

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051425\
 Data File : BP024629.D
 Acq On : 14 May 2025 17:15
 Operator : RC/JU
 Sample : Q1872-11
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: May 14 17:40:47 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	7.664	152	118603	20.000	ng	0.00
21) Naphthalene-d8	10.434	136	489487	20.000	ng	0.00
39) Acenaphthene-d10	14.293	164	322776	20.000	ng	-0.01
64) Phenanthrene-d10	17.081	188	641385	20.000	ng	-0.02
76) Chrysene-d12	21.522	240	728219	20.000	ng	0.00
86) Perylene-d12	24.798	264	904308	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.281	112	531851	76.698	ng	0.00
7) Phenol-d6	6.852	99	714965	80.786	ng	0.00
23) Nitrobenzene-d5	8.816	82	483271	49.885	ng	0.00
42) 2,4,6-Tribromophenol	15.804	330	476334	87.050	ng	0.00
45) 2-Fluorobiphenyl	12.904	172	1210485	49.133	ng	0.00
79) Terphenyl-d14	19.810	244	2264885	53.330	ng	0.00
Target Compounds						
						Qvalue
8) 2-Chlorophenol	7.240	128	454588	57.748	ng	100
10) Phenol	6.881	94	497207	54.432	ng	100
12) 1,3-Dichlorobenzene	7.699	146	1064649	117.553	ng	100
13) 1,4-Dichlorobenzene	7.699	146	1065192	116.939	ng	99
14) 1,2-Dichlorobenzene	8.011	146	516807	58.225	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.187	45	463989	51.619	ng	98
18) Hexachloroethane	8.728	117	351729	100.764	ng	97
19) n-Nitroso-di-n-propyla...	8.463	70	458475	74.890	ng	98
24) Nitrobenzene	8.858	77	1280999	150.257	ng	98
25) Isophorone	9.375	82	1336524	79.533	ng	99
26) 2-Nitrophenol	9.558	139	264291	63.265	ng	98
27) 2,4-Dimethylphenol	9.558	122	17208	2.336	ng	# 7
28) bis(2-Chloroethoxy)met...	9.852	93	1287076	128.198	ng	99
32) Benzoic acid	9.558	122	17208	10.302	ng	# 7
34) Hexachlorobutadiene	10.769	225	642229	123.258	ng	97
43) 2,4,6-Trichlorophenol	12.716	196	640159	105.445	ng	98
44) 2,4,5-Trichlorophenol	12.716	196	640159	94.729	ng	# 89
47) 2-Chloronaphthalene	13.157	162	1114977	61.296	ng	99
49) Acenaphthylene	14.010	152	611392	20.085	ng	99
50) Dimethylphthalate	13.751	163	1809456	73.549	ng	100
52) Acenaphthene	14.357	154	768157	43.895	ng	99
54) 2,4-Dinitrophenol	14.422	184	12	6.404	ng	# 1
55) Dibenzofuran	14.693	168	2060616	73.822	ng	99
56) 4-Nitrophenol	14.540	139	674569	143.328	ng	99
58) Fluorene	15.357	166	2820578	123.925	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.934	232	611688	97.575	ng	99
60) Diethylphthalate	15.134	149	3217755	129.406	ng	98
62) 4-Nitroaniline	15.357	138	35846	6.998	ng	# 16
63) Azobenzene	15.669	77	112556	5.291	ng	# 1
67) 4-Bromophenyl-phenylether	16.263	248	585913	77.525	ng	98
69) Atrazine	16.728	200	93105	12.896	ng	# 36
70) Pentachlorophenol	16.728	266	520803	96.608	ng	98
71) Phenanthrene	17.228	178	1068233	29.960	ng	99
72) Anthracene	17.228	178	1068233	29.778	ng	100
73) Carbazole	17.510	167	3461335	106.604	ng	100
74) Di-n-butylphthalate	18.098	149	4949741	118.534	ng	99

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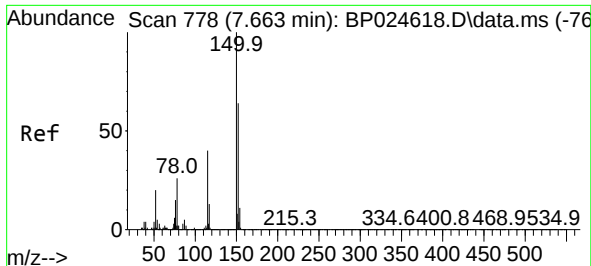
Instrument :
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

75) Fluoranthene	19.222	202	5214264	125.106	ng	100
81) Benzo(a)anthracene	21.569	228	2318465	50.704	ng	96
83) Chrysene	21.569	228	2318465	53.487	ng	100
84) Bis(2-ethylhexyl)phtha...	21.439	149	4204690	147.416	ng	98
87) Indeno(1,2,3-cd)pyrene	28.527	276	4432202	67.135	ng #	88
88) Benzo(b)fluoranthene	23.774	252	2245379	43.380	ng	100
89) Benzo(k)fluoranthene	23.774	252	2245379	42.098	ng	99
90) Benzo(a)pyrene	24.651	252	1392636	28.014	ng	100
91) Dibenzo(a,h)anthracene	28.598	278	1960013	36.493	ng	99
92) Benzo(g,h,i)perylene	29.668	276	2306947	43.192	ng	99

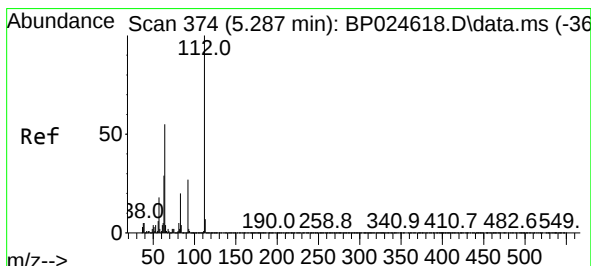
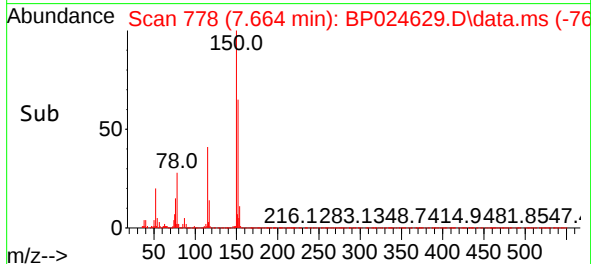
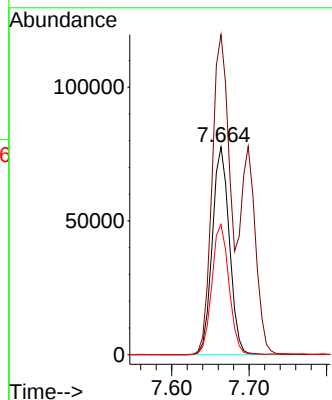
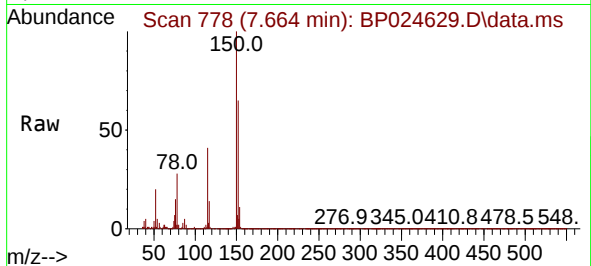
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.664 min Scan# 713
Delta R.T. 0.000 min
Lab File: BP024629.D
Acq: 14 May 2025 17:15

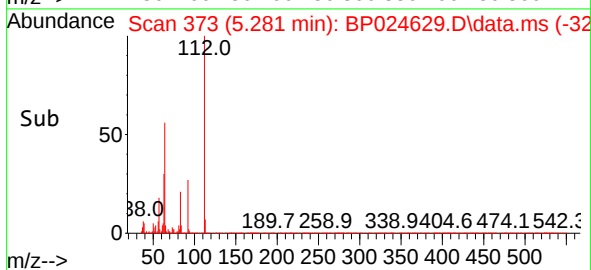
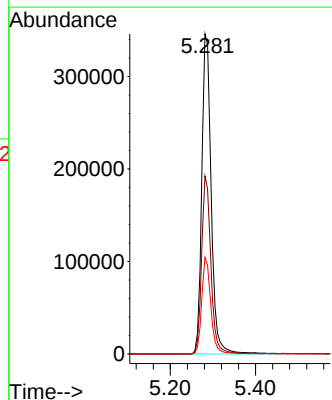
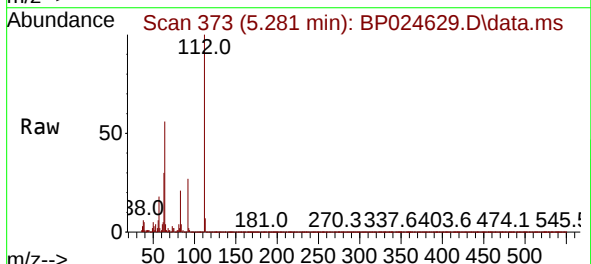
Instrument :
BNA_P
ClientSampleId :
HW0425-PT-BNA-SOIL

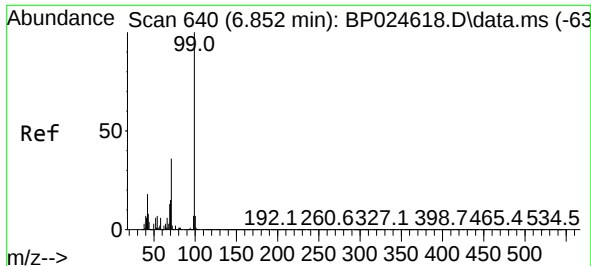
Tgt Ion:152 Resp: 118603
Ion Ratio Lower Upper
152 100
150 154.1 125.9 188.9
115 62.7 50.1 75.1



#5
2-Fluorophenol
Concen: 76.698 ng
RT: 5.281 min Scan# 373
Delta R.T. -0.006 min
Lab File: BP024629.D
Acq: 14 May 2025 17:15

Tgt Ion:112 Resp: 531851
Ion Ratio Lower Upper
112 100
64 55.6 44.1 66.1
63 30.2 23.5 35.3





#7

Phenol-d6

Concen: 80.786 ng

RT: 6.852 min Scan# 640

Delta R.T. 0.000 min

Lab File: BP024629.D

Acq: 14 May 2025 17:15

Instrument :

BNA_P

ClientSampleId :

HW0425-PT-BNA-SOIL

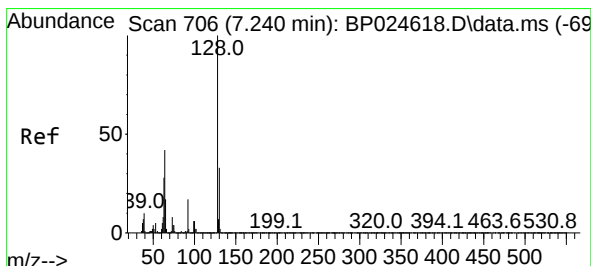
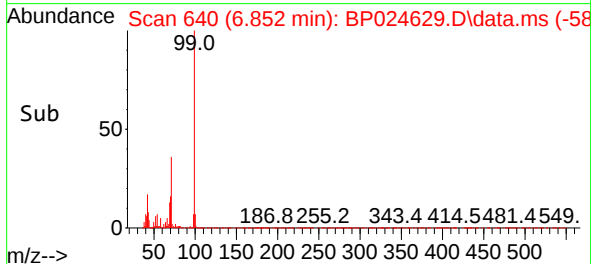
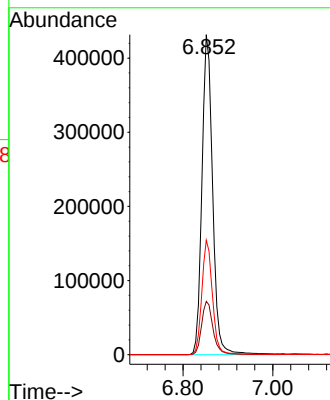
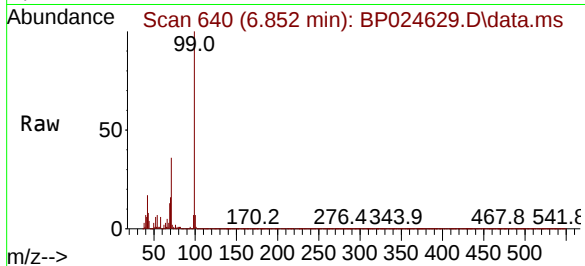
Tgt Ion: 99 Resp: 714965

Ion Ratio Lower Upper

99 100

42 16.6 14.4 21.6

71 35.8 29.2 43.8



#8

2-Chlorophenol

Concen: 57.748 ng

RT: 7.240 min Scan# 706

Delta R.T. 0.000 min

Lab File: BP024629.D

Acq: 14 May 2025 17:15

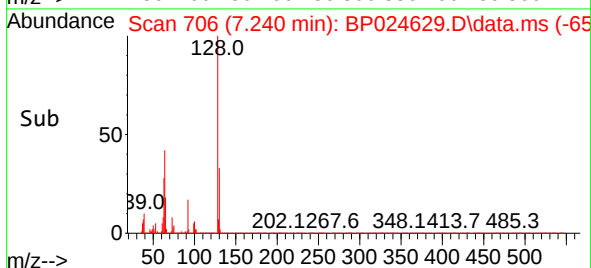
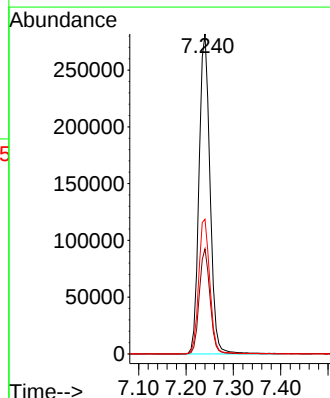
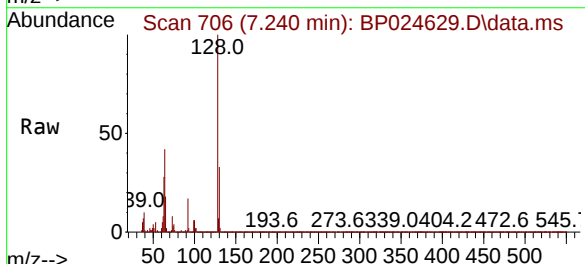
Tgt Ion: 128 Resp: 454588

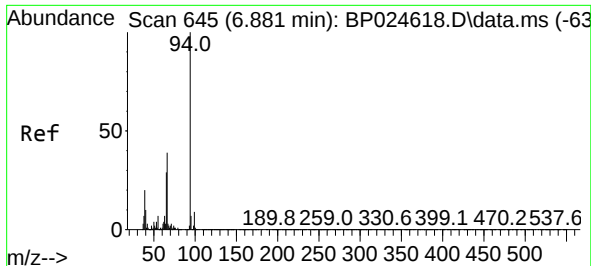
Ion Ratio Lower Upper

128 100

130 32.9 13.0 53.0

64 42.1 22.3 62.3

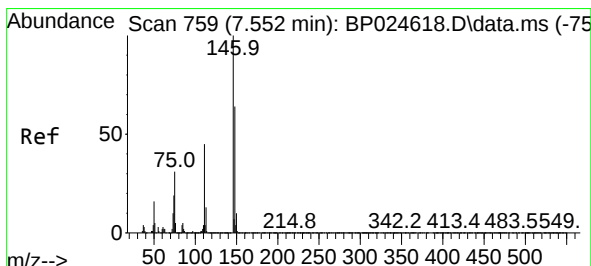
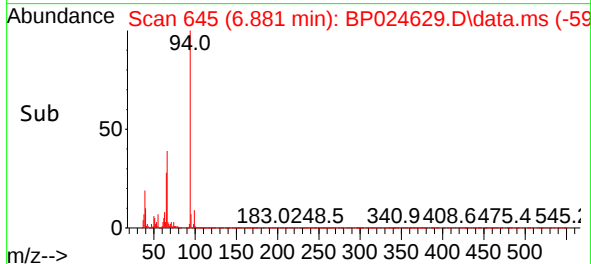
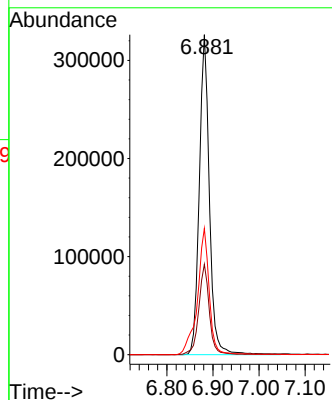
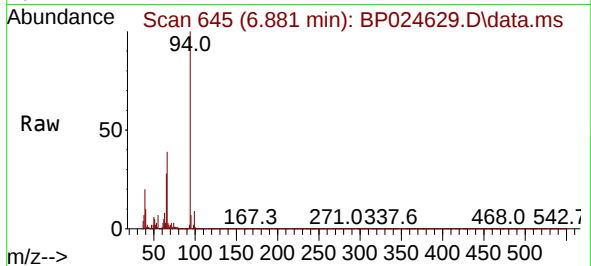




#10
Phenol
Concen: 54.432 ng
RT: 6.881 min Scan# 645
Delta R.T. 0.000 min
Lab File: BP024629.D
Acq: 14 May 2025 17:15

