

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051425\
 Data File : BP024630.D
 Acq On : 14 May 2025 17:56
 Operator : RC/JU
 Sample : Q1872-11DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 HW0425-PT-BNA-SOILD

Quant Time: May 14 18:17:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 13 16:21:39 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.663	152	126505	20.000	ng	0.00
21) Naphthalene-d8	10.428	136	541006	20.000	ng	0.00
39) Acenaphthene-d10	14.287	164	352192	20.000	ng	-0.02
64) Phenanthrene-d10	17.086	188	725477	20.000	ng	-0.01
76) Chrysene-d12	21.521	240	821394	20.000	ng	0.00
86) Perylene-d12	24.815	264	960938	20.000	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	111558	15.083	ng	0.00
7) Phenol-d6	6.852	99	146537	15.523	ng	0.00
23) Nitrobenzene-d5	8.805	82	101308	9.462	ng	0.00
42) 2,4,6-Tribromophenol	15.810	330	103081	17.265	ng	0.00
45) 2-Fluorobiphenyl	12.898	172	289050	10.752	ng	0.00
79) Terphenyl-d14	19.810	244	539049	11.253	ng	0.00

Target Compounds					Qvalue	
8) 2-Chlorophenol	7.240	128	96299	11.469	ng	99
10) Phenol	6.881	94	104379	10.713	ng	98
12) 1,3-Dichlorobenzene	7.699	146	245114	25.374	ng	99
13) 1,4-Dichlorobenzene	7.699	146	245114	25.228	ng	100
14) 1,2-Dichlorobenzene	8.010	146	116971	12.355	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.175	45	107528	11.215	ng	98
18) Hexachloroethane	8.728	117	77858	20.912	ng	96
19) n-Nitroso-di-n-propyla...	8.457	70	103952	15.920	ng	99
24) Nitrobenzene	8.852	77	292484	31.040	ng	98
25) Isophorone	9.369	82	310519	16.719	ng	99
26) 2-Nitrophenol	9.557	139	51616	11.179	ng	97
28) bis(2-Chloroethoxy)met...	9.846	93	271860	24.500	ng	99
32) Benzoic acid	9.728	122	97	7.483	ng	# 22
34) Hexachlorobutadiene	10.763	225	148968	25.868	ng	98
43) 2,4,6-Trichlorophenol	12.710	196	137853	20.810	ng	99
44) 2,4,5-Trichlorophenol	12.710	196	137853	18.695	ng	# 91
47) 2-Chloronaphthalene	13.157	162	258365	13.017	ng	99
49) Acenaphthylene	14.004	152	130705	3.935	ng	98
50) Dimethylphthalate	13.745	163	422091	15.724	ng	100
52) Acenaphthene	14.357	154	180889	9.473	ng	100
54) 2,4-Dinitrophenol	14.422	184	2	6.402	ng	# 1
55) Dibenzofuran	14.698	168	496959	16.317	ng	99
56) 4-Nitrophenol	14.551	139	116135	26.181	ng	99
58) Fluorene	15.357	166	673553	27.121	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.934	232	133248	19.480	ng	100
60) Diethylphthalate	15.134	149	778731	28.702	ng	99
67) 4-Bromophenyl-phenylether	16.263	248	134193	15.698	ng	100
69) Atrazine	16.739	200	19103	2.339	ng	# 37
70) Pentachlorophenol	16.739	266	107862	17.689	ng	98
71) Phenanthrene	17.228	178	243973	6.049	ng	99
72) Anthracene	17.228	178	243973	6.013	ng	99
73) Carbazole	17.510	167	829082	22.575	ng	99
74) Di-n-butylphthalate	18.092	149	1236759	26.184	ng	99
75) Fluoranthene	19.222	202	1290609	27.376	ng	100
81) Benzo(a)anthracene	21.574	228	550263	10.669	ng	96
83) Chrysene	21.574	228	550263	11.255	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051425\
 Data File : BP024630.D
 Acq On : 14 May 2025 17:56
 Operator : RC/JU
 Sample : Q1872-11DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 HW0425-PT-BNA-SOILD

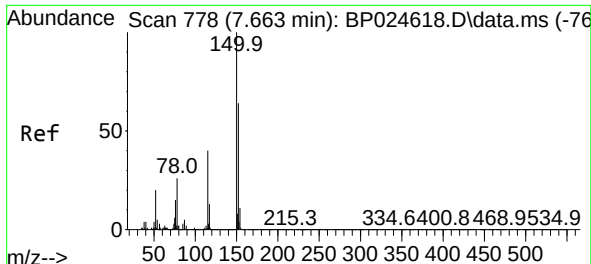
Quant Time: May 14 18:17:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 13 16:21:39 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) Bis(2-ethylhexyl)phtha...	21.445	149	1009672	31.383	ng	99
87) Indeno(1,2,3-cd)pyrene	28.521	276	895304	12.762	ng #	88
88) Benzo(b)fluoranthene	23.774	252	501604	9.120	ng	99
89) Benzo(k)fluoranthene	23.774	252	501604	8.850	ng	100
90) Benzo(a)pyrene	24.662	252	289709	5.484	ng	99
91) Dibenzo(a,h)anthracene	28.598	278	388749	6.811	ng	98
92) Benzo(g,h,i)perylene	29.674	276	465874	8.208	ng	98

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

Quant Time: May 14 18:17:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

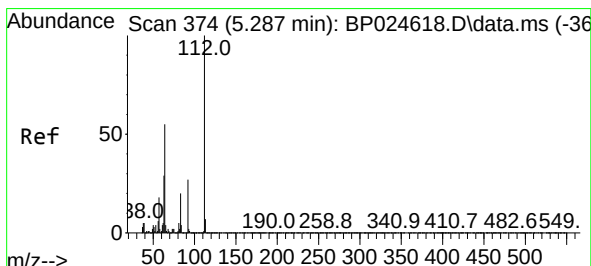
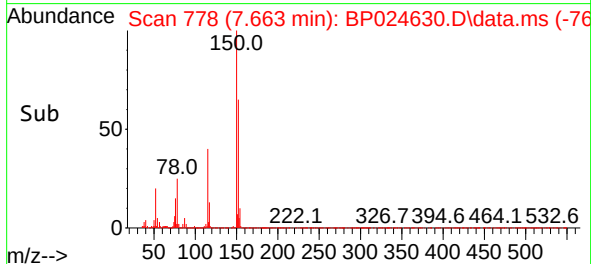
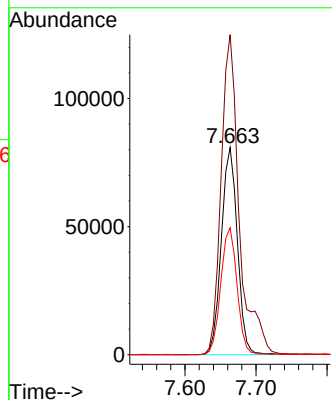
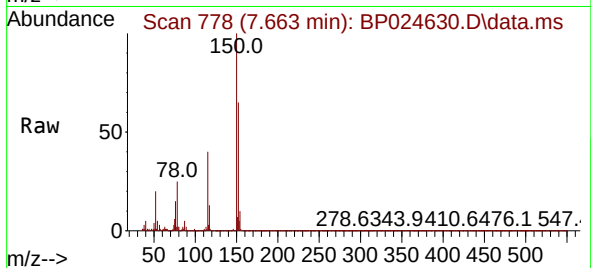




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.663 min Scan# 71
Delta R.T. 0.000 min
Lab File: BP024630.D
Acq: 14 May 2025 17:56

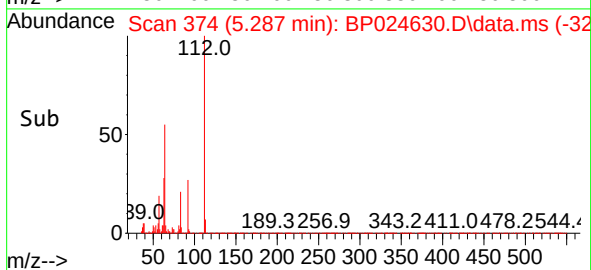
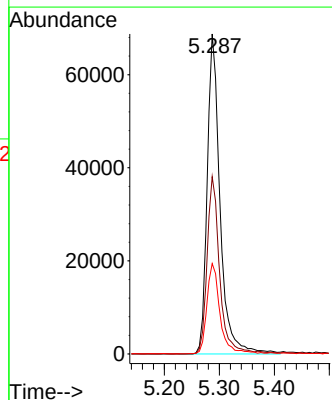
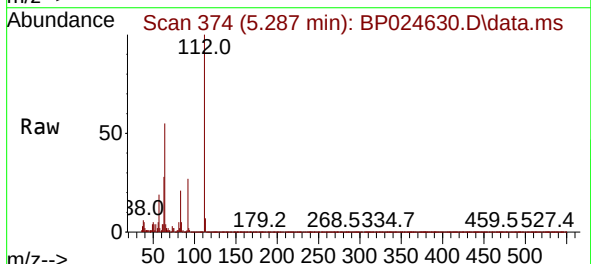
Instrument :
BNA_P
ClientSampleId :
HW0425-PT-BNA-SOILDL

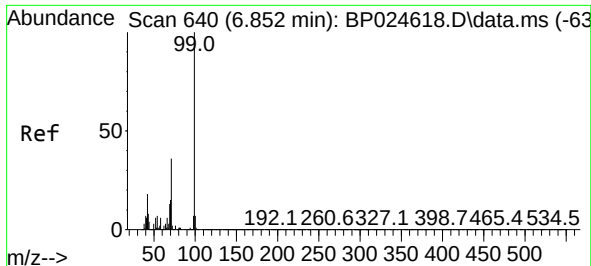
Tgt Ion:152 Resp: 126505
Ion Ratio Lower Upper
152 100
150 154.4 125.9 188.9
115 61.2 50.1 75.1



#5
2-Fluorophenol
Concen: 15.083 ng
RT: 5.287 min Scan# 374
Delta R.T. 0.000 min
Lab File: BP024630.D
Acq: 14 May 2025 17:56

Tgt Ion:112 Resp: 111558
Ion Ratio Lower Upper
112 100
64 55.4 44.1 66.1
63 28.2 23.5 35.3





#7

Phenol-d6

Concen: 15.523 ng

RT: 6.852 min Scan# 640

Delta R.T. -0.000 min

Lab File: BP024630.D

Acq: 14 May 2025 17:56

Instrument :

BNA_P

ClientSampleId :

HW0425-PT-BNA-SOILD

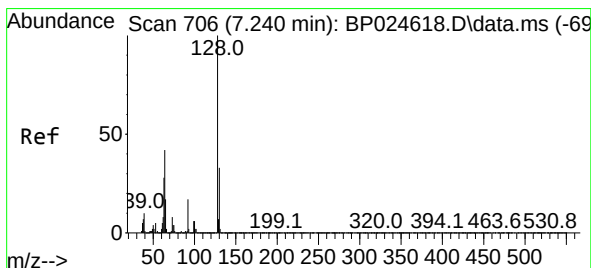
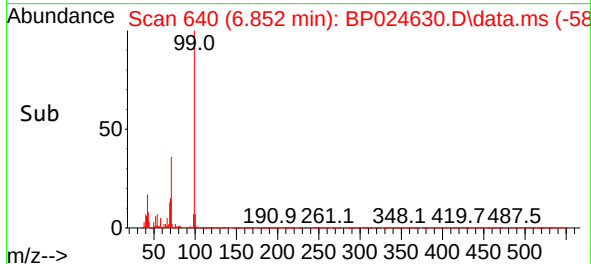
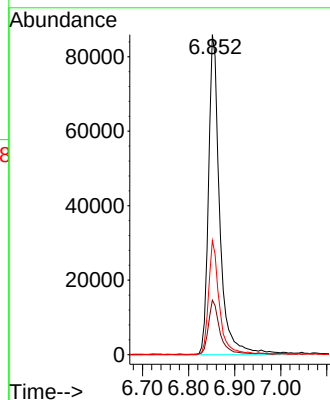
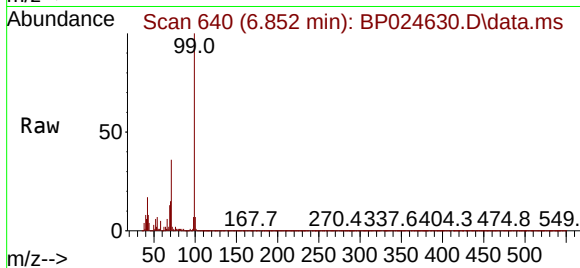
Tgt Ion: 99 Resp: 146537

Ion Ratio Lower Upper

99 100

42 17.1 14.4 21.6

71 35.6 29.2 43.8



#8

2-Chlorophenol

Concen: 11.469 ng

RT: 7.240 min Scan# 706

Delta R.T. -0.000 min

Lab File: BP024630.D

Acq: 14 May 2025 17:56

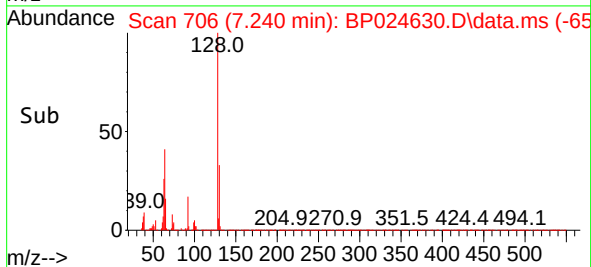
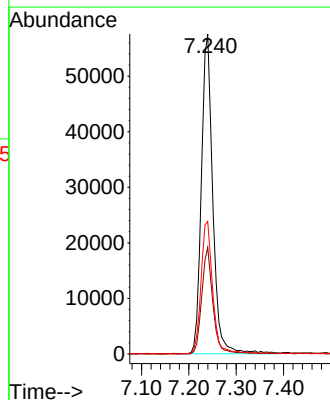
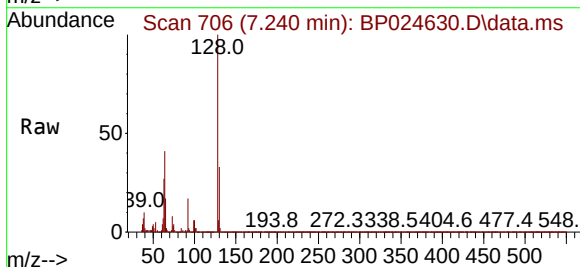
Tgt Ion: 128 Resp: 96299

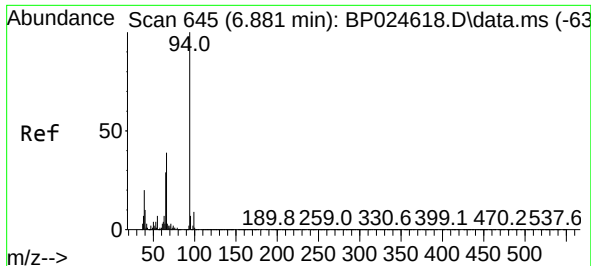
Ion Ratio Lower Upper

128 100

130 33.3 13.0 53.0

64 41.4 22.3 62.3

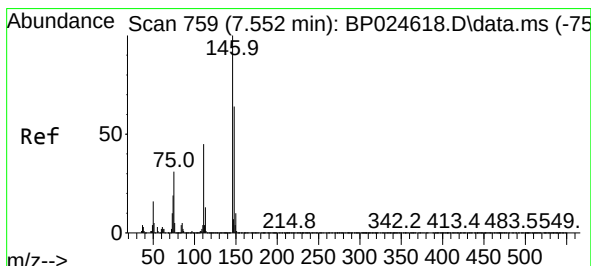
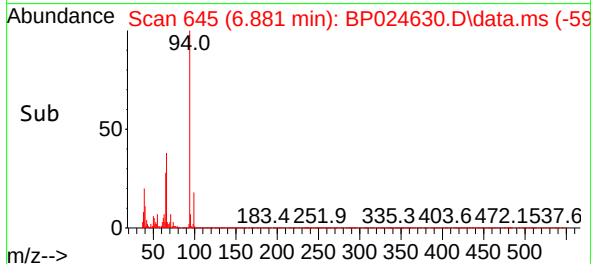
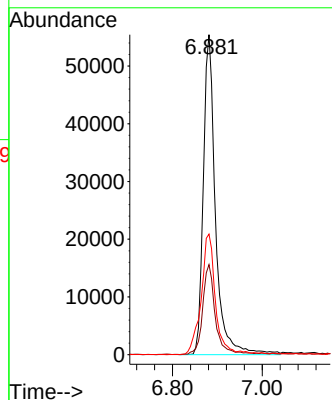
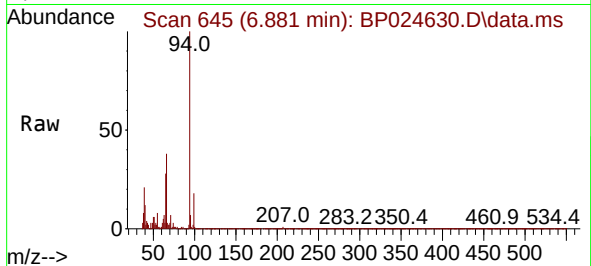




#10
Phenol
Concen: 10.713 ng
RT: 6.881 min Scan# 64
Delta R.T. 0.000 min
Lab File: BP024630.D
Acq: 14 May 2025 17:56

