

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071425\
 Data File : BP025133.D
 Acq On : 14 Jul 2025 23:59
 Operator : CG/JU
 Sample : Q2560-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LP-7102025

Quant Time: Jul 15 01:18:43 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 03 16:05:44 2025
 Response via : Initial Calibration

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

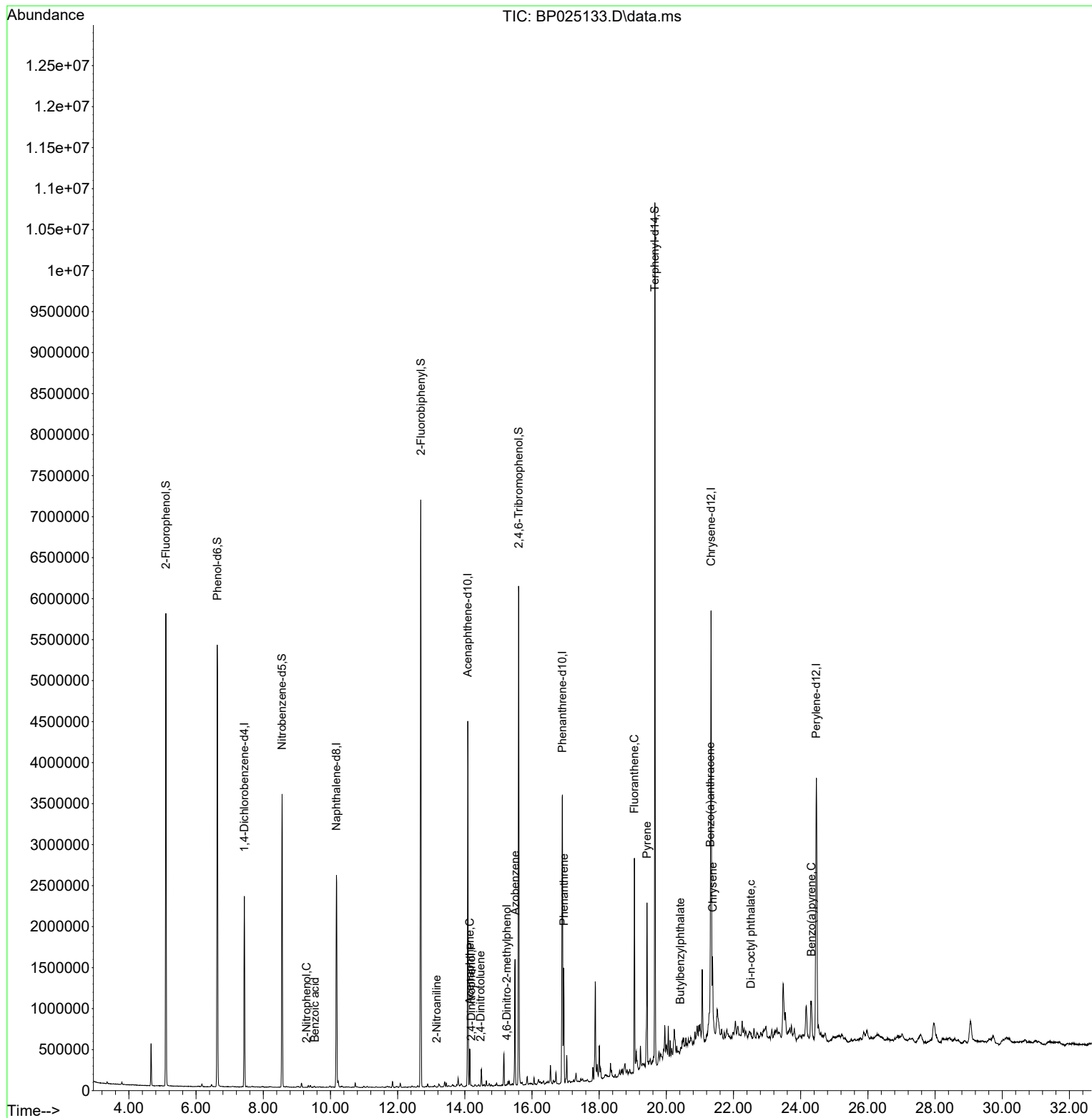
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.437	152	610908	20.000	ng	0.00
21) Naphthalene-d8	10.178	136	2367920	20.000	ng	0.00
39) Acenaphthene-d10	14.089	164	1381962	20.000	ng	0.00
64) Phenanthrene-d10	16.901	188	2469760	20.000	ng	0.00
76) Chrysene-d12	21.330	240	2608279	20.000	ng	-0.01
86) Perylene-d12	24.465	264	3270541	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.101	112	2496660	72.412	ng	0.00
7) Phenol-d6	6.631	99	3123344	69.417	ng	0.00
23) Nitrobenzene-d5	8.560	82	1847222	51.881	ng	0.00
42) 2,4,6-Tribromophenol	15.607	330	1222967	74.911	ng	-0.01
45) 2-Fluorobiphenyl	12.689	172	3961058	44.403	ng	0.00
79) Terphenyl-d14	19.660	244	4883589	41.150	ng	-0.01
Target Compounds						
						Qvalue
26) 2-Nitrophenol	9.289	139	60	3.305	ng	# 1
32) Benzoic acid	9.537	122	180	6.210	ng	# 38
48) 2-Nitroaniline	13.160	65	105	2.770	ng	# 34
52) Acenaphthene	14.148	154	155060	2.080	ng	98
54) 2,4-Dinitrophenol	14.189	184	39	5.389	ng	# 1
57) 2,4-Dinitrotoluene	14.466	165	281	2.647	ng	# 65
63) Azobenzene	15.495	77	370737	4.285	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.248	198	571	5.624	ng	# 1
71) Phenanthrene	16.948	178	908155	6.882	ng	99
75) Fluoranthene	19.048	202	1458737	9.456	ng	99
78) Pyrene	19.424	202	1156991	7.162	ng	99
80) Butylbenzylphthalate	20.418	149	2383	3.717	ng	# 56
81) Benzo(a)anthracene	21.312	228	578848	3.662	ng	97
83) Chrysene	21.377	228	561481	3.691	ng	97
85) Di-n-octyl phthalate	22.518	149	13942	6.177	ng	# 75
90) Benzo(a)pyrene	24.318	252	550499	3.398	ng	98

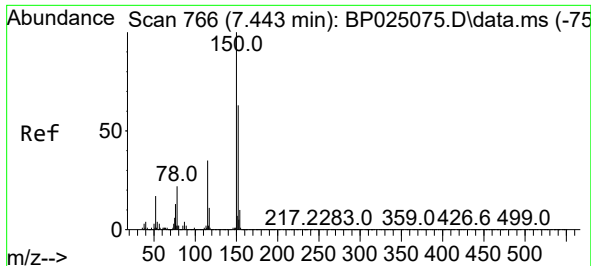
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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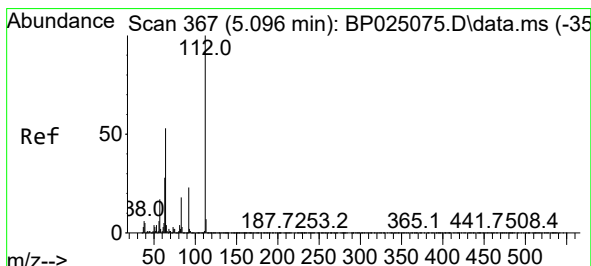
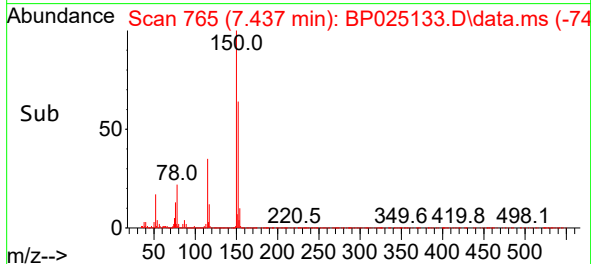
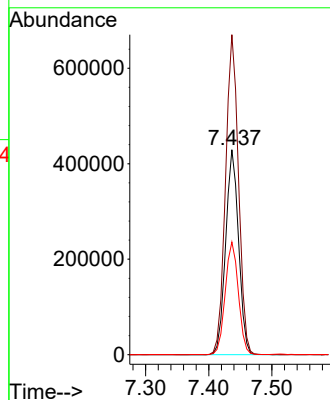
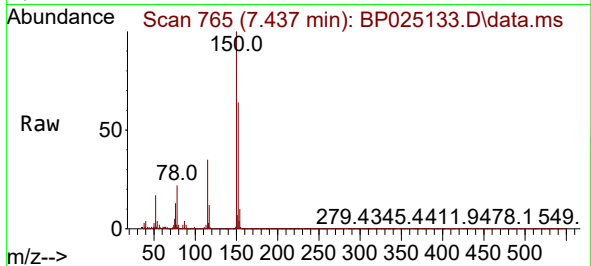




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.437 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP025133.D
Acq: 14 Jul 2025 23:59

