

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)

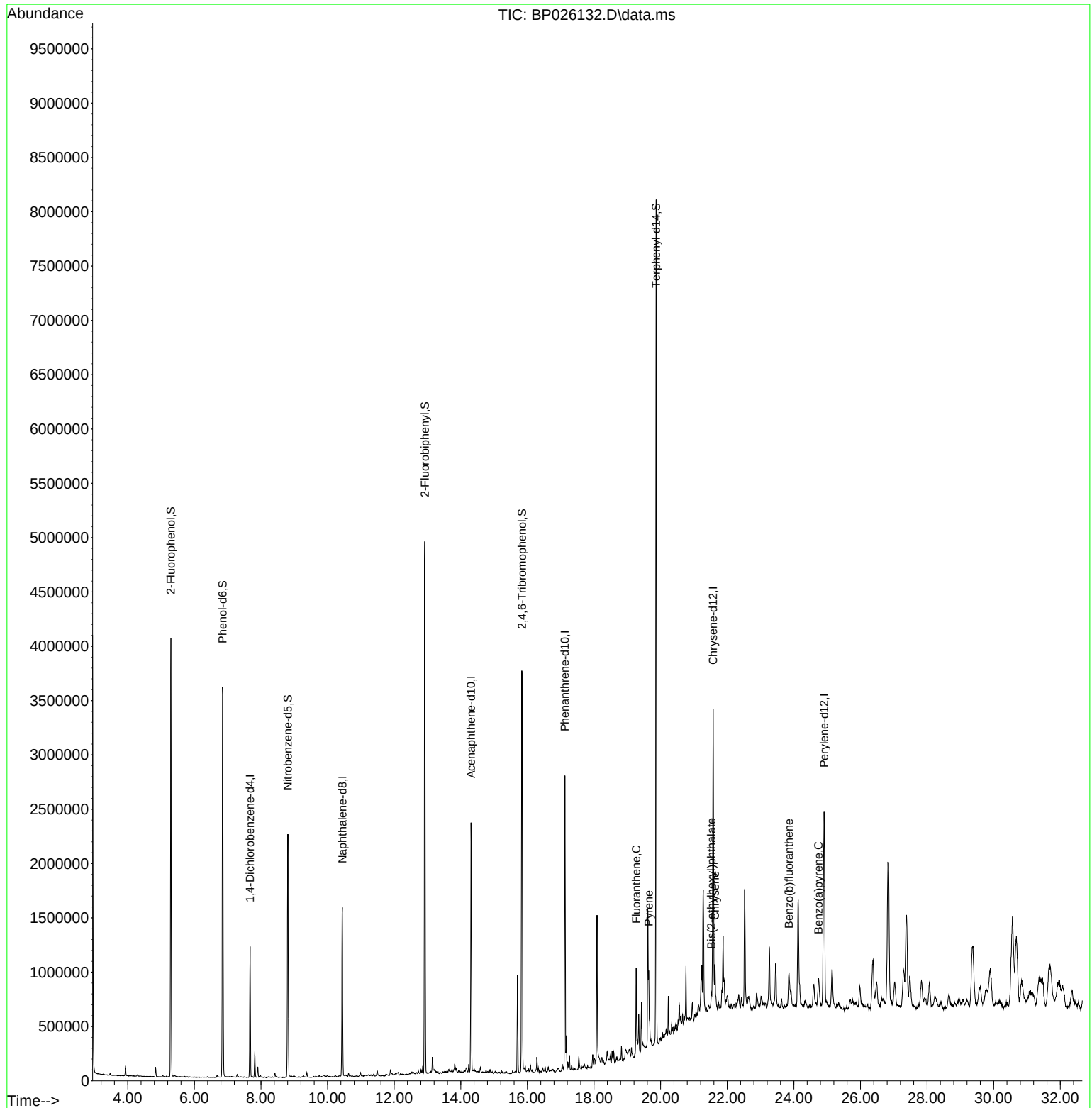
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.672	152	330501	20.000	ng	-0.02
21) Naphthalene-d8	10.443	136	1294500	20.000	ng	-0.01
39) Acenaphthene-d10	14.307	164	805747	20.000	ng	-0.01
64) Phenanthrene-d10	17.125	188	1618983	20.000	ng	0.00
76) Chrysene-d12	21.577	240	1677951	20.000	ng	0.01
86) 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
75) Fluoranthene	19.266	202	494496	4.499	ng	98
78) Pyrene	19.642	202	411853	3.629	ng	99
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
90) Benzo(a)pyrene	24.742	252	241628	2.218	ng	93

