

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051625\
 Data File : BP024684.D
 Acq On : 17 May 2025 10:03
 Operator : RC/JU
 Sample : Q2027-04
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B28-SOIL-SAMPLE

Quant Time: May 19 01:09:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 13 16:21:39 2025
 Response via : Initial Calibration

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

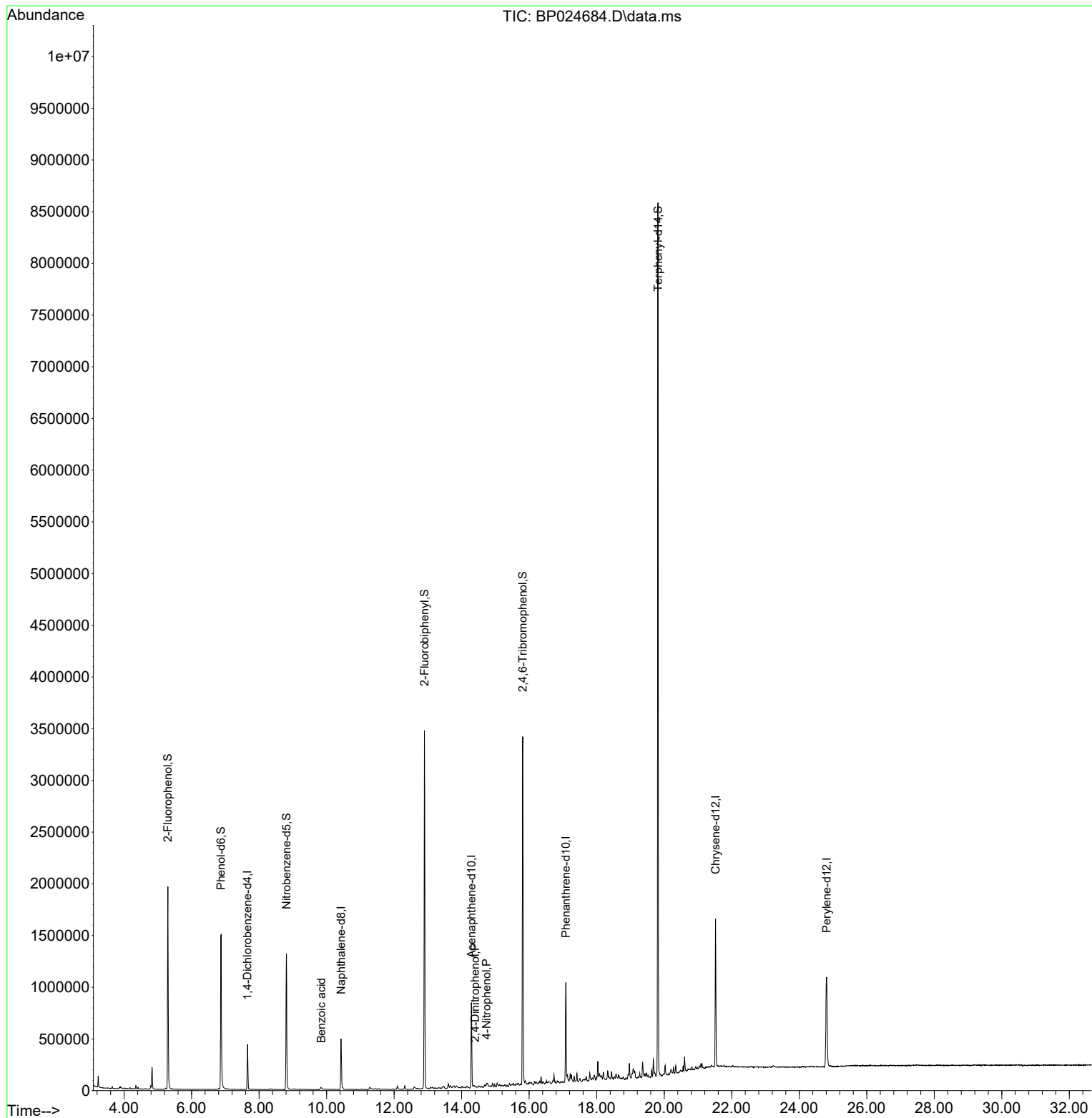
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.657	152	114942	20.000	ng	0.00
21) Naphthalene-d8	10.428	136	431025	20.000	ng	0.00
39) Acenaphthene-d10	14.292	164	288797	20.000	ng	-0.01
64) Phenanthrene-d10	17.086	188	618450	20.000	ng	-0.01
76) Chrysene-d12	21.521	240	785209	20.000	ng	0.00
86) Perylene-d12	24.809	264	941035	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.299	112	873893	130.038	ng	0.01
7) Phenol-d6	6.875	99	968920	112.968	ng	0.02
23) Nitrobenzene-d5	8.810	82	704663	82.603	ng	0.00
42) 2,4,6-Tribromophenol	15.810	330	837748	171.111	ng	0.00
45) 2-Fluorobiphenyl	12.898	172	1784022	80.932	ng	0.00
79) Terphenyl-d14	19.816	244	3930232	85.826	ng	0.00
Target Compounds						
32) Benzoic acid	9.846	122	2640	7.962	ng	# 86
54) 2,4-Dinitrophenol	14.392	184	179	6.457	ng	# 1
56) 4-Nitrophenol	14.739	139	114	4.260	ng	85

