

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111325\
 Data File : BP026132.D
 Acq On : 13 Nov 2025 17:41
 Operator : RC/JU
 Sample : Q3618-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EME-TOP-SOIL

Quant Time: Nov 14 03:52:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 30 11:51:34 2025
 Response via : Initial Calibration

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

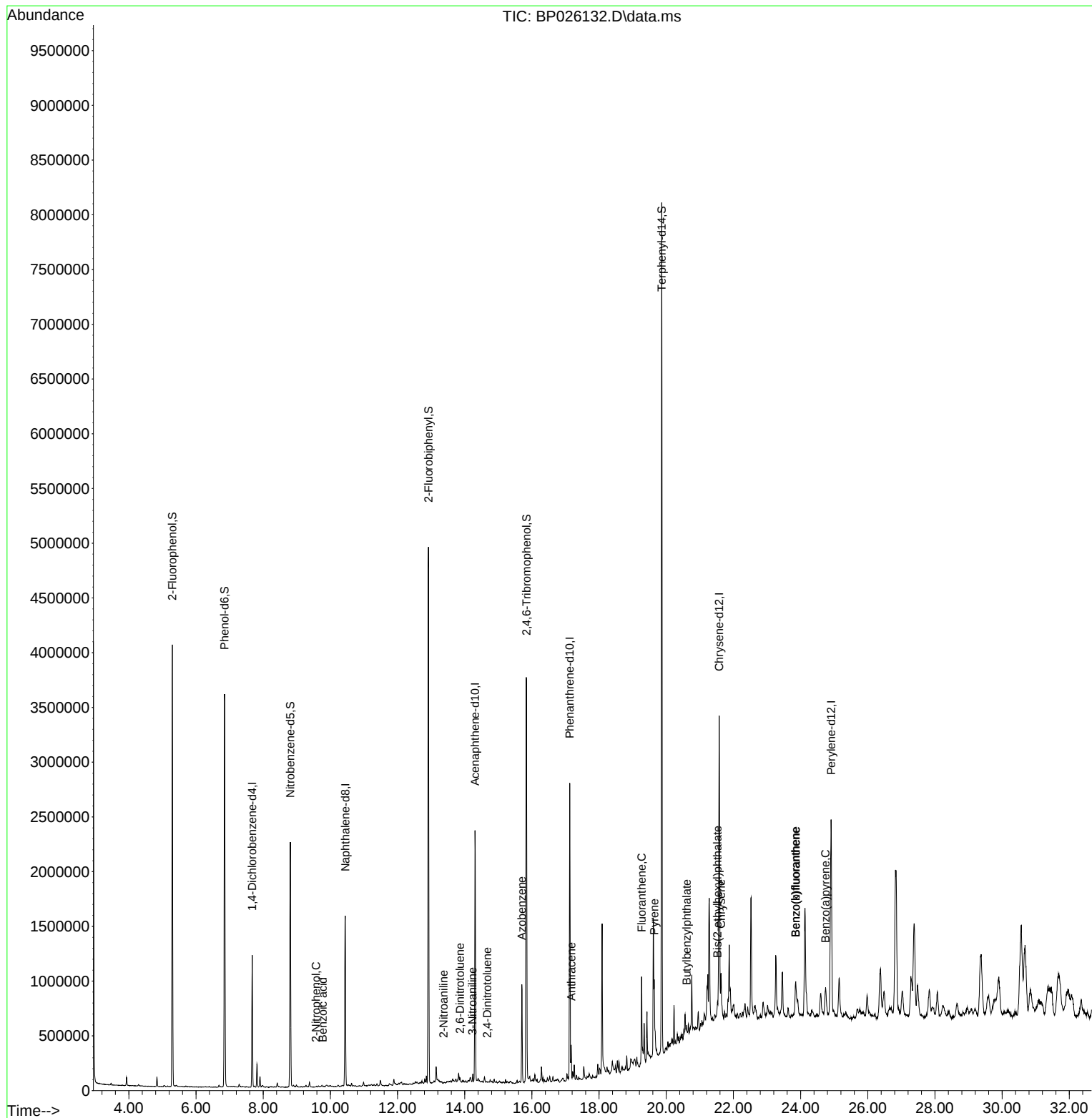
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.672	152	330501	20.000	ng	-0.02
21) Naphthalene-d8	10.443	136	1294500	20.000	ng	-0.01
39) Acenaphthene-d10	14.307	164	805747	20.000	ng	-0.01
64) Phenanthrene-d10	17.125	188	1618983	20.000	ng	0.00
76) Chrysene-d12	21.577	240	1677951	20.000	ng	0.01
86) Perylene-d12	24.907	264	1909788	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.296	112	1780253	88.883	ng	0.00
7) Phenol-d6	6.849	99	2220118	87.087	ng	0.00
23) Nitrobenzene-d5	8.808	82	1296698	62.446	ng	-0.02
42) 2,4,6-Tribromophenol	15.837	330	885346	101.636	ng	0.00
45) 2-Fluorobiphenyl	12.919	172	2846913	50.770	ng	-0.01
79) Terphenyl-d14	19.866	244	3946642	47.786	ng	0.00
Target Compounds						Qvalue
26) 2-Nitrophenol	9.572	139	113	2.690	ng	# 1
32) Benzoic acid	9.772	122	228	3.142	ng	# 47
48) 2-Nitroaniline	13.366	65	101	2.917	ng	# 55
51) 2,6-Dinitrotoluene	13.860	165	416	3.026	ng	# 66
53) 3-Nitroaniline	14.225	138	338	2.662	ng	# 73
57) 2,4-Dinitrotoluene	14.672	165	145	3.095	ng	# 64
63) Azobenzene	15.701	77	251172	4.704	ng	# 1
72) Anthracene	17.172	178	188094	2.014	ng	99
75) Fluoranthene	19.266	202	494496	4.499	ng	98
78) Pyrene	19.642	202	411853	3.629	ng	99
80) Butylbenzylphthalate	20.607	149	4119	3.487	ng	# 34
83) Chrysene	21.630	228	294581	2.697	ng	97
84) Bis(2-ethylhexyl)phtha...	21.525	149	48086	3.270	ng	# 97
88) Benzo(b)fluoranthene	23.854	252	392195	3.308	ng	# 93
89) Benzo(k)fluoranthene	23.854	252	392195	3.239	ng	# 93
90) Benzo(a)pyrene	24.742	252	241628	2.218	ng	93

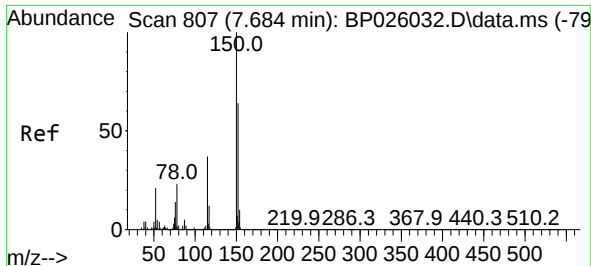
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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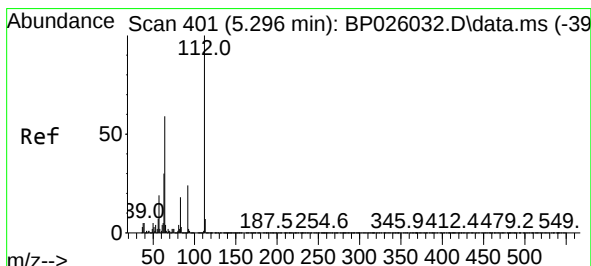
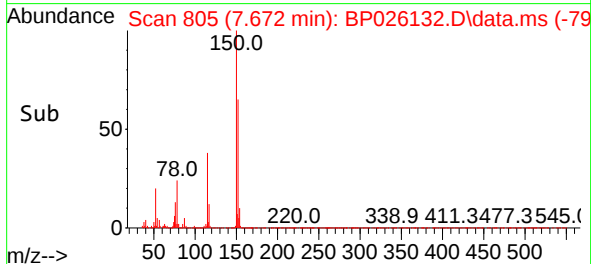
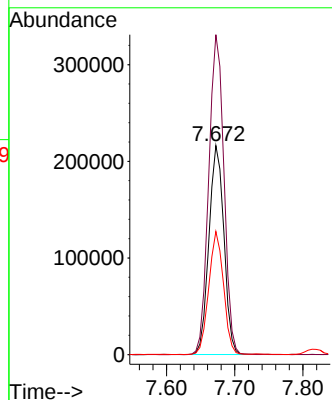
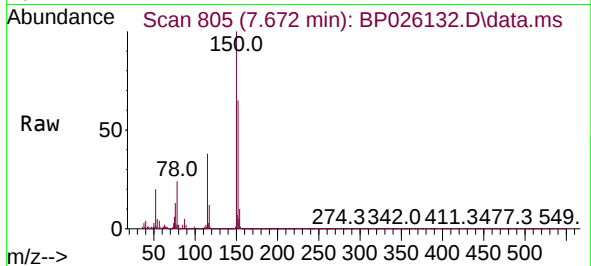




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.672 min Scan# 807
Delta R.T. -0.018 min
Lab File: BP026132.D
Acq: 13 Nov 2025 17:41

