

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082625\
 Data File : BP025582.D
 Acq On : 26 Aug 2025 12:29
 Operator : CG/JU
 Sample : Q2941-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SOIL-COMP(1-2)

Quant Time: Aug 26 12:51:48 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)

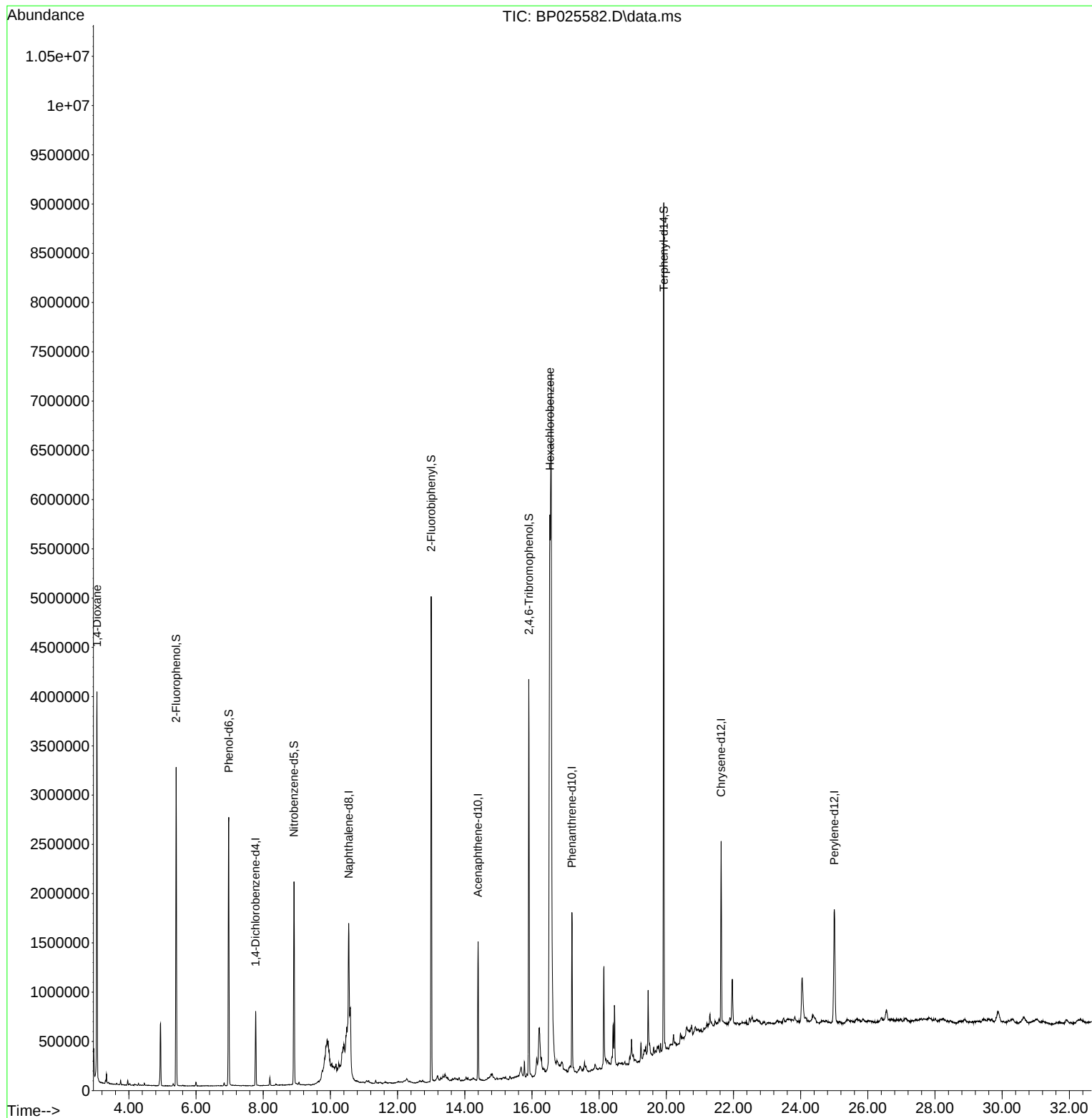
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.772	152	199370	20.000	ng	-0.02
21) Naphthalene-d8	10.543	136	731884	20.000	ng	#-0.02
39) Acenaphthene-d10	14.395	164	459363	20.000	ng	-0.01
64) Phenanthrene-d10	17.189	188	903591	20.000	ng	-0.01
76) Chrysene-d12	21.630	240	1021743	20.000	ng	-0.02
86) Perylene-d12	25.001	264	1202914	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	1385838	115.437	ng	0.00
7) Phenol-d6	6.972	99	1562275	101.501	ng	0.00
23) Nitrobenzene-d5	8.913	82	1210303	83.652	ng	-0.02
42) 2,4,6-Tribromophenol	15.907	330	827559	133.843	ng	0.00
45) 2-Fluorobiphenyl	13.001	172	2555175	76.021	ng	-0.02
79) Terphenyl-d14	19.924	244	4225469	75.663	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.049	88	26042	5.538	ng	# 1
68) Hexachlorobenzene	16.536	284	179558	15.587	ng	# 43

