

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
 Data File : BP024884.D
 Acq On : 09 Jun 2025 19:38
 Operator : RC/JU
 Sample : Q2248-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TR-05-060525

Quant Time: Jun 10 01:31:28 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)

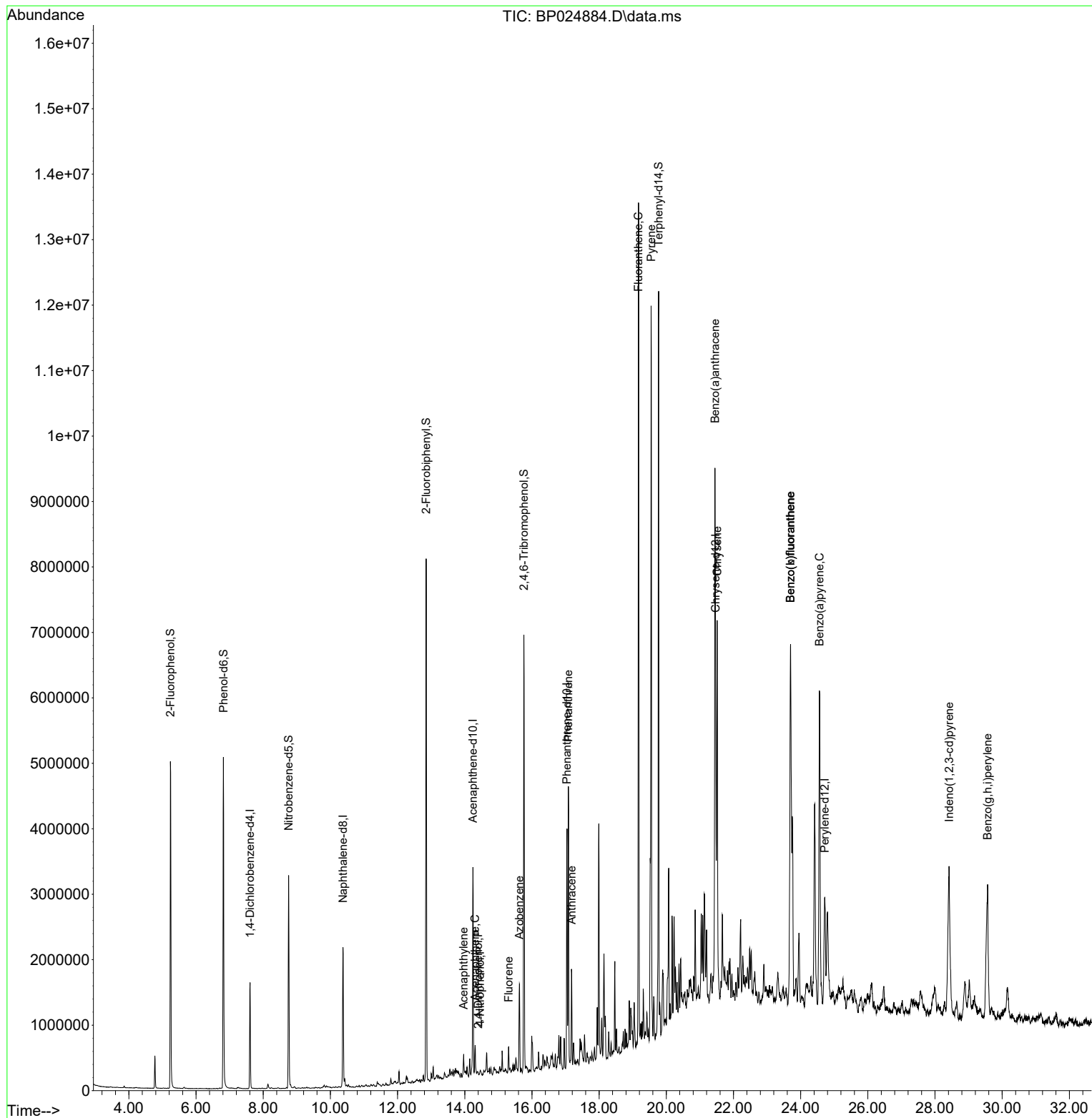
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	440947	20.000	ng	0.00
21) Naphthalene-d8	10.372	136	1775579	20.000	ng	0.00
39) Acenaphthene-d10	14.243	164	1093533	20.000	ng	0.00
64) Phenanthrene-d10	17.042	188	2041613	20.000	ng	-0.02
76) Chrysene-d12	21.466	240	1547318	20.000	ng	-0.02
86) Perylene-d12	24.718	264	1754333	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.237	112	2272165	86.013	ng	0.00
7) Phenol-d6	6.814	99	2987397	85.472	ng	0.00
23) Nitrobenzene-d5	8.755	82	1886654	51.633	ng	0.00
42) 2,4,6-Tribromophenol	15.760	330	1351905	89.419	ng	-0.02
45) 2-Fluorobiphenyl	12.848	172	4119445	50.747	ng	-0.01
79) Terphenyl-d14	19.772	244	5322418	61.649	ng	-0.02
Target Compounds						
						Qvalue
49) Acenaphthylene	13.966	152	208233	2.045	ng	99
52) Acenaphthene	14.307	154	156942	2.689	ng	99
54) 2,4-Dinitrophenol	14.395	184	64	5.569	ng	# 1
56) 4-Nitrophenol	14.454	139	2270	5.548	ng	# 1
58) Fluorene	15.307	166	168327	2.224	ng	99
63) Azobenzene	15.625	77	424233	5.754	ng	# 1
71) Phenanthrene	17.084	178	2448923	21.706	ng	100
72) Anthracene	17.178	178	924998	8.095	ng	99
75) Fluoranthene	19.172	202	7754425	59.300	ng	99
78) Pyrene	19.548	202	6882043	71.193	ng	99
81) Benzo(a)anthracene	21.448	228	4463255	45.100	ng	99
83) Chrysene	21.513	228	4228870	45.098	ng	97
87) Indeno(1,2,3-cd)pyrene	28.418	276	3530068	27.579	ng	96
88) Benzo(b)fluoranthene	23.695	252	6581891	65.556	ng	98
89) Benzo(k)fluoranthene	23.695	252	6581891	64.403	ng	99
90) Benzo(a)pyrene	24.560	252	4765662	48.604	ng	98
92) Benzo(g,h,i)perylene	29.565	276	3566490	34.500	ng	98

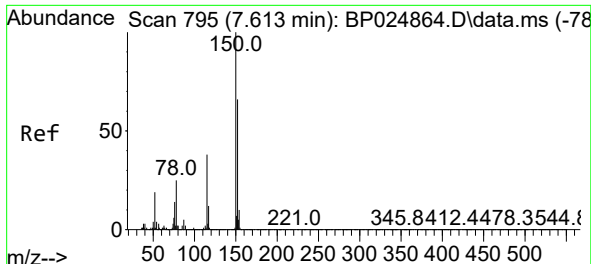
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 10 01:31:28 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

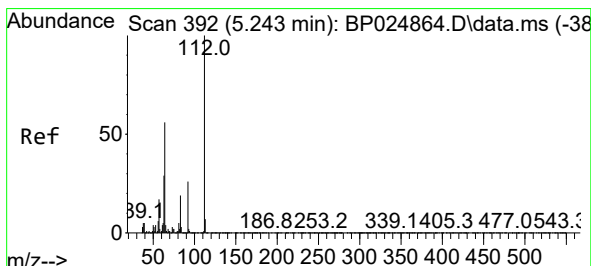
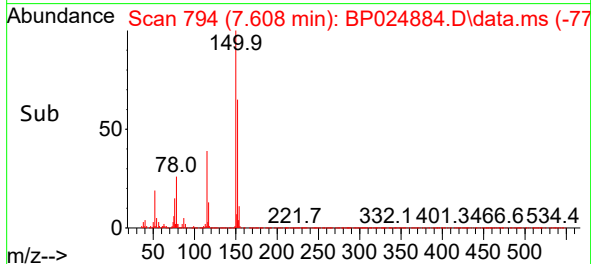
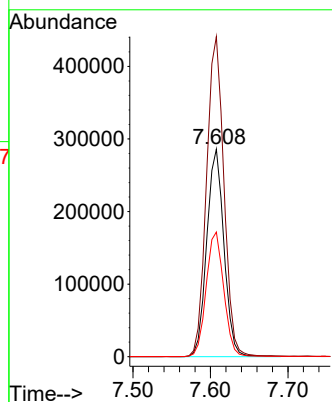
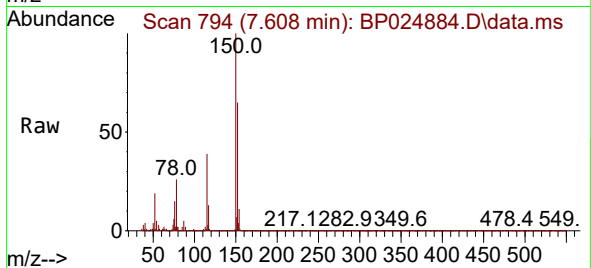




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 795
Delta R.T. -0.005 min
Lab File: BP024884.D
Acq: 09 Jun 2025 19:38

