

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
 Data File : BP024901.D
 Acq On : 10 Jun 2025 19:51
 Operator : RC/JU
 Sample : Q2176-04 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-26

Quant Time: Jun 11 02:05:32 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)

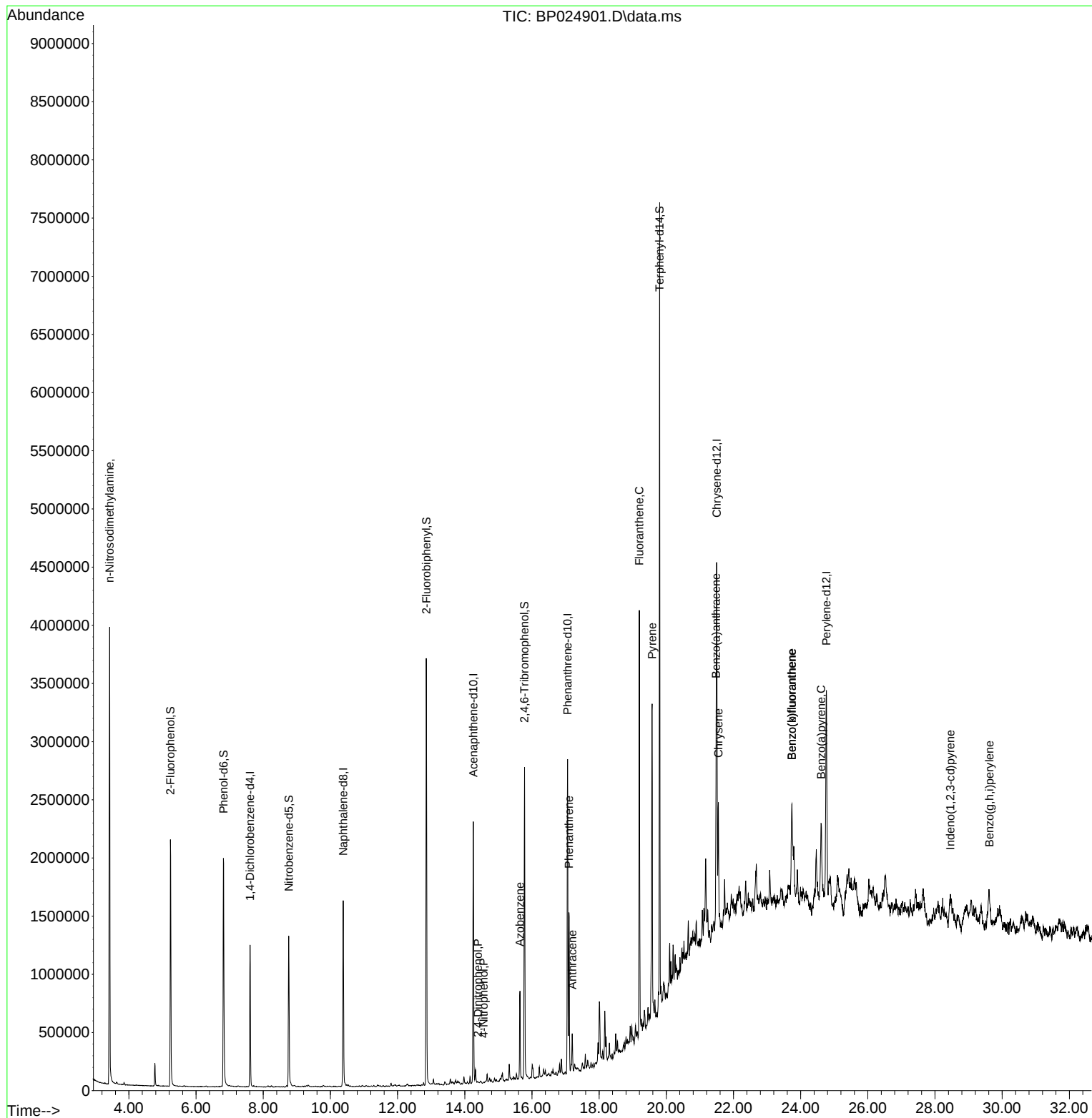
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	331428	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	1353167	20.000	ng	0.00
39) Acenaphthene-d10	14.254	164	851560	20.000	ng	0.00
64) Phenanthrene-d10	17.060	188	1568912	20.000	ng	0.00
76) Chrysene-d12	21.501	240	1528631	20.000	ng	0.02
86) Perylene-d12	24.766	264	1800536	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.237	112	986538	49.686	ng	0.00
7) Phenol-d6	6.814	99	1286457	48.969	ng	0.00
23) Nitrobenzene-d5	8.761	82	811243	29.132	ng	0.00
42) 2,4,6-Tribromophenol	15.778	330	571255	48.521	ng	0.00
45) 2-Fluorobiphenyl	12.854	172	1994483	31.552	ng	0.00
79) Terphenyl-d14	19.801	244	2816385	33.021	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.426	42	135272	15.748	ng	# 1
54) 2,4-Dinitrophenol	14.390	184	30	5.567	ng	# 1
56) 4-Nitrophenol	14.560	139	374	5.438	ng	# 41
63) Azobenzene	15.643	77	219157	3.817	ng	# 1
71) Phenanthrene	17.101	178	892175	10.290	ng	100
72) Anthracene	17.201	178	222160	2.530	ng	100
75) Fluoranthene	19.195	202	1979200	19.696	ng	99
78) Pyrene	19.578	202	1639303	17.165	ng	100
81) Benzo(a)anthracene	21.483	228	716631	7.330	ng	99
83) Chrysene	21.548	228	744662	8.038	ng	96
87) Indeno(1,2,3-cd)pyrene	28.459	276	441583	3.361	ng	# 95
88) Benzo(b)fluoranthene	23.736	252	884835	8.587	ng	# 95
89) Benzo(k)fluoranthene	23.736	252	884835	8.436	ng	95
90) Benzo(a)pyrene	24.607	252	620829	6.169	ng	# 93
92) Benzo(g,h,i)perylene	29.618	276	431887	4.071	ng	95

