

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120925\
 Data File : BP026265.D
 Acq On : 09 Dec 2025 17:39
 Operator : RC/JU
 Sample : Q3801-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SOIL#1

Quant Time: Dec 09 18:02:33 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 05 14:52:44 2025
 Response via : Initial Calibration

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

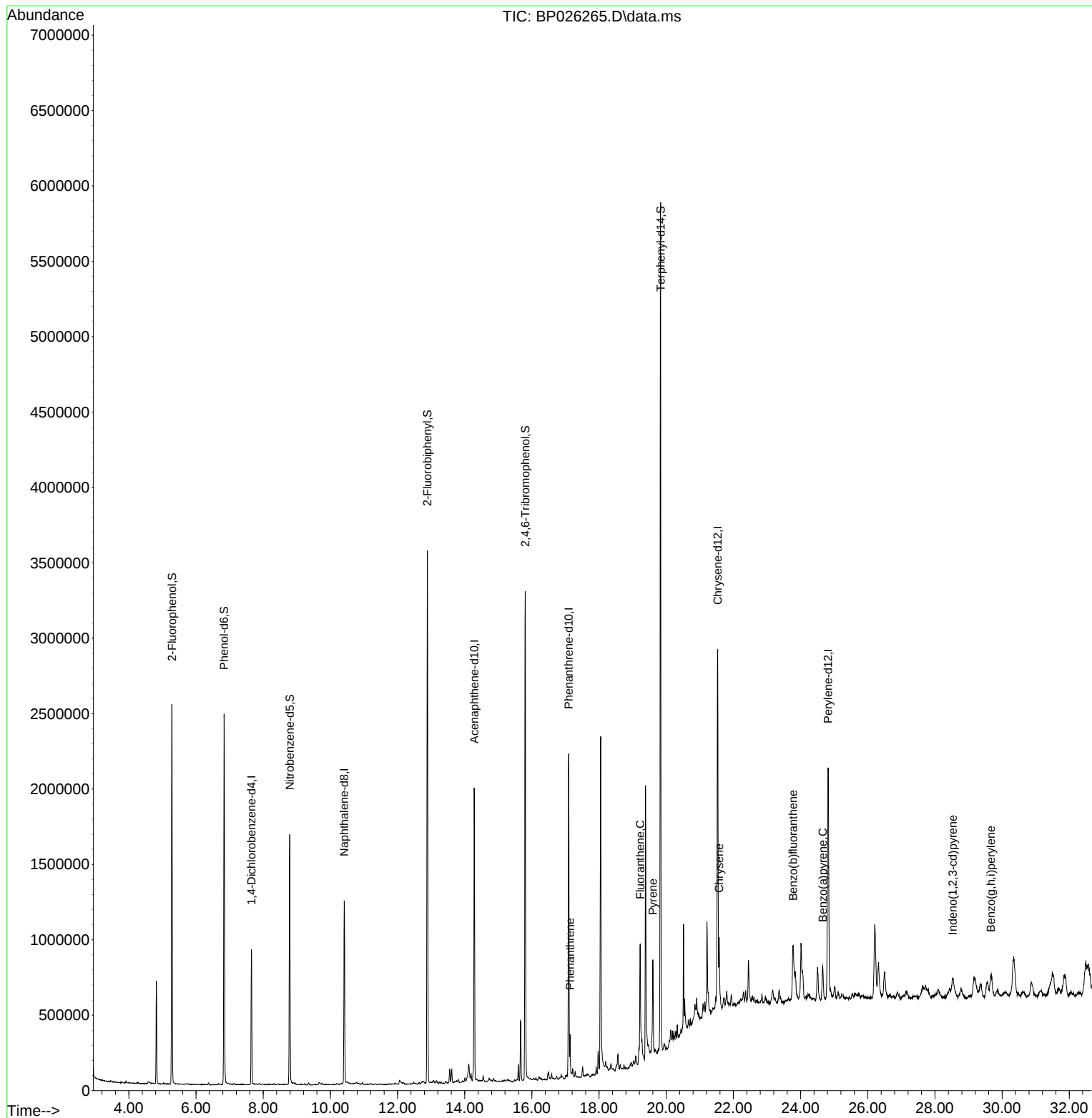
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.649	152	253846	20.000	ng	0.00
21) Naphthalene-d8	10.413	136	1046183	20.000	ng	0.00
39) Acenaphthene-d10	14.284	164	672346	20.000	ng	0.00
64) Phenanthrene-d10	17.095	188	1320839	20.000	ng	0.00
76) Chrysene-d12	21.530	240	1415444	20.000	ng	0.00
86) Perylene-d12	24.818	264	1590353	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.284	112	1174380	74.377	ng	0.00
7) Phenol-d6	6.837	99	1498411	75.181	ng	0.00
23) Nitrobenzene-d5	8.790	82	893564	48.617	ng	0.00
42) 2,4,6-Tribromophenol	15.801	330	685631	78.415	ng	0.00
45) 2-Fluorobiphenyl	12.889	172	2161699	46.745	ng	-0.01
79) Terphenyl-d14	19.830	244	3202415	46.243	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.136	178	165507	2.223	ng	99
75) Fluoranthene	19.224	202	541338	5.974	ng	99
78) Pyrene	19.601	202	449854	4.877	ng	98
83) Chrysene	21.577	228	322416	3.507	ng	99
87) Indeno(1,2,3-cd)pyrene	28.524	276	253398	2.108	ng	# 94
88) Benzo(b)fluoranthene	23.777	252	482652	4.994	ng	96
90) Benzo(a)pyrene	24.659	252	249904	2.727	ng	96
92) Benzo(g,h,i)perylene	29.665	276	242258	2.472	ng	97

