

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
 Data File : BP025385.D
 Acq On : 13 Aug 2025 15:27
 Operator : CG/JU
 Sample : Q2820-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SOIL-DUP-1

Quant Time: Aug 13 15:46:30 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 06 06:41:44 2025
 Response via : Initial Calibration

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

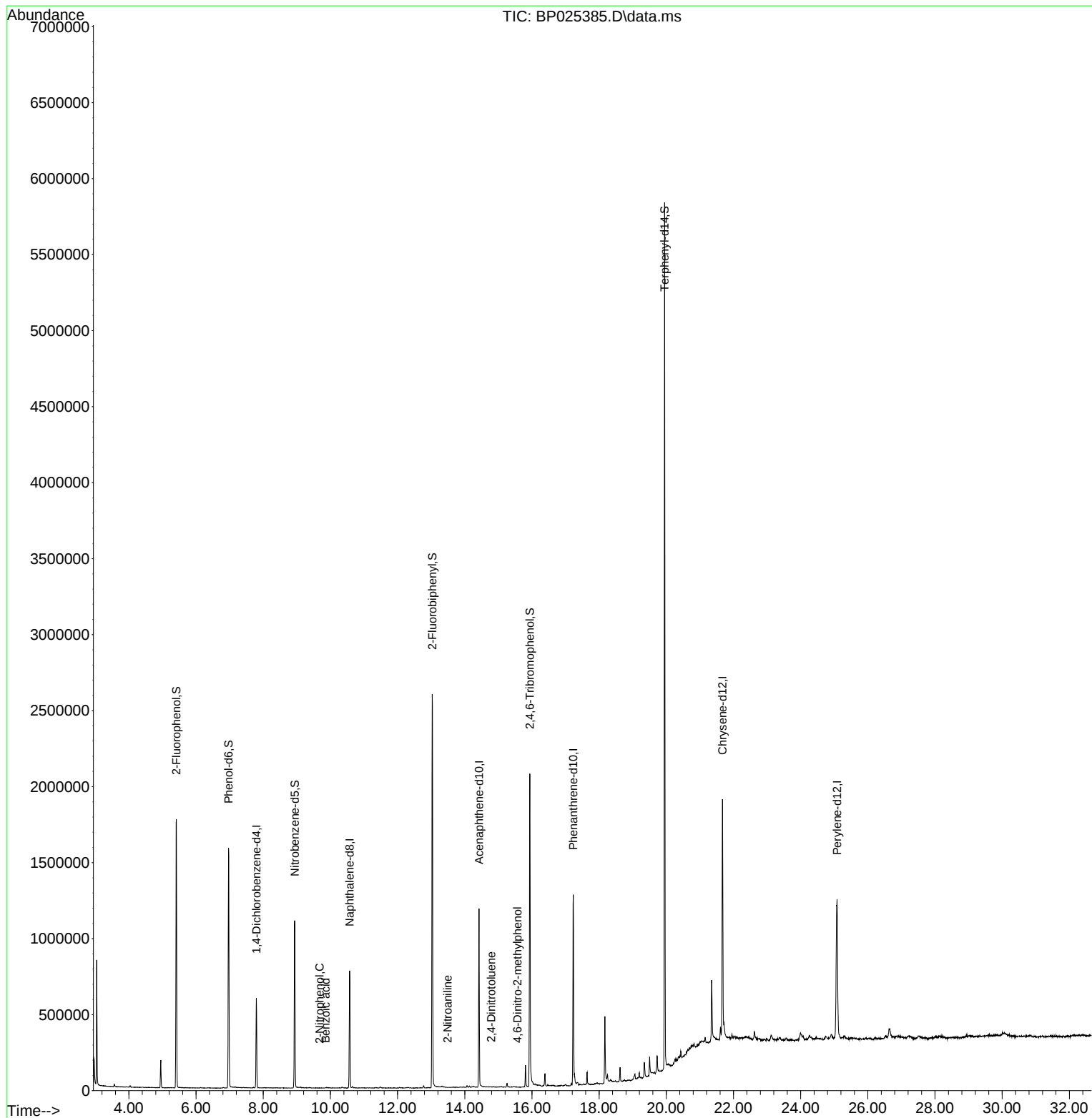
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.796	152	167625	20.000	ng	0.00
21) Naphthalene-d8	10.572	136	647929	20.000	ng	0.00
39) Acenaphthene-d10	14.425	164	392291	20.000	ng	0.00
64) Phenanthrene-d10	17.231	188	809211	20.000	ng	0.00
76) Chrysene-d12	21.672	240	934018	20.000	ng	0.01
86) Perylene-d12	25.083	264	1049269	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.414	112	801909	76.943	ng	0.00
7) Phenol-d6	6.967	99	951316	69.357	ng	0.00
23) Nitrobenzene-d5	8.937	82	620072	53.019	ng	0.00
42) 2,4,6-Tribromophenol	15.937	330	437140	111.699	ng	0.01
45) 2-Fluorobiphenyl	13.031	172	1466096	51.619	ng	0.00
79) Terphenyl-d14	19.948	244	2593464	52.445	ng	0.00
Target Compounds						
						Qvalue
26) 2-Nitrophenol	9.678	139	71	3.652	ng	# 65
32) Benzoic acid	9.855	122	310	6.010	ng	# 82
48) 2-Nitroaniline	13.490	65	254	3.001	ng	# 36
57) 2,4-Dinitrotoluene	14.790	165	612	3.325	ng	# 82
65) 4,6-Dinitro-2-methylph...	15.566	198	71	4.858	ng	# 1

