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 Data File : BP024967.D
 Acq On : 16 Jun 2025 19:06
 Operator : RC/JU
 Sample : Q2322-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CL-01-061325

Quant Time: Jun 17 03:49:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 06 16:20:27 2025
 Response via : Initial Calibration

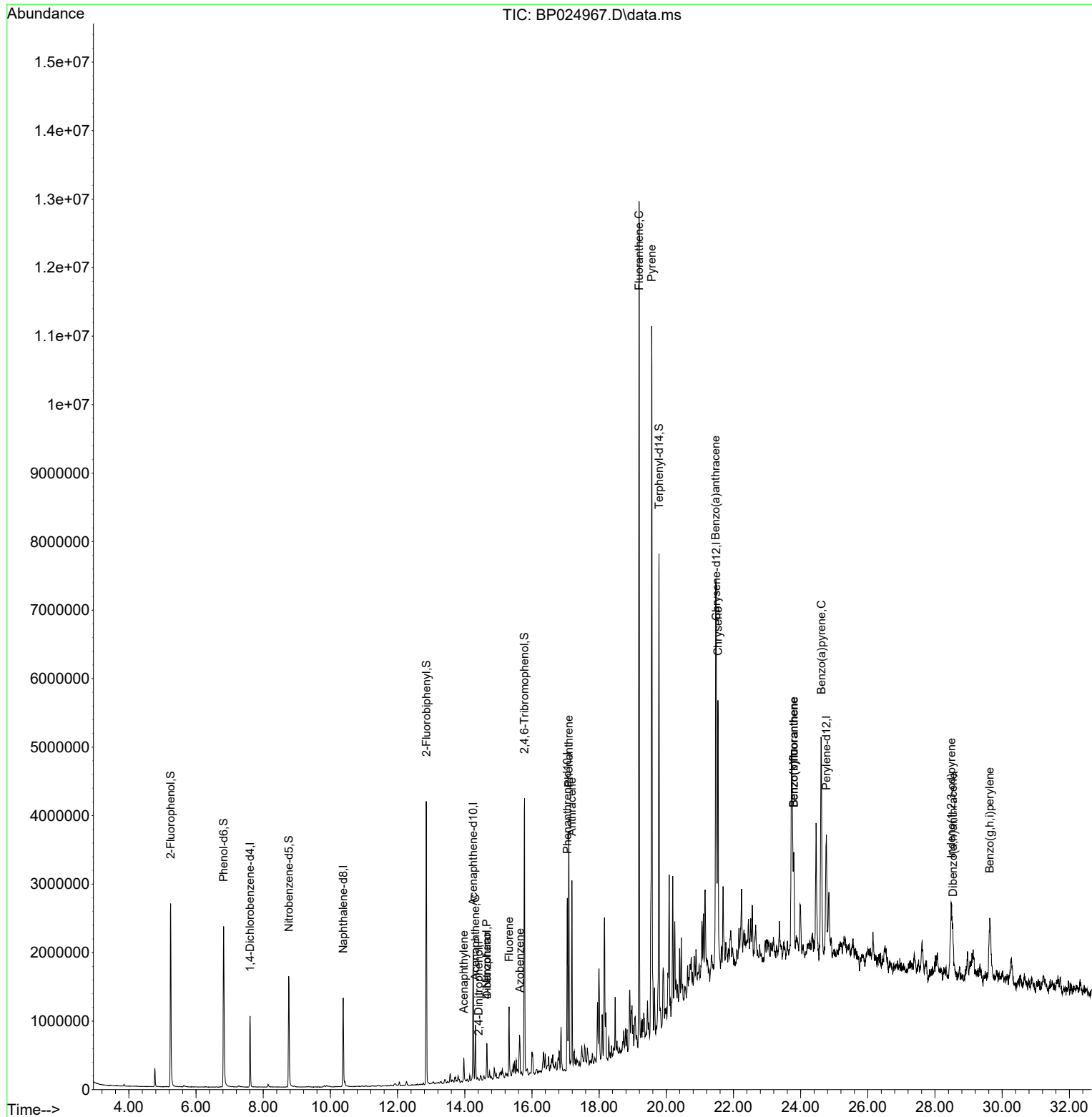
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.607	152	283741	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	1127333	20.000	ng	0.00
39) Acenaphthene-d10	14.248	164	711305	20.000	ng	0.00
64) Phenanthrene-d10	17.054	188	1412941	20.000	ng	0.00
76) Chrysene-d12	21.489	240	1479892	20.000	ng	0.00
86) Perylene-d12	24.765	264	1738602	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.243	112	1321393	77.735	ng	0.00
7) Phenol-d6	6.819	99	1716959	76.340	ng	0.00
23) Nitrobenzene-d5	8.760	82	1037294	44.712	ng	0.00
42) 2,4,6-Tribromophenol	15.778	330	785513	79.876	ng	0.00
45) 2-Fluorobiphenyl	12.854	172	2204314	41.747	ng	0.00
79) Terphenyl-d14	19.783	244	3377030	40.898	ng	-0.01
Target Compounds						
						Qvalue
49) Acenaphthylene	13.972	152	234435	3.539	ng	98
52) Acenaphthene	14.313	154	276985	7.297	ng	99
54) 2,4-Dinitrophenol	14.413	184	187	5.587	ng	# 1
55) Dibenzofuran	14.660	168	296457	4.865	ng	97
56) 4-Nitrophenol	14.654	139	115428	16.239	ng	# 11
58) Fluorene	15.319	166	448662	9.115	ng	99
63) Azobenzene	15.636	77	146818	3.061	ng	# 1
71) Phenanthrene	17.095	178	2048461	26.235	ng	99
72) Anthracene	17.189	178	1556111	19.678	ng	100
75) Fluoranthene	19.189	202	6700522	74.039	ng	99
78) Pyrene	19.566	202	6224939	67.329	ng	99
81) Benzo(a)anthracene	21.471	228	3304309	34.910	ng	98
83) Chrysene	21.536	228	2667188	29.740	ng	97
87) Indeno(1,2,3-cd)pyrene	28.483	276	1928835	15.205	ng	97
88) Benzo(b)fluoranthene	23.795	252	1265999	12.724	ng	96
89) Benzo(k)fluoranthene	23.795	252	1269337	12.533	ng	96
90) Benzo(a)pyrene	24.612	252	3044969	31.336	ng	98
91) Dibenzo(a,h)anthracene	28.536	278	508229	4.922	ng	# 88
92) Benzo(g,h,i)perylene	29.630	276	1858809	18.144	ng	98

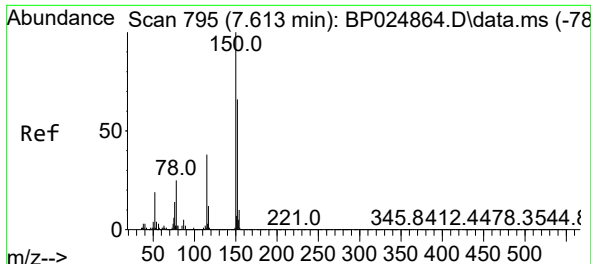
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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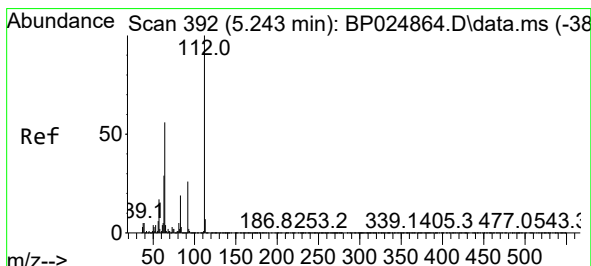
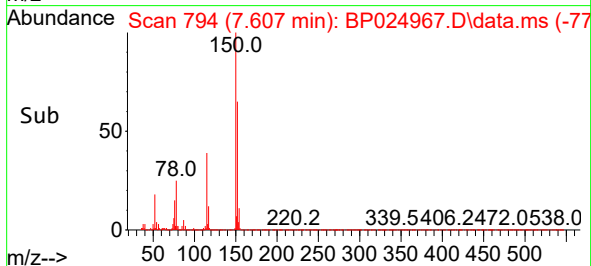
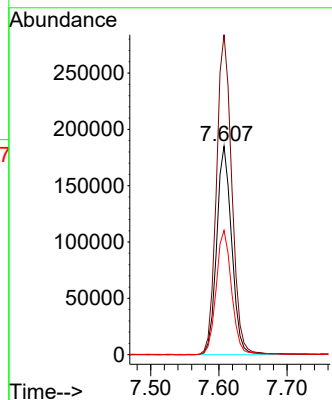
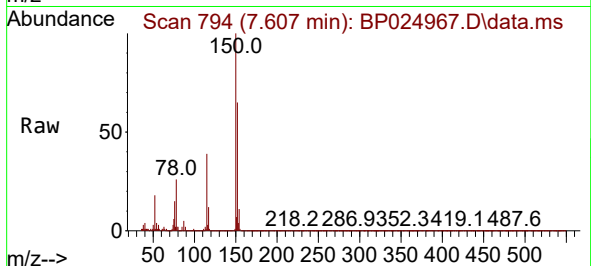




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.607 min Scan# 795
Delta R.T. -0.006 min
Lab File: BP024967.D
Acq: 16 Jun 2025 19:06

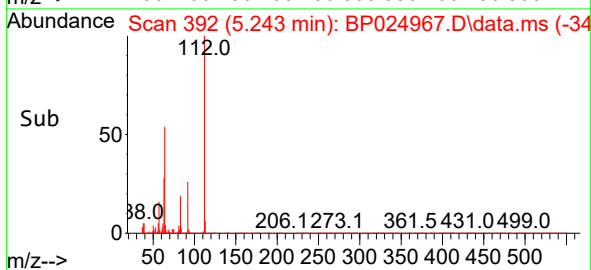
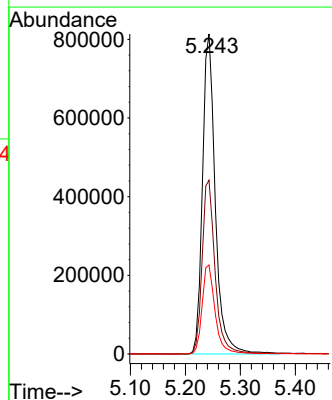
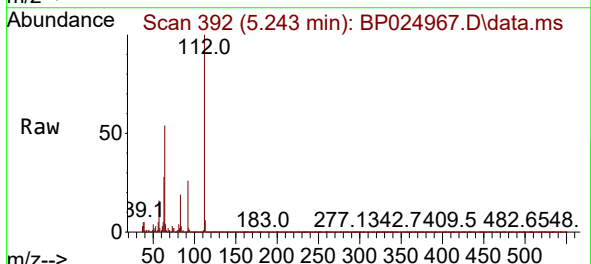
Instrument :
BNA_P
ClientSampleId :
CL-01-061325