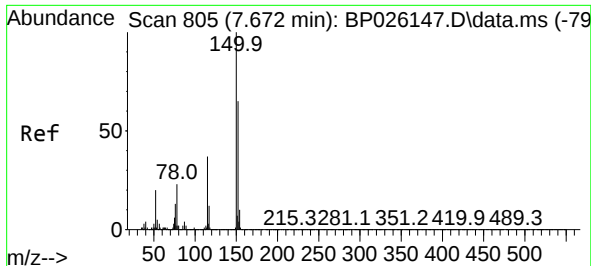
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120925\
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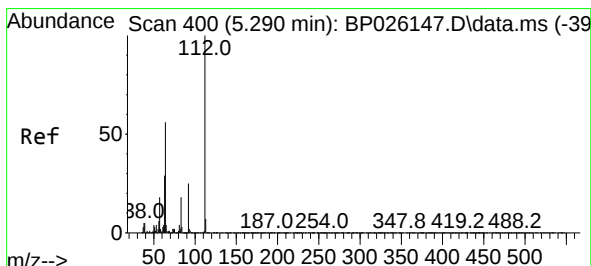
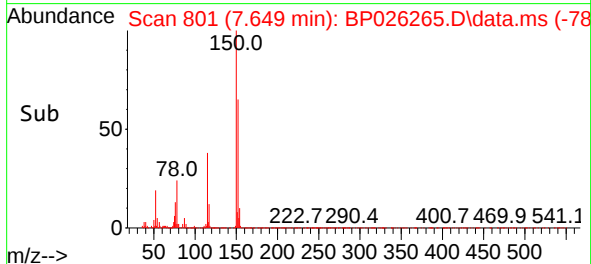
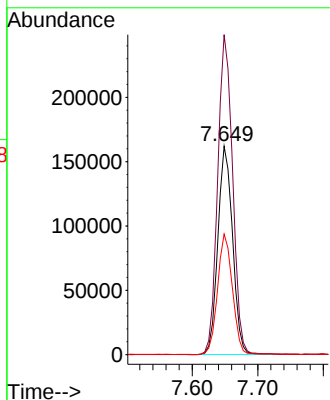
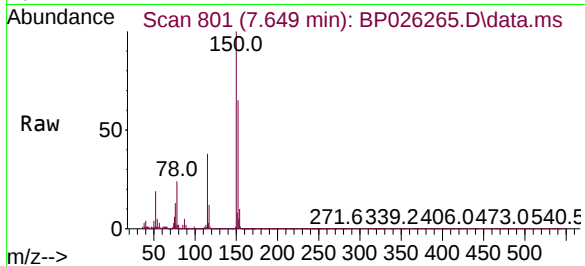




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.649 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP026265.D
Acq: 09 Dec 2025 17:39

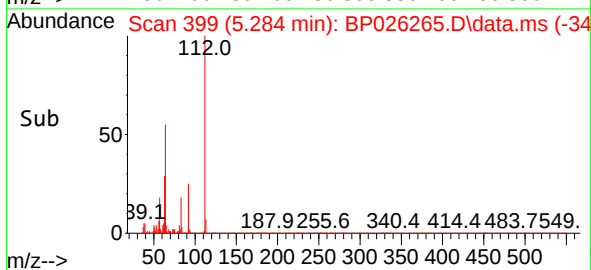
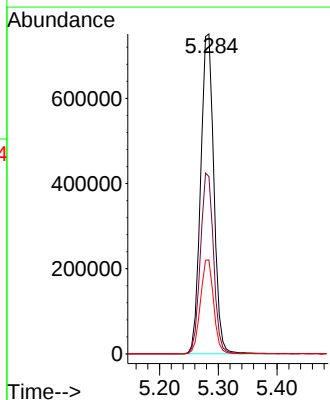
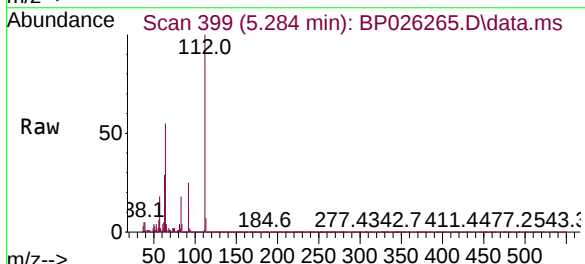
Instrument :
BNA_P
ClientSampleId :
SOIL#1

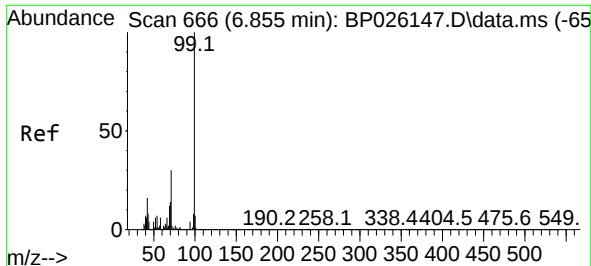
Tgt Ion:152 Resp: 253846
Ion Ratio Lower Upper
152 100
150 153.6 123.0 184.6
115 57.8 46.3 69.5



#5
2-Fluorophenol
Concen: 74.377 ng
RT: 5.284 min Scan# 399
Delta R.T. 0.006 min
Lab File: BP026265.D
Acq: 09 Dec 2025 17:39

Tgt Ion:112 Resp: 1174380
Ion Ratio Lower Upper
112 100
64 55.4 45.8 68.6
63 29.4 23.5 35.3

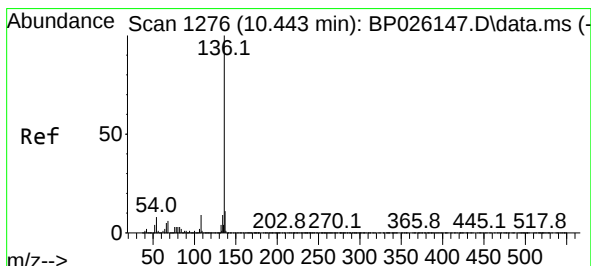
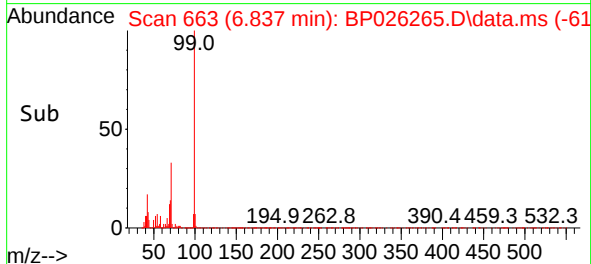
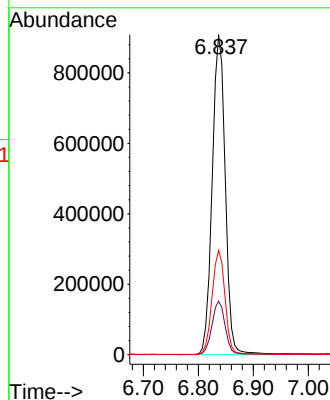
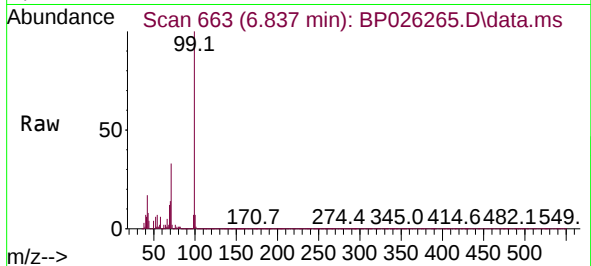




