

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP090425\
 Data File : BP025660.D
 Acq On : 04 Sep 2025 14:47
 Operator : CG/JU
 Sample : Q2893-02
 Misc : LOQ-SOIL 10PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT3-2025

Quant Time: Sep 04 21:01:24 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

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

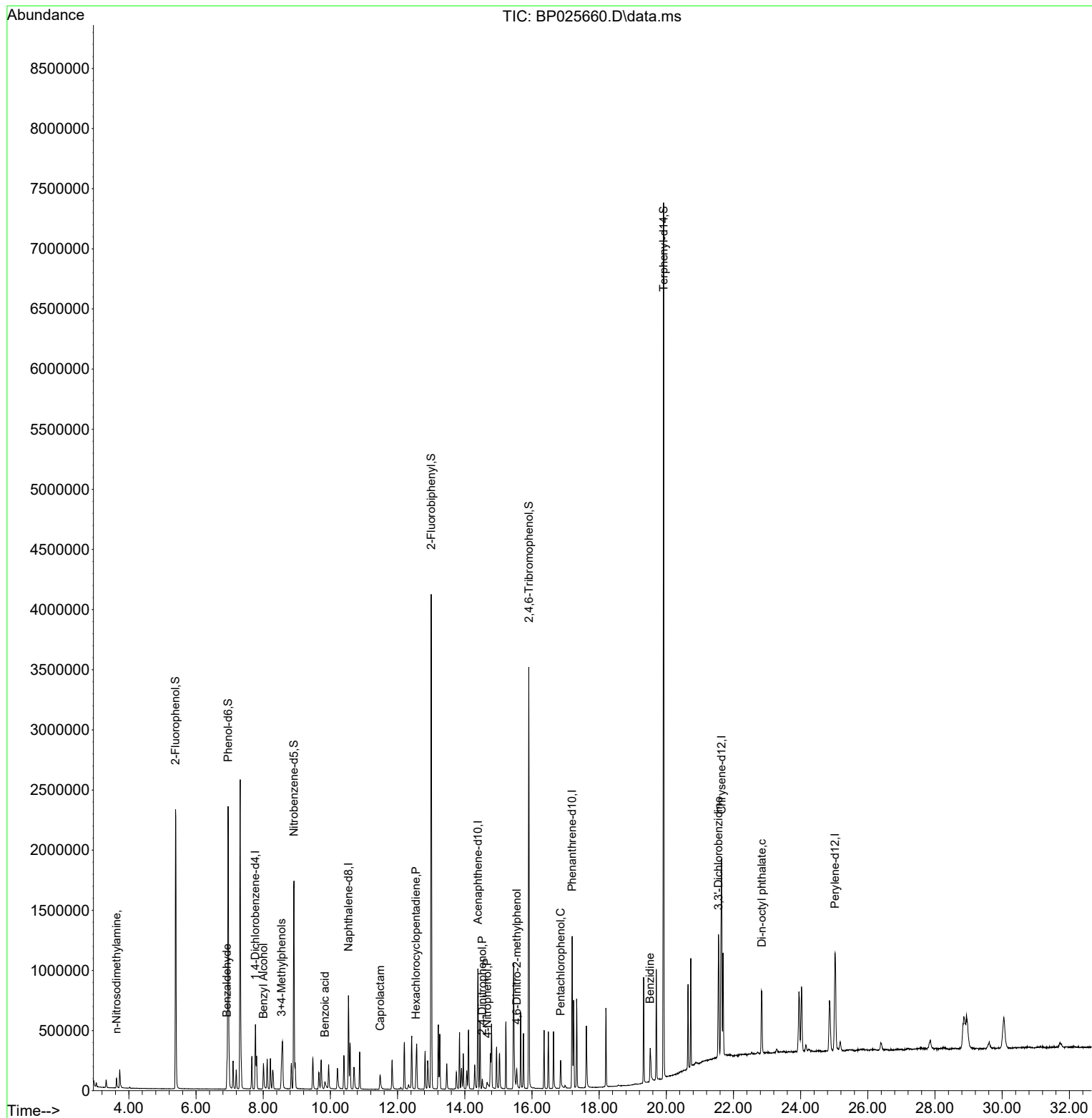
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.766	152	140687	20.000	ng	-0.03
21) Naphthalene-d8	10.537	136	584795	20.000	ng	-0.02
39) Acenaphthene-d10	14.390	164	389817	20.000	ng	-0.02
64) Phenanthrene-d10	17.195	188	778487	20.000	ng	0.00
76) Chrysene-d12	21.642	240	828025	20.000	ng	0.00
86) Perylene-d12	25.024	264	922045	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.390	112	1054919	124.525	ng	-0.02
7) Phenol-d6	6.955	99	1355815	124.830	ng	-0.01
23) Nitrobenzene-d5	8.913	82	961571	83.177	ng	-0.02
42) 2,4,6-Tribromophenol	15.907	330	661237	126.023	ng	0.00
45) 2-Fluorobiphenyl	13.001	172	2263522	79.358	ng	-0.02
79) Terphenyl-d14	19.919	244	3756167	82.995	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.631	42	41748	11.149	ng	# 82
9) Benzaldehyde	6.919	77	81537	10.715	ng	94
15) Benzyl Alcohol	8.008	79	83275	9.650	ng	97
20) 3+4-Methylphenols	8.543	107	98992	9.022	ng	96
32) Benzoic acid	9.837	122	36570	5.432	ng	98
35) Caprolactam	11.484	113	29610	8.915	ng	93
41) Hexachlorocyclopentadiene	12.548	237	37402	5.500	ng	98
54) 2,4-Dinitrophenol	14.519	184	20128	6.264	ng	# 86
56) 4-Nitrophenol	14.666	139	31375	5.640	ng	89
65) 4,6-Dinitro-2-methylph...	15.548	198	40017	8.246	ng	90
70) Pentachlorophenol	16.854	266	50433	8.050	ng	95
77) Benzidine	19.519	184	268335	9.496	ng	98
82) 3,3'-Dichlorobenzidine	21.548	252	191945	9.325	ng	98
85) Di-n-octyl phthalate	22.842	149	571655	9.256	ng	97

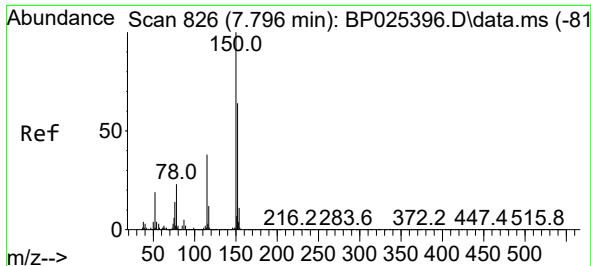
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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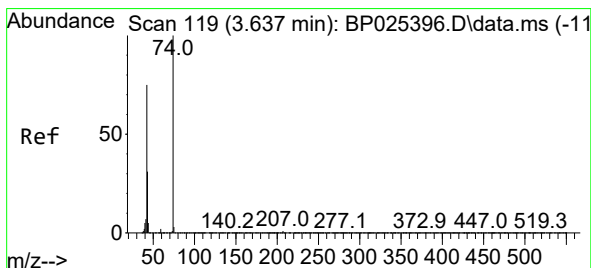
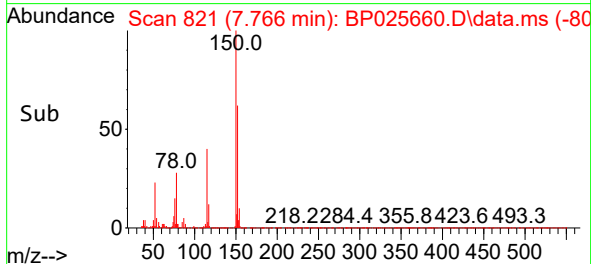
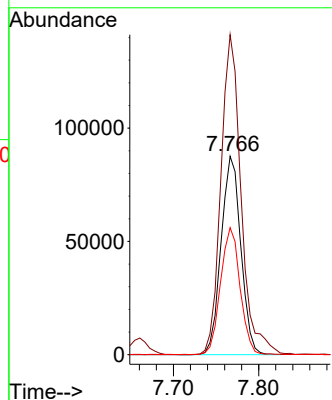
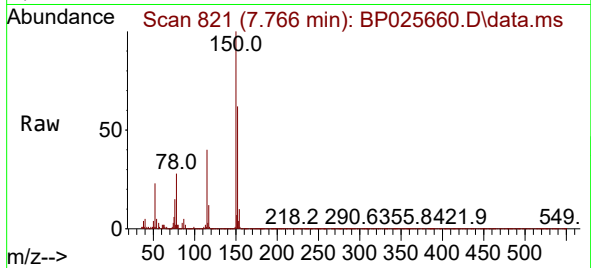