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

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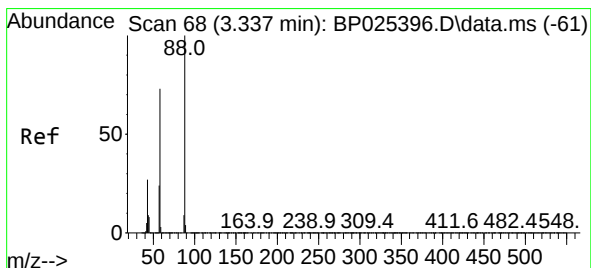
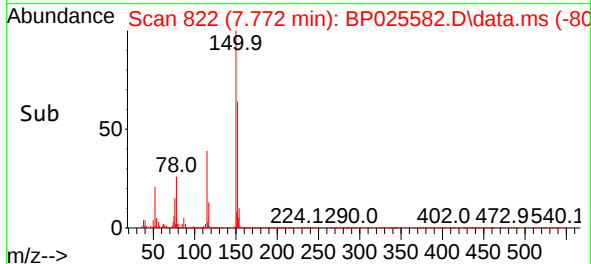
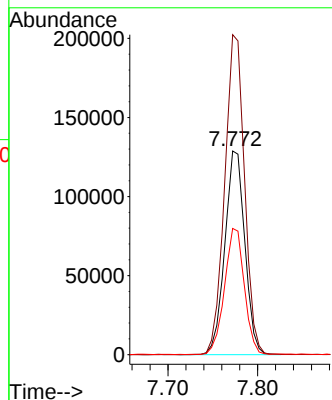
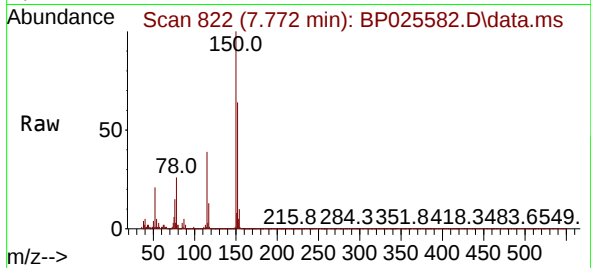




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.772 min Scan# 81
 Delta R.T. -0.024 min
 Lab File: BP025582.D
 Acq: 26 Aug 2025 12:29

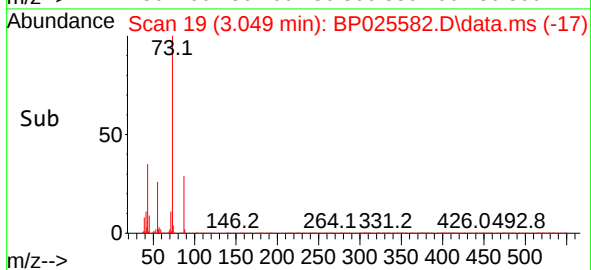
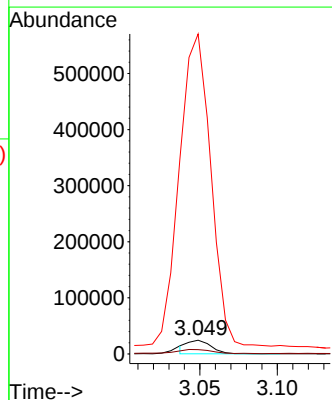
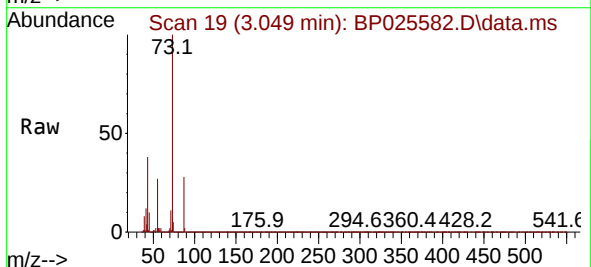
Instrument :
 BNA_P
 ClientSampleId :
 SOIL-COMP(1-2)

