

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112725\
 Data File : BP026192.D
 Acq On : 26 Nov 2025 15:48
 Operator : RC/JU
 Sample : Q3483-11
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 HW1025-PT-BNA-SOIL

Quant Time: Nov 26 16:09:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 19 01:25:31 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.661	152	262012	20.000	ng	-0.01
21) Naphthalene-d8	10.425	136	1065583	20.000	ng	-0.02
39) Acenaphthene-d10	14.296	164	680012	20.000	ng	-0.03
64) Phenanthrene-d10	17.095	188	1380494	20.000	ng	-0.04
76) Chrysene-d12	21.548	240	1439545	20.000	ng	-0.02
86) Perylene-d12	24.848	264	1659681	20.000	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.284	112	1338639	82.005	ng	0.00
7) Phenol-d6	6.843	99	1794648	86.358	ng	-0.01
23) Nitrobenzene-d5	8.796	82	1072185	57.154	ng	-0.02
42) 2,4,6-Tribromophenol	15.807	330	1126409	127.690	ng	-0.03
45) 2-Fluorobiphenyl	12.901	172	3164515	68.203	ng	-0.03
79) Terphenyl-d14	19.836	244	6189061	87.665	ng	-0.04
Target Compounds						
						Qvalue
6) Aniline	7.096	93	2749597	100.209	ng	# 55
10) Phenol	6.867	94	731120	32.658	ng	98
11) bis(2-Chloroethyl)ether	7.096	93	2749597	156.861	ng	96
12) 1,3-Dichlorobenzene	7.555	146	2788782	139.313	ng	100
13) 1,4-Dichlorobenzene	7.696	146	2014778	99.883	ng	99
14) 1,2-Dichlorobenzene	8.008	146	1176569	60.743	ng	99
18) Hexachloroethane	8.731	117	387135	52.747	ng	97
19) n-Nitroso-di-n-propyla...	8.461	70	2072572	160.536	ng	98
25) Isophorone	9.366	82	2137347	57.471	ng	98
26) 2-Nitrophenol	9.366	139	42756	4.453	ng	# 63
30) 1,2,4-Trichlorobenzene	10.290	180	2275838	129.148	ng	99
31) Naphthalene	10.472	128	6541666	113.592	ng	99
33) 4-Chloroaniline	10.472	127	866450	35.379	ng	# 33
34) Hexachlorobutadiene	10.766	225	1676388	146.270	ng	98
36) 4-Chloro-3-methylphenol	11.707	107	1470302	79.938	ng	98
37) 2-Methylnaphthalene	12.090	142	5535790	135.592	ng	99
38) 1-Methylnaphthalene	12.090	142	5535790	138.723	ng	97
43) 2,4,6-Trichlorophenol	12.701	196	1889585	134.047	ng	99
44) 2,4,5-Trichlorophenol	12.772	196	2221068	141.154	ng	99
49) Acenaphthylene	14.007	152	4496164	67.697	ng	100
50) Dimethylphthalate	13.743	163	6878641	135.434	ng	99
51) 2,6-Dinitrotoluene	13.743	165	77031	7.654	ng	# 18
52) Acenaphthene	14.354	154	3964602	101.860	ng	100
55) Dibenzofuran	14.695	168	5638950	93.539	ng	99
56) 4-Nitrophenol	14.513	139	1155473	107.792	ng	96
57) 2,4-Dinitrotoluene	14.660	165	1399230	93.116	ng	95
58) Fluorene	15.360	166	7099767	149.000	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.931	232	1488896	111.537	ng	98
60) Diethylphthalate	15.143	149	8152713	159.345	ng	98
62) 4-Nitroaniline	15.360	138	82413	6.698	ng	# 23
63) Azobenzene	15.672	77	141206	3.273	ng	# 1
67) 4-Bromophenyl-phenylether	16.384	248	33972	2.222	ng	# 1
68) Hexachlorobenzene	16.384	284	2037914	114.874	ng	97
69) Atrazine	16.737	200	275978	17.138	ng	# 36
70) Pentachlorophenol	16.737	266	1453830	117.152	ng	99
71) Phenanthrene	17.237	178	5740990	73.824	ng	100

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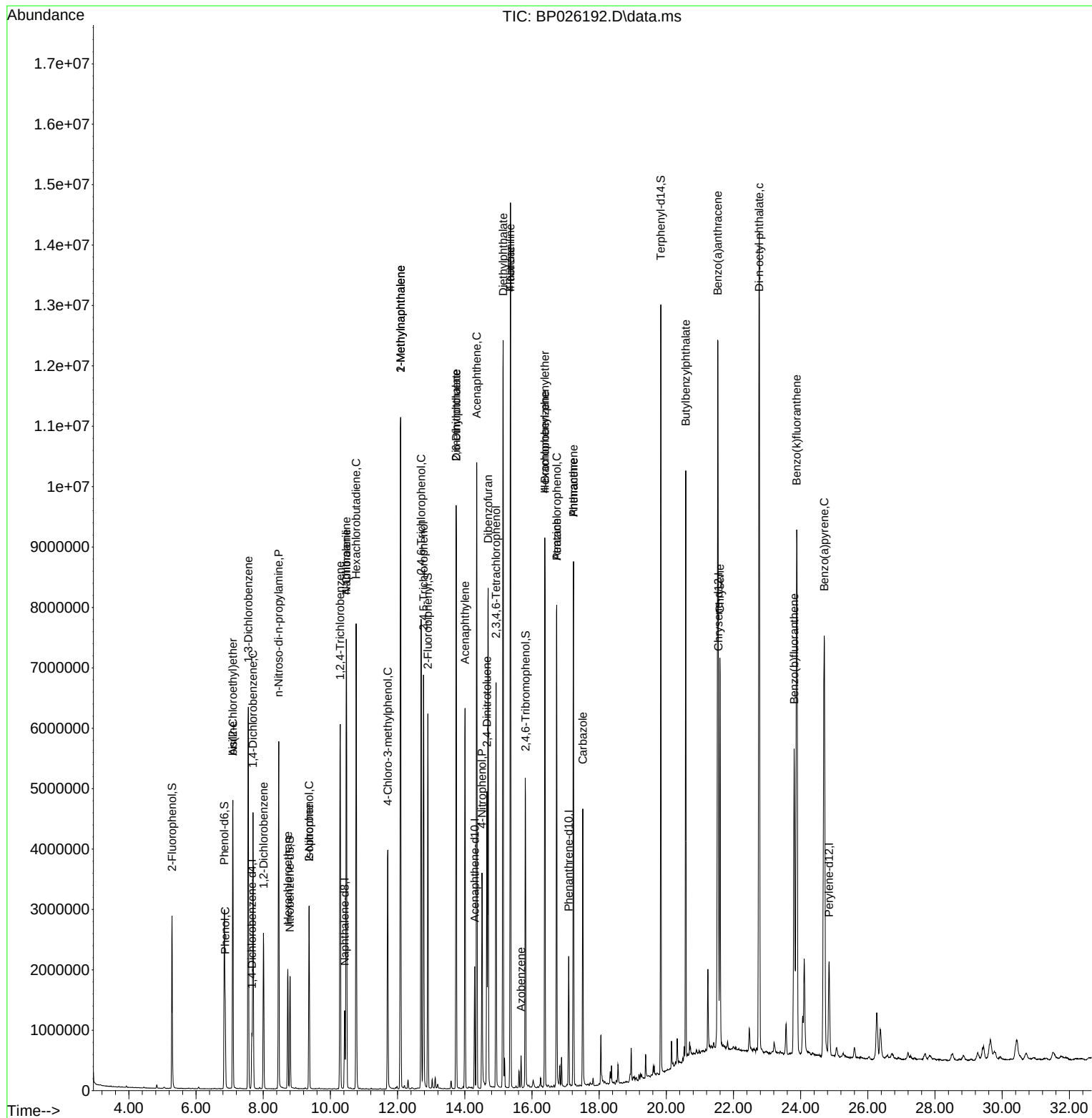
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) Anthracene	17.237	178	5740990	72.379	ng	99
73) Carbazole	17.513	167	3236298	42.959	ng	99
80) Butylbenzylphthalate	20.578	149	3376596	81.232	ng	97
81) Benzo(a)anthracene	21.530	228	8528177	86.260	ng	99
83) Chrysene	21.595	228	4021397	43.160	ng	100
85) Di-n-octyl phthalate	22.766	149	15588556	141.679	ng	97
88) Benzo(b)fluoranthene	23.807	252	5214320	51.590	ng	99
89) Benzo(k)fluoranthene	23.883	252	10066652	99.717	ng	99
90) Benzo(a)pyrene	24.701	252	9218090	96.284	ng	98

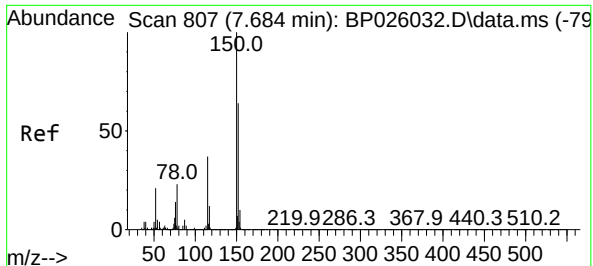
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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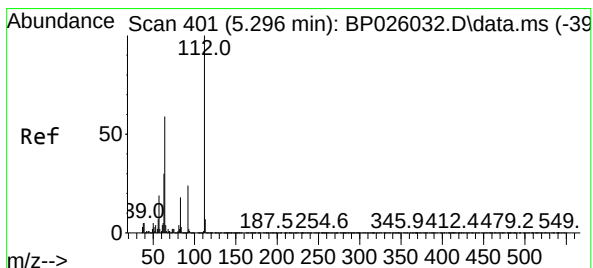
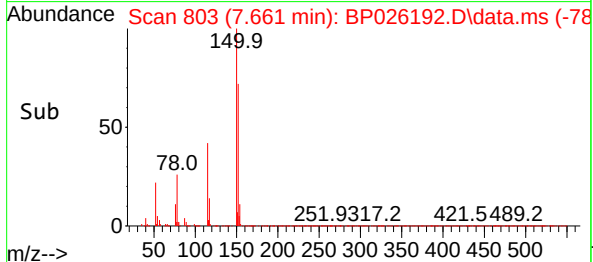
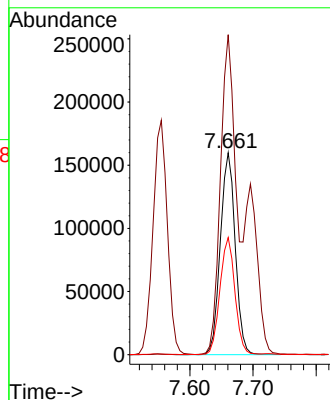
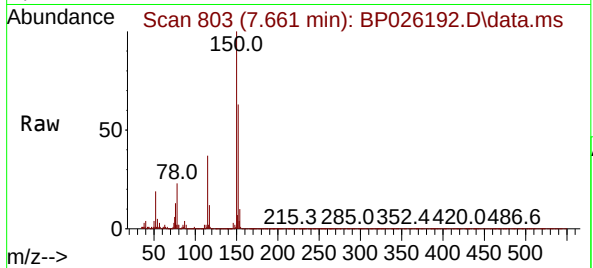




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.661 min Scan# 80
Delta R.T. -0.011 min
Lab File: BP026192.D
Acq: 26 Nov 2025 15:48

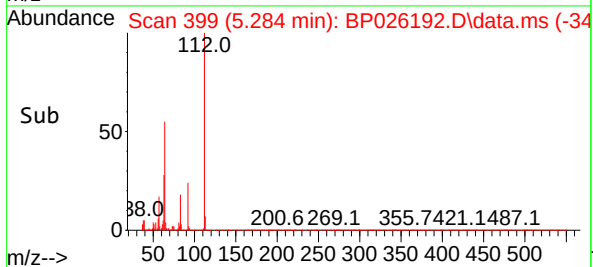
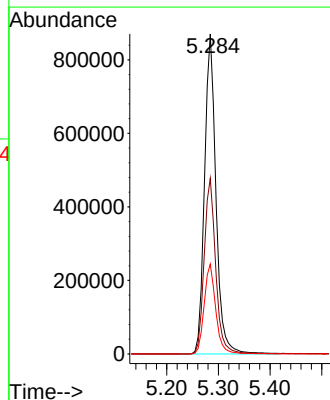
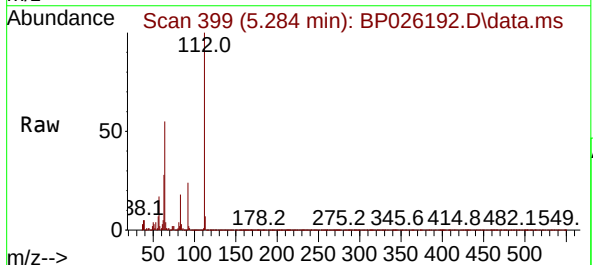
Instrument :
BNA_P
ClientSampleId :
HW1025-PT-BNA-SOIL

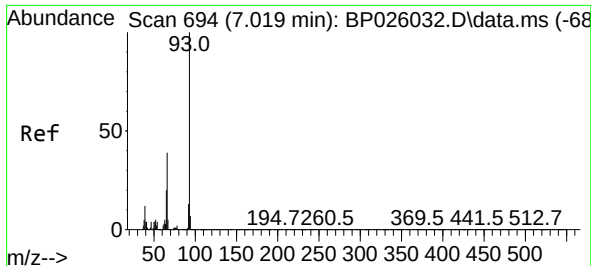
Tgt Ion:152 Resp: 262012
Ion Ratio Lower Upper
152 100
150 158.5 123.0 184.6
115 58.0 46.3 69.5



#5
2-Fluorophenol
Concen: 82.005 ng
RT: 5.284 min Scan# 399
Delta R.T. -0.006 min
Lab File: BP026192.D
Acq: 26 Nov 2025 15:48

Tgt Ion:112 Resp: 1338639
Ion Ratio Lower Upper
112 100
64 54.9 45.8 68.6
63 28.1 23.5 35.3

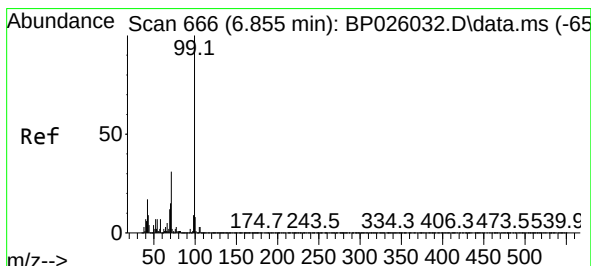
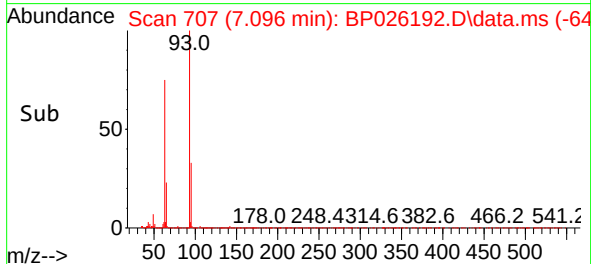
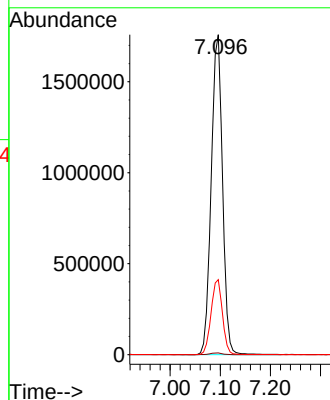
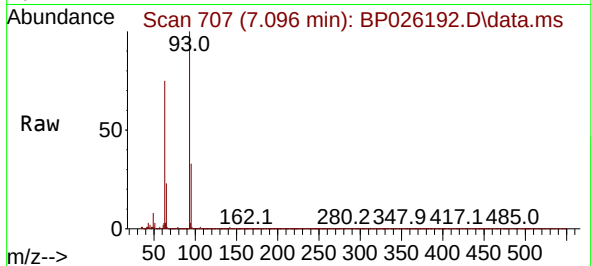




#6
Aniline
Concen: 100.209 ng
RT: 7.096 min Scan# 70
Delta R.T. 0.094 min
Lab File: BP026192.D
Acq: 26 Nov 2025 15:48

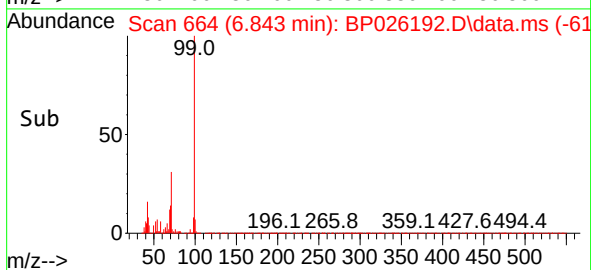
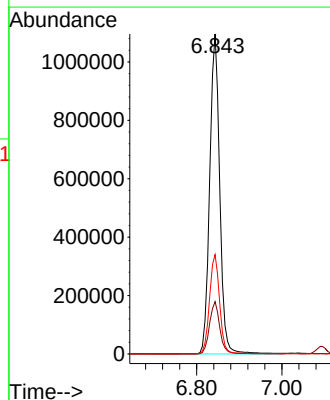
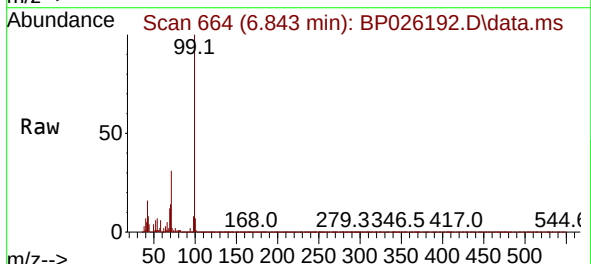
Instrument :
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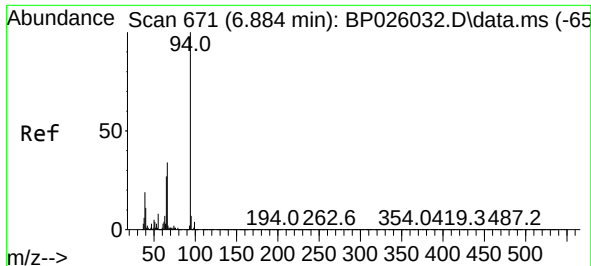
Tgt Ion: 93 Resp: 2749597
Ion Ratio Lower Upper
93 100
66 0.5 31.7 47.5#
65 23.5 15.8 23.6



