

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
 Data File : BP024902.D
 Acq On : 10 Jun 2025 20:32
 Operator : RC/JU
 Sample : Q2161-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B27-SOIL-SAMPLE

Quant Time: Jun 11 02:05:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 06 16:20:27 2025
 Response via : Initial Calibration

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

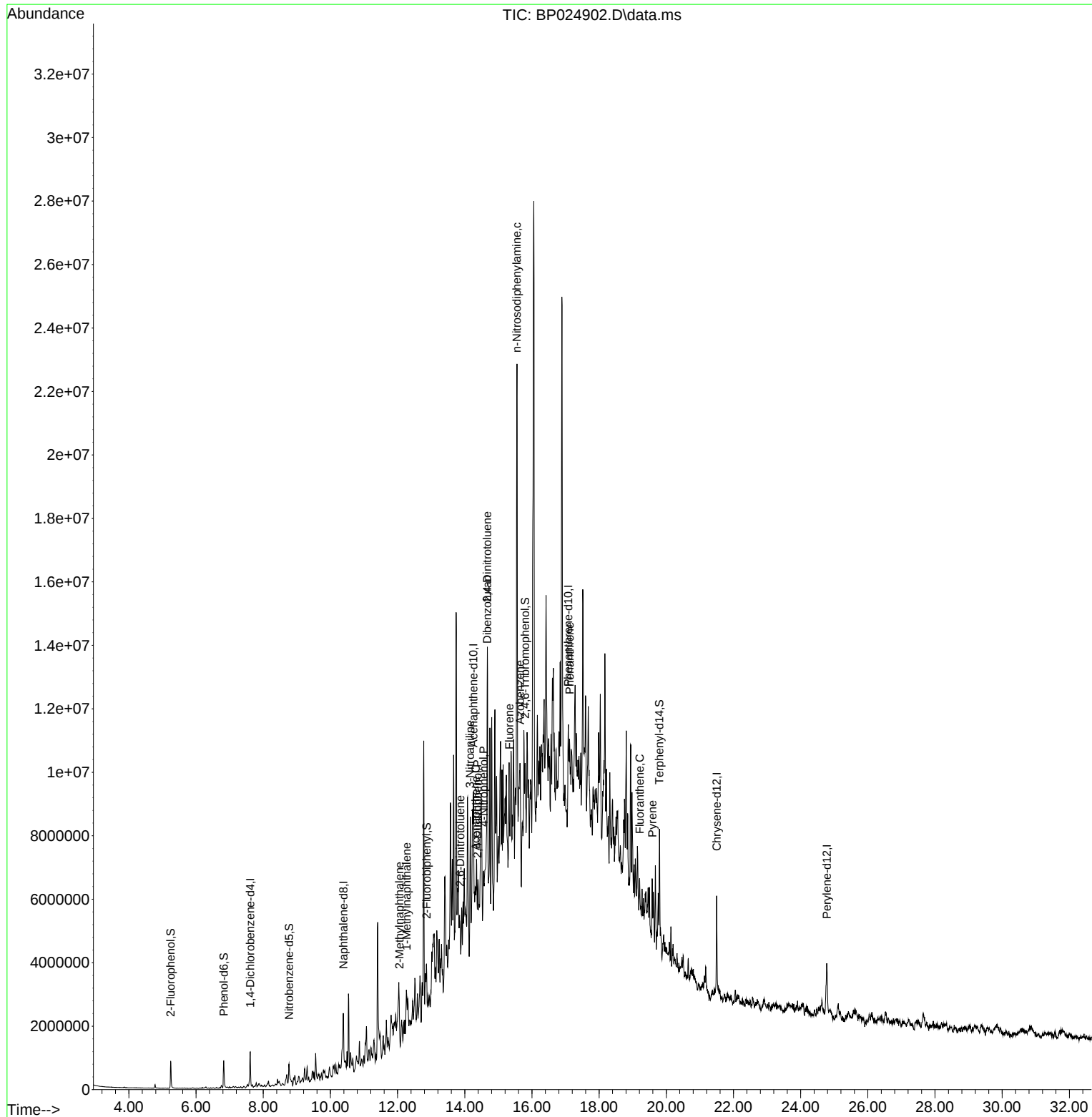
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.613	152	321306	20.000	ng	0.00
21) Naphthalene-d8	10.384	136	1267587	20.000	ng	# 0.00
39) Acenaphthene-d10	14.260	164	729618	20.000	ng	0.01
64) Phenanthrene-d10	17.078	188	1376294	20.000	ng	0.02
76) Chrysene-d12	21.501	240	1559876	20.000	ng	0.02
86) Perylene-d12	24.777	264	1873067	20.000	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.243	112	421429	21.893	ng	0.00
7) Phenol-d6	6.825	99	619967	24.342	ng	0.01
23) Nitrobenzene-d5	8.766	82	390839	14.983	ng	0.00
42) 2,4,6-Tribromophenol	15.795	330	163545	16.213	ng	0.01
45) 2-Fluorobiphenyl	12.860	172	905209	16.713	ng	0.00
79) Terphenyl-d14	19.795	244	1513739	17.392	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.054	142	437499	10.618	ng	98
38) 1-Methylnaphthalene	12.272	142	447846	10.166	ng	99
51) 2,6-Dinitrotoluene	13.866	165	26339	2.270	ng	# 48
52) Acenaphthene	14.325	154	122453	3.145	ng	# 88
53) 3-Nitroaniline	14.160	138	58660	4.872	ng	# 28
54) 2,4-Dinitrophenol	14.378	184	4371	6.102	ng	# 1
55) Dibenzofuran	14.666	168	193038	3.089	ng	# 1
56) 4-Nitrophenol	14.560	139	44983	9.524	ng	# 8
57) 2,4-Dinitrotoluene	14.672	165	146510	9.027	ng	# 60
58) Fluorene	15.325	166	298706	5.916	ng	# 78
63) Azobenzene	15.648	77	178109	3.620	ng	# 11
66) n-Nitrosodiphenylamine	15.548	169	1323926	31.035	ng	# 45
71) Phenanthrene	17.119	178	1188412	15.626	ng	# 89
75) Fluoranthene	19.207	202	199662	2.265	ng	72
78) Pyrene	19.583	202	508599	5.219	ng	# 93

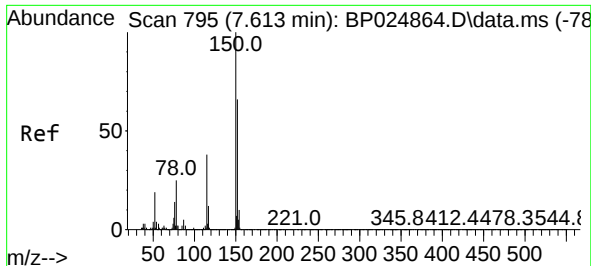
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
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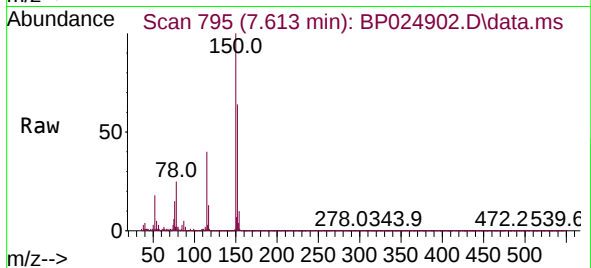
Quant Time: Jun 11 02:05:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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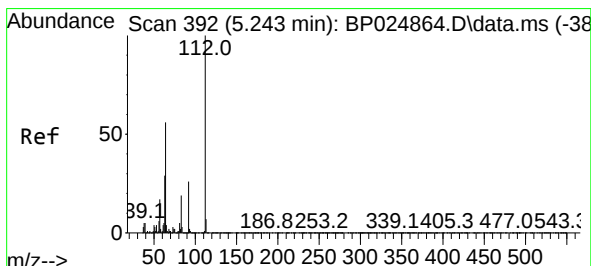
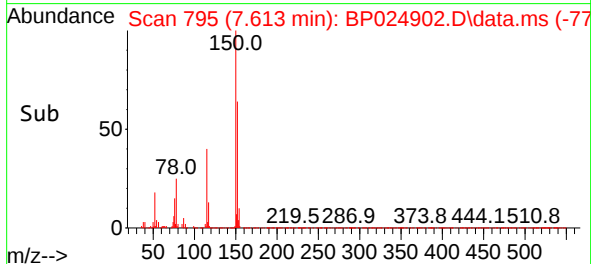
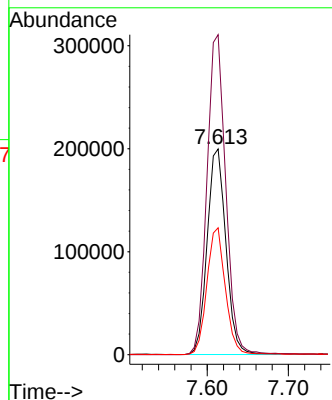