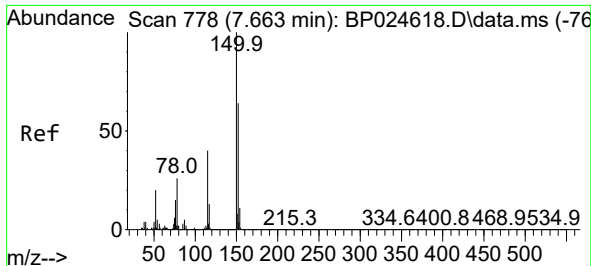
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051625\
Data File : BP024684.D
Acq On : 17 May 2025 10:03
Operator : RC/JU
Sample : Q2027-04
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B28-SOIL-SAMPLE

Quant Time: May 19 01:09:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

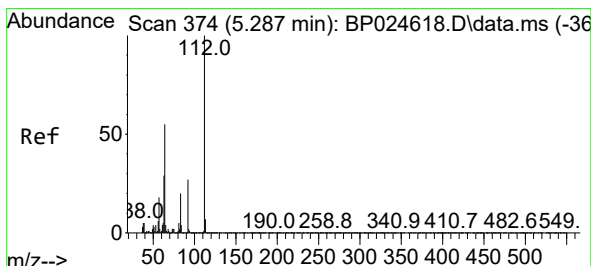
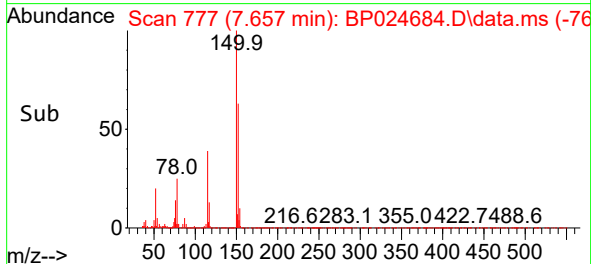
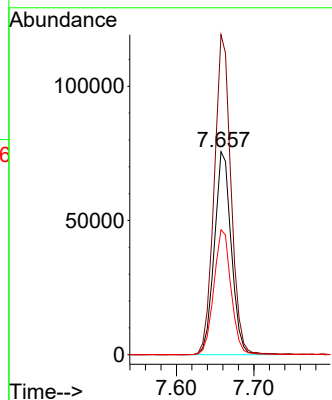
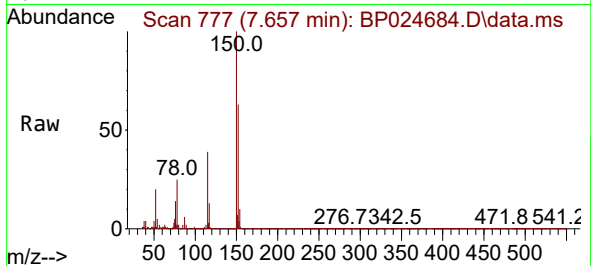




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.657 min Scan# 71
Delta R.T. -0.006 min
Lab File: BP024684.D
Acq: 17 May 2025 10:03

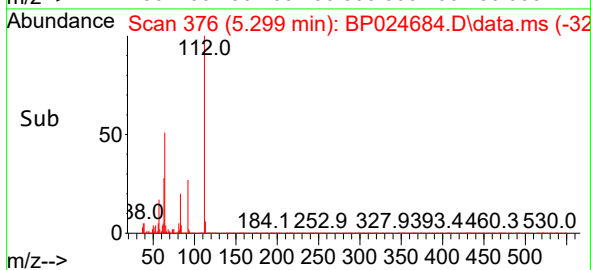
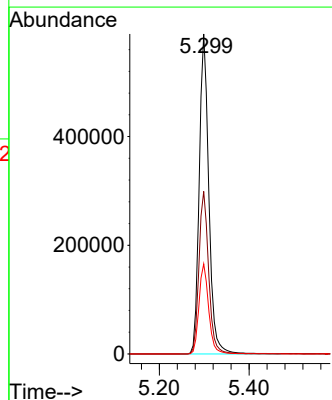
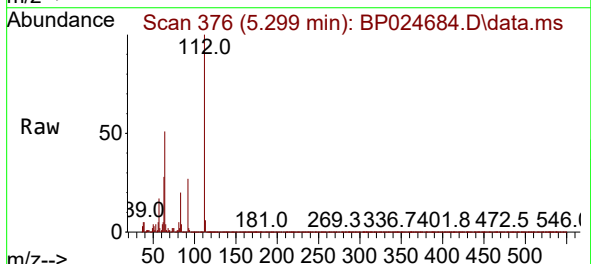
Instrument :
BNA_P
ClientSampleId :
B28-SOIL-SAMPLE

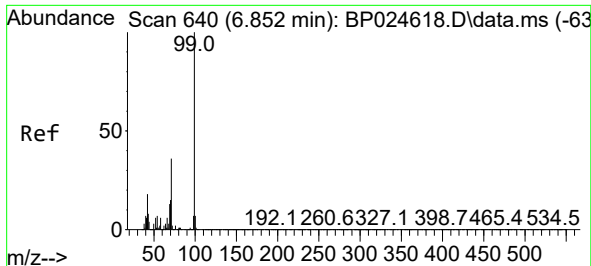
Tgt Ion:152 Resp: 114942
Ion Ratio Lower Upper
152 100
150 157.6 125.9 188.9
115 61.5 50.1 75.1



