

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)

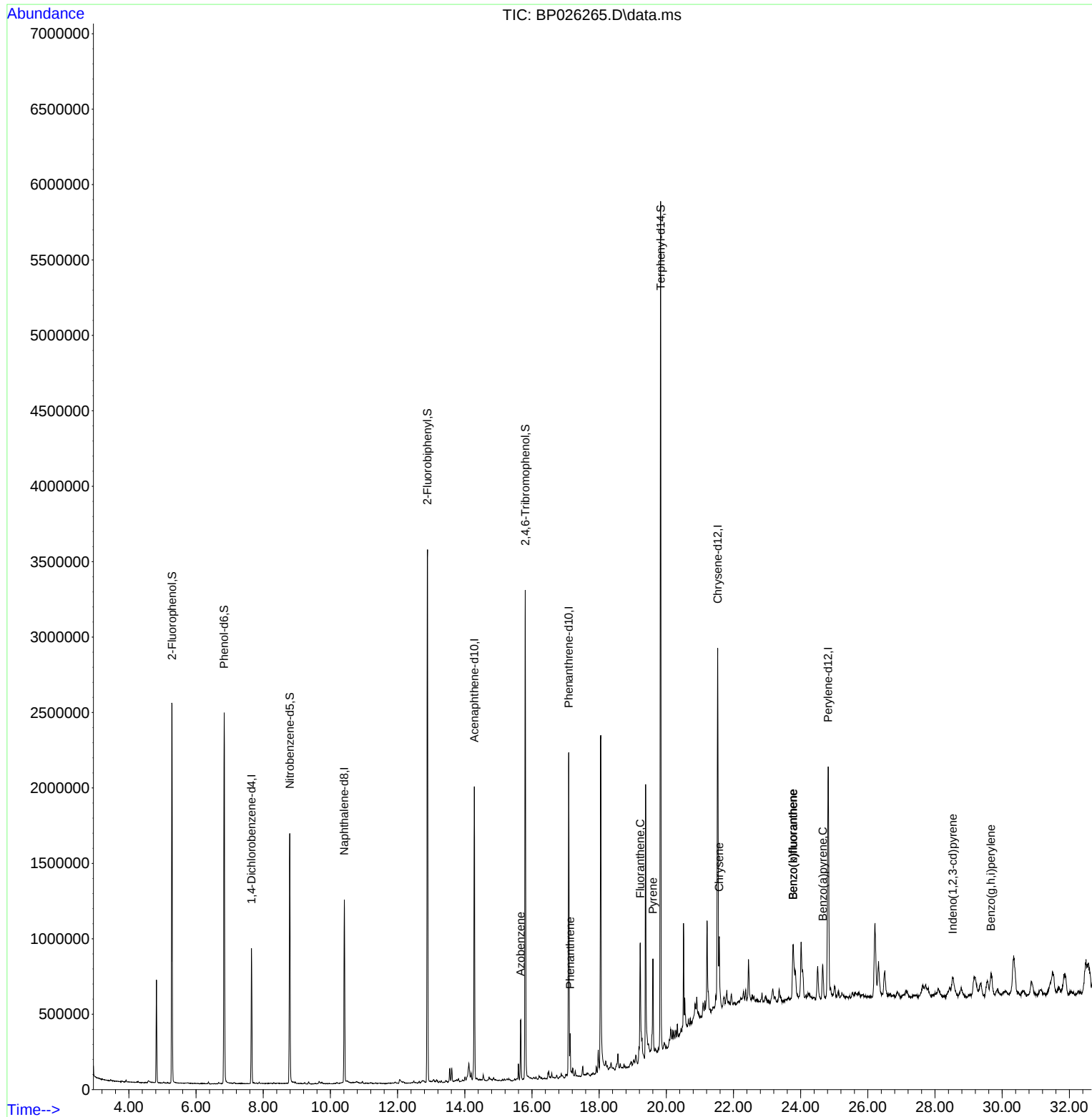
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.649	152	253846	20.000	ng	0.00
21) Naphthalene-d8	10.413	136	1046183	20.000	ng	0.00
39) Acenaphthene-d10	14.284	164	672346	20.000	ng	0.00
64) Phenanthrene-d10	17.095	188	1320839	20.000	ng	0.00
76) Chrysene-d12	21.530	240	1415444	20.000	ng	0.00
86) Perylene-d12	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
63) Azobenzene	15.660	77	122151	2.891	ng	# 1
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
89) Benzo(k)fluoranthene	23.777	252	482652	4.992	ng	# 95
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

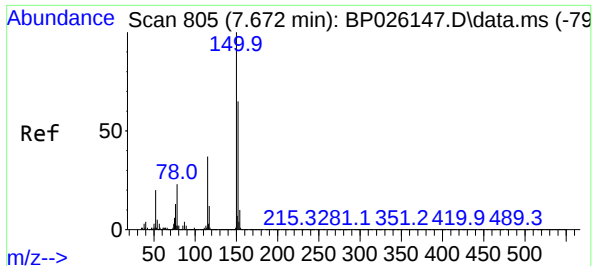
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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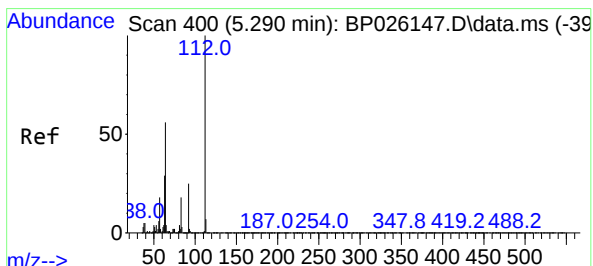
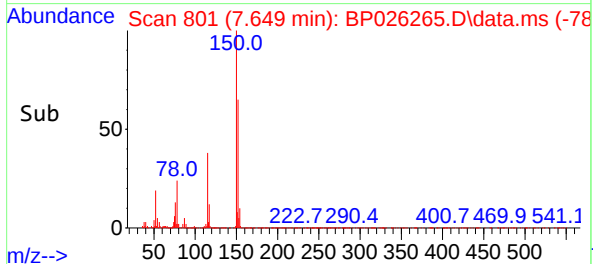
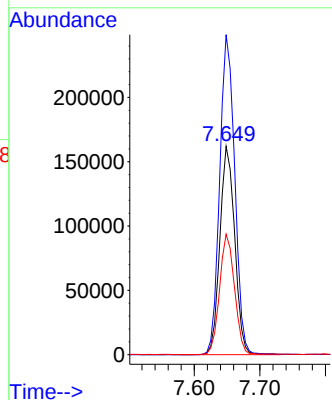
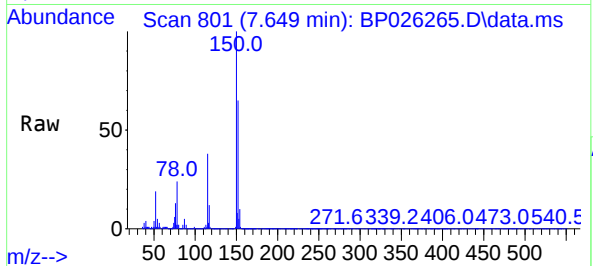