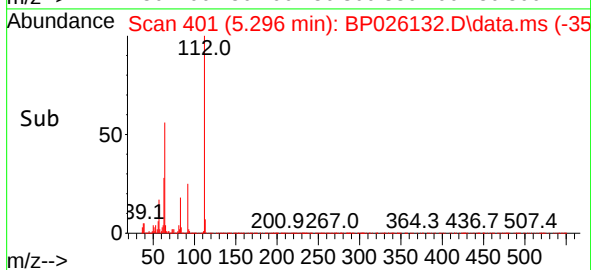
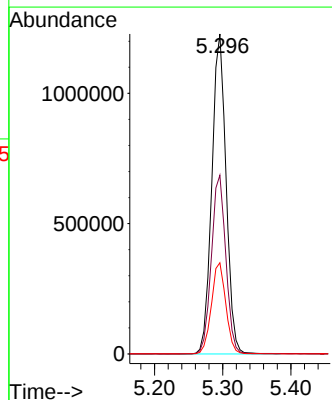
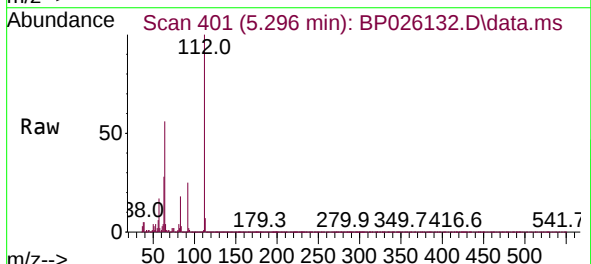
Instrument :
BNA_P
ClientSampleId :
EME-TOP-SOIL

Tgt Ion:152 Resp: 330501
Ion Ratio Lower Upper
152 100
150 153.0 125.7 188.5
115 58.9 46.4 69.6



#5
2-Fluorophenol
Concen: 88.883 ng
RT: 5.296 min Scan# 401
Delta R.T. 0.000 min
Lab File: BP026132.D
Acq: 13 Nov 2025 17:41

Tgt Ion:112 Resp: 1780253
Ion Ratio Lower Upper
112 100
64 55.9 47.4 71.2
63 28.5 24.2 36.4

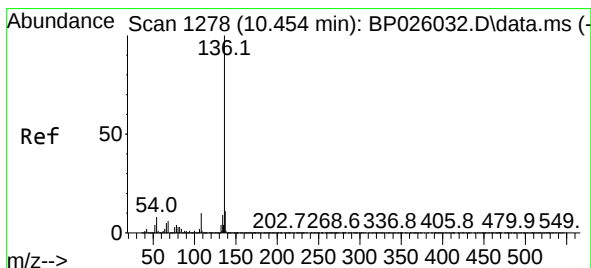
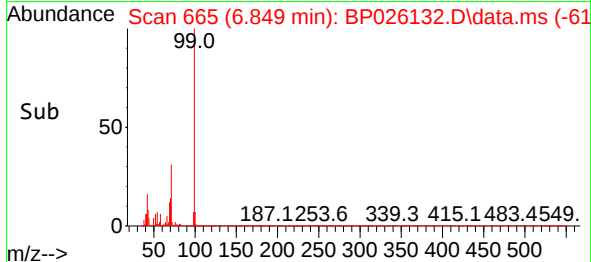
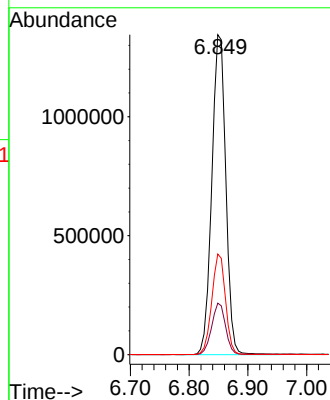
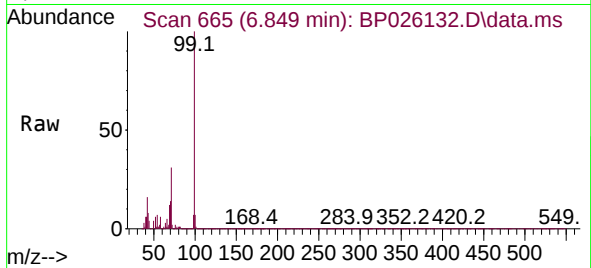




#7
Phenol-d6
Concen: 87.087 ng
RT: 6.849 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP026132.D
Acq: 13 Nov 2025 17:41

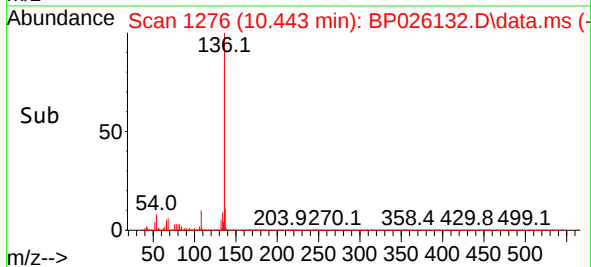
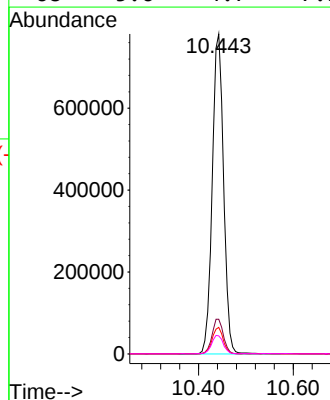
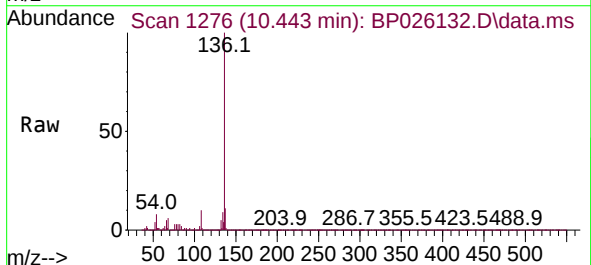
Instrument :
BNA_P
ClientSampleId :
EME-TOP-SOIL

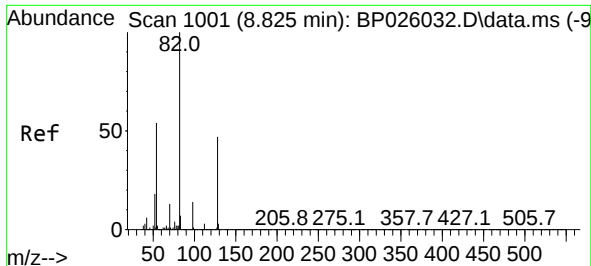
Tgt Ion: 99 Resp: 2220118
Ion Ratio Lower Upper
99 100
42 16.1 13.7 20.5
71 31.4 24.4 36.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.443 min Scan# 1276
Delta R.T. -0.011 min
Lab File: BP026132.D
Acq: 13 Nov 2025 17:41

Tgt Ion:136 Resp: 1294500
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 8.3 6.6 10.0
68 5.6 4.7 7.1

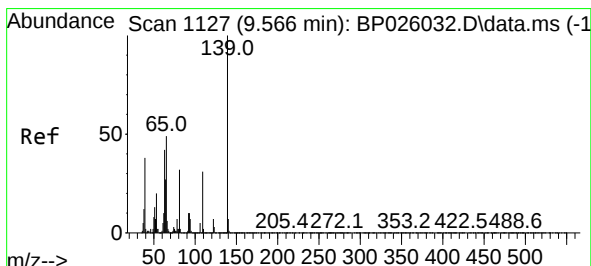
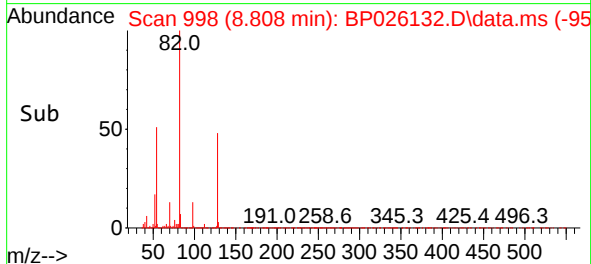
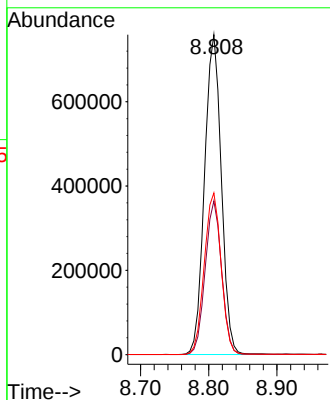
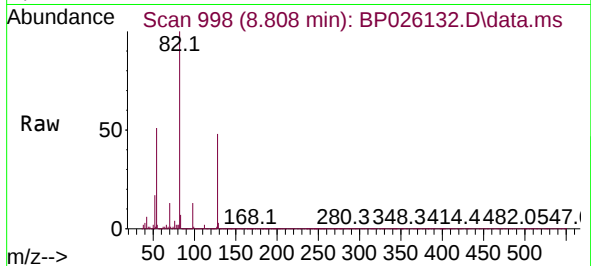