#5
2-Fluorophenol
Concen: 130.038 ng
RT: 5.299 min Scan# 376
Delta R.T. 0.012 min
Lab File: BP024684.D
Acq: 17 May 2025 10:03

Tgt Ion:112 Resp: 873893
Ion Ratio Lower Upper
112 100
64 50.8 44.1 66.1
63 28.2 23.5 35.3

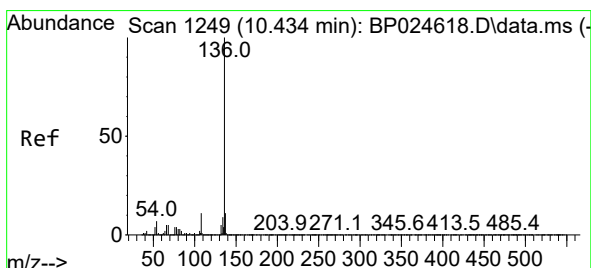
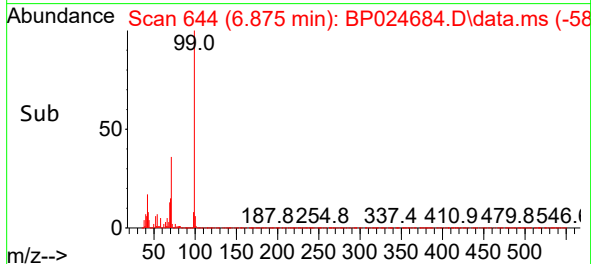
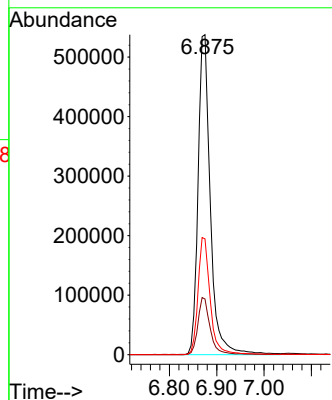
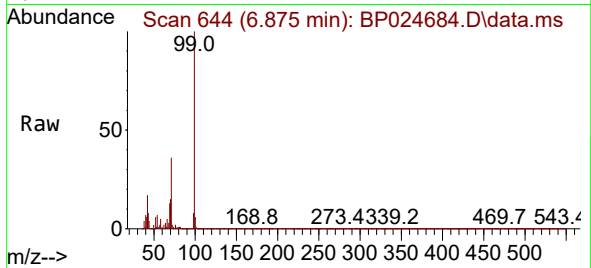




#7
Phenol-d6
Concen: 112.968 ng
RT: 6.875 min Scan# 64
Delta R.T. 0.023 min
Lab File: BP024684.D
Acq: 17 May 2025 10:03

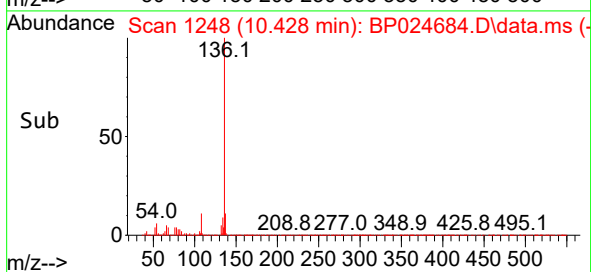
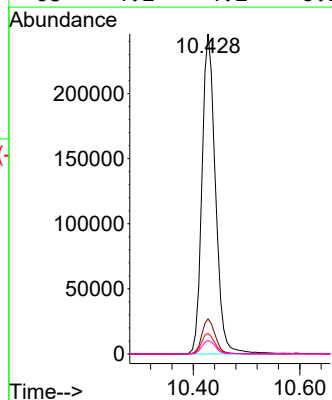
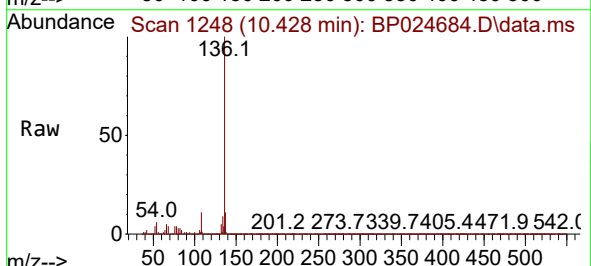
Instrument :
BNA_P
ClientSampleId :
B28-SOIL-SAMPLE

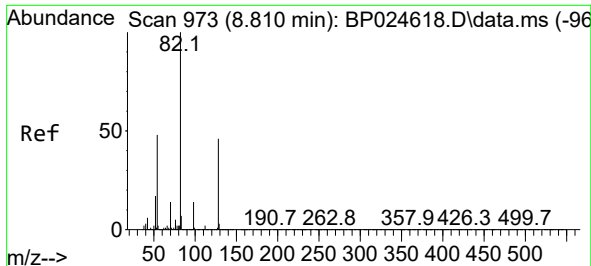
Tgt Ion: 99 Resp: 968920
Ion Ratio Lower Upper
99 100
42 17.4 14.4 21.6
71 36.2 29.2 43.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.428 min Scan# 1248
Delta R.T. -0.006 min
Lab File: BP024684.D
Acq: 17 May 2025 10:03