Tgt Ion:152 Resp: 283741
Ion Ratio Lower Upper
152 100
150 153.5 122.1 183.1
115 59.6 46.4 69.6



#5
2-Fluorophenol
Concen: 77.735 ng
RT: 5.243 min Scan# 392
Delta R.T. -0.000 min
Lab File: BP024967.D
Acq: 16 Jun 2025 19:06

Tgt Ion:112 Resp: 1321393
Ion Ratio Lower Upper
112 100
64 54.3 44.7 67.1
63 27.8 23.5 35.3

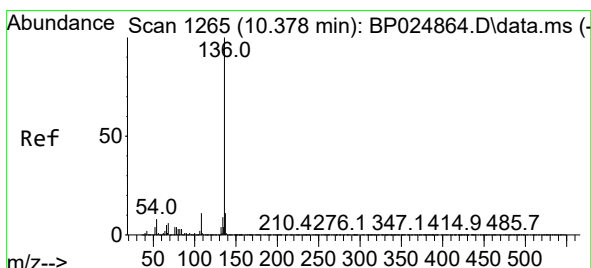
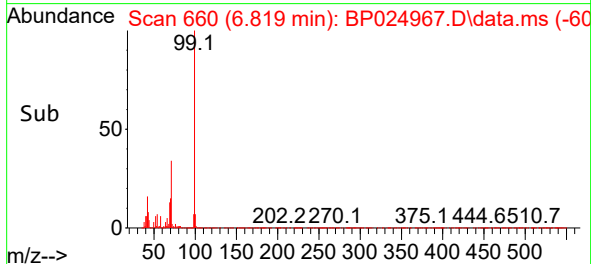
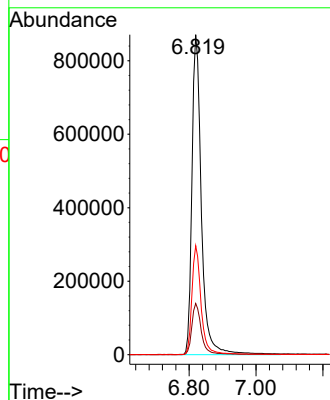
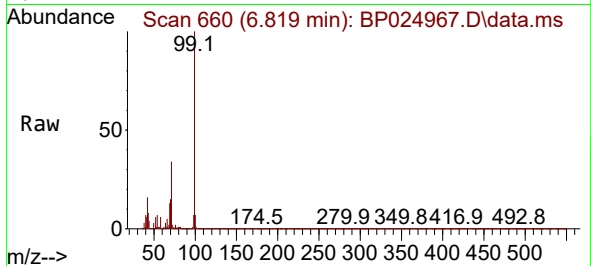




#7
Phenol-d6
Concen: 76.340 ng
RT: 6.819 min Scan# 60
Delta R.T. 0.006 min
Lab File: BP024967.D
Acq: 16 Jun 2025 19:06

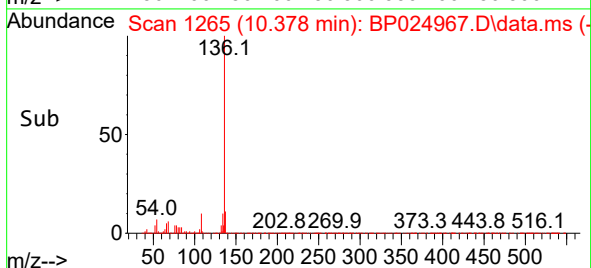
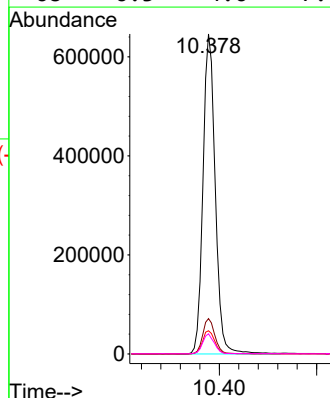
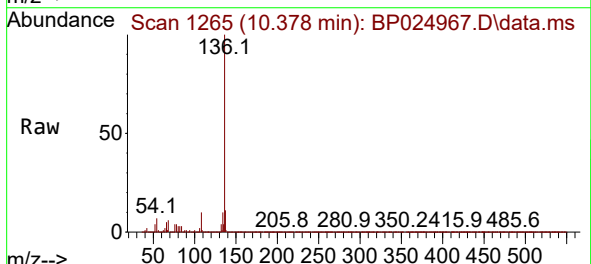
Instrument :
BNA_P
ClientSampleId :
CL-01-061325

Tgt Ion: 99 Resp: 1716959
Ion Ratio Lower Upper
99 100
42 16.0 13.4 20.2
71 34.0 27.6 41.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BP024967.D
Acq: 16 Jun 2025 19:06

Tgt Ion:136 Resp: 1127333
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.3 6.1 9.1
68 6.3 4.6 7.0

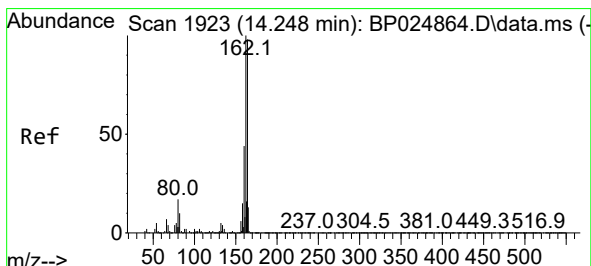
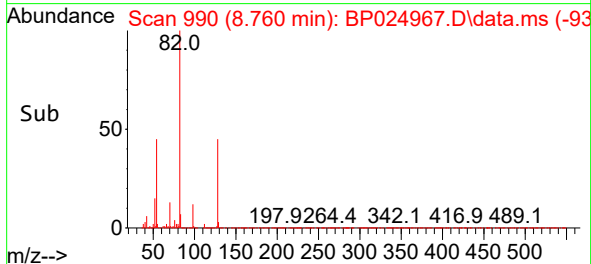
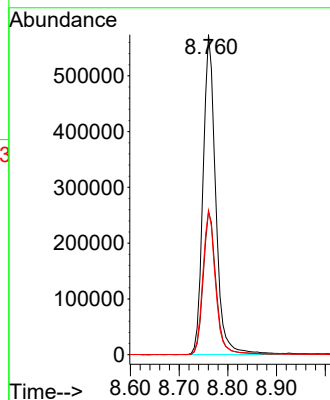
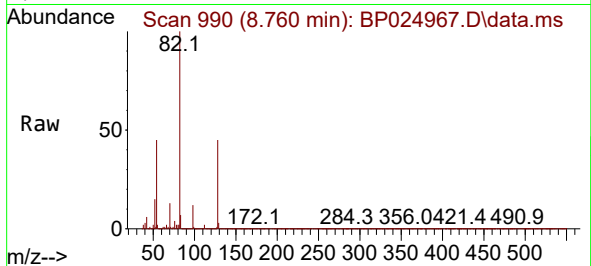




#23
 Nitrobenzene-d5
 Concen: 44.712 ng
 RT: 8.760 min Scan# 990
 Delta R.T. -0.000 min
 Lab File: BP024967.D
 Acq: 16 Jun 2025 19:06

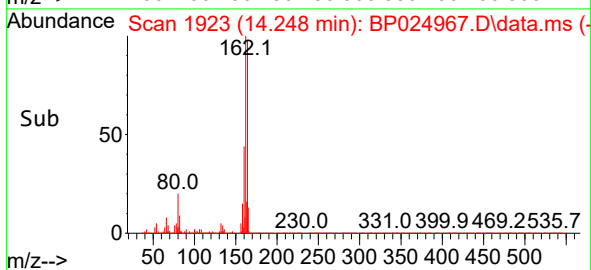
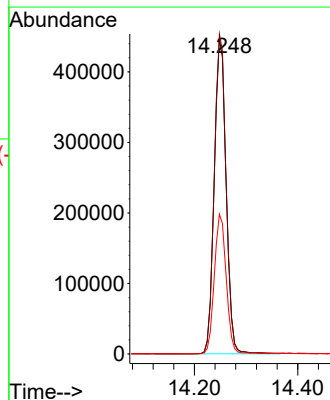
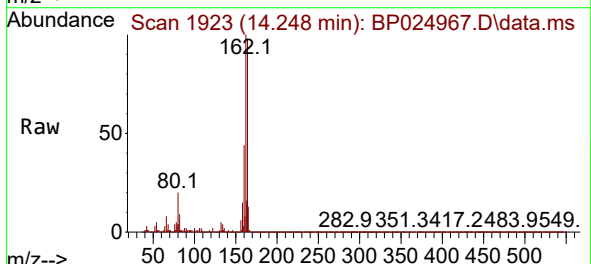
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 ClientSampleId :
 CL-01-061325

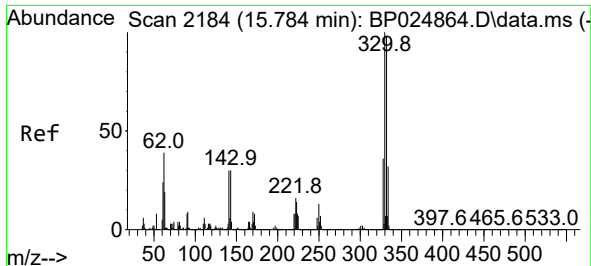
Tgt Ion: 82 Resp: 1037294
 Ion Ratio Lower Upper
 82 100
 128 44.7 35.3 52.9
 54 45.1 37.4 56.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.248 min Scan# 1923
 Delta R.T. -0.000 min
 Lab File: BP024967.D
 Acq: 16 Jun 2025 19:06