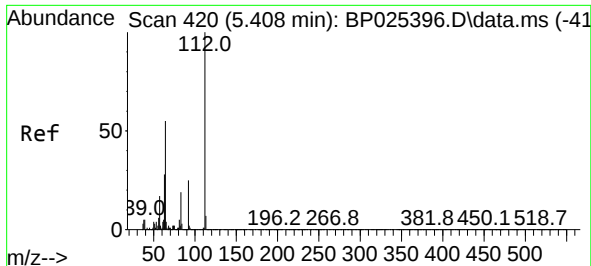
Tgt Ion:152 Resp: 199370
 Ion Ratio Lower Upper
 152 100
 150 157.1 125.9 188.9
 115 62.0 48.5 72.7



#2
 1,4-Dioxane
 Concen: 5.538 ng
 RT: 3.049 min Scan# 19
 Delta R.T. -0.288 min
 Lab File: BP025582.D
 Acq: 26 Aug 2025 12:29

Tgt Ion: 88 Resp: 26042
 Ion Ratio Lower Upper
 88 100
 58 33.1 59.2 88.8#
 43 2398.9 21.7 32.5#

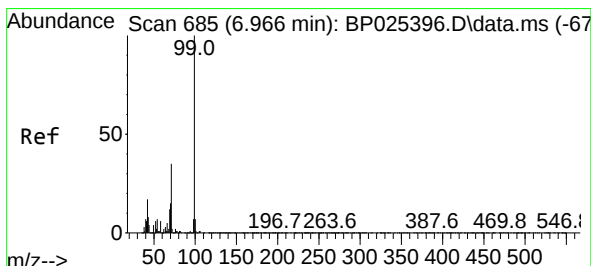
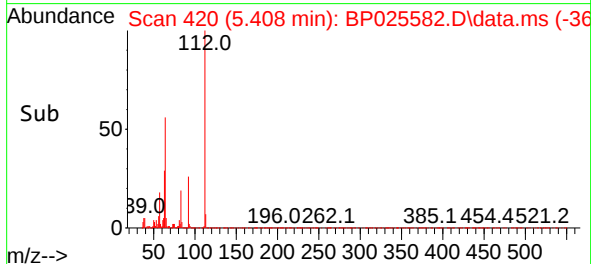
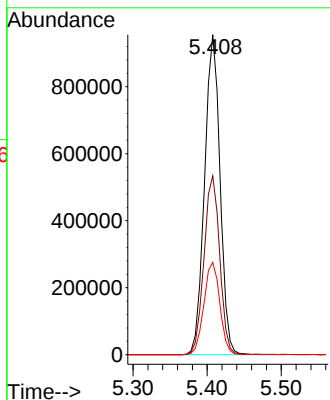
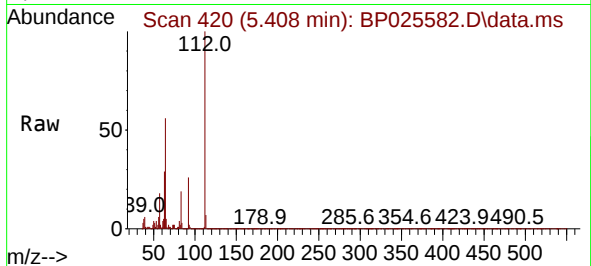




#5
2-Fluorophenol
Concen: 115.437 ng
RT: 5.408 min Scan# 41
Delta R.T. 0.000 min
Lab File: BP025582.D
Acq: 26 Aug 2025 12:29

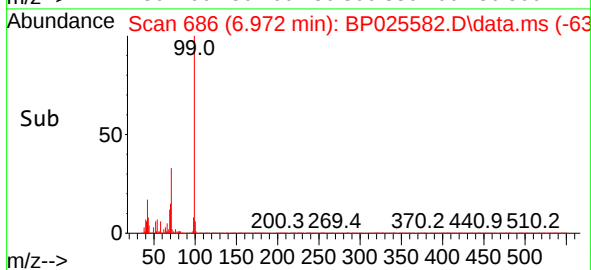
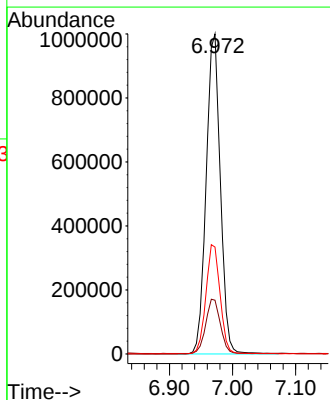
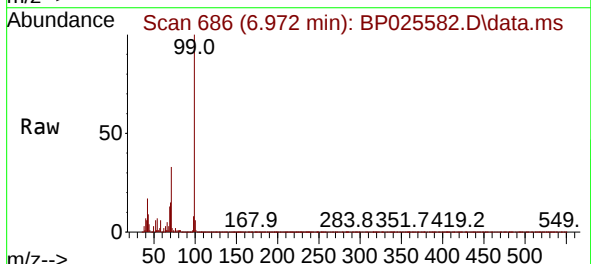
Instrument :
BNA_P
ClientSampleId :
SOIL-COMP(1-2)