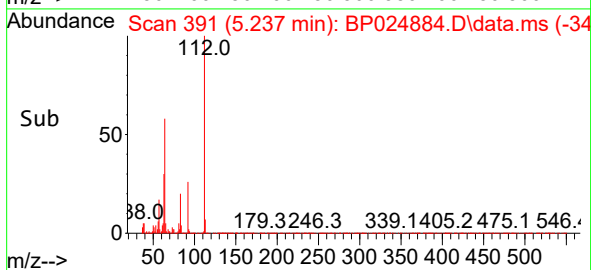
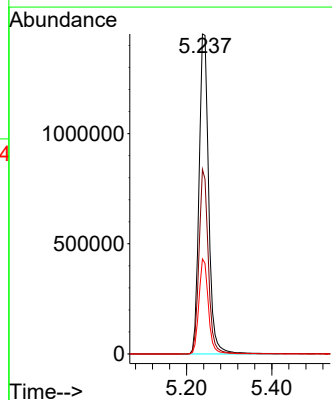
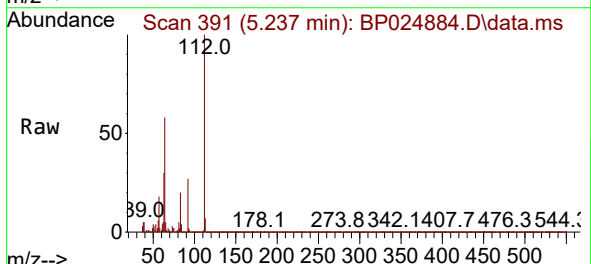
Instrument :
BNA_P
ClientSampleId :
TR-05-060525

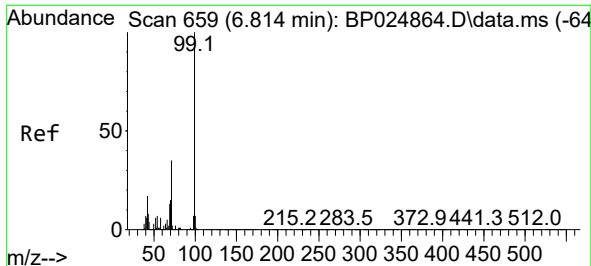
Tgt Ion:152 Resp: 440947
Ion Ratio Lower Upper
152 100
150 154.1 122.1 183.1
115 60.0 46.4 69.6



#5
2-Fluorophenol
Concen: 86.013 ng
RT: 5.237 min Scan# 391
Delta R.T. -0.006 min
Lab File: BP024884.D
Acq: 09 Jun 2025 19:38

Tgt Ion:112 Resp: 2272165
Ion Ratio Lower Upper
112 100
64 57.7 44.7 67.1
63 29.7 23.5 35.3



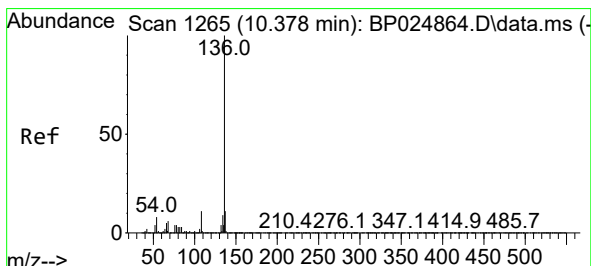
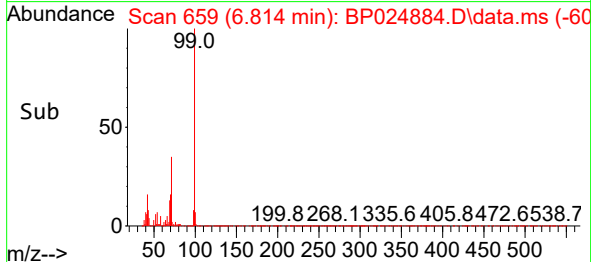
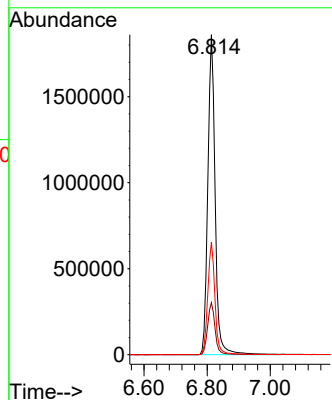
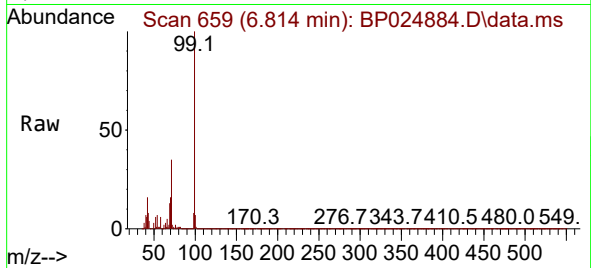


#7
Phenol-d6
Concen: 85.472 ng
RT: 6.814 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP024884.D
Acq: 09 Jun 2025 19:38

Instrument :
BNA_P
ClientSampleId :
TR-05-060525

Tgt Ion: 99 Resp: 2987397

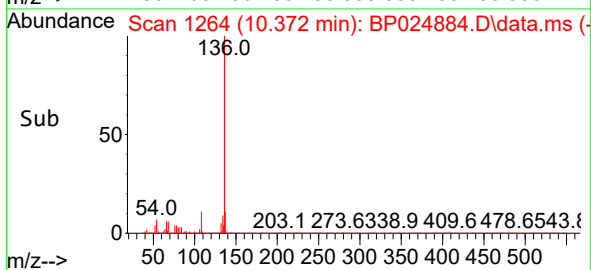
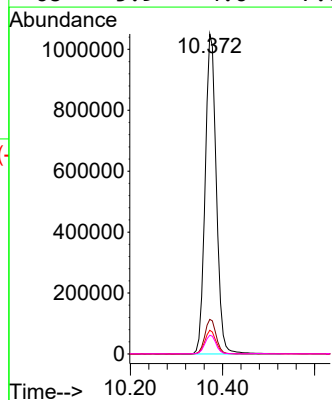
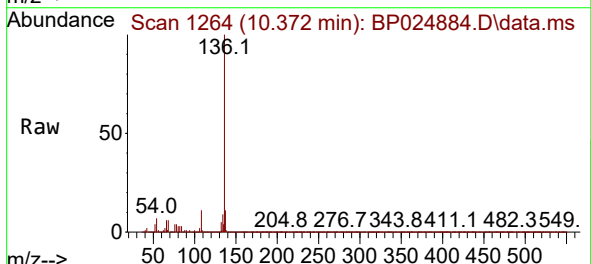
Ion	Ratio	Lower	Upper
99	100		
42	16.2	13.4	20.2
71	35.2	27.6	41.4

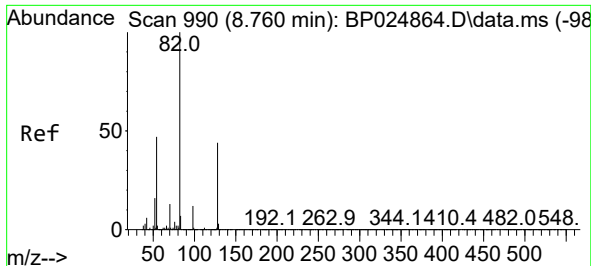


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.372 min Scan# 1264
Delta R.T. -0.006 min
Lab File: BP024884.D
Acq: 09 Jun 2025 19:38

Tgt Ion: 136 Resp: 1775579

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.4	6.1	9.1
68	5.9	4.6	7.0

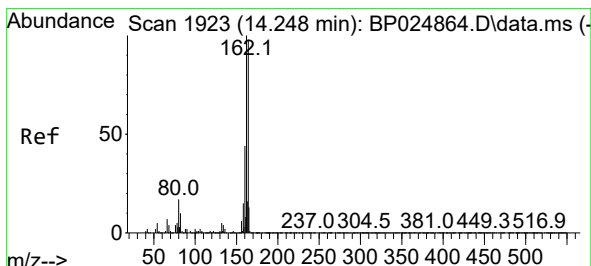
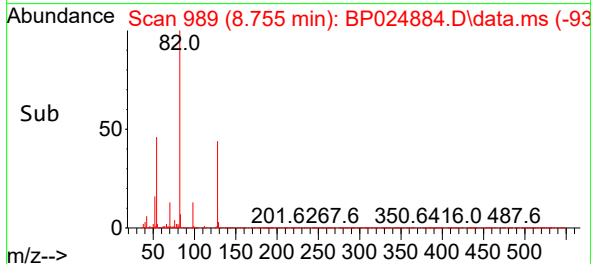
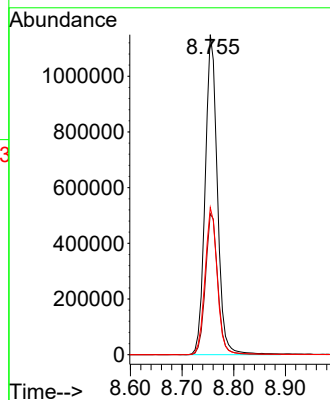
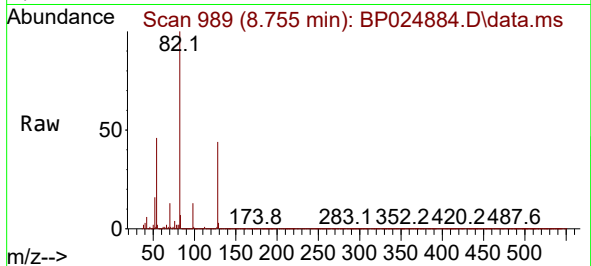




#23
Nitrobenzene-d5
Concen: 51.633 ng
RT: 8.755 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP024884.D
Acq: 09 Jun 2025 19:38

