

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120925\
 Data File : BP026267.D
 Acq On : 09 Dec 2025 19:01
 Operator : RC/JU
 Sample : Q3801-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SOIL#2

Quant Time: Dec 09 23:56:49 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)

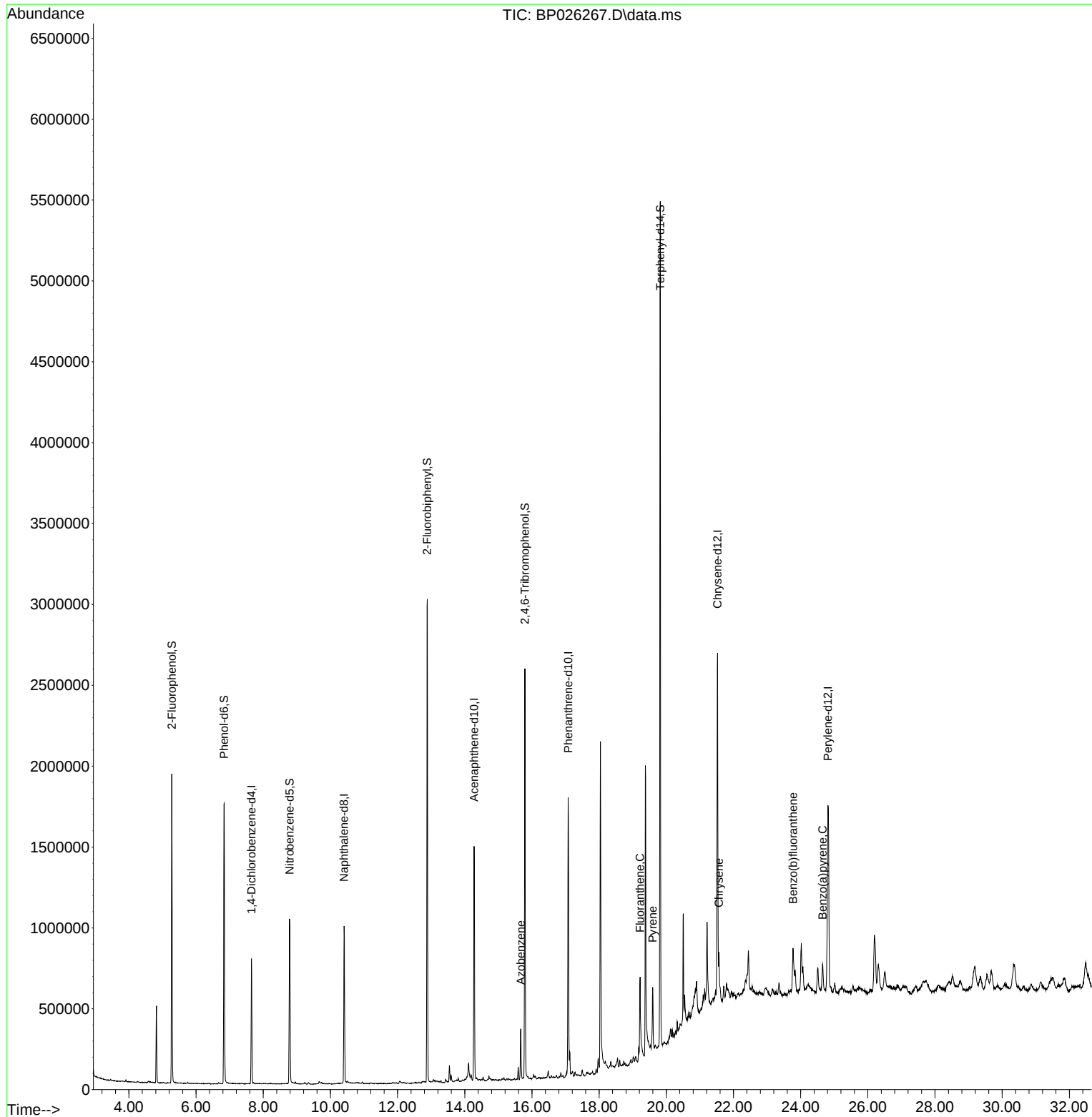
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.649	152	209642	20.000	ng	0.00
21) Naphthalene-d8	10.408	136	860198	20.000	ng	-0.01
39) Acenaphthene-d10	14.278	164	566103	20.000	ng	-0.01
64) Phenanthrene-d10	17.078	188	1136045	20.000	ng	-0.02
76) Chrysene-d12	21.525	240	1222917	20.000	ng	-0.01
86) Perylene-d12	24.813	264	1377989	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.278	112	837034	64.190	ng	0.00
7) Phenol-d6	6.837	99	1061887	64.513	ng	0.00
23) Nitrobenzene-d5	8.784	82	626635	41.465	ng	0.00
42) 2,4,6-Tribromophenol	15.790	330	522150	70.925	ng	-0.02
45) 2-Fluorobiphenyl	12.884	172	1631314	41.896	ng	-0.02
79) Terphenyl-d14	19.819	244	2704716	45.205	ng	-0.02
Target Compounds						
						Qvalue
63) Azobenzene	15.666	77	90519	2.544	ng	# 1
75) Fluoranthene	19.219	202	331920	4.259	ng	99
78) Pyrene	19.595	202	277036	3.476	ng	99
83) Chrysene	21.566	228	213704	2.690	ng	97
88) Benzo(b)fluoranthene	23.772	252	315630	3.769	ng	97
90) Benzo(a)pyrene	24.654	252	169821	2.138	ng	94

