

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)

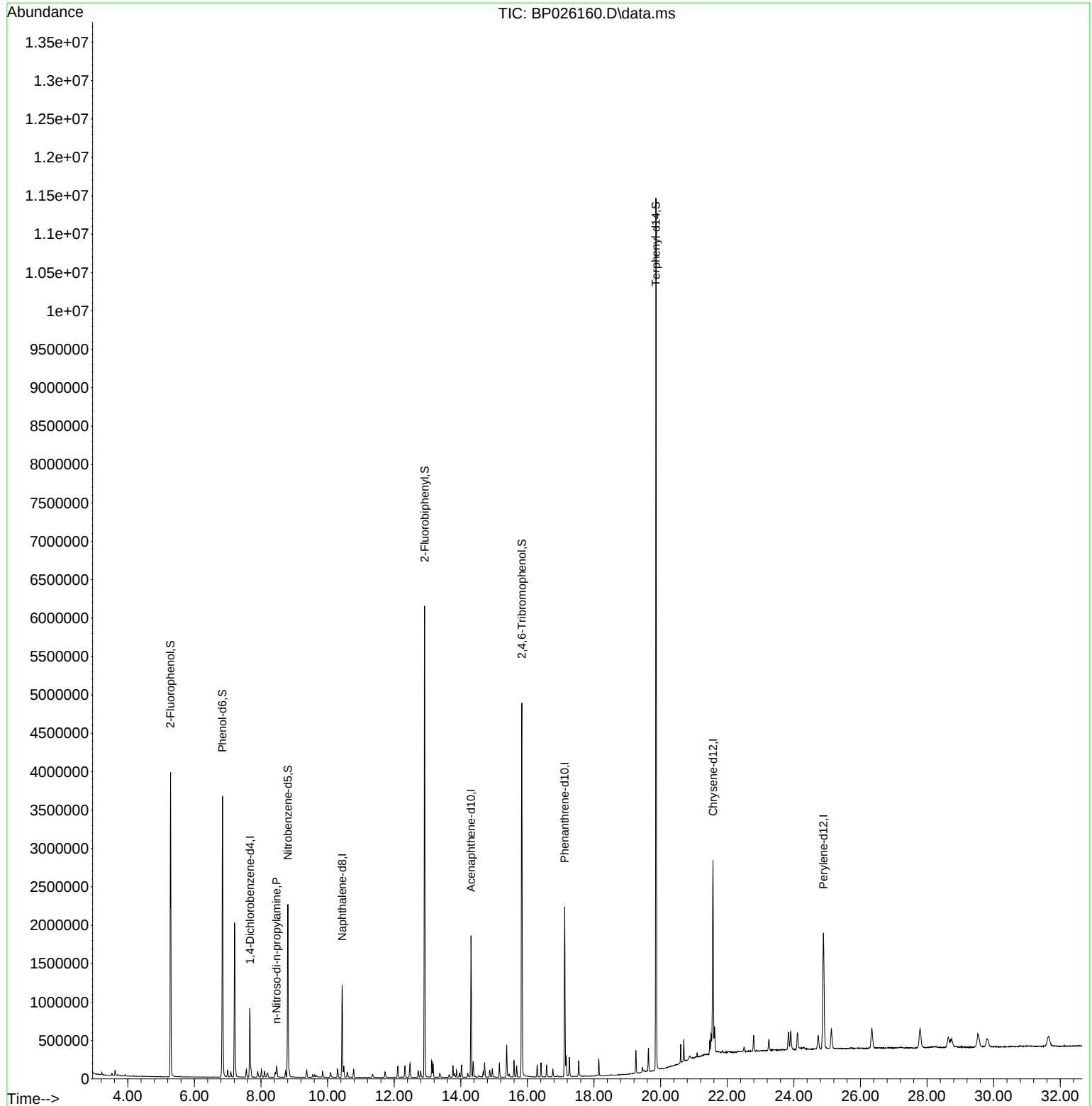
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.666	152	251618	20.000	ng	0.00
21) Naphthalene-d8	10.437	136	999923	20.000	ng	-0.01
39) Acenaphthene-d10	14.307	164	643248	20.000	ng	-0.02
64) Phenanthrene-d10	17.119	188	1353294	20.000	ng	-0.01
76) Chrysene-d12	21.572	240	1535477	20.000	ng	0.00
86) 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						
19) n-Nitroso-di-n-propyla...	8.466	70	25382	2.047	ng	Qvalue 98

