

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051625\
 Data File : BP024683.D
 Acq On : 17 May 2025 09:22
 Operator : RC/JU
 Sample : Q2027-03
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B27-SOIL-SAMPLE

Quant Time: May 19 01:08:55 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)

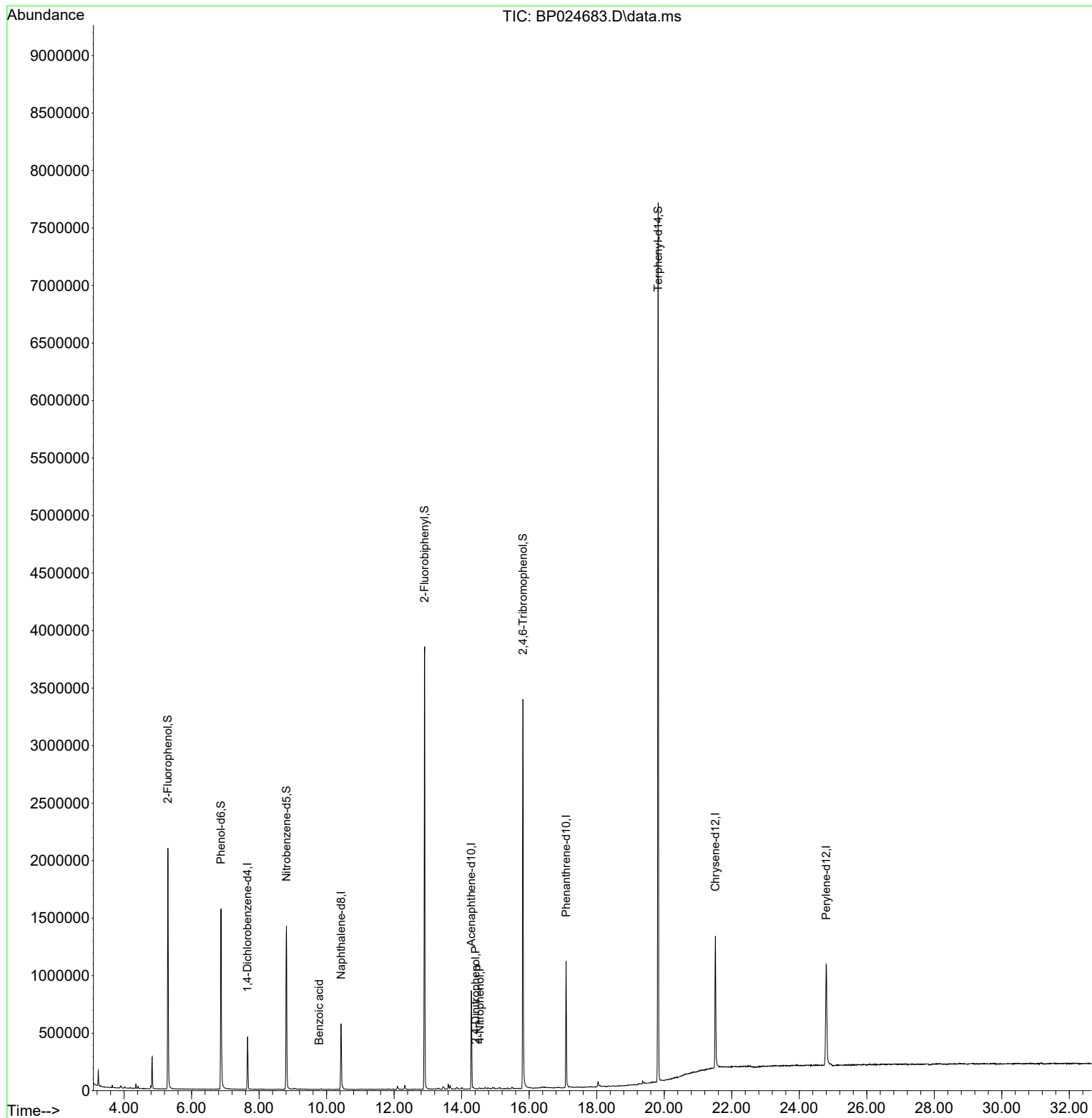
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.658	152	123558	20.000	ng	0.00
21) Naphthalene-d8	10.428	136	488456	20.000	ng	0.00
39) Acenaphthene-d10	14.287	164	302716	20.000	ng	-0.02
64) Phenanthrene-d10	17.092	188	616433	20.000	ng	0.00
76) Chrysene-d12	21.516	240	751392	20.000	ng	0.00
86) Perylene-d12	24.798	264	888364	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.299	112	942165	130.420	ng	0.01
7) Phenol-d6	6.875	99	1015557	110.149	ng	0.02
23) Nitrobenzene-d5	8.810	82	808039	83.585	ng	0.00
42) 2,4,6-Tribromophenol	15.816	330	805552	156.969	ng	0.00
45) 2-Fluorobiphenyl	12.904	172	1873487	81.083	ng	0.00
79) Terphenyl-d14	19.822	244	3896537	88.920	ng	0.01
Target Compounds						
						Qvalue
32) Benzoic acid	9.781	122	18	7.471	ng	# 1
54) 2,4-Dinitrophenol	14.416	184	42	6.414	ng	# 1
56) 4-Nitrophenol	14.540	139	177	4.273	ng	# 66

