

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061725\
 Data File : BP024981.D
 Acq On : 17 Jun 2025 18:48
 Operator : RC/JU
 Sample : Q2336-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WBR-1

Quant Time: Jun 18 01:11:53 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)

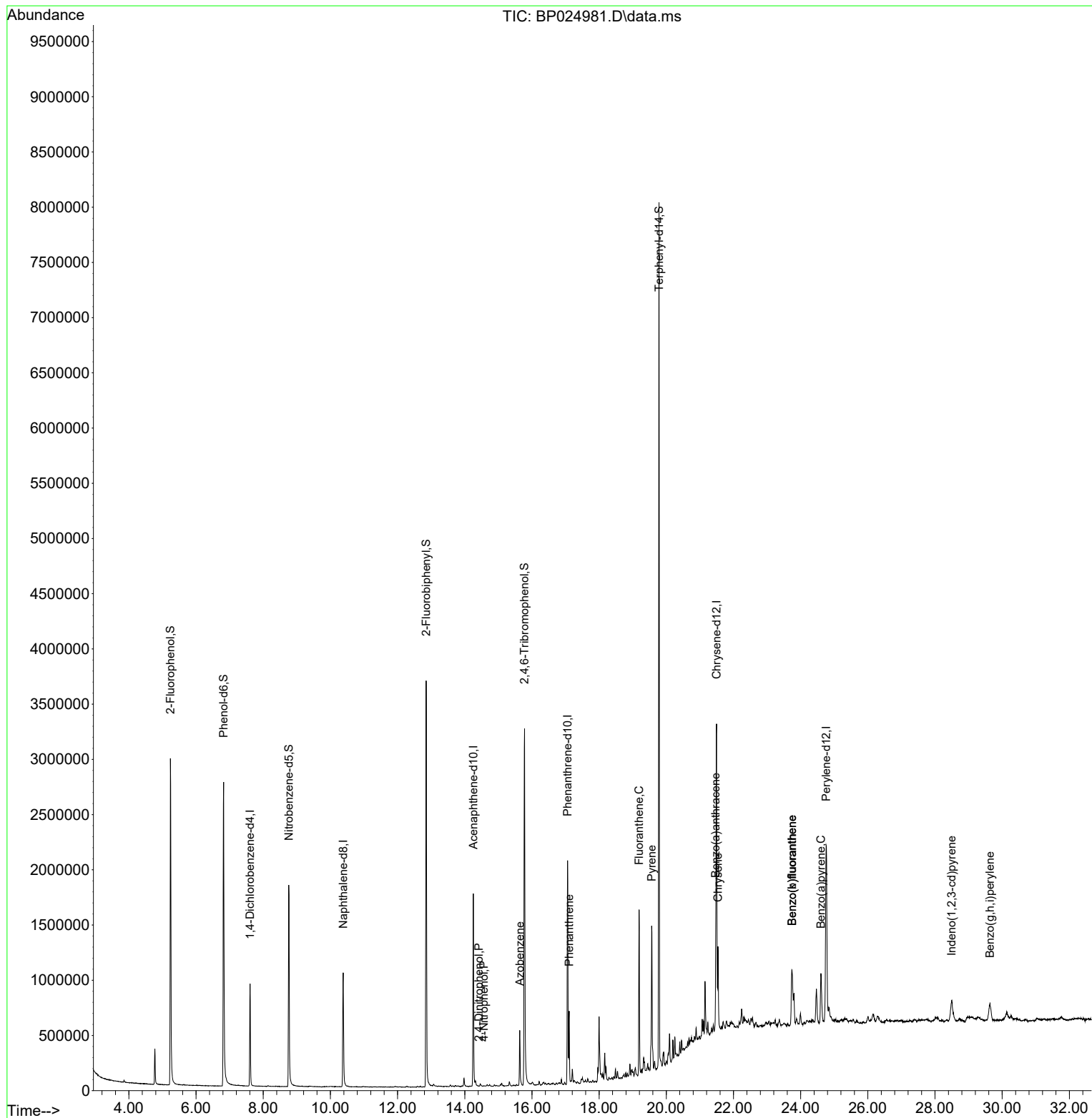
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.607	152	256220	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	995649	20.000	ng	0.00
39) Acenaphthene-d10	14.254	164	621324	20.000	ng	0.00
64) Phenanthrene-d10	17.060	188	1277796	20.000	ng	0.00
76) Chrysene-d12	21.495	240	1468549	20.000	ng	0.01
86) Perylene-d12	24.760	264	1750596	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.237	112	1473008	95.962	ng	0.00
7) Phenol-d6	6.819	99	1932808	95.168	ng	0.00
23) Nitrobenzene-d5	8.760	82	1185046	57.837	ng	0.00
42) 2,4,6-Tribromophenol	15.778	330	810030	94.298	ng	0.00
45) 2-Fluorobiphenyl	12.848	172	2024287	43.889	ng	-0.01
79) Terphenyl-d14	19.783	244	3697220	45.122	ng	-0.01
Target Compounds						Qvalue
54) 2,4-Dinitrophenol	14.419	184	31	5.568	ng	# 1
56) 4-Nitrophenol	14.572	139	189	5.429	ng	91
63) Azobenzene	15.636	77	153547	3.665	ng	# 1
71) Phenanthrene	17.107	178	389523	5.516	ng	100
75) Fluoranthene	19.189	202	870943	10.642	ng	99
78) Pyrene	19.566	202	844796	9.208	ng	100
81) Benzo(a)anthracene	21.471	228	488779	5.204	ng	100
83) Chrysene	21.536	228	486030	5.461	ng	97
87) Indeno(1,2,3-cd)pyrene	28.495	276	295371	2.313	ng	96
88) Benzo(b)fluoranthene	23.742	252	594538	5.934	ng	# 97
89) Benzo(k)fluoranthene	23.742	252	594538	5.830	ng	97
90) Benzo(a)pyrene	24.601	252	460609	4.708	ng	97
92) Benzo(g,h,i)perylene	29.636	276	282120	2.735	ng	97

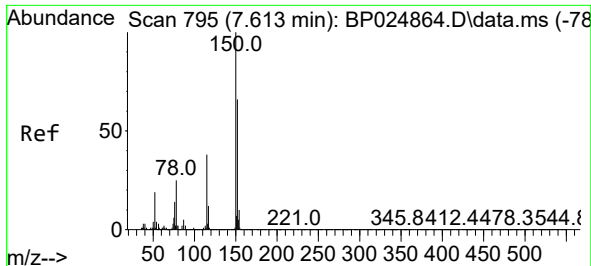
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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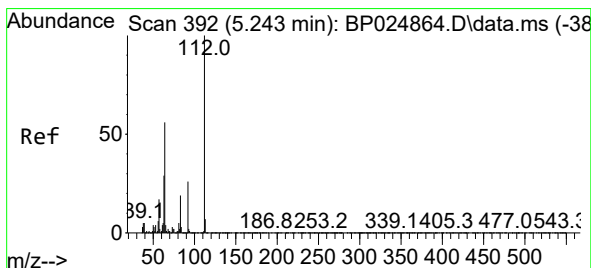
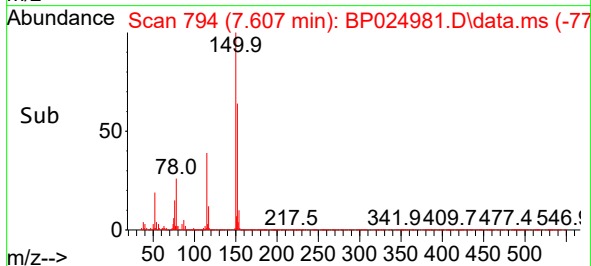
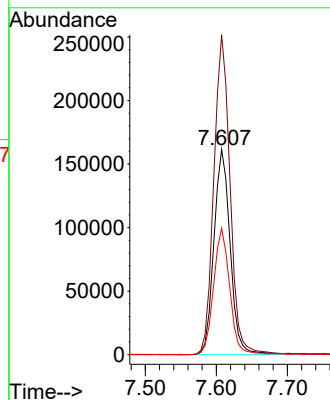
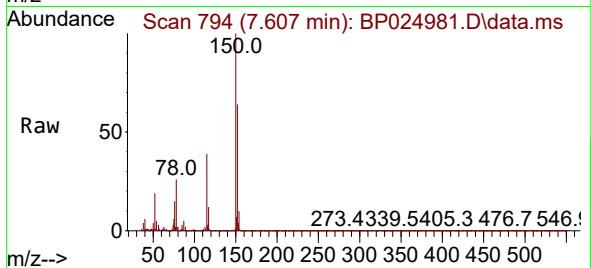