#7
Phenol-d6
Concen: 86.358 ng
RT: 6.843 min Scan# 664
Delta R.T. -0.011 min
Lab File: BP026192.D
Acq: 26 Nov 2025 15:48

Tgt Ion: 99 Resp: 1794648
Ion Ratio Lower Upper
99 100
42 16.4 12.9 19.3
71 31.1 24.8 37.2

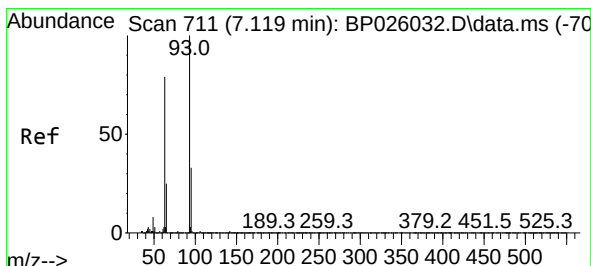
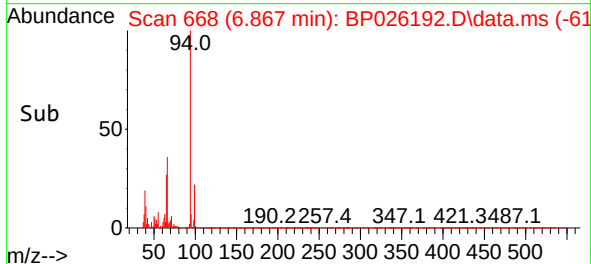
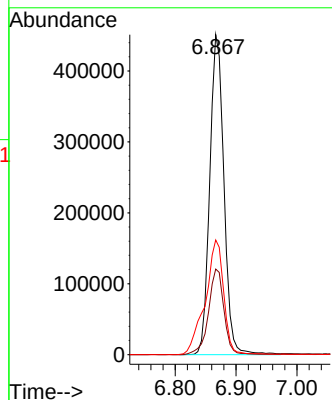
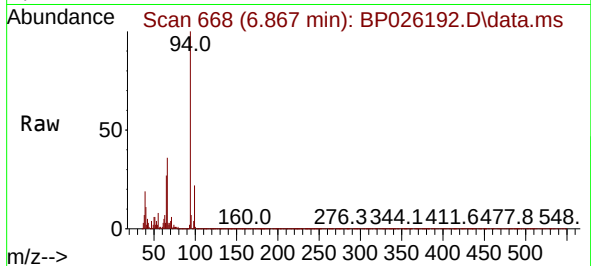




#10
Phenol
Concen: 32.658 ng
RT: 6.867 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP026192.D
Acq: 26 Nov 2025 15:48

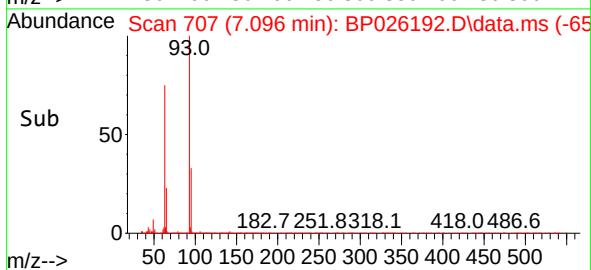
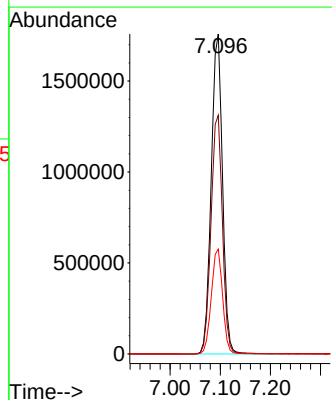
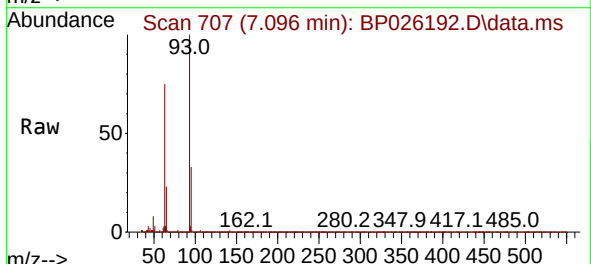
Instrument :
BNA_P
ClientSampleId :
HW1025-PT-BNA-SOIL

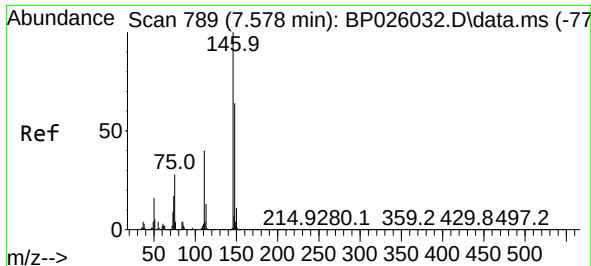
Tgt Ion: 94 Resp: 731120
Ion Ratio Lower Upper
94 100
65 26.7 7.0 47.0
66 35.9 14.5 54.5



#11
bis(2-Chloroethyl)ether
Concen: 156.861 ng
RT: 7.096 min Scan# 707
Delta R.T. 0.000 min
Lab File: BP026192.D
Acq: 26 Nov 2025 15:48

Tgt Ion: 93 Resp: 2749597
Ion Ratio Lower Upper
93 100
63 74.6 58.8 98.8
95 32.7 12.1 52.1





#12

1,3-Dichlorobenzene

Concen: 139.313 ng

RT: 7.555 min Scan# 71

Delta R.T. -0.011 min

Lab File: BP026192.D

Acq: 26 Nov 2025 15:48

Instrument :

BNA_P

ClientSampleId :

HW1025-PT-BNA-SOIL

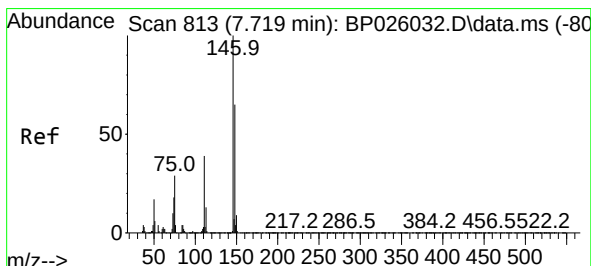
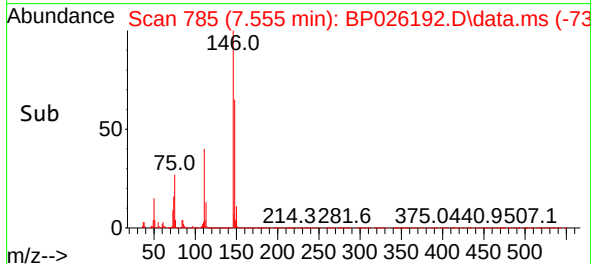
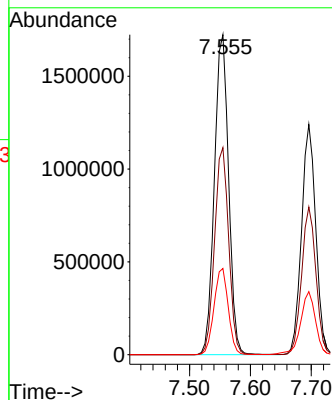
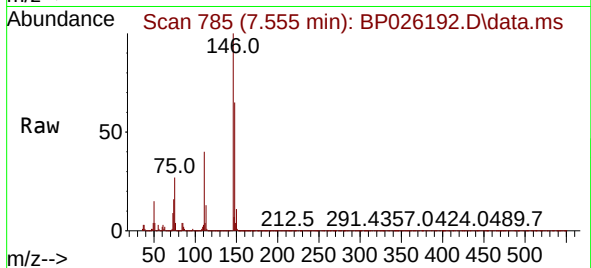
Tgt Ion:146 Resp: 2788782

Ion Ratio Lower Upper

146 100

148 64.7 51.8 77.8

75 27.0 22.2 33.2



#13

1,4-Dichlorobenzene

Concen: 99.883 ng

RT: 7.696 min Scan# 809

Delta R.T. -0.006 min

Lab File: BP026192.D

Acq: 26 Nov 2025 15:48

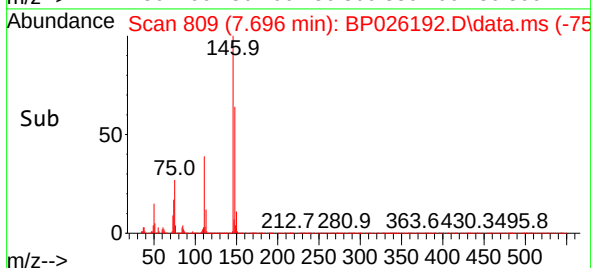
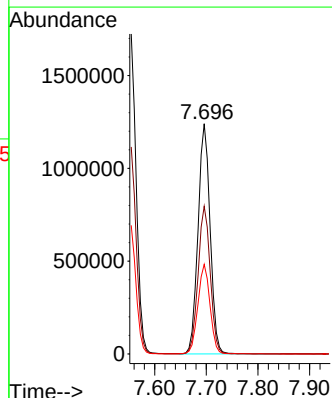
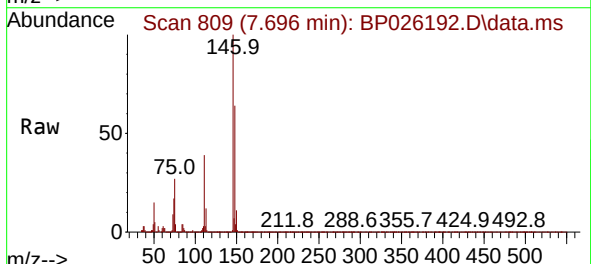
Tgt Ion:146 Resp: 2014778

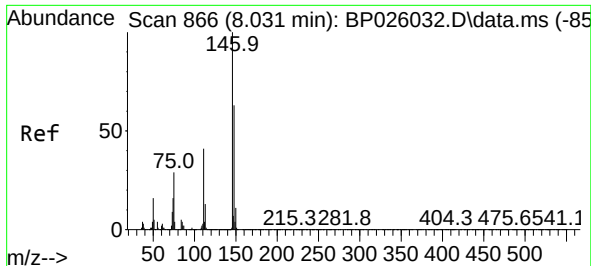
Ion Ratio Lower Upper

146 100

148 64.1 51.4 77.2

111 38.9 31.7 47.5

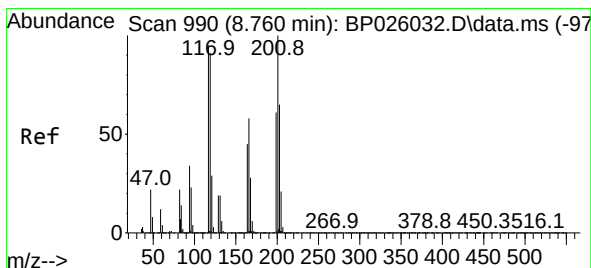
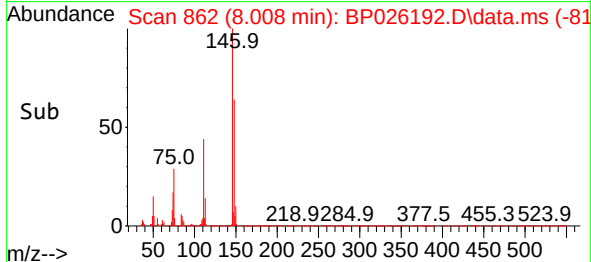
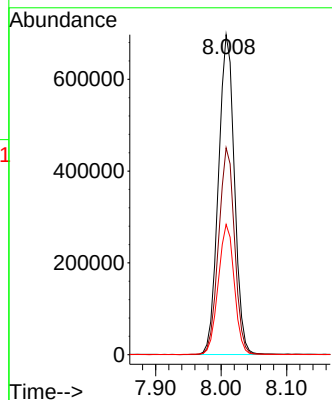
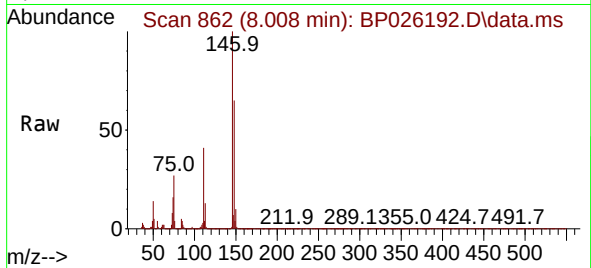




#14
1,2-Dichlorobenzene
Concen: 60.743 ng
RT: 8.008 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP026192.D
Acq: 26 Nov 2025 15:48

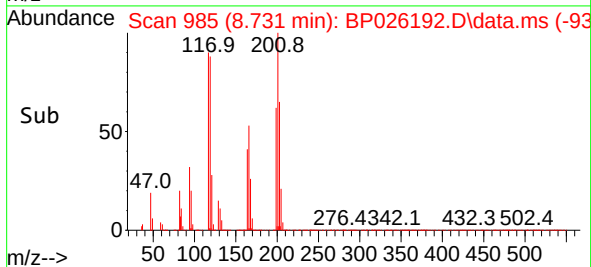
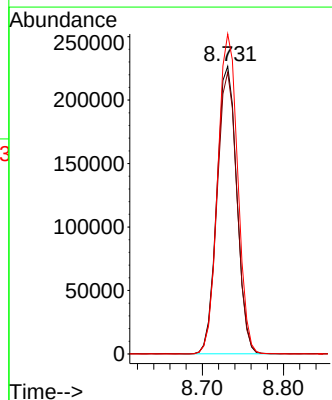
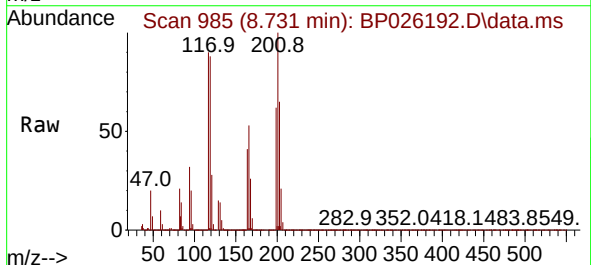
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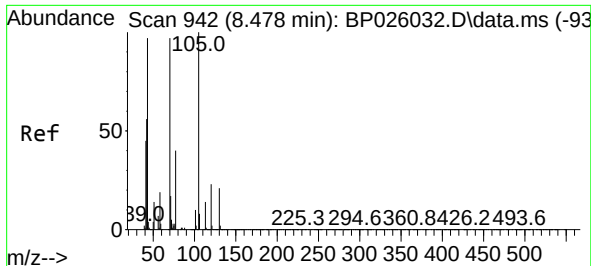
Tgt Ion:146 Resp: 1176569
Ion Ratio Lower Upper
146 100
148 64.6 51.0 76.6
111 40.7 33.0 49.4



#18
Hexachloroethane
Concen: 52.747 ng
RT: 8.731 min Scan# 985
Delta R.T. -0.011 min
Lab File: BP026192.D
Acq: 26 Nov 2025 15:48

Tgt Ion:117 Resp: 387135
Ion Ratio Lower Upper
117 100
119 97.9 78.7 118.1
201 111.2 85.1 127.7



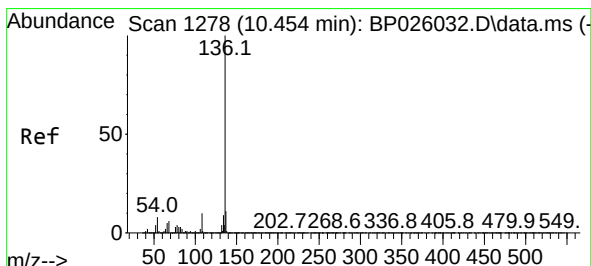
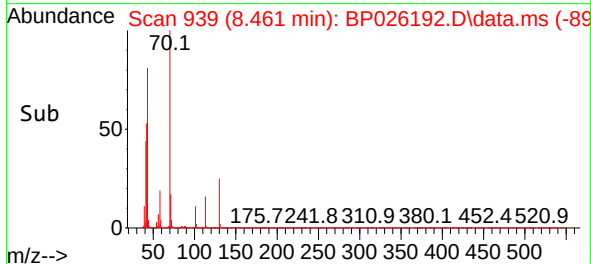
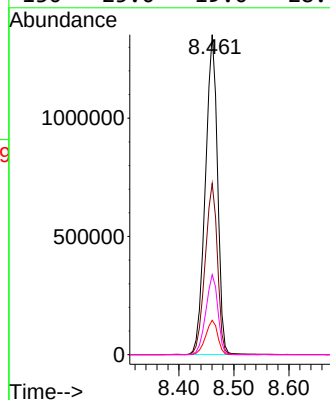
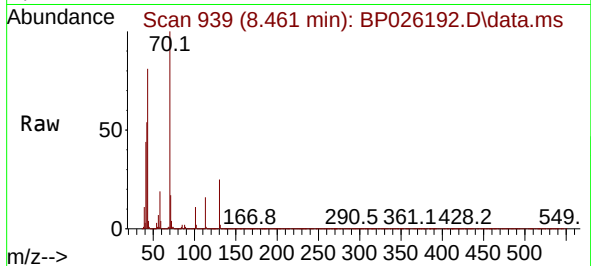


#19
n-Nitroso-di-n-propylamine
Concen: 160.536 ng
RT: 8.461 min Scan# 91
Delta R.T. -0.012 min
Lab File: BP026192.D
Acq: 26 Nov 2025 15:48

Instrument :
BNA_P
ClientSampleId :
HW1025-PT-BNA-SOIL

Tgt Ion: 70 Resp: 2072572

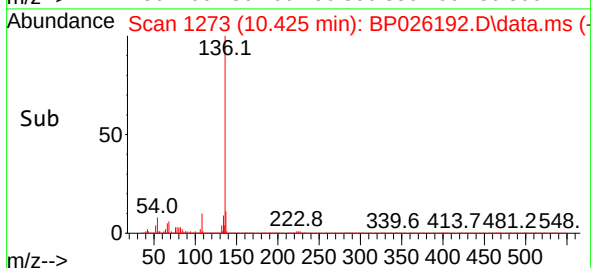
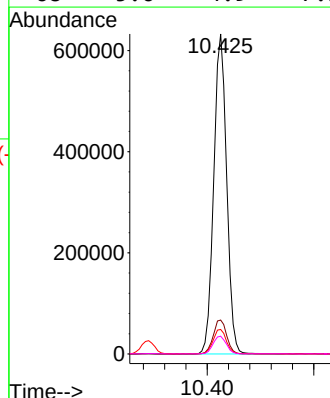
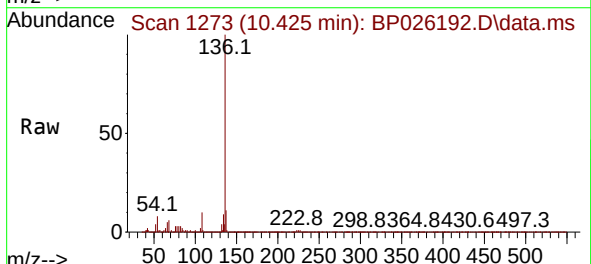
Ion	Ratio	Lower	Upper
70	100		
42	53.5	44.1	66.1
101	10.8	8.2	12.4
130	25.0	19.0	28.4