Tgt Ion:164 Resp: 711305
 Ion Ratio Lower Upper
 164 100
 162 101.5 81.6 122.4
 160 44.4 36.2 54.2

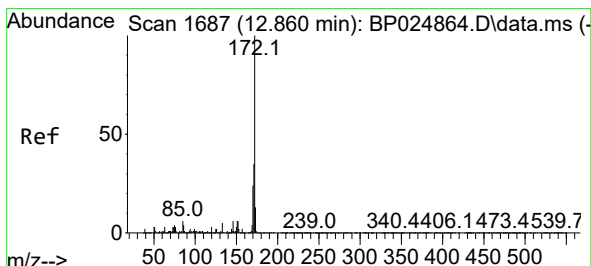
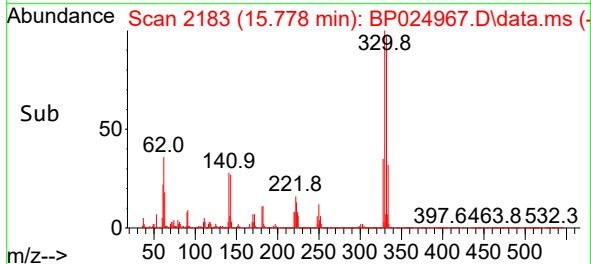
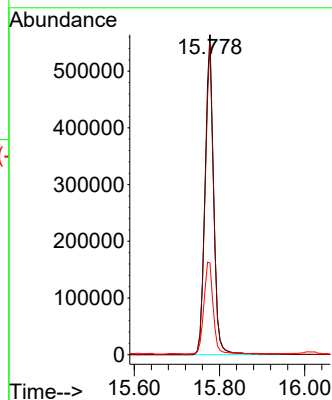
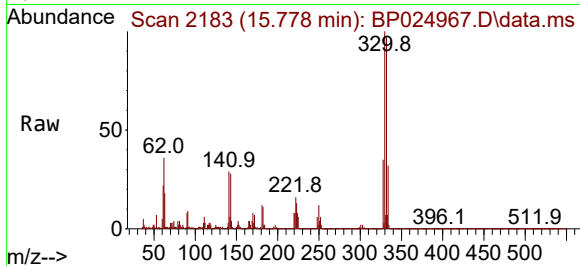




#42
2,4,6-Tribromophenol
Concen: 79.876 ng
RT: 15.778 min Scan# 2183
Delta R.T. -0.006 min
Lab File: BP024967.D
Acq: 16 Jun 2025 19:06

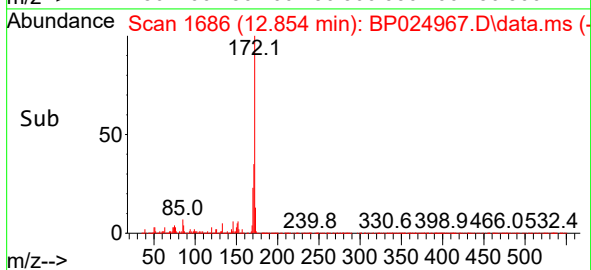
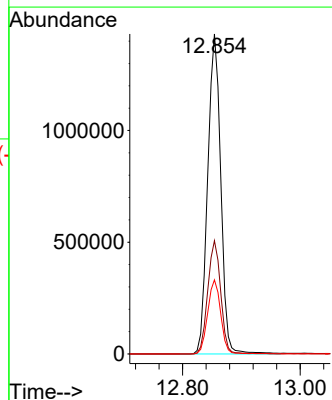
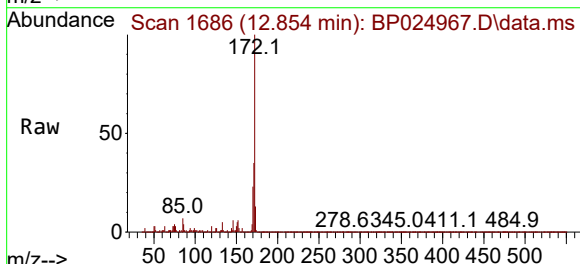
Instrument :
BNA_P
ClientSampleId :
CL-01-061325

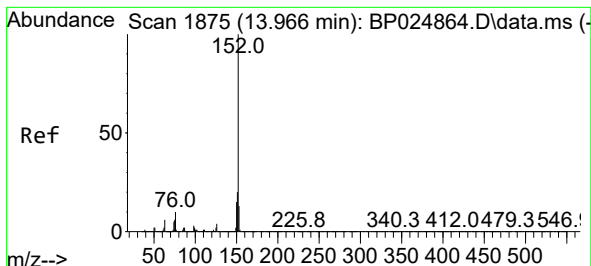
Tgt Ion: 330 Resp: 785513
Ion Ratio Lower Upper
330 100
332 96.5 77.7 116.5
141 31.4 26.4 39.6



#45
2-Fluorobiphenyl
Concen: 41.747 ng
RT: 12.854 min Scan# 1686
Delta R.T. -0.006 min
Lab File: BP024967.D
Acq: 16 Jun 2025 19:06

Tgt Ion: 172 Resp: 2204314
Ion Ratio Lower Upper
172 100
171 35.4 28.3 42.5
170 23.2 19.0 28.4





#49

Acenaphthylene

Concen: 3.539 ng

RT: 13.972 min Scan# 1875

Delta R.T. 0.006 min

Lab File: BP024967.D

Acq: 16 Jun 2025 19:06

Instrument :

BNA_P

ClientSampleId :

CL-01-061325

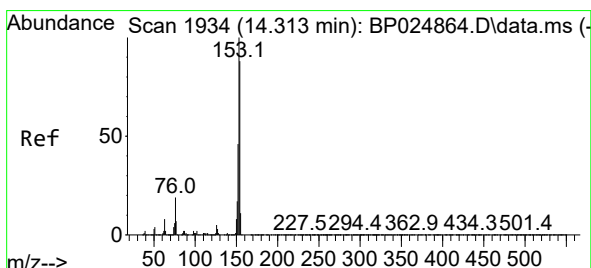
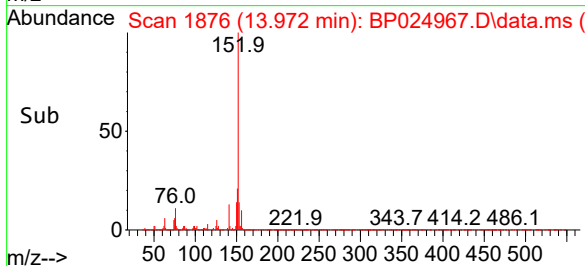
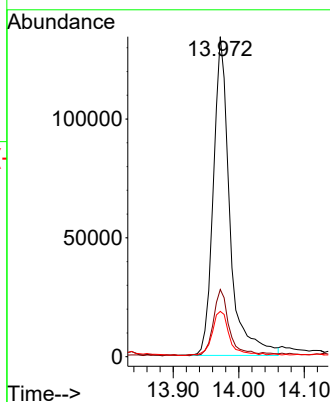
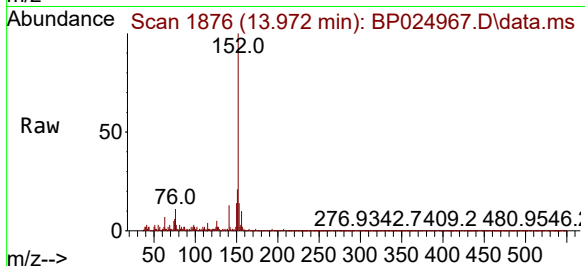
Tgt Ion:152 Resp: 234435

Ion Ratio Lower Upper

152 100

151 21.0 16.2 24.2

153 14.2 10.6 15.8



#52

Acenaphthene

Concen: 7.297 ng

RT: 14.313 min Scan# 1934

Delta R.T. -0.000 min

Lab File: BP024967.D

Acq: 16 Jun 2025 19:06

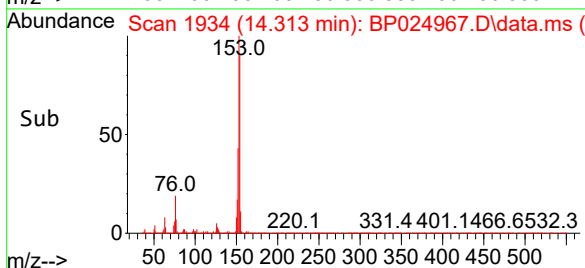
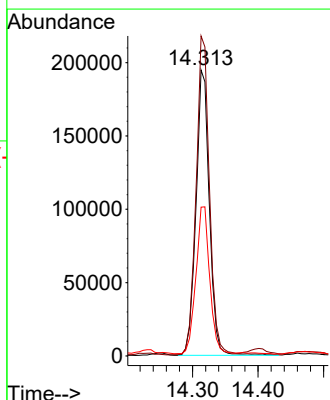
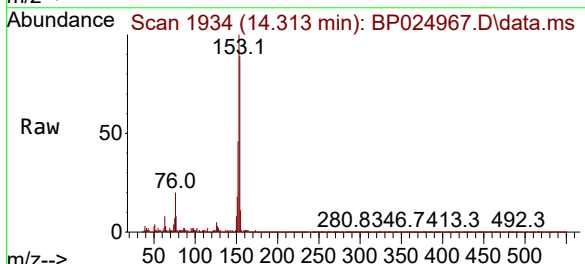
Tgt Ion:154 Resp: 276985