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.766 min Scan# 81
Delta R.T. -0.030 min
Lab File: BP025660.D
Acq: 04 Sep 2025 14:47

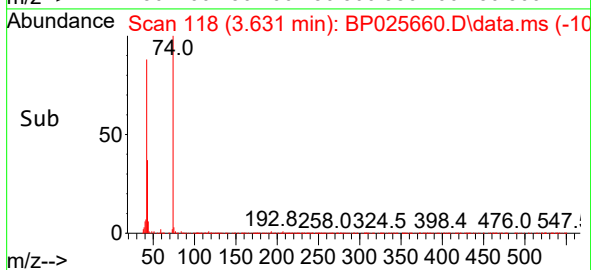
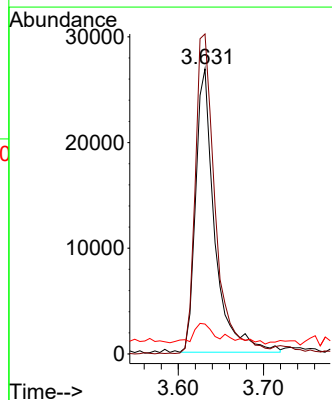
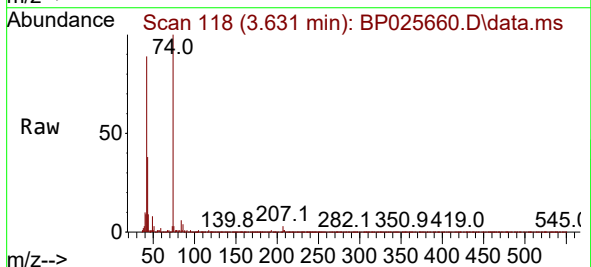
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2025

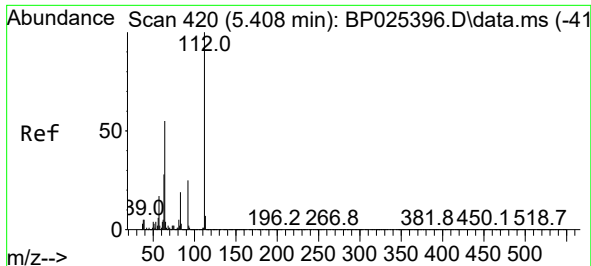
Tgt Ion:152 Resp: 140687
Ion Ratio Lower Upper
152 100
150 161.2 125.9 188.9
115 64.0 48.5 72.7



#4
n-Nitrosodimethylamine
Concen: 11.149 ng
RT: 3.631 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025660.D
Acq: 04 Sep 2025 14:47

Tgt Ion: 42 Resp: 41748
Ion Ratio Lower Upper
42 100
74 112.3 107.0 160.4
44 10.5 6.2 9.4#

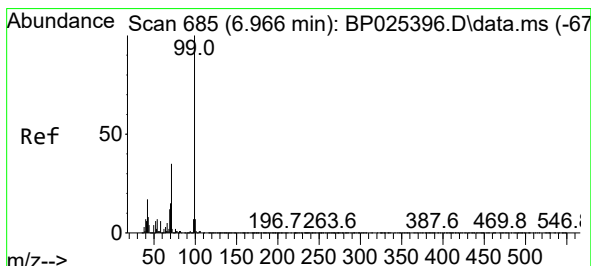
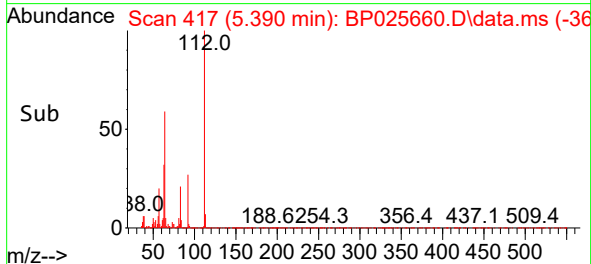
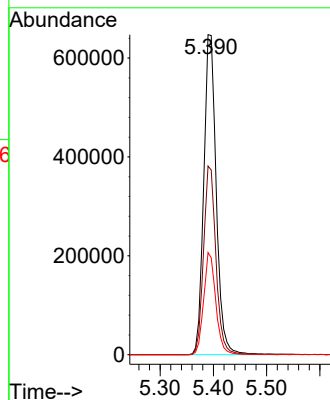
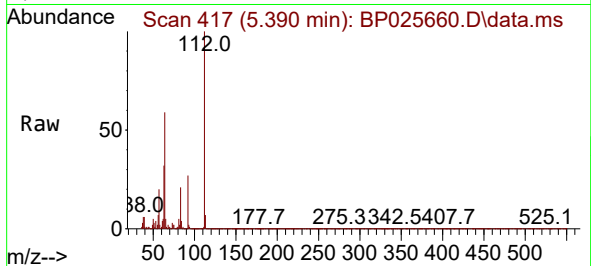




#5
2-Fluorophenol
Concen: 124.525 ng
RT: 5.390 min Scan# 417
Delta R.T. -0.018 min
Lab File: BP025660.D
Acq: 04 Sep 2025 14:47

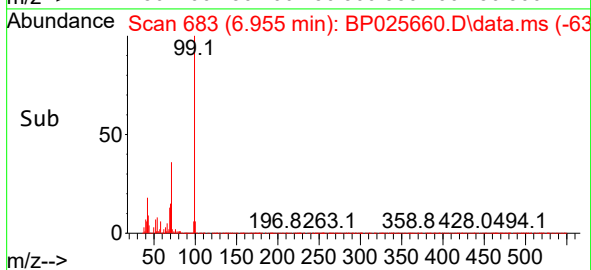
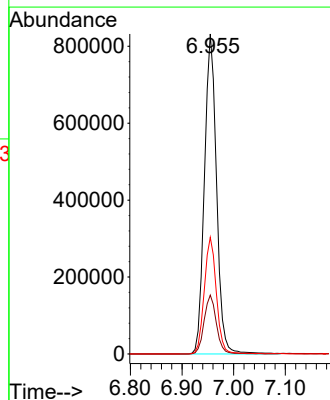
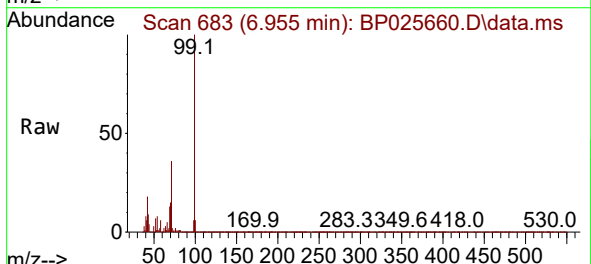
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2025

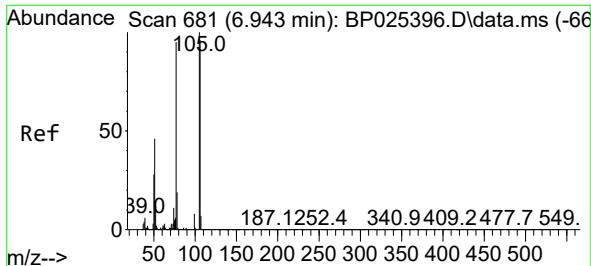
Tgt Ion:112 Resp: 1054919
Ion Ratio Lower Upper
112 100
64 58.9 43.8 65.8
63 31.9 22.7 34.1



#7
Phenol-d6
Concen: 124.830 ng
RT: 6.955 min Scan# 683
Delta R.T. -0.012 min
Lab File: BP025660.D
Acq: 04 Sep 2025 14:47

Tgt Ion: 99 Resp: 1355815
Ion Ratio Lower Upper
99 100
42 18.4 13.7 20.5
71 36.5 28.2 42.4

