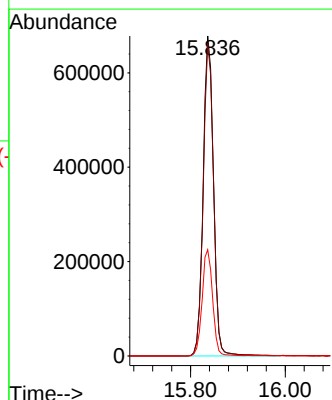
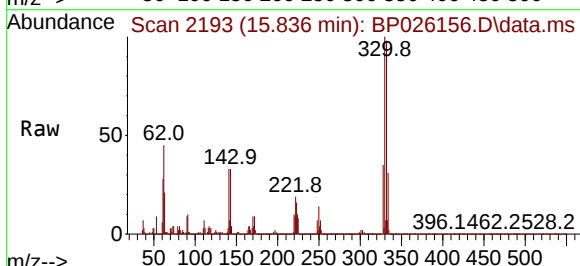
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

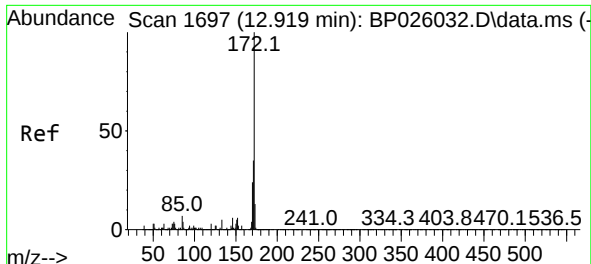
Tgt Ion:	216	Resp:	44040
Ion Ratio	Lower	Upper	
216	100		
214	81.3	62.6	94.0
179	22.1	16.6	25.0
108	17.9	14.2	21.4



#42
2,4,6-Tribromophenol
Concen: 121.253 ng
RT: 15.836 min Scan# 2193
Delta R.T. -0.000 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

Tgt Ion:	330	Resp:	1032289
Ion Ratio	Lower	Upper	
330	100		
332	97.3	78.0	117.0
141	33.5	26.8	40.2

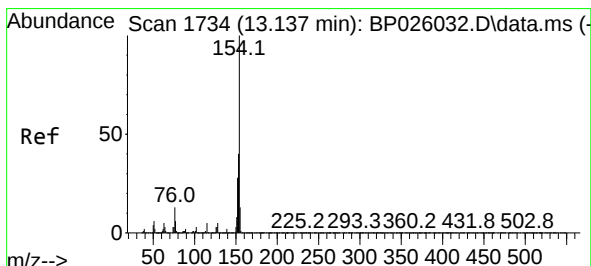
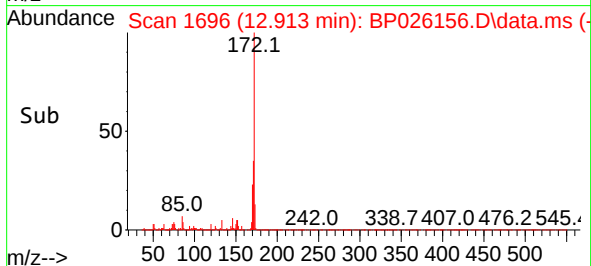
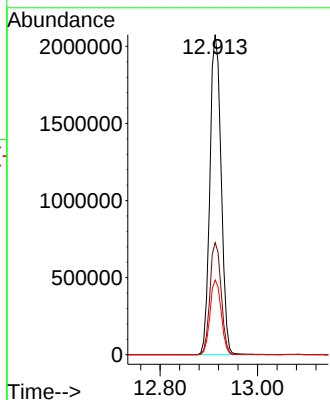
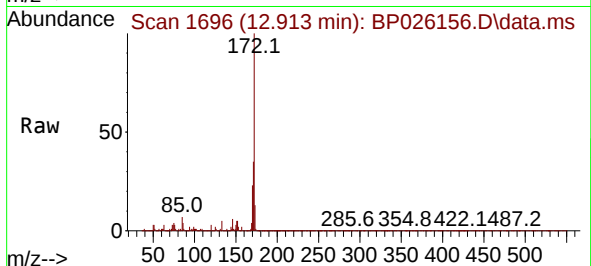




#45
2-Fluorobiphenyl
Concen: 73.794 ng
RT: 12.913 min Scan# 1697
Delta R.T. -0.018 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

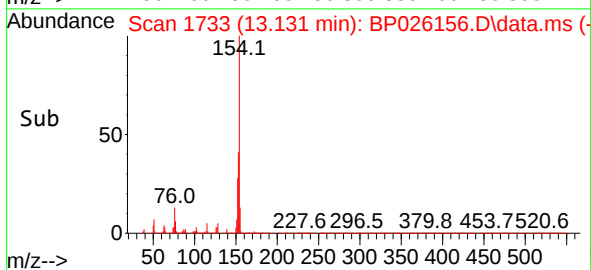
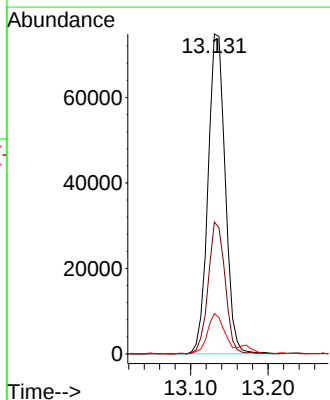
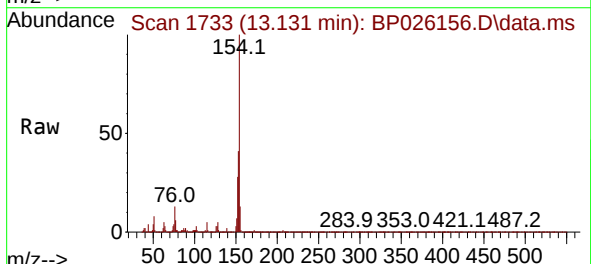
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

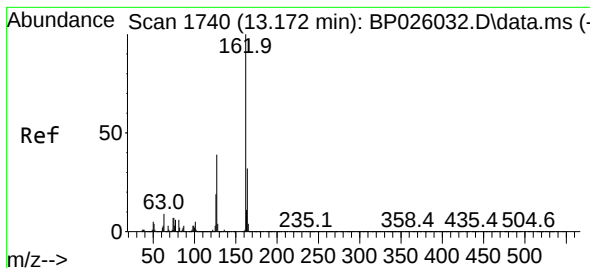
Tgt Ion:172 Resp: 3304393
Ion Ratio Lower Upper
172 100
171 35.0 28.2 42.4
170 23.3 18.7 28.1



#46
1,1'-Biphenyl
Concen: 2.333 ng
RT: 13.131 min Scan# 1733
Delta R.T. -0.006 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

Tgt Ion:154 Resp: 115281
Ion Ratio Lower Upper
154 100
153 41.3 20.3 60.3
76 12.7 0.0 32.3

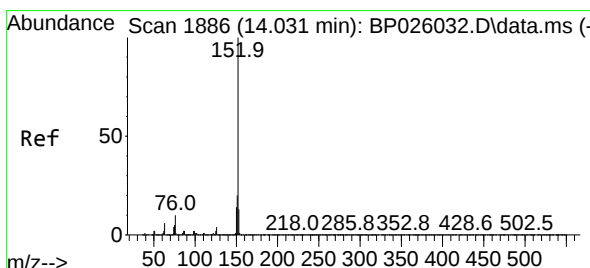
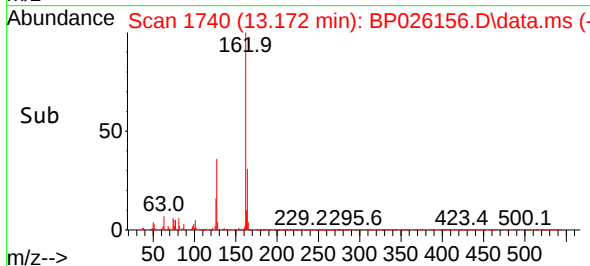
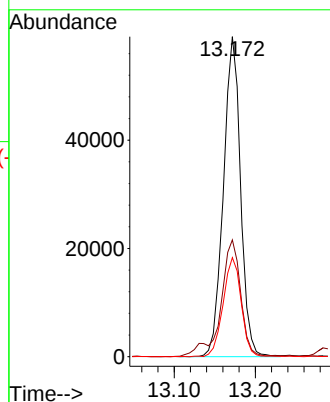
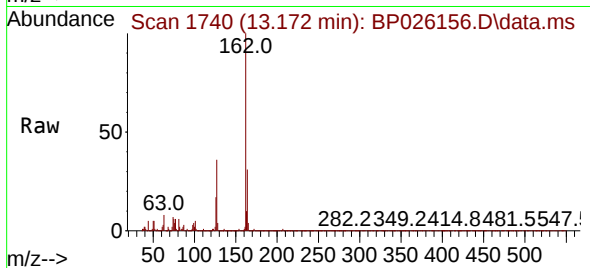




#47
2-Chloronaphthalene
Concen: 2.236 ng
RT: 13.172 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

