

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080825\
 Data File : BP025340.D
 Acq On : 08 Aug 2025 20:06
 Operator : CG/JU
 Sample : Q2779-05 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-5

Quant Time: Aug 11 01:50:50 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 06 06:41:44 2025
 Response via : Initial Calibration

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

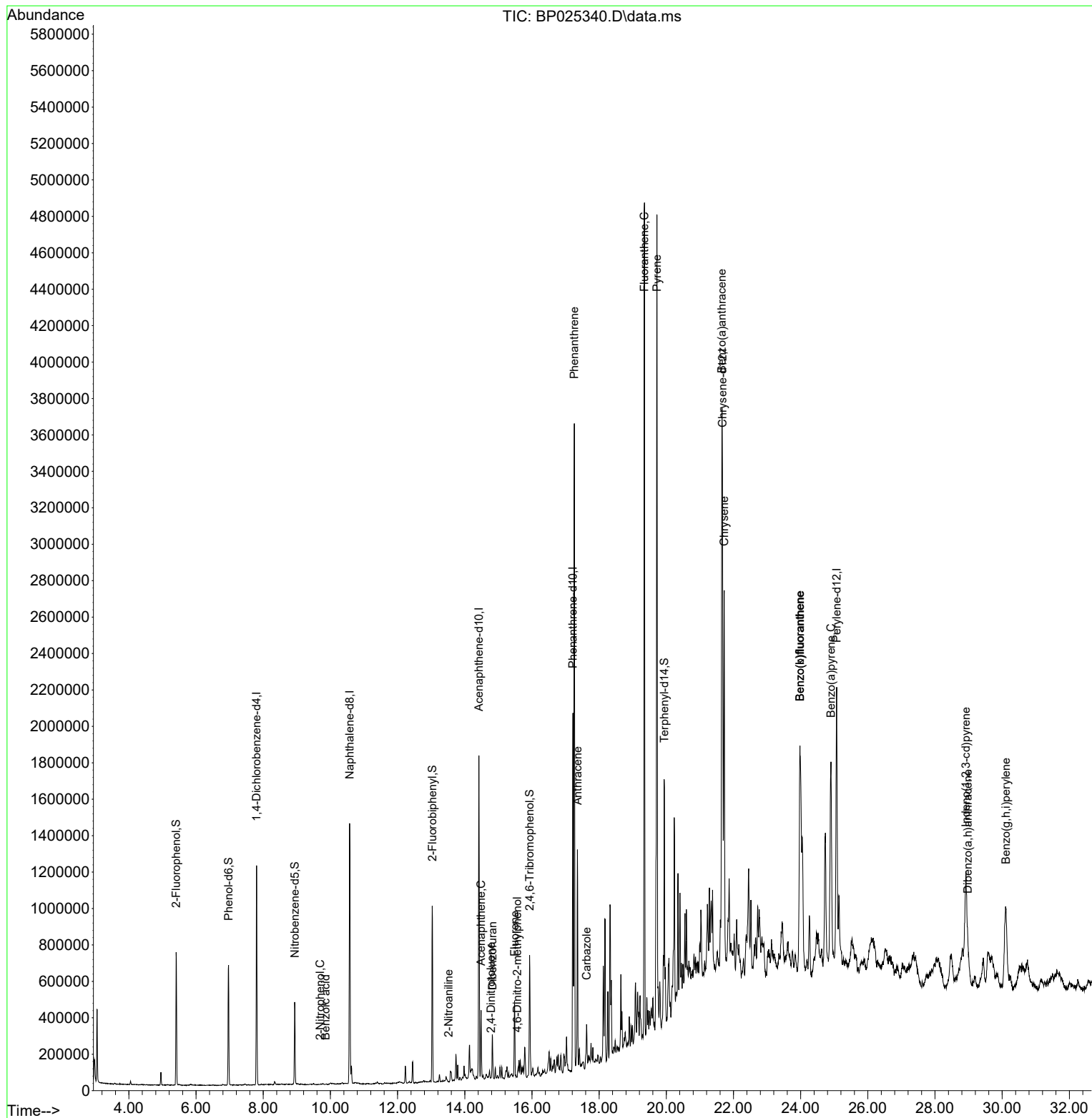
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.802	152	324273	20.000	ng	0.00
21) Naphthalene-d8	10.572	136	1220171	20.000	ng	0.00
39) Acenaphthene-d10	14.419	164	650571	20.000	ng	0.00
64) Phenanthrene-d10	17.219	188	1125106	20.000	ng	0.00
76) Chrysene-d12	21.671	240	1158785	20.000	ng	0.01
86) Perylene-d12	25.071	264	1399059	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	328682	16.302	ng	0.00
7) Phenol-d6	6.966	99	383636	14.458	ng	0.00
23) Nitrobenzene-d5	8.937	82	246733	11.203	ng	0.00
42) 2,4,6-Tribromophenol	15.931	330	105766	16.296	ng	0.00
45) 2-Fluorobiphenyl	13.031	172	520222	11.045	ng	0.00
79) Terphenyl-d14	19.942	244	595060	9.699	ng	0.00
Target Compounds						Qvalue
26) 2-Nitrophenol	9.690	139	104	3.649	ng	# 1
32) Benzoic acid	9.854	122	119	5.964	ng	# 1
48) 2-Nitroaniline	13.519	65	350	2.995	ng	# 48
52) Acenaphthene	14.484	154	138966	3.734	ng	98
55) Dibenzofuran	14.819	168	127650	2.295	ng	97
57) 2,4-Dinitrotoluene	14.784	165	325	3.277	ng	# 55
58) Fluorene	15.484	166	208665	4.777	ng	99
65) 4,6-Dinitro-2-methylph...	15.560	198	141	4.868	ng	# 1
71) Phenanthrene	17.260	178	2261274	36.695	ng	100
72) Anthracene	17.354	178	687849	11.070	ng	99
73) Carbazole	17.625	167	160481	2.691	ng	99
75) Fluoranthene	19.348	202	2989103	41.901	ng	99
78) Pyrene	19.719	202	2843404	36.900	ng	99
81) Benzo(a)anthracene	21.654	228	1656744	21.515	ng	98
83) Chrysene	21.724	228	1415983	19.826	ng	99
87) Indeno(1,2,3-cd)pyrene	28.918	276	860711	8.583	ng	# 89
88) Benzo(b)fluoranthene	23.977	252	1759903	21.014	ng	97
89) Benzo(k)fluoranthene	23.977	252	1759903	21.198	ng	97
90) Benzo(a)pyrene	24.901	252	1433699	17.776	ng	98
91) Dibenzo(a,h)anthracene	28.977	278	237789	2.895	ng	# 91
92) Benzo(g,h,i)perylene	30.112	276	800929	9.937	ng	99

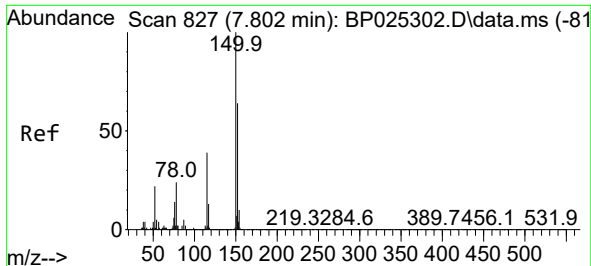
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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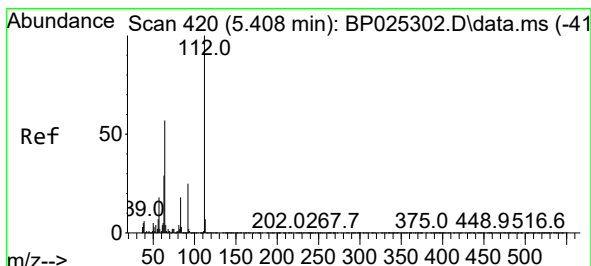
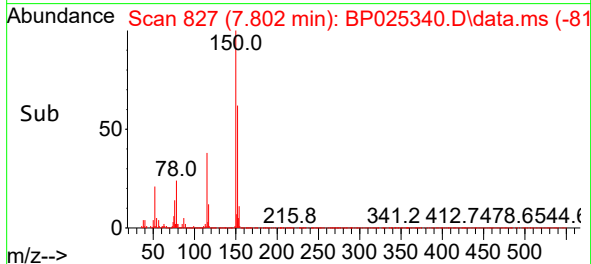
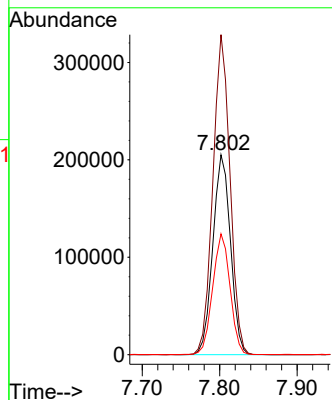
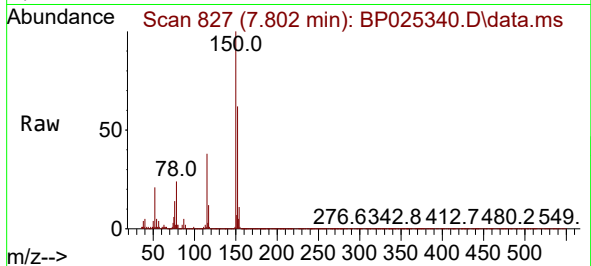




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP025340.D
Acq: 08 Aug 2025 20:06

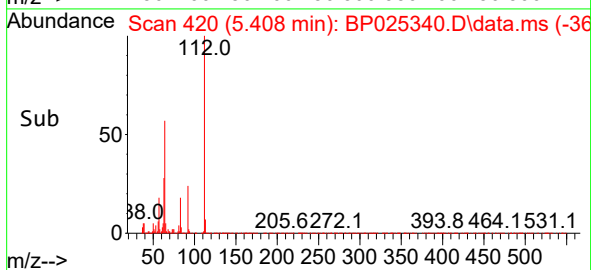
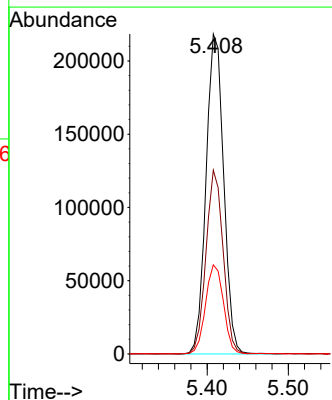
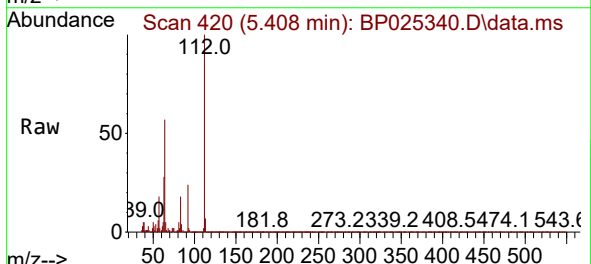
Instrument :
BNA_P
ClientSampleId :
TP-5