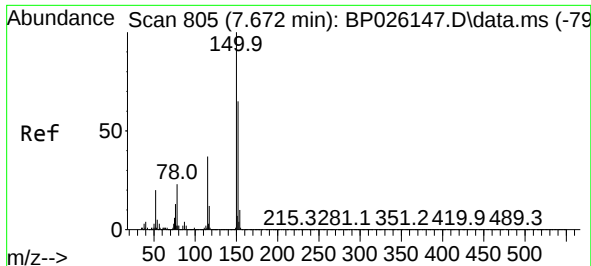
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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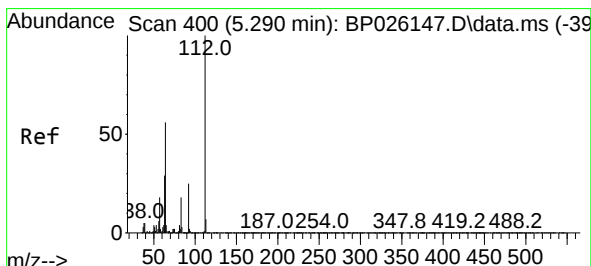
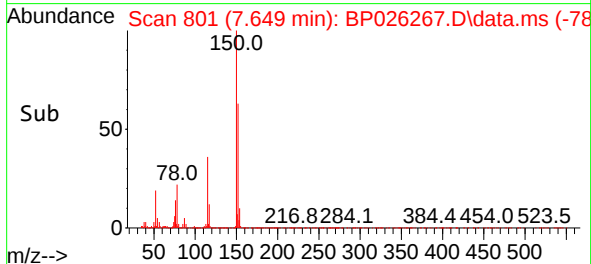
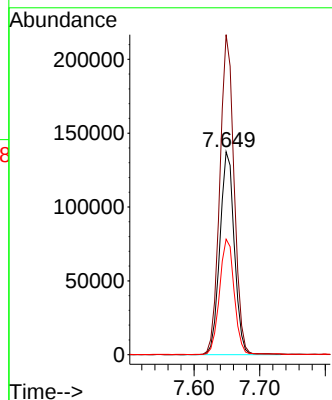
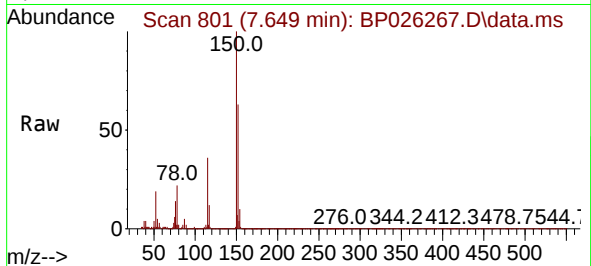




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.649 min Scan# 805
 Delta R.T. -0.006 min
 Lab File: BP026267.D
 Acq: 09 Dec 2025 19:01

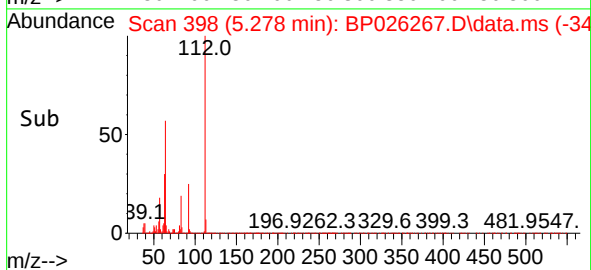
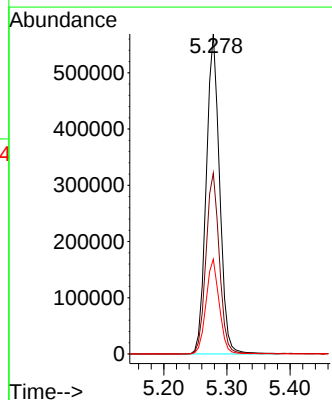
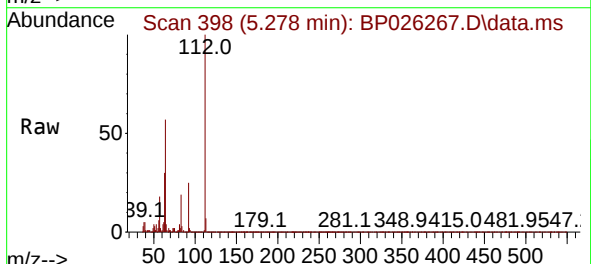
Instrument :
 BNA_P
 ClientSampleId :
 SOIL#2

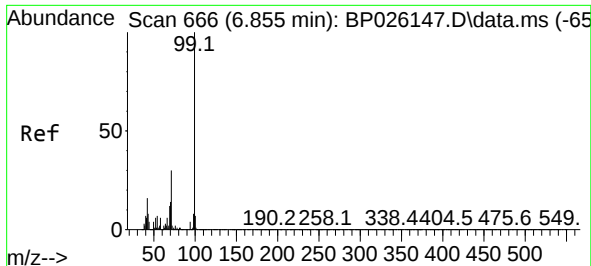
Tgt Ion:152 Resp: 209642
 Ion Ratio Lower Upper
 152 100
 150 157.7 123.0 184.6
 115 56.9 46.3 69.5



#5
 2-Fluorophenol
 Concen: 64.190 ng
 RT: 5.278 min Scan# 398
 Delta R.T. 0.000 min
 Lab File: BP026267.D
 Acq: 09 Dec 2025 19:01

Tgt Ion:112 Resp: 837034
 Ion Ratio Lower Upper
 112 100
 64 56.6 45.8 68.6
 63 29.6 23.5 35.3

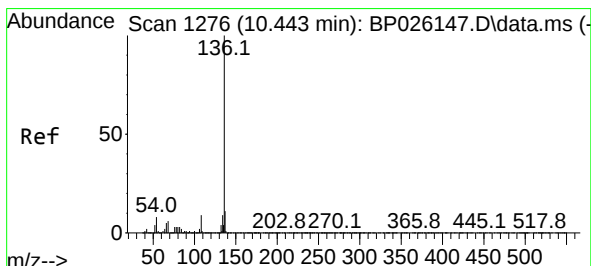
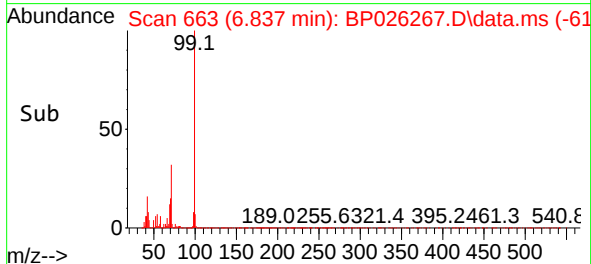
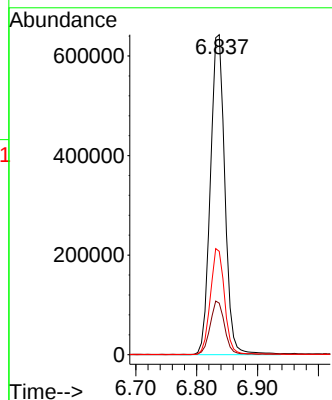
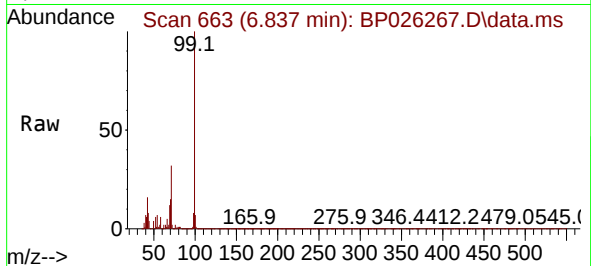