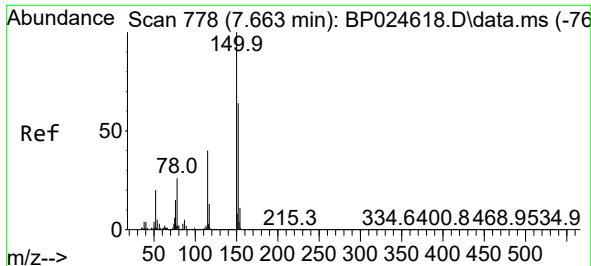
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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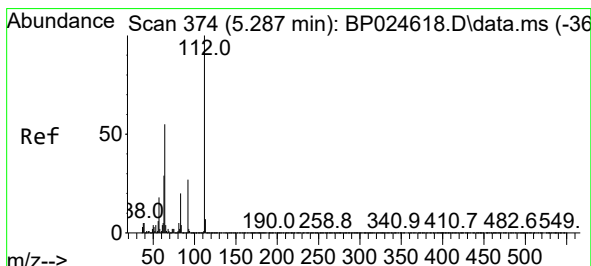
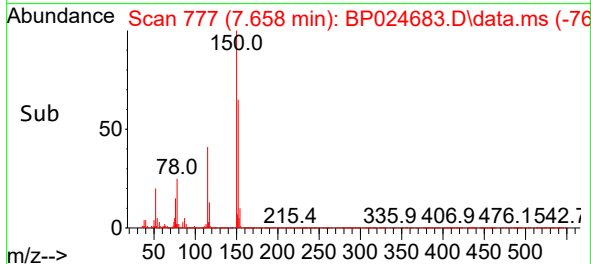
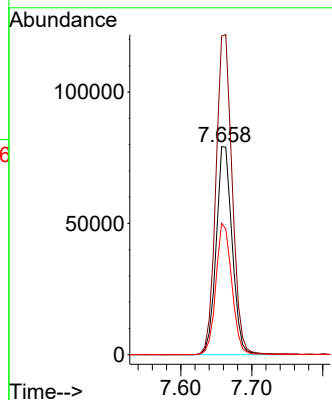
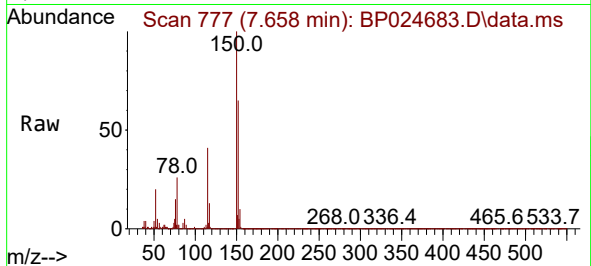




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.658 min Scan# 71
Delta R.T. -0.005 min
Lab File: BP024683.D
Acq: 17 May 2025 09:22

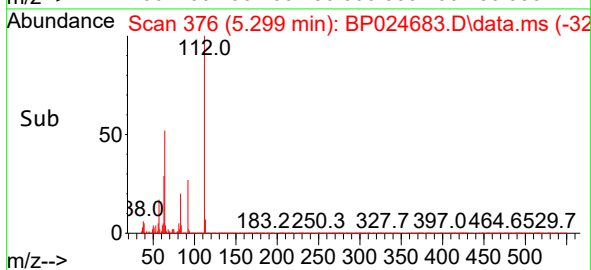
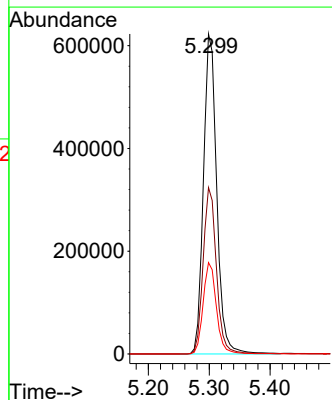
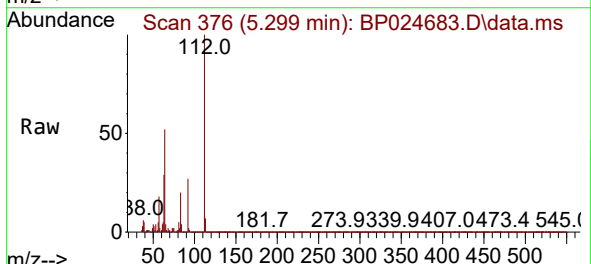
Instrument :
BNA_P
ClientSampleId :
B27-SOIL-SAMPLE

Tgt Ion:152 Resp: 123558
Ion Ratio Lower Upper
152 100
150 153.2 125.9 188.9
115 63.1 50.1 75.1