#7
Phenol-d6
Concen: 75.181 ng
RT: 6.837 min Scan# 60
Delta R.T. -0.000 min
Lab File: BP026265.D
Acq: 09 Dec 2025 17:39

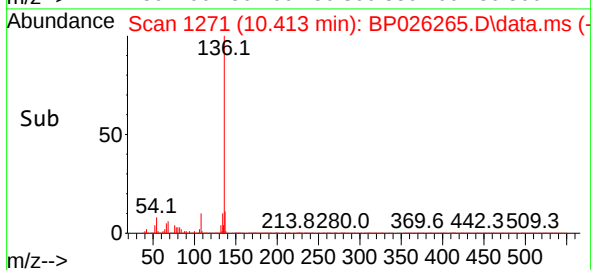
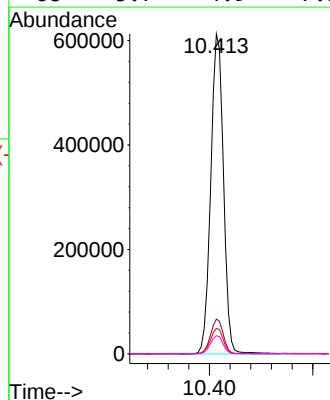
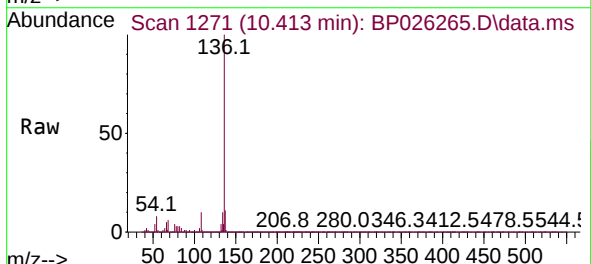
Instrument :
BNA_P
ClientSampleId :
SOIL#1

Tgt Ion: 99 Resp: 1498411
Ion Ratio Lower Upper
99 100
42 16.7 12.9 19.3
71 32.6 24.8 37.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.413 min Scan# 1271
Delta R.T. -0.006 min
Lab File: BP026265.D
Acq: 09 Dec 2025 17:39

Tgt Ion: 136 Resp: 1046183
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 8.0 6.4 9.6
68 5.7 4.9 7.3

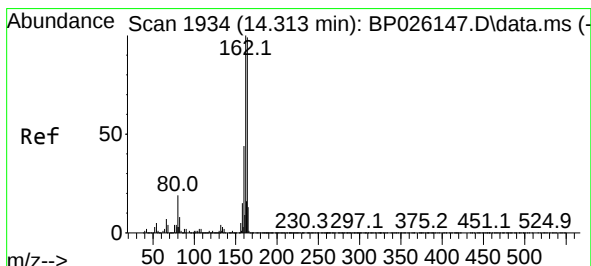
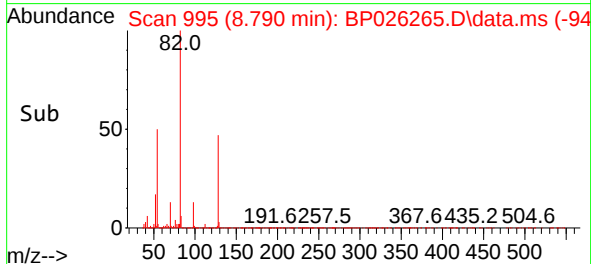
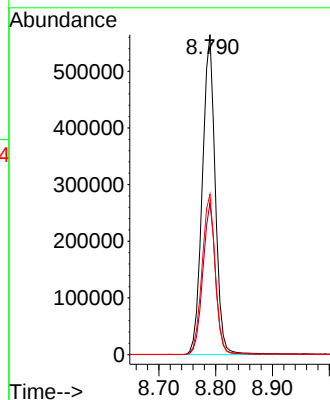
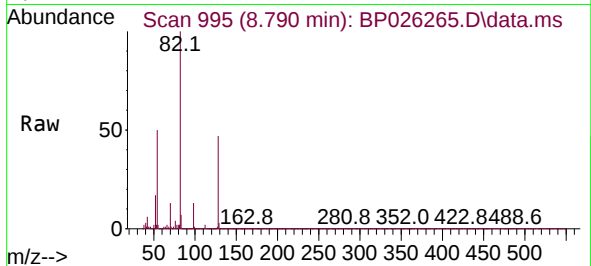




#23
Nitrobenzene-d5
Concen: 48.617 ng
RT: 8.790 min Scan# 999
Delta R.T. -0.000 min
Lab File: BP026265.D
Acq: 09 Dec 2025 17:39

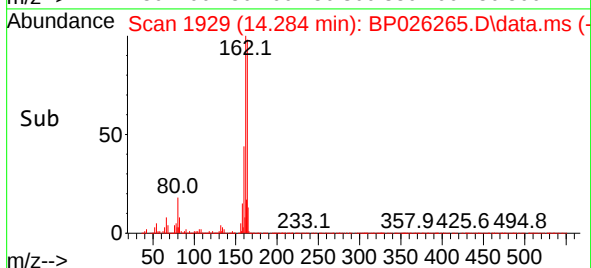
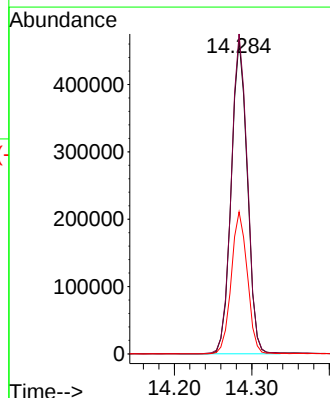
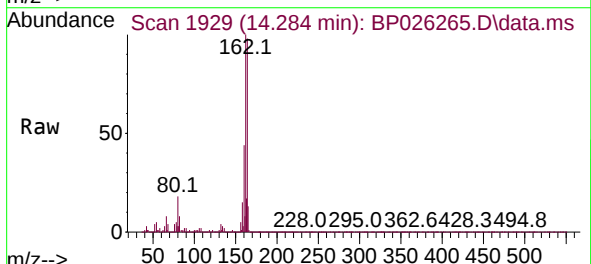
Instrument :
BNA_P
ClientSampleId :
SOIL#1