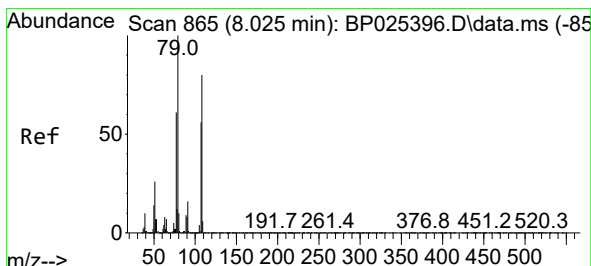
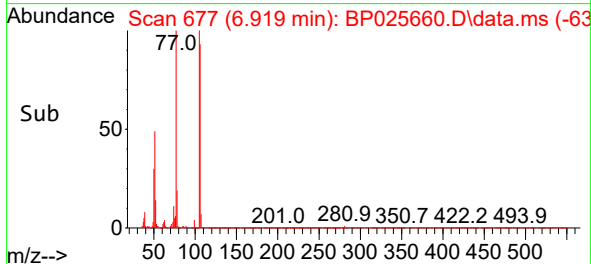
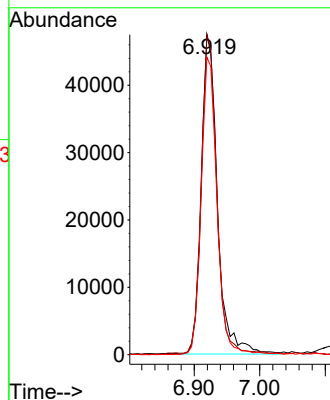
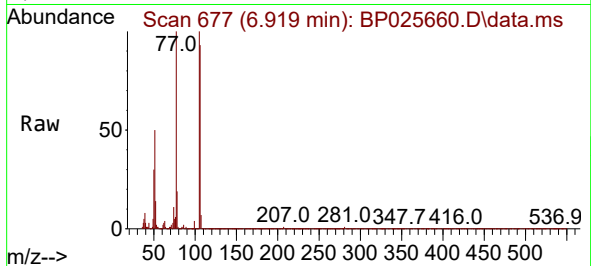




#9
Benzaldehyde
Concen: 10.715 ng
RT: 6.919 min Scan# 61
Delta R.T. -0.023 min
Lab File: BP025660.D
Acq: 04 Sep 2025 14:47

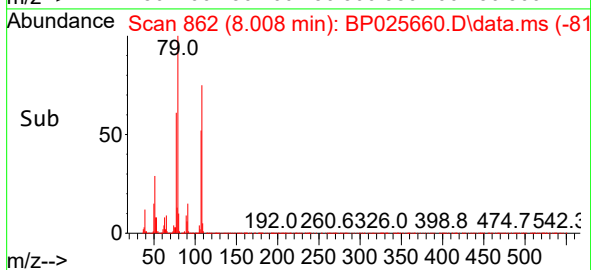
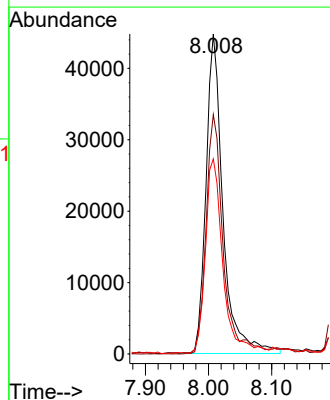
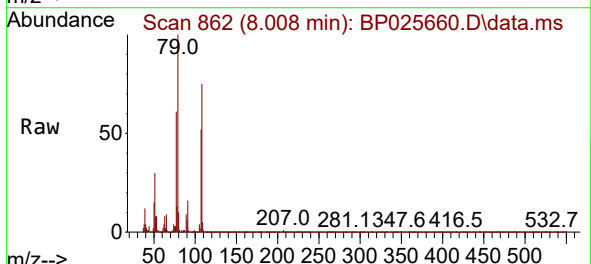
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2025

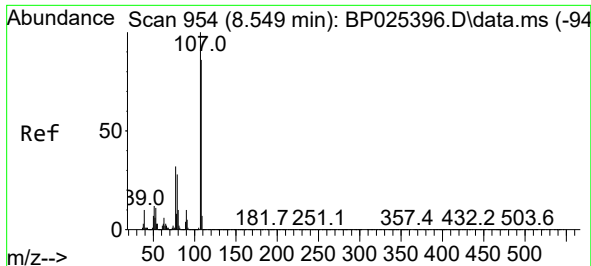
Tgt Ion: 77 Resp: 81537
Ion Ratio Lower Upper
77 100
105 100.0 84.8 124.8
106 93.0 80.5 120.5



#15
Benzyl Alcohol
Concen: 9.650 ng
RT: 8.008 min Scan# 862
Delta R.T. -0.018 min
Lab File: BP025660.D
Acq: 04 Sep 2025 14:47

Tgt Ion: 79 Resp: 83275
Ion Ratio Lower Upper
79 100
108 74.8 63.8 95.6
77 61.0 49.0 73.4

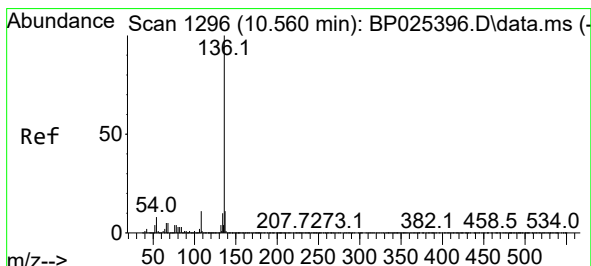
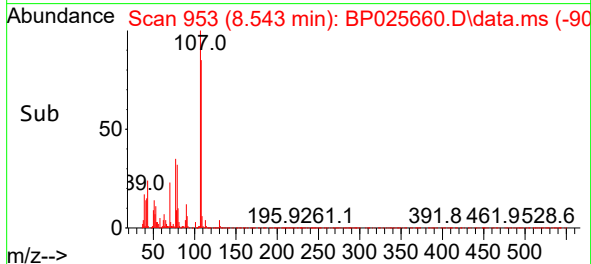
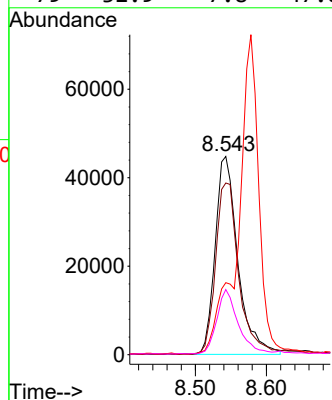
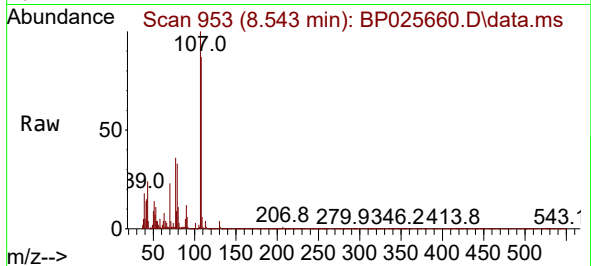




#20
3+4-Methylphenols
Concen: 9.022 ng
RT: 8.543 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP025660.D
Acq: 04 Sep 2025 14:47

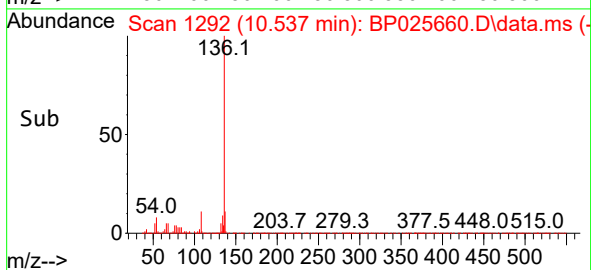
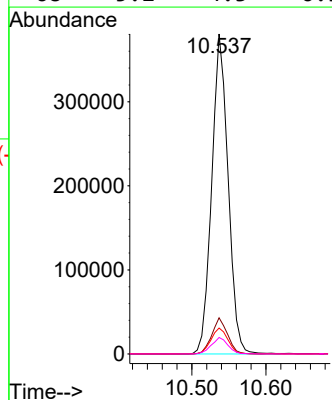
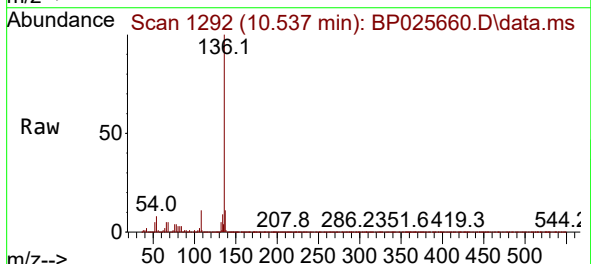
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2025