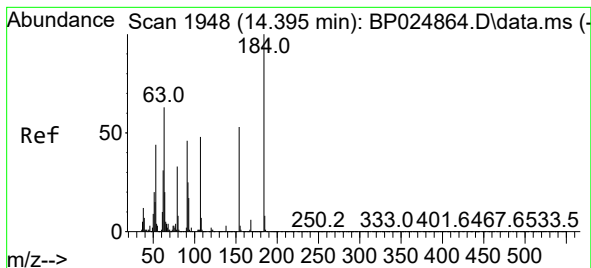
Ion Ratio Lower Upper

154 100

153 111.9 90.5 135.7

152 52.0 42.1 63.1





#54

2,4-Dinitrophenol

Concen: 5.587 ng

RT: 14.413 min Scan# 1948

Delta R.T. 0.018 min

Lab File: BP024967.D

Acq: 16 Jun 2025 19:06

Instrument :

BNA_P

ClientSampleId :

CL-01-061325

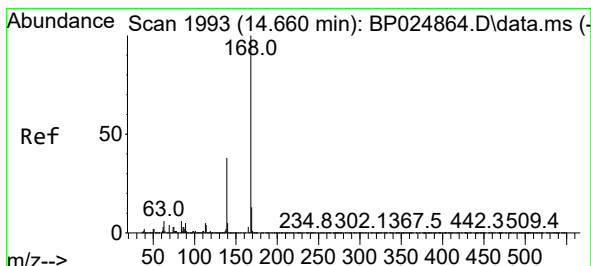
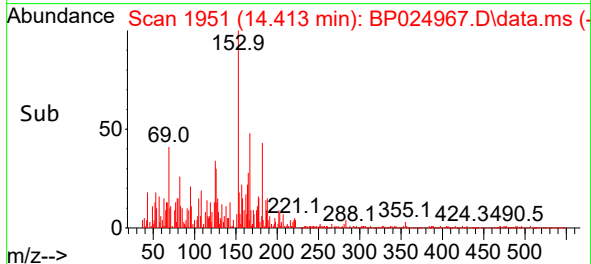
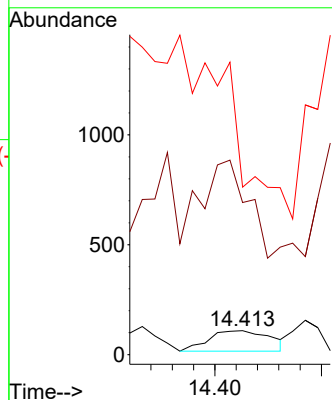
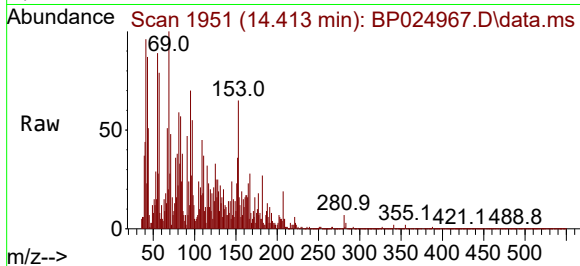
Tgt Ion:184 Resp: 187

Ion Ratio Lower Upper

184 100

63 634.9 51.0 76.4#

154 699.1 51.7 77.5#



#55

Dibenzofuran

Concen: 4.865 ng

RT: 14.660 min Scan# 1993

Delta R.T. -0.000 min

Lab File: BP024967.D

Acq: 16 Jun 2025 19:06

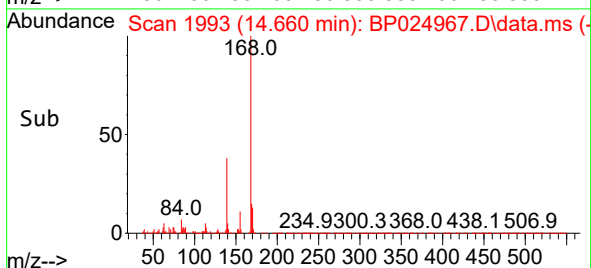
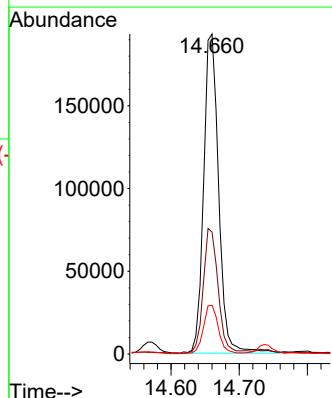
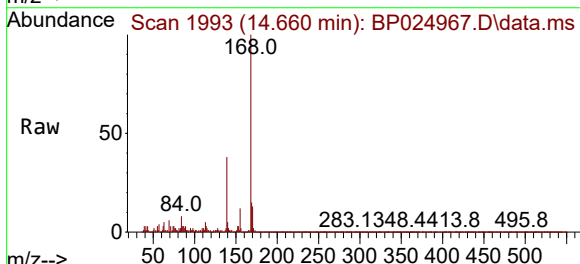
Tgt Ion:168 Resp: 296457

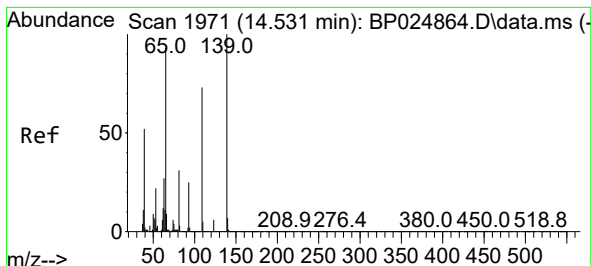
Ion Ratio Lower Upper

168 100

139 38.1 31.6 47.4

169 15.2 10.6 15.8

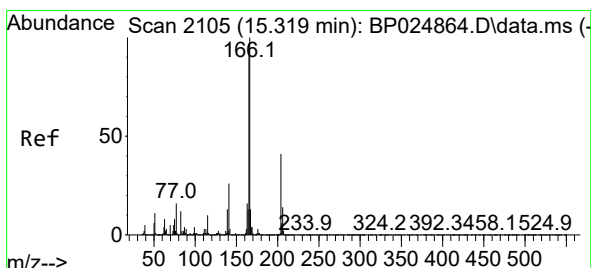
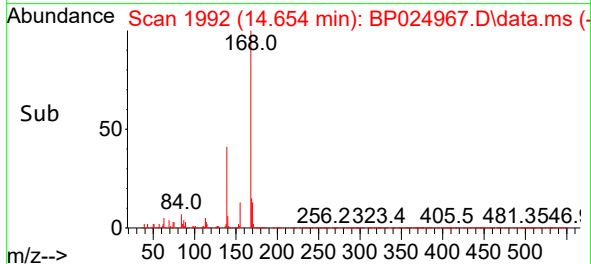
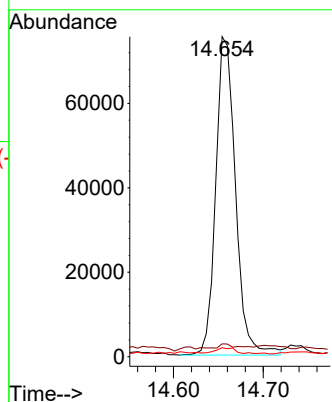
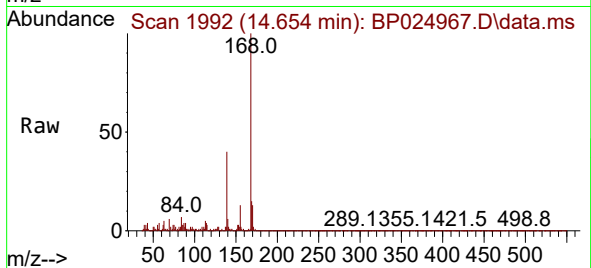




#56
4-Nitrophenol
Concen: 16.239 ng
RT: 14.654 min Scan# 1992
Delta R.T. 0.123 min
Lab File: BP024967.D
Acq: 16 Jun 2025 19:06

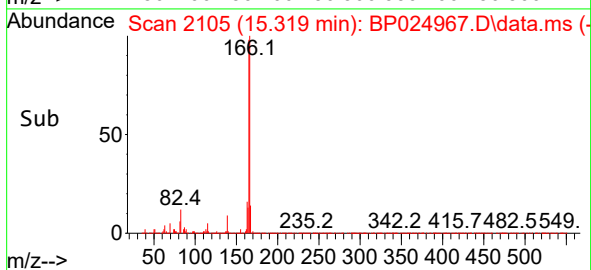
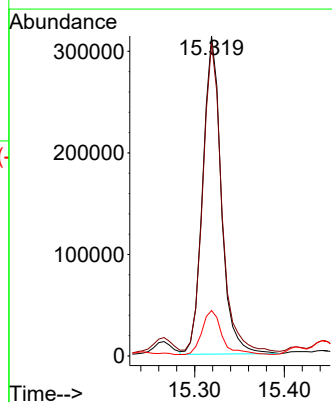
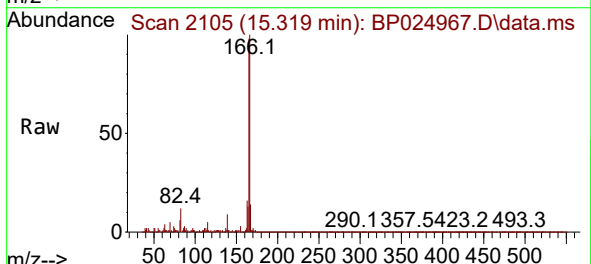
Instrument :
BNA_P
ClientSampleId :
CL-01-061325

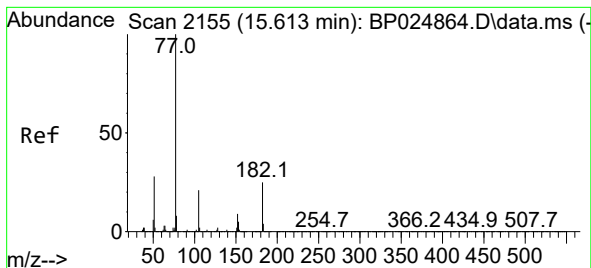
Tgt Ion:139 Resp: 115428
Ion Ratio Lower Upper
139 100
109 4.0 53.1 93.1#
65 2.8 73.0 113.0#



#58
Fluorene
Concen: 9.115 ng
RT: 15.319 min Scan# 2105
Delta R.T. -0.000 min
Lab File: BP024967.D
Acq: 16 Jun 2025 19:06

