

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
 Data File : BP024899.D
 Acq On : 10 Jun 2025 18:30
 Operator : RC/JU
 Sample : Q2177-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B-202-SB01

Quant Time: Jun 11 02:04:38 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)

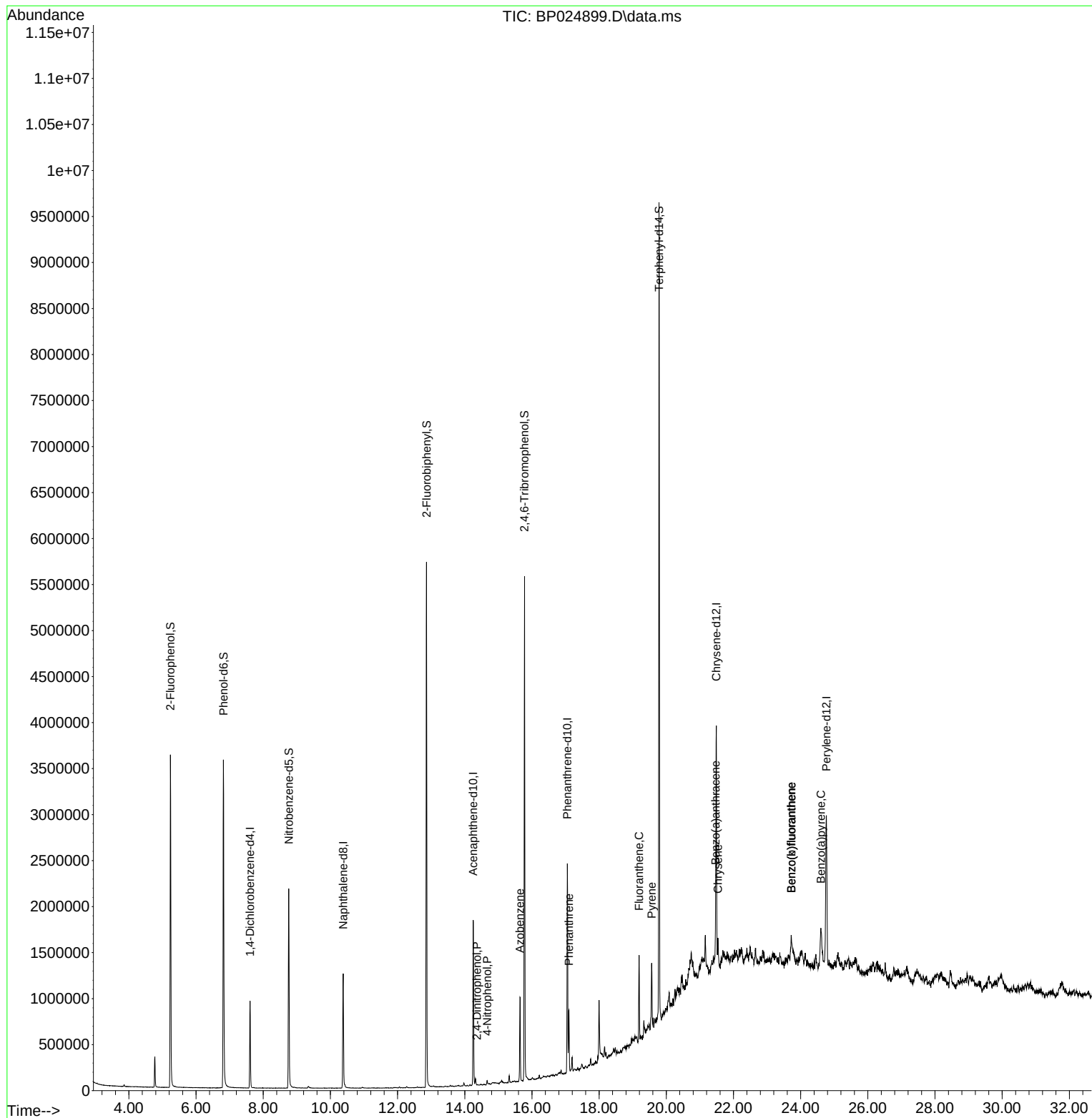
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	258806	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	1052781	20.000	ng	0.00
39) Acenaphthene-d10	14.248	164	660296	20.000	ng	0.00
64) Phenanthrene-d10	17.054	188	1279796	20.000	ng	0.00
76) Chrysene-d12	21.489	240	1406584	20.000	ng	0.00
86) Perylene-d12	24.766	264	1730554	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.237	112	1661528	107.162	ng	0.00
7) Phenol-d6	6.814	99	2195717	107.033	ng	0.00
23) Nitrobenzene-d5	8.761	82	1311010	60.512	ng	0.00
42) 2,4,6-Tribromophenol	15.778	330	1028434	112.656	ng	0.00
45) 2-Fluorobiphenyl	12.860	172	2824048	57.616	ng	0.00
79) Terphenyl-d14	19.783	244	4388776	55.921	ng	-0.01
Target Compounds						
						Qvalue
54) 2,4-Dinitrophenol	14.360	184	61	5.572	ng	# 1
56) 4-Nitrophenol	14.666	139	13216	6.745	ng	# 19
63) Azobenzene	15.642	77	265247	5.958	ng	# 1
71) Phenanthrene	17.101	178	412561	5.833	ng	99
75) Fluoranthene	19.189	202	521508	6.362	ng	98
78) Pyrene	19.566	202	507574	5.776	ng	98
81) Benzo(a)anthracene	21.466	228	212605	2.363	ng	95
83) Chrysene	21.536	228	192788	2.262	ng	# 93
88) Benzo(b)fluoranthene	23.724	252	251939	2.544	ng	# 83
89) Benzo(k)fluoranthene	23.724	252	251939	2.499	ng	# 84
90) Benzo(a)pyrene	24.601	252	216412	2.237	ng	# 87

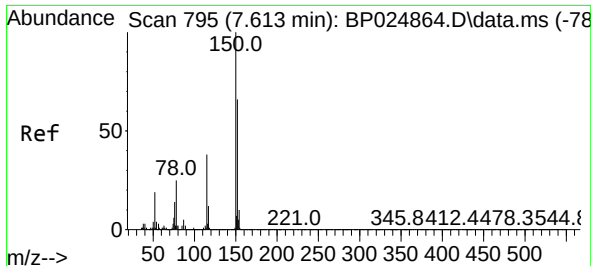
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024899.D
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Operator : RC/JU
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Misc :
ALS Vial : 13 Sample Multiplier: 1

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Quant Time: Jun 11 02:04:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
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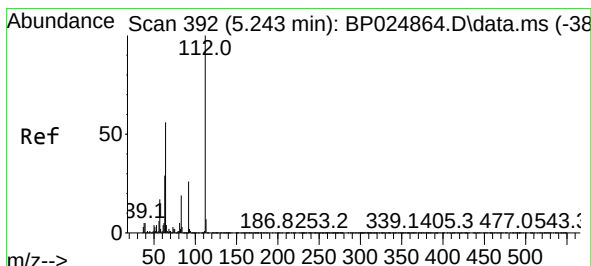
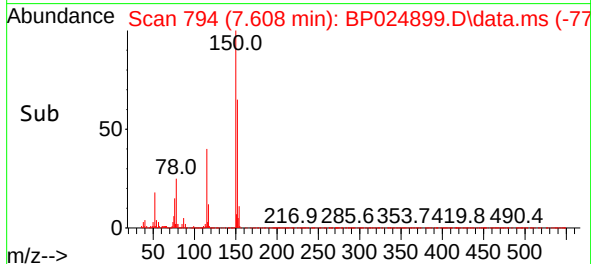
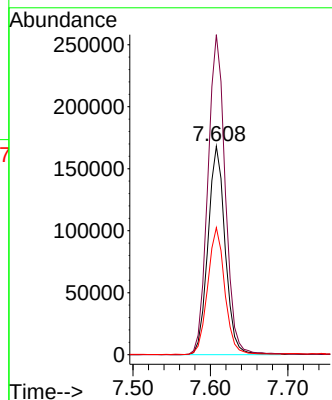
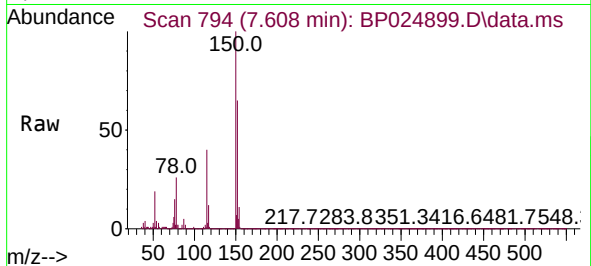