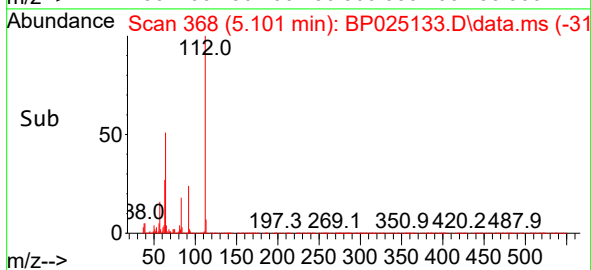
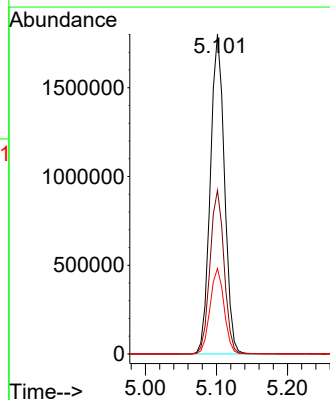
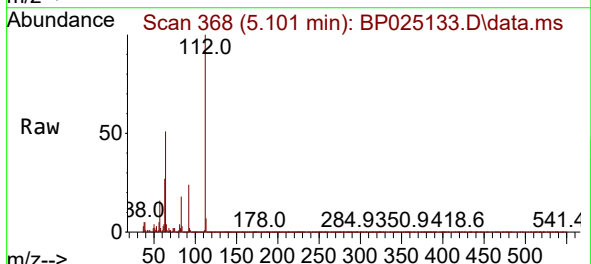
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BNA_P
ClientSampleId :
LP-7102025

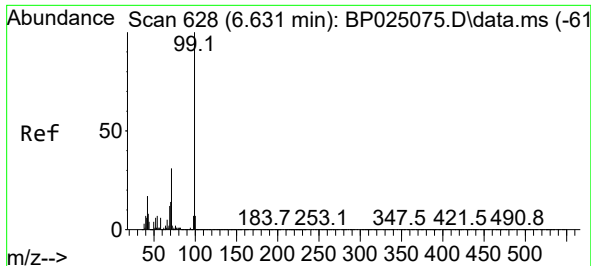
Tgt Ion:152 Resp: 610908
Ion Ratio Lower Upper
152 100
150 156.1 126.1 189.1
115 55.0 44.3 66.5



#5
2-Fluorophenol
Concen: 72.412 ng
RT: 5.101 min Scan# 368
Delta R.T. 0.006 min
Lab File: BP025133.D
Acq: 14 Jul 2025 23:59

Tgt Ion:112 Resp: 2496660
Ion Ratio Lower Upper
112 100
64 51.2 42.0 63.0
63 26.7 22.2 33.2

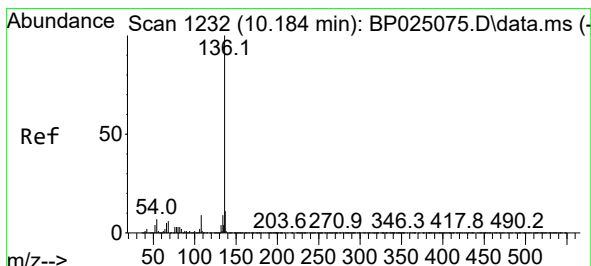
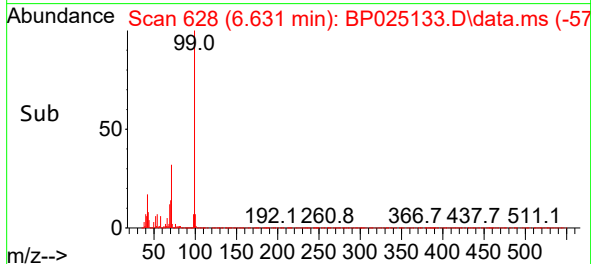
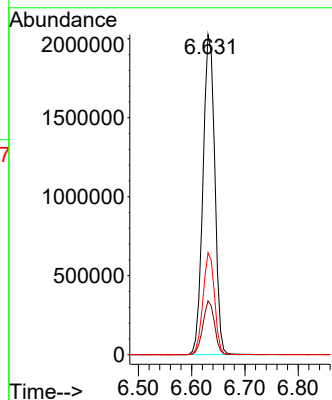
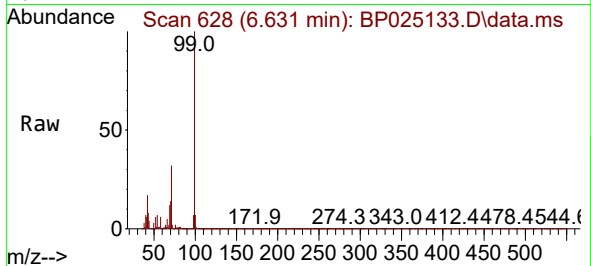




#7
Phenol-d6
Concen: 69.417 ng
RT: 6.631 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP025133.D
Acq: 14 Jul 2025 23:59

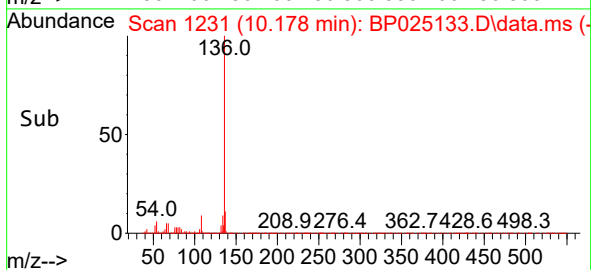
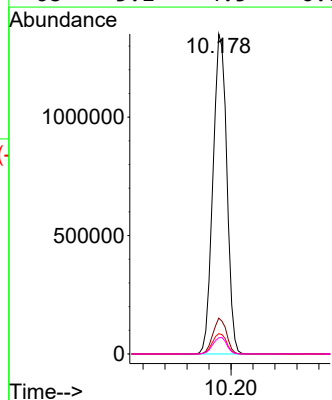
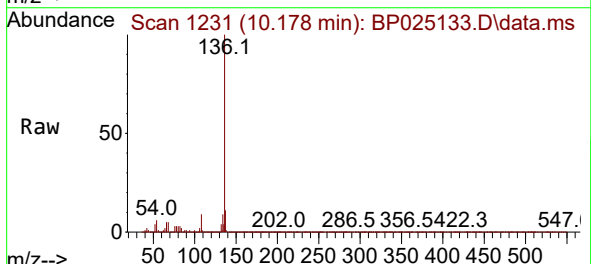
Instrument :
BNA_P
ClientSampleId :
LP-7102025

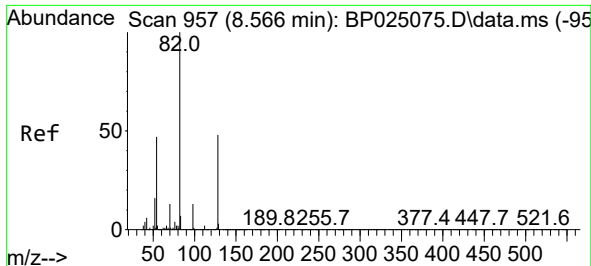
Tgt Ion: 99 Resp: 3123344
Ion Ratio Lower Upper
99 100
42 16.8 13.6 20.4
71 31.8 24.4 36.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.178 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BP025133.D
Acq: 14 Jul 2025 23:59

Tgt Ion: 136 Resp: 2367920
Ion Ratio Lower Upper
136 100
137 11.2 8.7 13.1
54 6.4 5.4 8.2
68 5.1 4.5 6.7

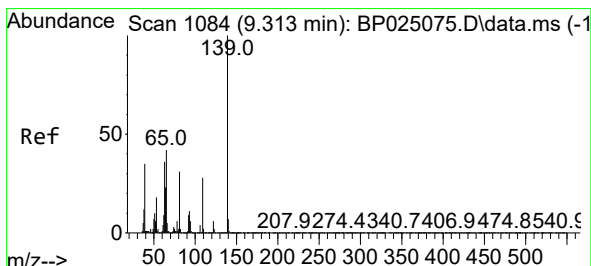
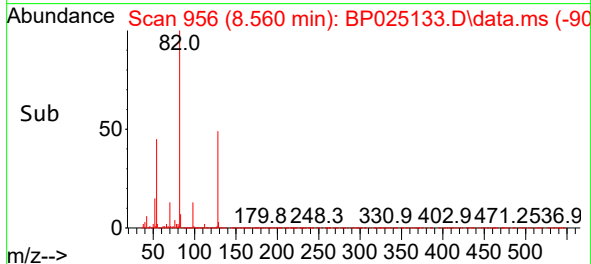
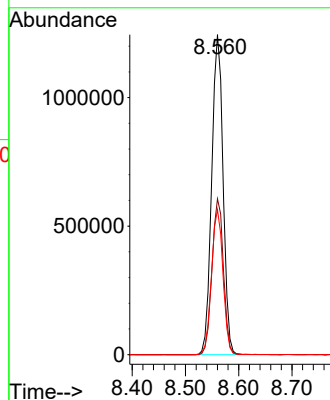
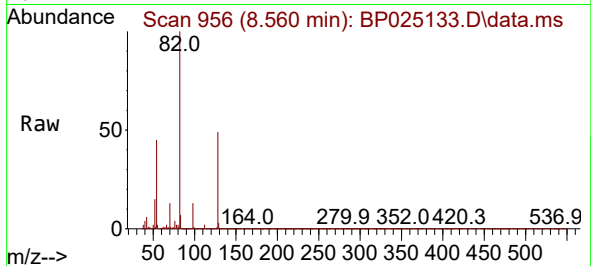