#5
2-Fluorophenol
Concen: 130.420 ng
RT: 5.299 min Scan# 376
Delta R.T. 0.012 min
Lab File: BP024683.D
Acq: 17 May 2025 09:22

Tgt Ion:112 Resp: 942165
Ion Ratio Lower Upper
112 100
64 52.0 44.1 66.1
63 28.6 23.5 35.3

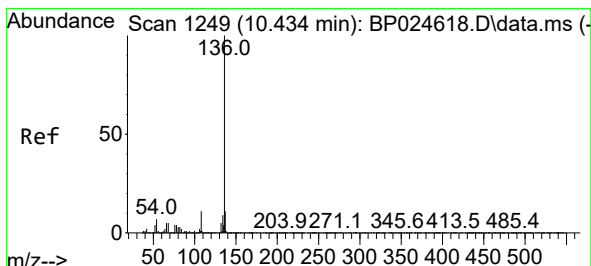
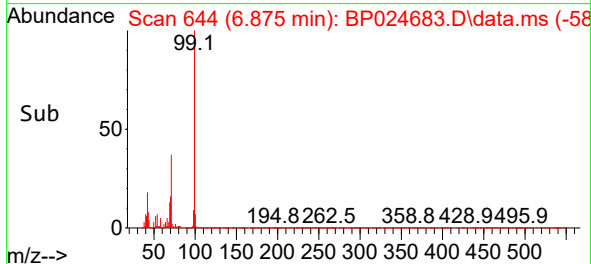
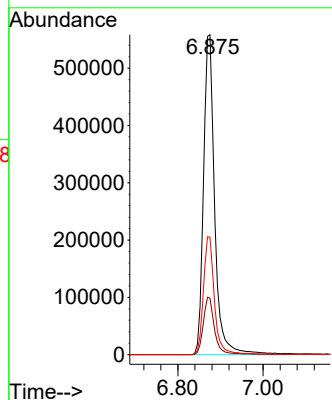
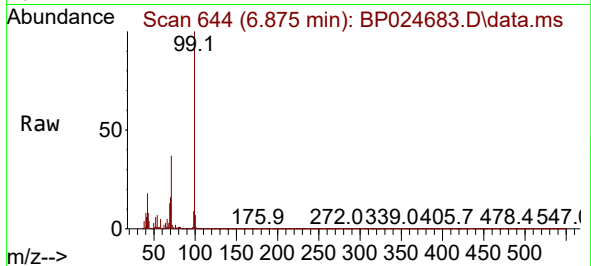




#7
Phenol-d6
Concen: 110.149 ng
RT: 6.875 min Scan# 64
Delta R.T. 0.024 min
Lab File: BP024683.D
Acq: 17 May 2025 09:22

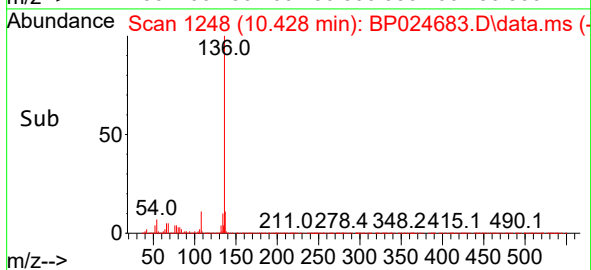
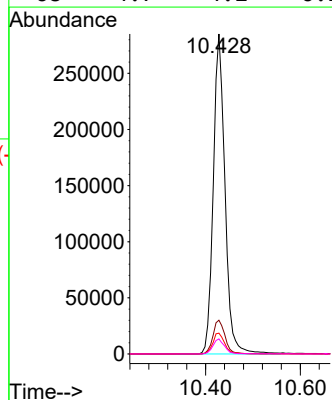
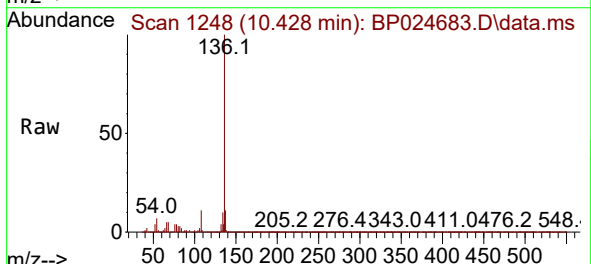
Instrument :
BNA_P
ClientSampleId :
B27-SOIL-SAMPLE

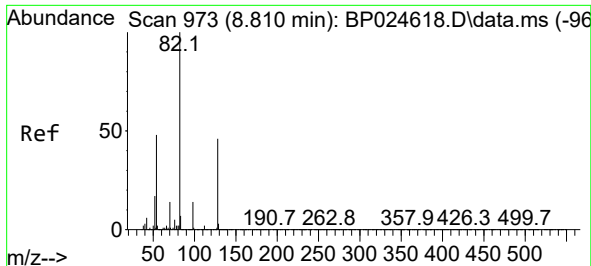
Tgt Ion: 99 Resp: 1015557
Ion Ratio Lower Upper
99 100
42 17.7 14.4 21.6
71 36.7 29.2 43.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.428 min Scan# 1248
Delta R.T. -0.006 min
Lab File: BP024683.D
Acq: 17 May 2025 09:22