Tgt Ion:166 Resp: 448662
Ion Ratio Lower Upper
166 100
165 97.8 77.7 116.5
167 14.2 10.6 16.0





#63

Azobenzene

Concen: 3.061 ng

RT: 15.636 min Scan# 2155

Delta R.T. 0.023 min

Lab File: BP024967.D

Acq: 16 Jun 2025 19:06

Instrument :

BNA_P

ClientSampleId :

CL-01-061325

Tgt Ion: 77 Resp: 146818

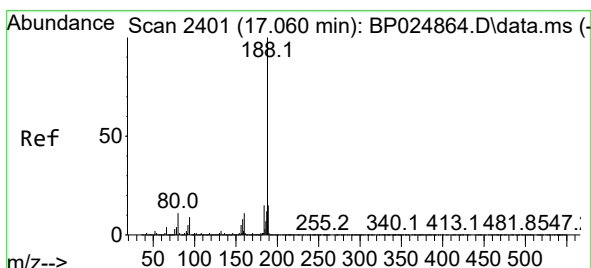
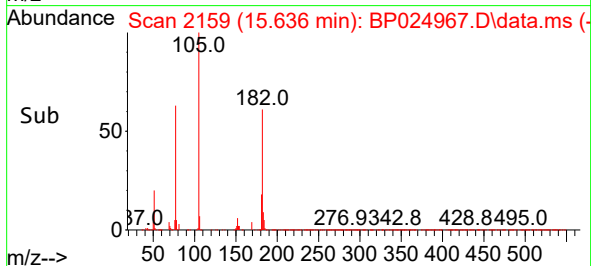
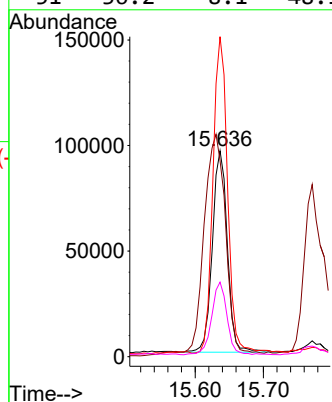
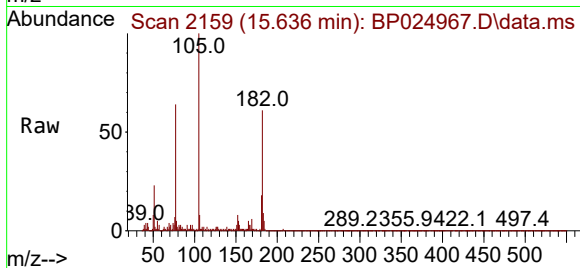
Ion Ratio Lower Upper

77 100

182 95.2 5.4 45.4#

105 155.3 0.8 40.8#

51 36.2 8.1 48.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.054 min Scan# 2400

Delta R.T. -0.006 min

Lab File: BP024967.D

Acq: 16 Jun 2025 19:06

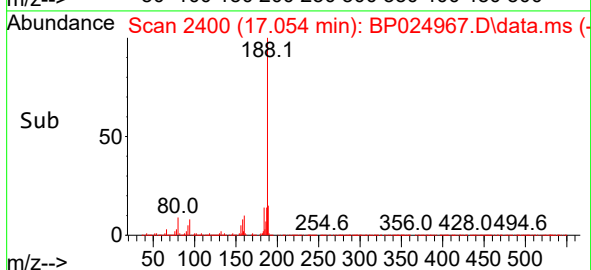
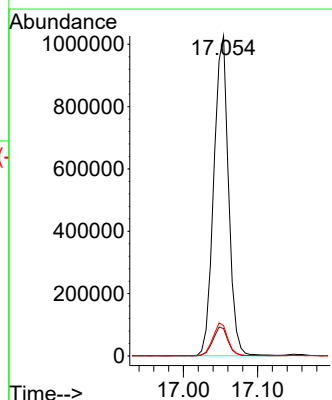
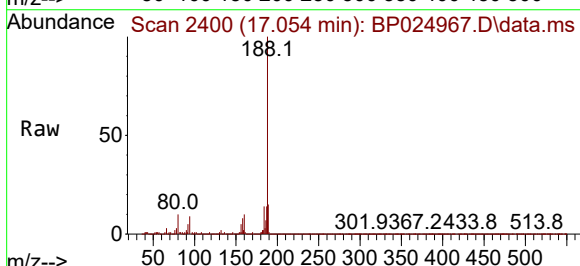
Tgt Ion:188 Resp: 1412941

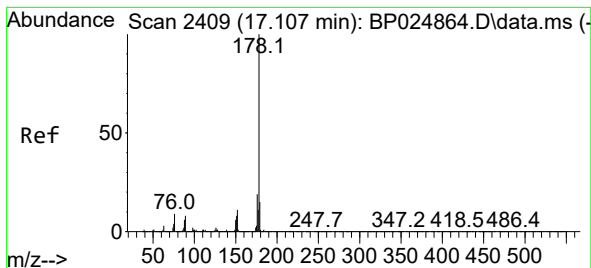
Ion Ratio Lower Upper

188 100

94 8.6 7.3 10.9

80 9.5 8.5 12.7





#71

Phenanthrene

Concen: 26.235 ng

RT: 17.095 min Scan# 2407

Delta R.T. -0.012 min

Lab File: BP024967.D

Acq: 16 Jun 2025 19:06

Instrument :

BNA_P

ClientSampleId :

CL-01-061325

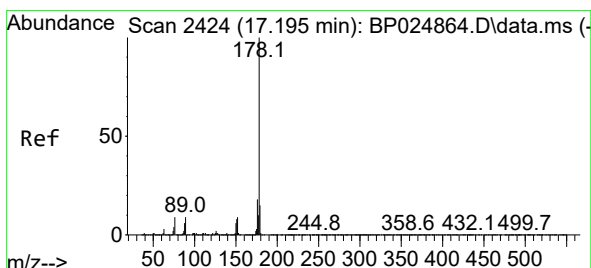
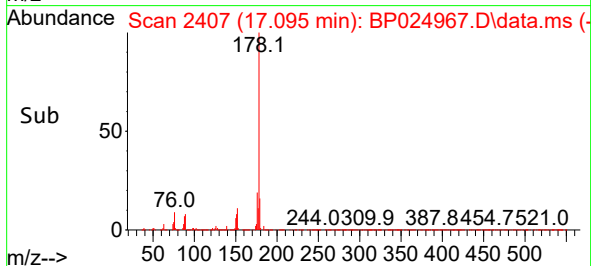
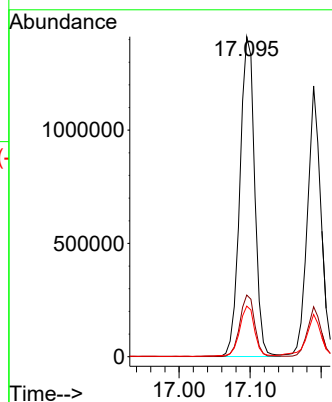
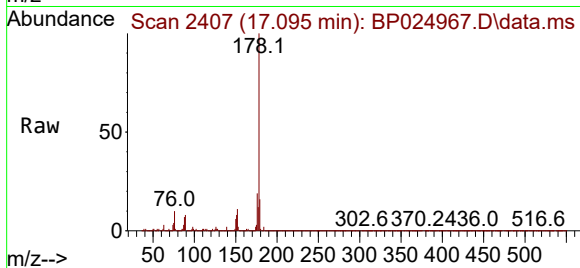
Tgt Ion:178 Resp: 2048461

Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

179 15.8 12.1 18.1



#72

Anthracene

Concen: 19.678 ng

RT: 17.189 min Scan# 2423

Delta R.T. -0.006 min

Lab File: BP024967.D

Acq: 16 Jun 2025 19:06

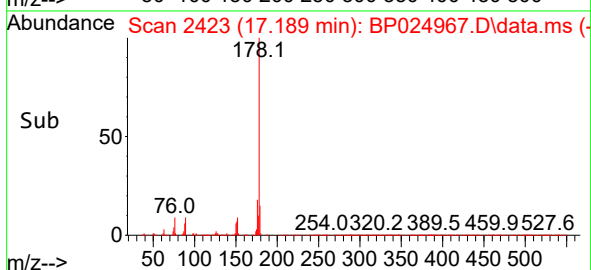
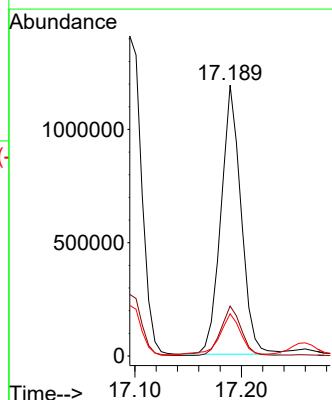
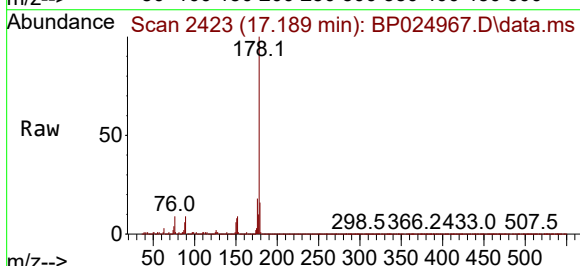
Tgt Ion:178 Resp: 1556111