#23
Nitrobenzene-d5
Concen: 51.881 ng
RT: 8.560 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP025133.D
Acq: 14 Jul 2025 23:59

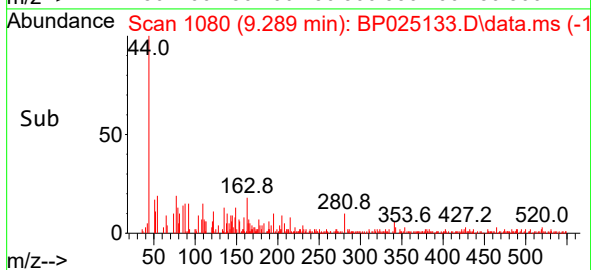
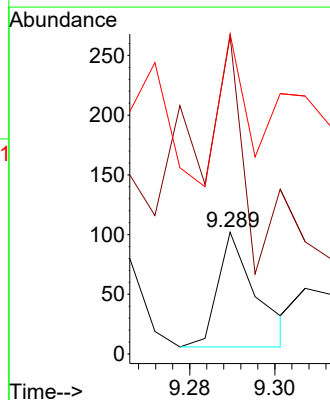
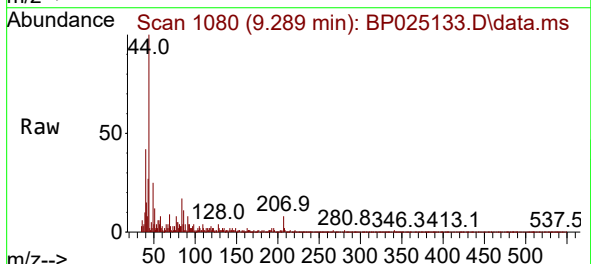
Instrument :
BNA_P
ClientSampleId :
LP-7102025

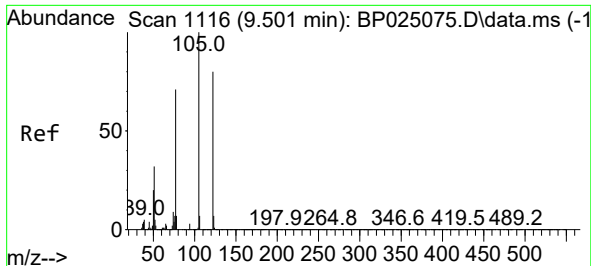
Tgt Ion: 82 Resp: 1847222
Ion Ratio Lower Upper
82 100
128 48.7 38.4 57.6
54 45.3 37.8 56.6



#26
2-Nitrophenol
Concen: 3.305 ng
RT: 9.289 min Scan# 1080
Delta R.T. -0.024 min
Lab File: BP025133.D
Acq: 14 Jul 2025 23:59

Tgt Ion:139 Resp: 60
Ion Ratio Lower Upper
139 100
109 260.8 22.3 33.5#
65 262.7 33.8 50.8#

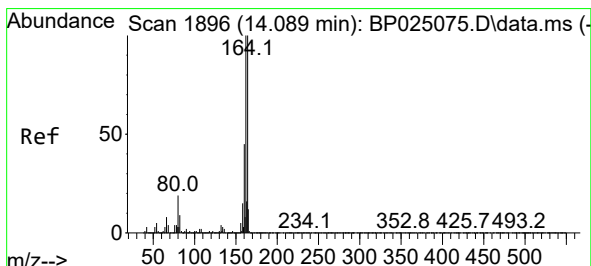
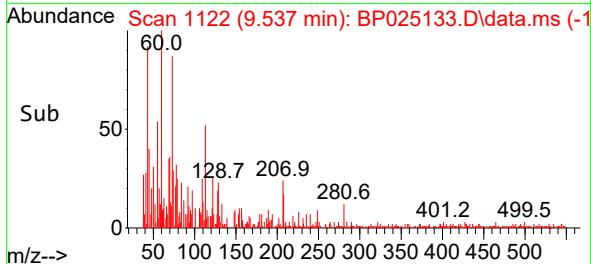
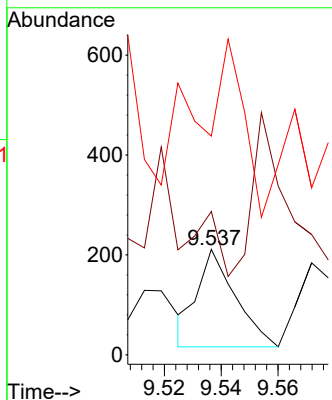
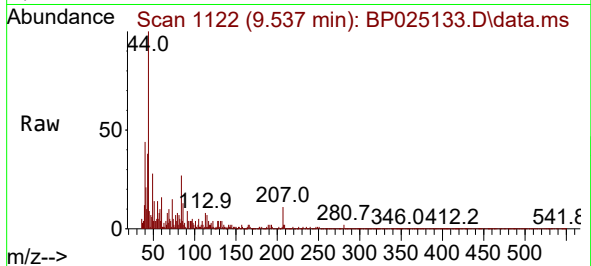




#32
Benzoic acid
Concen: 6.210 ng
RT: 9.537 min Scan# 1116
Delta R.T. 0.036 min
Lab File: BP025133.D
Acq: 14 Jul 2025 23:59

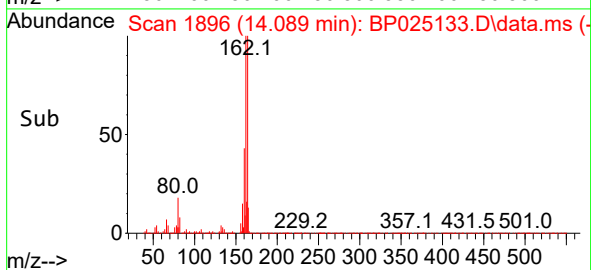
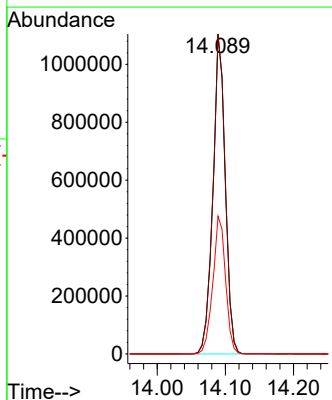
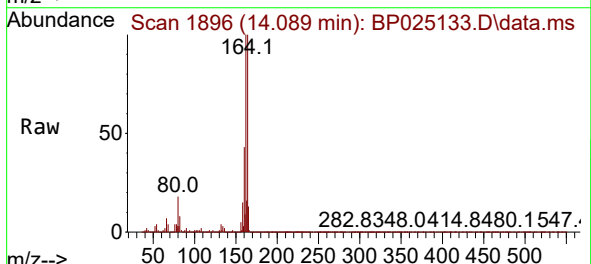
Instrument :
BNA_P
ClientSampleId :
LP-7102025

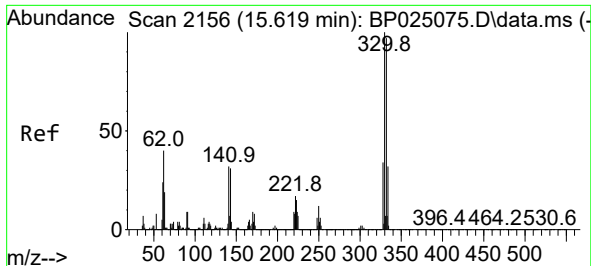
Tgt Ion:122 Resp: 180
Ion Ratio Lower Upper
122 100
105 136.0 101.0 141.0
77 207.6 67.6 107.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.089 min Scan# 1896
Delta R.T. 0.000 min
Lab File: BP025133.D
Acq: 14 Jul 2025 23:59

Tgt Ion:164 Resp: 1381962
Ion Ratio Lower Upper
164 100
162 100.5 80.3 120.5
160 43.3 35.9 53.9

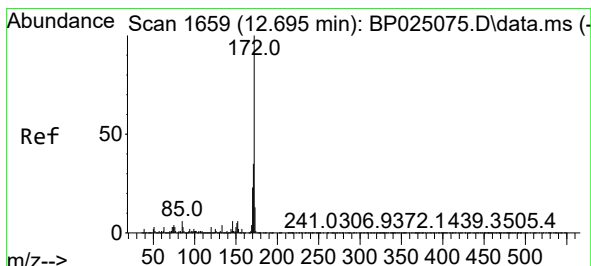
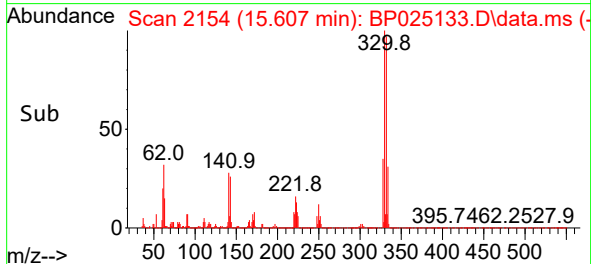
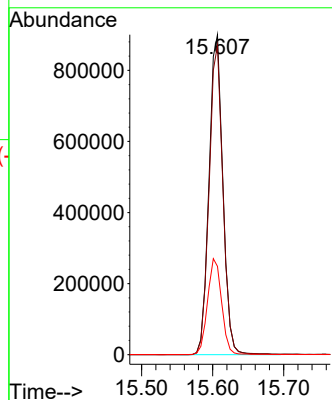
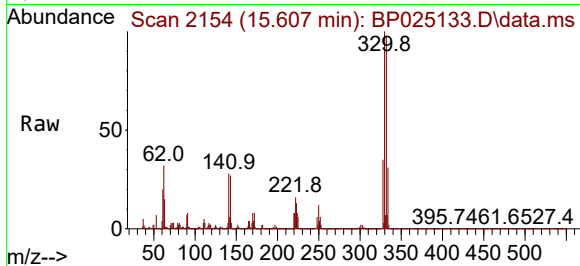