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.613 min Scan# 795
Delta R.T. 0.000 min
Lab File: BP024902.D
Acq: 10 Jun 2025 20:32

Instrument :
BNA_P
ClientSampleId :
B27-SOIL-SAMPLE

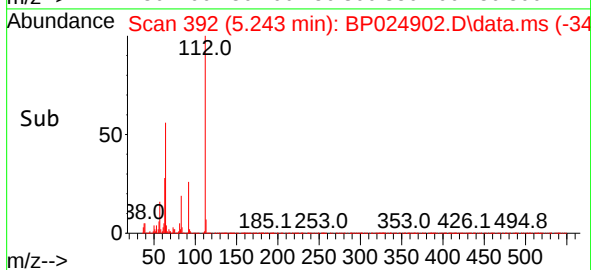
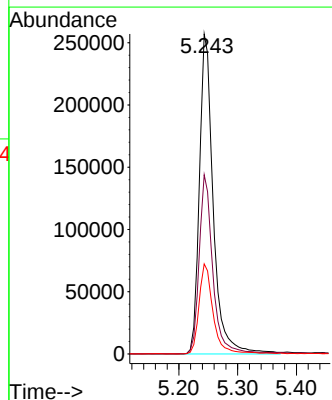
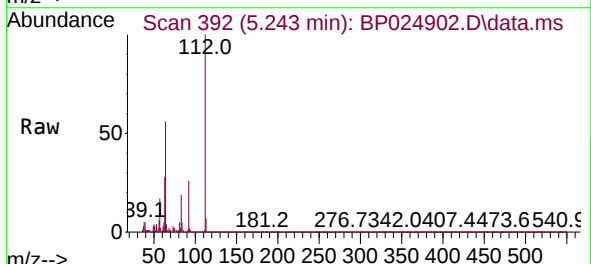


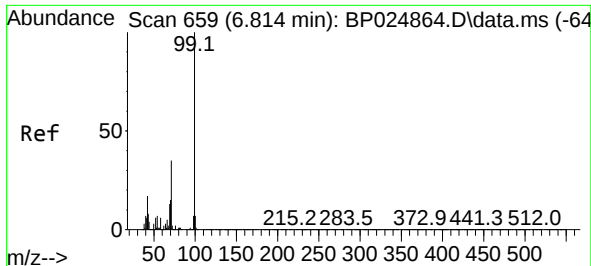
Tgt Ion:152 Resp: 321306
Ion Ratio Lower Upper
152 100
150 155.5 122.1 183.1
115 61.6 46.4 69.6



#5
2-Fluorophenol
Concen: 21.893 ng
RT: 5.243 min Scan# 392
Delta R.T. -0.000 min
Lab File: BP024902.D
Acq: 10 Jun 2025 20:32

Tgt Ion:112 Resp: 421429
Ion Ratio Lower Upper
112 100
64 56.0 44.7 67.1
63 28.1 23.5 35.3

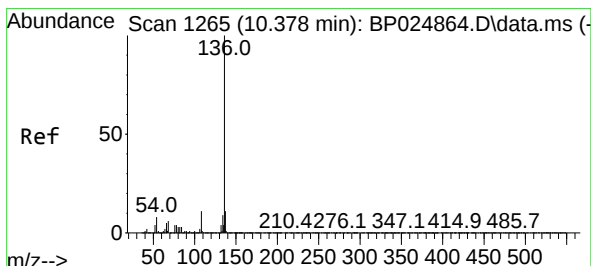
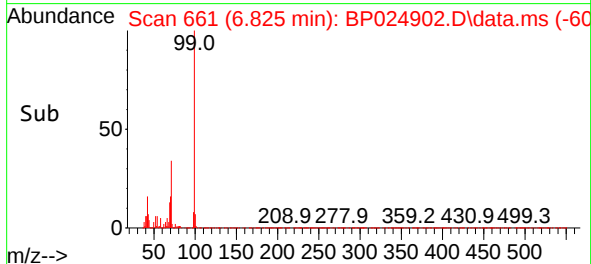
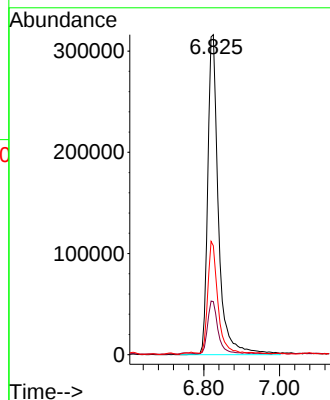
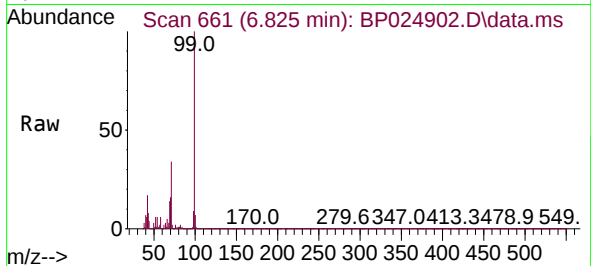




#7
Phenol-d6
Concen: 24.342 ng
RT: 6.825 min Scan# 61
Delta R.T. 0.012 min
Lab File: BP024902.D
Acq: 10 Jun 2025 20:32

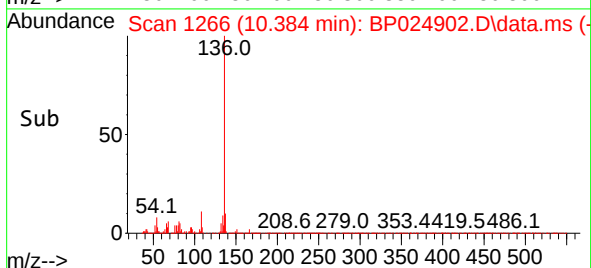
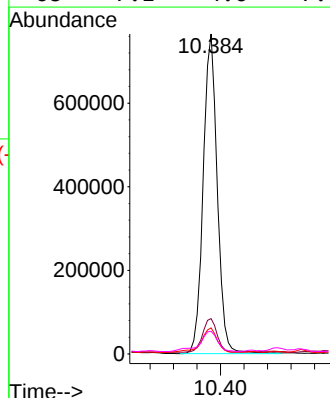
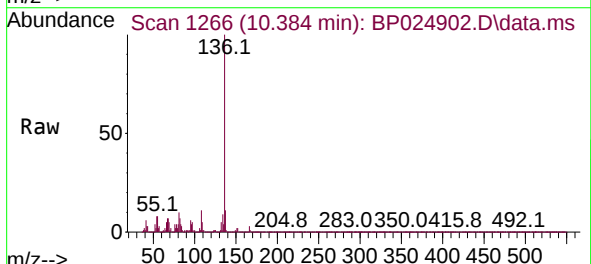
Instrument :
BNA_P
ClientSampleId :
B27-SOIL-SAMPLE

Tgt Ion: 99 Resp: 619967
Ion Ratio Lower Upper
99 100
42 16.6 13.4 20.2
71 34.1 27.6 41.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.384 min Scan# 1266
Delta R.T. 0.006 min
Lab File: BP024902.D
Acq: 10 Jun 2025 20:32

Tgt Ion: 136 Resp: 1267587
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 8.2 6.1 9.1
68 7.1 4.6 7.0#

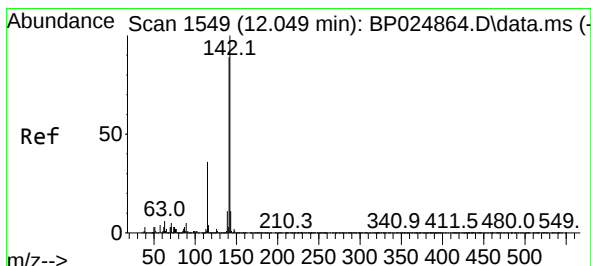
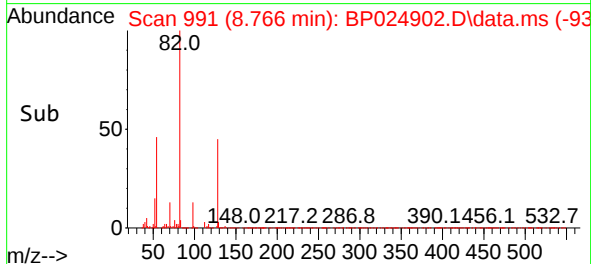
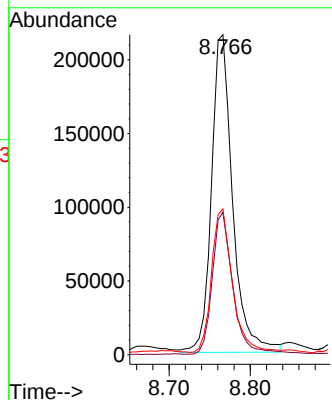
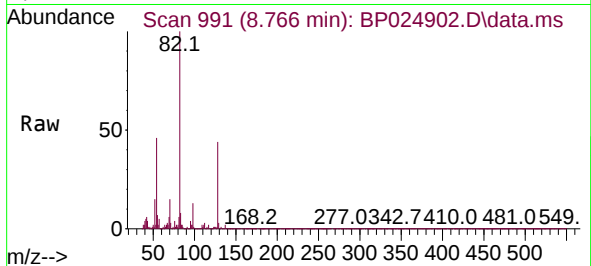