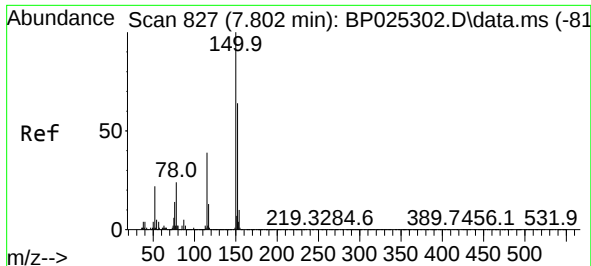
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025385.D
Acq On : 13 Aug 2025 15:27
Operator : CG/JU
Sample : Q2820-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-DUP-1

Quant Time: Aug 13 15:46:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

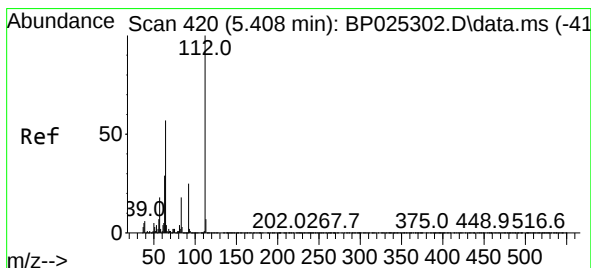
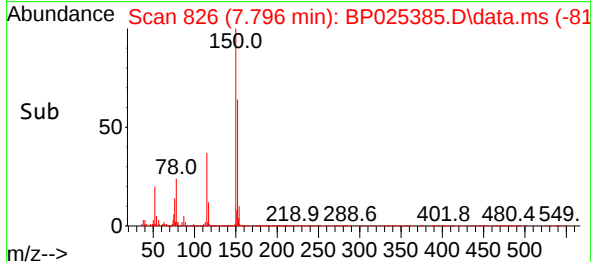
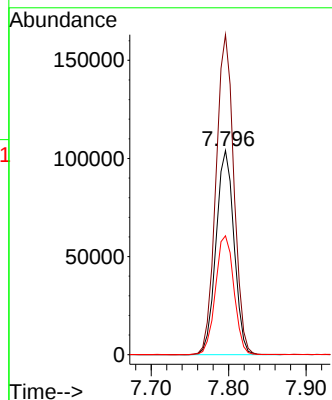
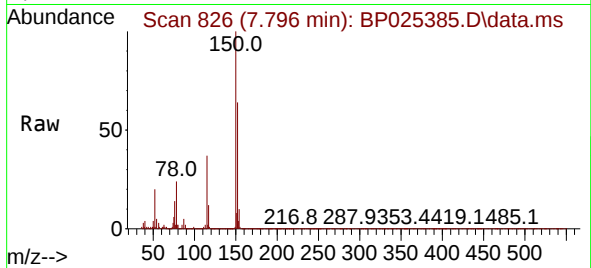




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.796 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025385.D
Acq: 13 Aug 2025 15:27

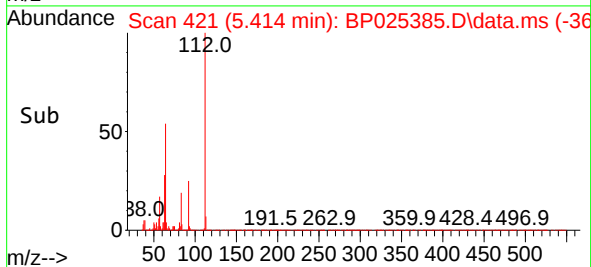
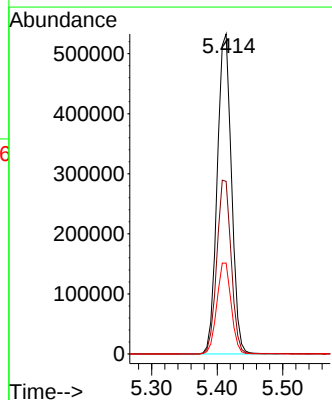
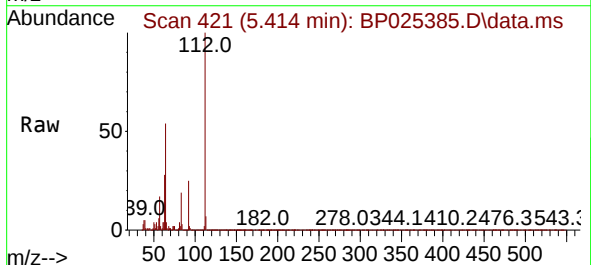
Instrument :
BNA_P
ClientSampleId :
SOIL-DUP-1

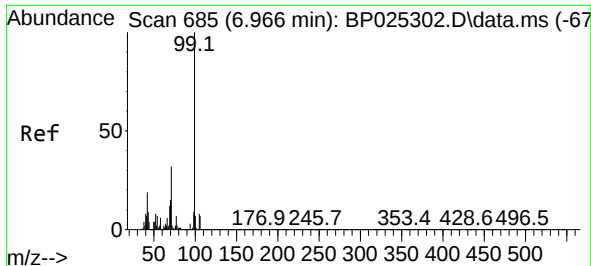
Tgt Ion:152 Resp: 167625
Ion Ratio Lower Upper
152 100
150 156.8 125.1 187.7
115 58.2 48.4 72.6



#5
2-Fluorophenol
Concen: 76.943 ng
RT: 5.414 min Scan# 421
Delta R.T. 0.006 min
Lab File: BP025385.D
Acq: 13 Aug 2025 15:27

Tgt Ion:112 Resp: 801909
Ion Ratio Lower Upper
112 100
64 54.0 45.3 67.9
63 28.4 23.0 34.6