#42
2,4,6-Tribromophenol
Concen: 74.911 ng
RT: 15.607 min Scan# 2156
Delta R.T. -0.012 min
Lab File: BP025133.D
Acq: 14 Jul 2025 23:59

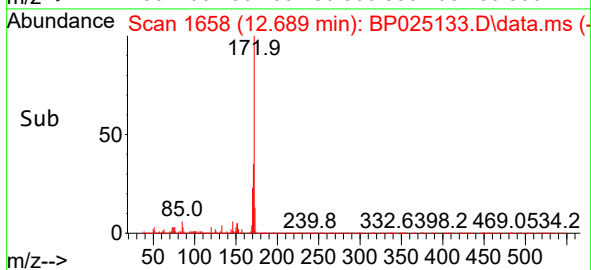
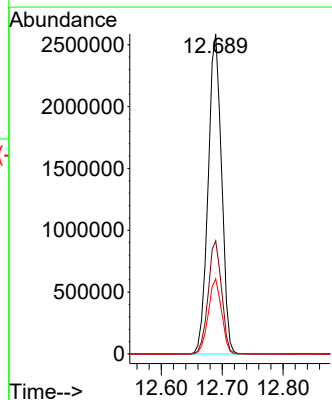
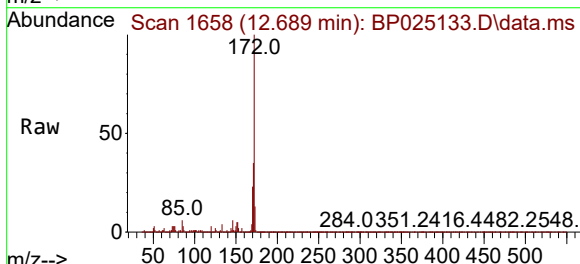
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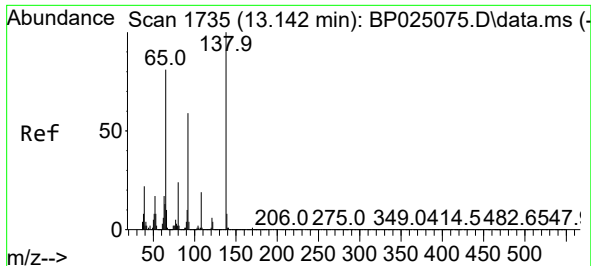
Tgt Ion: 330 Resp: 1222967
Ion Ratio Lower Upper
330 100
332 96.7 77.7 116.5
141 30.5 26.0 39.0



#45
2-Fluorobiphenyl
Concen: 44.403 ng
RT: 12.689 min Scan# 1658
Delta R.T. -0.006 min
Lab File: BP025133.D
Acq: 14 Jul 2025 23:59

Tgt Ion: 172 Resp: 3961058
Ion Ratio Lower Upper
172 100
171 35.4 28.2 42.2
170 23.5 18.7 28.1

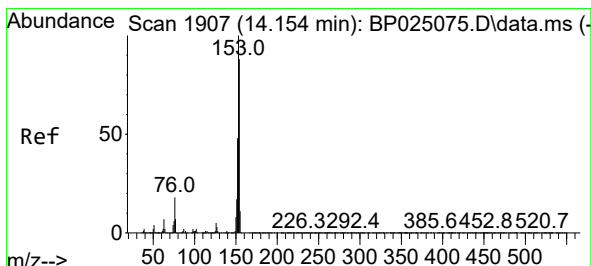
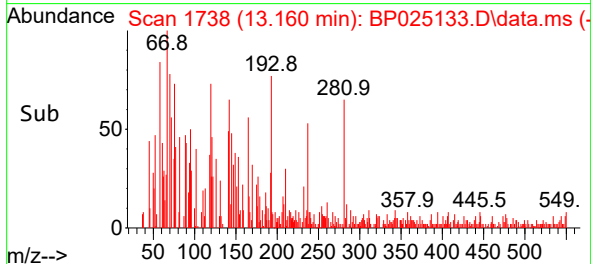
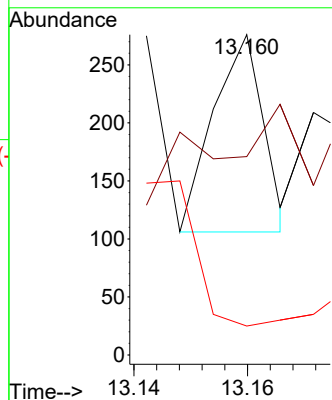
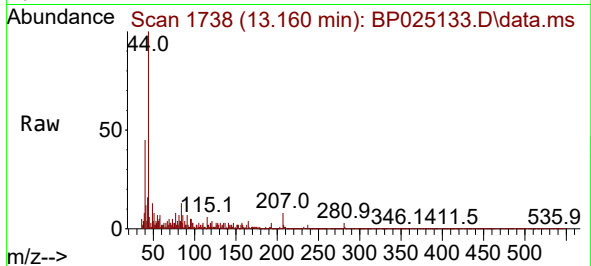




#48
2-Nitroaniline
Concen: 2.770 ng
RT: 13.160 min Scan# 11
Delta R.T. 0.018 min
Lab File: BP025133.D
Acq: 14 Jul 2025 23:59

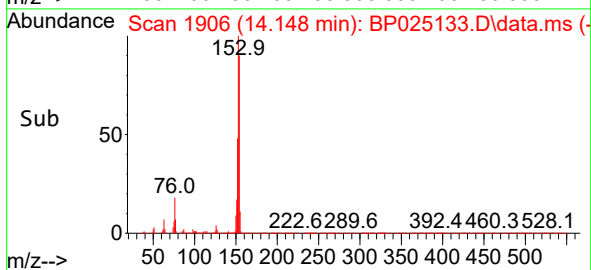
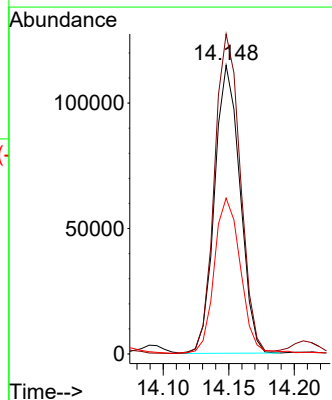
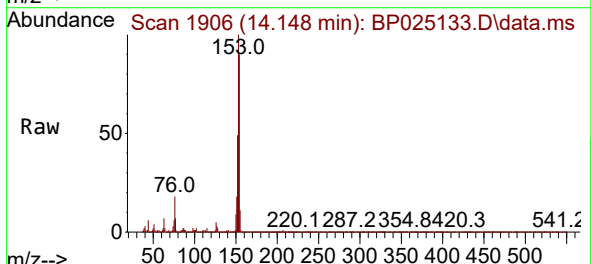
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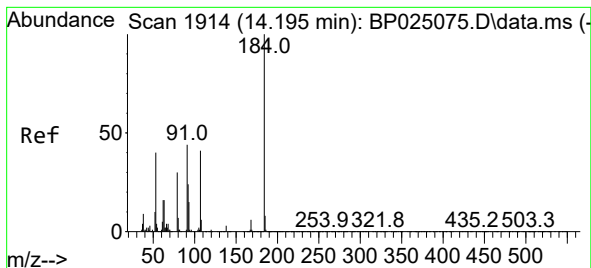
Tgt Ion: 65 Resp: 105
Ion Ratio Lower Upper
65 100
92 77.9 58.7 88.1
138 9.1 99.0 148.4#



#52
Acenaphthene
Concen: 2.080 ng
RT: 14.148 min Scan# 1906
Delta R.T. -0.006 min
Lab File: BP025133.D
Acq: 14 Jul 2025 23:59

Tgt Ion: 154 Resp: 155060
Ion Ratio Lower Upper
154 100
153 110.9 90.6 136.0
152 54.0 43.8 65.8





#54

2,4-Dinitrophenol

Concen: 5.389 ng

RT: 14.189 min Scan# 1914

Delta R.T. -0.006 min

Lab File: BP025133.D

Acq: 14 Jul 2025 23:59

Instrument :

BNA_P

ClientSampleId :