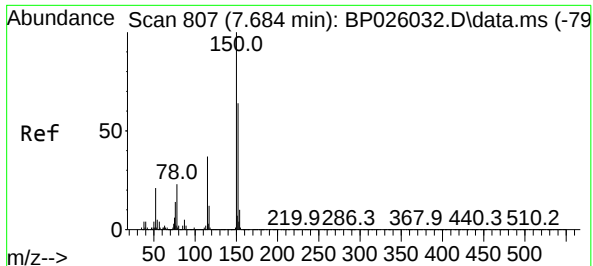
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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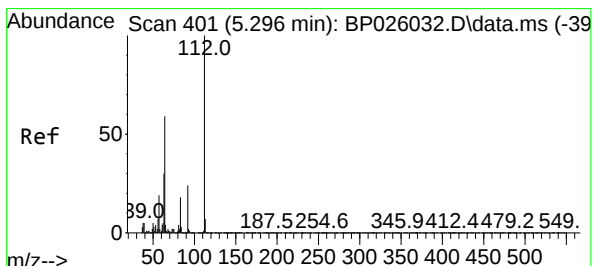
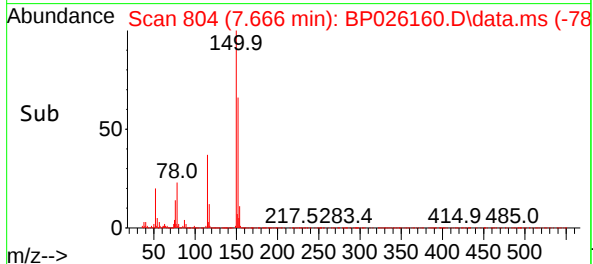
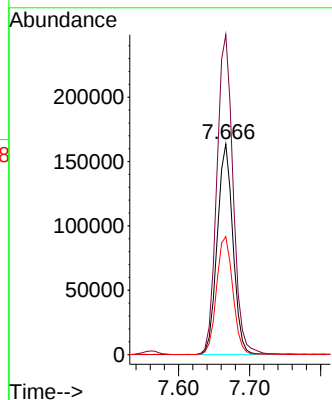
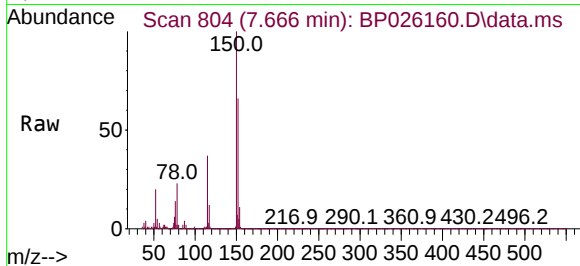




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.666 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP026160.D
Acq: 19 Nov 2025 16:11