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 795
Delta R.T. -0.005 min
Lab File: BP024899.D
Acq: 10 Jun 2025 18:30

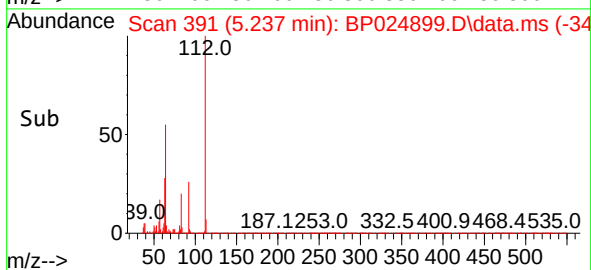
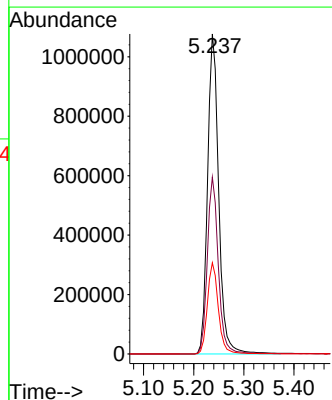
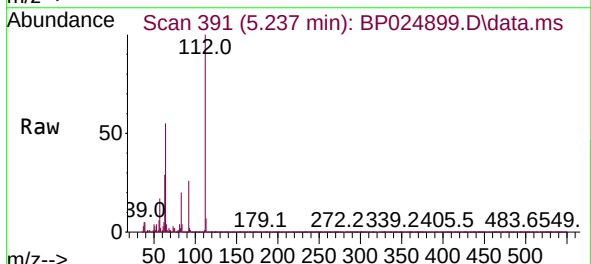
Instrument :
BNA_P
ClientSampleId :
B-202-SB01

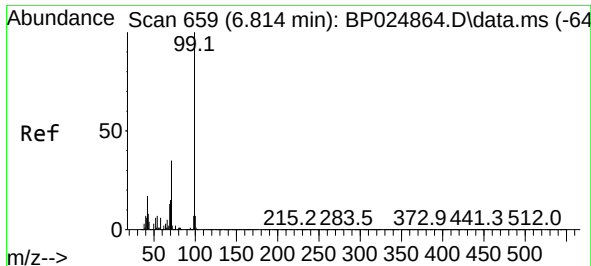
Tgt Ion:152 Resp: 258806
Ion Ratio Lower Upper
152 100
150 153.5 122.1 183.1
115 61.0 46.4 69.6



#5
2-Fluorophenol
Concen: 107.162 ng
RT: 5.237 min Scan# 391
Delta R.T. -0.006 min
Lab File: BP024899.D
Acq: 10 Jun 2025 18:30

Tgt Ion:112 Resp: 1661528
Ion Ratio Lower Upper
112 100
64 55.3 44.7 67.1
63 28.5 23.5 35.3

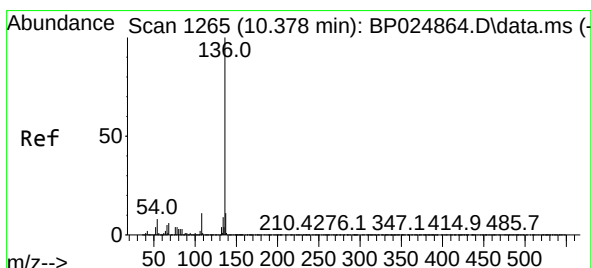
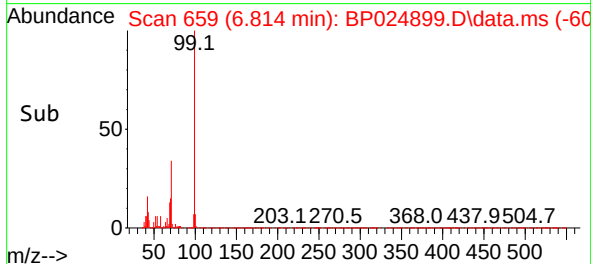
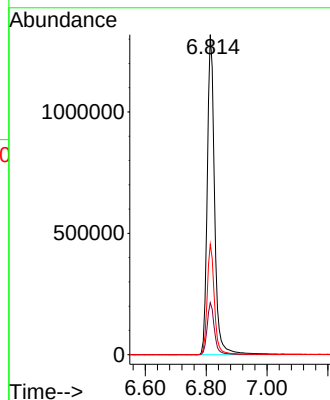
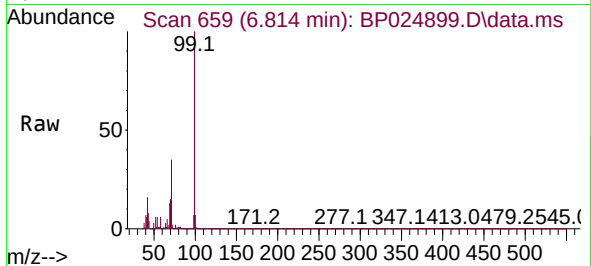




#7
Phenol-d6
Concen: 107.033 ng
RT: 6.814 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP024899.D
Acq: 10 Jun 2025 18:30

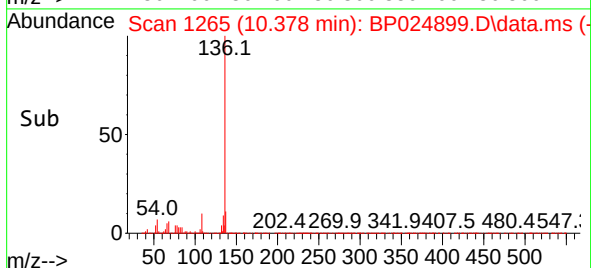
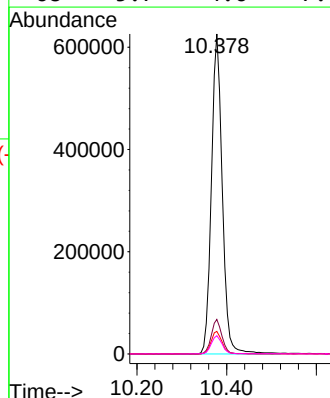
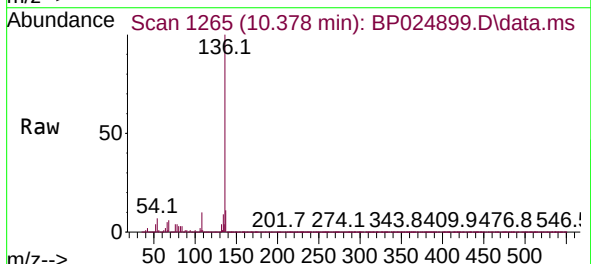
Instrument :
BNA_P
ClientSampleId :
B-202-SB01