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.607 min Scan# 795
Delta R.T. -0.006 min
Lab File: BP024981.D
Acq: 17 Jun 2025 18:48

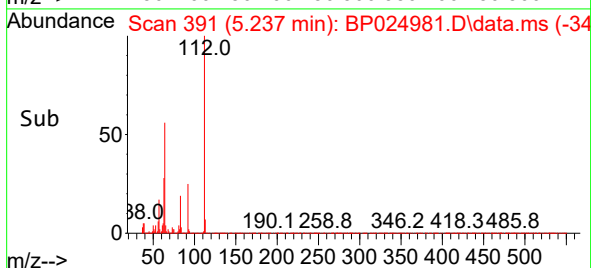
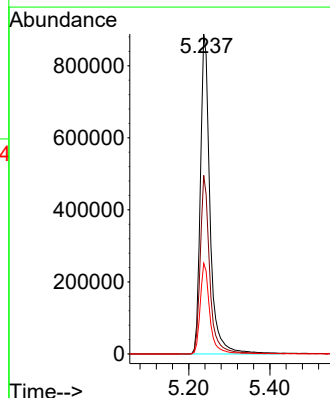
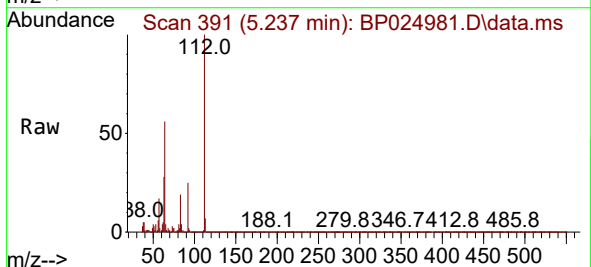
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WBR-1

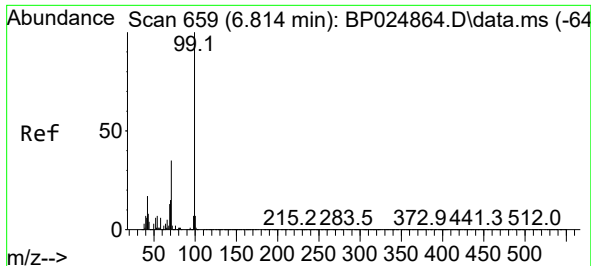
Tgt Ion:152 Resp: 256220
Ion Ratio Lower Upper
152 100
150 155.9 122.1 183.1
115 61.5 46.4 69.6



#5
2-Fluorophenol
Concen: 95.962 ng
RT: 5.237 min Scan# 391
Delta R.T. -0.006 min
Lab File: BP024981.D
Acq: 17 Jun 2025 18:48

Tgt Ion:112 Resp: 1473008
Ion Ratio Lower Upper
112 100
64 55.8 44.7 67.1
63 28.3 23.5 35.3

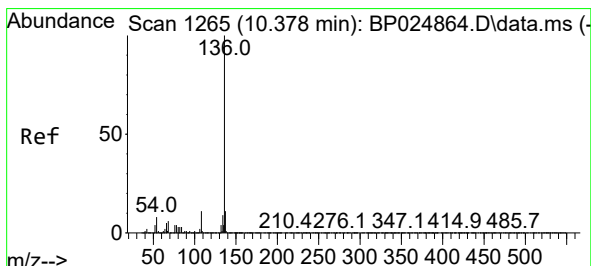
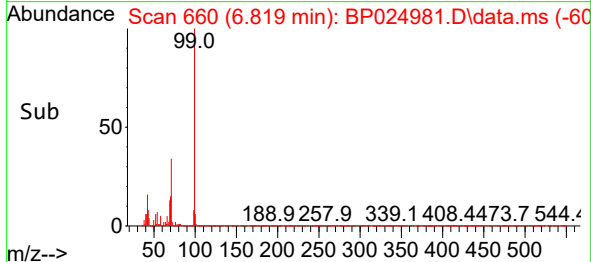
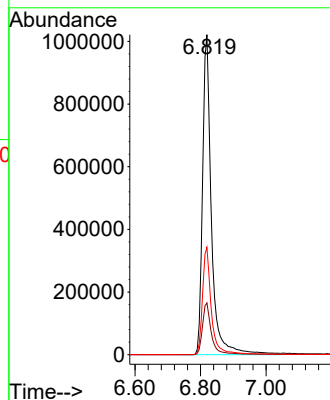
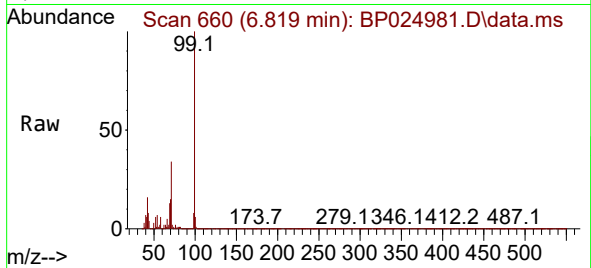




#7
Phenol-d6
Concen: 95.168 ng
RT: 6.819 min Scan# 60
Delta R.T. 0.006 min
Lab File: BP024981.D
Acq: 17 Jun 2025 18:48

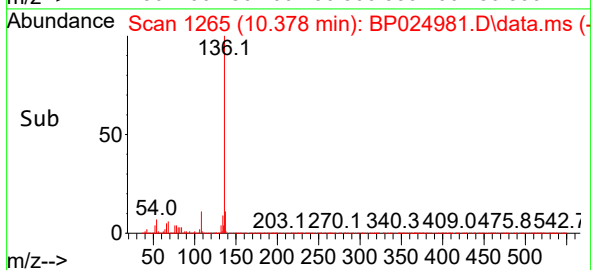
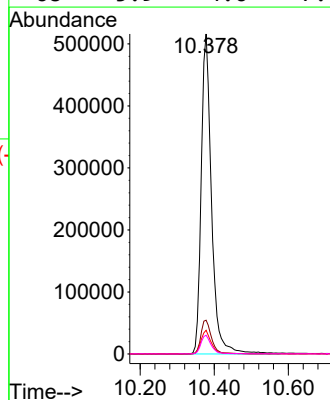
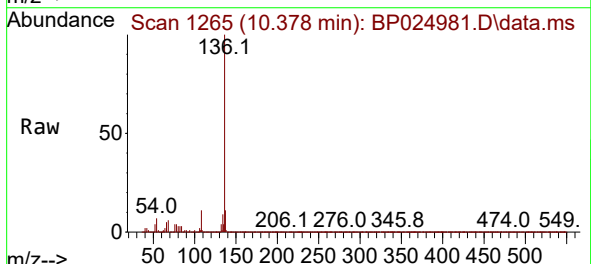
Instrument :
BNA_P
ClientSampleId :
WBR-1

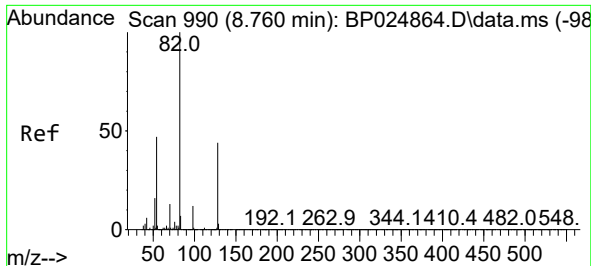
Tgt Ion: 99 Resp: 1932808
Ion Ratio Lower Upper
99 100
42 16.2 13.4 20.2
71 33.5 27.6 41.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BP024981.D
Acq: 17 Jun 2025 18:48

Tgt Ion: 136 Resp: 995649
Ion Ratio Lower Upper
136 100
137 10.5 8.9 13.3
54 7.4 6.1 9.1
68 5.9 4.6 7.0