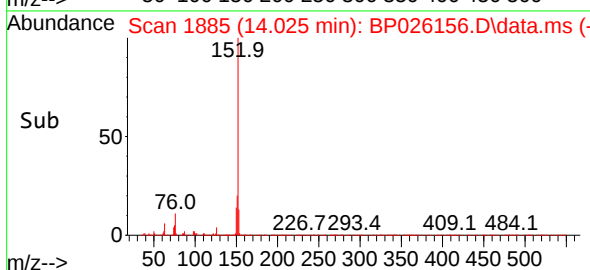
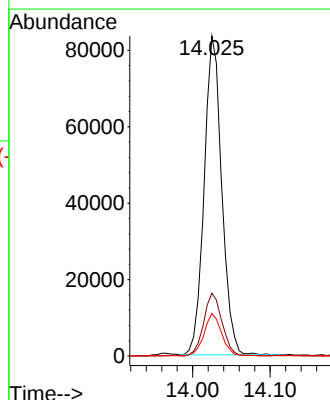
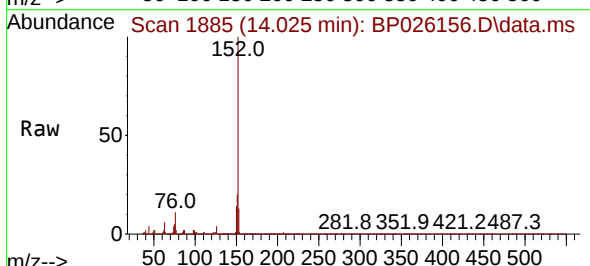
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

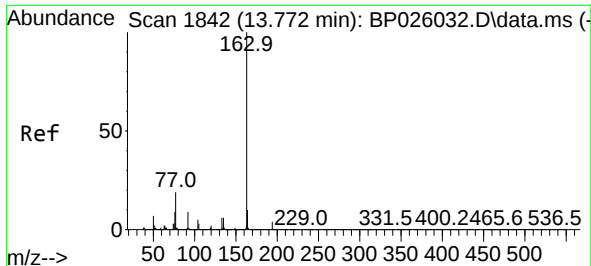
Tgt Ion:	162	Resp:	86890
Ion Ratio	Lower	Upper	
162	100		
127	36.5	30.9	46.3
164	30.9	26.4	39.6



#49
Acenaphthylene
Concen: 2.051 ng
RT: 14.025 min Scan# 1885
Delta R.T. -0.012 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

Tgt Ion:	152	Resp:	131489
Ion Ratio	Lower	Upper	
152	100		
151	19.6	15.8	23.8
153	13.3	10.6	16.0

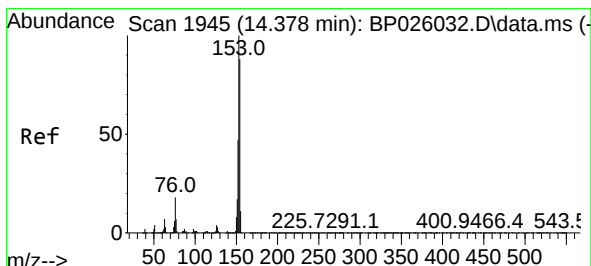
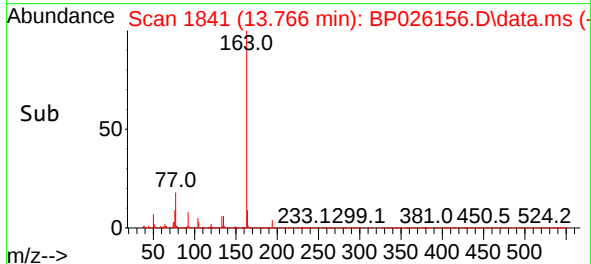
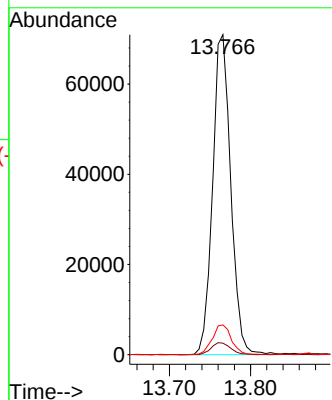
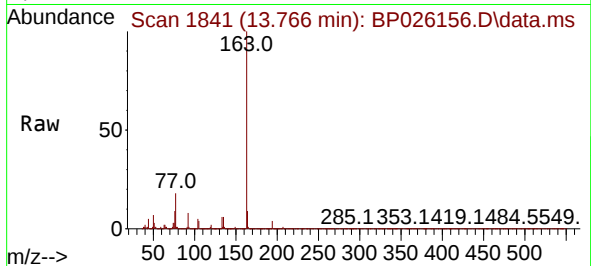




#50
Dimethylphthalate
Concen: 2.246 ng
RT: 13.766 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

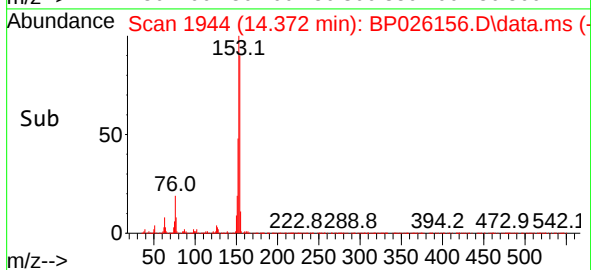
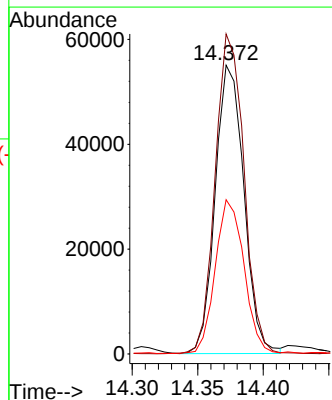
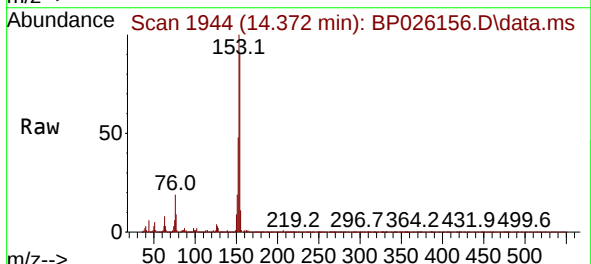
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

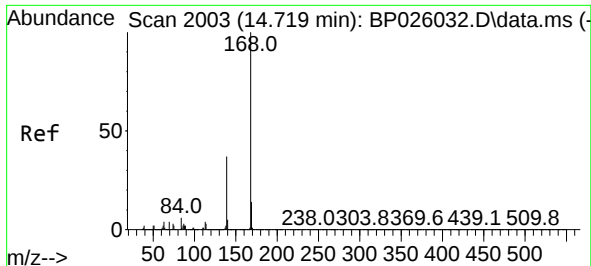
Tgt Ion:163 Resp: 110091
Ion Ratio Lower Upper
163 100
194 3.6 3.3 4.9
164 9.3 8.2 12.2



#52
Acenaphthene
Concen: 2.230 ng
RT: 14.372 min Scan# 1944
Delta R.T. -0.012 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

Tgt Ion:154 Resp: 83771
Ion Ratio Lower Upper
154 100
153 110.8 90.7 136.1
152 53.4 42.8 64.2

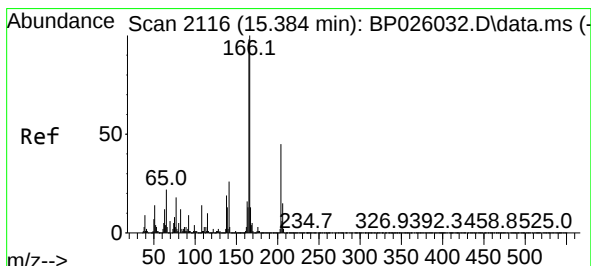
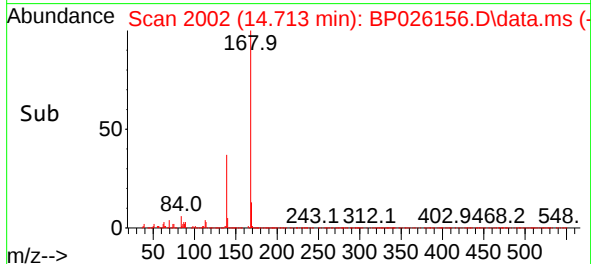
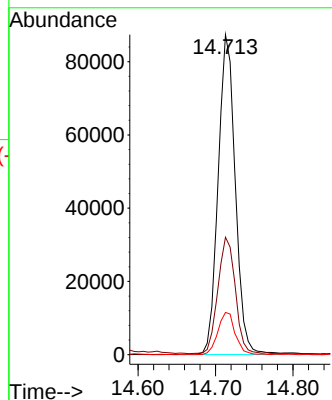
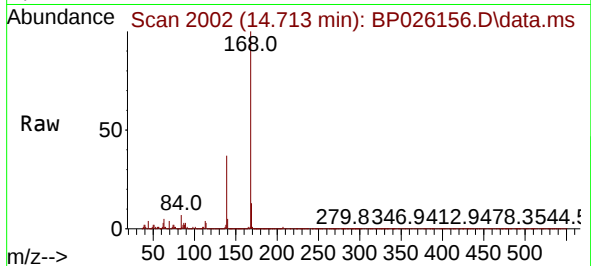




#55
Dibenzenofuran
Concen: 2.311 ng
RT: 14.713 min Scan# 20
Delta R.T. -0.012 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