LP-7102025

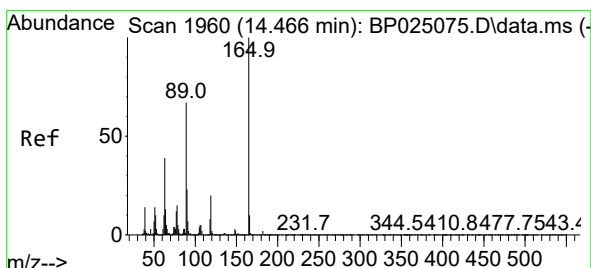
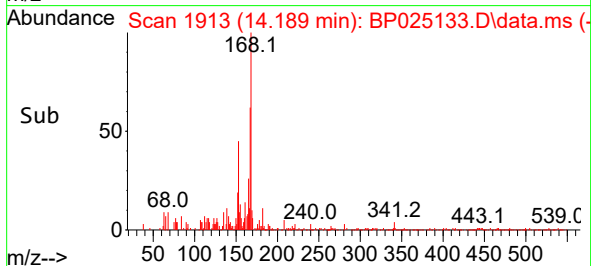
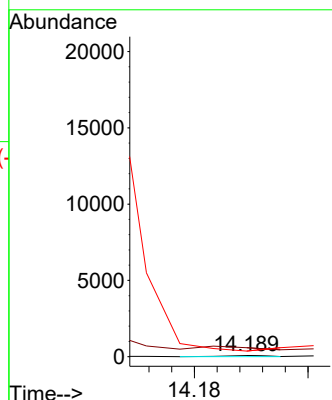
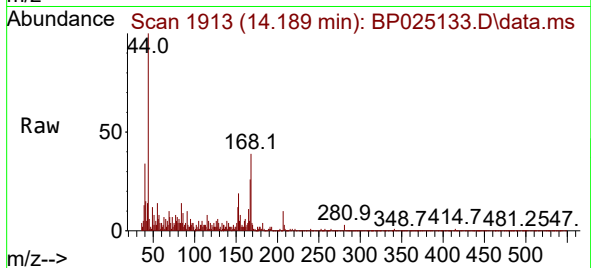
Tgt Ion:184 Resp: 39

Ion Ratio Lower Upper

184 100

63 752.6 47.4 71.0#

154 470.5 47.8 71.8#



#57

2,4-Dinitrotoluene

Concen: 2.647 ng

RT: 14.466 min Scan# 1960

Delta R.T. -0.000 min

Lab File: BP025133.D

Acq: 14 Jul 2025 23:59

Tgt Ion:165 Resp: 281

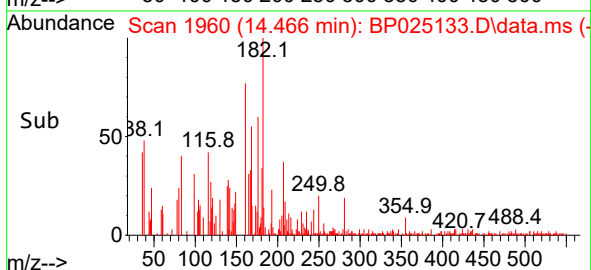
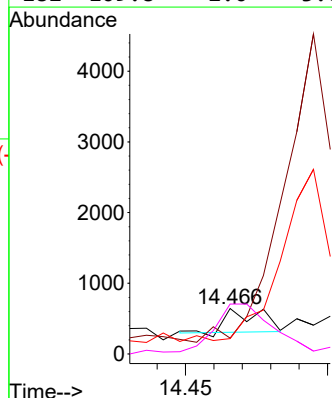
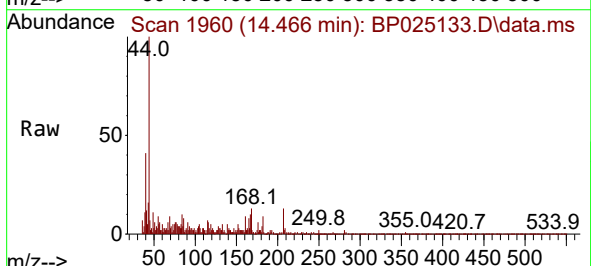
Ion Ratio Lower Upper

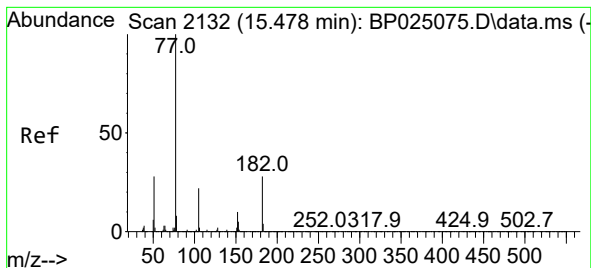
165 100

63 34.9 31.0 46.4

89 34.0 53.4 80.0#

182 109.8 2.0 3.0#





#63

Azobenzene

Concen: 4.285 ng

RT: 15.495 min Scan# 2132

Delta R.T. 0.017 min

Lab File: BP025133.D

Acq: 14 Jul 2025 23:59

Instrument :

BNA_P

ClientSampleId :

LP-7102025

Tgt Ion: 77 Resp: 370737

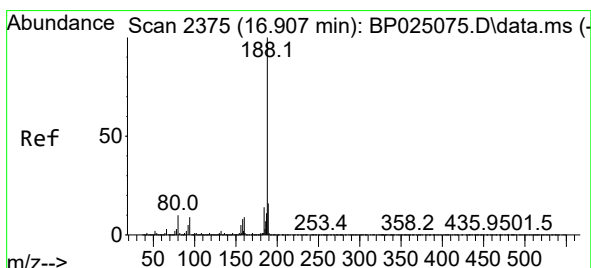
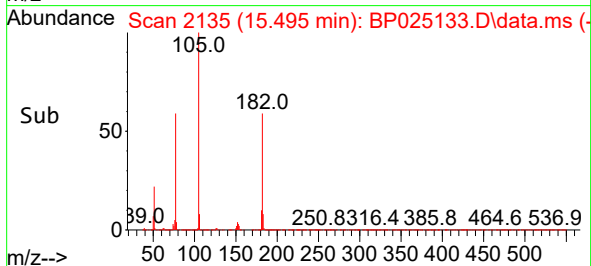
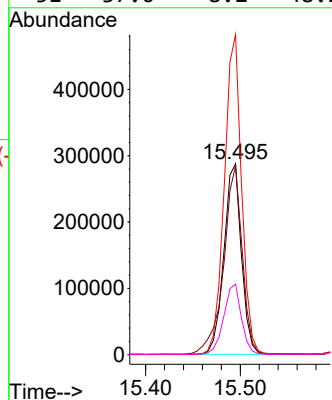
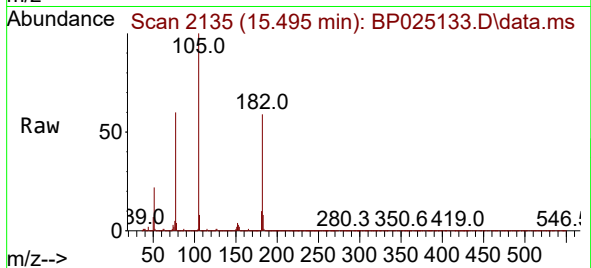
Ion Ratio Lower Upper

77 100

182 99.1 7.7 47.7#

105 167.7 1.9 41.9#

51 37.0 8.2 48.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.901 min Scan# 2374

Delta R.T. -0.006 min

Lab File: BP025133.D

Acq: 14 Jul 2025 23:59

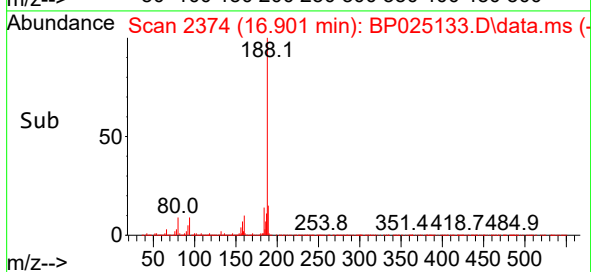
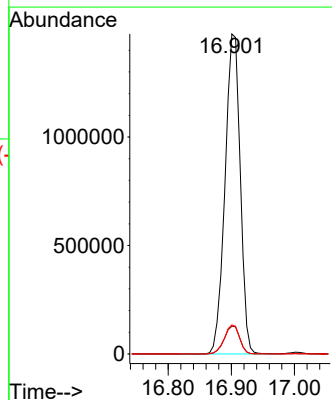
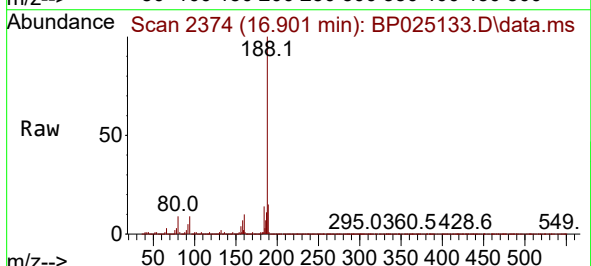
Tgt Ion:188 Resp: 2469760