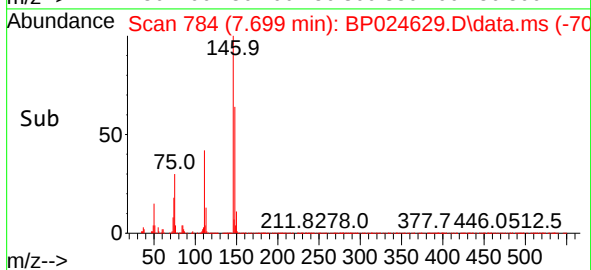
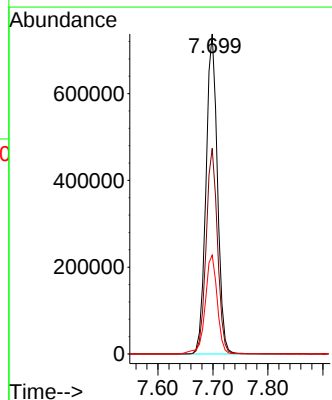
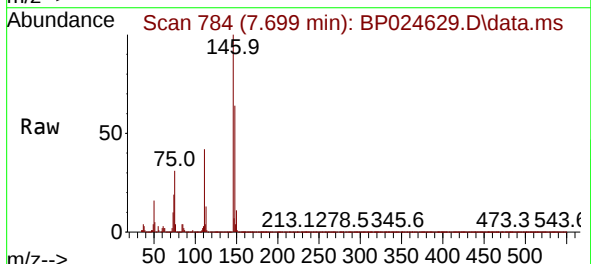
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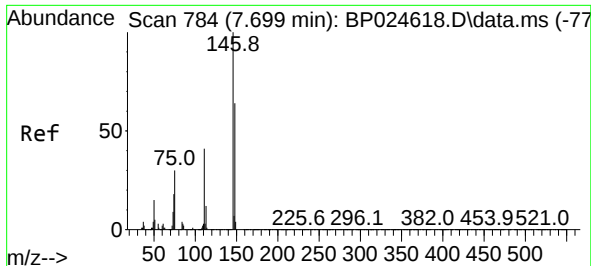
Tgt Ion: 94 Resp: 497207
Ion Ratio Lower Upper
94 100
65 28.2 8.7 48.7
66 39.5 19.4 59.4



#12
1,3-Dichlorobenzene
Concen: 117.553 ng
RT: 7.699 min Scan# 784
Delta R.T. 0.147 min
Lab File: BP024629.D
Acq: 14 May 2025 17:15

Tgt Ion: 146 Resp: 1064649
Ion Ratio Lower Upper
146 100
148 64.3 51.4 77.2
75 30.9 25.2 37.8

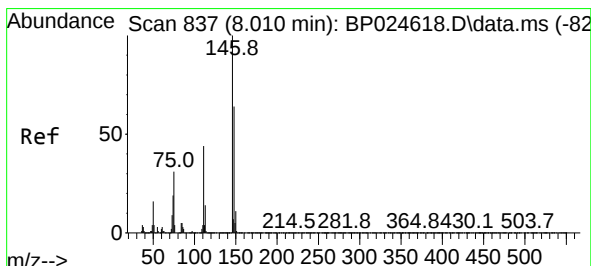
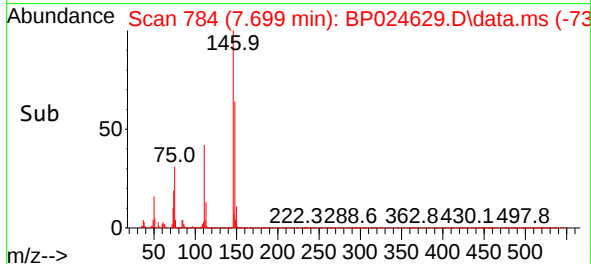
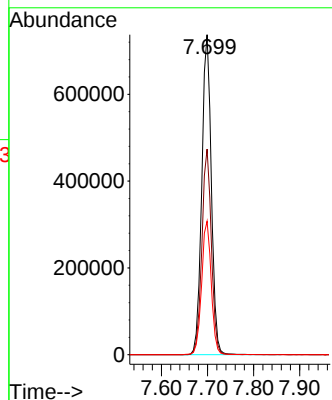
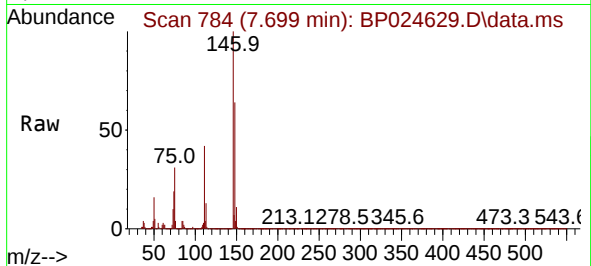




#13
1,4-Dichlorobenzene
Concen: 116.939 ng
RT: 7.699 min Scan# 784
Delta R.T. 0.000 min
Lab File: BP024629.D
Acq: 14 May 2025 17:15

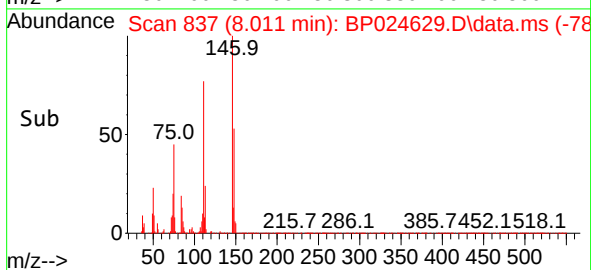
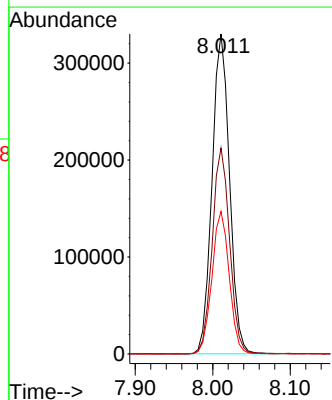
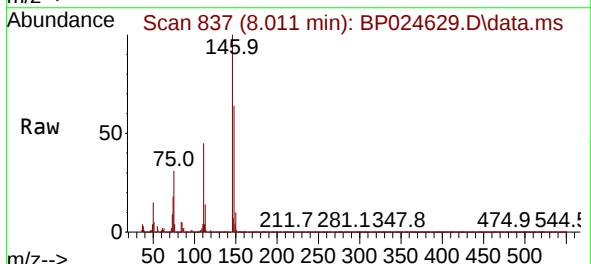
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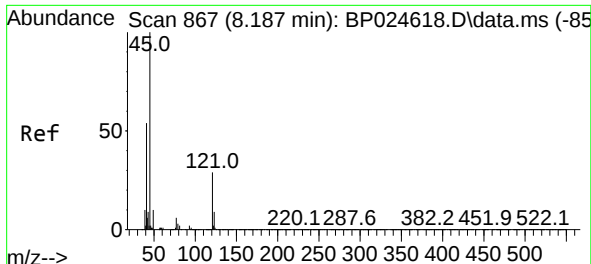
Tgt Ion:146 Resp: 1065192
Ion Ratio Lower Upper
146 100
148 64.3 51.0 76.6
111 41.7 33.0 49.6



#14
1,2-Dichlorobenzene
Concen: 58.225 ng
RT: 8.011 min Scan# 837
Delta R.T. 0.000 min
Lab File: BP024629.D
Acq: 14 May 2025 17:15

Tgt Ion:146 Resp: 516807
Ion Ratio Lower Upper
146 100
148 64.3 51.0 76.4
111 44.6 35.2 52.8

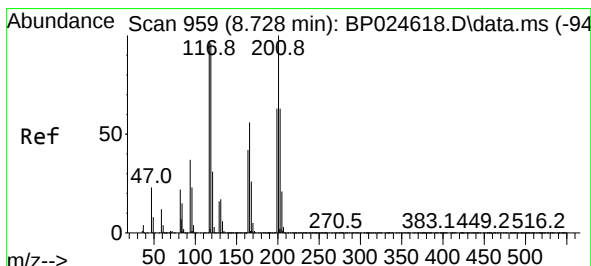
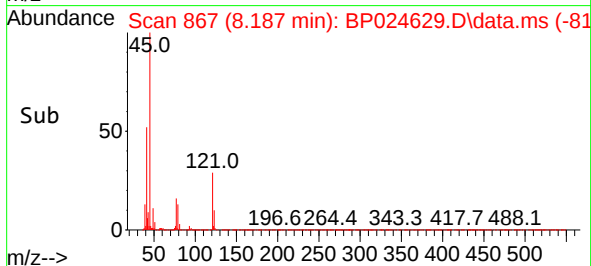
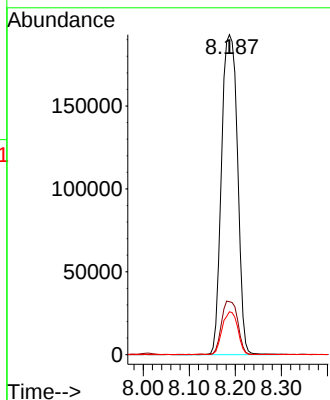
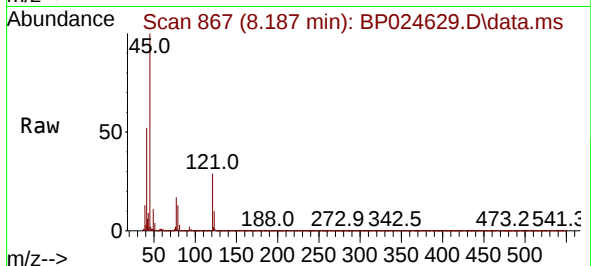




#16
2,2'-oxybis(1-Chloropropane)
Concen: 51.619 ng
RT: 8.187 min Scan# 867
Delta R.T. 0.000 min
Lab File: BP024629.D
Acq: 14 May 2025 17:15

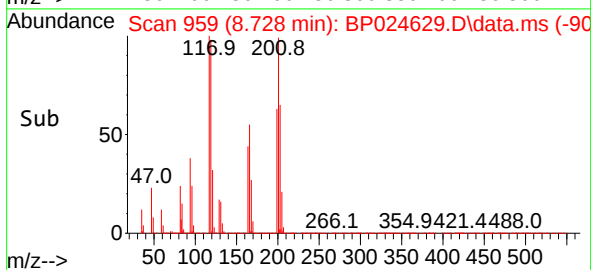
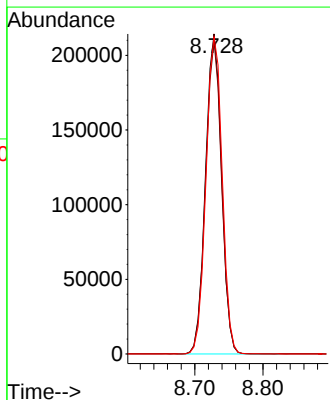
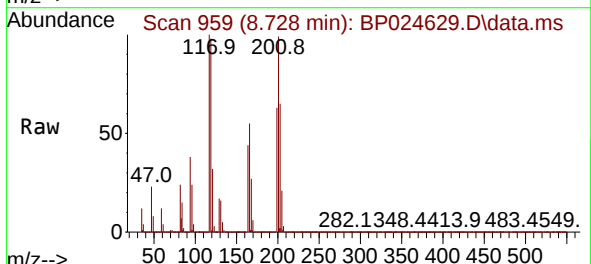
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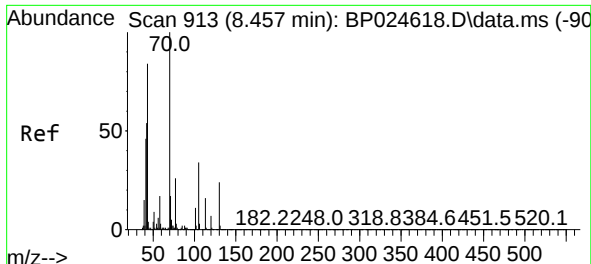
Tgt Ion: 45 Resp: 463989
Ion Ratio Lower Upper
45 100
77 16.5 0.0 37.7
79 13.4 0.0 34.0



#18
Hexachloroethane
Concen: 100.764 ng
RT: 8.728 min Scan# 959
Delta R.T. 0.000 min
Lab File: BP024629.D
Acq: 14 May 2025 17:15

Tgt Ion: 117 Resp: 351729
Ion Ratio Lower Upper
117 100
119 97.8 79.4 119.0
201 99.1 82.7 124.1



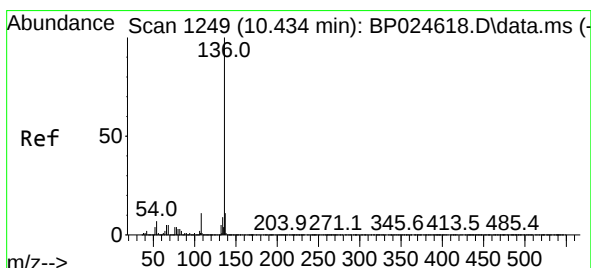
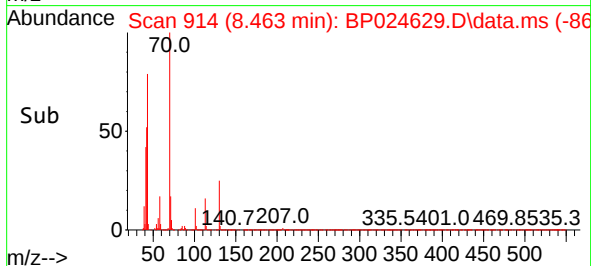
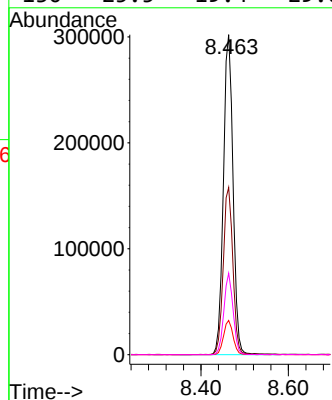
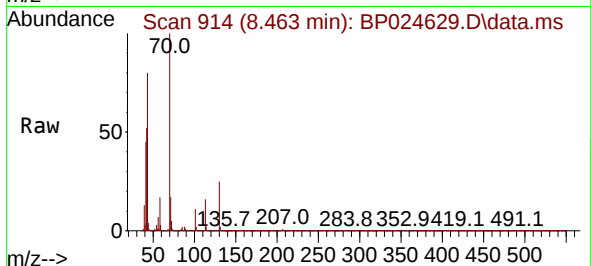


#19
n-Nitroso-di-n-propylamine
Concen: 74.890 ng
RT: 8.463 min Scan# 913
Delta R.T. 0.006 min
Lab File: BP024629.D
Acq: 14 May 2025 17:15

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

Tgt Ion: 70 Resp: 458475

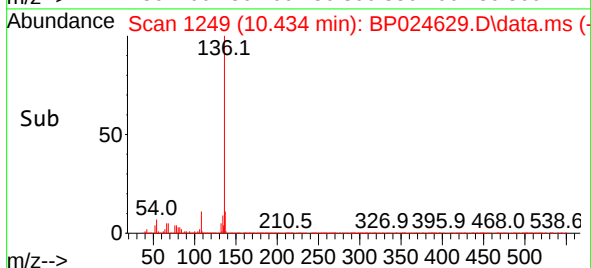
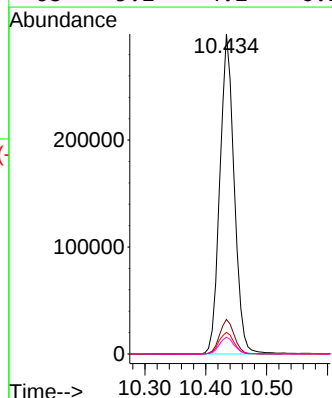
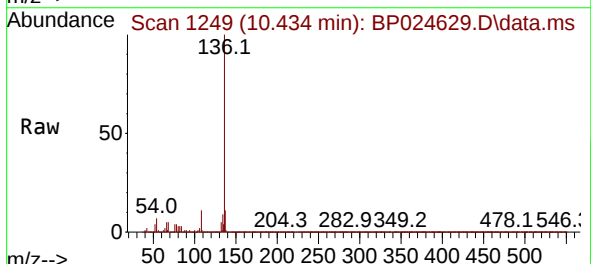
Ion	Ratio	Lower	Upper
70	100		
42	52.3	43.0	64.6
101	10.7	8.7	13.1
130	25.5	19.4	29.0

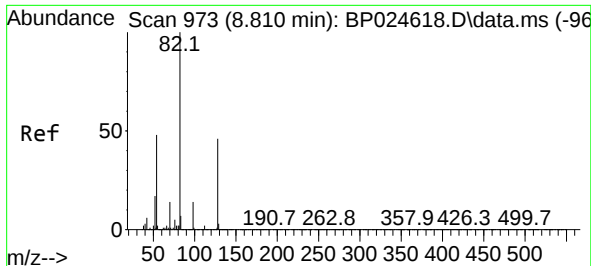


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.434 min Scan# 1249
Delta R.T. -0.000 min
Lab File: BP024629.D
Acq: 14 May 2025 17:15

Tgt Ion: 136 Resp: 489487

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	6.8	5.5	8.3
68	5.2	4.2	6.2

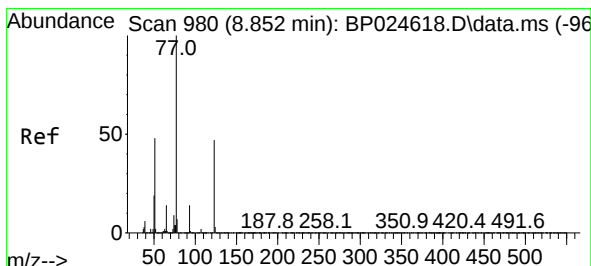
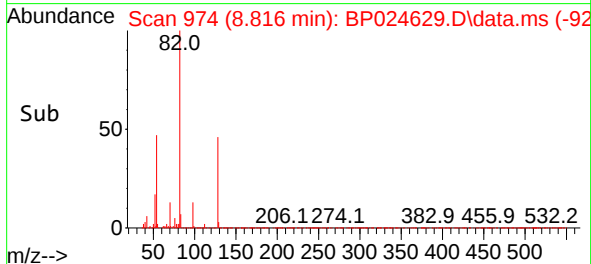
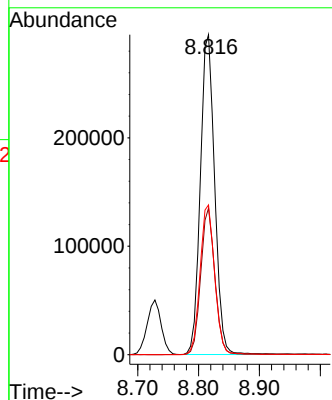
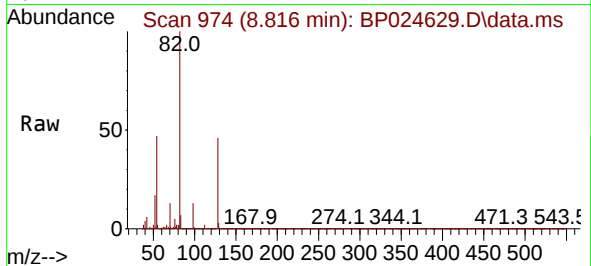