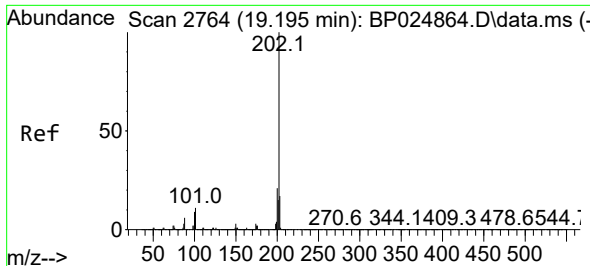
Ion Ratio Lower Upper

178 100

176 18.4 14.7 22.1

179 15.6 12.3 18.5

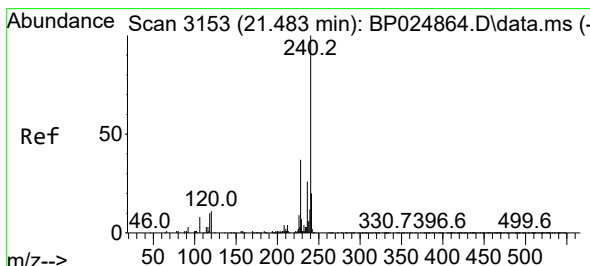
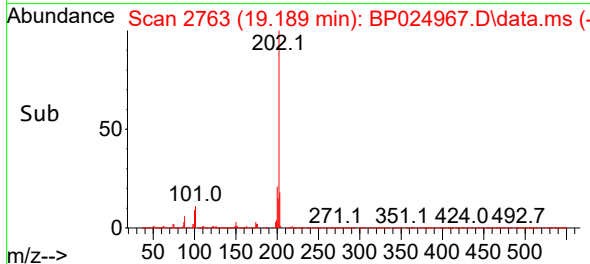
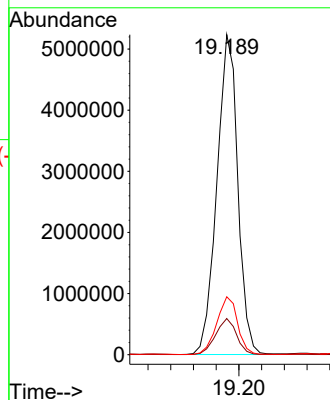
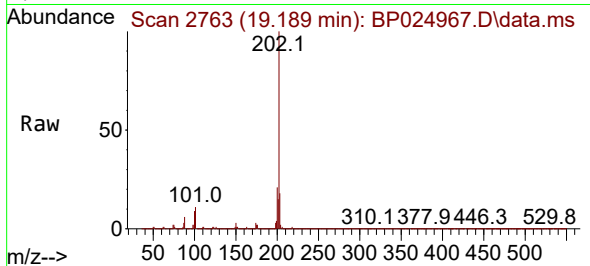




#75
Fluoranthene
Concen: 74.039 ng
RT: 19.189 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024967.D
Acq: 16 Jun 2025 19:06

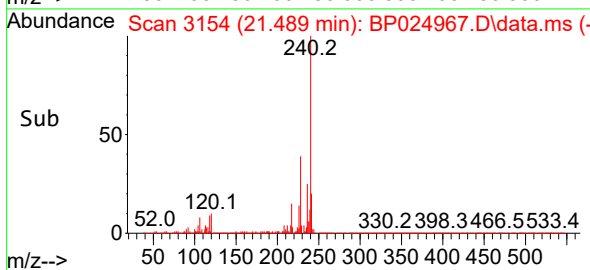
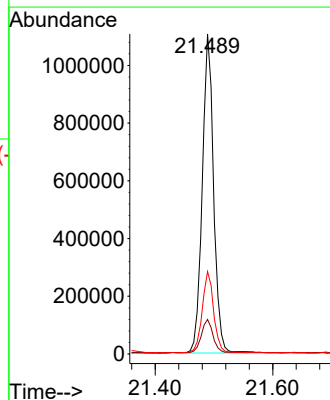
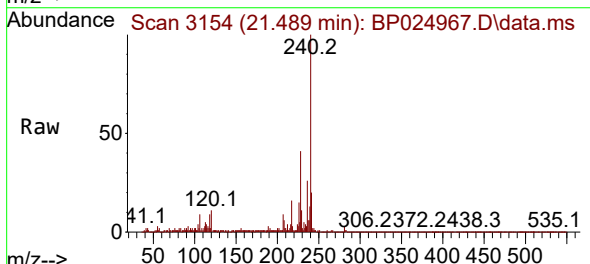
Instrument :
BNA_P
ClientSampleId :
CL-01-061325

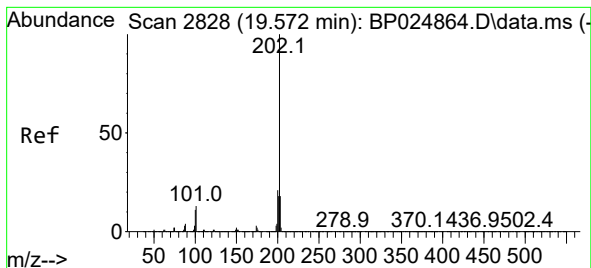
Tgt Ion:202 Resp: 6700522
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.4
203 18.1 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.489 min Scan# 3154
Delta R.T. 0.006 min
Lab File: BP024967.D
Acq: 16 Jun 2025 19:06

Tgt Ion:240 Resp: 1479892
Ion Ratio Lower Upper
240 100
120 10.8 8.9 13.3
236 25.7 20.9 31.3





#78

Pyrene

Concen: 67.329 ng

RT: 19.566 min Scan# 2827

Delta R.T. -0.006 min

Lab File: BP024967.D

Acq: 16 Jun 2025 19:06

Instrument :

BNA_P

ClientSampleId :

CL-01-061325

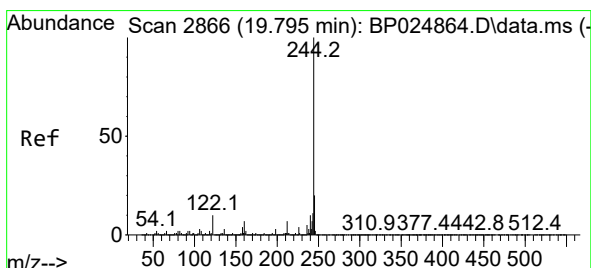
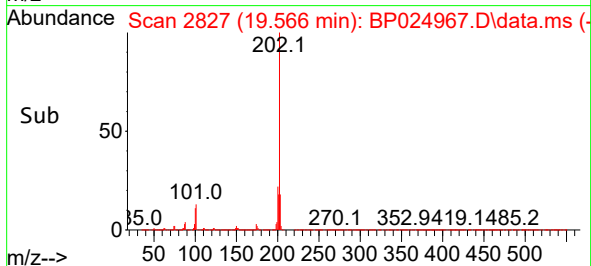
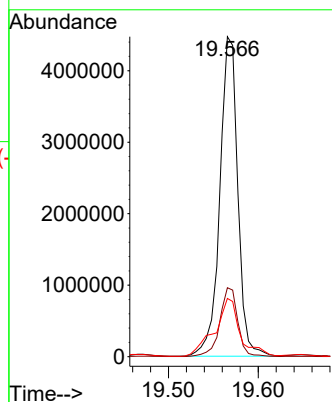
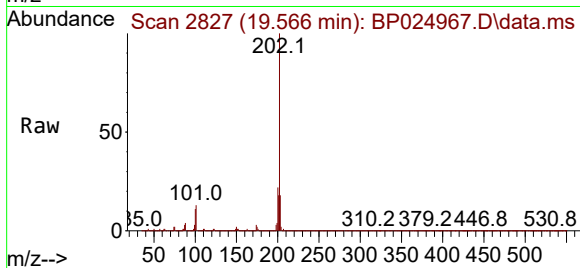
Tgt Ion:202 Resp: 6224939

Ion Ratio Lower Upper

202 100

200 21.6 17.1 25.7

203 18.2 14.0 21.0



#79

Terphenyl-d14

Concen: 40.898 ng

RT: 19.783 min Scan# 2864

Delta R.T. -0.012 min

Lab File: BP024967.D

Acq: 16 Jun 2025 19:06

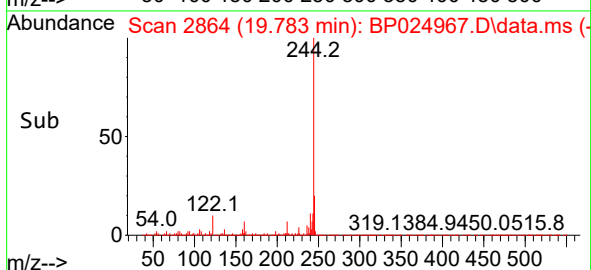
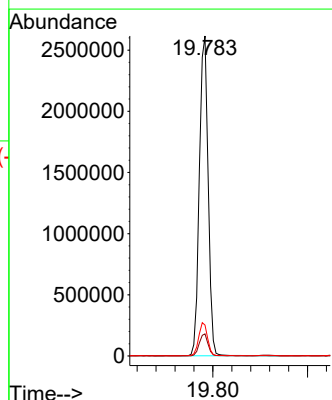
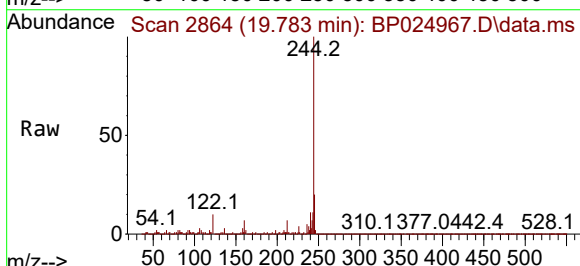
Tgt Ion:244 Resp: 3377030

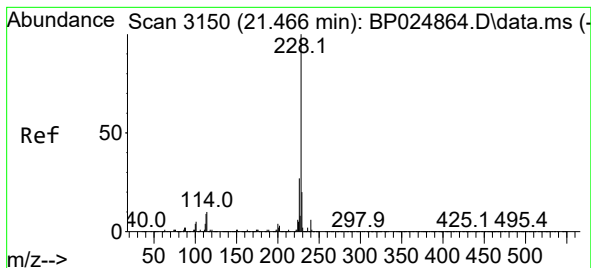
Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

122 9.7 7.7 11.5





#81

Benzo(a)anthracene

Concen: 34.910 ng

RT: 21.471 min Scan# 3151

Delta R.T. 0.006 min

Lab File: BP024967.D

Acq: 16 Jun 2025 19:06

Instrument :

BNA_P

ClientSampleId :

