

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111925\
 Data File : BP026160.D
 Acq On : 19 Nov 2025 16:11
 Operator : RC/JU
 Sample : Q3530-02
 Misc : LOQ-SOIL-2.5ng
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT4-2025

Quant Time: Nov 19 16:35:46 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	7.666	152	251618	20.000	ng	0.00
21) Naphthalene-d8	10.437	136	999923	20.000	ng	-0.01
39) Acenaphthene-d10	14.307	164	643248	20.000	ng	-0.02
64) Phenanthrene-d10	17.119	188	1353294	20.000	ng	-0.01
76) Chrysene-d12	21.572	240	1535477	20.000	ng	0.00
86) Perylene-d12	24.889	264	1684562	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.284	112	1819582	116.072	ng	0.00
7) Phenol-d6	6.843	99	2285712	114.531	ng	-0.01
23) Nitrobenzene-d5	8.808	82	1290565	73.313	ng	0.00
42) 2,4,6-Tribromophenol	15.831	330	997899	119.588	ng	0.00
45) 2-Fluorobiphenyl	12.913	172	3253317	74.124	ng	-0.02
79) Terphenyl-d14	19.860	244	5351923	71.071	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.220	88	14978	2.356	ng	96
3) Pyridine	3.620	79	36929	2.010	ng	95
4) n-Nitrosodimethylamine	3.525	42	15535	2.262	ng	# 79
6) Aniline	7.002	93	56720	2.153	ng	97
8) 2-Chlorophenol	7.237	128	38651	2.166	ng	96
9) Benzaldehyde	6.814	77	33984	3.249	ng	96
10) Phenol	6.872	94	46676	2.171	ng	88
11) bis(2-Chloroethyl)ether	7.096	93	35903	2.133	ng	99
12) 1,3-Dichlorobenzene	7.561	146	44777	2.329	ng	98
13) 1,4-Dichlorobenzene	7.702	146	44640	2.304	ng	99
14) 1,2-Dichlorobenzene	8.013	146	42444	2.282	ng	90
16) 2,2'-oxybis(1-Chloropr...	8.190	45	51752	2.189	ng	96
18) Hexachloroethane	8.737	117	15712	2.229	ng	91
19) n-Nitroso-di-n-propyla...	8.466	70	25382	2.047	ng	98
22) Acetophenone	8.478	105	57166	2.249	ng	96
24) Nitrobenzene	8.849	77	38704	2.174	ng	94
25) Isophorone	9.372	82	70892	2.031	ng	95
28) bis(2-Chloroethoxy)met...	9.855	93	45756	2.093	ng	99
30) 1,2,4-Trichlorobenzene	10.302	180	39725	2.402	ng	94
31) Naphthalene	10.490	128	120305	2.226	ng	98
34) Hexachlorobutadiene	10.784	225	23687	2.202	ng	97
38) 1-Methylnaphthalene	12.319	142	77712	2.075	ng	95
40) 1,2,4,5-Tetrachloroben...	12.478	216	44802	2.303	ng	99
46) 1,1'-Biphenyl	13.125	154	113199	2.337	ng	98
47) 2-Chloronaphthalene	13.166	162	82926	2.177	ng	98
49) Acenaphthylene	14.025	152	128670	2.048	ng	99
50) Dimethylphthalate	13.766	163	105751	2.201	ng	99
52) Acenaphthene	14.372	154	81963	2.226	ng	100
55) Dibenzofuran	14.713	168	131714	2.310	ng	99
58) Fluorene	15.378	166	104614	2.321	ng	96
60) Diethylphthalate	15.160	149	105135	2.172	ng	98
61) 4-Chlorophenyl-phenyle...	15.378	204	52272	2.331	ng	97
63) Azobenzene	15.678	77	82372	2.019	ng	98
66) n-Nitrosodiphenylamine	15.595	169	87866	2.099	ng	96
67) 4-Bromophenyl-phenylether	16.295	248	31391	2.094	ng	95
68) Hexachlorobenzene	16.407	284	38688	2.225	ng	96

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Misc : LOQ-SOIL-2.5ng
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 01:25:31 2025
Response via : Initial Calibration

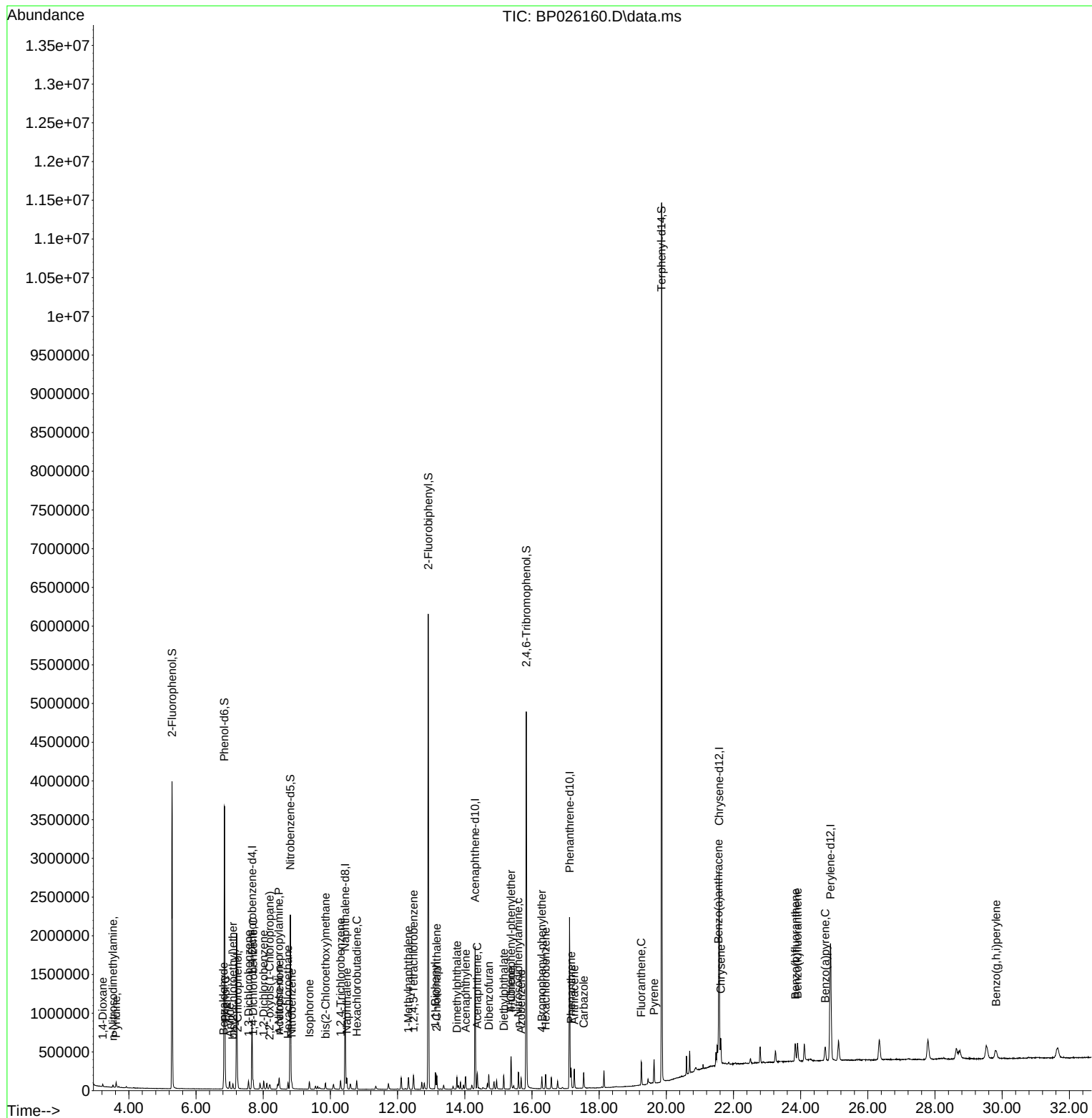
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Phenanthrene	17.166	178	174228	2.285	ng	99
72) Anthracene	17.260	178	161842	2.081	ng	99
73) Carbazole	17.542	167	153870	2.084	ng	99
75) Fluoranthene	19.254	202	200665	2.166	ng	100
78) Pyrene	19.636	202	215028	2.136	ng	99
81) Benzo(a)anthracene	21.554	228	232388	2.204	ng	99
83) Chrysene	21.619	228	226705	2.281	ng	98
88) Benzo(b)fluoranthene	23.842	252	217348	2.119	ng	97
89) Benzo(k)fluoranthene	23.907	252	230658	2.251	ng	98
90) Benzo(a)pyrene	24.730	252	209905	2.160	ng	98
92) Benzo(g,h,i)perylene	29.818	276	218565	2.126	ng	97

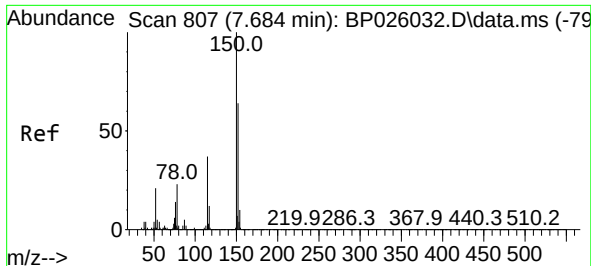
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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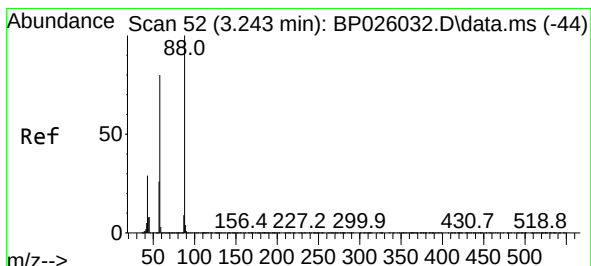
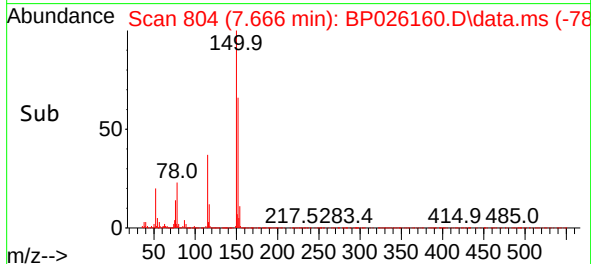
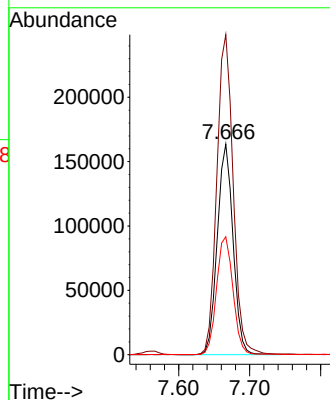
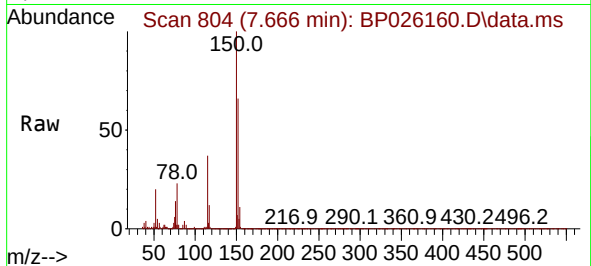




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.666 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: BP026160.D
 Acq: 19 Nov 2025 16:11

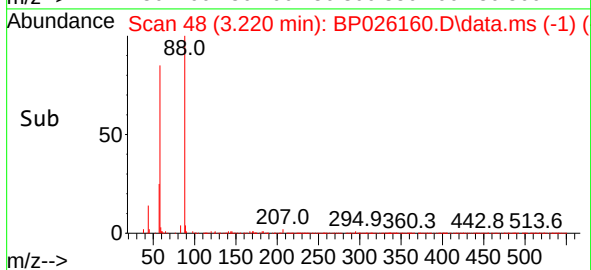
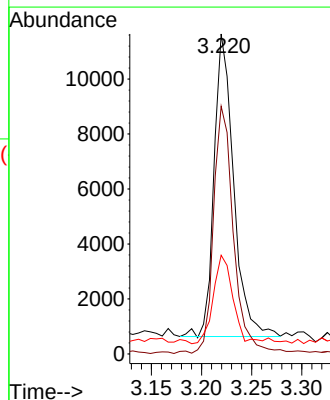
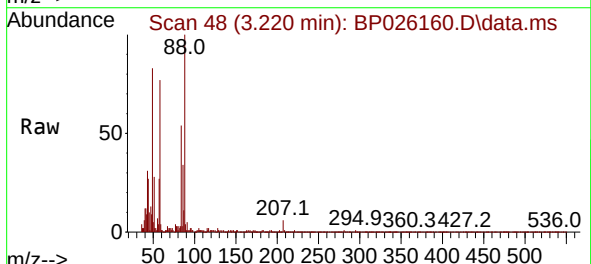
Instrument :
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 ClientSampleId :
 LOQ-SOIL-02-QT4-2025

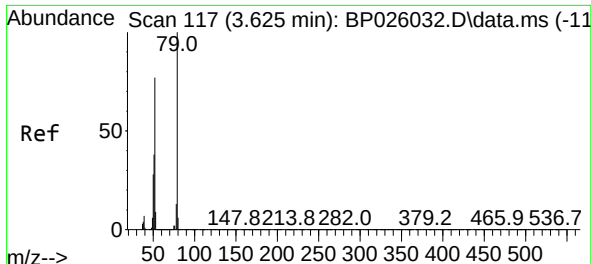
Tgt Ion:152 Resp: 251618
 Ion Ratio Lower Upper
 152 100
 150 151.9 123.0 184.6
 115 56.0 46.3 69.5



#2
 1,4-Dioxane
 Concen: 2.356 ng
 RT: 3.220 min Scan# 48
 Delta R.T. -0.006 min
 Lab File: BP026160.D
 Acq: 19 Nov 2025 16:11

Tgt Ion: 88 Resp: 14978
 Ion Ratio Lower Upper
 88 100
 58 83.5 64.2 96.4
 43 28.9 21.5 32.3

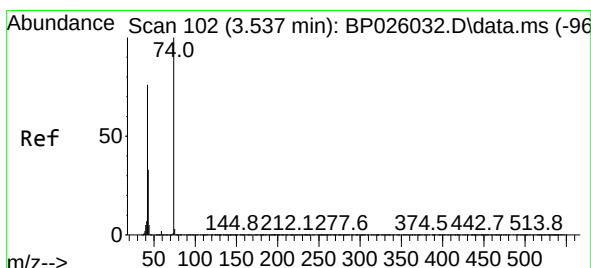
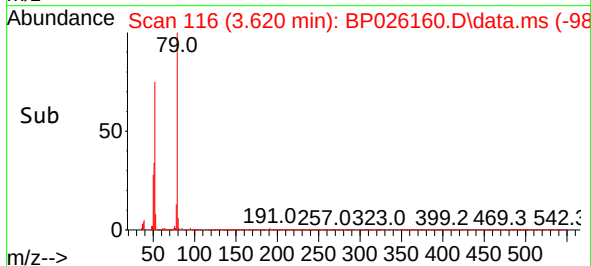
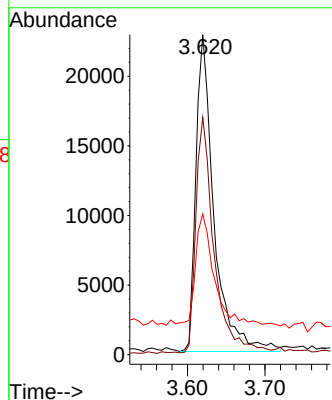
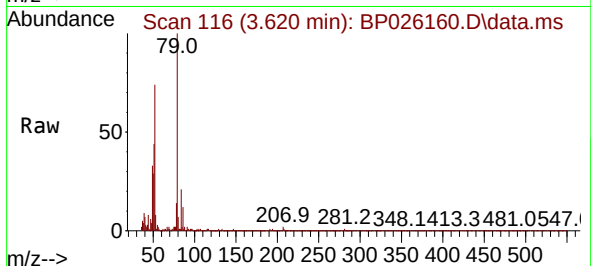




#3
Pyridine
Concen: 2.010 ng
RT: 3.620 min Scan# 117
Delta R.T. 0.006 min
Lab File: BP026160.D
Acq: 19 Nov 2025 16:11

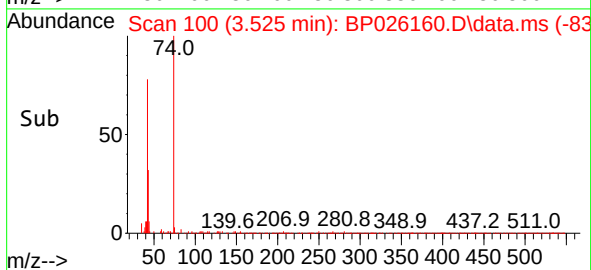
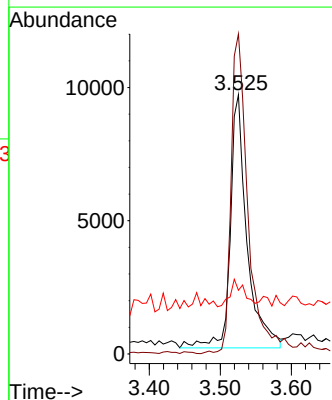
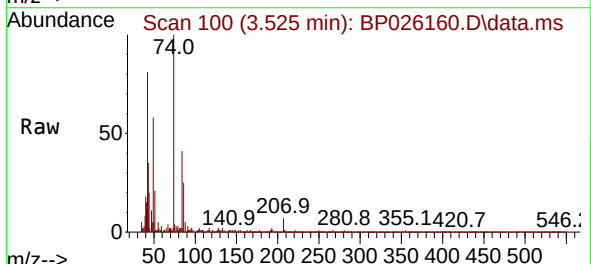
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2025

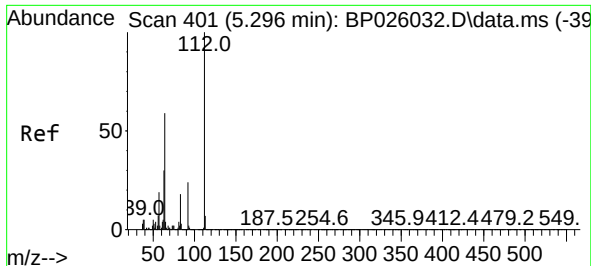
Tgt Ion: 79 Resp: 36929
Ion Ratio Lower Upper
79 100
52 74.1 60.2 90.2
51 44.0 29.5 44.3



#4
n-Nitrosodimethylamine
Concen: 2.262 ng
RT: 3.525 min Scan# 100
Delta R.T. 0.000 min
Lab File: BP026160.D
Acq: 19 Nov 2025 16:11