Tgt Ion:136 Resp: 488456
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 6.5 5.5 8.3
68 4.7 4.2 6.2

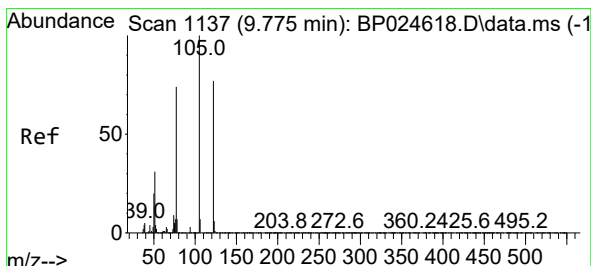
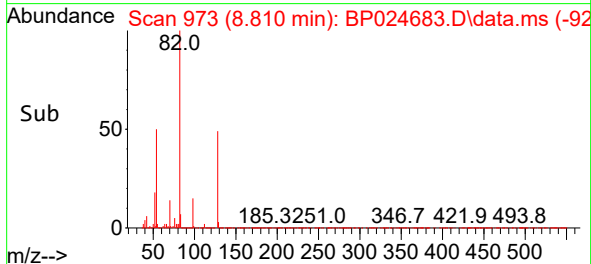
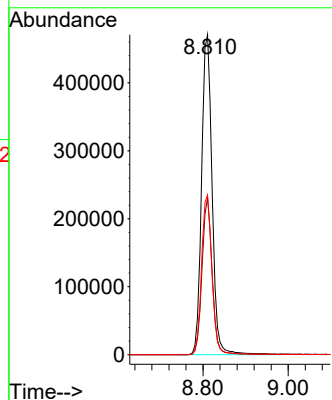
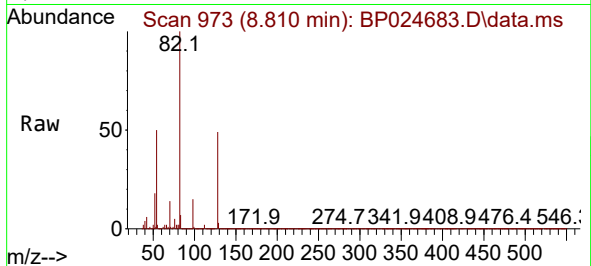




#23
Nitrobenzene-d5
Concen: 83.585 ng
RT: 8.810 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024683.D
Acq: 17 May 2025 09:22

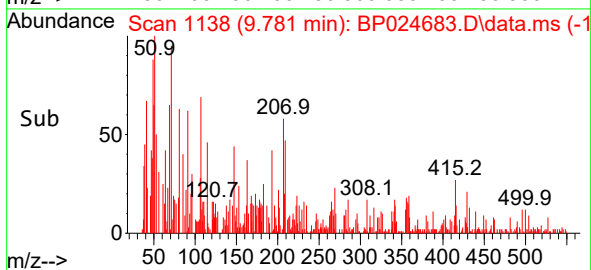
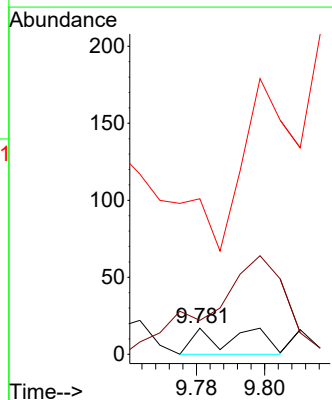
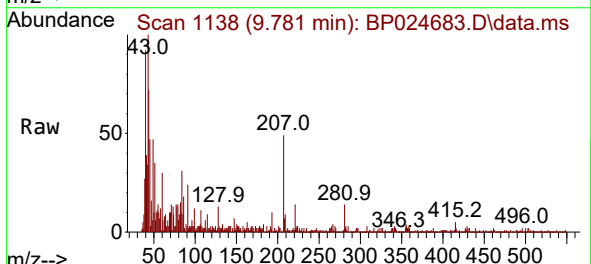
Instrument :
BNA_P
ClientSampleId :
B27-SOIL-SAMPLE

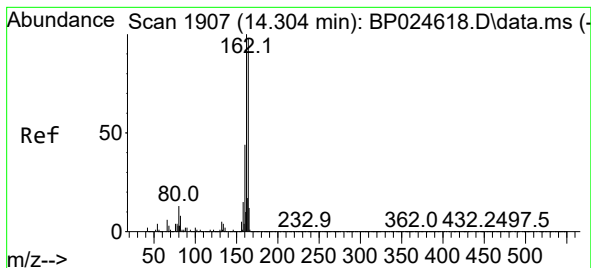
Tgt Ion: 82 Resp: 808039
Ion Ratio Lower Upper
82 100
128 49.1 37.0 55.4
54 49.9 38.7 58.1



#32
Benzoic acid
Concen: 7.471 ng
RT: 9.781 min Scan# 1138
Delta R.T. 0.006 min
Lab File: BP024683.D
Acq: 17 May 2025 09:22