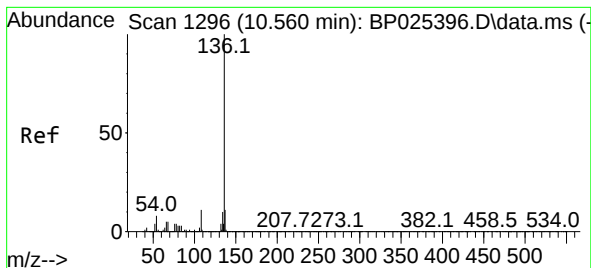
Tgt Ion:112 Resp: 1385838
Ion Ratio Lower Upper
112 100
64 55.9 43.8 65.8
63 28.9 22.7 34.1



#7
Phenol-d6
Concen: 101.501 ng
RT: 6.972 min Scan# 686
Delta R.T. 0.006 min
Lab File: BP025582.D
Acq: 26 Aug 2025 12:29

Tgt Ion: 99 Resp: 1562275
Ion Ratio Lower Upper
99 100
42 16.8 13.7 20.5
71 33.4 28.2 42.4

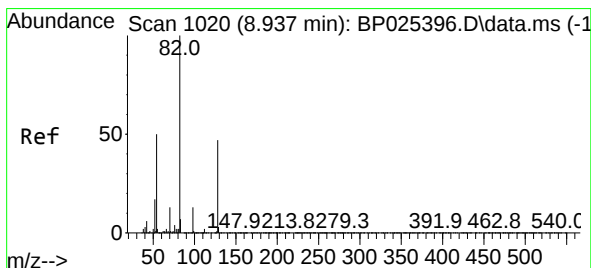
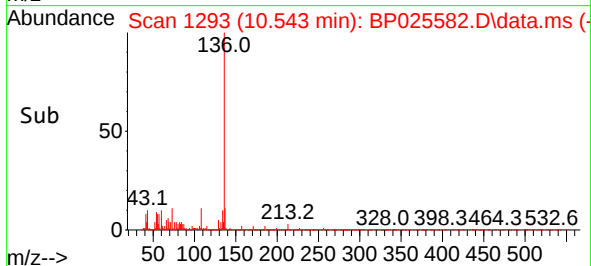
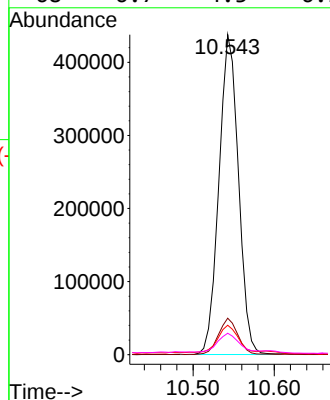
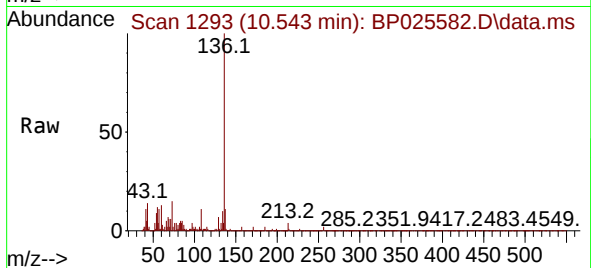




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.543 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BP025582.D
Acq: 26 Aug 2025 12:29

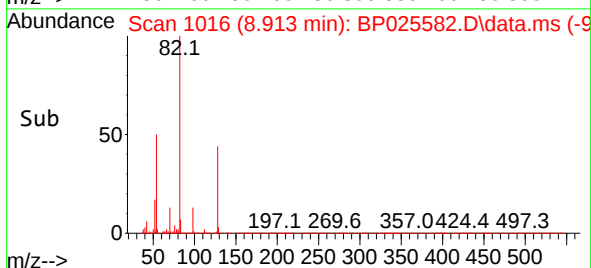
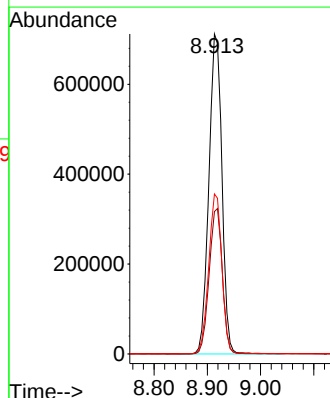
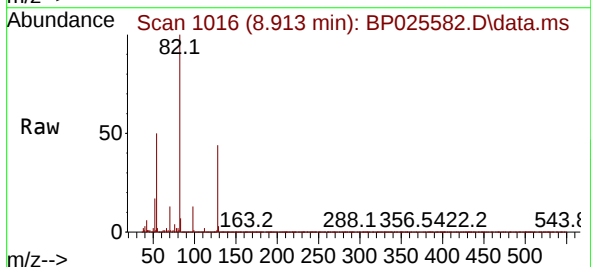
Instrument :
BNA_P
ClientSampleId :
SOIL-COMP(1-2)