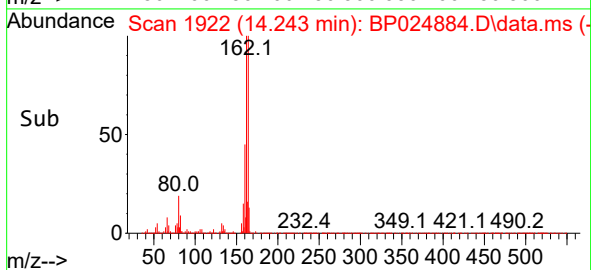
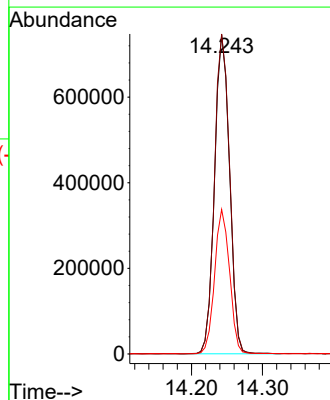
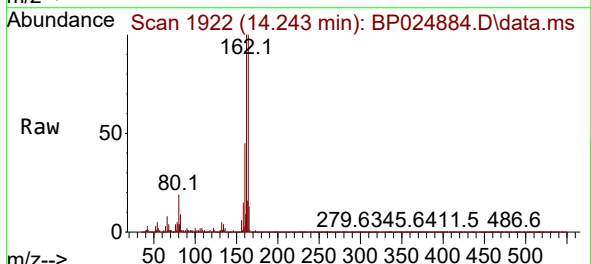
Instrument :
BNA_P
ClientSampleId :
TR-05-060525

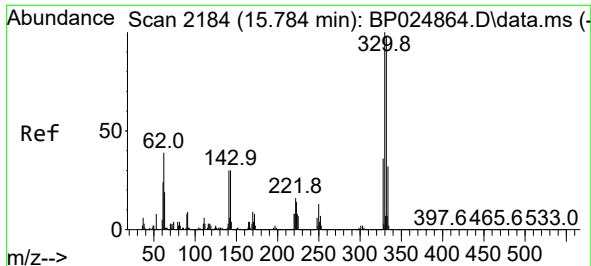
Tgt Ion: 82 Resp: 1886654
Ion Ratio Lower Upper
82 100
128 44.0 35.3 52.9
54 46.0 37.4 56.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.243 min Scan# 1922
Delta R.T. -0.006 min
Lab File: BP024884.D
Acq: 09 Jun 2025 19:38

Tgt Ion:164 Resp: 1093533
Ion Ratio Lower Upper
164 100
162 100.2 81.6 122.4
160 45.3 36.2 54.2

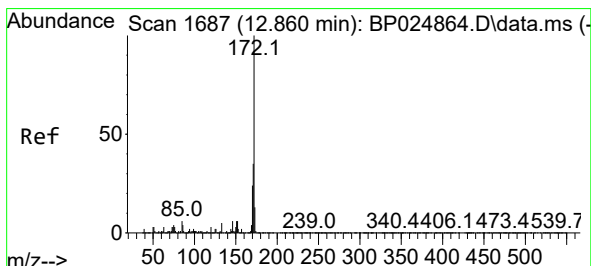
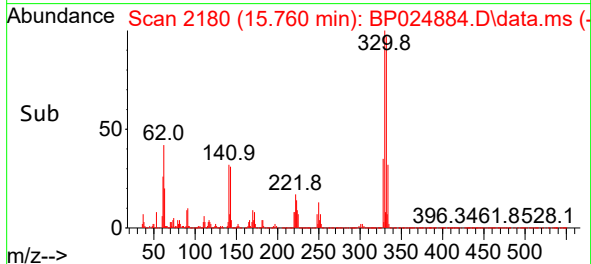
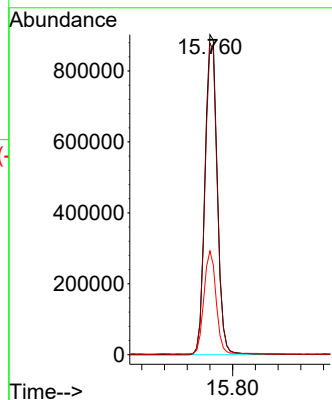
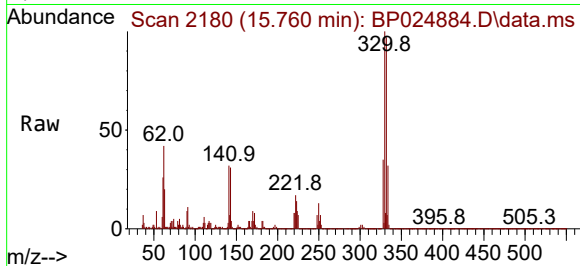




#42
2,4,6-Tribromophenol
Concen: 89.419 ng
RT: 15.760 min Scan# 2184
Delta R.T. -0.024 min
Lab File: BP024884.D
Acq: 09 Jun 2025 19:38

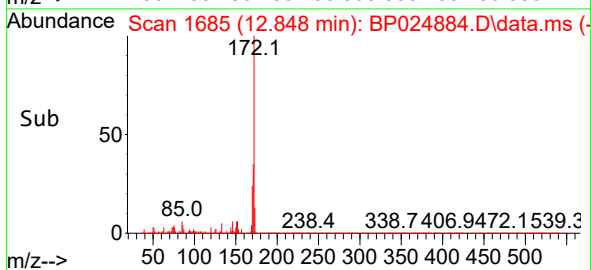
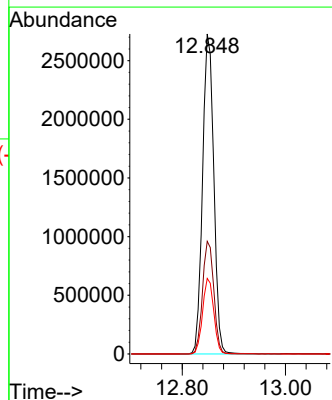
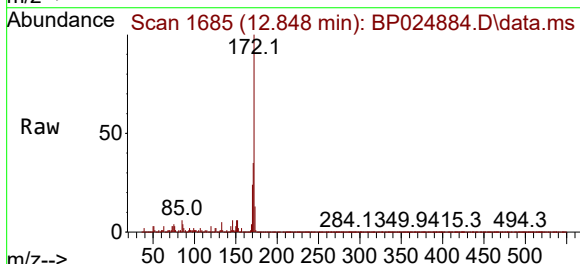
Instrument :
BNA_P
ClientSampleId :
TR-05-060525

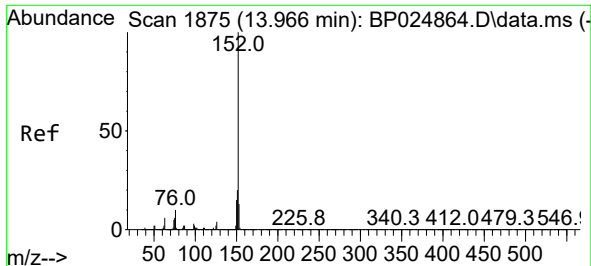
Tgt Ion: 330 Resp: 1351905
Ion Ratio Lower Upper
330 100
332 96.7 77.7 116.5
141 31.5 26.4 39.6



#45
2-Fluorobiphenyl
Concen: 50.747 ng
RT: 12.848 min Scan# 1685
Delta R.T. -0.012 min
Lab File: BP024884.D
Acq: 09 Jun 2025 19:38

Tgt Ion: 172 Resp: 4119445
Ion Ratio Lower Upper
172 100
171 35.2 28.3 42.5
170 23.6 19.0 28.4

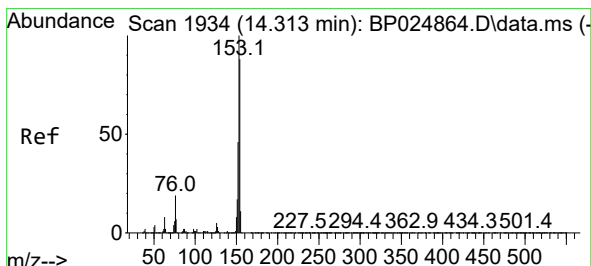
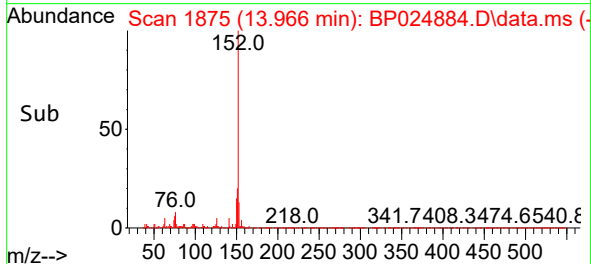
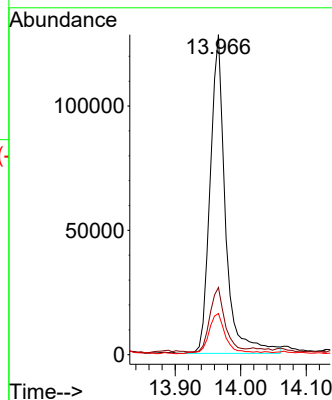
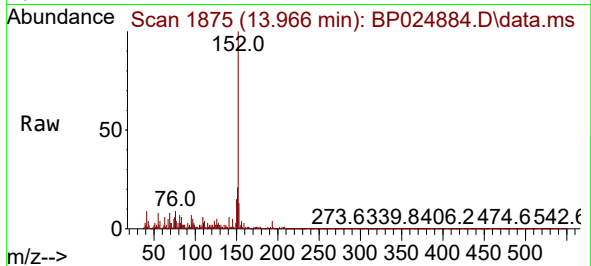