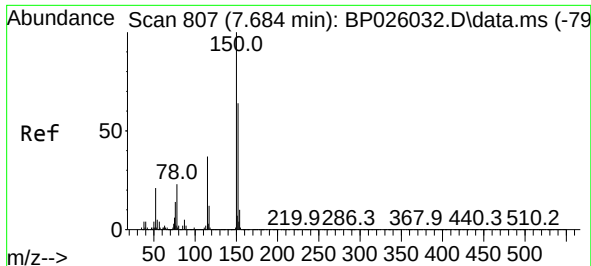
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111325\
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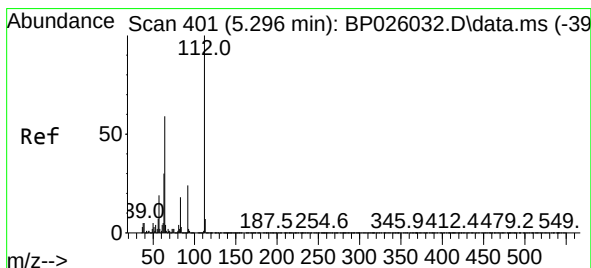
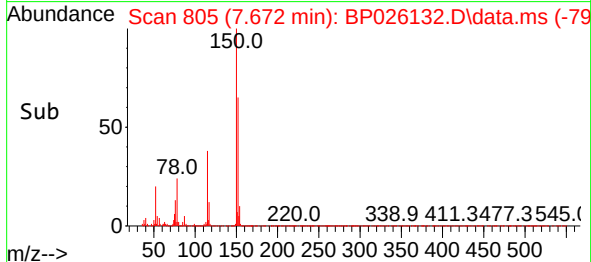
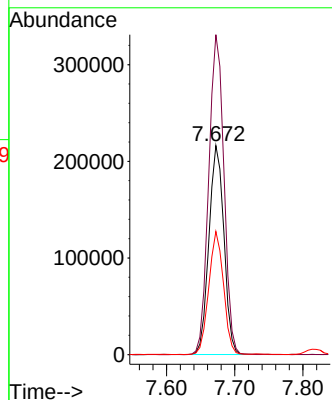
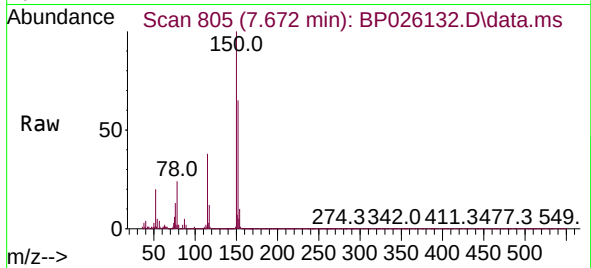




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.672 min Scan# 80
Delta R.T. -0.018 min
Lab File: BP026132.D
Acq: 13 Nov 2025 17:41

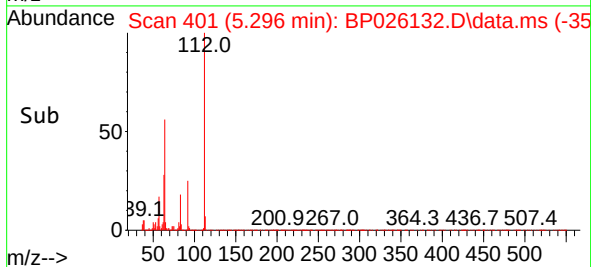
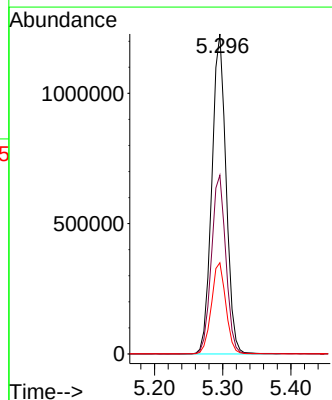
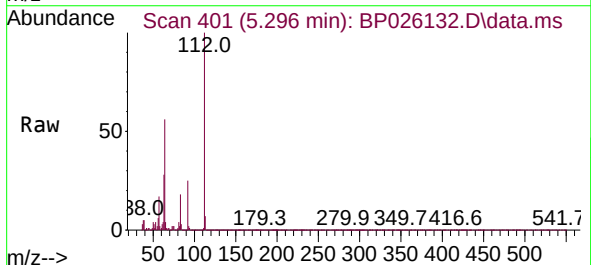
Instrument :
BNA_P
ClientSampleId :
EME-TOP-SOIL

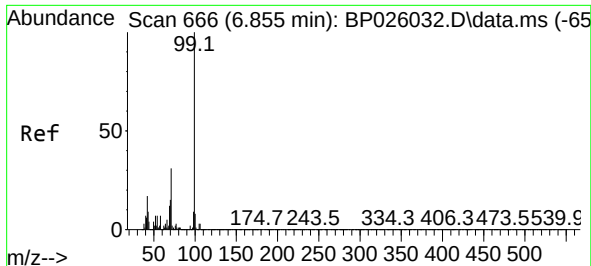
Tgt Ion:152 Resp: 330501
Ion Ratio Lower Upper
152 100
150 153.0 125.7 188.5
115 58.9 46.4 69.6



#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

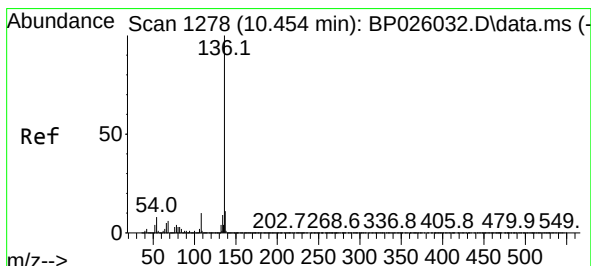
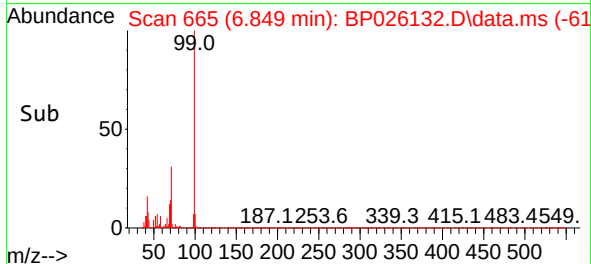
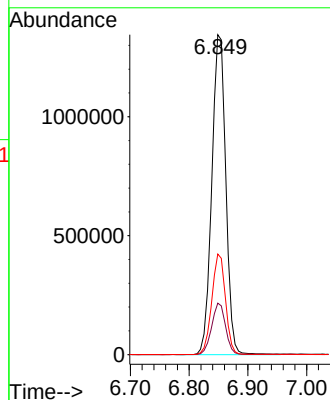
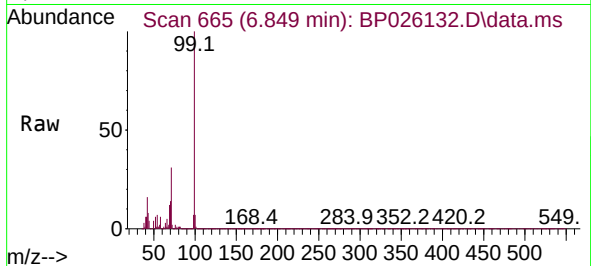