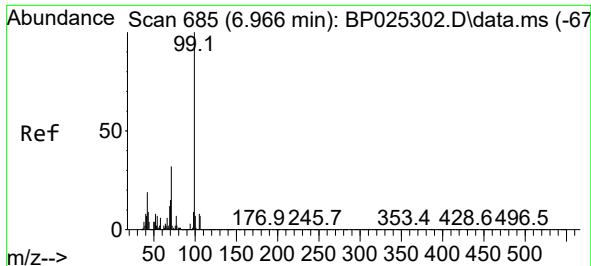
Tgt Ion:152 Resp: 324273
Ion Ratio Lower Upper
152 100
150 160.1 125.1 187.7
115 60.4 48.4 72.6



#5
2-Fluorophenol
Concen: 16.302 ng
RT: 5.408 min Scan# 420
Delta R.T. -0.000 min
Lab File: BP025340.D
Acq: 08 Aug 2025 20:06

Tgt Ion:112 Resp: 328682
Ion Ratio Lower Upper
112 100
64 57.5 45.3 67.9
63 27.8 23.0 34.6

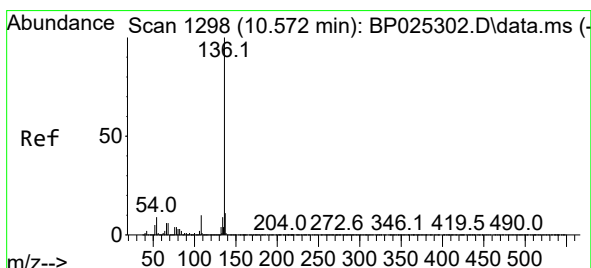
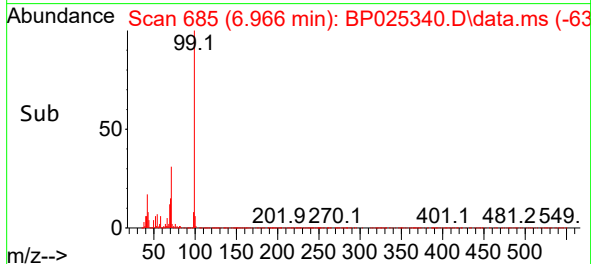
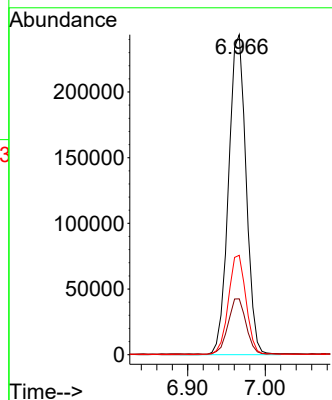
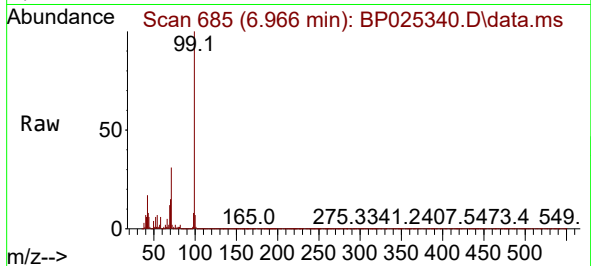




#7
Phenol-d6
Concen: 14.458 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025340.D
Acq: 08 Aug 2025 20:06

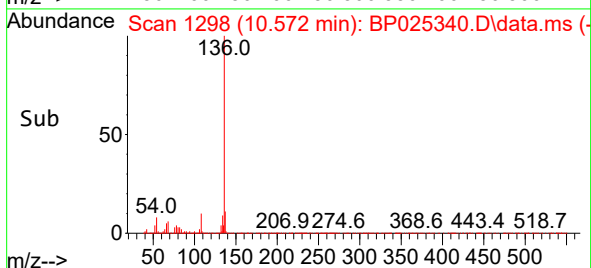
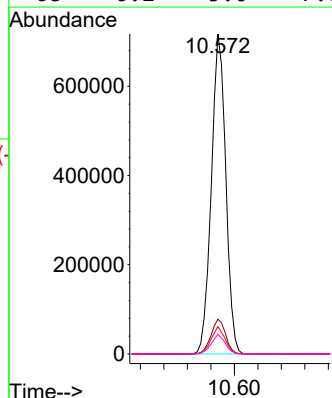
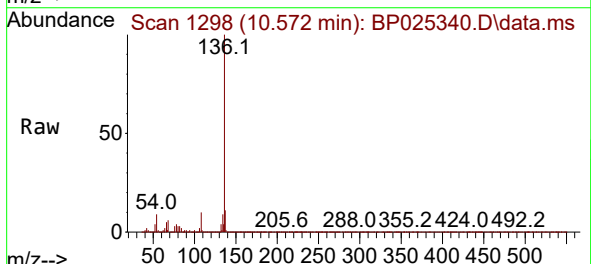
Instrument :
BNA_P
ClientSampleId :
TP-5

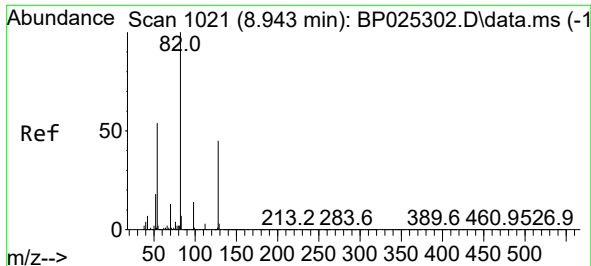
Tgt Ion: 99 Resp: 383636
Ion Ratio Lower Upper
99 100
42 17.4 15.0 22.6
71 31.0 25.5 38.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BP025340.D
Acq: 08 Aug 2025 20:06

Tgt Ion: 136 Resp: 1220171
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 8.5 7.0 10.6
68 6.2 5.0 7.6

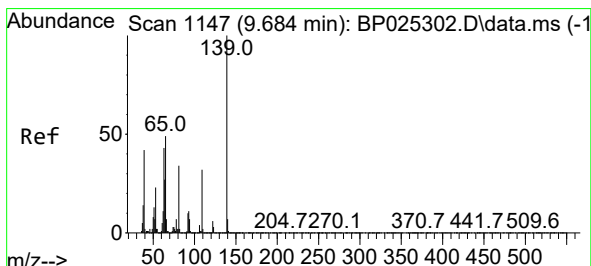
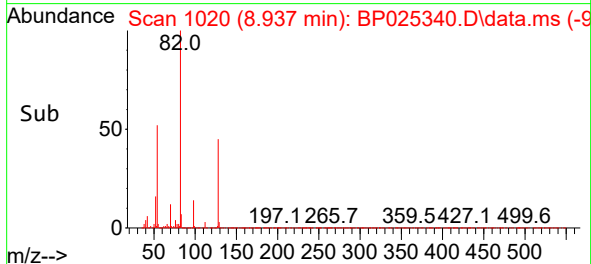
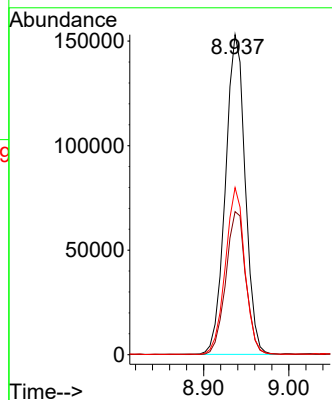
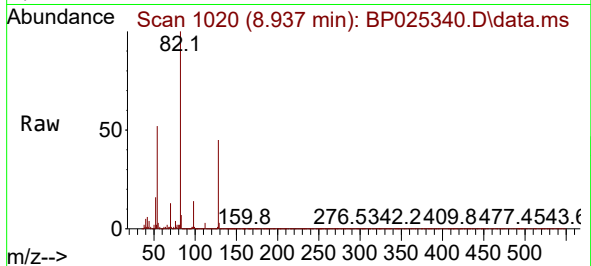




#23
Nitrobenzene-d5
Concen: 11.203 ng
RT: 8.937 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BP025340.D
Acq: 08 Aug 2025 20:06

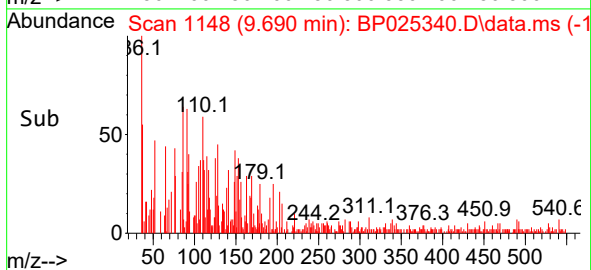
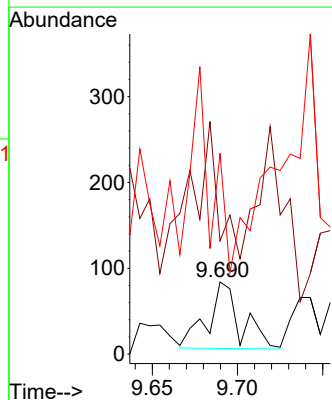
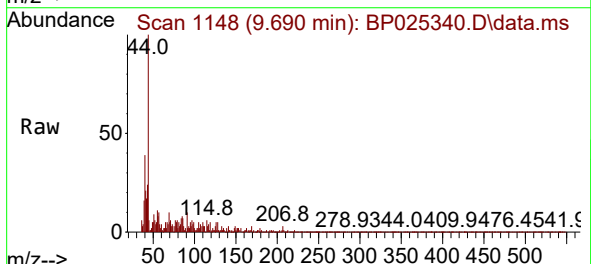
Instrument :
BNA_P
ClientSampleId :
TP-5

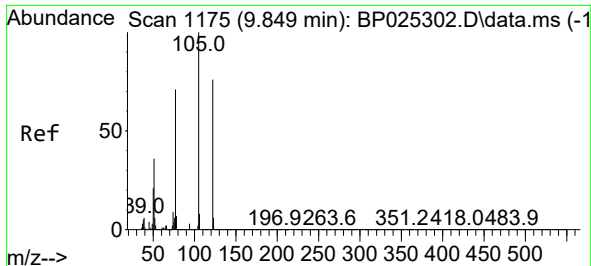
Tgt Ion: 82 Resp: 246733
Ion Ratio Lower Upper
82 100
128 44.7 35.4 53.2
54 52.2 42.9 64.3



#26
2-Nitrophenol
Concen: 3.649 ng
RT: 9.690 min Scan# 1148
Delta R.T. 0.006 min
Lab File: BP025340.D
Acq: 08 Aug 2025 20:06