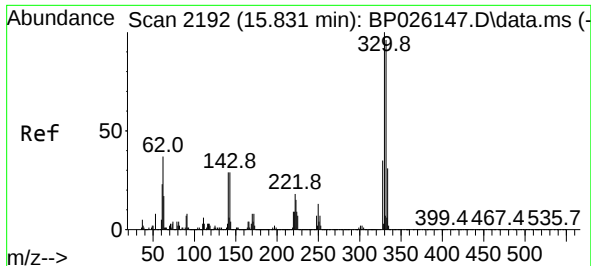
Tgt Ion: 82 Resp: 893564
Ion Ratio Lower Upper
82 100
128 47.4 37.4 56.0
54 50.1 41.6 62.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.284 min Scan# 1929
Delta R.T. -0.006 min
Lab File: BP026265.D
Acq: 09 Dec 2025 17:39

Tgt Ion:164 Resp: 672346
Ion Ratio Lower Upper
164 100
162 102.0 80.3 120.5
160 45.3 35.2 52.8

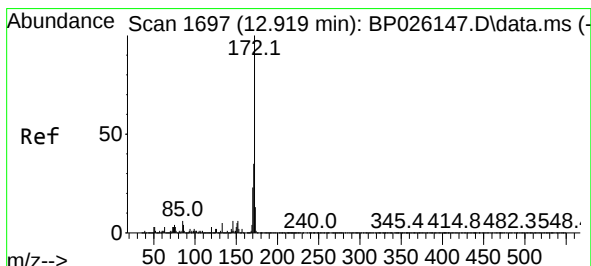
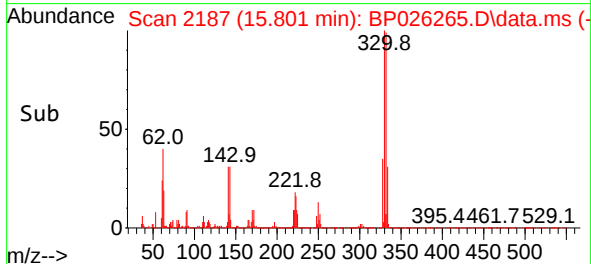
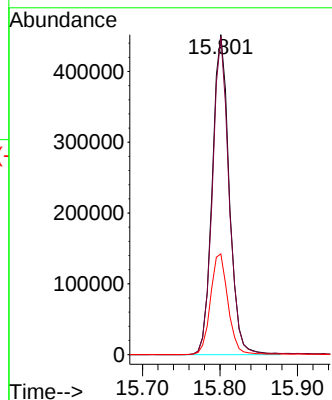
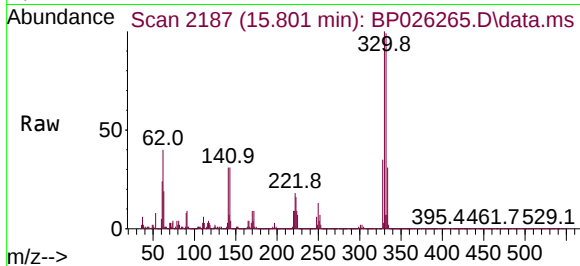




#42
2,4,6-Tribromophenol
Concen: 78.415 ng
RT: 15.801 min Scan# 2192
Delta R.T. -0.006 min
Lab File: BP026265.D
Acq: 09 Dec 2025 17:39

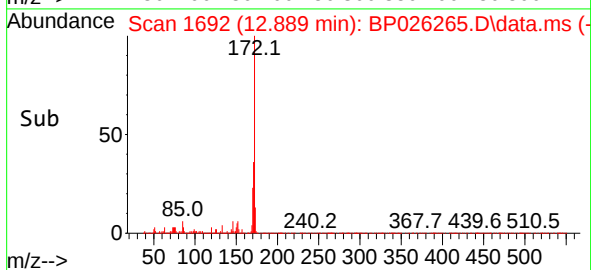
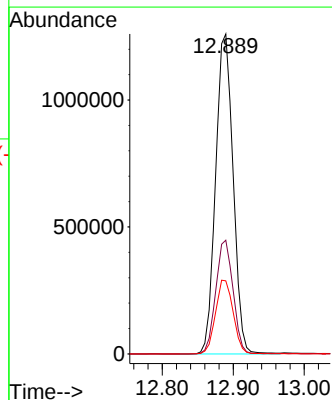
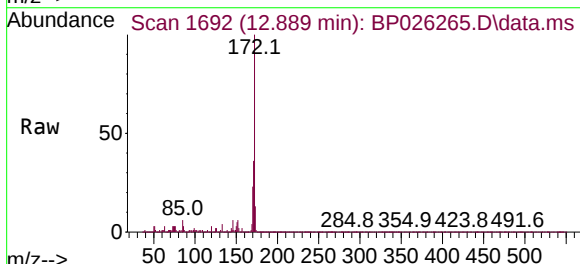
Instrument :
BNA_P
ClientSampleId :
SOIL#1

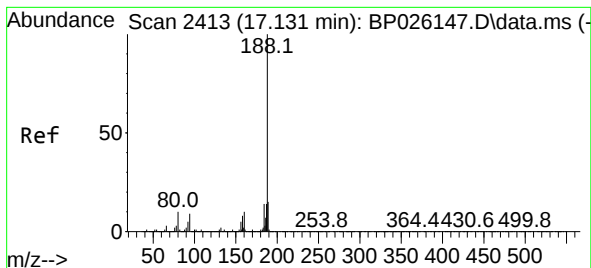
Tgt Ion:330 Resp: 685631
Ion Ratio Lower Upper
330 100
332 97.2 78.0 117.0
141 32.5 26.8 40.2



#45
2-Fluorobiphenyl
Concen: 46.745 ng
RT: 12.889 min Scan# 1692
Delta R.T. -0.012 min
Lab File: BP026265.D
Acq: 09 Dec 2025 17:39

Tgt Ion:172 Resp: 2161699
Ion Ratio Lower Upper
172 100
171 35.5 28.2 42.4
170 22.8 18.7 28.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.095 min Scan# 2413

Delta R.T. -0.000 min

Lab File: BP026265.D

Acq: 09 Dec 2025 17:39

Instrument :

BNA_P

ClientSampleId :