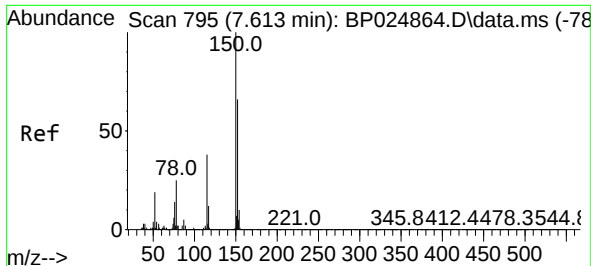
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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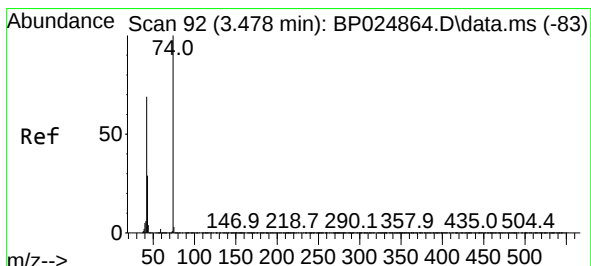
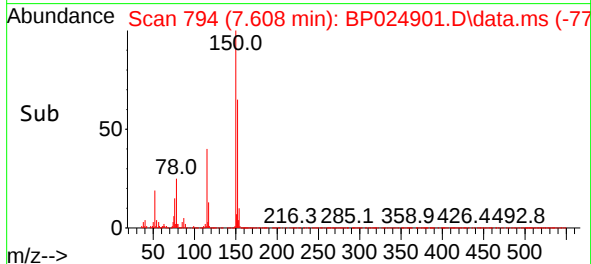
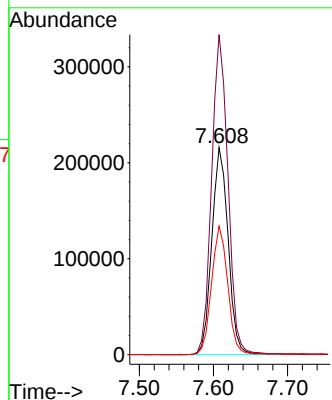
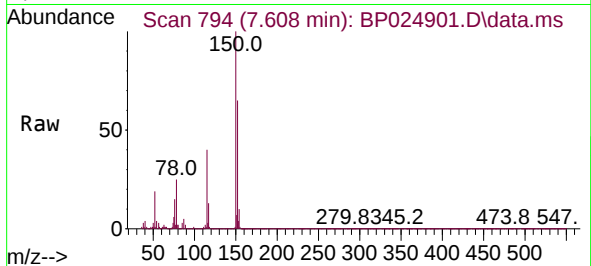