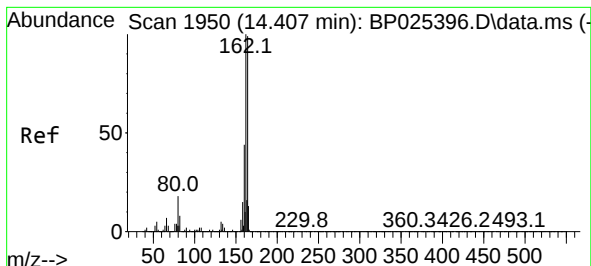
Tgt Ion:	136	Resp:	731884
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.2	13.8
54	9.2	6.0	9.0#
68	6.7	4.3	6.5#



#23
Nitrobenzene-d5
Concen: 83.652 ng
RT: 8.913 min Scan# 1016
Delta R.T. -0.024 min
Lab File: BP025582.D
Acq: 26 Aug 2025 12:29

Tgt Ion:	82	Resp:	1210303
Ion	Ratio	Lower	Upper
82	100		
128	44.5	37.7	56.5
54	50.0	39.8	59.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.395 min Scan# 1948

Delta R.T. -0.012 min

Lab File: BP025582.D

Acq: 26 Aug 2025 12:29

Instrument :

BNA_P

ClientSampleId :

SOIL-COMP(1-2)

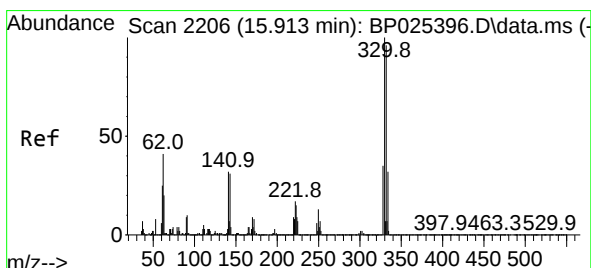
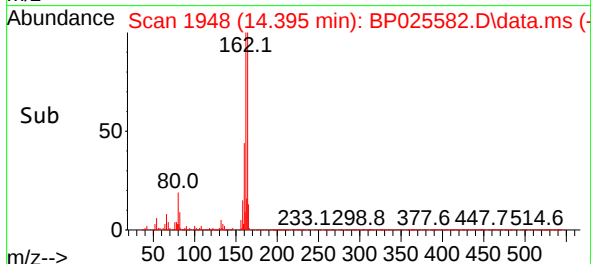
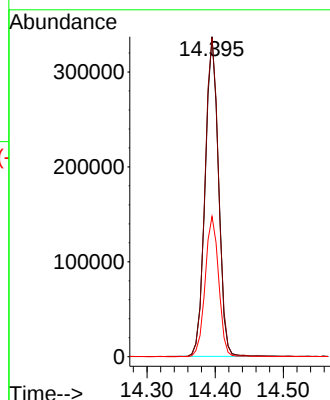
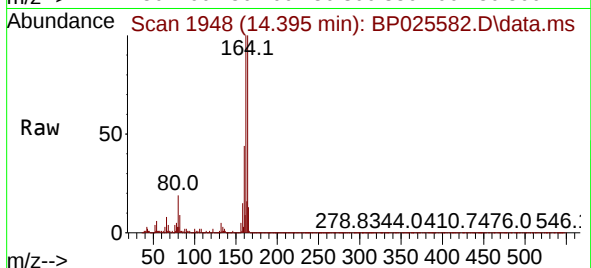
Tgt Ion:164 Resp: 459363