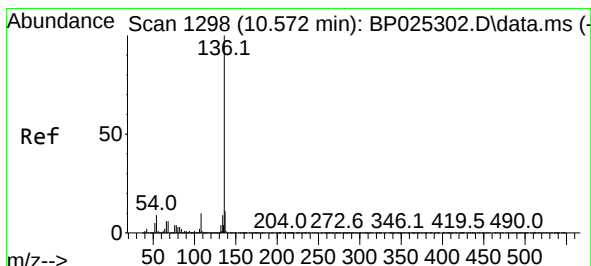
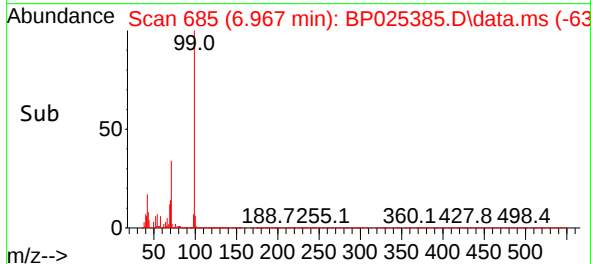
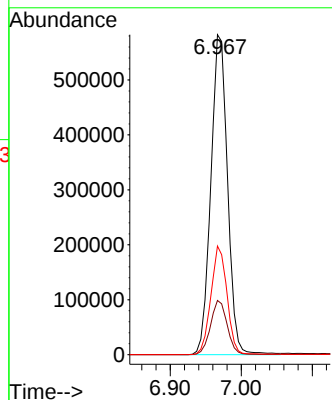
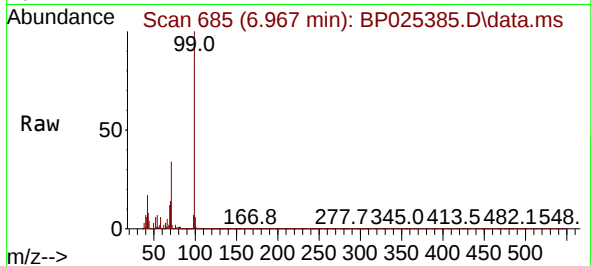




#7
Phenol-d6
Concen: 69.357 ng
RT: 6.967 min Scan# 685
Delta R.T. 0.001 min
Lab File: BP025385.D
Acq: 13 Aug 2025 15:27

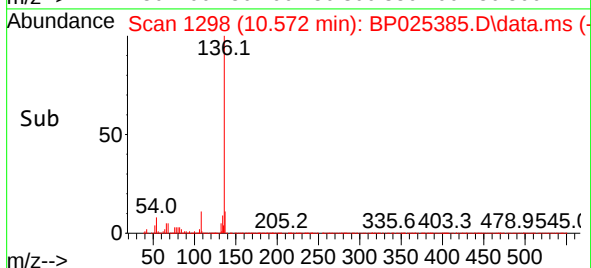
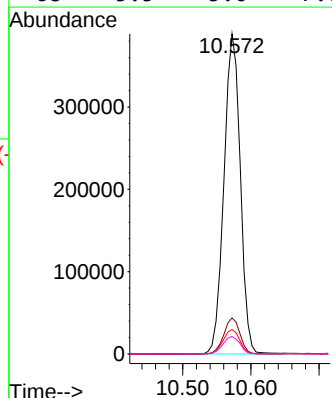
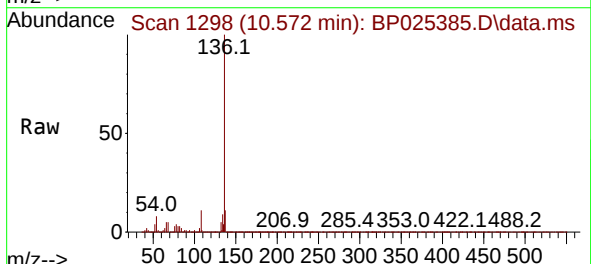
Instrument :
BNA_P
ClientSampleId :
SOIL-DUP-1

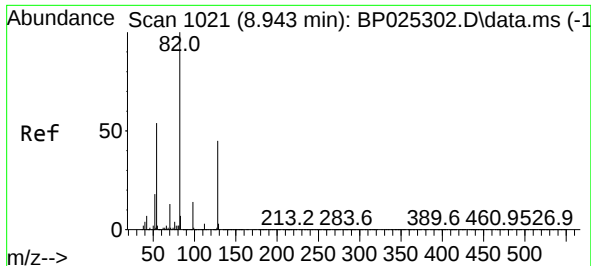
Tgt Ion:	99	Resp:	951316
Ion	Ratio	Lower	Upper
99	100		
42	16.9	15.0	22.6
71	33.9	25.5	38.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BP025385.D
Acq: 13 Aug 2025 15:27

Tgt Ion:	136	Resp:	647929
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	7.6	7.0	10.6
68	5.5	5.0	7.6

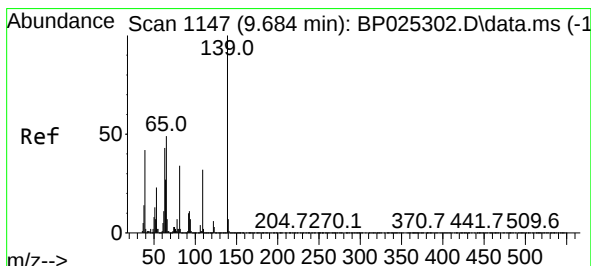
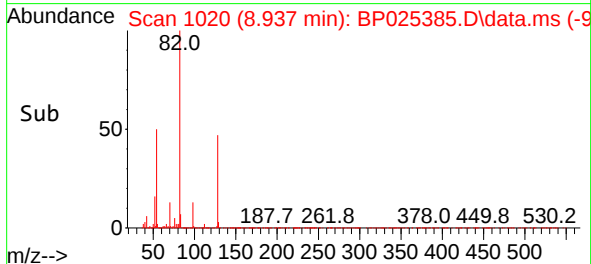
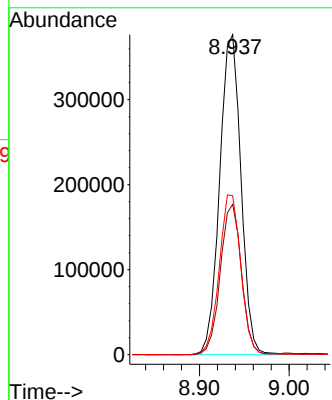
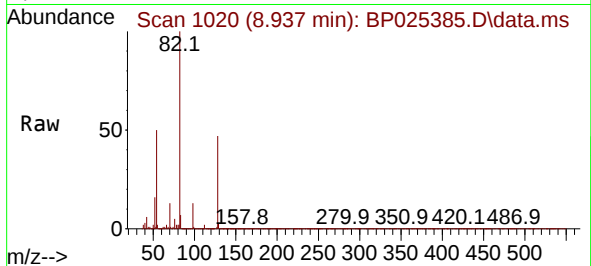