Tgt Ion:122 Resp: 18
Ion Ratio Lower Upper
122 100
105 129.4 106.9 146.9
77 594.1 75.1 115.1#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.287 min Scan# 1907

Delta R.T. -0.018 min

Lab File: BP024683.D

Acq: 17 May 2025 09:22

Instrument :

BNA_P

ClientSampleId :

B27-SOIL-SAMPLE

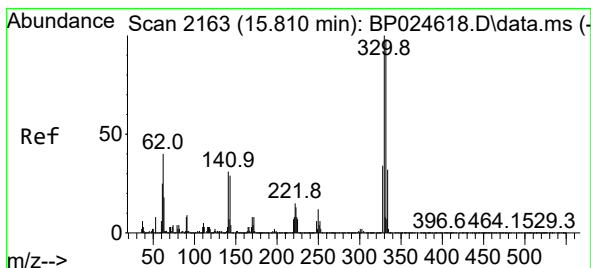
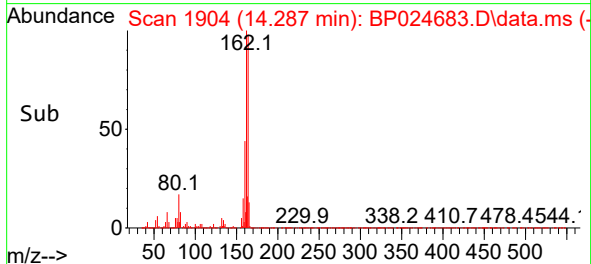
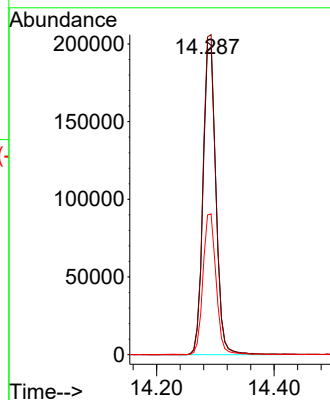
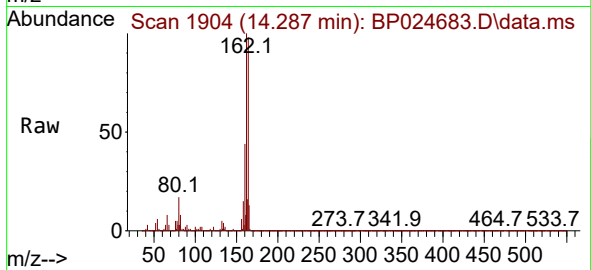
Tgt Ion:164 Resp: 302716

Ion Ratio Lower Upper

164 100

162 101.7 81.8 122.6

160 44.7 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 156.969 ng

RT: 15.816 min Scan# 2164

Delta R.T. 0.006 min

Lab File: BP024683.D

Acq: 17 May 2025 09:22

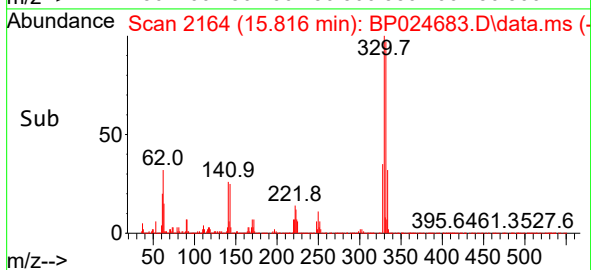
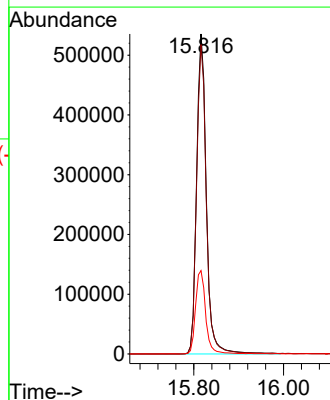
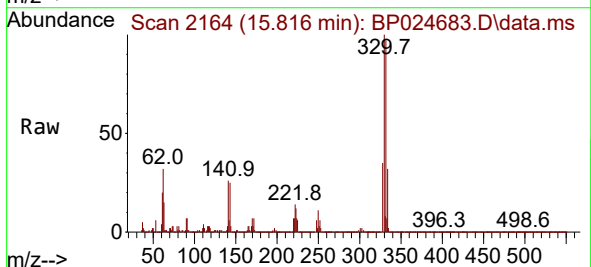
Tgt Ion:330 Resp: 805552