#23
Nitrobenzene-d5
Concen: 49.885 ng
RT: 8.816 min Scan# 91
Delta R.T. 0.006 min
Lab File: BP024629.D
Acq: 14 May 2025 17:15

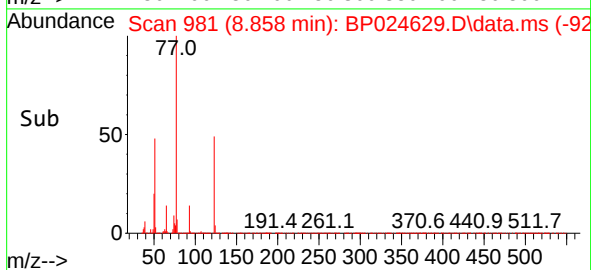
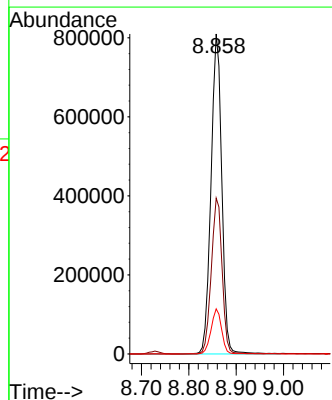
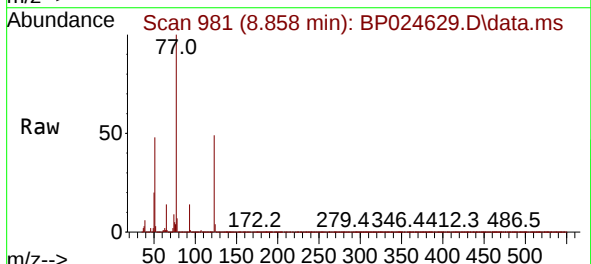
Instrument :
BNA_P
ClientSampleId :
HW0425-PT-BNA-SOIL

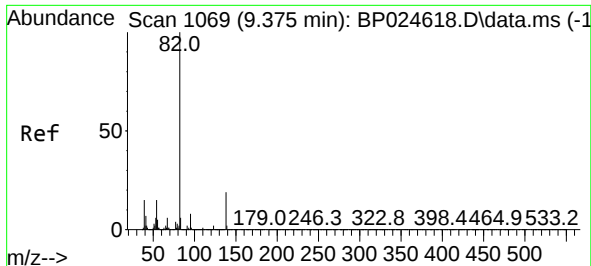
Tgt Ion: 82 Resp: 483271
Ion Ratio Lower Upper
82 100
128 45.8 37.0 55.4
54 46.8 38.7 58.1



#24
Nitrobenzene
Concen: 150.257 ng
RT: 8.858 min Scan# 981
Delta R.T. 0.006 min
Lab File: BP024629.D
Acq: 14 May 2025 17:15

Tgt Ion: 77 Resp: 1280999
Ion Ratio Lower Upper
77 100
123 48.7 37.4 56.0
65 14.1 11.3 16.9

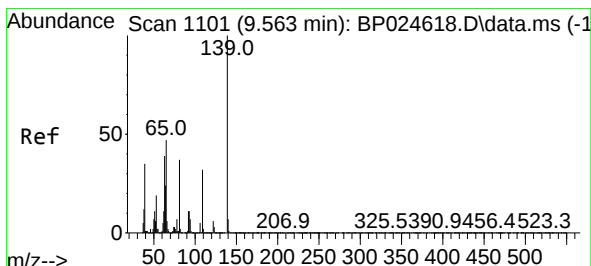
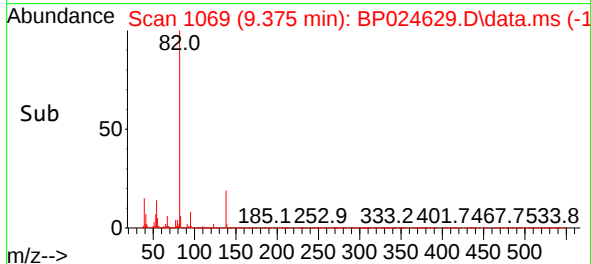
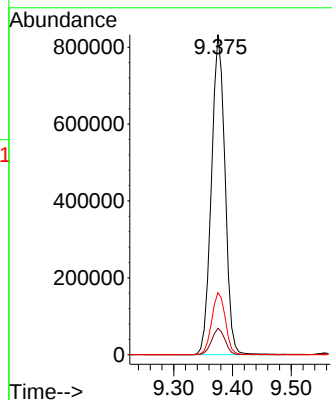
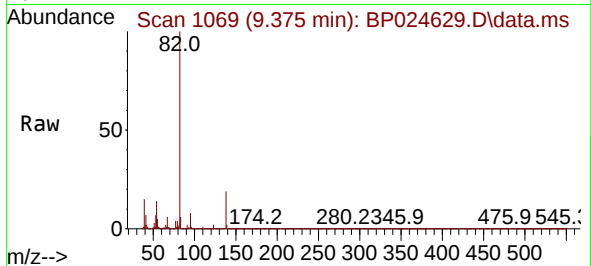




#25
Isophorone
Concen: 79.533 ng
RT: 9.375 min Scan# 1069
Delta R.T. 0.000 min
Lab File: BP024629.D
Acq: 14 May 2025 17:15

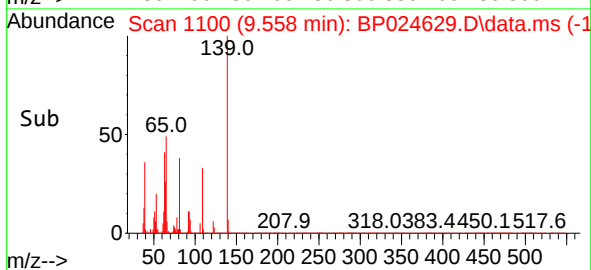
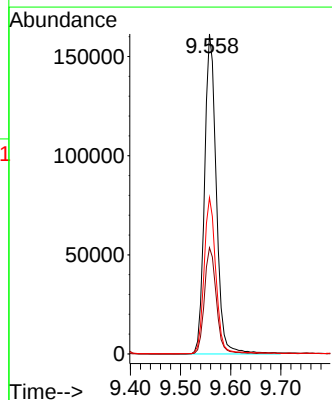
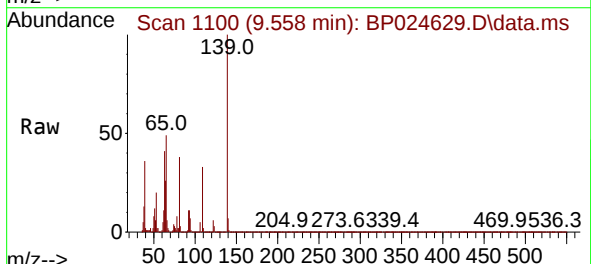
Instrument :
BNA_P
ClientSampleId :
HW0425-PT-BNA-SOIL

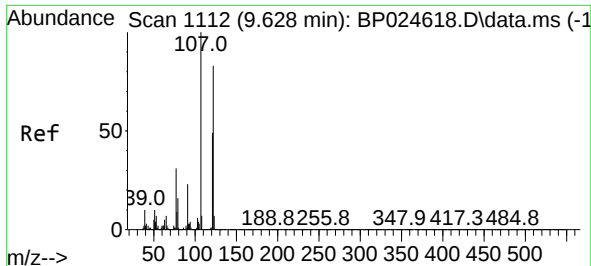
Tgt Ion: 82 Resp: 1336524
Ion Ratio Lower Upper
82 100
95 8.2 6.3 9.5
138 19.4 15.3 22.9



#26
2-Nitrophenol
Concen: 63.265 ng
RT: 9.558 min Scan# 1100
Delta R.T. -0.006 min
Lab File: BP024629.D
Acq: 14 May 2025 17:15

Tgt Ion: 139 Resp: 264291
Ion Ratio Lower Upper
139 100
109 33.2 25.9 38.9
65 48.8 37.9 56.9





#27

2,4-Dimethylphenol

Concen: 2.336 ng

RT: 9.558 min Scan# 1110

Delta R.T. -0.070 min

Lab File: BP024629.D

Acq: 14 May 2025 17:15

Instrument :

BNA_P

ClientSampleId :

HW0425-PT-BNA-SOIL

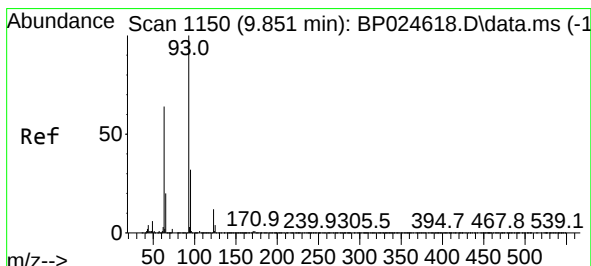
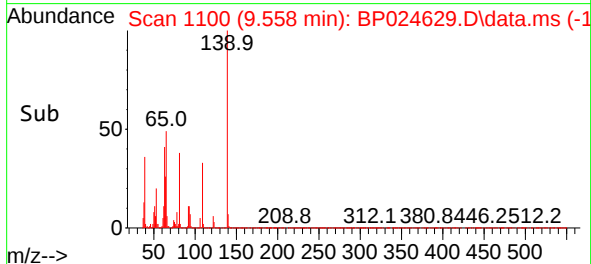
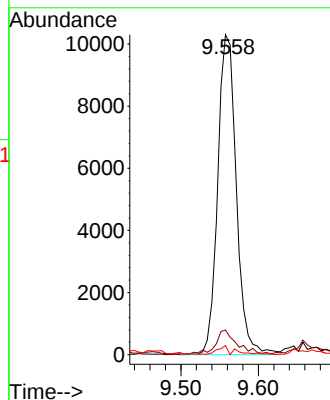
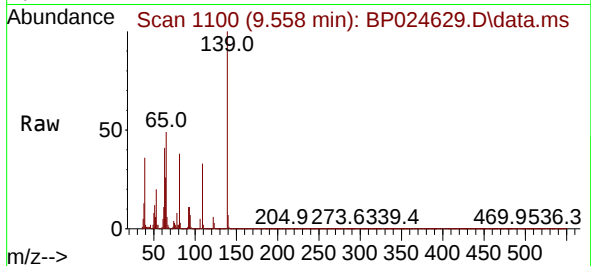
Tgt Ion:122 Resp: 17208

Ion Ratio Lower Upper

122 100

107 7.7 96.2 144.2#

121 2.8 47.6 71.4#



#28

bis(2-Chloroethoxy)methane

Concen: 128.198 ng

RT: 9.852 min Scan# 1150

Delta R.T. 0.000 min

Lab File: BP024629.D

Acq: 14 May 2025 17:15

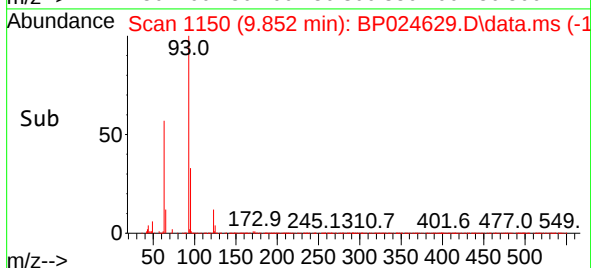
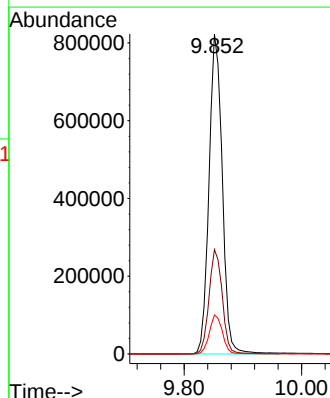
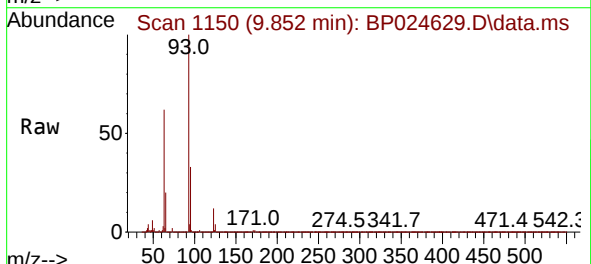
Tgt Ion: 93 Resp: 1287076

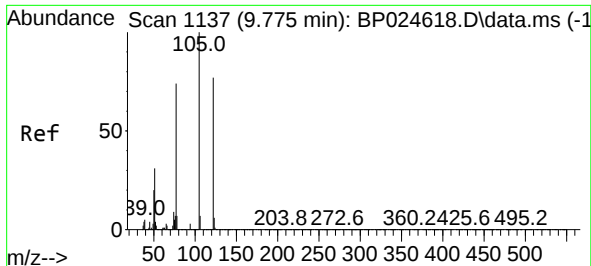
Ion Ratio Lower Upper

93 100

95 32.6 25.5 38.3

123 12.2 9.7 14.5

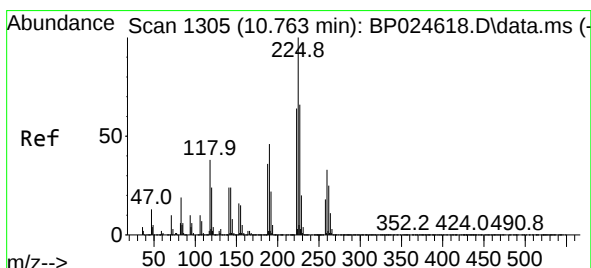
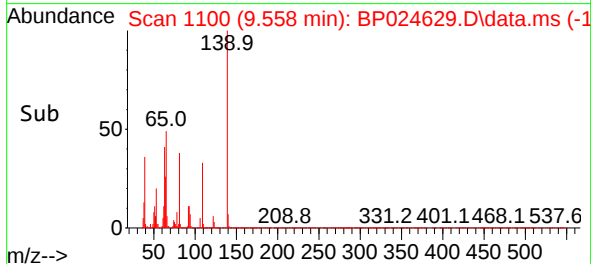
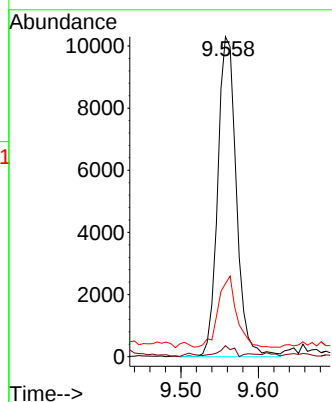
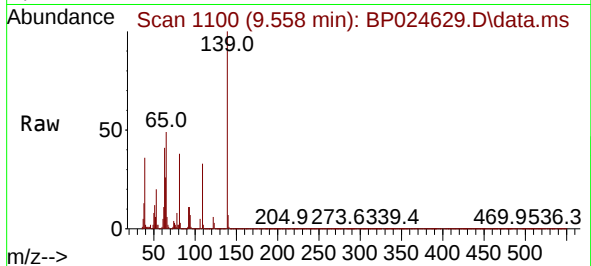




#32
Benzoic acid
Concen: 10.302 ng
RT: 9.558 min Scan# 11
Delta R.T. -0.217 min
Lab File: BP024629.D
Acq: 14 May 2025 17:15

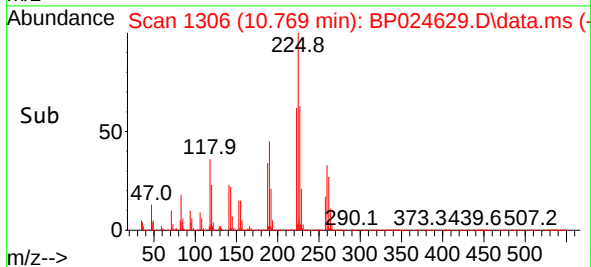
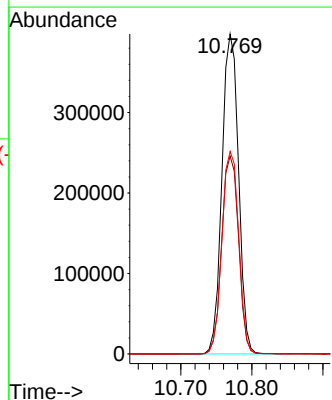
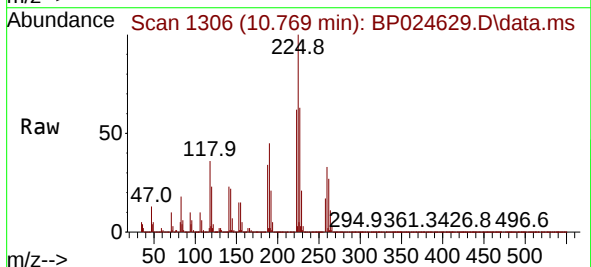
Instrument :
BNA_P
ClientSampleId :
HW0425-PT-BNA-SOIL

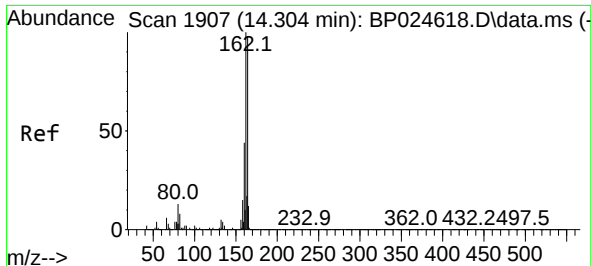
Tgt Ion:122 Resp: 17208
Ion Ratio Lower Upper
122 100
105 3.4 106.9 146.9#
77 22.9 75.1 115.1#



#34
Hexachlorobutadiene
Concen: 123.258 ng
RT: 10.769 min Scan# 1306
Delta R.T. 0.006 min
Lab File: BP024629.D
Acq: 14 May 2025 17:15

Tgt Ion:225 Resp: 642229
Ion Ratio Lower Upper
225 100
223 61.9 51.0 76.6
227 63.3 53.1 79.7