#23
Nitrobenzene-d5
Concen: 53.019 ng
RT: 8.937 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BP025385.D
Acq: 13 Aug 2025 15:27

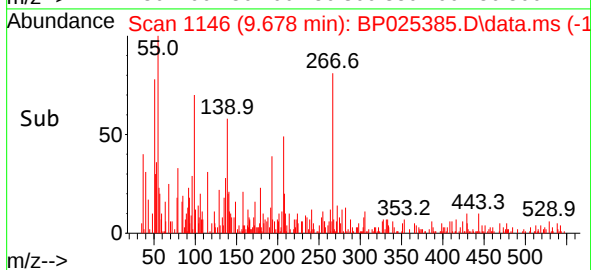
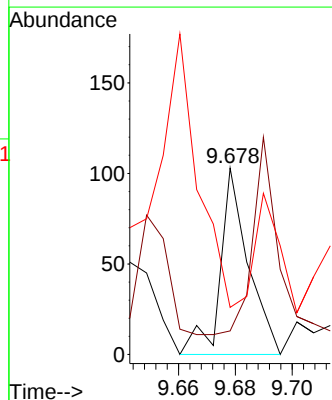
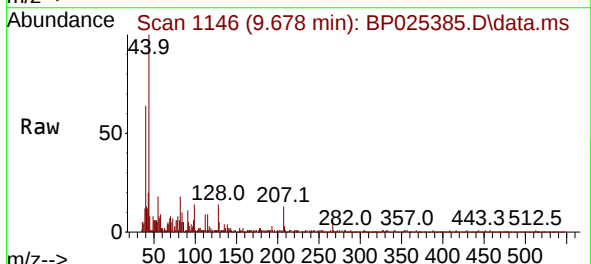
Instrument :
BNA_P
ClientSampleId :
SOIL-DUP-1

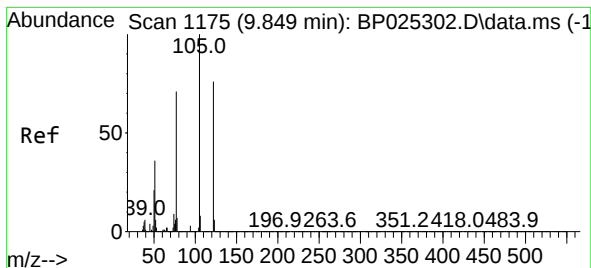
Tgt Ion: 82 Resp: 620072
Ion Ratio Lower Upper
82 100
128 47.0 35.4 53.2
54 49.6 42.9 64.3



#26
2-Nitrophenol
Concen: 3.652 ng
RT: 9.678 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BP025385.D
Acq: 13 Aug 2025 15:27

Tgt Ion: 139 Resp: 71
Ion Ratio Lower Upper
139 100
109 12.6 25.2 37.8#
65 25.2 39.6 59.4#





#32

Benzoic acid

Concen: 6.010 ng

RT: 9.855 min Scan# 1176

Delta R.T. 0.006 min

Lab File: BP025385.D

Acq: 13 Aug 2025 15:27

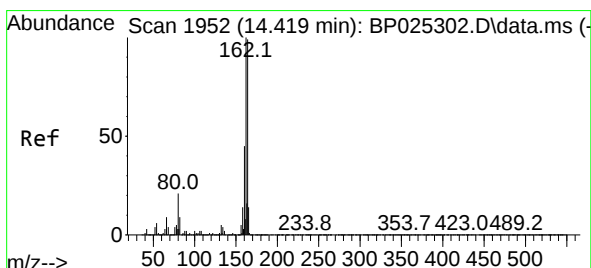
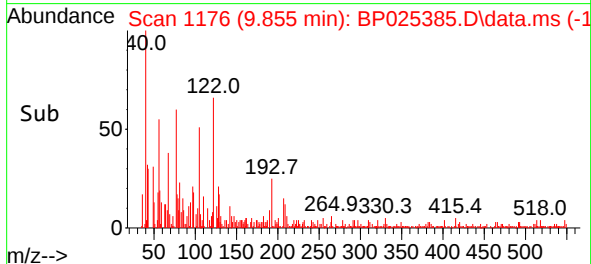
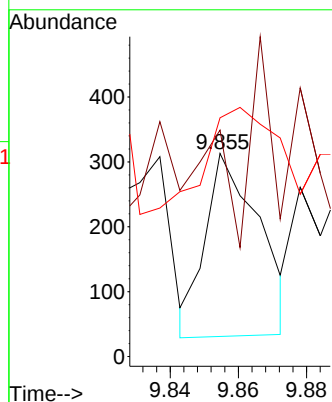
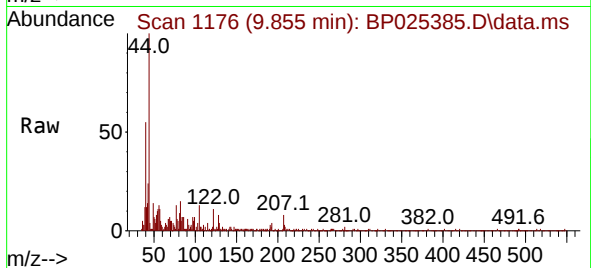
Instrument :