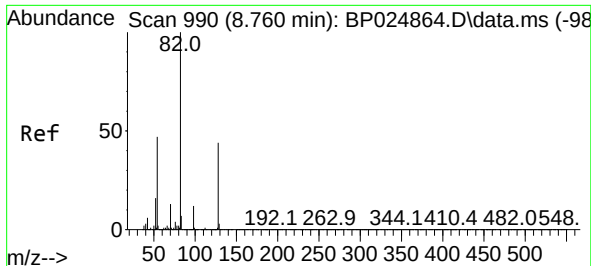
Tgt Ion: 99 Resp: 2195717
Ion Ratio Lower Upper
99 100
42 16.2 13.4 20.2
71 34.5 27.6 41.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BP024899.D
Acq: 10 Jun 2025 18:30

Tgt Ion:136 Resp: 1052781
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 7.1 6.1 9.1
68 5.7 4.6 7.0

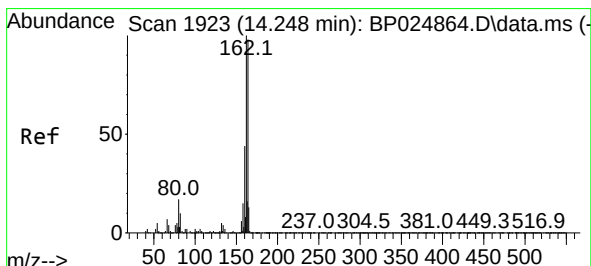
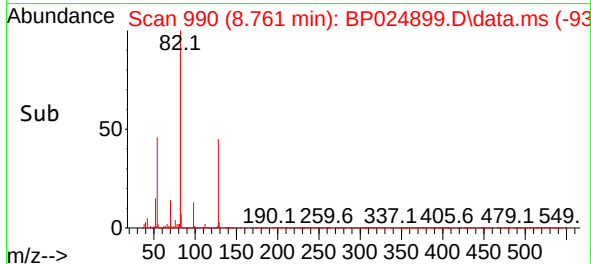
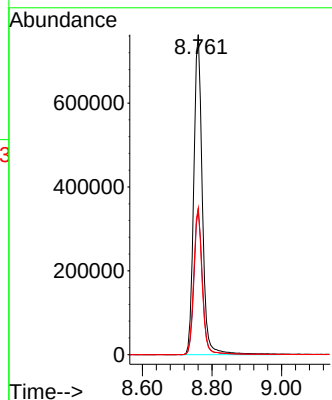
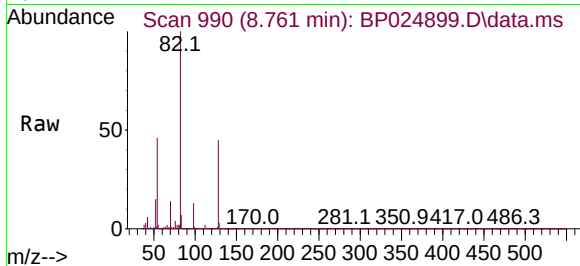




#23
Nitrobenzene-d5
Concen: 60.512 ng
RT: 8.761 min Scan# 990
Delta R.T. 0.000 min
Lab File: BP024899.D
Acq: 10 Jun 2025 18:30

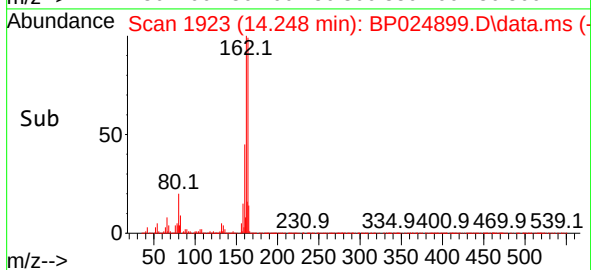
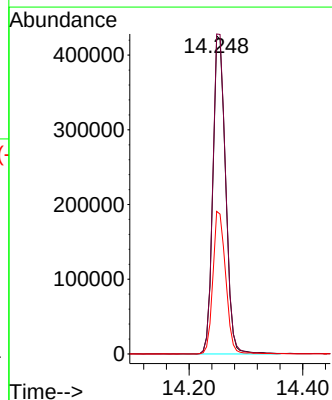
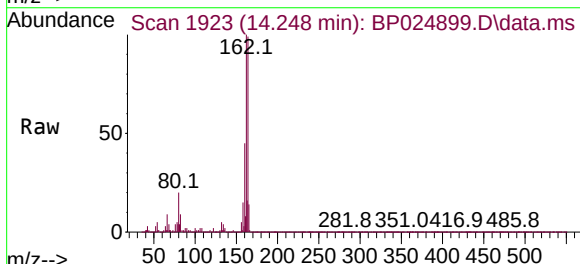
Instrument :
BNA_P
ClientSampleId :
B-202-SB01

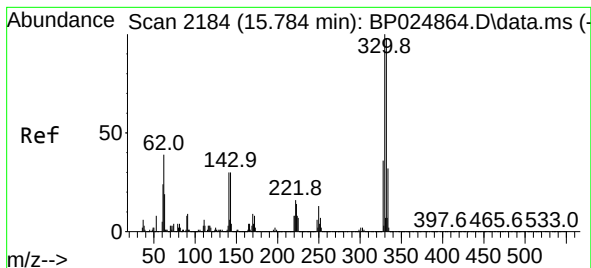
Tgt Ion: 82 Resp: 1311010
Ion Ratio Lower Upper
82 100
128 45.2 35.3 52.9
54 45.9 37.4 56.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.248 min Scan# 1923
Delta R.T. 0.000 min
Lab File: BP024899.D
Acq: 10 Jun 2025 18:30

Tgt Ion:164 Resp: 660296
Ion Ratio Lower Upper
164 100
162 100.6 81.6 122.4
160 44.9 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 112.656 ng

RT: 15.778 min Scan# 2184

Delta R.T. -0.006 min

Lab File: BP024899.D

Acq: 10 Jun 2025 18:30

Instrument :

BNA_P

ClientSampleId :

B-202-SB01

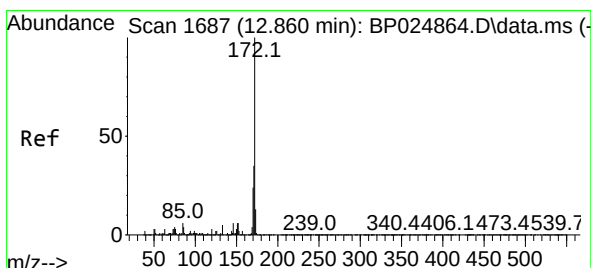
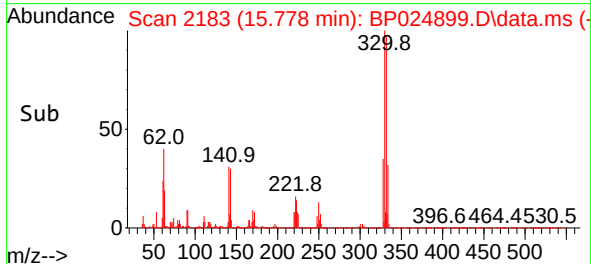
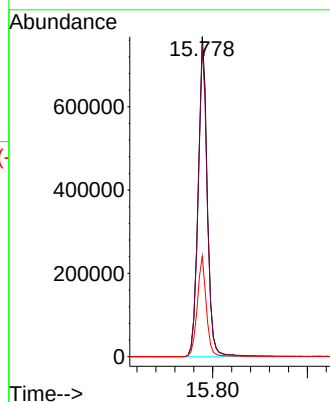
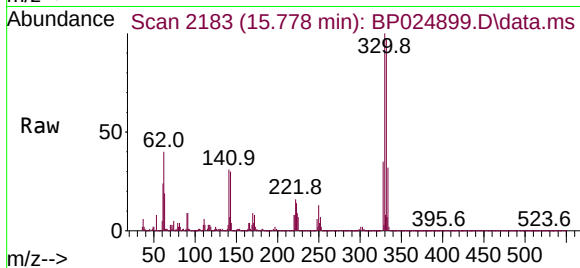
Tgt Ion:330 Resp: 1028434