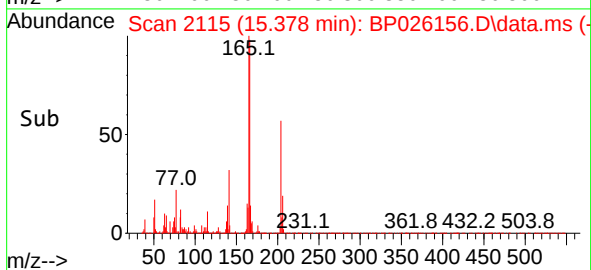
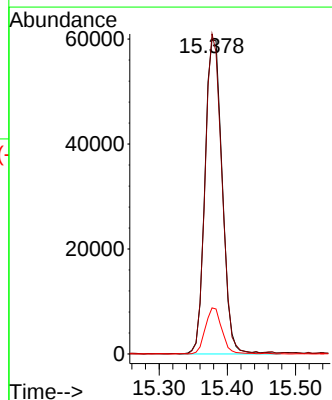
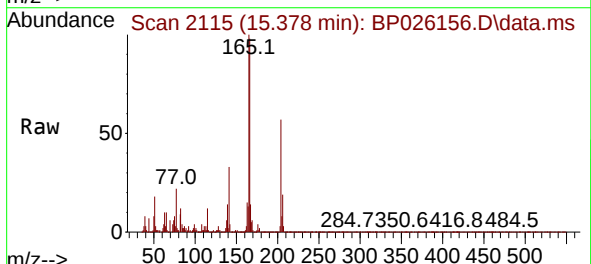
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

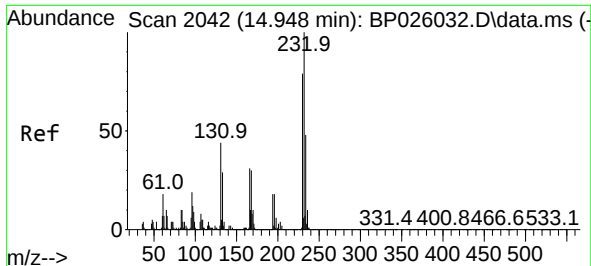
Tgt Ion:168 Resp: 134463
Ion Ratio Lower Upper
168 100
139 36.7 29.8 44.6
169 13.2 10.9 16.3



#58
Fluorene
Concen: 2.298 ng
RT: 15.378 min Scan# 2115
Delta R.T. -0.012 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

Tgt Ion:166 Resp: 105695
Ion Ratio Lower Upper
166 100
165 101.8 77.9 116.9
167 14.7 11.0 16.4

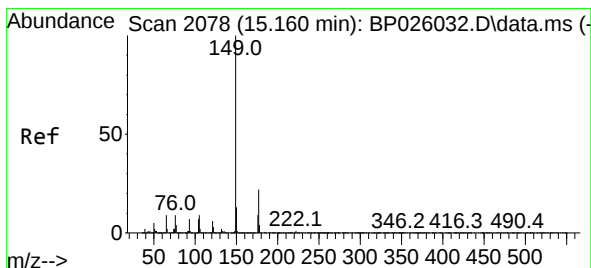
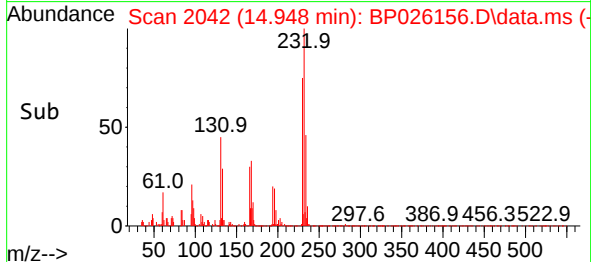
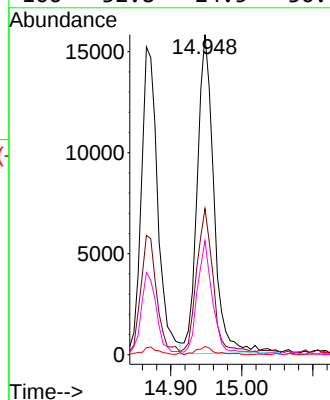
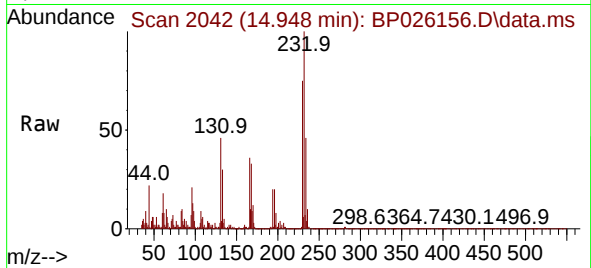




#59
2,3,4,6-Tetrachlorophenol
Concen: 2.015 ng
RT: 14.948 min Scan# 2042
Delta R.T. -0.012 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

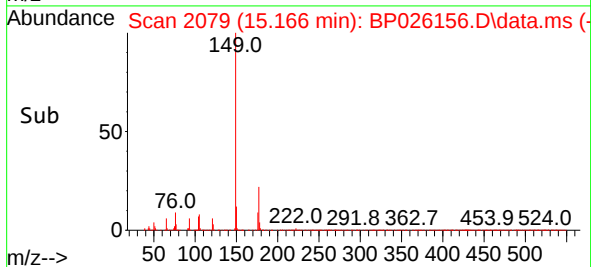
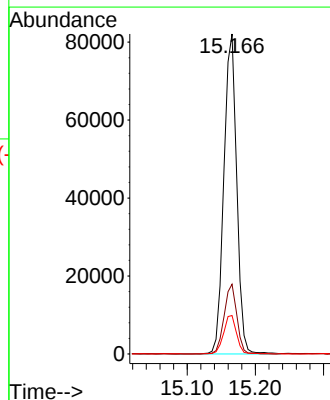
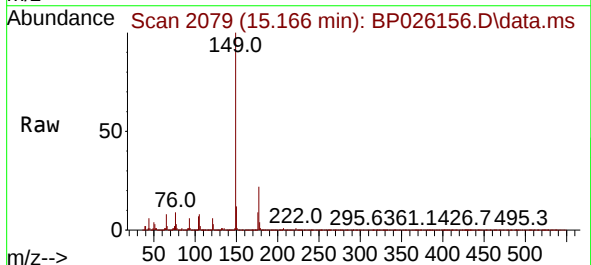
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

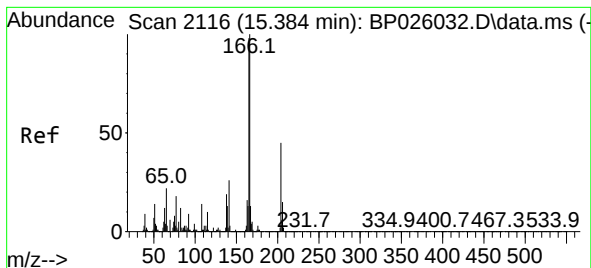
Tgt Ion:	232	Resp:	25955
Ion Ratio	Lower	Upper	
232	100		
131	45.7	34.8	52.2
130	2.7	1.8	2.8
166	32.8	24.5	36.7



#60
Diethylphthalate
Concen: 2.177 ng
RT: 15.166 min Scan# 2079
Delta R.T. -0.006 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

Tgt Ion:	149	Resp:	107501
Ion Ratio	Lower	Upper	
149	100		
177	21.8	17.9	26.9
150	12.0	9.9	14.9

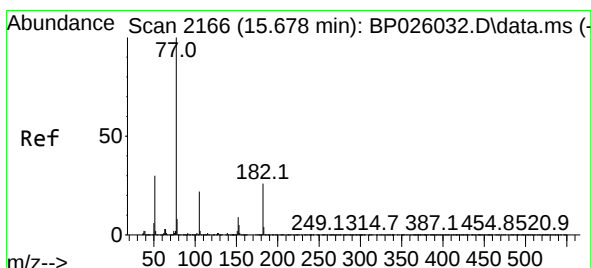
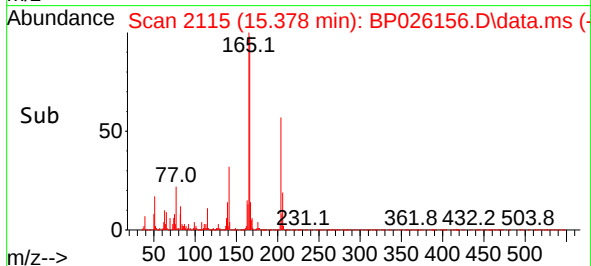
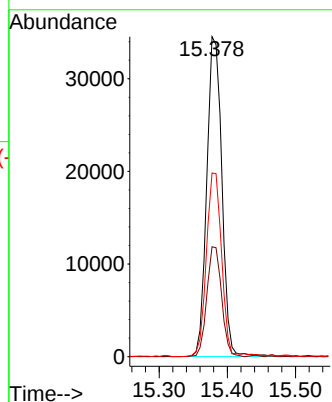
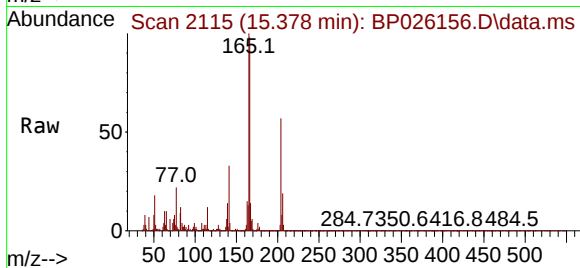




#61
4-Chlorophenyl-phenylether
Concen: 2.326 ng
RT: 15.378 min Scan# 2116
Delta R.T. -0.012 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