#7
Phenol-d6
Concen: 64.513 ng
RT: 6.837 min Scan# 60
Delta R.T. 0.000 min
Lab File: BP026267.D
Acq: 09 Dec 2025 19:01

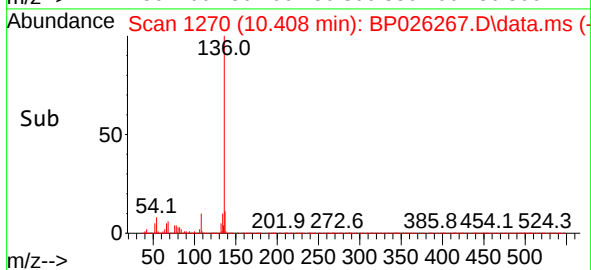
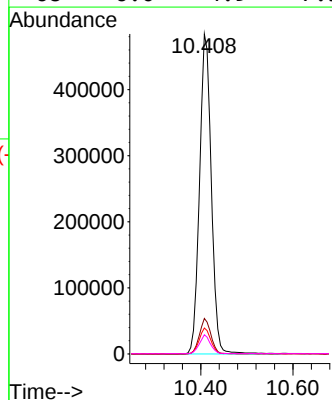
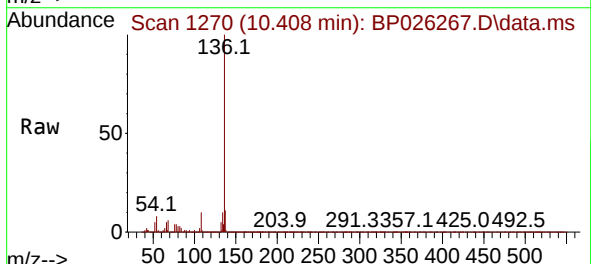
Instrument :
BNA_P
ClientSampleId :
SOIL#2

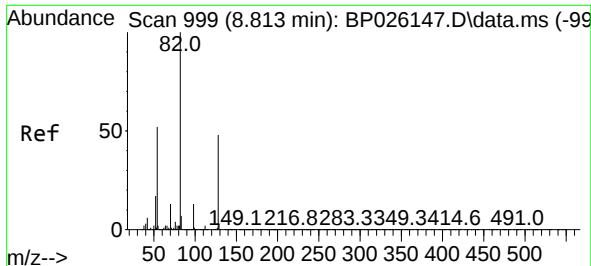
Tgt Ion: 99 Resp: 1061887
Ion Ratio Lower Upper
99 100
42 16.1 12.9 19.3
71 32.3 24.8 37.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.408 min Scan# 1270
Delta R.T. -0.012 min
Lab File: BP026267.D
Acq: 09 Dec 2025 19:01

Tgt Ion: 136 Resp: 860198
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 8.1 6.4 9.6
68 6.0 4.9 7.3

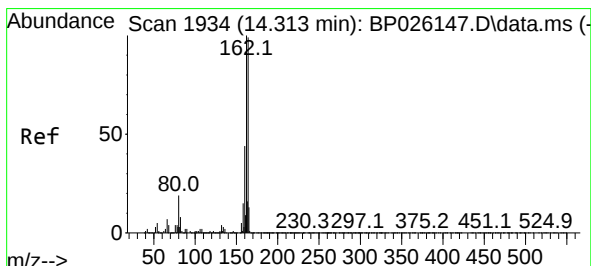
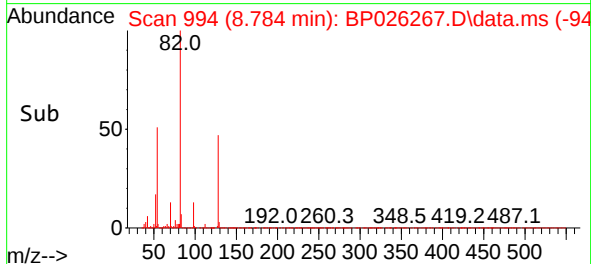
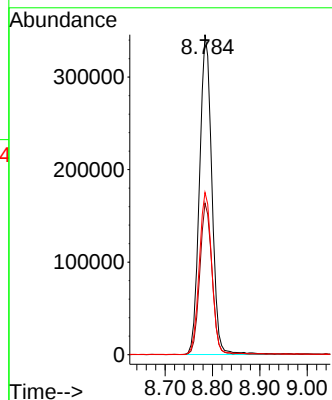
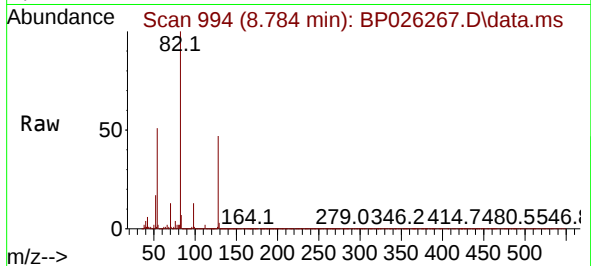




#23
Nitrobenzene-d5
Concen: 41.465 ng
RT: 8.784 min Scan# 999
Delta R.T. -0.006 min
Lab File: BP026267.D
Acq: 09 Dec 2025 19:01