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.649 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP026265.D
Acq: 09 Dec 2025 17:39

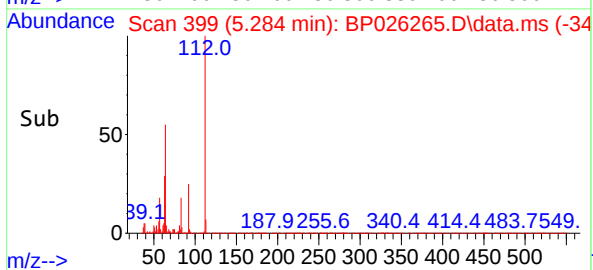
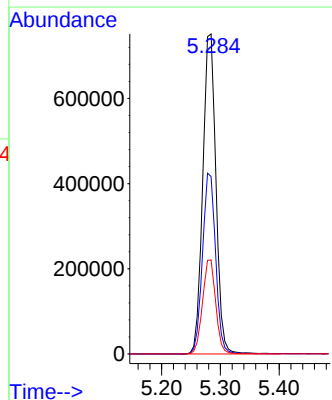
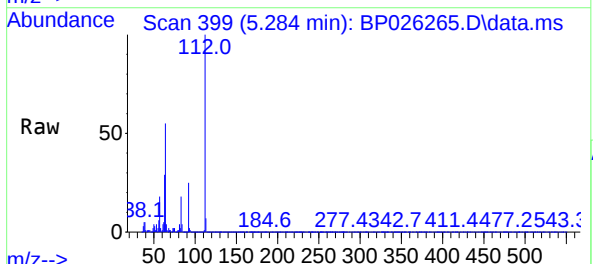
Instrument :
BNA_P
ClientSampleId :
SOIL#1

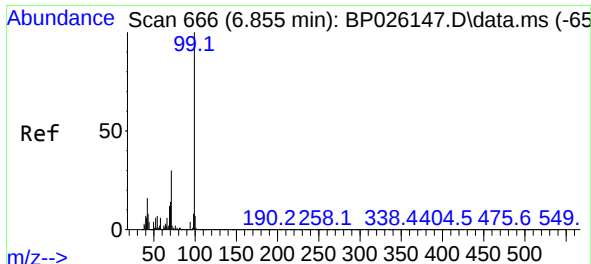
Tgt Ion:152 Resp: 253846
Ion Ratio Lower Upper
152 100
150 153.6 123.0 184.6
115 57.8 46.3 69.5



#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

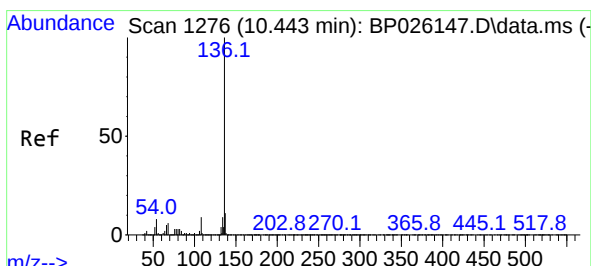
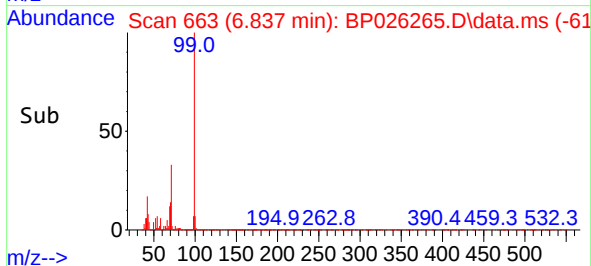
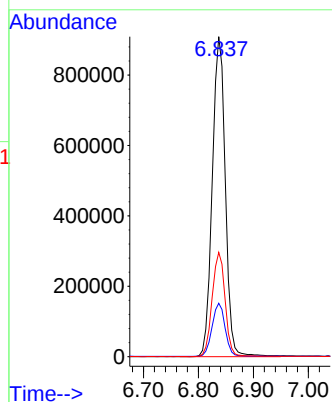
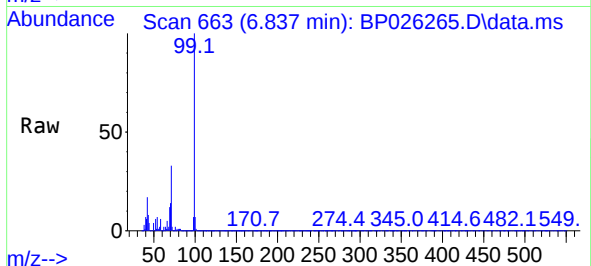




#7
Phenol-d6
Concen: 75.181 ng
RT: 6.837 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP026265.D
Acq: 09 Dec 2025 17:39

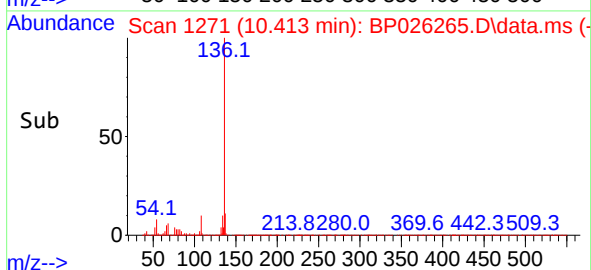
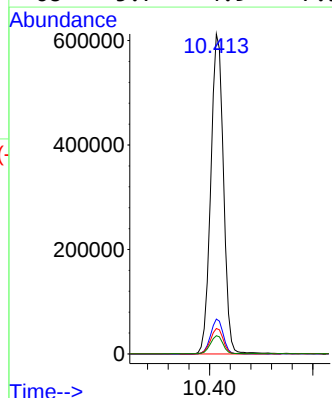
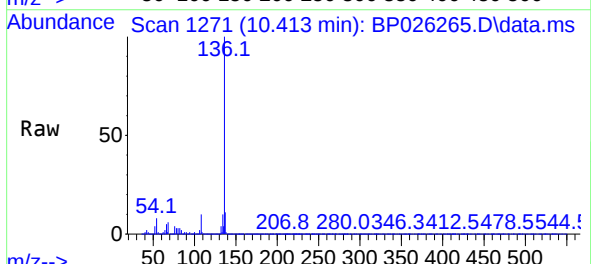
Instrument :
BNA_P
ClientSampleId :
SOIL#1