SOIL#1

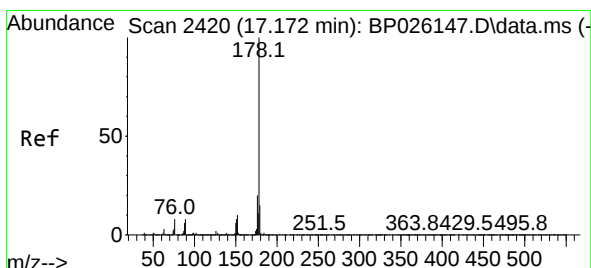
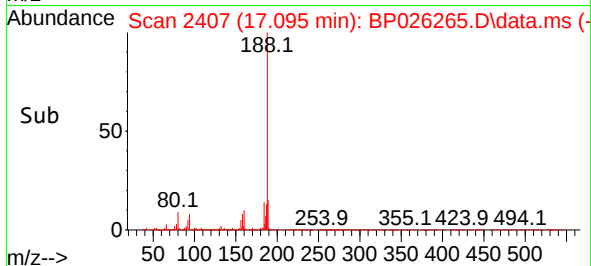
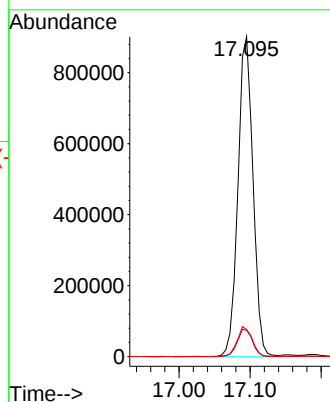
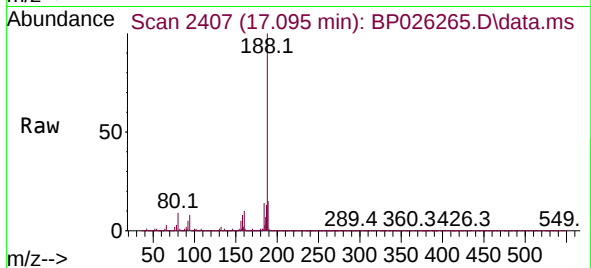
Tgt Ion:188 Resp: 1320839

Ion Ratio Lower Upper

188 100

94 8.2 7.8 11.6

80 8.5 8.2 12.2



#71

Phenanthrene

Concen: 2.223 ng

RT: 17.136 min Scan# 2414

Delta R.T. -0.000 min

Lab File: BP026265.D

Acq: 09 Dec 2025 17:39

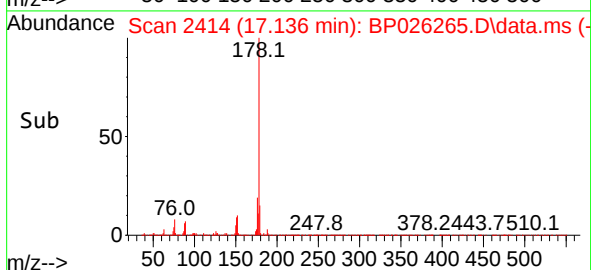
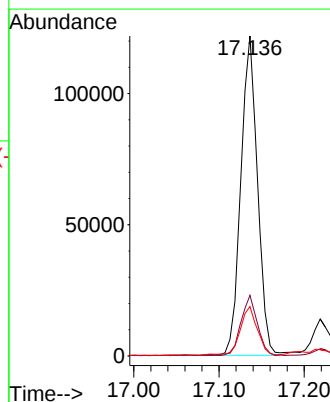
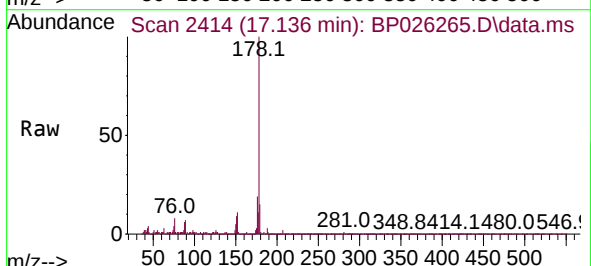
Tgt Ion:178 Resp: 165507

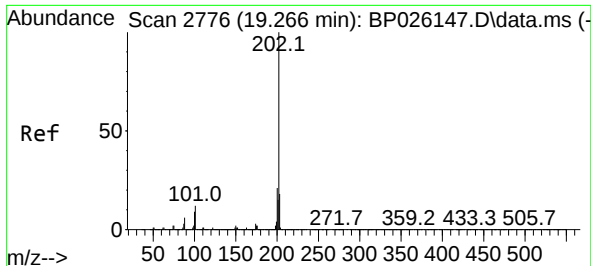
Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

179 15.4 12.4 18.6

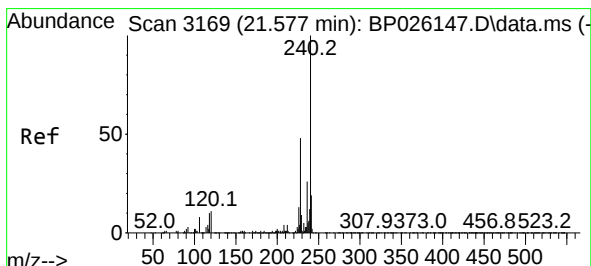
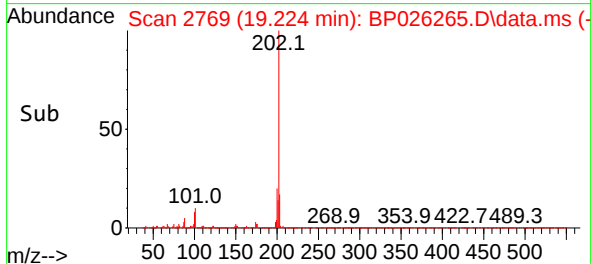
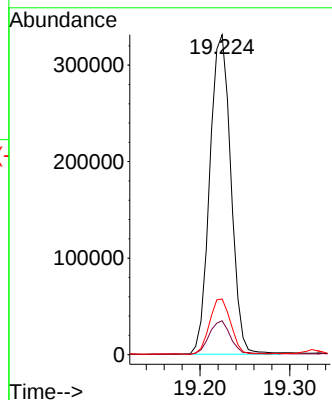
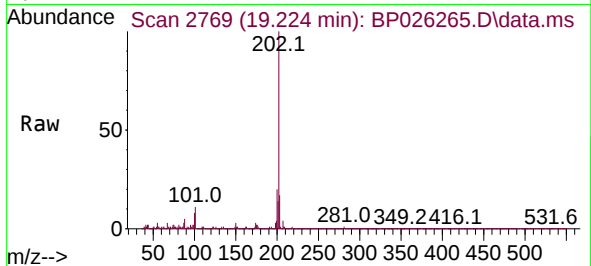




#75
Fluoranthene
Concen: 5.974 ng
RT: 19.224 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP026265.D
Acq: 09 Dec 2025 17:39