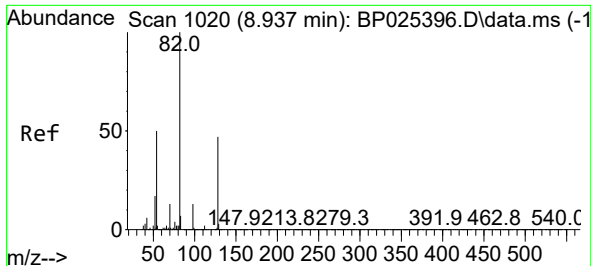
Tgt Ion:107	Resp:	98992
Ion	Ratio	Lower Upper
107	100	
108	86.6	66.3 106.3
77	36.3	12.3 52.3
79	32.9	7.8 47.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.537 min Scan# 1292
Delta R.T. -0.023 min
Lab File: BP025660.D
Acq: 04 Sep 2025 14:47

Tgt Ion:136	Resp:	584795
Ion	Ratio	Lower Upper
136	100	
137	11.3	9.2 13.8
54	8.1	6.0 9.0
68	5.2	4.3 6.5

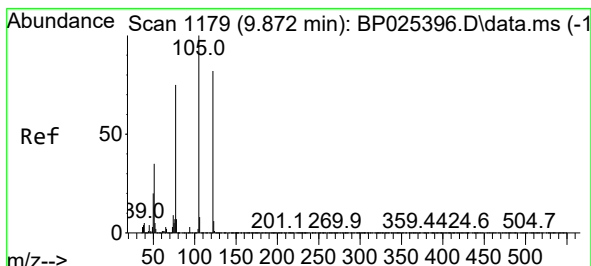
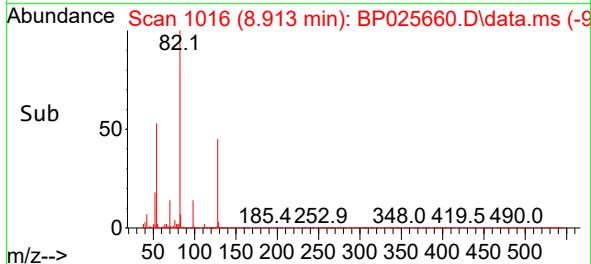
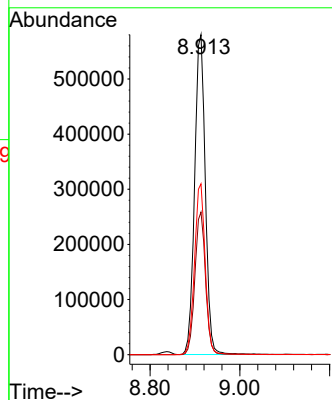
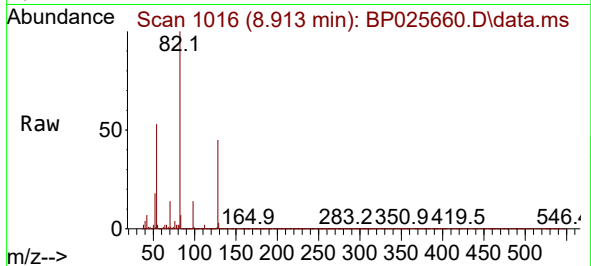




#23
Nitrobenzene-d5
Concen: 83.177 ng
RT: 8.913 min Scan# 1016
Delta R.T. -0.023 min
Lab File: BP025660.D
Acq: 04 Sep 2025 14:47

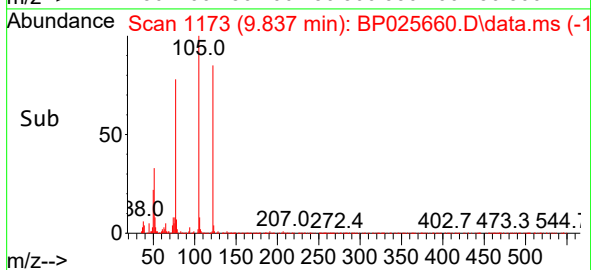
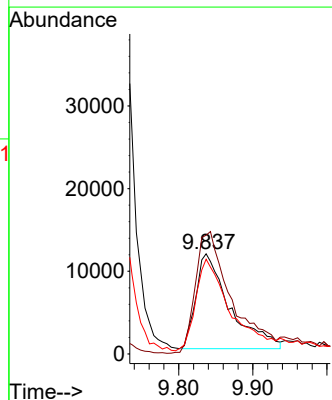
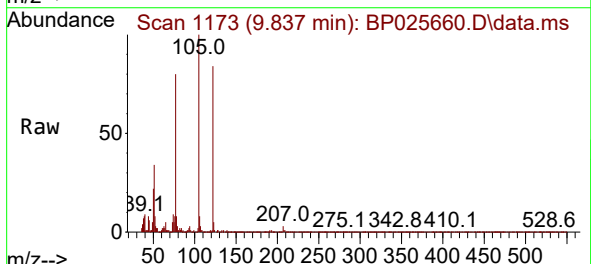
Instrument :
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ClientSampleId :
LOQ-SOIL-02-QT3-2025

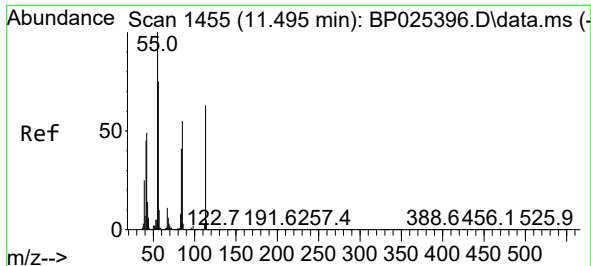
Tgt Ion: 82 Resp: 961571
Ion Ratio Lower Upper
82 100
128 44.6 37.7 56.5
54 53.4 39.8 59.6



#32
Benzoic acid
Concen: 5.432 ng
RT: 9.837 min Scan# 1173
Delta R.T. -0.035 min
Lab File: BP025660.D
Acq: 04 Sep 2025 14:47

Tgt Ion:122 Resp: 36570
Ion Ratio Lower Upper
122 100
105 118.4 100.6 140.6
77 94.5 71.5 111.5

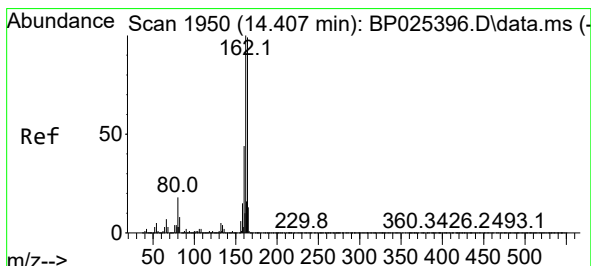
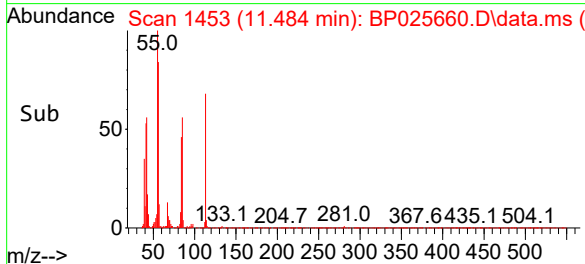
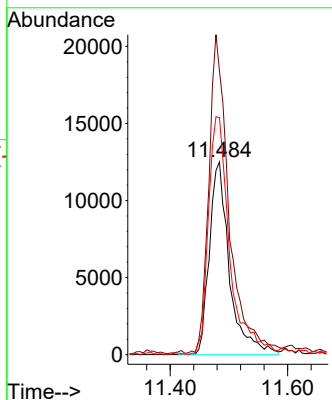
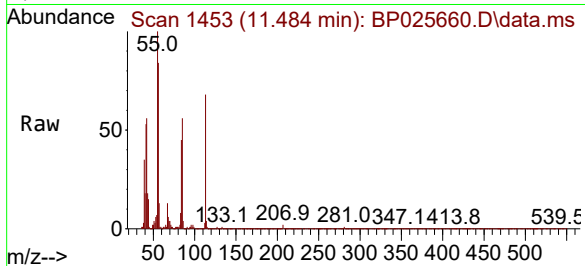




#35
Caprolactam
Concen: 8.915 ng
RT: 11.484 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BP025660.D
Acq: 04 Sep 2025 14:47