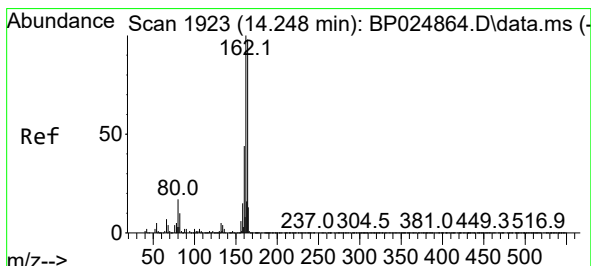
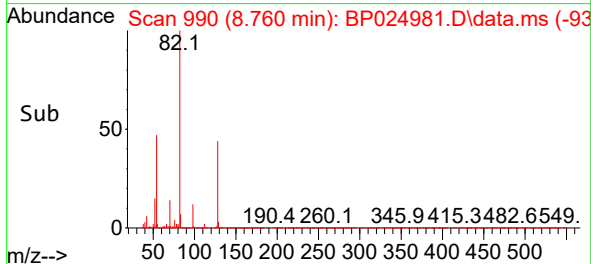
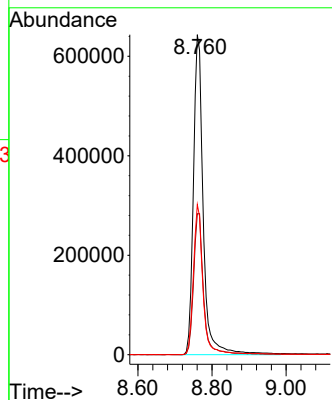
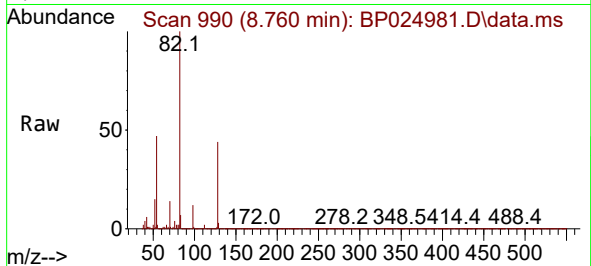




#23
Nitrobenzene-d5
Concen: 57.837 ng
RT: 8.760 min Scan# 990
Delta R.T. -0.000 min
Lab File: BP024981.D
Acq: 17 Jun 2025 18:48

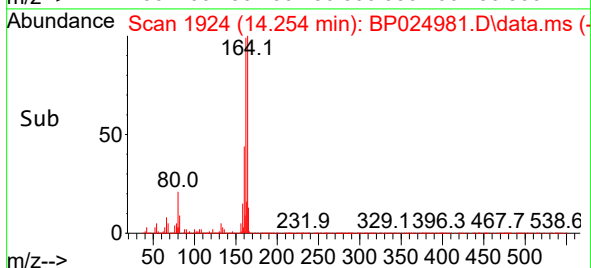
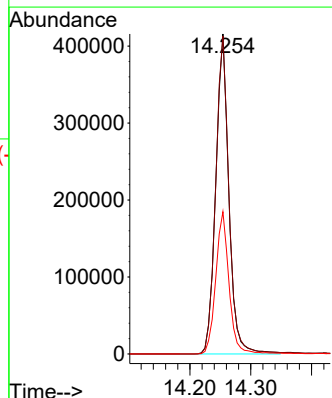
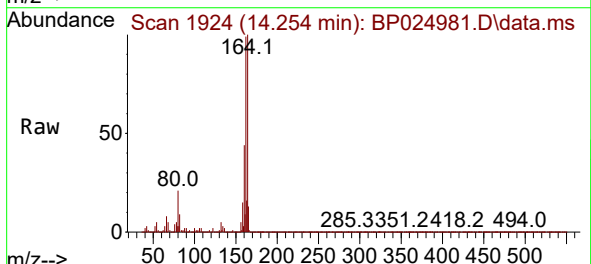
Instrument :
BNA_P
ClientSampleId :
WBR-1

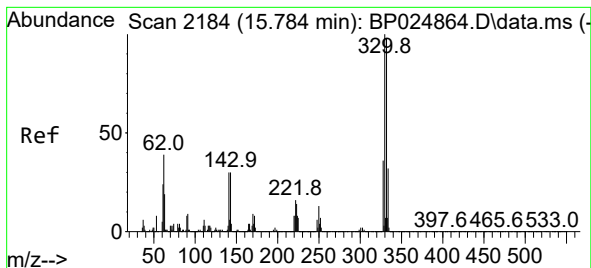
Tgt Ion: 82 Resp: 1185046
Ion Ratio Lower Upper
82 100
128 44.1 35.3 52.9
54 46.9 37.4 56.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.254 min Scan# 1924
Delta R.T. 0.006 min
Lab File: BP024981.D
Acq: 17 Jun 2025 18:48

Tgt Ion:164 Resp: 621324
Ion Ratio Lower Upper
164 100
162 99.4 81.6 122.4
160 44.5 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 94.298 ng

RT: 15.778 min Scan# 2184

Delta R.T. -0.006 min

Lab File: BP024981.D

Acq: 17 Jun 2025 18:48

Instrument :

BNA_P

ClientSampleId :

WBR-1

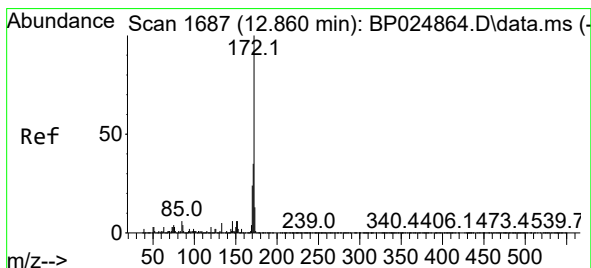
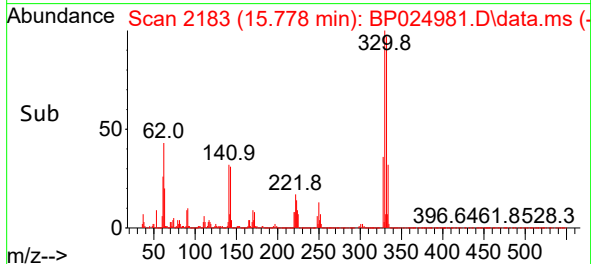
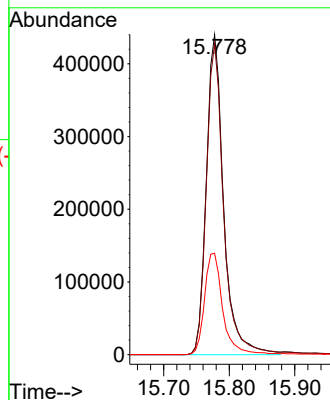
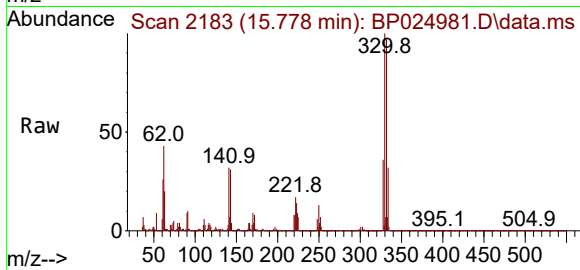
Tgt Ion:330 Resp: 810030

Ion Ratio Lower Upper

330 100

332 98.7 77.7 116.5

141 33.6 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 43.889 ng

RT: 12.848 min Scan# 1685

Delta R.T. -0.012 min

Lab File: BP024981.D

Acq: 17 Jun 2025 18:48

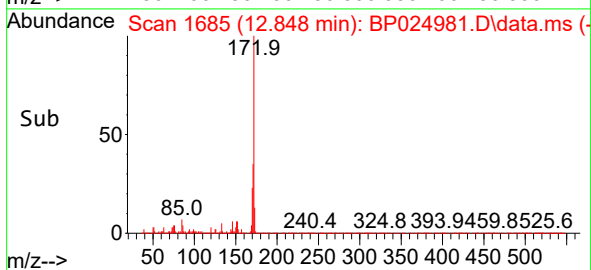
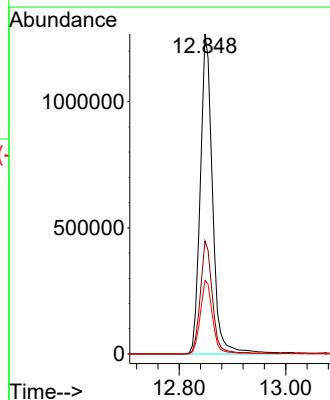
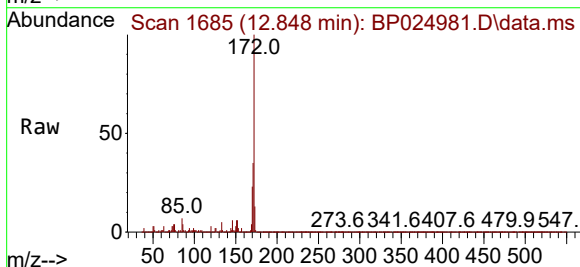
Tgt Ion:172 Resp: 2024287