Tgt Ion:139 Resp: 104
Ion Ratio Lower Upper
139 100
109 157.1 25.2 37.8#
65 278.6 39.6 59.4#

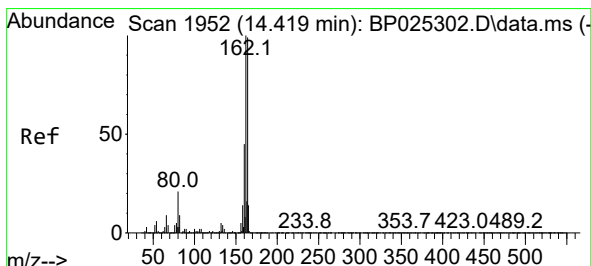
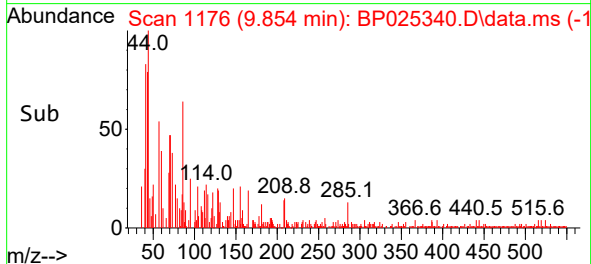
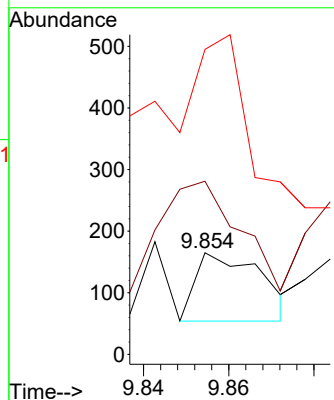
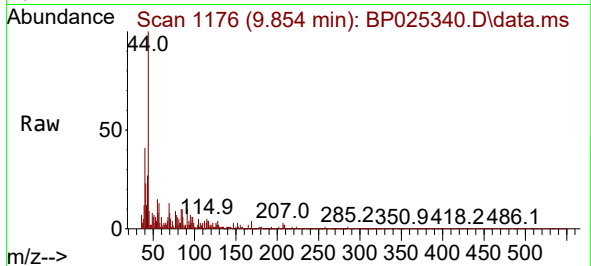




#32
Benzoic acid
Concen: 5.964 ng
RT: 9.854 min Scan# 1175
Delta R.T. 0.005 min
Lab File: BP025340.D
Acq: 08 Aug 2025 20:06

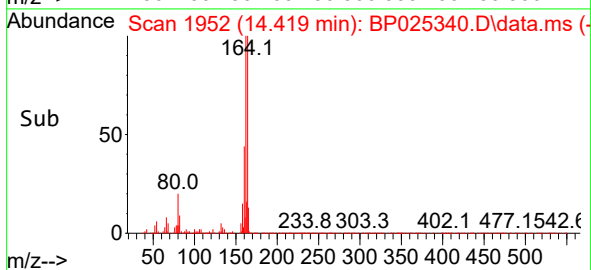
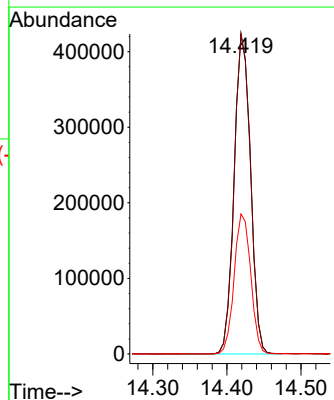
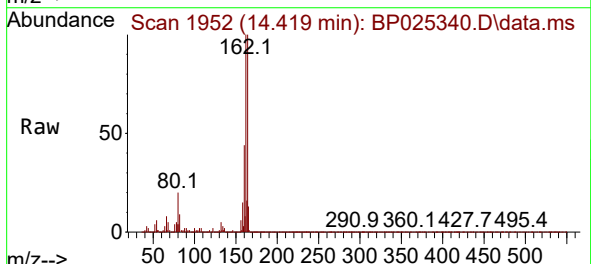
Instrument :
BNA_P
ClientSampleId :
TP-5

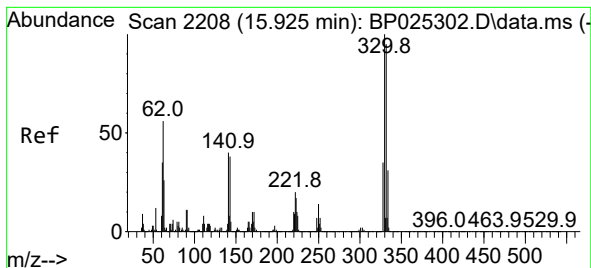
Tgt Ion:122 Resp: 119
Ion Ratio Lower Upper
122 100
105 170.3 104.0 144.0#
77 300.0 71.8 111.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.419 min Scan# 1952
Delta R.T. -0.000 min
Lab File: BP025340.D
Acq: 08 Aug 2025 20:06

Tgt Ion:164 Resp: 650571
Ion Ratio Lower Upper
164 100
162 100.0 80.6 120.8
160 43.8 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 16.296 ng

RT: 15.931 min Scan# 2209

Delta R.T. 0.006 min

Lab File: BP025340.D

Acq: 08 Aug 2025 20:06

Instrument :

BNA_P

ClientSampleId :

TP-5

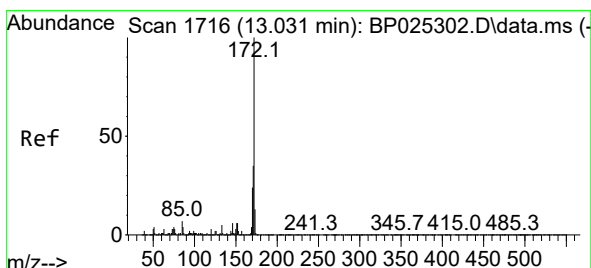
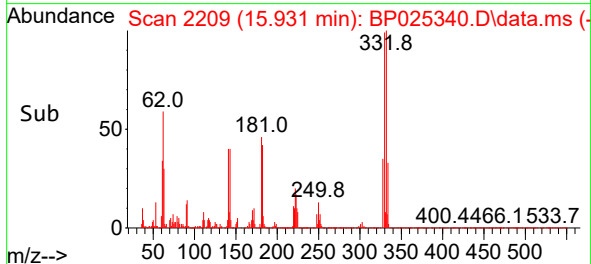
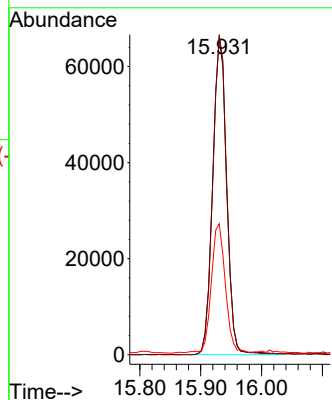
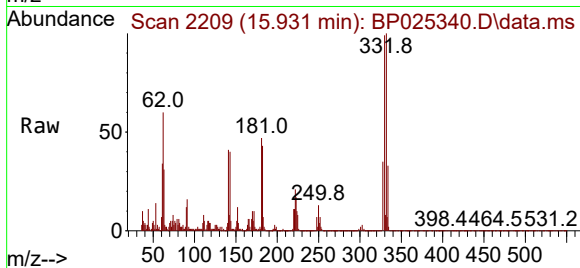
Tgt Ion:330 Resp: 105766

Ion Ratio Lower Upper

330 100

332 98.9 77.4 116.0

141 41.0 31.7 47.5



#45

2-Fluorobiphenyl

Concen: 11.045 ng

RT: 13.031 min Scan# 1716

Delta R.T. -0.000 min

Lab File: BP025340.D

Acq: 08 Aug 2025 20:06

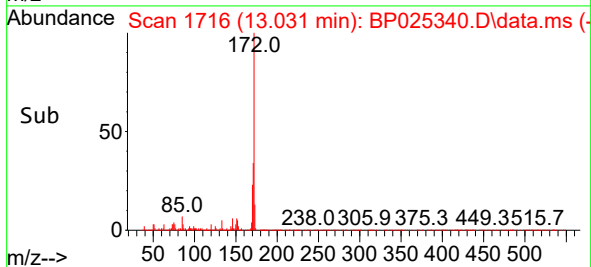
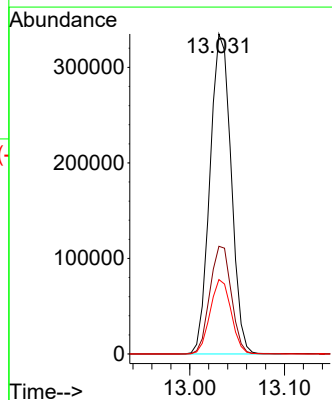
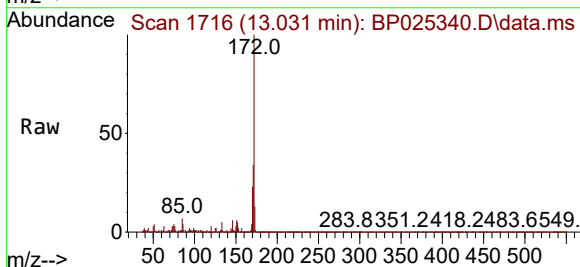
Tgt Ion:172 Resp: 520222