#49
Acenaphthylene
Concen: 2.045 ng
RT: 13.966 min Scan# 1875
Delta R.T. -0.000 min
Lab File: BP024884.D
Acq: 09 Jun 2025 19:38

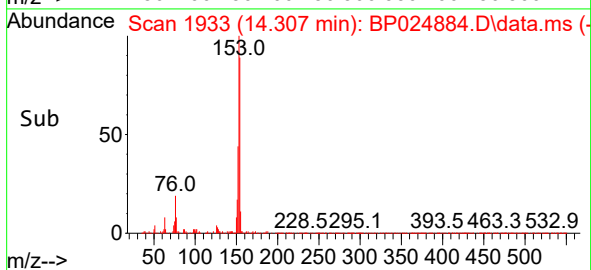
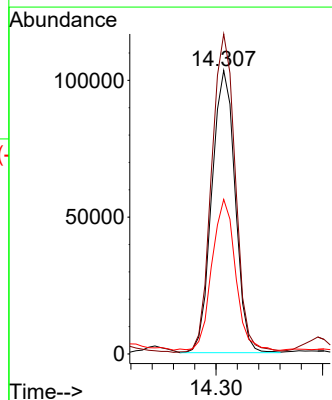
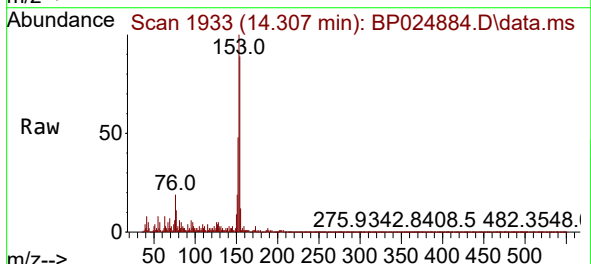
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ClientSampleId :
TR-05-060525

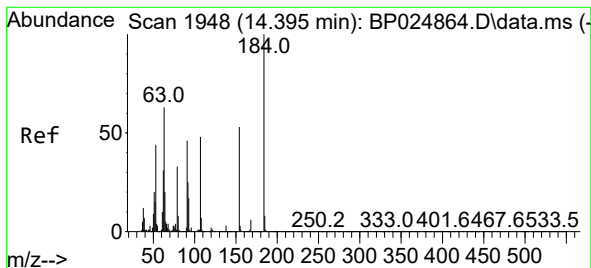
Tgt Ion:152 Resp: 208233
Ion Ratio Lower Upper
152 100
151 21.0 16.2 24.2
153 12.8 10.6 15.8



#52
Acenaphthene
Concen: 2.689 ng
RT: 14.307 min Scan# 1933
Delta R.T. -0.006 min
Lab File: BP024884.D
Acq: 09 Jun 2025 19:38

Tgt Ion:154 Resp: 156942
Ion Ratio Lower Upper
154 100
153 112.9 90.5 135.7
152 54.5 42.1 63.1

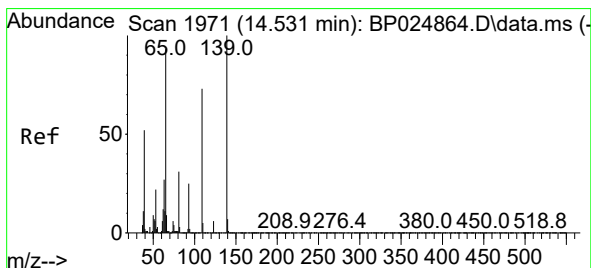
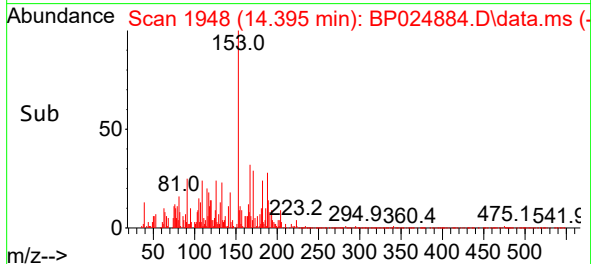
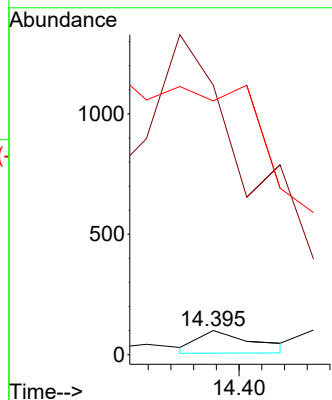
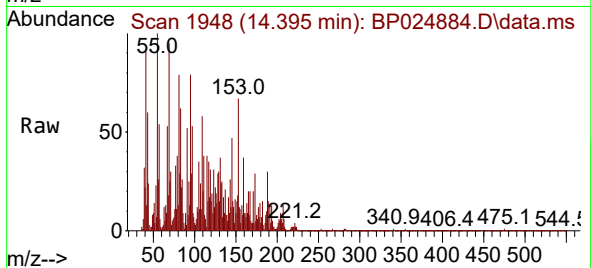




#54
2,4-Dinitrophenol
Concen: 5.569 ng
RT: 14.395 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BP024884.D
Acq: 09 Jun 2025 19:38

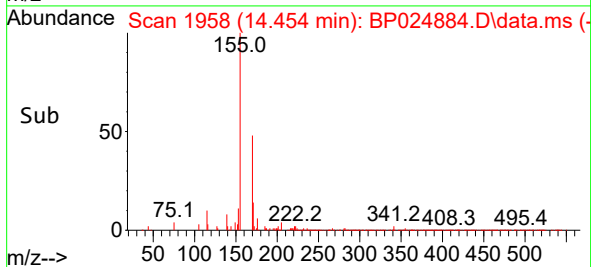
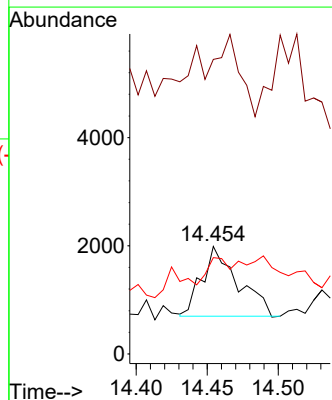
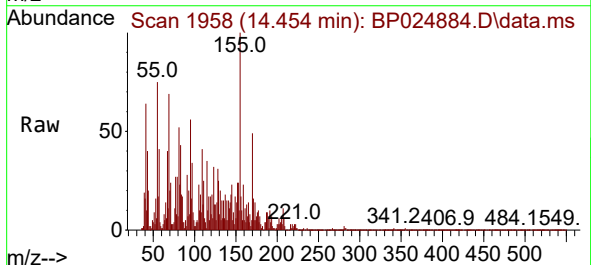
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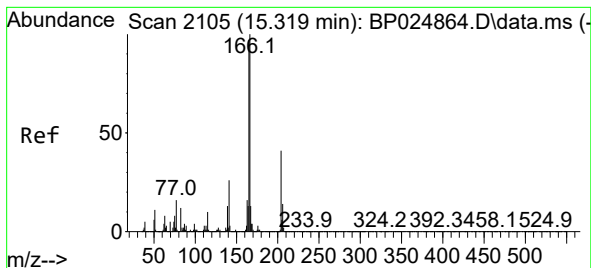
Tgt Ion:184 Resp: 64
Ion Ratio Lower Upper
184 100
63 1119.0 51.0 76.4#
154 1054.0 51.7 77.5#



#56
4-Nitrophenol
Concen: 5.548 ng
RT: 14.454 min Scan# 1958
Delta R.T. -0.077 min
Lab File: BP024884.D
Acq: 09 Jun 2025 19:38

Tgt Ion:139 Resp: 2270
Ion Ratio Lower Upper
139 100
109 273.8 53.1 93.1#
65 89.5 73.0 113.0





#58

Fluorene

Concen: 2.224 ng

RT: 15.307 min Scan# 2105

Delta R.T. -0.012 min

Lab File: BP024884.D

Acq: 09 Jun 2025 19:38

Instrument :

BNA_P

ClientSampleId :

TR-05-060525

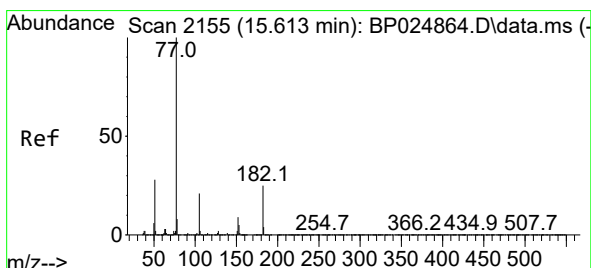
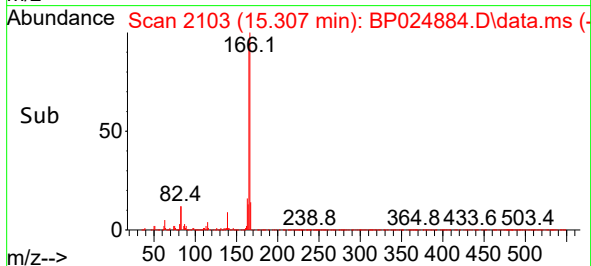
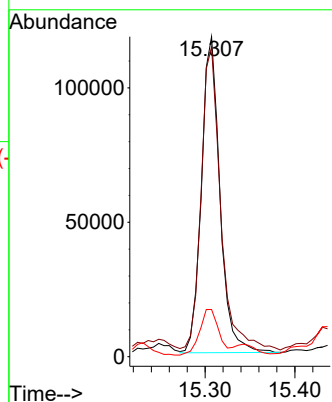
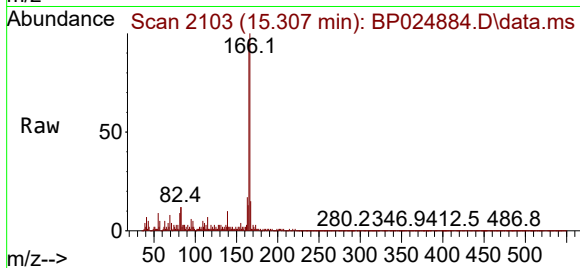
Tgt Ion:166 Resp: 168327