#23
Nitrobenzene-d5
Concen: 62.446 ng
RT: 8.808 min Scan# 99
Delta R.T. -0.017 min
Lab File: BP026132.D
Acq: 13 Nov 2025 17:41

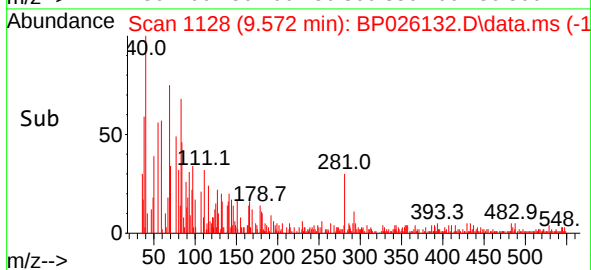
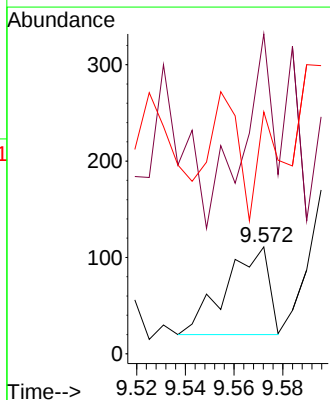
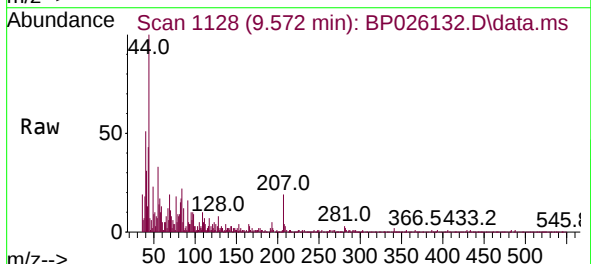
Instrument :
BNA_P
ClientSampleId :
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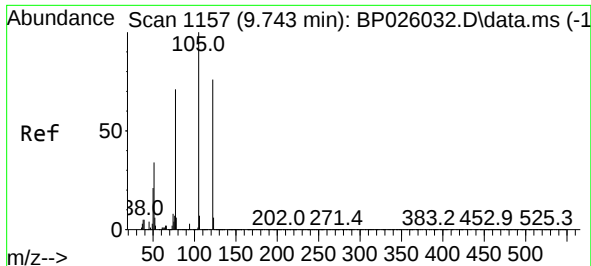
Tgt Ion: 82 Resp: 1296698
Ion Ratio Lower Upper
82 100
128 48.0 37.4 56.0
54 50.5 42.7 64.1



#26
2-Nitrophenol
Concen: 2.690 ng
RT: 9.572 min Scan# 1128
Delta R.T. 0.006 min
Lab File: BP026132.D
Acq: 13 Nov 2025 17:41

Tgt Ion:139 Resp: 113
Ion Ratio Lower Upper
139 100
109 299.1 24.8 37.2#
65 226.1 39.0 58.4#

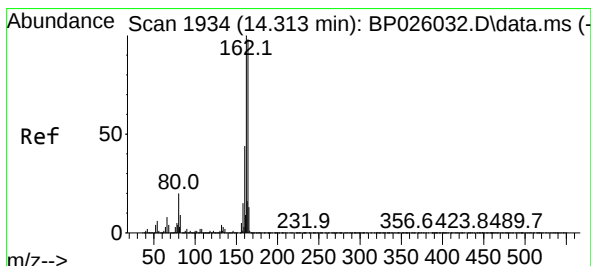
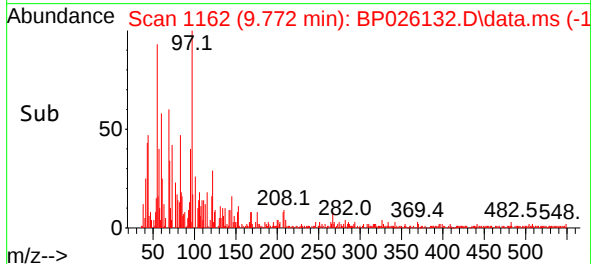
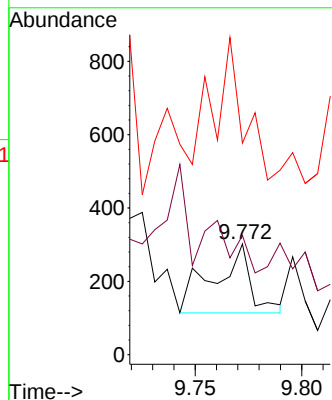
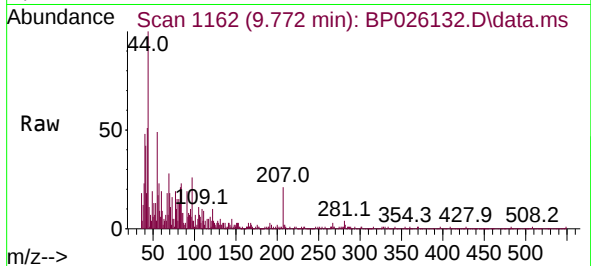




#32
Benzoic acid
Concen: 3.142 ng
RT: 9.772 min Scan# 1157
Delta R.T. -0.006 min
Lab File: BP026132.D
Acq: 13 Nov 2025 17:41

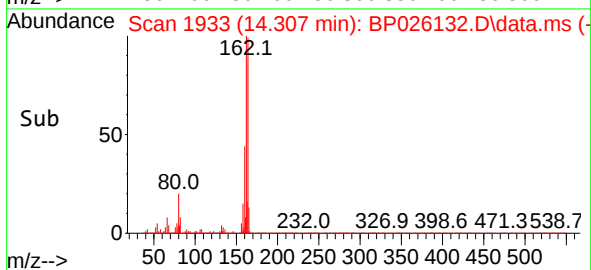
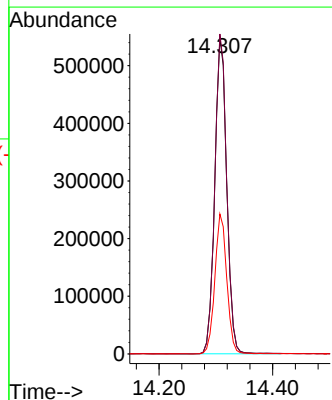
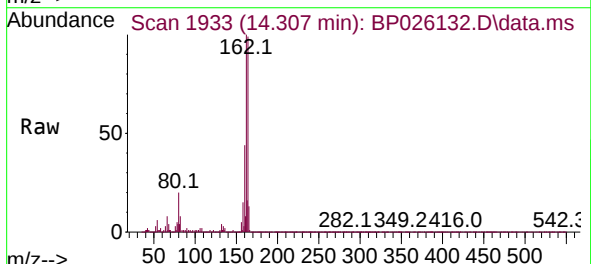
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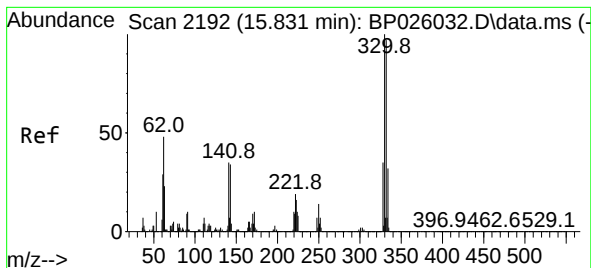
Tgt Ion:122 Resp: 228
Ion Ratio Lower Upper
122 100
105 107.6 104.8 144.8
77 191.1 70.9 110.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.307 min Scan# 1933
Delta R.T. -0.011 min
Lab File: BP026132.D
Acq: 13 Nov 2025 17:41

Tgt Ion:164 Resp: 805747
Ion Ratio Lower Upper
164 100
162 101.2 81.5 122.3
160 44.3 36.2 54.4

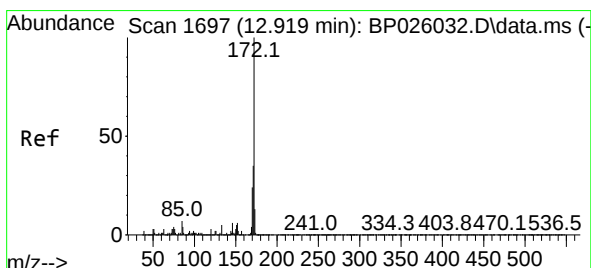
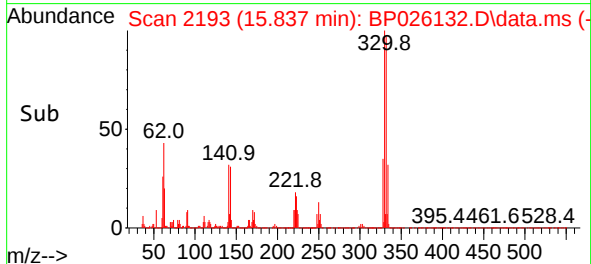
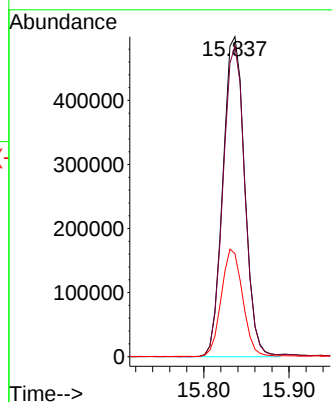
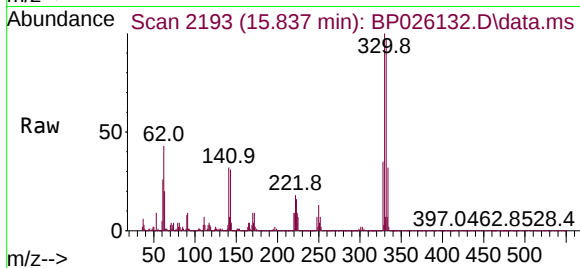