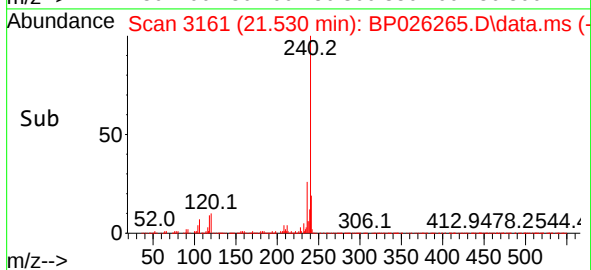
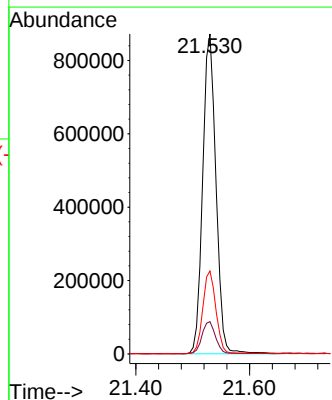
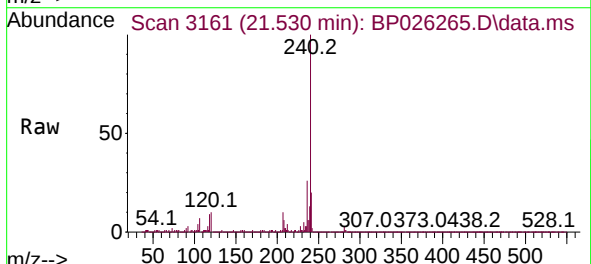
Instrument :
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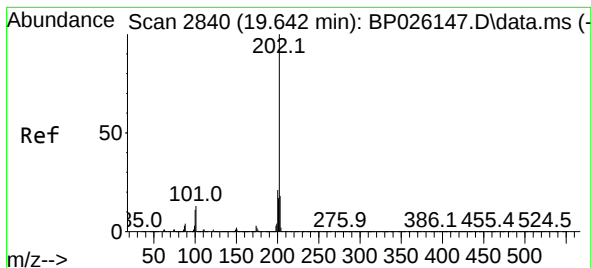
Tgt Ion:202 Resp: 541338
Ion Ratio Lower Upper
202 100
101 10.6 0.0 31.2
203 17.4 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.530 min Scan# 3161
Delta R.T. -0.006 min
Lab File: BP026265.D
Acq: 09 Dec 2025 17:39

Tgt Ion:240 Resp: 1415444
Ion Ratio Lower Upper
240 100
120 10.1 9.0 13.4
236 25.9 20.4 30.6





#78

Pyrene

Concen: 4.877 ng

RT: 19.601 min Scan# 2833

Delta R.T. -0.012 min

Lab File: BP026265.D

Acq: 09 Dec 2025 17:39

Instrument :

BNA_P

ClientSampleId :

SOIL#1

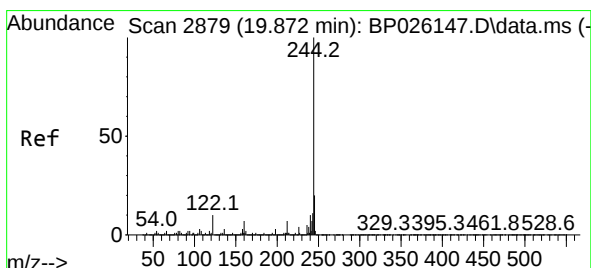
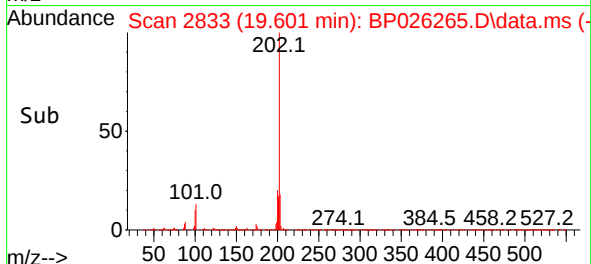
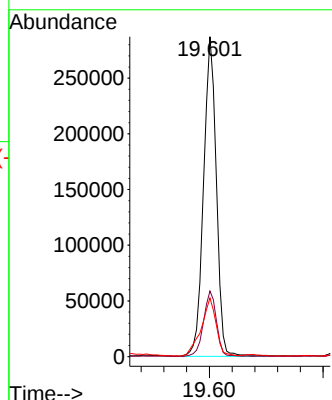
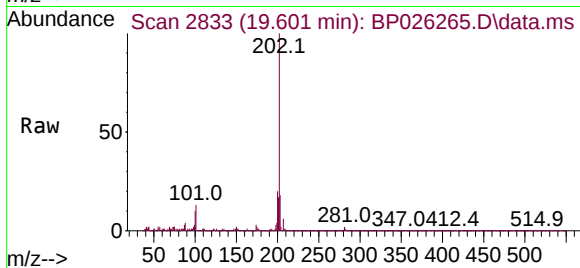
Tgt Ion:202 Resp: 449854

Ion Ratio Lower Upper

202 100

200 20.5 16.9 25.3

203 18.3 13.8 20.8



#79

Terphenyl-d14

Concen: 46.243 ng

RT: 19.830 min Scan# 2872

Delta R.T. -0.006 min

Lab File: BP026265.D

Acq: 09 Dec 2025 17:39

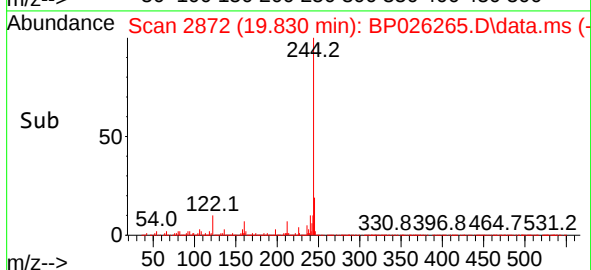
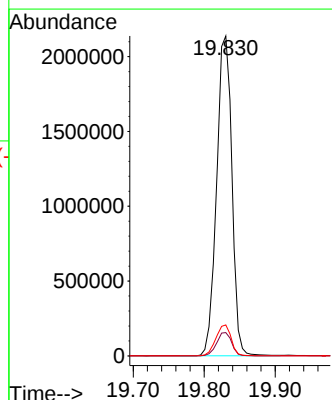
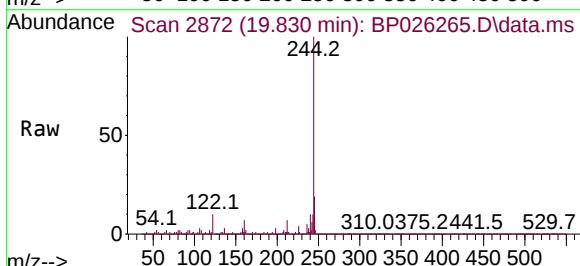
Tgt Ion:244 Resp: 3202415