#7
Phenol-d6
Concen: 87.087 ng
RT: 6.849 min Scan# 60
Delta R.T. -0.006 min
Lab File: BP026132.D
Acq: 13 Nov 2025 17:41

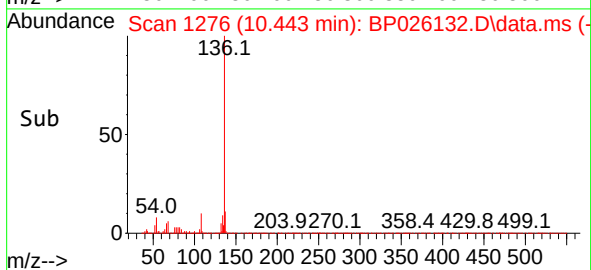
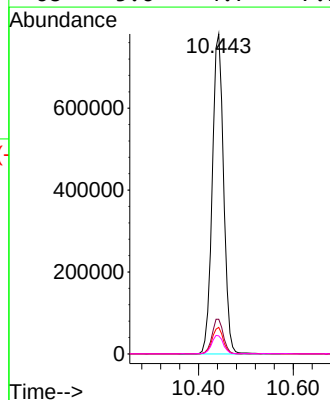
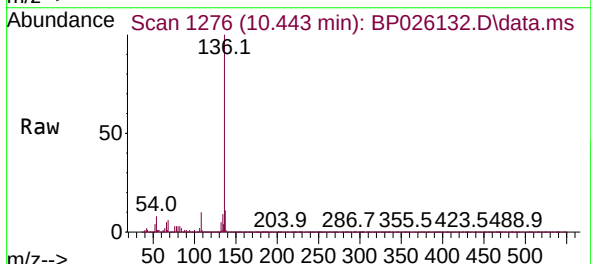
Instrument :
BNA_P
ClientSampleId :
EME-TOP-SOIL

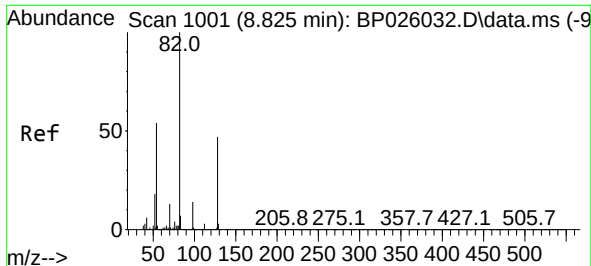
Tgt Ion: 99 Resp: 2220118
Ion Ratio Lower Upper
99 100
42 16.1 13.7 20.5
71 31.4 24.4 36.6



#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

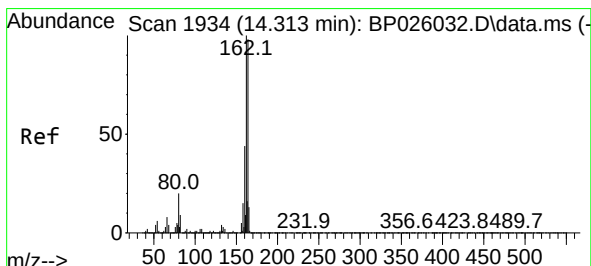
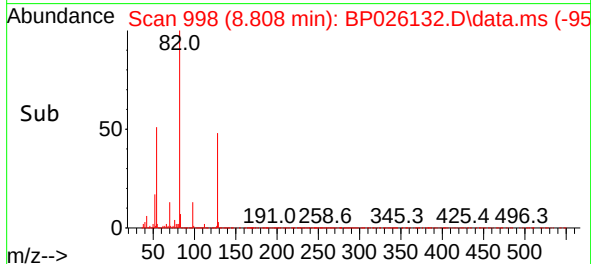
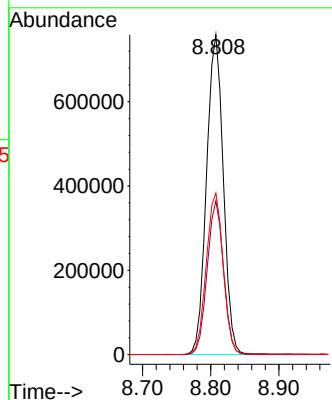
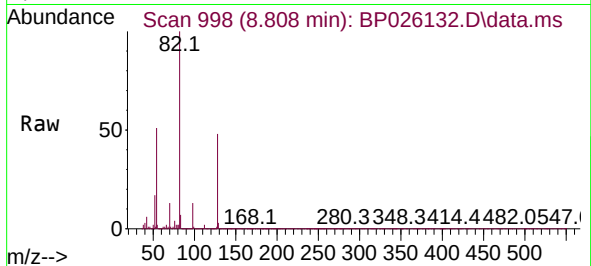




#23
Nitrobenzene-d5
Concen: 62.446 ng
RT: 8.808 min Scan# 998
Delta R.T. -0.017 min
Lab File: BP026132.D
Acq: 13 Nov 2025 17:41