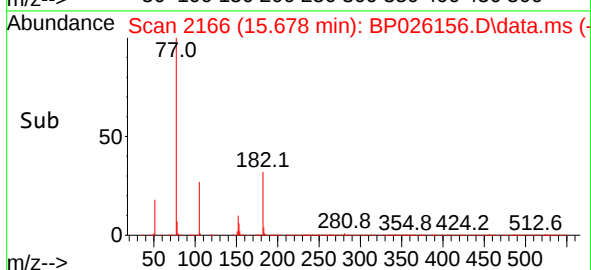
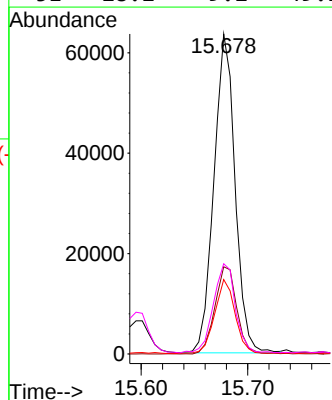
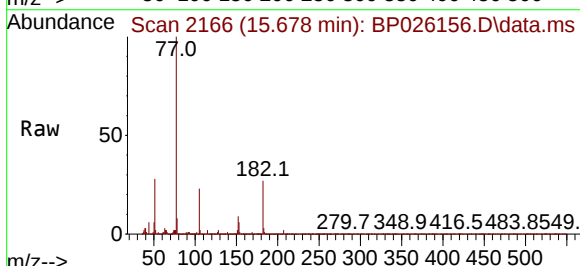
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

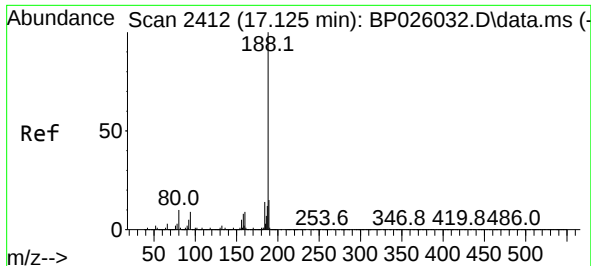
Tgt Ion: 204 Resp: 53219
Ion Ratio Lower Upper
204 100
206 34.3 26.2 39.2
141 57.4 48.1 72.1



#63
Azobenzene
Concen: 2.102 ng
RT: 15.678 min Scan# 2166
Delta R.T. -0.012 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

Tgt Ion: 77 Resp: 87537
Ion Ratio Lower Upper
77 100
182 27.3 8.8 48.8
105 23.2 2.6 42.6
51 28.2 9.2 49.2

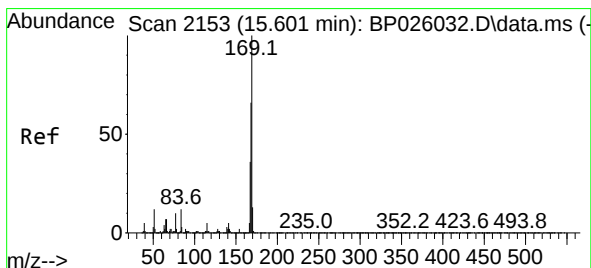
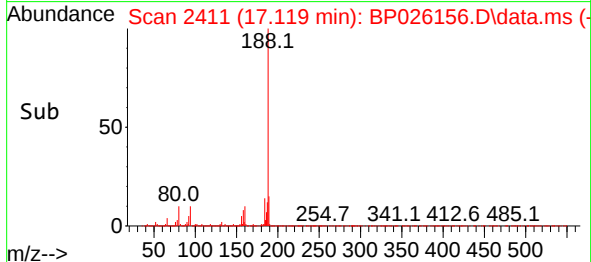
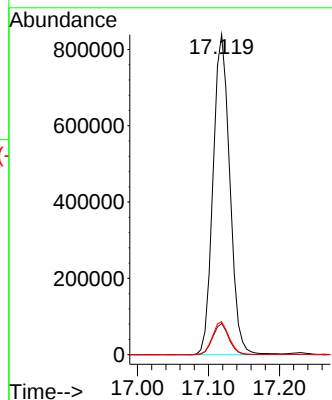
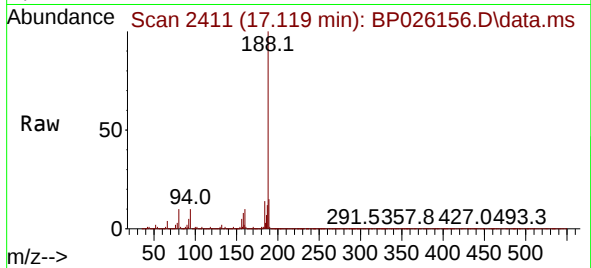




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.119 min Scan# 2412
Delta R.T. -0.012 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

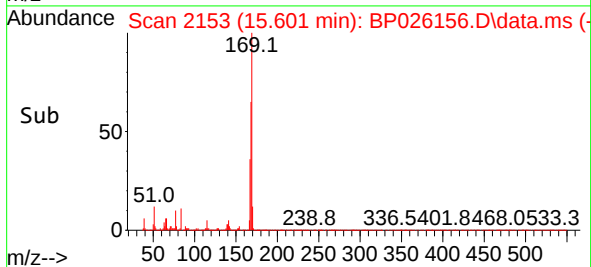
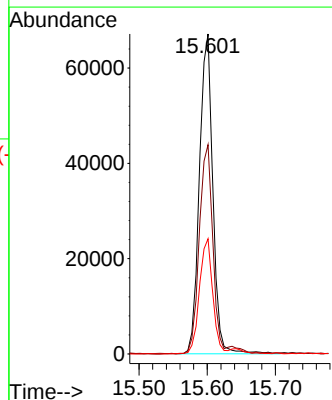
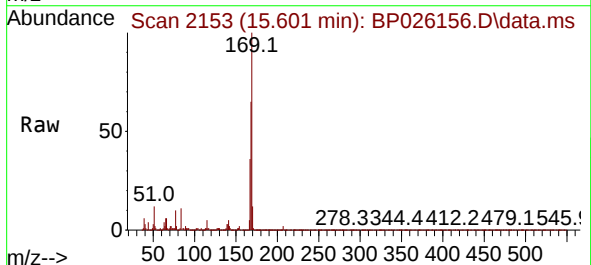
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

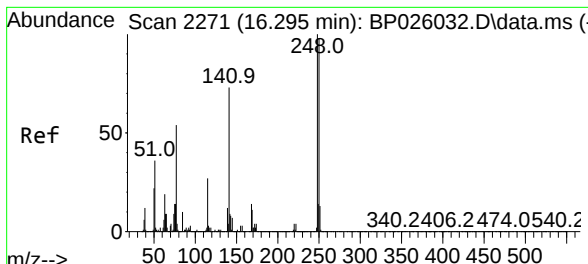
Tgt Ion:188 Resp: 1372157
Ion Ratio Lower Upper
188 100
94 9.7 7.8 11.6
80 10.3 8.2 12.2



#66
n-Nitrosodiphenylamine
Concen: 2.166 ng
RT: 15.601 min Scan# 2153
Delta R.T. -0.006 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

Tgt Ion:169 Resp: 91960
Ion Ratio Lower Upper
169 100
168 65.4 53.1 79.7
167 36.0 28.9 43.3

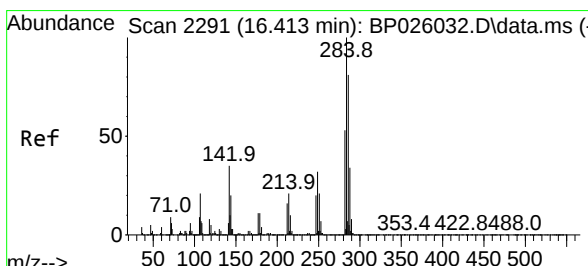
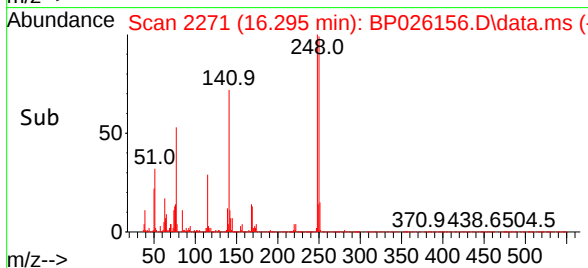
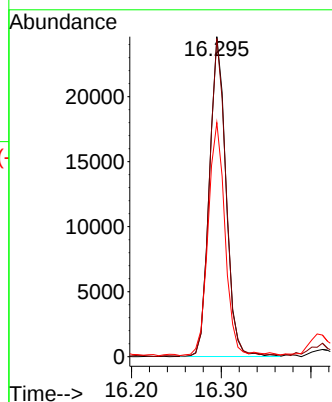
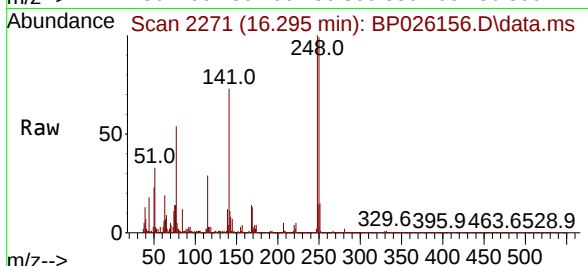




#67
4-Bromophenyl-phenylether
Concen: 2.081 ng
RT: 16.295 min Scan# 2271
Delta R.T. -0.012 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