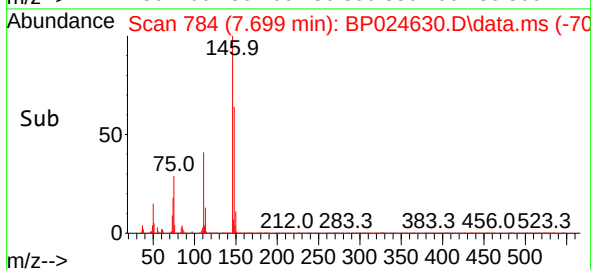
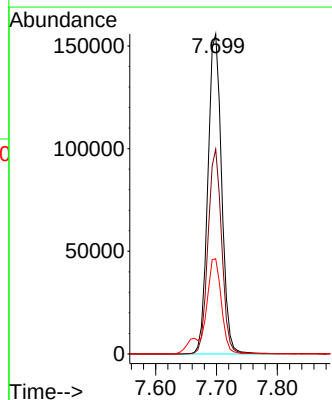
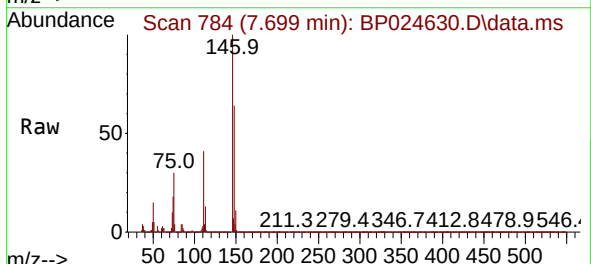
Instrument :
BNA_P
ClientSampleId :
HW0425-PT-BNA-SOILD

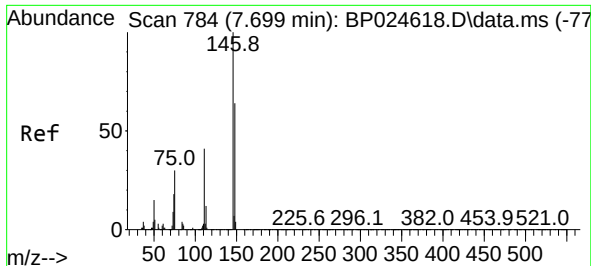
Tgt Ion: 94 Resp: 104379
Ion Ratio Lower Upper
94 100
65 28.1 8.7 48.7
66 37.7 19.4 59.4



#12
1,3-Dichlorobenzene
Concen: 25.374 ng
RT: 7.699 min Scan# 784
Delta R.T. 0.147 min
Lab File: BP024630.D
Acq: 14 May 2025 17:56

Tgt Ion:146 Resp: 245114
Ion Ratio Lower Upper
146 100
148 64.0 51.4 77.2
75 29.8 25.2 37.8

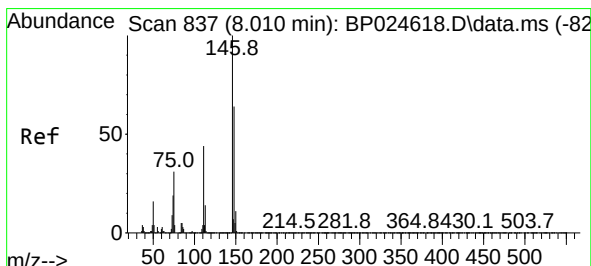
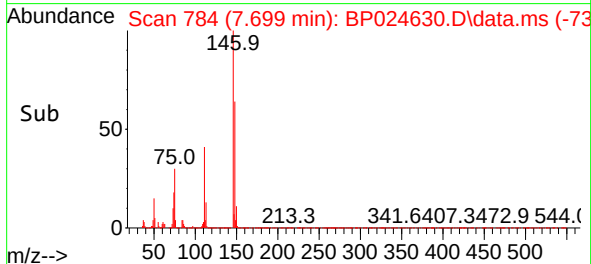
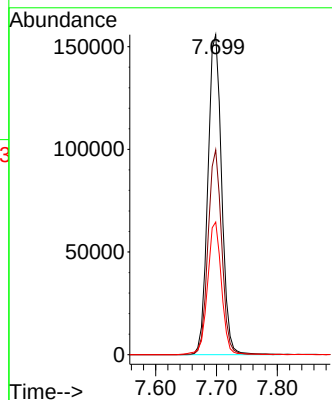
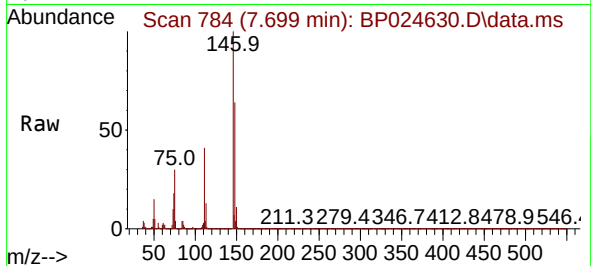




#13
1,4-Dichlorobenzene
Concen: 25.228 ng
RT: 7.699 min Scan# 784
Delta R.T. -0.000 min
Lab File: BP024630.D
Acq: 14 May 2025 17:56

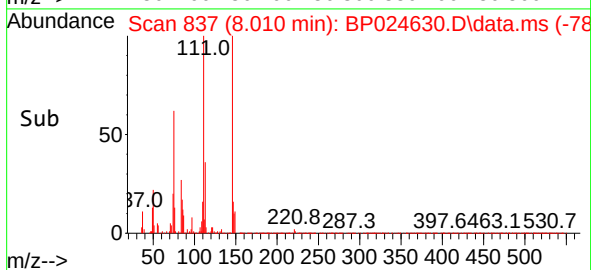
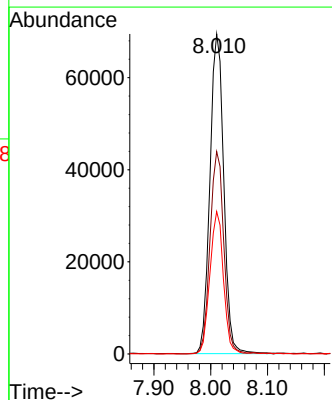
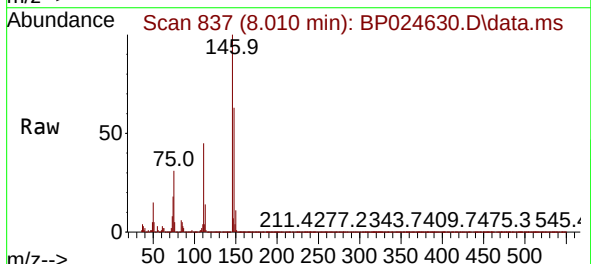
Instrument :
BNA_P
ClientSampleId :
HW0425-PT-BNA-SOILDL

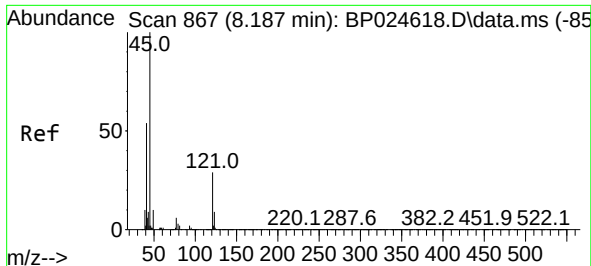
Tgt Ion:146 Resp: 245114
Ion Ratio Lower Upper
146 100
148 64.0 51.0 76.6
111 41.4 33.0 49.6



#14
1,2-Dichlorobenzene
Concen: 12.355 ng
RT: 8.010 min Scan# 837
Delta R.T. -0.000 min
Lab File: BP024630.D
Acq: 14 May 2025 17:56

Tgt Ion:146 Resp: 116971
Ion Ratio Lower Upper
146 100
148 63.2 51.0 76.4
111 44.5 35.2 52.8

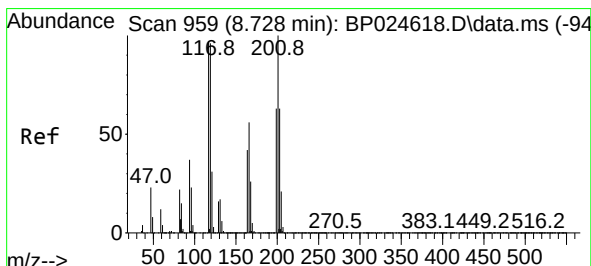
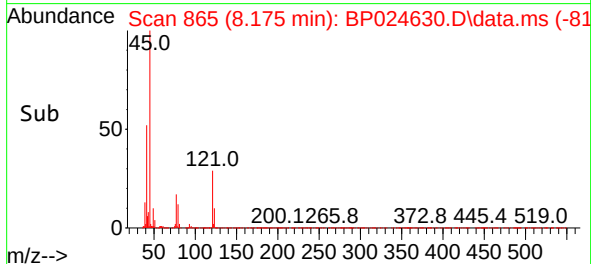
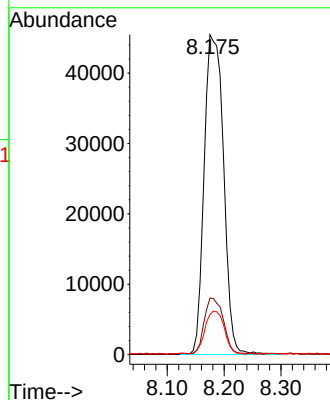
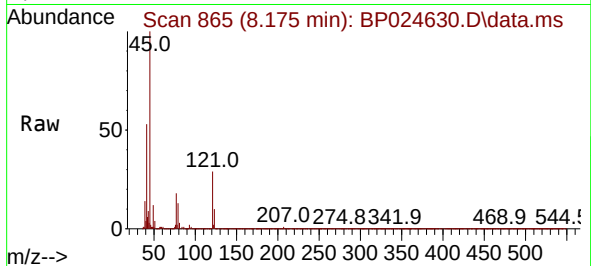




#16
2,2'-oxybis(1-Chloropropane)
Concen: 11.215 ng
RT: 8.175 min Scan# 865
Delta R.T. -0.012 min
Lab File: BP024630.D
Acq: 14 May 2025 17:56

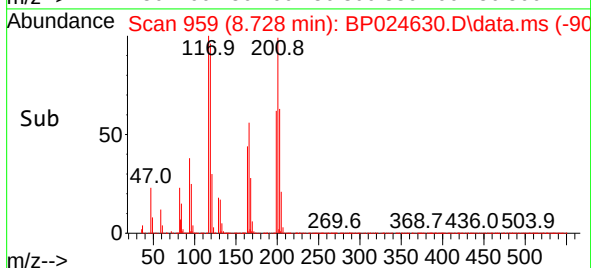
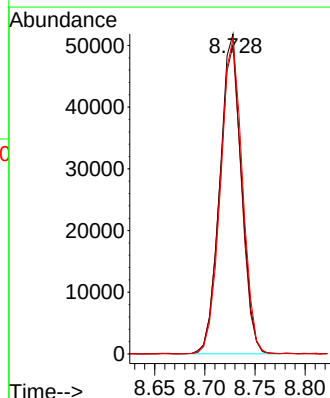
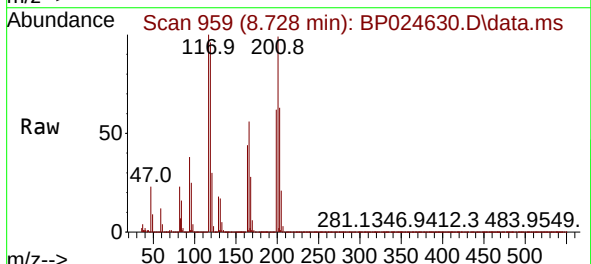
Instrument :
BNA_P
ClientSampleId :
HW0425-PT-BNA-SOILD

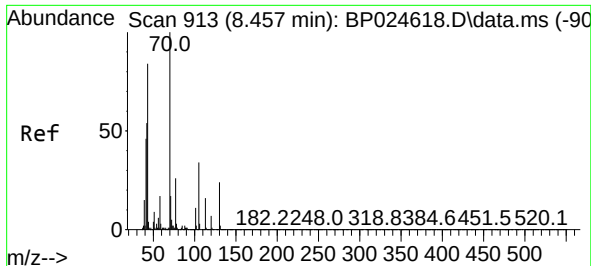
Tgt Ion: 45 Resp: 107528
Ion Ratio Lower Upper
45 100
77 17.7 0.0 37.7
79 12.5 0.0 34.0



#18
Hexachloroethane
Concen: 20.912 ng
RT: 8.728 min Scan# 959
Delta R.T. 0.000 min
Lab File: BP024630.D
Acq: 14 May 2025 17:56

Tgt Ion: 117 Resp: 77858
Ion Ratio Lower Upper
117 100
119 96.4 79.4 119.0
201 98.5 82.7 124.1



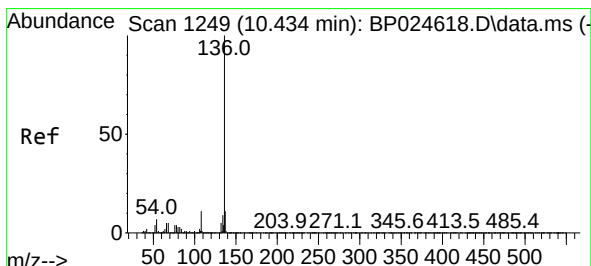
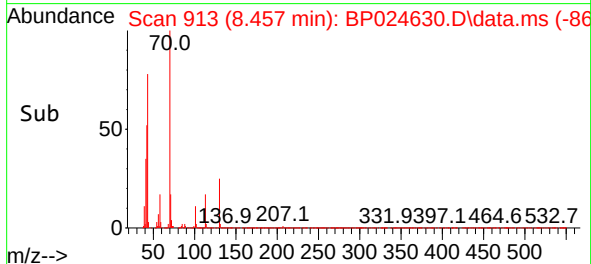
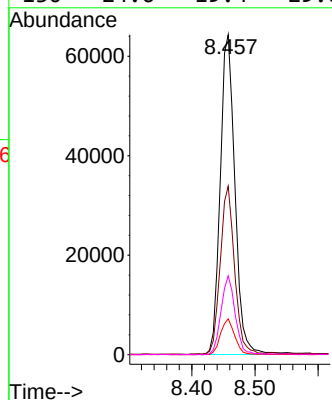
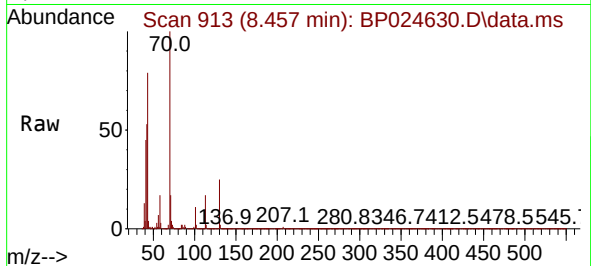


#19
n-Nitroso-di-n-propylamine
Concen: 15.920 ng
RT: 8.457 min Scan# 913
Delta R.T. -0.000 min
Lab File: BP024630.D
Acq: 14 May 2025 17:56

Instrument :
BNA_P
ClientSampleId :
HW0425-PT-BNA-SOILD

Tgt Ion: 70 Resp: 103952

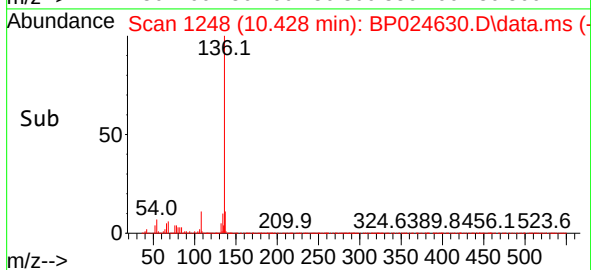
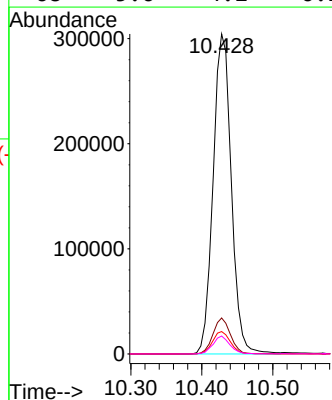
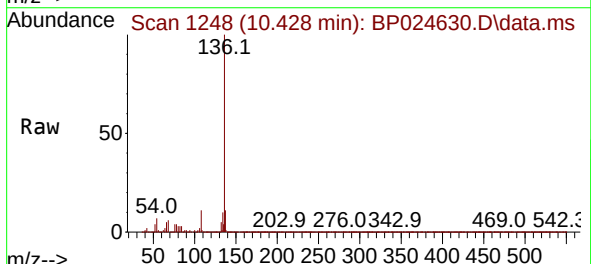
Ion	Ratio	Lower	Upper
70	100		
42	52.7	43.0	64.6
101	11.2	8.7	13.1
130	24.6	19.4	29.0

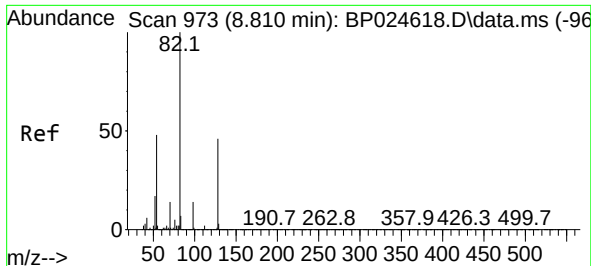


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.428 min Scan# 1248
Delta R.T. -0.006 min
Lab File: BP024630.D
Acq: 14 May 2025 17:56