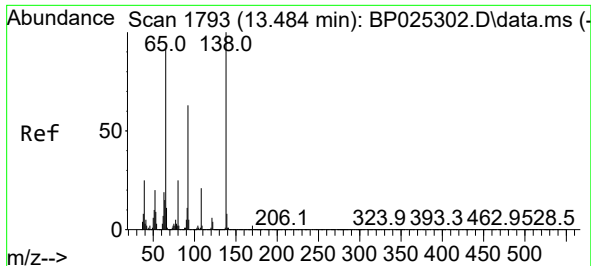
Ion Ratio Lower Upper

172 100

171 33.7 27.9 41.9

170 23.2 18.9 28.3

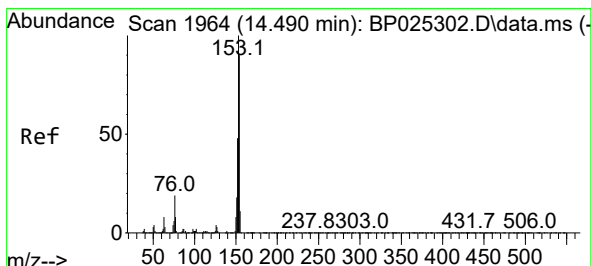
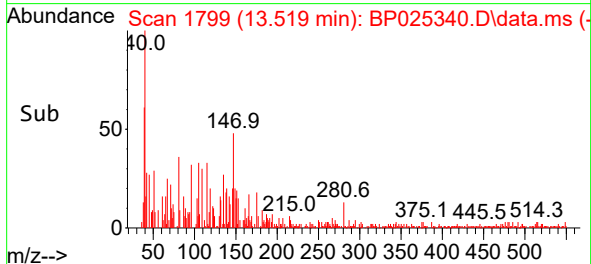
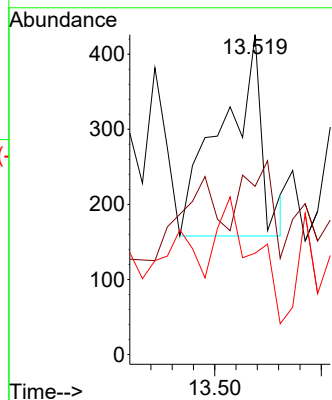
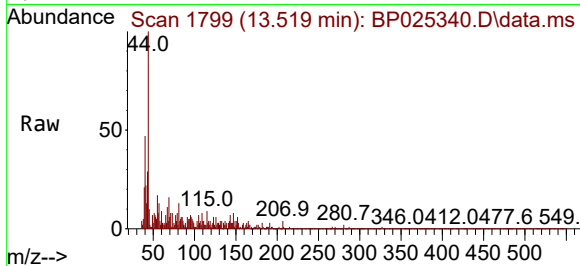




#48
2-Nitroaniline
Concen: 2.995 ng
RT: 13.519 min Scan# 1799
Delta R.T. 0.035 min
Lab File: BP025340.D
Acq: 08 Aug 2025 20:06

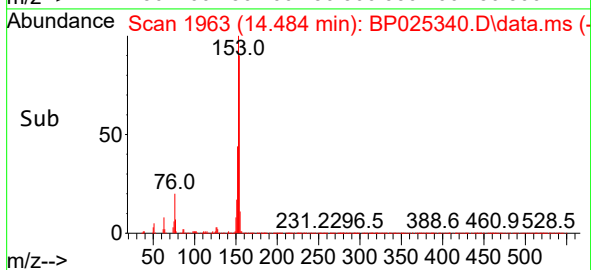
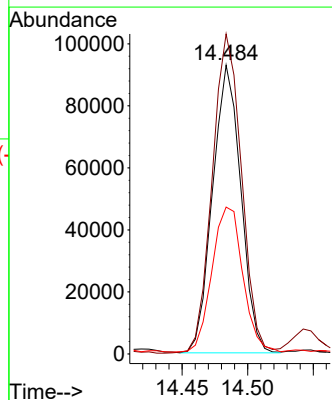
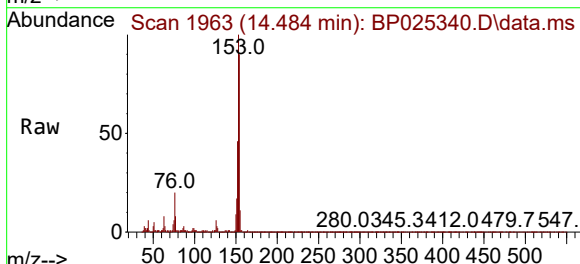
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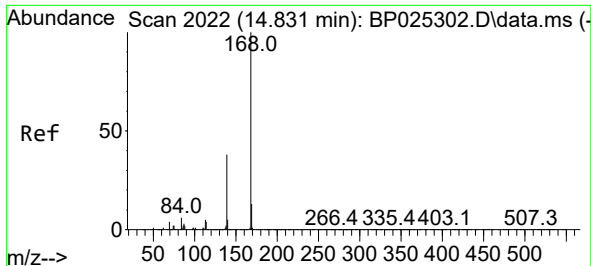
Tgt Ion: 65 Resp: 350
Ion Ratio Lower Upper
65 100
92 52.6 54.4 81.6#
138 31.7 87.0 130.4#



#52
Acenaphthene
Concen: 3.734 ng
RT: 14.484 min Scan# 1963
Delta R.T. -0.006 min
Lab File: BP025340.D
Acq: 08 Aug 2025 20:06

Tgt Ion: 154 Resp: 138966
Ion Ratio Lower Upper
154 100
153 110.8 89.4 134.0
152 50.9 43.0 64.6

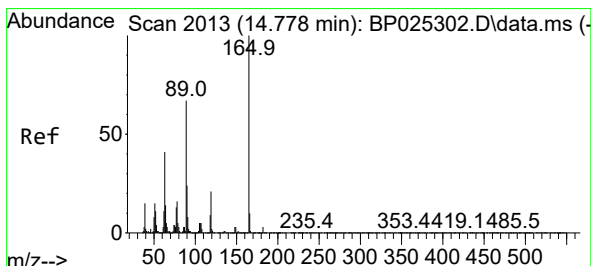
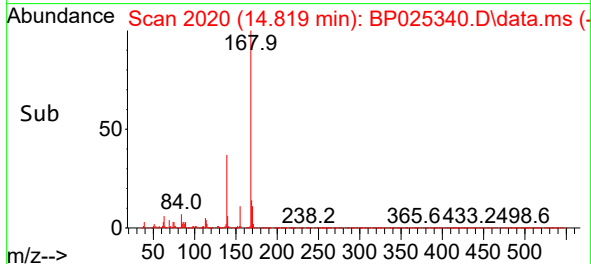
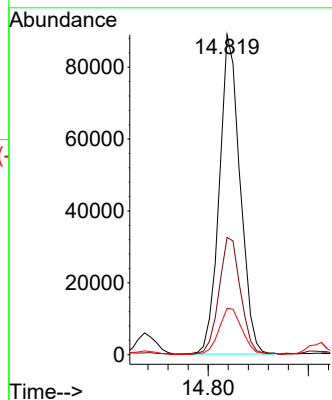
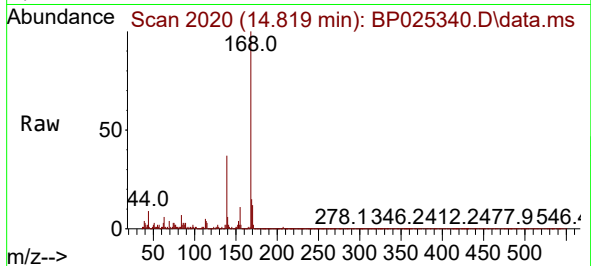




#55
Dibenzofuran
Concen: 2.295 ng
RT: 14.819 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BP025340.D
Acq: 08 Aug 2025 20:06

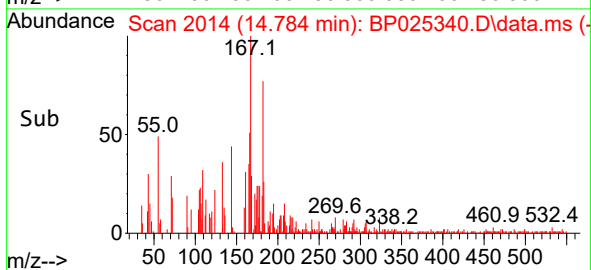
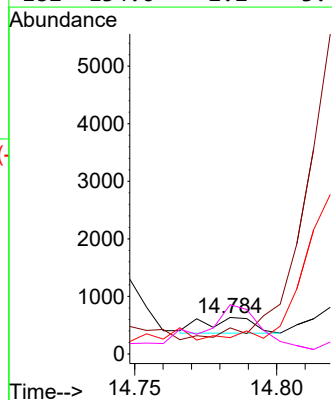
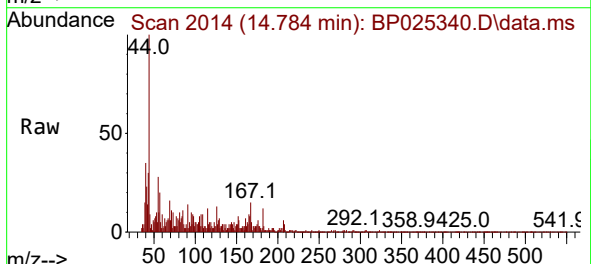
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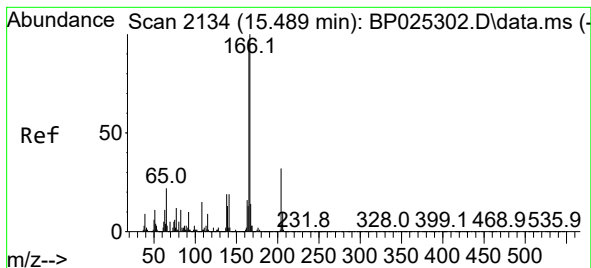
Tgt Ion:168 Resp: 127650
Ion Ratio Lower Upper
168 100
139 36.7 30.5 45.7
169 14.5 10.6 15.8



#57
2,4-Dinitrotoluene
Concen: 3.277 ng
RT: 14.784 min Scan# 2014
Delta R.T. 0.006 min
Lab File: BP025340.D
Acq: 08 Aug 2025 20:06

Tgt Ion:165 Resp: 325
Ion Ratio Lower Upper
165 100
63 71.5 33.2 49.8#
89 44.6 53.5 80.3#
182 134.6 2.2 3.4#





#58

Fluorene

Concen: 4.777 ng

RT: 15.484 min Scan# 2134

Delta R.T. -0.005 min

Lab File: BP025340.D

Acq: 08 Aug 2025 20:06

Instrument :

BNA_P

ClientSampleId :

TP-5

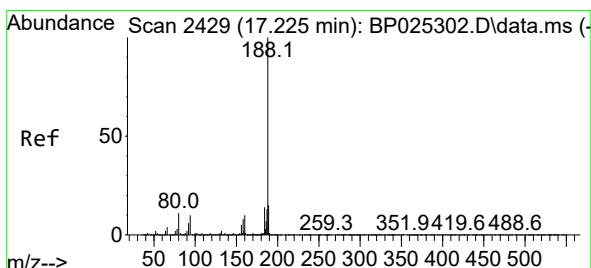
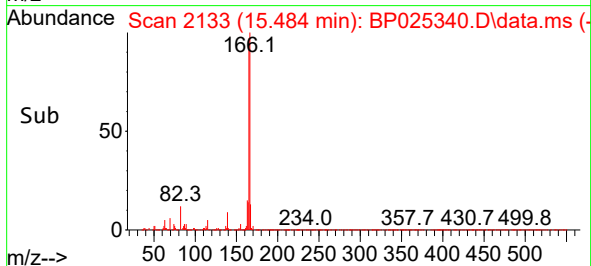
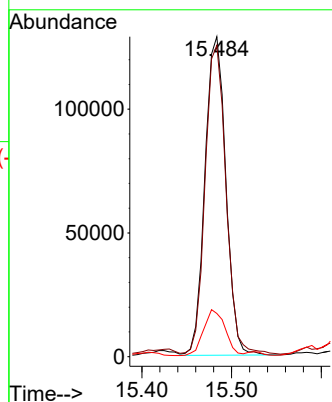
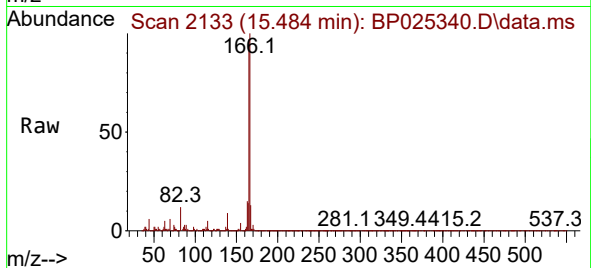
Tgt Ion:166 Resp: 208665