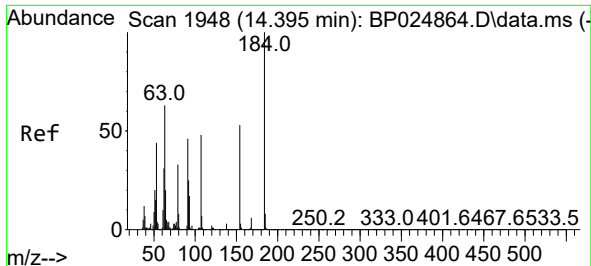
Ion Ratio Lower Upper

172 100

171 35.3 28.3 42.5

170 23.0 19.0 28.4

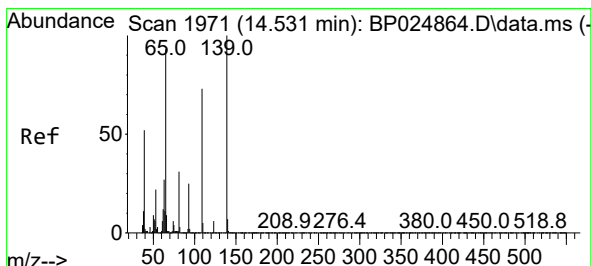
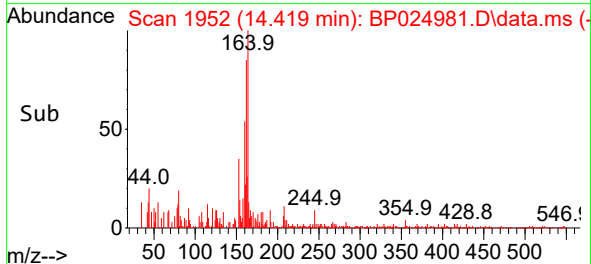
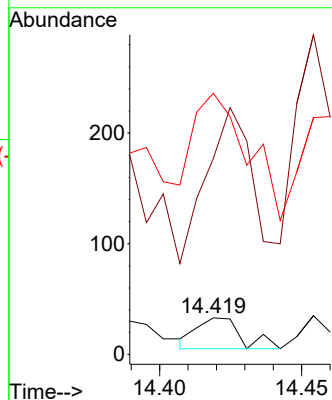
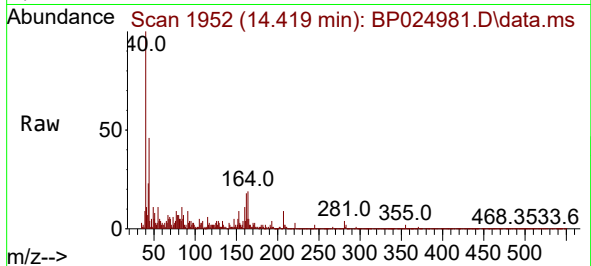




#54
2,4-Dinitrophenol
Concen: 5.568 ng
RT: 14.419 min Scan# 1952
Delta R.T. 0.024 min
Lab File: BP024981.D
Acq: 17 Jun 2025 18:48

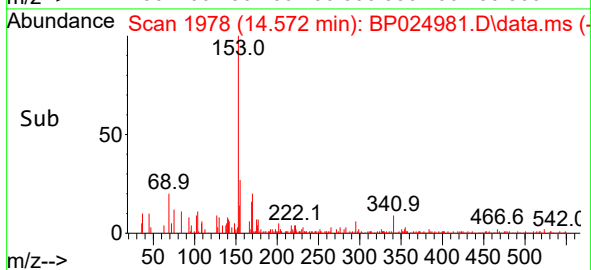
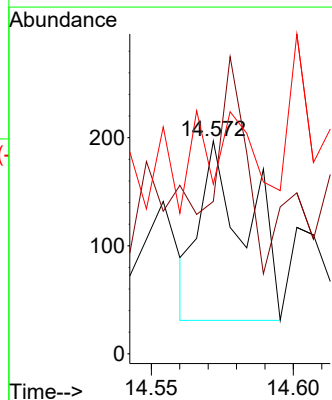
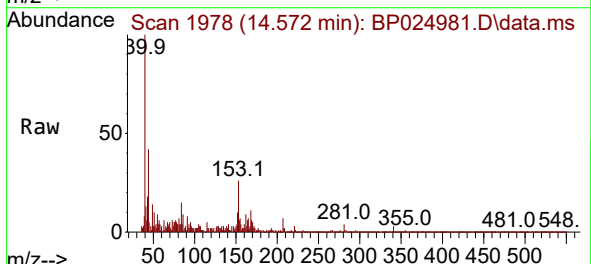
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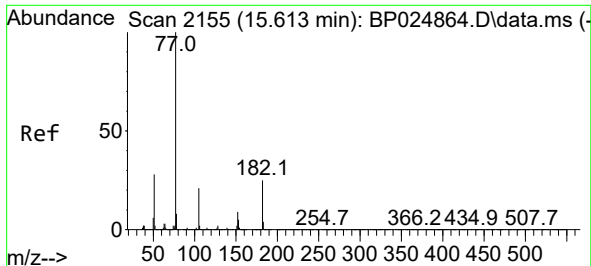
Tgt Ion:184 Resp: 31
Ion Ratio Lower Upper
184 100
63 775.8 51.0 76.4#
154 715.2 51.7 77.5#



#56
4-Nitrophenol
Concen: 5.429 ng
RT: 14.572 min Scan# 1978
Delta R.T. 0.041 min
Lab File: BP024981.D
Acq: 17 Jun 2025 18:48

Tgt Ion:139 Resp: 189
Ion Ratio Lower Upper
139 100
109 71.6 53.1 93.1
65 79.7 73.0 113.0

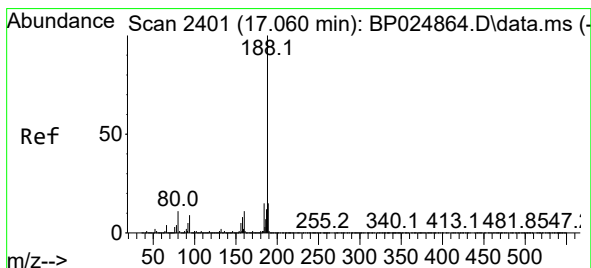
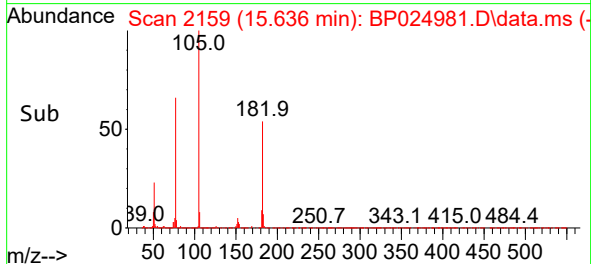
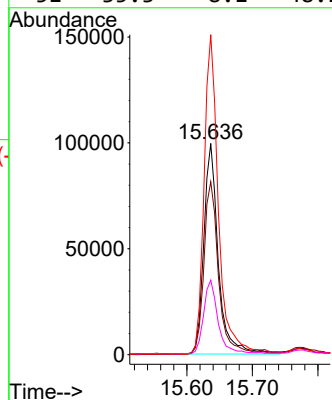
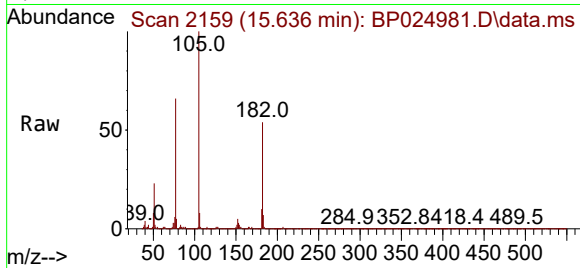