Ion Ratio Lower Upper

166 100

165 96.8 77.7 116.5

167 14.8 10.6 16.0



#63

Azobenzene

Concen: 5.754 ng

RT: 15.625 min Scan# 2157

Delta R.T. 0.012 min

Lab File: BP024884.D

Acq: 09 Jun 2025 19:38

Tgt Ion: 77 Resp: 424233

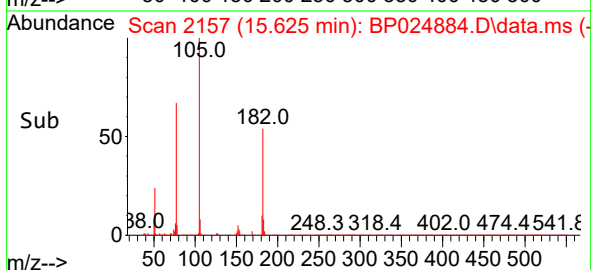
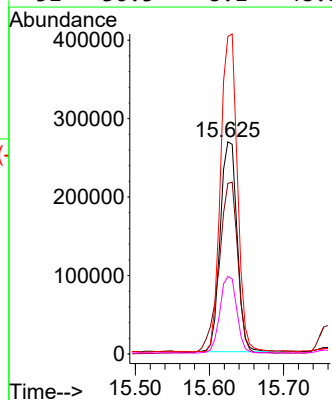
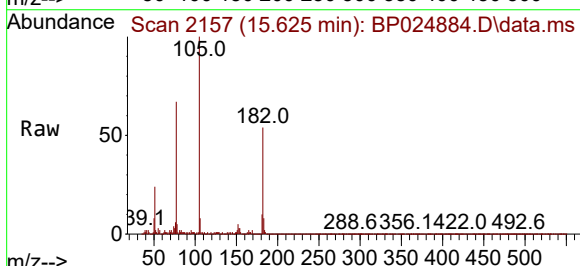
Ion Ratio Lower Upper

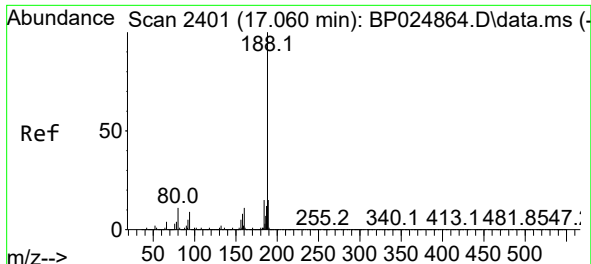
77 100

182 80.4 5.4 45.4#

105 149.6 0.8 40.8#

51 36.5 8.1 48.1

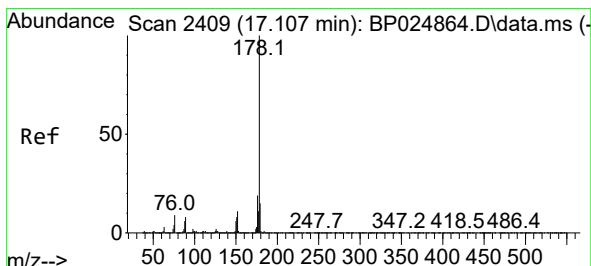
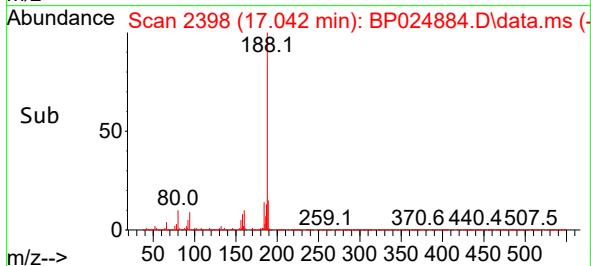
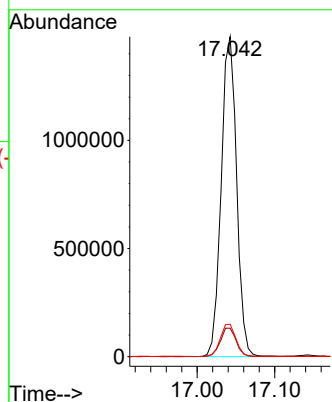
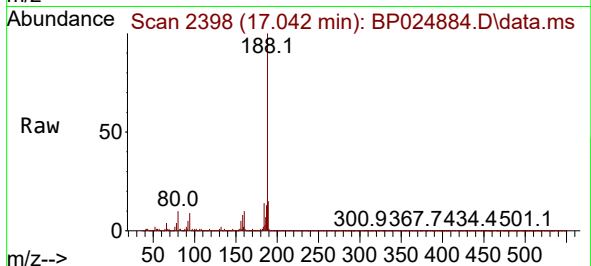




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.042 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP024884.D
Acq: 09 Jun 2025 19:38

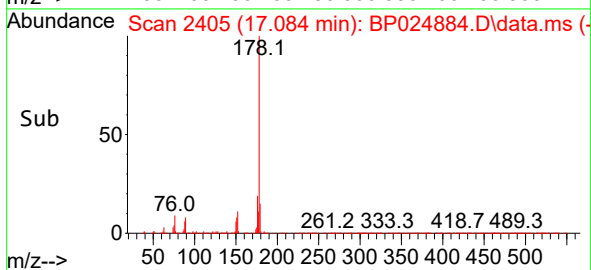
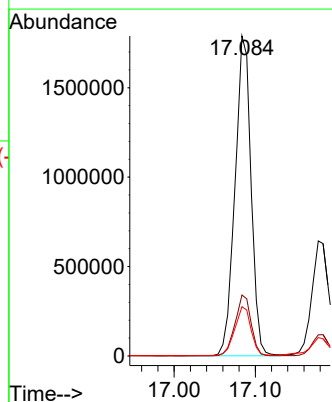
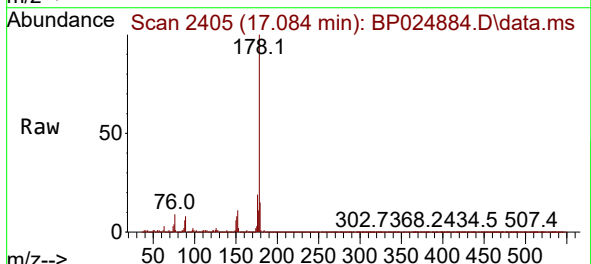
Instrument :
BNA_P
ClientSampleId :
TR-05-060525

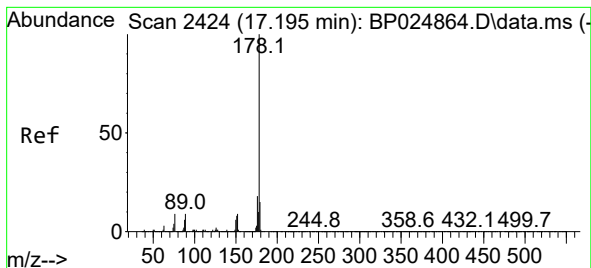
Tgt Ion:188 Resp: 2041613
Ion Ratio Lower Upper
188 100
94 8.9 7.3 10.9
80 10.2 8.5 12.7



#71
Phenanthrene
Concen: 21.706 ng
RT: 17.084 min Scan# 2405
Delta R.T. -0.024 min
Lab File: BP024884.D
Acq: 09 Jun 2025 19:38

Tgt Ion:178 Resp: 2448923
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.4 12.1 18.1





#72

Anthracene

Concen: 8.095 ng

RT: 17.178 min Scan# 2424

Delta R.T. -0.018 min

Lab File: BP024884.D

Acq: 09 Jun 2025 19:38

Instrument :

BNA_P

ClientSampleId :

TR-05-060525

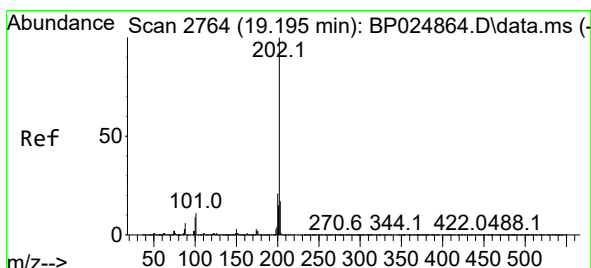
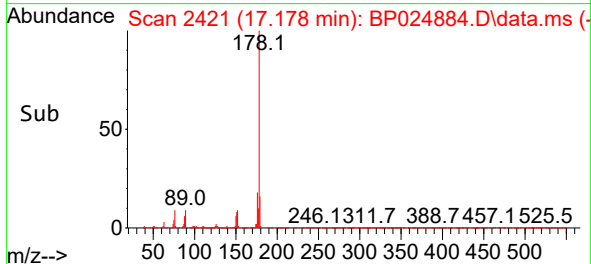
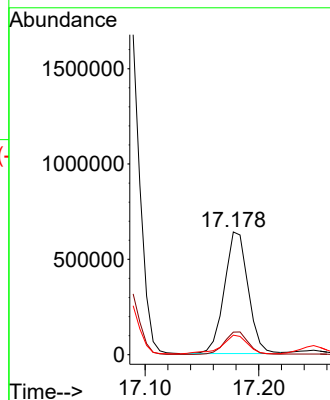
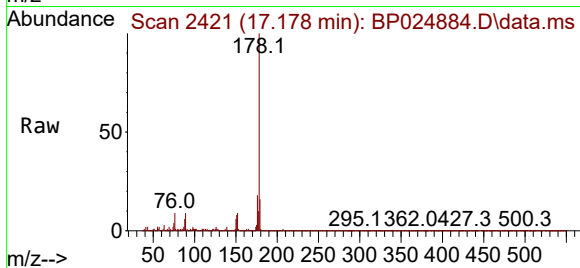
Tgt Ion:178 Resp: 924998