Tgt Ion: 136 Resp: 431025
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 6.4 5.5 8.3
68 4.2 4.2 6.2

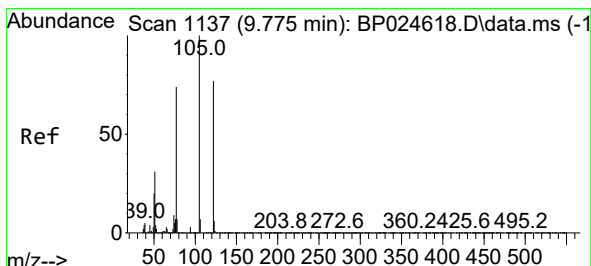
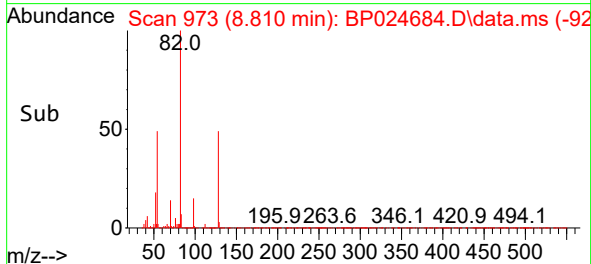
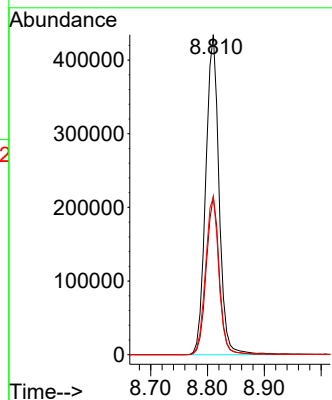
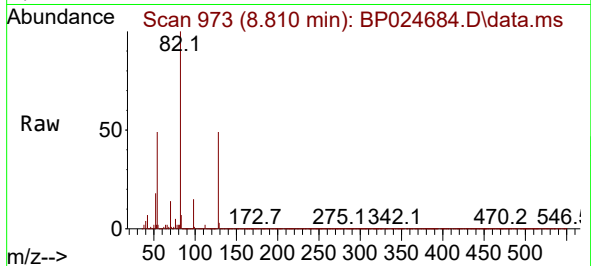




#23
Nitrobenzene-d5
Concen: 82.603 ng
RT: 8.810 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP024684.D
Acq: 17 May 2025 10:03

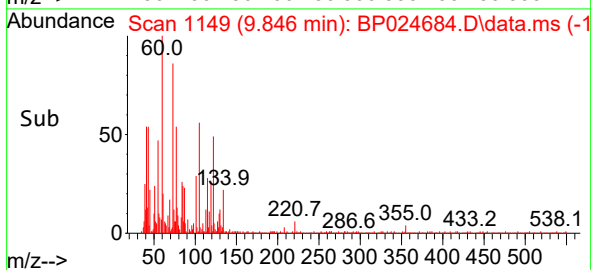
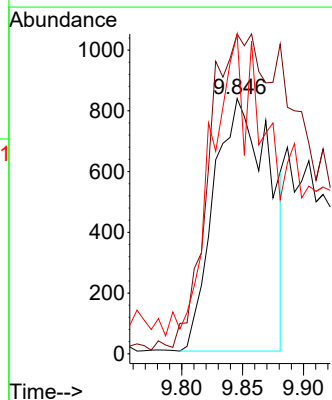
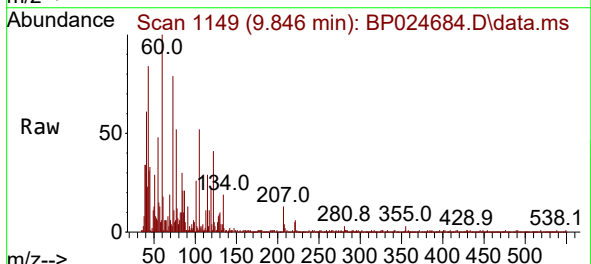
Instrument :
BNA_P
ClientSampleId :
B28-SOIL-SAMPLE

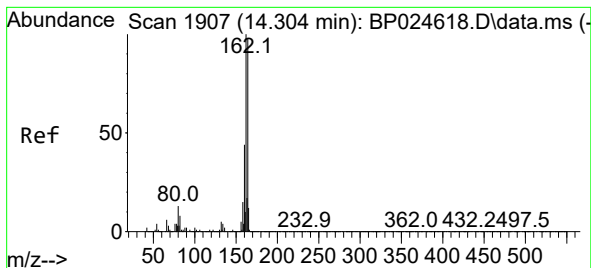
Tgt Ion: 82 Resp: 704663
Ion Ratio Lower Upper
82 100
128 49.4 37.0 55.4
54 49.3 38.7 58.1



#32
Benzoic acid
Concen: 7.962 ng
RT: 9.846 min Scan# 1149
Delta R.T. 0.071 min
Lab File: BP024684.D
Acq: 17 May 2025 10:03