#63
Azobenzene
Concen: 3.665 ng
RT: 15.636 min Scan# 2155
Delta R.T. 0.023 min
Lab File: BP024981.D
Acq: 17 Jun 2025 18:48

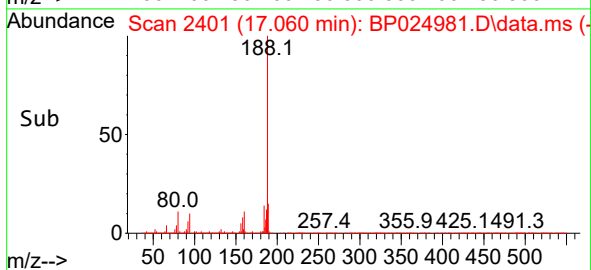
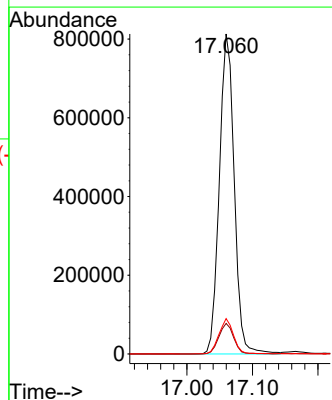
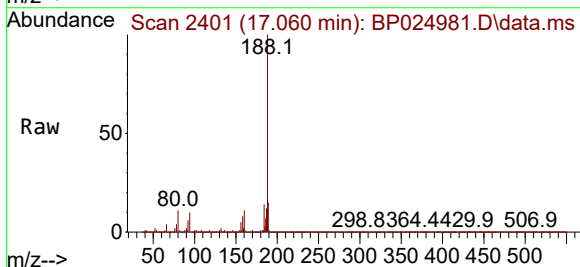
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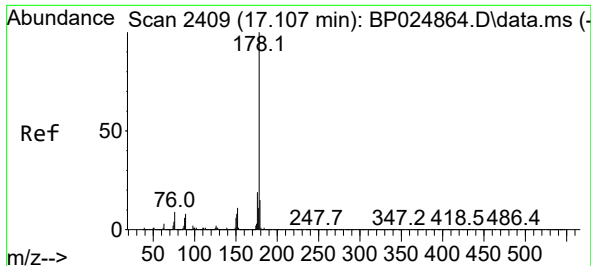
Tgt Ion: 77	Resp: 153547
Ion Ratio	Lower Upper
77 100	
182 81.9	5.4 45.4#
105 151.5	0.8 40.8#
51 35.3	8.1 48.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.060 min Scan# 2401
Delta R.T. -0.000 min
Lab File: BP024981.D
Acq: 17 Jun 2025 18:48

Tgt Ion: 188	Resp: 1277796
Ion Ratio	Lower Upper
188 100	
94 9.6	7.3 10.9
80 11.1	8.5 12.7

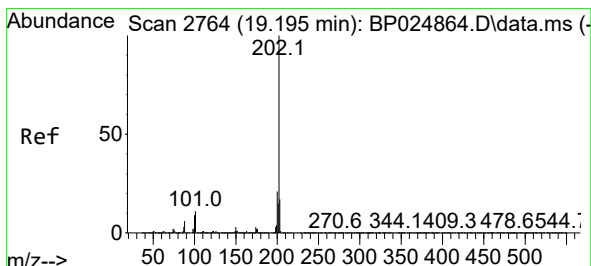
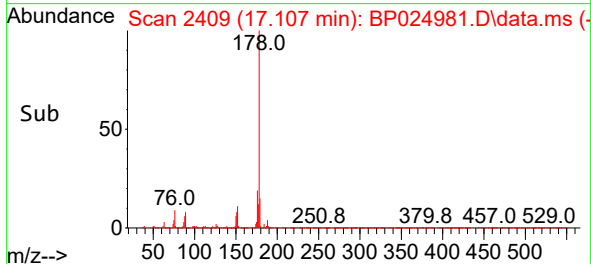
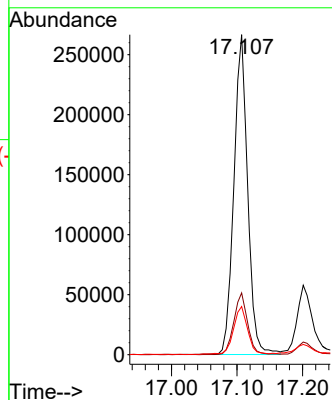
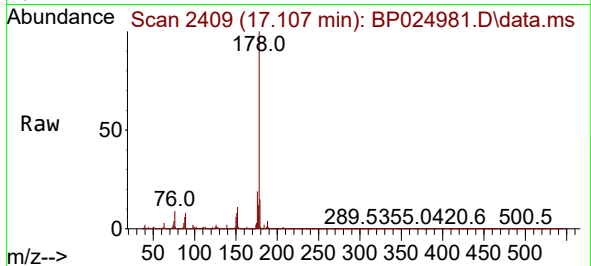




#71
Phenanthrene
Concen: 5.516 ng
RT: 17.107 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BP024981.D
Acq: 17 Jun 2025 18:48

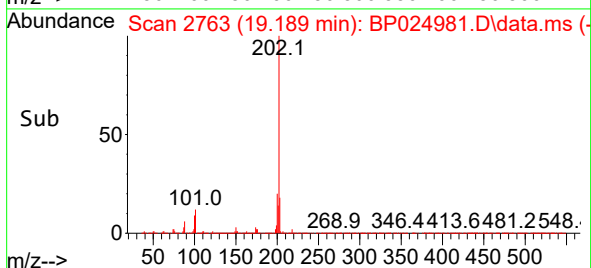
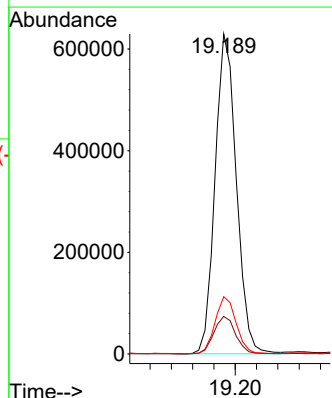
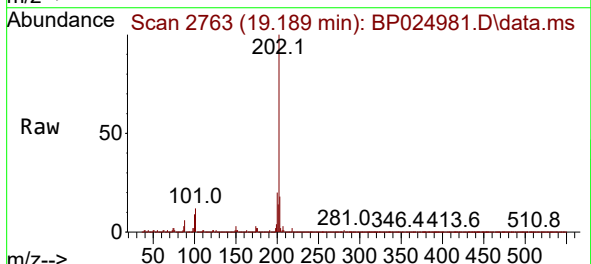
Instrument :
BNA_P
ClientSampleId :
WBR-1

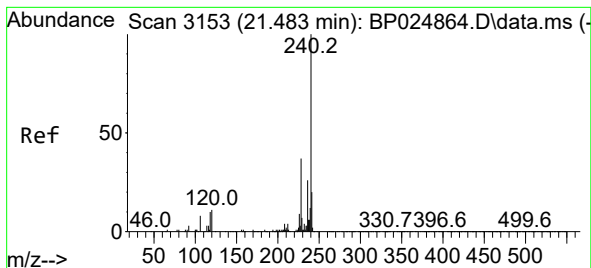
Tgt Ion:178 Resp: 389523
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.1 12.1 18.1



#75
Fluoranthene
Concen: 10.642 ng
RT: 19.189 min Scan# 2763
Delta R.T. -0.006 min
Lab File: BP024981.D
Acq: 17 Jun 2025 18:48

Tgt Ion:202 Resp: 870943
Ion Ratio Lower Upper
202 100
101 11.8 0.0 31.4
203 17.9 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.495 min Scan# 3155

Delta R.T. 0.012 min

Lab File: BP024981.D

Acq: 17 Jun 2025 18:48

Instrument :

BNA_P

ClientSampleId :