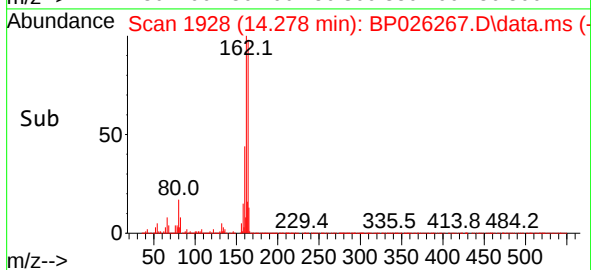
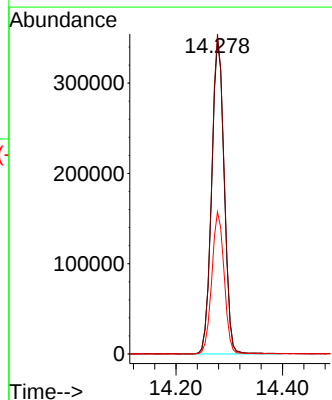
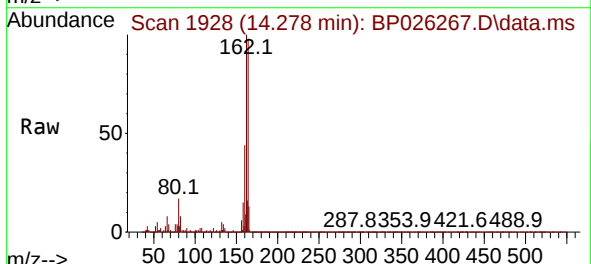
Instrument :
BNA_P
ClientSampleId :
SOIL#2

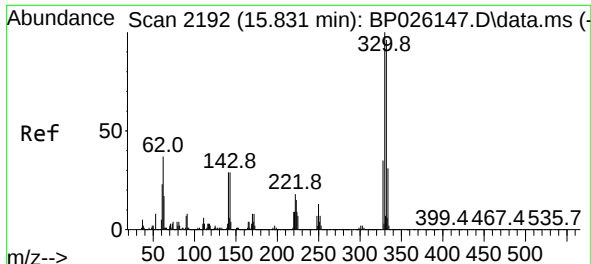
Tgt Ion: 82 Resp: 626635
Ion Ratio Lower Upper
82 100
128 47.3 37.4 56.0
54 50.7 41.6 62.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.278 min Scan# 1928
Delta R.T. -0.012 min
Lab File: BP026267.D
Acq: 09 Dec 2025 19:01

Tgt Ion:164 Resp: 566103
Ion Ratio Lower Upper
164 100
162 102.1 80.3 120.5
160 45.4 35.2 52.8

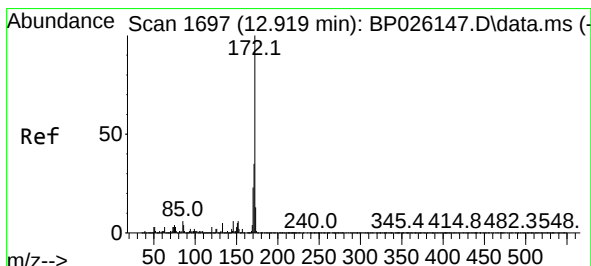
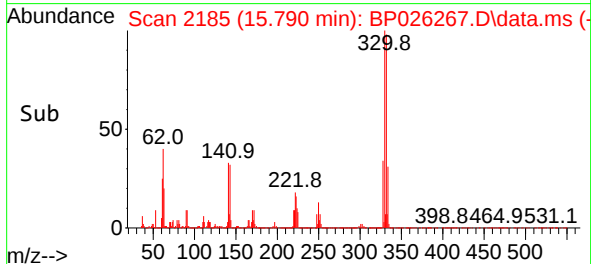
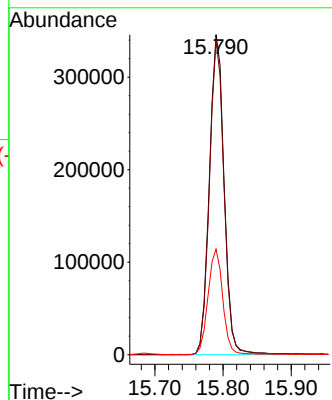
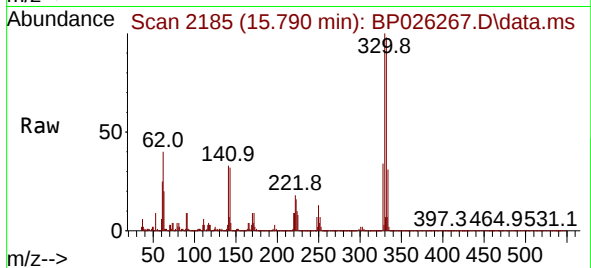




#42
2,4,6-Tribromophenol
Concen: 70.925 ng
RT: 15.790 min Scan# 2192
Delta R.T. -0.018 min
Lab File: BP026267.D
Acq: 09 Dec 2025 19:01

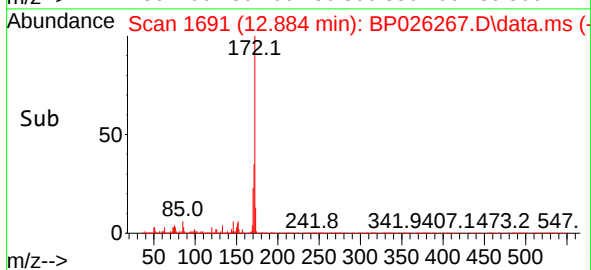
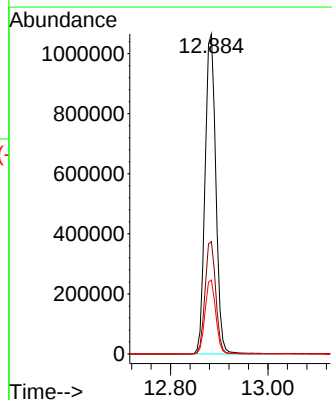
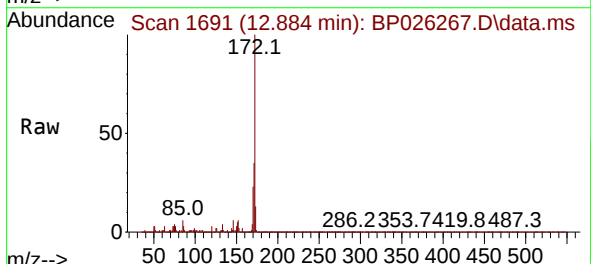
Instrument :
BNA_P
ClientSampleId :
SOIL#2