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 795
Delta R.T. -0.005 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

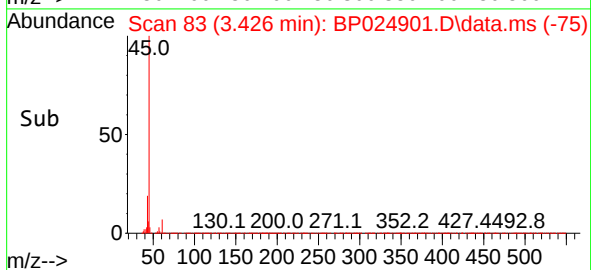
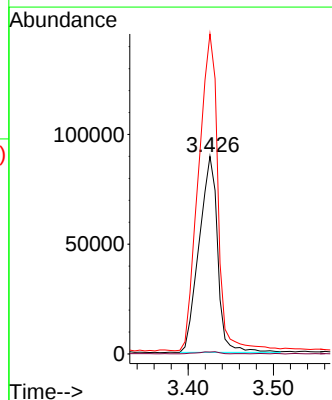
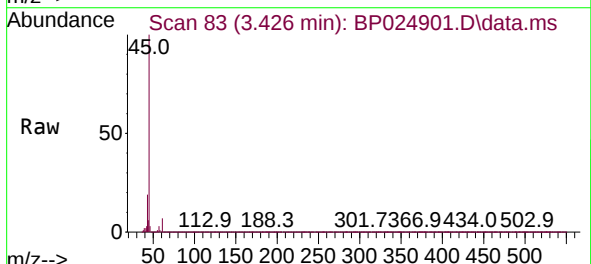
Instrument :
BNA_P
ClientSampleId :
TP-26

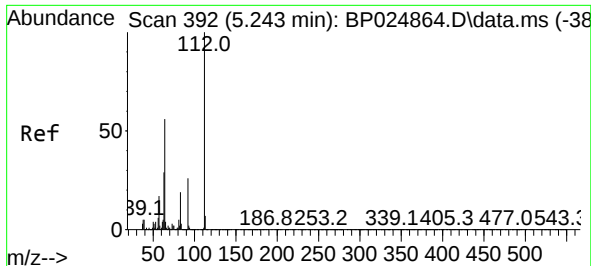
Tgt Ion:152 Resp: 331428
Ion Ratio Lower Upper
152 100
150 154.6 122.1 183.1
115 62.2 46.4 69.6



#4
n-Nitrosodimethylamine
Concen: 15.748 ng
RT: 3.426 min Scan# 83
Delta R.T. -0.053 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Tgt Ion: 42 Resp: 135272
Ion Ratio Lower Upper
42 100
74 0.9 116.6 174.8#
44 162.0 5.4 8.0#