Ion Ratio Lower Upper

330 100

332 97.5 77.7 116.5

141 30.9 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 57.616 ng

RT: 12.860 min Scan# 1687

Delta R.T. 0.000 min

Lab File: BP024899.D

Acq: 10 Jun 2025 18:30

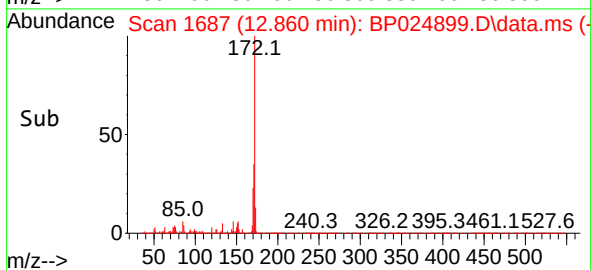
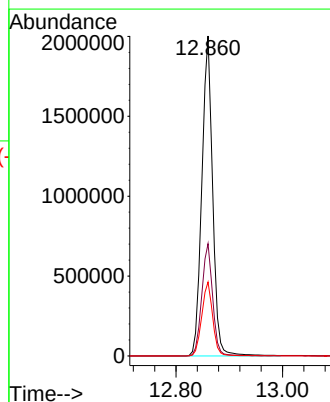
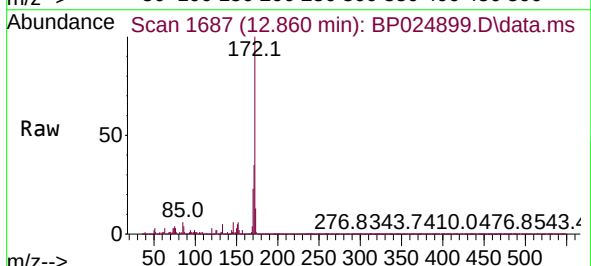
Tgt Ion:172 Resp: 2824048

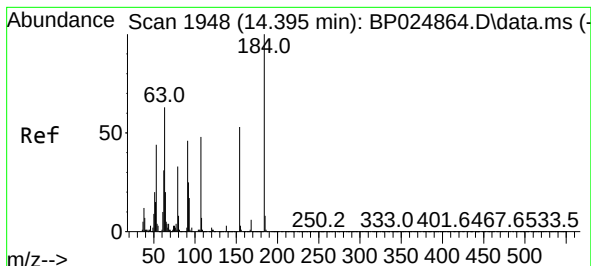
Ion Ratio Lower Upper

172 100

171 35.1 28.3 42.5

170 23.1 19.0 28.4

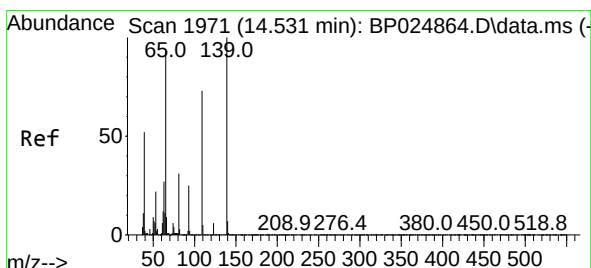
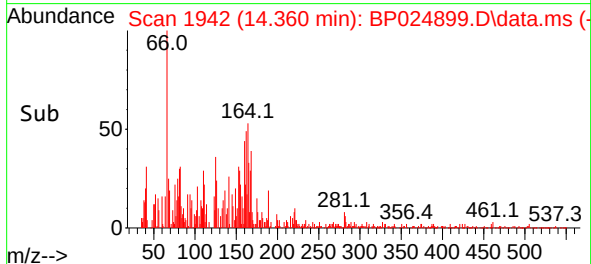
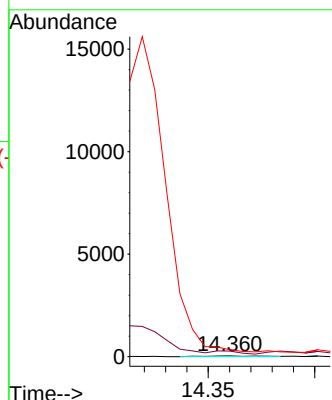
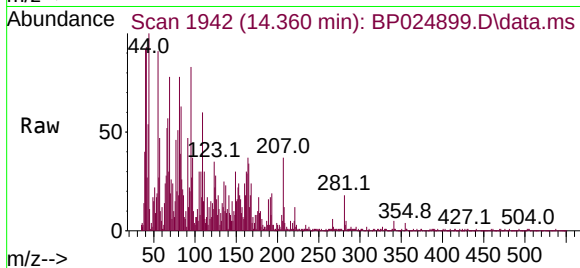




#54
2,4-Dinitrophenol
Concen: 5.572 ng
RT: 14.360 min Scan# 1942
Delta R.T. -0.035 min
Lab File: BP024899.D
Acq: 10 Jun 2025 18:30

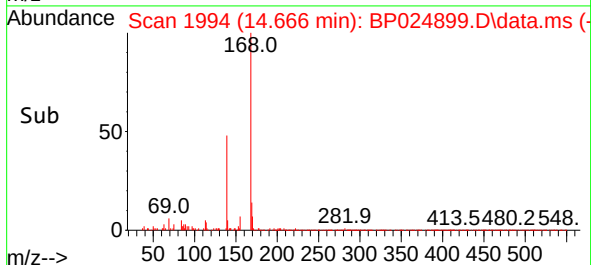
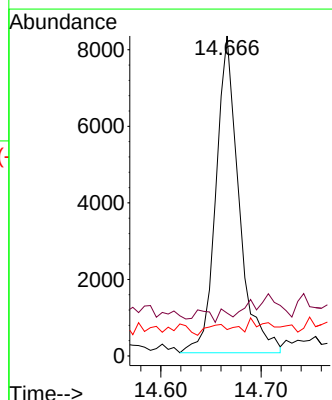
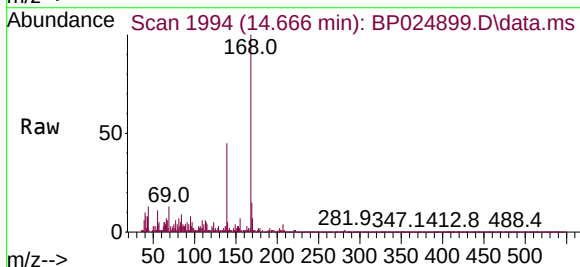
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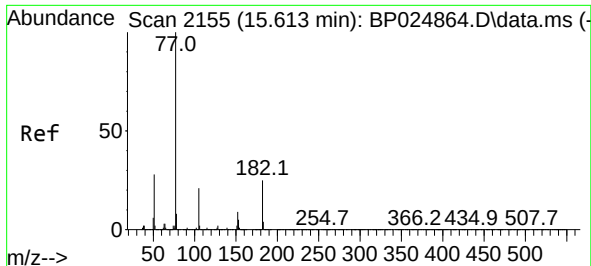
Tgt Ion:184 Resp: 61
Ion Ratio Lower Upper
184 100
63 761.1 51.0 76.4#
154 941.7 51.7 77.5#



#56
4-Nitrophenol
Concen: 6.745 ng
RT: 14.666 min Scan# 1994
Delta R.T. 0.135 min
Lab File: BP024899.D
Acq: 10 Jun 2025 18:30