Tgt Ion: 136 Resp: 541006

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	7.0	5.5	8.3
68	5.6	4.2	6.2

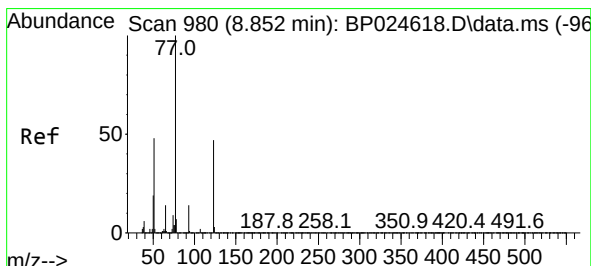
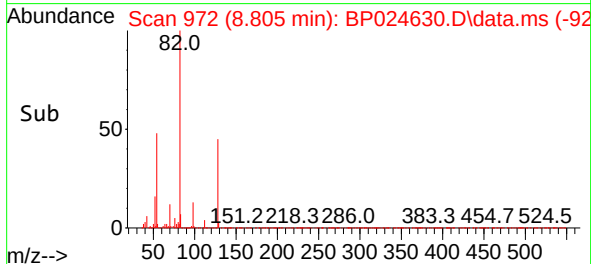
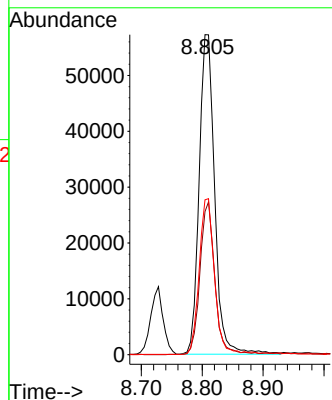
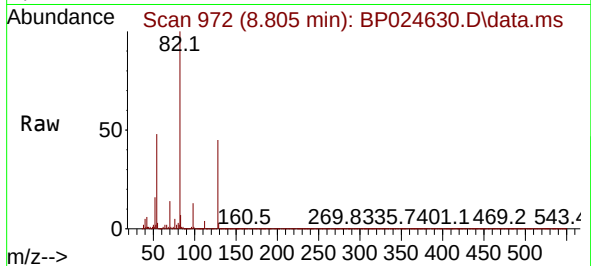




#23
Nitrobenzene-d5
Concen: 9.462 ng
RT: 8.805 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP024630.D
Acq: 14 May 2025 17:56

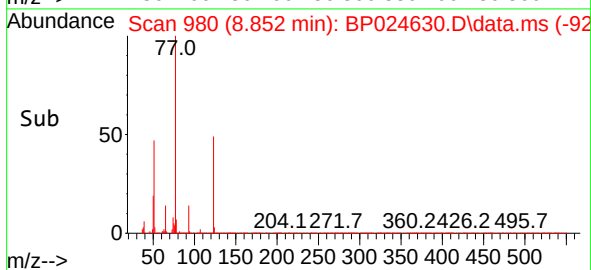
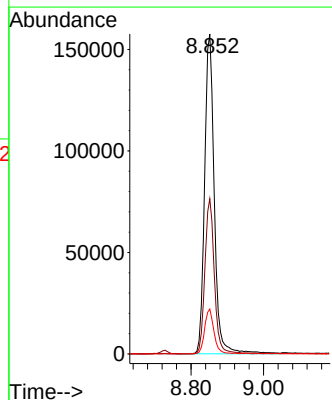
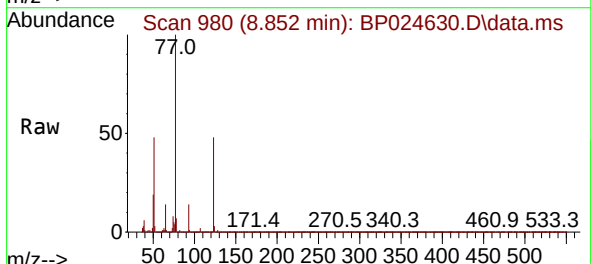
Instrument :
BNA_P
ClientSampleId :
HW0425-PT-BNA-SOILD

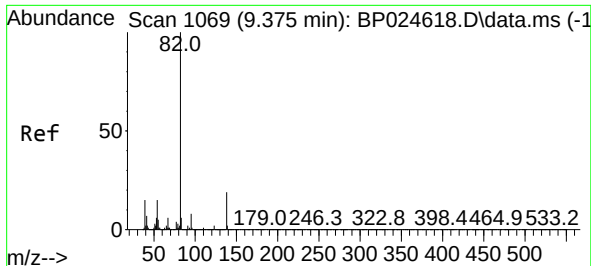
Tgt Ion: 82 Resp: 101308
Ion Ratio Lower Upper
82 100
128 44.7 37.0 55.4
54 48.4 38.7 58.1



#24
Nitrobenzene
Concen: 31.040 ng
RT: 8.852 min Scan# 980
Delta R.T. 0.000 min
Lab File: BP024630.D
Acq: 14 May 2025 17:56

Tgt Ion: 77 Resp: 292484
Ion Ratio Lower Upper
77 100
123 48.5 37.4 56.0
65 14.0 11.3 16.9

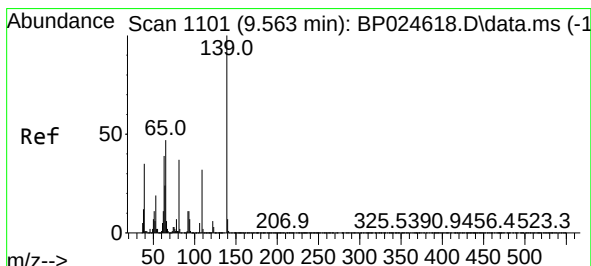
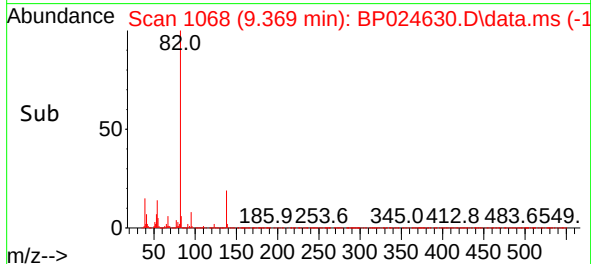
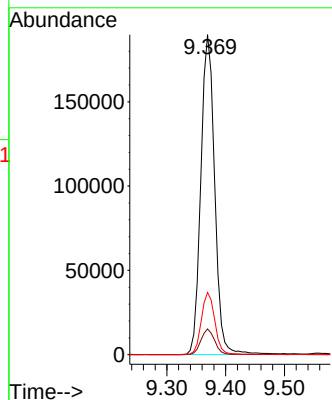
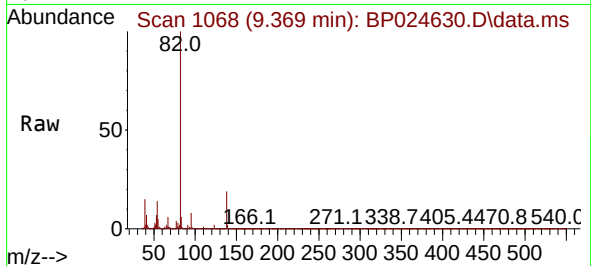




#25
Isophorone
Concen: 16.719 ng
RT: 9.369 min Scan# 1105
Delta R.T. -0.006 min
Lab File: BP024630.D
Acq: 14 May 2025 17:56

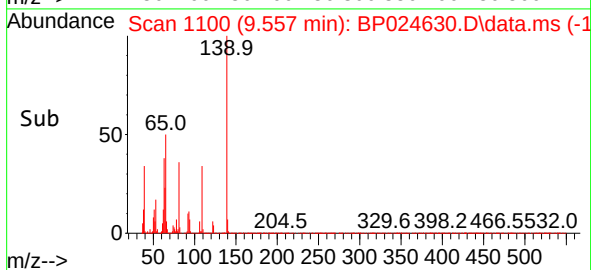
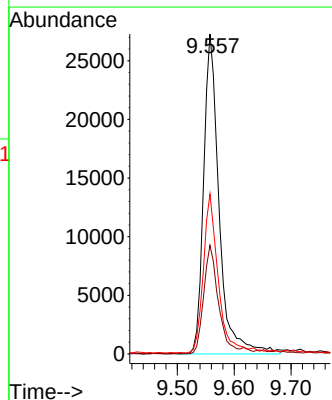
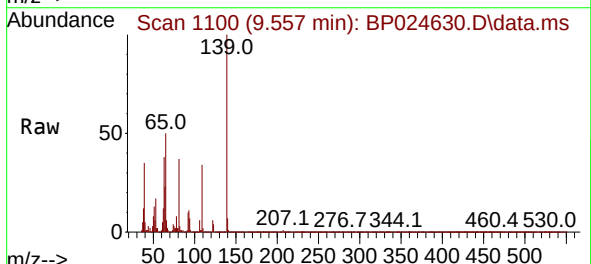
Instrument :
BNA_P
ClientSampleId :
HW0425-PT-BNA-SOILD

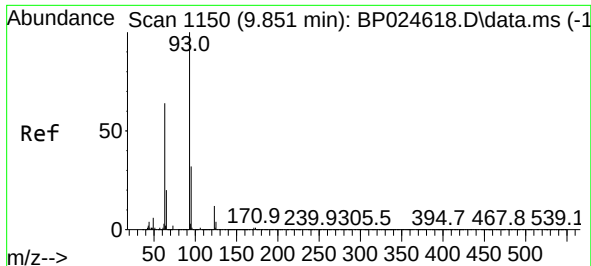
Tgt Ion: 82 Resp: 310519
Ion Ratio Lower Upper
82 100
95 8.0 6.3 9.5
138 19.5 15.3 22.9



#26
2-Nitrophenol
Concen: 11.179 ng
RT: 9.557 min Scan# 1100
Delta R.T. -0.006 min
Lab File: BP024630.D
Acq: 14 May 2025 17:56

Tgt Ion: 139 Resp: 51616
Ion Ratio Lower Upper
139 100
109 33.9 25.9 38.9
65 50.0 37.9 56.9

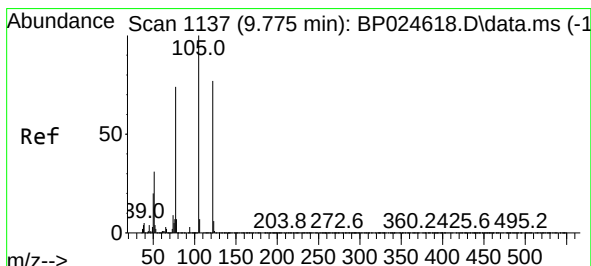
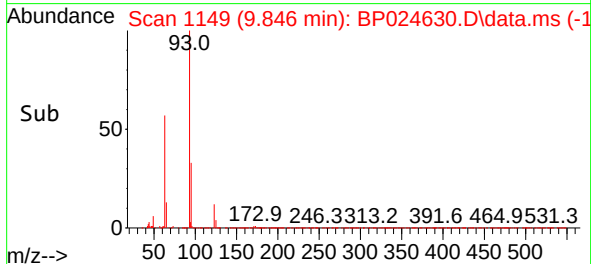
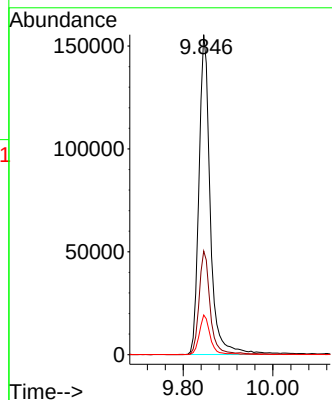
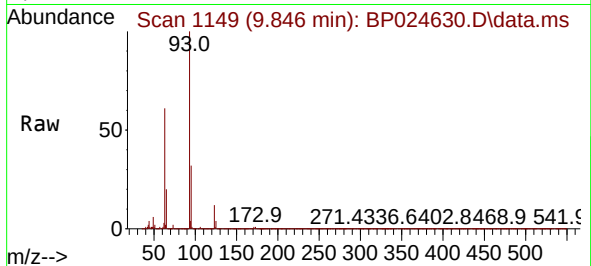




#28
bis(2-Chloroethoxy)methane
Concen: 24.500 ng
RT: 9.846 min Scan# 1150
Delta R.T. -0.006 min
Lab File: BP024630.D
Acq: 14 May 2025 17:56

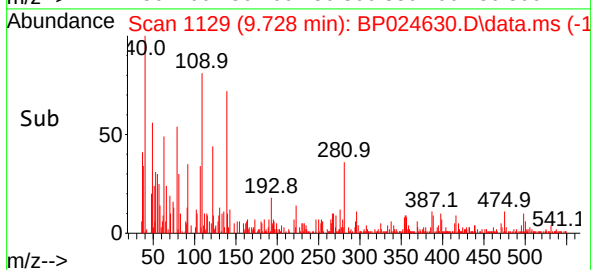
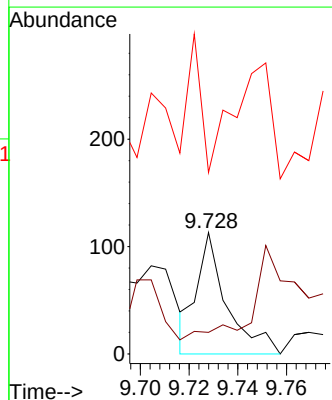
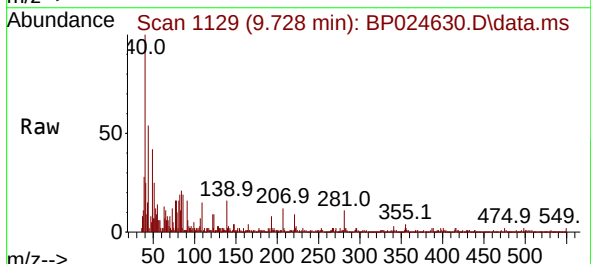
Instrument :
BNA_P
ClientSampleId :
HW0425-PT-BNA-SOILD

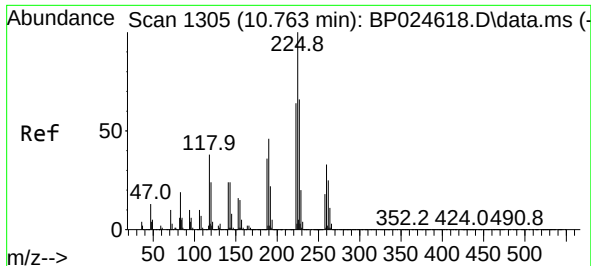
Tgt Ion: 93 Resp: 271860
Ion Ratio Lower Upper
93 100
95 32.4 25.5 38.3
123 12.4 9.7 14.5



#32
Benzoic acid
Concen: 7.483 ng
RT: 9.728 min Scan# 1129
Delta R.T. -0.047 min
Lab File: BP024630.D
Acq: 14 May 2025 17:56

Tgt Ion:122 Resp: 97
Ion Ratio Lower Upper
122 100
105 17.7 106.9 146.9#
77 149.6 75.1 115.1#

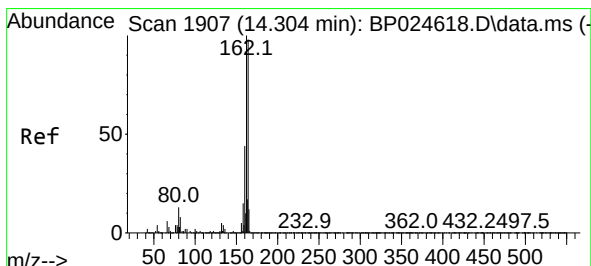
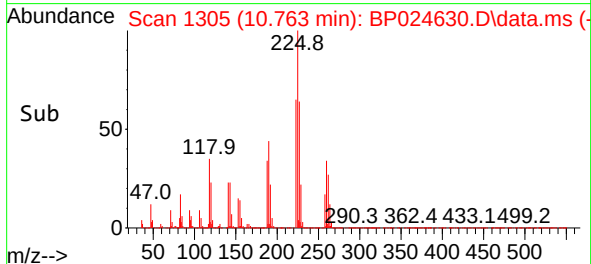
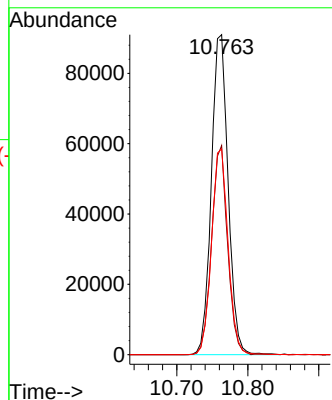
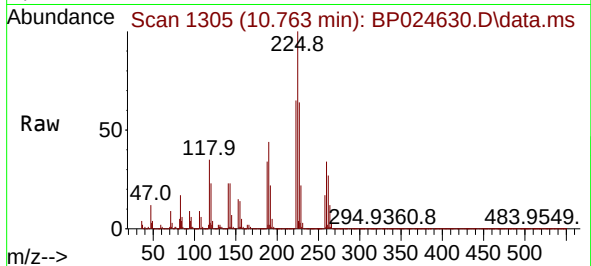