#23
Nitrobenzene-d5
Concen: 14.983 ng
RT: 8.766 min Scan# 991
Delta R.T. 0.006 min
Lab File: BP024902.D
Acq: 10 Jun 2025 20:32

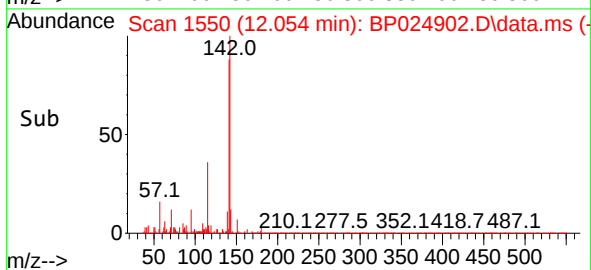
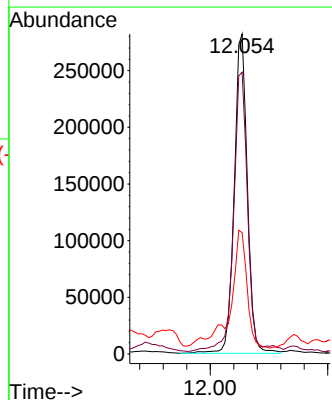
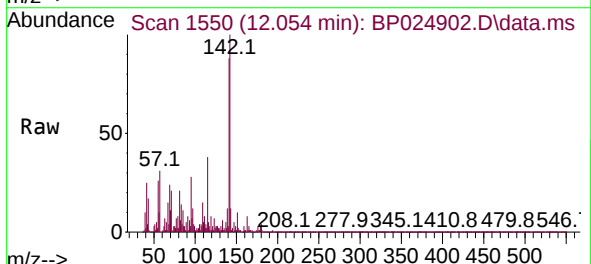
Instrument :
BNA_P
ClientSampleId :
B27-SOIL-SAMPLE

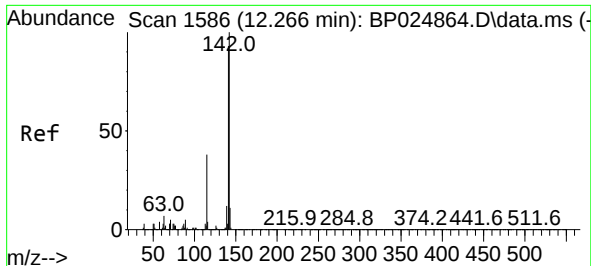
Tgt Ion: 82 Resp: 390839
Ion Ratio Lower Upper
82 100
128 44.5 35.3 52.9
54 45.6 37.4 56.0



#37
2-Methylnaphthalene
Concen: 10.618 ng
RT: 12.054 min Scan# 1550
Delta R.T. 0.006 min
Lab File: BP024902.D
Acq: 10 Jun 2025 20:32

Tgt Ion: 142 Resp: 437499
Ion Ratio Lower Upper
142 100
141 88.0 71.2 106.8
115 37.9 28.5 42.7

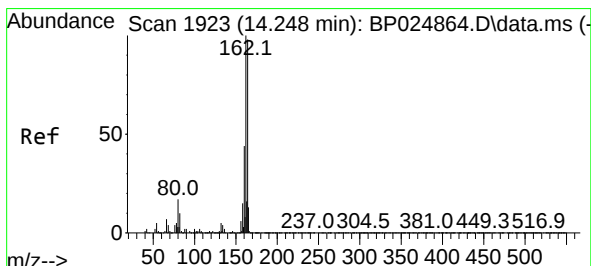
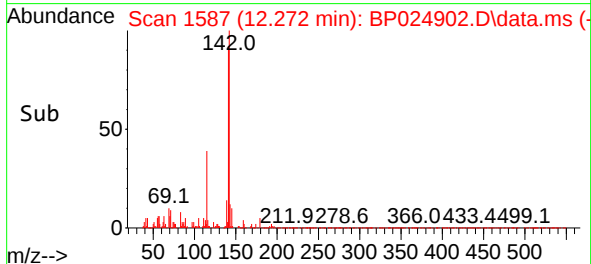
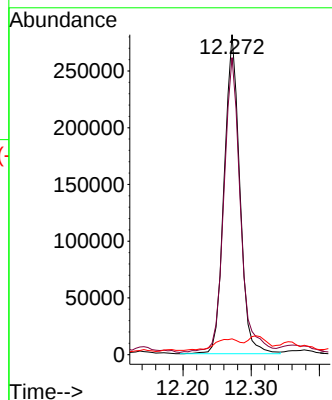
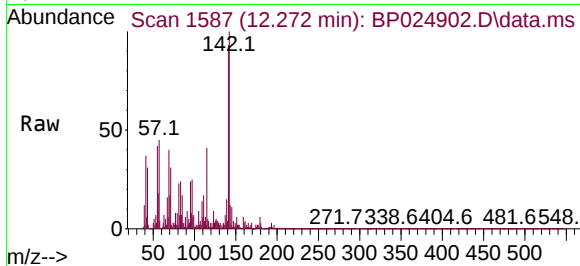




#38
1-Methylnaphthalene
Concen: 10.166 ng
RT: 12.272 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024902.D
Acq: 10 Jun 2025 20:32

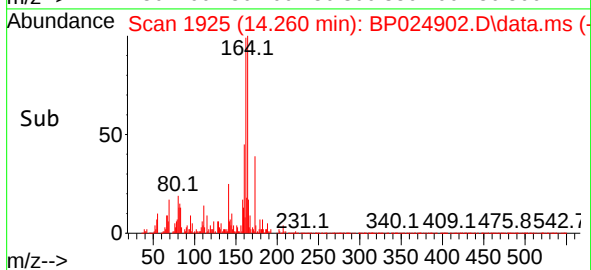
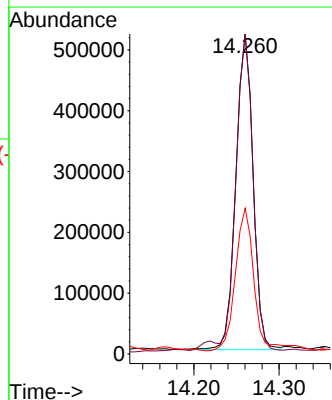
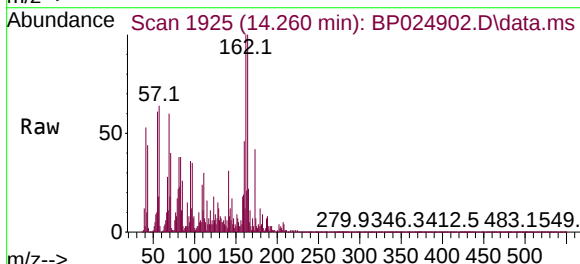
Instrument :
BNA_P
ClientSampleId :
B27-SOIL-SAMPLE

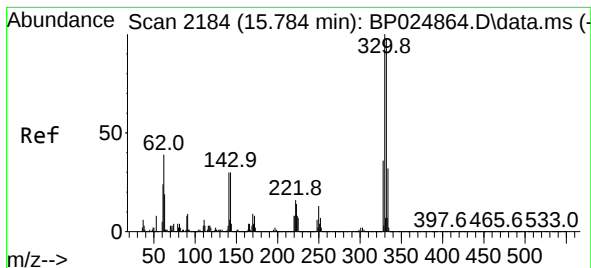
Tgt Ion:142 Resp: 447846
Ion Ratio Lower Upper
142 100
141 92.8 74.7 112.1
116 5.0 3.4 5.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.260 min Scan# 1925
Delta R.T. 0.012 min
Lab File: BP024902.D
Acq: 10 Jun 2025 20:32

Tgt Ion:164 Resp: 729618
Ion Ratio Lower Upper
164 100
162 100.2 81.6 122.4
160 45.6 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 16.213 ng

RT: 15.795 min Scan# 2184

Delta R.T. 0.012 min

Lab File: BP024902.D

Acq: 10 Jun 2025 20:32

Instrument :

BNA_P

ClientSampleId :