Ion Ratio Lower Upper

164 100

162 99.8 81.0 121.6

160 43.8 35.4 53.2



#42

2,4,6-Tribromophenol

Concen: 133.843 ng

RT: 15.907 min Scan# 2205

Delta R.T. -0.006 min

Lab File: BP025582.D

Acq: 26 Aug 2025 12:29

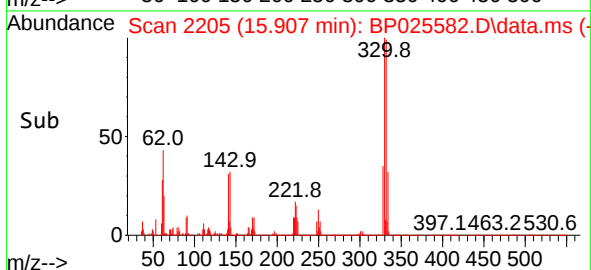
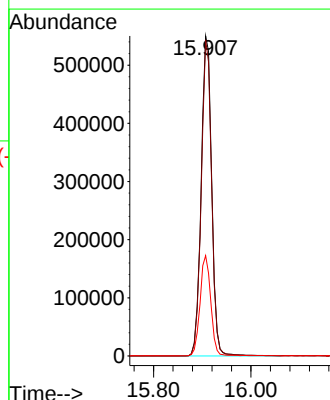
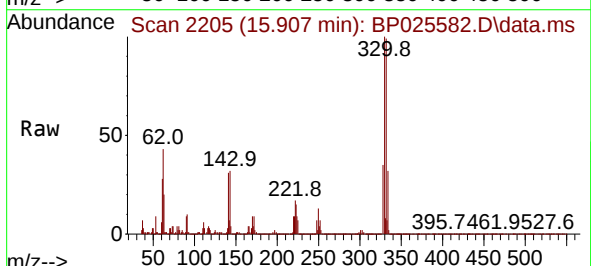
Tgt Ion:330 Resp: 827559

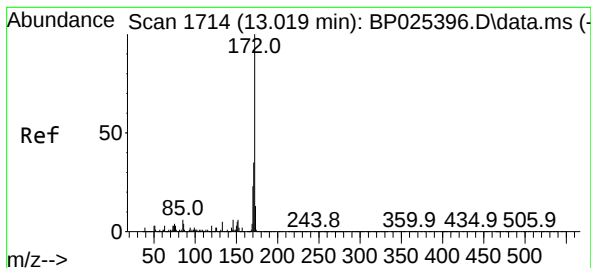
Ion Ratio Lower Upper

330 100

332 96.7 77.3 115.9

141 31.8 26.6 39.8





#45

2-Fluorobiphenyl

Concen: 76.021 ng

RT: 13.001 min Scan# 1

Delta R.T. -0.018 min

Lab File: BP025582.D

Acq: 26 Aug 2025 12:29

Instrument :

BNA_P

ClientSampleId :

SOIL-COMP(1-2)

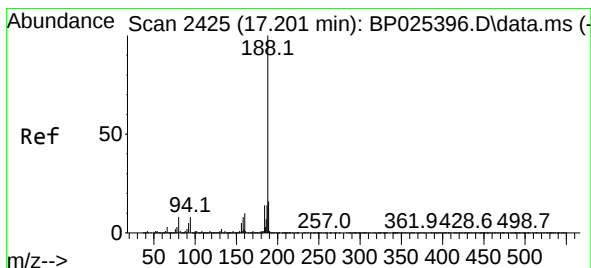
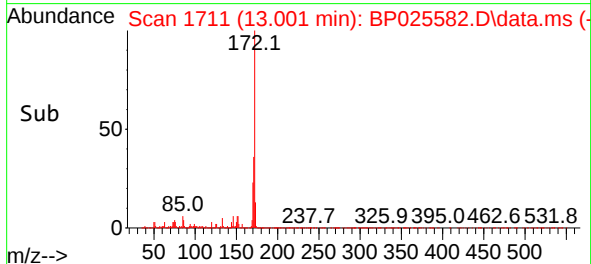
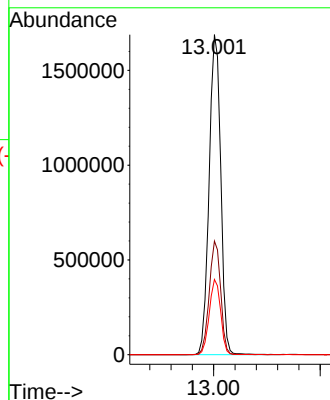
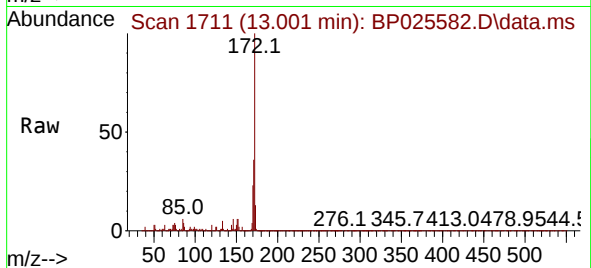
Tgt Ion:172 Resp: 2555175

Ion Ratio Lower Upper

172 100

171 35.5 28.1 42.1

170 23.5 18.6 28.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.189 min Scan# 2423