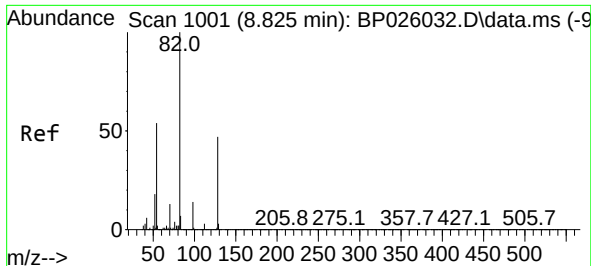


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.425 min Scan# 1273
Delta R.T. -0.023 min
Lab File: BP026192.D
Acq: 26 Nov 2025 15:48

Tgt Ion:136 Resp: 1065583

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.7	13.1
54	7.6	6.4	9.6
68	5.6	4.9	7.3

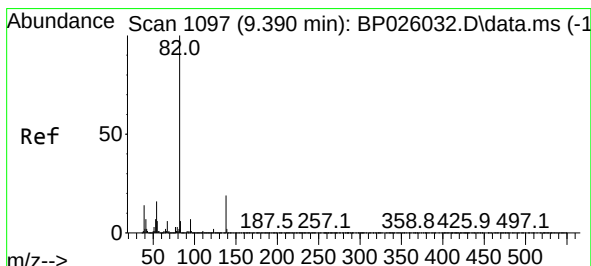
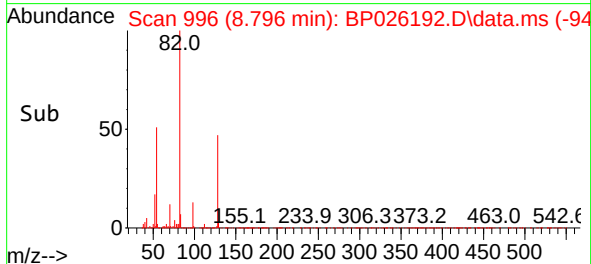
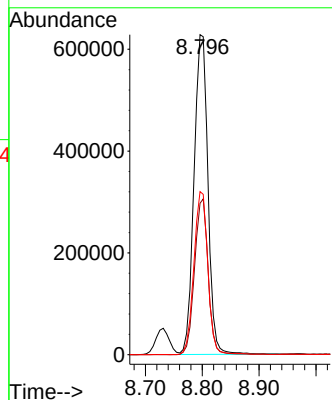
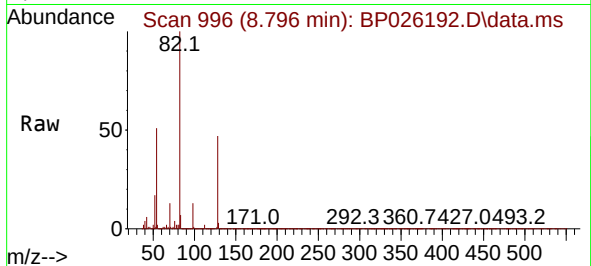




#23
Nitrobenzene-d5
Concen: 57.154 ng
RT: 8.796 min Scan# 91
Delta R.T. -0.017 min
Lab File: BP026192.D
Acq: 26 Nov 2025 15:48

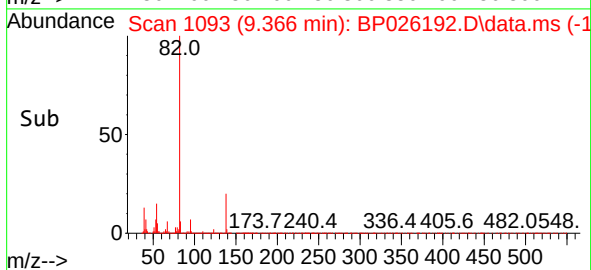
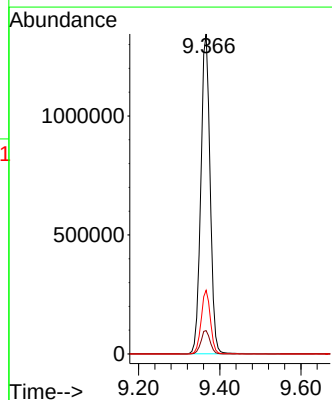
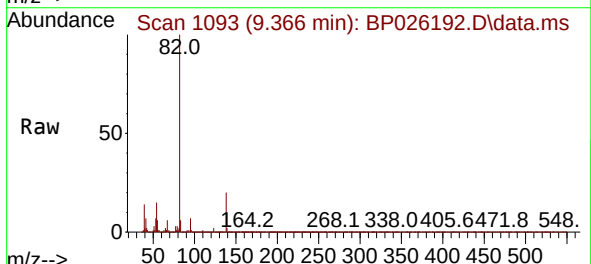
Instrument :
BNA_P
ClientSampleId :
HW1025-PT-BNA-SOIL

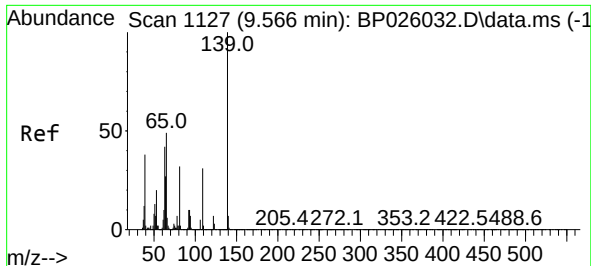
Tgt Ion: 82 Resp: 1072185
Ion Ratio Lower Upper
82 100
128 47.3 37.4 56.0
54 50.9 41.6 62.4



#25
Isophorone
Concen: 57.471 ng
RT: 9.366 min Scan# 1093
Delta R.T. -0.017 min
Lab File: BP026192.D
Acq: 26 Nov 2025 15:48

Tgt Ion: 82 Resp: 2137347
Ion Ratio Lower Upper
82 100
95 7.3 5.4 8.0
138 19.9 15.4 23.0

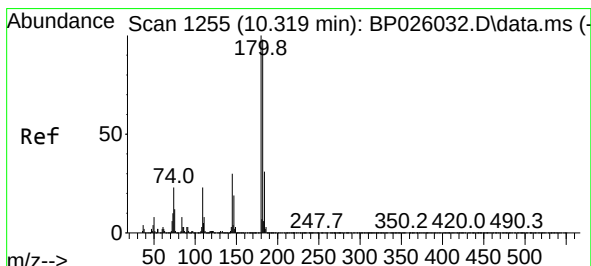
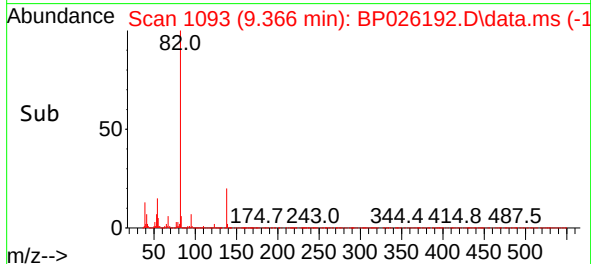
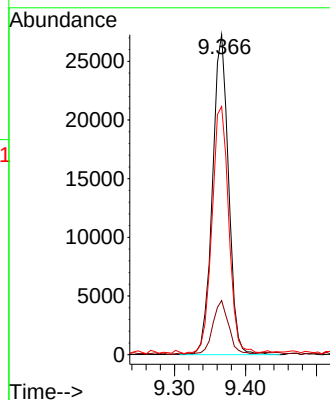
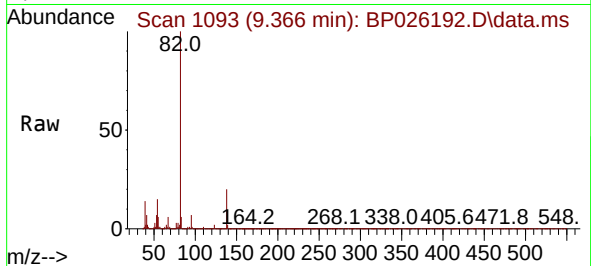




#26
2-Nitrophenol
Concen: 4.453 ng
RT: 9.366 min Scan# 1093
Delta R.T. -0.194 min
Lab File: BP026192.D
Acq: 26 Nov 2025 15:48

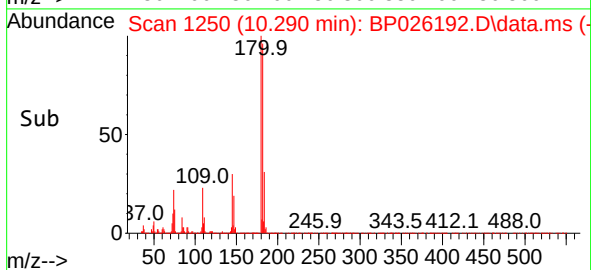
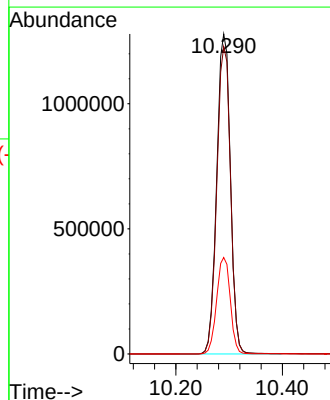
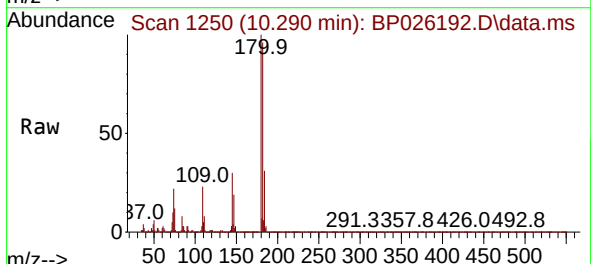
Instrument :
BNA_P
ClientSampleId :
HW1025-PT-BNA-SOIL

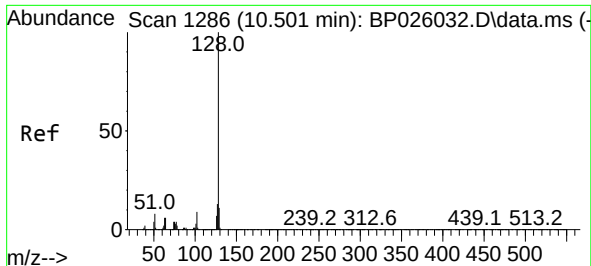
Tgt Ion:139 Resp: 42756
Ion Ratio Lower Upper
139 100
109 16.9 22.3 33.5#
65 77.6 37.2 55.8#



#30
1,2,4-Trichlorobenzene
Concen: 129.148 ng
RT: 10.290 min Scan# 1250
Delta R.T. -0.017 min
Lab File: BP026192.D
Acq: 26 Nov 2025 15:48

Tgt Ion:180 Resp: 2275838
Ion Ratio Lower Upper
180 100
182 96.0 78.1 117.1
145 30.1 24.2 36.4

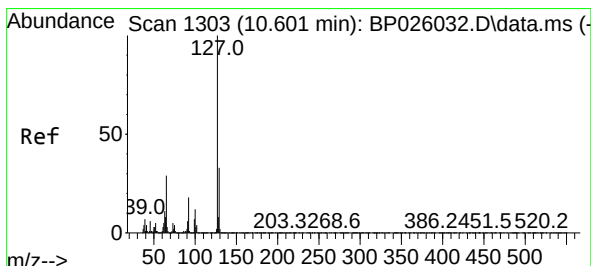
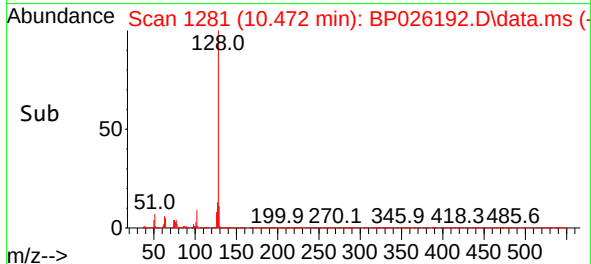
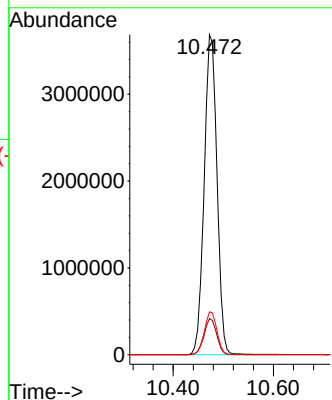
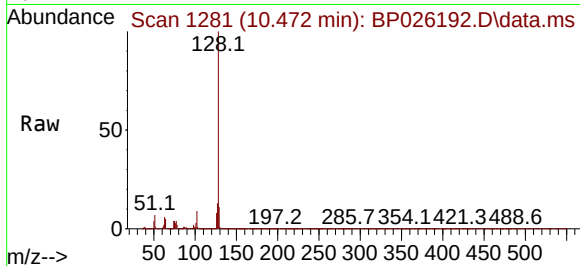




#31
Naphthalene
Concen: 113.592 ng
RT: 10.472 min Scan# 1281
Delta R.T. -0.023 min
Lab File: BP026192.D
Acq: 26 Nov 2025 15:48

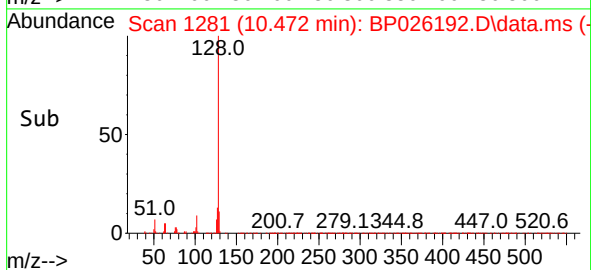
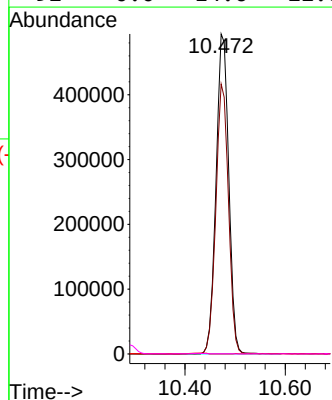
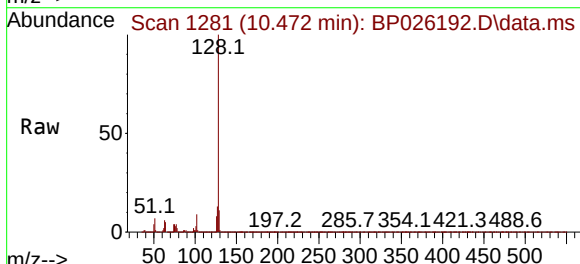
Instrument :
BNA_P
ClientSampleId :
HW1025-PT-BNA-SOIL

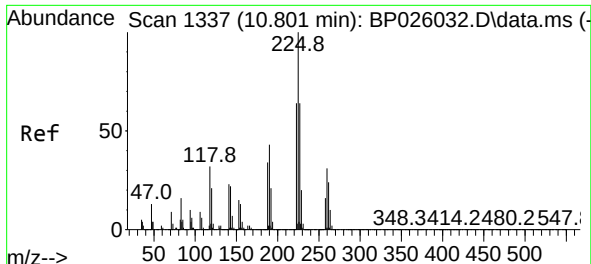
Tgt Ion:128 Resp: 6541666
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.6
127 13.4 10.2 15.4



#33
4-Chloroaniline
Concen: 35.379 ng
RT: 10.472 min Scan# 1281
Delta R.T. -0.123 min
Lab File: BP026192.D
Acq: 26 Nov 2025 15:48

Tgt Ion:127 Resp: 866450
Ion Ratio Lower Upper
127 100
129 84.4 25.8 38.8#
65 0.0 22.7 34.1#
92 0.0 14.6 22.0#

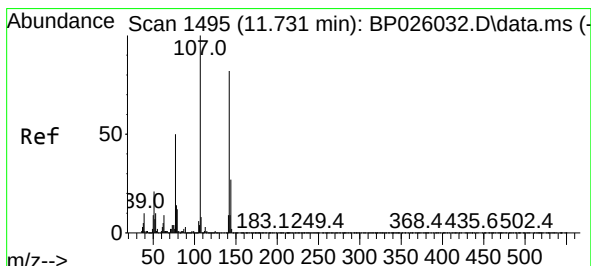
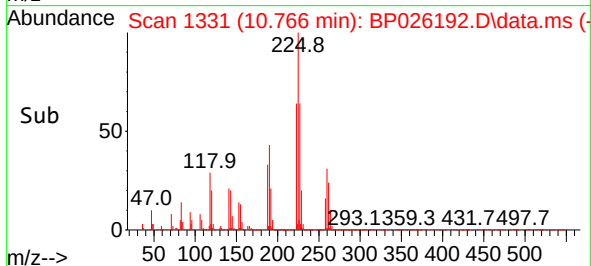
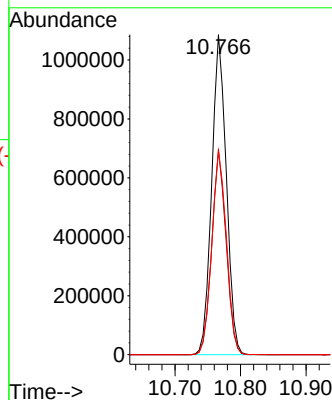
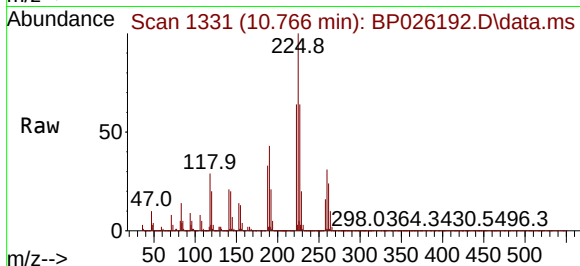




#34
Hexachlorobutadiene
Concen: 146.270 ng
RT: 10.766 min Scan# 1331
Delta R.T. -0.029 min
Lab File: BP026192.D
Acq: 26 Nov 2025 15:48