BNA_P

ClientSampleId :

SOIL-DUP-1

Tgt Ion:	122	Resp:	310
Ion	Ratio	Lower	Upper
122	100		
105	111.5	104.0	144.0
77	117.6	71.8	111.8



#39

Acenaphthene-d10

Concen: 20.000 ng

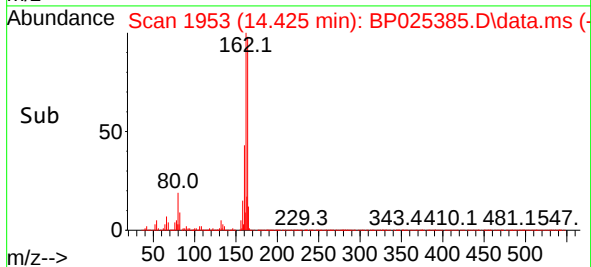
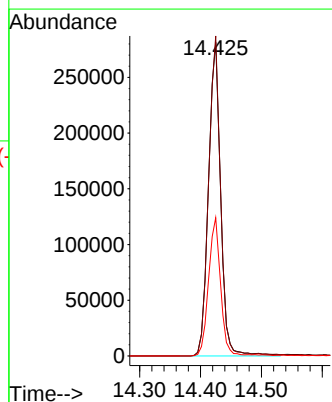
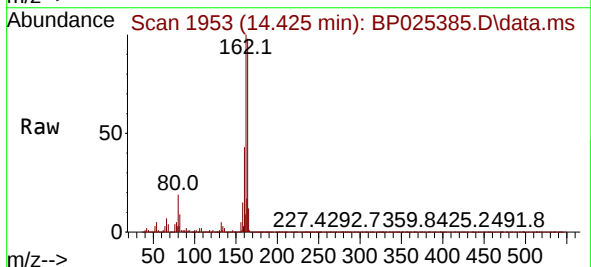
RT: 14.425 min Scan# 1953

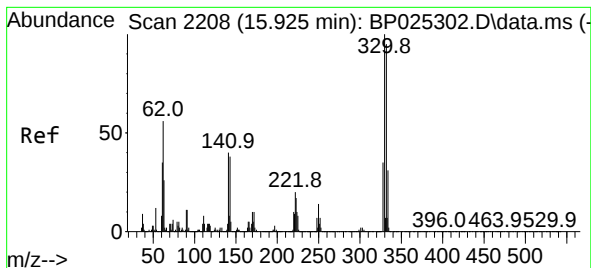
Delta R.T. 0.006 min

Lab File: BP025385.D

Acq: 13 Aug 2025 15:27

Tgt Ion:	164	Resp:	392291
Ion	Ratio	Lower	Upper
164	100		
162	102.0	80.6	120.8
160	44.1	35.9	53.9





#42

2,4,6-Tribromophenol

Concen: 111.699 ng

RT: 15.937 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP025385.D

Acq: 13 Aug 2025 15:27

Instrument :

BNA_P

ClientSampleId :

SOIL-DUP-1

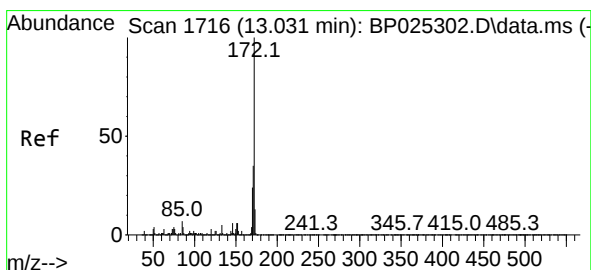
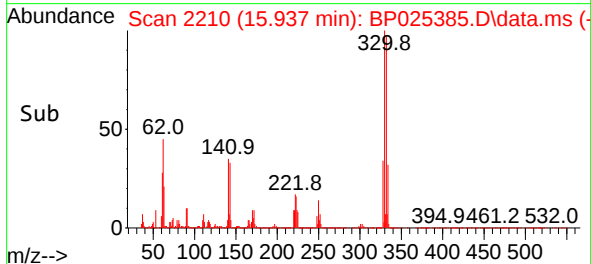
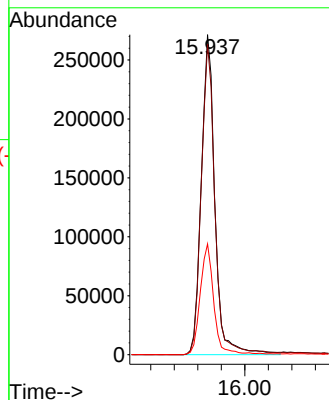
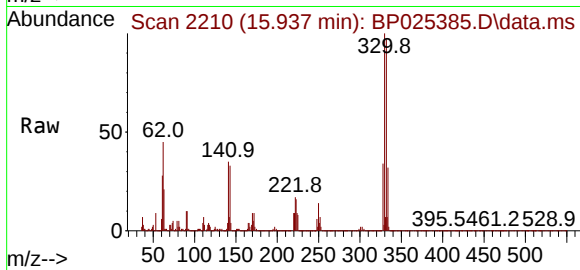
Tgt Ion:330 Resp: 437140