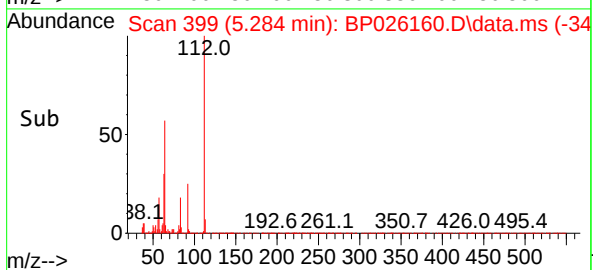
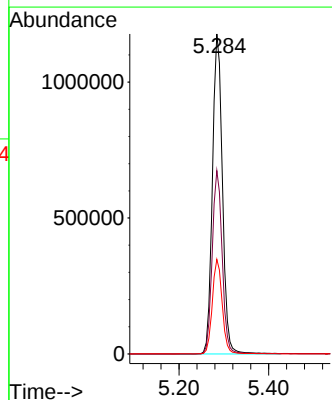
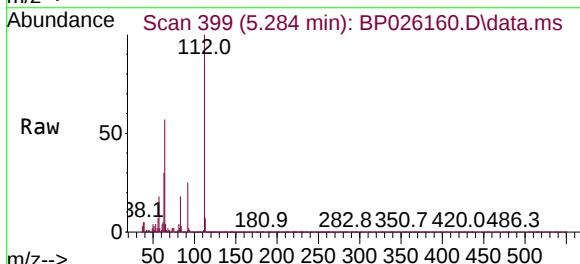
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2025

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



#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

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

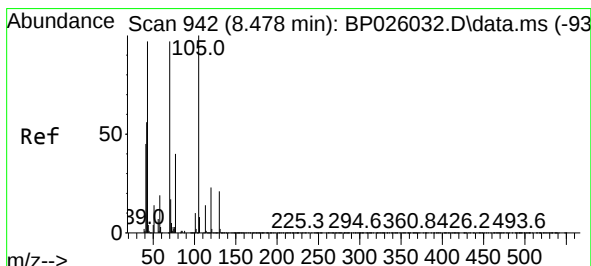
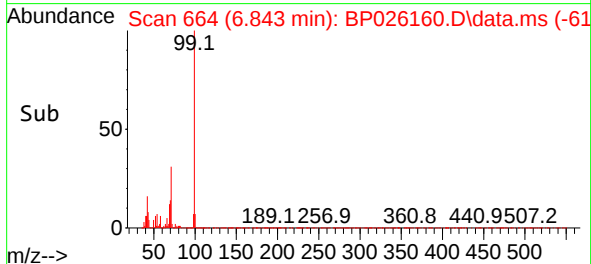
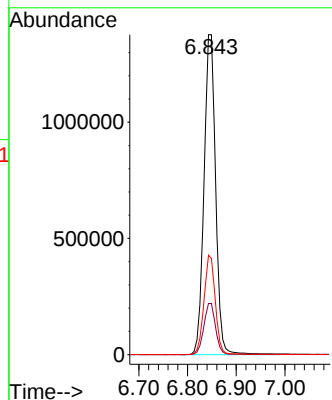
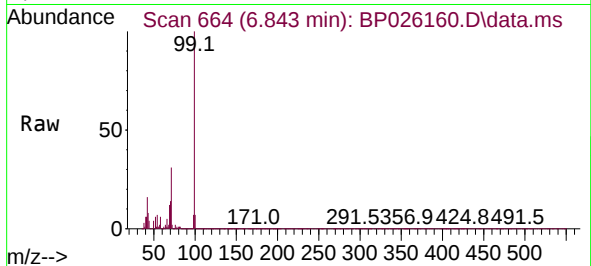




#7
Phenol-d6
Concen: 114.531 ng
RT: 6.843 min Scan# 60
Delta R.T. -0.012 min
Lab File: BP026160.D
Acq: 19 Nov 2025 16:11

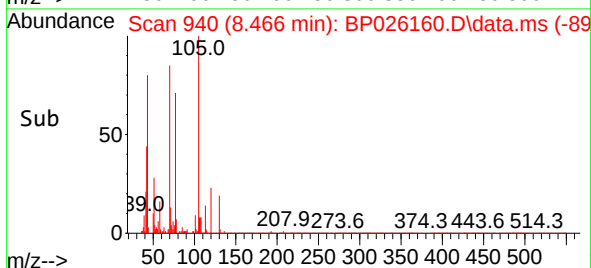
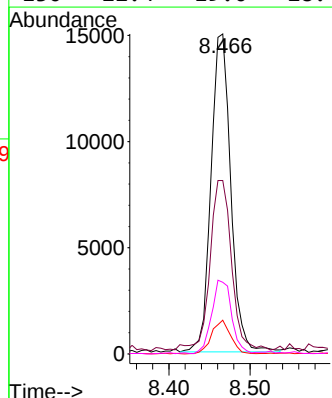
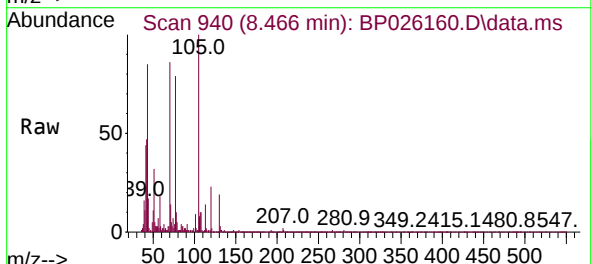
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2025