Tgt Ion:122 Resp: 2640
Ion Ratio Lower Upper
122 100
105 125.4 106.9 146.9
77 125.2 75.1 115.1#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.292 min Scan# 1905

Delta R.T. -0.012 min

Lab File: BP024684.D

Acq: 17 May 2025 10:03

Instrument :

BNA_P

ClientSampleId :

B28-SOIL-SAMPLE

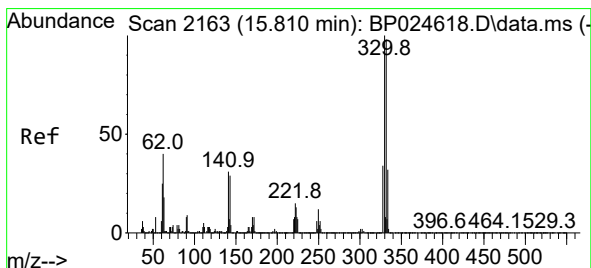
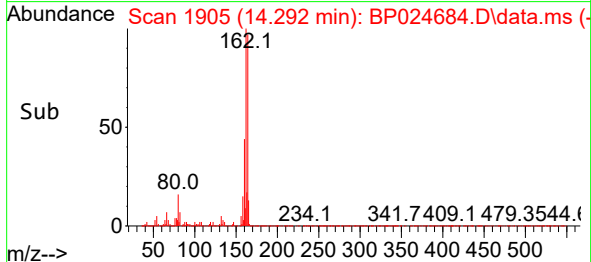
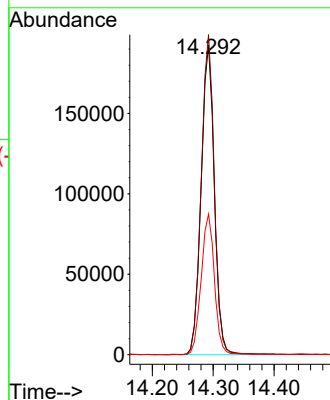
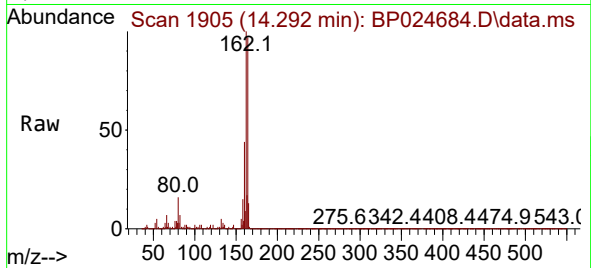
Tgt Ion:164 Resp: 288797

Ion Ratio Lower Upper

164 100

162 103.3 81.8 122.6

160 45.4 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 171.111 ng

RT: 15.810 min Scan# 2163

Delta R.T. -0.000 min

Lab File: BP024684.D

Acq: 17 May 2025 10:03

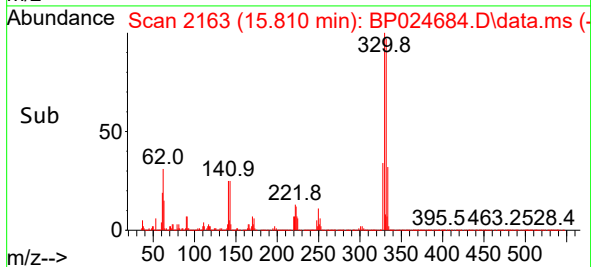
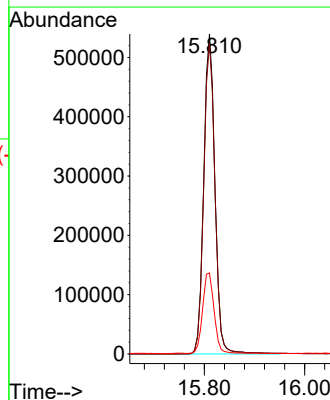
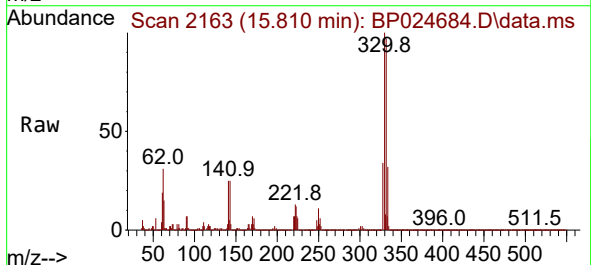
Tgt Ion:330 Resp: 837748

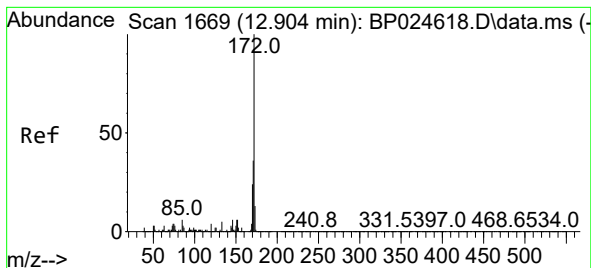
Ion Ratio Lower Upper

330 100

332 97.3 78.2 117.4

141 25.7 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 80.932 ng

RT: 12.898 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP024684.D

Acq: 17 May 2025 10:03

Instrument :