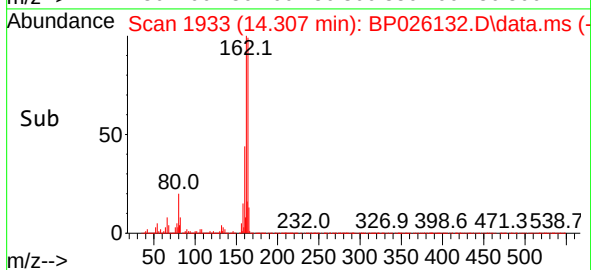
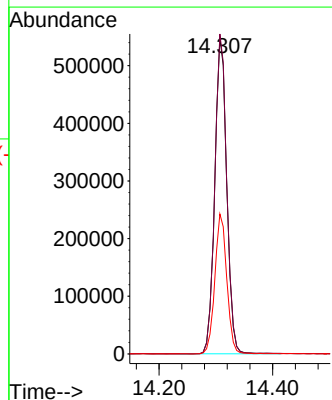
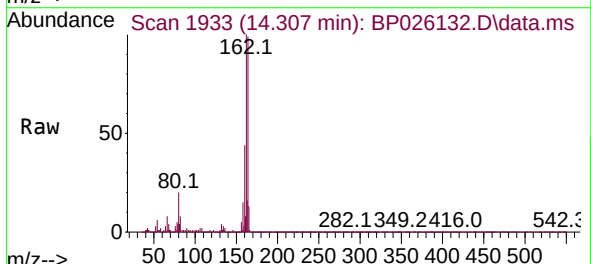
Instrument :
BNA_P
ClientSampleId :
EME-TOP-SOIL

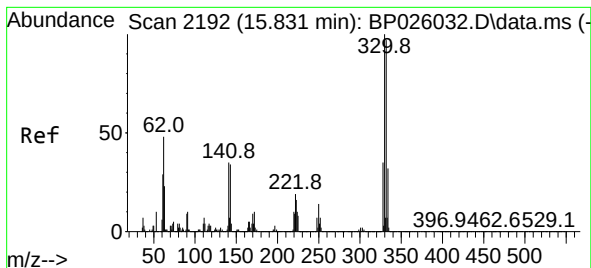
Tgt Ion: 82 Resp: 1296698
Ion Ratio Lower Upper
82 100
128 48.0 37.4 56.0
54 50.5 42.7 64.1



#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# 21

Delta R.T. 0.006 min

Lab File: BP026132.D

Acq: 13 Nov 2025 17:41

Instrument :

BNA_P

ClientSampleId :

EME-TOP-SOIL

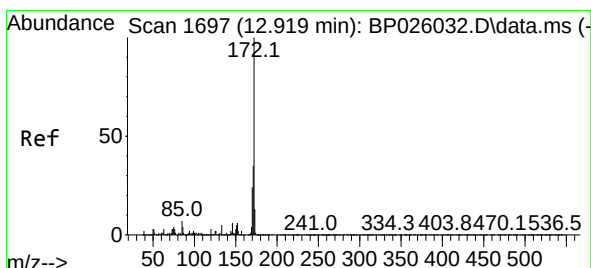
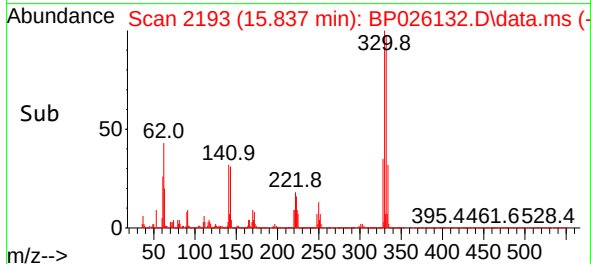
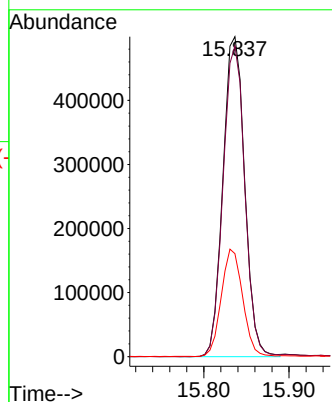
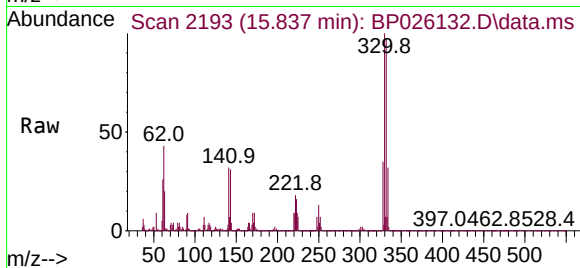
Tgt Ion:330 Resp: 885346