Tgt Ion: 42 Resp: 15535
Ion Ratio Lower Upper
42 100
74 123.4 118.1 177.1
44 24.6 6.2 9.4

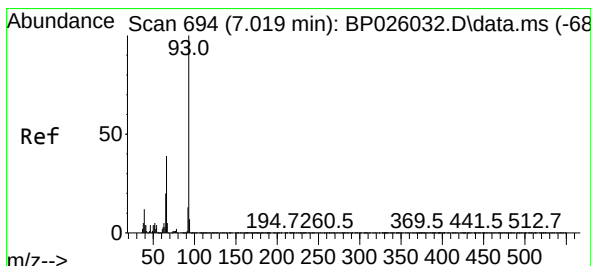
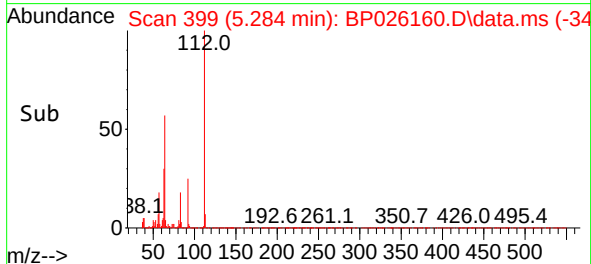
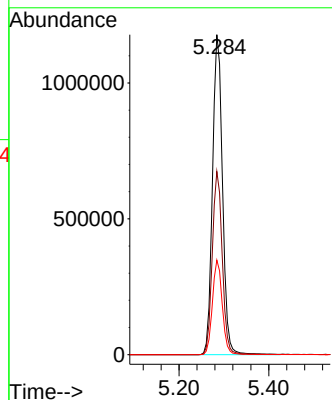
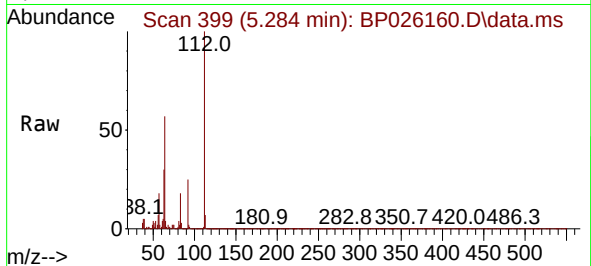




#5
2-Fluorophenol
Concen: 116.072 ng
RT: 5.284 min Scan# 399
Delta R.T. -0.006 min
Lab File: BP026160.D
Acq: 19 Nov 2025 16:11

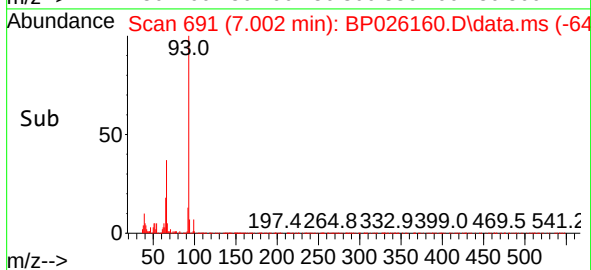
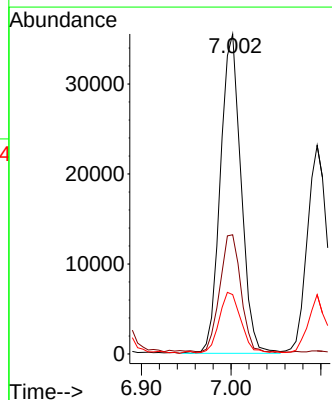
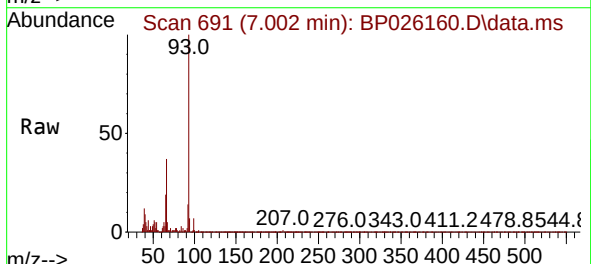
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2025

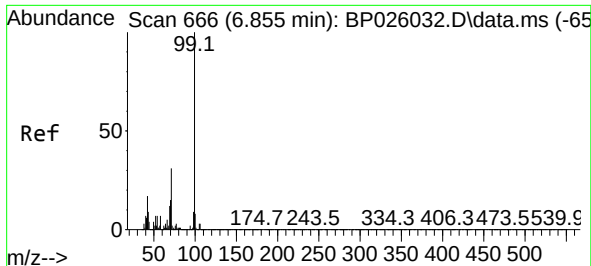
Tgt Ion:112 Resp: 1819582
Ion Ratio Lower Upper
112 100
64 57.3 45.8 68.6
63 29.5 23.5 35.3



#6
Aniline
Concen: 2.153 ng
RT: 7.002 min Scan# 691
Delta R.T. 0.000 min
Lab File: BP026160.D
Acq: 19 Nov 2025 16:11

Tgt Ion: 93 Resp: 56720
Ion Ratio Lower Upper
93 100
66 37.2 31.7 47.5
65 18.6 15.8 23.6

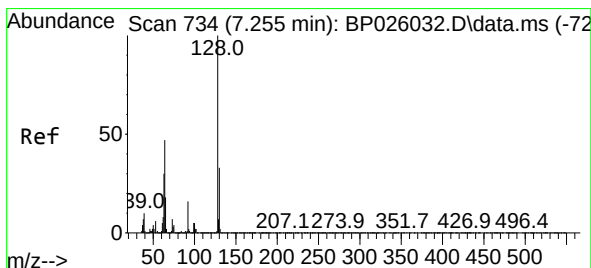
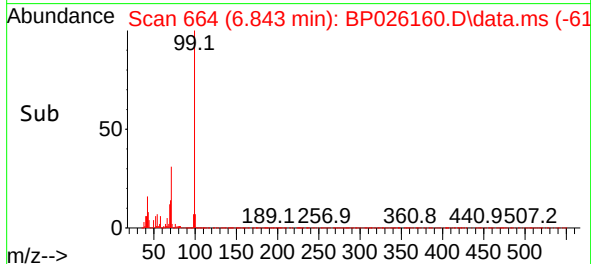
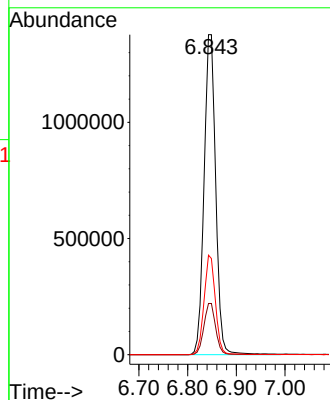
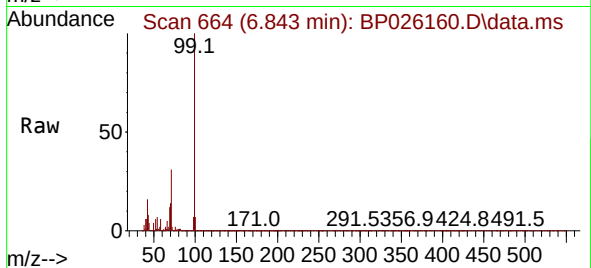




#7
Phenol-d6
Concen: 114.531 ng
RT: 6.843 min Scan# 611
Delta R.T. -0.012 min
Lab File: BP026160.D
Acq: 19 Nov 2025 16:11

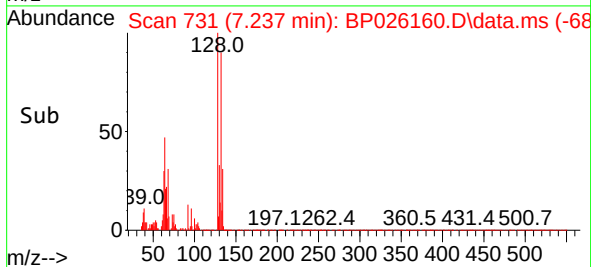
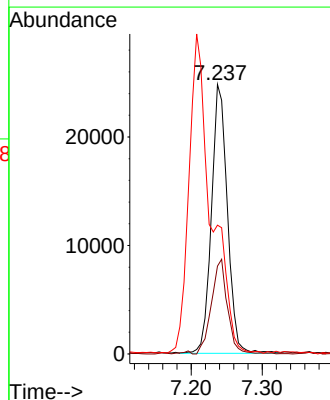
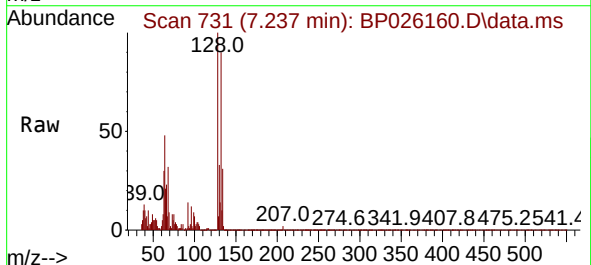
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ClientSampleId :
LOQ-SOIL-02-QT4-2025

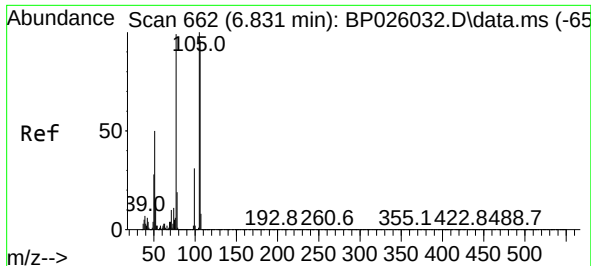
Tgt Ion: 99 Resp: 2285712
Ion Ratio Lower Upper
99 100
42 16.0 12.9 19.3
71 31.1 24.8 37.2



#8
2-Chlorophenol
Concen: 2.166 ng
RT: 7.237 min Scan# 731
Delta R.T. -0.006 min
Lab File: BP026160.D
Acq: 19 Nov 2025 16:11

Tgt Ion:128 Resp: 38651
Ion Ratio Lower Upper
128 100
130 32.6 12.4 52.4
64 47.8 23.9 63.9

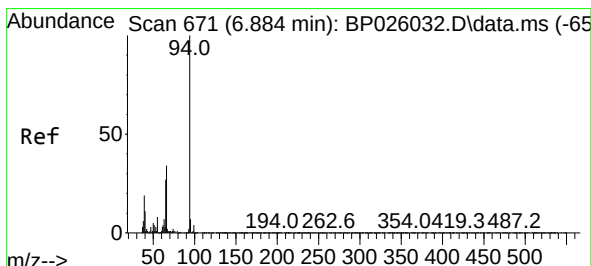
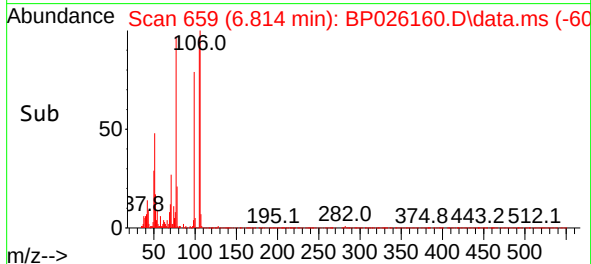
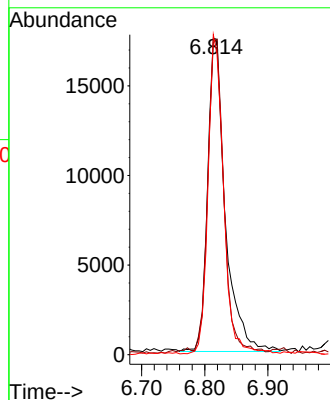
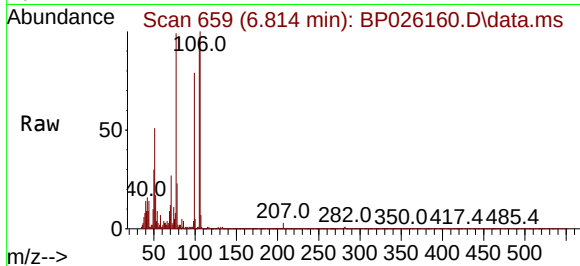




#9
Benzaldehyde
Concen: 3.249 ng
RT: 6.814 min Scan# 610
Delta R.T. -0.006 min
Lab File: BP026160.D
Acq: 19 Nov 2025 16:11

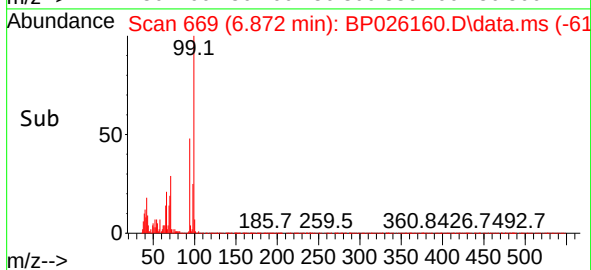
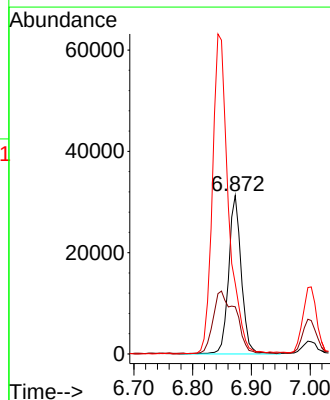
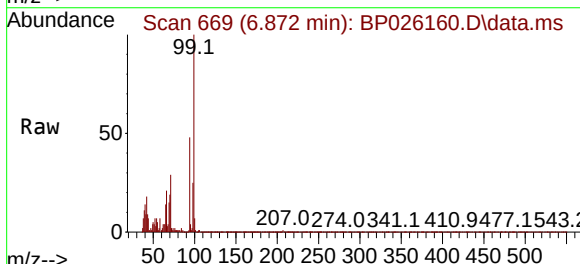
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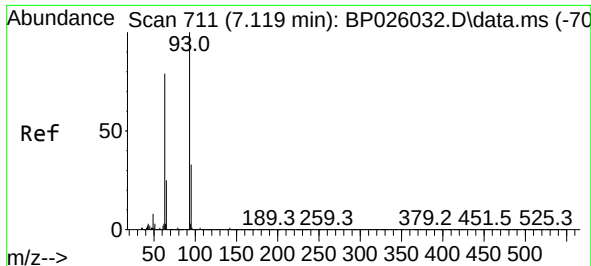
Tgt Ion: 77 Resp: 33984
Ion Ratio Lower Upper
77 100
105 98.6 82.9 122.9
106 101.1 77.8 117.8



#10
Phenol
Concen: 2.171 ng
RT: 6.872 min Scan# 669
Delta R.T. -0.006 min
Lab File: BP026160.D
Acq: 19 Nov 2025 16:11

Tgt Ion: 94 Resp: 46676
Ion Ratio Lower Upper
94 100
65 29.8 7.0 47.0
66 44.5 14.5 54.5

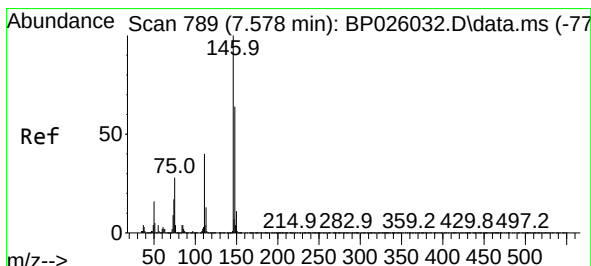
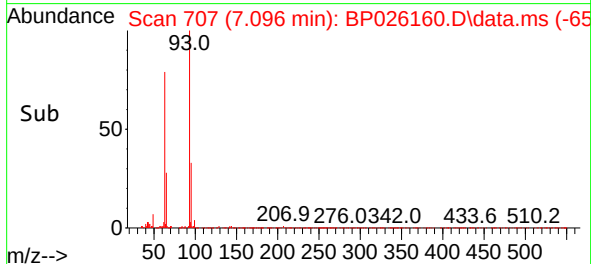
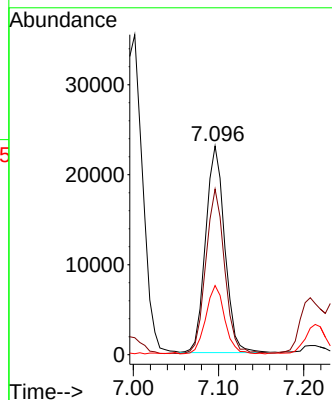
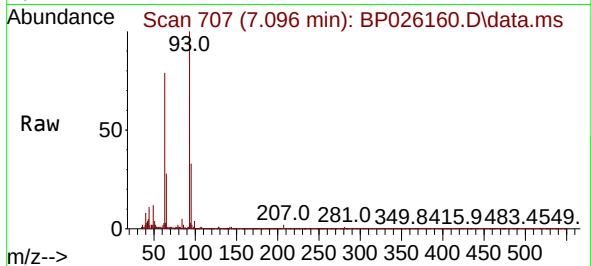




#11
bis(2-Chloroethyl)ether
Concen: 2.133 ng
RT: 7.096 min Scan# 707
Delta R.T. 0.000 min
Lab File: BP026160.D
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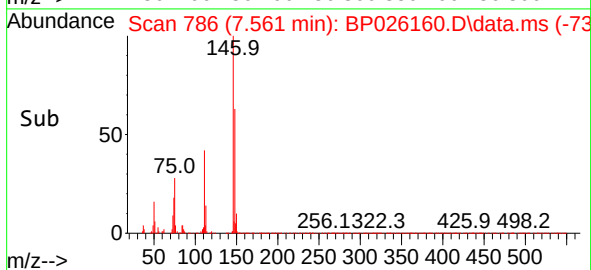
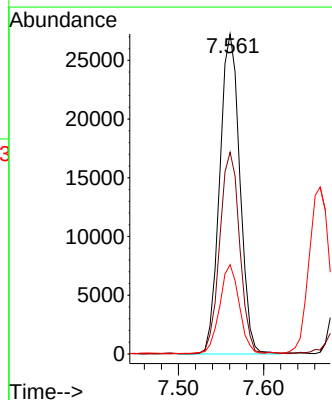
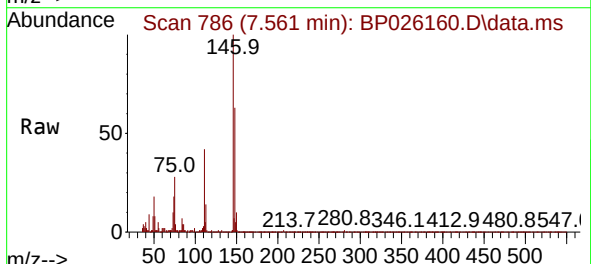
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2025