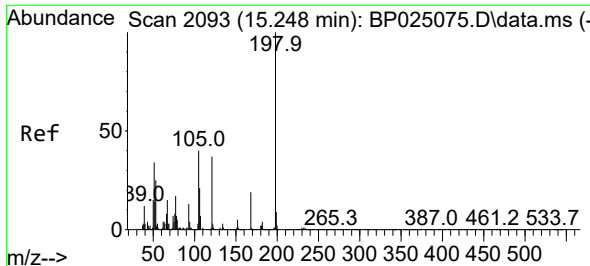
Ion Ratio Lower Upper

188 100

94 8.6 7.3 10.9

80 9.1 7.8 11.6

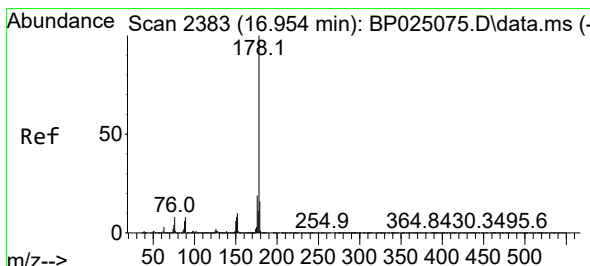
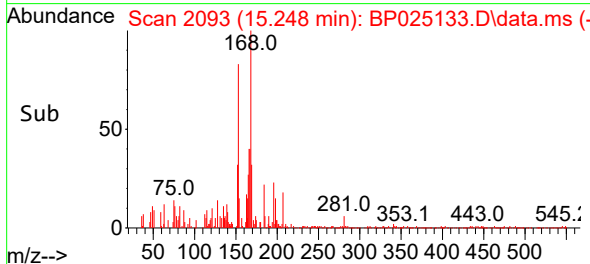
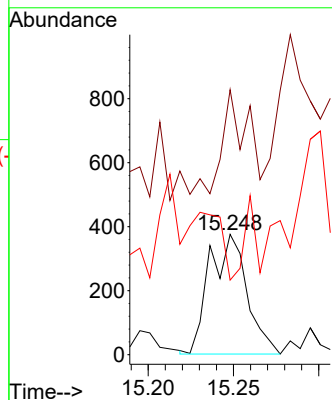
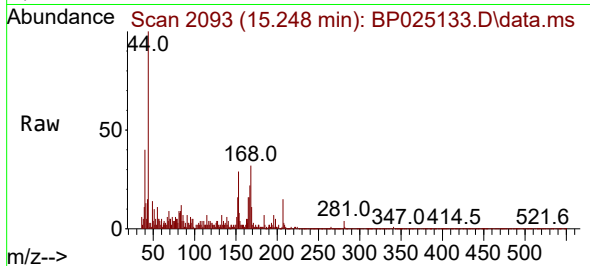




#65
4,6-Dinitro-2-methylphenol
Concen: 5.624 ng
RT: 15.248 min Scan# 2093
Delta R.T. -0.000 min
Lab File: BP025133.D
Acq: 14 Jul 2025 23:59

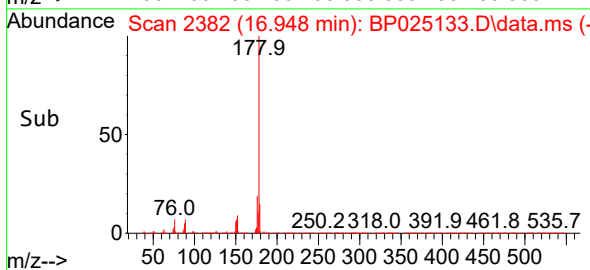
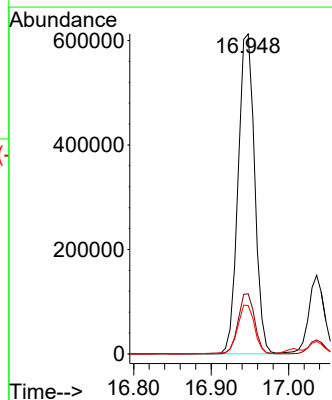
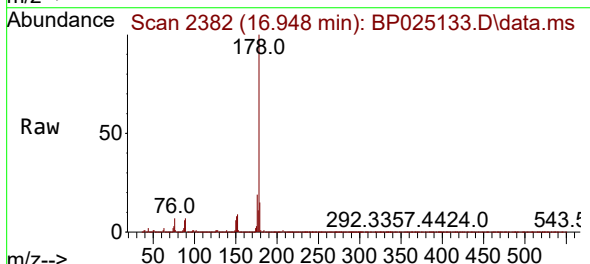
Instrument :
BNA_P
ClientSampleId :
LP-7102025

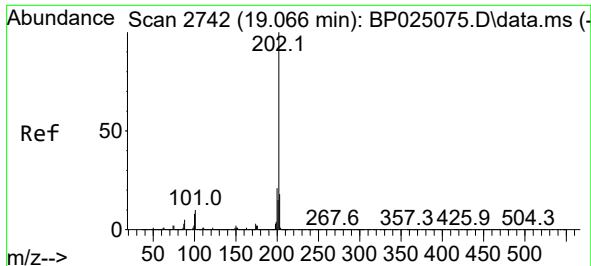
Tgt Ion:198 Resp: 571
Ion Ratio Lower Upper
198 100
51 220.2 16.8 56.8#
105 62.0 20.8 60.8#



#71
Phenanthrene
Concen: 6.882 ng
RT: 16.948 min Scan# 2382
Delta R.T. -0.006 min
Lab File: BP025133.D
Acq: 14 Jul 2025 23:59

Tgt Ion:178 Resp: 908155
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 15.2 12.6 19.0

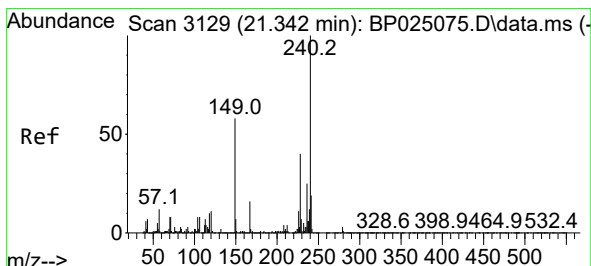
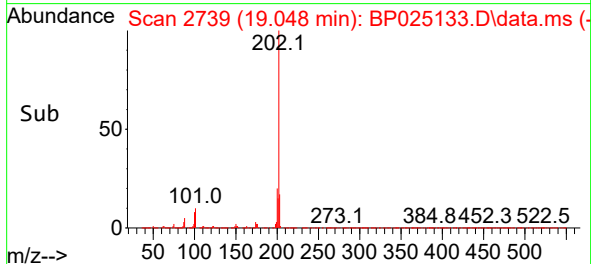
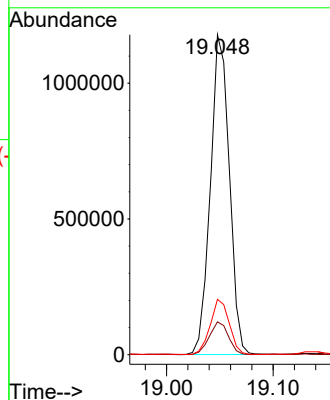
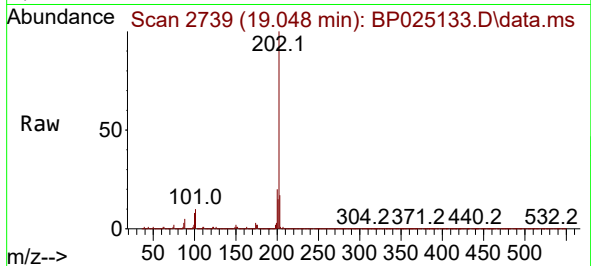




#75
Fluoranthene
Concen: 9.456 ng
RT: 19.048 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP025133.D
Acq: 14 Jul 2025 23:59

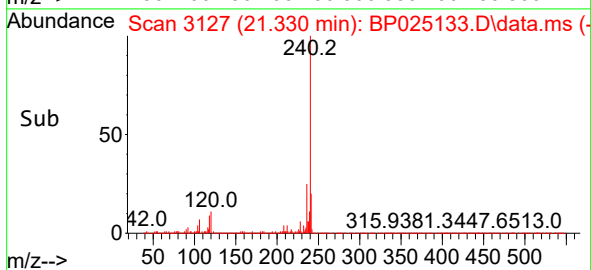
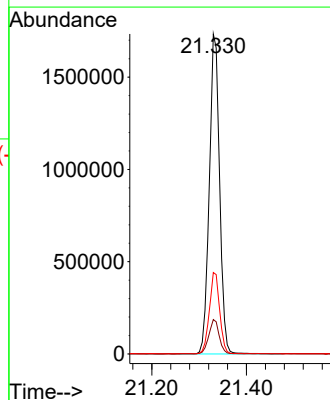
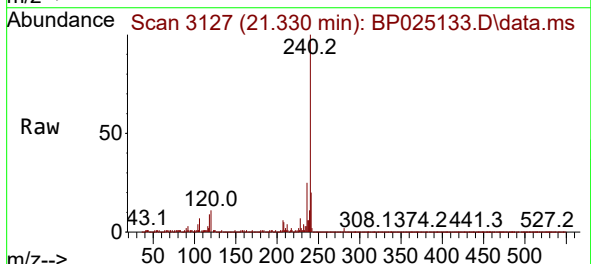
Instrument :
BNA_P
ClientSampleId :
LP-7102025