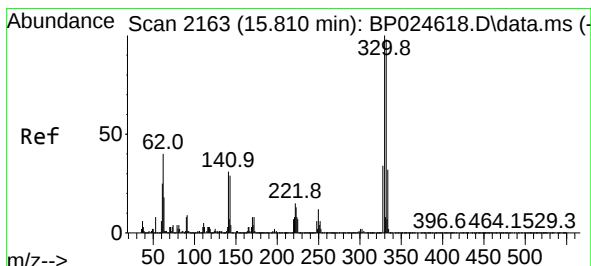
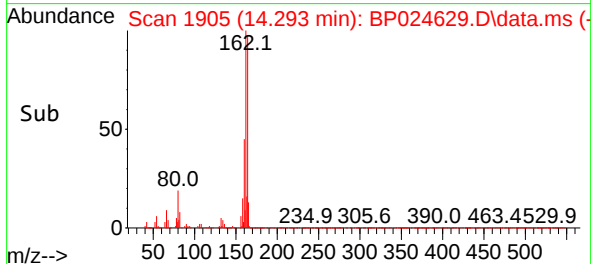
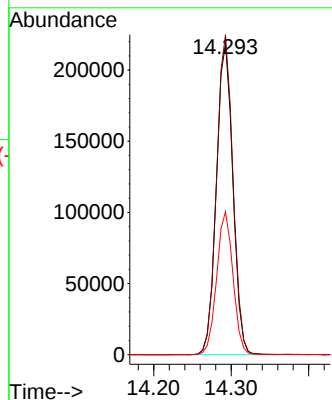
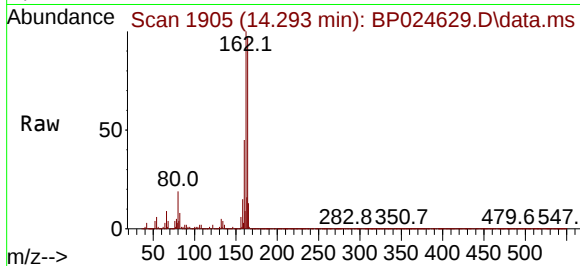




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.293 min Scan# 1905
Delta R.T. -0.012 min
Lab File: BP024629.D
Acq: 14 May 2025 17:15

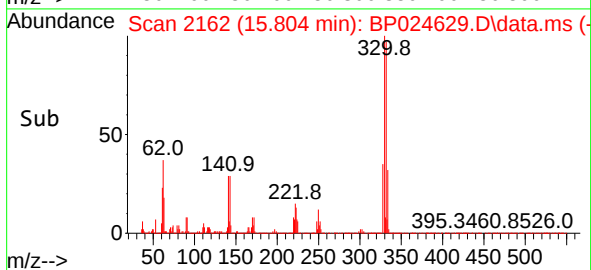
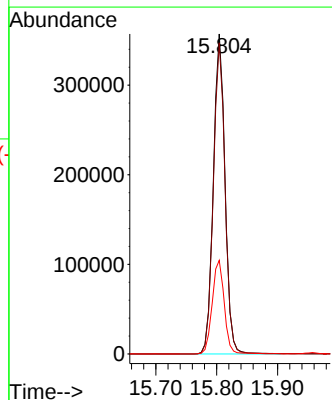
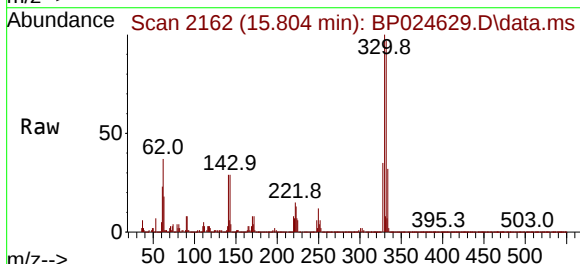
Instrument :
BNA_P
ClientSampleId :
HW0425-PT-BNA-SOIL

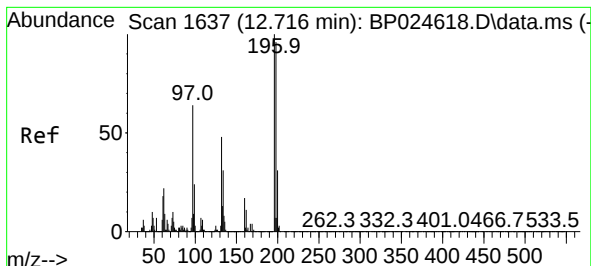
Tgt Ion:164 Resp: 322776
Ion Ratio Lower Upper
164 100
162 102.8 81.8 122.6
160 46.0 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 87.050 ng
RT: 15.804 min Scan# 2162
Delta R.T. -0.006 min
Lab File: BP024629.D
Acq: 14 May 2025 17:15

Tgt Ion:330 Resp: 476334
Ion Ratio Lower Upper
330 100
332 97.2 78.2 117.4
141 30.2 24.3 36.5





#43

2,4,6-Trichlorophenol

Concen: 105.445 ng

RT: 12.716 min Scan# 1637

Delta R.T. 0.000 min

Lab File: BP024629.D

Acq: 14 May 2025 17:15

Instrument :

BNA_P

ClientSampleId :

HW0425-PT-BNA-SOIL

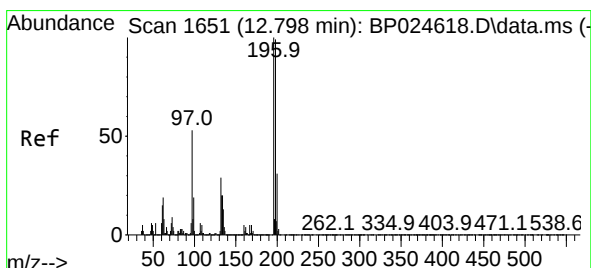
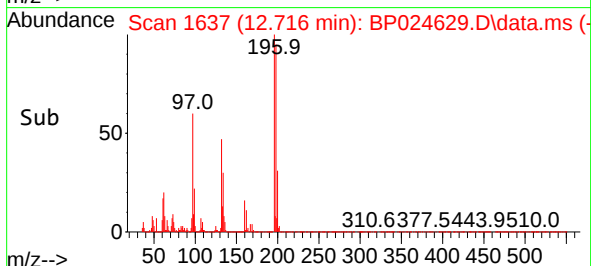
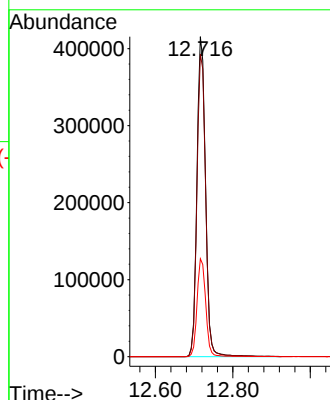
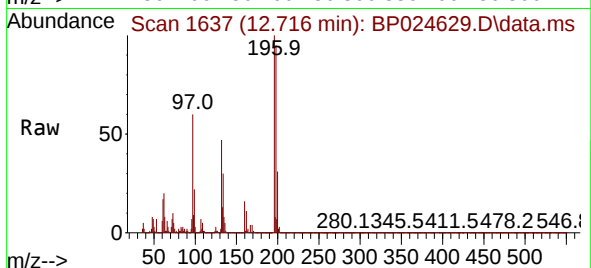
Tgt Ion:196 Resp: 640159

Ion Ratio Lower Upper

196 100

198 94.5 76.9 115.3

200 30.6 25.2 37.8



#44

2,4,5-Trichlorophenol

Concen: 94.729 ng

RT: 12.716 min Scan# 1637

Delta R.T. -0.082 min

Lab File: BP024629.D

Acq: 14 May 2025 17:15

Tgt Ion:196 Resp: 640159

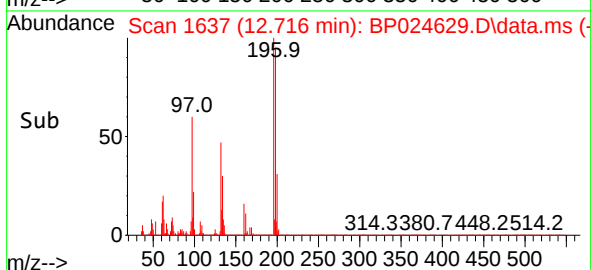
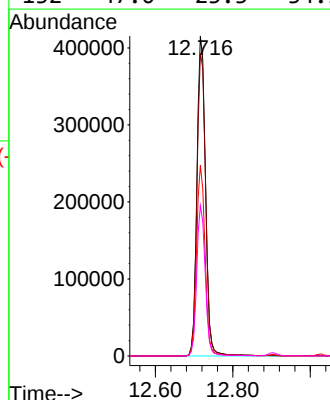
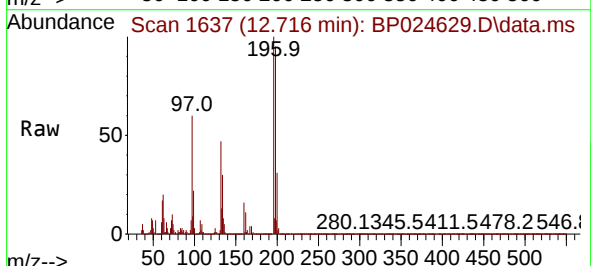
Ion Ratio Lower Upper

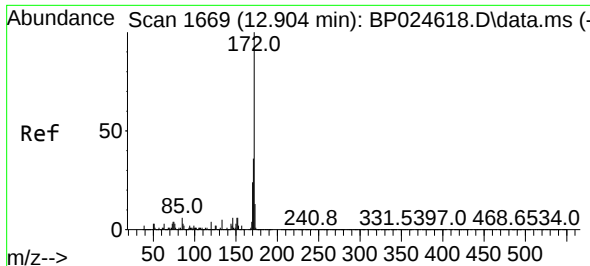
196 100

198 94.5 79.2 118.8

97 59.5 42.3 63.5

132 47.0 23.3 34.9#

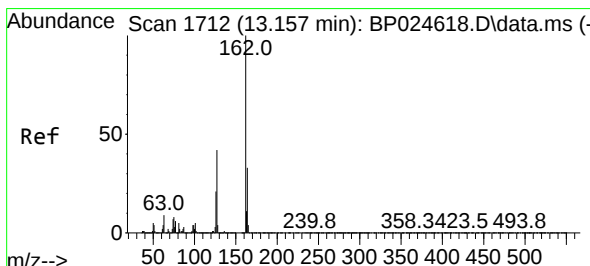
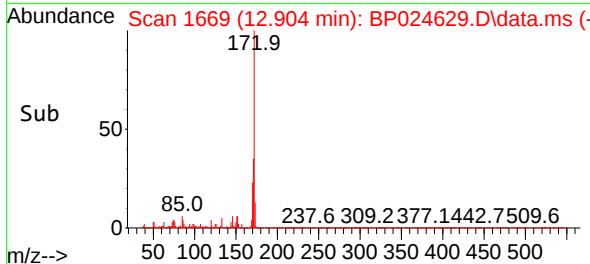
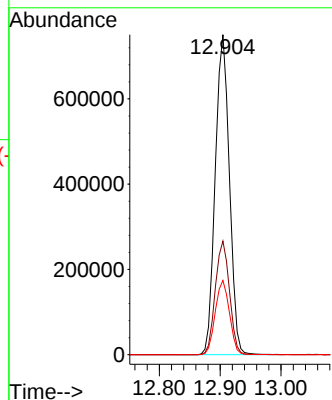
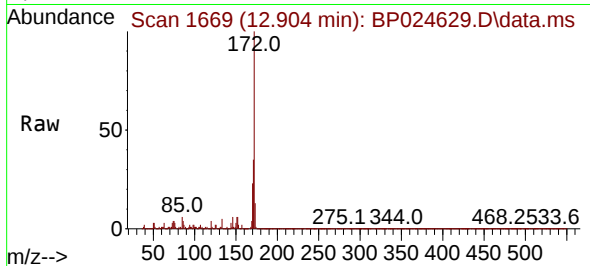




#45
2-Fluorobiphenyl
Concen: 49.133 ng
RT: 12.904 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BP024629.D
Acq: 14 May 2025 17:15

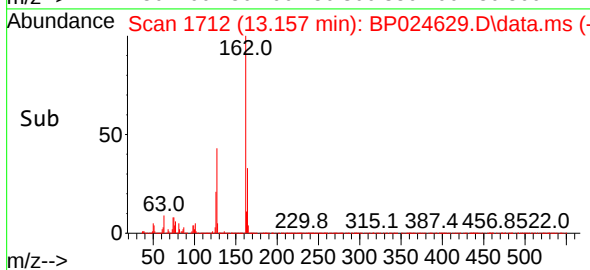
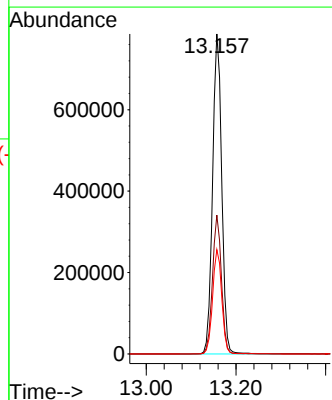
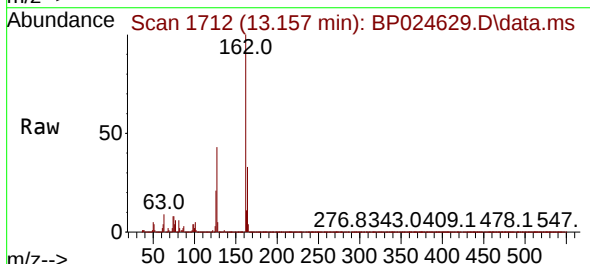
Instrument :
BNA_P
ClientSampleId :
HW0425-PT-BNA-SOIL

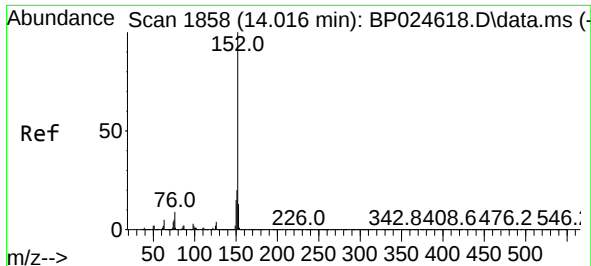
Tgt Ion:172 Resp: 1210485
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 23.2 18.8 28.2



#47
2-Chloronaphthalene
Concen: 61.296 ng
RT: 13.157 min Scan# 1712
Delta R.T. 0.000 min
Lab File: BP024629.D
Acq: 14 May 2025 17:15

Tgt Ion:162 Resp: 1114977
Ion Ratio Lower Upper
162 100
127 43.4 33.8 50.6
164 32.6 26.0 39.0

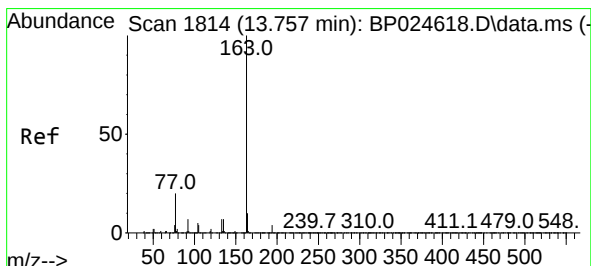
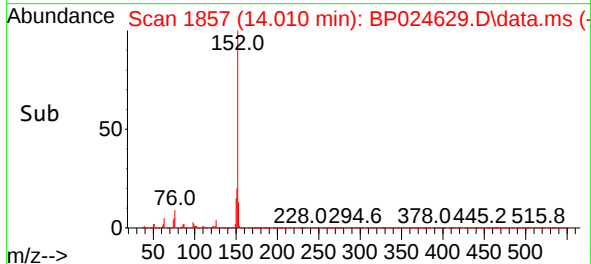
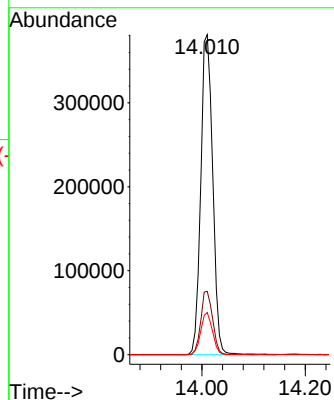
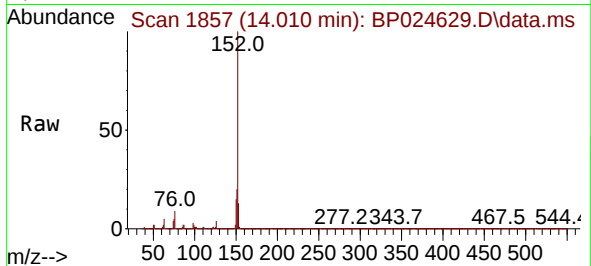




#49
Acenaphthylene
Concen: 20.085 ng
RT: 14.010 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024629.D
Acq: 14 May 2025 17:15

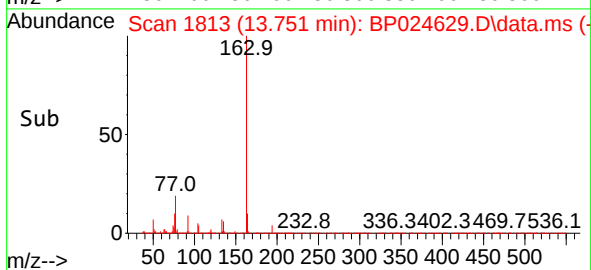
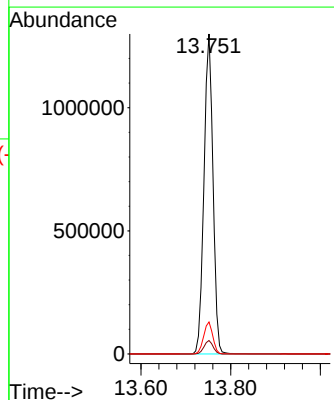
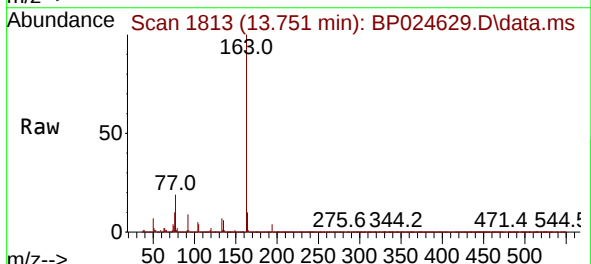
Instrument :
BNA_P
ClientSampleId :
HW0425-PT-BNA-SOIL