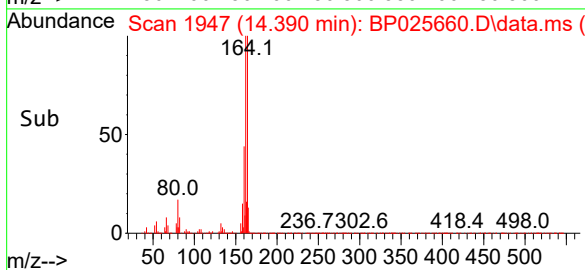
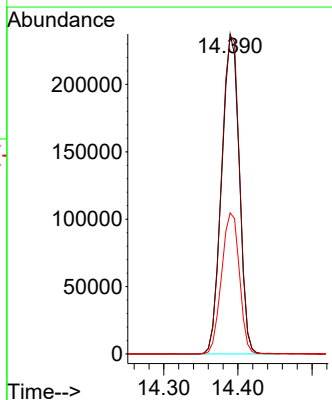
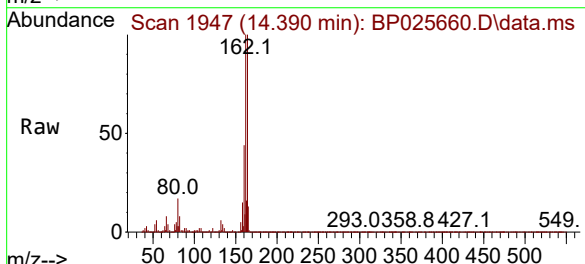
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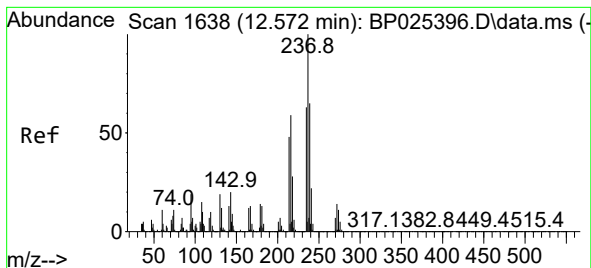
Tgt Ion:113 Resp: 29610
Ion Ratio Lower Upper
113 100
55 147.0 140.0 180.0
56 123.0 100.0 140.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.390 min Scan# 1947
Delta R.T. -0.018 min
Lab File: BP025660.D
Acq: 04 Sep 2025 14:47

Tgt Ion:164 Resp: 389817
Ion Ratio Lower Upper
164 100
162 99.6 81.0 121.6
160 44.1 35.4 53.2

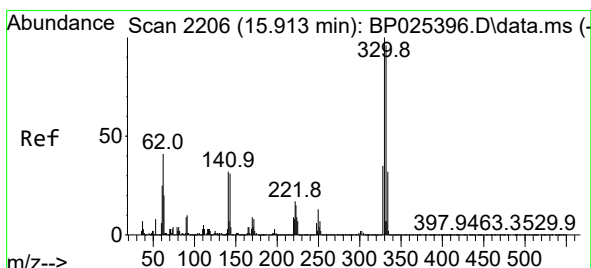
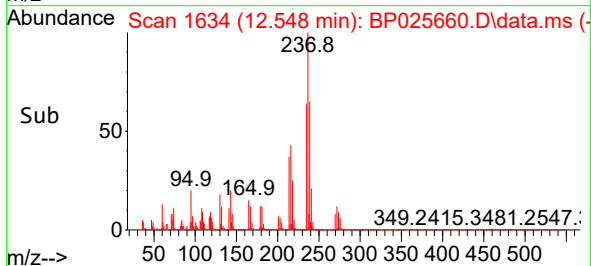
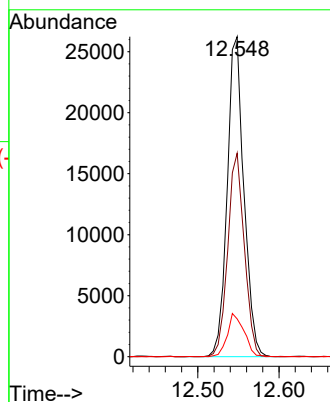
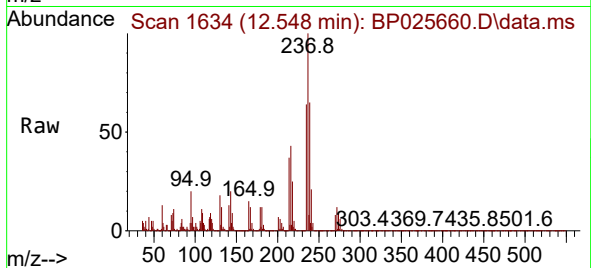




#41
Hexachlorocyclopentadiene
Concen: 5.500 ng
RT: 12.548 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP025660.D
Acq: 04 Sep 2025 14:47

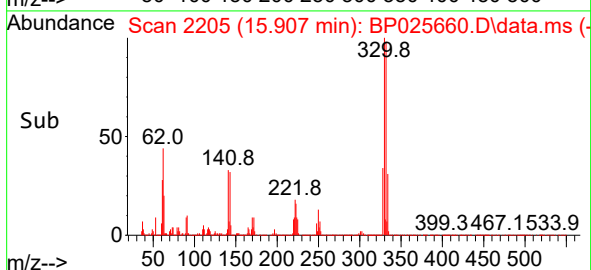
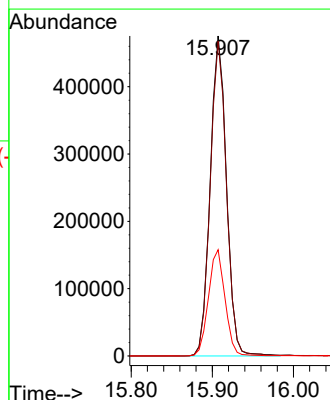
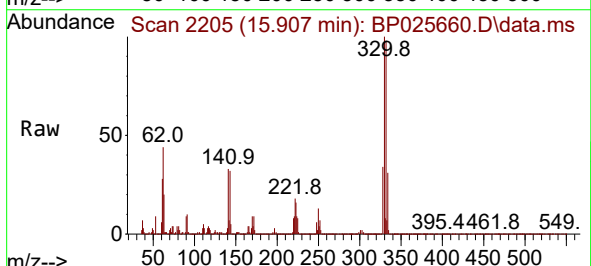
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2025

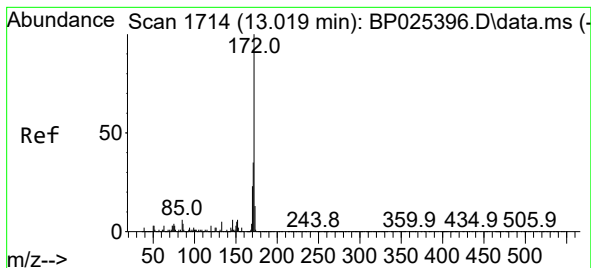
Tgt Ion:237 Resp: 37402
Ion Ratio Lower Upper
237 100
235 63.6 42.7 82.7
272 11.8 0.0 34.0



#42
2,4,6-Tribromophenol
Concen: 126.023 ng
RT: 15.907 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BP025660.D
Acq: 04 Sep 2025 14:47

Tgt Ion:330 Resp: 661237
Ion Ratio Lower Upper
330 100
332 98.1 77.3 115.9
141 33.9 26.6 39.8





#45

2-Fluorobiphenyl

Concen: 79.358 ng

RT: 13.001 min Scan# 1711

Delta R.T. -0.018 min

Lab File: BP025660.D

Acq: 04 Sep 2025 14:47

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2025

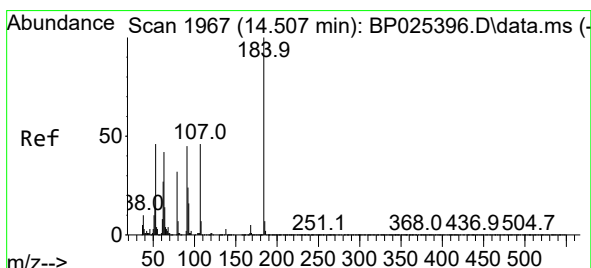
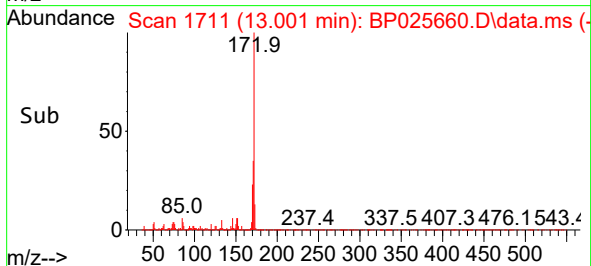
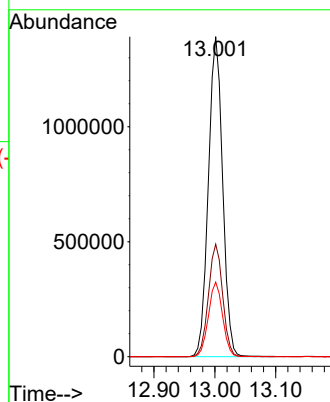
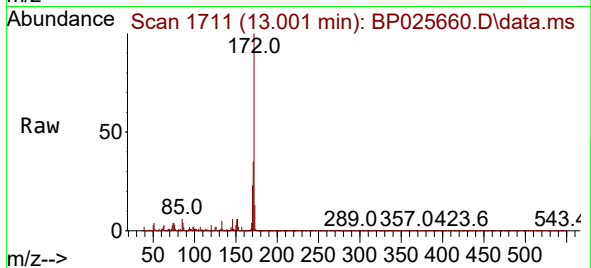
Tgt Ion:172 Resp: 2263522