Ion Ratio Lower Upper

178 100

176 18.4 14.7 22.1

179 16.0 12.3 18.5



#75

Fluoranthene

Concen: 59.300 ng

RT: 19.172 min Scan# 2760

Delta R.T. -0.024 min

Lab File: BP024884.D

Acq: 09 Jun 2025 19:38

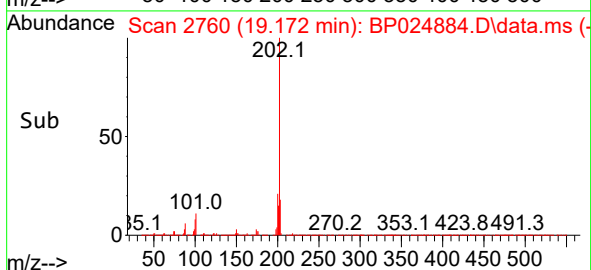
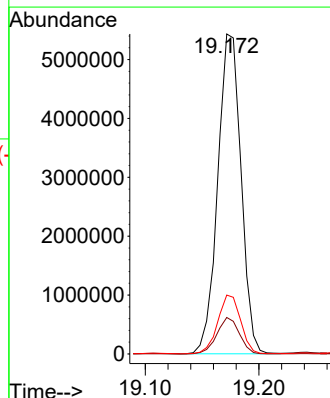
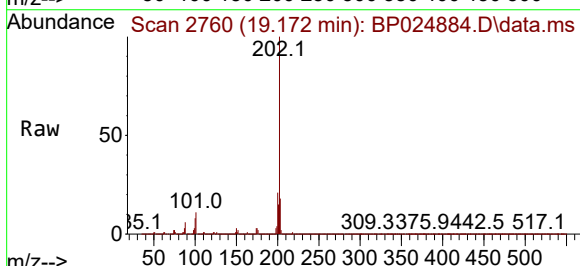
Tgt Ion:202 Resp: 7754425

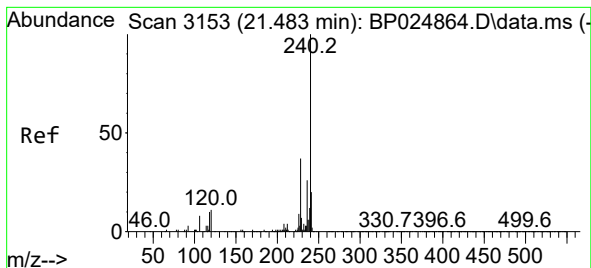
Ion Ratio Lower Upper

202 100

101 11.4 0.0 31.4

203 18.4 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.466 min Scan# 3150

Delta R.T. -0.018 min

Lab File: BP024884.D

Acq: 09 Jun 2025 19:38

Instrument :

BNA_P

ClientSampleId :

TR-05-060525

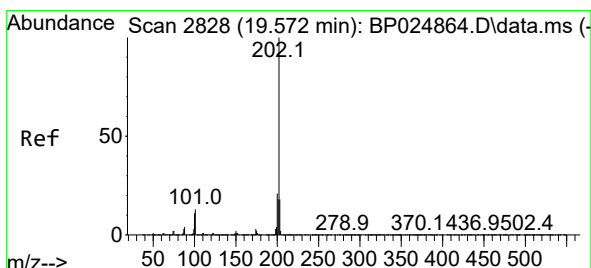
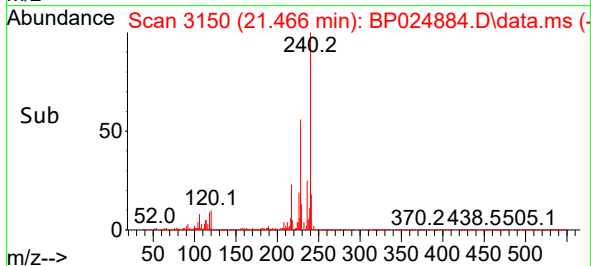
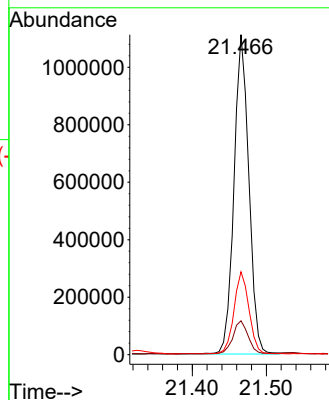
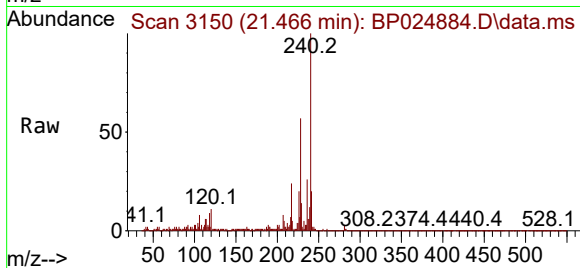
Tgt Ion:240 Resp: 1547318

Ion Ratio Lower Upper

240 100

120 10.6 8.9 13.3

236 25.9 20.9 31.3



#78

Pyrene

Concen: 71.193 ng

RT: 19.548 min Scan# 2824

Delta R.T. -0.024 min

Lab File: BP024884.D

Acq: 09 Jun 2025 19:38

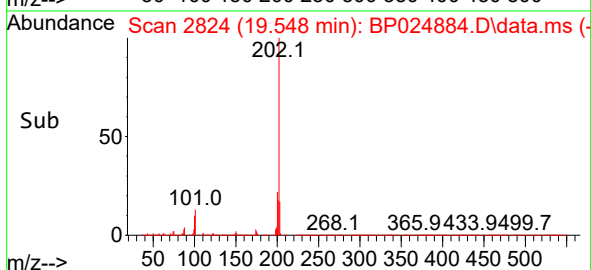
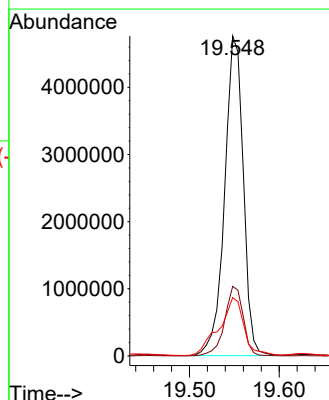
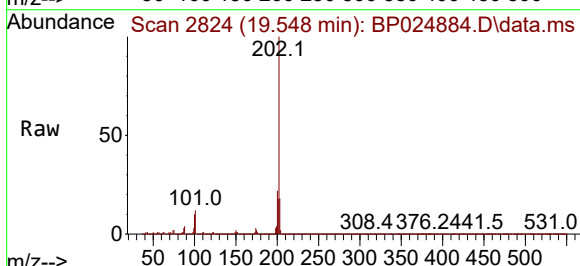
Tgt Ion:202 Resp: 6882043

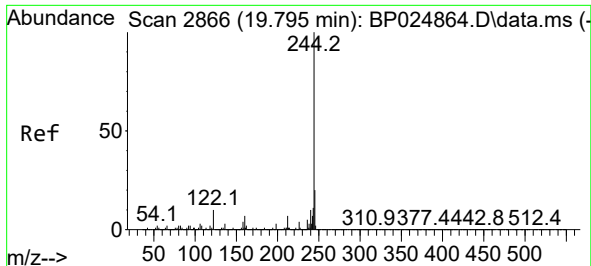
Ion Ratio Lower Upper

202 100

200 21.7 17.1 25.7

203 18.3 14.0 21.0

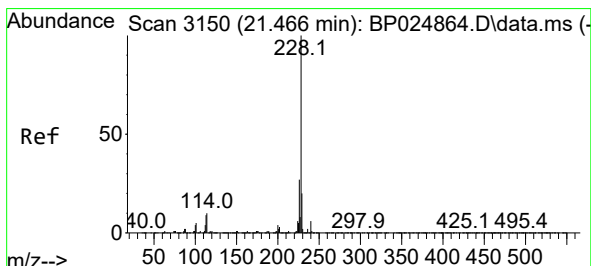
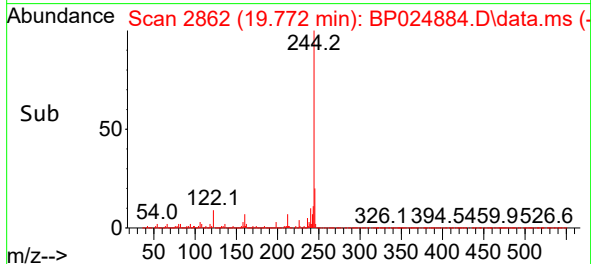
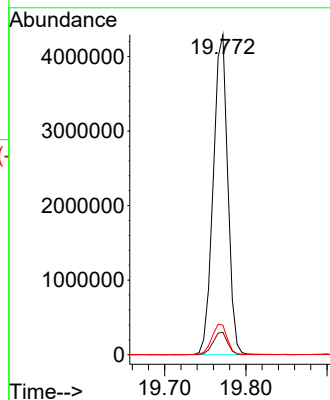
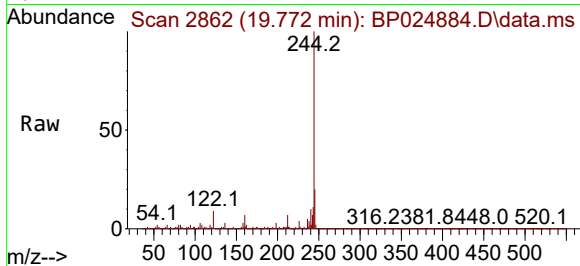