#34
Hexachlorobutadiene
Concen: 25.868 ng
RT: 10.763 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024630.D
Acq: 14 May 2025 17:56

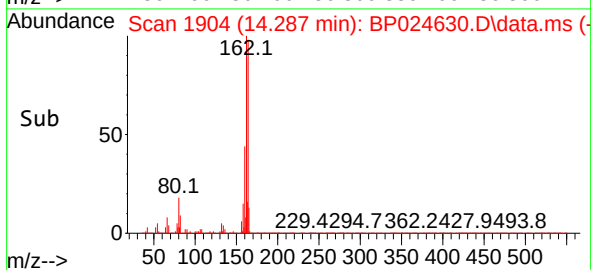
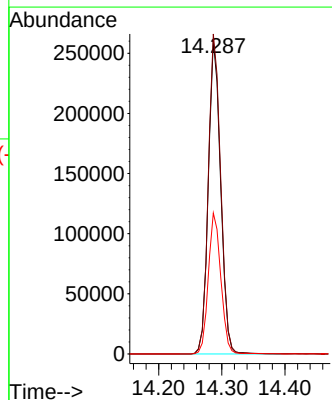
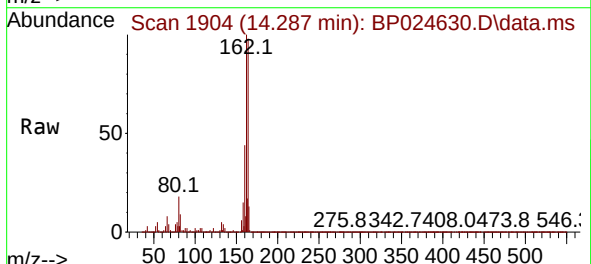
Instrument :
BNA_P
ClientSampleId :
HW0425-PT-BNA-SOILD

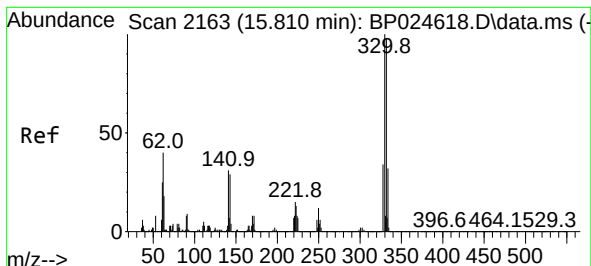
Tgt Ion:225 Resp: 148968
Ion Ratio Lower Upper
225 100
223 65.4 51.0 76.6
227 64.3 53.1 79.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.287 min Scan# 1904
Delta R.T. -0.018 min
Lab File: BP024630.D
Acq: 14 May 2025 17:56

Tgt Ion:164 Resp: 352192
Ion Ratio Lower Upper
164 100
162 102.2 81.8 122.6
160 45.0 36.3 54.5





#42

2,4,6-Tribromophenol

Concen: 17.265 ng

RT: 15.810 min Scan# 2163

Delta R.T. -0.000 min

Lab File: BP024630.D

Acq: 14 May 2025 17:56

Instrument :

BNA_P

ClientSampleId :

HW0425-PT-BNA-SOILDL

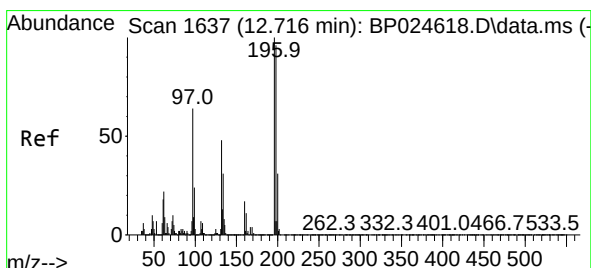
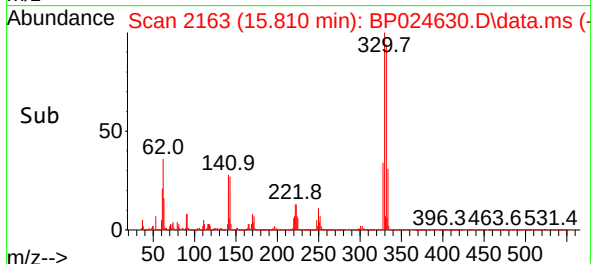
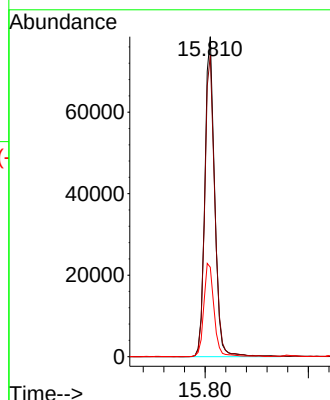
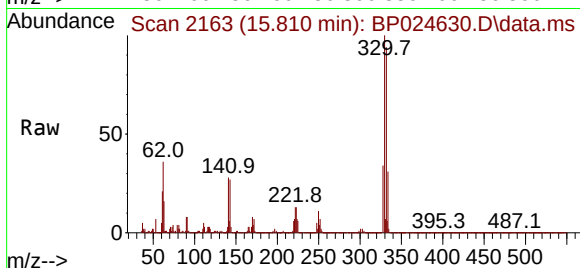
Tgt Ion:330 Resp: 103081

Ion Ratio Lower Upper

330 100

332 96.5 78.2 117.4

141 30.6 24.3 36.5



#43

2,4,6-Trichlorophenol

Concen: 20.810 ng

RT: 12.710 min Scan# 1636

Delta R.T. -0.006 min

Lab File: BP024630.D

Acq: 14 May 2025 17:56

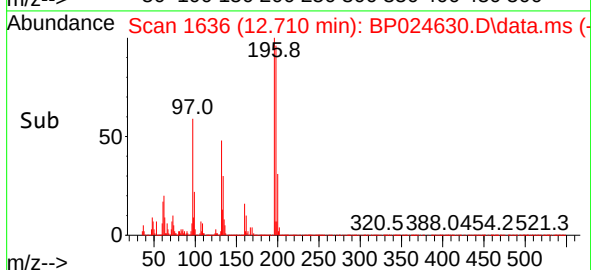
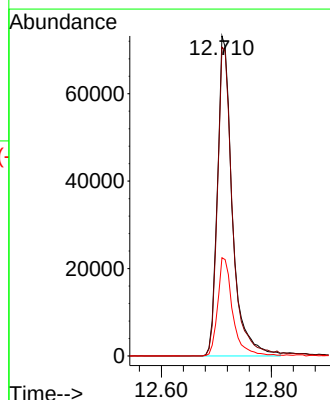
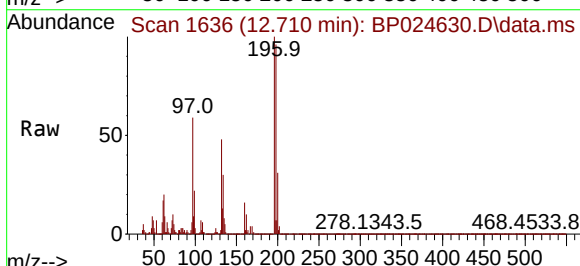
Tgt Ion:196 Resp: 137853

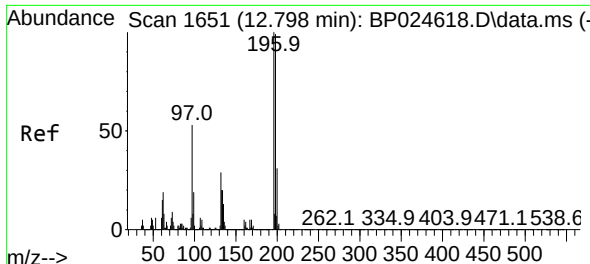
Ion Ratio Lower Upper

196 100

198 96.5 76.9 115.3

200 30.7 25.2 37.8

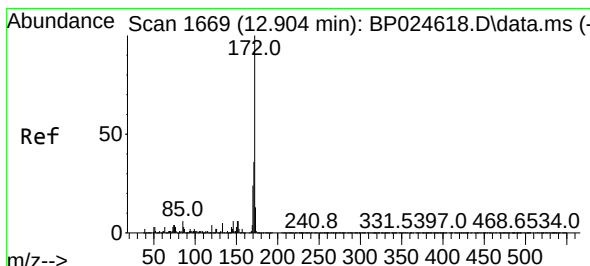
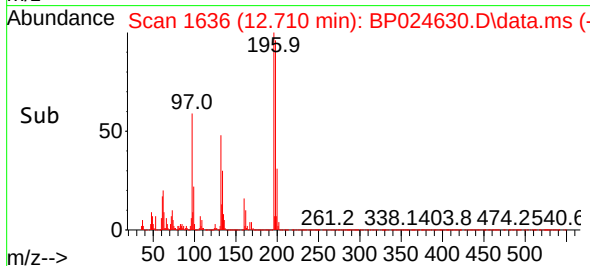
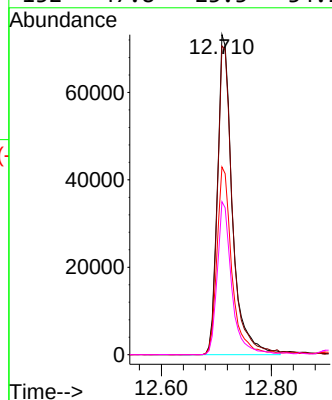
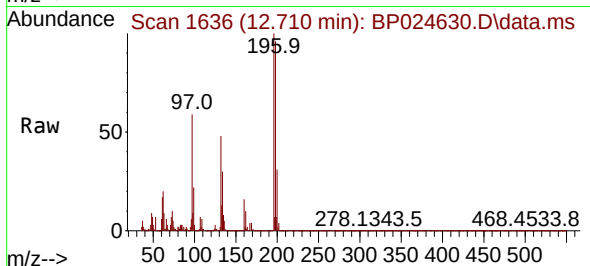




#44
2,4,5-Trichlorophenol
Concen: 18.695 ng
RT: 12.710 min Scan# 1636
Delta R.T. -0.088 min
Lab File: BP024630.D
Acq: 14 May 2025 17:56

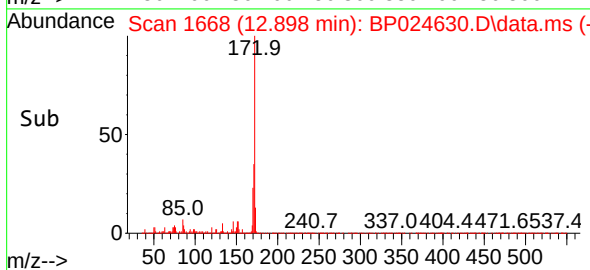
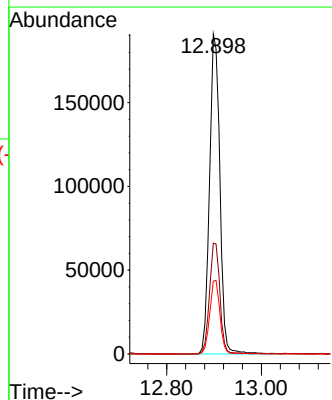
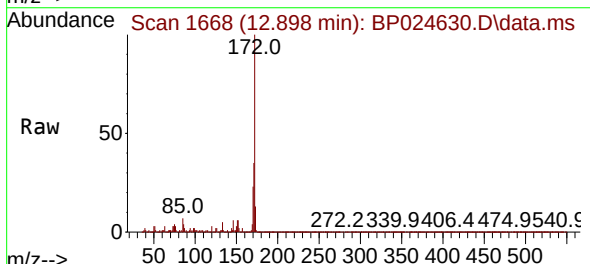
Instrument :
BNA_P
ClientSampleId :
HW0425-PT-BNA-SOILD

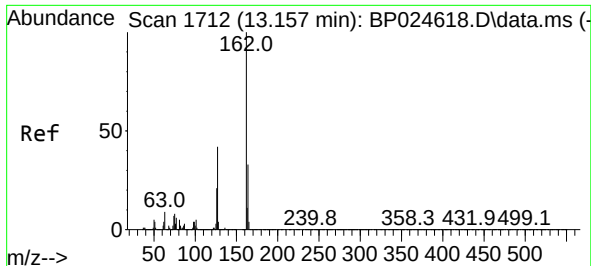
Tgt Ion:	196	Resp:	137853
Ion Ratio	Lower	Upper	
196	100		
198	96.5	79.2	118.8
97	58.6	42.3	63.5
132	47.8	23.3	34.9



#45
2-Fluorobiphenyl
Concen: 10.752 ng
RT: 12.898 min Scan# 1668
Delta R.T. -0.006 min
Lab File: BP024630.D
Acq: 14 May 2025 17:56

Tgt Ion:	172	Resp:	289050
Ion Ratio	Lower	Upper	
172	100		
171	34.6	28.8	43.2
170	22.7	18.8	28.2

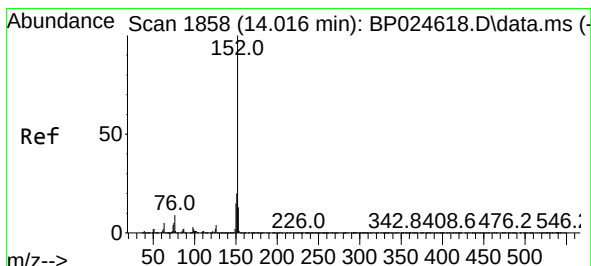
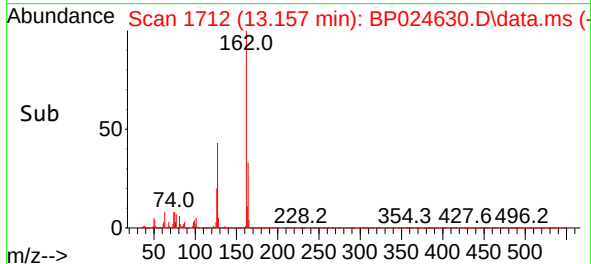
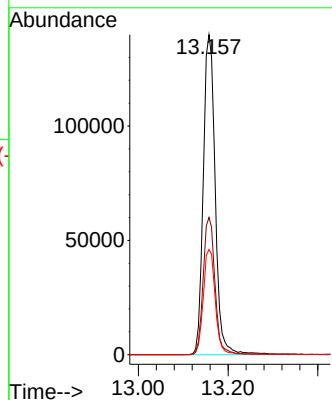
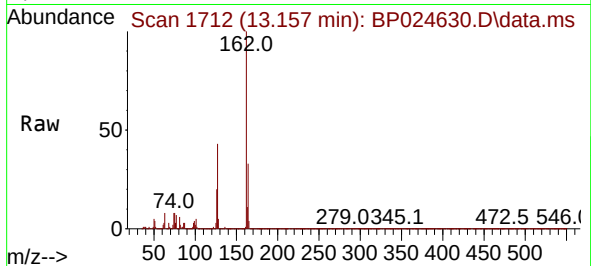




#47
2-Chloronaphthalene
Concen: 13.017 ng
RT: 13.157 min Scan# 1712
Delta R.T. -0.000 min
Lab File: BP024630.D
Acq: 14 May 2025 17:56

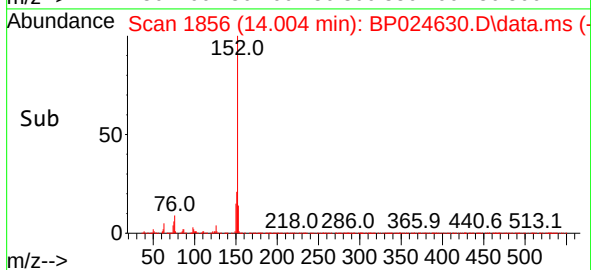
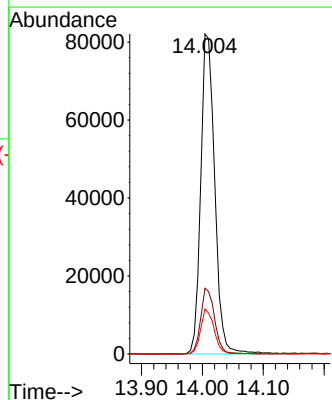
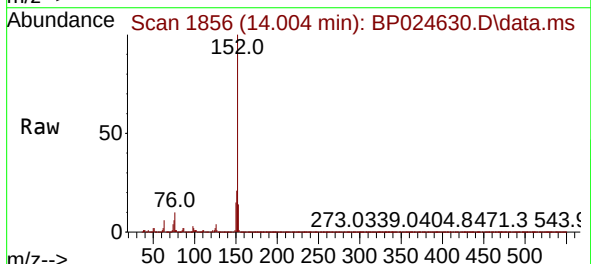
Instrument :
BNA_P
ClientSampleId :
HW0425-PT-BNA-SOILD

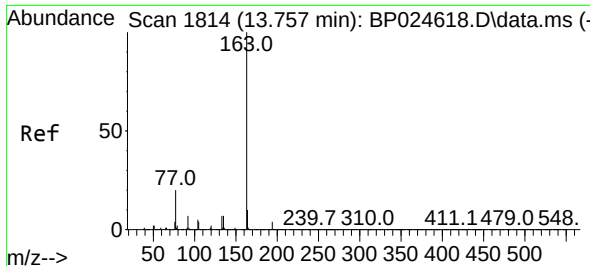
Tgt Ion:162 Resp: 258365
Ion Ratio Lower Upper
162 100
127 42.9 33.8 50.6
164 32.8 26.0 39.0