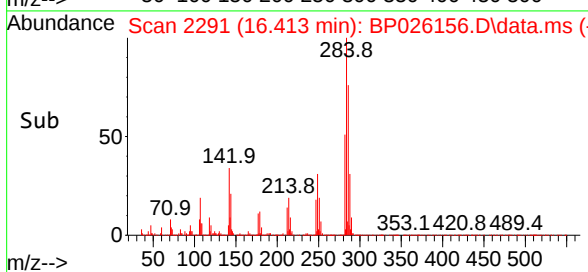
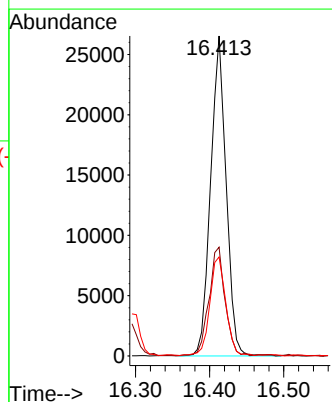
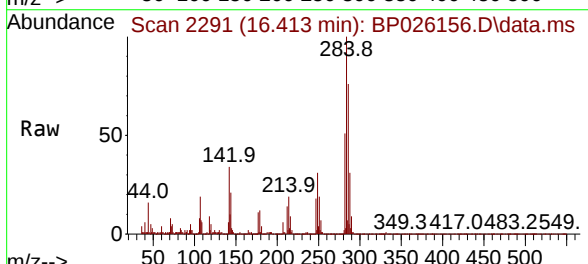
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

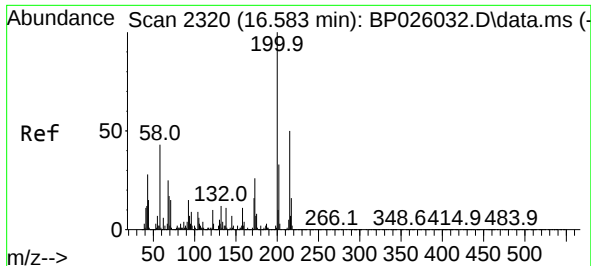
Tgt Ion:	248	Resp:	31619
Ion Ratio	Lower	Upper	
248	100		
250	99.4	77.8	116.6
141	73.1	55.4	83.0



#68
Hexachlorobenzene
Concen: 2.189 ng
RT: 16.413 min Scan# 2291
Delta R.T. -0.012 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

Tgt Ion:	284	Resp:	38598
Ion Ratio	Lower	Upper	
284	100		
142	34.0	28.0	42.0
249	30.9	25.0	37.4

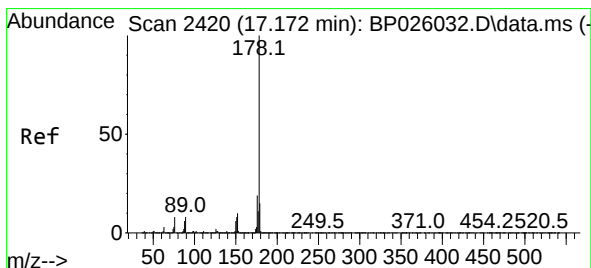
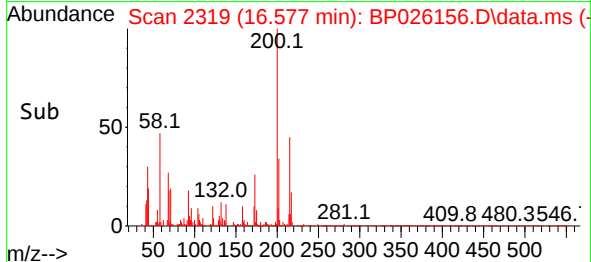
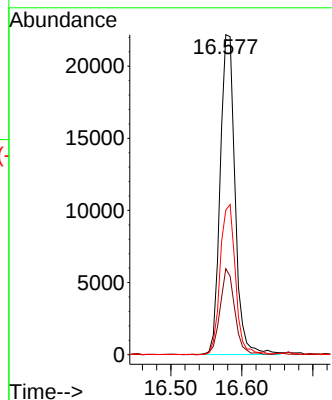
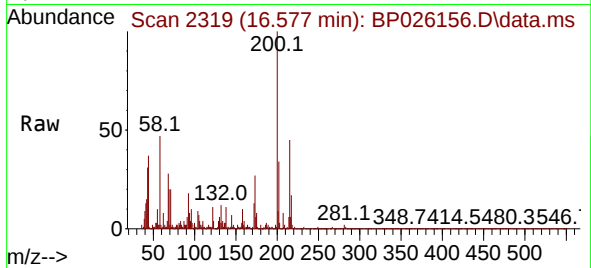




#69
Atrazine
Concen: 2.005 ng
RT: 16.577 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

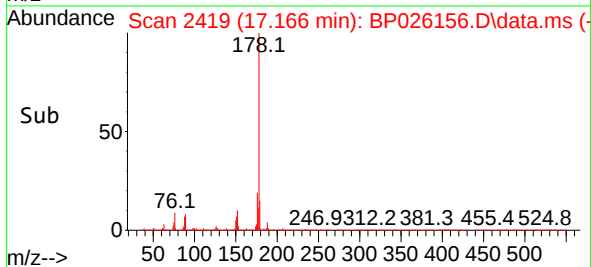
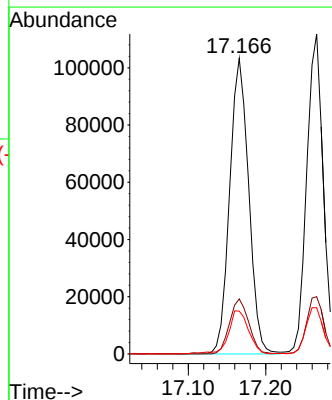
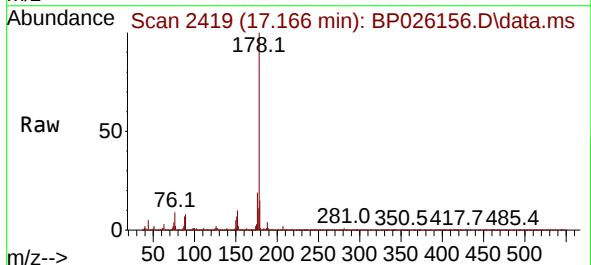
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

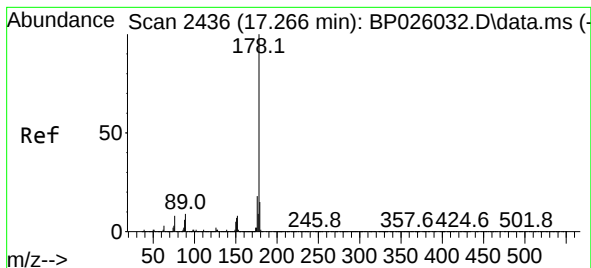
Tgt Ion:200 Resp: 32085
Ion Ratio Lower Upper
200 100
173 26.9 6.7 46.7
215 45.2 27.4 67.4



#71
Phenanthrene
Concen: 2.287 ng
RT: 17.166 min Scan# 2419
Delta R.T. -0.012 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

Tgt Ion:178 Resp: 176809
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.2
179 14.5 12.4 18.6





#72

Anthracene

Concen: 2.116 ng

RT: 17.266 min Scan# 2436

Delta R.T. -0.006 min

Lab File: BP026156.D

Acq: 19 Nov 2025 12:16

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

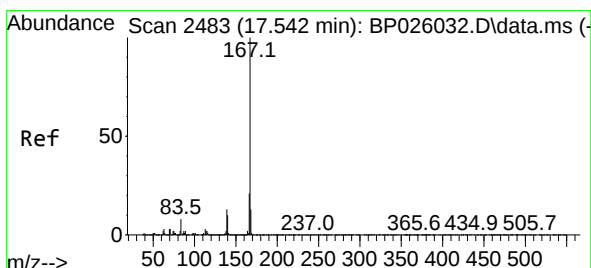
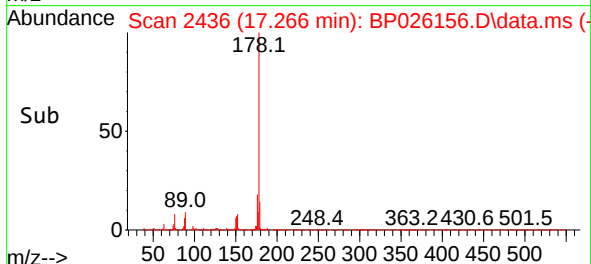
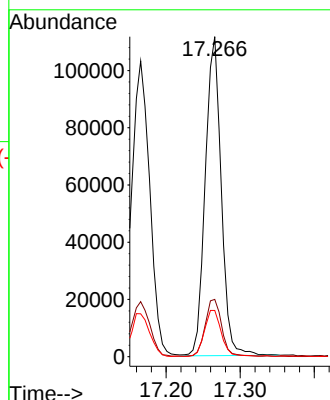
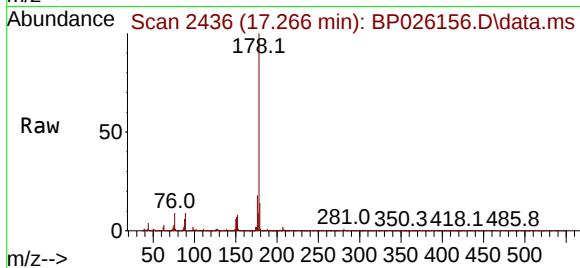
Tgt Ion:178 Resp: 166789