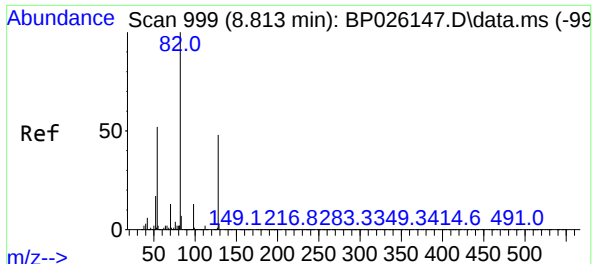
Tgt Ion: 99 Resp: 1498411
Ion Ratio Lower Upper
99 100
42 16.7 12.9 19.3
71 32.6 24.8 37.2



#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

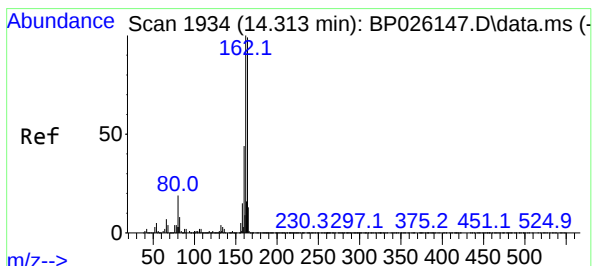
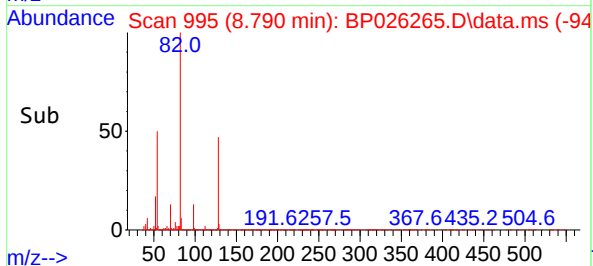
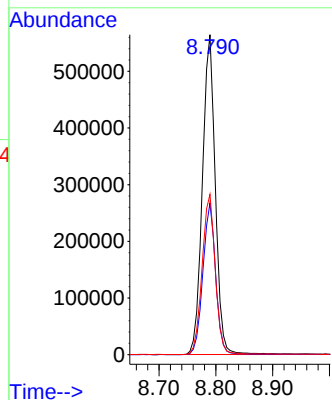
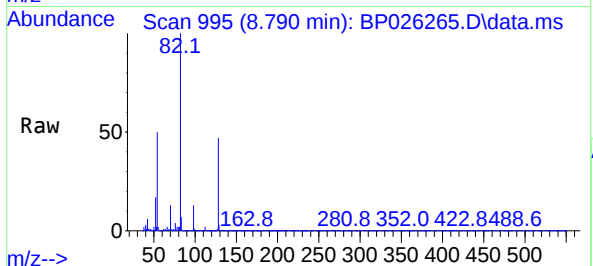




#23
Nitrobenzene-d5
Concen: 48.617 ng
RT: 8.790 min Scan# 999
Delta R.T. -0.000 min
Lab File: BP026265.D
Acq: 09 Dec 2025 17:39

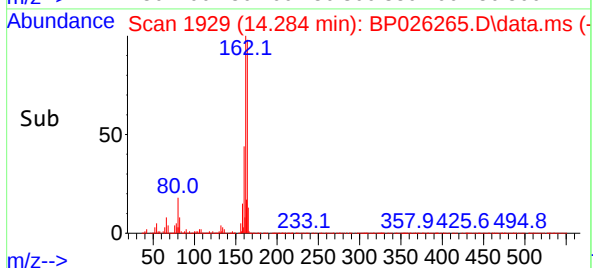
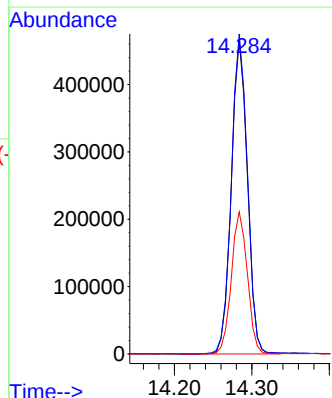
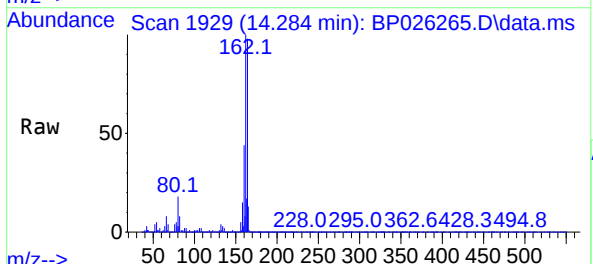
Instrument :
BNA_P
ClientSampleId :
SOIL#1

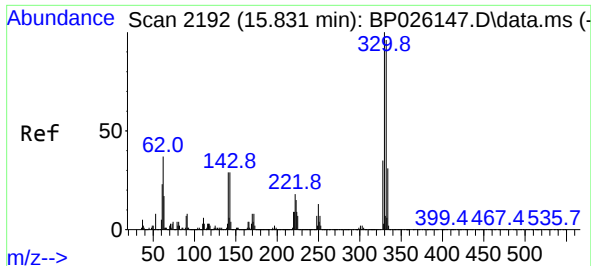
Tgt Ion: 82 Resp: 893564
Ion Ratio Lower Upper
82 100
128 47.4 37.4 56.0
54 50.1 41.6 62.4



#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

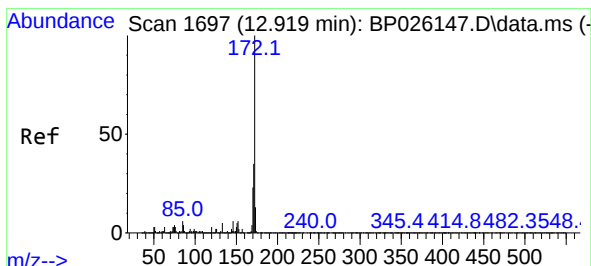
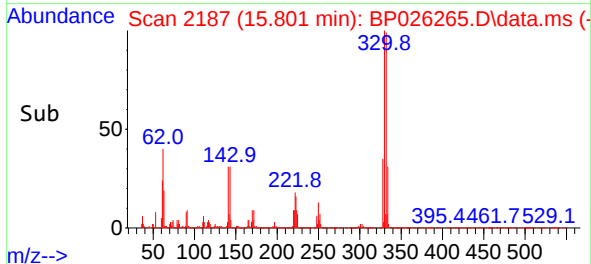
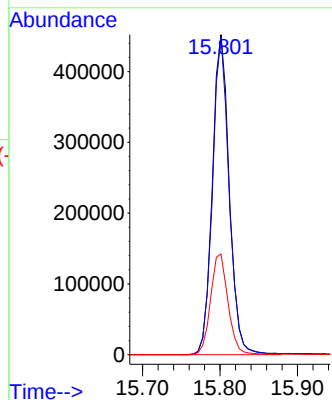
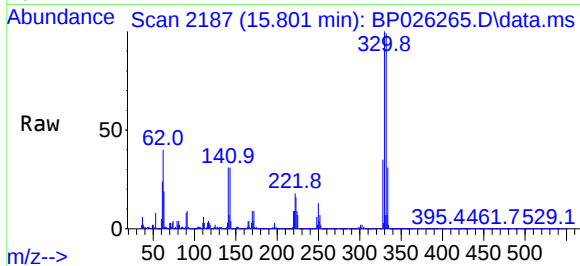