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

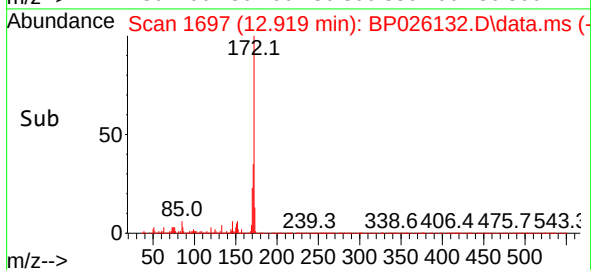
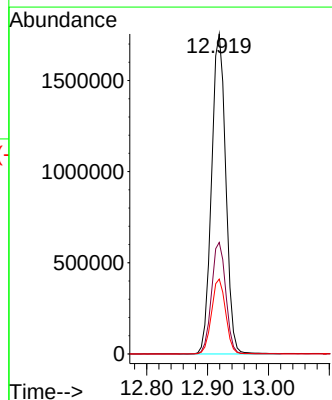
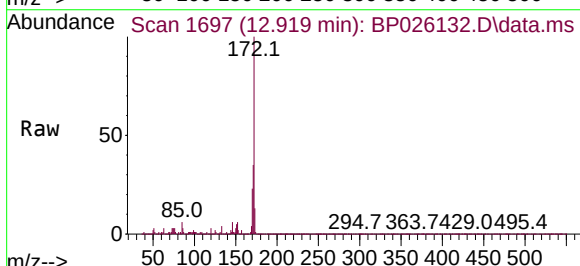
Tgt Ion:172 Resp: 2846913

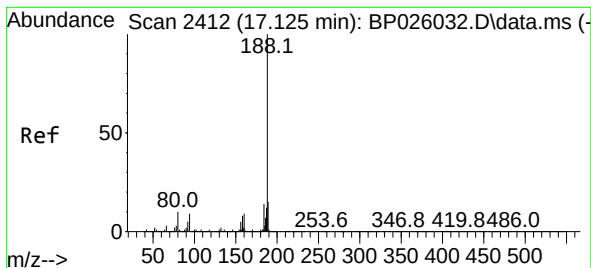
Ion Ratio Lower Upper

172 100

171 34.8 27.9 41.9

170 23.4 19.0 28.4





#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

Instrument :

BNA_P

ClientSampleId :

EME-TOP-SOIL

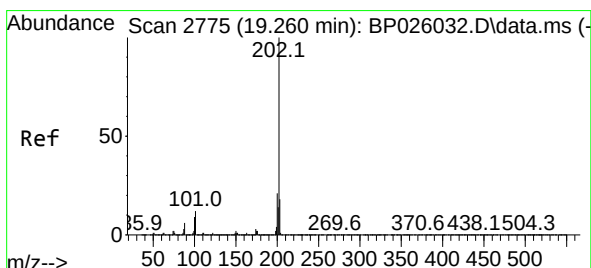
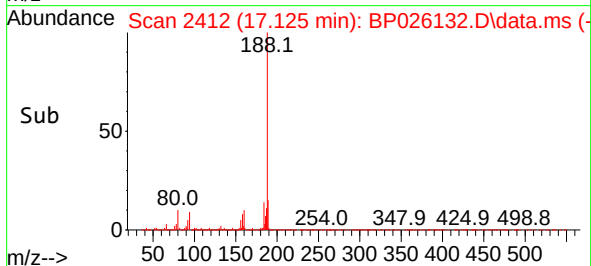
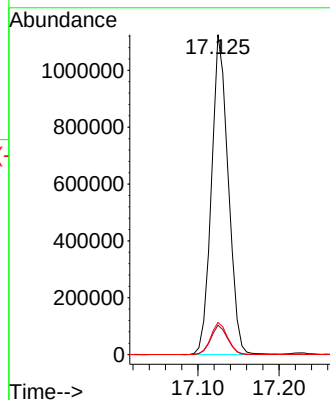
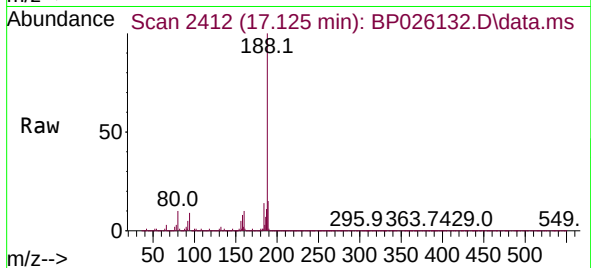
Tgt Ion:188 Resp: 1618983

Ion Ratio Lower Upper

188 100

94 9.2 7.1 10.7

80 10.0 7.9 11.9



#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

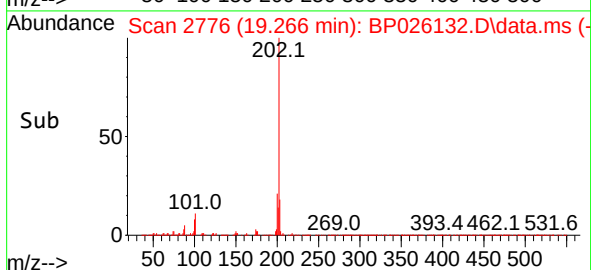
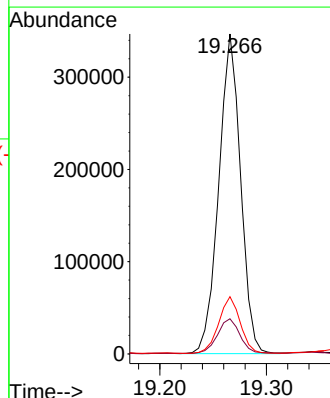
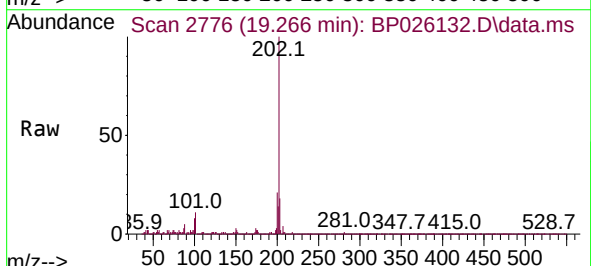
Tgt Ion:202 Resp: 494496