B27-SOIL-SAMPLE

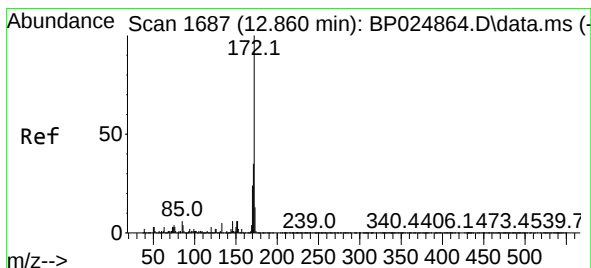
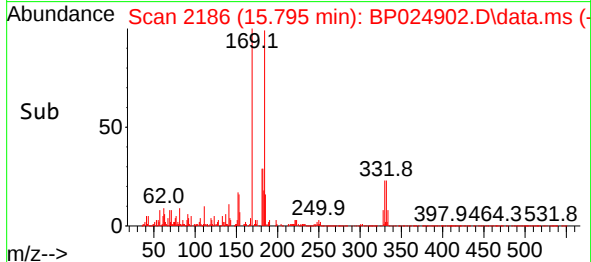
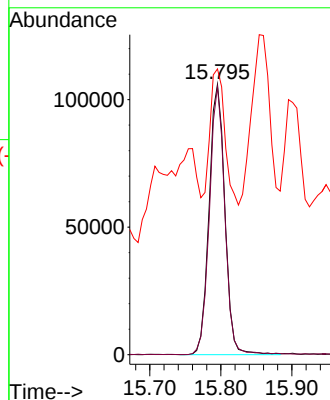
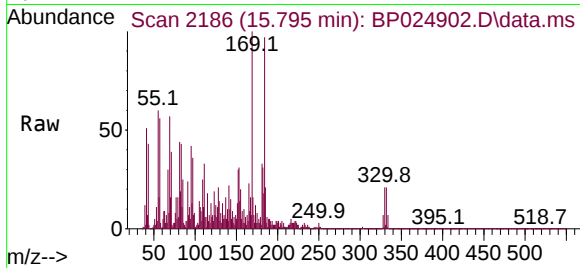
Tgt Ion:330 Resp: 163545

Ion Ratio Lower Upper

330 100

332 96.8 77.7 116.5

141 46.5 26.4 39.6#



#45

2-Fluorobiphenyl

Concen: 16.713 ng

RT: 12.860 min Scan# 1687

Delta R.T. -0.000 min

Lab File: BP024902.D

Acq: 10 Jun 2025 20:32

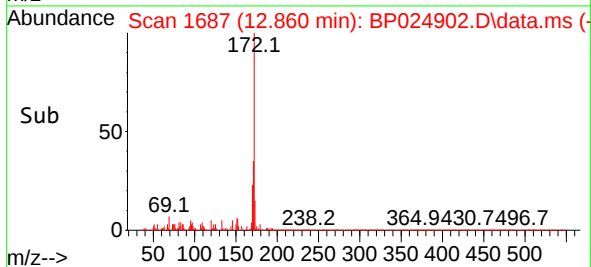
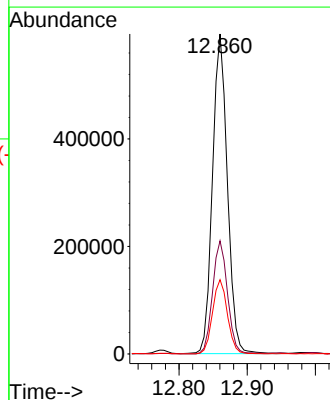
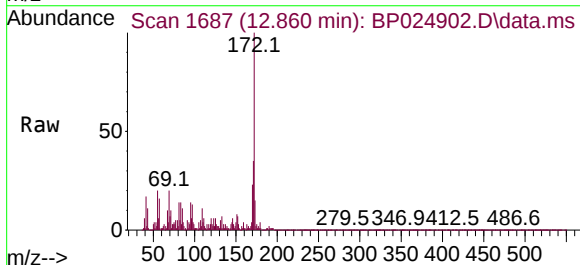
Tgt Ion:172 Resp: 905209

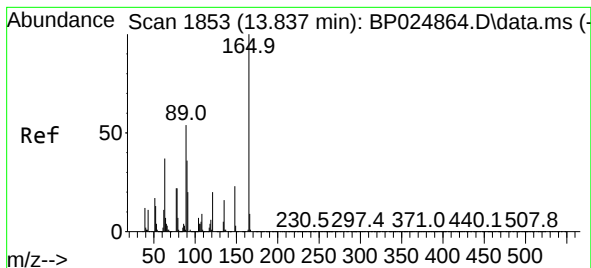
Ion Ratio Lower Upper

172 100

171 35.3 28.3 42.5

170 23.2 19.0 28.4

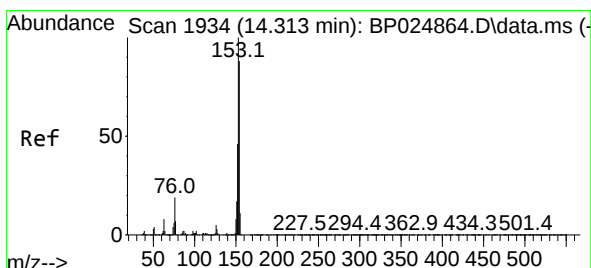
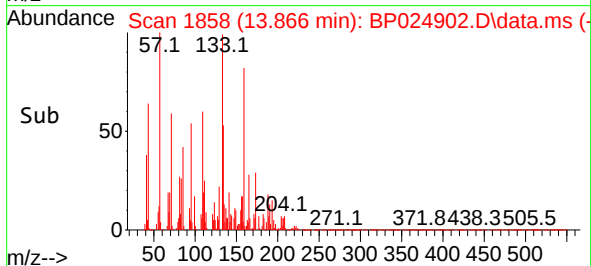
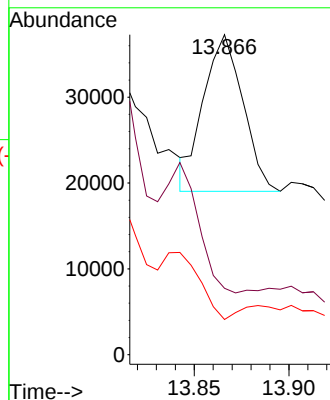
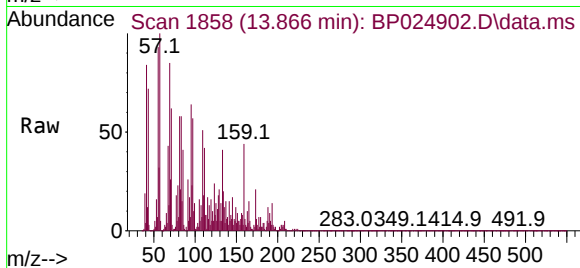




#51
2,6-Dinitrotoluene
Concen: 2.270 ng
RT: 13.866 min Scan# 11
Delta R.T. 0.029 min
Lab File: BP024902.D
Acq: 10 Jun 2025 20:32

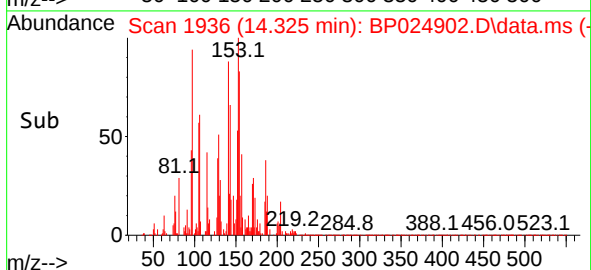
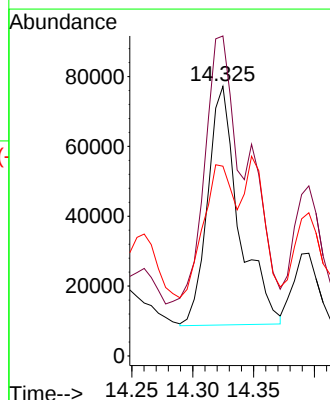
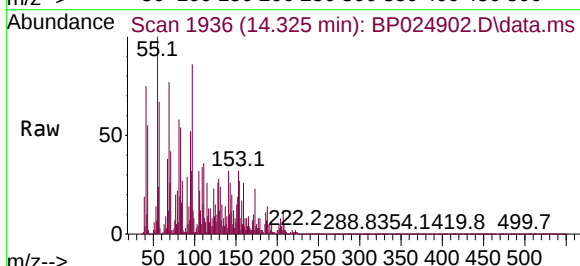
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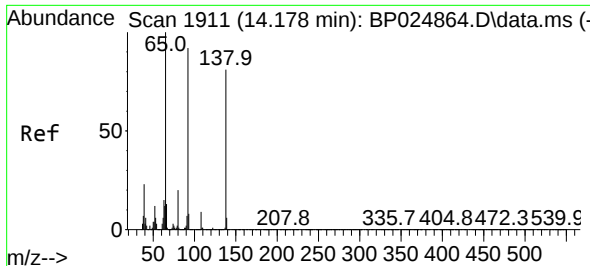
Tgt Ion:165 Resp: 26339
Ion Ratio Lower Upper
165 100
63 20.7 41.8 62.8#
89 11.0 43.1 64.7#