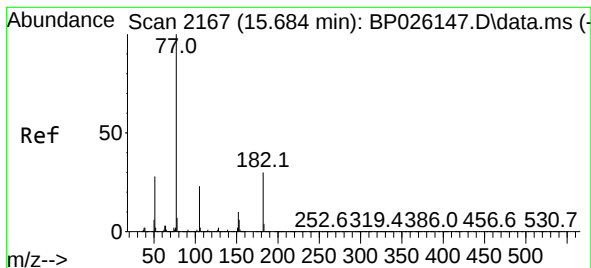
Tgt Ion:330 Resp: 522150
Ion Ratio Lower Upper
330 100
332 97.4 78.0 117.0
141 32.8 26.8 40.2



#45
2-Fluorobiphenyl
Concen: 41.896 ng
RT: 12.884 min Scan# 1691
Delta R.T. -0.018 min
Lab File: BP026267.D
Acq: 09 Dec 2025 19:01

Tgt Ion:172 Resp: 1631314
Ion Ratio Lower Upper
172 100
171 35.1 28.2 42.4
170 23.1 18.7 28.1





#63

Azobenzene

Concen: 2.544 ng

RT: 15.666 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP026267.D

Acq: 09 Dec 2025 19:01

Instrument :

BNA_P

ClientSampleId :

SOIL#2

Tgt Ion: 77 Resp: 90519

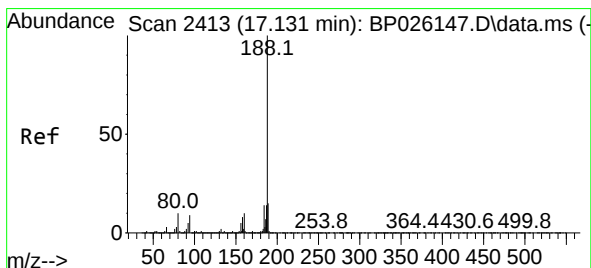
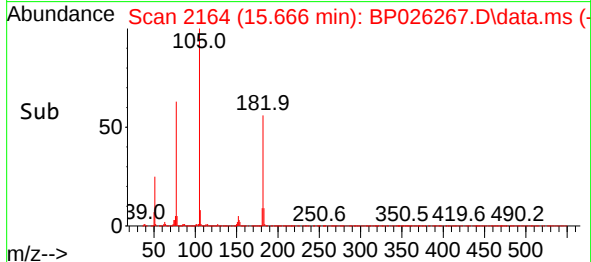
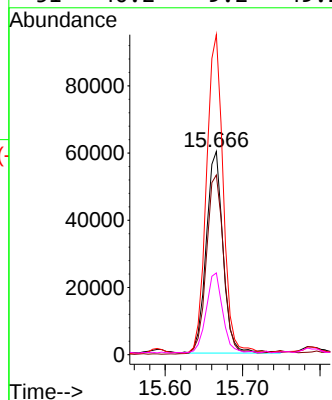
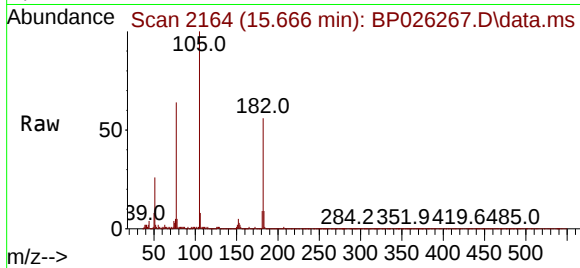
Ion Ratio Lower Upper

77 100

182 88.4 8.8 48.8#

105 157.5 2.6 42.6#

51 40.2 9.2 49.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.078 min Scan# 2404

Delta R.T. -0.018 min

Lab File: BP026267.D

Acq: 09 Dec 2025 19:01

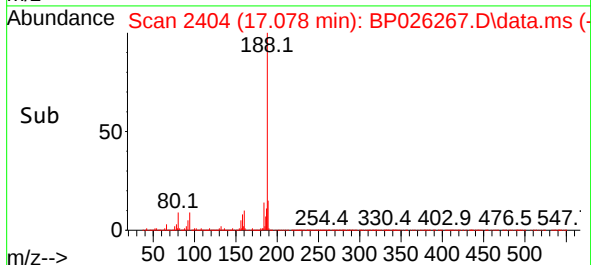
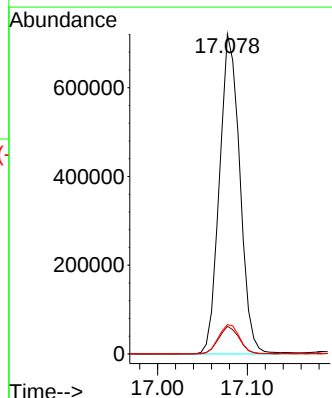
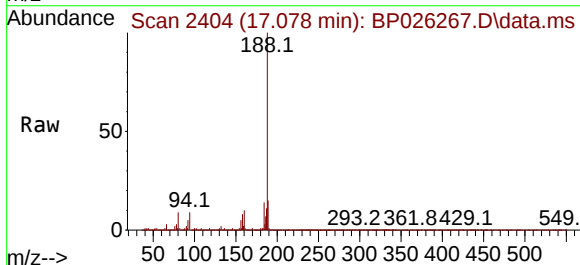
Tgt Ion:188 Resp: 1136045