WBR-1

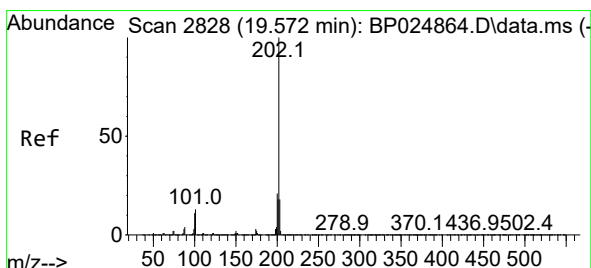
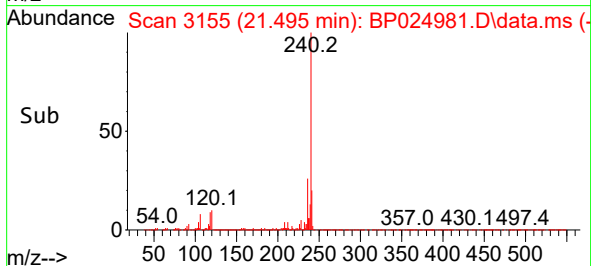
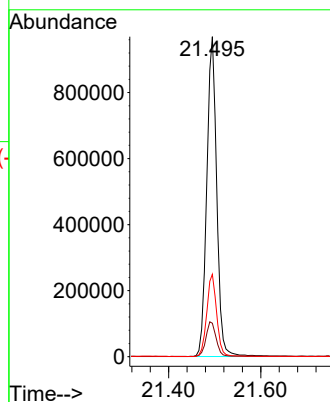
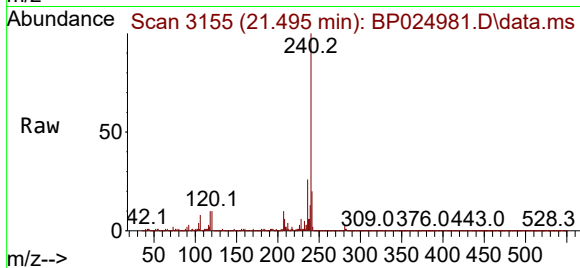
Tgt Ion:240 Resp: 1468549

Ion Ratio Lower Upper

240 100

120 10.5 8.9 13.3

236 25.8 20.9 31.3



#78

Pyrene

Concen: 9.208 ng

RT: 19.566 min Scan# 2827

Delta R.T. -0.006 min

Lab File: BP024981.D

Acq: 17 Jun 2025 18:48

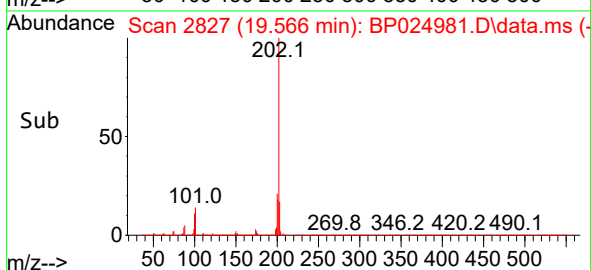
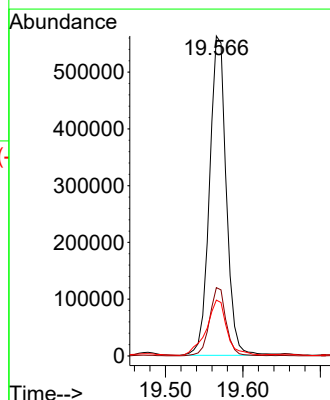
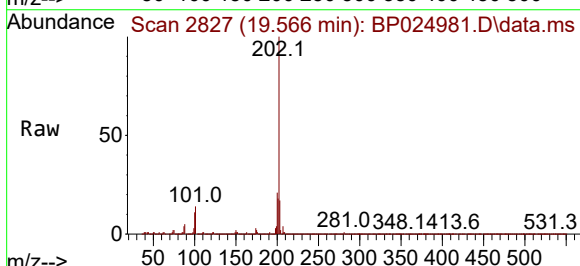
Tgt Ion:202 Resp: 844796

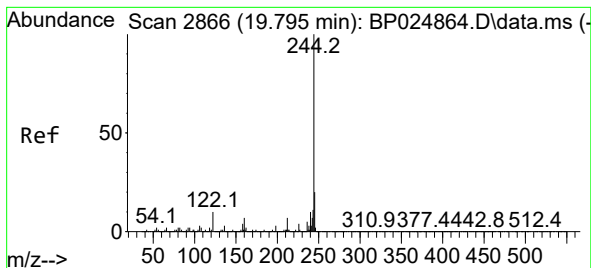
Ion Ratio Lower Upper

202 100

200 21.3 17.1 25.7

203 17.5 14.0 21.0





#79

Terphenyl-d14

Concen: 45.122 ng

RT: 19.783 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP024981.D

Acq: 17 Jun 2025 18:48

Instrument :

BNA_P

ClientSampleId :

WBR-1

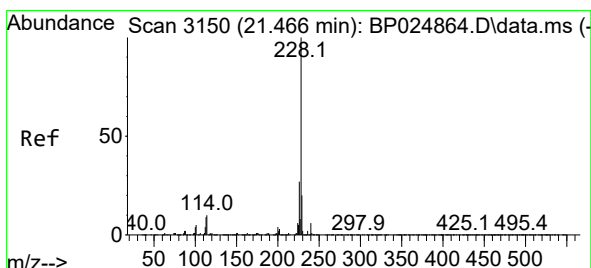
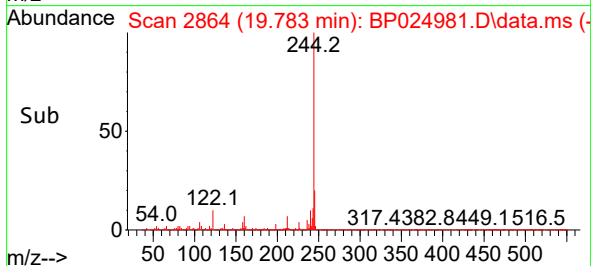
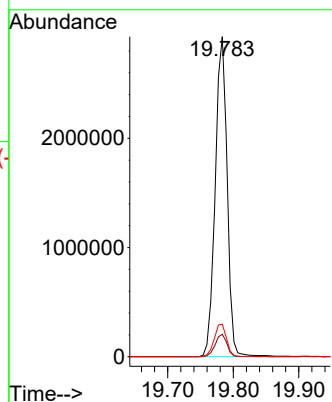
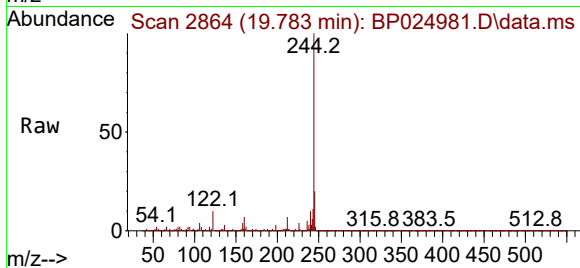
Tgt Ion:244 Resp: 3697220

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 10.2 7.7 11.5



#81

Benzo(a)anthracene

Concen: 5.204 ng

RT: 21.471 min Scan# 3151

Delta R.T. 0.006 min

Lab File: BP024981.D

Acq: 17 Jun 2025 18:48

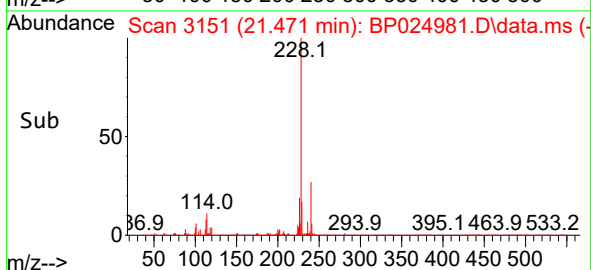
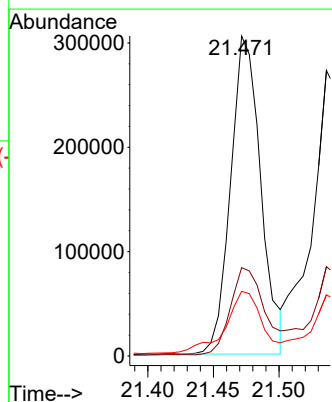
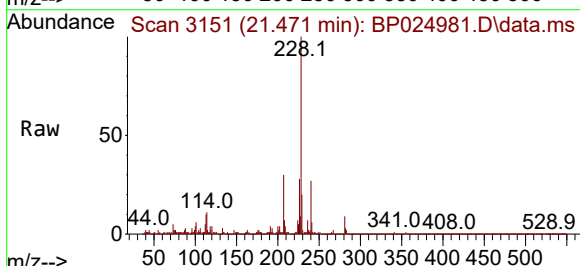
Tgt Ion:228 Resp: 488779