#52
Acenaphthene
Concen: 3.145 ng
RT: 14.325 min Scan# 1936
Delta R.T. 0.012 min
Lab File: BP024902.D
Acq: 10 Jun 2025 20:32

Tgt Ion:154 Resp: 122453
Ion Ratio Lower Upper
154 100
153 118.7 90.5 135.7
152 70.3 42.1 63.1#

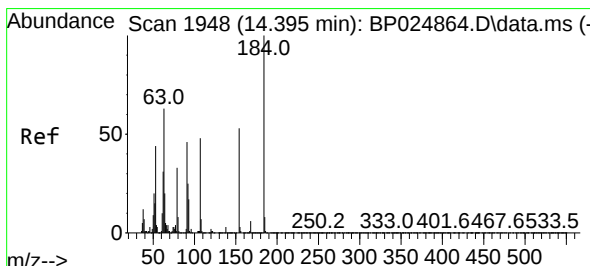
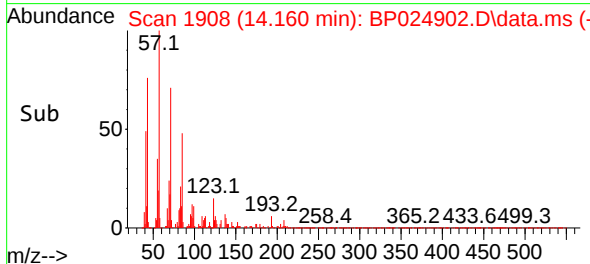
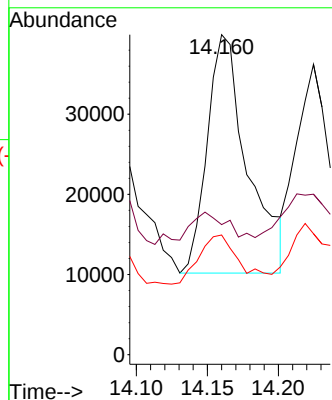
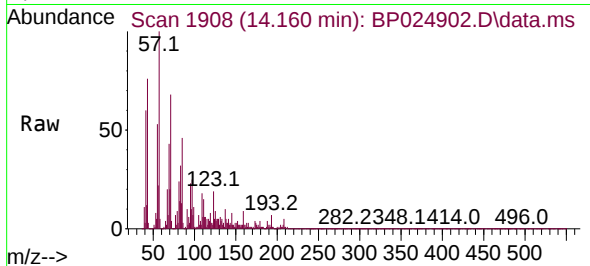




#53
3-Nitroaniline
Concen: 4.872 ng
RT: 14.160 min Scan# 1908
Delta R.T. -0.018 min
Lab File: BP024902.D
Acq: 10 Jun 2025 20:32

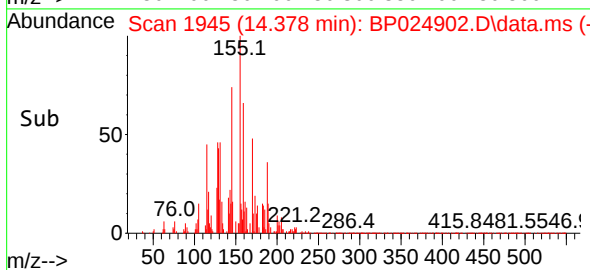
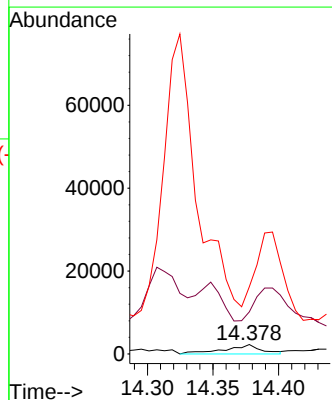
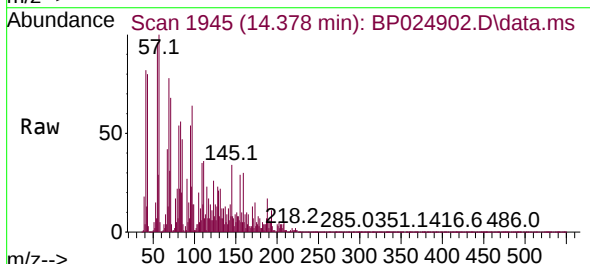
Instrument :
BNA_P
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B27-SOIL-SAMPLE

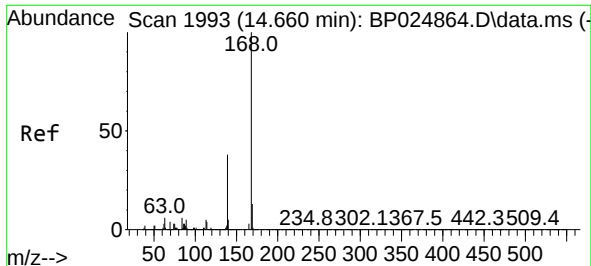
Tgt Ion:138 Resp: 58660
Ion Ratio Lower Upper
138 100
108 40.6 8.6 12.8#
92 37.4 91.3 136.9#



#54
2,4-Dinitrophenol
Concen: 6.102 ng
RT: 14.378 min Scan# 1945
Delta R.T. -0.017 min
Lab File: BP024902.D
Acq: 10 Jun 2025 20:32

Tgt Ion:184 Resp: 4371
Ion Ratio Lower Upper
184 100
63 447.3 51.0 76.4#
154 712.8 51.7 77.5#

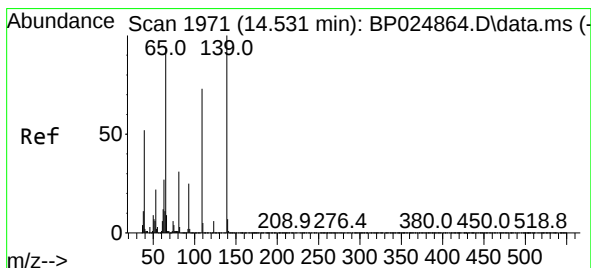
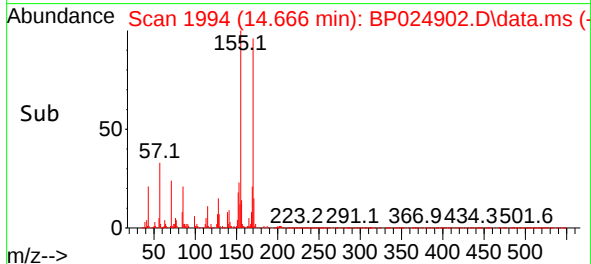
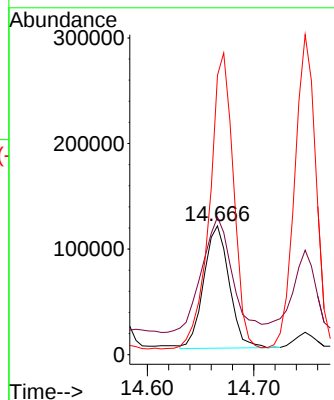
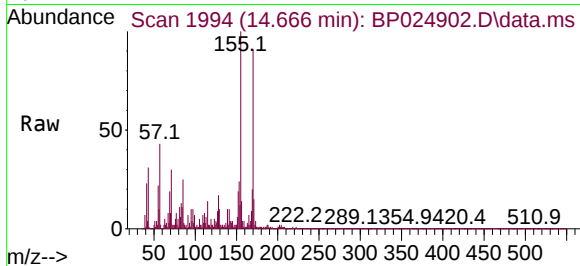




#55
Dibenzofuran
Concen: 3.089 ng
RT: 14.666 min Scan# 1993
Delta R.T. 0.006 min
Lab File: BP024902.D
Acq: 10 Jun 2025 20:32

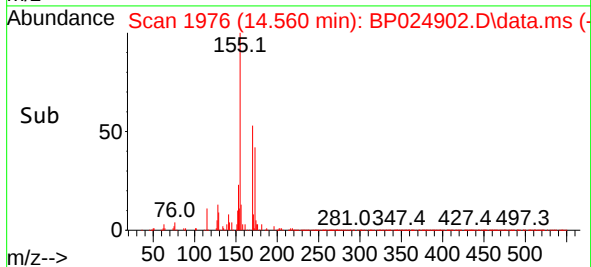
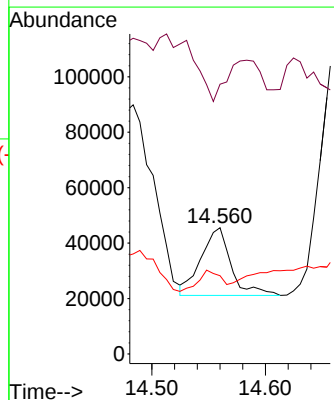
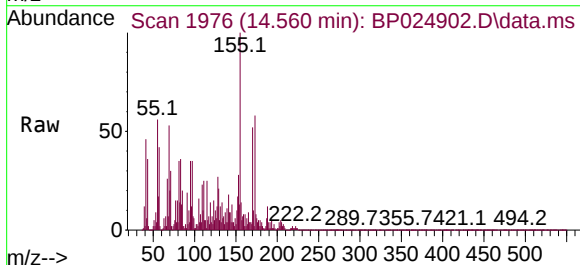
Instrument :
BNA_P
ClientSampleId :
B27-SOIL-SAMPLE