Ion Ratio Lower Upper

172 100

171 35.2 28.1 42.1

170 23.3 18.6 28.0



#54

2,4-Dinitrophenol

Concen: 6.264 ng

RT: 14.519 min Scan# 1969

Delta R.T. 0.012 min

Lab File: BP025660.D

Acq: 04 Sep 2025 14:47

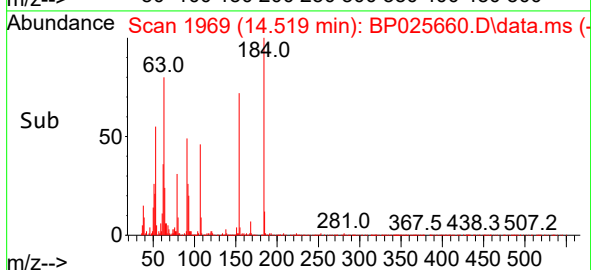
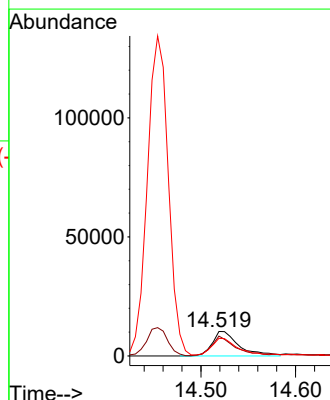
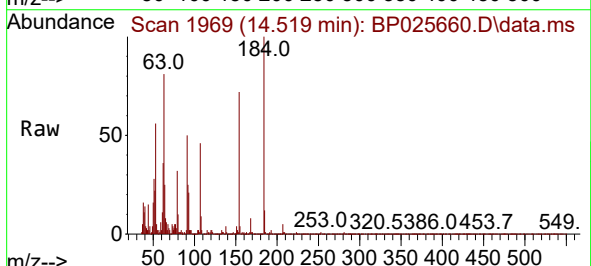
Tgt Ion:184 Resp: 20128

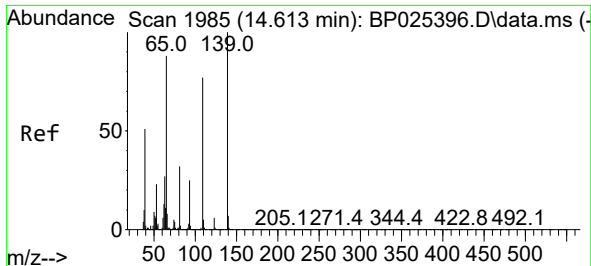
Ion Ratio Lower Upper

184 100

63 81.0 49.4 74.2#

154 72.0 54.6 82.0

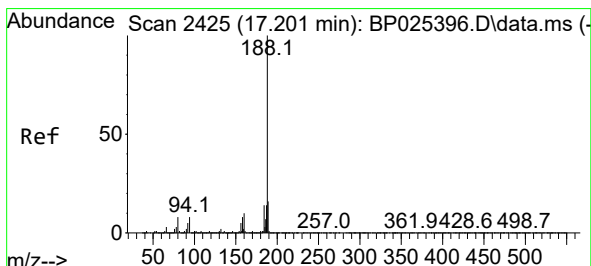
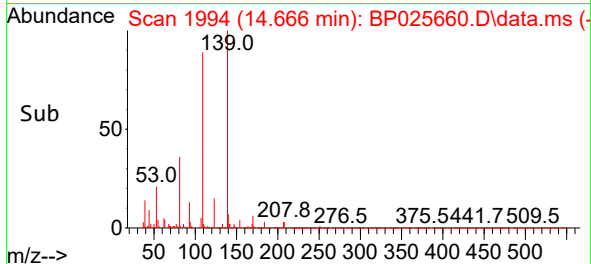
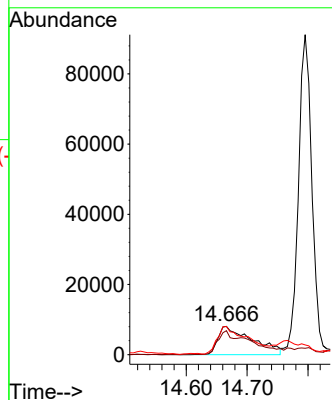
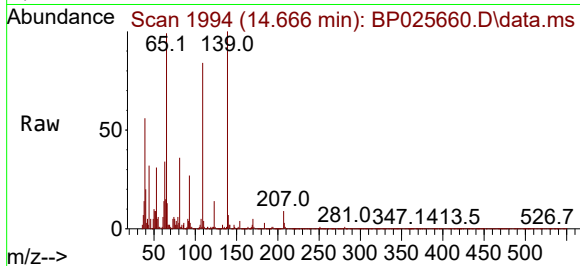




#56
4-Nitrophenol
Concen: 5.640 ng
RT: 14.666 min Scan# 1985
Delta R.T. 0.053 min
Lab File: BP025660.D
Acq: 04 Sep 2025 14:47

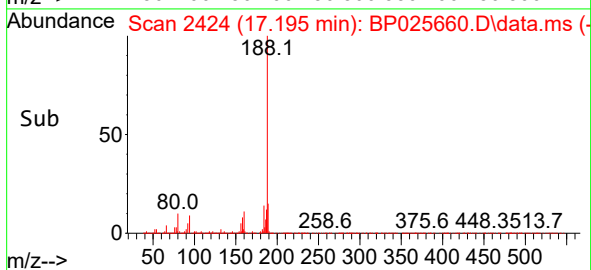
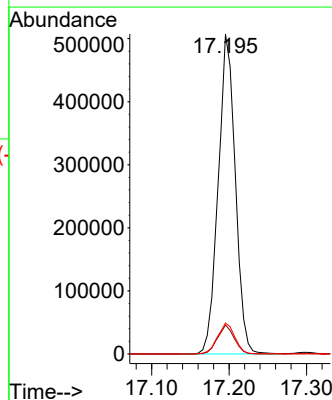
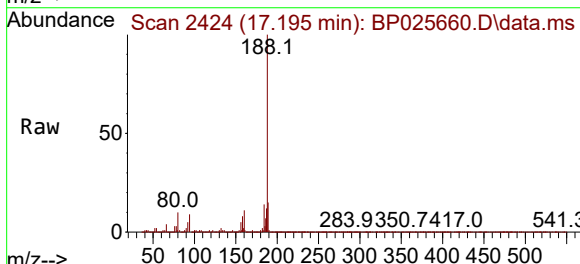
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2025

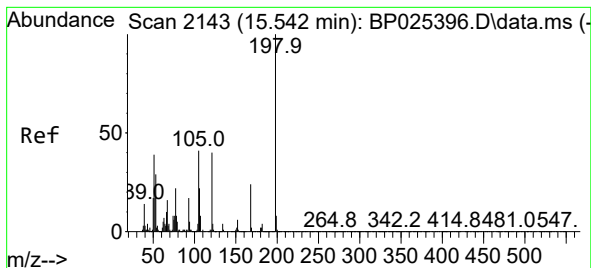
Tgt Ion:139 Resp: 31375
Ion Ratio Lower Upper
139 100
109 84.4 56.6 96.6
65 99.3 68.2 108.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.195 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BP025660.D
Acq: 04 Sep 2025 14:47

Tgt Ion:188 Resp: 778487
Ion Ratio Lower Upper
188 100
94 9.0 6.6 10.0
80 9.6 6.7 10.1