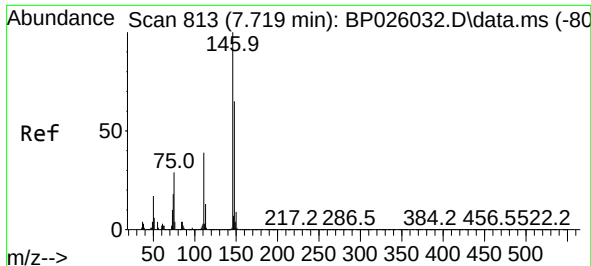
Tgt Ion: 93 Resp: 35903
Ion Ratio Lower Upper
93 100
63 79.3 58.8 98.8
95 33.1 12.1 52.1



#12
1,3-Dichlorobenzene
Concen: 2.329 ng
RT: 7.561 min Scan# 786
Delta R.T. -0.006 min
Lab File: BP026160.D
Acq: 19 Nov 2025 16:11

Tgt Ion:146 Resp: 44777
Ion Ratio Lower Upper
146 100
148 63.0 51.8 77.8
75 27.9 22.2 33.2

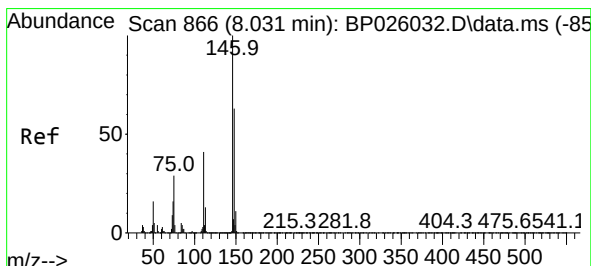
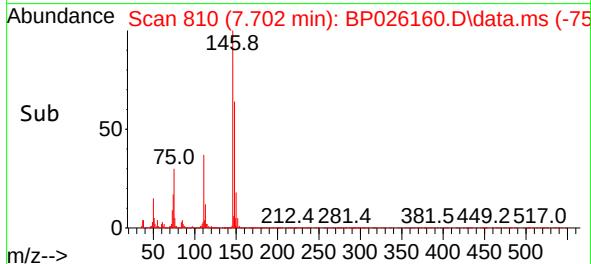
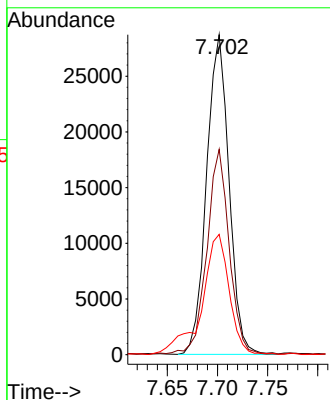
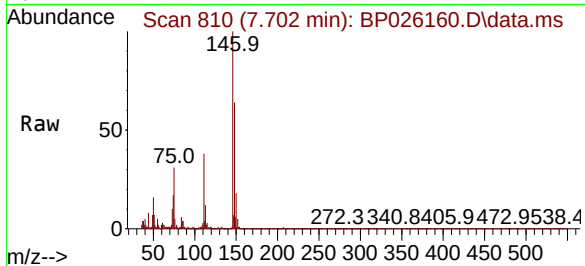




#13
1,4-Dichlorobenzene
Concen: 2.304 ng
RT: 7.702 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP026160.D
Acq: 19 Nov 2025 16:11

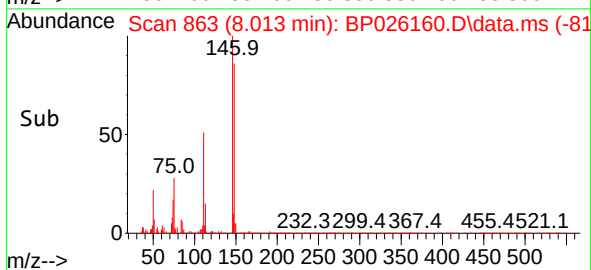
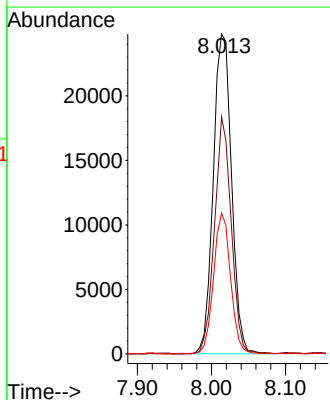
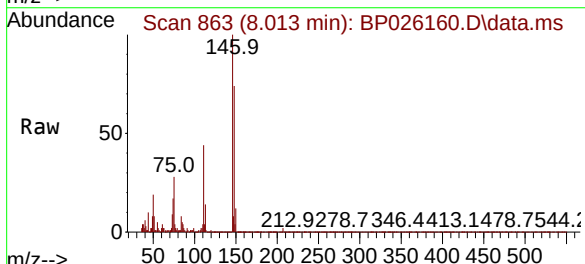
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2025

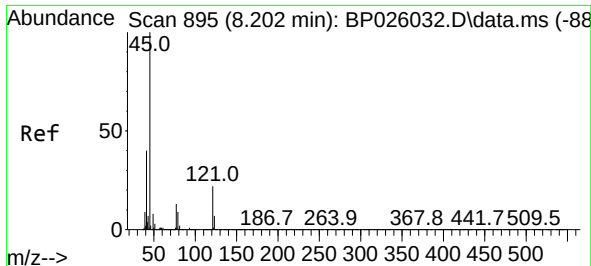
Tgt Ion:146 Resp: 44640
Ion Ratio Lower Upper
146 100
148 64.1 51.4 77.2
111 37.6 31.7 47.5



#14
1,2-Dichlorobenzene
Concen: 2.282 ng
RT: 8.013 min Scan# 863
Delta R.T. 0.000 min
Lab File: BP026160.D
Acq: 19 Nov 2025 16:11

Tgt Ion:146 Resp: 42444
Ion Ratio Lower Upper
146 100
148 74.1 51.0 76.6
111 44.0 33.0 49.4

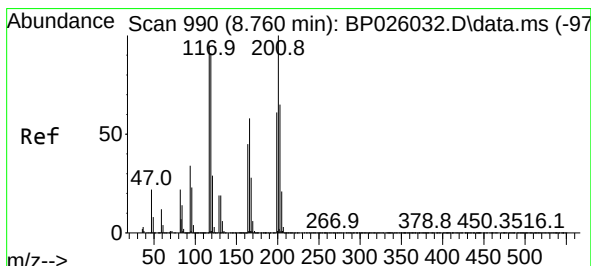
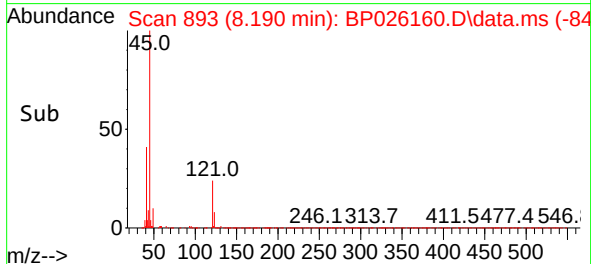
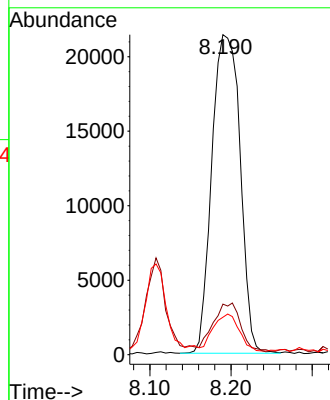
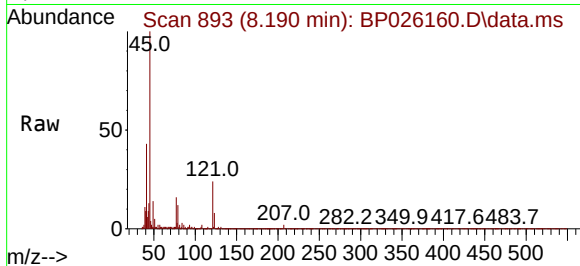




#16
2,2'-oxybis(1-Chloropropane)
Concen: 2.189 ng
RT: 8.190 min Scan# 895
Delta R.T. -0.006 min
Lab File: BP026160.D
Acq: 19 Nov 2025 16:11

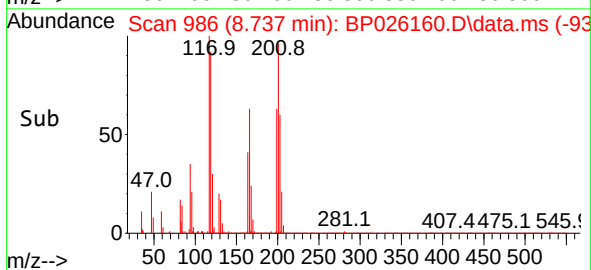
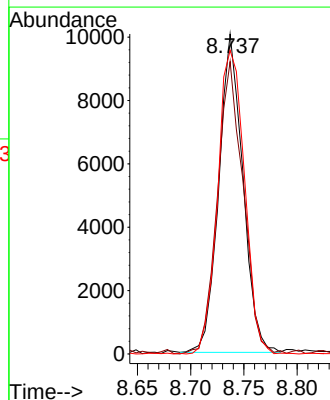
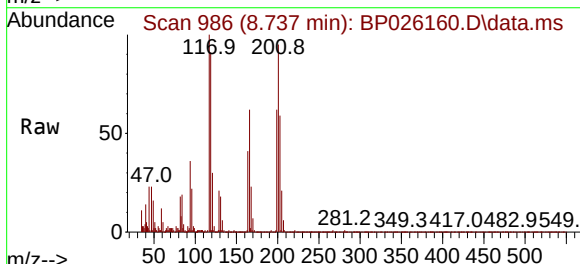
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2025

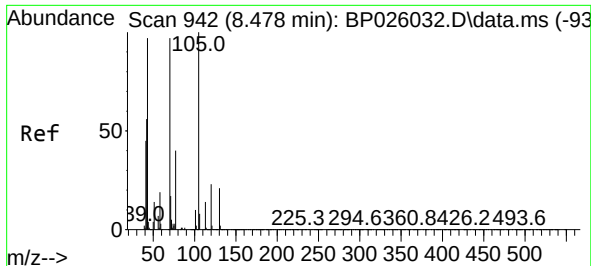
Tgt Ion: 45 Resp: 51752
Ion Ratio Lower Upper
45 100
77 15.8 0.0 33.9
79 11.7 0.0 30.4



#18
Hexachloroethane
Concen: 2.229 ng
RT: 8.737 min Scan# 986
Delta R.T. -0.006 min
Lab File: BP026160.D
Acq: 19 Nov 2025 16:11

Tgt Ion: 117 Resp: 15712
Ion Ratio Lower Upper
117 100
119 91.4 78.7 118.1
201 94.9 85.1 127.7

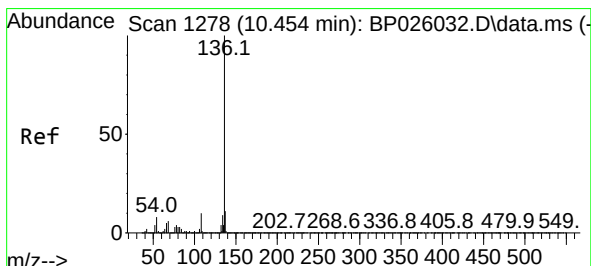
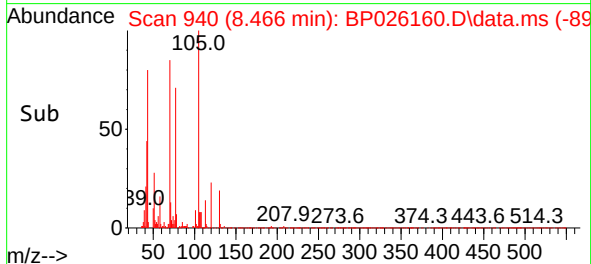
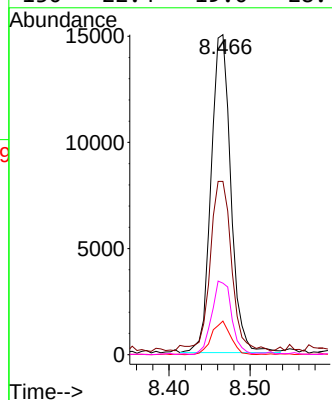
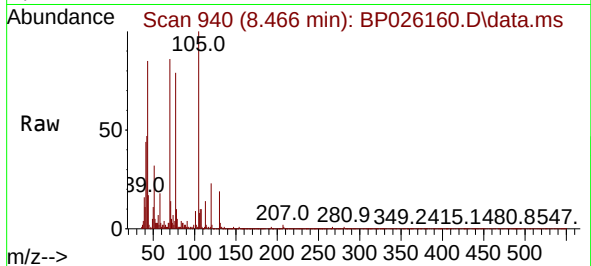




#19
n-Nitroso-di-n-propylamine
Concen: 2.047 ng
RT: 8.466 min Scan# 94
Delta R.T. -0.006 min
Lab File: BP026160.D
Acq: 19 Nov 2025 16:11

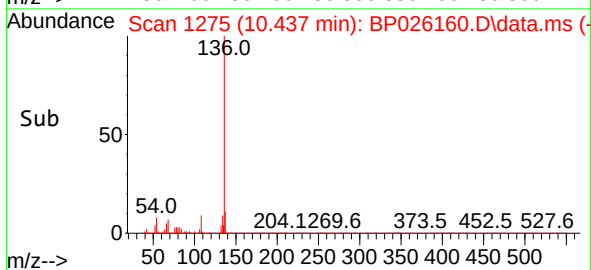
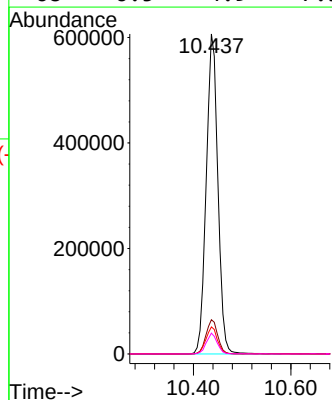
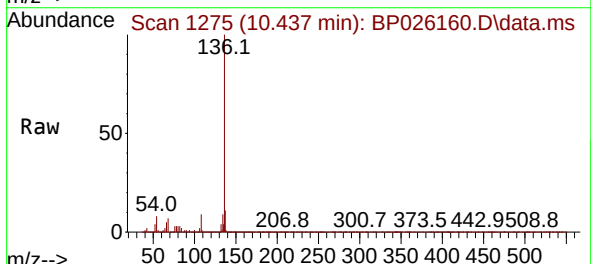
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2025

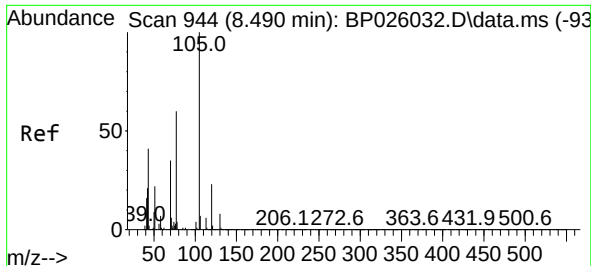
Tgt Ion: 70	Resp: 25382
Ion Ratio	Lower Upper
70 100	
42 54.2	44.1 66.1
101 10.5	8.2 12.4
130 22.4	19.0 28.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.437 min Scan# 1275
Delta R.T. -0.012 min
Lab File: BP026160.D
Acq: 19 Nov 2025 16:11

Tgt Ion: 136	Resp: 999923
Ion Ratio	Lower Upper
136 100	
137 10.7	8.7 13.1
54 8.5	6.4 9.6
68 6.5	4.9 7.3

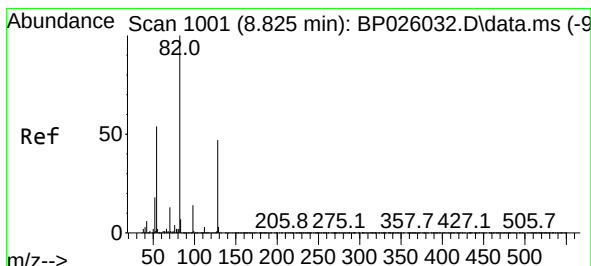
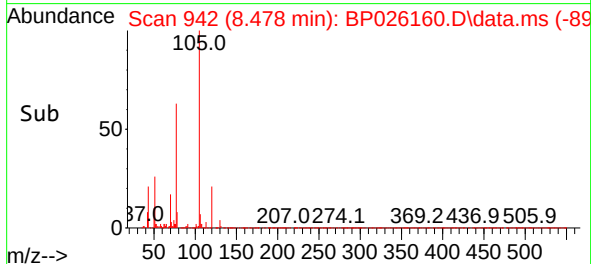
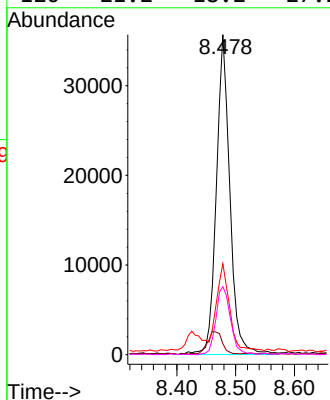
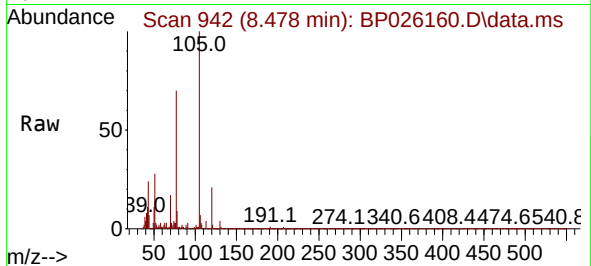




#22
Acetophenone
Concen: 2.249 ng
RT: 8.478 min Scan# 944
Delta R.T. -0.006 min
Lab File: BP026160.D
Acq: 19 Nov 2025 16:11

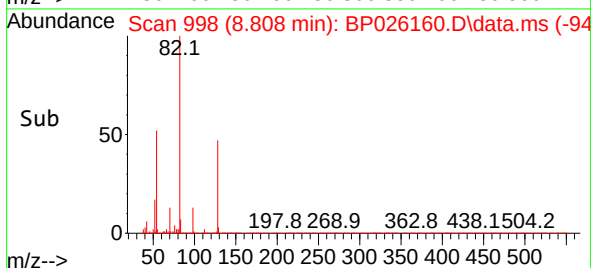
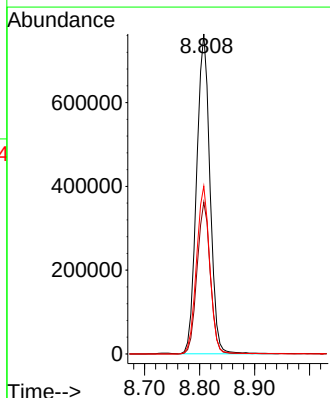
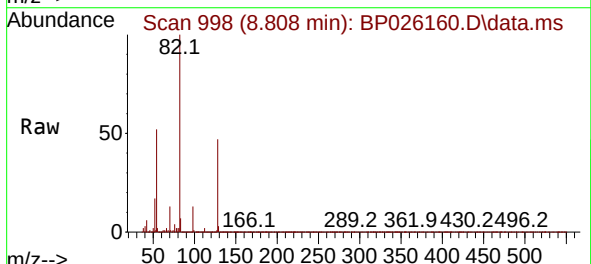
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2025