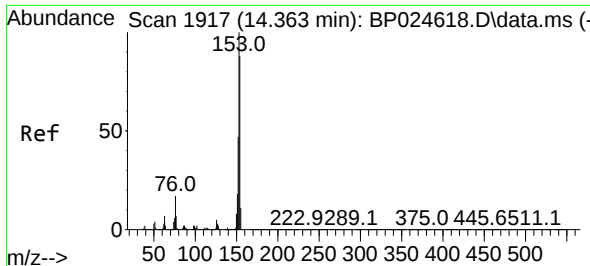
Tgt Ion:152 Resp: 611392
Ion Ratio Lower Upper
152 100
151 19.8 16.2 24.4
153 13.2 10.2 15.4



#50
Dimethylphthalate
Concen: 73.549 ng
RT: 13.751 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BP024629.D
Acq: 14 May 2025 17:15

Tgt Ion:163 Resp: 1809456
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.0
164 10.0 8.1 12.1

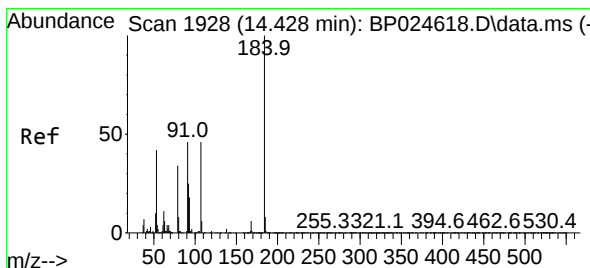
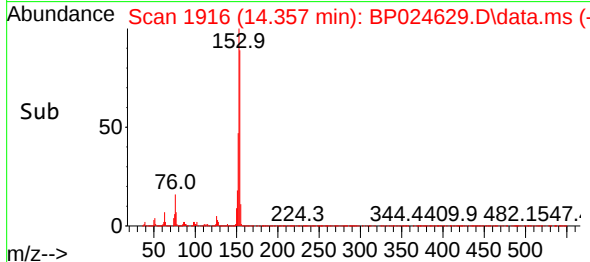
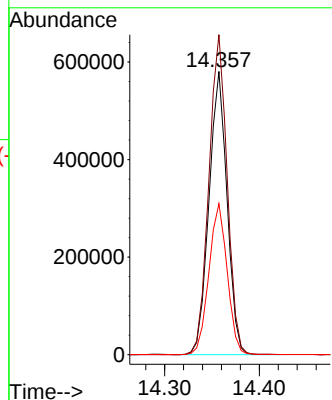
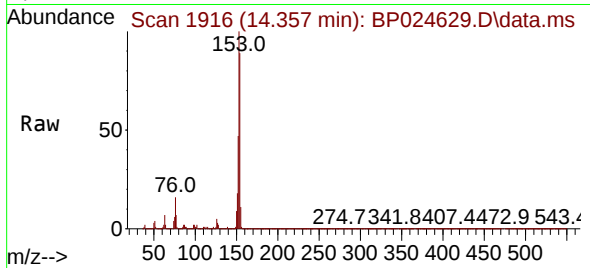




#52
Acenaphthene
Concen: 43.895 ng
RT: 14.357 min Scan# 1916
Delta R.T. -0.006 min
Lab File: BP024629.D
Acq: 14 May 2025 17:15

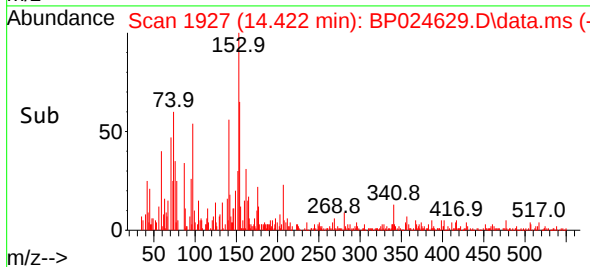
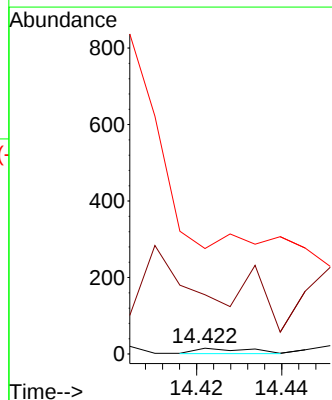
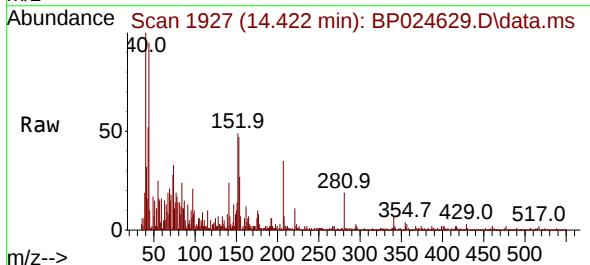
Instrument :
BNA_P
ClientSampleId :
HW0425-PT-BNA-SOIL

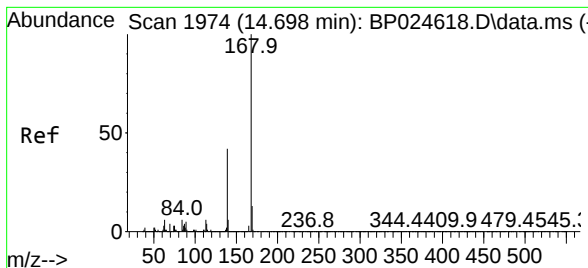
Tgt Ion:154 Resp: 768157
Ion Ratio Lower Upper
154 100
153 113.0 91.0 136.4
152 53.3 42.9 64.3



#54
2,4-Dinitrophenol
Concen: 6.404 ng
RT: 14.422 min Scan# 1927
Delta R.T. -0.006 min
Lab File: BP024629.D
Acq: 14 May 2025 17:15

Tgt Ion:184 Resp: 12
Ion Ratio Lower Upper
184 100
63 1033.3 51.3 76.9#
154 1840.0 53.5 80.3#





#55

Dibenzofuran

Concen: 73.822 ng

RT: 14.693 min Scan# 1973

Delta R.T. -0.006 min

Lab File: BP024629.D

Acq: 14 May 2025 17:15

Instrument :

BNA_P

ClientSampleId :

HW0425-PT-BNA-SOIL

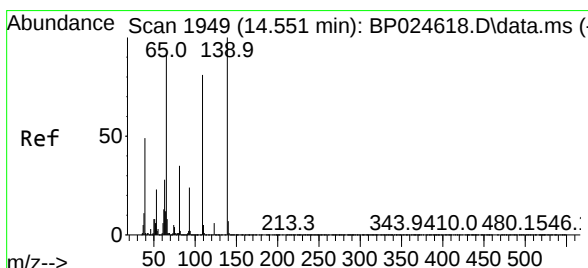
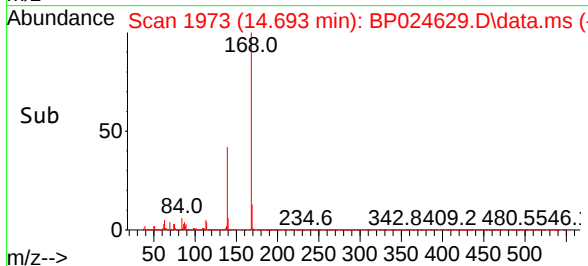
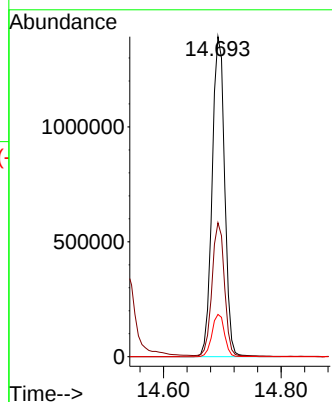
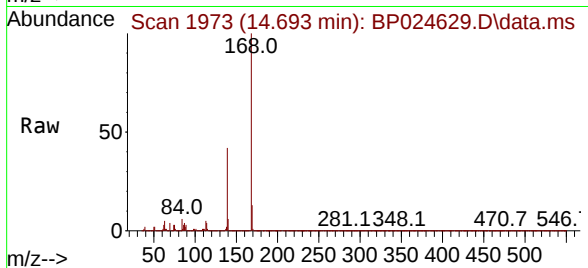
Tgt Ion:168 Resp: 2060616

Ion Ratio Lower Upper

168 100

139 41.9 34.2 51.4

169 13.2 10.8 16.2



#56

4-Nitrophenol

Concen: 143.328 ng

RT: 14.540 min Scan# 1947

Delta R.T. -0.011 min

Lab File: BP024629.D

Acq: 14 May 2025 17:15

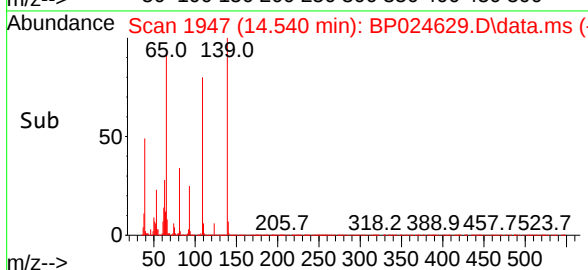
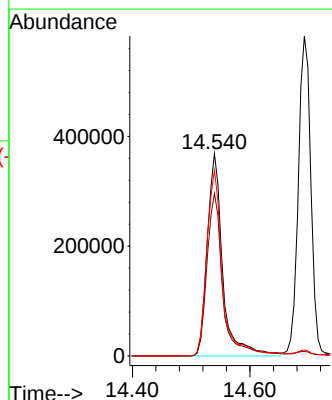
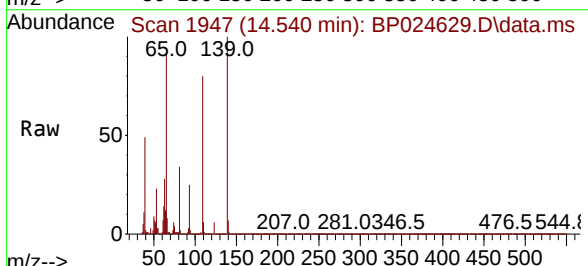
Tgt Ion:139 Resp: 674569

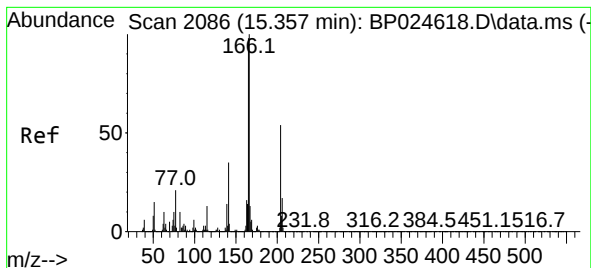
Ion Ratio Lower Upper

139 100

109 80.3 61.4 101.4

65 91.7 72.2 112.2





#58

Fluorene

Concen: 123.925 ng

RT: 15.357 min Scan# 2086

Delta R.T. 0.000 min

Lab File: BP024629.D

Acq: 14 May 2025 17:15

Instrument :

BNA_P

ClientSampleId :

HW0425-PT-BNA-SOIL

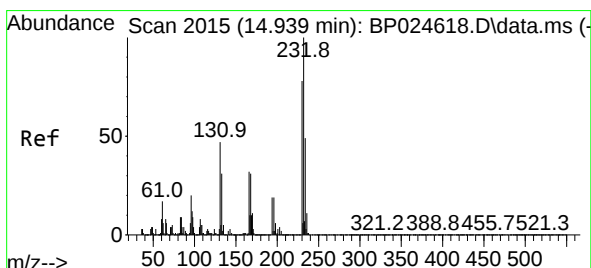
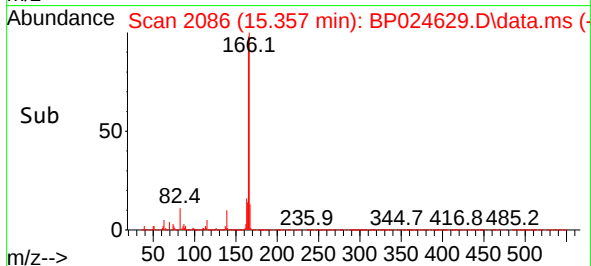
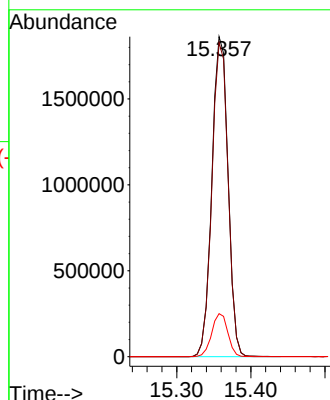
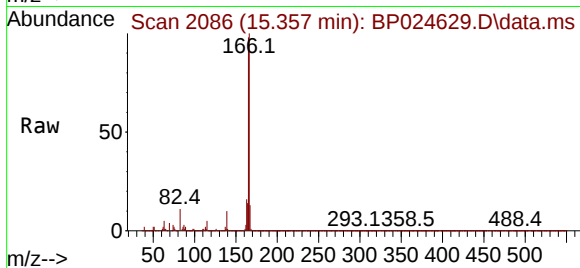
Tgt Ion:166 Resp: 2820578

Ion Ratio Lower Upper

166 100

165 98.1 78.5 117.7

167 13.5 10.7 16.1



#59

2,3,4,6-Tetrachlorophenol

Concen: 97.575 ng

RT: 14.934 min Scan# 2014

Delta R.T. -0.006 min

Lab File: BP024629.D

Acq: 14 May 2025 17:15

Tgt Ion:232 Resp: 611688

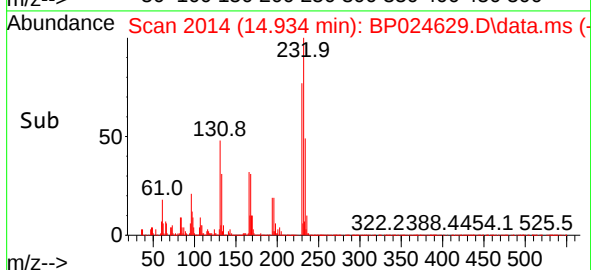
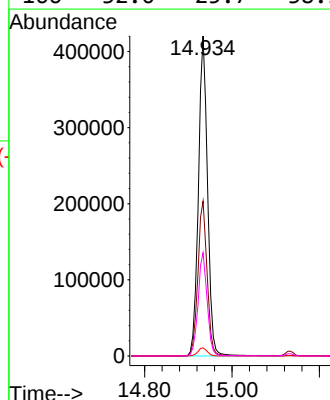
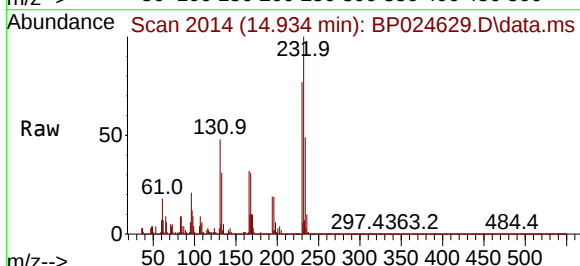
Ion Ratio Lower Upper

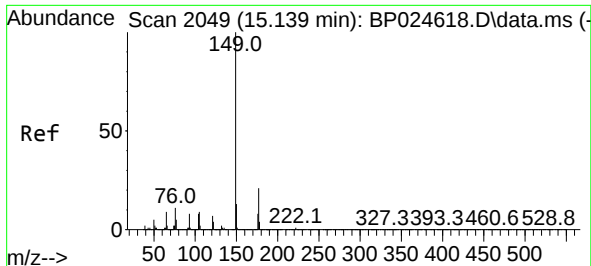
232 100

131 48.9 39.5 59.3

130 2.6 2.2 3.4

166 32.0 25.7 38.5

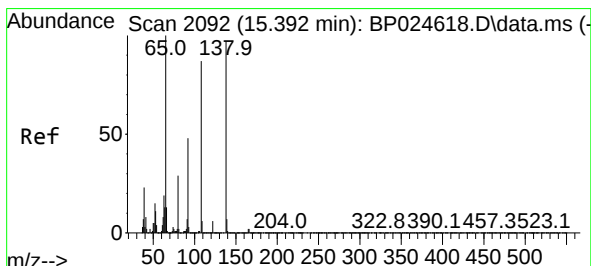
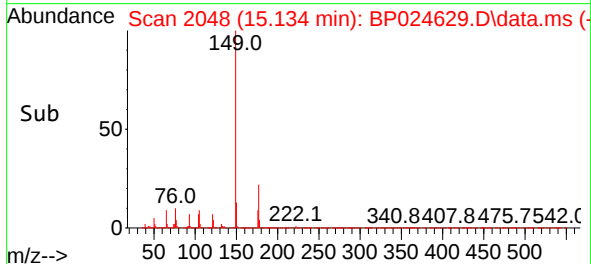
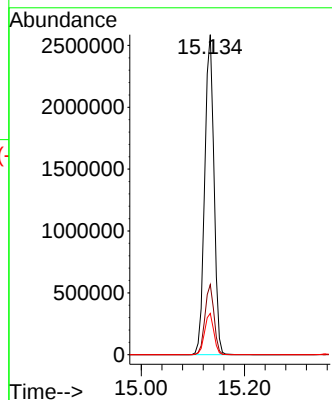
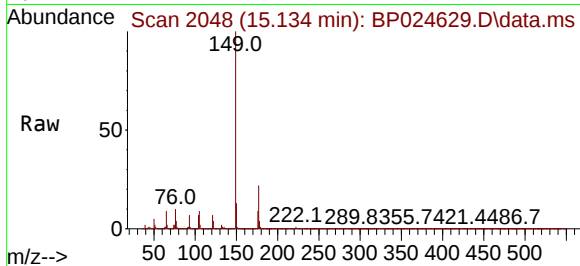