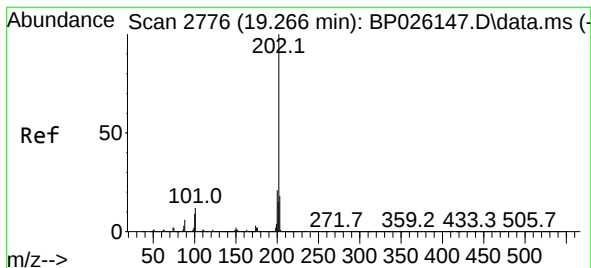
Ion Ratio Lower Upper

188 100

94 8.6 7.8 11.6

80 9.2 8.2 12.2





#75

Fluoranthene

Concen: 4.259 ng

RT: 19.219 min Scan# 21

Delta R.T. -0.018 min

Lab File: BP026267.D

Acq: 09 Dec 2025 19:01

Instrument :

BNA_P

ClientSampleId :

SOIL#2

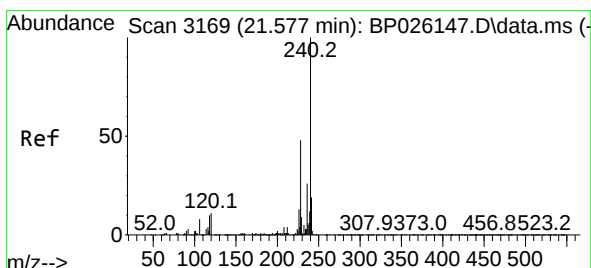
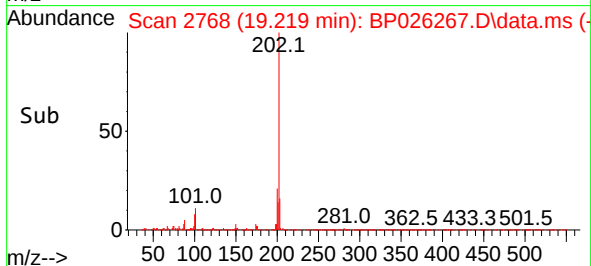
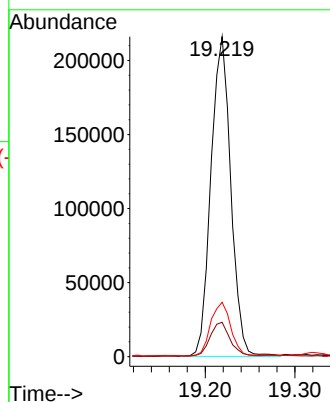
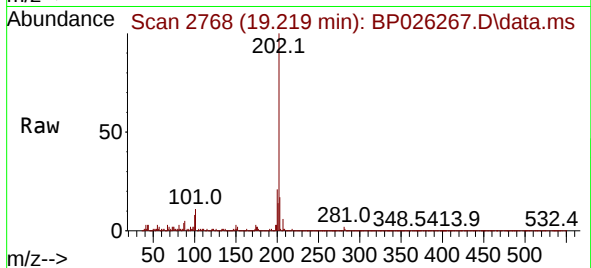
Tgt Ion:202 Resp: 331920

Ion Ratio Lower Upper

202 100

101 10.7 0.0 31.2

203 17.0 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.525 min Scan# 3160

Delta R.T. -0.012 min

Lab File: BP026267.D

Acq: 09 Dec 2025 19:01

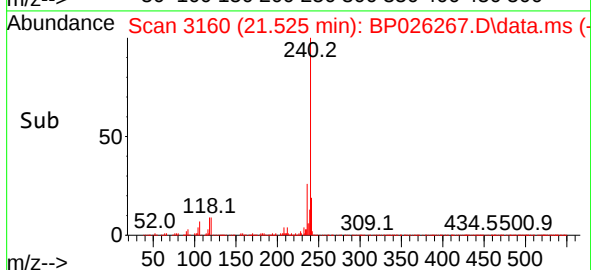
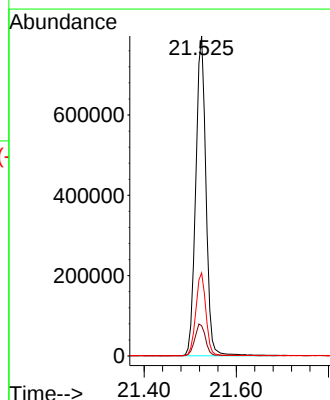
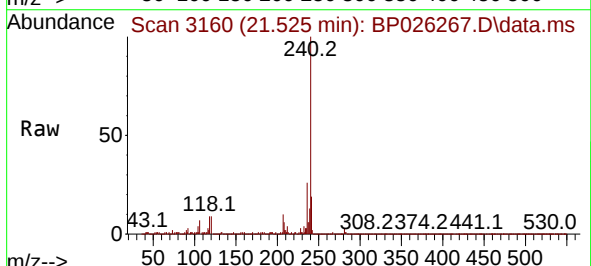
Tgt Ion:240 Resp: 1222917