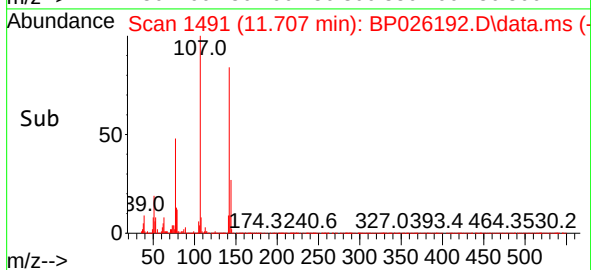
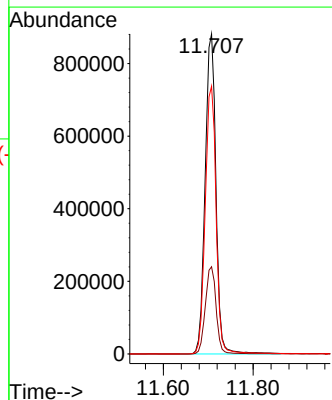
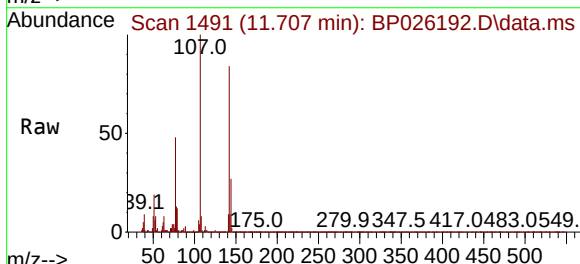
Instrument :
BNA_P
ClientSampleId :
HW1025-PT-BNA-SOIL

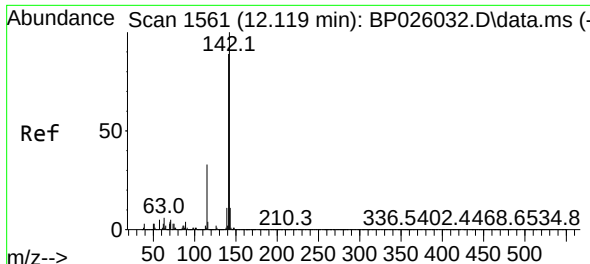
Tgt Ion:225 Resp: 1676388
Ion Ratio Lower Upper
225 100
223 64.2 49.6 74.4
227 63.6 51.2 76.8



#36
4-Chloro-3-methylphenol
Concen: 79.938 ng
RT: 11.707 min Scan# 1491
Delta R.T. -0.023 min
Lab File: BP026192.D
Acq: 26 Nov 2025 15:48

Tgt Ion:107 Resp: 1470302
Ion Ratio Lower Upper
107 100
144 27.3 21.6 32.4
142 83.7 65.6 98.4

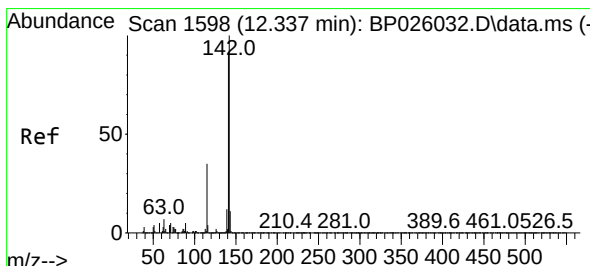
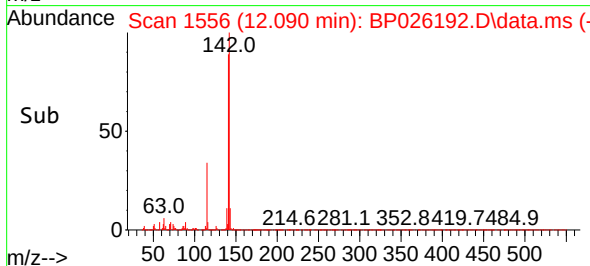
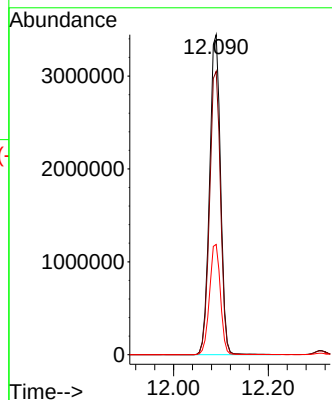
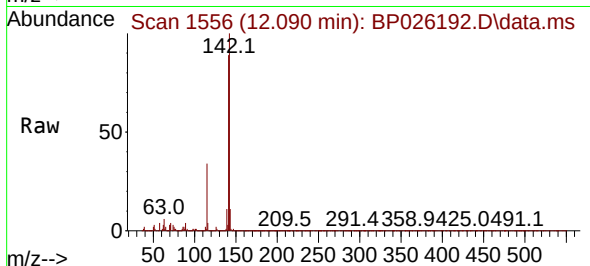




#37
2-Methylnaphthalene
Concen: 135.592 ng
RT: 12.090 min Scan# 1556
Delta R.T. -0.023 min
Lab File: BP026192.D
Acq: 26 Nov 2025 15:48

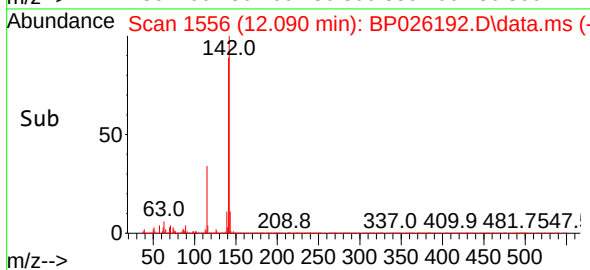
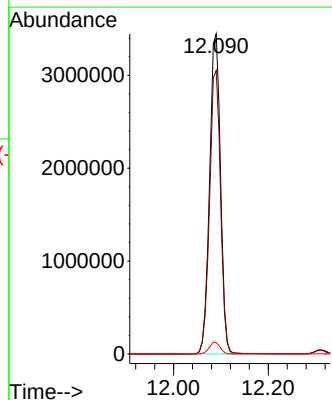
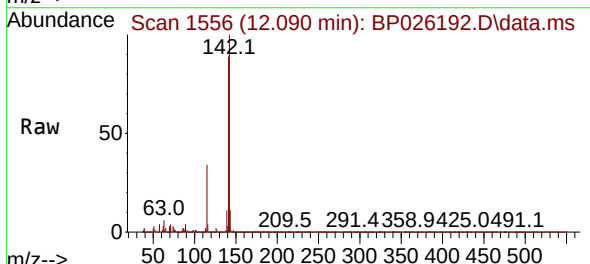
Instrument :
BNA_P
ClientSampleId :
HW1025-PT-BNA-SOIL

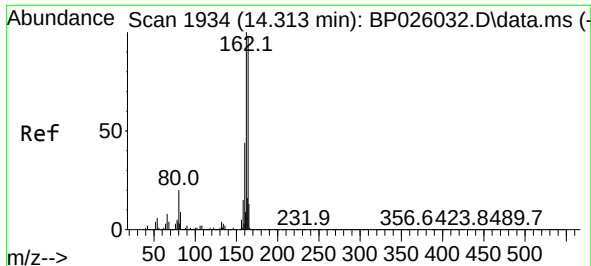
Tgt Ion:142 Resp: 5535790
Ion Ratio Lower Upper
142 100
141 88.6 71.0 106.6
115 34.4 26.6 39.8



#38
1-Methylnaphthalene
Concen: 138.723 ng
RT: 12.090 min Scan# 1556
Delta R.T. -0.241 min
Lab File: BP026192.D
Acq: 26 Nov 2025 15:48

Tgt Ion:142 Resp: 5535790
Ion Ratio Lower Upper
142 100
141 88.6 73.5 110.3
116 3.6 3.0 4.4

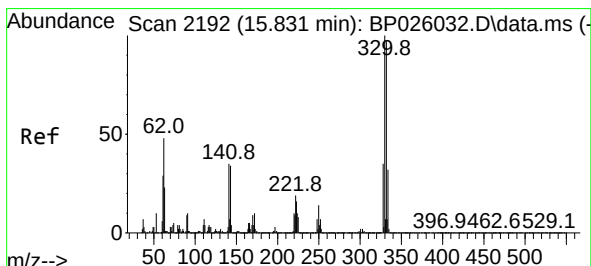
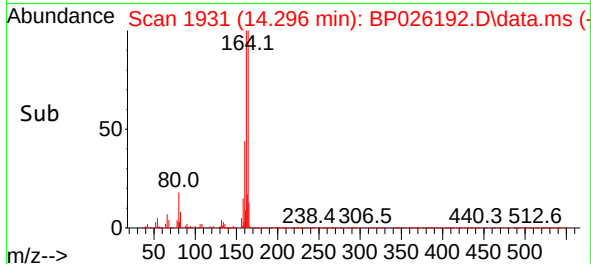
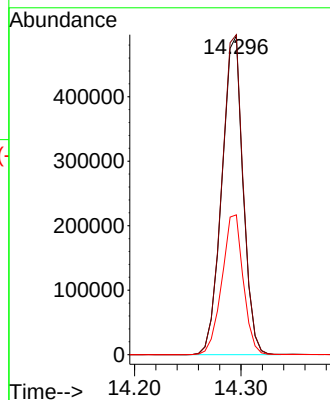
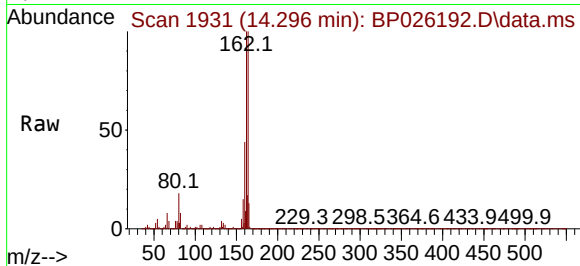




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.296 min Scan# 1934
Delta R.T. -0.029 min
Lab File: BP026192.D
Acq: 26 Nov 2025 15:48

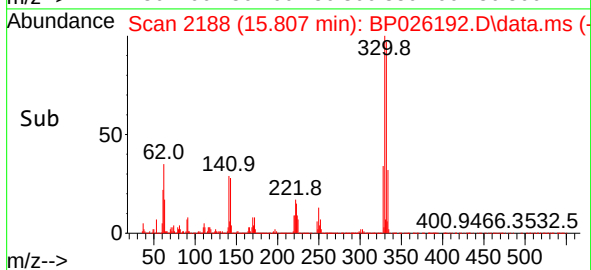
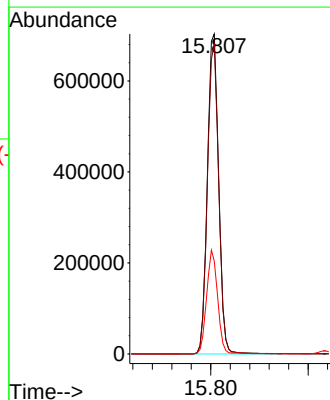
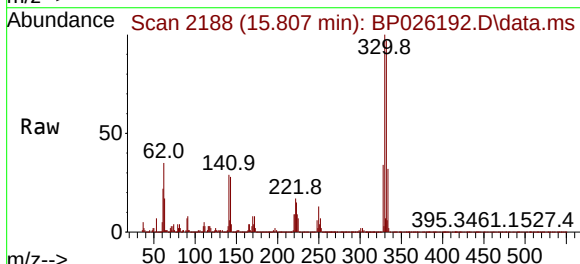
Instrument :
BNA_P
ClientSampleId :
HW1025-PT-BNA-SOIL

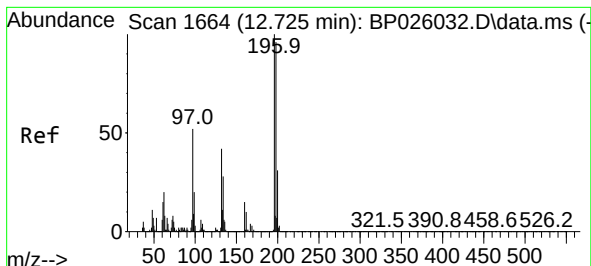
Tgt Ion:164 Resp: 680012
Ion Ratio Lower Upper
164 100
162 100.4 80.3 120.5
160 43.9 35.2 52.8



#42
2,4,6-Tribromophenol
Concen: 127.690 ng
RT: 15.807 min Scan# 2188
Delta R.T. -0.029 min
Lab File: BP026192.D
Acq: 26 Nov 2025 15:48

Tgt Ion:330 Resp: 1126409
Ion Ratio Lower Upper
330 100
332 96.4 78.0 117.0
141 31.7 26.8 40.2





#43

2,4,6-Trichlorophenol

Concen: 134.047 ng

RT: 12.701 min Scan# 1

Delta R.T. -0.023 min

Lab File: BP026192.D

Acq: 26 Nov 2025 15:48

Instrument :

BNA_P

ClientSampleId :

HW1025-PT-BNA-SOIL

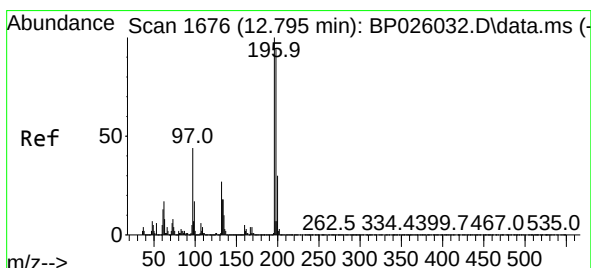
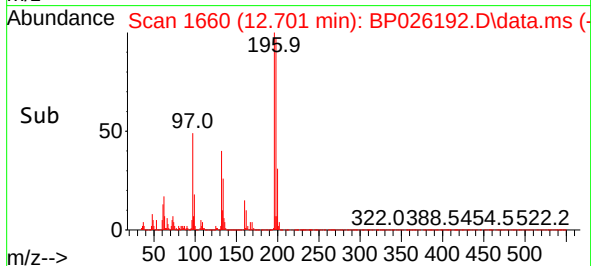
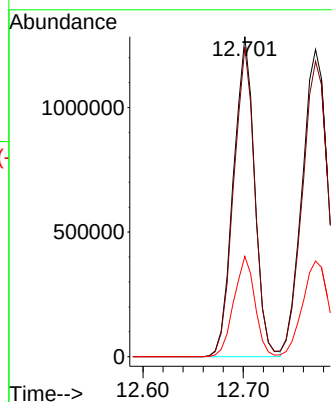
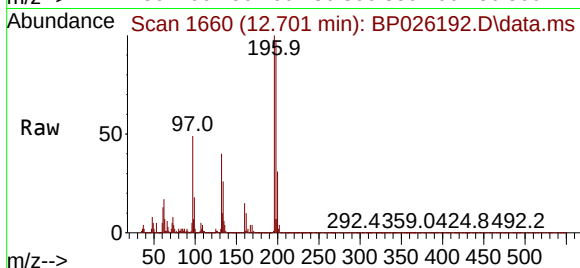
Tgt Ion:196 Resp: 1889585

Ion Ratio Lower Upper

196 100

198 96.8 76.9 115.3

200 31.3 24.6 37.0



#44

2,4,5-Trichlorophenol

Concen: 141.154 ng

RT: 12.772 min Scan# 1672

Delta R.T. -0.029 min

Lab File: BP026192.D

Acq: 26 Nov 2025 15:48

Tgt Ion:196 Resp: 2221068

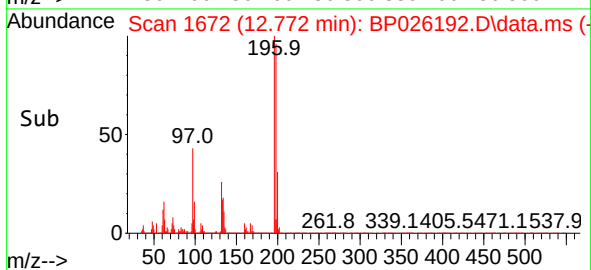
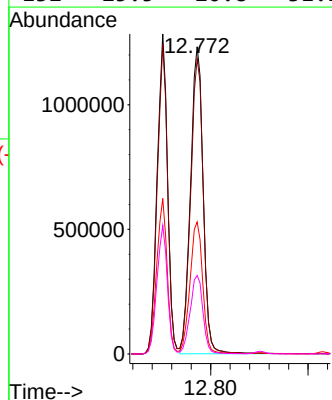
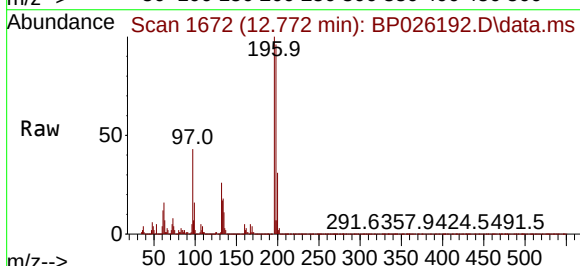
Ion Ratio Lower Upper

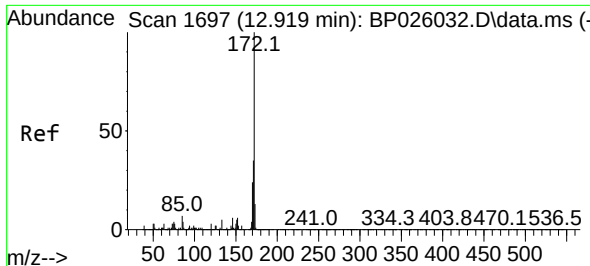
196 100

198 96.1 76.4 114.6

97 43.0 35.7 53.5

132 25.5 20.8 31.2

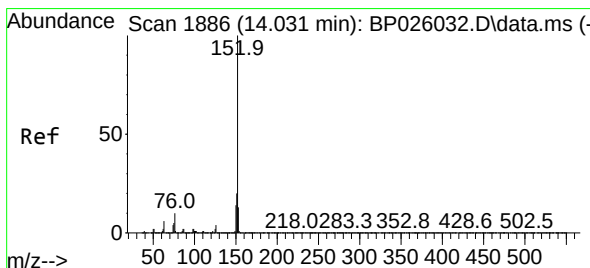
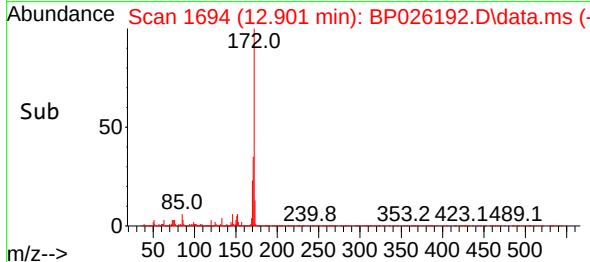
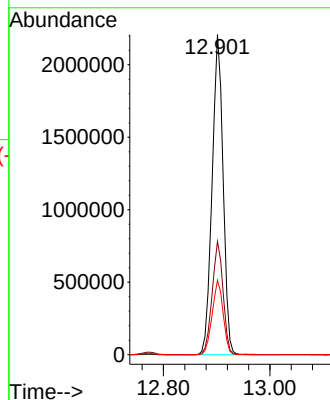
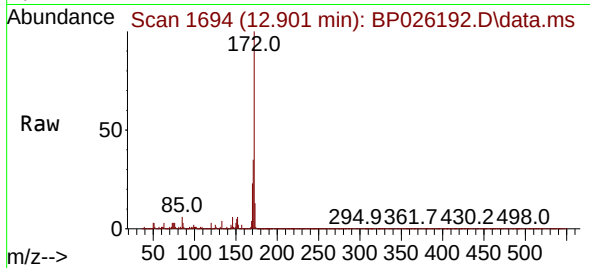