Tgt Ion:139 Resp: 13216
Ion Ratio Lower Upper
139 100
109 13.4 53.1 93.1#
65 8.2 73.0 113.0#

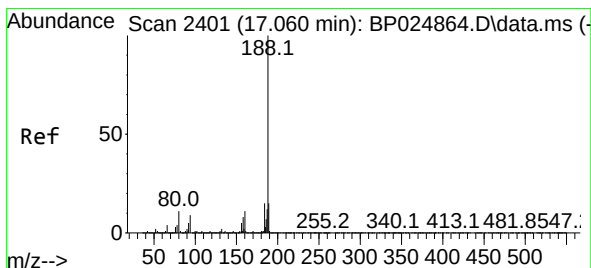
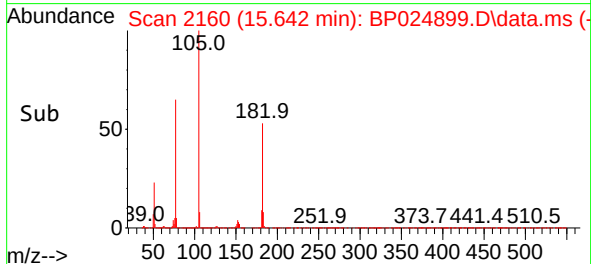
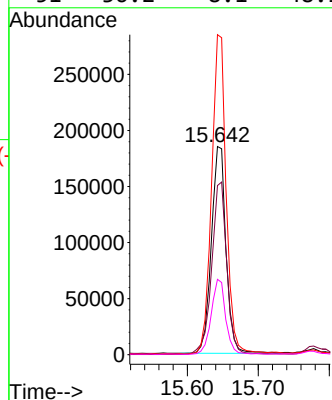
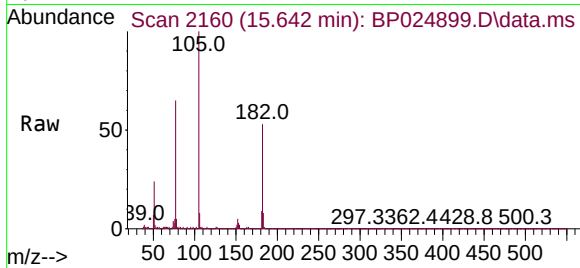




#63
Azobenzene
Concen: 5.958 ng
RT: 15.642 min Scan# 2155
Delta R.T. 0.029 min
Lab File: BP024899.D
Acq: 10 Jun 2025 18:30

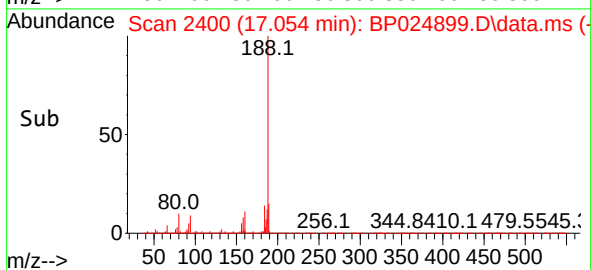
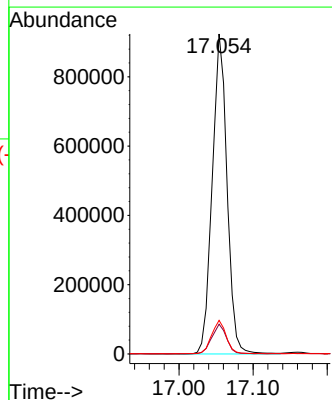
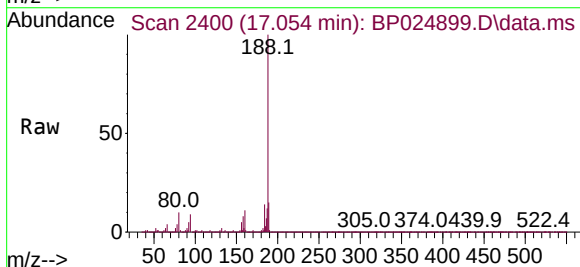
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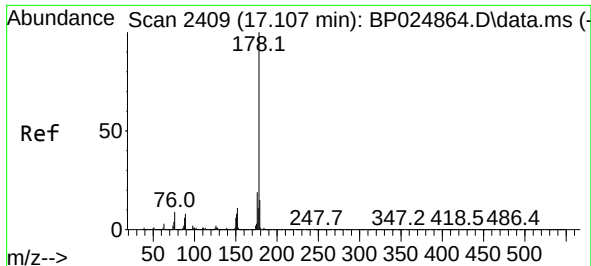
Tgt Ion: 77 Resp: 265247
Ion Ratio Lower Upper
77 100
182 81.3 5.4 45.4#
105 153.7 0.8 40.8#
51 36.2 8.1 48.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.054 min Scan# 2400
Delta R.T. -0.006 min
Lab File: BP024899.D
Acq: 10 Jun 2025 18:30

Tgt Ion: 188 Resp: 1279796
Ion Ratio Lower Upper
188 100
94 9.3 7.3 10.9
80 10.5 8.5 12.7

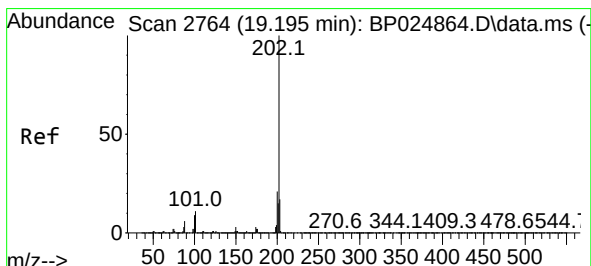
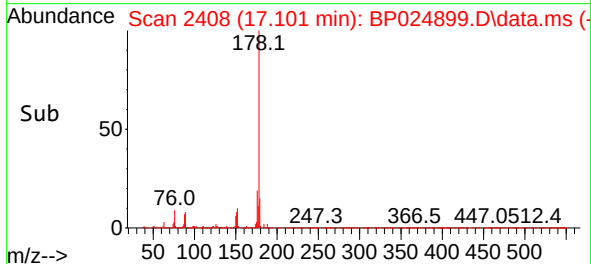
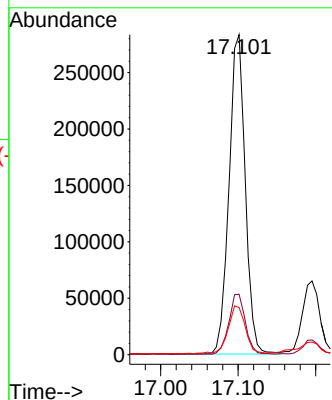
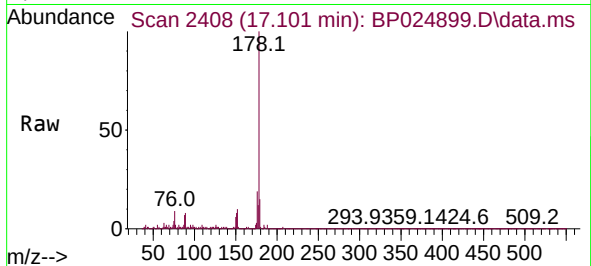




#71
Phenanthrene
Concen: 5.833 ng
RT: 17.101 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BP024899.D
Acq: 10 Jun 2025 18:30