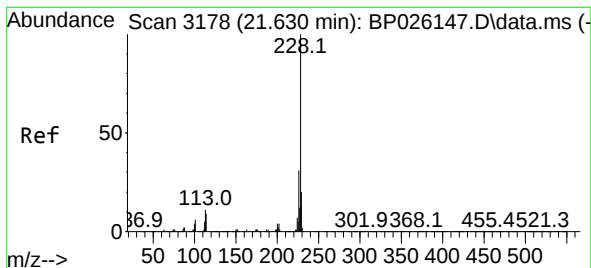
Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

122 9.7 8.2 12.2





#83

Chrysene

Concen: 3.507 ng

RT: 21.577 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP026265.D

Acq: 09 Dec 2025 17:39

Instrument :

BNA_P

ClientSampleId :

SOIL#1

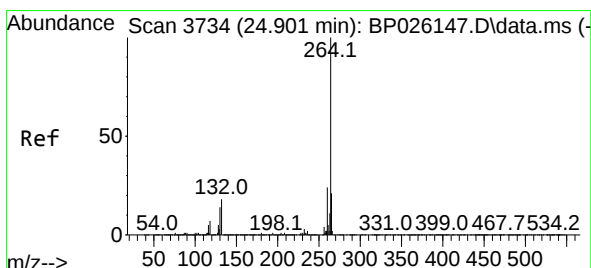
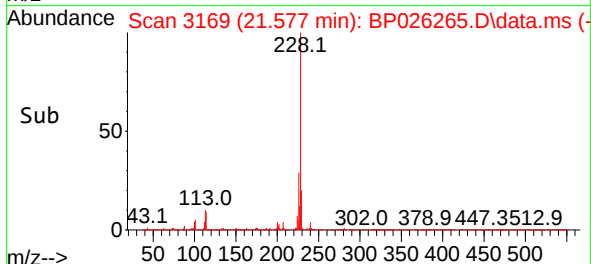
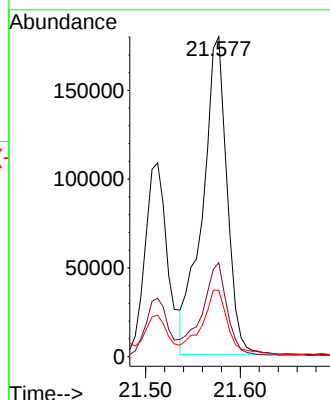
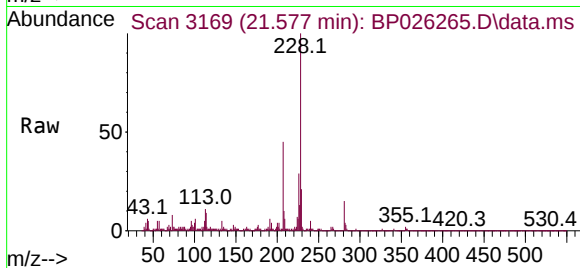
Tgt Ion:228 Resp: 322416

Ion Ratio Lower Upper

228 100

226 29.3 23.9 35.9

229 20.7 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.818 min Scan# 3720

Delta R.T. -0.006 min

Lab File: BP026265.D

Acq: 09 Dec 2025 17:39

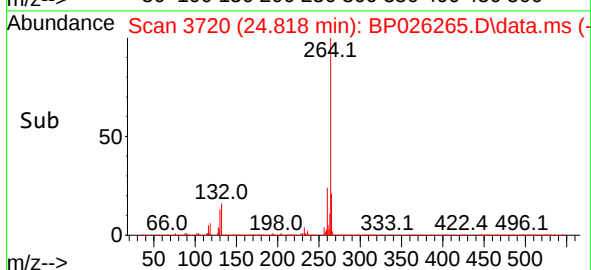
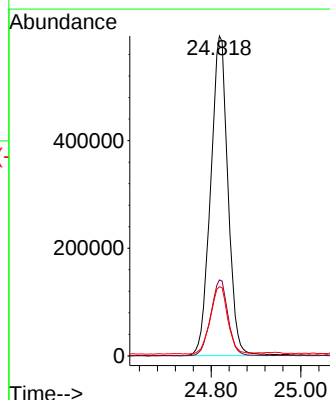
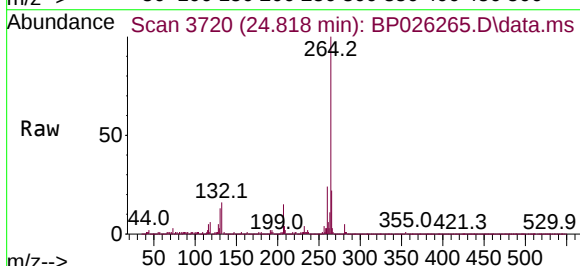
Tgt Ion:264 Resp: 1590353

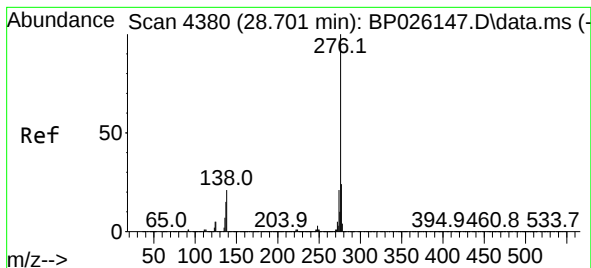
Ion Ratio Lower Upper

264 100

260 23.7 18.7 28.1

265 21.6 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.108 ng

RT: 28.524 min Scan# 4380

Delta R.T. -0.059 min

Lab File: BP026265.D

Acq: 09 Dec 2025 17:39

Instrument :

BNA_P

ClientSampleId :