#42
2,4,6-Tribromophenol
Concen: 101.636 ng
RT: 15.837 min Scan# 2192
Delta R.T. 0.006 min
Lab File: BP026132.D
Acq: 13 Nov 2025 17:41

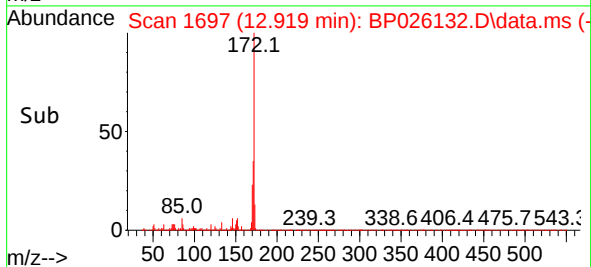
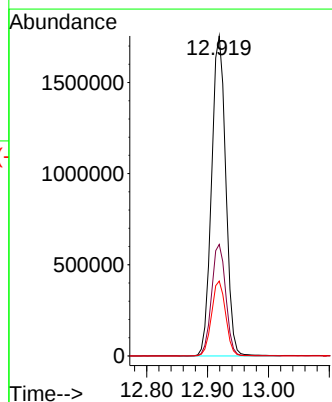
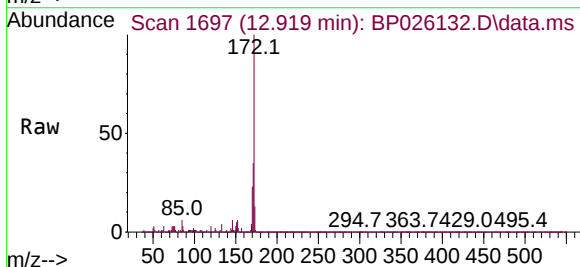
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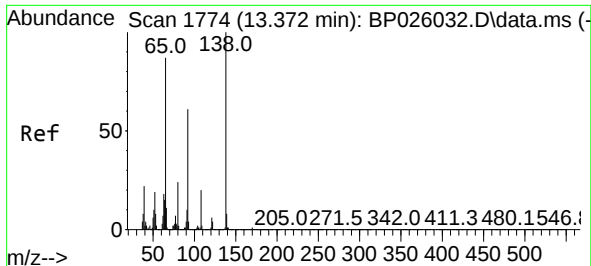
Tgt Ion:330 Resp: 885346
Ion Ratio Lower Upper
330 100
332 96.8 77.3 115.9
141 32.9 28.6 42.8



#45
2-Fluorobiphenyl
Concen: 50.770 ng
RT: 12.919 min Scan# 1697
Delta R.T. -0.012 min
Lab File: BP026132.D
Acq: 13 Nov 2025 17:41

Tgt Ion:172 Resp: 2846913
Ion Ratio Lower Upper
172 100
171 34.8 27.9 41.9
170 23.4 19.0 28.4

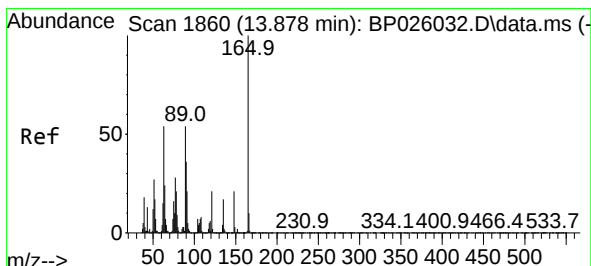
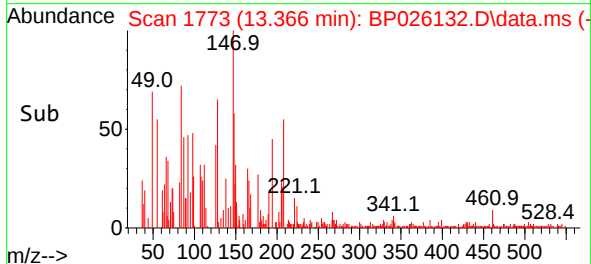
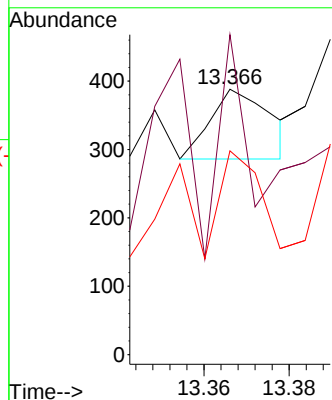
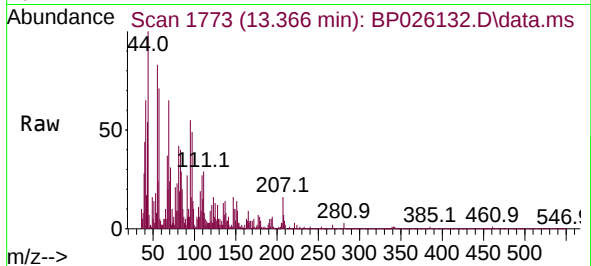




#48
2-Nitroaniline
Concen: 2.917 ng
RT: 13.366 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP026132.D
Acq: 13 Nov 2025 17:41

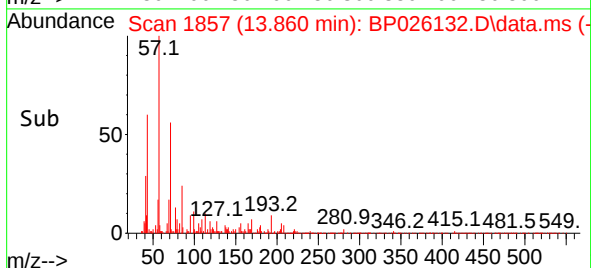
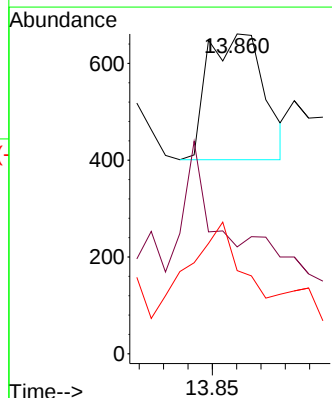
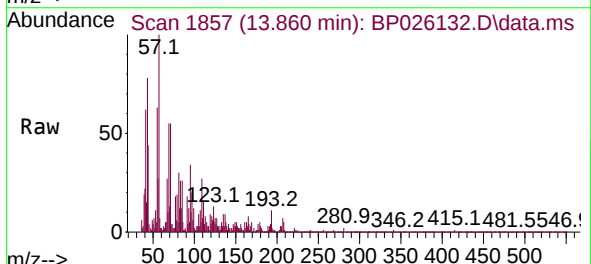
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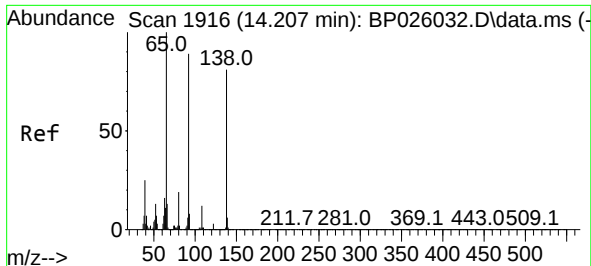
Tgt Ion: 65 Resp: 101
Ion Ratio Lower Upper
65 100
92 120.6 55.5 83.3#
138 76.8 91.7 137.5#



#51
2,6-Dinitrotoluene
Concen: 3.026 ng
RT: 13.860 min Scan# 1857
Delta R.T. -0.018 min
Lab File: BP026132.D
Acq: 13 Nov 2025 17:41

Tgt Ion: 165 Resp: 416
Ion Ratio Lower Upper
165 100
63 33.4 43.0 64.4#
89 26.0 43.0 64.4#