Ion Ratio Lower Upper

330 100

332 97.1 77.4 116.0

141 34.6 31.7 47.5



#45

2-Fluorobiphenyl

Concen: 51.619 ng

RT: 13.031 min Scan# 1716

Delta R.T. -0.000 min

Lab File: BP025385.D

Acq: 13 Aug 2025 15:27

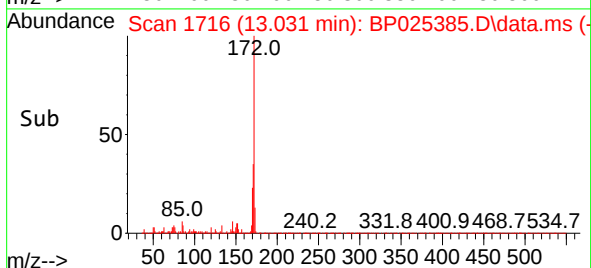
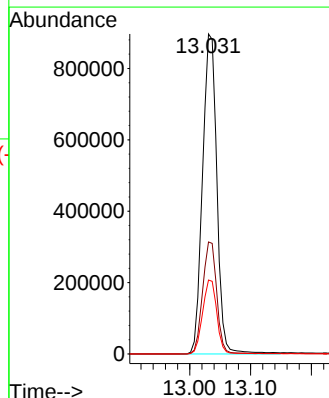
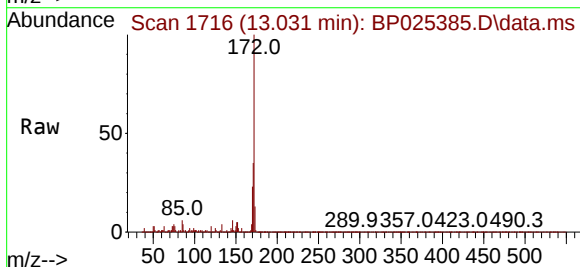
Tgt Ion:172 Resp: 1466096

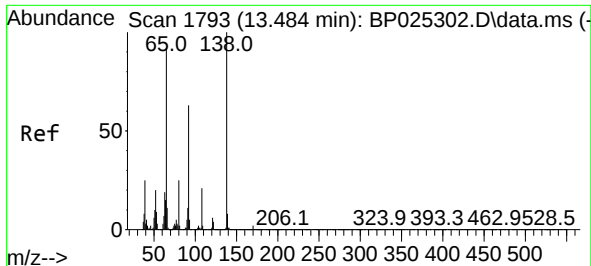
Ion Ratio Lower Upper

172 100

171 35.0 27.9 41.9

170 23.1 18.9 28.3

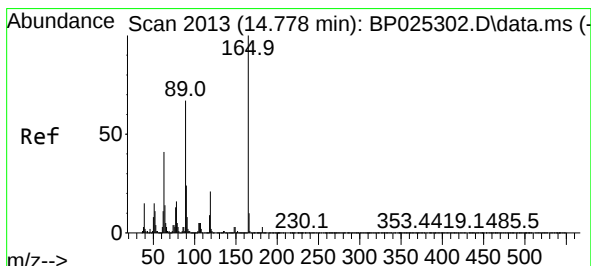
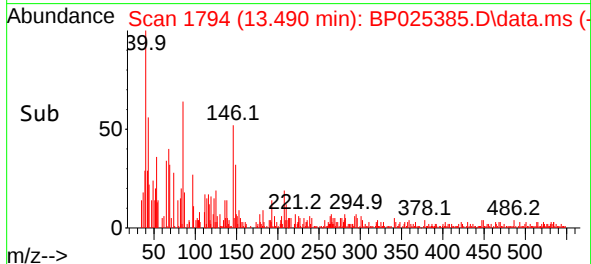
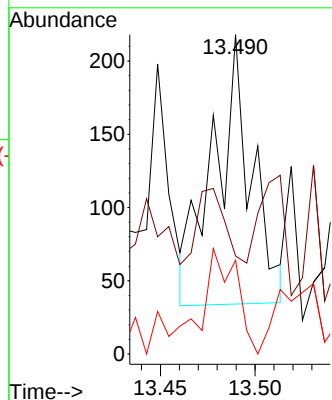
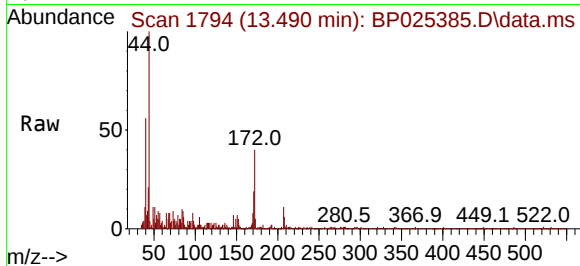




#48
2-Nitroaniline
Concen: 3.001 ng
RT: 13.490 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP025385.D
Acq: 13 Aug 2025 15:27

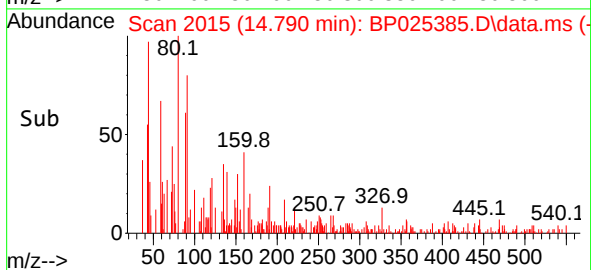
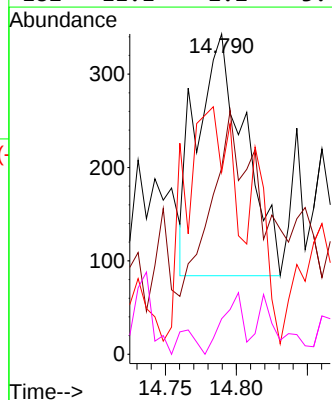
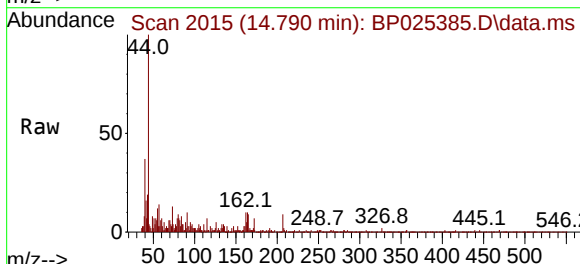
Instrument :
BNA_P
ClientSampleId :
SOIL-DUP-1