#45
2-Fluorobiphenyl
Concen: 68.203 ng
RT: 12.901 min Scan# 1697
Delta R.T. -0.029 min
Lab File: BP026192.D
Acq: 26 Nov 2025 15:48

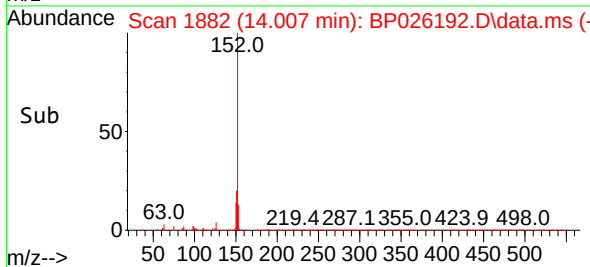
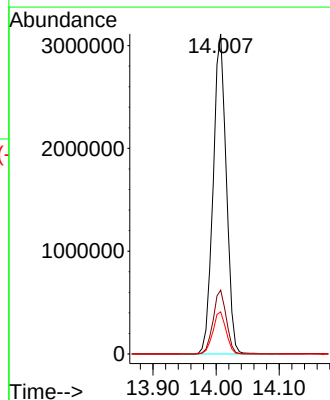
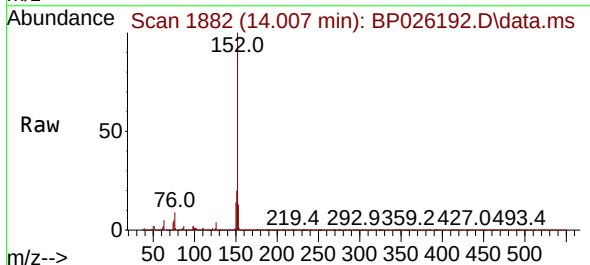
Instrument :
BNA_P
ClientSampleId :
HW1025-PT-BNA-SOIL

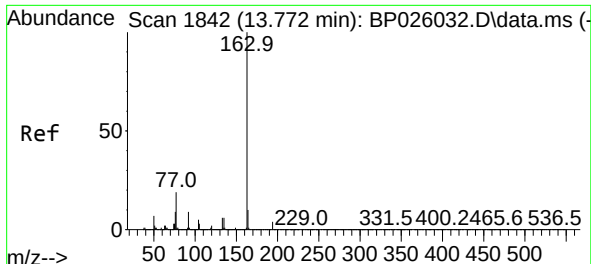
Tgt Ion:172 Resp: 3164515
Ion Ratio Lower Upper
172 100
171 35.4 28.2 42.4
170 23.3 18.7 28.1



#49
Acenaphthylene
Concen: 67.697 ng
RT: 14.007 min Scan# 1882
Delta R.T. -0.029 min
Lab File: BP026192.D
Acq: 26 Nov 2025 15:48

Tgt Ion:152 Resp: 4496164
Ion Ratio Lower Upper
152 100
151 19.9 15.8 23.8
153 13.2 10.6 16.0

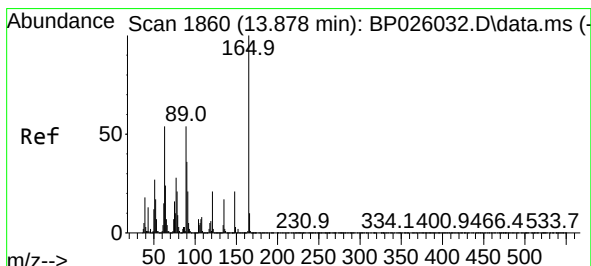
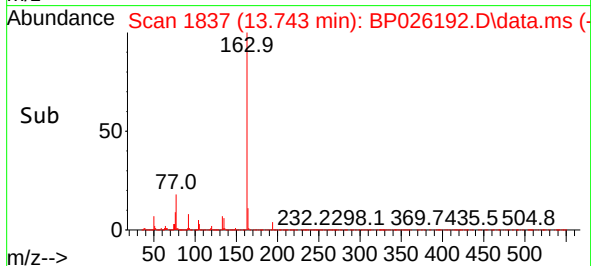
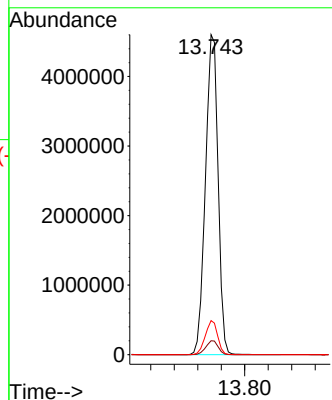
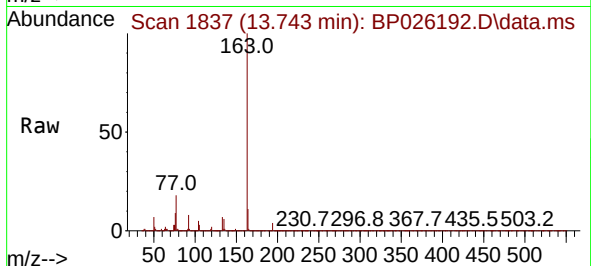




#50
Dimethylphthalate
Concen: 135.434 ng
RT: 13.743 min Scan# 1837
Delta R.T. -0.029 min
Lab File: BP026192.D
Acq: 26 Nov 2025 15:48

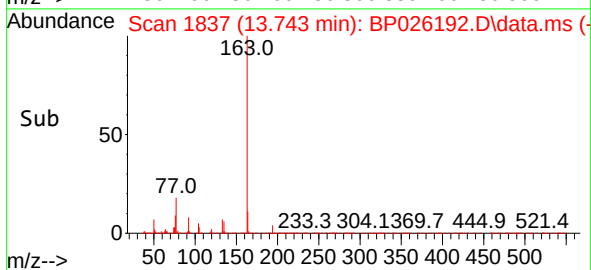
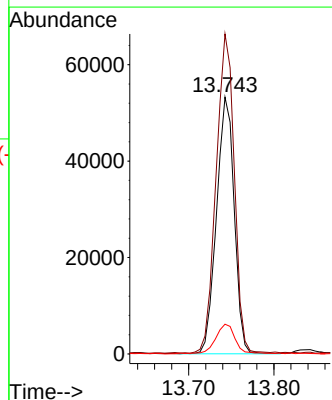
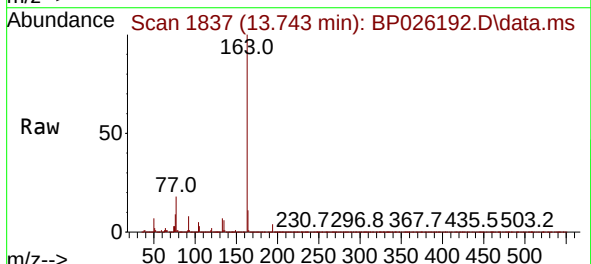
Instrument :
BNA_P
ClientSampleId :
HW1025-PT-BNA-SOIL

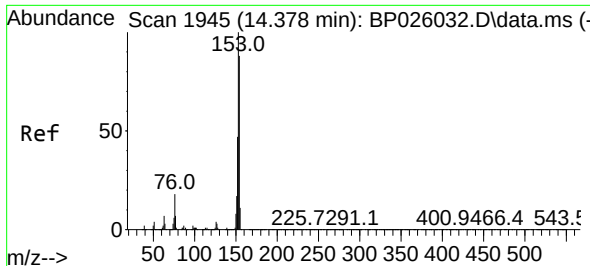
Tgt Ion:163 Resp: 6878641
Ion Ratio Lower Upper
163 100
194 4.3 3.3 4.9
164 10.6 8.2 12.2



#51
2,6-Dinitrotoluene
Concen: 7.654 ng
RT: 13.743 min Scan# 1837
Delta R.T. -0.141 min
Lab File: BP026192.D
Acq: 26 Nov 2025 15:48

Tgt Ion:165 Resp: 77031
Ion Ratio Lower Upper
165 100
63 124.6 40.5 60.7#
89 11.6 41.3 61.9#

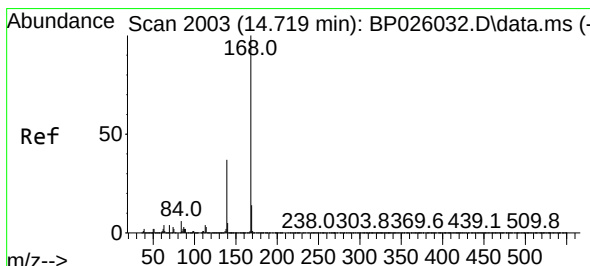
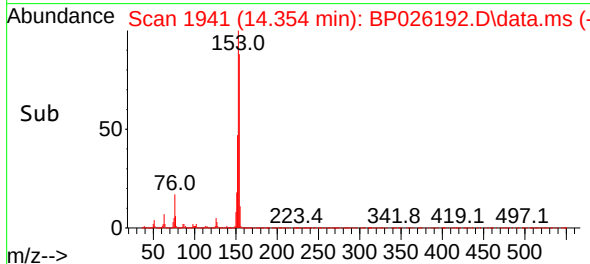
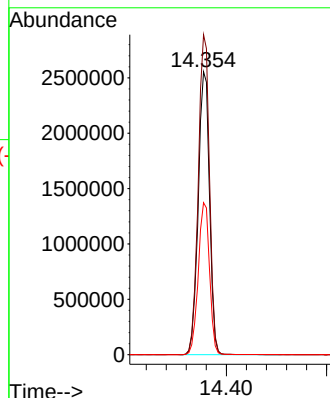
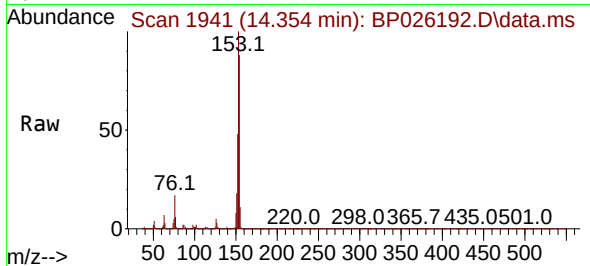




#52
Acenaphthene
Concen: 101.860 ng
RT: 14.354 min Scan# 1941
Delta R.T. -0.029 min
Lab File: BP026192.D
Acq: 26 Nov 2025 15:48

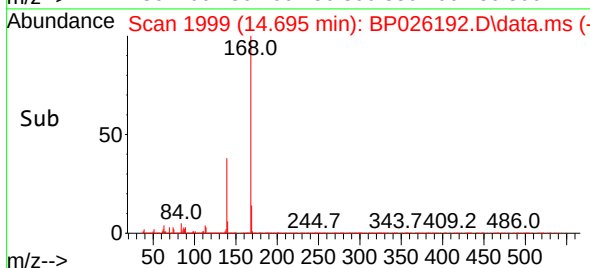
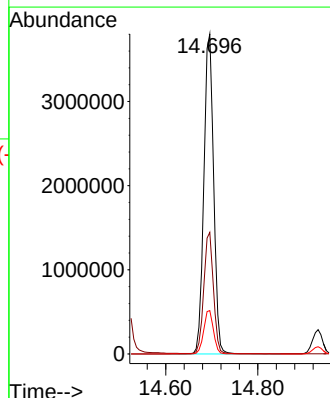
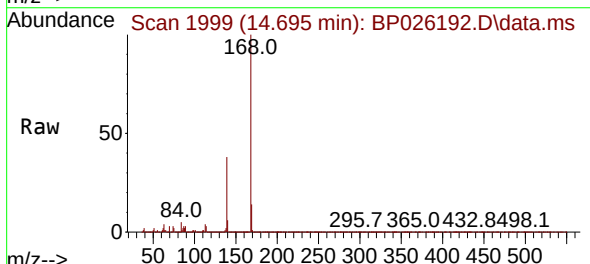
Instrument :
BNA_P
ClientSampleId :
HW1025-PT-BNA-SOIL

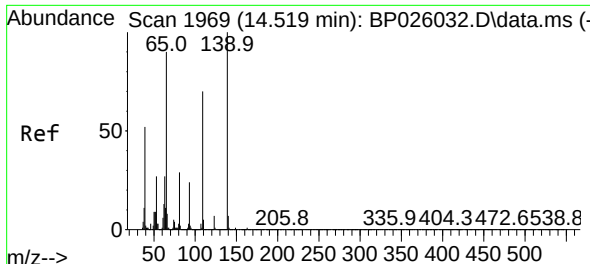
Tgt Ion:154 Resp: 3964602
Ion Ratio Lower Upper
154 100
153 113.1 90.7 136.1
152 53.7 42.8 64.2



#55
Dibenzofuran
Concen: 93.539 ng
RT: 14.695 min Scan# 1999
Delta R.T. -0.029 min
Lab File: BP026192.D
Acq: 26 Nov 2025 15:48

Tgt Ion:168 Resp: 5638950
Ion Ratio Lower Upper
168 100
139 38.0 29.8 44.6
169 13.5 10.9 16.3

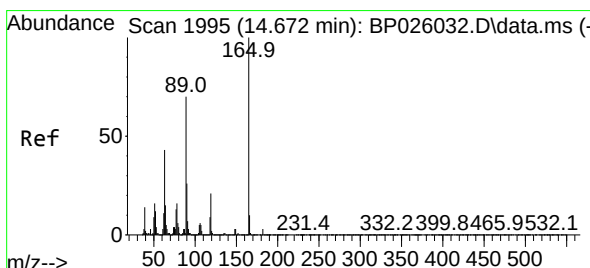
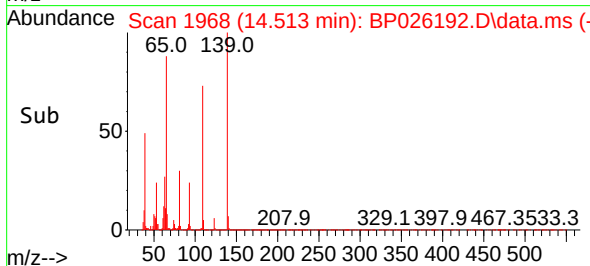
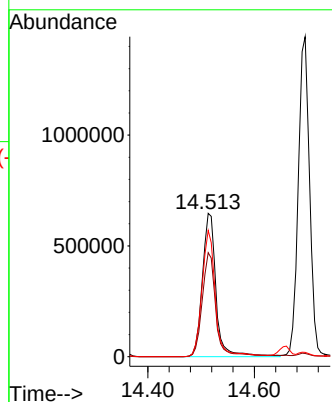
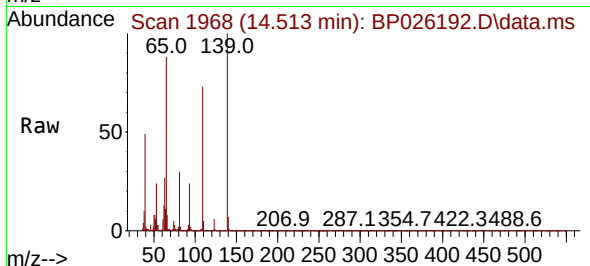




#56
4-Nitrophenol
Concen: 107.792 ng
RT: 14.513 min Scan# 1968
Delta R.T. -0.029 min
Lab File: BP026192.D
Acq: 26 Nov 2025 15:48

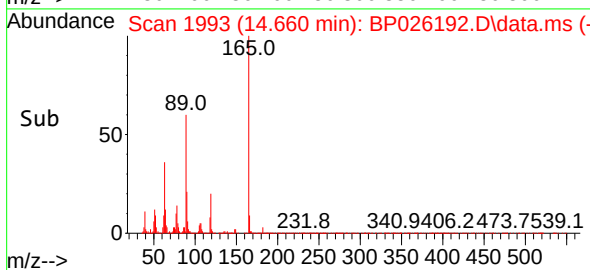
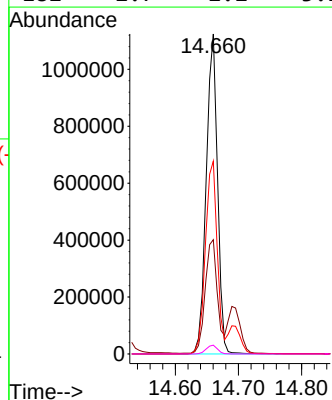
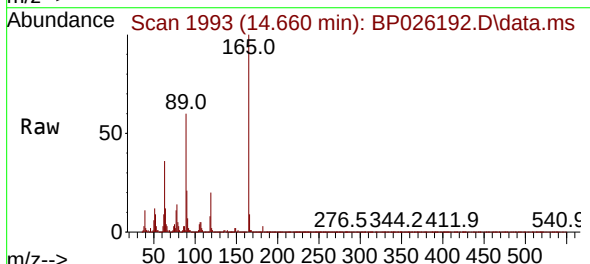
Instrument :
BNA_P
ClientSampleId :
HW1025-PT-BNA-SOIL

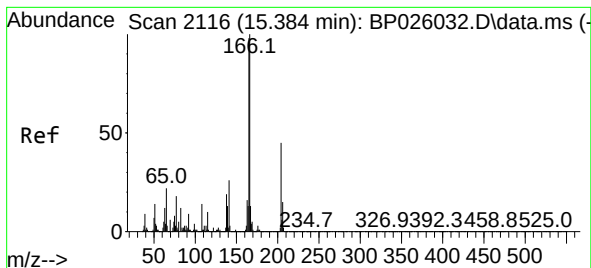
Tgt Ion:139 Resp: 1155473
Ion Ratio Lower Upper
139 100
109 72.6 46.8 86.8
65 88.1 69.3 109.3