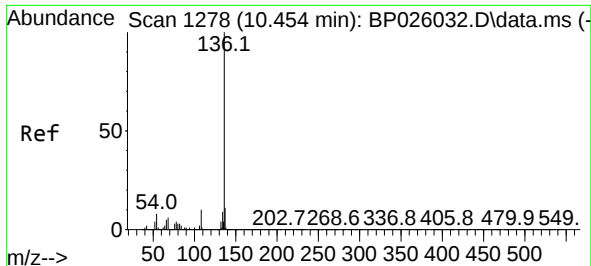
Tgt Ion: 99 Resp: 2285712
Ion Ratio Lower Upper
99 100
42 16.0 12.9 19.3
71 31.1 24.8 37.2



#19
n-Nitroso-di-n-propylamine
Concen: 2.047 ng
RT: 8.466 min Scan# 940
Delta R.T. -0.006 min
Lab File: BP026160.D
Acq: 19 Nov 2025 16:11

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

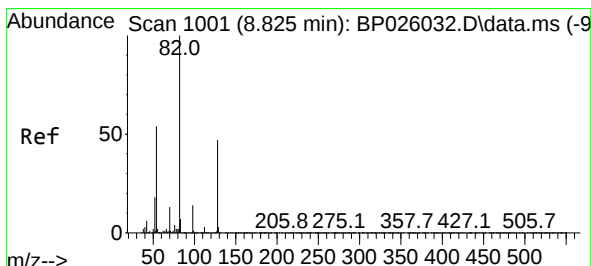
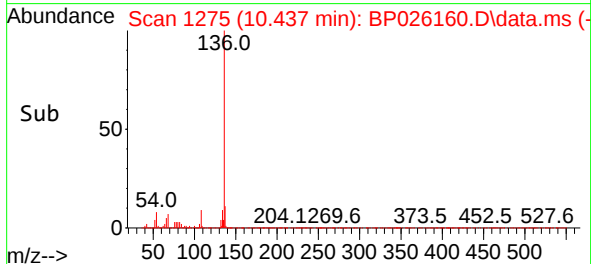
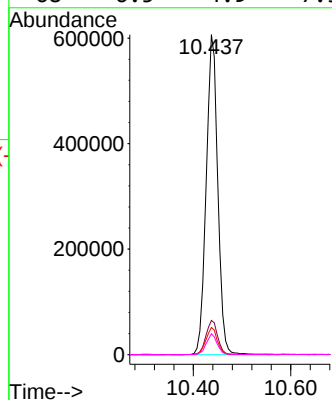
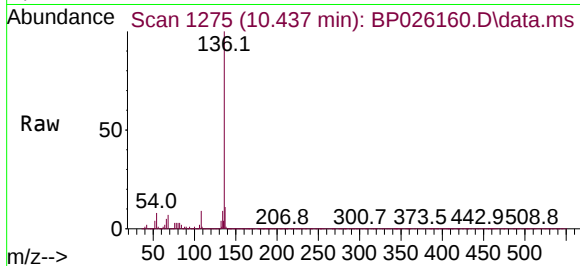




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.437 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP026160.D
Acq: 19 Nov 2025 16:11