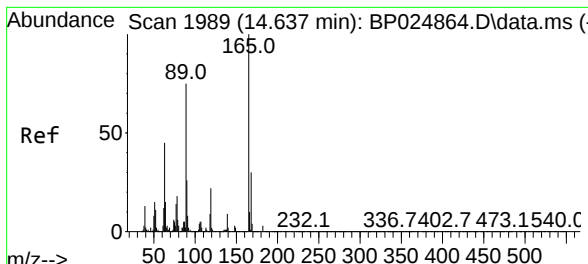
Tgt Ion:168 Resp: 193038
Ion Ratio Lower Upper
168 100
139 106.9 31.6 47.4#
169 216.9 10.6 15.8#



#56
4-Nitrophenol
Concen: 9.524 ng
RT: 14.560 min Scan# 1976
Delta R.T. 0.029 min
Lab File: BP024902.D
Acq: 10 Jun 2025 20:32

Tgt Ion:139 Resp: 44983
Ion Ratio Lower Upper
139 100
109 213.6 53.1 93.1#
65 62.0 73.0 113.0#



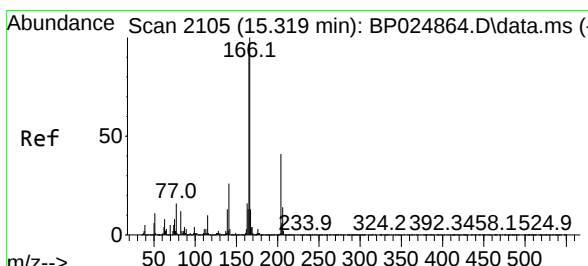
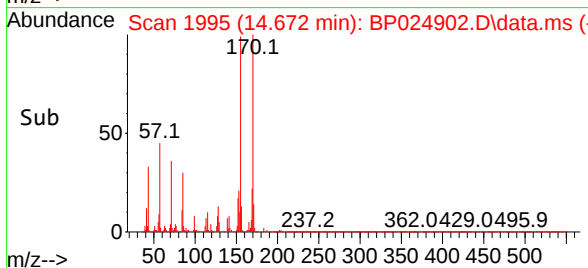
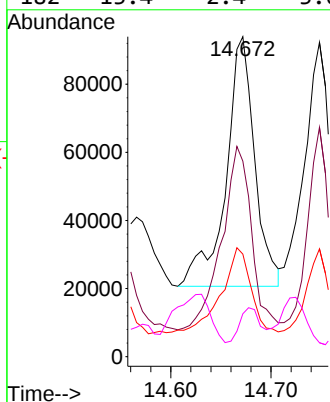
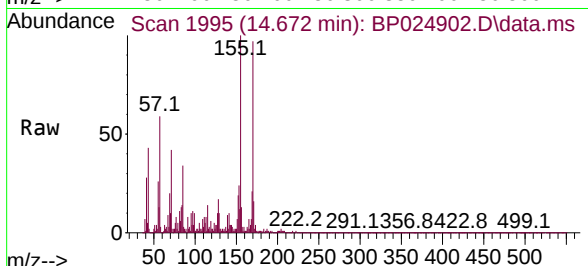


#57
2,4-Dinitrotoluene
Concen: 9.027 ng
RT: 14.672 min Scan# 1989
Delta R.T. 0.035 min
Lab File: BP024902.D
Acq: 10 Jun 2025 20:32

Instrument :
BNA_P
ClientSampleId :
B27-SOIL-SAMPLE

Tgt Ion:165 Resp: 146510

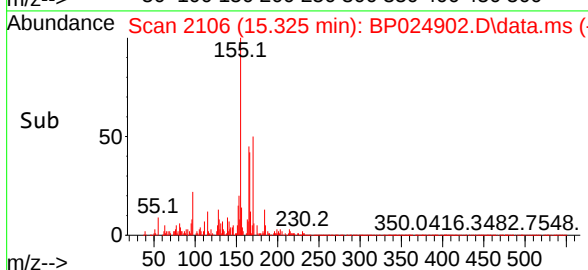
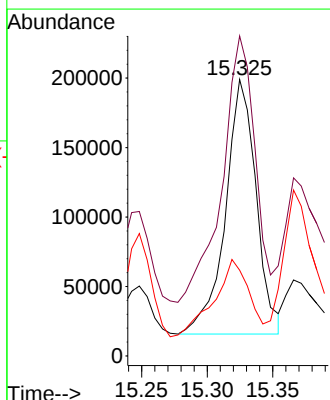
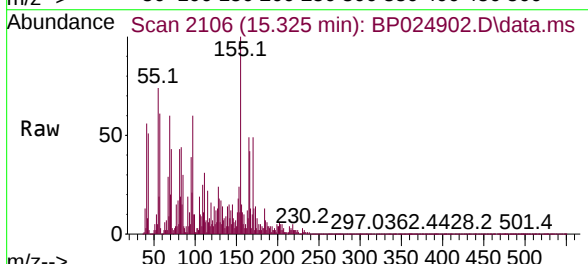
Ion	Ratio	Lower	Upper
165	100		
63	61.1	37.0	55.6#
89	32.0	60.1	90.1#
182	13.4	2.4	3.6#

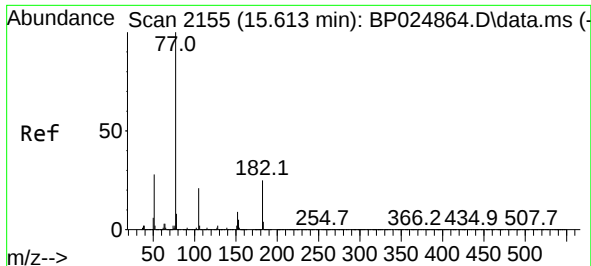


#58
Fluorene
Concen: 5.916 ng
RT: 15.325 min Scan# 2106
Delta R.T. 0.006 min
Lab File: BP024902.D
Acq: 10 Jun 2025 20:32

Tgt Ion:166 Resp: 298706

Ion	Ratio	Lower	Upper
166	100		
165	115.7	77.7	116.5
167	31.0	10.6	16.0#



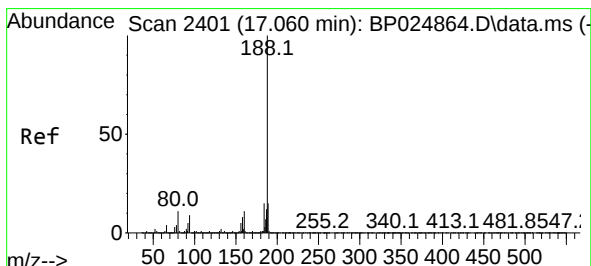
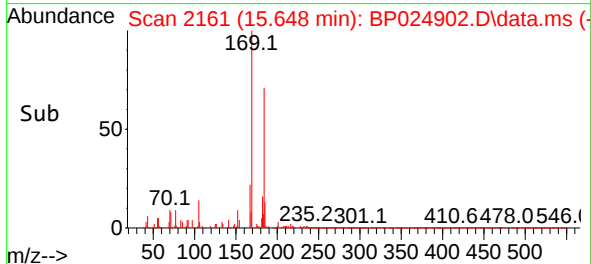
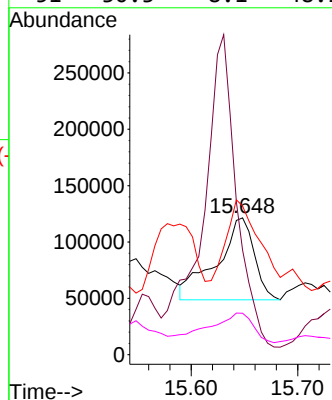
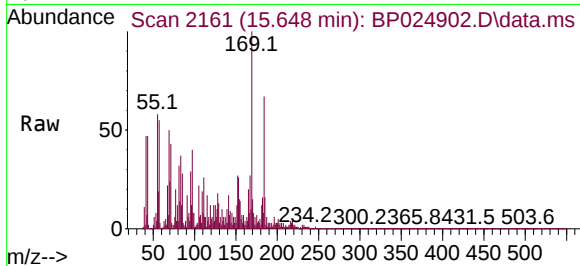


#63
Azobenzene
Concen: 3.620 ng
RT: 15.648 min Scan# 2155
Delta R.T. 0.035 min
Lab File: BP024902.D
Acq: 10 Jun 2025 20:32