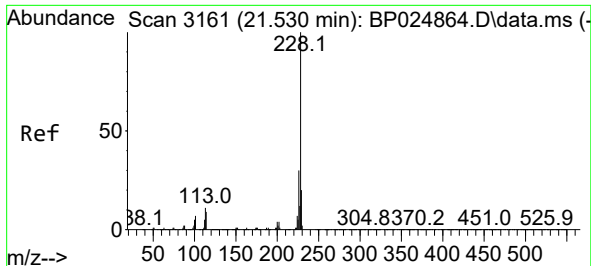
Ion Ratio Lower Upper

228 100

226 27.6 22.1 33.1

229 20.2 15.9 23.9

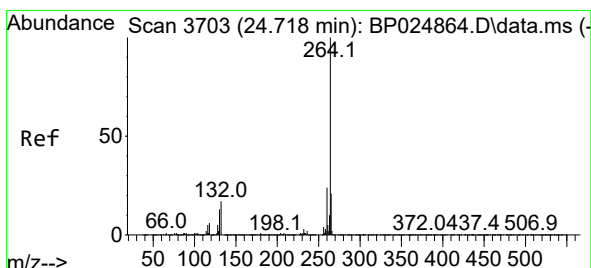
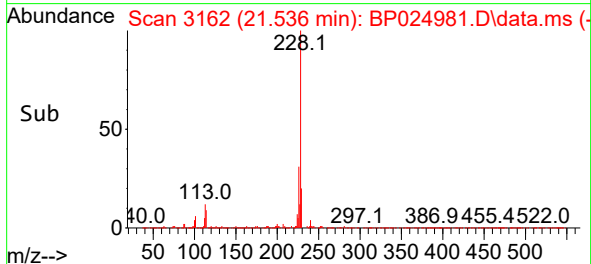
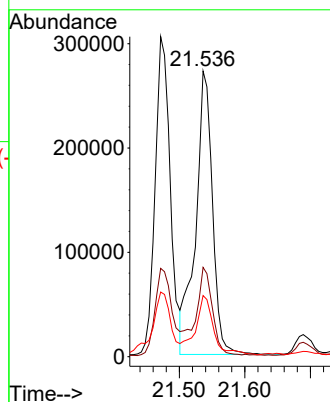
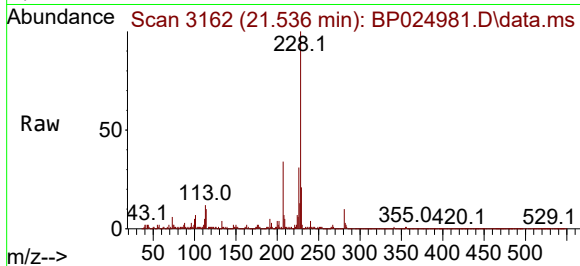




#83
Chrysene
Concen: 5.461 ng
RT: 21.536 min Scan# 3161
Delta R.T. 0.006 min
Lab File: BP024981.D
Acq: 17 Jun 2025 18:48

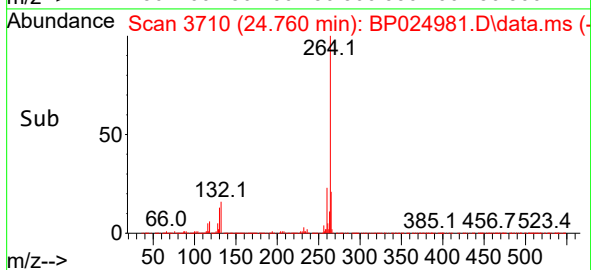
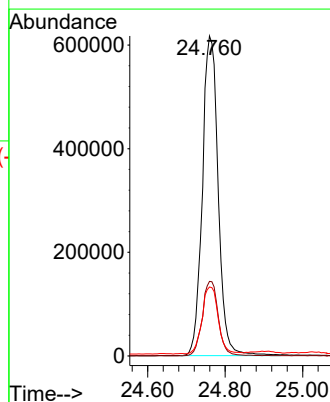
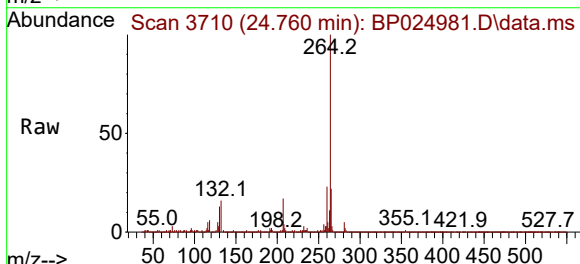
Instrument :
BNA_P
ClientSampleId :
WBR-1

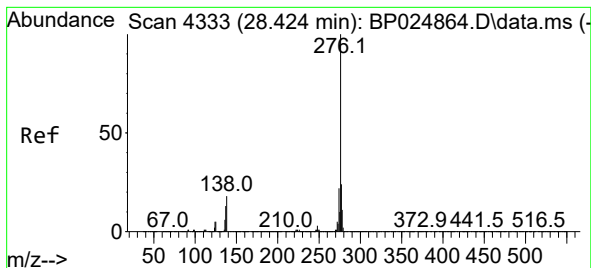
Tgt Ion:228 Resp: 486030
Ion Ratio Lower Upper
228 100
226 31.3 23.8 35.6
229 21.4 15.6 23.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.760 min Scan# 3710
Delta R.T. 0.041 min
Lab File: BP024981.D
Acq: 17 Jun 2025 18:48

Tgt Ion:264 Resp: 1750596
Ion Ratio Lower Upper
264 100
260 23.3 19.0 28.4
265 21.6 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.313 ng

RT: 28.495 min Scan# 41

Delta R.T. 0.070 min

Lab File: BP024981.D

Acq: 17 Jun 2025 18:48

Instrument :

BNA_P

ClientSampleId :

WBR-1

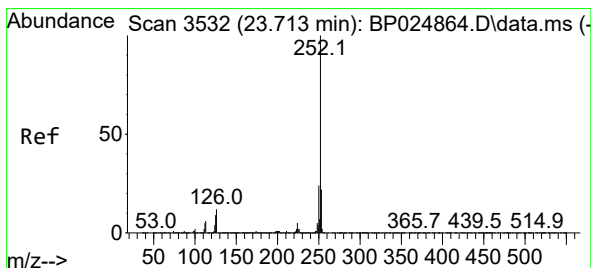
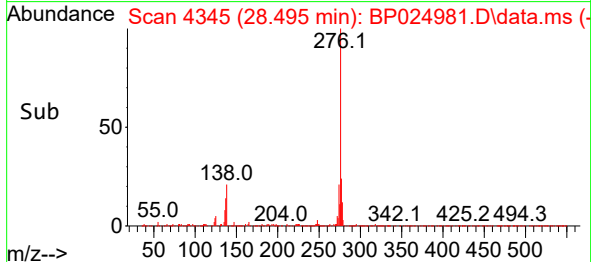
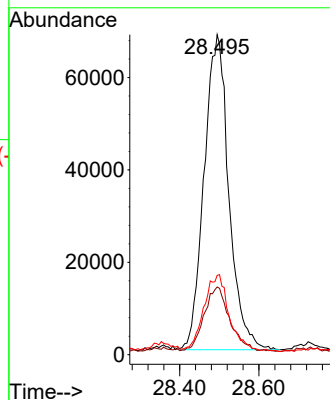
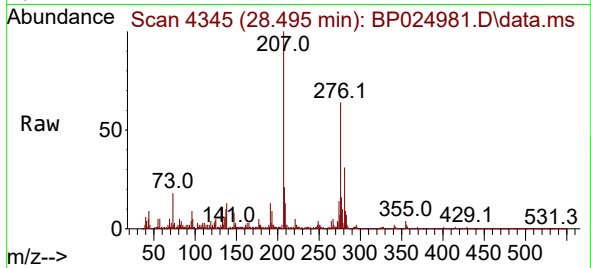
Tgt Ion:276 Resp: 295371