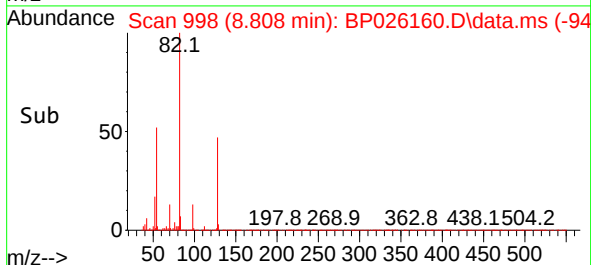
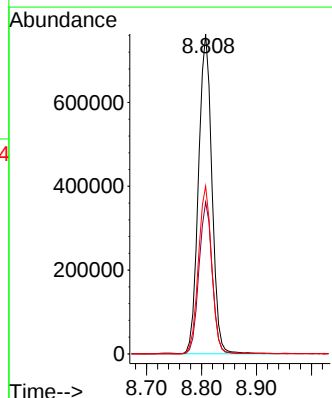
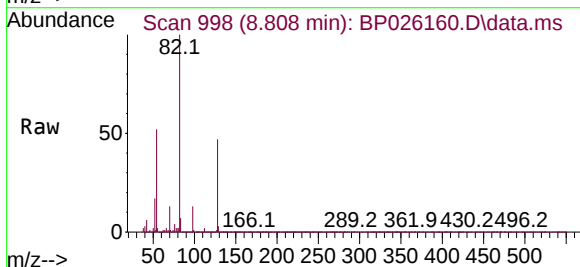
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2025

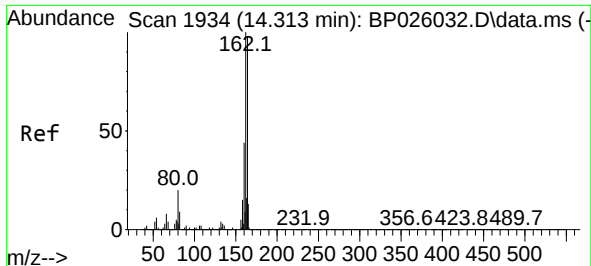
Tgt Ion:	136	Resp:	999923
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.7	13.1
54	8.5	6.4	9.6
68	6.5	4.9	7.3



#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

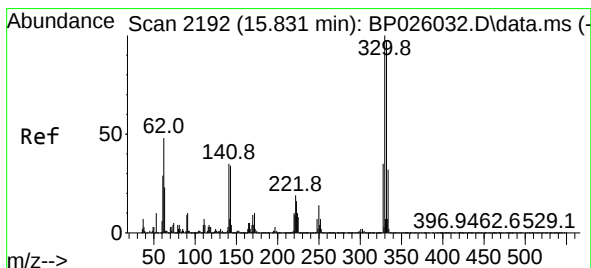
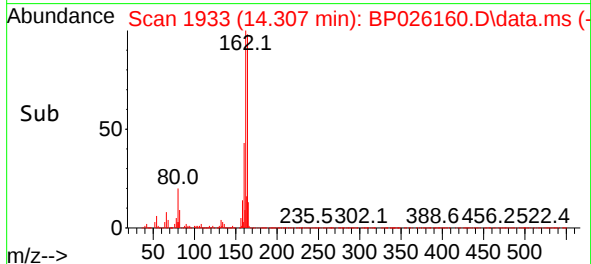
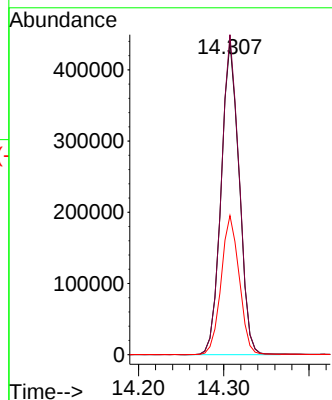
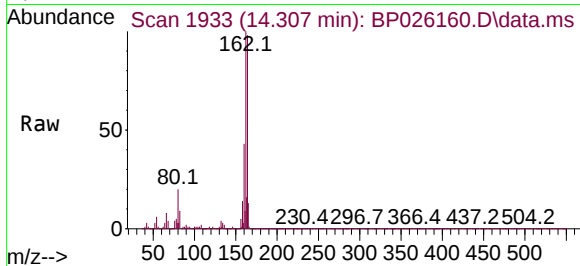