Ion Ratio Lower Upper

166 100

165 97.3 76.7 115.1

167 13.5 10.9 16.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.219 min Scan# 2428

Delta R.T. -0.006 min

Lab File: BP025340.D

Acq: 08 Aug 2025 20:06

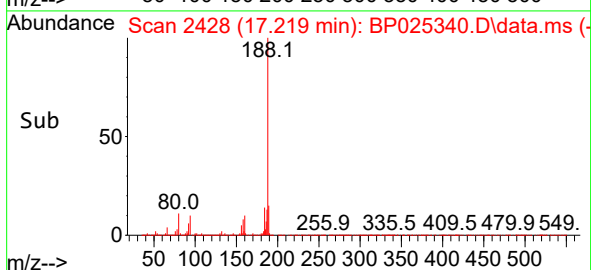
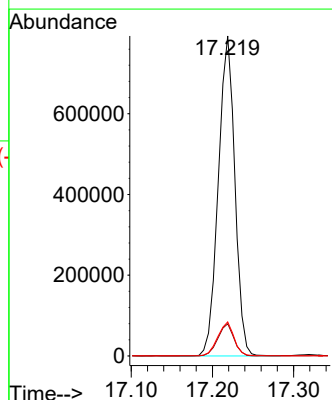
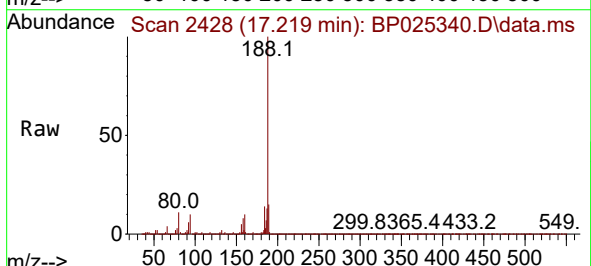
Tgt Ion:188 Resp: 1125106

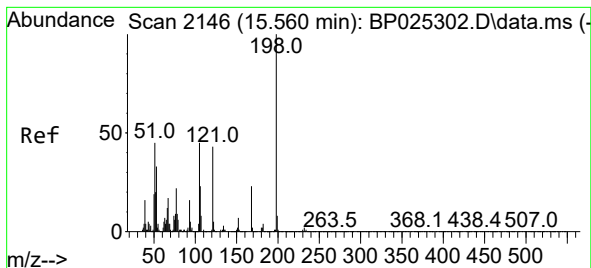
Ion Ratio Lower Upper

188 100

94 10.0 8.0 12.0

80 10.7 8.5 12.7

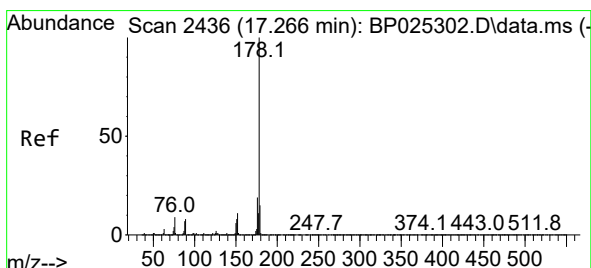
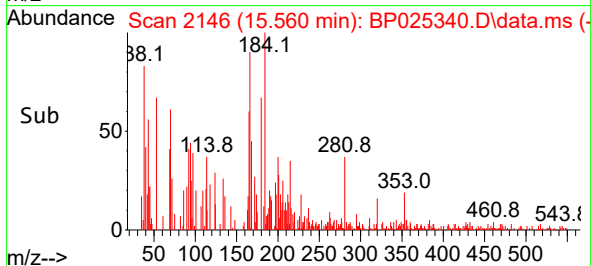
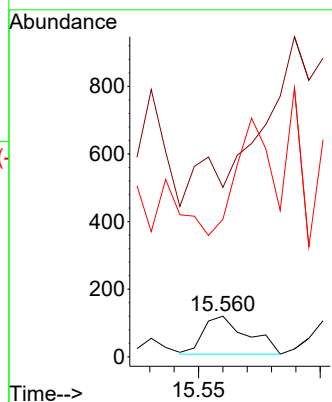
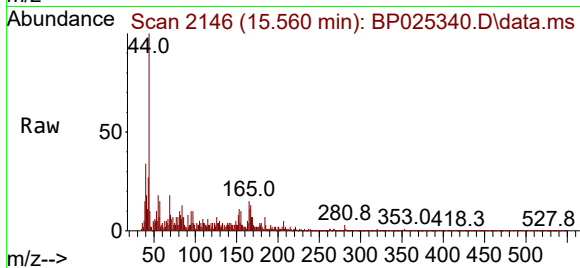




#65
4,6-Dinitro-2-methylphenol
Concen: 4.868 ng
RT: 15.560 min Scan# 2146
Delta R.T. 0.000 min
Lab File: BP025340.D
Acq: 08 Aug 2025 20:06

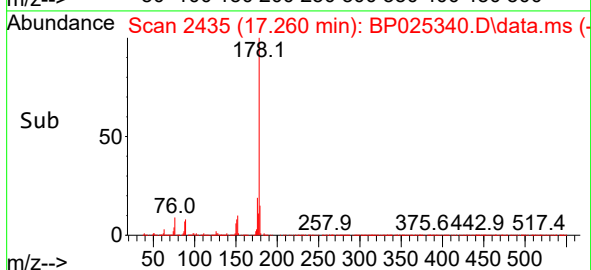
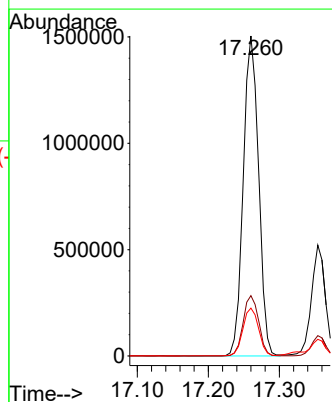
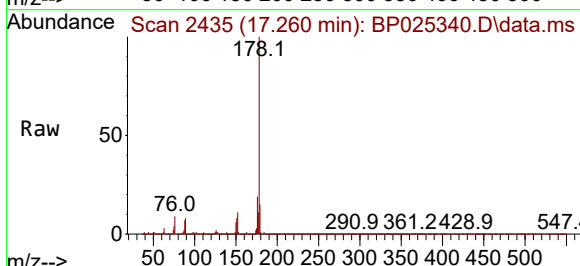
Instrument :
BNA_P
ClientSampleId :
TP-5

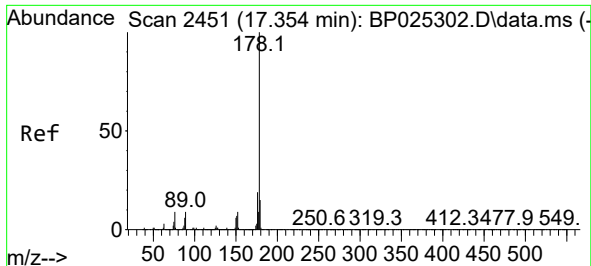
Tgt Ion:198 Resp: 141
Ion Ratio Lower Upper
198 100
51 417.5 26.7 66.7#
105 339.2 25.6 65.6#



#71
Phenanthrene
Concen: 36.695 ng
RT: 17.260 min Scan# 2435
Delta R.T. -0.006 min
Lab File: BP025340.D
Acq: 08 Aug 2025 20:06

Tgt Ion:178 Resp: 2261274
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 14.9 12.1 18.1

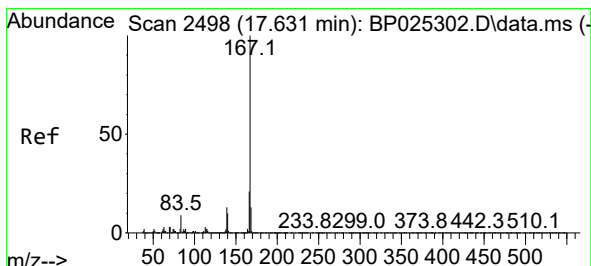
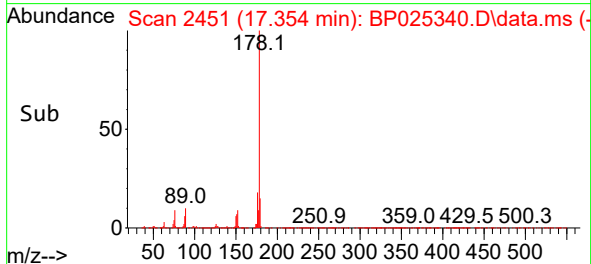
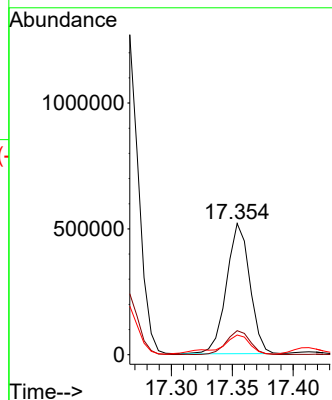
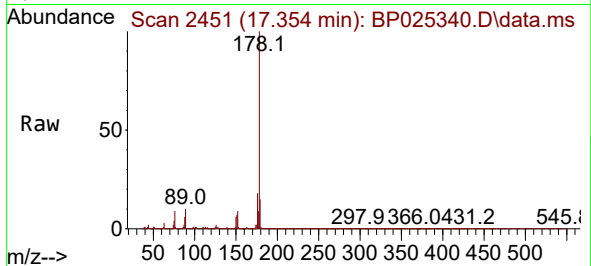




#72
 Anthracene
 Concen: 11.070 ng
 RT: 17.354 min Scan# 2451
 Delta R.T. 0.000 min
 Lab File: BP025340.D
 Acq: 08 Aug 2025 20:06