#42
2,4,6-Tribromophenol
Concen: 78.415 ng
RT: 15.801 min Scan# 2192
Delta R.T. -0.006 min
Lab File: BP026265.D
Acq: 09 Dec 2025 17:39

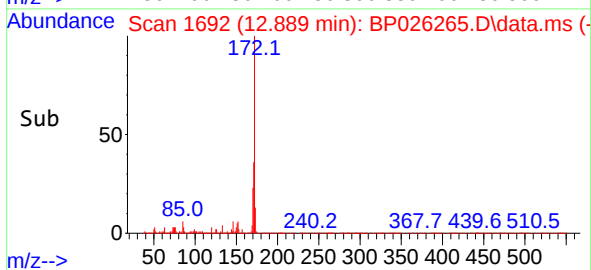
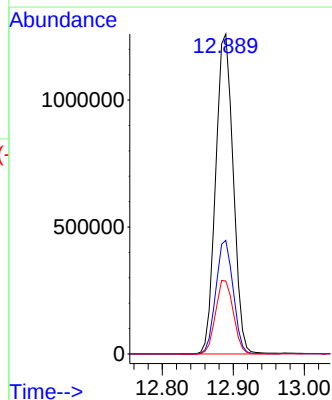
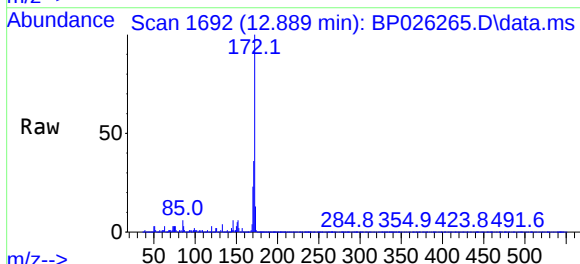
Instrument :
BNA_P
ClientSampleId :
SOIL#1

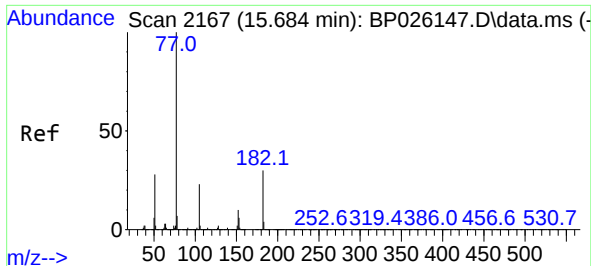
Tgt Ion:	330	Resp:	685631
Ion Ratio	Lower	Upper	
330	100		
332	97.2	78.0	117.0
141	32.5	26.8	40.2



#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

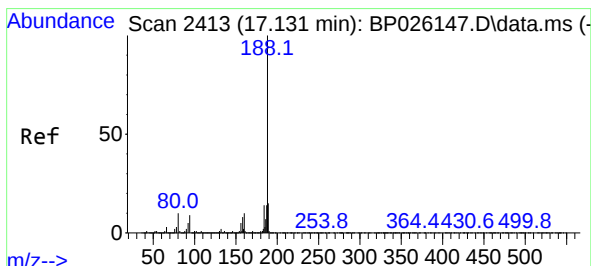
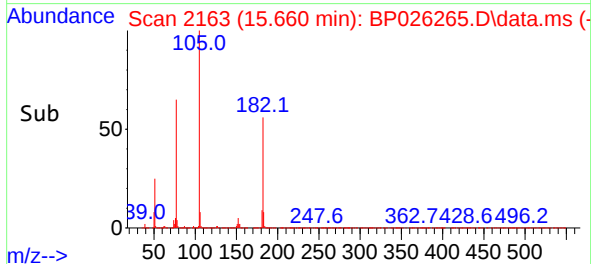
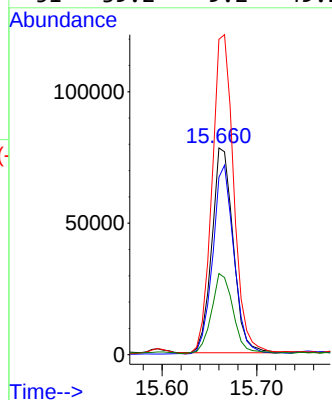
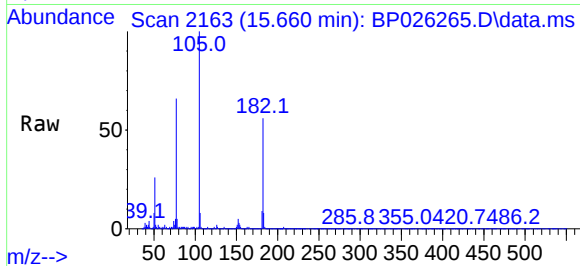




#63
Azobenzene
Concen: 2.891 ng
RT: 15.660 min Scan# 2163
Delta R.T. 0.006 min
Lab File: BP026265.D
Acq: 09 Dec 2025 17:39

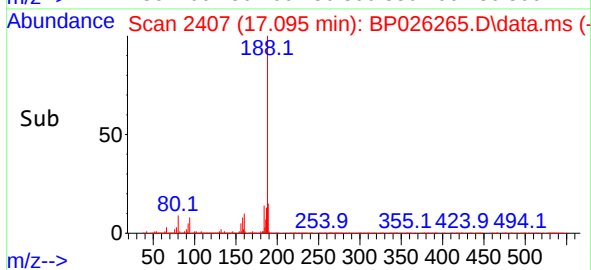
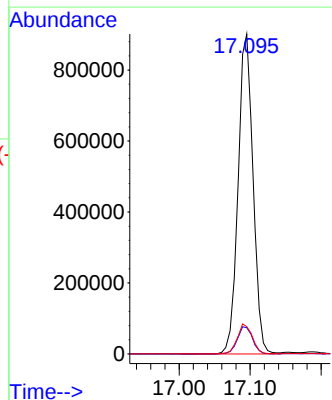
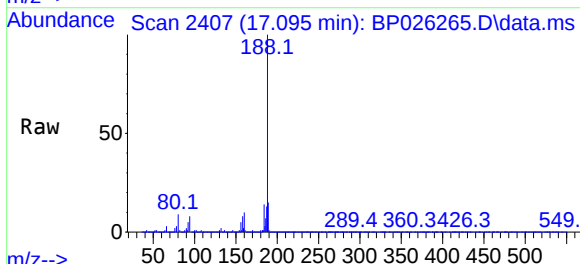
Instrument :
BNA_P
ClientSampleId :
SOIL#1