Delta R.T. -0.012 min

Lab File: BP025582.D

Acq: 26 Aug 2025 12:29

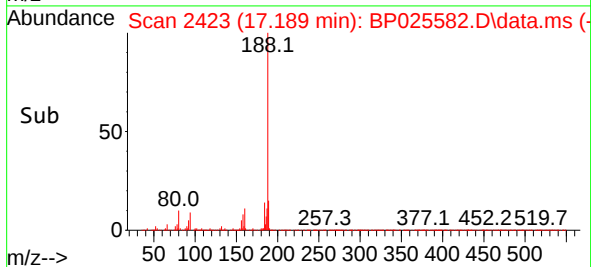
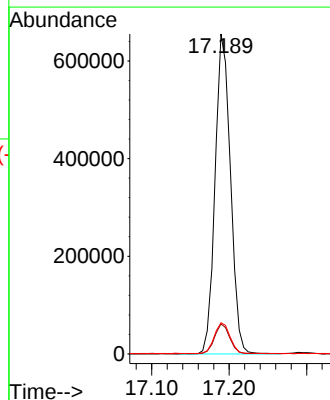
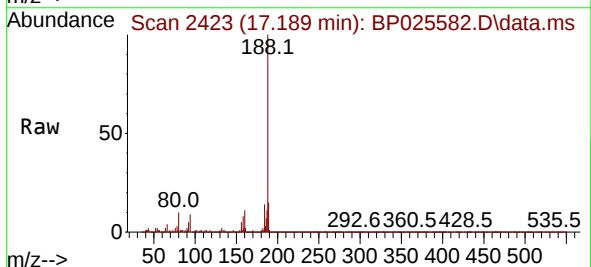
Tgt Ion:188 Resp: 903591

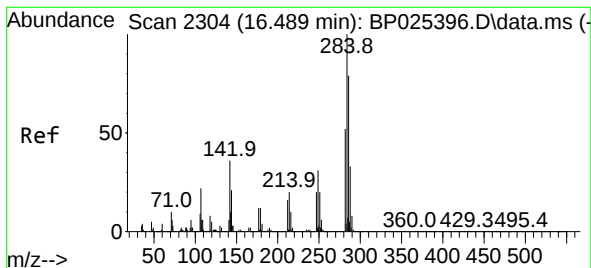
Ion Ratio Lower Upper

188 100

94 9.4 6.6 10.0

80 9.8 6.7 10.1





#68

Hexachlorobenzene

Concen: 15.587 ng

RT: 16.536 min Scan# 21

Delta R.T. 0.047 min

Lab File: BP025582.D

Acq: 26 Aug 2025 12:29

Instrument :

BNA_P

ClientSampleId :

SOIL-COMP(1-2)

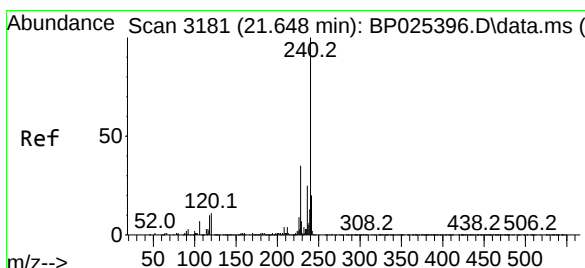
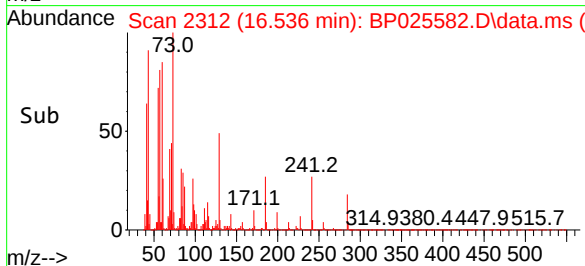
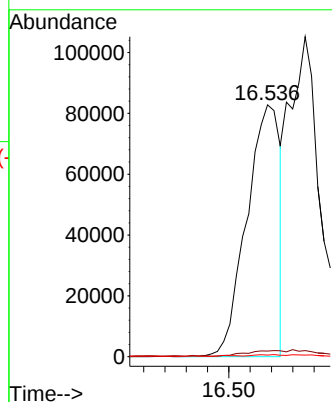
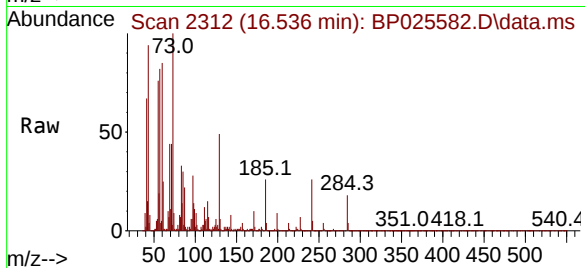
Tgt Ion:284 Resp: 179558

Ion Ratio Lower Upper

284 100

142 2.2 29.1 43.7#

249 0.6 25.0 37.4#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.630 min Scan# 3178