#49
Acenaphthylene
Concen: 3.935 ng
RT: 14.004 min Scan# 1856
Delta R.T. -0.012 min
Lab File: BP024630.D
Acq: 14 May 2025 17:56

Tgt Ion:152 Resp: 130705
Ion Ratio Lower Upper
152 100
151 20.6 16.2 24.4
153 14.0 10.2 15.4

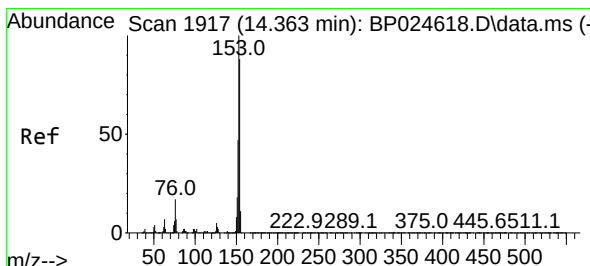
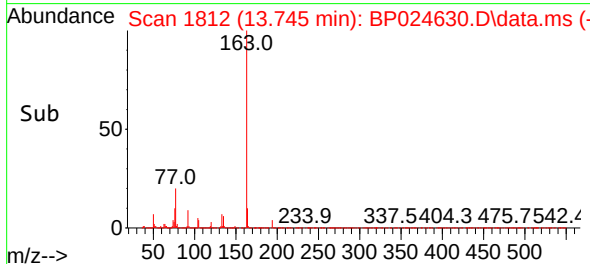
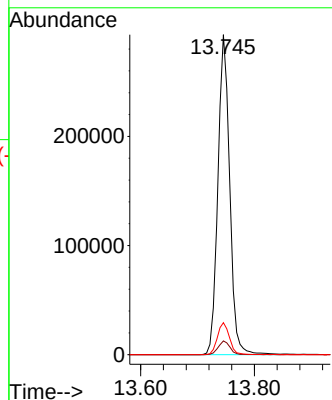
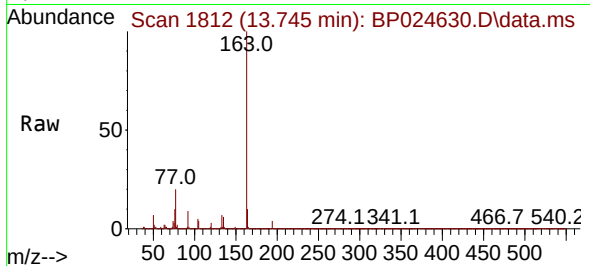




#50
Dimethylphthalate
Concen: 15.724 ng
RT: 13.745 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BP024630.D
Acq: 14 May 2025 17:56

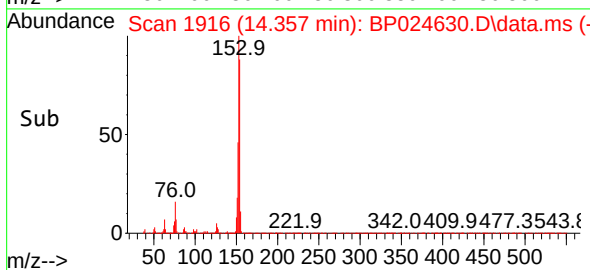
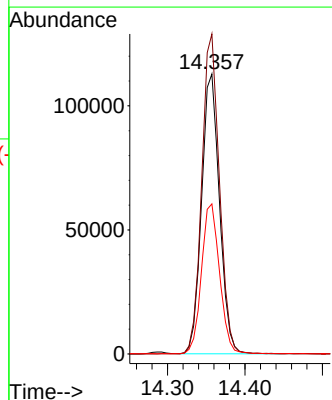
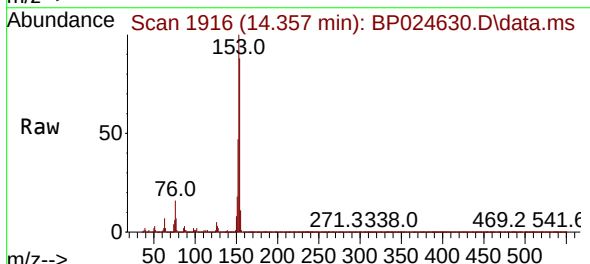
Instrument :
BNA_P
ClientSampleId :
HW0425-PT-BNA-SOILDL

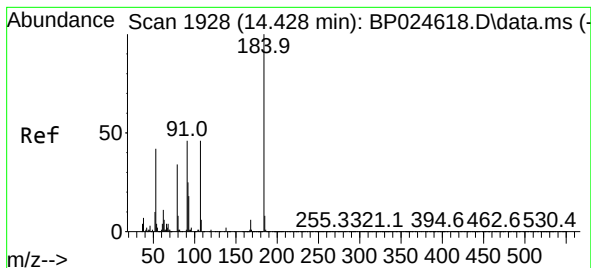
Tgt Ion:163 Resp: 422091
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.0
164 10.0 8.1 12.1



#52
Acenaphthene
Concen: 9.473 ng
RT: 14.357 min Scan# 1916
Delta R.T. -0.006 min
Lab File: BP024630.D
Acq: 14 May 2025 17:56

Tgt Ion:154 Resp: 180889
Ion Ratio Lower Upper
154 100
153 114.3 91.0 136.4
152 53.6 42.9 64.3

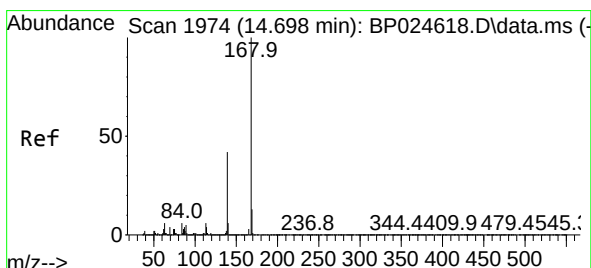
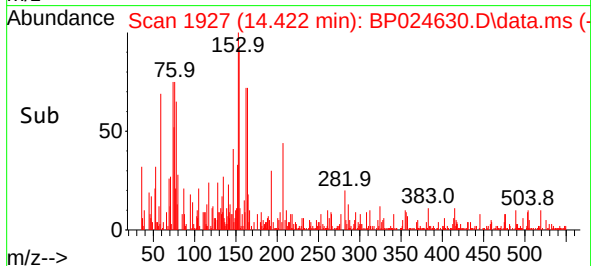
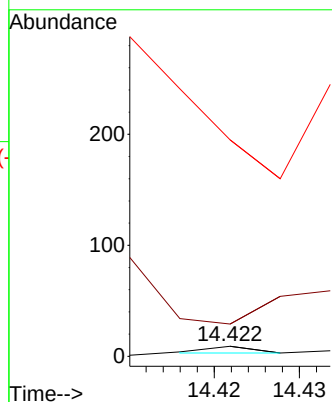
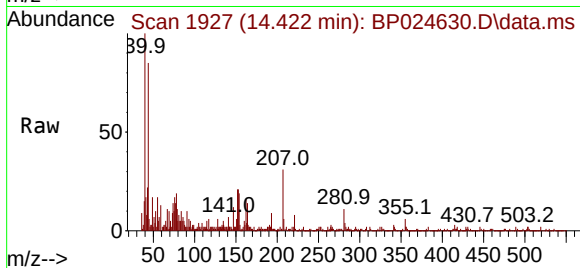




#54
2,4-Dinitrophenol
Concen: 6.402 ng
RT: 14.422 min Scan# 1928
Delta R.T. -0.006 min
Lab File: BP024630.D
Acq: 14 May 2025 17:56

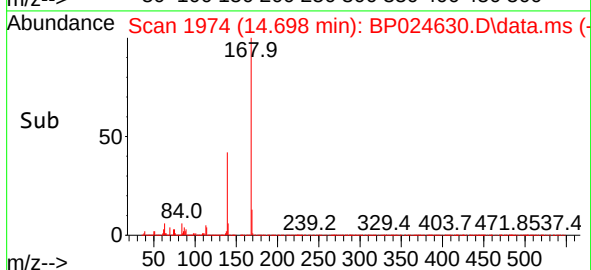
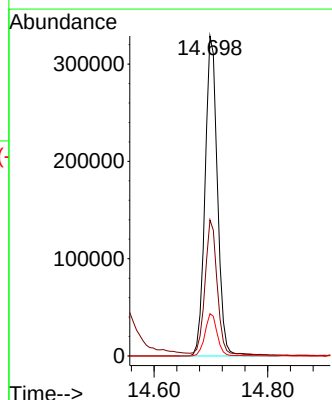
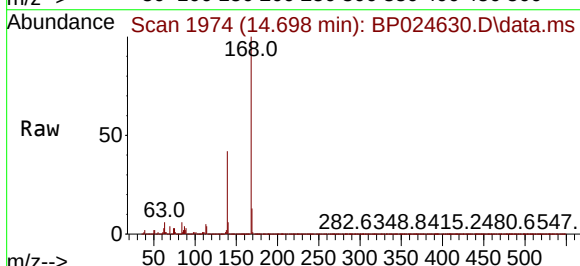
Instrument :
BNA_P
ClientSampleId :
HW0425-PT-BNA-SOILD

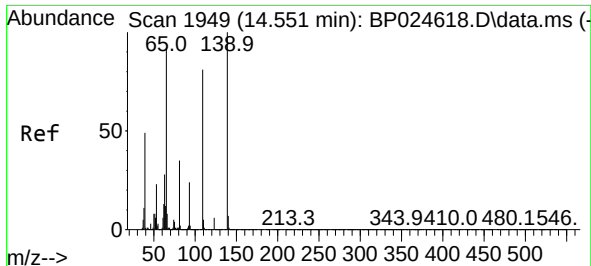
Tgt Ion:184 Resp: 2
Ion Ratio Lower Upper
184 100
63 322.2 51.3 76.9#
154 2166.7 53.5 80.3#



#55
Dibenzofuran
Concen: 16.317 ng
RT: 14.698 min Scan# 1974
Delta R.T. 0.000 min
Lab File: BP024630.D
Acq: 14 May 2025 17:56

Tgt Ion:168 Resp: 496959
Ion Ratio Lower Upper
168 100
139 42.5 34.2 51.4
169 13.2 10.8 16.2

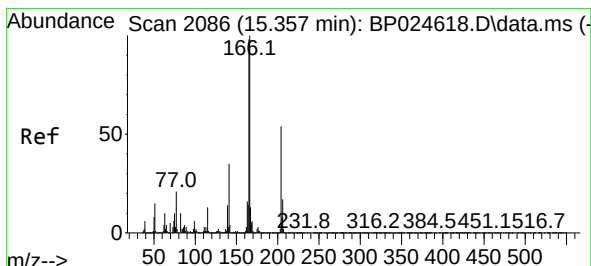
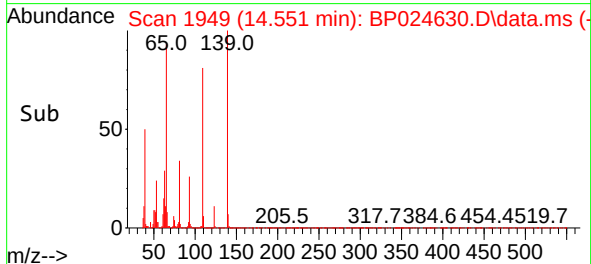
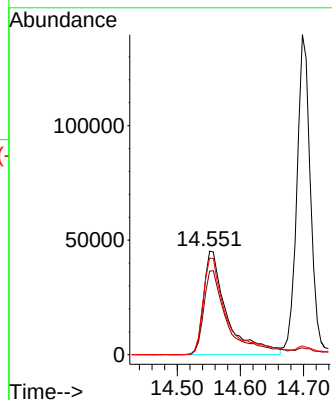
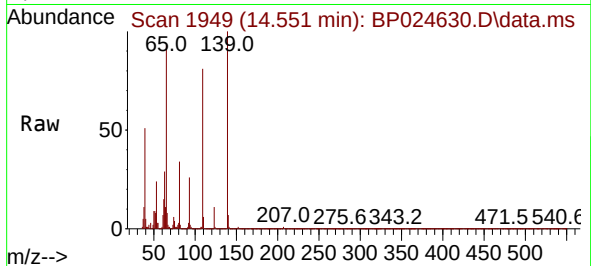




#56
4-Nitrophenol
Concen: 26.181 ng
RT: 14.551 min Scan# 1949
Delta R.T. 0.000 min
Lab File: BP024630.D
Acq: 14 May 2025 17:56

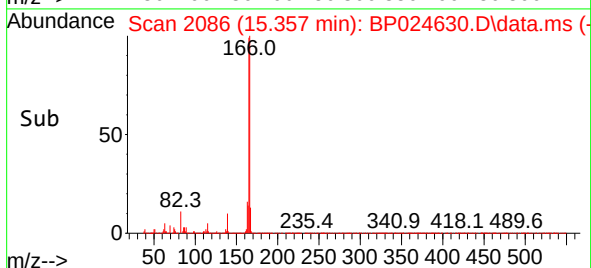
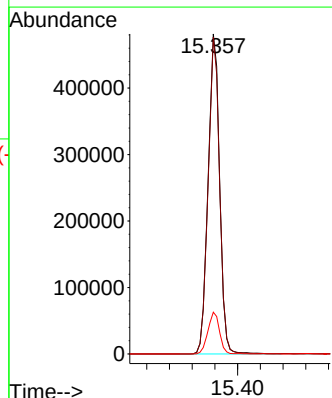
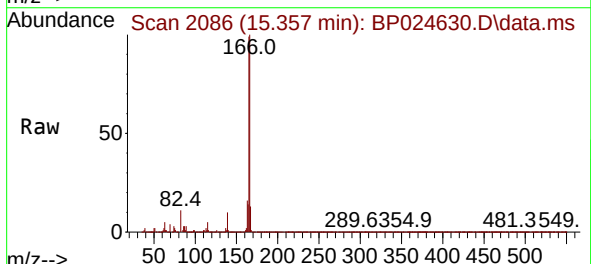
Instrument :
BNA_P
ClientSampleId :
HW0425-PT-BNA-SOILD

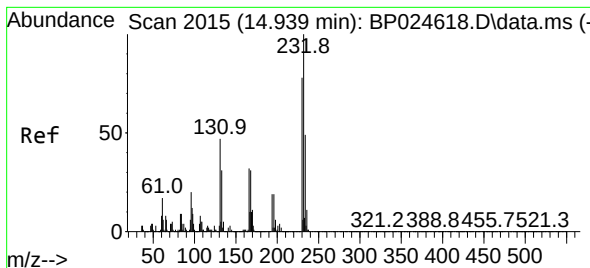
Tgt Ion:139 Resp: 116135
Ion Ratio Lower Upper
139 100
109 80.6 61.4 101.4
65 93.1 72.2 112.2



#58
Fluorene
Concen: 27.121 ng
RT: 15.357 min Scan# 2086
Delta R.T. -0.000 min
Lab File: BP024630.D
Acq: 14 May 2025 17:56

Tgt Ion:166 Resp: 673553
Ion Ratio Lower Upper
166 100
165 99.1 78.5 117.7
167 13.0 10.7 16.1



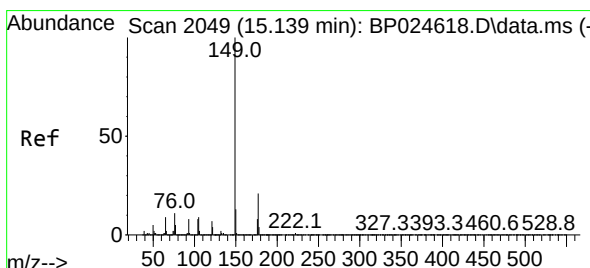
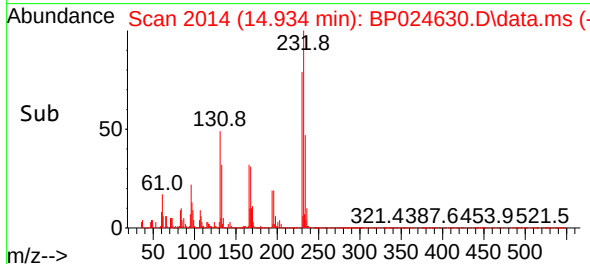
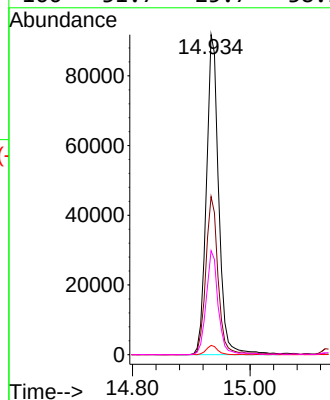
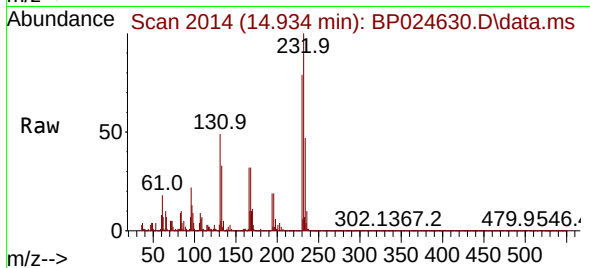


#59
2,3,4,6-Tetrachlorophenol
Concen: 19.480 ng
RT: 14.934 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BP024630.D
Acq: 14 May 2025 17:56