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.307 min Scan# 1934
Delta R.T. -0.017 min
Lab File: BP026160.D
Acq: 19 Nov 2025 16:11

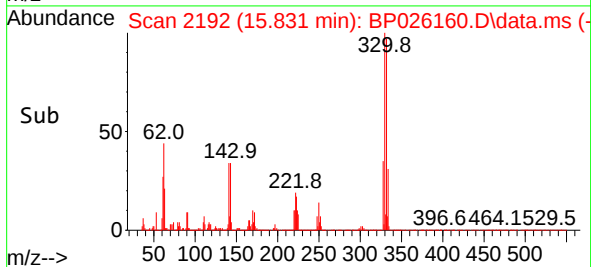
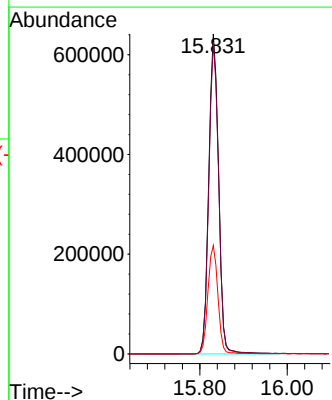
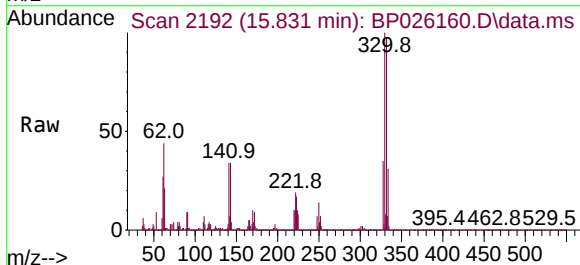
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2025

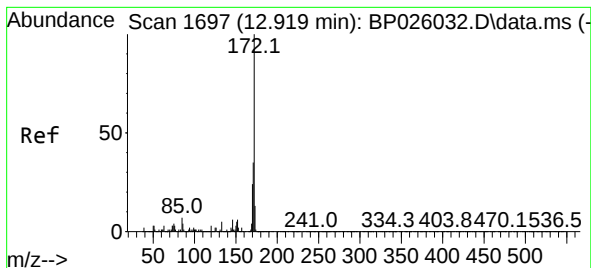
Tgt Ion:164 Resp: 643248
Ion Ratio Lower Upper
164 100
162 102.3 80.3 120.5
160 44.4 35.2 52.8



#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# 1697

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

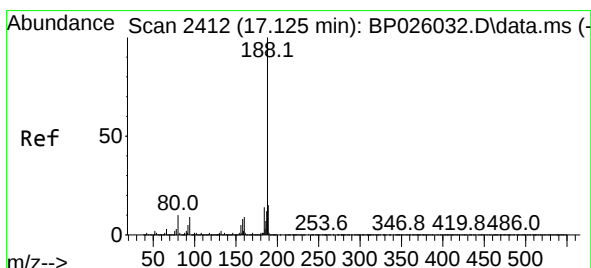
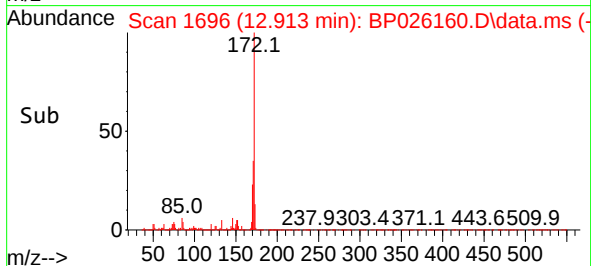
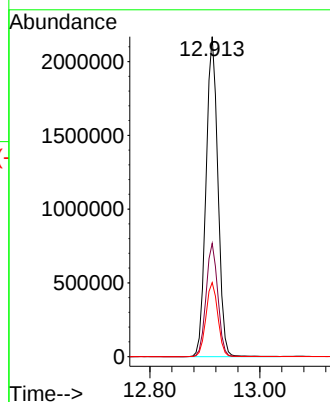
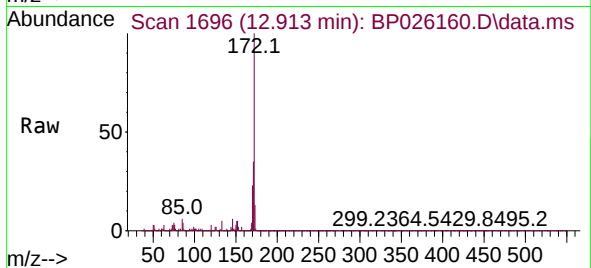
Tgt Ion:172 Resp: 3253317