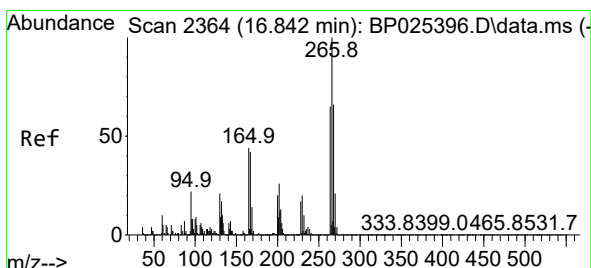
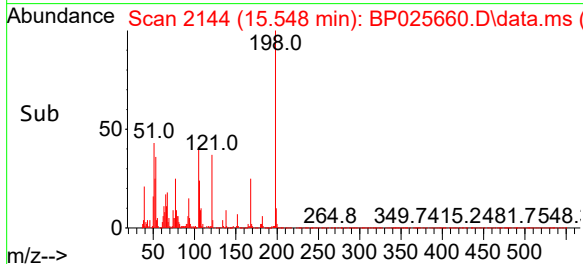
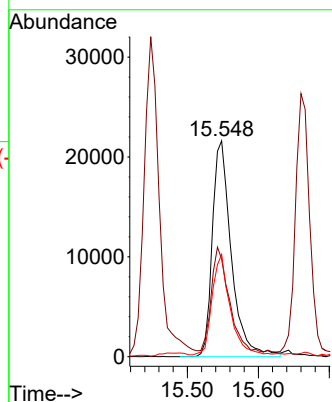
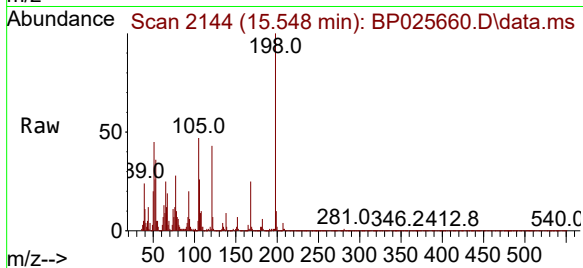




#65
4,6-Dinitro-2-methylphenol
Concen: 8.246 ng
RT: 15.548 min Scan# 2143
Delta R.T. 0.006 min
Lab File: BP025660.D
Acq: 04 Sep 2025 14:47

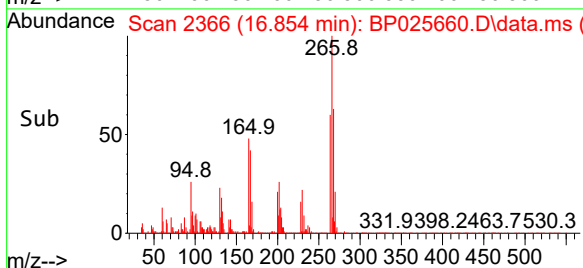
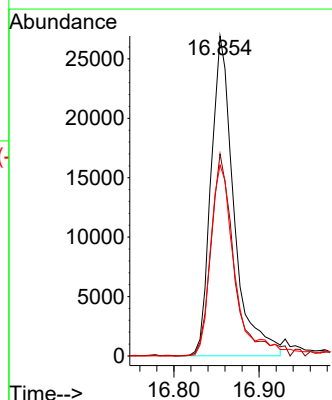
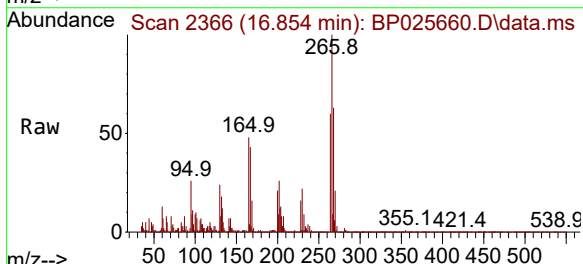
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2025

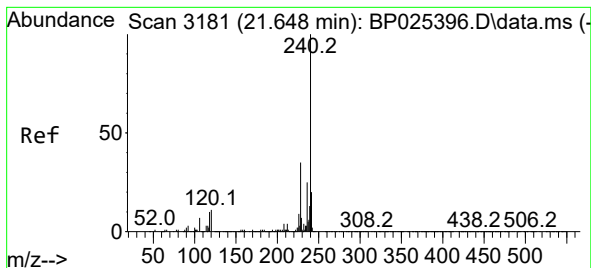
Tgt Ion:198 Resp: 40017
Ion Ratio Lower Upper
198 100
51 45.1 19.6 59.6
105 47.3 20.9 60.9



#70
Pentachlorophenol
Concen: 8.050 ng
RT: 16.854 min Scan# 2366
Delta R.T. 0.012 min
Lab File: BP025660.D
Acq: 04 Sep 2025 14:47

Tgt Ion:266 Resp: 50433
Ion Ratio Lower Upper
266 100
268 63.1 52.6 79.0
264 59.7 52.0 78.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.642 min Scan# 3181

Delta R.T. -0.006 min

Lab File: BP025660.D

Acq: 04 Sep 2025 14:47

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2025

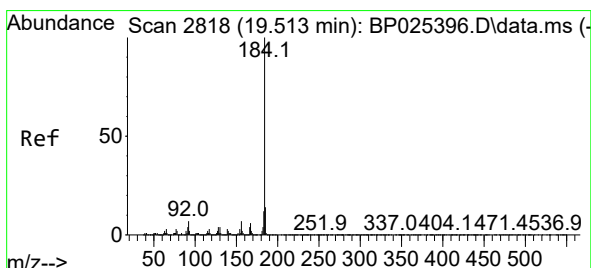
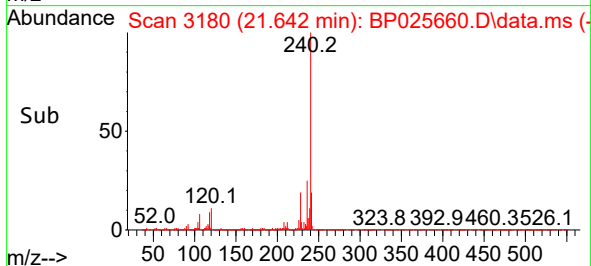
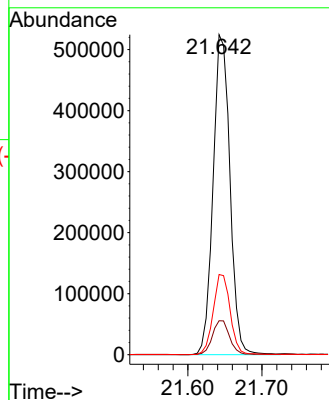
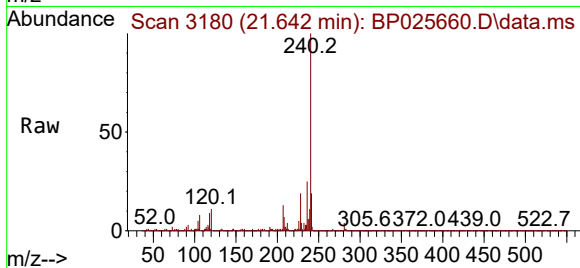
Tgt Ion:240 Resp: 828025

Ion Ratio Lower Upper

240 100

120 10.6 8.9 13.3

236 25.0 19.8 29.8



#77

Benzidine

Concen: 9.496 ng

RT: 19.519 min Scan# 2819

Delta R.T. 0.006 min

Lab File: BP025660.D

Acq: 04 Sep 2025 14:47

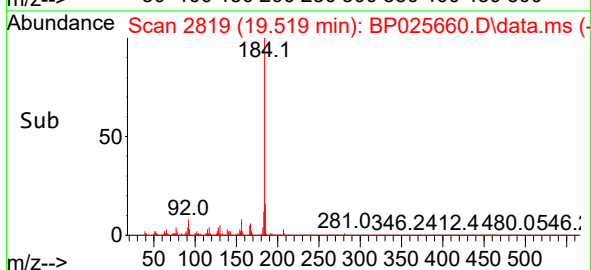
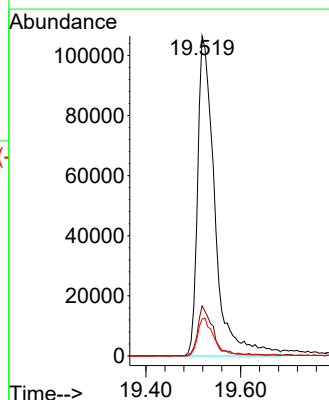
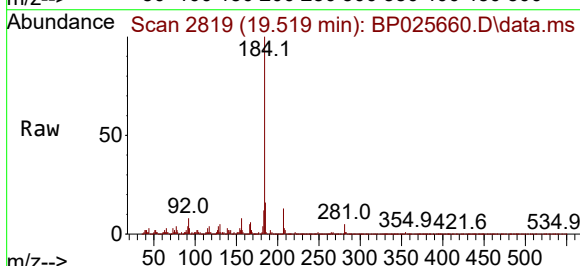
Tgt Ion:184 Resp: 268335