CL-01-061325

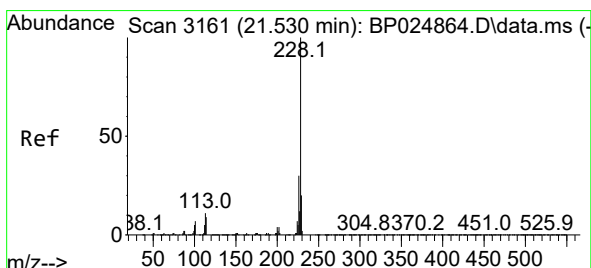
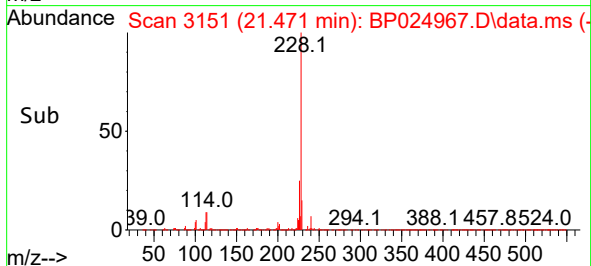
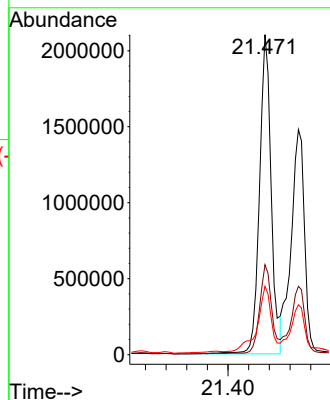
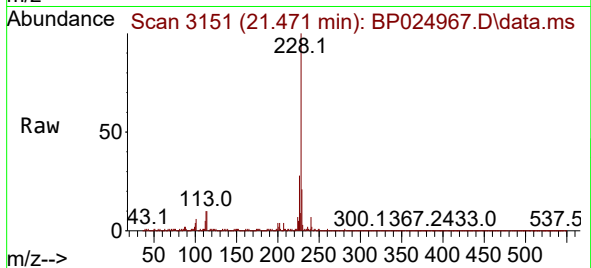
Tgt Ion:228 Resp: 3304309

Ion Ratio Lower Upper

228 100

226 28.1 22.1 33.1

229 21.4 15.9 23.9



#83

Chrysene

Concen: 29.740 ng

RT: 21.536 min Scan# 3162

Delta R.T. 0.006 min

Lab File: BP024967.D

Acq: 16 Jun 2025 19:06

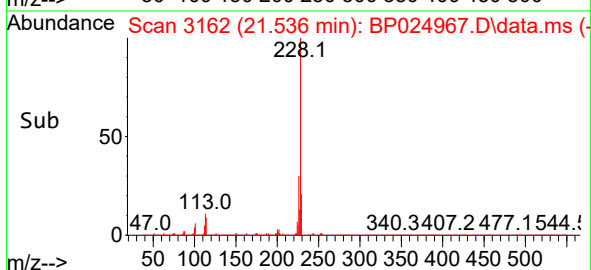
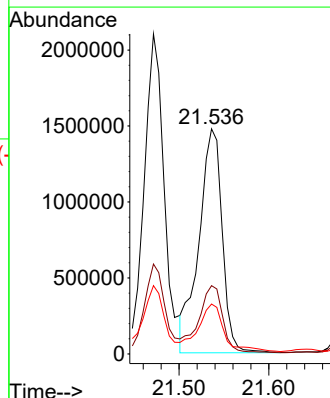
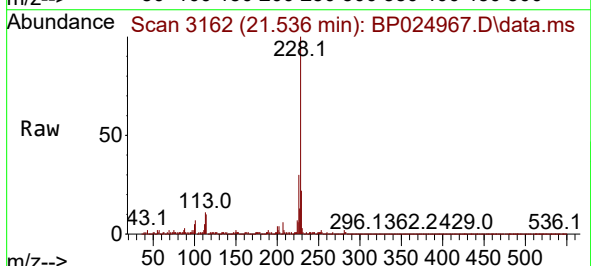
Tgt Ion:228 Resp: 2667188

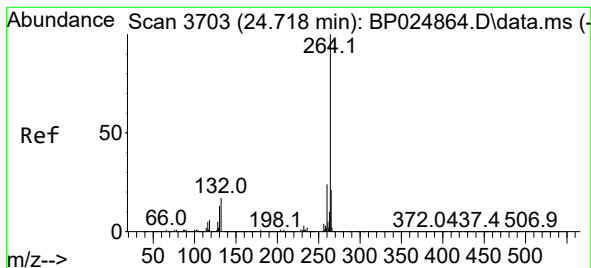
Ion Ratio Lower Upper

228 100

226 30.3 23.8 35.6

229 22.2 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.765 min Scan# 31

Delta R.T. 0.047 min

Lab File: BP024967.D

Acq: 16 Jun 2025 19:06

Instrument :

BNA_P

ClientSampleId :

CL-01-061325

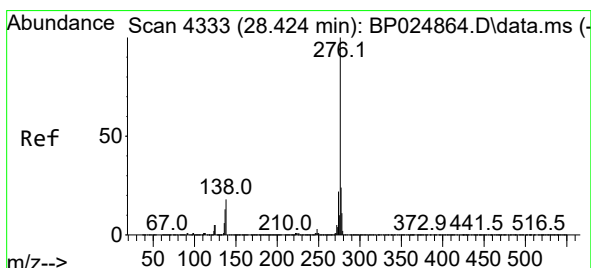
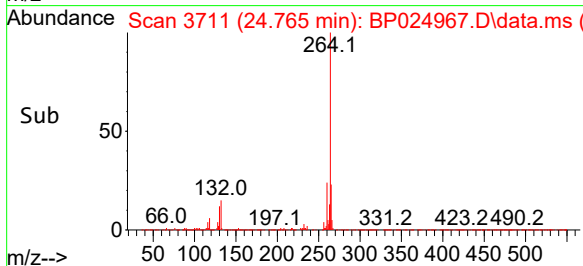
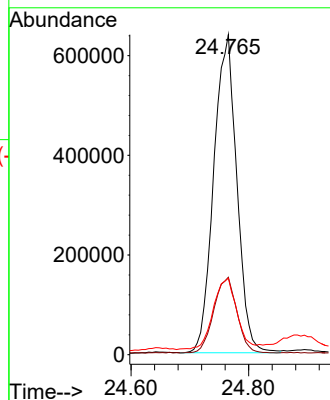
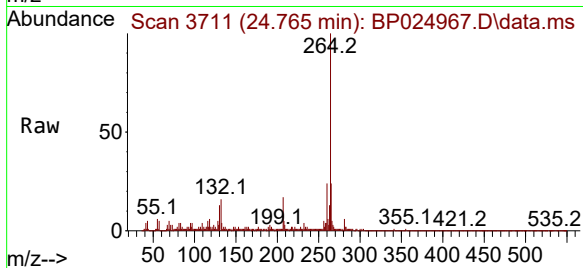
Tgt Ion:264 Resp: 1738602

Ion Ratio Lower Upper

264 100

260 24.2 19.0 28.4

265 23.9 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 15.205 ng

RT: 28.483 min Scan# 4343

Delta R.T. 0.059 min

Lab File: BP024967.D

Acq: 16 Jun 2025 19:06

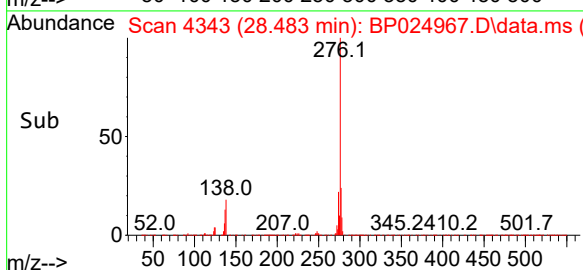
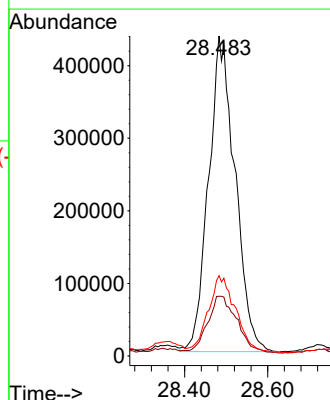
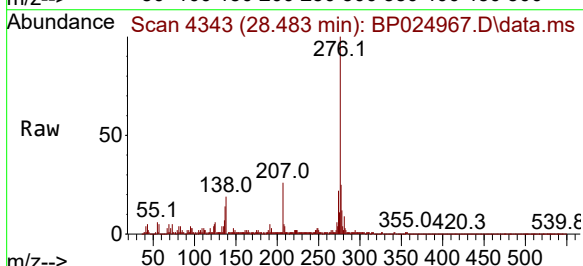
Tgt Ion:276 Resp: 1928835

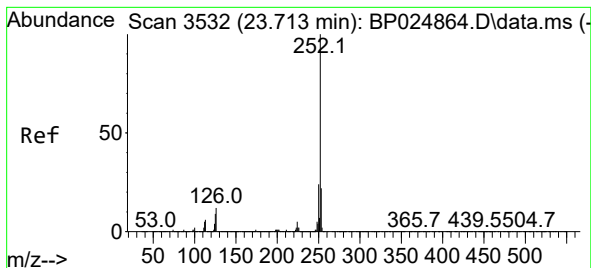
Ion Ratio Lower Upper

276 100

138 19.9 18.6 27.8

277 25.6 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 12.724 ng

RT: 23.795 min Scan# 3546

Delta R.T. 0.082 min

Lab File: BP024967.D

Acq: 16 Jun 2025 19:06

Instrument :

BNA_P

ClientSampleId :