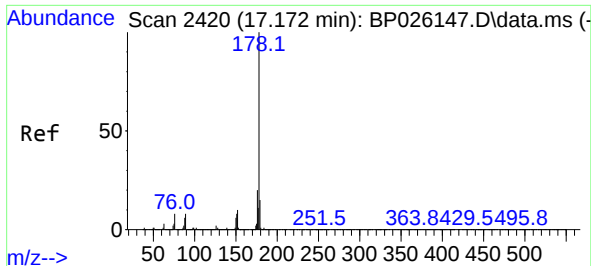
Tgt Ion: 77 Resp: 122151
Ion Ratio Lower Upper
77 100
182 85.8 8.8 48.8#
105 152.5 2.6 42.6#
51 39.2 9.2 49.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.095 min Scan# 2407
Delta R.T. -0.000 min
Lab File: BP026265.D
Acq: 09 Dec 2025 17:39

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

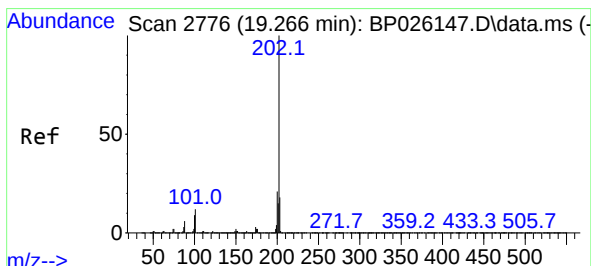
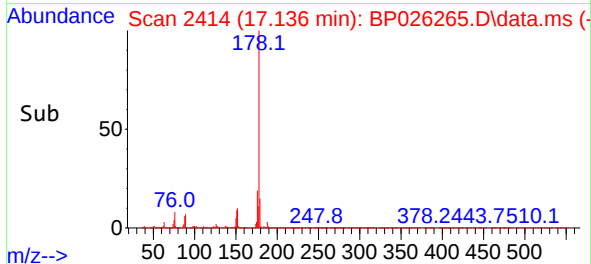
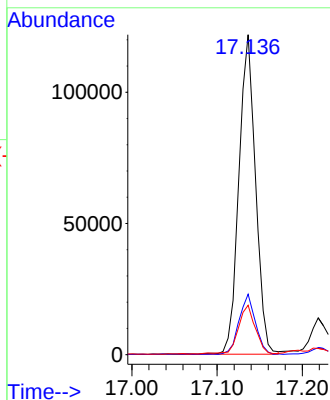
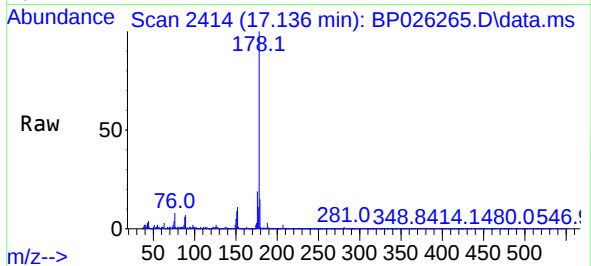




#71
Phenanthrene
Concen: 2.223 ng
RT: 17.136 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP026265.D
Acq: 09 Dec 2025 17:39

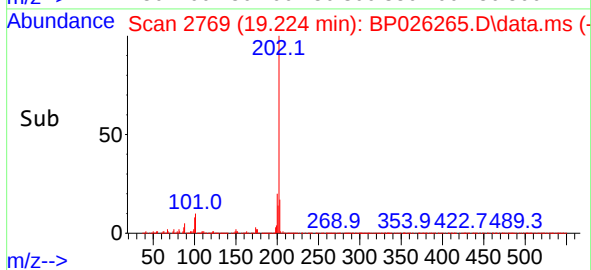
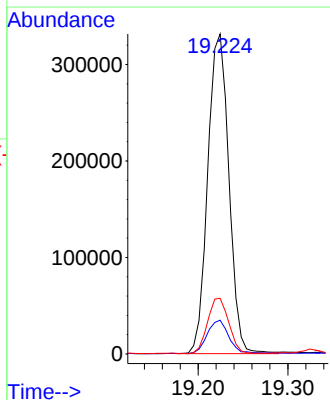
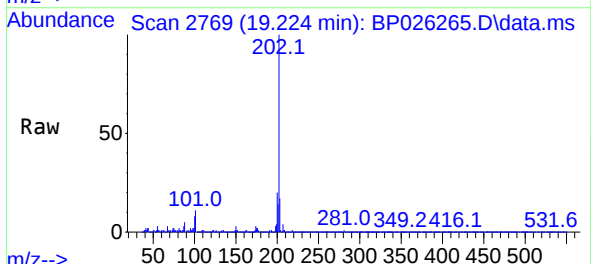
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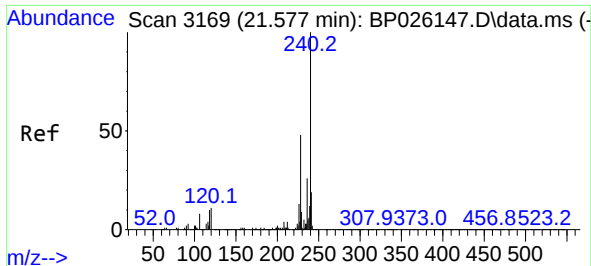
Tgt Ion:178 Resp: 165507
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 15.4 12.4 18.6



#75
Fluoranthene
Concen: 5.974 ng
RT: 19.224 min Scan# 2769
Delta R.T. -0.012 min
Lab File: BP026265.D
Acq: 09 Dec 2025 17:39