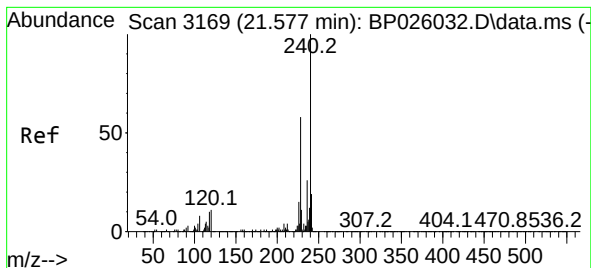
Ion Ratio Lower Upper

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# 31

Delta R.T. 0.012 min

Lab File: BP026132.D

Acq: 13 Nov 2025 17:41

Instrument :

BNA_P

ClientSampleId :

EME-TOP-SOIL

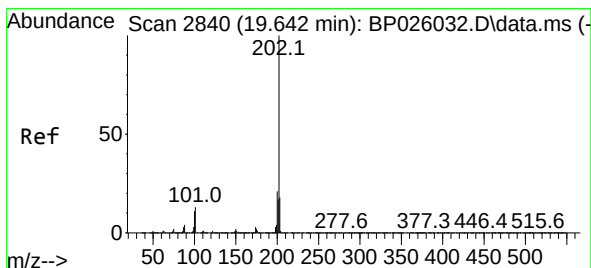
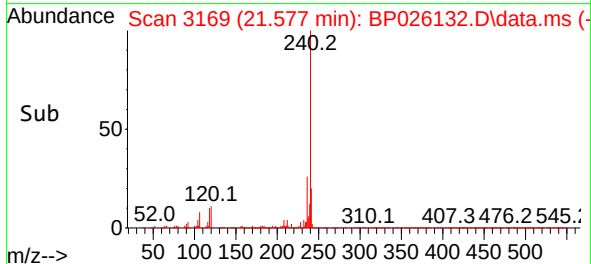
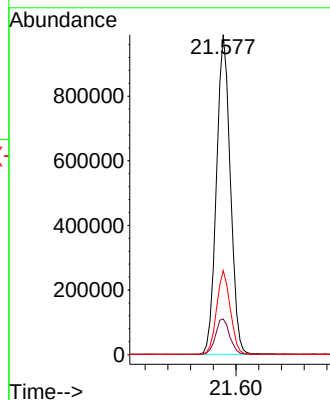
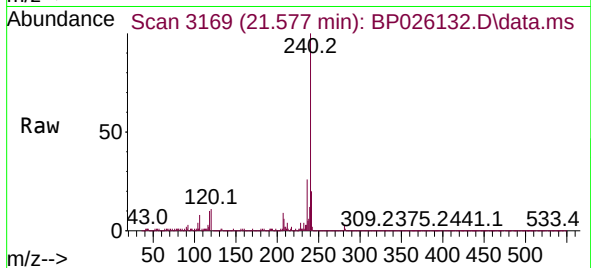
Tgt Ion:240 Resp: 1677951

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

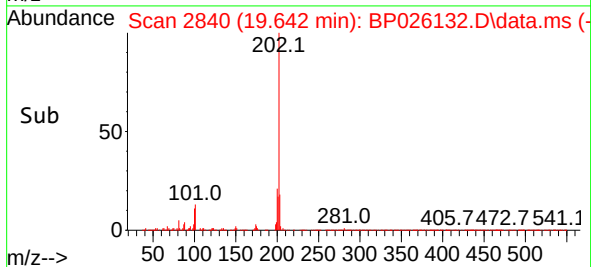
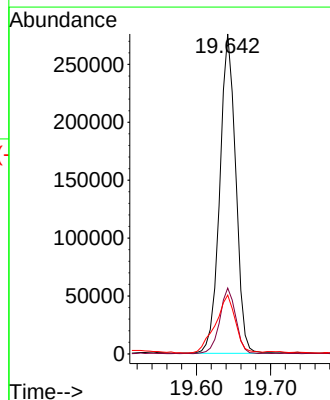
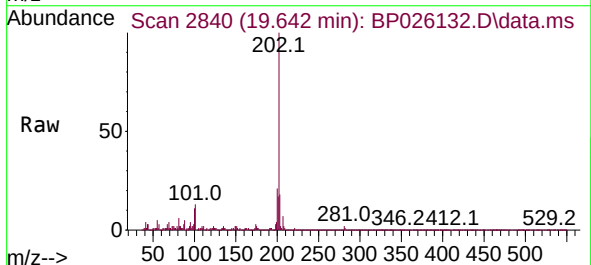
Tgt Ion:202 Resp: 411853