Ion Ratio Lower Upper

178 100

176 17.9 14.8 22.2

179 14.5 12.2 18.4



#73

Carbazole

Concen: 2.082 ng

RT: 17.542 min Scan# 2483

Delta R.T. -0.000 min

Lab File: BP026156.D

Acq: 19 Nov 2025 12:16

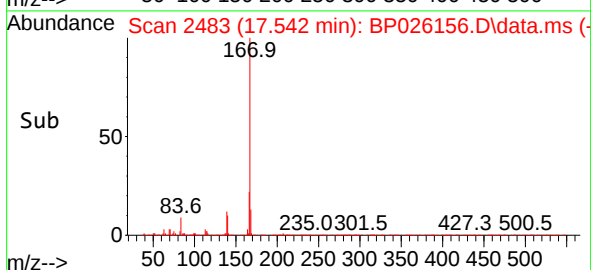
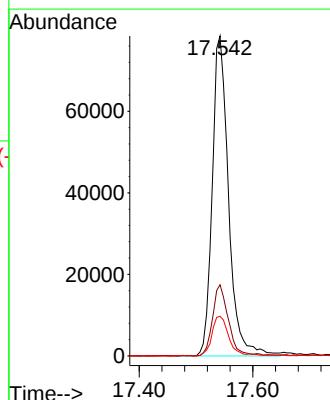
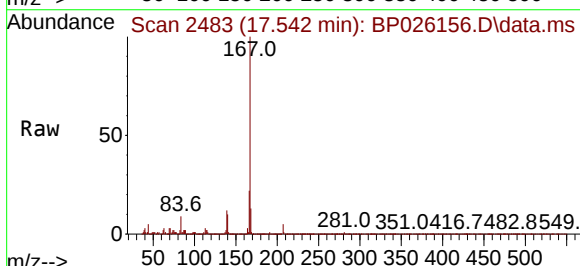
Tgt Ion:167 Resp: 155911

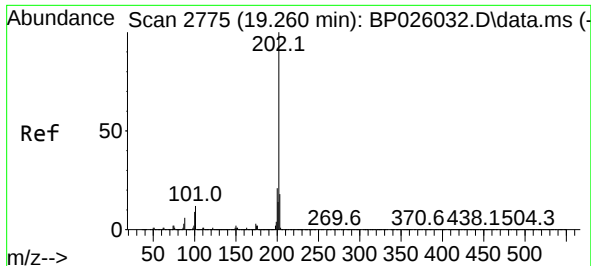
Ion Ratio Lower Upper

167 100

166 22.2 17.1 25.7

139 12.4 10.2 15.4

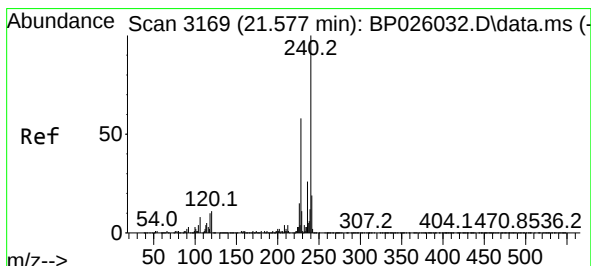
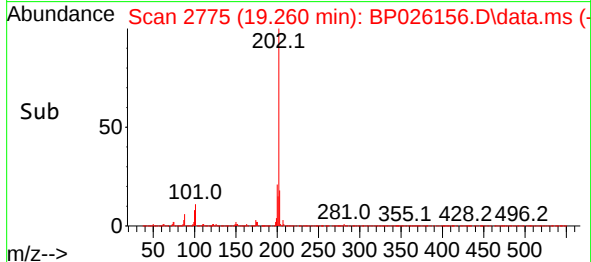
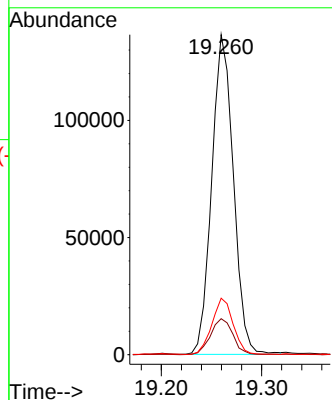
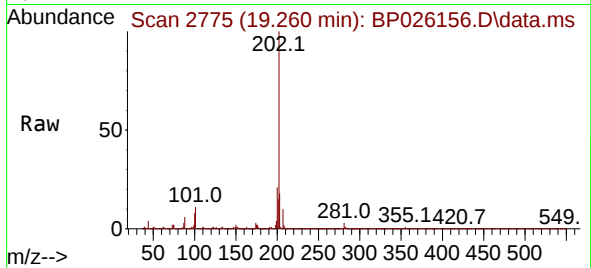




#75
Fluoranthene
Concen: 2.183 ng
RT: 19.260 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

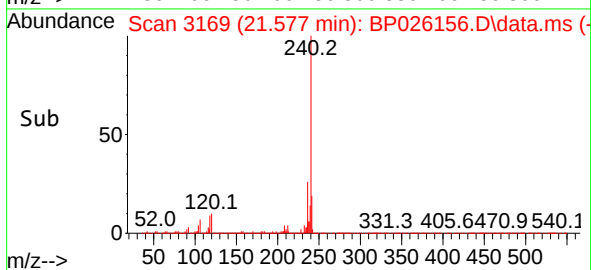
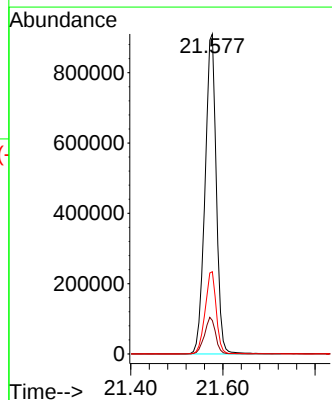
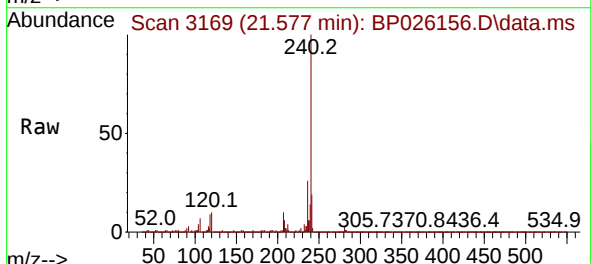
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

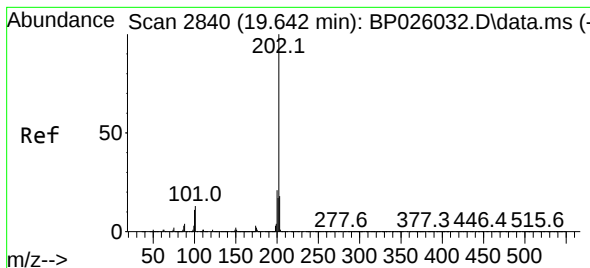
Tgt Ion:202 Resp: 204977
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.2
203 17.6 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.577 min Scan# 3169
Delta R.T. 0.006 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

Tgt Ion:240 Resp: 1553649
Ion Ratio Lower Upper
240 100
120 10.5 9.0 13.4
236 25.7 20.4 30.6





#78

Pyrene

Concen: 2.174 ng

RT: 19.636 min Scan# 2839

Delta R.T. -0.006 min

Lab File: BP026156.D

Acq: 19 Nov 2025 12:16

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

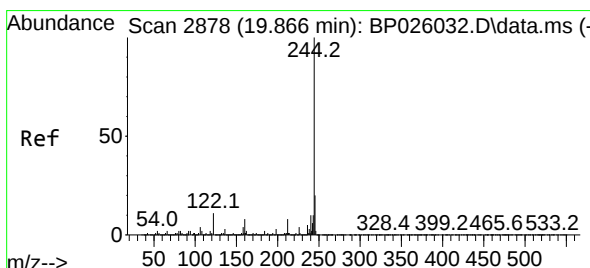
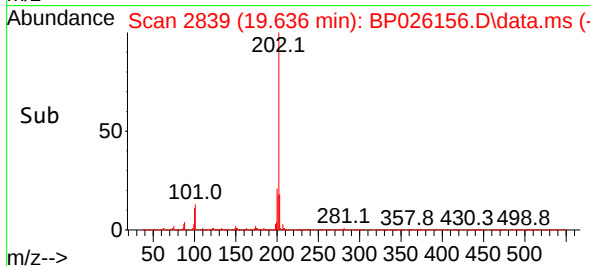
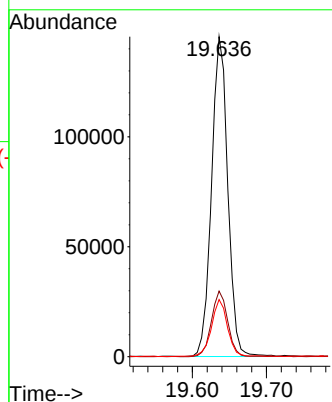
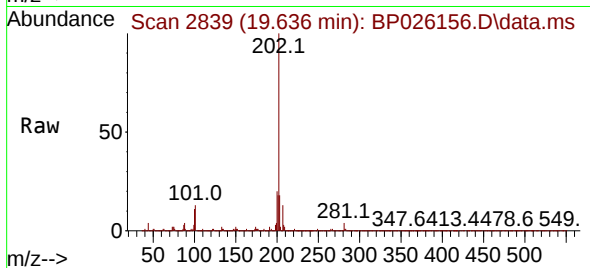
Tgt Ion:202 Resp: 221481