BNA_P

ClientSampleId :

B28-SOIL-SAMPLE

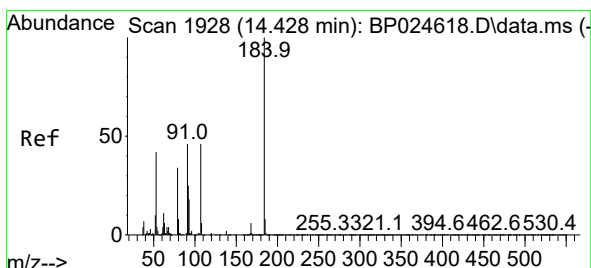
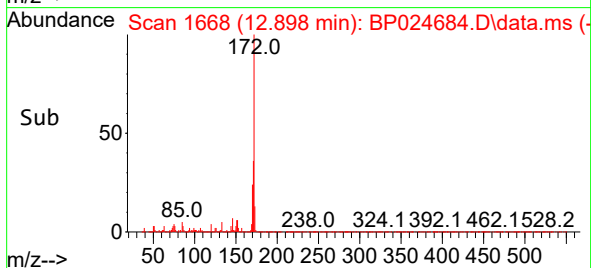
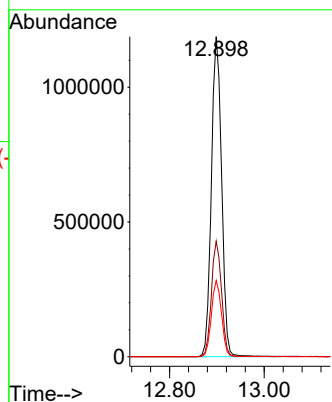
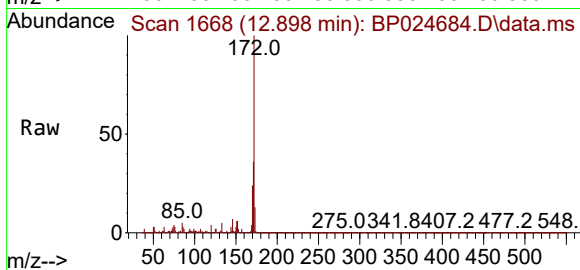
Tgt Ion:172 Resp: 1784022

Ion Ratio Lower Upper

172 100

171 36.1 28.8 43.2

170 23.8 18.8 28.2



#54

2,4-Dinitrophenol

Concen: 6.457 ng

RT: 14.392 min Scan# 1922

Delta R.T. -0.036 min

Lab File: BP024684.D

Acq: 17 May 2025 10:03

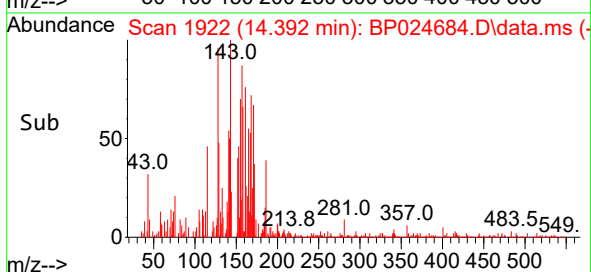
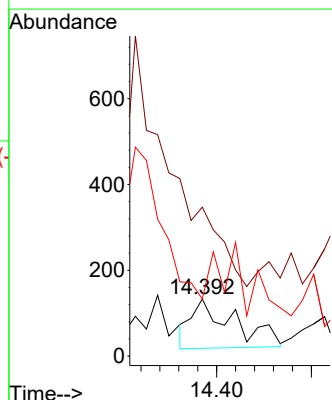
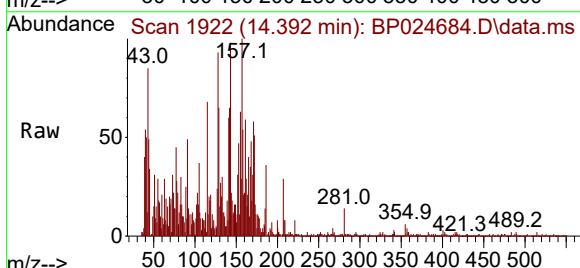
Tgt Ion:184 Resp: 179