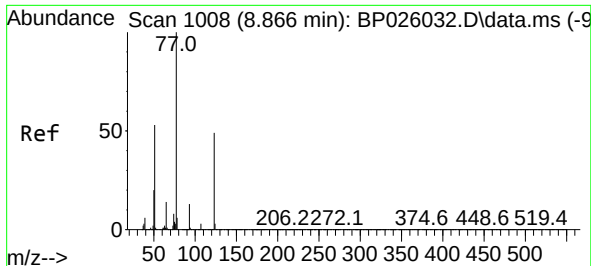
Tgt Ion:	105	Resp:	57166
Ion	Ratio	Lower	Upper
105	100		
71	3.4	3.0	4.4
51	28.5	20.5	30.7
120	21.2	18.2	27.2



#23
Nitrobenzene-d5
Concen: 73.313 ng
RT: 8.808 min Scan# 998
Delta R.T. -0.006 min
Lab File: BP026160.D
Acq: 19 Nov 2025 16:11

Tgt Ion:	82	Resp:	1290565
Ion	Ratio	Lower	Upper
82	100		
128	47.4	37.4	56.0
54	52.4	41.6	62.4

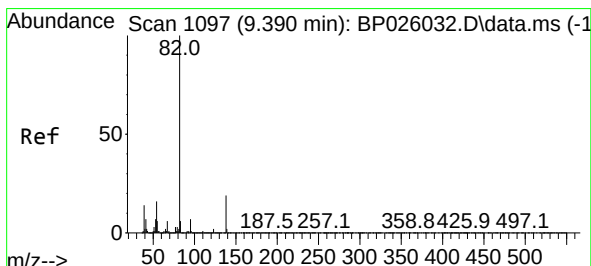
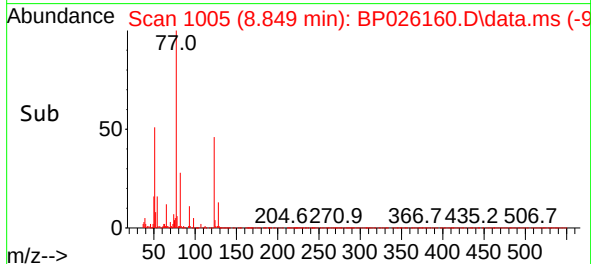
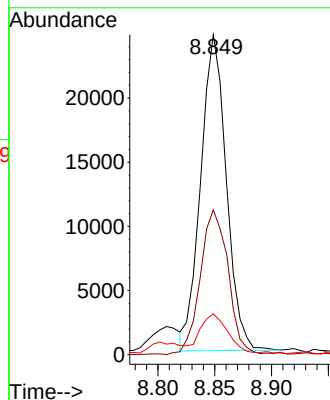
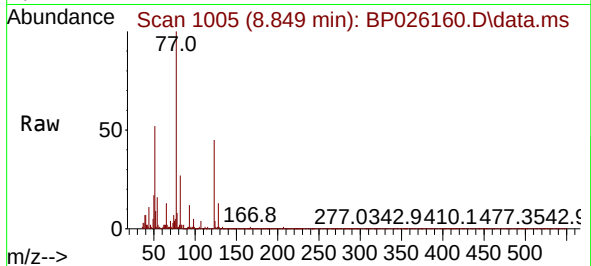




#24
Nitrobenzene
Concen: 2.174 ng
RT: 8.849 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BP026160.D
Acq: 19 Nov 2025 16:11

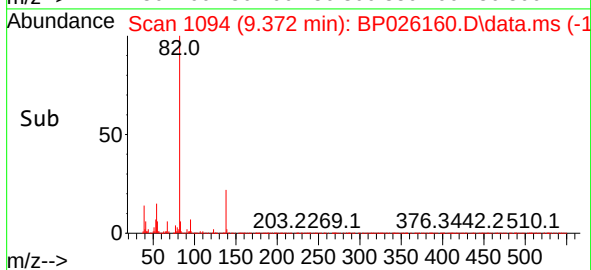
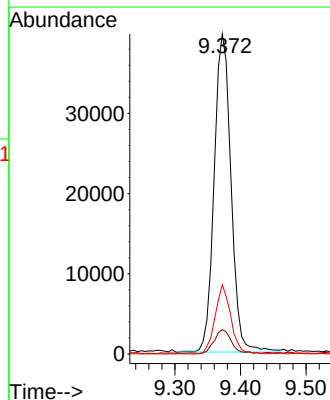
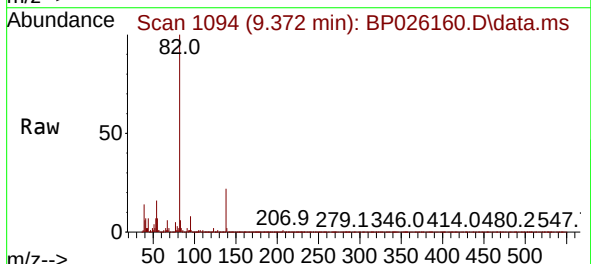
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2025

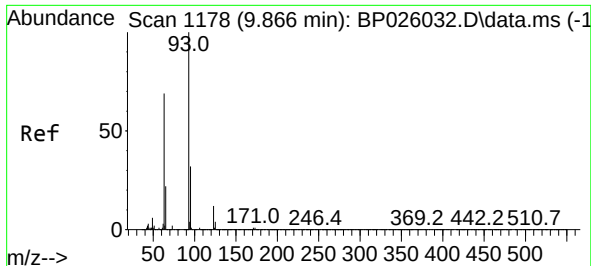
Tgt Ion: 77 Resp: 38704
Ion Ratio Lower Upper
77 100
123 45.3 39.8 59.8
65 12.8 11.2 16.8



#25
Isophorone
Concen: 2.031 ng
RT: 9.372 min Scan# 1094
Delta R.T. -0.012 min
Lab File: BP026160.D
Acq: 19 Nov 2025 16:11

Tgt Ion: 82 Resp: 70892
Ion Ratio Lower Upper
82 100
95 7.6 5.4 8.0
138 21.6 15.4 23.0

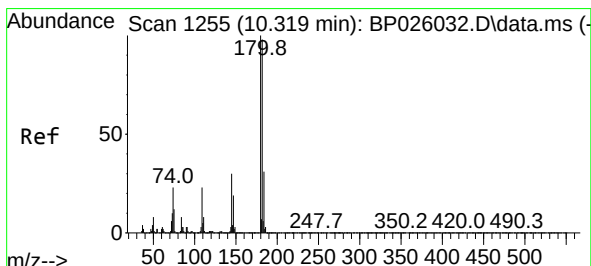
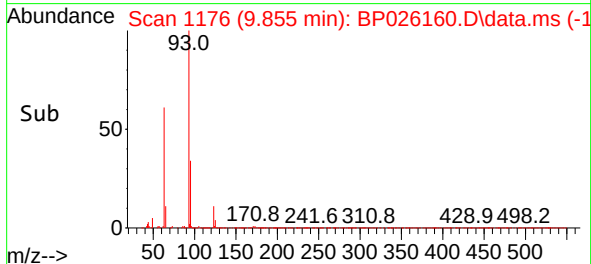
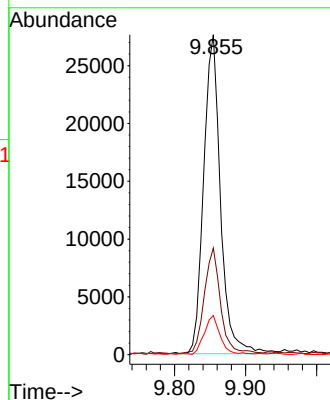
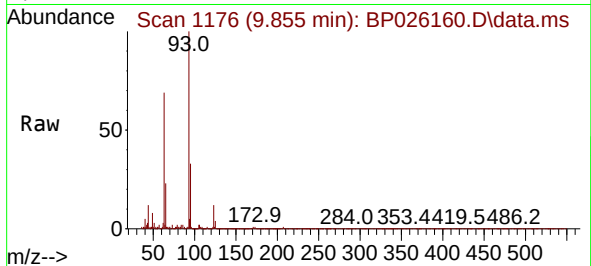




#28
bis(2-Chloroethoxy)methane
Concen: 2.093 ng
RT: 9.855 min Scan# 1178
Delta R.T. -0.006 min
Lab File: BP026160.D
Acq: 19 Nov 2025 16:11

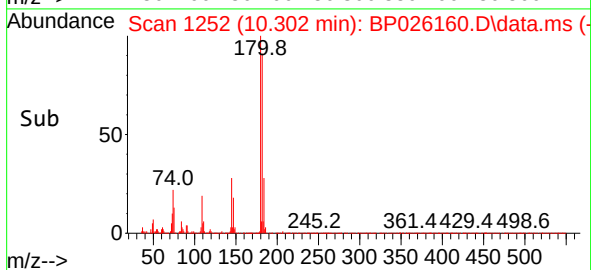
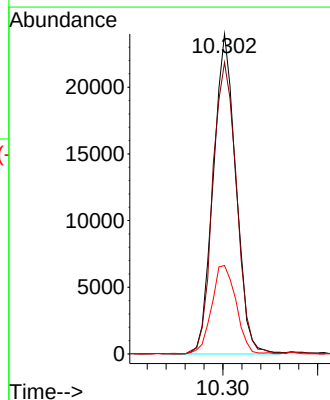
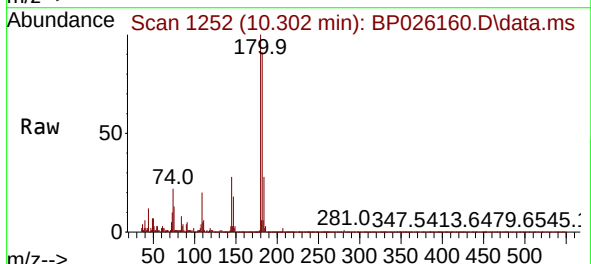
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2025

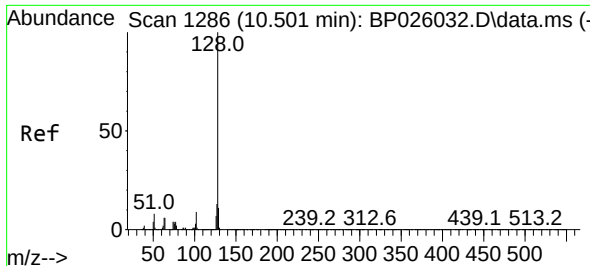
Tgt Ion: 93 Resp: 45756
Ion Ratio Lower Upper
93 100
95 33.3 26.4 39.6
123 12.2 9.4 14.0



#30
1,2,4-Trichlorobenzene
Concen: 2.402 ng
RT: 10.302 min Scan# 1252
Delta R.T. -0.006 min
Lab File: BP026160.D
Acq: 19 Nov 2025 16:11

Tgt Ion: 180 Resp: 39725
Ion Ratio Lower Upper
180 100
182 91.1 78.1 117.1
145 27.7 24.2 36.4

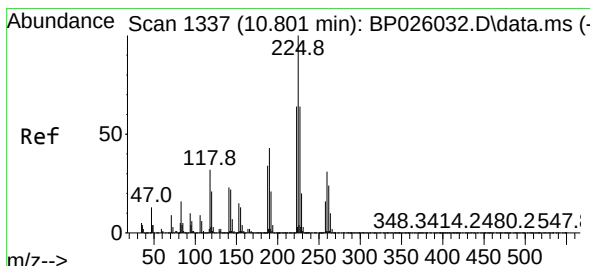
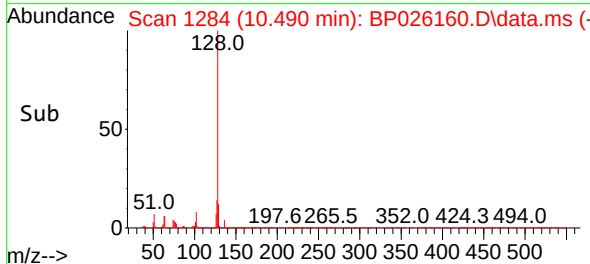
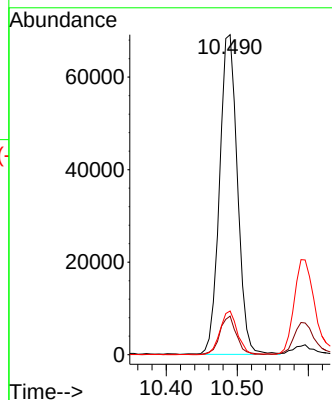
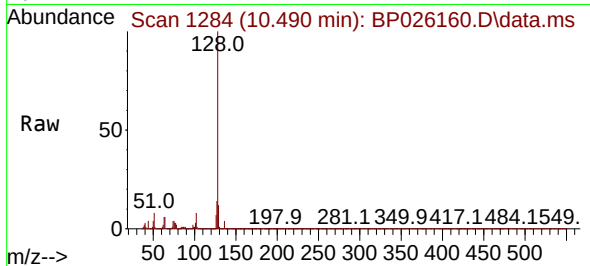




#31
Naphthalene
Concen: 2.226 ng
RT: 10.490 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BP026160.D
Acq: 19 Nov 2025 16:11

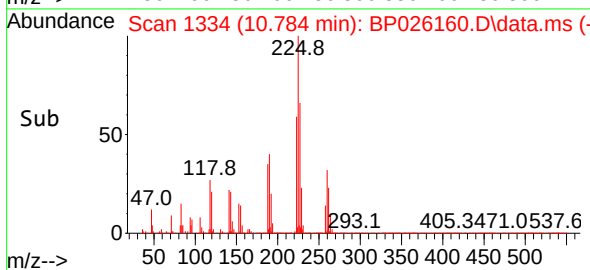
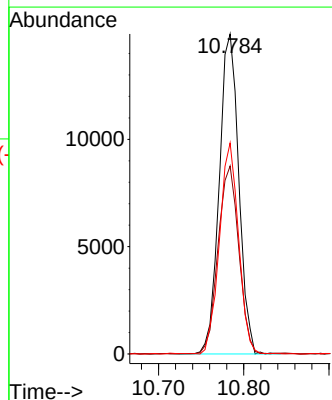
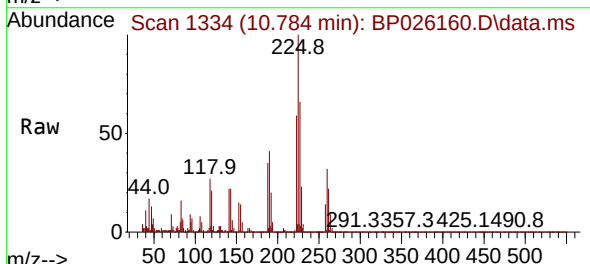
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2025

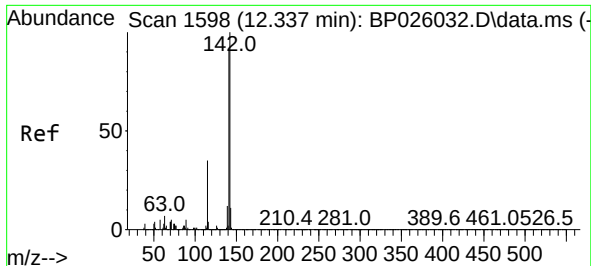
Tgt Ion:128 Resp: 120305
Ion Ratio Lower Upper
128 100
129 12.0 9.0 13.6
127 13.7 10.2 15.4



#34
Hexachlorobutadiene
Concen: 2.202 ng
RT: 10.784 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BP026160.D
Acq: 19 Nov 2025 16:11

Tgt Ion:225 Resp: 23687
Ion Ratio Lower Upper
225 100
223 58.7 49.6 74.4
227 66.0 51.2 76.8

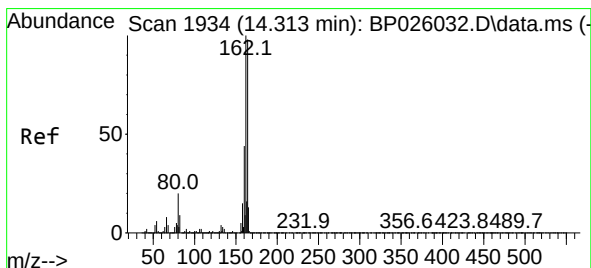
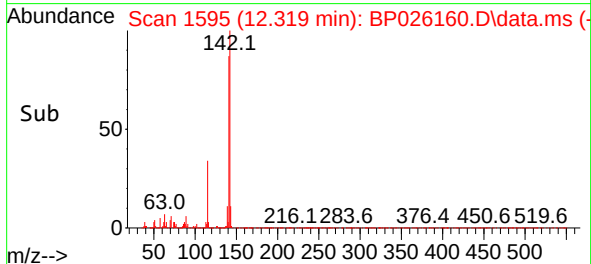
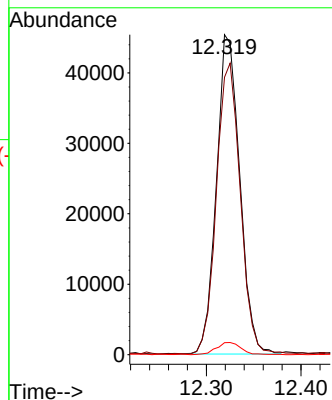
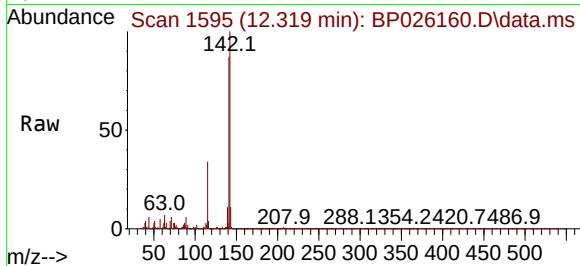




#38
1-Methylnaphthalene
Concen: 2.075 ng
RT: 12.319 min Scan# 1598
Delta R.T. -0.012 min
Lab File: BP026160.D
Acq: 19 Nov 2025 16:11