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

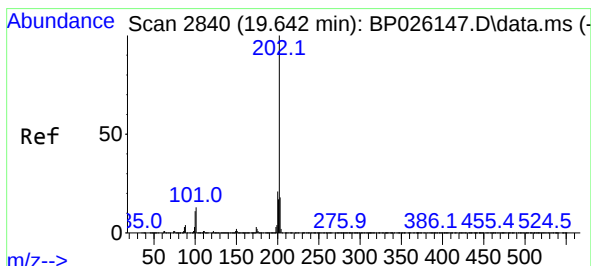
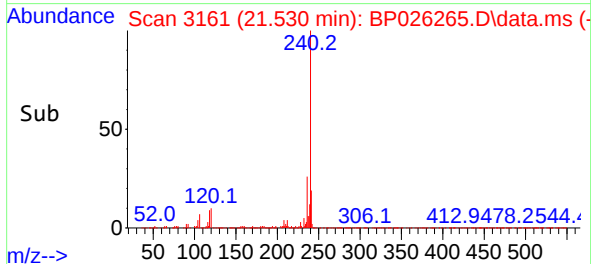
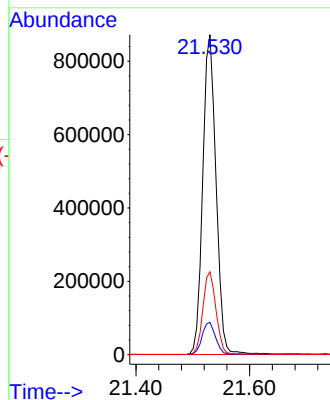
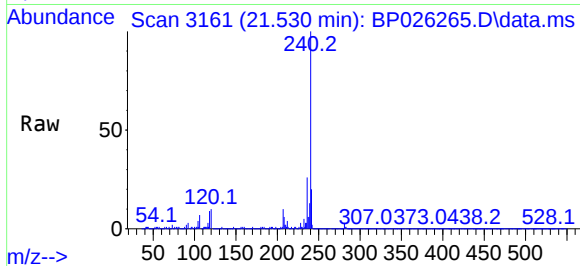




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.530 min Scan# 3161
Delta R.T. -0.006 min
Lab File: BP026265.D
Acq: 09 Dec 2025 17:39

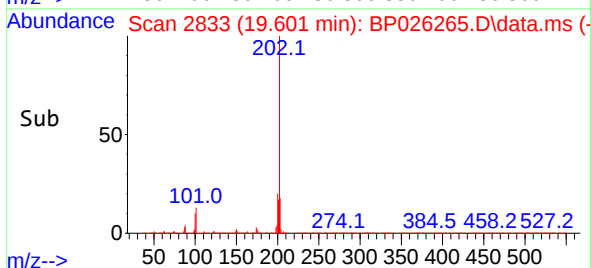
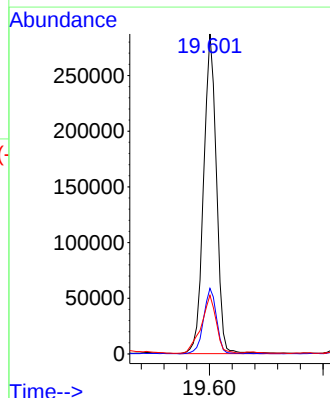
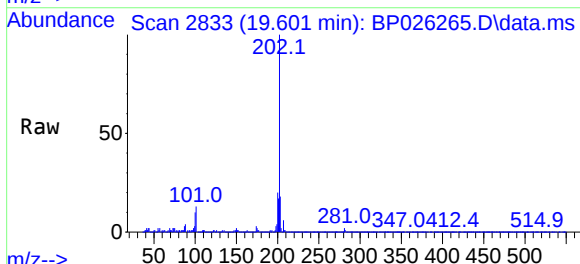
Instrument :
BNA_P
ClientSampleId :
SOIL#1

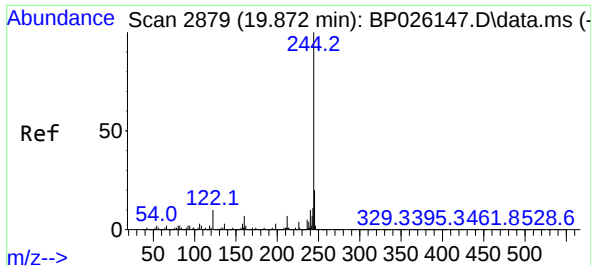
Tgt Ion:240 Resp: 1415444
Ion Ratio Lower Upper
240 100
120 10.1 9.0 13.4
236 25.9 20.4 30.6



#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

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

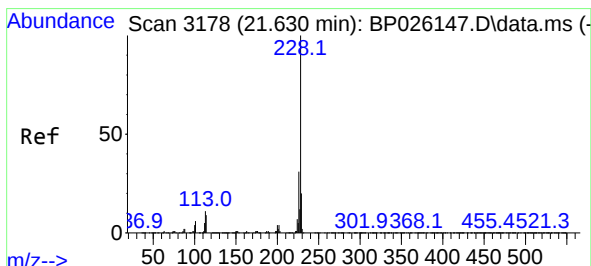
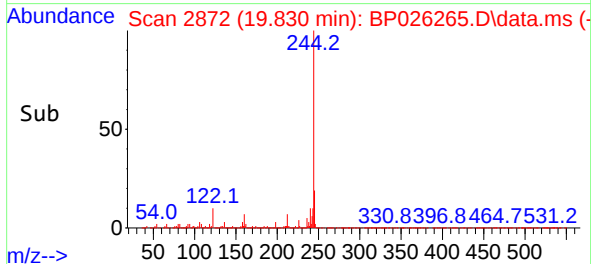
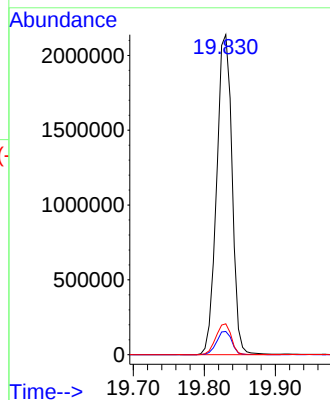
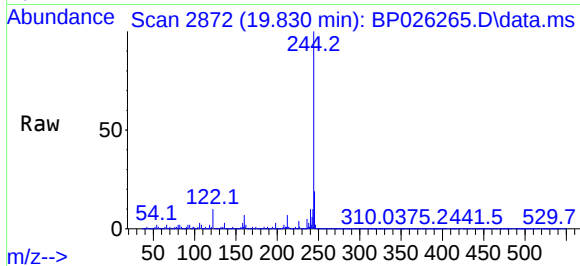




#79
Terphenyl-d14
Concen: 46.243 ng
RT: 19.830 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP026265.D
Acq: 09 Dec 2025 17:39