#60
Diethylphthalate
Concen: 129.406 ng
RT: 15.134 min Scan# 2048
Delta R.T. -0.006 min
Lab File: BP024629.D
Acq: 14 May 2025 17:15

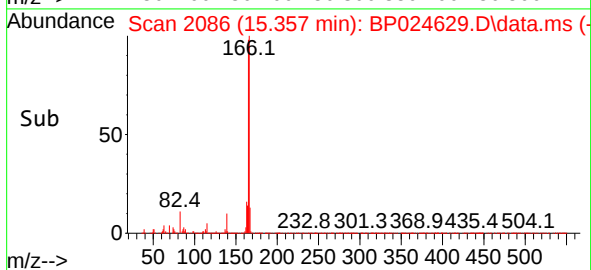
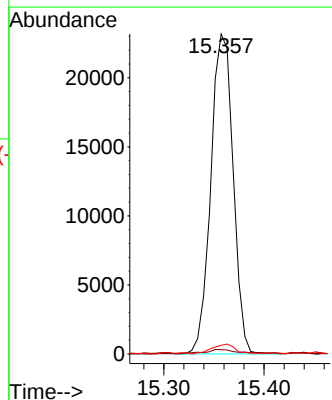
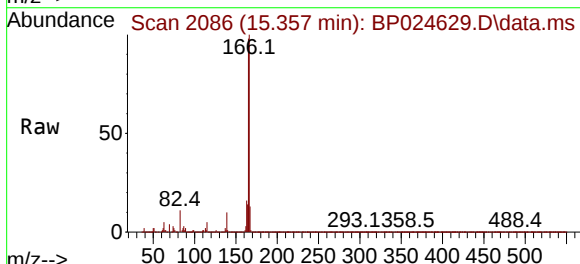
Instrument :
BNA_P
ClientSampleId :
HW0425-PT-BNA-SOIL

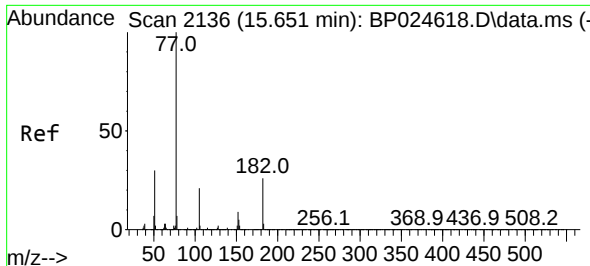
Tgt Ion:149 Resp: 3217755
Ion Ratio Lower Upper
149 100
177 21.9 16.7 25.1
150 12.9 10.2 15.2



#62
4-Nitroaniline
Concen: 6.998 ng
RT: 15.357 min Scan# 2086
Delta R.T. -0.035 min
Lab File: BP024629.D
Acq: 14 May 2025 17:15

Tgt Ion:138 Resp: 35846
Ion Ratio Lower Upper
138 100
92 1.4 29.2 69.2#
108 2.7 69.0 109.0#

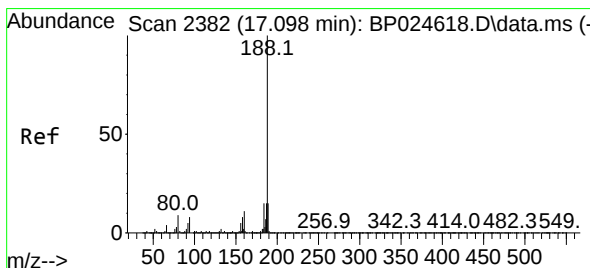
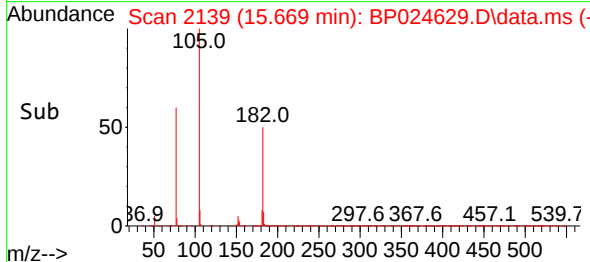
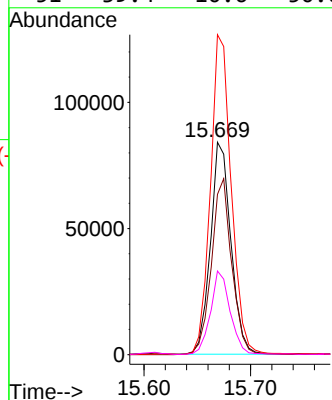
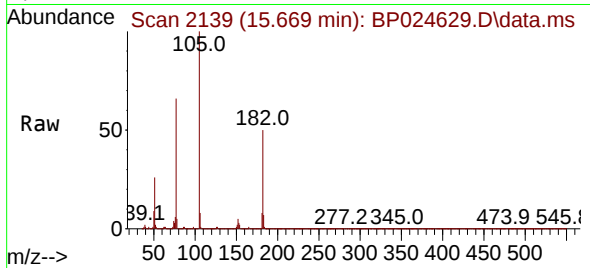




#63
Azobenzene
Concen: 5.291 ng
RT: 15.669 min Scan# 2136
Delta R.T. 0.018 min
Lab File: BP024629.D
Acq: 14 May 2025 17:15

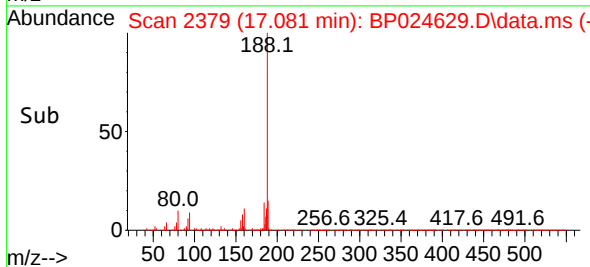
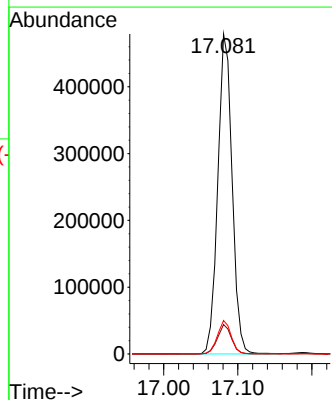
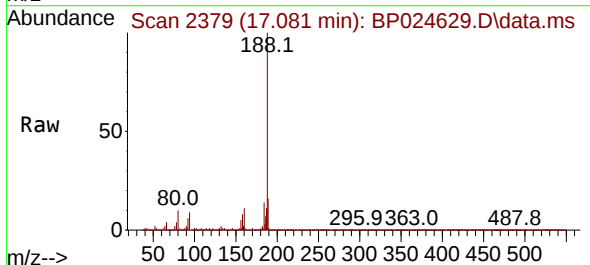
Instrument :
BNA_P
ClientSampleId :
HW0425-PT-BNA-SOIL

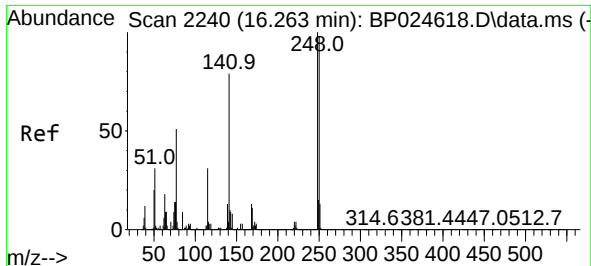
Tgt Ion: 77 Resp: 112556
Ion Ratio Lower Upper
77 100
182 75.4 5.7 45.7#
105 150.5 1.3 41.3#
51 39.4 10.6 50.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.081 min Scan# 2379
Delta R.T. -0.018 min
Lab File: BP024629.D
Acq: 14 May 2025 17:15

Tgt Ion: 188 Resp: 641385
Ion Ratio Lower Upper
188 100
94 9.2 6.5 9.7
80 10.5 7.3 10.9

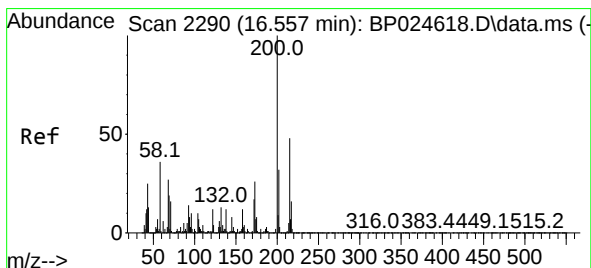
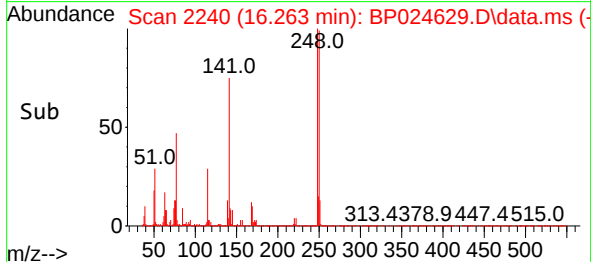
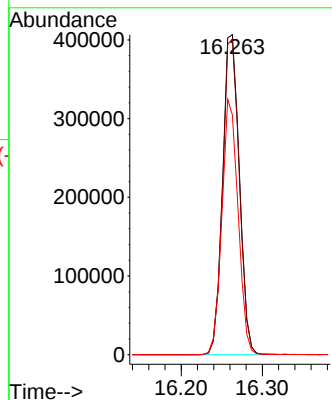
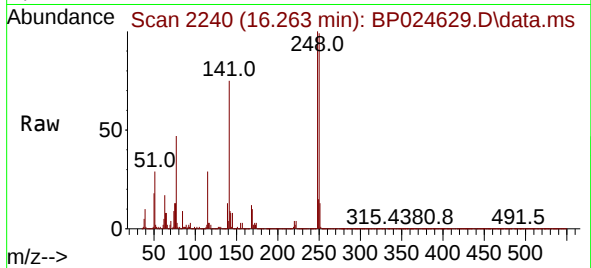




#67
4-Bromophenyl-phenylether
Concen: 77.525 ng
RT: 16.263 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BP024629.D
Acq: 14 May 2025 17:15

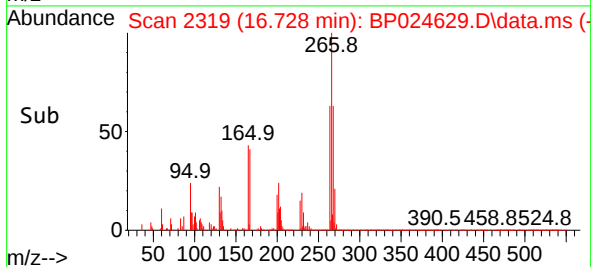
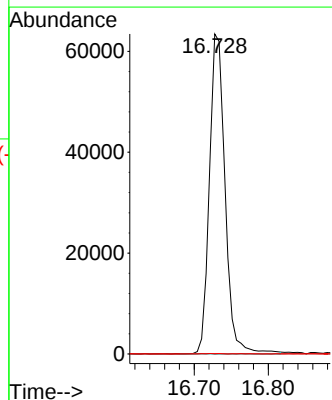
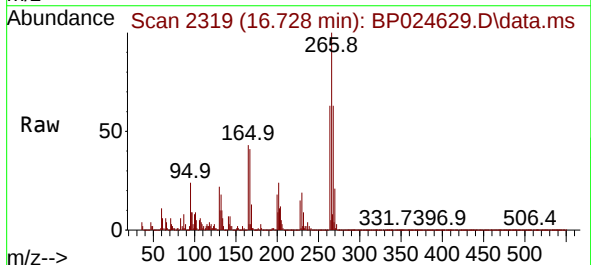
Instrument :
BNA_P
ClientSampleId :
HW0425-PT-BNA-SOIL

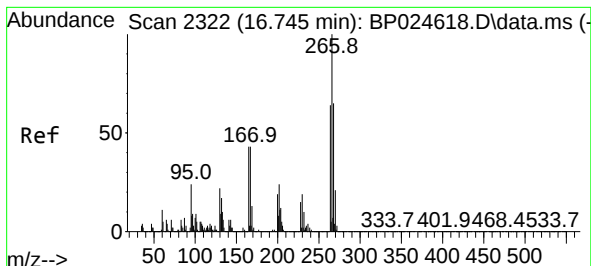
Tgt Ion:248 Resp: 585913
Ion Ratio Lower Upper
248 100
250 98.7 78.2 117.4
141 74.9 63.0 94.6



#69
Atrazine
Concen: 12.896 ng
RT: 16.728 min Scan# 2319
Delta R.T. 0.171 min
Lab File: BP024629.D
Acq: 14 May 2025 17:15

Tgt Ion:200 Resp: 93105
Ion Ratio Lower Upper
200 100
173 0.0 5.9 45.9#
215 0.1 28.3 68.3#





#70

Pentachlorophenol

Concen: 96.608 ng

RT: 16.728 min Scan# 21

Delta R.T. -0.018 min

Lab File: BP024629.D

Acq: 14 May 2025 17:15

Instrument :

BNA_P

ClientSampleId :

HW0425-PT-BNA-SOIL

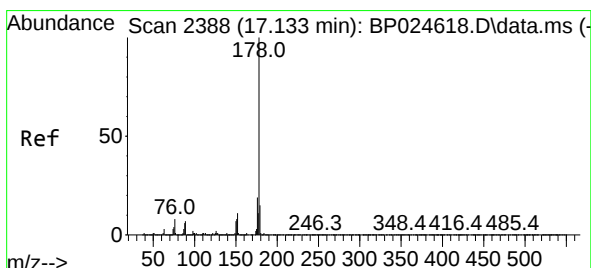
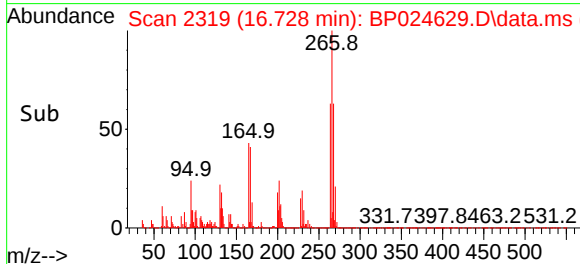
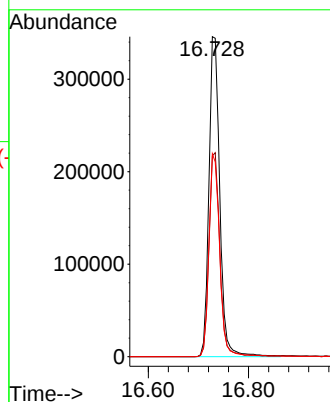
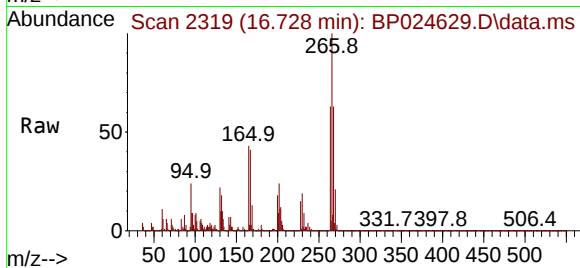
Tgt Ion:266 Resp: 520803

Ion Ratio Lower Upper

266 100

268 62.8 52.2 78.4

264 63.4 51.1 76.7



#71

Phenanthrene

Concen: 29.960 ng

RT: 17.228 min Scan# 2404

Delta R.T. 0.094 min

Lab File: BP024629.D

Acq: 14 May 2025 17:15

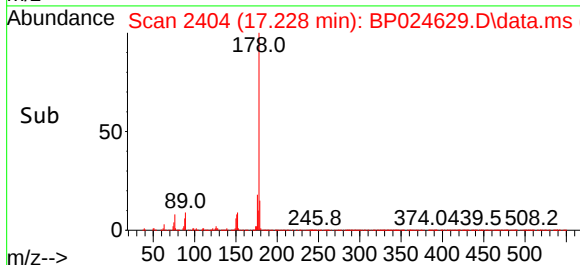
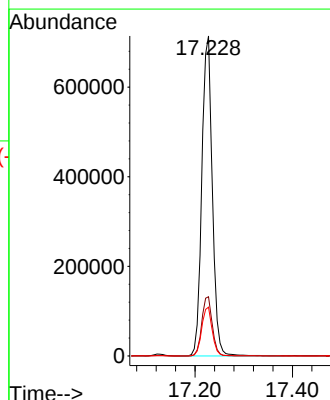
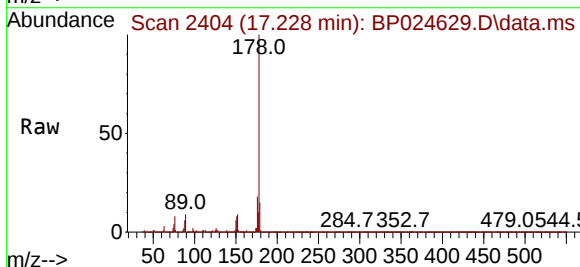
Tgt Ion:178 Resp: 1068233

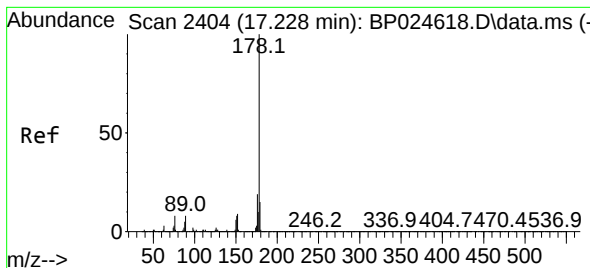
Ion Ratio Lower Upper

178 100

176 18.5 15.4 23.2

179 15.3 12.2 18.4





#72

Anthracene

Concen: 29.778 ng

RT: 17.228 min Scan# 2404

Delta R.T. 0.000 min

Lab File: BP024629.D

Acq: 14 May 2025 17:15

Instrument :

BNA_P

ClientSampleId :