Instrument :
BNA_P
ClientSampleId :
B27-SOIL-SAMPLE

Tgt Ion: 77 Resp: 178109

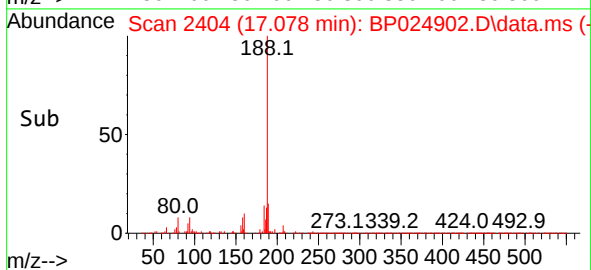
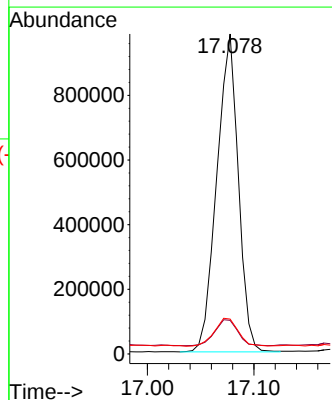
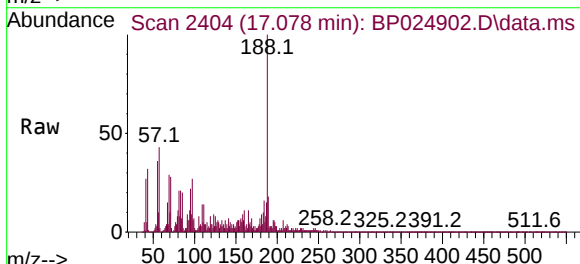
Ion	Ratio	Lower	Upper
77	100		
182	76.3	5.4	45.4#
105	108.7	0.8	40.8#
51	30.3	8.1	48.1

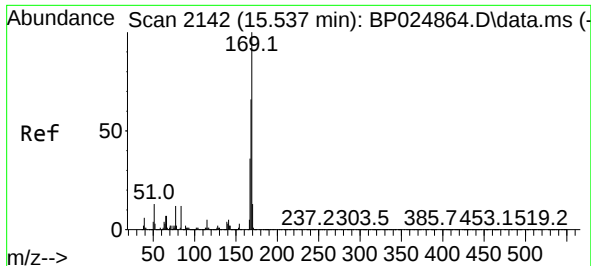


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.078 min Scan# 2404
Delta R.T. 0.018 min
Lab File: BP024902.D
Acq: 10 Jun 2025 20:32

Tgt Ion: 188 Resp: 1376294

Ion	Ratio	Lower	Upper
188	100		
94	10.5	7.3	10.9
80	10.9	8.5	12.7

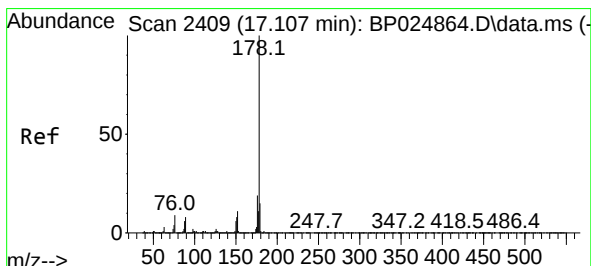
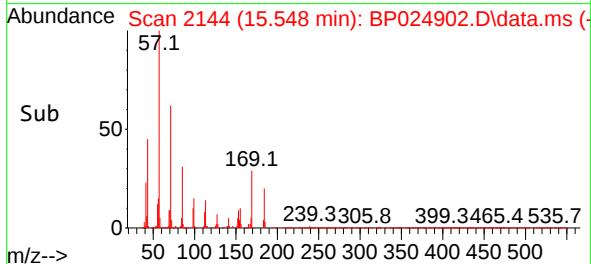
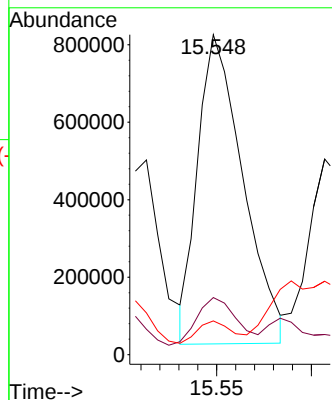
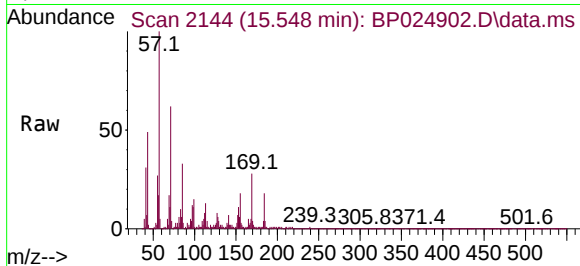




#66
n-Nitrosodiphenylamine
Concen: 31.035 ng
RT: 15.548 min Scan# 2142
Delta R.T. 0.012 min
Lab File: BP024902.D
Acq: 10 Jun 2025 20:32

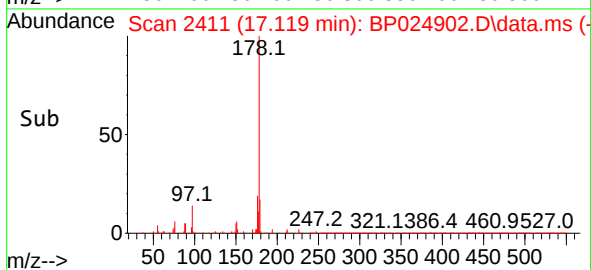
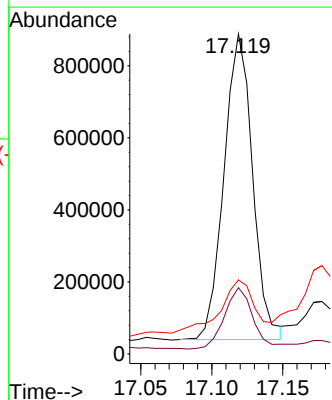
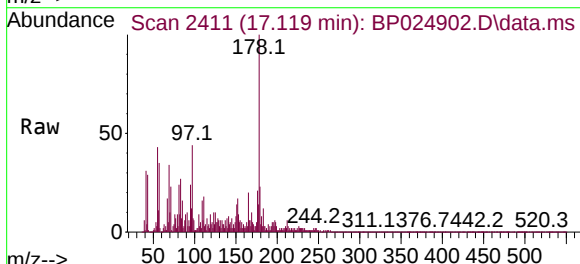
Instrument :
BNA_P
ClientSampleId :
B27-SOIL-SAMPLE

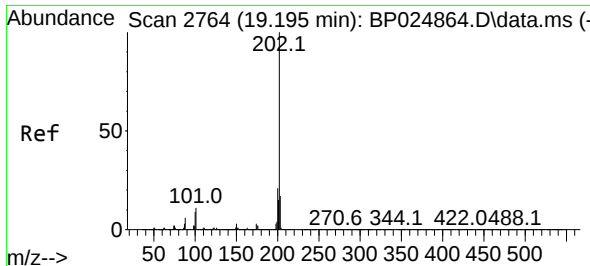
Tgt Ion:169 Resp: 1323926
Ion Ratio Lower Upper
169 100
168 17.8 53.0 79.6#
167 10.5 28.6 43.0#



#71
Phenanthrene
Concen: 15.626 ng
RT: 17.119 min Scan# 2411
Delta R.T. 0.012 min
Lab File: BP024902.D
Acq: 10 Jun 2025 20:32

Tgt Ion:178 Resp: 1188412
Ion Ratio Lower Upper
178 100
176 20.7 15.3 22.9
179 23.1 12.1 18.1#

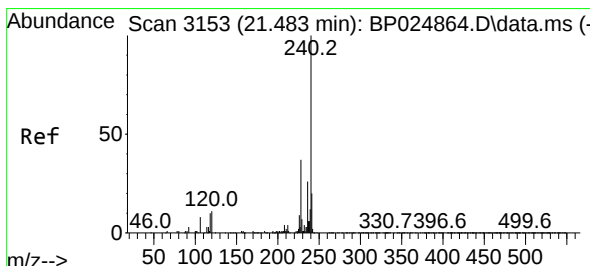
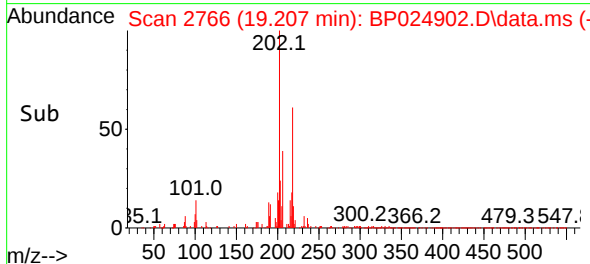
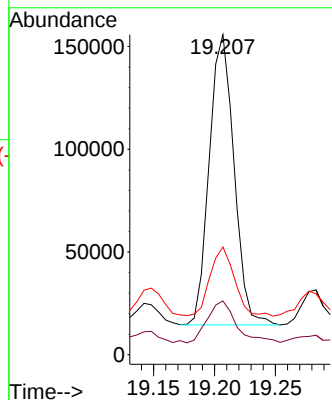
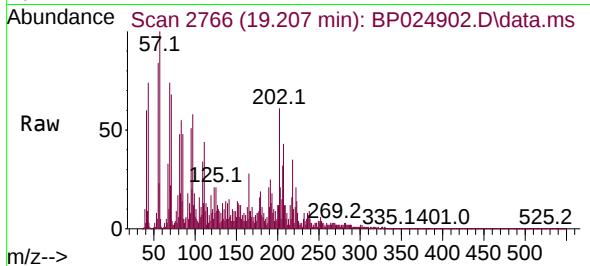