#79
 Terphenyl-d14
 Concen: 61.649 ng
 RT: 19.772 min Scan# 21
 Delta R.T. -0.024 min
 Lab File: BP024884.D
 Acq: 09 Jun 2025 19:38

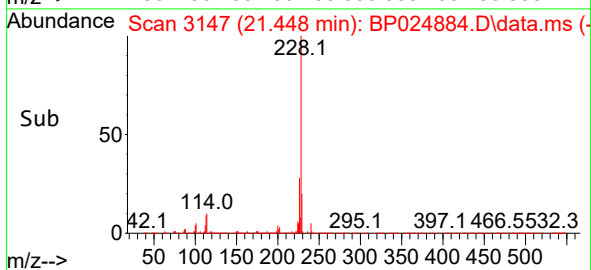
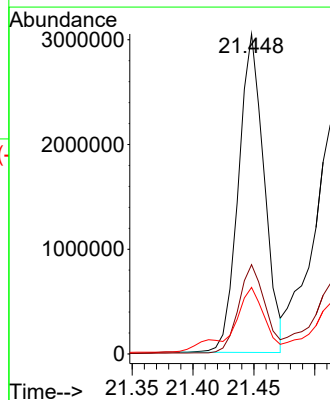
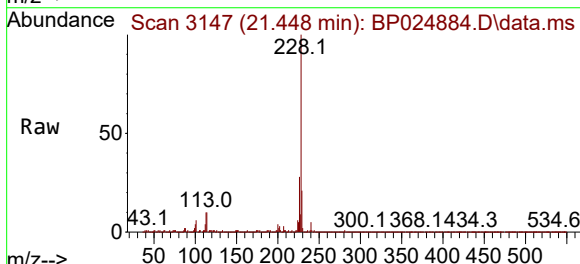
Instrument :
 BNA_P
 ClientSampleId :
 TR-05-060525

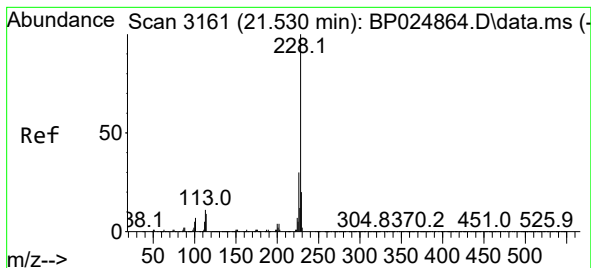
Tgt Ion:244 Resp: 5322418
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.6 8.4
 122 9.2 7.7 11.5



#81
 Benzo(a)anthracene
 Concen: 45.100 ng
 RT: 21.448 min Scan# 3147
 Delta R.T. -0.018 min
 Lab File: BP024884.D
 Acq: 09 Jun 2025 19:38

Tgt Ion:228 Resp: 4463255
 Ion Ratio Lower Upper
 228 100
 226 27.9 22.1 33.1
 229 20.8 15.9 23.9





#83

Chrysene

Concen: 45.098 ng

RT: 21.513 min Scan# 3161

Delta R.T. -0.018 min

Lab File: BP024884.D

Acq: 09 Jun 2025 19:38

Instrument :

BNA_P

ClientSampleId :

TR-05-060525

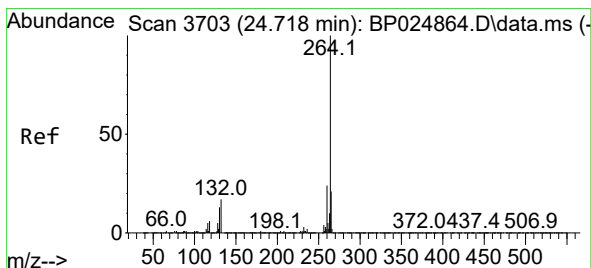
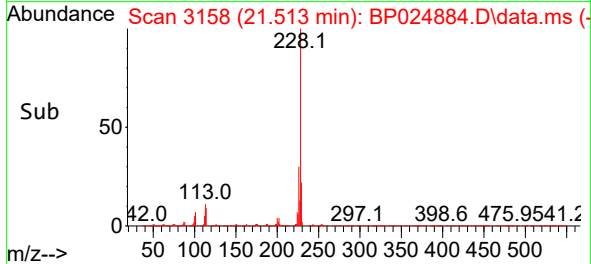
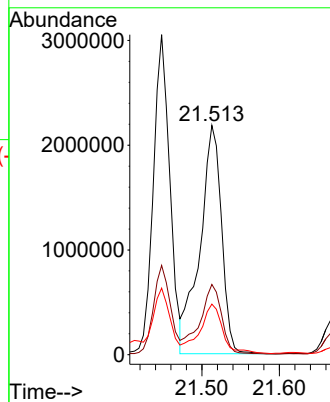
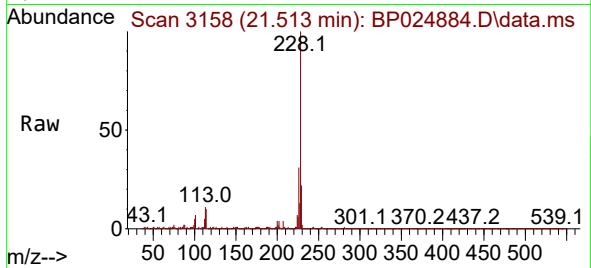
Tgt Ion:228 Resp: 4228870

Ion Ratio Lower Upper

228 100

226 30.6 23.8 35.6

229 22.1 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.718 min Scan# 3703

Delta R.T. -0.000 min

Lab File: BP024884.D

Acq: 09 Jun 2025 19:38

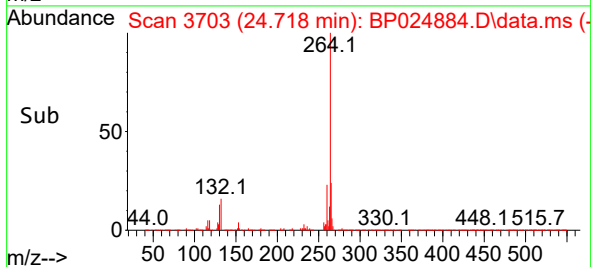
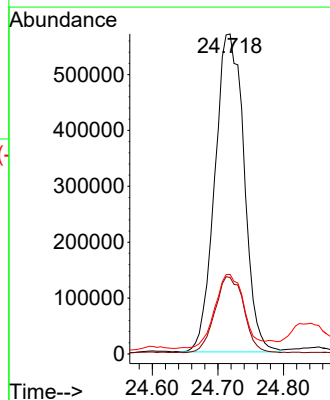
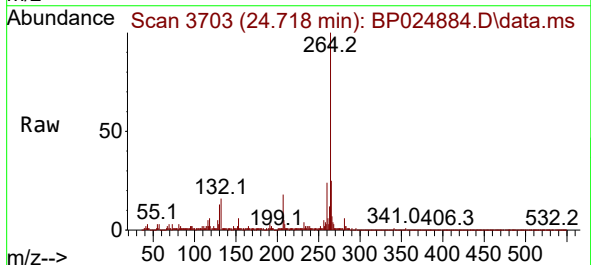
Tgt Ion:264 Resp: 1754333

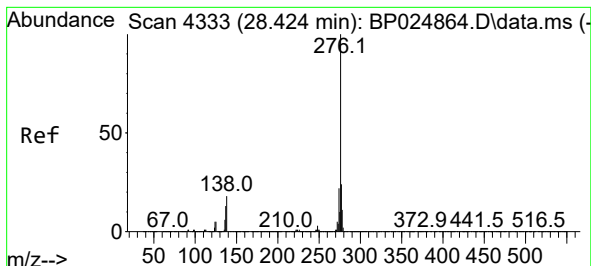
Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.4

265 24.9 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 27.579 ng

RT: 28.418 min Scan# 41

Delta R.T. -0.006 min

Lab File: BP024884.D

Acq: 09 Jun 2025 19:38

Instrument :

BNA_P

ClientSampleId :