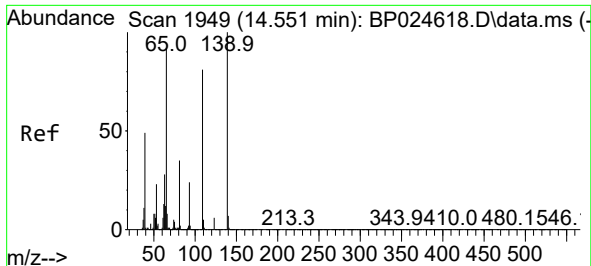
Ion Ratio Lower Upper

184 100

63 260.9 51.3 76.9#

154 100.0 53.5 80.3#

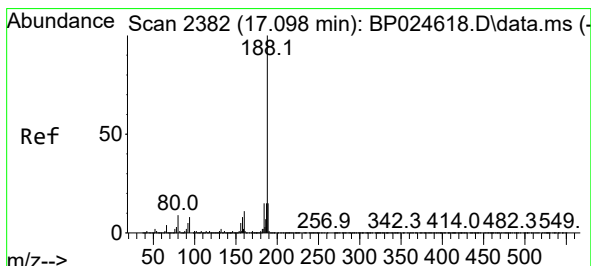
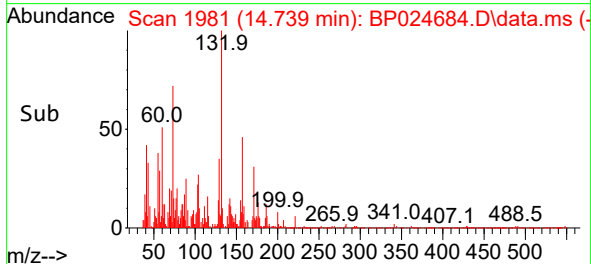
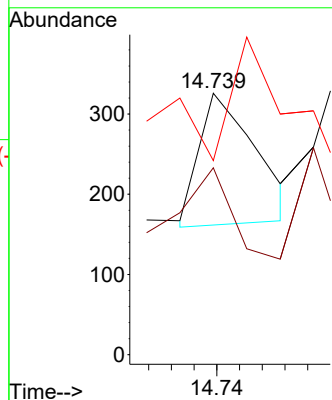
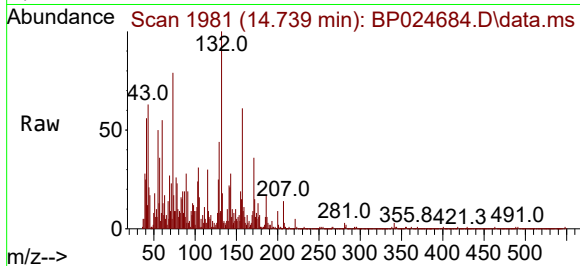




#56
4-Nitrophenol
Concen: 4.260 ng
RT: 14.739 min Scan# 1949
Delta R.T. 0.188 min
Lab File: BP024684.D
Acq: 17 May 2025 10:03

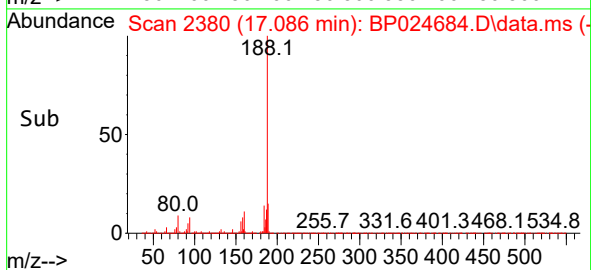
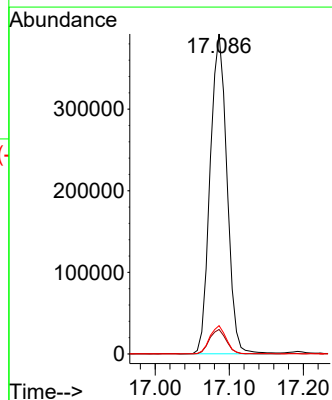
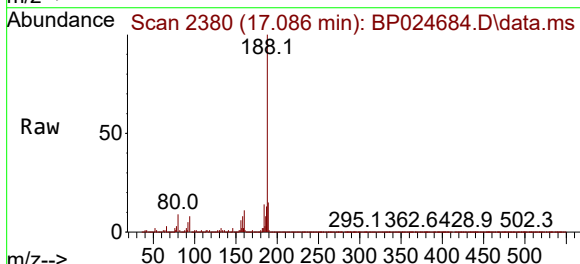
Instrument :
BNA_P
ClientSampleId :
B28-SOIL-SAMPLE

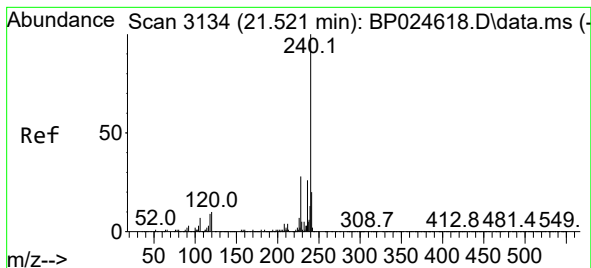
Tgt Ion:139 Resp: 114
Ion Ratio Lower Upper
139 100
109 71.5 61.4 101.4
65 74.2 72.2 112.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.086 min Scan# 2380
Delta R.T. -0.012 min
Lab File: BP024684.D
Acq: 17 May 2025 10:03

Tgt Ion:188 Resp: 618450
Ion Ratio Lower Upper
188 100
94 7.6 6.5 9.7
80 8.8 7.3 10.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.521 min Scan# 31

Delta R.T. -0.000 min

Lab File: BP024684.D

Acq: 17 May 2025 10:03

Instrument :

BNA_P

ClientSampleId :