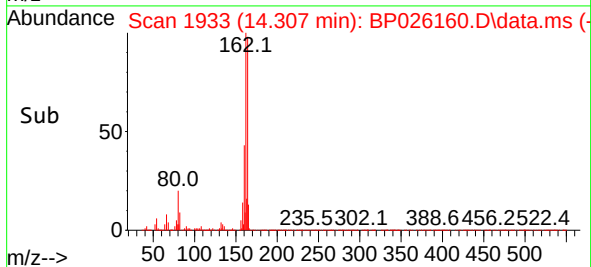
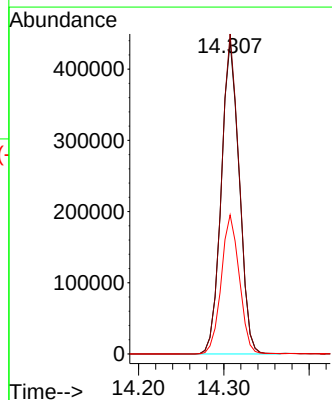
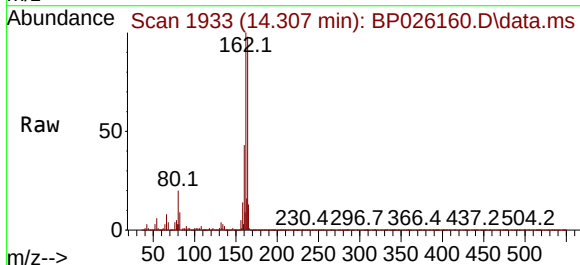
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2025

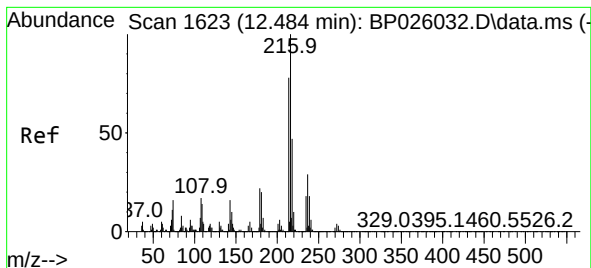
Tgt Ion:142 Resp: 77712
Ion Ratio Lower Upper
142 100
141 86.7 73.5 110.3
116 3.7 3.0 4.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.307 min Scan# 1933
Delta R.T. -0.017 min
Lab File: BP026160.D
Acq: 19 Nov 2025 16:11

Tgt Ion:164 Resp: 643248
Ion Ratio Lower Upper
164 100
162 102.3 80.3 120.5
160 44.4 35.2 52.8





#40

1,2,4,5-Tetrachlorobenzene

Concen: 2.303 ng

RT: 12.478 min Scan# 1

Delta R.T. -0.012 min

Lab File: BP026160.D

Acq: 19 Nov 2025 16:11

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2025

Tgt Ion:216 Resp: 44802

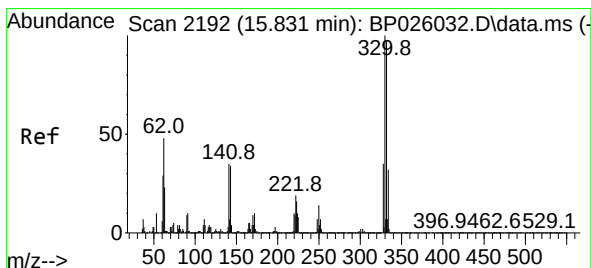
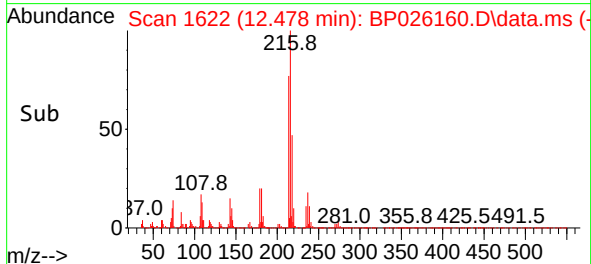
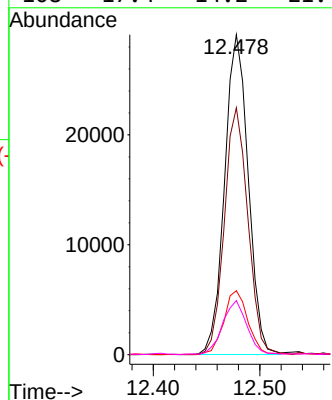
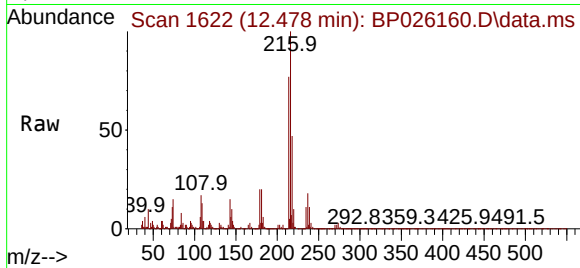
Ion Ratio Lower Upper

216 100

214 76.9 62.6 94.0

179 20.4 16.6 25.0

108 17.4 14.2 21.4



#42

2,4,6-Tribromophenol

Concen: 119.588 ng

RT: 15.831 min Scan# 2192

Delta R.T. -0.006 min

Lab File: BP026160.D

Acq: 19 Nov 2025 16:11

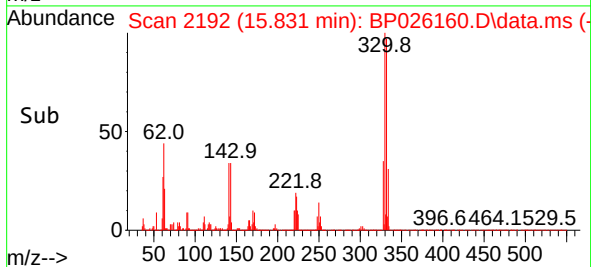
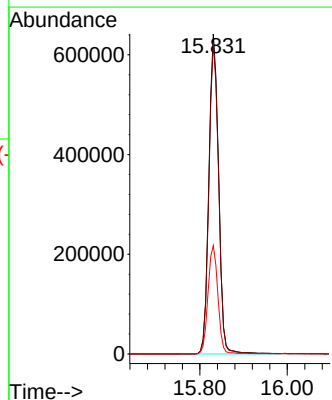
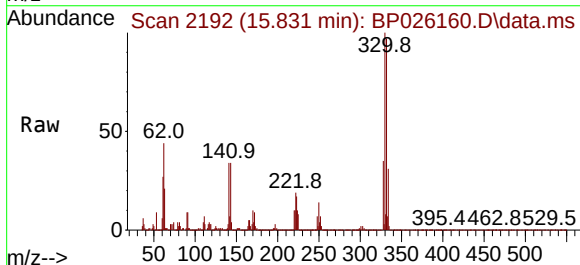
Tgt Ion:330 Resp: 997899

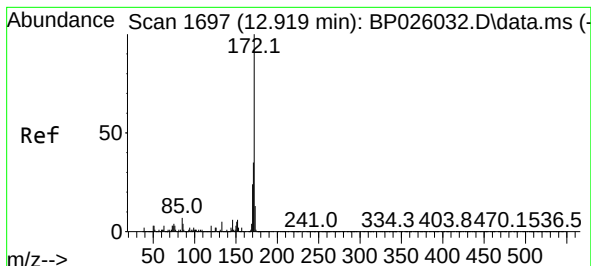
Ion Ratio Lower Upper

330 100

332 97.3 78.0 117.0

141 34.4 26.8 40.2





#45

2-Fluorobiphenyl

Concen: 74.124 ng

RT: 12.913 min Scan# 1

Delta R.T. -0.017 min

Lab File: BP026160.D

Acq: 19 Nov 2025 16:11

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2025

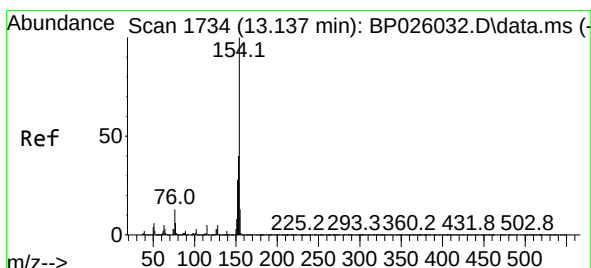
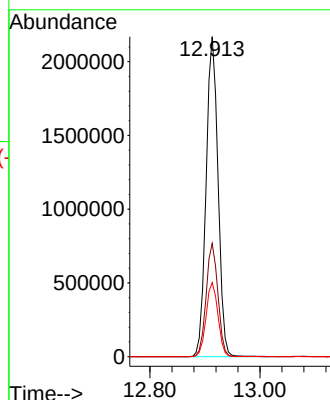
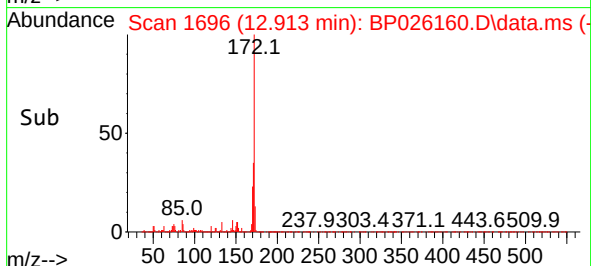
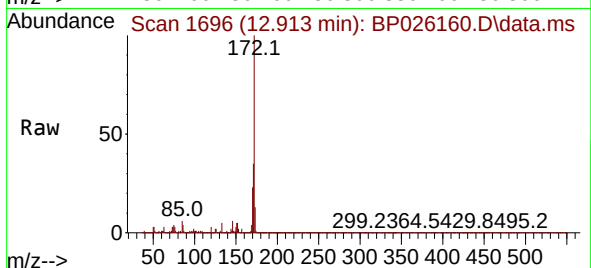
Tgt Ion:172 Resp: 3253317

Ion Ratio Lower Upper

172 100

171 35.4 28.2 42.4

170 23.2 18.7 28.1



#46

1,1'-Biphenyl

Concen: 2.337 ng

RT: 13.125 min Scan# 1732

Delta R.T. -0.012 min

Lab File: BP026160.D

Acq: 19 Nov 2025 16:11

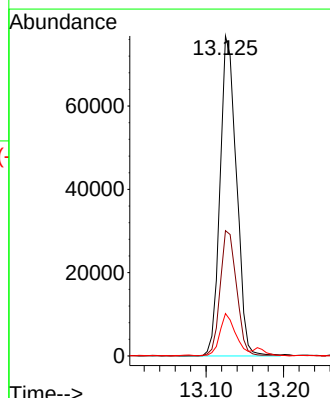
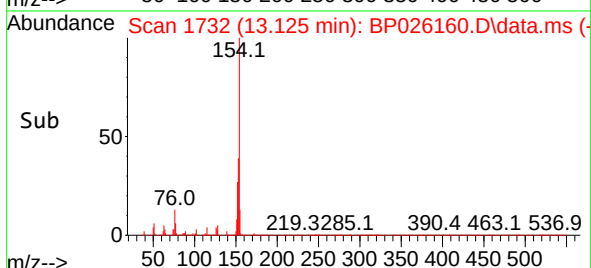
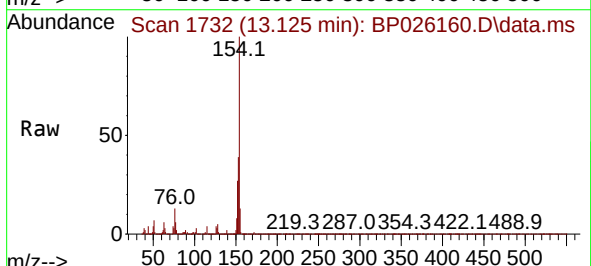
Tgt Ion:154 Resp: 113199

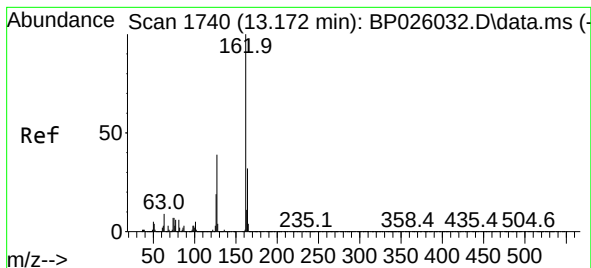
Ion Ratio Lower Upper

154 100

153 39.2 20.3 60.3

76 13.3 0.0 32.3





#47

2-Chloronaphthalene

Concen: 2.177 ng

RT: 13.166 min Scan# 11

Delta R.T. -0.017 min

Lab File: BP026160.D

Acq: 19 Nov 2025 16:11

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2025

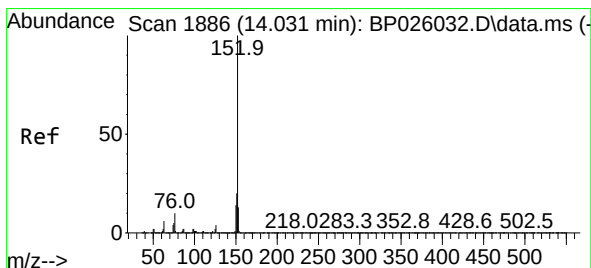
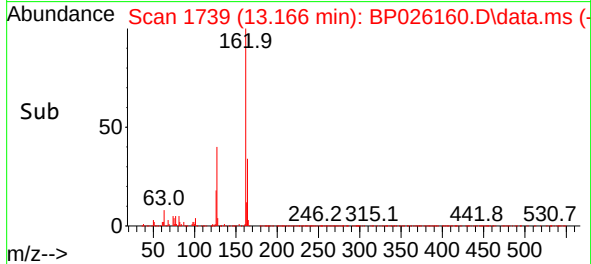
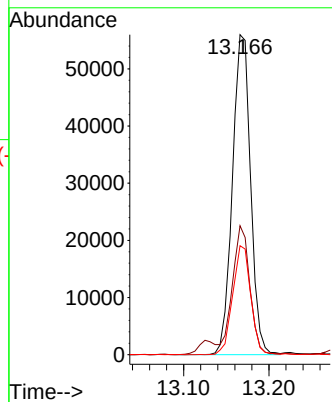
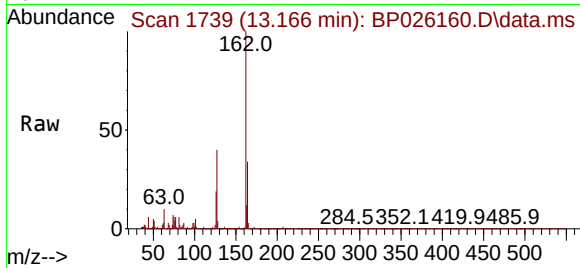
Tgt Ion:162 Resp: 82926

Ion Ratio Lower Upper

162 100

127 40.3 30.9 46.3

164 34.1 26.4 39.6



#49

Acenaphthylene

Concen: 2.048 ng

RT: 14.025 min Scan# 1885

Delta R.T. -0.012 min

Lab File: BP026160.D

Acq: 19 Nov 2025 16:11

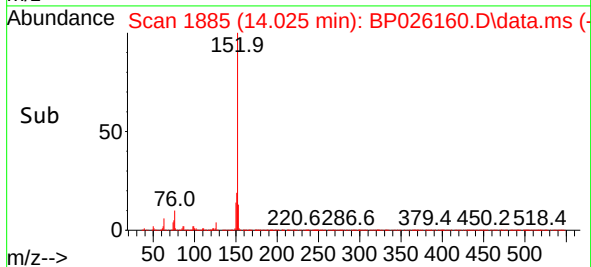
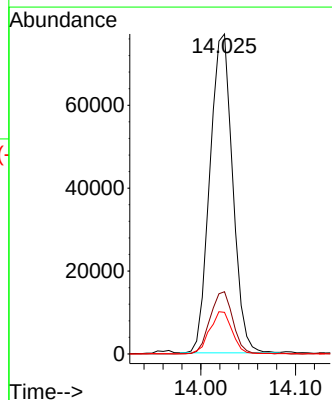
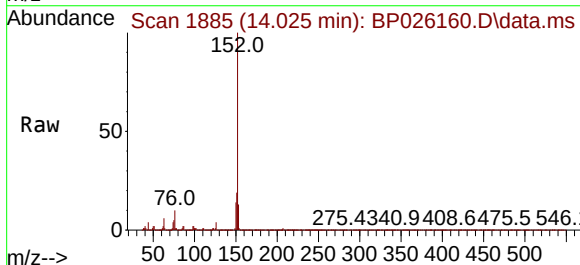
Tgt Ion:152 Resp: 128670

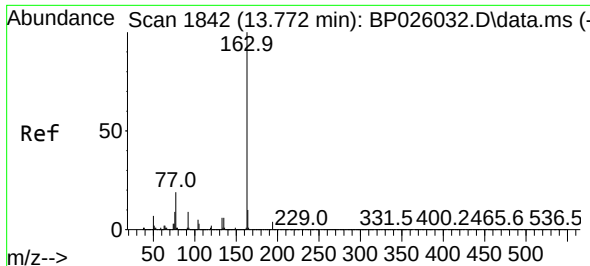
Ion Ratio Lower Upper

152 100

151 19.4 15.8 23.8

153 13.0 10.6 16.0

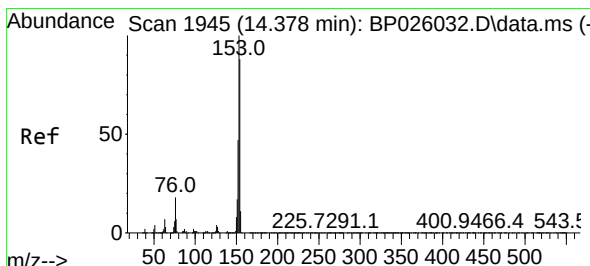
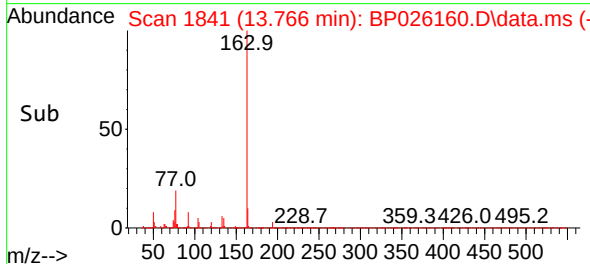
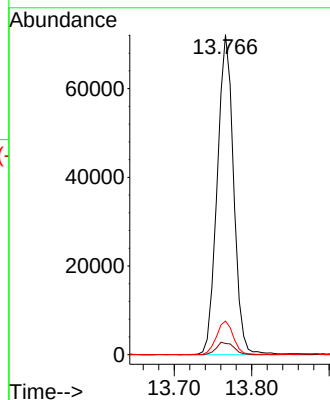
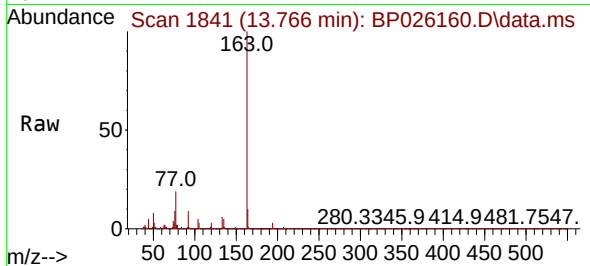