#57
2,4-Dinitrotoluene
Concen: 93.116 ng
RT: 14.660 min Scan# 1993
Delta R.T. -0.029 min
Lab File: BP026192.D
Acq: 26 Nov 2025 15:48

Tgt Ion:165 Resp: 1399230
Ion Ratio Lower Upper
165 100
63 35.7 31.0 46.6
89 60.2 51.7 77.5
182 2.7 2.2 3.2





#58

Fluorene

Concen: 149.000 ng

RT: 15.360 min Scan# 2116

Delta R.T. -0.029 min

Lab File: BP026192.D

Acq: 26 Nov 2025 15:48

Instrument :

BNA_P

ClientSampleId :

HW1025-PT-BNA-SOIL

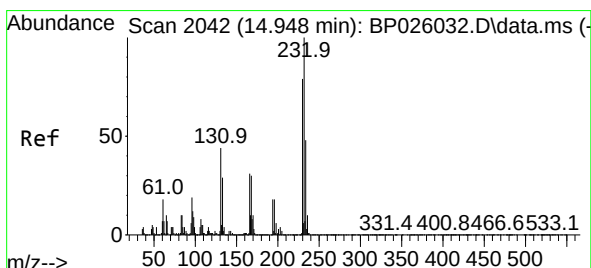
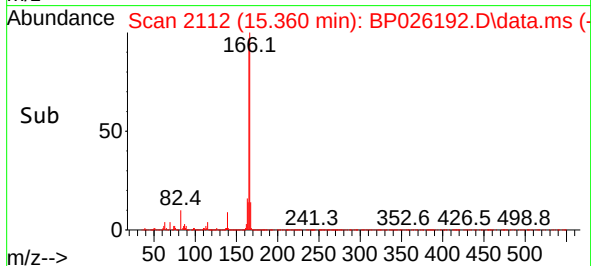
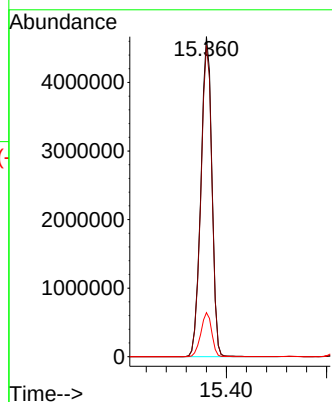
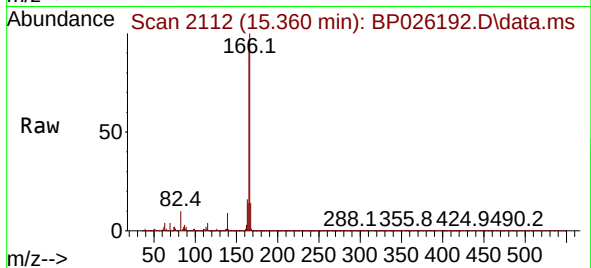
Tgt Ion:166 Resp: 7099767

Ion Ratio Lower Upper

166 100

165 97.4 77.9 116.9

167 13.8 11.0 16.4



#59

2,3,4,6-Tetrachlorophenol

Concen: 111.537 ng

RT: 14.931 min Scan# 2039

Delta R.T. -0.029 min

Lab File: BP026192.D

Acq: 26 Nov 2025 15:48

Tgt Ion:232 Resp: 1488896

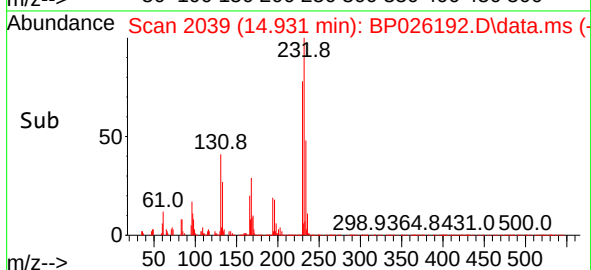
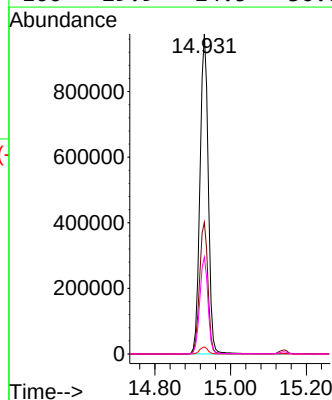
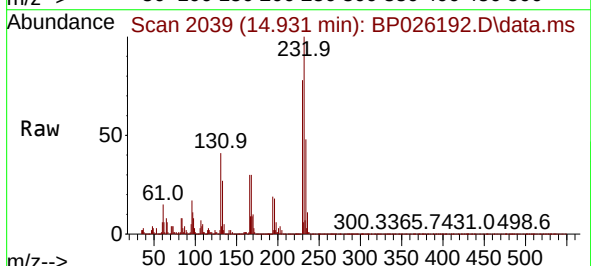
Ion Ratio Lower Upper

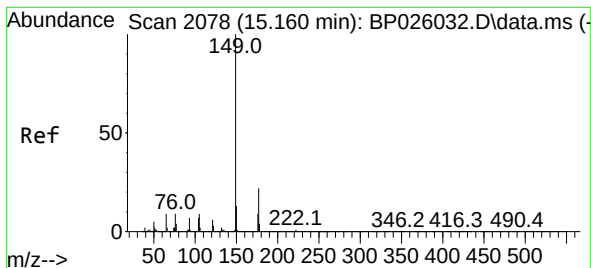
232 100

131 41.7 34.8 52.2

130 2.2 1.8 2.8

166 29.9 24.5 36.7





#60

Diethylphthalate

Concen: 159.345 ng

RT: 15.143 min Scan# 2078

Delta R.T. -0.029 min

Lab File: BP026192.D

Acq: 26 Nov 2025 15:48

Instrument :

BNA_P

ClientSampleId :

HW1025-PT-BNA-SOIL

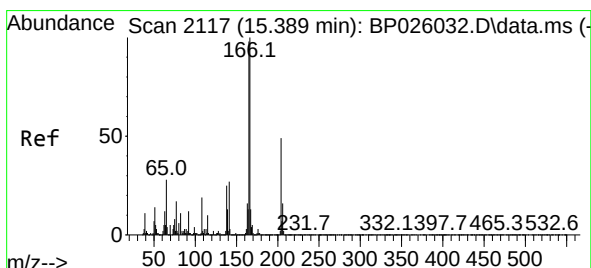
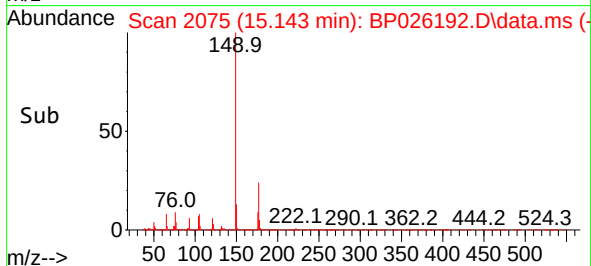
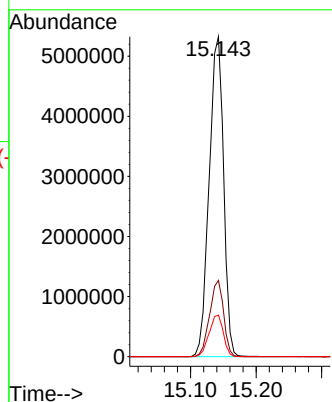
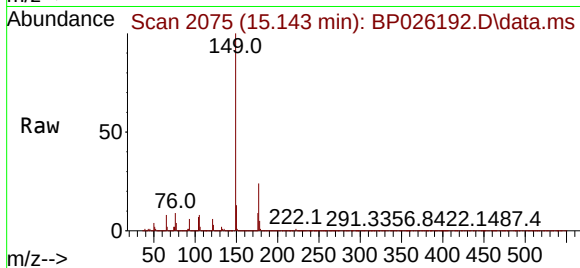
Tgt Ion:149 Resp: 8152713

Ion Ratio Lower Upper

149 100

177 23.8 17.9 26.9

150 13.0 9.9 14.9



#62

4-Nitroaniline

Concen: 6.698 ng

RT: 15.360 min Scan# 2112

Delta R.T. -0.041 min

Lab File: BP026192.D

Acq: 26 Nov 2025 15:48

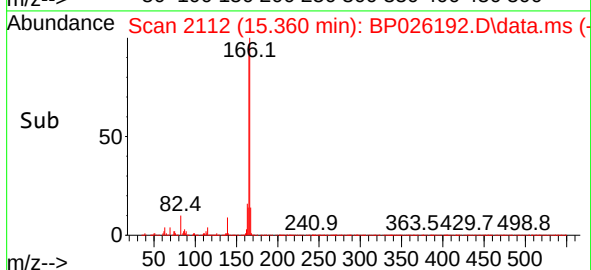
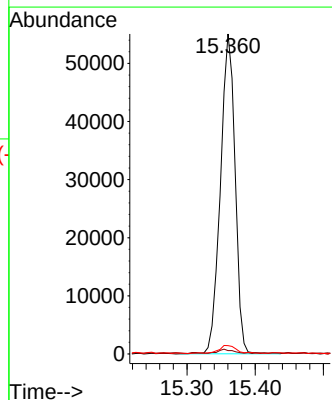
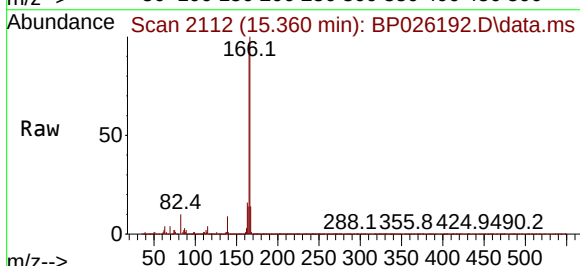
Tgt Ion:138 Resp: 82413

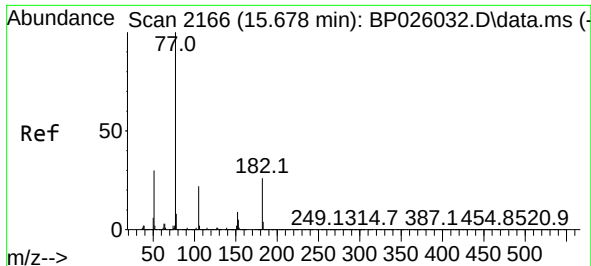
Ion Ratio Lower Upper

138 100

92 1.1 27.5 67.5#

108 2.6 51.1 91.1#

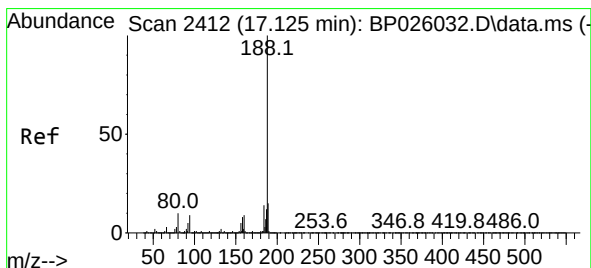
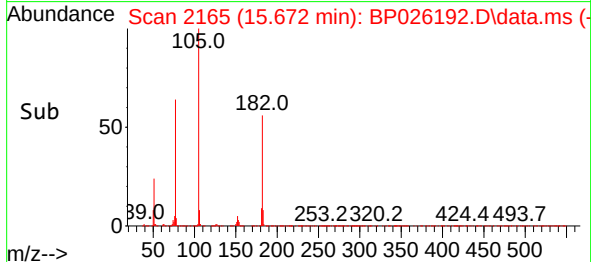
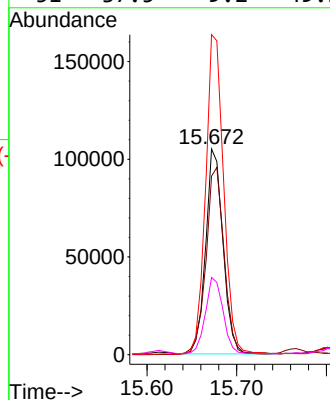
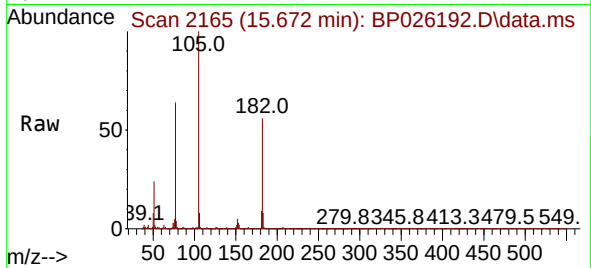




#63
Azobenzene
Concen: 3.273 ng
RT: 15.672 min Scan# 2166
Delta R.T. -0.017 min
Lab File: BP026192.D
Acq: 26 Nov 2025 15:48

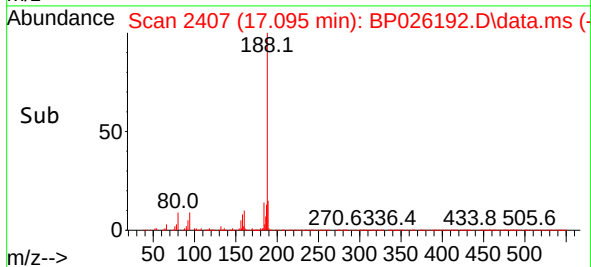
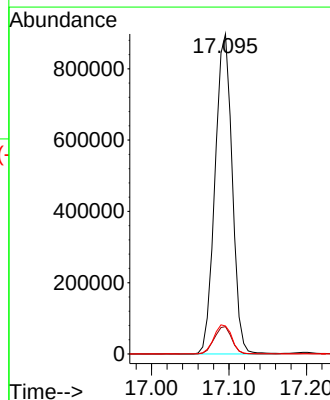
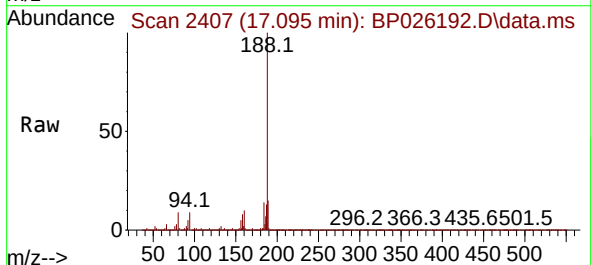
Instrument :
BNA_P
ClientSampleId :
HW1025-PT-BNA-SOIL

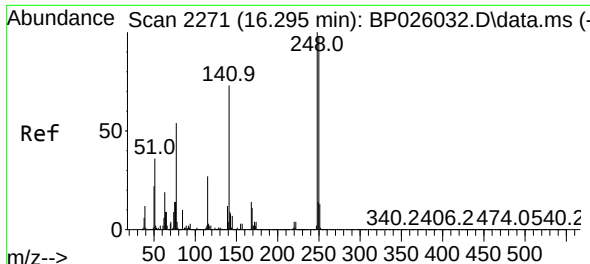
Tgt Ion: 77 Resp: 141206
Ion Ratio Lower Upper
77 100
182 86.7 8.8 48.8#
105 155.5 2.6 42.6#
51 37.5 9.2 49.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.095 min Scan# 2407
Delta R.T. -0.035 min
Lab File: BP026192.D
Acq: 26 Nov 2025 15:48

Tgt Ion:188 Resp: 1380494
Ion Ratio Lower Upper
188 100
94 8.6 7.8 11.6
80 8.7 8.2 12.2

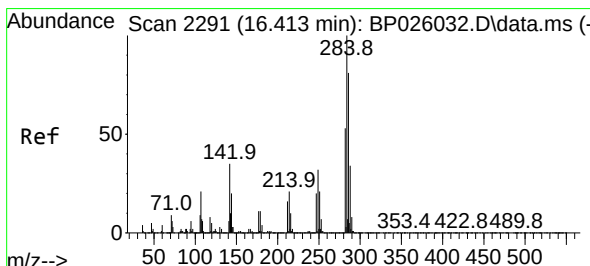
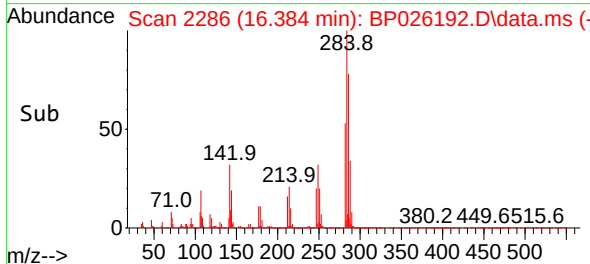
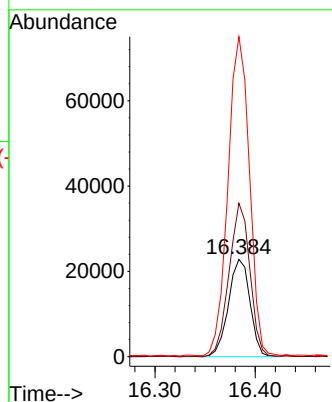
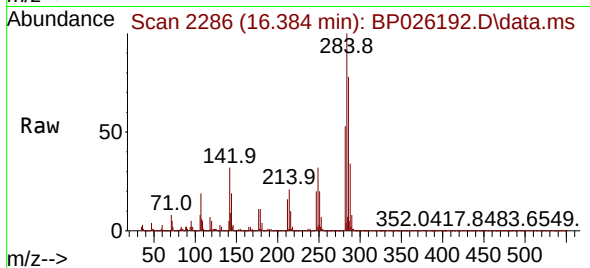




#67
4-Bromophenyl-phenylether
Concen: 2.222 ng
RT: 16.384 min Scan# 2286
Delta R.T. 0.077 min
Lab File: BP026192.D
Acq: 26 Nov 2025 15:48

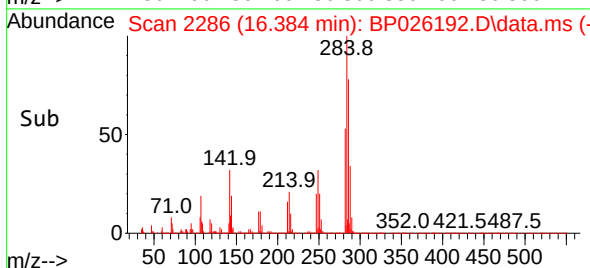
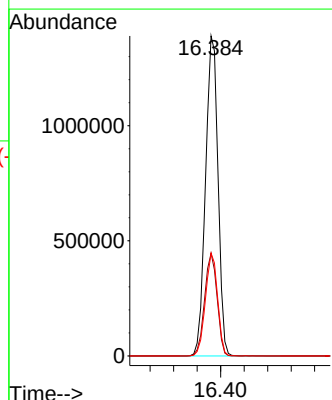
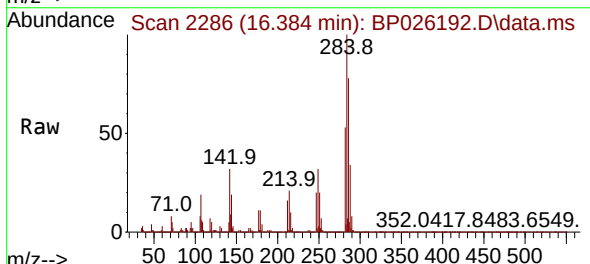
Instrument :
BNA_P
ClientSampleId :
HW1025-PT-BNA-SOIL