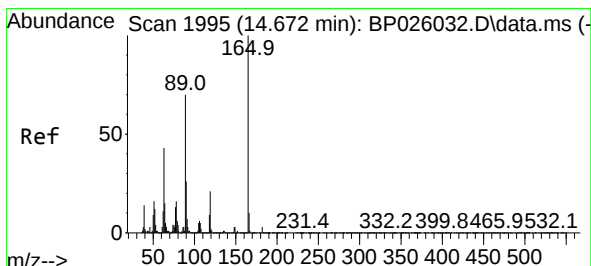
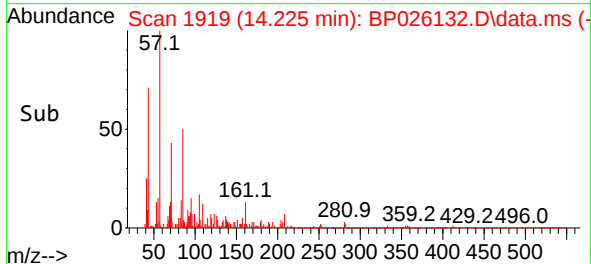
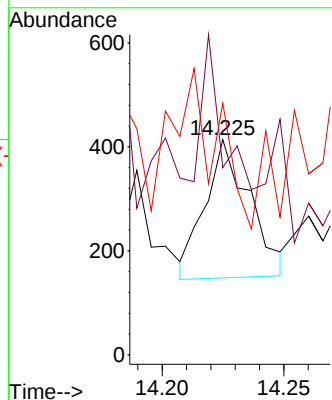
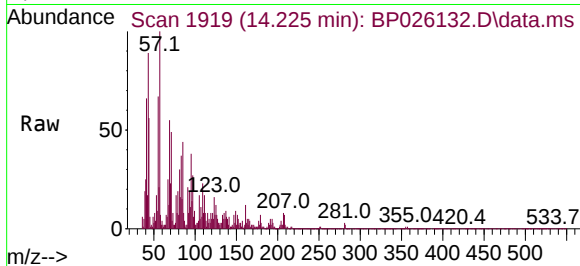




#53
3-Nitroaniline
Concen: 2.662 ng
RT: 14.225 min Scan# 1916
Delta R.T. 0.018 min
Lab File: BP026132.D
Acq: 13 Nov 2025 17:41

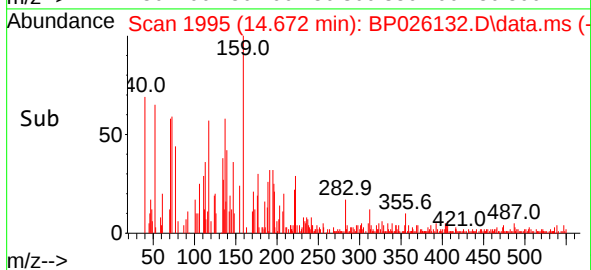
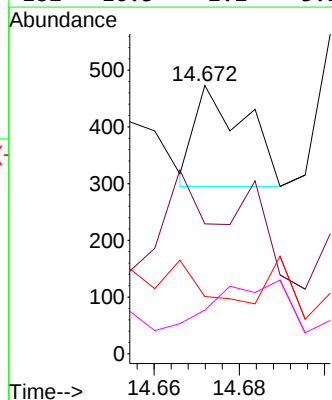
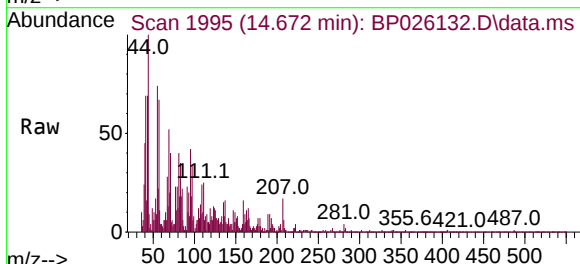
Instrument :
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ClientSampleId :
EME-TOP-SOIL

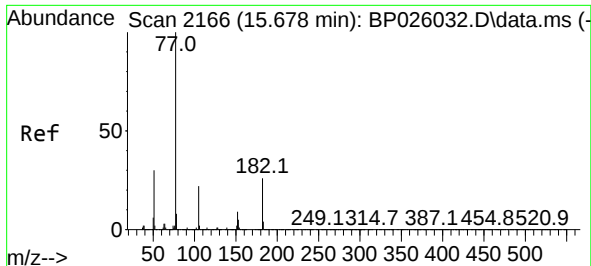
Tgt Ion:138 Resp: 338
Ion Ratio Lower Upper
138 100
108 87.0 11.4 17.0#
92 116.9 87.1 130.7



#57
2,4-Dinitrotoluene
Concen: 3.095 ng
RT: 14.672 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BP026132.D
Acq: 13 Nov 2025 17:41

Tgt Ion:165 Resp: 145
Ion Ratio Lower Upper
165 100
63 48.4 34.2 51.2
89 26.8 56.0 84.0#
182 16.3 2.2 3.2#

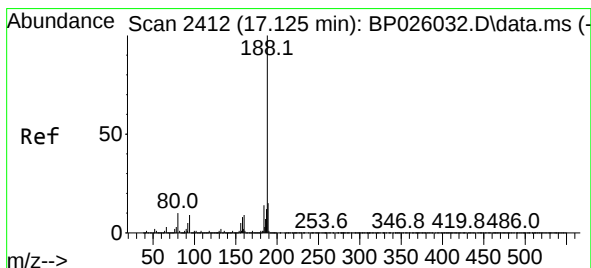
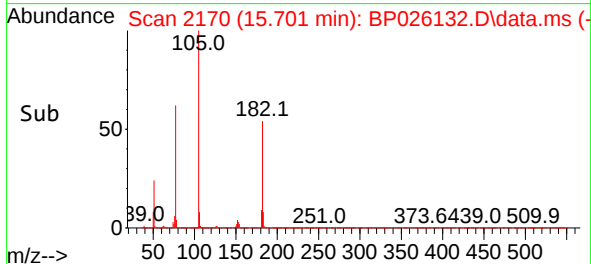
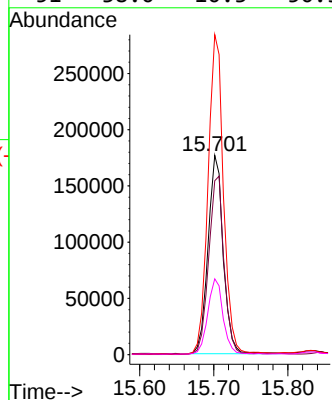
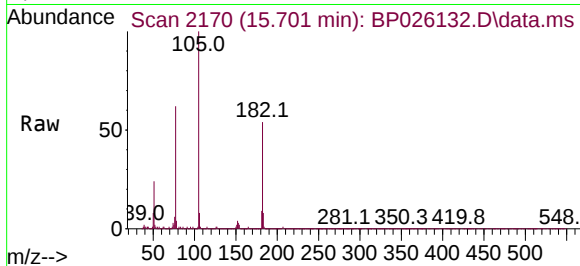




#63
Azobenzene
Concen: 4.704 ng
RT: 15.701 min Scan# 2166
Delta R.T. 0.012 min
Lab File: BP026132.D
Acq: 13 Nov 2025 17:41

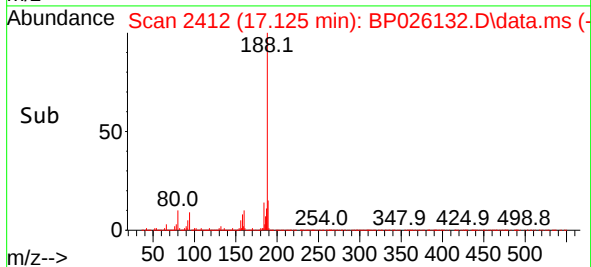
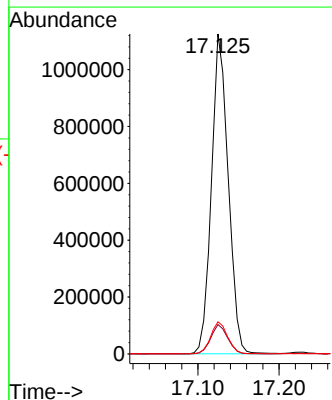
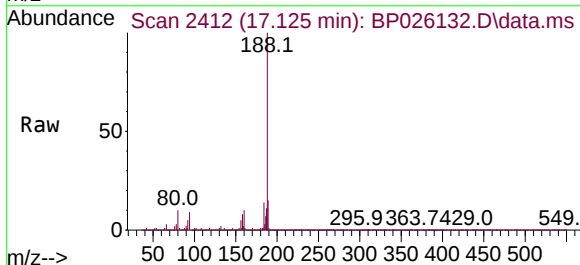
Instrument :
BNA_P
ClientSampleId :
EME-TOP-SOIL

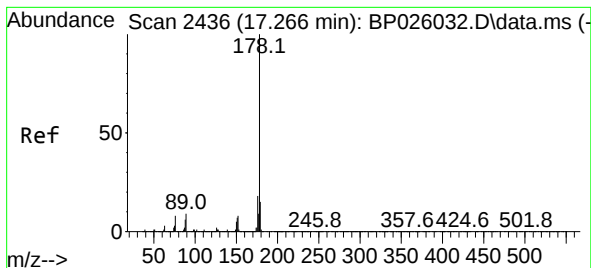
Tgt Ion: 77 Resp: 251172
Ion Ratio Lower Upper
77 100
182 87.3 6.4 46.4#
105 160.6 2.2 42.2#
51 38.0 10.3 50.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.125 min Scan# 2412
Delta R.T. 0.000 min
Lab File: BP026132.D
Acq: 13 Nov 2025 17:41

Tgt Ion:188 Resp: 1618983
Ion Ratio Lower Upper
188 100
94 9.2 7.1 10.7
80 10.0 7.9 11.9