#50
Dimethylphthalate
Concen: 2.201 ng
RT: 13.766 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BP026160.D
Acq: 19 Nov 2025 16:11

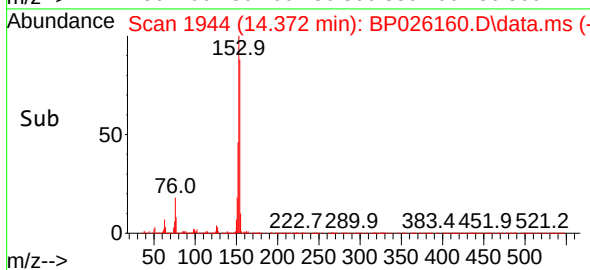
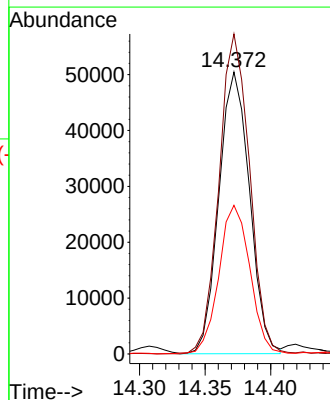
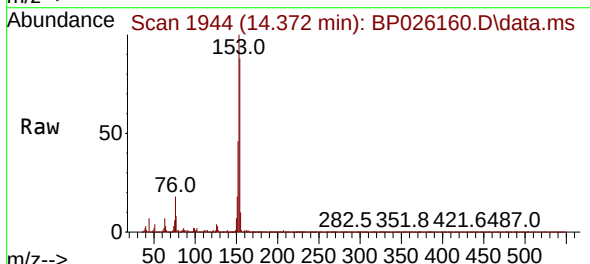
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2025

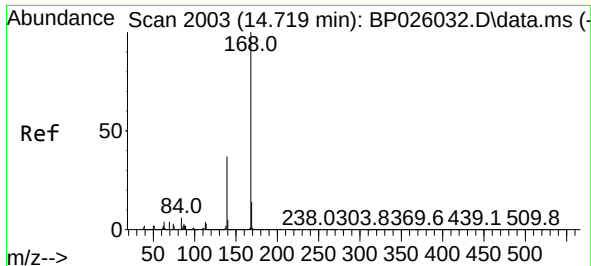
Tgt Ion:163 Resp: 105751
Ion Ratio Lower Upper
163 100
194 3.5 3.3 4.9
164 10.5 8.2 12.2



#52
Acenaphthene
Concen: 2.226 ng
RT: 14.372 min Scan# 1944
Delta R.T. -0.012 min
Lab File: BP026160.D
Acq: 19 Nov 2025 16:11

Tgt Ion:154 Resp: 81963
Ion Ratio Lower Upper
154 100
153 113.5 90.7 136.1
152 52.7 42.8 64.2

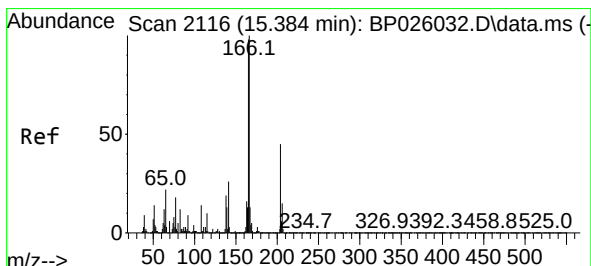
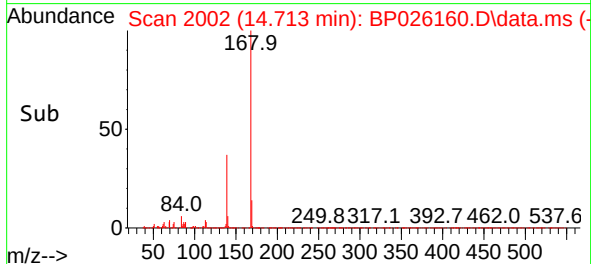
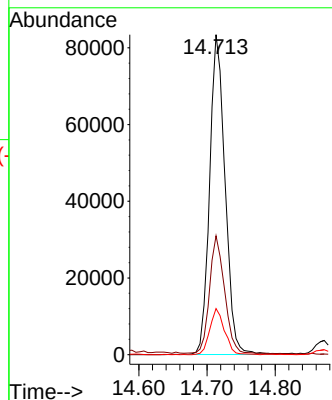
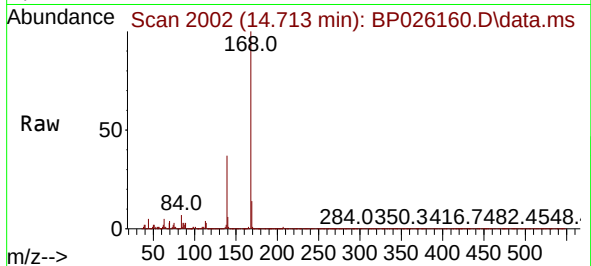




#55
Dibenzenofuran
Concen: 2.310 ng
RT: 14.713 min Scan# 20
Delta R.T. -0.012 min
Lab File: BP026160.D
Acq: 19 Nov 2025 16:11

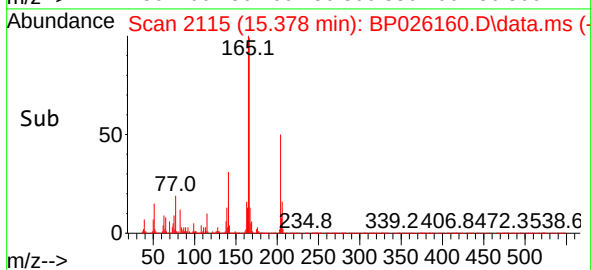
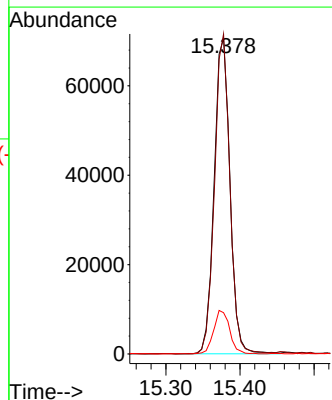
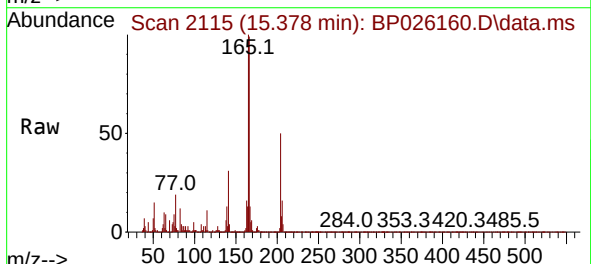
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2025

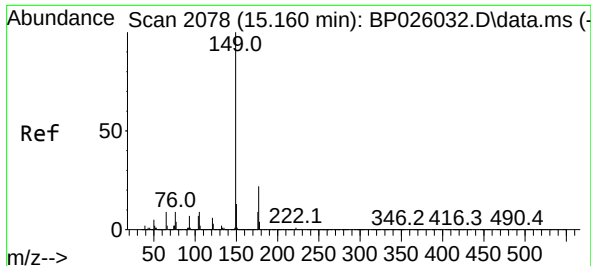
Tgt Ion:168 Resp: 131714
Ion Ratio Lower Upper
168 100
139 37.1 29.8 44.6
169 14.4 10.9 16.3



#58
Fluorene
Concen: 2.321 ng
RT: 15.378 min Scan# 2115
Delta R.T. -0.012 min
Lab File: BP026160.D
Acq: 19 Nov 2025 16:11

Tgt Ion:166 Resp: 104614
Ion Ratio Lower Upper
166 100
165 101.4 77.9 116.9
167 13.1 11.0 16.4

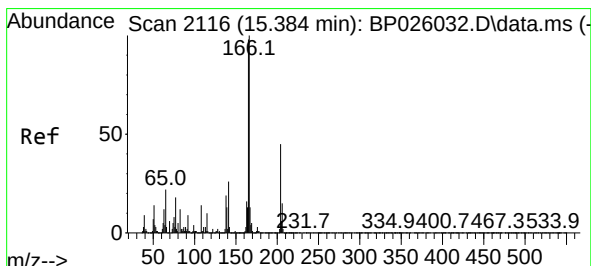
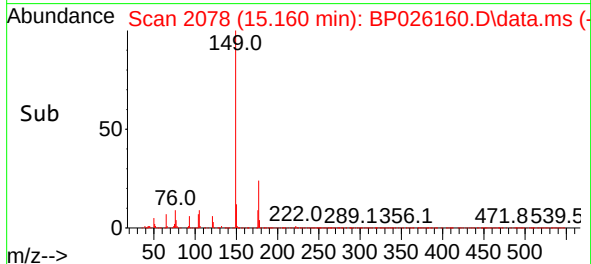
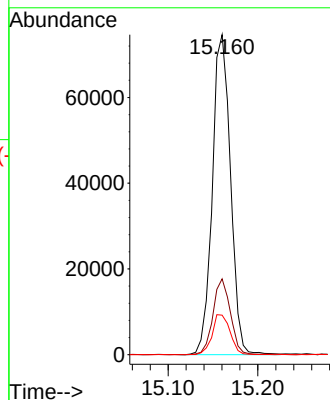
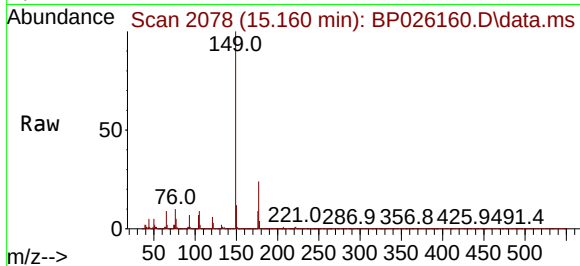




#60
Diethylphthalate
Concen: 2.172 ng
RT: 15.160 min Scan# 2078
Delta R.T. -0.012 min
Lab File: BP026160.D
Acq: 19 Nov 2025 16:11

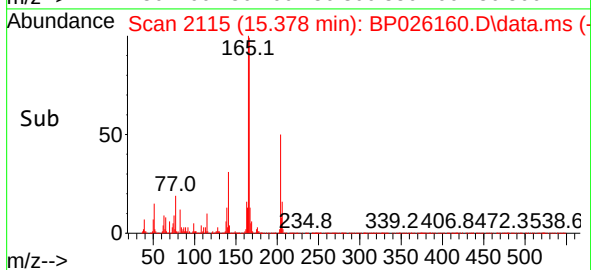
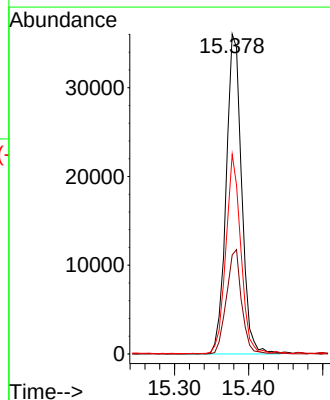
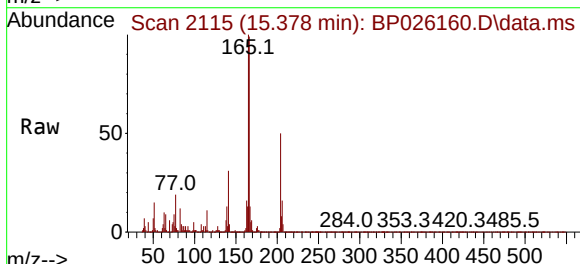
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2025

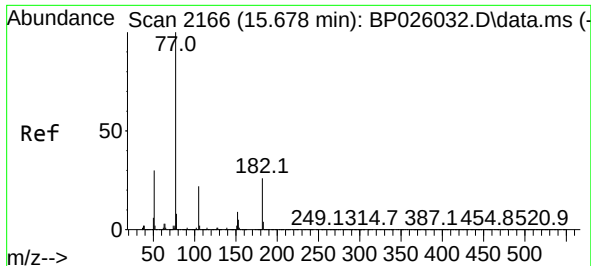
Tgt Ion:149 Resp: 105135
Ion Ratio Lower Upper
149 100
177 23.7 17.9 26.9
150 12.4 9.9 14.9



#61
4-Chlorophenyl-phenylether
Concen: 2.331 ng
RT: 15.378 min Scan# 2115
Delta R.T. -0.012 min
Lab File: BP026160.D
Acq: 19 Nov 2025 16:11

Tgt Ion:204 Resp: 52272
Ion Ratio Lower Upper
204 100
206 31.0 26.2 39.2
141 62.4 48.1 72.1

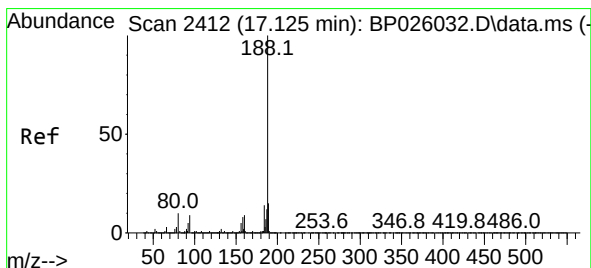
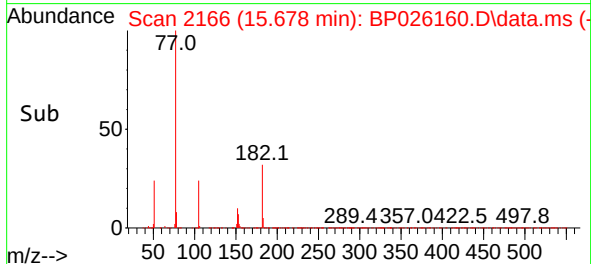
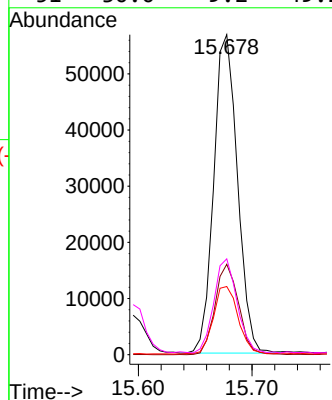
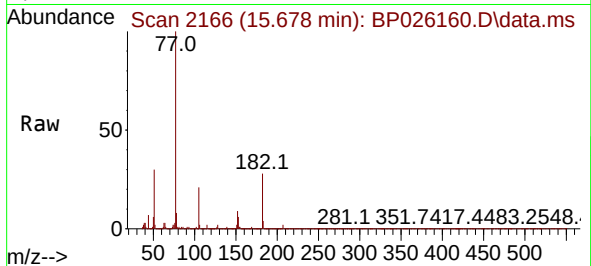




#63
Azobenzene
Concen: 2.019 ng
RT: 15.678 min Scan# 2166
Delta R.T. -0.012 min
Lab File: BP026160.D
Acq: 19 Nov 2025 16:11

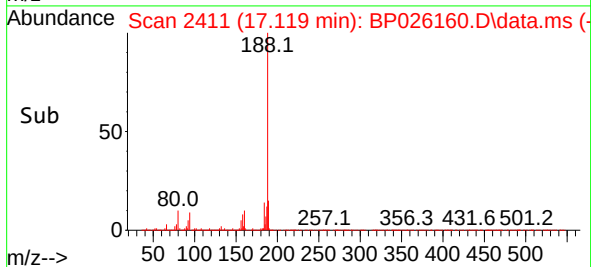
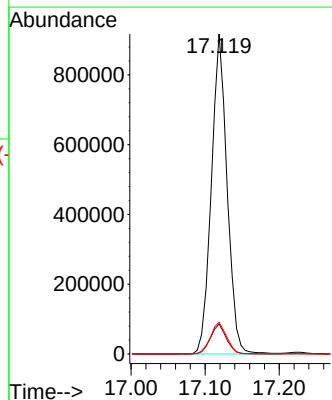
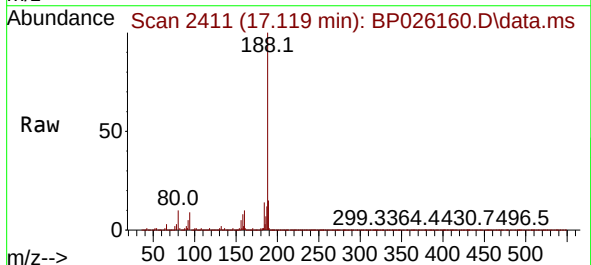
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2025

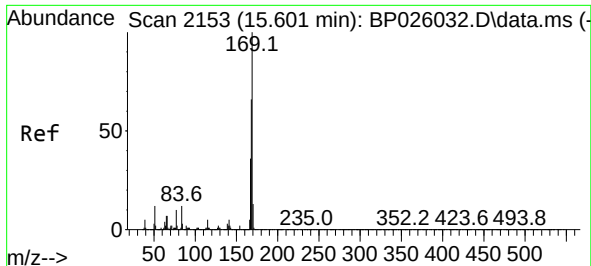
Tgt Ion: 77	Resp: 82372
Ion Ratio	Lower Upper
77 100	
182 28.2	8.8 48.8
105 21.3	2.6 42.6
51 30.0	9.2 49.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.119 min Scan# 2411
Delta R.T. -0.012 min
Lab File: BP026160.D
Acq: 19 Nov 2025 16:11

Tgt Ion:188	Resp: 1353294		
Ion Ratio	Lower	Upper	
188 100			
94 9.3	7.8	11.6	
80 9.9	8.2	12.2	

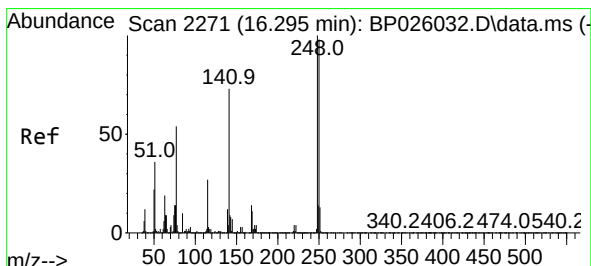
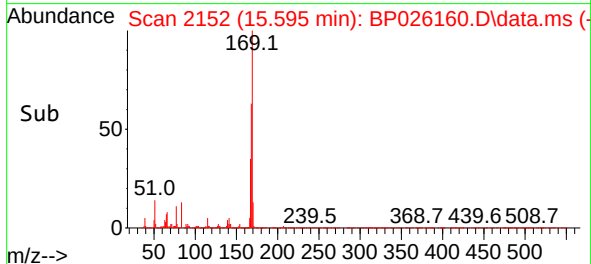
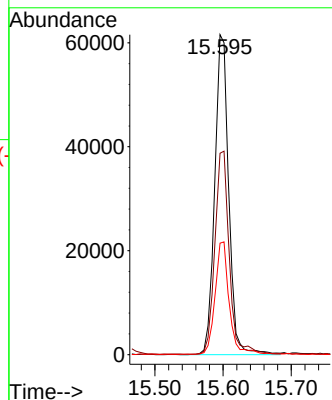
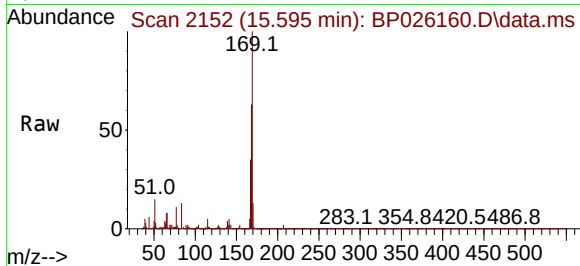