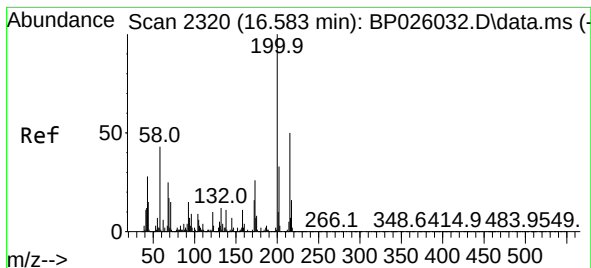
Tgt Ion:248 Resp: 33972
Ion Ratio Lower Upper
248 100
250 157.7 77.8 116.6#
141 328.9 55.4 83.0#



#68
Hexachlorobenzene
Concen: 114.874 ng
RT: 16.384 min Scan# 2286
Delta R.T. -0.041 min
Lab File: BP026192.D
Acq: 26 Nov 2025 15:48

Tgt Ion:284 Resp: 2037914
Ion Ratio Lower Upper
284 100
142 32.1 28.0 42.0
249 32.1 25.0 37.4





#69

Atrazine

Concen: 17.138 ng

RT: 16.737 min Scan# 21

Delta R.T. 0.147 min

Lab File: BP026192.D

Acq: 26 Nov 2025 15:48

Instrument :

BNA_P

ClientSampleId :

HW1025-PT-BNA-SOIL

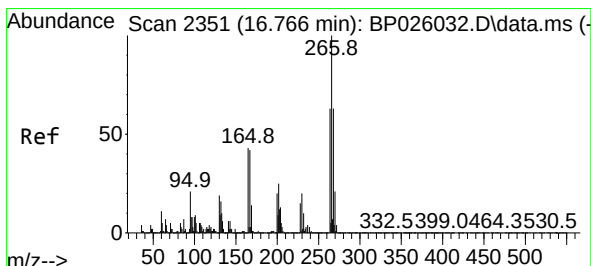
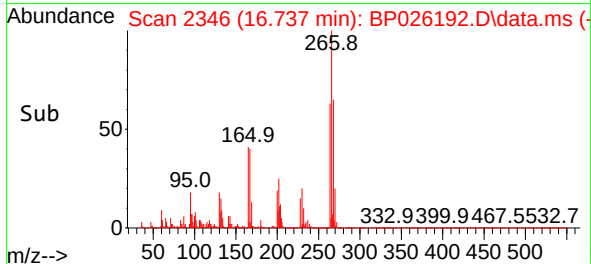
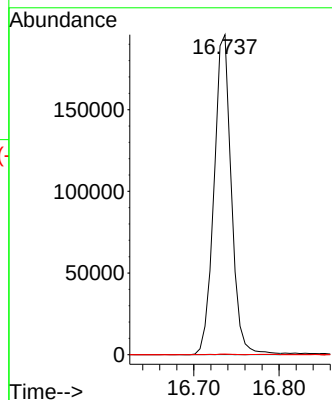
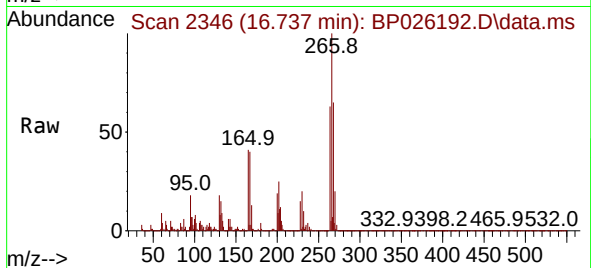
Tgt Ion:200 Resp: 275978

Ion Ratio Lower Upper

200 100

173 0.1 6.7 46.7#

215 0.2 27.4 67.4#



#70

Pentachlorophenol

Concen: 117.152 ng

RT: 16.737 min Scan# 2346

Delta R.T. -0.041 min

Lab File: BP026192.D

Acq: 26 Nov 2025 15:48

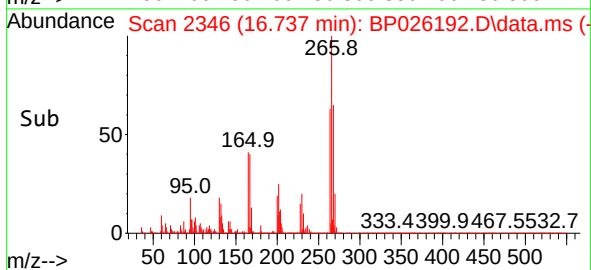
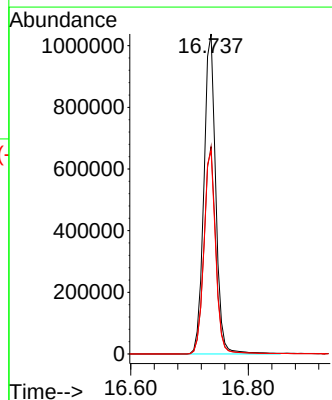
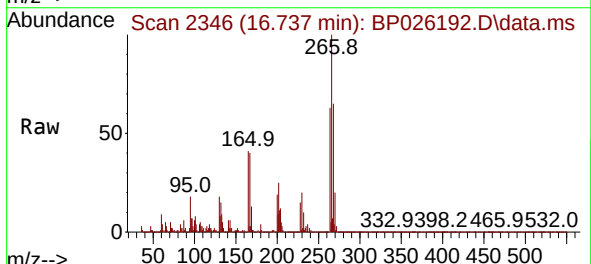
Tgt Ion:266 Resp: 1453830

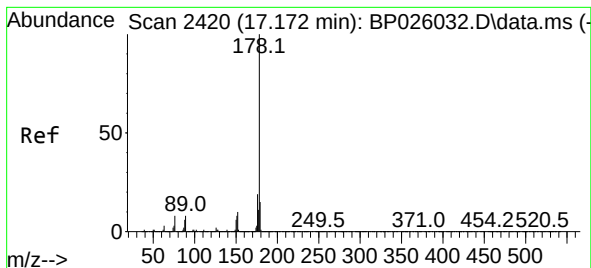
Ion Ratio Lower Upper

266 100

268 64.8 51.0 76.4

264 63.4 50.2 75.2





#71

Phenanthrene

Concen: 73.824 ng

RT: 17.237 min Scan# 2431

Delta R.T. 0.059 min

Lab File: BP026192.D

Acq: 26 Nov 2025 15:48

Instrument :

BNA_P

ClientSampleId :

HW1025-PT-BNA-SOIL

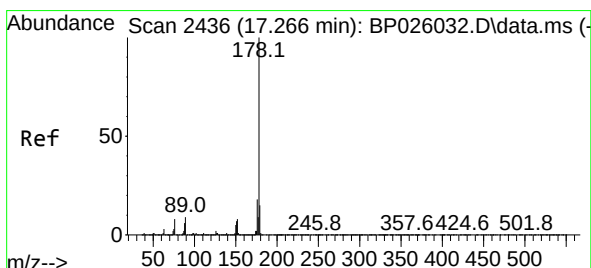
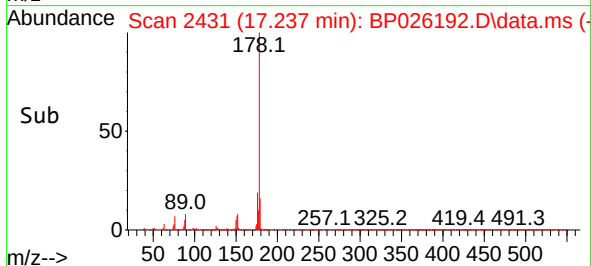
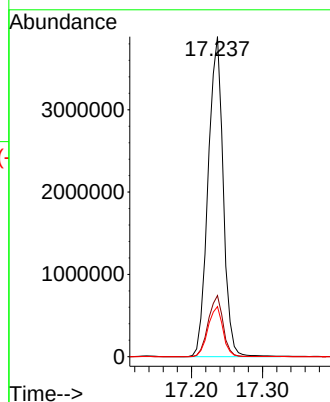
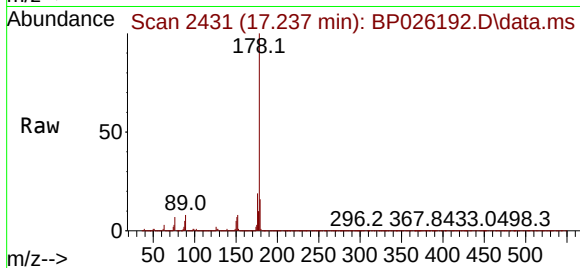
Tgt Ion:178 Resp: 5740990

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

179 15.7 12.4 18.6



#72

Anthracene

Concen: 72.379 ng

RT: 17.237 min Scan# 2431

Delta R.T. -0.035 min

Lab File: BP026192.D

Acq: 26 Nov 2025 15:48

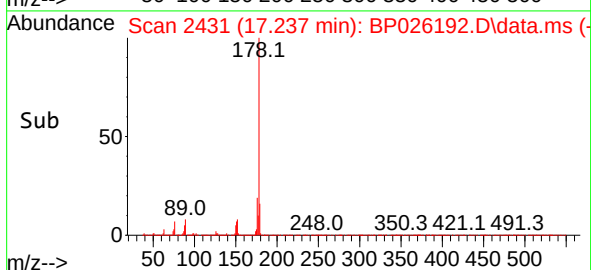
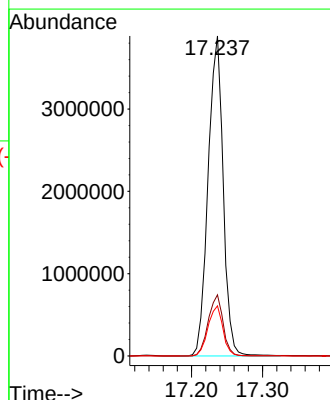
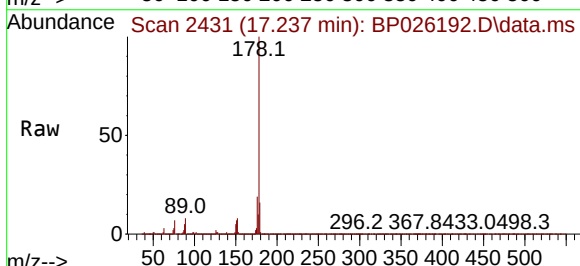
Tgt Ion:178 Resp: 5740990

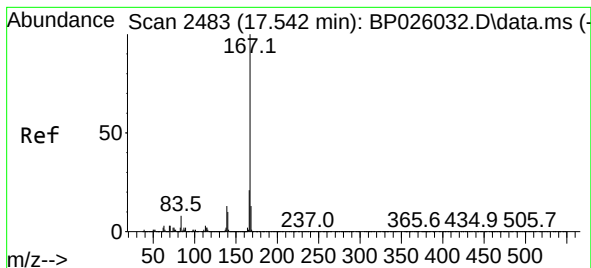
Ion Ratio Lower Upper

178 100

176 19.1 14.8 22.2

179 15.7 12.2 18.4





#73

Carbazole

Concen: 42.959 ng

RT: 17.513 min Scan# 24

Delta R.T. -0.029 min

Lab File: BP026192.D

Acq: 26 Nov 2025 15:48

Instrument :

BNA_P

ClientSampleId :

HW1025-PT-BNA-SOIL

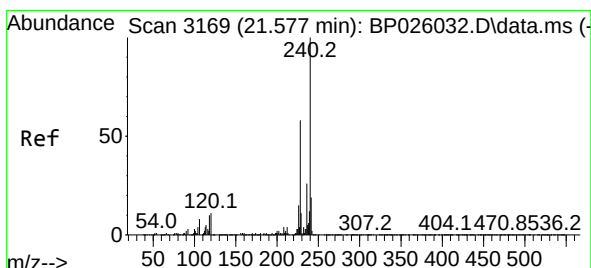
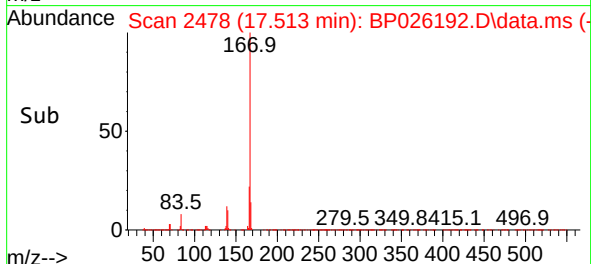
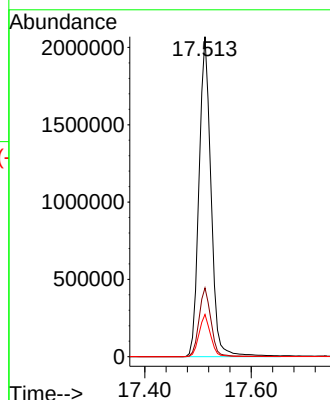
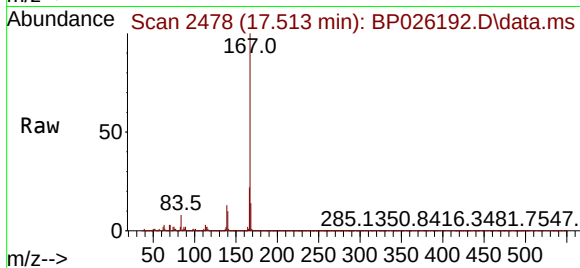
Tgt Ion:167 Resp: 3236298

Ion Ratio Lower Upper

167 100

166 21.5 17.1 25.7

139 13.2 10.2 15.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.548 min Scan# 3164

Delta R.T. -0.023 min

Lab File: BP026192.D

Acq: 26 Nov 2025 15:48

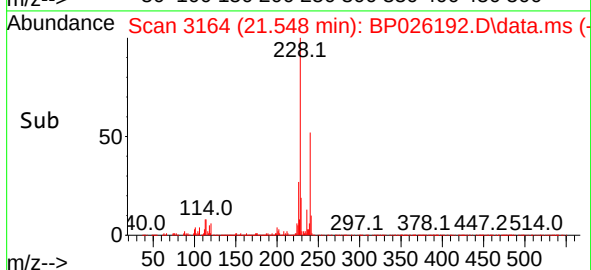
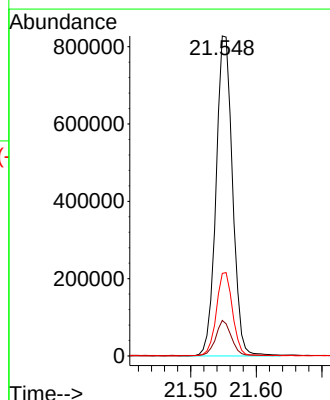
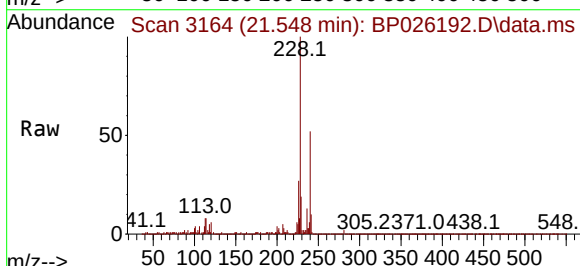
Tgt Ion:240 Resp: 1439545

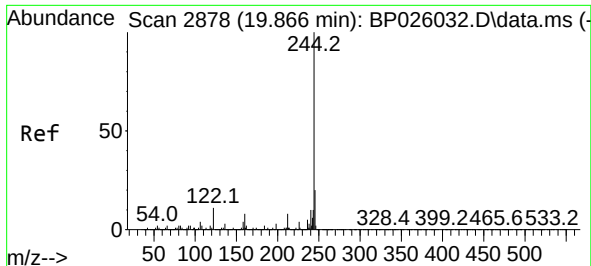
Ion Ratio Lower Upper

240 100

120 11.1 9.0 13.4

236 25.8 20.4 30.6

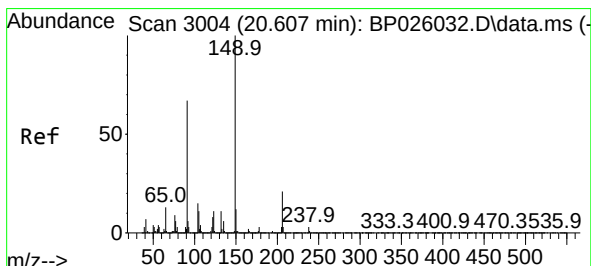
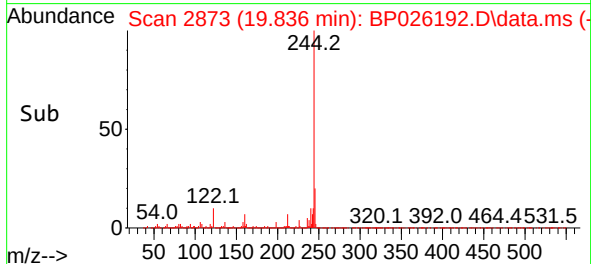
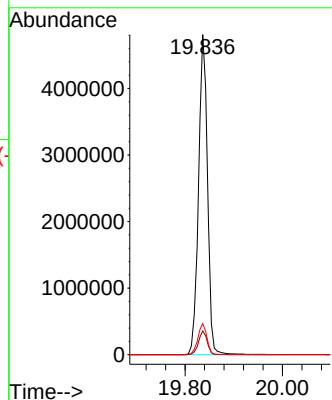
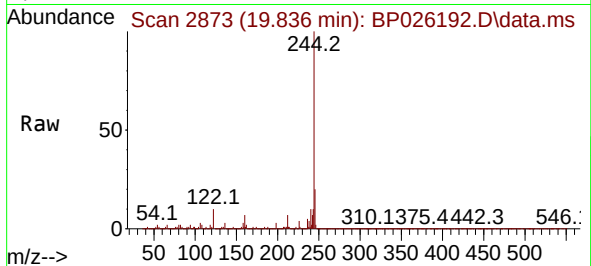