Ion Ratio Lower Upper

202 100

200 20.5 16.9 25.3

203 17.8 13.8 20.8



#79

Terphenyl-d14

Concen: 70.938 ng

RT: 19.860 min Scan# 2877

Delta R.T. -0.012 min

Lab File: BP026156.D

Acq: 19 Nov 2025 12:16

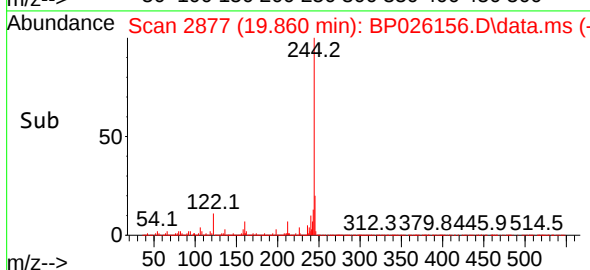
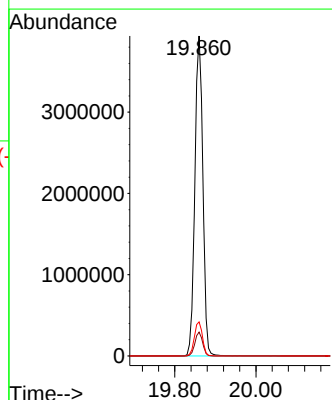
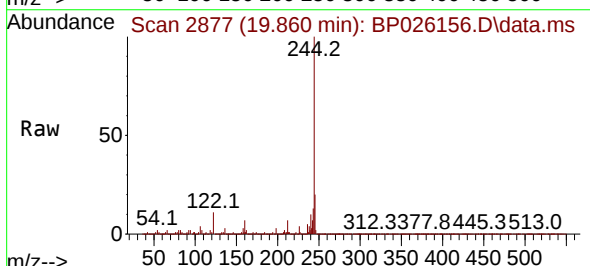
Tgt Ion:244 Resp: 5405116

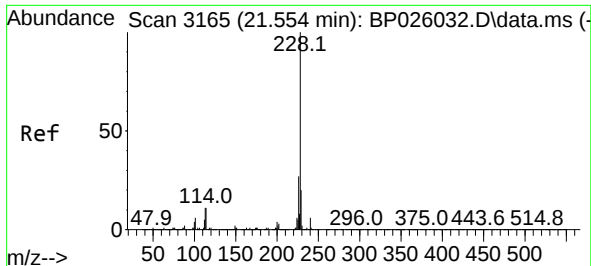
Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

122 10.6 8.2 12.2

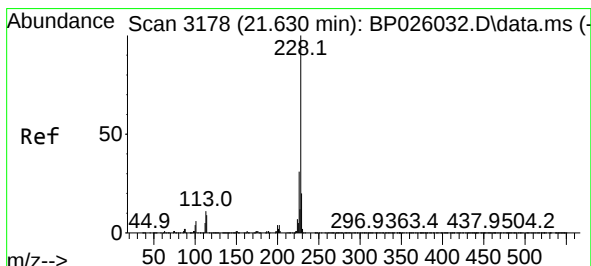
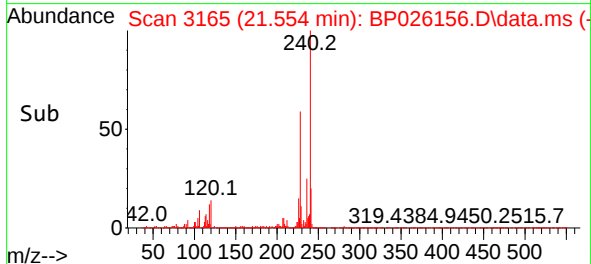
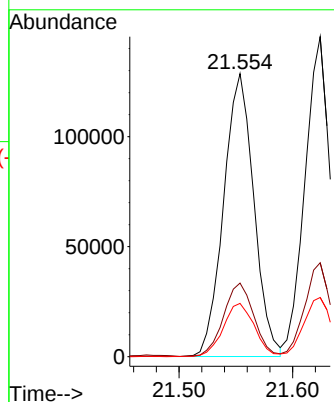
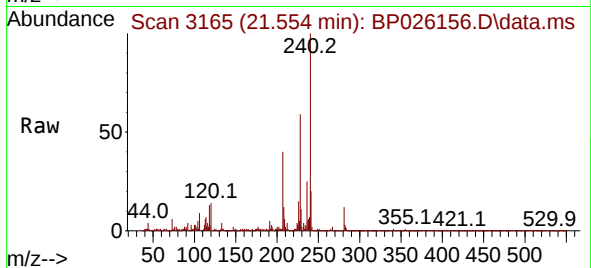




#81
Benzo(a)anthracene
Concen: 2.226 ng
RT: 21.554 min Scan# 3165
Delta R.T. -0.000 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

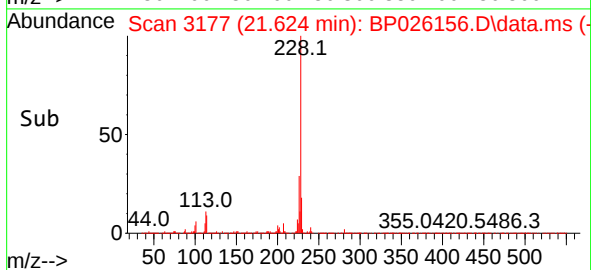
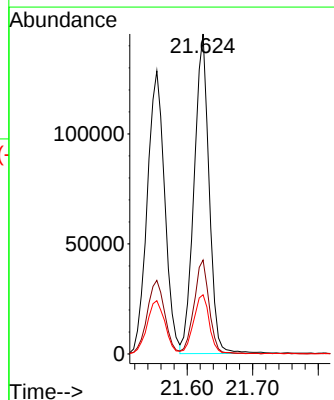
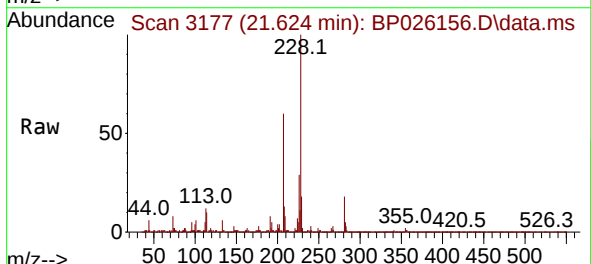
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

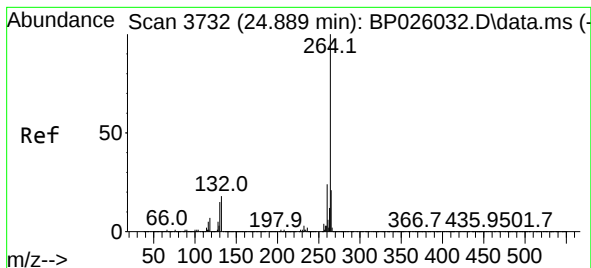
Tgt Ion:228 Resp: 237547
Ion Ratio Lower Upper
228 100
226 26.0 21.8 32.8
229 18.8 15.9 23.9



#83
Chrysene
Concen: 2.290 ng
RT: 21.624 min Scan# 3177
Delta R.T. 0.006 min
Lab File: BP026156.D
Acq: 19 Nov 2025 12:16

Tgt Ion:228 Resp: 230259
Ion Ratio Lower Upper
228 100
226 29.4 23.9 35.9
229 18.5 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.895 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP026156.D

Acq: 19 Nov 2025 12:16

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

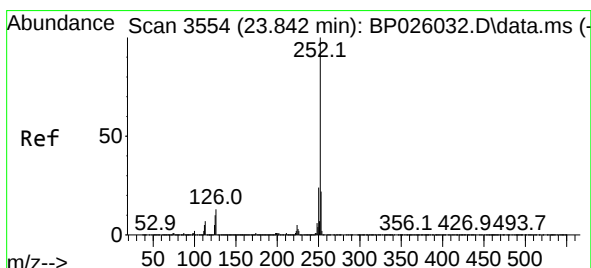
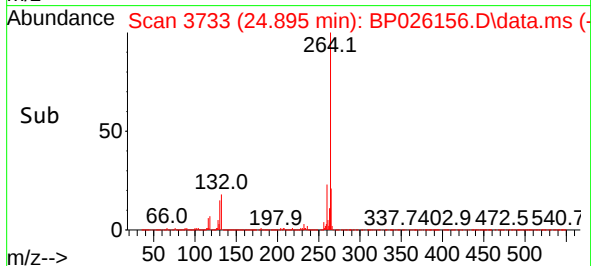
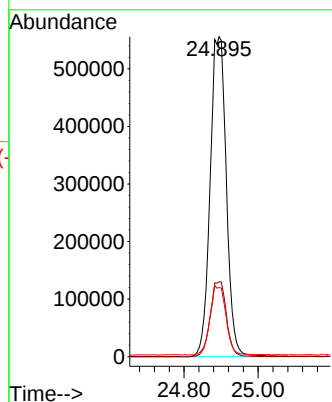
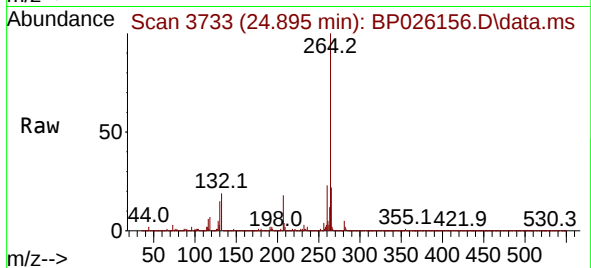
Tgt Ion:264 Resp: 1687016