#72

Anthracene

Concen: 2.014 ng

RT: 17.172 min Scan# 2436

Delta R.T. -0.088 min

Lab File: BP026132.D

Acq: 13 Nov 2025 17:41

Instrument :

BNA_P

ClientSampleId :

EME-TOP-SOIL

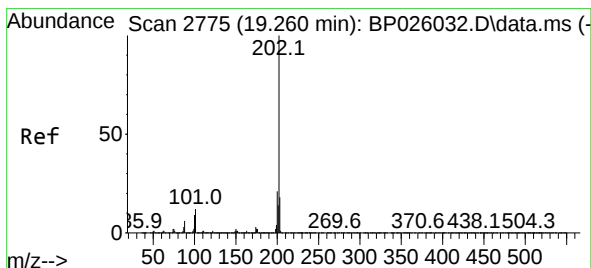
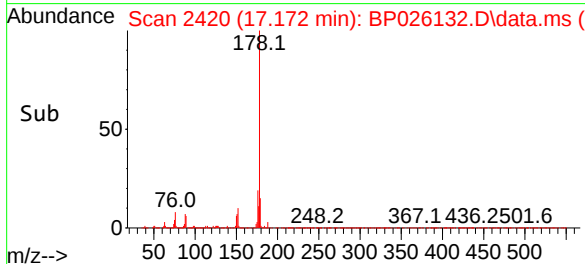
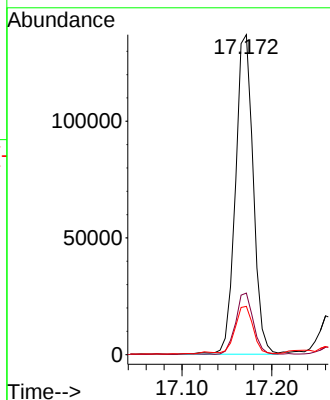
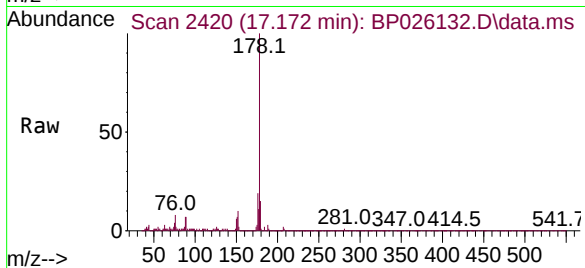
Tgt Ion:178 Resp: 188094

Ion Ratio Lower Upper

178 100

176 19.2 14.8 22.2

179 15.1 12.2 18.4



#75

Fluoranthene

Concen: 4.499 ng

RT: 19.266 min Scan# 2776

Delta R.T. 0.006 min

Lab File: BP026132.D

Acq: 13 Nov 2025 17:41

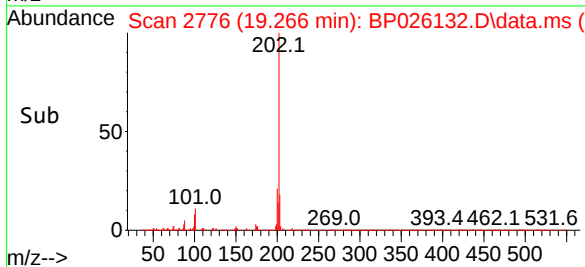
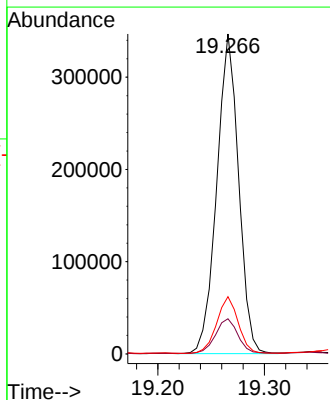
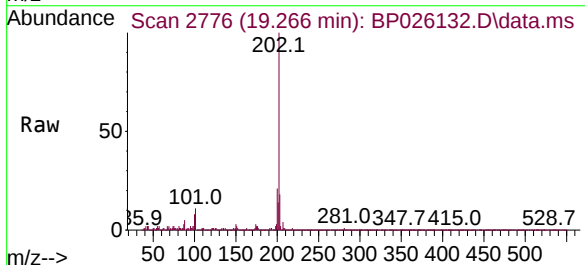
Tgt Ion:202 Resp: 494496

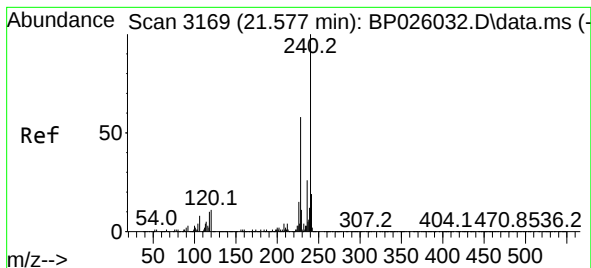
Ion Ratio Lower Upper

202 100

101 11.0 0.0 32.1

203 17.9 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.577 min Scan# 3169

Delta R.T. 0.012 min

Lab File: BP026132.D

Acq: 13 Nov 2025 17:41

Instrument :

BNA_P

ClientSampleId :

EME-TOP-SOIL

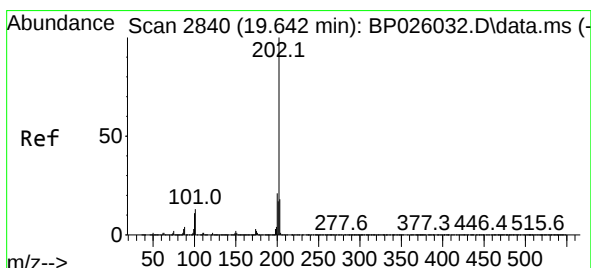
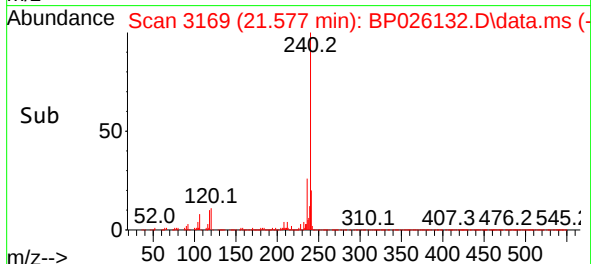
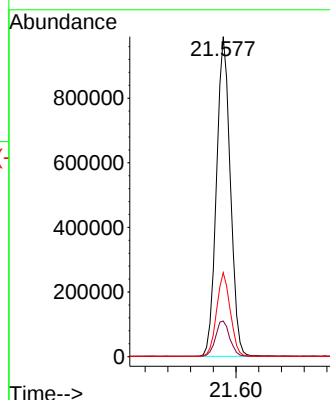
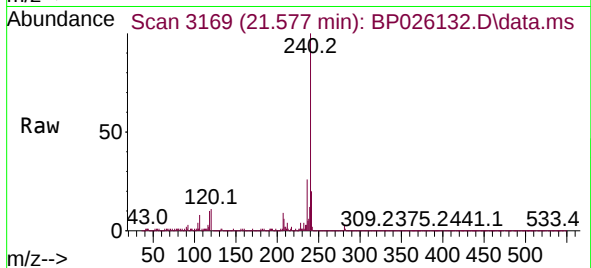
Tgt Ion:240 Resp: 1677951

Ion Ratio Lower Upper

240 100

120 11.1 8.9 13.3

236 26.2 20.6 31.0



#78

Pyrene

Concen: 3.629 ng

RT: 19.642 min Scan# 2840

Delta R.T. 0.006 min

Lab File: BP026132.D

Acq: 13 Nov 2025 17:41

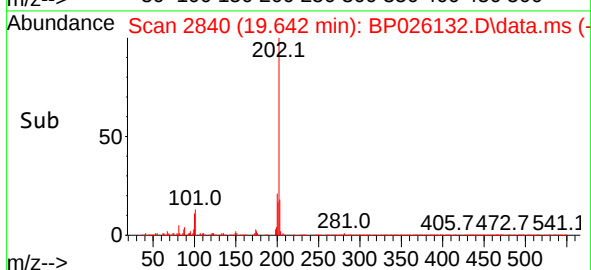
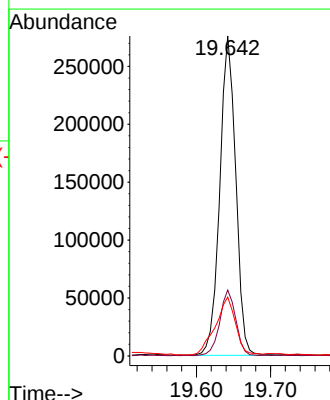
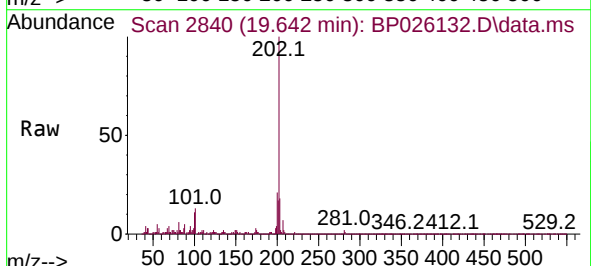
Tgt Ion:202 Resp: 411853