#66
n-Nitrosodiphenylamine
Concen: 2.099 ng
RT: 15.595 min Scan# 2153
Delta R.T. -0.012 min
Lab File: BP026160.D
Acq: 19 Nov 2025 16:11

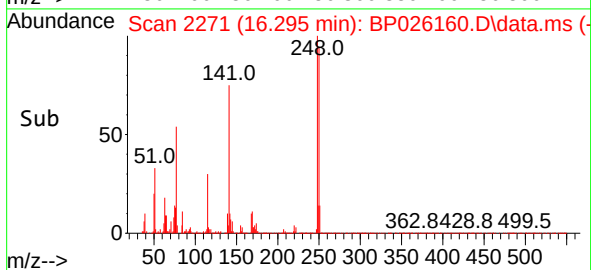
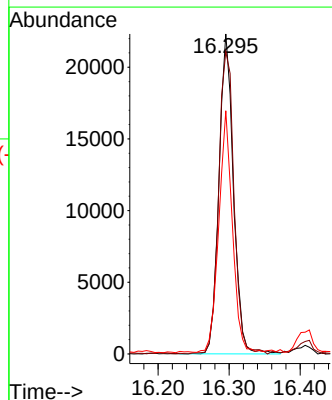
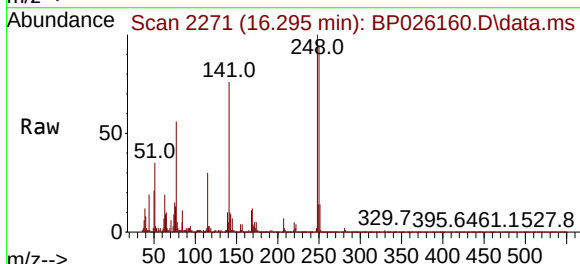
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2025

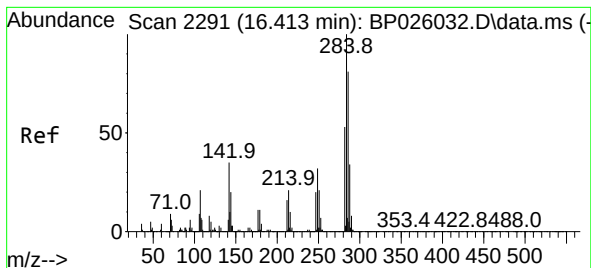
Tgt Ion:169	Resp:	87866
Ion Ratio	Lower	Upper
169	100	
168	63.0	53.1 79.7
167	34.9	28.9 43.3



#67
4-Bromophenyl-phenylether
Concen: 2.094 ng
RT: 16.295 min Scan# 2271
Delta R.T. -0.012 min
Lab File: BP026160.D
Acq: 19 Nov 2025 16:11

Tgt Ion:248	Resp:	31391
Ion Ratio	Lower	Upper
248	100	
250	94.4	77.8 116.6
141	76.0	55.4 83.0





#68

Hexachlorobenzene

Concen: 2.225 ng

RT: 16.407 min Scan# 21

Delta R.T. -0.017 min

Lab File: BP026160.D

Acq: 19 Nov 2025 16:11

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2025

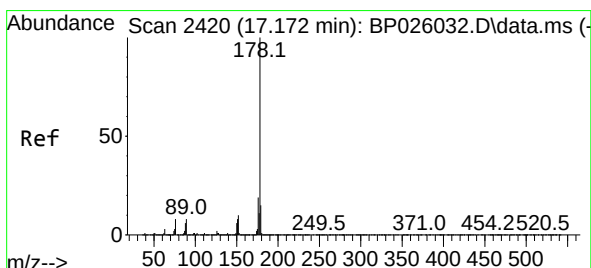
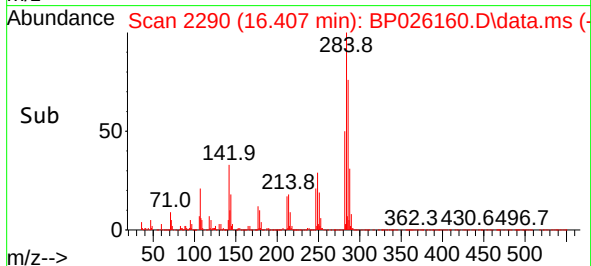
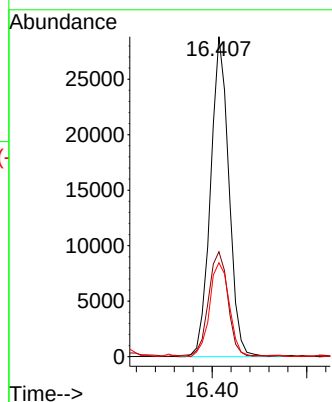
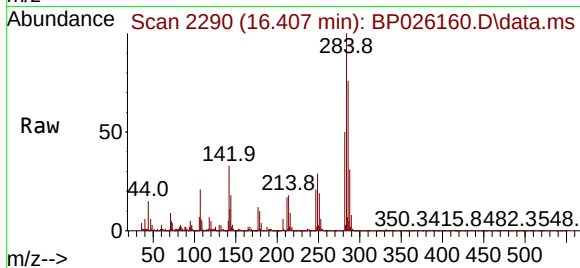
Tgt Ion:284 Resp: 38688

Ion Ratio Lower Upper

284 100

142 32.8 28.0 42.0

249 29.3 25.0 37.4



#71

Phenanthrene

Concen: 2.285 ng

RT: 17.166 min Scan# 2419

Delta R.T. -0.012 min

Lab File: BP026160.D

Acq: 19 Nov 2025 16:11

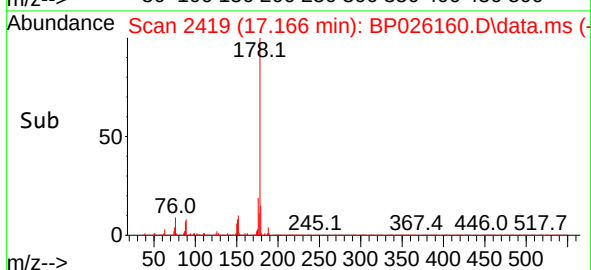
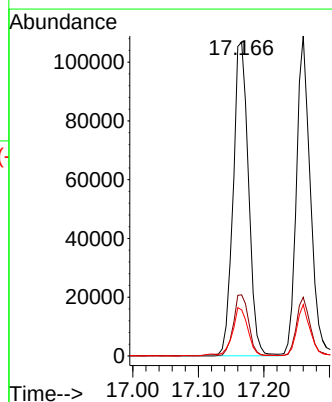
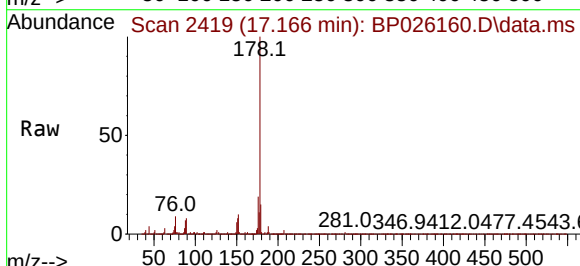
Tgt Ion:178 Resp: 174228

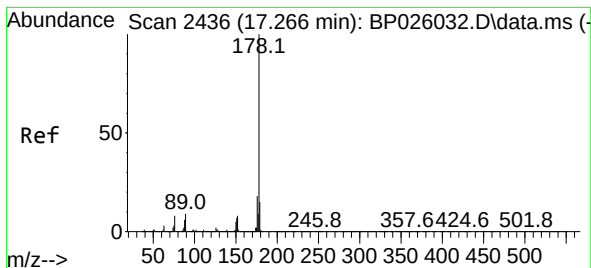
Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.2

179 14.7 12.4 18.6





#72

Anthracene

Concen: 2.081 ng

RT: 17.260 min Scan# 2436

Delta R.T. -0.012 min

Lab File: BP026160.D

Acq: 19 Nov 2025 16:11

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2025

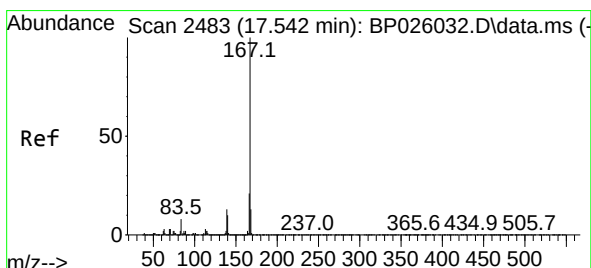
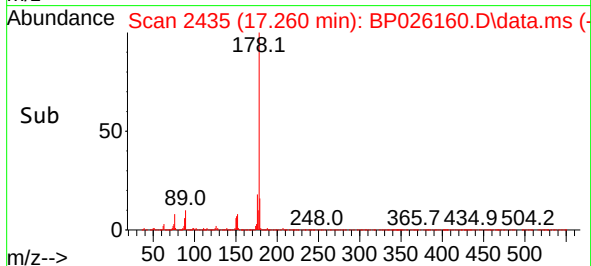
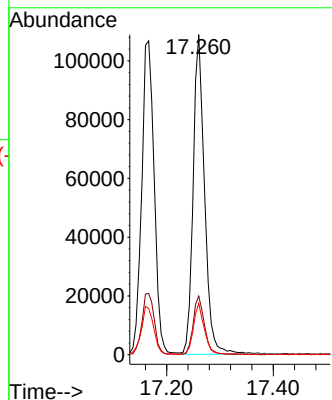
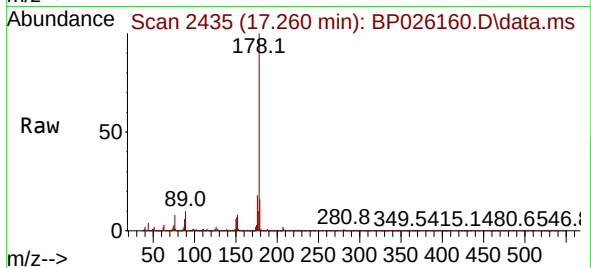
Tgt Ion:178 Resp: 161842

Ion Ratio Lower Upper

178 100

176 18.4 14.8 22.2

179 16.1 12.2 18.4



#73

Carbazole

Concen: 2.084 ng

RT: 17.542 min Scan# 2483

Delta R.T. 0.000 min

Lab File: BP026160.D

Acq: 19 Nov 2025 16:11

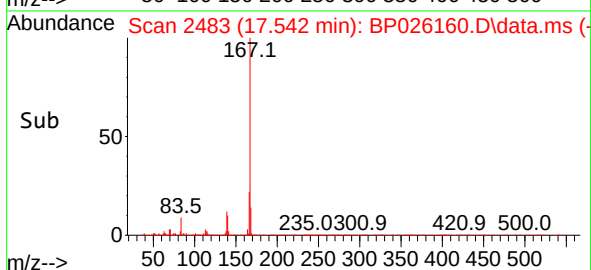
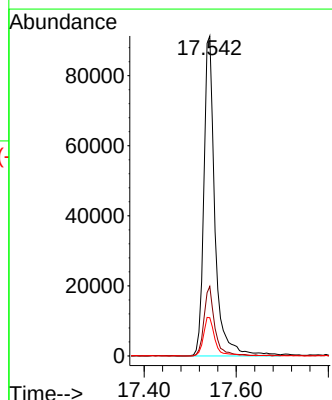
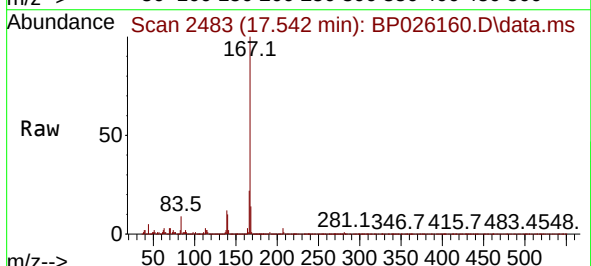
Tgt Ion:167 Resp: 153870

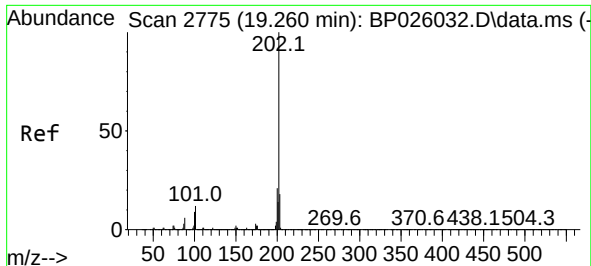
Ion Ratio Lower Upper

167 100

166 21.8 17.1 25.7

139 11.9 10.2 15.4

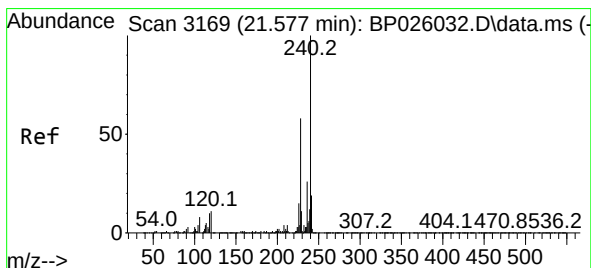
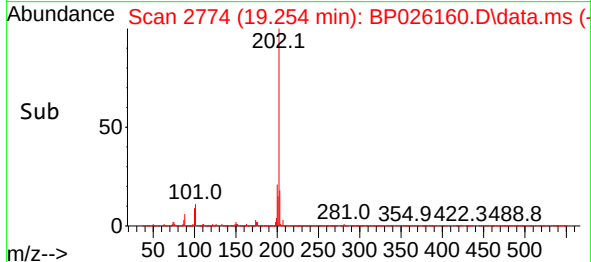
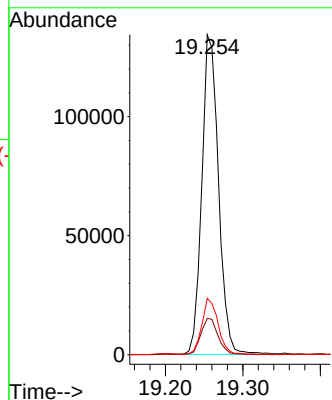
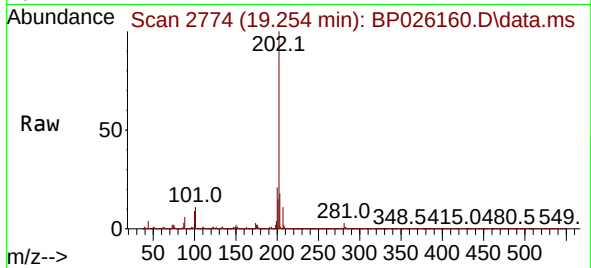




#75
Fluoranthene
Concen: 2.166 ng
RT: 19.254 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP026160.D
Acq: 19 Nov 2025 16:11

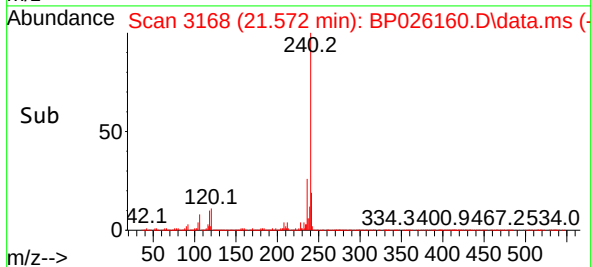
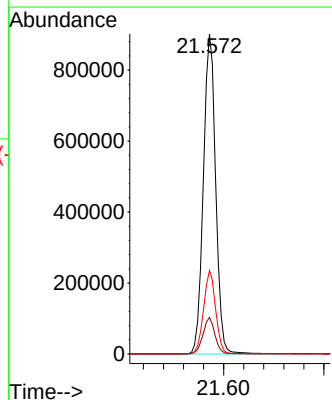
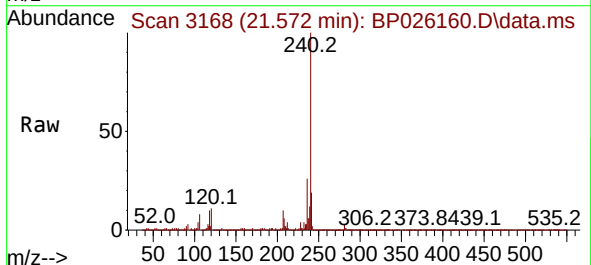
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2025

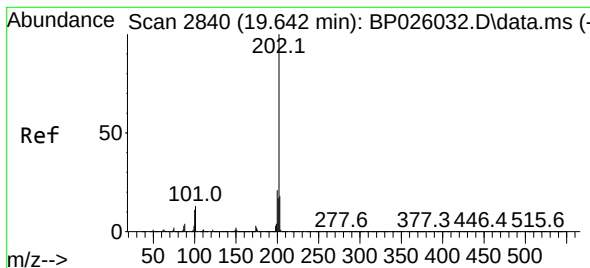
Tgt Ion:202 Resp: 200665
Ion Ratio Lower Upper
202 100
101 11.4 0.0 31.2
203 17.6 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.572 min Scan# 3168
Delta R.T. 0.000 min
Lab File: BP026160.D
Acq: 19 Nov 2025 16:11

Tgt Ion:240 Resp: 1535477
Ion Ratio Lower Upper
240 100
120 11.4 9.0 13.4
236 26.1 20.4 30.6