Ion Ratio Lower Upper

264 100

260 23.4 18.7 28.1

265 21.6 17.5 26.3



#88

Benzo(b)fluoranthene

Concen: 2.174 ng

RT: 23.842 min Scan# 3554

Delta R.T. -0.024 min

Lab File: BP026156.D

Acq: 19 Nov 2025 12:16

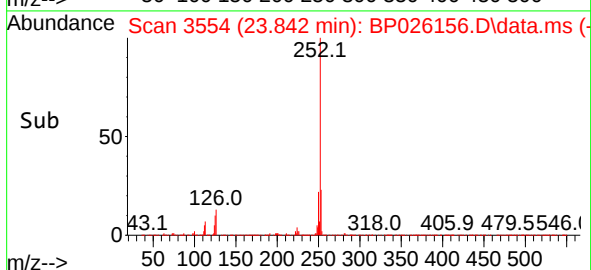
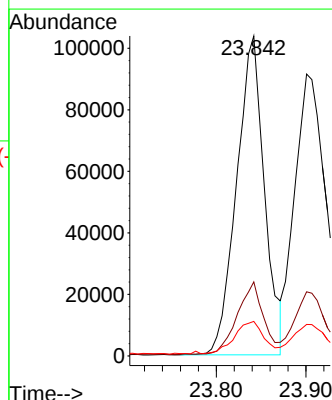
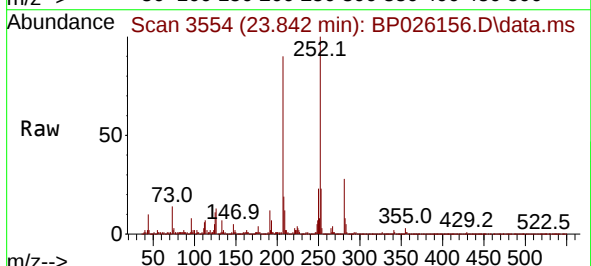
Tgt Ion:252 Resp: 223332

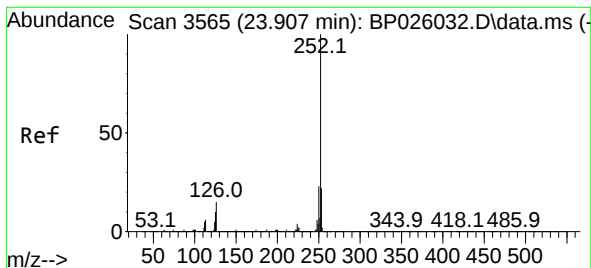
Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

125 10.8 8.2 12.4





#89

Benzo(k)fluoranthene

Concen: 2.198 ng

RT: 23.901 min Scan# 31

Delta R.T. -0.035 min

Lab File: BP026156.D

Acq: 19 Nov 2025 12:16

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

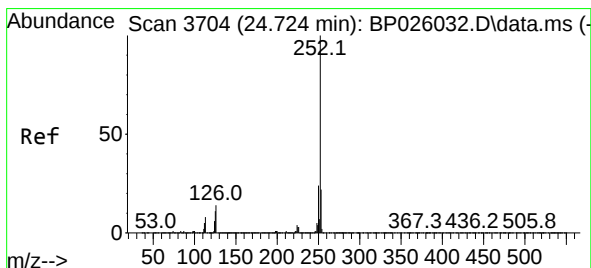
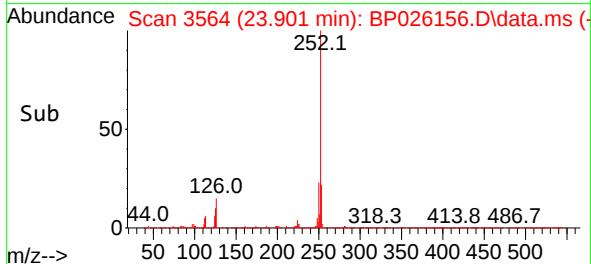
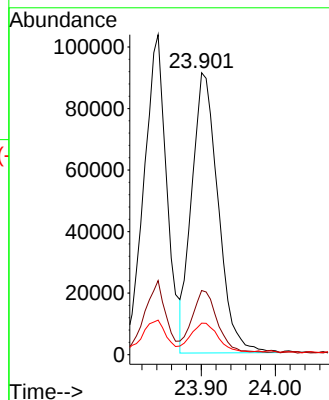
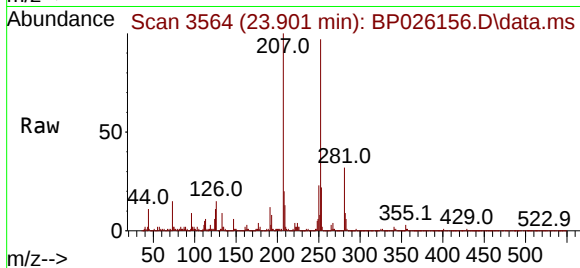
Tgt Ion:252 Resp: 225535

Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

125 11.2 7.5 11.3



#90

Benzo(a)pyrene

Concen: 2.165 ng

RT: 24.724 min Scan# 3704

Delta R.T. -0.029 min

Lab File: BP026156.D

Acq: 19 Nov 2025 12:16

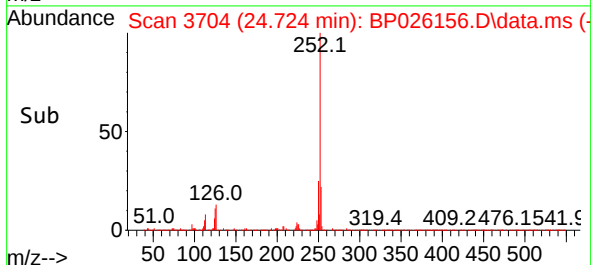
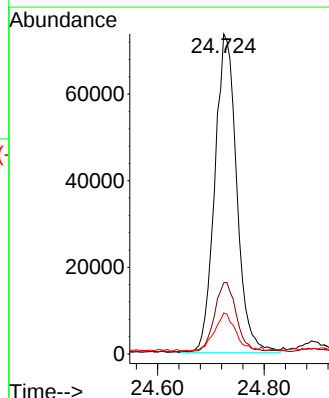
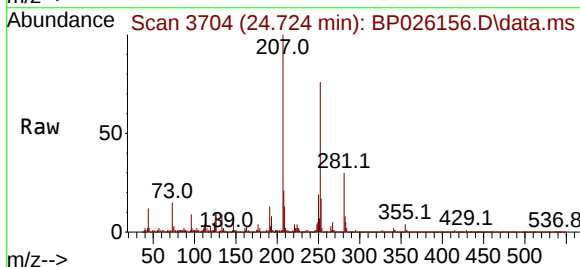
Tgt Ion:252 Resp: 210654

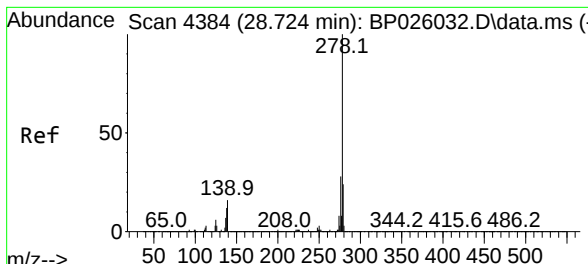
Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.2

125 12.8 9.0 13.6

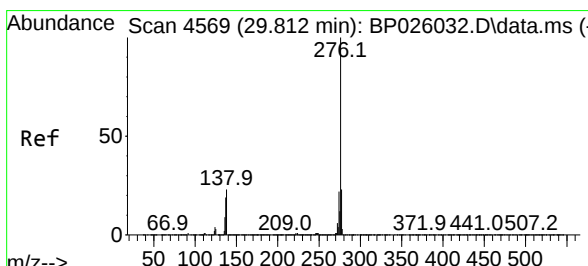
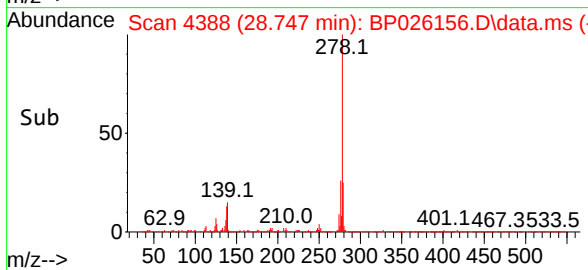
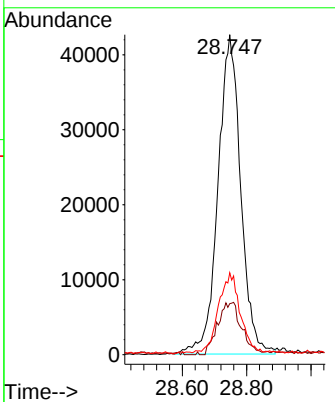
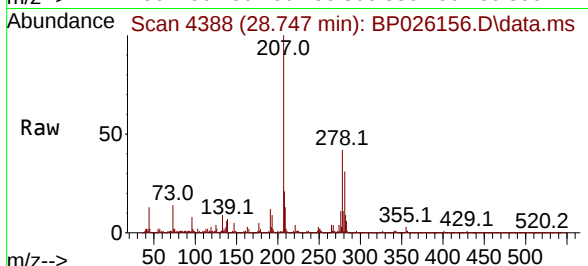




#91
 Dibenzo(a,h)anthracene
 Concen: 2.020 ng
 RT: 28.747 min Scan# 41
 Delta R.T. -0.047 min
 Lab File: BP026156.D
 Acq: 19 Nov 2025 12:16

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

Tgt Ion:	278	Resp:	209176
Ion	Ratio	Lower	Upper
278	100		
139	16.0	13.2	19.8
279	25.6	19.2	28.8



#92
 Benzo(g,h,i)perylene
 Concen: 2.029 ng
 RT: 29.818 min Scan# 4570
 Delta R.T. -0.065 min
 Lab File: BP026156.D
 Acq: 19 Nov 2025 12:16

Tgt Ion:	276	Resp:	208878
Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.8	28.2
138	22.8	17.8	26.6