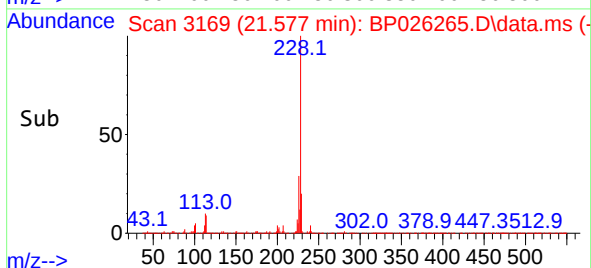
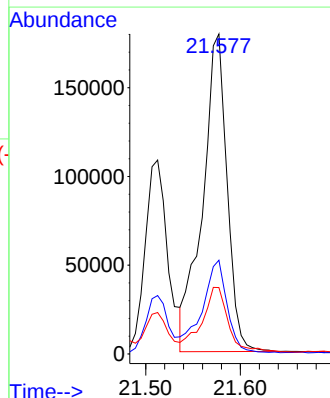
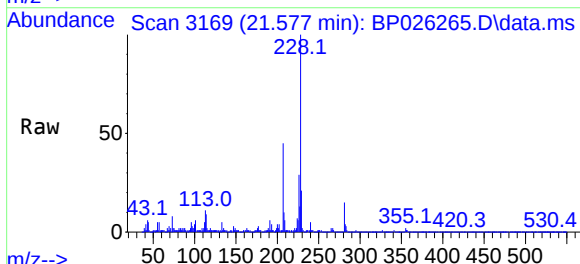
Instrument :
BNA_P
ClientSampleId :
SOIL#1

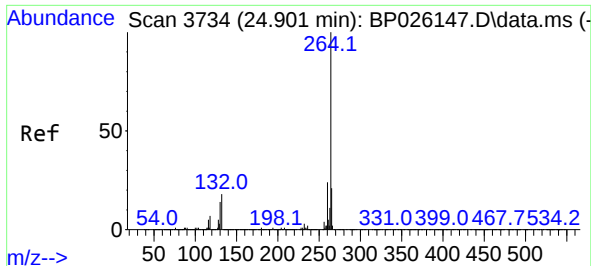
Tgt Ion:244 Resp: 3202415
Ion Ratio Lower Upper
244 100
212 7.3 5.8 8.8
122 9.7 8.2 12.2



#83
Chrysene
Concen: 3.507 ng
RT: 21.577 min Scan# 3169
Delta R.T. -0.006 min
Lab File: BP026265.D
Acq: 09 Dec 2025 17:39

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



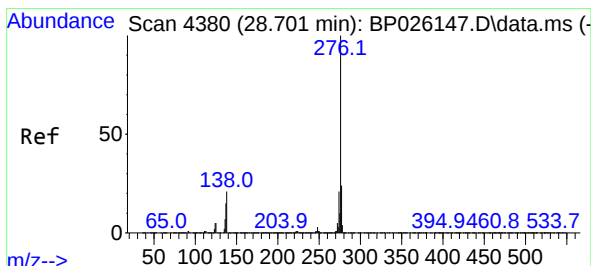
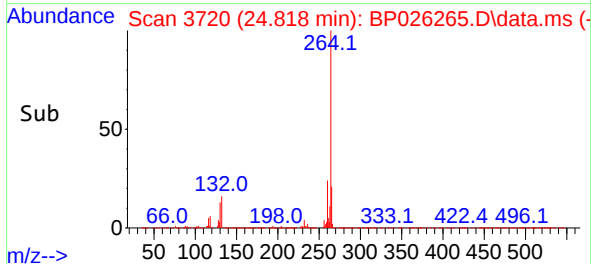
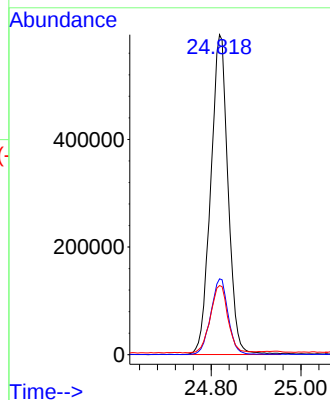
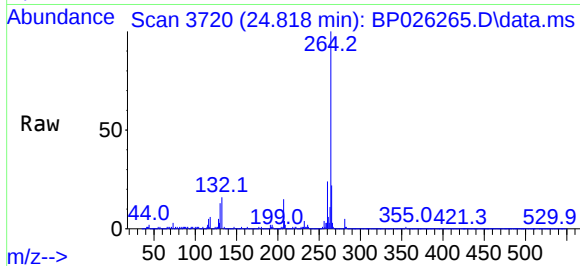


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.818 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP026265.D
Acq: 09 Dec 2025 17:39

Instrument :
BNA_P
ClientSampleId :
SOIL#1

Tgt Ion:264 Resp: 1590353

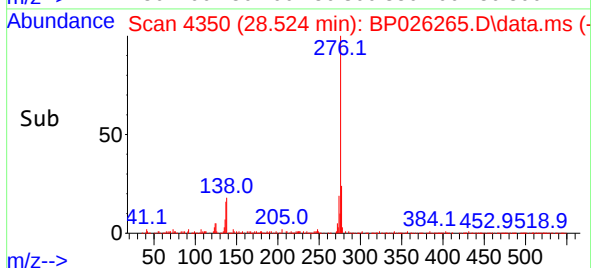
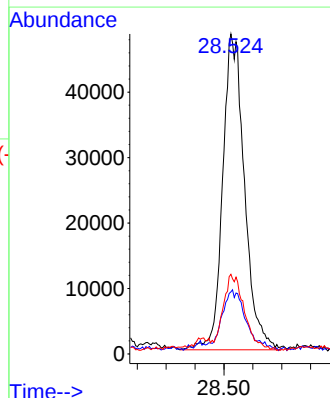
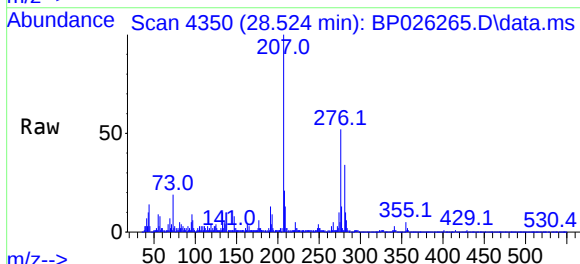
Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.7	28.1
265	21.6	17.5	26.3

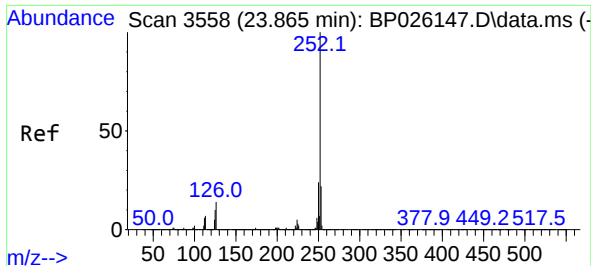


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.108 ng
RT: 28.524 min Scan# 4350
Delta R.T. -0.059 min
Lab File: BP026265.D
Acq: 09 Dec 2025 17:39