Ion Ratio Lower Upper

172 100

171 35.4 28.2 42.4

170 23.2 18.7 28.1



#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

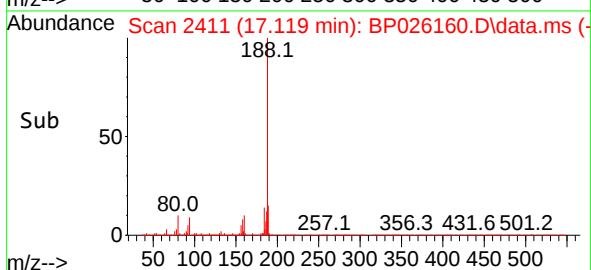
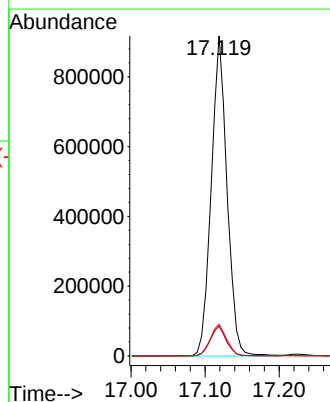
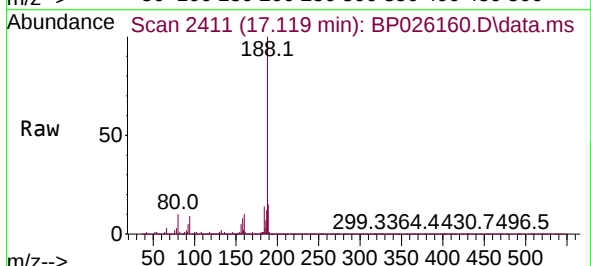
Tgt Ion:188 Resp: 1353294

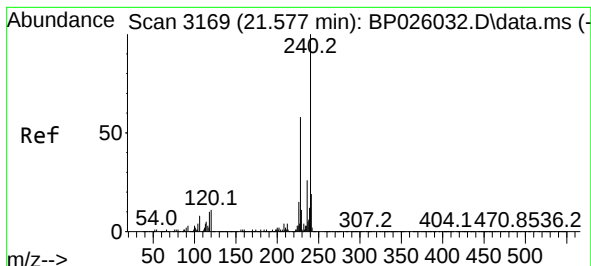
Ion Ratio Lower Upper

188 100

94 9.3 7.8 11.6

80 9.9 8.2 12.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.572 min Scan# 31