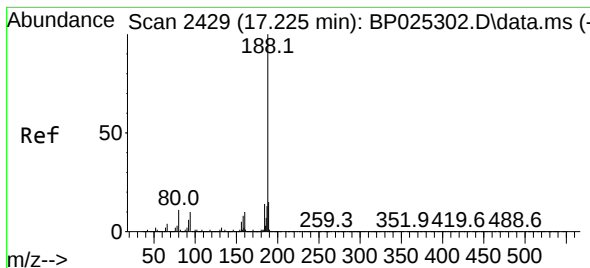
Tgt Ion: 65 Resp: 254
Ion Ratio Lower Upper
65 100
92 30.7 54.4 81.6#
138 29.4 87.0 130.4#



#57
2,4-Dinitrotoluene
Concen: 3.325 ng
RT: 14.790 min Scan# 2015
Delta R.T. 0.012 min
Lab File: BP025385.D
Acq: 13 Aug 2025 15:27

Tgt Ion: 165 Resp: 612
Ion Ratio Lower Upper
165 100
63 58.0 33.2 49.8#
89 56.9 53.5 80.3
182 11.1 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.231 min Scan# 24

Delta R.T. 0.006 min

Lab File: BP025385.D

Acq: 13 Aug 2025 15:27

Instrument :

BNA_P

ClientSampleId :

SOIL-DUP-1

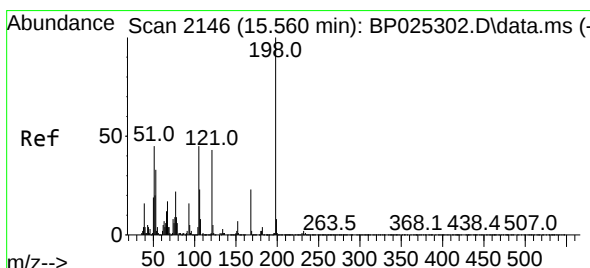
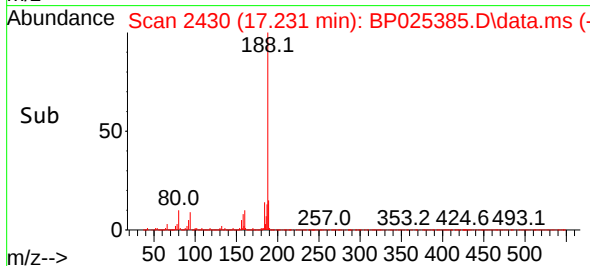
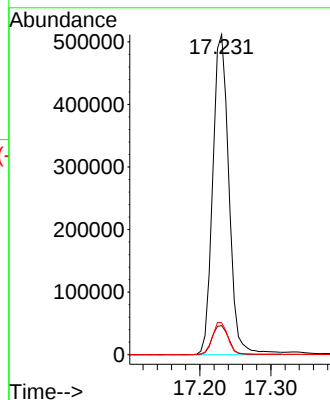
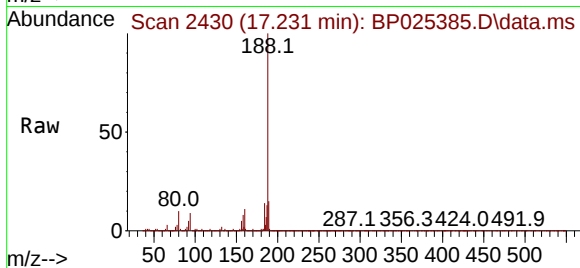
Tgt Ion:188 Resp: 809211

Ion Ratio Lower Upper

188 100

94 9.1 8.0 12.0

80 10.0 8.5 12.7



#65

4,6-Dinitro-2-methylphenol

Concen: 4.858 ng

RT: 15.566 min Scan# 2147

Delta R.T. 0.006 min

Lab File: BP025385.D

Acq: 13 Aug 2025 15:27

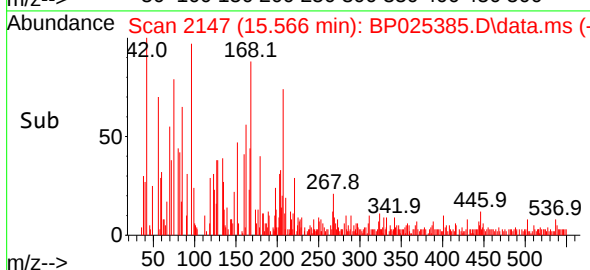
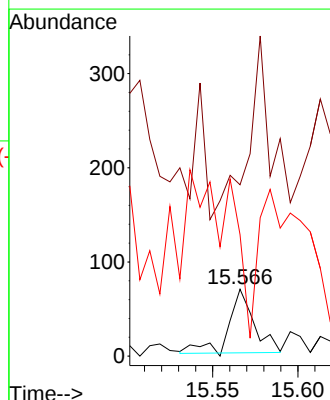
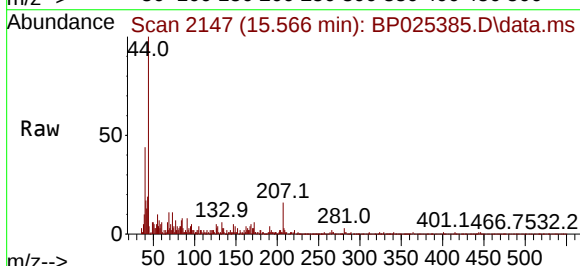
Tgt Ion:198 Resp: 71