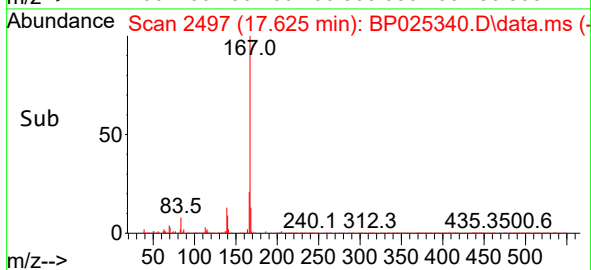
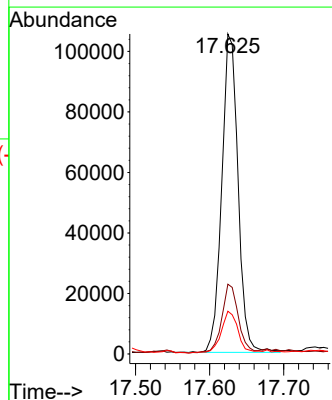
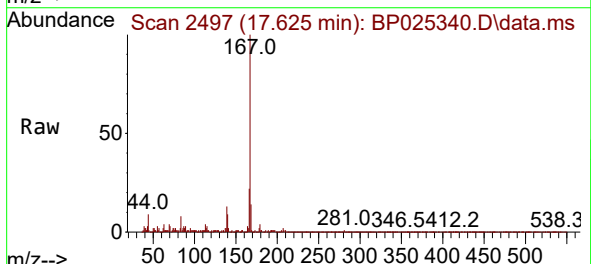
Instrument :
 BNA_P
 ClientSampleId :
 TP-5

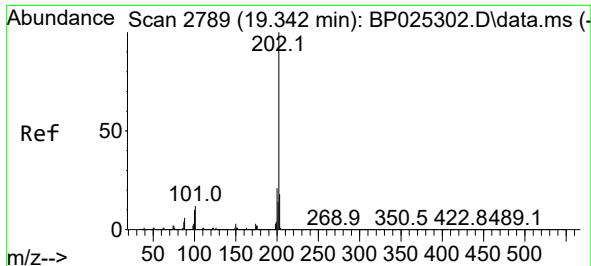
Tgt Ion:178 Resp: 687849
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.8 22.2
 179 15.1 12.3 18.5



#73
 Carbazole
 Concen: 2.691 ng
 RT: 17.625 min Scan# 2497
 Delta R.T. -0.006 min
 Lab File: BP025340.D
 Acq: 08 Aug 2025 20:06

Tgt Ion:167 Resp: 160481
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.0 25.6
 139 13.4 10.6 16.0

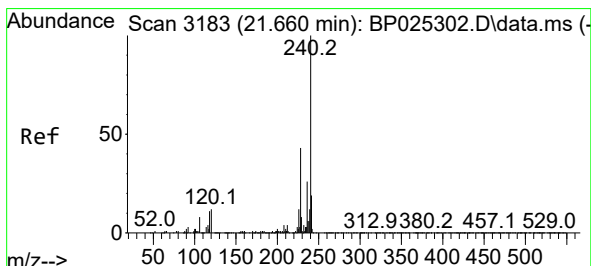
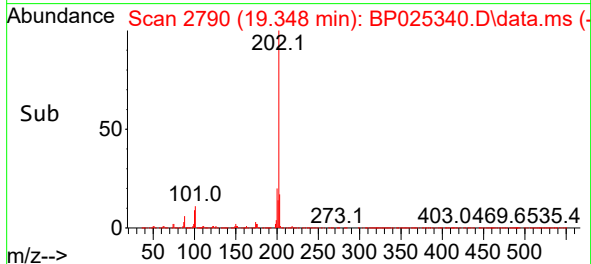
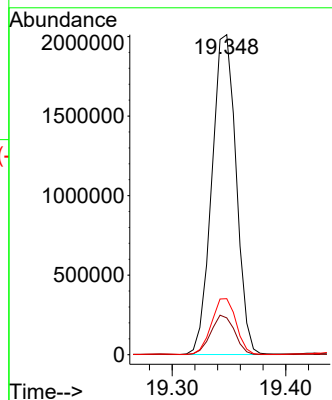
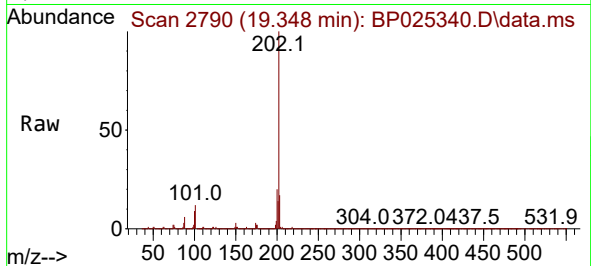




#75
Fluoranthene
Concen: 41.901 ng
RT: 19.348 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025340.D
Acq: 08 Aug 2025 20:06

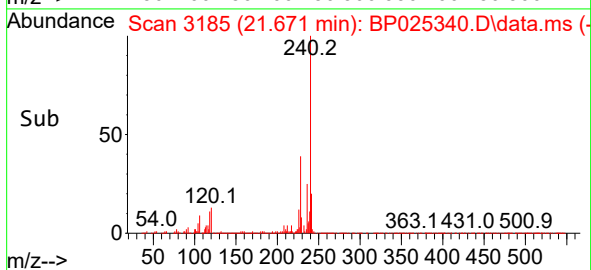
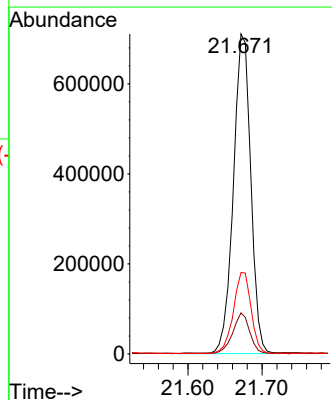
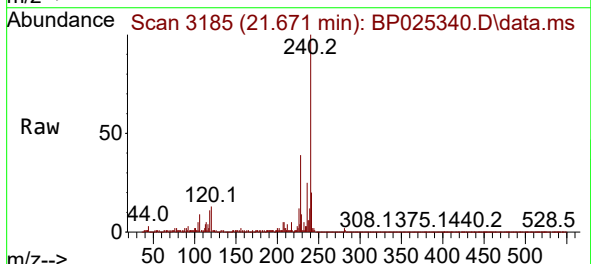
Instrument :
BNA_P
ClientSampleId :
TP-5

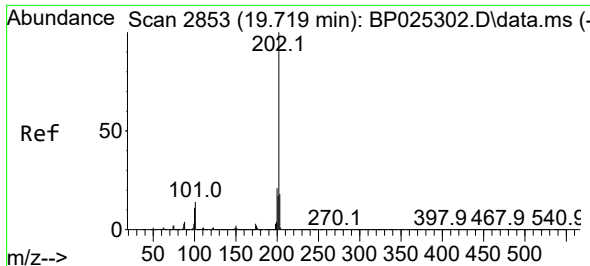
Tgt Ion:202 Resp: 2989103
Ion Ratio Lower Upper
202 100
101 11.5 0.0 32.5
203 17.5 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.671 min Scan# 3185
Delta R.T. 0.011 min
Lab File: BP025340.D
Acq: 08 Aug 2025 20:06

Tgt Ion:240 Resp: 1158785
Ion Ratio Lower Upper
240 100
120 12.9 9.6 14.4
236 25.5 20.4 30.6

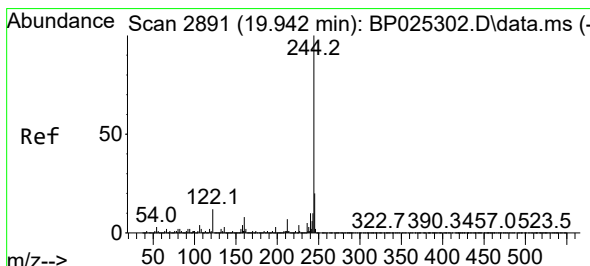
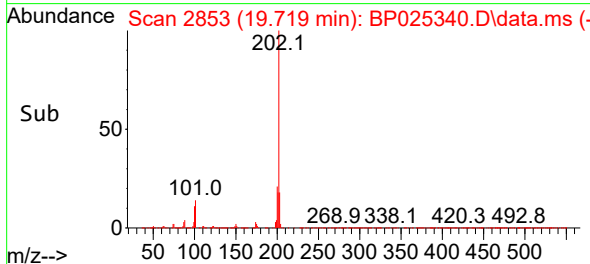
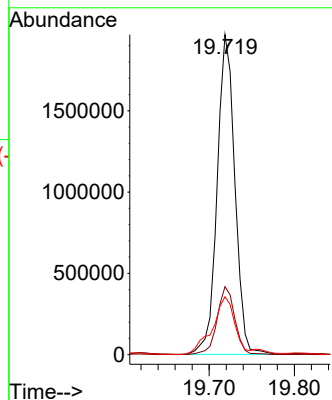
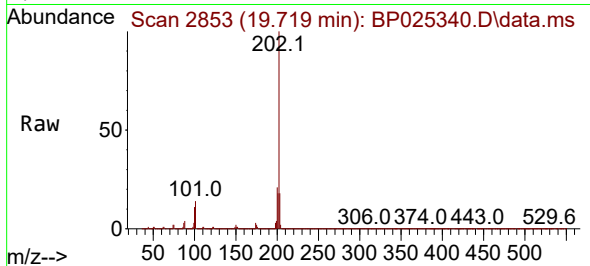




#78
Pyrene
Concen: 36.900 ng
RT: 19.719 min Scan# 2853
Delta R.T. -0.000 min
Lab File: BP025340.D
Acq: 08 Aug 2025 20:06

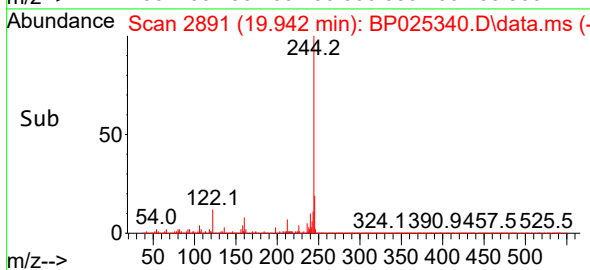
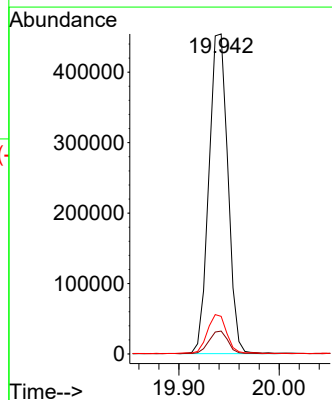
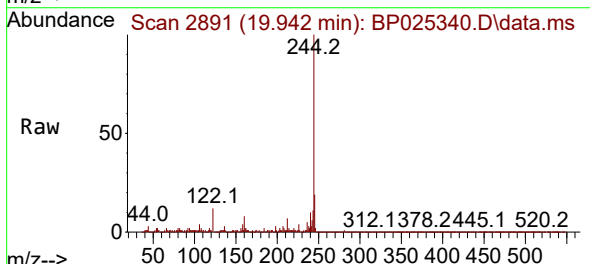
Instrument :
BNA_P
ClientSampleId :
TP-5