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

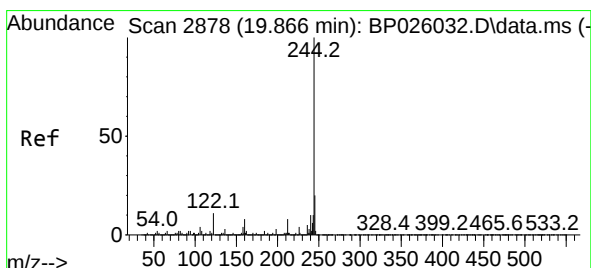
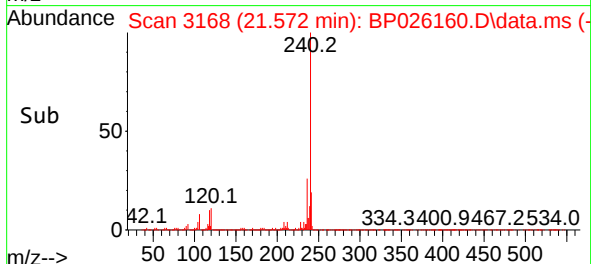
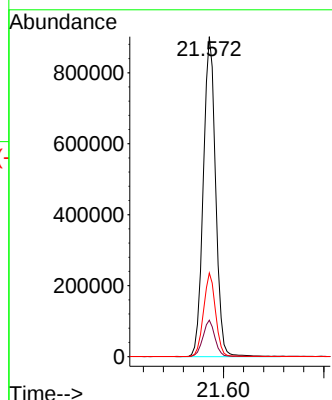
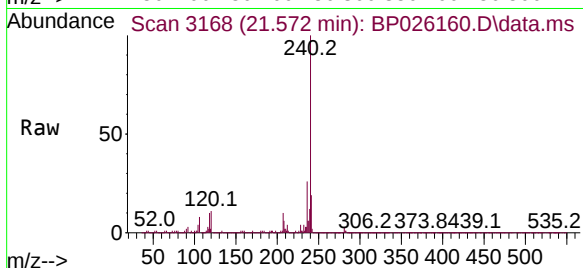
Tgt Ion:240 Resp: 1535477

Ion Ratio Lower Upper

240 100

120 11.4 9.0 13.4

236 26.1 20.4 30.6



#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

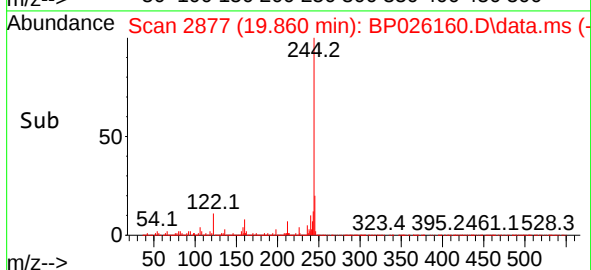
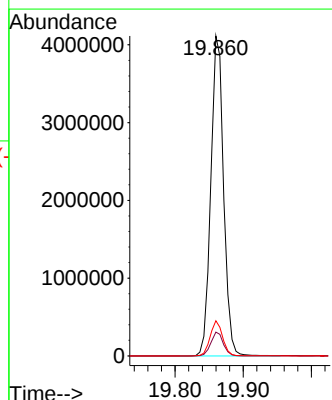
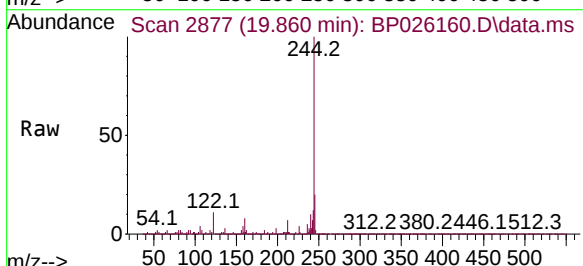
Tgt Ion:244 Resp: 5351923

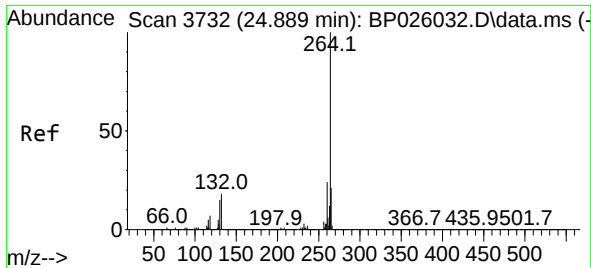
Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

122 11.0 8.2 12.2





#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