Instrument :
BNA_P
ClientSampleId :
HW0425-PT-BNA-SOILD

Tgt Ion:232 Resp: 133248

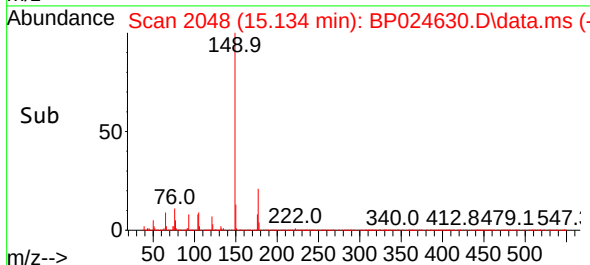
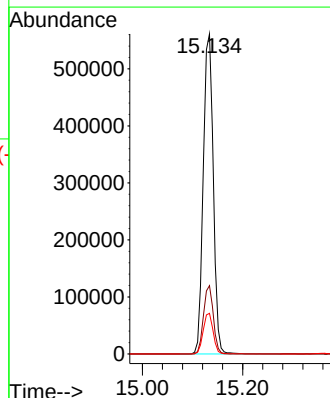
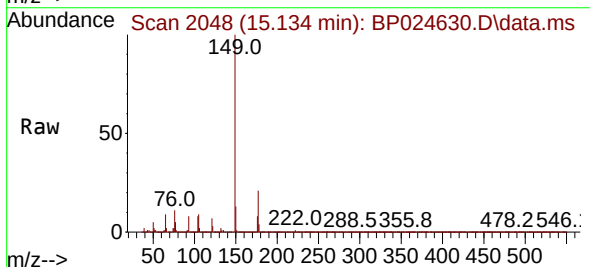
Ion	Ratio	Lower	Upper
232	100		
131	49.6	39.5	59.3
130	2.7	2.2	3.4
166	31.7	25.7	38.5

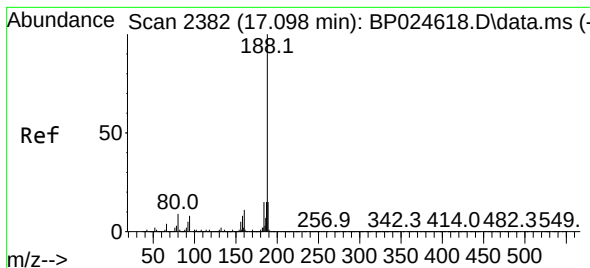


#60
Diethylphthalate
Concen: 28.702 ng
RT: 15.134 min Scan# 2048
Delta R.T. -0.006 min
Lab File: BP024630.D
Acq: 14 May 2025 17:56

Tgt Ion:149 Resp: 778731

Ion	Ratio	Lower	Upper
149	100		
177	21.4	16.7	25.1
150	12.7	10.2	15.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.086 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP024630.D

Acq: 14 May 2025 17:56

Instrument :

BNA_P

ClientSampleId :

HW0425-PT-BNA-SOILDL

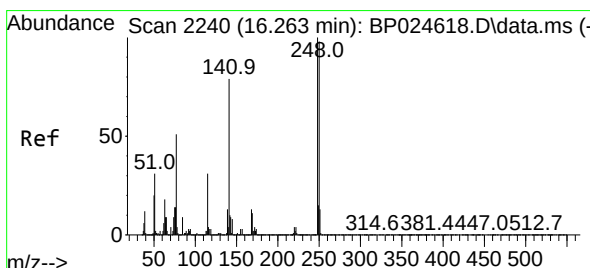
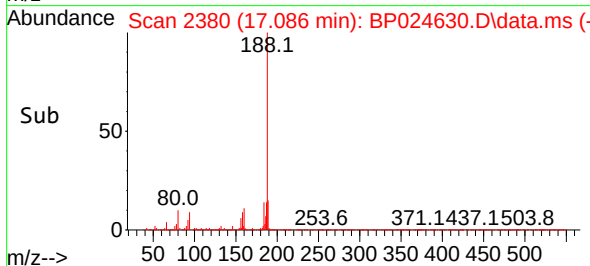
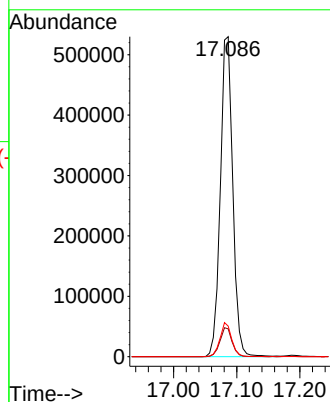
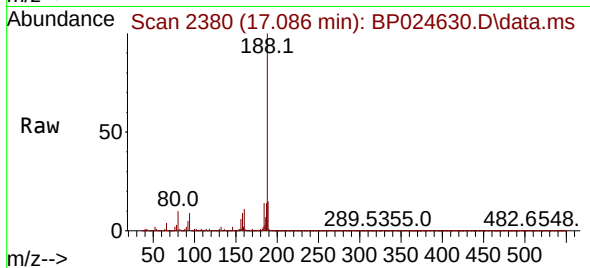
Tgt Ion:188 Resp: 725477

Ion Ratio Lower Upper

188 100

94 8.7 6.5 9.7

80 9.6 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 15.698 ng

RT: 16.263 min Scan# 2240

Delta R.T. -0.000 min

Lab File: BP024630.D

Acq: 14 May 2025 17:56

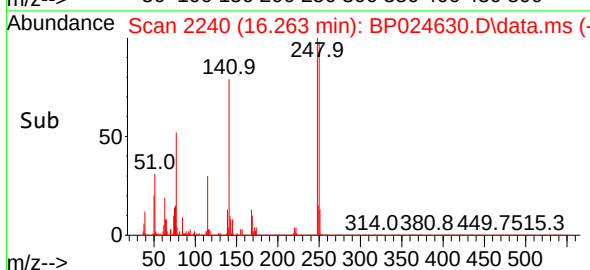
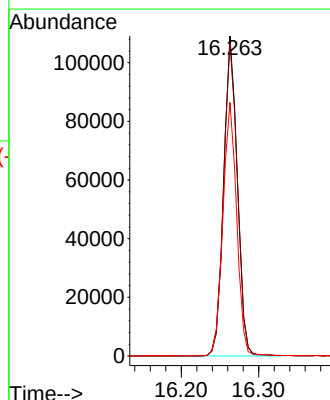
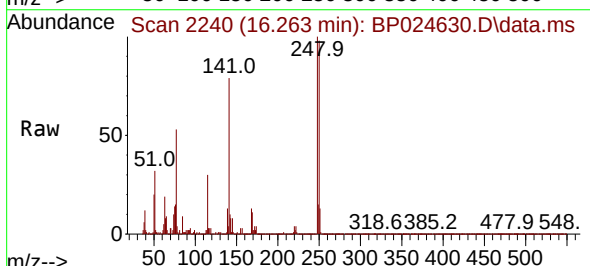
Tgt Ion:248 Resp: 134193

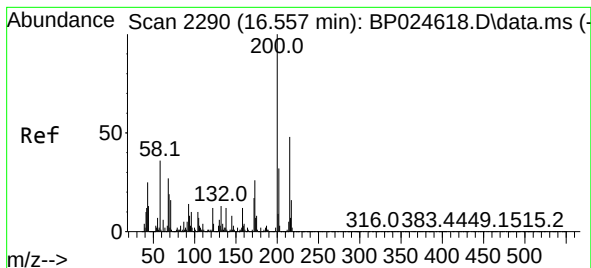
Ion Ratio Lower Upper

248 100

250 97.8 78.2 117.4

141 79.3 63.0 94.6





#69

Atrazine

Concen: 2.339 ng

RT: 16.739 min Scan# 21

Delta R.T. 0.182 min

Lab File: BP024630.D

Acq: 14 May 2025 17:56

Instrument :

BNA_P

ClientSampleId :

HW0425-PT-BNA-SOILD

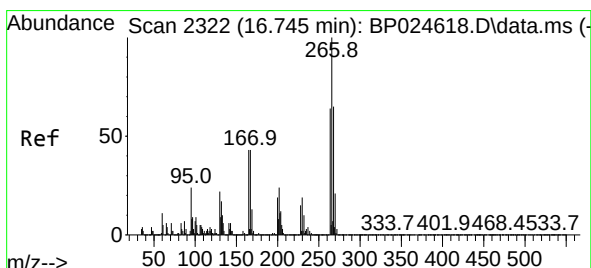
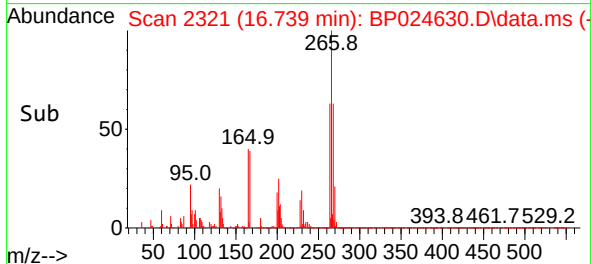
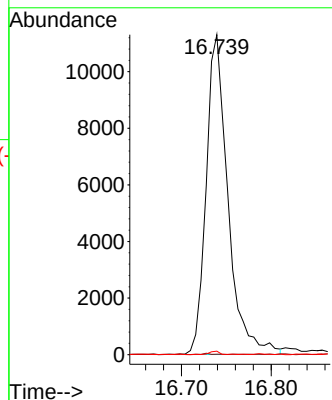
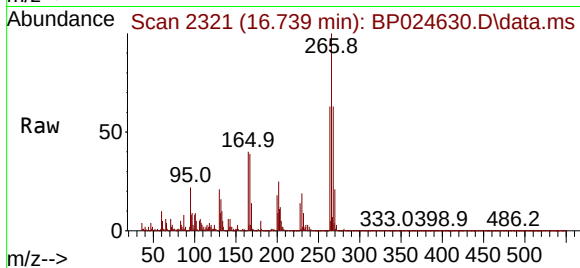
Tgt Ion:200 Resp: 19103

Ion Ratio Lower Upper

200 100

173 0.2 5.9 45.9#

215 1.1 28.3 68.3#



#70

Pentachlorophenol

Concen: 17.689 ng

RT: 16.739 min Scan# 2321

Delta R.T. -0.006 min

Lab File: BP024630.D

Acq: 14 May 2025 17:56

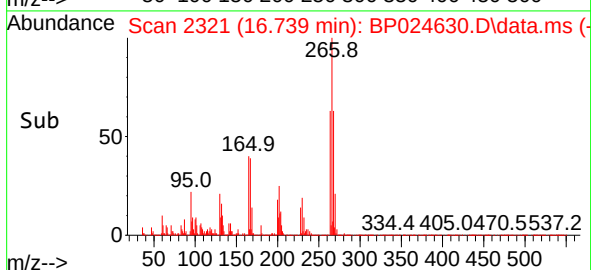
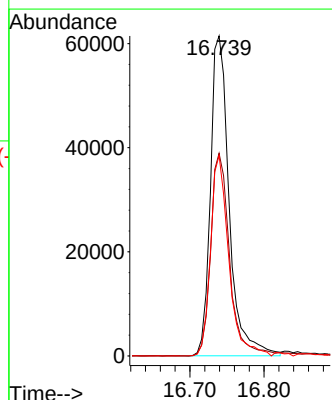
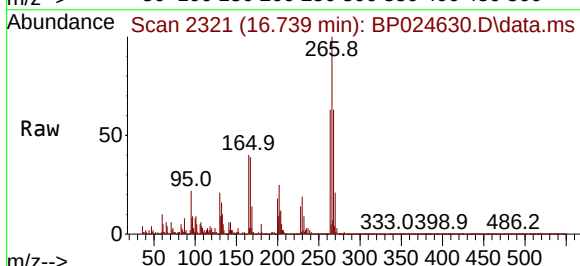
Tgt Ion:266 Resp: 107862

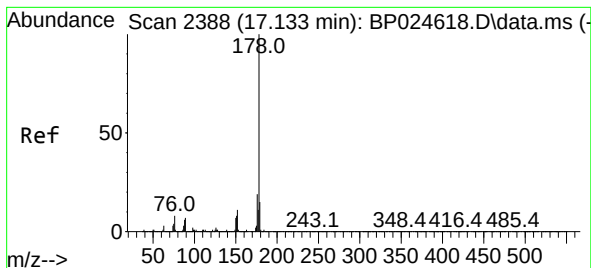
Ion Ratio Lower Upper

266 100

268 63.4 52.2 78.4

264 62.7 51.1 76.7





#71

Phenanthrene

Concen: 6.049 ng

RT: 17.228 min Scan# 2404

Delta R.T. 0.094 min

Lab File: BP024630.D

Acq: 14 May 2025 17:56

Instrument :

BNA_P

ClientSampleId :

HW0425-PT-BNA-SOILD

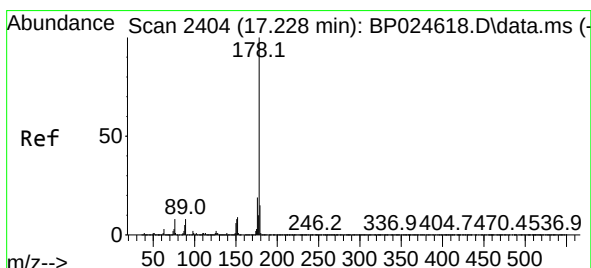
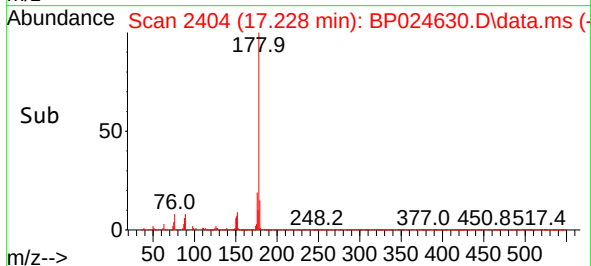
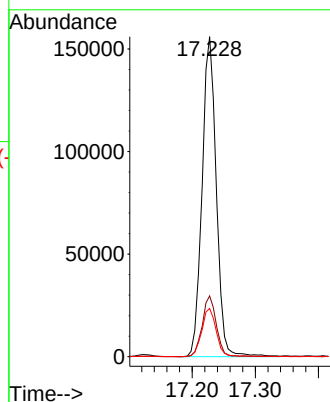
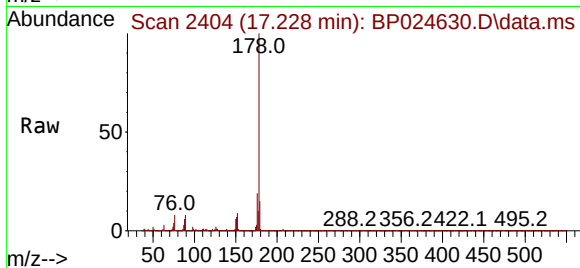
Tgt Ion:178 Resp: 243973

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

179 15.1 12.2 18.4



#72

Anthracene

Concen: 6.013 ng

RT: 17.228 min Scan# 2404

Delta R.T. 0.000 min

Lab File: BP024630.D

Acq: 14 May 2025 17:56

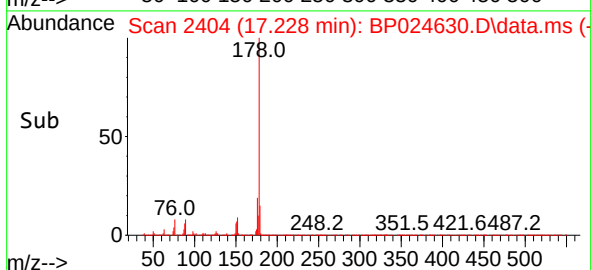
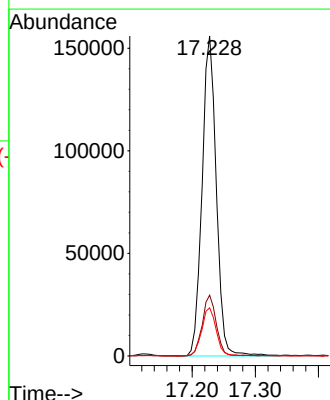
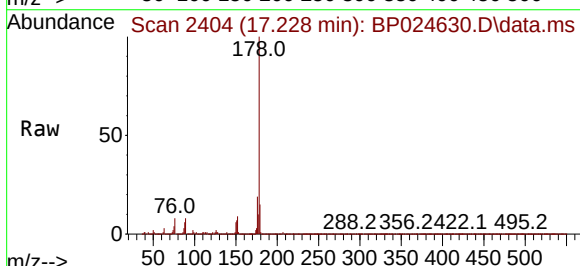
Tgt Ion:178 Resp: 243973

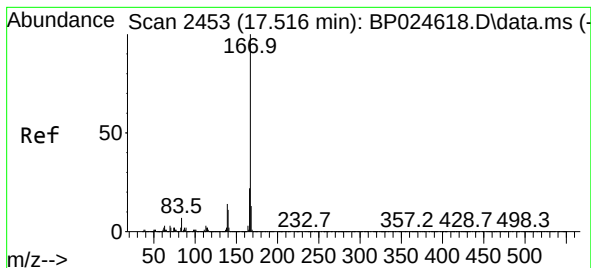
Ion Ratio Lower Upper

178 100

176 19.0 15.0 22.4

179 15.1 12.2 18.2





#73

Carbazole

Concen: 22.575 ng

RT: 17.510 min Scan# 2451

Delta R.T. -0.006 min

Lab File: BP024630.D

Acq: 14 May 2025 17:56

Instrument :