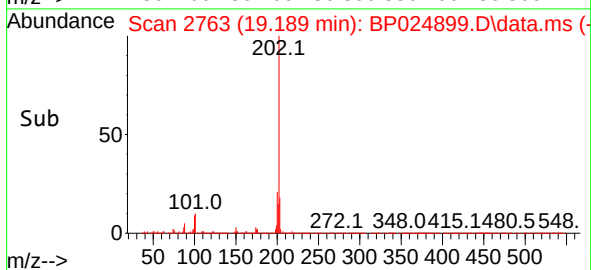
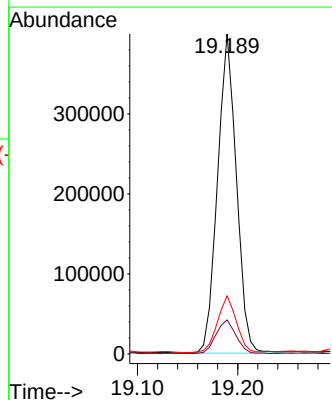
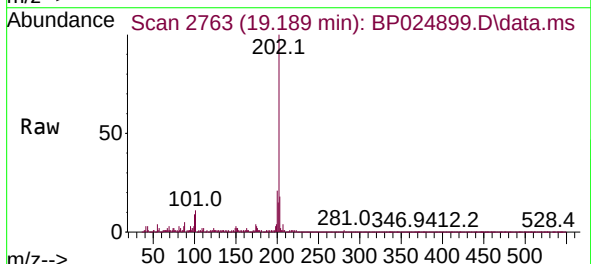
Instrument :
BNA_P
ClientSampleId :
B-202-SB01

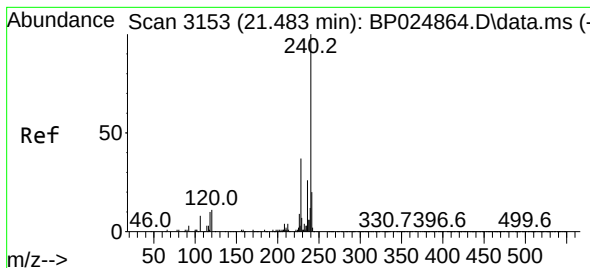
Tgt Ion:178 Resp: 412561
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 14.8 12.1 18.1



#75
Fluoranthene
Concen: 6.362 ng
RT: 19.189 min Scan# 2763
Delta R.T. -0.006 min
Lab File: BP024899.D
Acq: 10 Jun 2025 18:30

Tgt Ion:202 Resp: 521508
Ion Ratio Lower Upper
202 100
101 10.7 0.0 31.4
203 18.2 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.489 min Scan# 3154

Delta R.T. 0.006 min

Lab File: BP024899.D

Acq: 10 Jun 2025 18:30

Instrument :

BNA_P

ClientSampleId :

B-202-SB01

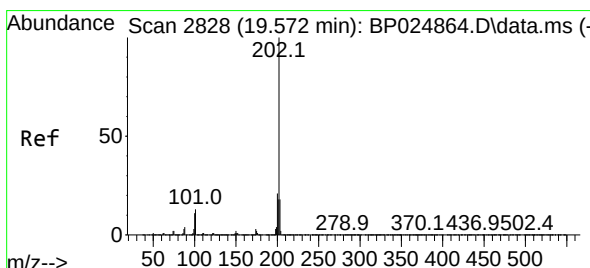
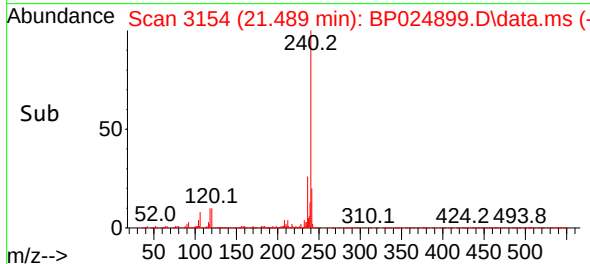
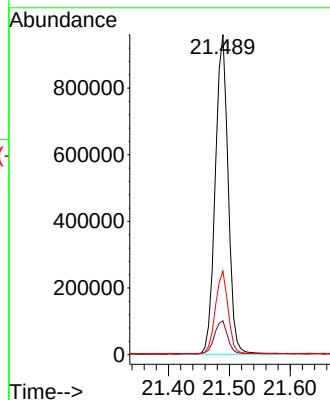
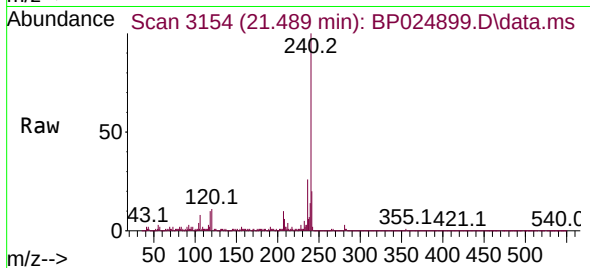
Tgt Ion:240 Resp: 1406584

Ion Ratio Lower Upper

240 100

120 10.6 8.9 13.3

236 26.1 20.9 31.3



#78

Pyrene

Concen: 5.776 ng

RT: 19.566 min Scan# 2827

Delta R.T. -0.006 min

Lab File: BP024899.D

Acq: 10 Jun 2025 18:30

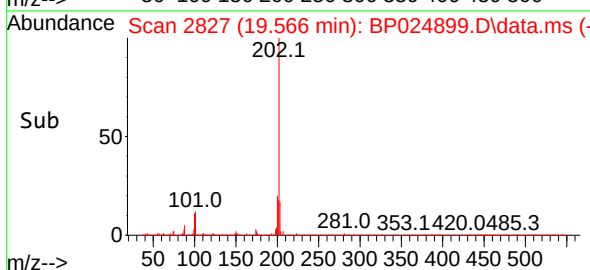
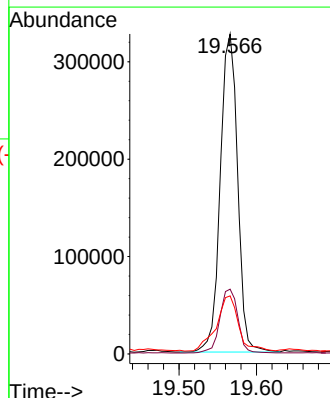
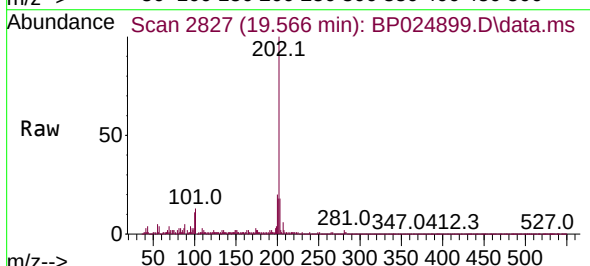
Tgt Ion:202 Resp: 507574

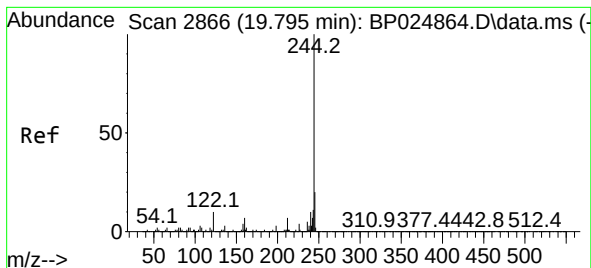
Ion Ratio Lower Upper

202 100

200 20.3 17.1 25.7

203 18.1 14.0 21.0





#79

Terphenyl-d14

Concen: 55.921 ng

RT: 19.783 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP024899.D

Acq: 10 Jun 2025 18:30

Instrument :

BNA_P

ClientSampleId :