CL-01-061325

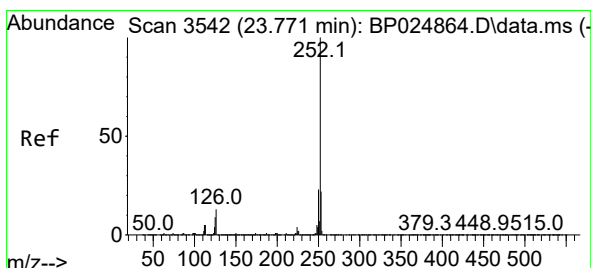
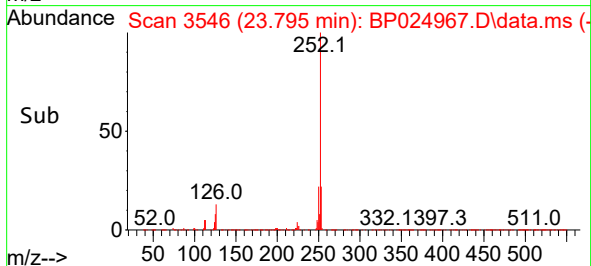
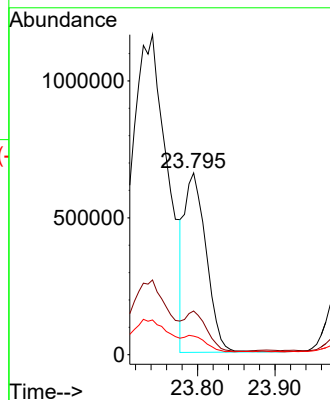
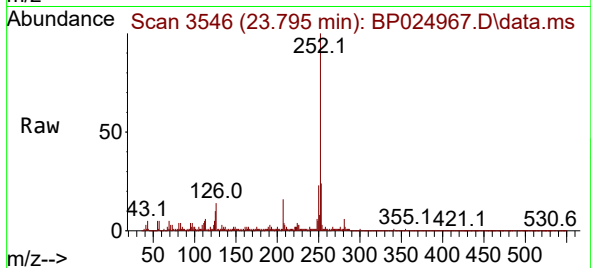
Tgt Ion:252 Resp: 1265999

Ion Ratio Lower Upper

252 100

253 24.0 17.6 26.4

125 10.2 7.1 10.7



#89

Benzo(k)fluoranthene

Concen: 12.533 ng

RT: 23.795 min Scan# 3546

Delta R.T. 0.023 min

Lab File: BP024967.D

Acq: 16 Jun 2025 19:06

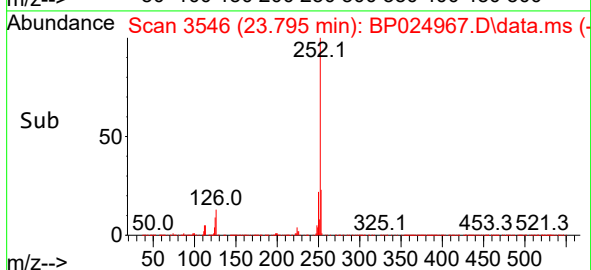
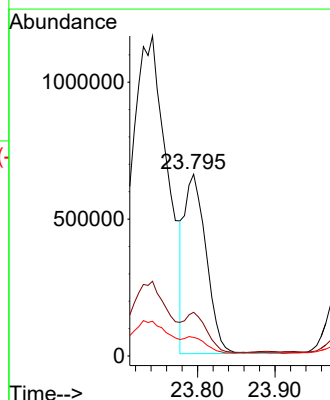
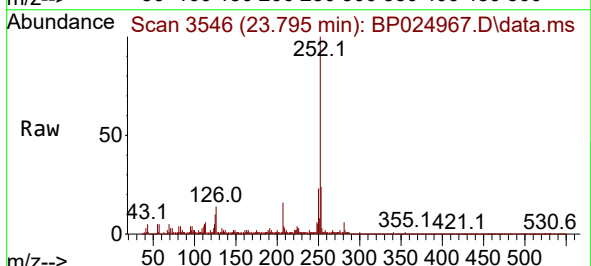
Tgt Ion:252 Resp: 1269337

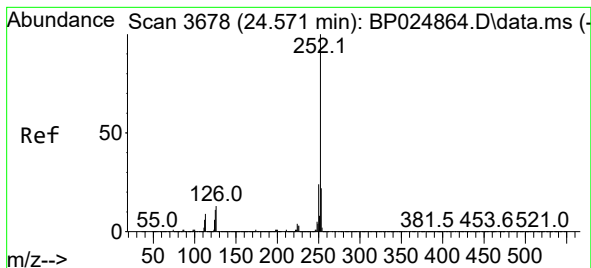
Ion Ratio Lower Upper

252 100

253 24.0 17.7 26.5

125 10.2 7.4 11.0





#90

Benzo(a)pyrene

Concen: 31.336 ng

RT: 24.612 min Scan# 3

Delta R.T. 0.041 min

Lab File: BP024967.D

Acq: 16 Jun 2025 19:06

Instrument :

BNA_P

ClientSampleId :

CL-01-061325

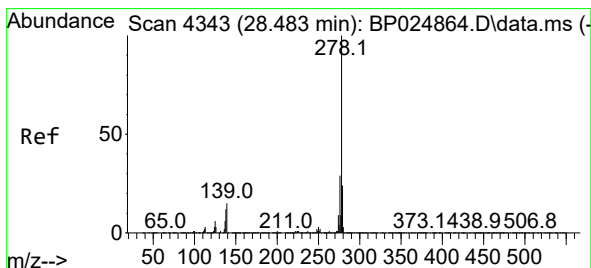
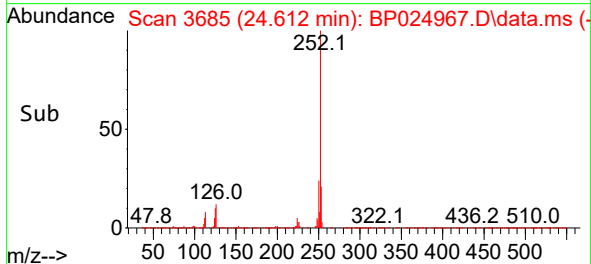
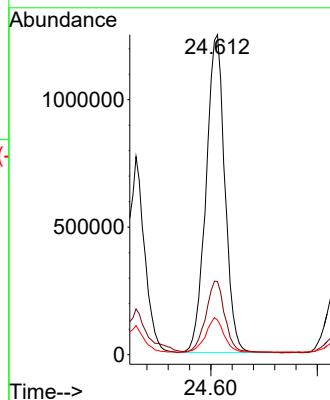
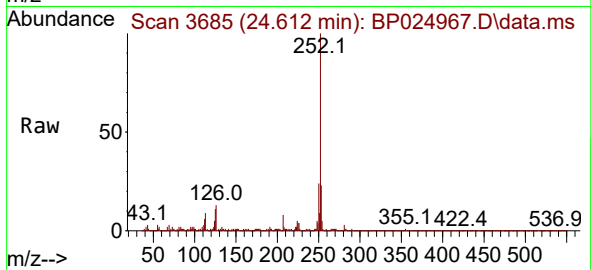
Tgt Ion:252 Resp: 3044969

Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

125 10.8 8.8 13.2



#91

Dibenzo(a,h)anthracene

Concen: 4.922 ng

RT: 28.536 min Scan# 4352

Delta R.T. 0.053 min

Lab File: BP024967.D

Acq: 16 Jun 2025 19:06

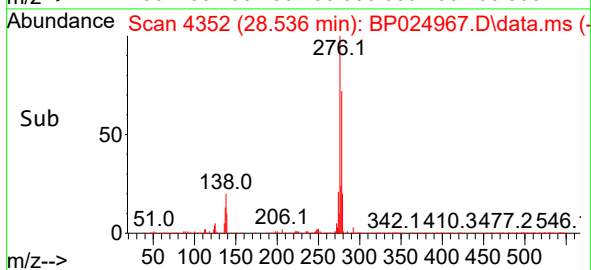
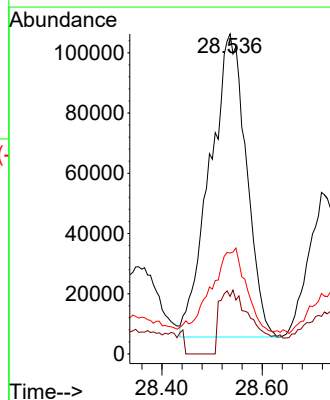
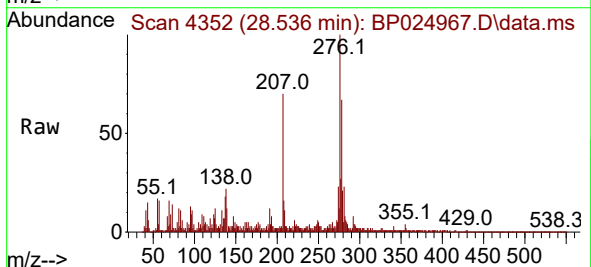
Tgt Ion:278 Resp: 508229

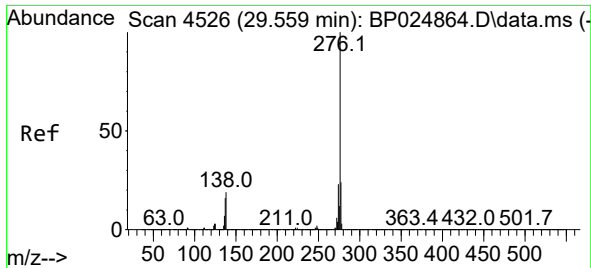
Ion Ratio Lower Upper

278 100

139 18.0 12.0 18.0#

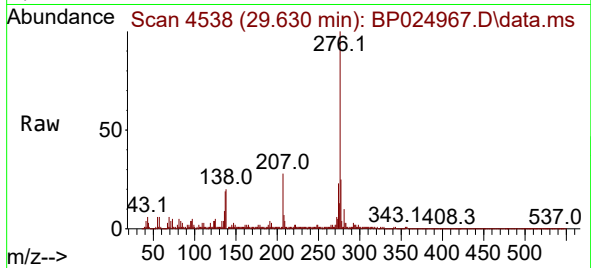
279 31.5 19.1 28.7#





#92
Benzo(g,h,i)perylene
Concen: 18.144 ng
RT: 29.630 min Scan# 4538
Delta R.T. 0.070 min
Lab File: BP024967.D
Acq: 16 Jun 2025 19:06

Instrument :
BNA_P
ClientSampleId :
CL-01-061325



Tgt Ion: 276 Resp: 1858809
Ion Ratio Lower Upper
276 100
277 25.3 19.1 28.7
138 20.0 15.4 23.2