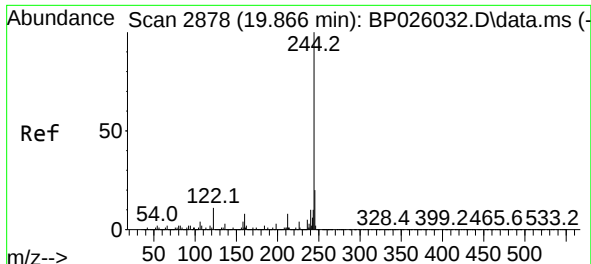
Ion Ratio Lower Upper

202 100

200 20.6 16.6 25.0

203 18.4 14.0 21.0

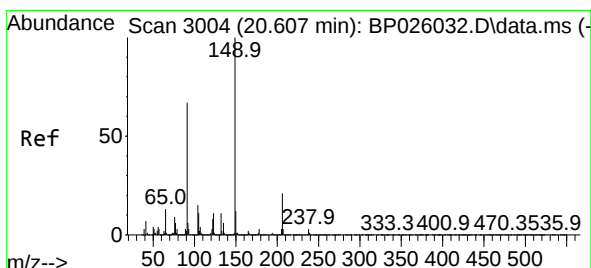
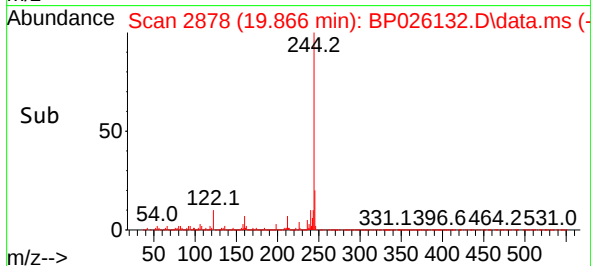
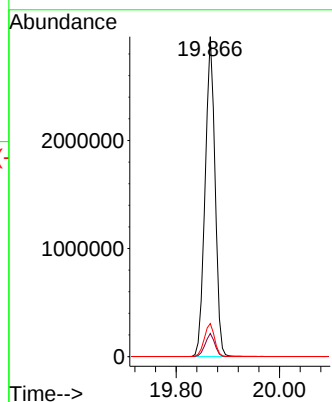
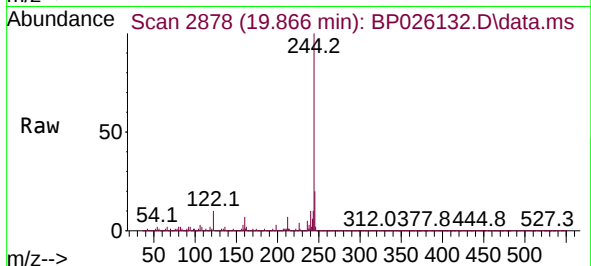




#79
 Terphenyl-d14
 Concen: 47.786 ng
 RT: 19.866 min Scan# 2878
 Delta R.T. 0.000 min
 Lab File: BP026132.D
 Acq: 13 Nov 2025 17:41

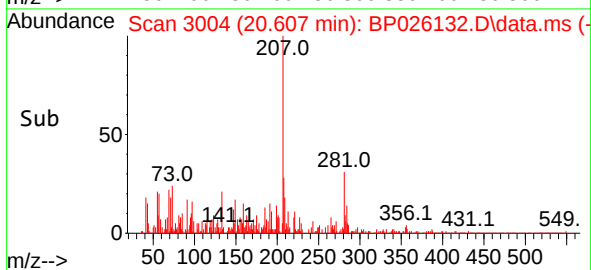
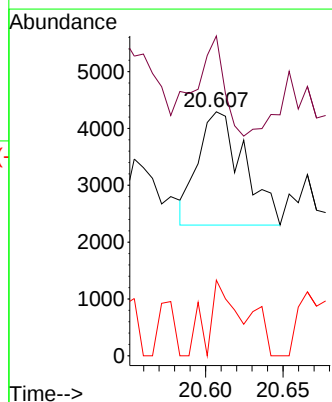
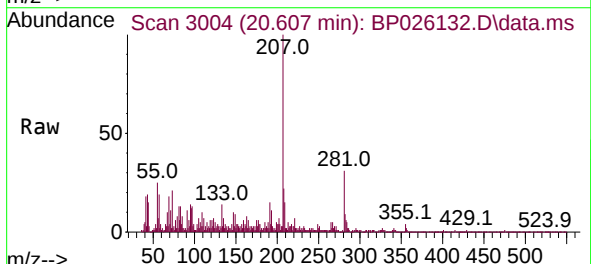
Instrument :
 BNA_P
 ClientSampleId :
 EME-TOP-SOIL

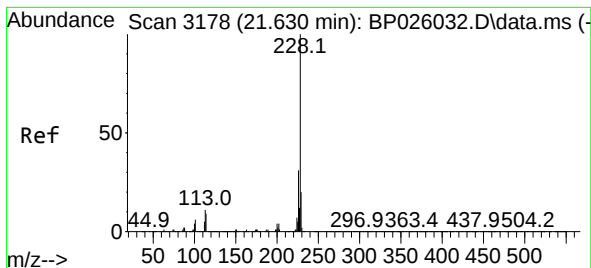
Tgt Ion:244 Resp: 3946642
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 10.3 9.0 13.6



#80
 Butylbenzylphthalate
 Concen: 3.487 ng
 RT: 20.607 min Scan# 3004
 Delta R.T. -0.000 min
 Lab File: BP026132.D
 Acq: 13 Nov 2025 17:41

Tgt Ion:149 Resp: 4119
 Ion Ratio Lower Upper
 149 100
 91 131.1 53.5 80.3#
 206 31.0 16.6 25.0#





#83

Chrysene

Concen: 2.697 ng

RT: 21.630 min Scan# 3178

Delta R.T. 0.012 min

Lab File: BP026132.D

Acq: 13 Nov 2025 17:41

Instrument :

BNA_P

ClientSampleId :

EME-TOP-SOIL

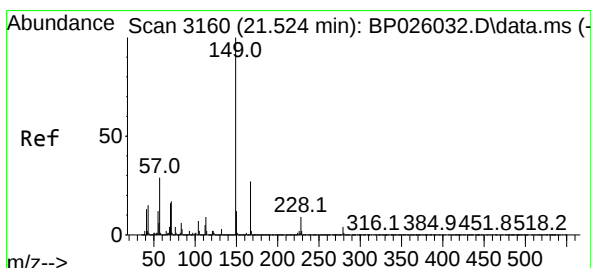
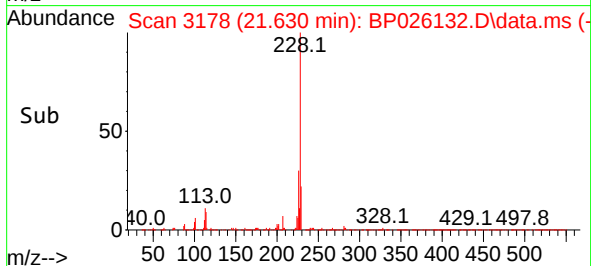
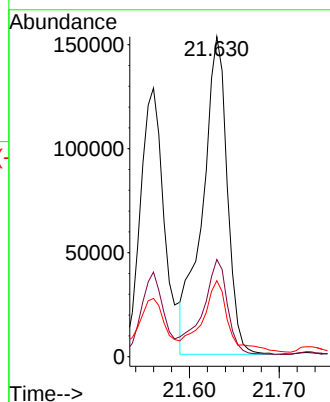
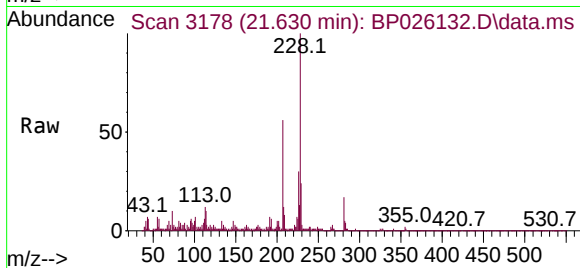
Tgt Ion:228 Resp: 294581

Ion Ratio Lower Upper

228 100

226 30.3 24.4 36.6

229 23.7 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.270 ng

RT: 21.525 min Scan# 3160

Delta R.T. 0.006 min

Lab File: BP026132.D

Acq: 13 Nov 2025 17:41

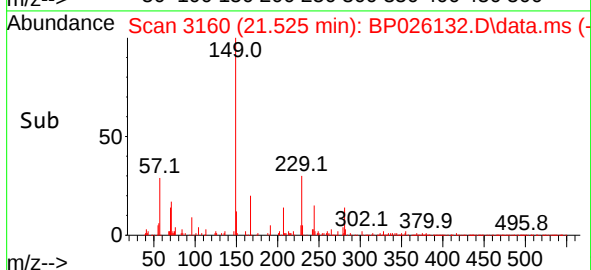
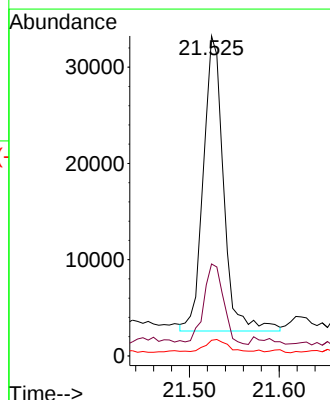
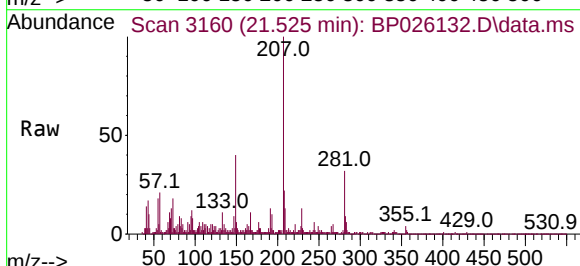
Tgt Ion:149 Resp: 48086