B28-SOIL-SAMPLE

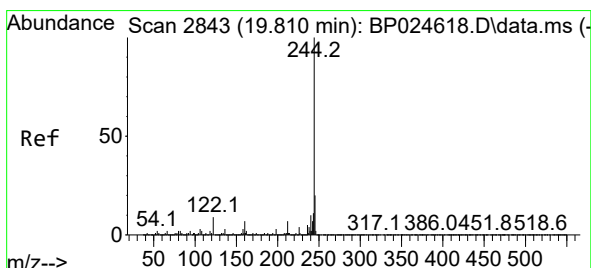
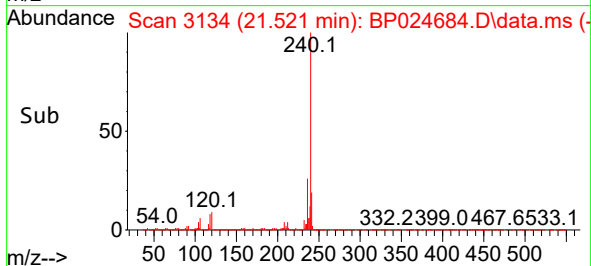
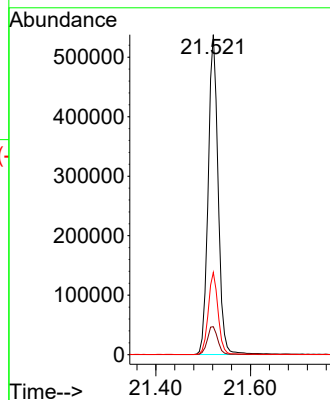
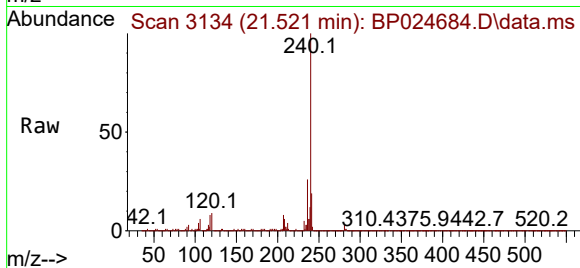
Tgt Ion:240 Resp: 785209

Ion Ratio Lower Upper

240 100

120 8.7 7.8 11.6

236 25.7 20.6 31.0



#79

Terphenyl-d14

Concen: 85.826 ng

RT: 19.816 min Scan# 2844

Delta R.T. 0.006 min

Lab File: BP024684.D

Acq: 17 May 2025 10:03

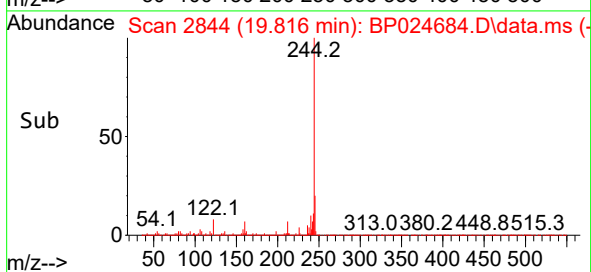
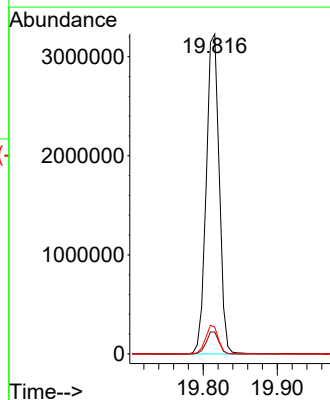
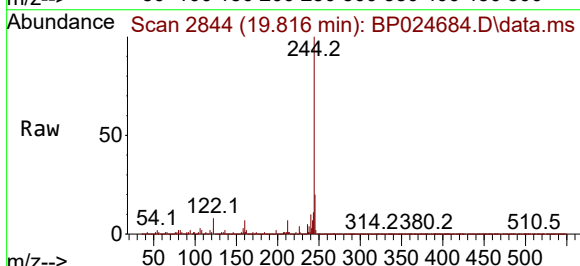
Tgt Ion:244 Resp: 3930232

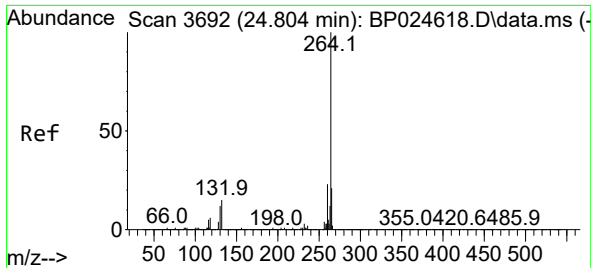
Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

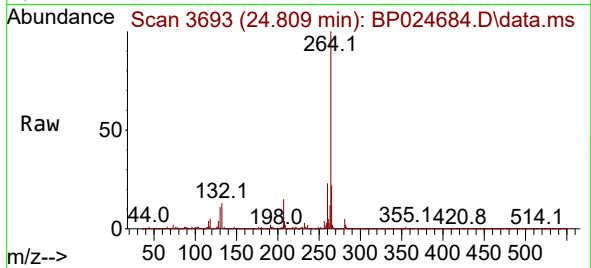
122 8.4 7.4 11.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.809 min Scan# 30
 Delta R.T. 0.006 min
 Lab File: BP024684.D
 Acq: 17 May 2025 10:03

Instrument :
 BNA_P
 ClientSampleId :
 B28-SOIL-SAMPLE



Tgt Ion:264 Resp: 941035
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.7 28.1
 265 21.6 17.0 25.6