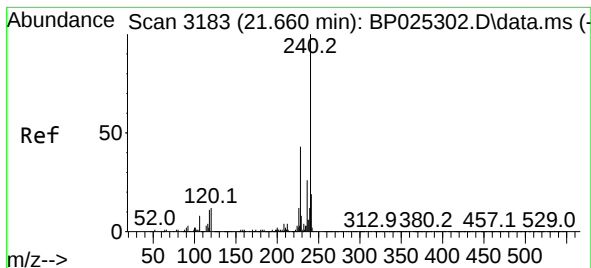
Ion Ratio Lower Upper

198 100

51 256.3 26.7 66.7#

105 181.7 25.6 65.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.672 min Scan# 3185

Delta R.T. 0.012 min

Lab File: BP025385.D

Acq: 13 Aug 2025 15:27

Instrument :

BNA_P

ClientSampleId :

SOIL-DUP-1

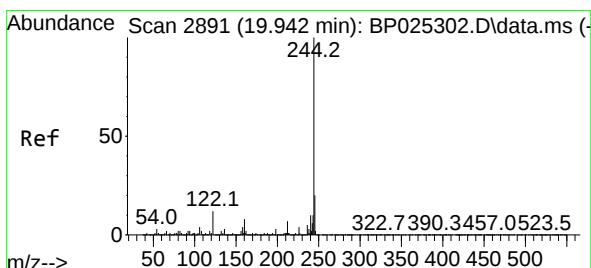
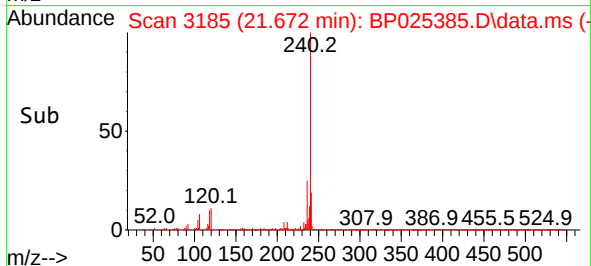
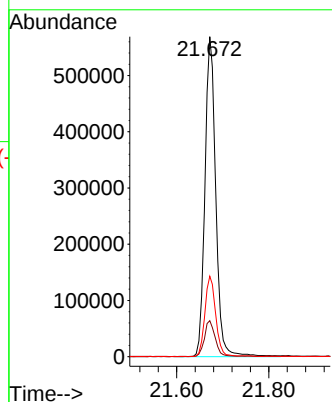
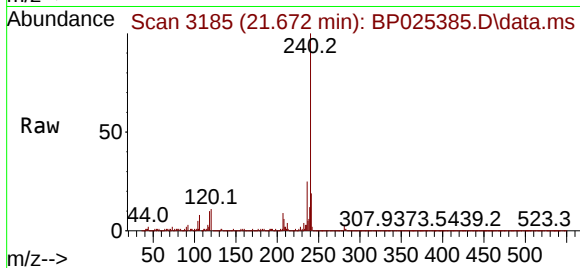
Tgt Ion:240 Resp: 934018

Ion Ratio Lower Upper

240 100

120 11.3 9.6 14.4

236 25.2 20.4 30.6



#79

Terphenyl-d14

Concen: 52.445 ng

RT: 19.948 min Scan# 2892

Delta R.T. 0.006 min

Lab File: BP025385.D

Acq: 13 Aug 2025 15:27

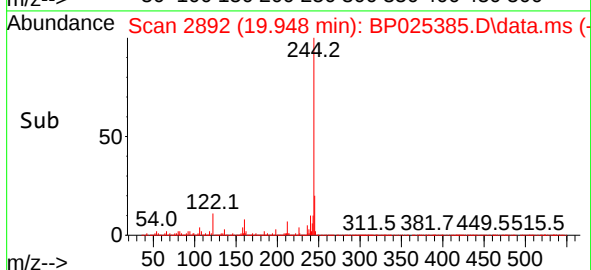
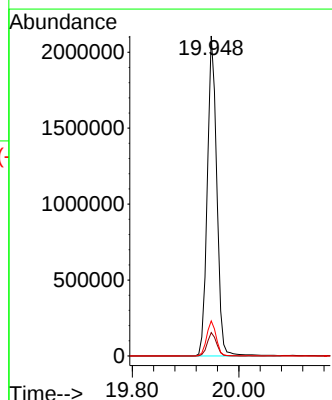
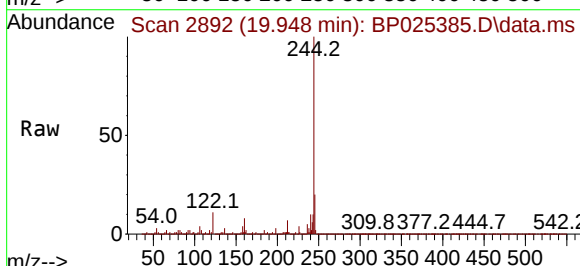
Tgt Ion:244 Resp: 2593464

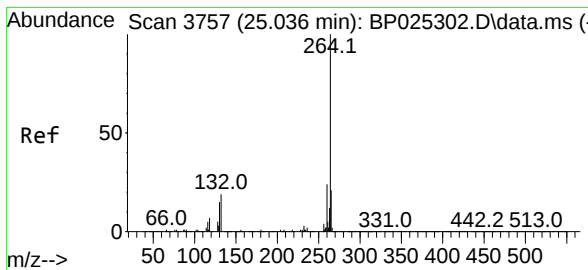
Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

122 10.9 9.5 14.3





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.083 min Scan# 31
 Delta R.T. 0.047 min
 Lab File: BP025385.D
 Acq: 13 Aug 2025 15:27

Instrument :
 BNA_P
 ClientSampleId :
 SOIL-DUP-1

Tgt Ion:264 Resp: 1049269
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.2 28.8
 265 21.7 17.1 25.7