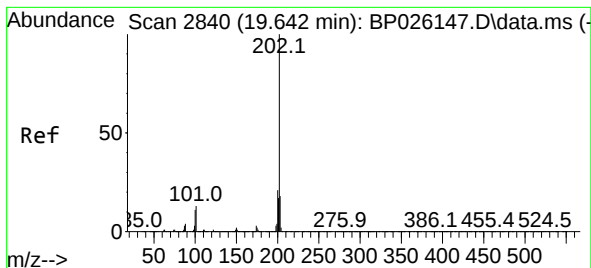
Ion Ratio Lower Upper

240 100

120 9.4 9.0 13.4

236 25.9 20.4 30.6





#78

Pyrene

Concen: 3.476 ng

RT: 19.595 min Scan# 2832

Delta R.T. -0.018 min

Lab File: BP026267.D

Acq: 09 Dec 2025 19:01

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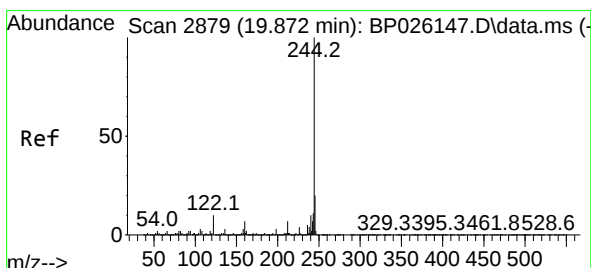
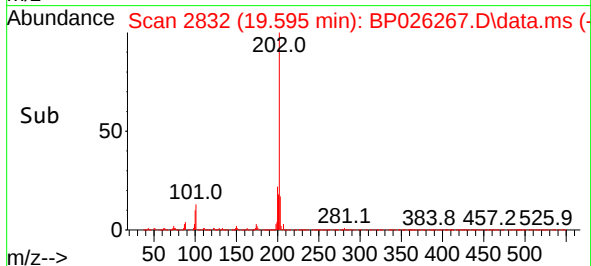
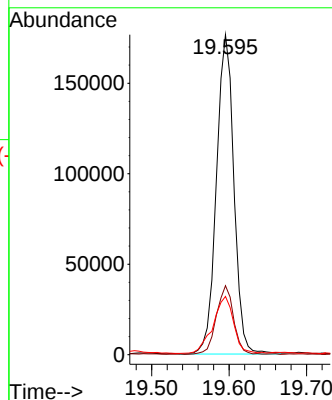
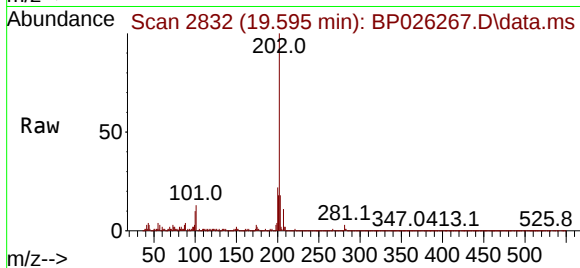
Tgt Ion:202 Resp: 277036

Ion Ratio Lower Upper

202 100

200 21.5 16.9 25.3

203 18.2 13.8 20.8



#79

Terphenyl-d14

Concen: 45.205 ng

RT: 19.819 min Scan# 2870

Delta R.T. -0.018 min

Lab File: BP026267.D

Acq: 09 Dec 2025 19:01

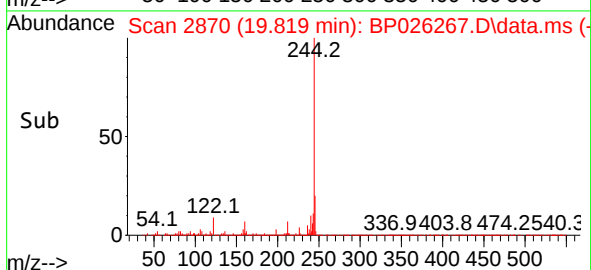
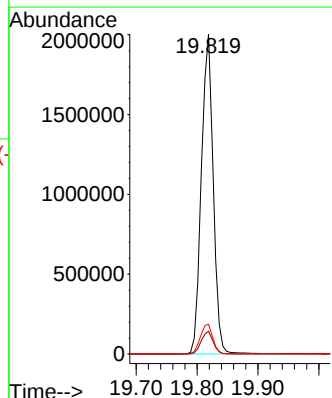
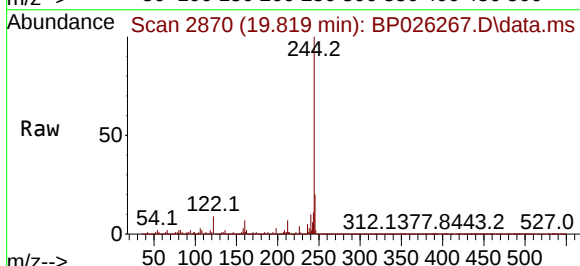
Tgt Ion:244 Resp: 2704716

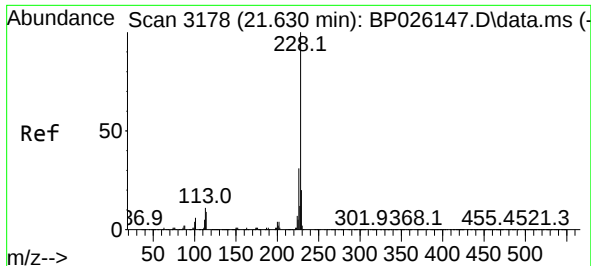
Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

122 9.3 8.2 12.2

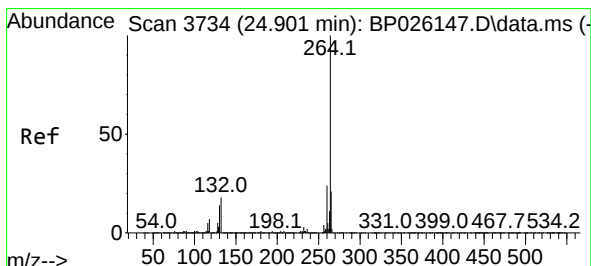
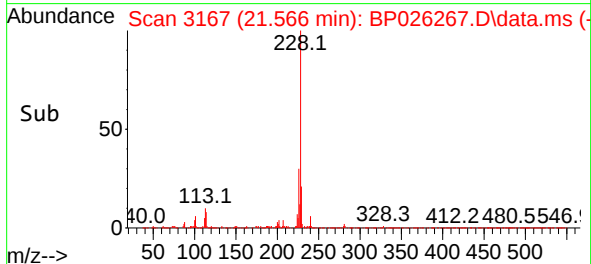
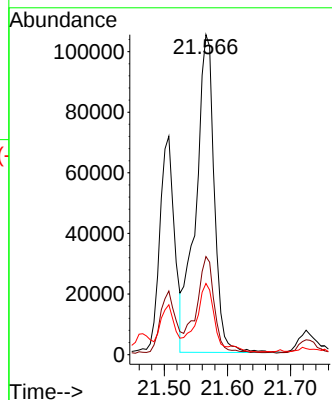
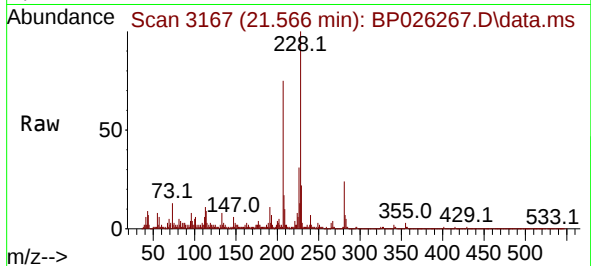