HW0425-PT-BNA-SOIL

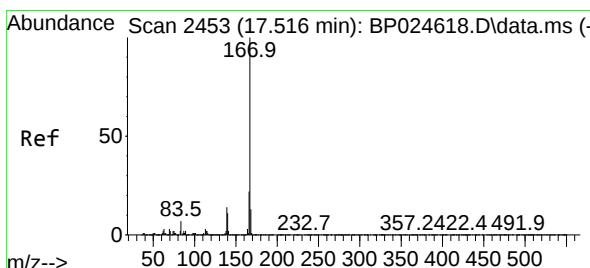
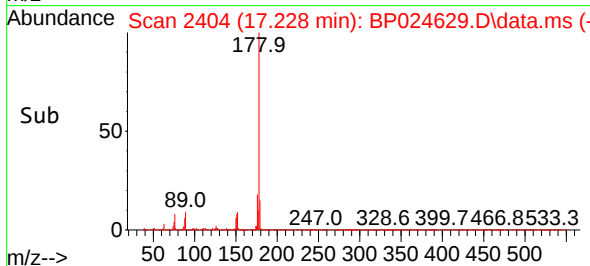
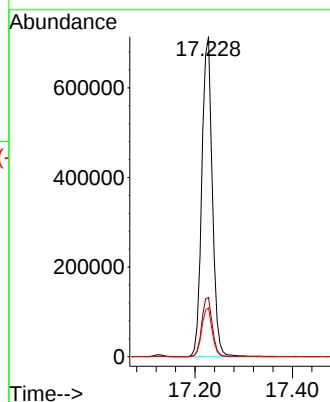
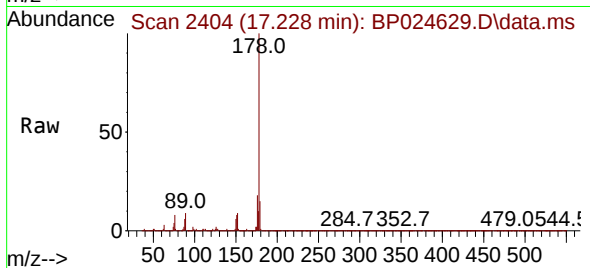
Tgt Ion:178 Resp: 1068233

Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.4

179 15.3 12.2 18.2



#73

Carbazole

Concen: 106.604 ng

RT: 17.510 min Scan# 2452

Delta R.T. -0.006 min

Lab File: BP024629.D

Acq: 14 May 2025 17:15

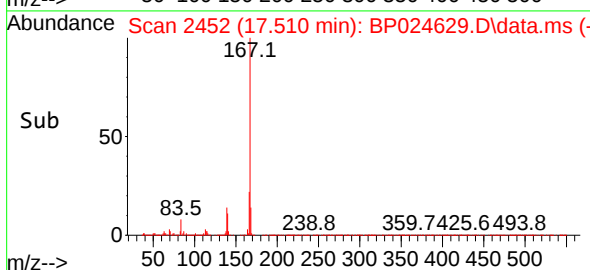
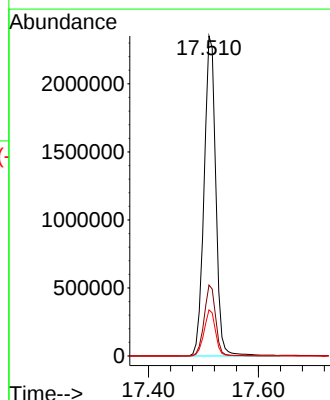
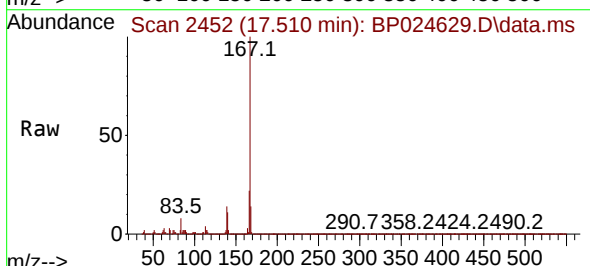
Tgt Ion:167 Resp: 3461335

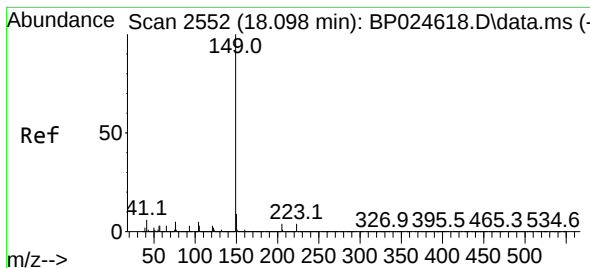
Ion Ratio Lower Upper

167 100

166 22.1 17.7 26.5

139 14.4 11.3 16.9





#74

Di-n-butylphthalate

Concen: 118.534 ng

RT: 18.098 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP024629.D

Acq: 14 May 2025 17:15

Instrument :

BNA_P

ClientSampleId :

HW0425-PT-BNA-SOIL

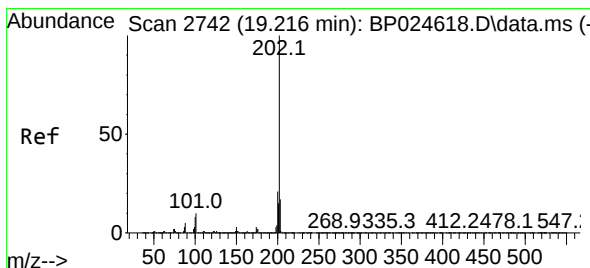
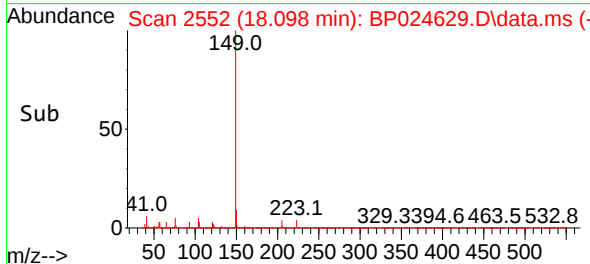
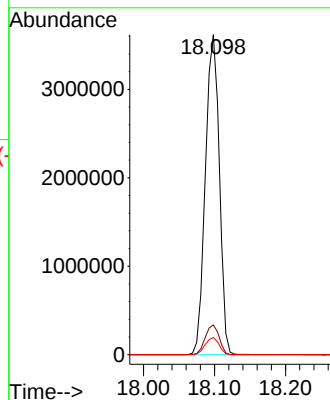
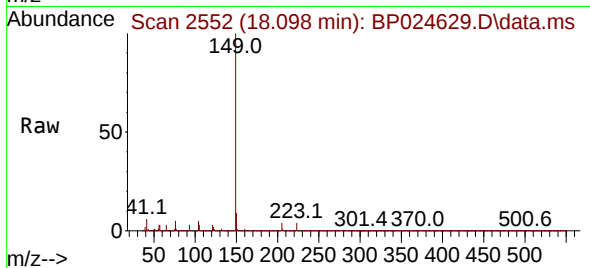
Tgt Ion:149 Resp: 4949741

Ion Ratio Lower Upper

149 100

150 9.3 7.2 10.8

104 5.4 4.3 6.5



#75

Fluoranthene

Concen: 125.106 ng

RT: 19.222 min Scan# 2743

Delta R.T. 0.006 min

Lab File: BP024629.D

Acq: 14 May 2025 17:15

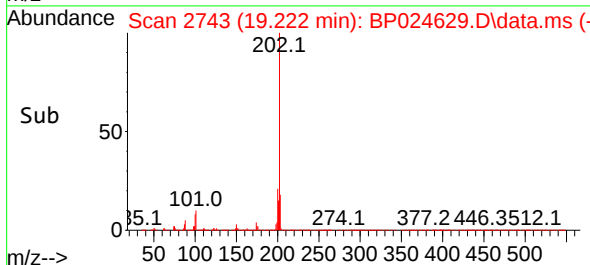
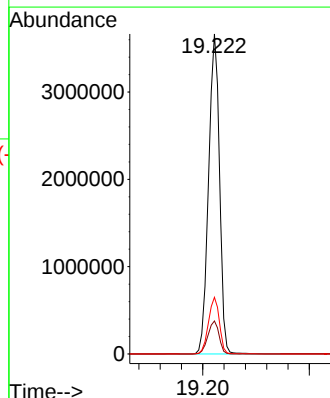
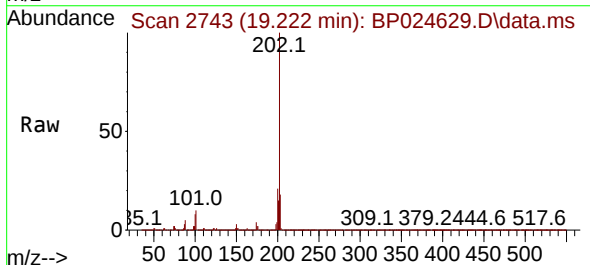
Tgt Ion:202 Resp: 5214264

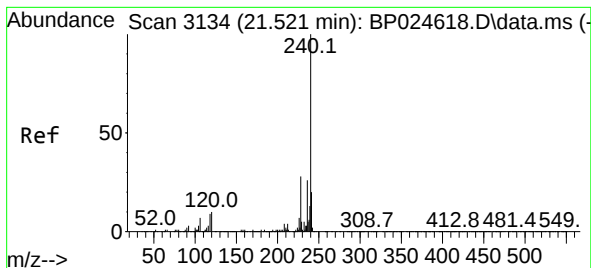
Ion Ratio Lower Upper

202 100

101 10.3 0.0 30.3

203 17.7 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.522 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP024629.D

Acq: 14 May 2025 17:15

Instrument :

BNA_P

ClientSampleId :

HW0425-PT-BNA-SOIL

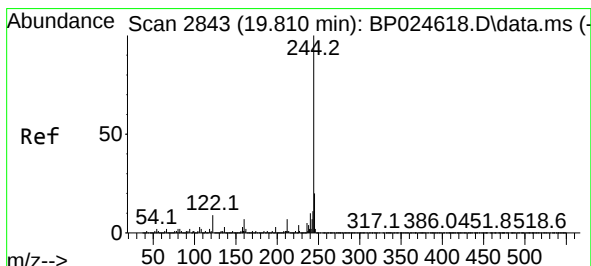
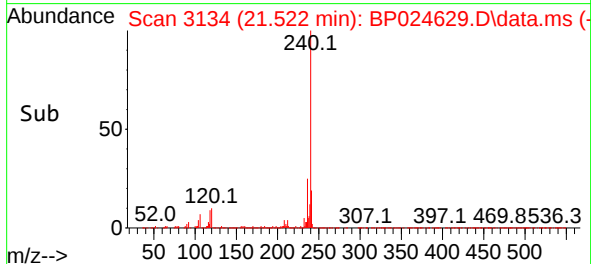
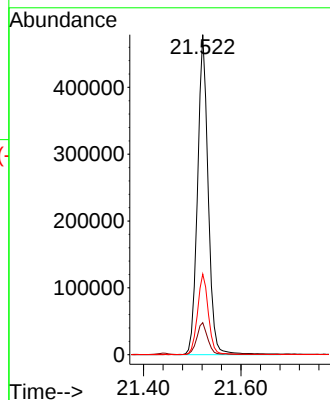
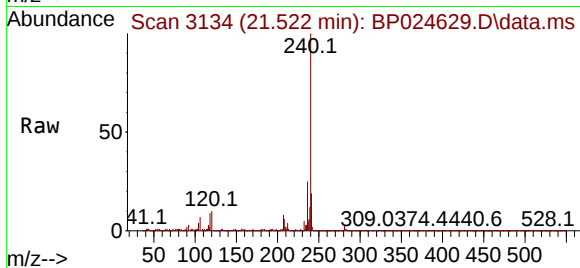
Tgt Ion:240 Resp: 728219

Ion Ratio Lower Upper

240 100

120 10.0 7.8 11.6

236 25.2 20.6 31.0



#79

Terphenyl-d14

Concen: 53.330 ng

RT: 19.810 min Scan# 2843

Delta R.T. 0.000 min

Lab File: BP024629.D

Acq: 14 May 2025 17:15

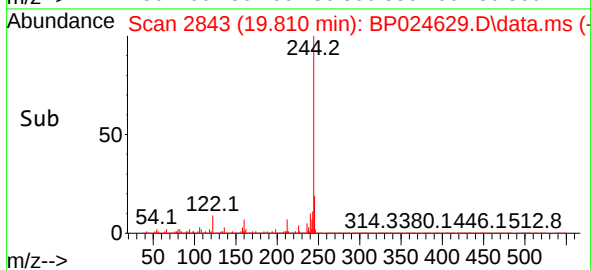
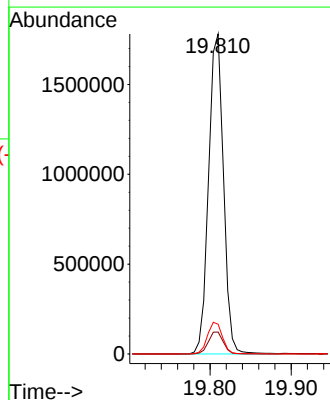
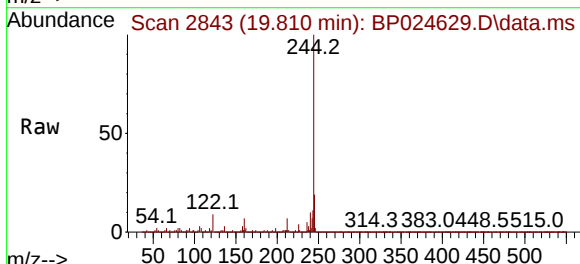
Tgt Ion:244 Resp: 2264885

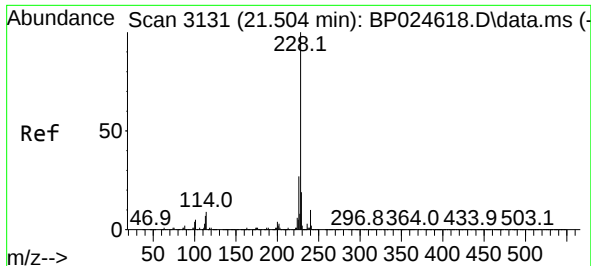
Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

122 9.3 7.4 11.0

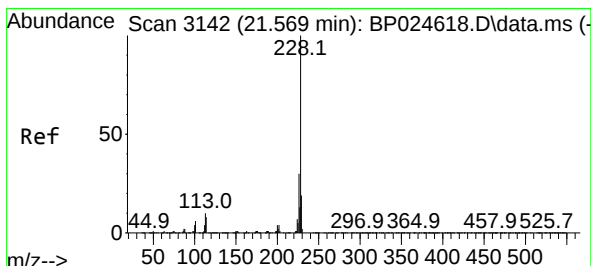
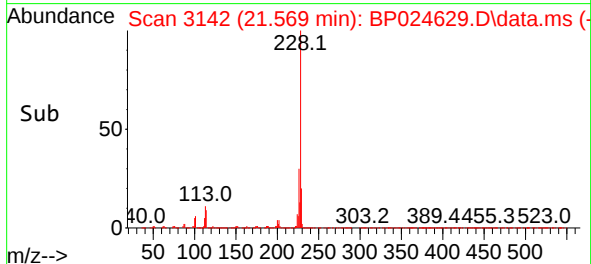
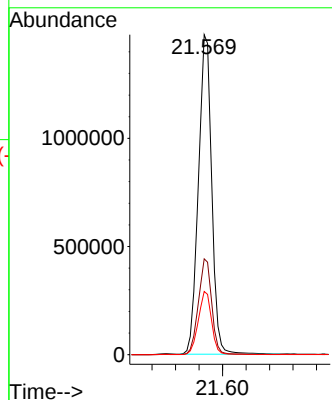
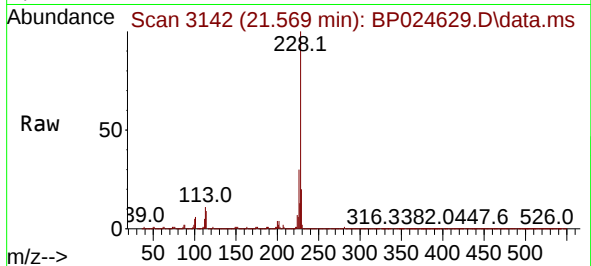




#81
Benzo(a)anthracene
Concen: 50.704 ng
RT: 21.569 min Scan# 3131
Delta R.T. 0.065 min
Lab File: BP024629.D
Acq: 14 May 2025 17:15

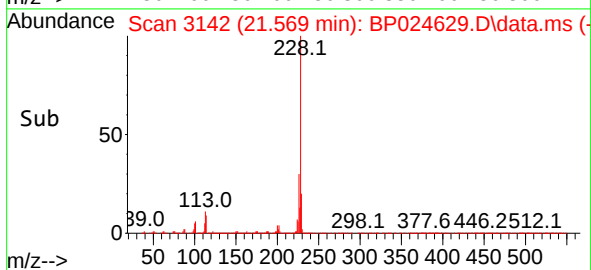
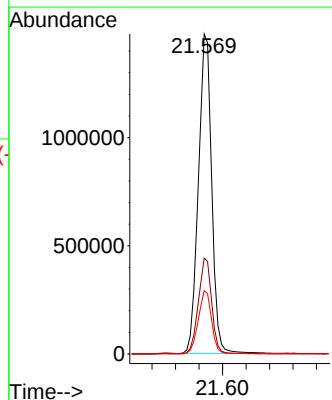
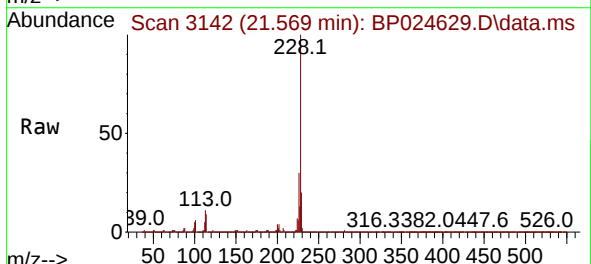
Instrument :
BNA_P
ClientSampleId :
HW0425-PT-BNA-SOIL