#75
Fluoranthene
Concen: 2.265 ng
RT: 19.207 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024902.D
Acq: 10 Jun 2025 20:32

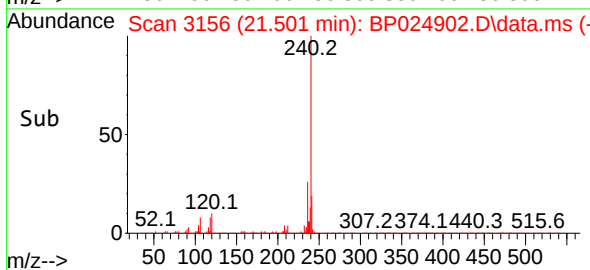
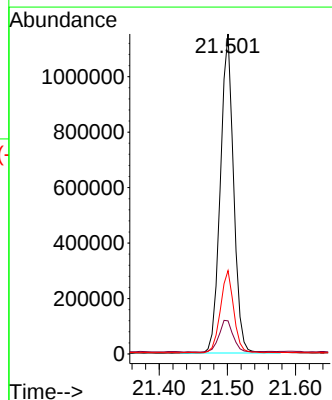
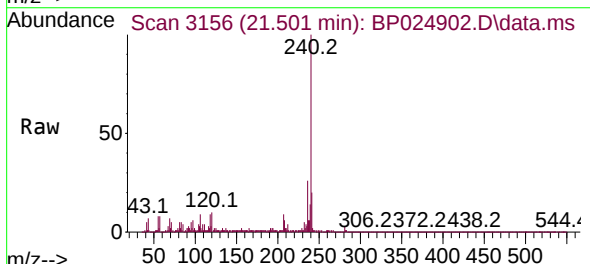
Instrument :
BNA_P
ClientSampleId :
B27-SOIL-SAMPLE

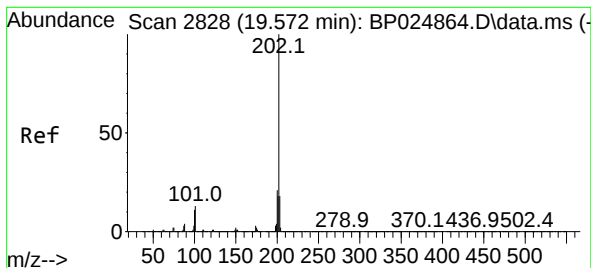
Tgt Ion:202 Resp: 199662
Ion Ratio Lower Upper
202 100
101 16.8 0.0 31.4
203 33.7 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.501 min Scan# 3156
Delta R.T. 0.017 min
Lab File: BP024902.D
Acq: 10 Jun 2025 20:32

Tgt Ion:240 Resp: 1559876
Ion Ratio Lower Upper
240 100
120 10.4 8.9 13.3
236 26.1 20.9 31.3





#78

Pyrene

Concen: 5.219 ng

RT: 19.583 min Scan# 2828

Delta R.T. 0.012 min

Lab File: BP024902.D

Acq: 10 Jun 2025 20:32

Instrument :

BNA_P

ClientSampleId :

B27-SOIL-SAMPLE

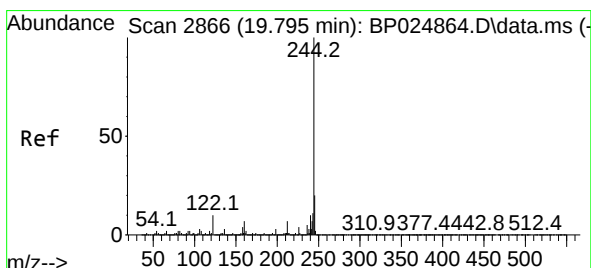
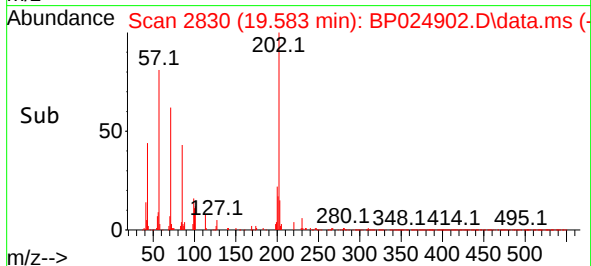
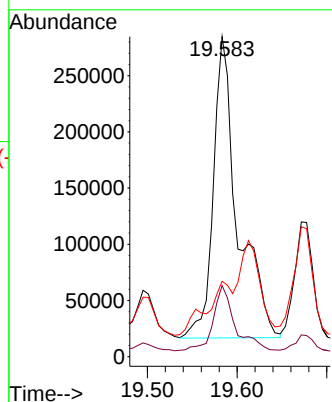
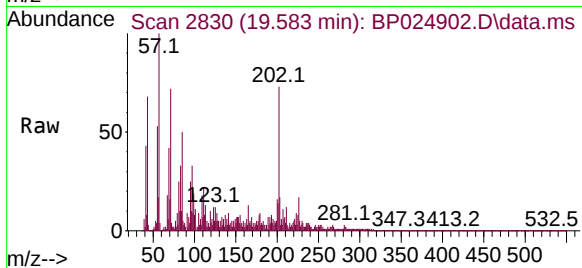
Tgt Ion:202 Resp: 508599

Ion Ratio Lower Upper

202 100

200 22.2 17.1 25.7

203 23.5 14.0 21.0#



#79

Terphenyl-d14

Concen: 17.392 ng

RT: 19.795 min Scan# 2866

Delta R.T. -0.000 min

Lab File: BP024902.D

Acq: 10 Jun 2025 20:32

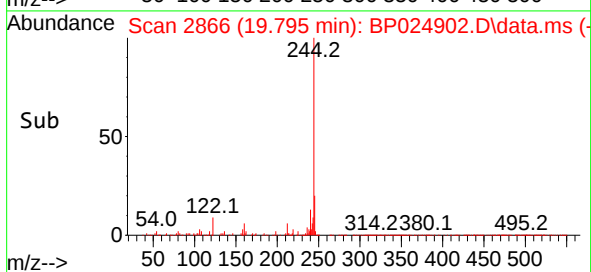
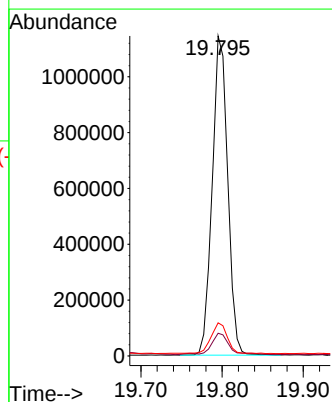
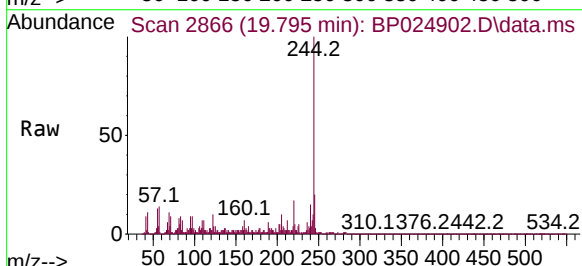
Tgt Ion:244 Resp: 1513739

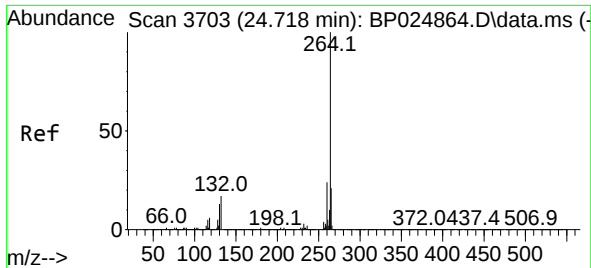
Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

122 10.3 7.7 11.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.777 min Scan# 31
 Delta R.T. 0.059 min
 Lab File: BP024902.D
 Acq: 10 Jun 2025 20:32

Instrument :
 BNA_P
 ClientSampleId :
 B27-SOIL-SAMPLE

Tgt Ion:264 Resp: 1873067
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.0 28.4
 265 22.0 17.4 26.0