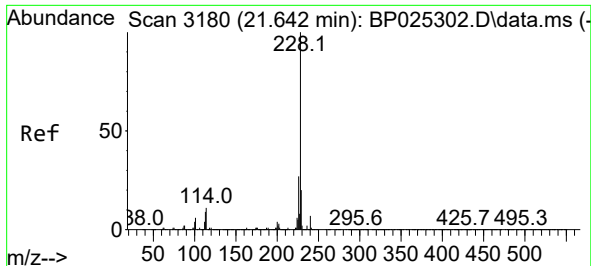
Tgt Ion:202 Resp: 2843404
Ion Ratio Lower Upper
202 100
200 21.3 16.7 25.1
203 18.1 14.1 21.1



#79
Terphenyl-d14
Concen: 9.699 ng
RT: 19.942 min Scan# 2891
Delta R.T. 0.000 min
Lab File: BP025340.D
Acq: 08 Aug 2025 20:06

Tgt Ion:244 Resp: 595060
Ion Ratio Lower Upper
244 100
212 7.2 5.9 8.9
122 11.7 9.5 14.3

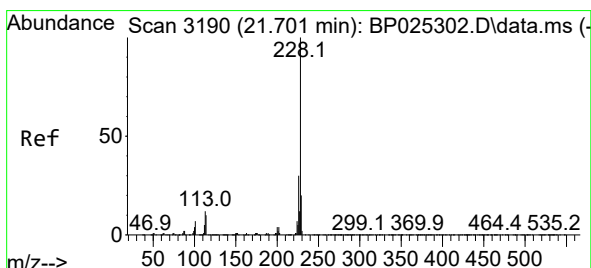
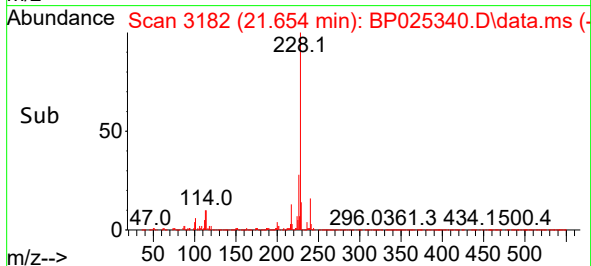
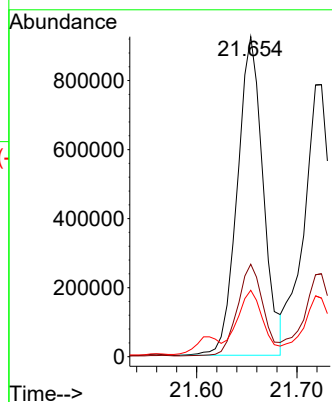
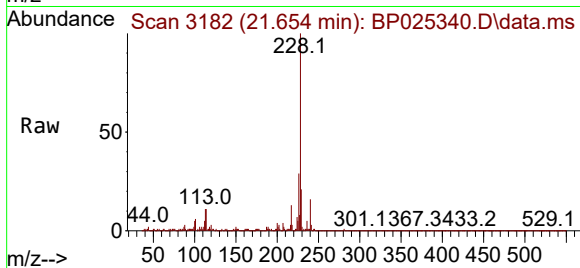




#81
Benzo(a)anthracene
Concen: 21.515 ng
RT: 21.654 min Scan# 3182
Delta R.T. 0.012 min
Lab File: BP025340.D
Acq: 08 Aug 2025 20:06

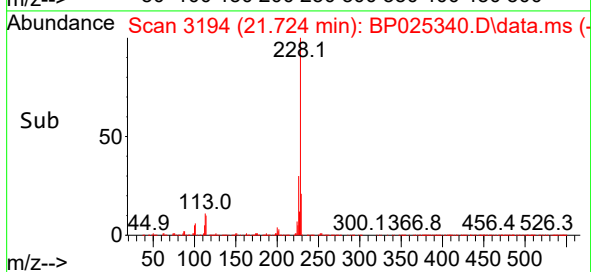
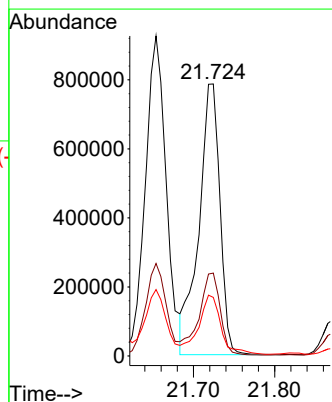
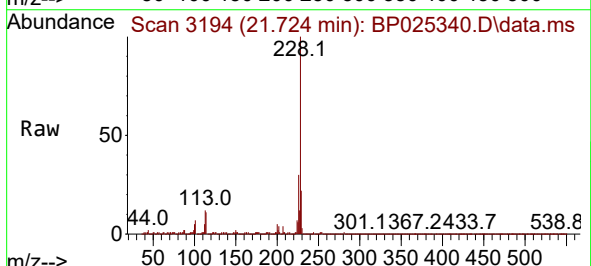
Instrument :
BNA_P
ClientSampleId :
TP-5

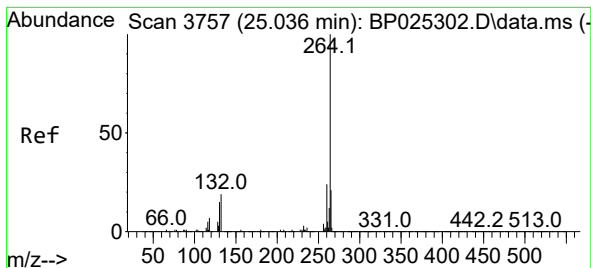
Tgt Ion:228 Resp: 1656744
Ion Ratio Lower Upper
228 100
226 28.9 21.8 32.8
229 20.8 16.0 24.0



#83
Chrysene
Concen: 19.826 ng
RT: 21.724 min Scan# 3194
Delta R.T. 0.023 min
Lab File: BP025340.D
Acq: 08 Aug 2025 20:06

Tgt Ion:228 Resp: 1415983
Ion Ratio Lower Upper
228 100
226 30.4 24.3 36.5
229 21.6 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.071 min Scan# 31

Delta R.T. 0.035 min

Lab File: BP025340.D

Acq: 08 Aug 2025 20:06

Instrument :

BNA_P

ClientSampleId :

TP-5

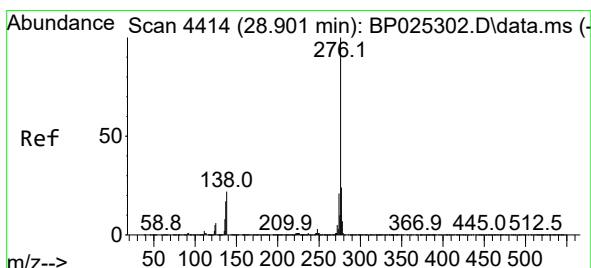
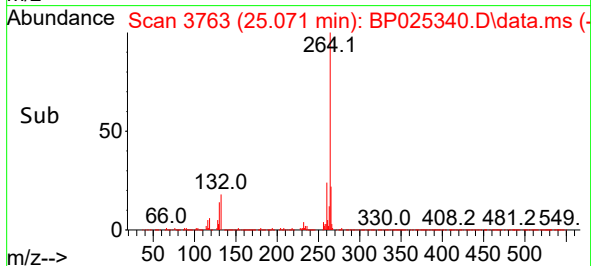
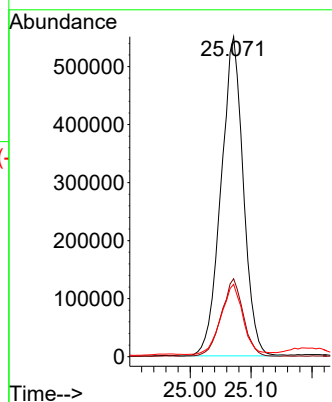
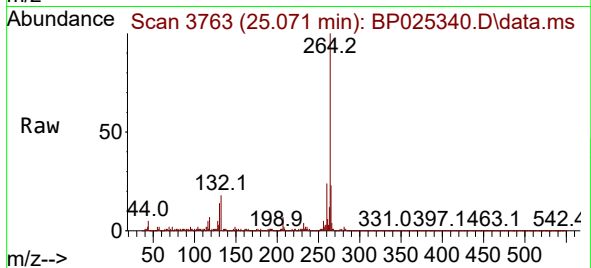
Tgt Ion:264 Resp: 1399059

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

265 22.6 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.583 ng

RT: 28.918 min Scan# 4417

Delta R.T. 0.017 min

Lab File: BP025340.D

Acq: 08 Aug 2025 20:06

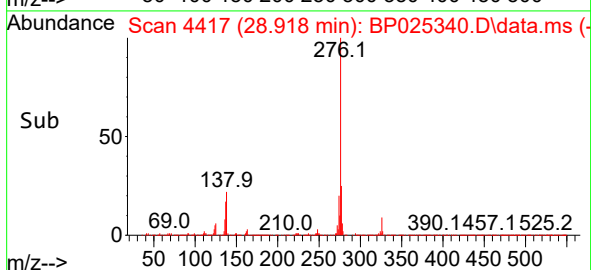
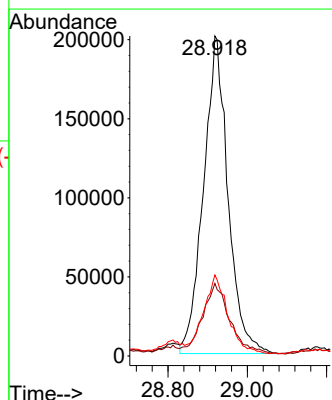
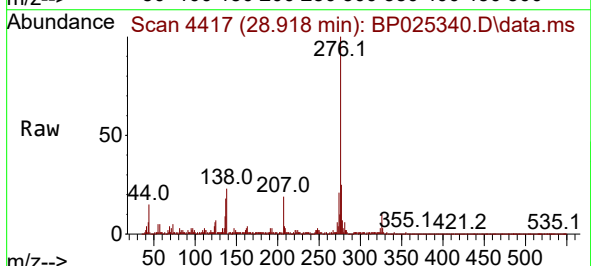
Tgt Ion:276 Resp: 860711