#79
 Terphenyl-d14
 Concen: 87.665 ng
 RT: 19.836 min Scan# 21
 Delta R.T. -0.035 min
 Lab File: BP026192.D
 Acq: 26 Nov 2025 15:48

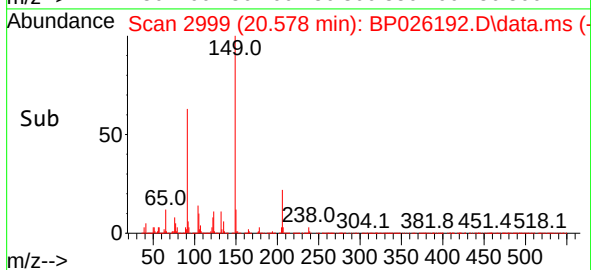
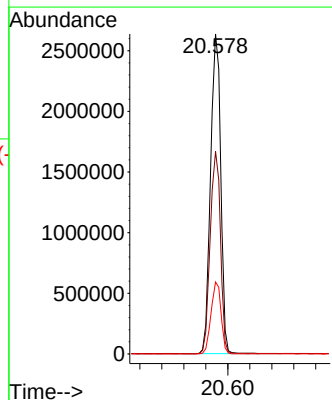
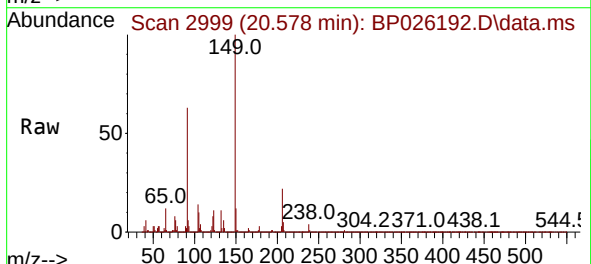
Instrument :
 BNA_P
 ClientSampleId :
 HW1025-PT-BNA-SOIL

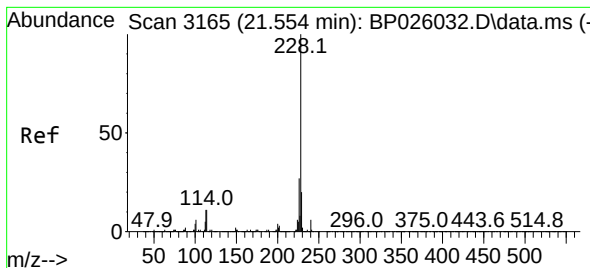
Tgt Ion:244 Resp: 6189061
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.8
 122 9.7 8.2 12.2



#80
 Butylbenzylphthalate
 Concen: 81.232 ng
 RT: 20.578 min Scan# 2999
 Delta R.T. -0.029 min
 Lab File: BP026192.D
 Acq: 26 Nov 2025 15:48

Tgt Ion:149 Resp: 3376596
 Ion Ratio Lower Upper
 149 100
 91 63.3 52.6 79.0
 206 22.5 16.9 25.3





#81

Benzo(a)anthracene

Concen: 86.260 ng

RT: 21.530 min Scan# 3161

Delta R.T. -0.023 min

Lab File: BP026192.D

Acq: 26 Nov 2025 15:48

Instrument :

BNA_P

ClientSampleId :

HW1025-PT-BNA-SOIL

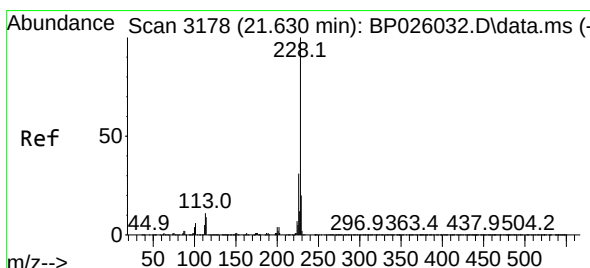
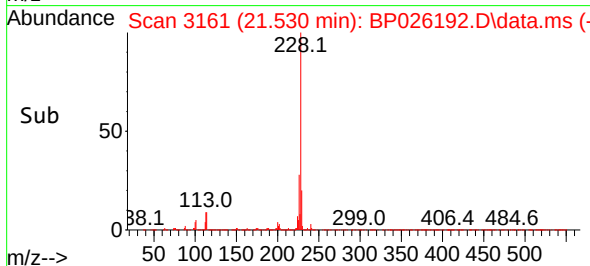
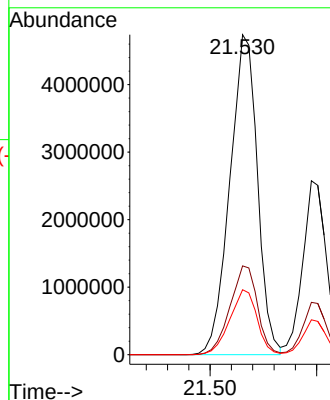
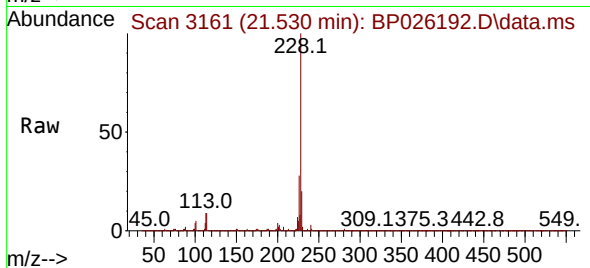
Tgt Ion:228 Resp: 8528177

Ion Ratio Lower Upper

228 100

226 27.8 21.8 32.8

229 20.3 15.9 23.9



#83

Chrysene

Concen: 43.160 ng

RT: 21.595 min Scan# 3172

Delta R.T. -0.023 min

Lab File: BP026192.D

Acq: 26 Nov 2025 15:48

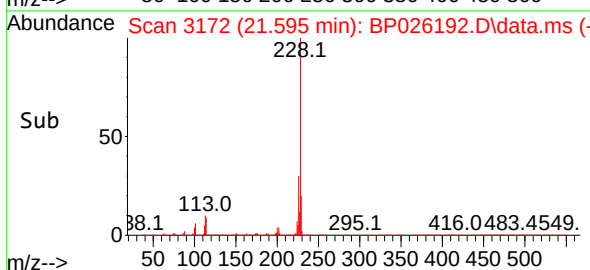
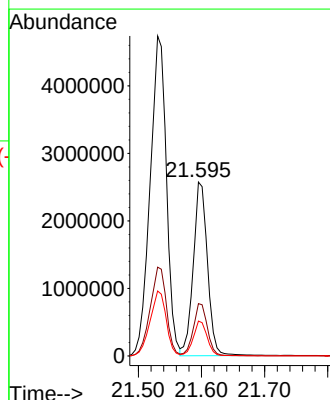
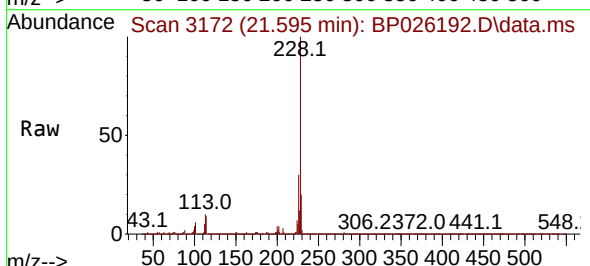
Tgt Ion:228 Resp: 4021397

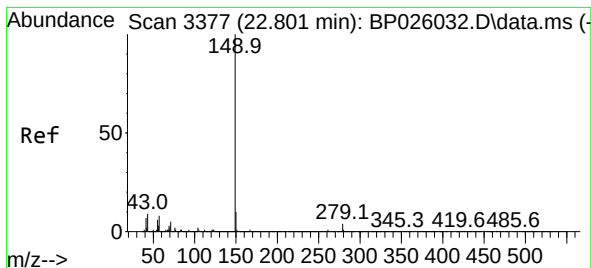
Ion Ratio Lower Upper

228 100

226 30.1 23.9 35.9

229 20.0 15.9 23.9





#85

Di-n-octyl phthalate

Concen: 141.679 ng

RT: 22.766 min Scan# 31

Delta R.T. -0.041 min

Lab File: BP026192.D

Acq: 26 Nov 2025 15:48

Instrument :

BNA_P

ClientSampleId :

HW1025-PT-BNA-SOIL

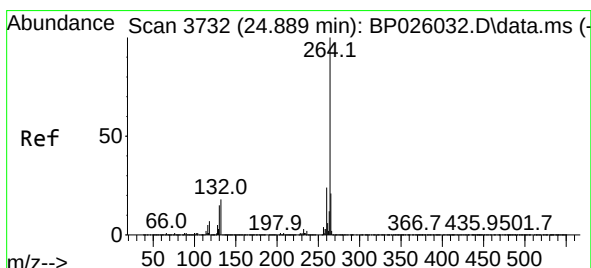
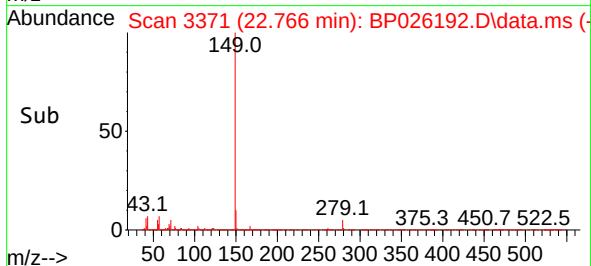
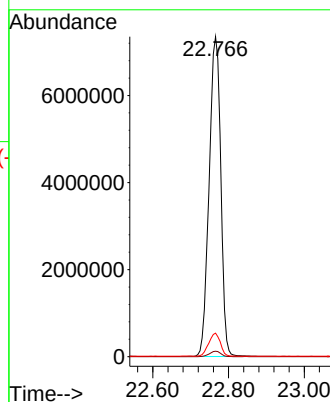
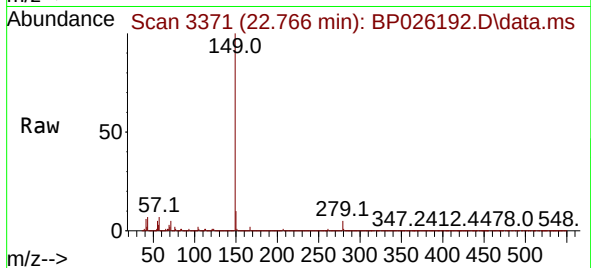
Tgt Ion:149 Resp:15588556

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 7.3 6.6 10.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.848 min Scan# 3725

Delta R.T. -0.059 min

Lab File: BP026192.D

Acq: 26 Nov 2025 15:48

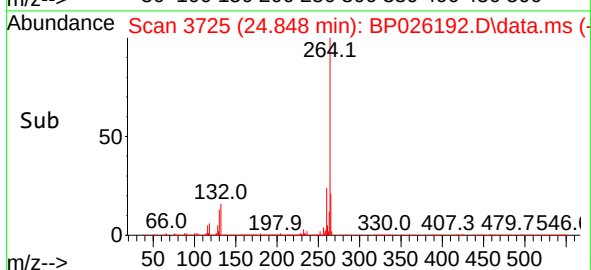
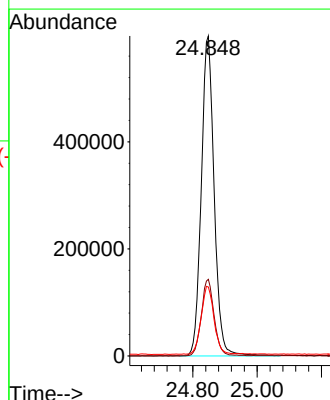
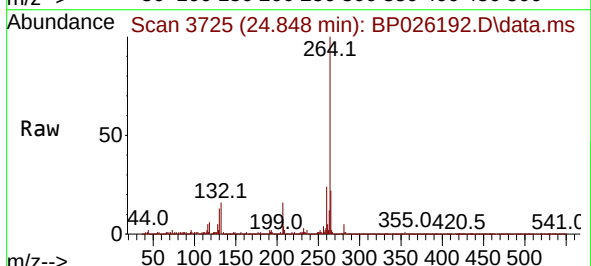
Tgt Ion:264 Resp: 1659681

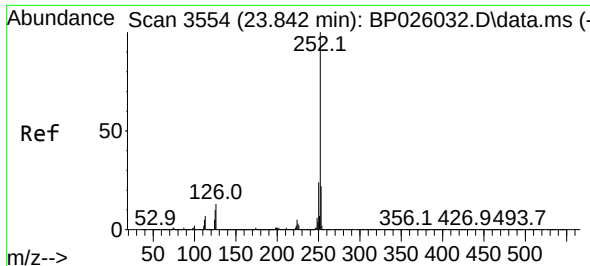
Ion Ratio Lower Upper

264 100

260 24.0 18.7 28.1

265 21.5 17.5 26.3

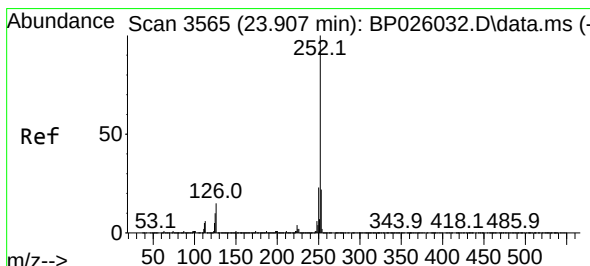
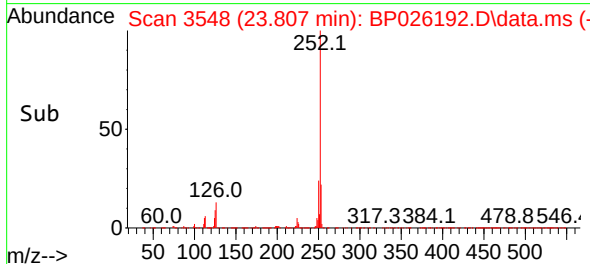
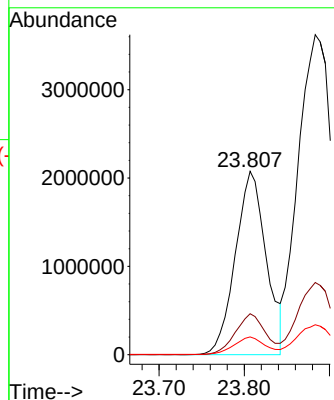
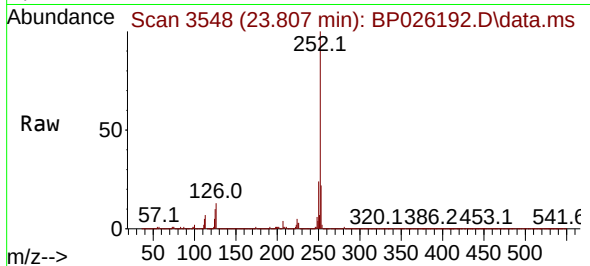




#88
Benzo(b)fluoranthene
Concen: 51.590 ng
RT: 23.807 min Scan# 3548
Delta R.T. -0.059 min
Lab File: BP026192.D
Acq: 26 Nov 2025 15:48

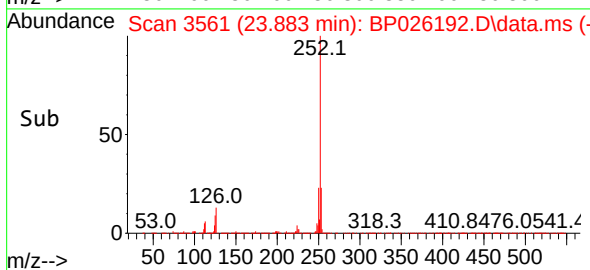
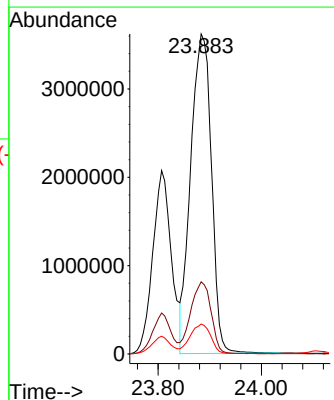
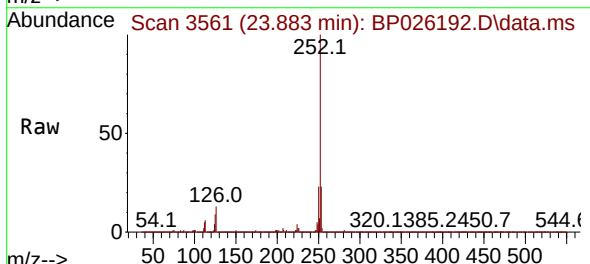
Instrument :
BNA_P
ClientSampleId :
HW1025-PT-BNA-SOIL

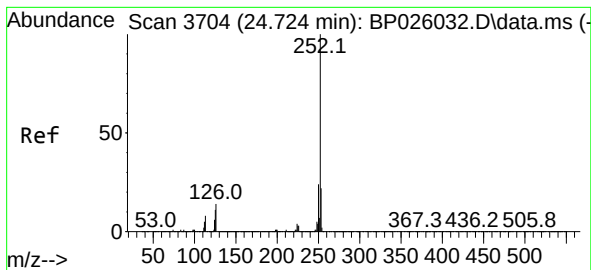
Tgt Ion:252 Resp: 5214320
Ion Ratio Lower Upper
252 100
253 22.3 17.6 26.4
125 9.7 8.2 12.4



#89
Benzo(k)fluoranthene
Concen: 99.717 ng
RT: 23.883 min Scan# 3561
Delta R.T. -0.053 min
Lab File: BP026192.D
Acq: 26 Nov 2025 15:48

Tgt Ion:252 Resp:10066652
Ion Ratio Lower Upper
252 100
253 22.5 17.6 26.4
125 9.3 7.5 11.3





#90

Benzo(a)pyrene

Concen: 96.284 ng

RT: 24.701 min Scan# 31

Delta R.T. -0.053 min

Lab File: BP026192.D

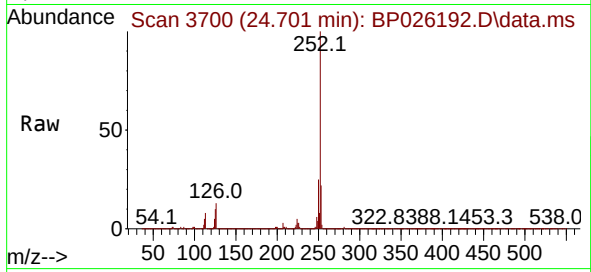
Acq: 26 Nov 2025 15:48

Instrument :

BNA_P

ClientSampleId :

HW1025-PT-BNA-SOIL



Tgt Ion:252 Resp: 9218090

Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.2

125 10.0 9.0 13.6