SOIL#1

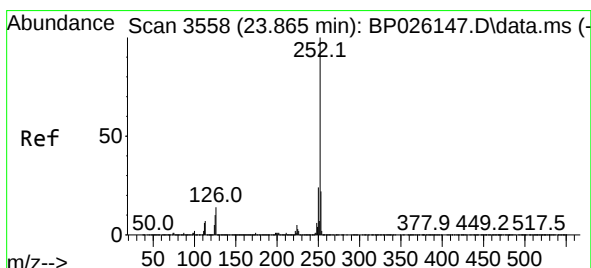
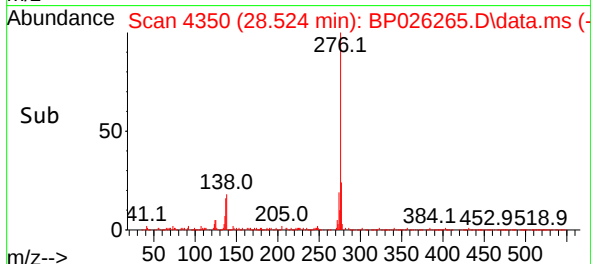
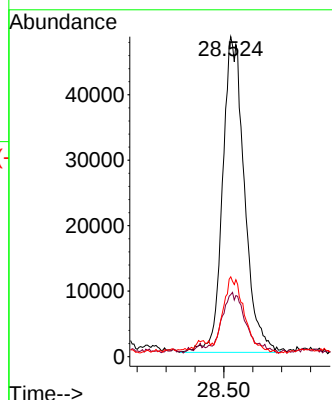
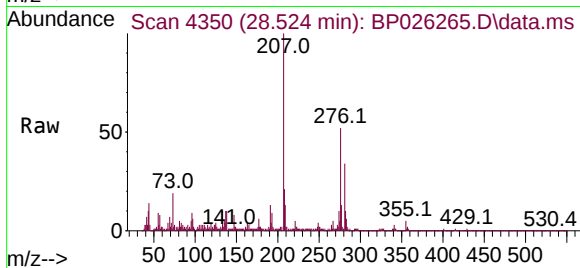
Tgt Ion:276 Resp: 253398

Ion Ratio Lower Upper

276 100

138 21.6 13.8 20.8#

277 22.0 16.7 25.1



#88

Benzo(b)fluoranthene

Concen: 4.994 ng

RT: 23.777 min Scan# 3543

Delta R.T. -0.018 min

Lab File: BP026265.D

Acq: 09 Dec 2025 17:39

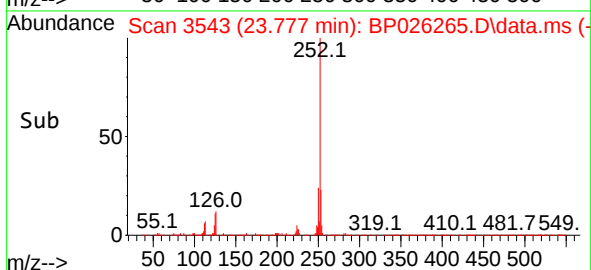
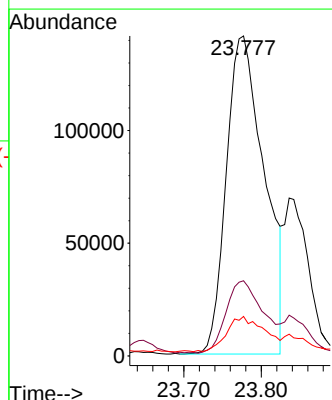
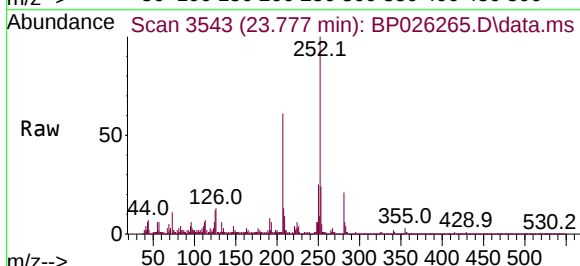
Tgt Ion:252 Resp: 482652

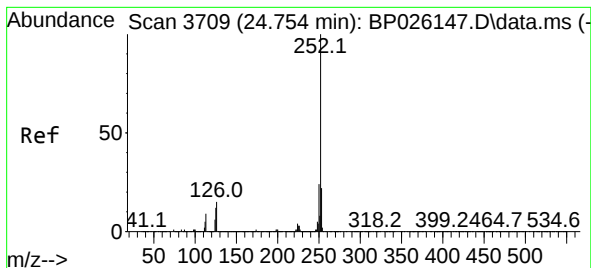
Ion Ratio Lower Upper

252 100

253 23.5 17.6 26.4

125 12.3 8.2 12.4





#90

Benzo(a)pyrene

Concen: 2.727 ng

RT: 24.659 min Scan# 30

Delta R.T. -0.024 min

Lab File: BP026265.D

Acq: 09 Dec 2025 17:39

Instrument :

BNA_P

ClientSampleId :

SOIL#1

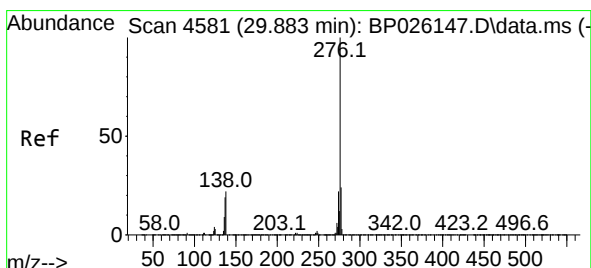
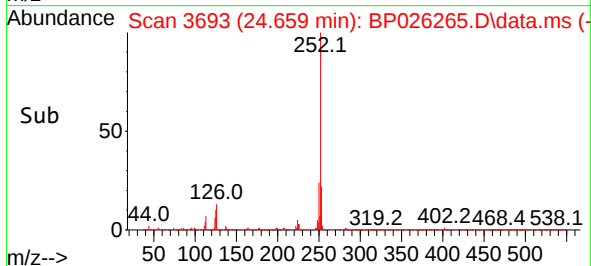
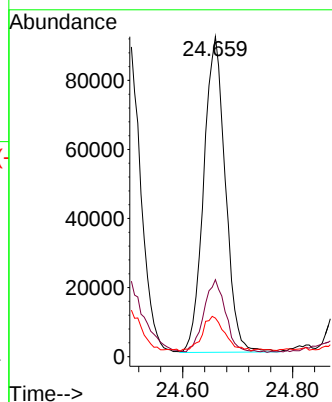
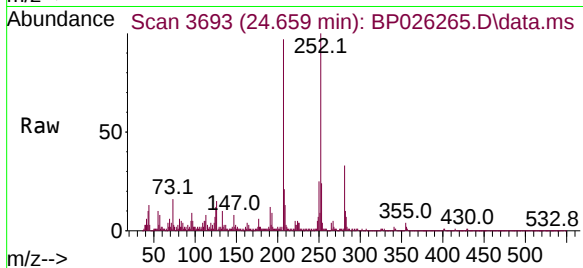
Tgt Ion:252 Resp: 249904

Ion Ratio Lower Upper

252 100

253 24.0 17.4 26.2

125 12.0 9.0 13.6



#92

Benzo(g,h,i)perylene

Concen: 2.472 ng

RT: 29.665 min Scan# 4544

Delta R.T. -0.083 min

Lab File: BP026265.D

Acq: 09 Dec 2025 17:39

Tgt Ion:276 Resp: 242258

Ion Ratio Lower Upper

276 100

277 23.4 18.8 28.2

138 19.0 17.8 26.6