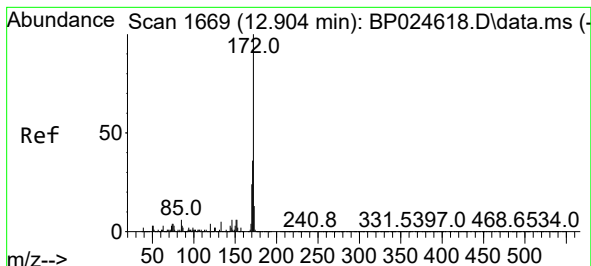
Ion Ratio Lower Upper

330 100

332 96.7 78.2 117.4

141 27.2 24.3 36.5

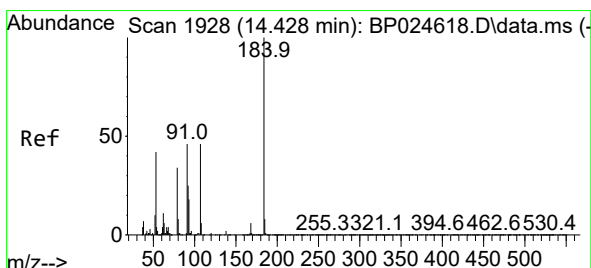
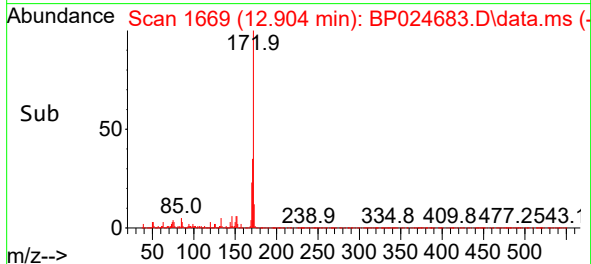
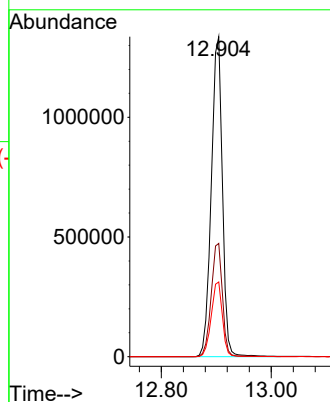
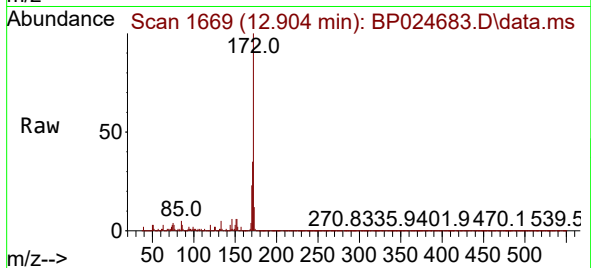




#45
2-Fluorobiphenyl
Concen: 81.083 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024683.D
Acq: 17 May 2025 09:22

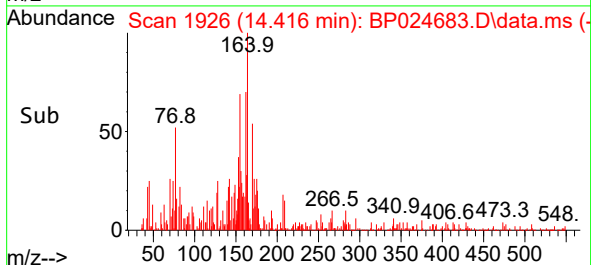
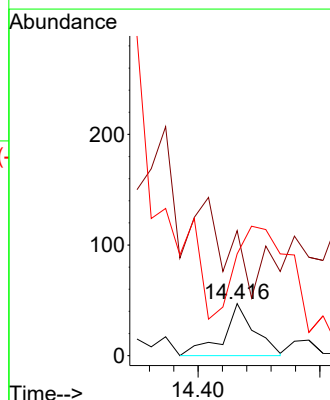
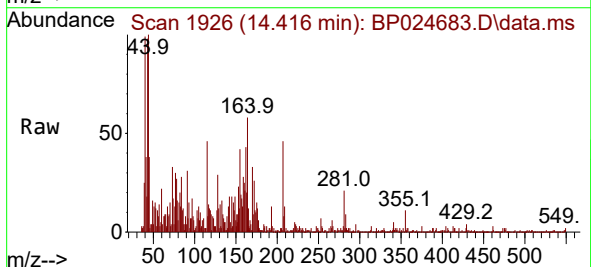
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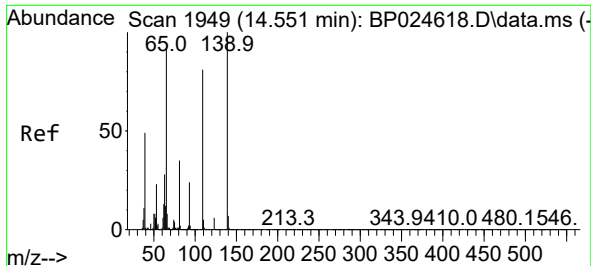
Tgt Ion:172 Resp: 1873487
Ion Ratio Lower Upper
172 100
171 35.4 28.8 43.2
170 23.4 18.8 28.2



#54
2,4-Dinitrophenol
Concen: 6.414 ng
RT: 14.416 min Scan# 1926
Delta R.T. -0.012 min
Lab File: BP024683.D
Acq: 17 May 2025 09:22

Tgt Ion:184 Resp: 42
Ion Ratio Lower Upper
184 100
63 240.4 51.3 76.9#
154 195.7 53.5 80.3#