#78

Pyrene

Concen: 2.136 ng

RT: 19.636 min Scan# 2150

Delta R.T. -0.006 min

Lab File: BP026160.D

Acq: 19 Nov 2025 16:11

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2025

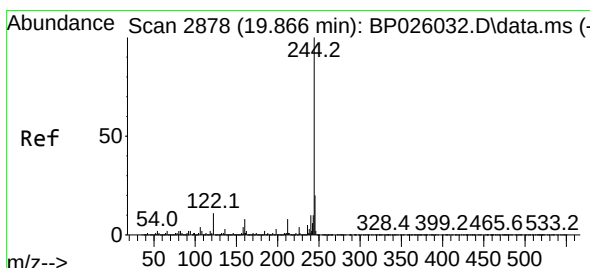
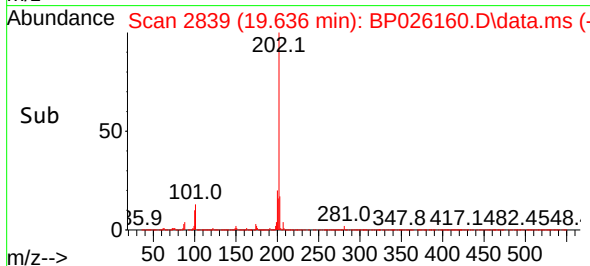
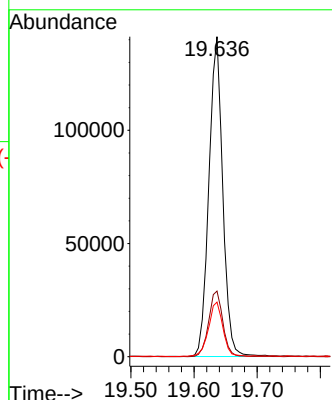
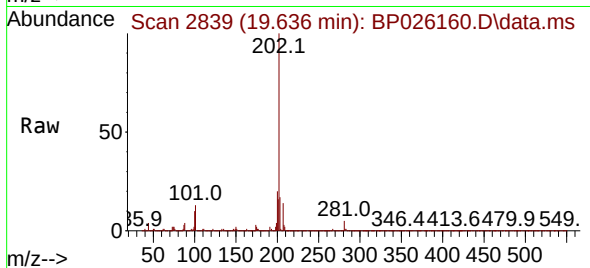
Tgt Ion:202 Resp: 215028

Ion Ratio Lower Upper

202 100

200 20.5 16.9 25.3

203 17.0 13.8 20.8



#79

Terphenyl-d14

Concen: 71.071 ng

RT: 19.860 min Scan# 2877

Delta R.T. -0.012 min

Lab File: BP026160.D

Acq: 19 Nov 2025 16:11

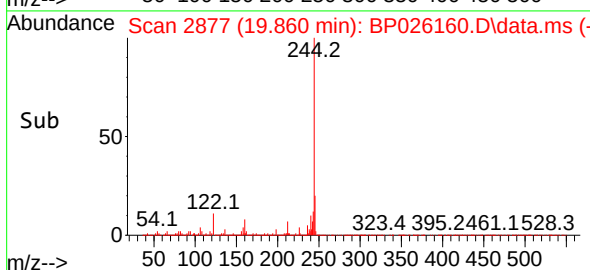
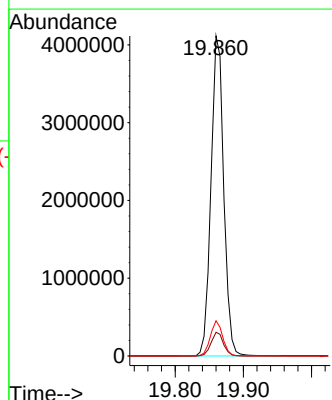
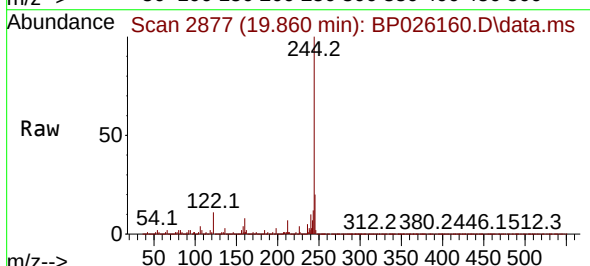
Tgt Ion:244 Resp: 5351923

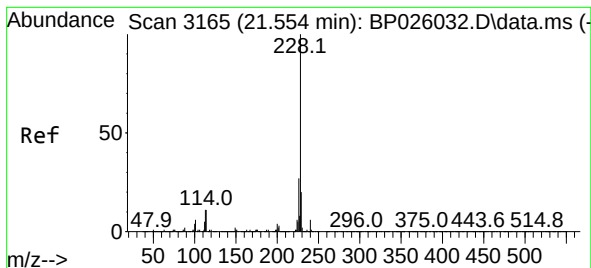
Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

122 11.0 8.2 12.2





#81

Benzo(a)anthracene

Concen: 2.204 ng

RT: 21.554 min Scan# 3165

Delta R.T. 0.000 min

Lab File: BP026160.D

Acq: 19 Nov 2025 16:11

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2025

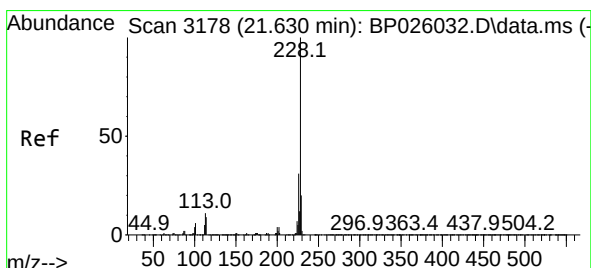
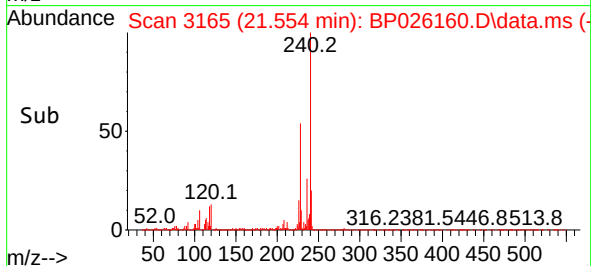
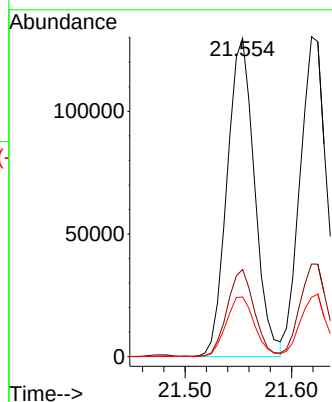
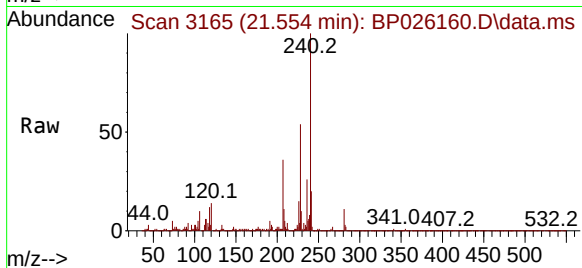
Tgt Ion:228 Resp: 232388

Ion Ratio Lower Upper

228 100

226 27.4 21.8 32.8

229 18.7 15.9 23.9



#83

Chrysene

Concen: 2.281 ng

RT: 21.619 min Scan# 3176

Delta R.T. 0.000 min

Lab File: BP026160.D

Acq: 19 Nov 2025 16:11

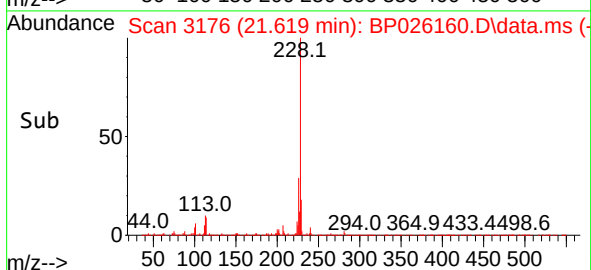
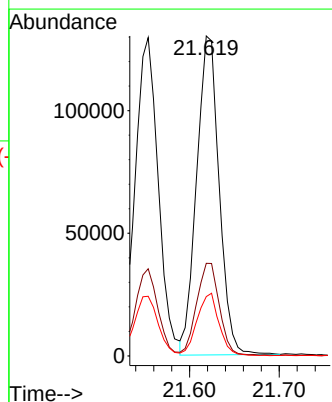
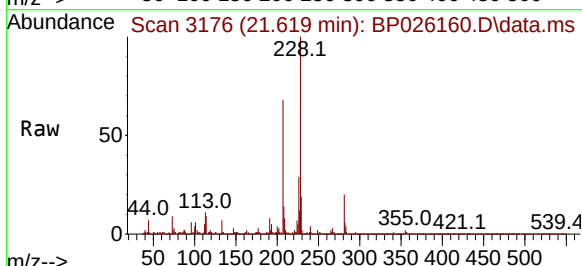
Tgt Ion:228 Resp: 226705

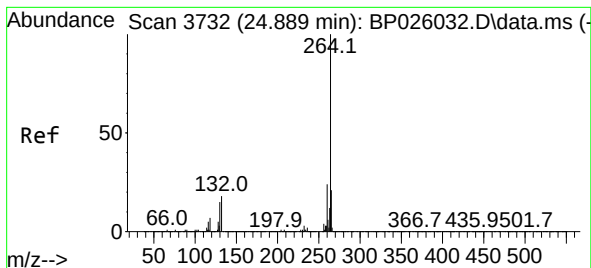
Ion Ratio Lower Upper

228 100

226 28.9 23.9 35.9

229 18.6 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.889 min Scan# 31

Delta R.T. -0.017 min

Lab File: BP026160.D

Acq: 19 Nov 2025 16:11

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2025

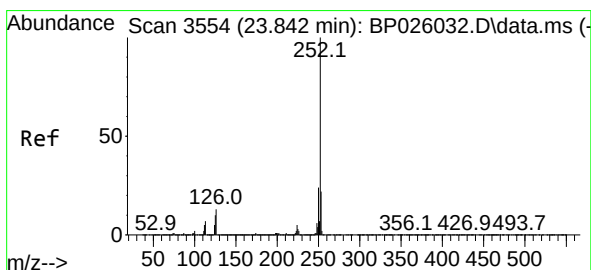
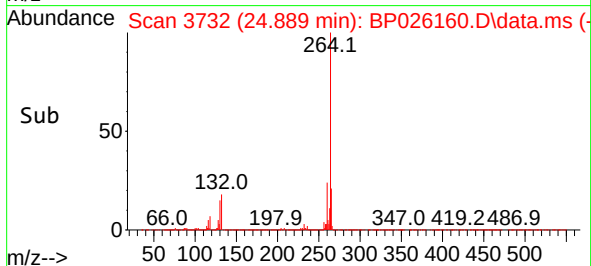
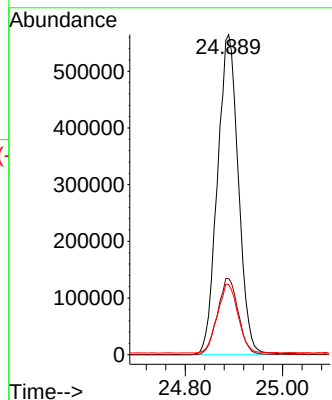
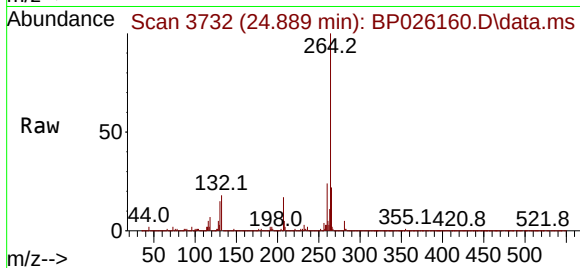
Tgt Ion:264 Resp: 1684562

Ion Ratio Lower Upper

264 100

260 23.8 18.7 28.1

265 22.0 17.5 26.3



#88

Benzo(b)fluoranthene

Concen: 2.119 ng

RT: 23.842 min Scan# 3554

Delta R.T. -0.023 min

Lab File: BP026160.D

Acq: 19 Nov 2025 16:11

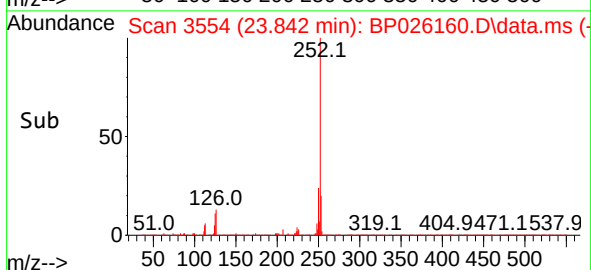
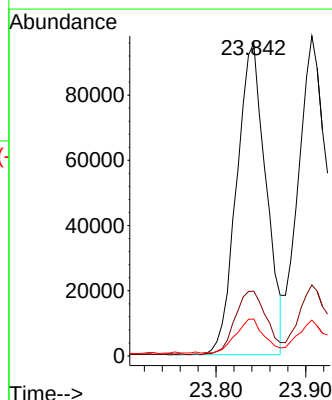
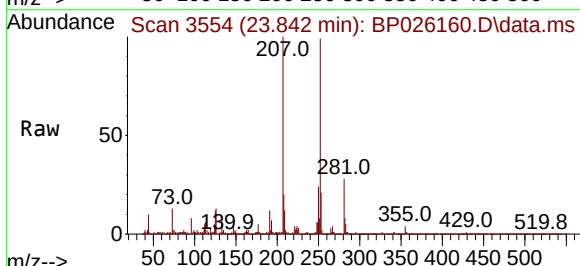
Tgt Ion:252 Resp: 217348

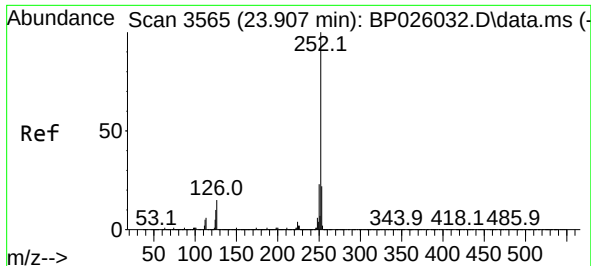
Ion Ratio Lower Upper

252 100

253 20.7 17.6 26.4

125 11.8 8.2 12.4

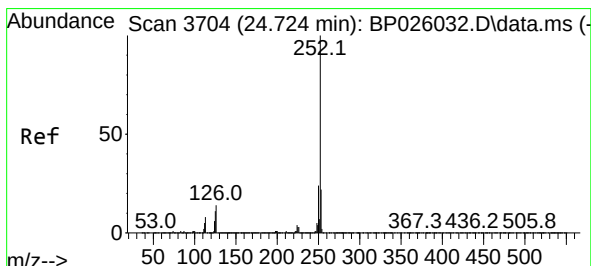
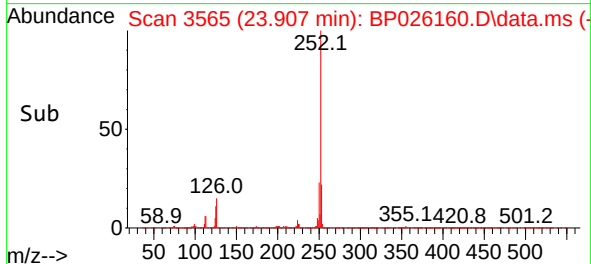
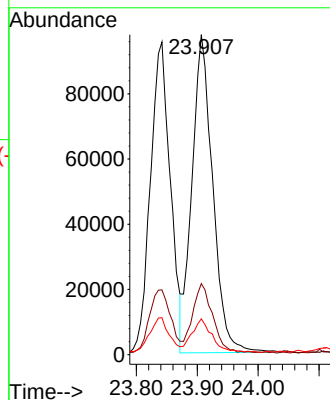
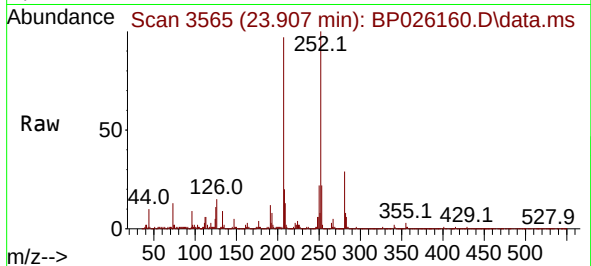




#89
Benzo(k)fluoranthene
Concen: 2.251 ng
RT: 23.907 min Scan# 31
Delta R.T. -0.029 min
Lab File: BP026160.D
Acq: 19 Nov 2025 16:11

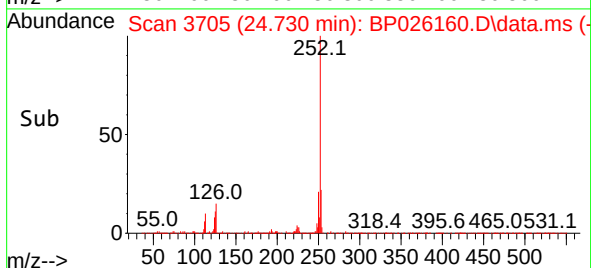
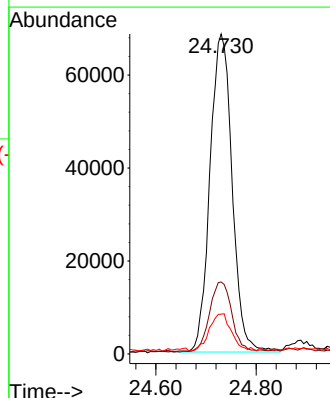
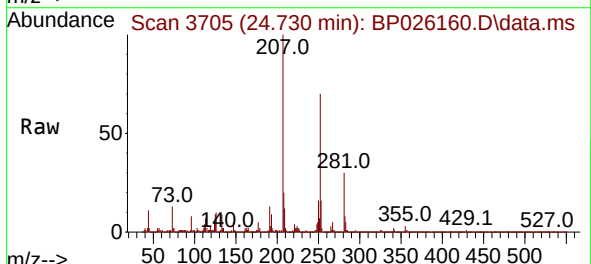
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2025

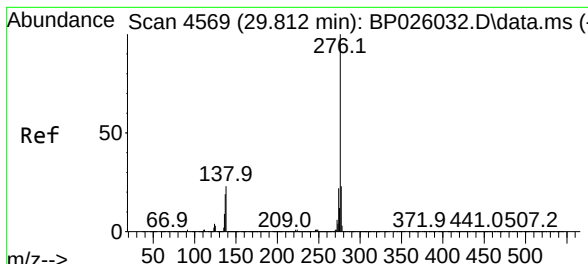
Tgt Ion:252 Resp: 230658
Ion Ratio Lower Upper
252 100
253 22.2 17.6 26.4
125 11.2 7.5 11.3



#90
Benzo(a)pyrene
Concen: 2.160 ng
RT: 24.730 min Scan# 3705
Delta R.T. -0.023 min
Lab File: BP026160.D
Acq: 19 Nov 2025 16:11

Tgt Ion:252 Resp: 209905
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.2
125 12.5 9.0 13.6





#92
 Benzo(g,h,i)perylene
 Concen: 2.126 ng
 RT: 29.818 min Scan# 41
 Delta R.T. -0.064 min
 Lab File: BP026160.D
 Acq: 19 Nov 2025 16:11

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT4-2025

Tgt Ion: 276 Resp: 218565

Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.8	28.2
138	20.6	17.8	26.6