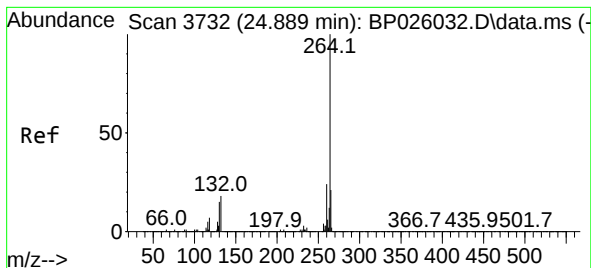
Ion Ratio Lower Upper

149 100

167 28.7 21.5 32.3

279 4.9 3.0 4.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.907 min Scan# 31

Delta R.T. 0.024 min

Lab File: BP026132.D

Acq: 13 Nov 2025 17:41

Instrument :

BNA_P

ClientSampleId :

EME-TOP-SOIL

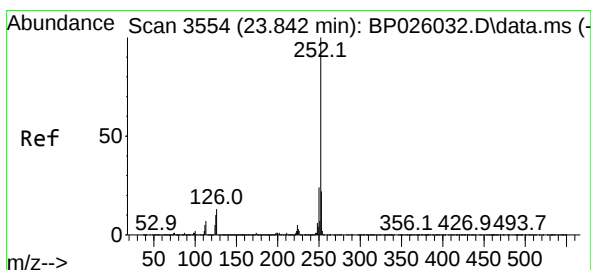
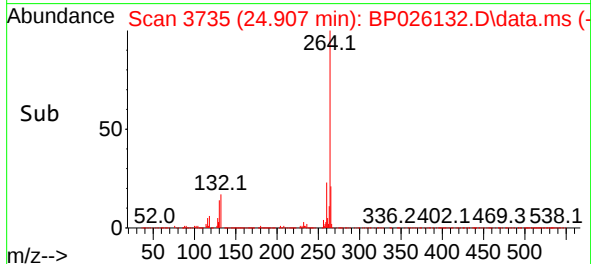
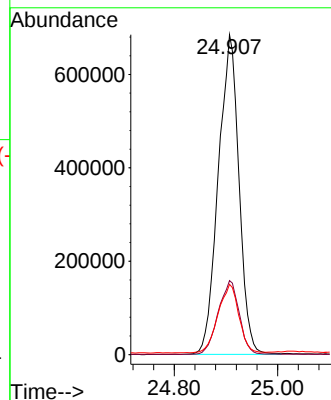
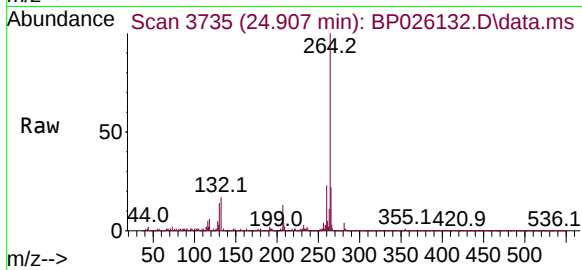
Tgt Ion:264 Resp: 1909788

Ion Ratio Lower Upper

264 100

260 23.1 19.1 28.7

265 22.0 17.2 25.8



#88

Benzo(b)fluoranthene

Concen: 3.308 ng

RT: 23.854 min Scan# 3556

Delta R.T. 0.006 min

Lab File: BP026132.D

Acq: 13 Nov 2025 17:41

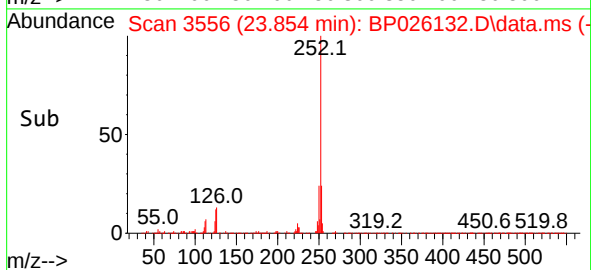
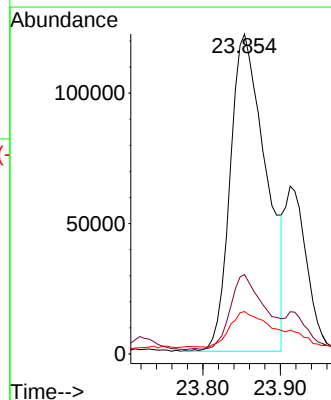
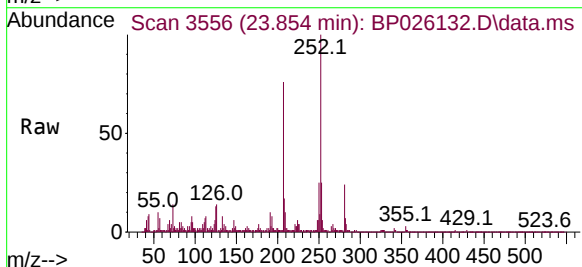
Tgt Ion:252 Resp: 392195

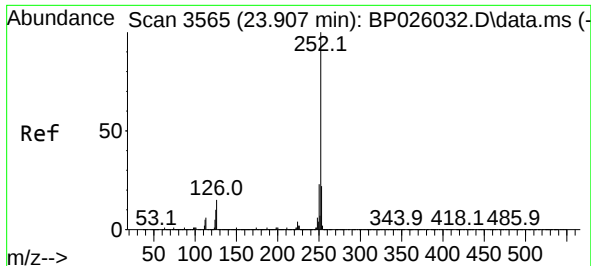
Ion Ratio Lower Upper

252 100

253 24.8 17.6 26.4

125 13.2 8.1 12.1#

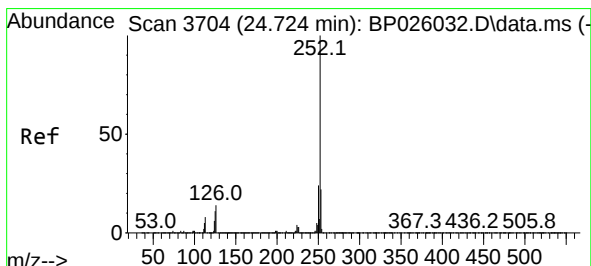
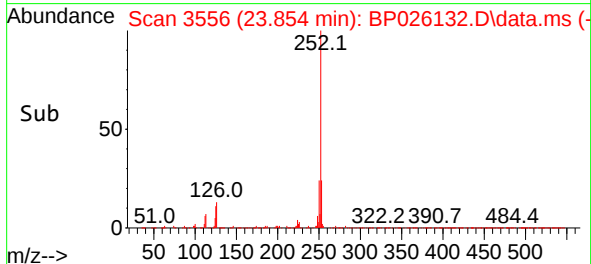
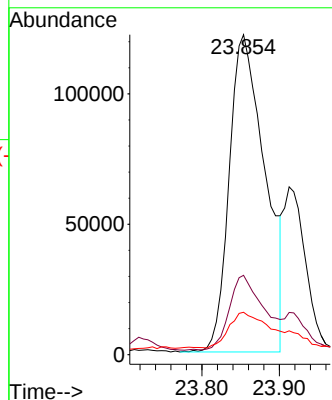
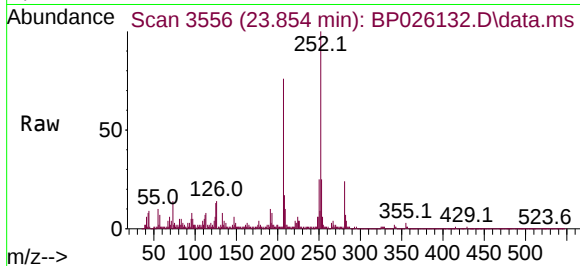




#89
Benzo(k)fluoranthene
Concen: 3.239 ng
RT: 23.854 min Scan# 31
Delta R.T. -0.070 min
Lab File: BP026132.D
Acq: 13 Nov 2025 17:41

Instrument :
BNA_P
ClientSampleId :
EME-TOP-SOIL

Tgt Ion:252 Resp: 392195
Ion Ratio Lower Upper
252 100
253 24.8 17.5 26.3
125 13.2 8.1 12.1#



#90
Benzo(a)pyrene
Concen: 2.218 ng
RT: 24.742 min Scan# 3707
Delta R.T. 0.000 min
Lab File: BP026132.D
Acq: 13 Nov 2025 17:41

Tgt Ion:252 Resp: 241628
Ion Ratio Lower Upper
252 100
253 25.1 17.3 25.9
125 13.6 9.1 13.7