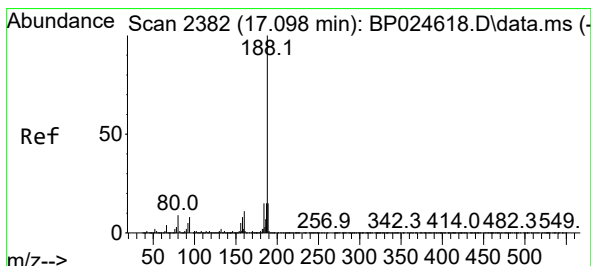
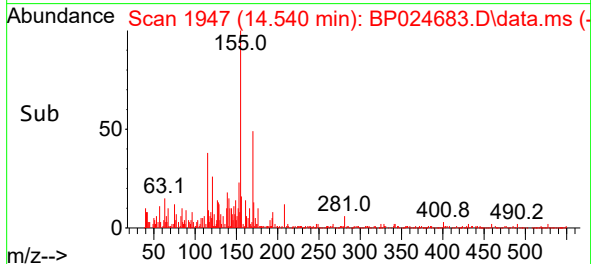
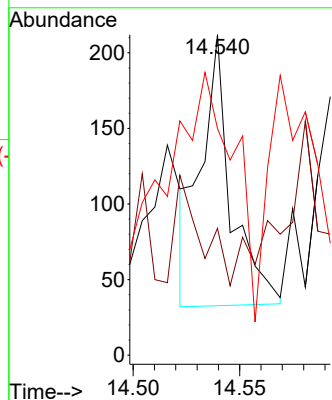
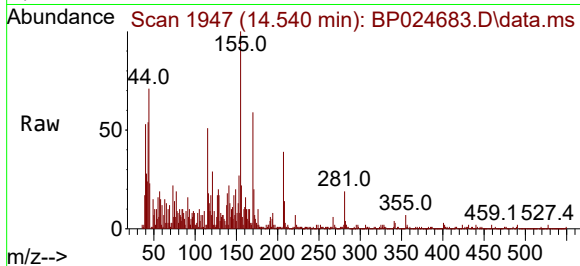




#56
4-Nitrophenol
Concen: 4.273 ng
RT: 14.540 min Scan# 1947
Delta R.T. -0.011 min
Lab File: BP024683.D
Acq: 17 May 2025 09:22

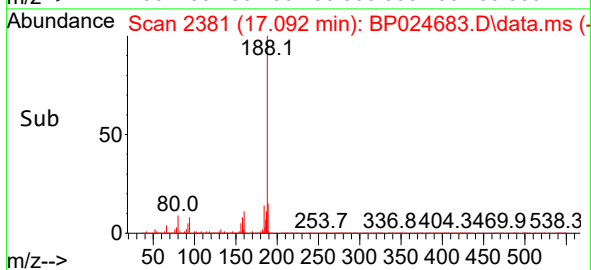
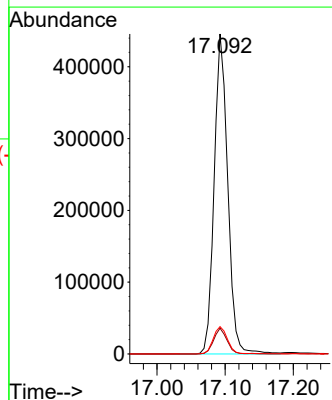
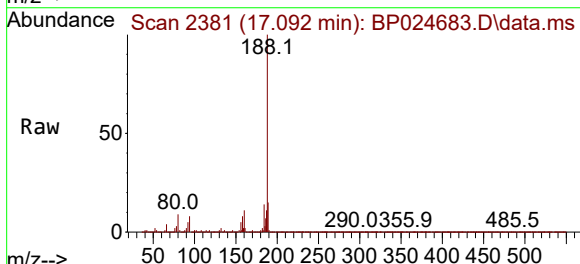
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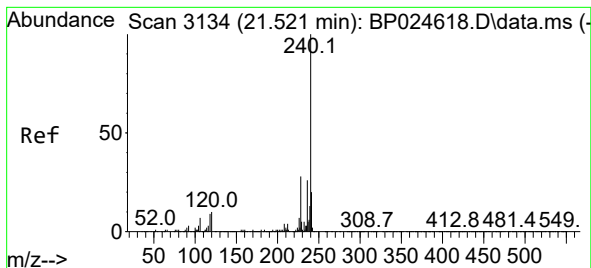
Tgt Ion:139 Resp: 177
Ion Ratio Lower Upper
139 100
109 39.6 61.4 101.4#
65 70.8 72.2 112.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.092 min Scan# 2381
Delta R.T. -0.006 min
Lab File: BP024683.D
Acq: 17 May 2025 09:22

Tgt Ion:188 Resp: 616433
Ion Ratio Lower Upper
188 100
94 8.0 6.5 9.7
80 8.6 7.3 10.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.516 min Scan# 3134

Delta R.T. -0.006 min

Lab File: BP024683.D

Acq: 17 May 2025 09:22

Instrument :

BNA_P

ClientSampleId :