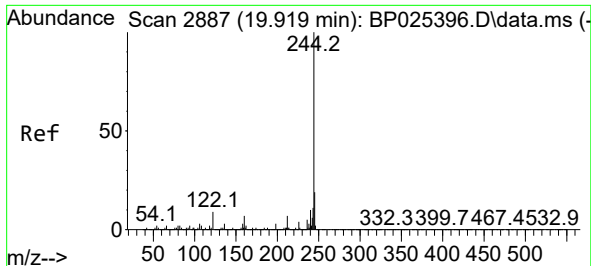
Ion Ratio Lower Upper

184 100

185 15.6 11.5 17.3

183 11.6 9.4 14.2

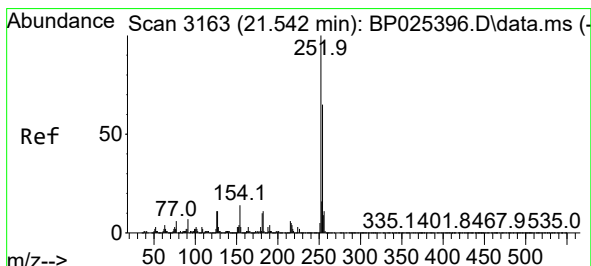
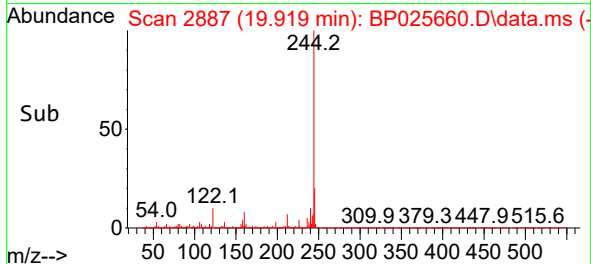
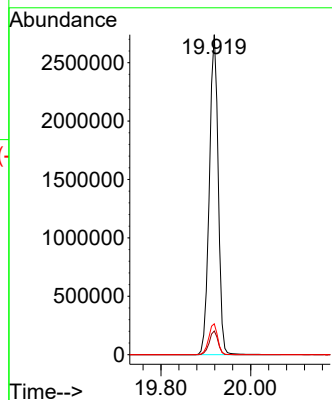
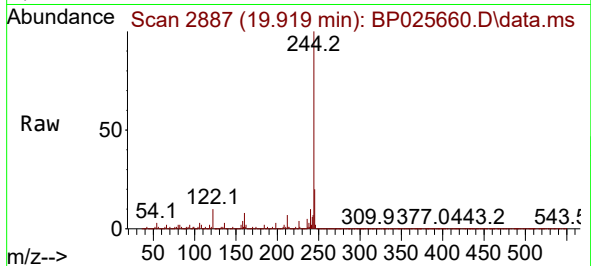




#79
 Terphenyl-d14
 Concen: 82.995 ng
 RT: 19.919 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BP025660.D
 Acq: 04 Sep 2025 14:47

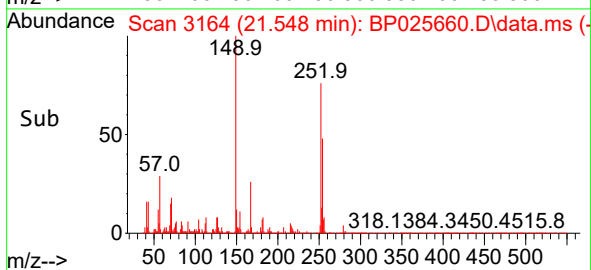
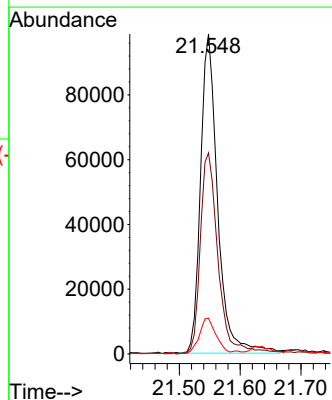
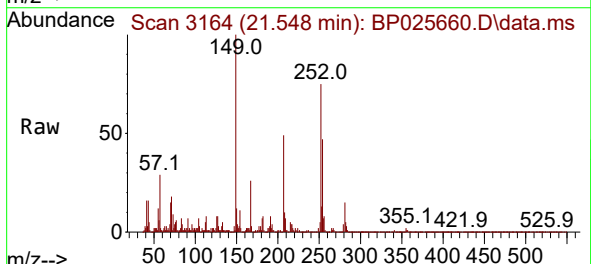
Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT3-2025

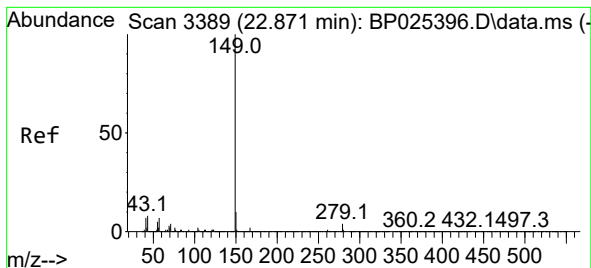
Tgt Ion:244 Resp: 3756167
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.6
 122 9.7 7.4 11.2



#82
 3,3'-Dichlorobenzidine
 Concen: 9.325 ng
 RT: 21.548 min Scan# 3164
 Delta R.T. 0.006 min
 Lab File: BP025660.D
 Acq: 04 Sep 2025 14:47

Tgt Ion:252 Resp: 191945
 Ion Ratio Lower Upper
 252 100
 254 62.8 51.8 77.6
 126 11.2 9.1 13.7





#85

Di-n-octyl phthalate

Concen: 9.256 ng

RT: 22.842 min Scan# 31

Delta R.T. -0.029 min

Lab File: BP025660.D

Acq: 04 Sep 2025 14:47

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2025

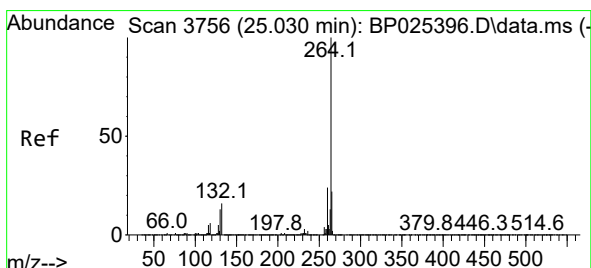
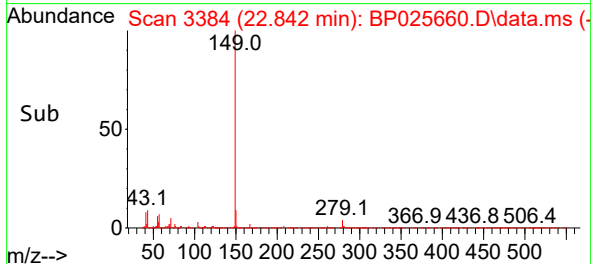
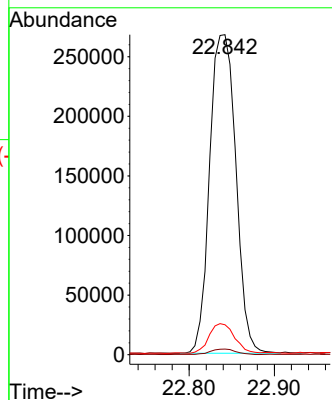
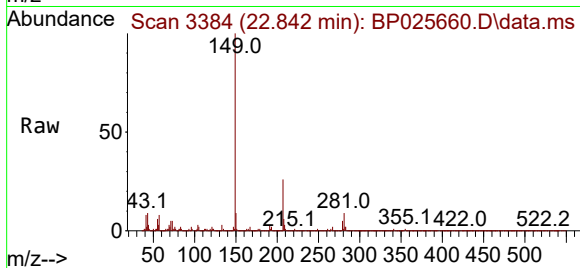
Tgt Ion:149 Resp: 571655

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 9.2 6.3 9.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.024 min Scan# 3755

Delta R.T. -0.006 min

Lab File: BP025660.D

Acq: 04 Sep 2025 14:47

Tgt Ion:264 Resp: 922045

Ion Ratio Lower Upper

264 100

260 23.5 19.3 28.9

265 22.1 17.4 26.0