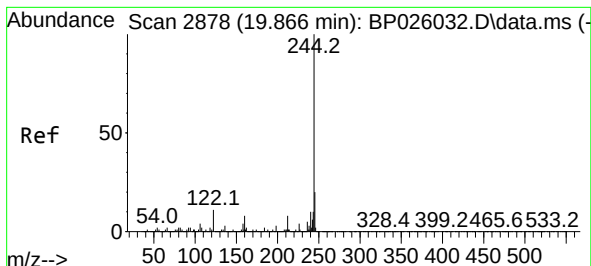
Ion Ratio Lower Upper

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

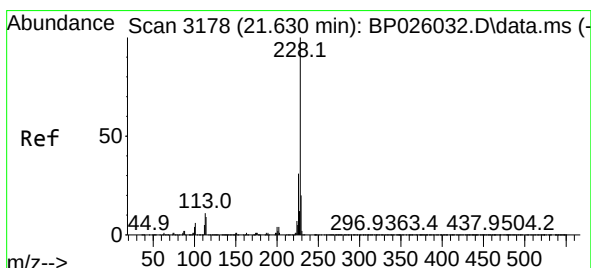
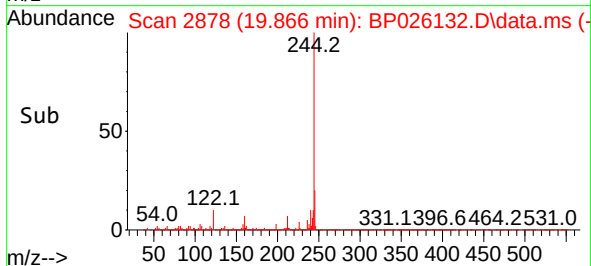
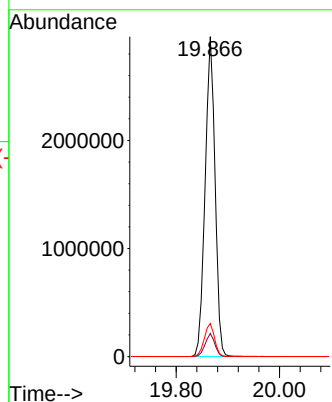
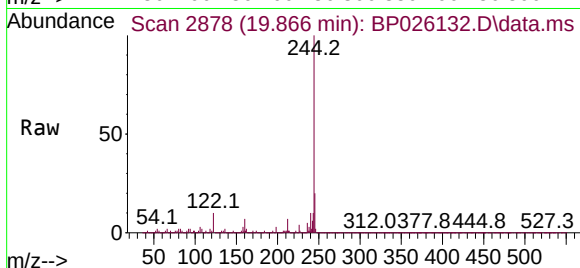
Tgt Ion:244 Resp: 3946642

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 10.3 9.0 13.6



#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

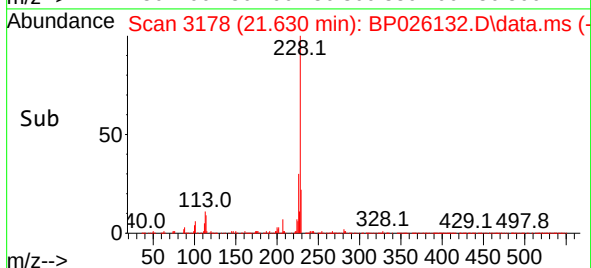
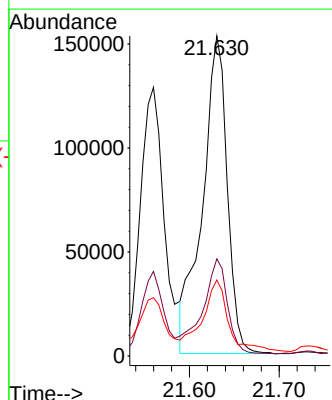
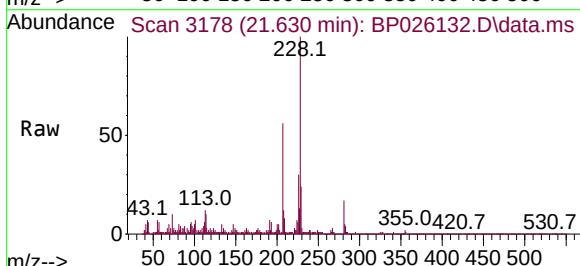
Tgt Ion:228 Resp: 294581

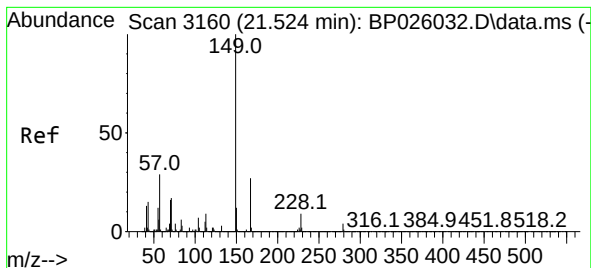
Ion Ratio Lower Upper

228 100

226 30.3 24.4 36.6

229 23.7 16.0 24.0

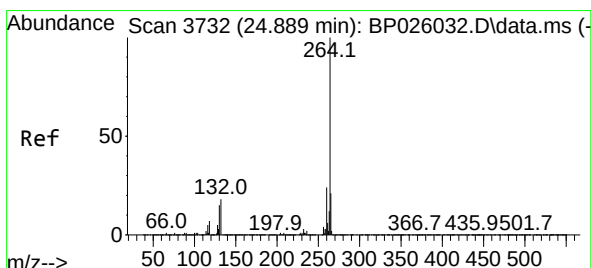
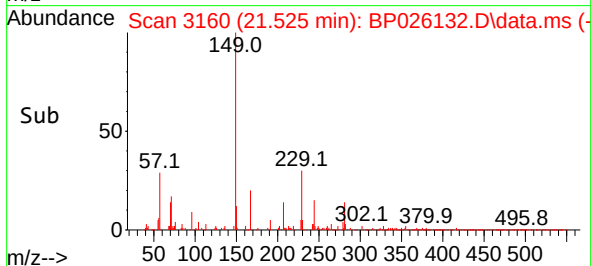
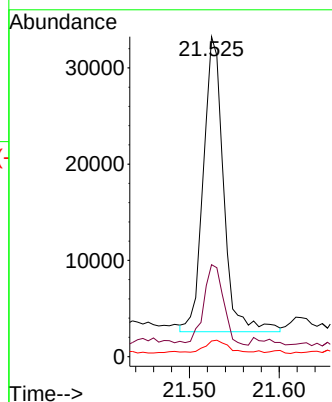
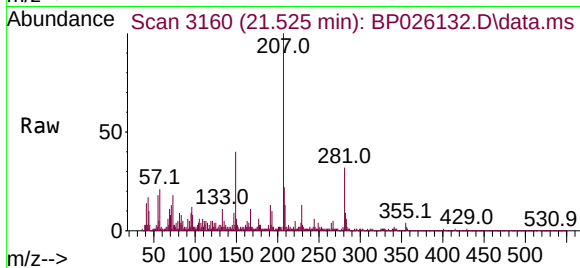