B27-SOIL-SAMPLE

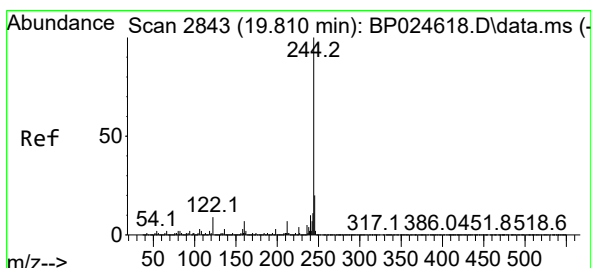
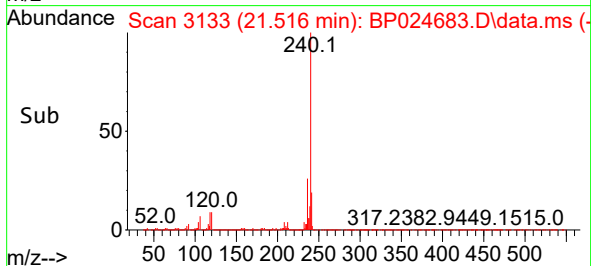
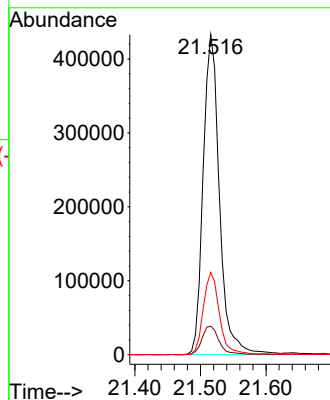
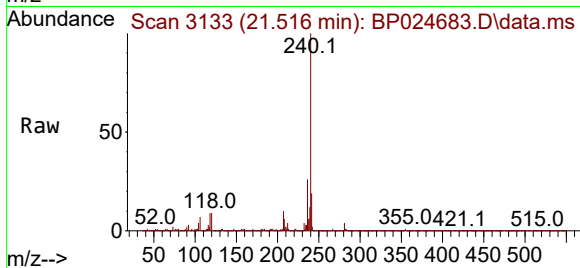
Tgt Ion:240 Resp: 751392

Ion Ratio Lower Upper

240 100

120 8.9 7.8 11.6

236 25.7 20.6 31.0



#79

Terphenyl-d14

Concen: 88.920 ng

RT: 19.822 min Scan# 2845

Delta R.T. 0.012 min

Lab File: BP024683.D

Acq: 17 May 2025 09:22

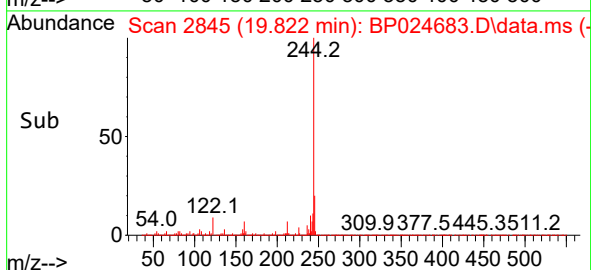
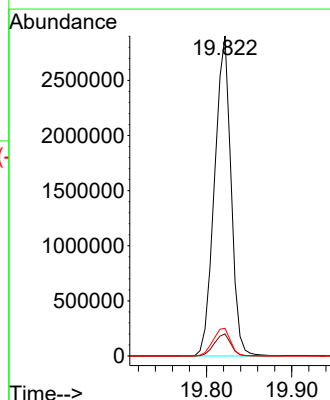
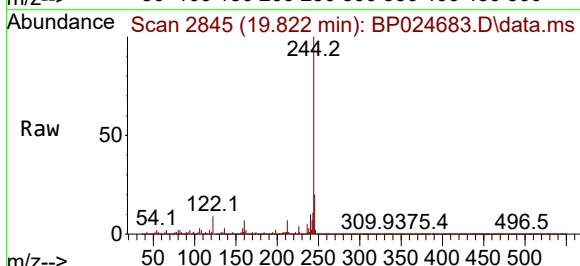
Tgt Ion:244 Resp: 3896537

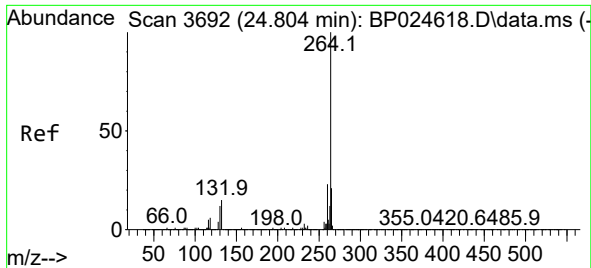
Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

122 8.7 7.4 11.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.798 min Scan# 30
 Delta R.T. -0.006 min
 Lab File: BP024683.D
 Acq: 17 May 2025 09:22

Instrument :
 BNA_P
 ClientSampleId :
 B27-SOIL-SAMPLE

Tgt Ion:	264	Resp:	888364
Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.7	28.1
265	22.2	17.0	25.6