B-202-SB01

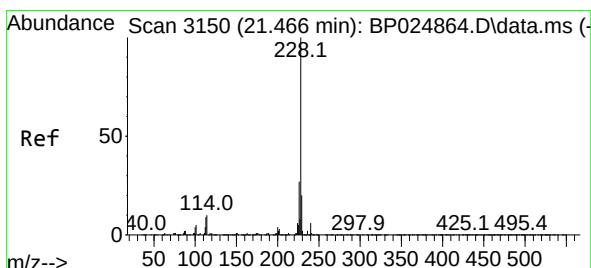
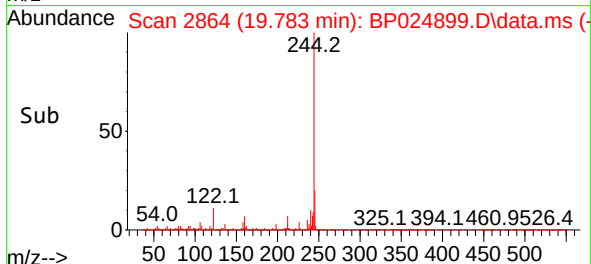
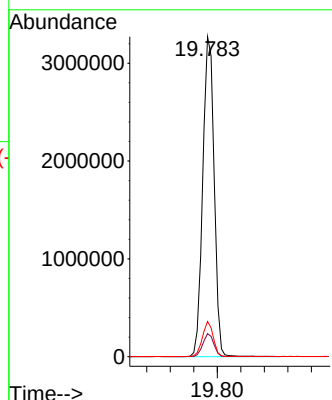
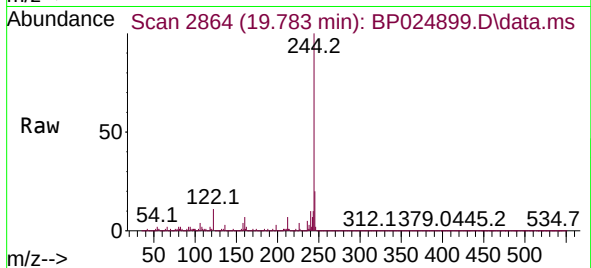
Tgt Ion:244 Resp: 4388776

Ion Ratio Lower Upper

244 100

212 7.2 5.6 8.4

122 11.0 7.7 11.5



#81

Benzo(a)anthracene

Concen: 2.363 ng

RT: 21.466 min Scan# 3150

Delta R.T. 0.000 min

Lab File: BP024899.D

Acq: 10 Jun 2025 18:30

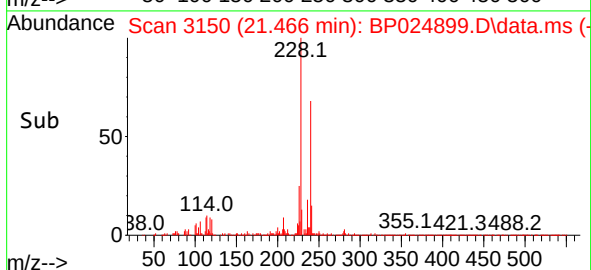
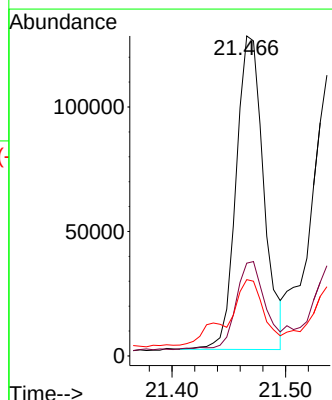
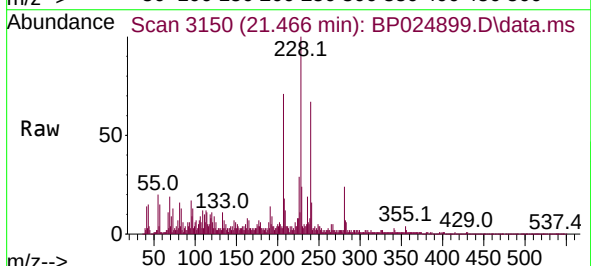
Tgt Ion:228 Resp: 212605

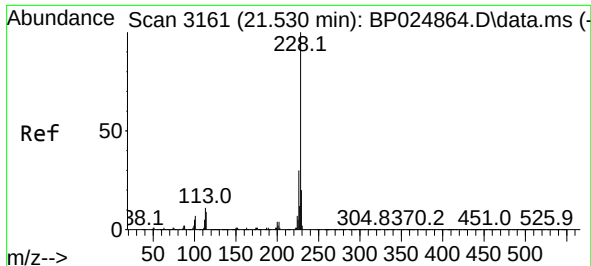
Ion Ratio Lower Upper

228 100

226 29.0 22.1 33.1

229 23.9 15.9 23.9

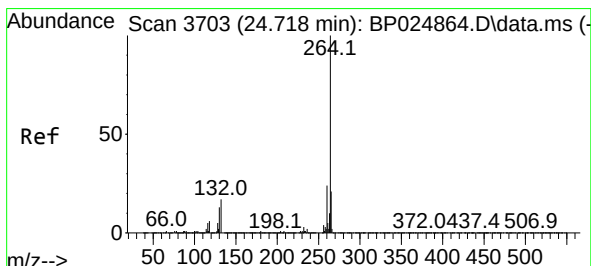
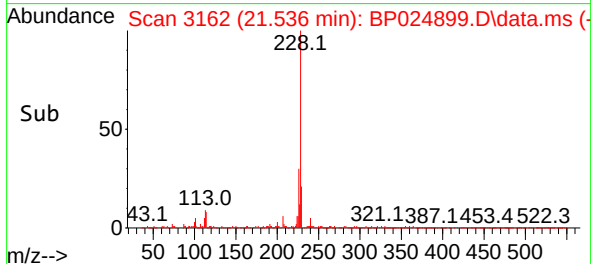
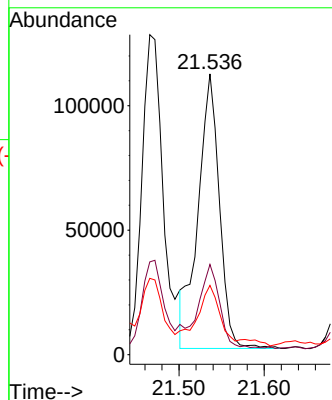
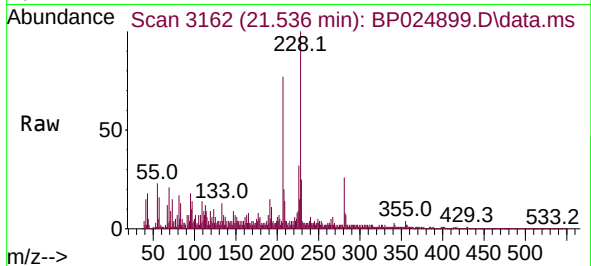




#83
Chrysene
Concen: 2.262 ng
RT: 21.536 min Scan# 3161
Delta R.T. 0.006 min
Lab File: BP024899.D
Acq: 10 Jun 2025 18:30

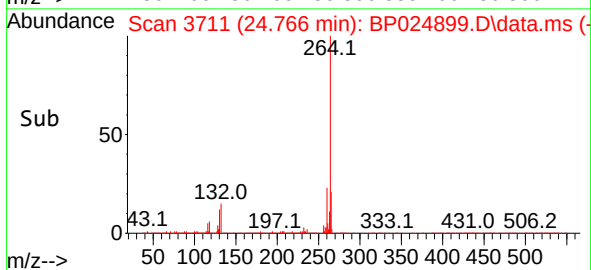
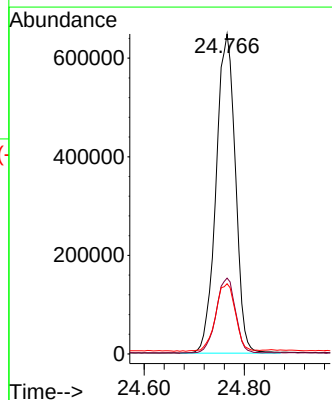
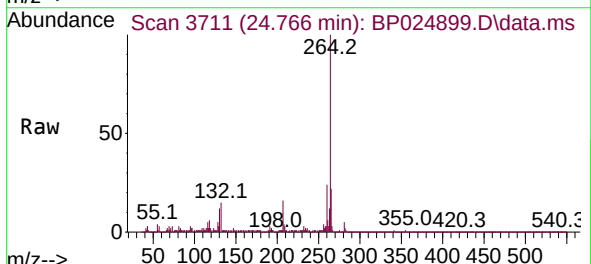
Instrument :
BNA_P
ClientSampleId :
B-202-SB01