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.270 ng
RT: 21.525 min Scan# 3160
Delta R.T. 0.006 min
Lab File: BP026132.D
Acq: 13 Nov 2025 17:41

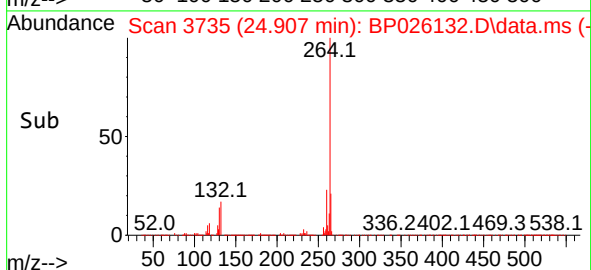
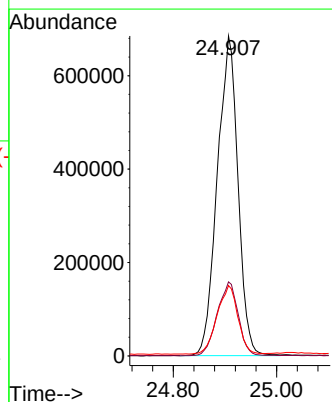
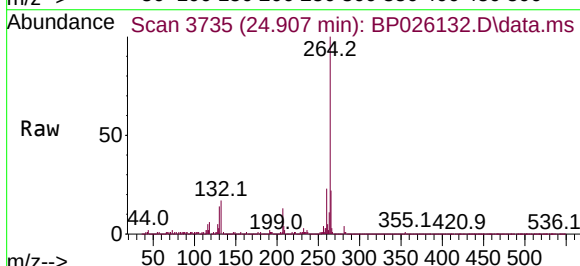
Instrument :
BNA_P
ClientSampleId :
EME-TOP-SOIL

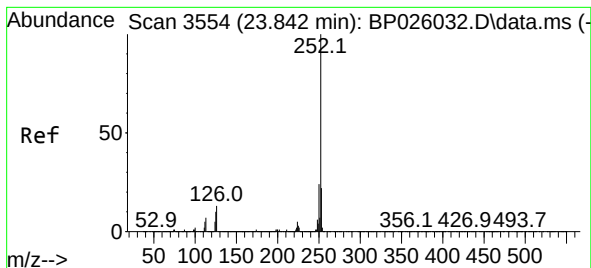
Tgt Ion:149 Resp: 48086
Ion Ratio Lower Upper
149 100
167 28.7 21.5 32.3
279 4.9 3.0 4.6#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.907 min Scan# 3735
Delta R.T. 0.024 min
Lab File: BP026132.D
Acq: 13 Nov 2025 17:41

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# 31

Delta R.T. 0.006 min

Lab File: BP026132.D

Acq: 13 Nov 2025 17:41

Instrument :

BNA_P

ClientSampleId :

EME-TOP-SOIL

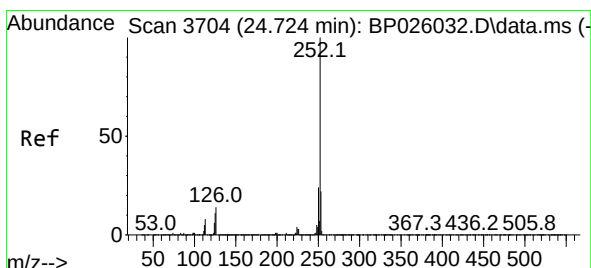
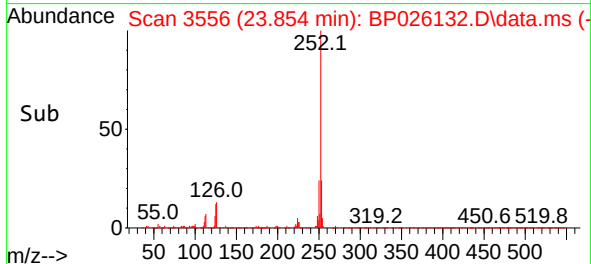
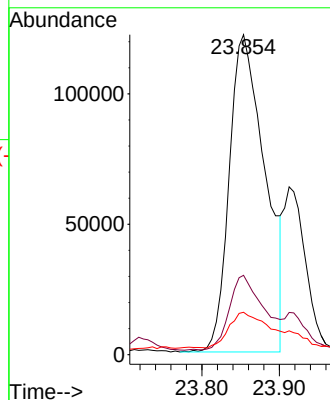
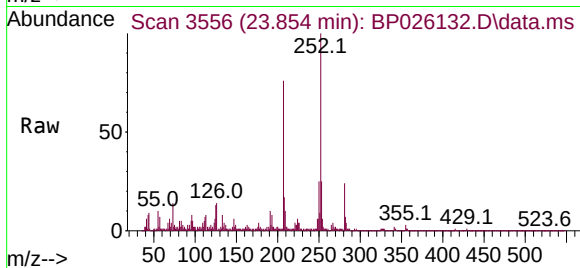
Tgt Ion:252 Resp: 392195

Ion Ratio Lower Upper

252 100

253 24.8 17.6 26.4

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