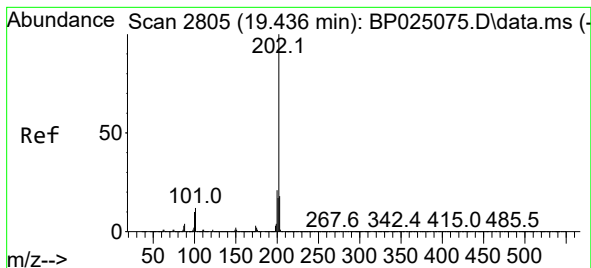
Tgt Ion:202 Resp: 1458737
Ion Ratio Lower Upper
202 100
101 10.3 0.0 30.4
203 17.3 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.330 min Scan# 3127
Delta R.T. -0.012 min
Lab File: BP025133.D
Acq: 14 Jul 2025 23:59

Tgt Ion:240 Resp: 2608279
Ion Ratio Lower Upper
240 100
120 10.7 9.0 13.4
236 25.5 20.3 30.5





#78

Pyrene

Concen: 7.162 ng

RT: 19.424 min Scan# 2803

Delta R.T. -0.012 min

Lab File: BP025133.D

Acq: 14 Jul 2025 23:59

Instrument :

BNA_P

ClientSampleId :

LP-7102025

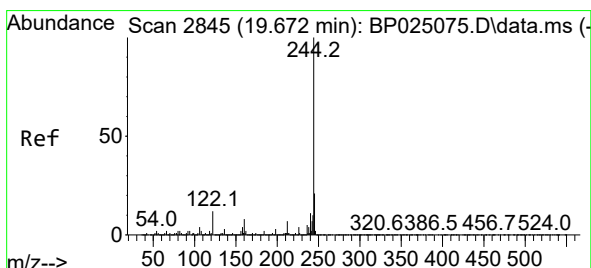
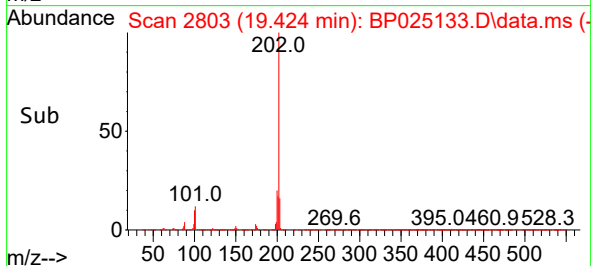
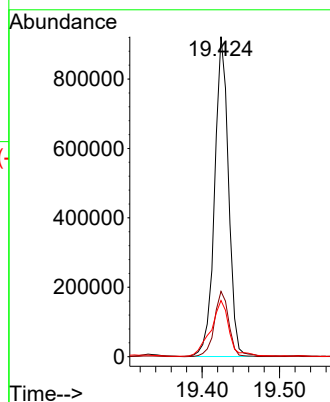
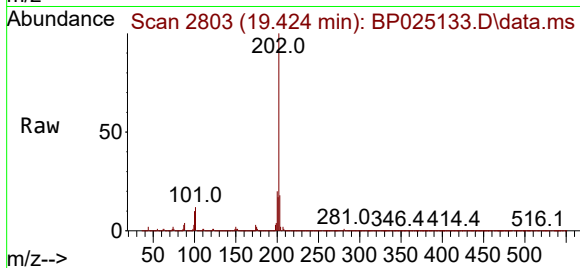
Tgt Ion:202 Resp: 1156991

Ion Ratio Lower Upper

202 100

200 20.4 17.1 25.7

203 17.6 14.1 21.1



#79

Terphenyl-d14

Concen: 41.150 ng

RT: 19.660 min Scan# 2843

Delta R.T. -0.012 min

Lab File: BP025133.D

Acq: 14 Jul 2025 23:59

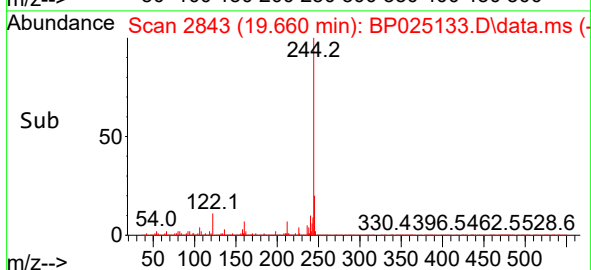
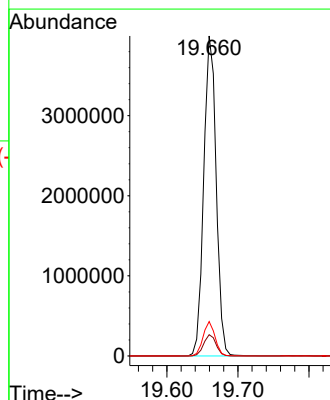
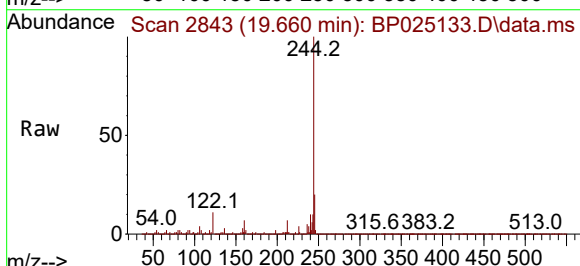
Tgt Ion:244 Resp: 4883589

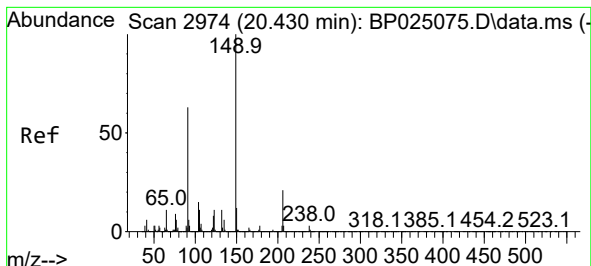
Ion Ratio Lower Upper

244 100

212 6.7 5.9 8.9

122 10.8 9.4 14.2





#80

Butylbenzylphthalate

Concen: 3.717 ng

RT: 20.418 min Scan# 2974

Delta R.T. -0.012 min

Lab File: BP025133.D

Acq: 14 Jul 2025 23:59

Instrument :

BNA_P

ClientSampleId :

LP-7102025

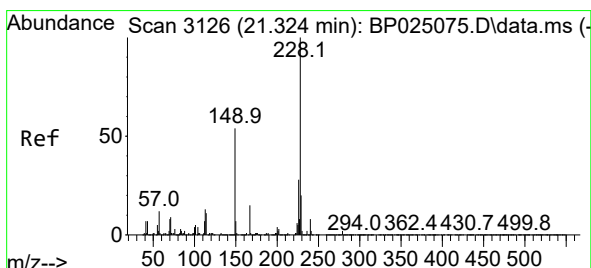
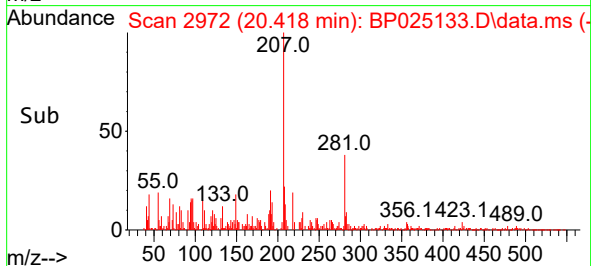
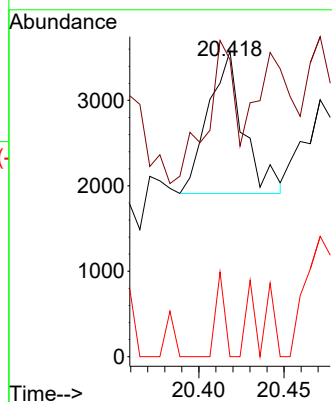
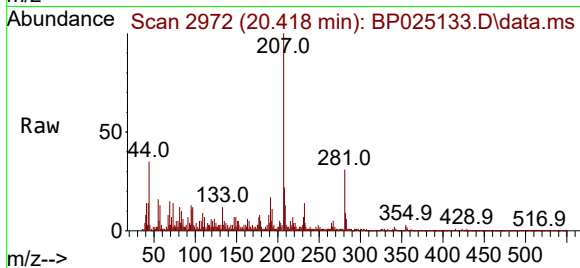
Tgt Ion:149 Resp: 2383

Ion Ratio Lower Upper

149 100

91 97.3 50.6 76.0#

206 0.0 17.2 25.8#



#81

Benzo(a)anthracene

Concen: 3.662 ng

RT: 21.312 min Scan# 3124

Delta R.T. -0.012 min

Lab File: BP025133.D

Acq: 14 Jul 2025 23:59

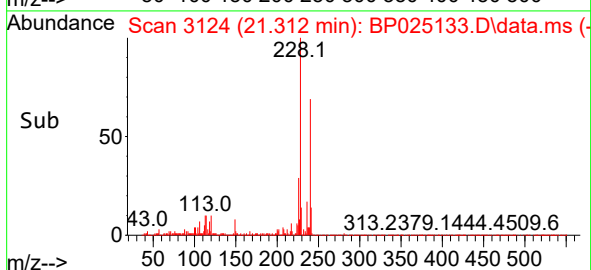
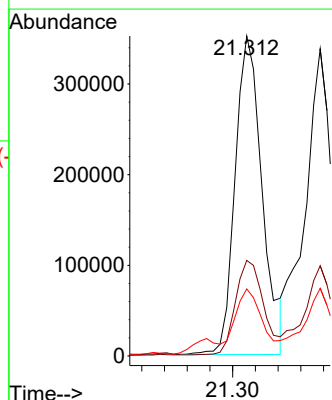
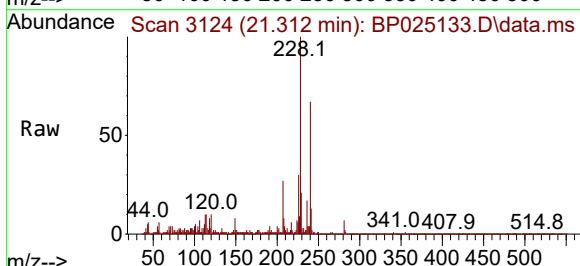
Tgt Ion:228 Resp: 578848