BNA_P

ClientSampleId :

HW0425-PT-BNA-SOILD

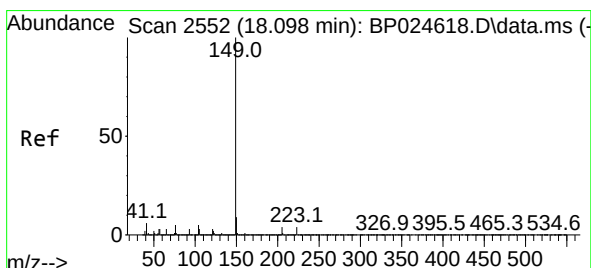
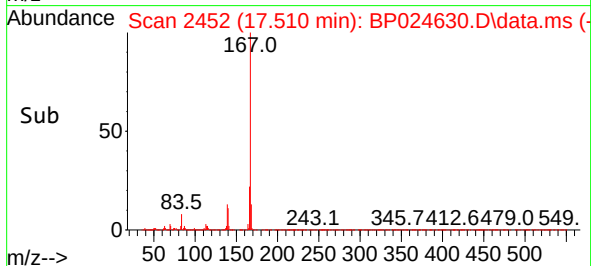
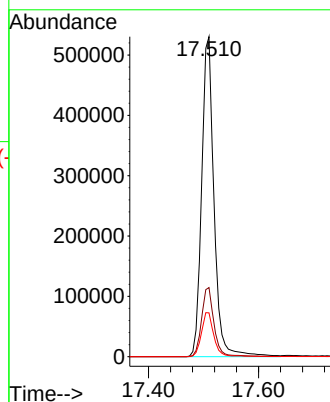
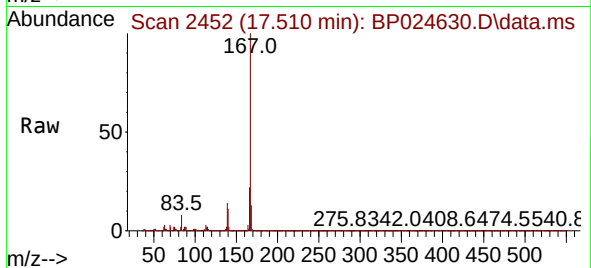
Tgt Ion:167 Resp: 829082

Ion Ratio Lower Upper

167 100

166 21.6 17.7 26.5

139 13.7 11.3 16.9



#74

Di-n-butylphthalate

Concen: 26.184 ng

RT: 18.092 min Scan# 2551

Delta R.T. -0.006 min

Lab File: BP024630.D

Acq: 14 May 2025 17:56

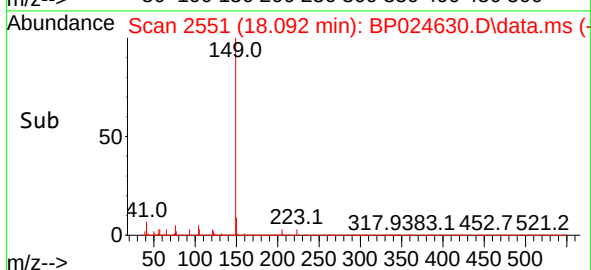
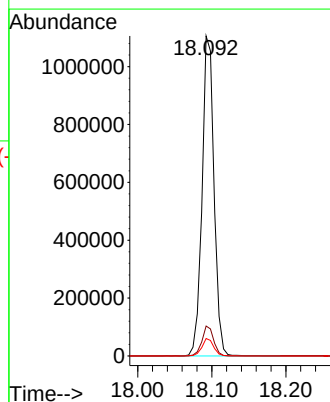
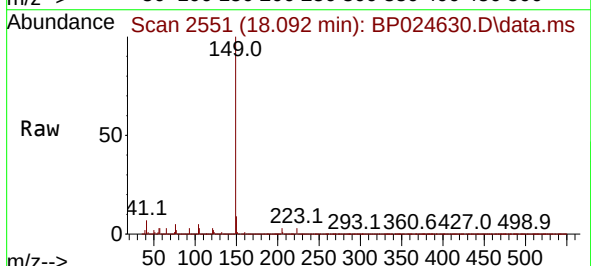
Tgt Ion:149 Resp: 1236759

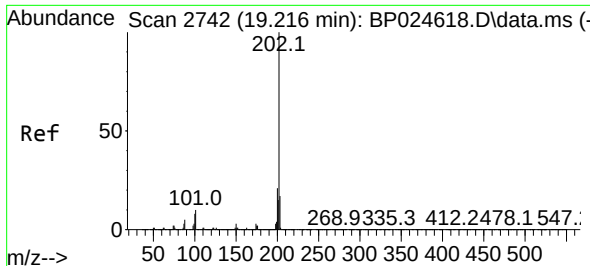
Ion Ratio Lower Upper

149 100

150 9.3 7.2 10.8

104 5.5 4.3 6.5

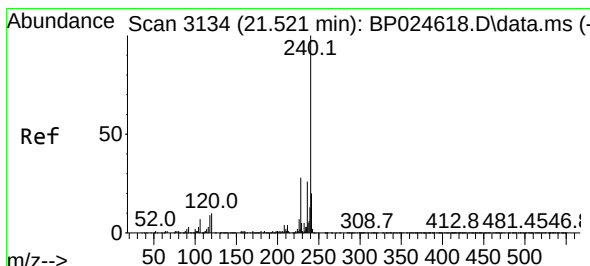
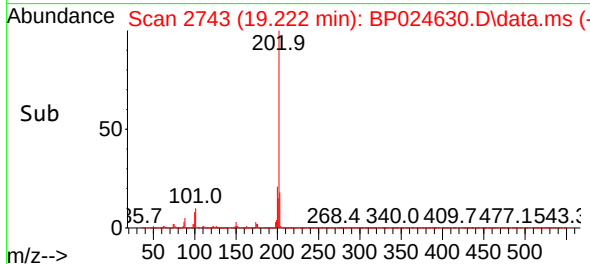
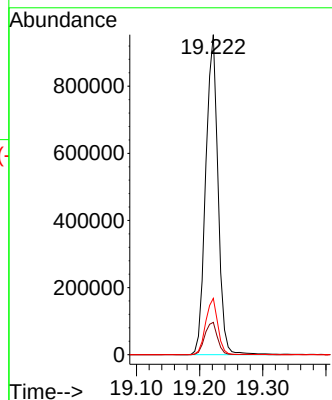
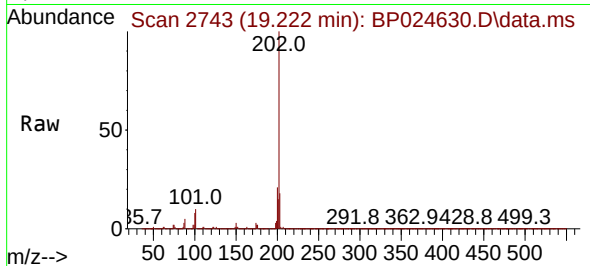




#75
Fluoranthene
Concen: 27.376 ng
RT: 19.222 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024630.D
Acq: 14 May 2025 17:56

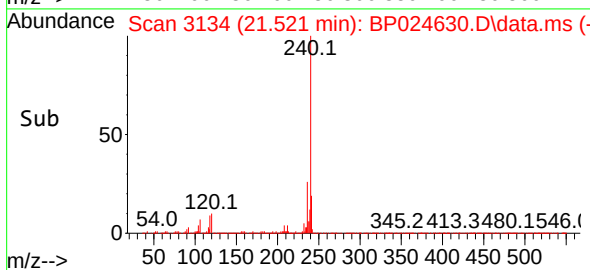
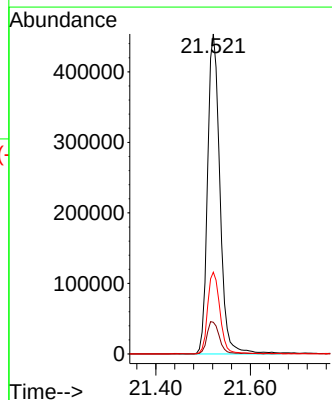
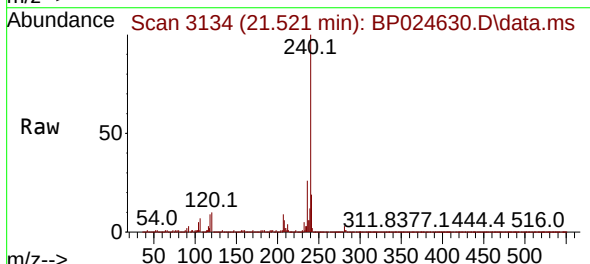
Instrument :
BNA_P
ClientSampleId :
HW0425-PT-BNA-SOILDL

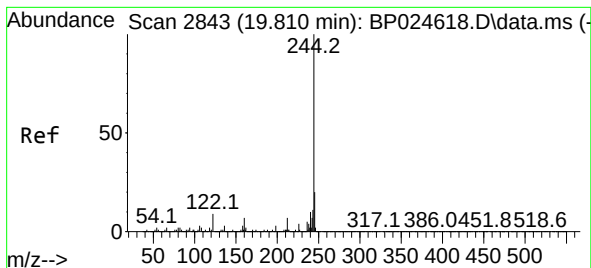
Tgt Ion:202 Resp: 1290609
Ion Ratio Lower Upper
202 100
101 10.1 0.0 30.3
203 17.6 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.521 min Scan# 3134
Delta R.T. -0.000 min
Lab File: BP024630.D
Acq: 14 May 2025 17:56

Tgt Ion:240 Resp: 821394
Ion Ratio Lower Upper
240 100
120 9.9 7.8 11.6
236 25.6 20.6 31.0





#79

Terphenyl-d14

Concen: 11.253 ng

RT: 19.810 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP024630.D

Acq: 14 May 2025 17:56

Instrument :

BNA_P

ClientSampleId :

HW0425-PT-BNA-SOILDL

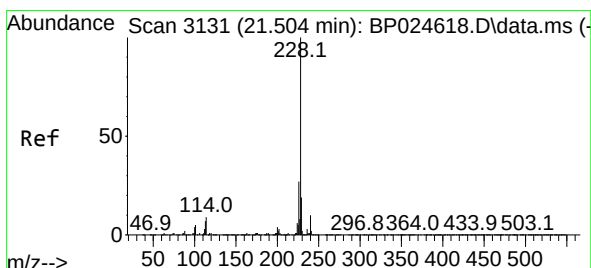
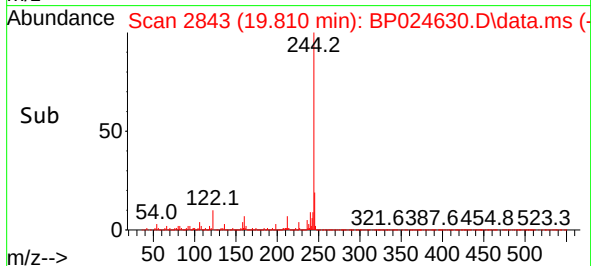
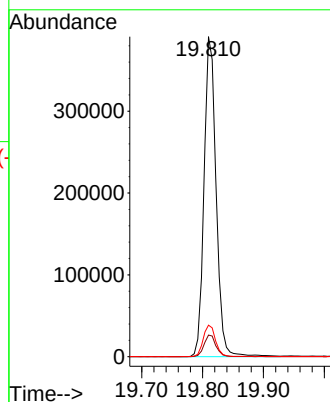
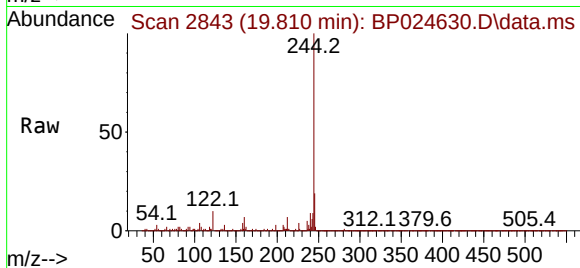
Tgt Ion:244 Resp: 539049

Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

122 9.9 7.4 11.0



#81

Benzo(a)anthracene

Concen: 10.669 ng

RT: 21.574 min Scan# 3143

Delta R.T. 0.071 min

Lab File: BP024630.D

Acq: 14 May 2025 17:56

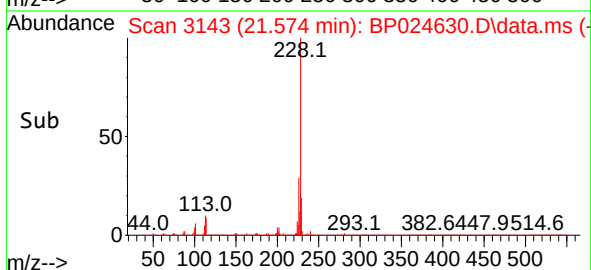
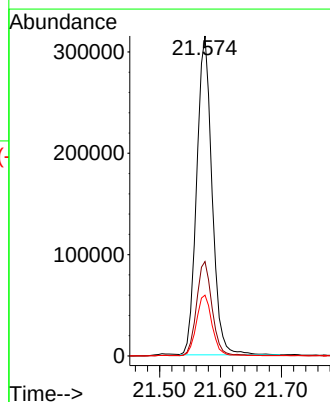
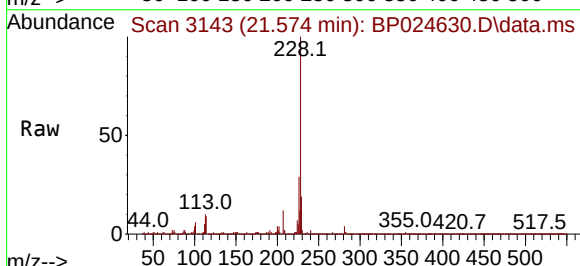
Tgt Ion:228 Resp: 550263

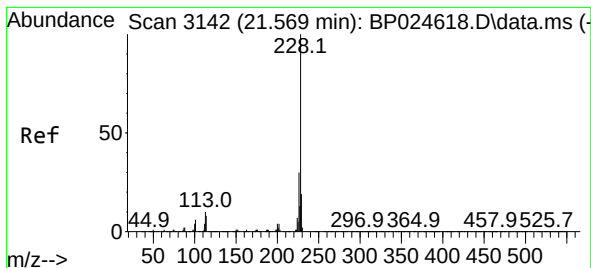
Ion Ratio Lower Upper

228 100

226 29.5 21.4 32.0

229 19.0 15.5 23.3





#83

Chrysene

Concen: 11.255 ng

RT: 21.574 min Scan# 3143

Delta R.T. 0.006 min

Lab File: BP024630.D

Acq: 14 May 2025 17:56

Instrument :

BNA_P

ClientSampleId :

HW0425-PT-BNA-SOILDL

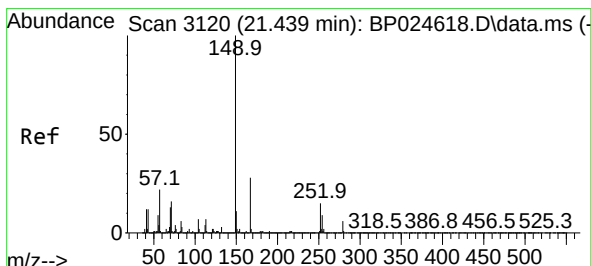
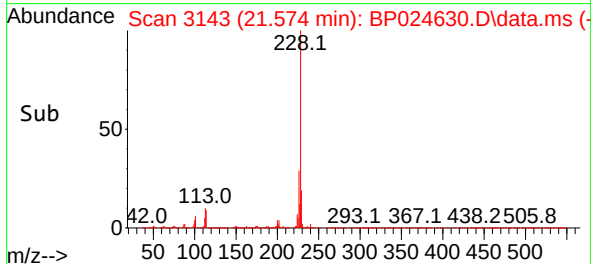
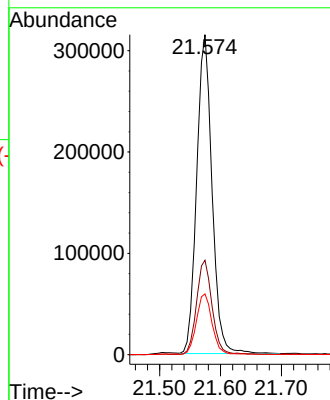
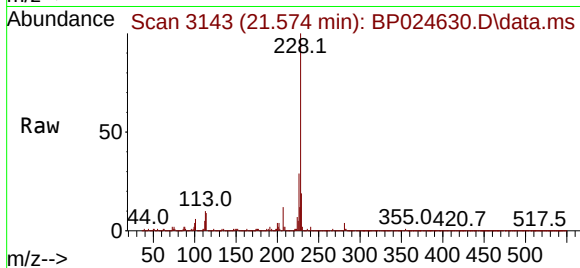
Tgt Ion:228 Resp: 550263