Ion Ratio Lower Upper

276 100

138 20.7 18.6 27.8

277 23.8 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 5.934 ng

RT: 23.742 min Scan# 3537

Delta R.T. 0.029 min

Lab File: BP024981.D

Acq: 17 Jun 2025 18:48

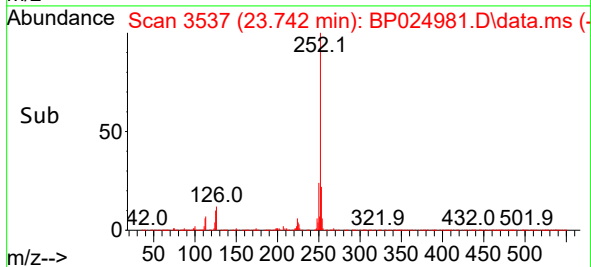
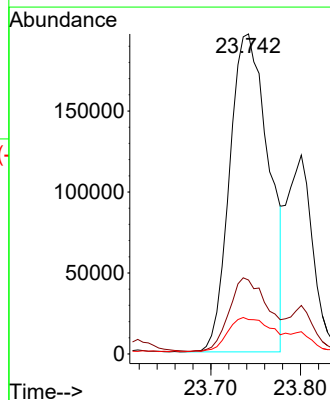
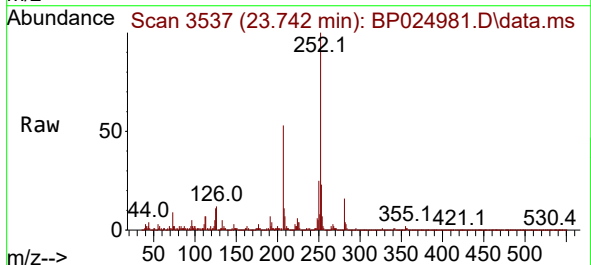
Tgt Ion:252 Resp: 594538

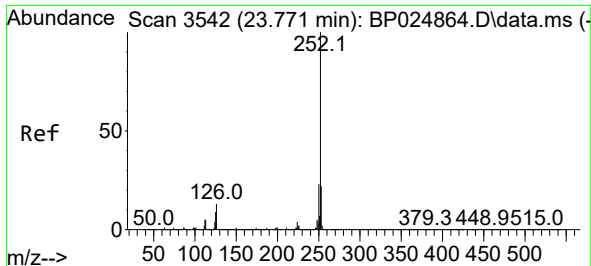
Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

125 10.8 7.1 10.7#

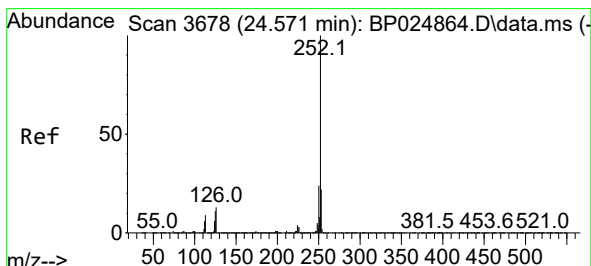
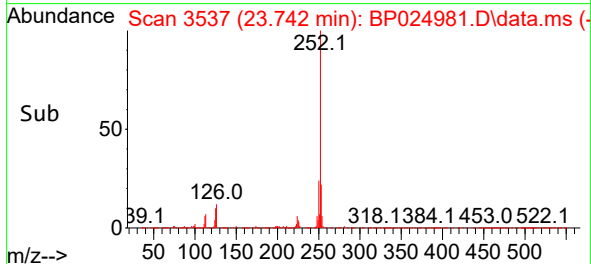
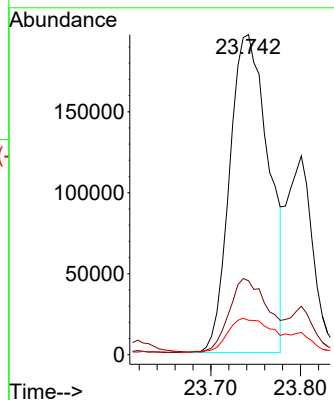
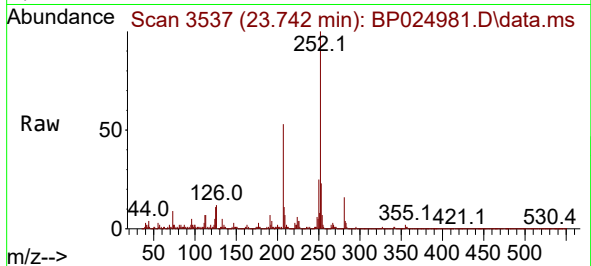




#89
Benzo(k)fluoranthene
Concen: 5.830 ng
RT: 23.742 min Scan# 3537
Delta R.T. -0.030 min
Lab File: BP024981.D
Acq: 17 Jun 2025 18:48

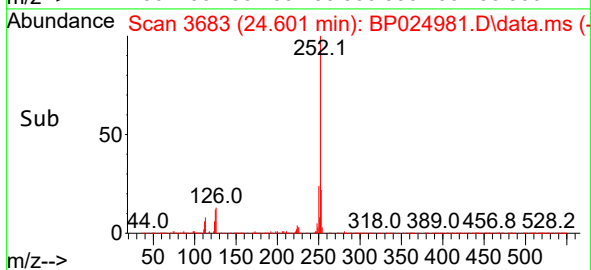
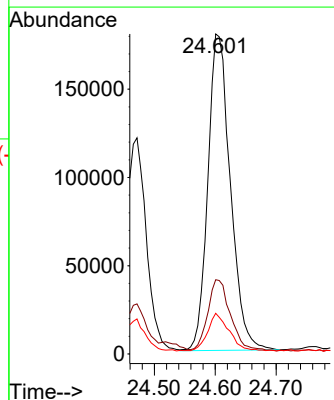
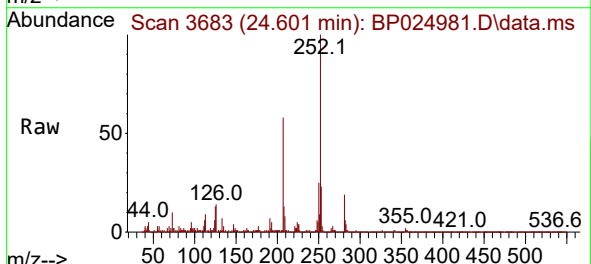
Instrument :
BNA_P
ClientSampleId :
WBR-1

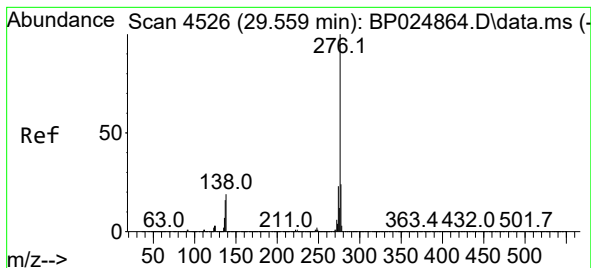
Tgt Ion:252 Resp: 594538
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 10.8 7.4 11.0



#90
Benzo(a)pyrene
Concen: 4.708 ng
RT: 24.601 min Scan# 3683
Delta R.T. 0.029 min
Lab File: BP024981.D
Acq: 17 Jun 2025 18:48

Tgt Ion:252 Resp: 460609
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 12.7 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 2.735 ng

RT: 29.636 min Scan# 4

Delta R.T. 0.076 min

Lab File: BP024981.D

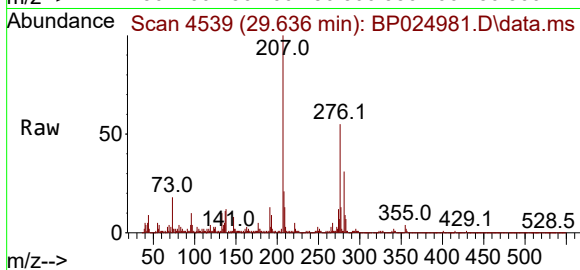
Acq: 17 Jun 2025 18:48

Instrument :

BNA_P

ClientSampleId :

WBR-1



Tgt Ion:276 Resp: 282120

Ion Ratio Lower Upper

276 100

277 23.8 19.1 28.7

138 22.0 15.4 23.2