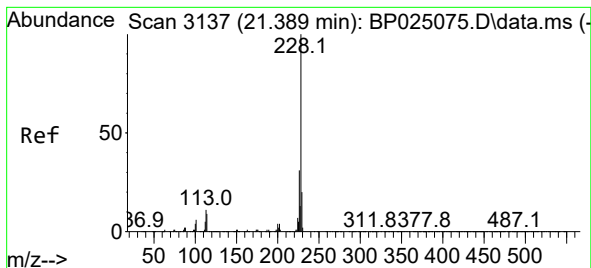
Ion Ratio Lower Upper

228 100

226 29.8 22.1 33.1

229 21.0 16.0 24.0





#83

Chrysene

Concen: 3.691 ng

RT: 21.377 min Scan# 3137

Delta R.T. -0.012 min

Lab File: BP025133.D

Acq: 14 Jul 2025 23:59

Instrument :

BNA_P

ClientSampleId :

LP-7102025

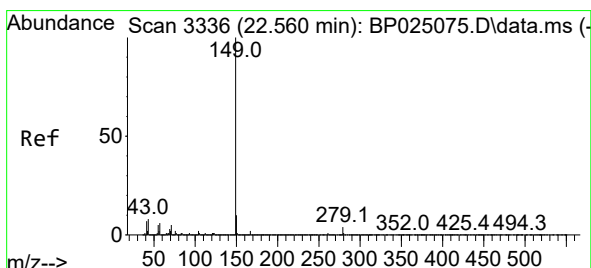
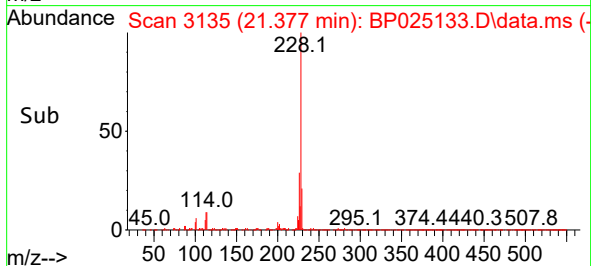
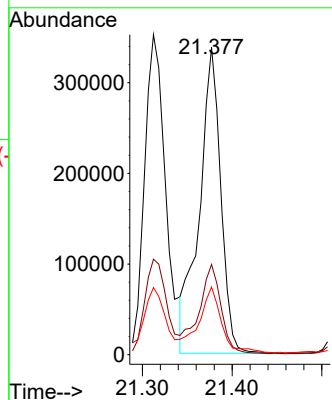
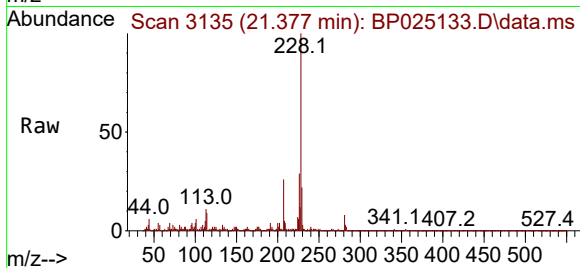
Tgt Ion:228 Resp: 561481

Ion Ratio Lower Upper

228 100

226 29.4 24.4 36.6

229 22.0 16.0 24.0



#85

Di-n-octyl phthalate

Concen: 6.177 ng

RT: 22.518 min Scan# 3329

Delta R.T. -0.042 min

Lab File: BP025133.D

Acq: 14 Jul 2025 23:59

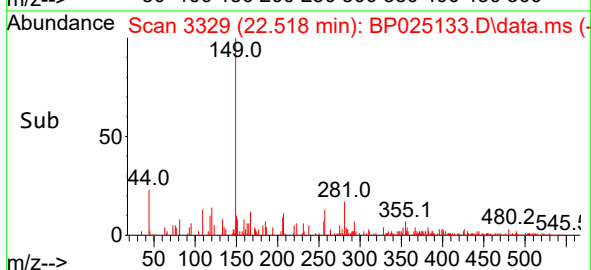
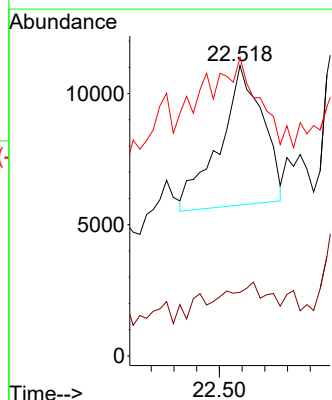
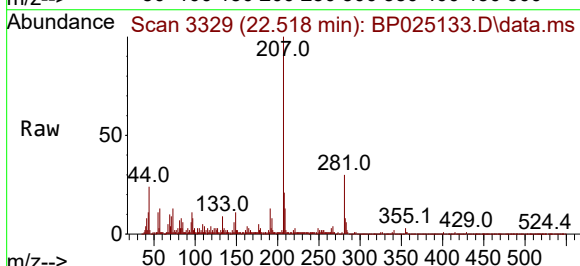
Tgt Ion:149 Resp: 13942

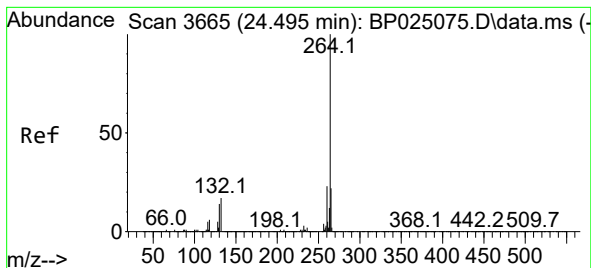
Ion Ratio Lower Upper

149 100

167 13.3 1.3 1.9#

43 0.0 6.9 10.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.465 min Scan# 3

Delta R.T. -0.030 min

Lab File: BP025133.D

Acq: 14 Jul 2025 23:59

Instrument :

BNA_P

ClientSampleId :

LP-7102025

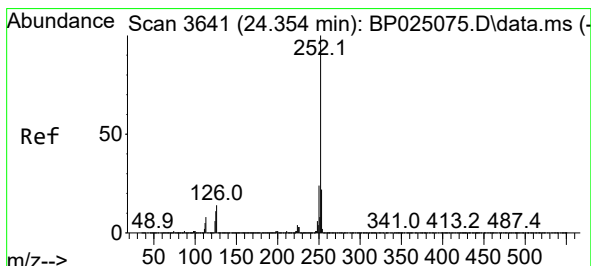
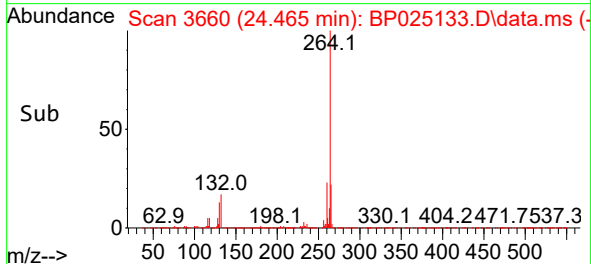
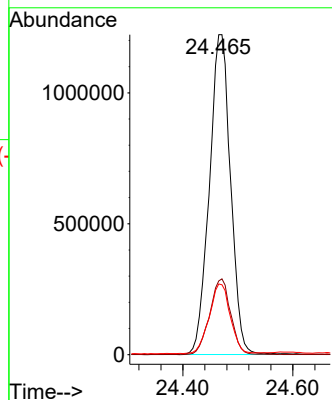
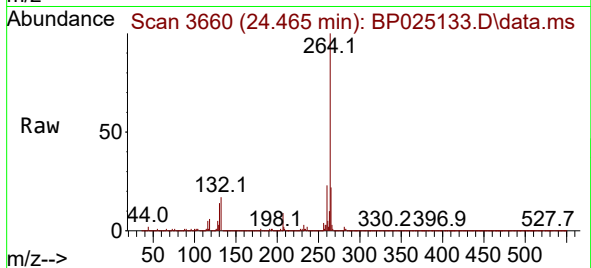
Tgt Ion:264 Resp: 3270541

Ion Ratio Lower Upper

264 100

260 23.1 18.6 28.0

265 22.1 17.7 26.5



#90

Benzo(a)pyrene

Concen: 3.398 ng

RT: 24.318 min Scan# 3635

Delta R.T. -0.036 min

Lab File: BP025133.D

Acq: 14 Jul 2025 23:59

Tgt Ion:252 Resp: 550499

Ion Ratio Lower Upper

252 100

253 23.6 17.6 26.4

125 11.2 9.0 13.4