Ion Ratio Lower Upper

228 100

226 29.5 23.9 35.9

229 19.0 15.5 23.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 31.383 ng

RT: 21.445 min Scan# 3121

Delta R.T. 0.006 min

Lab File: BP024630.D

Acq: 14 May 2025 17:56

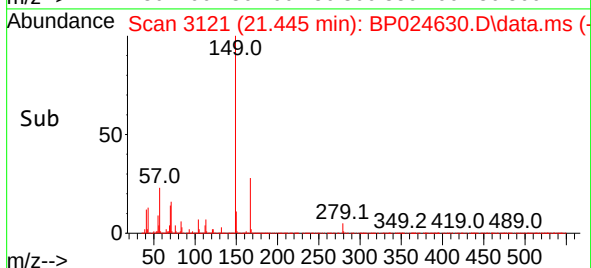
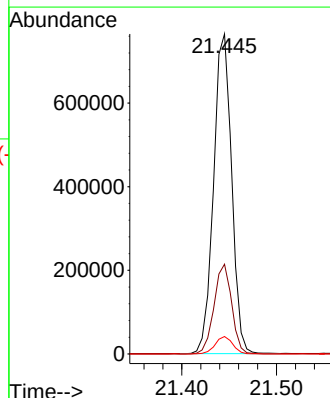
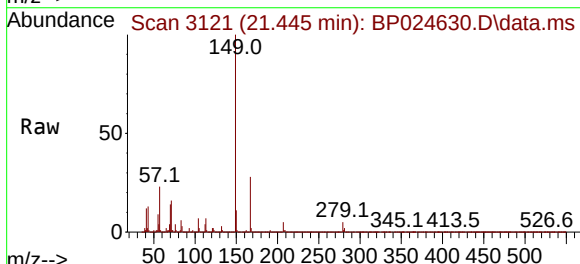
Tgt Ion:149 Resp: 1009672

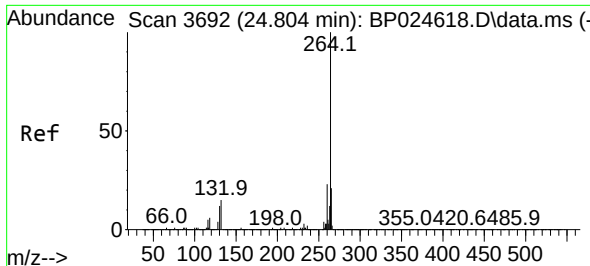
Ion Ratio Lower Upper

149 100

167 28.0 22.1 33.1

279 5.5 4.6 6.8

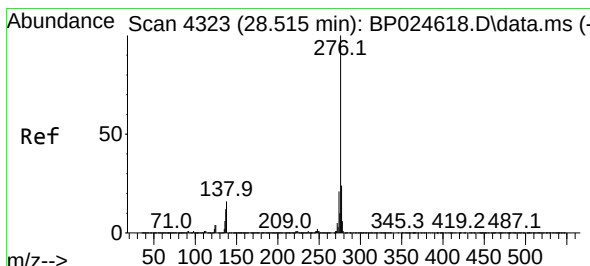
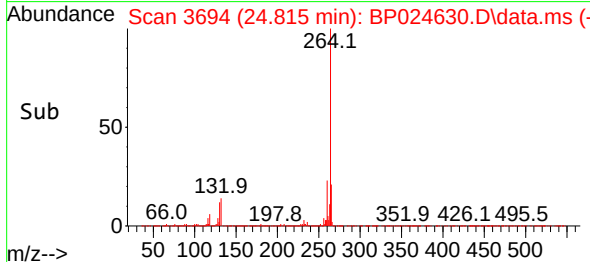
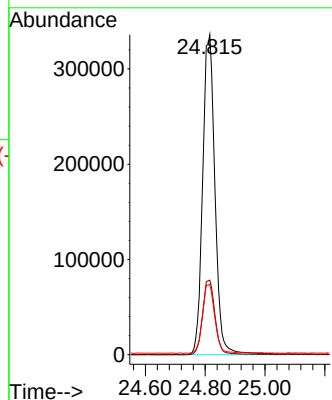
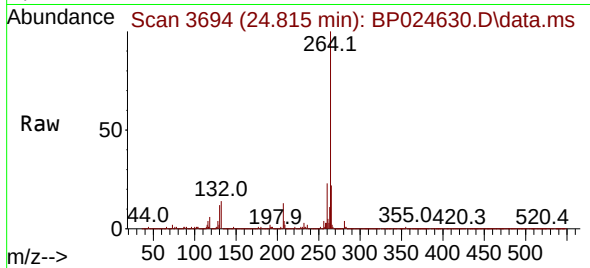




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.815 min Scan# 3694
Delta R.T. 0.012 min
Lab File: BP024630.D
Acq: 14 May 2025 17:56

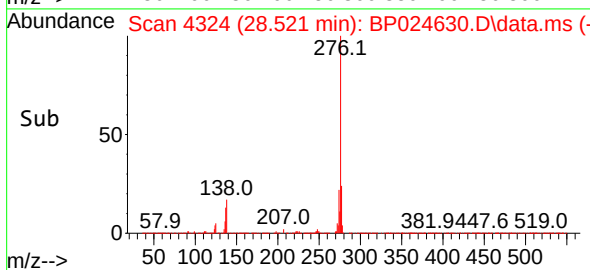
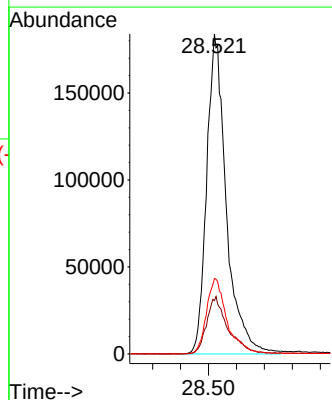
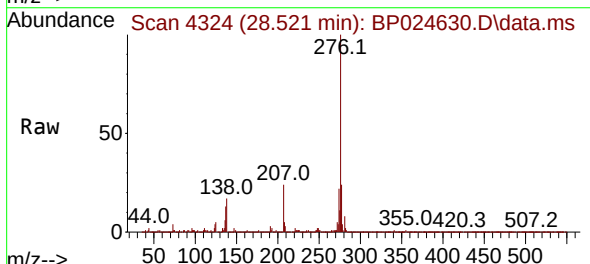
Instrument :
BNA_P
ClientSampleId :
HW0425-PT-BNA-SOILD

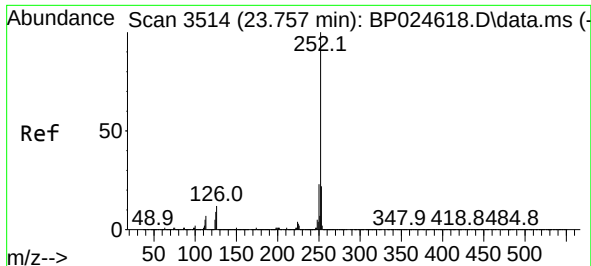
Tgt Ion:264 Resp: 960938
Ion Ratio Lower Upper
264 100
260 23.3 18.7 28.1
265 21.9 17.0 25.6



#87
Indeno(1,2,3-cd)pyrene
Concen: 12.762 ng
RT: 28.521 min Scan# 4324
Delta R.T. 0.006 min
Lab File: BP024630.D
Acq: 14 May 2025 17:56

Tgt Ion:276 Resp: 895304
Ion Ratio Lower Upper
276 100
138 19.4 11.2 16.8#
277 24.7 15.7 23.5#

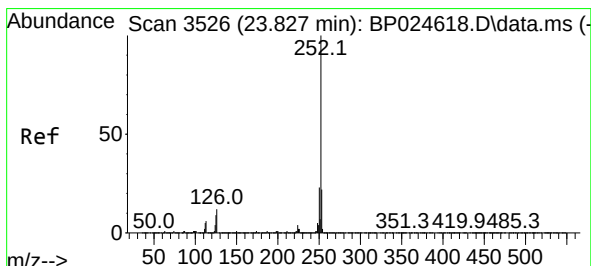
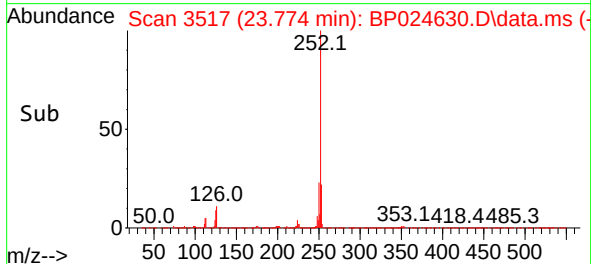
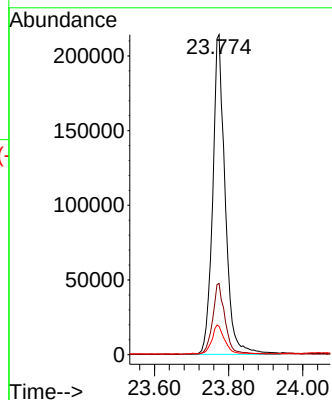
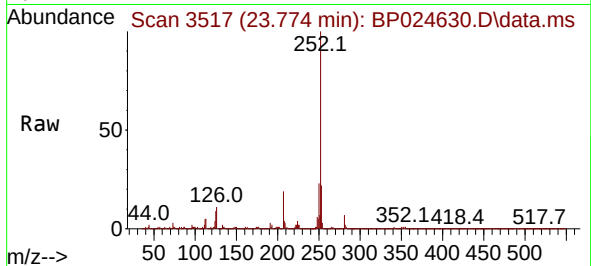




#88
Benzo(b)fluoranthene
Concen: 9.120 ng
RT: 23.774 min Scan# 3517
Delta R.T. 0.018 min
Lab File: BP024630.D
Acq: 14 May 2025 17:56

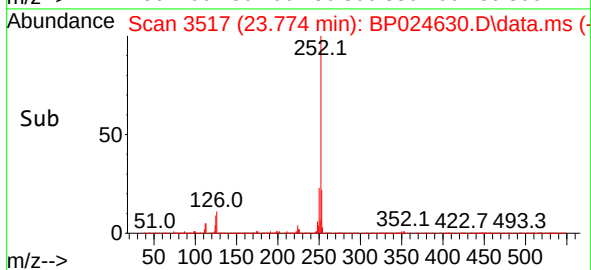
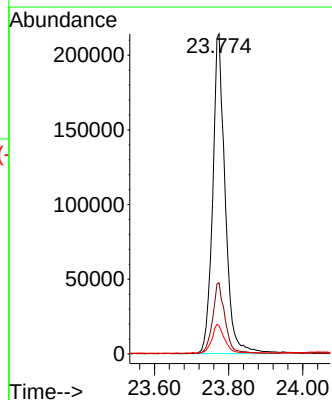
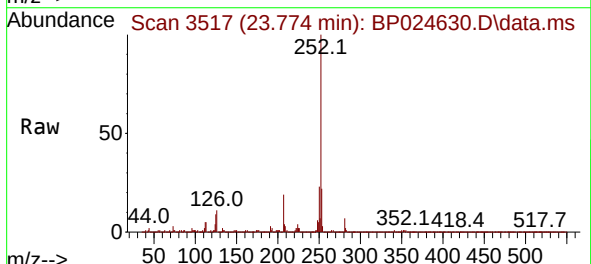
Instrument :
BNA_P
ClientSampleId :
HW0425-PT-BNA-SOILD

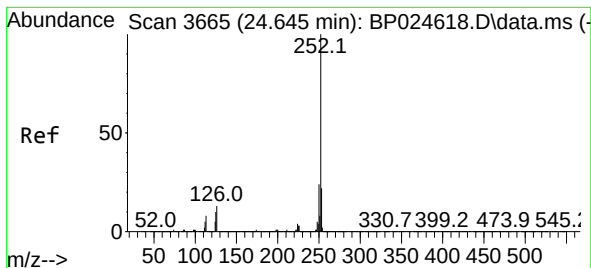
Tgt Ion:252 Resp: 501604
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 8.9 7.5 11.3



#89
Benzo(k)fluoranthene
Concen: 8.850 ng
RT: 23.774 min Scan# 3517
Delta R.T. -0.053 min
Lab File: BP024630.D
Acq: 14 May 2025 17:56

Tgt Ion:252 Resp: 501604
Ion Ratio Lower Upper
252 100
253 22.2 17.6 26.4
125 8.9 7.0 10.4





#90

Benzo(a)pyrene

Concen: 5.484 ng

RT: 24.662 min Scan# 3668

Delta R.T. 0.018 min

Lab File: BP024630.D

Acq: 14 May 2025 17:56

Instrument :

BNA_P

ClientSampleId :

HW0425-PT-BNA-SOILD

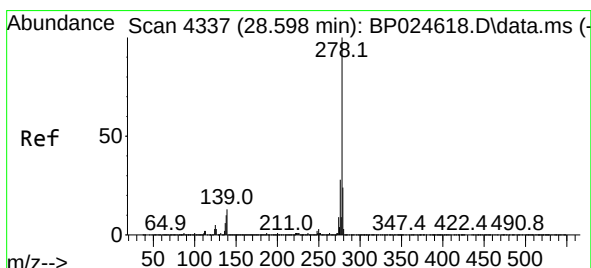
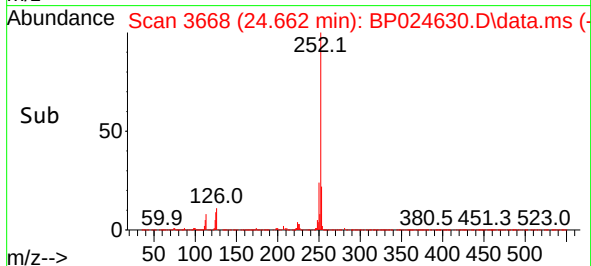
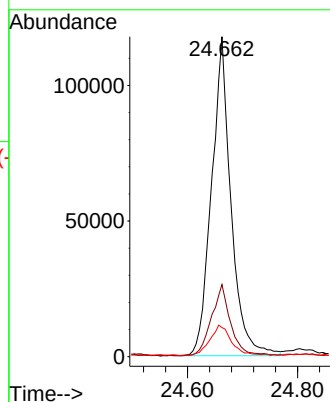
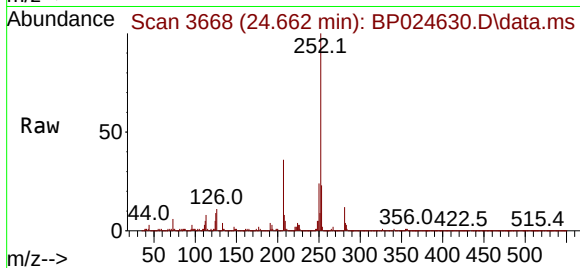
Tgt Ion:252 Resp: 289709

Ion Ratio Lower Upper

252 100

253 22.6 17.7 26.5

125 9.1 8.1 12.1



#91

Dibenzo(a,h)anthracene

Concen: 6.811 ng

RT: 28.598 min Scan# 4337

Delta R.T. 0.000 min

Lab File: BP024630.D

Acq: 14 May 2025 17:56

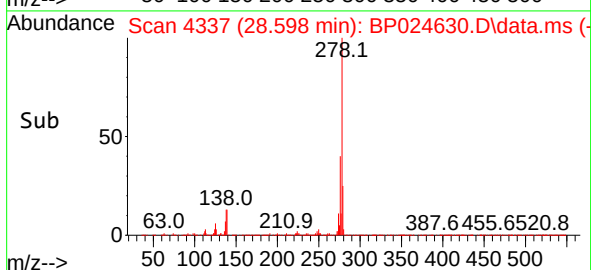
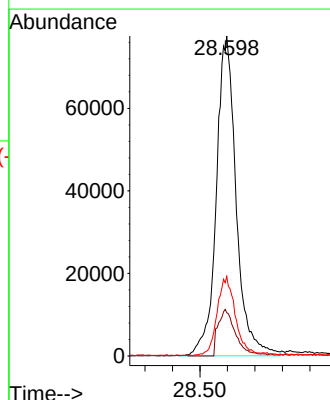
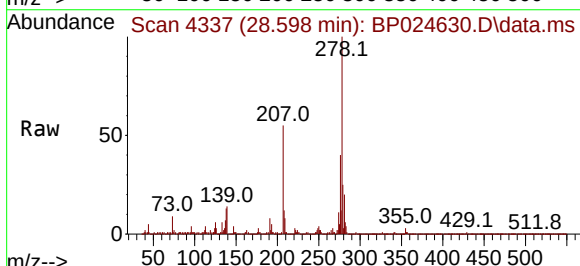
Tgt Ion:278 Resp: 388749

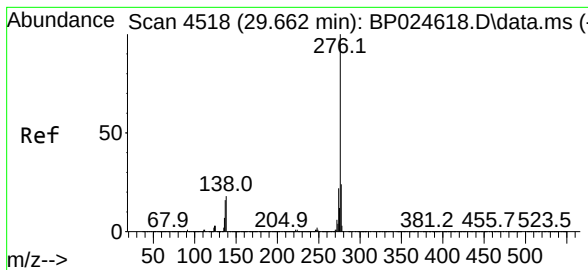
Ion Ratio Lower Upper

278 100

139 13.5 10.2 15.4

279 24.9 19.0 28.4





#92
 Benzo(g,h,i)perylene
 Concen: 8.208 ng
 RT: 29.674 min Scan# 41
 Delta R.T. 0.012 min
 Lab File: BP024630.D
 Acq: 14 May 2025 17:56

Instrument :
 BNA_P
 ClientSampleId :
 HW0425-PT-BNA-SOILD

Tgt Ion:276 Resp: 465874

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.0	28.4
138	19.1	14.4	21.6