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

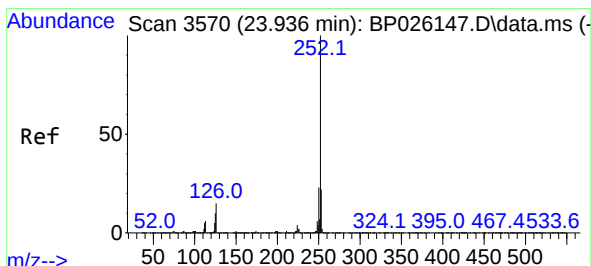
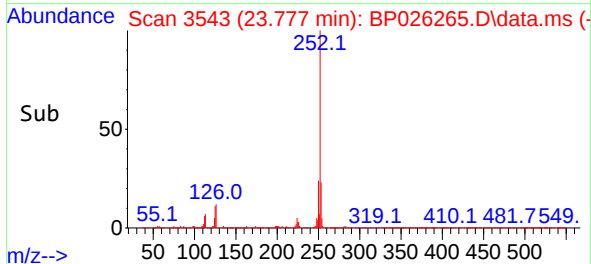
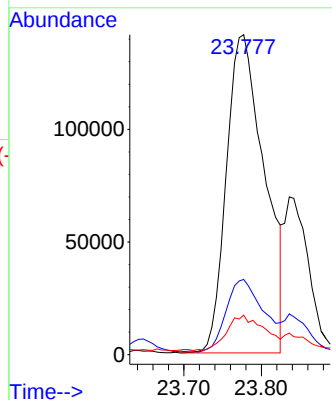
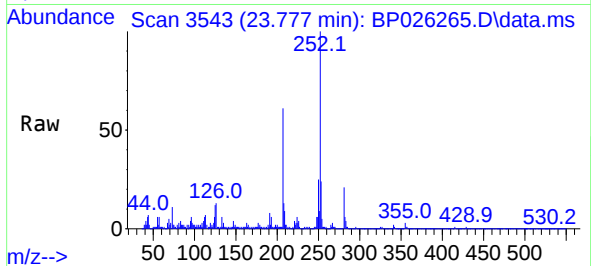




#88
Benzo(b)fluoranthene
Concen: 4.994 ng
RT: 23.777 min Scan# 3543
Delta R.T. -0.018 min
Lab File: BP026265.D
Acq: 09 Dec 2025 17:39

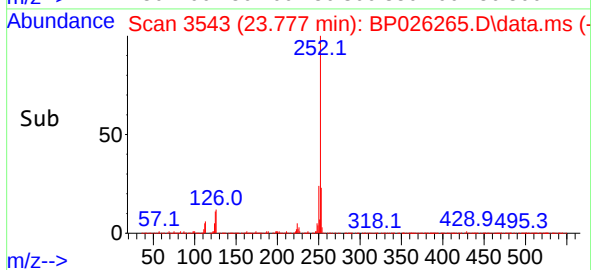
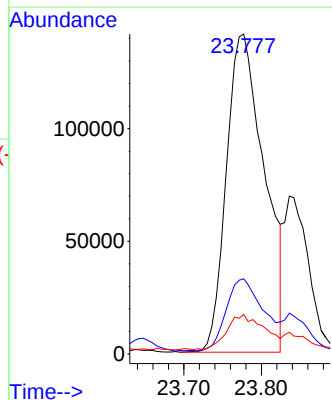
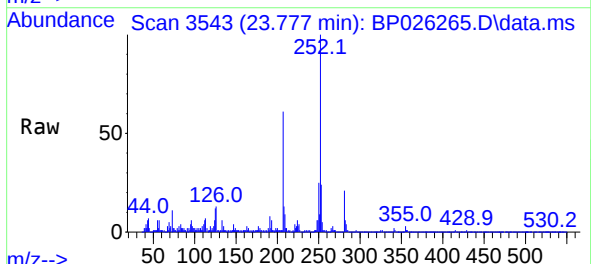
Instrument :
BNA_P
ClientSampleId :
SOIL#1

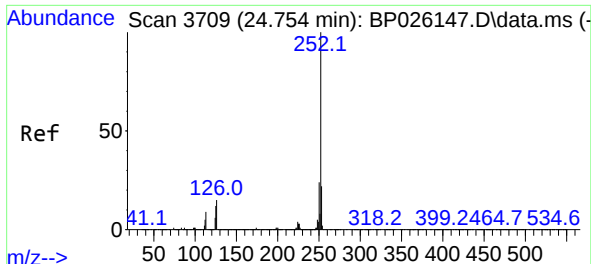
Tgt Ion:252 Resp: 482652
Ion Ratio Lower Upper
252 100
253 23.5 17.6 26.4
125 12.3 8.2 12.4



#89
Benzo(k)fluoranthene
Concen: 4.992 ng
RT: 23.777 min Scan# 3543
Delta R.T. -0.088 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 7.5 11.3#

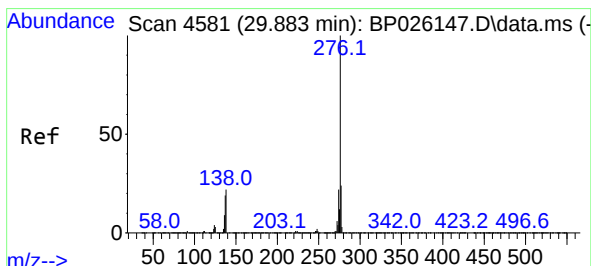
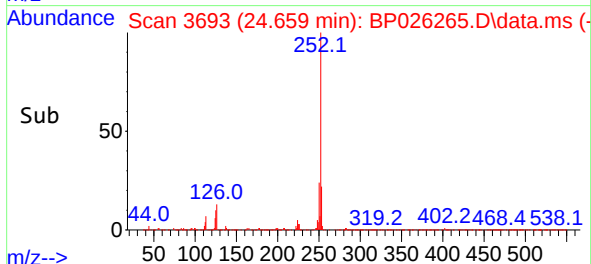
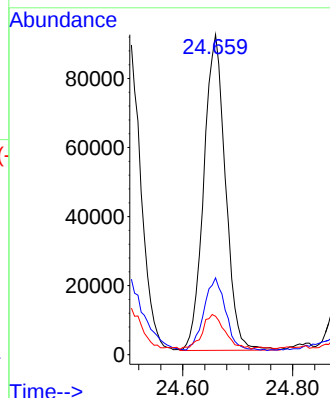
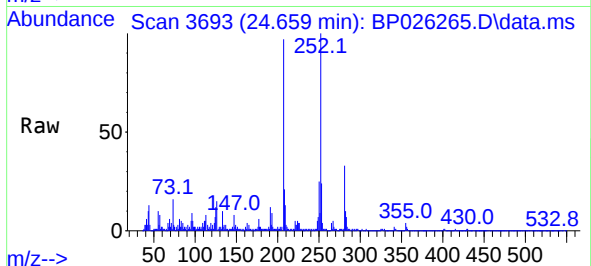




#90
Benzo(a)pyrene
Concen: 2.727 ng
RT: 24.659 min Scan# 30
Delta R.T. -0.024 min
Lab File: BP026265.D
Acq: 09 Dec 2025 17:39

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