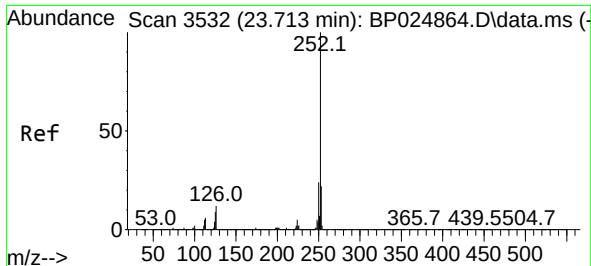
Tgt Ion:228 Resp: 192788
Ion Ratio Lower Upper
228 100
226 32.2 23.8 35.6
229 24.7 15.6 23.4#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.766 min Scan# 3711
Delta R.T. 0.047 min
Lab File: BP024899.D
Acq: 10 Jun 2025 18:30

Tgt Ion:264 Resp: 1730554
Ion Ratio Lower Upper
264 100
260 23.7 19.0 28.4
265 22.0 17.4 26.0

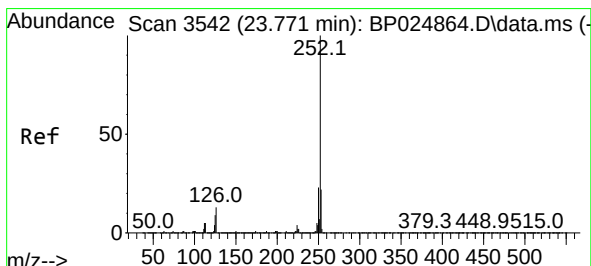
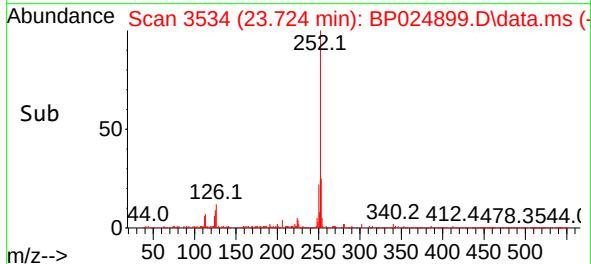
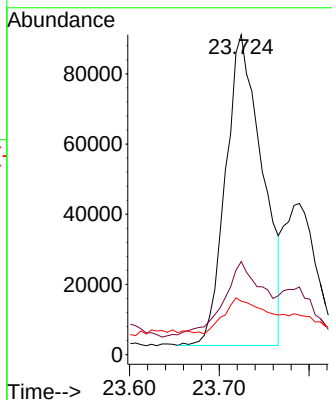
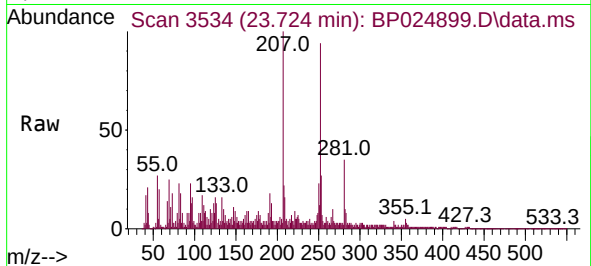




#88
Benzo(b)fluoranthene
Concen: 2.544 ng
RT: 23.724 min Scan# 3534
Delta R.T. 0.012 min
Lab File: BP024899.D
Acq: 10 Jun 2025 18:30

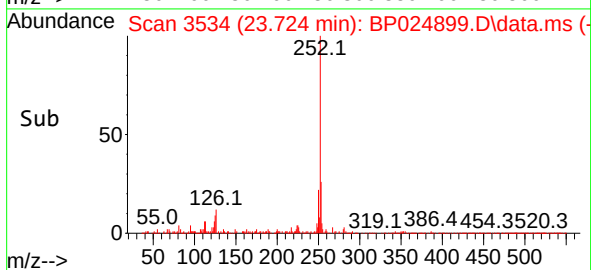
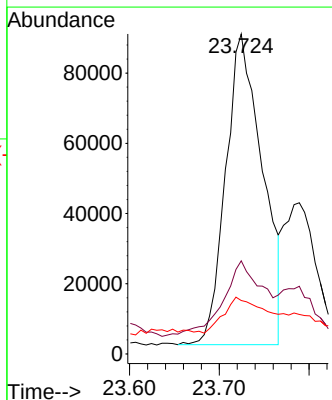
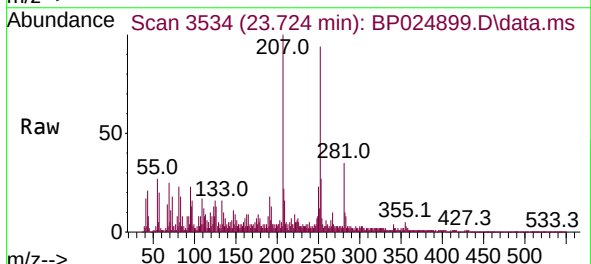
Instrument :
BNA_P
ClientSampleId :
B-202-SB01

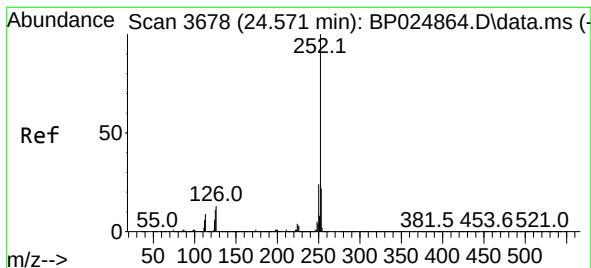
Tgt Ion:252 Resp: 251939
Ion Ratio Lower Upper
252 100
253 29.1 17.6 26.4#
125 16.7 7.1 10.7#



#89
Benzo(k)fluoranthene
Concen: 2.499 ng
RT: 23.724 min Scan# 3534
Delta R.T. -0.047 min
Lab File: BP024899.D
Acq: 10 Jun 2025 18:30

Tgt Ion:252 Resp: 251939
Ion Ratio Lower Upper
252 100
253 29.1 17.7 26.5#
125 16.7 7.4 11.0#





#90

Benzo(a)pyrene

Concen: 2.237 ng

RT: 24.601 min Scan# 30

Delta R.T. 0.029 min

Lab File: BP024899.D

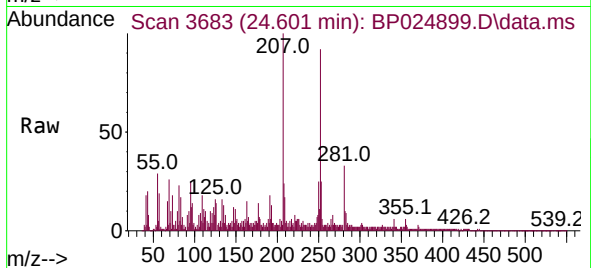
Acq: 10 Jun 2025 18:30

Instrument :

BNA_P

ClientSampleId :

B-202-SB01



Tgt Ion:252 Resp: 216412

Ion Ratio Lower Upper

252 100

253 27.6 17.5 26.3#

125 17.0 8.8 13.2#