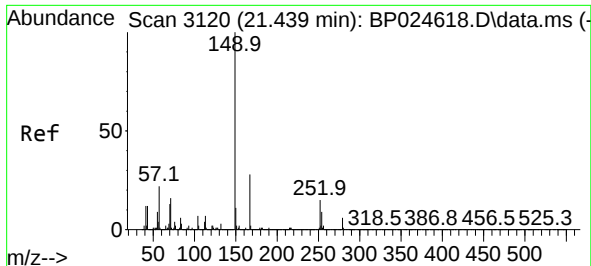
Tgt Ion:228 Resp: 2318465
Ion Ratio Lower Upper
228 100
226 29.9 21.4 32.0
229 19.8 15.5 23.3



#83
Chrysene
Concen: 53.487 ng
RT: 21.569 min Scan# 3142
Delta R.T. 0.000 min
Lab File: BP024629.D
Acq: 14 May 2025 17:15

Tgt Ion:228 Resp: 2318465
Ion Ratio Lower Upper
228 100
226 29.9 23.9 35.9
229 19.8 15.5 23.3



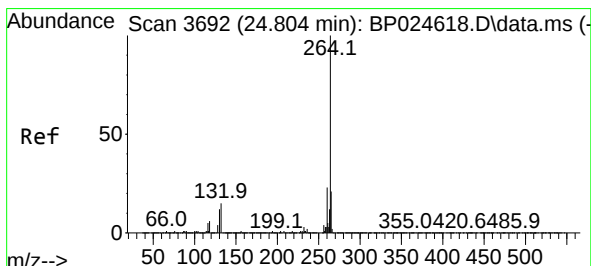
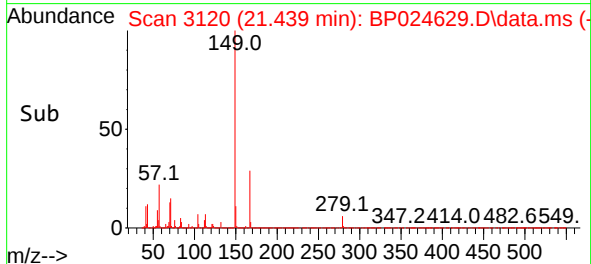
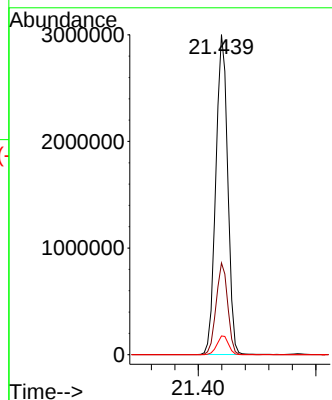
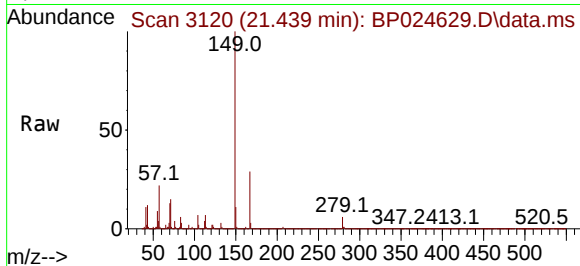


#84
 Bis(2-ethylhexyl)phthalate
 Concen: 147.416 ng
 RT: 21.439 min Scan# 3120
 Delta R.T. 0.000 min
 Lab File: BP024629.D
 Acq: 14 May 2025 17:15

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

Tgt Ion:149 Resp: 4204690

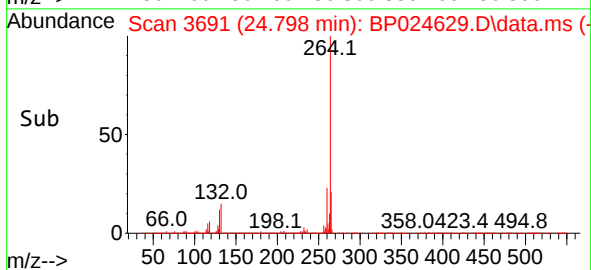
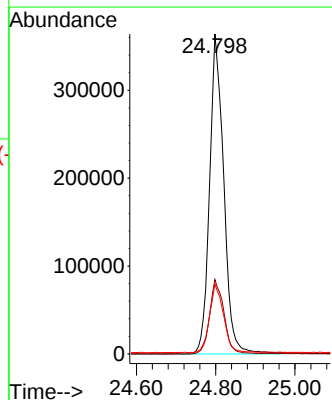
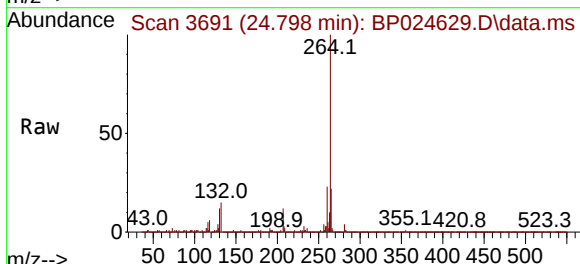
Ion	Ratio	Lower	Upper
149	100		
167	28.6	22.1	33.1
279	5.9	4.6	6.8

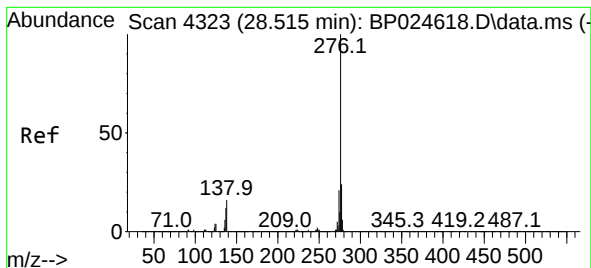


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.798 min Scan# 3691
 Delta R.T. -0.006 min
 Lab File: BP024629.D
 Acq: 14 May 2025 17:15

Tgt Ion:264 Resp: 904308

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.7	28.1
265	21.8	17.0	25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 67.135 ng

RT: 28.527 min Scan# 41

Delta R.T. 0.012 min

Lab File: BP024629.D

Acq: 14 May 2025 17:15

Instrument :

BNA_P

ClientSampleId :

HW0425-PT-BNA-SOIL

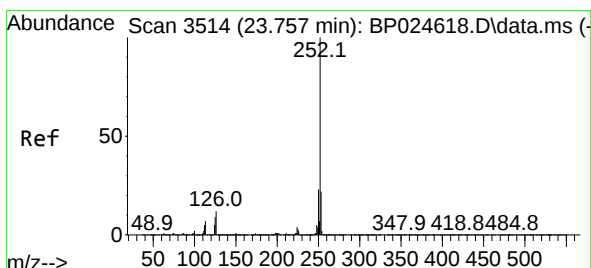
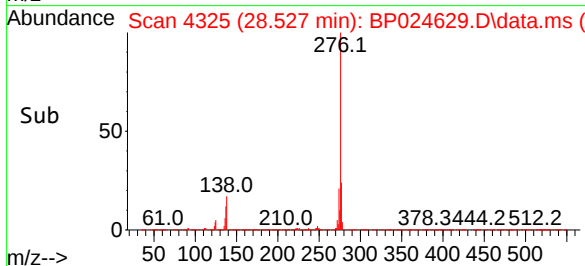
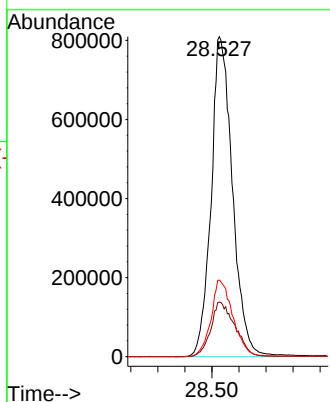
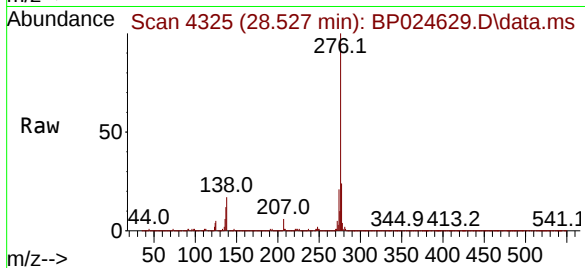
Tgt Ion:276 Resp: 4432202

Ion Ratio Lower Upper

276 100

138 19.4 11.2 16.8#

277 24.6 15.7 23.5#



#88

Benzo(b)fluoranthene

Concen: 43.380 ng

RT: 23.774 min Scan# 3517

Delta R.T. 0.018 min

Lab File: BP024629.D

Acq: 14 May 2025 17:15

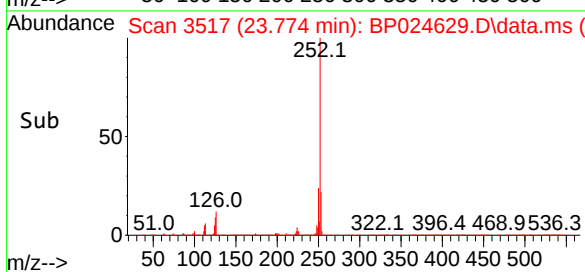
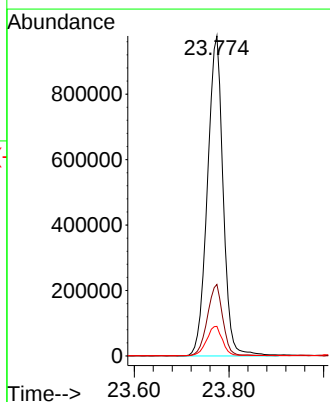
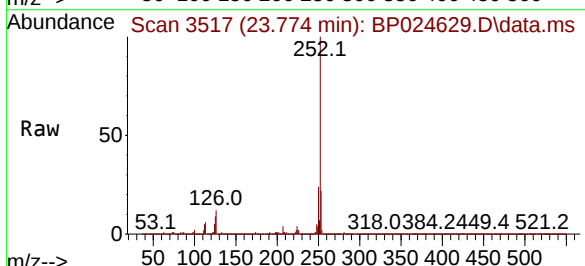
Tgt Ion:252 Resp: 2245379

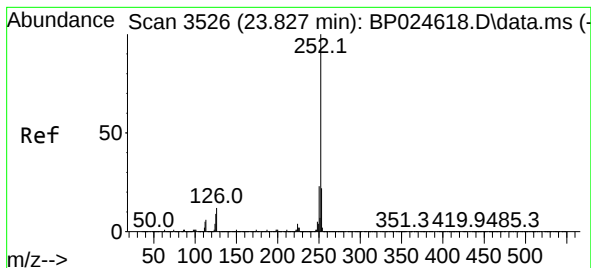
Ion Ratio Lower Upper

252 100

253 22.4 17.7 26.5

125 9.3 7.5 11.3





#89

Benzo(k)fluoranthene

Concen: 42.098 ng

RT: 23.774 min Scan# 3517

Delta R.T. -0.053 min

Lab File: BP024629.D

Acq: 14 May 2025 17:15

Instrument :

BNA_P

ClientSampleId :

HW0425-PT-BNA-SOIL

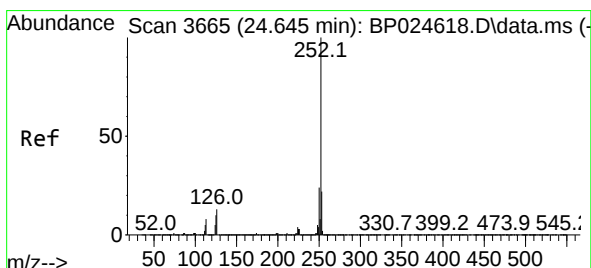
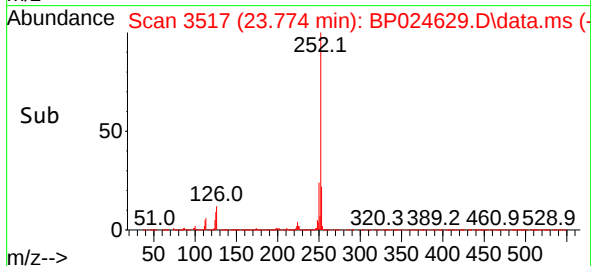
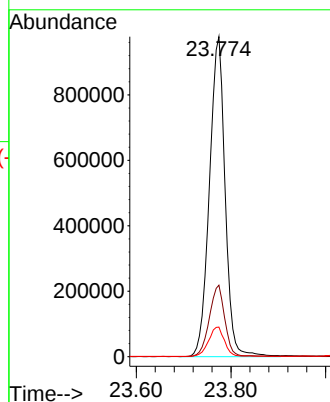
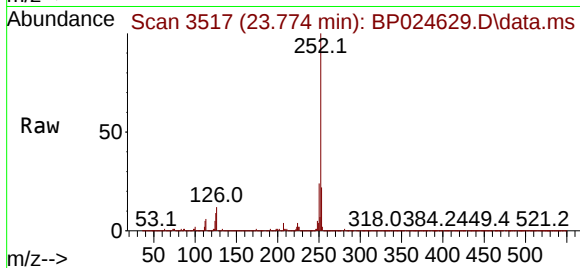
Tgt Ion:252 Resp: 2245379

Ion Ratio Lower Upper

252 100

253 22.4 17.6 26.4

125 9.3 7.0 10.4



#90

Benzo(a)pyrene

Concen: 28.014 ng

RT: 24.651 min Scan# 3666

Delta R.T. 0.006 min

Lab File: BP024629.D

Acq: 14 May 2025 17:15

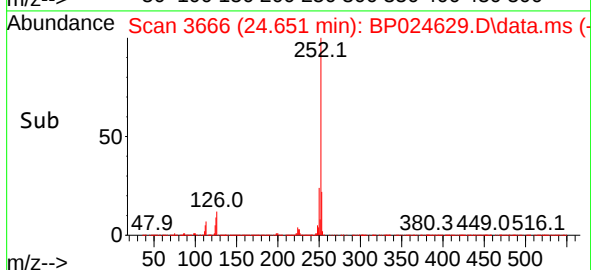
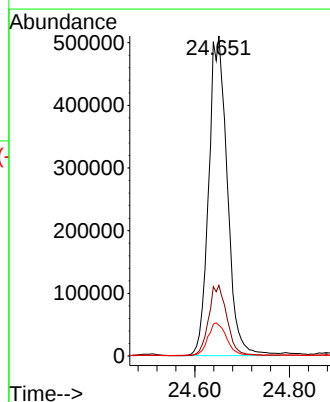
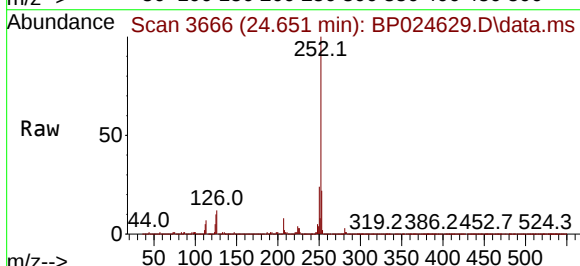
Tgt Ion:252 Resp: 1392636

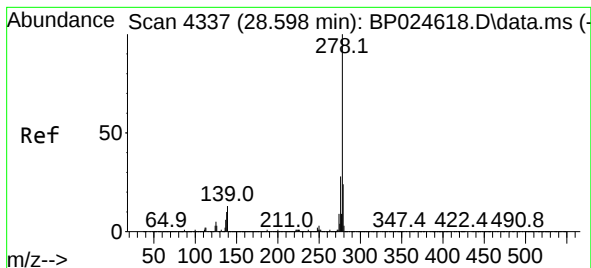
Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 9.6 8.1 12.1





#91

Dibenzo(a,h)anthracene

Concen: 36.493 ng

RT: 28.598 min Scan# 41

Delta R.T. 0.000 min

Lab File: BP024629.D

Acq: 14 May 2025 17:15

Instrument :

BNA_P

ClientSampleId :

HW0425-PT-BNA-SOIL

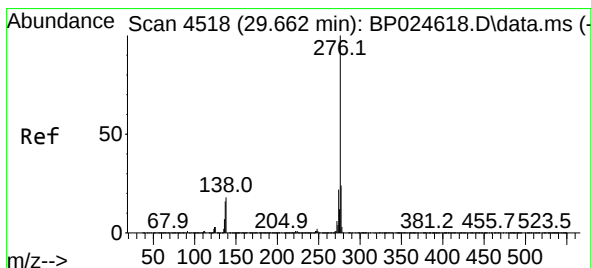
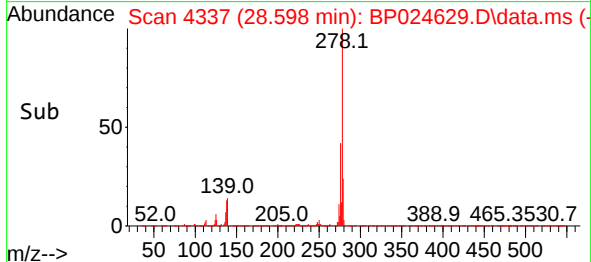
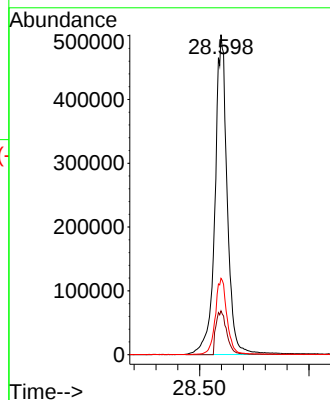
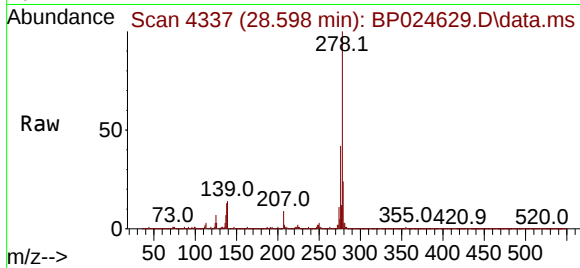
Tgt Ion:278 Resp: 1960013

Ion Ratio Lower Upper

278 100

139 13.7 10.2 15.4

279 23.8 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 43.192 ng

RT: 29.668 min Scan# 4519

Delta R.T. 0.006 min

Lab File: BP024629.D

Acq: 14 May 2025 17:15

Tgt Ion:276 Resp: 2306947

Ion Ratio Lower Upper

276 100

277 23.7 19.0 28.4

138 19.0 14.4 21.6