TR-05-060525

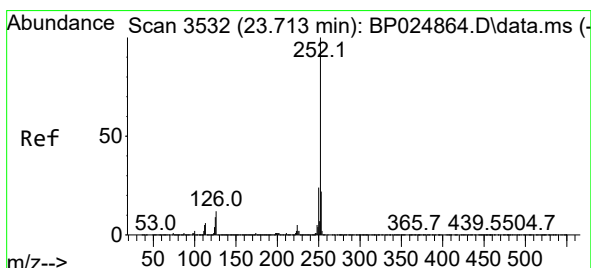
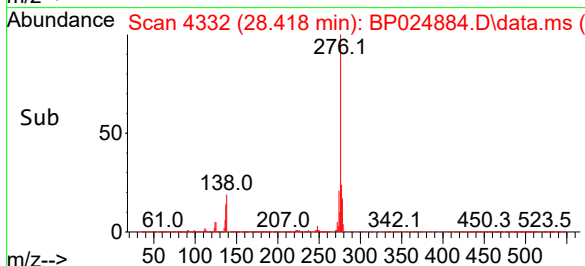
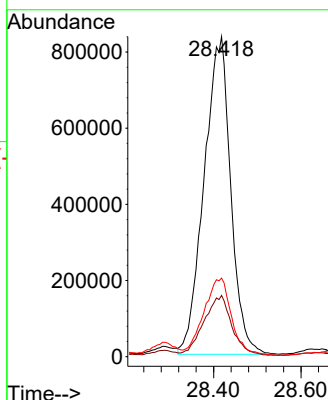
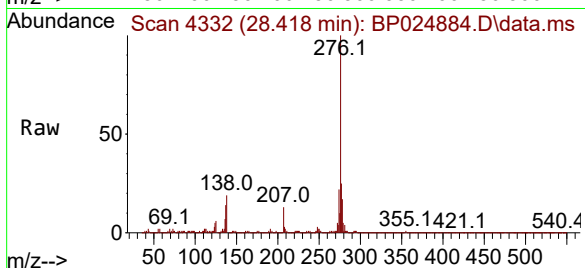
Tgt Ion:276 Resp: 3530068

Ion Ratio Lower Upper

276 100

138 19.7 18.6 27.8

277 25.2 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 65.556 ng

RT: 23.695 min Scan# 3529

Delta R.T. -0.018 min

Lab File: BP024884.D

Acq: 09 Jun 2025 19:38

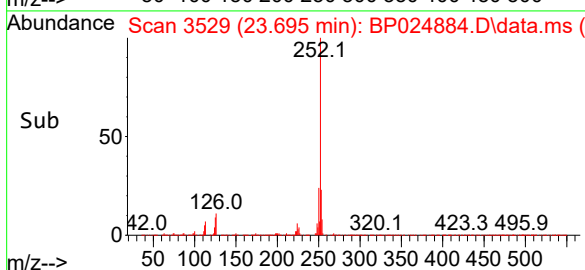
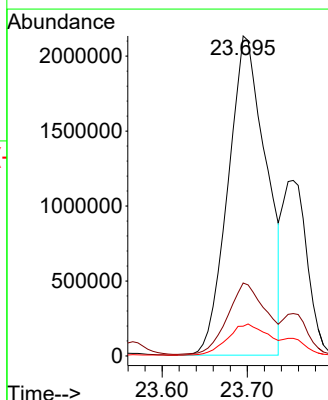
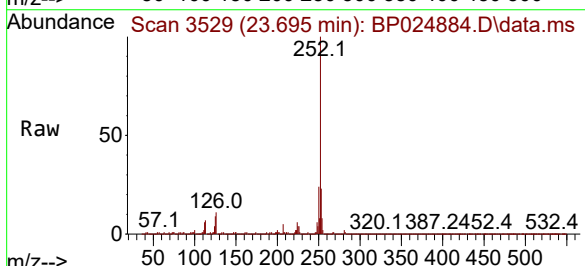
Tgt Ion:252 Resp: 6581891

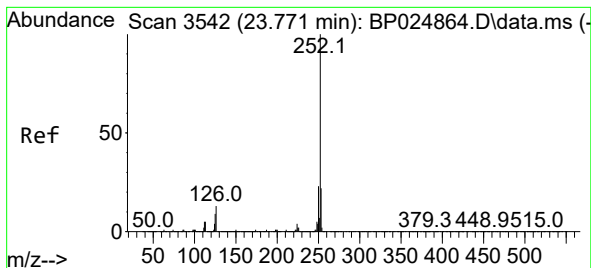
Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

125 9.3 7.1 10.7





#89

Benzo(k)fluoranthene

Concen: 64.403 ng

RT: 23.695 min Scan# 3529

Delta R.T. -0.076 min

Lab File: BP024884.D

Acq: 09 Jun 2025 19:38

Instrument :

BNA_P

ClientSampleId :

TR-05-060525

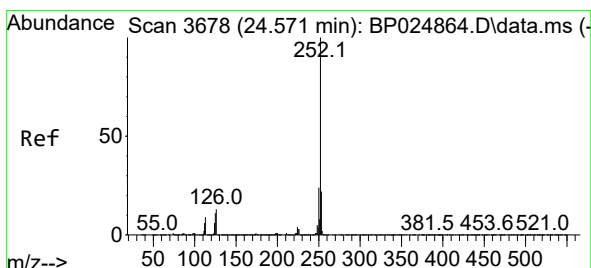
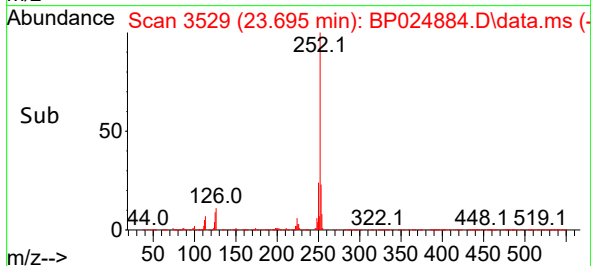
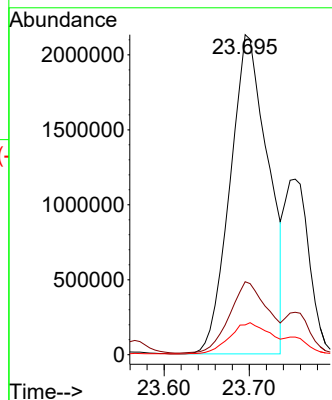
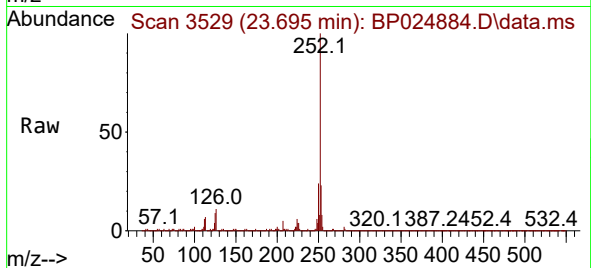
Tgt Ion:252 Resp: 6581891

Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

125 9.3 7.4 11.0



#90

Benzo(a)pyrene

Concen: 48.604 ng

RT: 24.560 min Scan# 3676

Delta R.T. -0.012 min

Lab File: BP024884.D

Acq: 09 Jun 2025 19:38

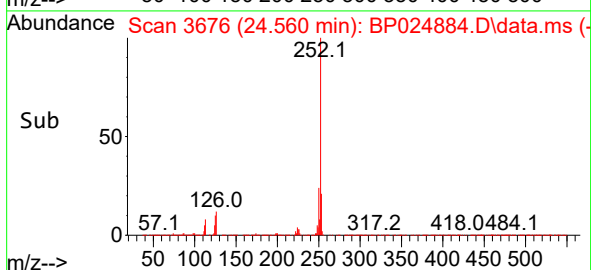
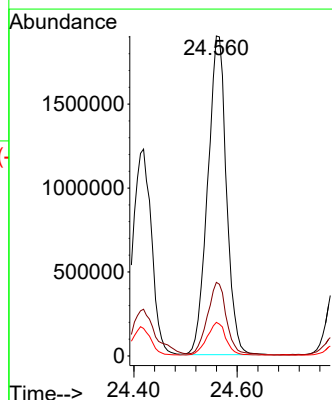
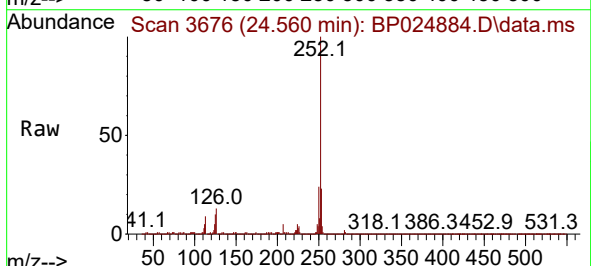
Tgt Ion:252 Resp: 4765662

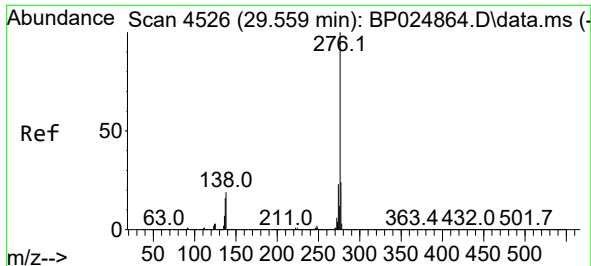
Ion Ratio Lower Upper

252 100

253 23.0 17.5 26.3

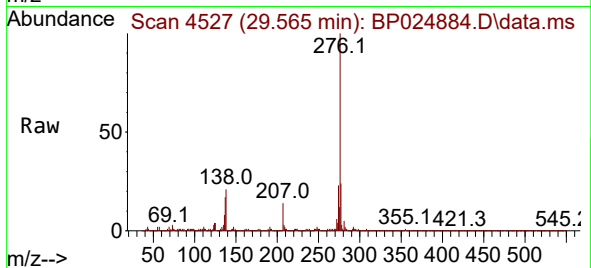
125 10.5 8.8 13.2





#92
Benzo(g,h,i)perylene
Concen: 34.500 ng
RT: 29.565 min Scan# 41
Delta R.T. 0.006 min
Lab File: BP024884.D
Acq: 09 Jun 2025 19:38

Instrument :
BNA_P
ClientSampleId :
TR-05-060525



Tgt Ion: 276 Resp: 3566490
Ion Ratio Lower Upper
276 100
277 24.1 19.1 28.7
138 20.6 15.4 23.2