#83
Chrysene
Concen: 2.690 ng
RT: 21.566 min Scan# 3178
Delta R.T. -0.018 min
Lab File: BP026267.D
Acq: 09 Dec 2025 19:01

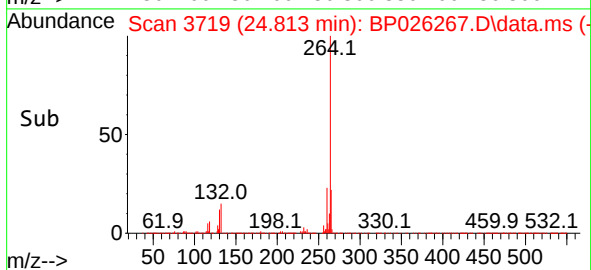
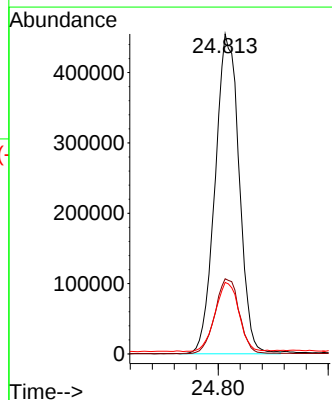
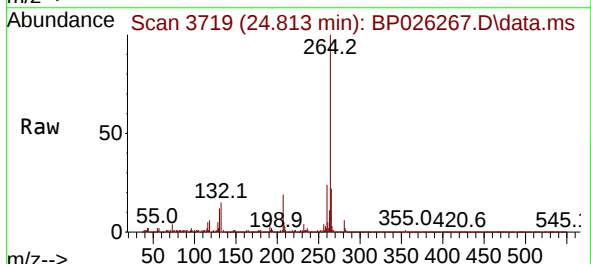
Instrument :
BNA_P
ClientSampleId :
SOIL#2

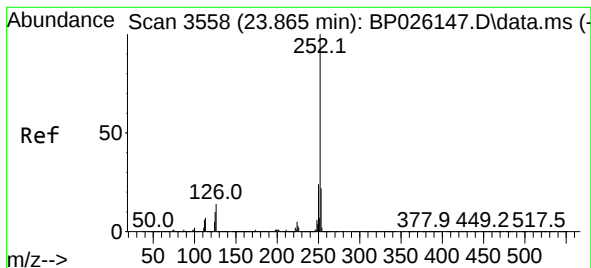
Tgt Ion:228 Resp: 213704
Ion Ratio Lower Upper
228 100
226 30.6 23.9 35.9
229 22.3 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.813 min Scan# 3719
Delta R.T. -0.012 min
Lab File: BP026267.D
Acq: 09 Dec 2025 19:01

Tgt Ion:264 Resp: 1377989
Ion Ratio Lower Upper
264 100
260 23.5 18.7 28.1
265 22.3 17.5 26.3





#88

Benzo(b)fluoranthene

Concen: 3.769 ng

RT: 23.772 min Scan# 31

Delta R.T. -0.024 min

Lab File: BP026267.D

Acq: 09 Dec 2025 19:01

Instrument :

BNA_P

ClientSampleId :

SOIL#2

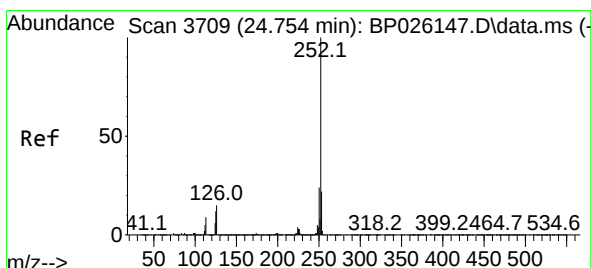
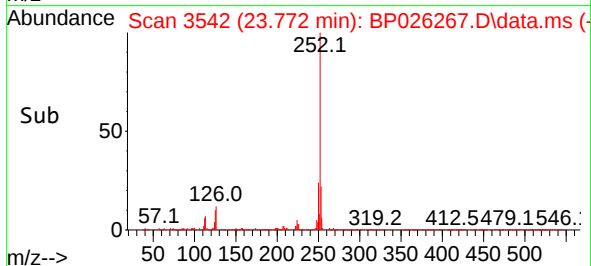
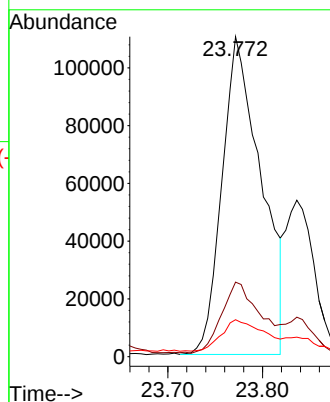
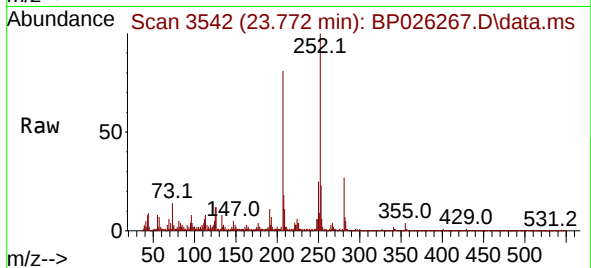
Tgt Ion:252 Resp: 315630

Ion Ratio Lower Upper

252 100

253 23.3 17.6 26.4

125 11.6 8.2 12.4



#90

Benzo(a)pyrene

Concen: 2.138 ng

RT: 24.654 min Scan# 3692

Delta R.T. -0.029 min

Lab File: BP026267.D

Acq: 09 Dec 2025 19:01

Tgt Ion:252 Resp: 169821

Ion Ratio Lower Upper

252 100

253 24.6 17.4 26.2

125 13.5 9.0 13.6