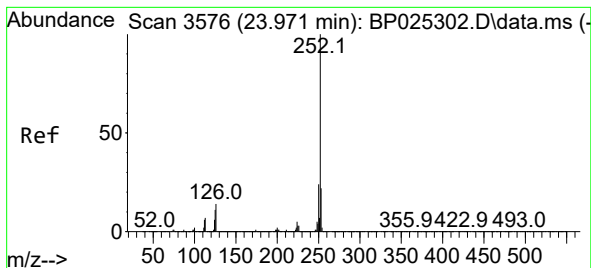
Ion Ratio Lower Upper

276 100

138 24.4 14.6 22.0#

277 24.6 16.8 25.2





#88

Benzo(b)fluoranthene

Concen: 21.014 ng

RT: 23.977 min Scan# 3577

Delta R.T. 0.006 min

Lab File: BP025340.D

Acq: 08 Aug 2025 20:06

Instrument :

BNA_P

ClientSampleId :

TP-5

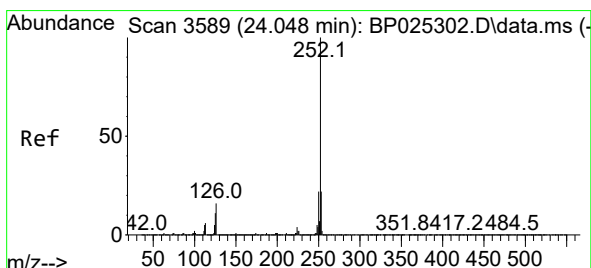
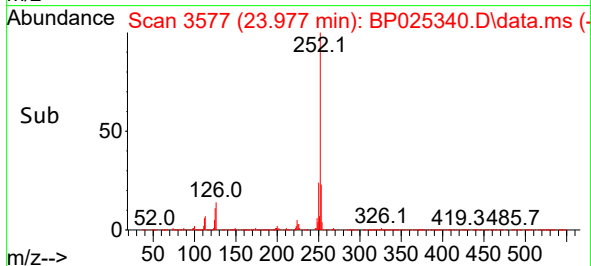
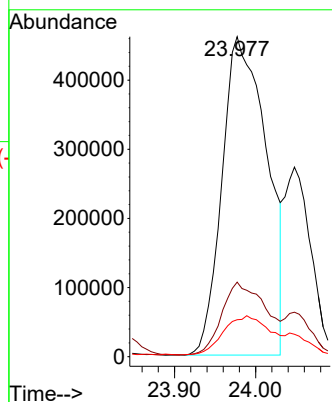
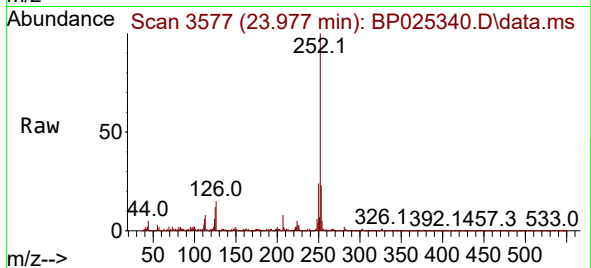
Tgt Ion:252 Resp: 1759903

Ion Ratio Lower Upper

252 100

253 23.3 17.5 26.3

125 11.6 8.5 12.7



#89

Benzo(k)fluoranthene

Concen: 21.198 ng

RT: 23.977 min Scan# 3577

Delta R.T. -0.071 min

Lab File: BP025340.D

Acq: 08 Aug 2025 20:06

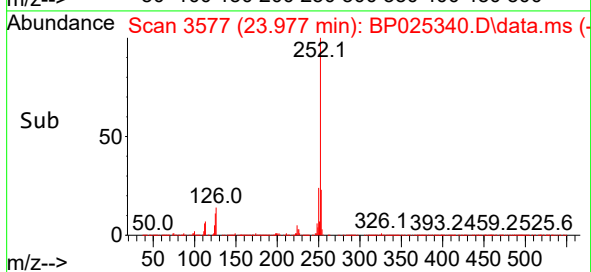
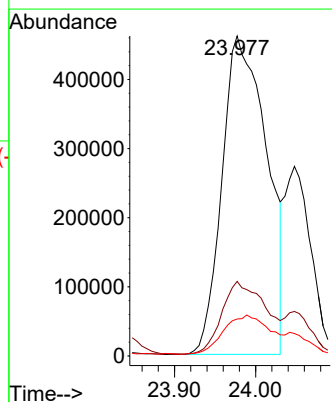
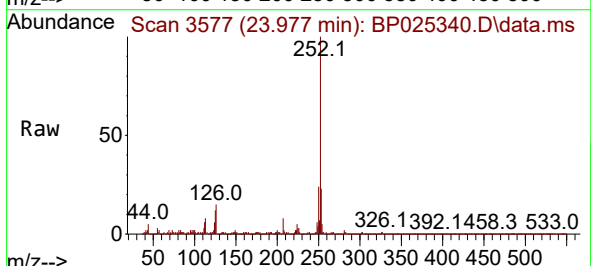
Tgt Ion:252 Resp: 1759903

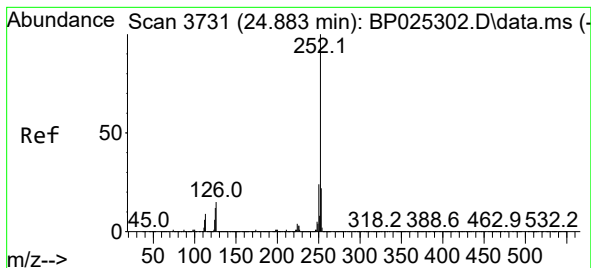
Ion Ratio Lower Upper

252 100

253 23.3 17.6 26.4

125 11.6 8.5 12.7





#90

Benzo(a)pyrene

Concen: 17.776 ng

RT: 24.901 min Scan# 31

Delta R.T. 0.018 min

Lab File: BP025340.D

Acq: 08 Aug 2025 20:06

Instrument :

BNA_P

ClientSampleId :

TP-5

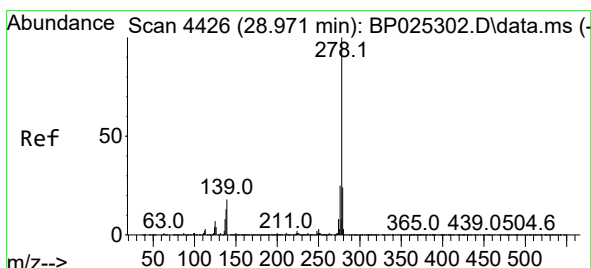
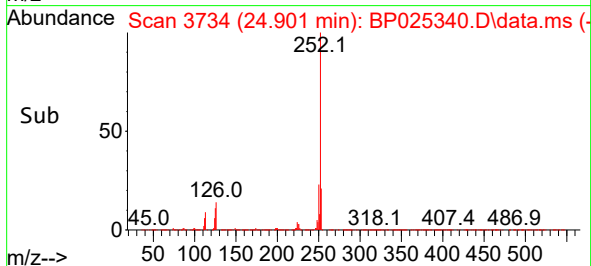
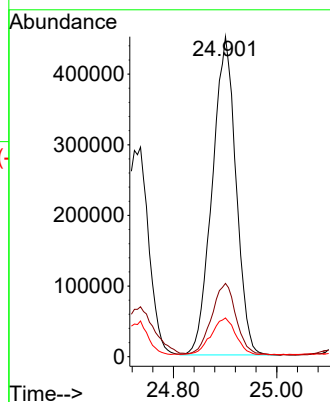
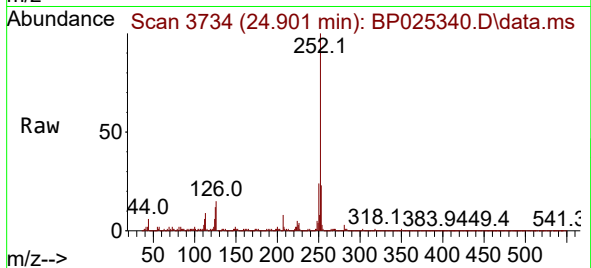
Tgt Ion:252 Resp: 1433699

Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

125 12.1 9.4 14.0



#91

Dibenzo(a,h)anthracene

Concen: 2.895 ng

RT: 28.977 min Scan# 4427

Delta R.T. 0.006 min

Lab File: BP025340.D

Acq: 08 Aug 2025 20:06

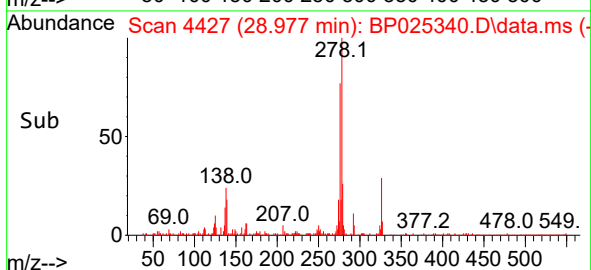
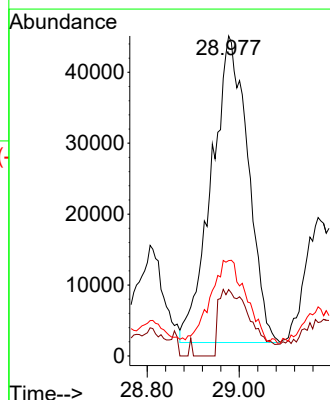
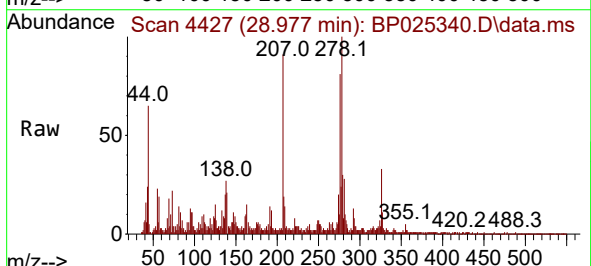
Tgt Ion:278 Resp: 237789

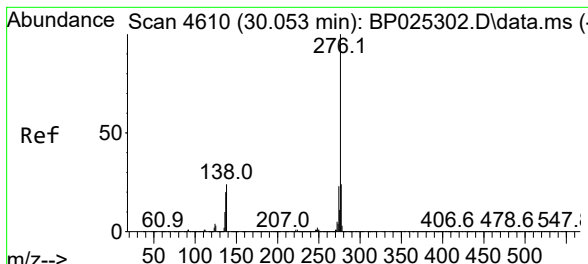
Ion Ratio Lower Upper

278 100

139 20.8 14.6 22.0

279 29.8 19.0 28.4#





#92
 Benzo(g,h,i)perylene
 Concen: 9.937 ng
 RT: 30.112 min Scan# 4
 Delta R.T. 0.059 min
 Lab File: BP025340.D
 Acq: 08 Aug 2025 20:06

Instrument :
 BNA_P
 ClientSampleId :
 TP-5

Tgt Ion: 276 Resp: 800929

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.3	28.9
138	24.7	19.1	28.7