Delta R.T. -0.018 min

Lab File: BP025582.D

Acq: 26 Aug 2025 12:29

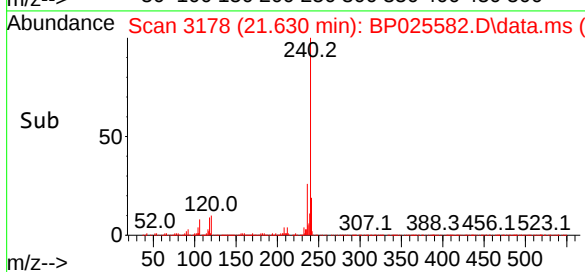
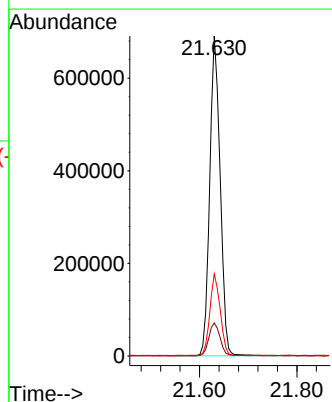
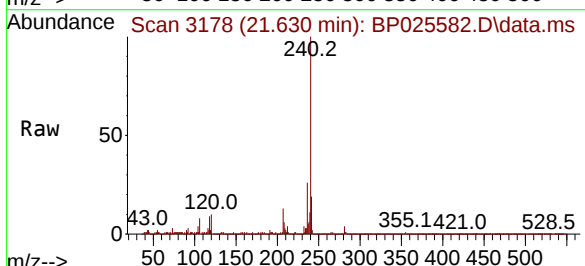
Tgt Ion:240 Resp: 1021743

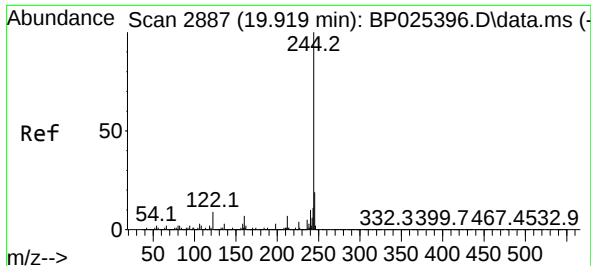
Ion Ratio Lower Upper

240 100

120 10.3 8.9 13.3

236 25.6 19.8 29.8

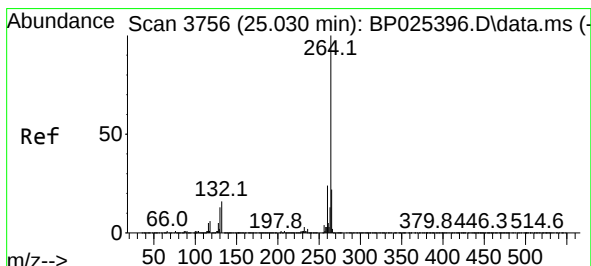
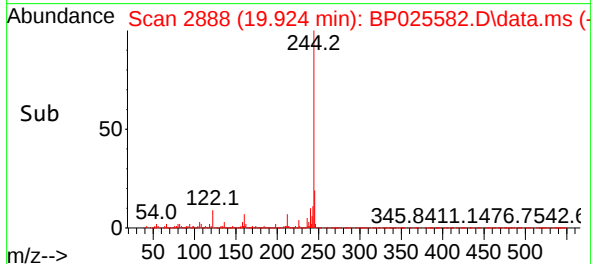
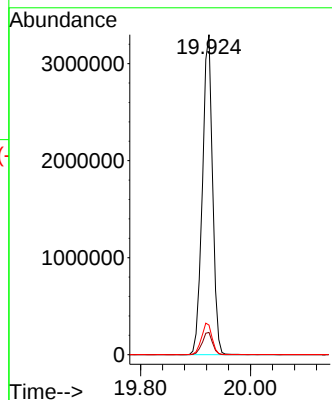
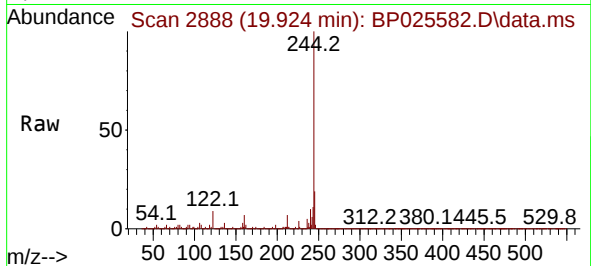




#79
 Terphenyl-d14
 Concen: 75.663 ng
 RT: 19.924 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BP025582.D
 Acq: 26 Aug 2025 12:29

Instrument :
 BNA_P
 ClientSampleId :
 SOIL-COMP(1-2)

Tgt Ion:244 Resp: 4225469
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.6
 122 9.3 7.4 11.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.001 min Scan# 3751
 Delta R.T. -0.029 min
 Lab File: BP025582.D
 Acq: 26 Aug 2025 12:29

Tgt Ion:264 Resp: 1202914
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.3 28.9
 265 21.9 17.4 26.0