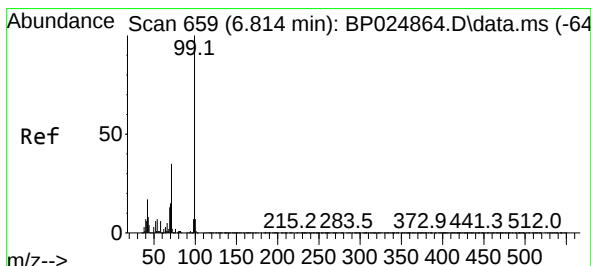
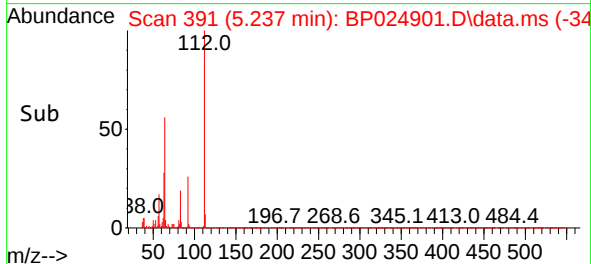
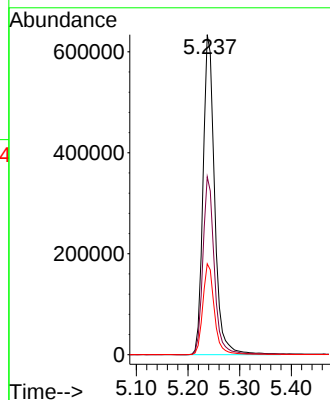
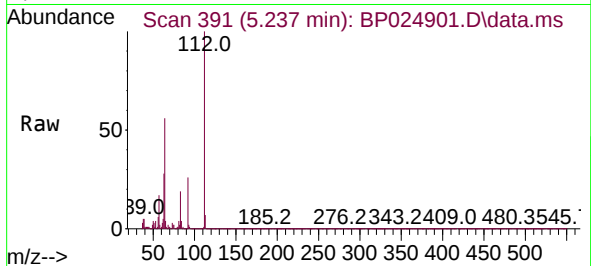




#5
2-Fluorophenol
Concen: 49.686 ng
RT: 5.237 min Scan# 391
Delta R.T. -0.006 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

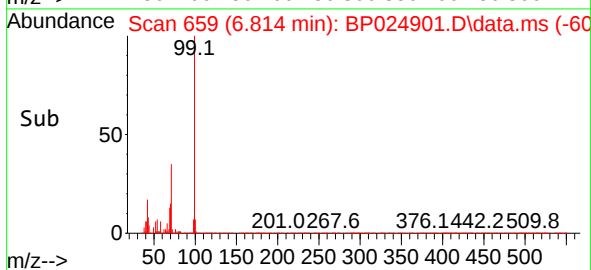
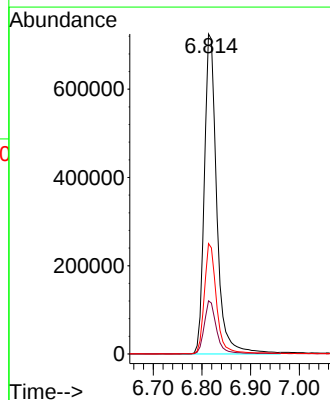
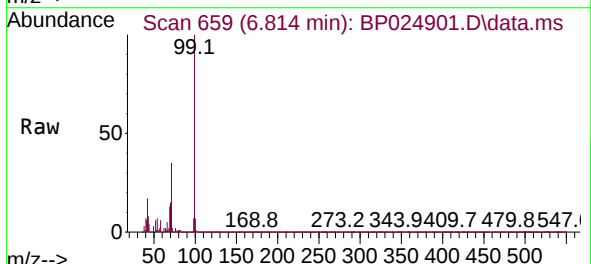
Instrument :
BNA_P
ClientSampleId :
TP-26

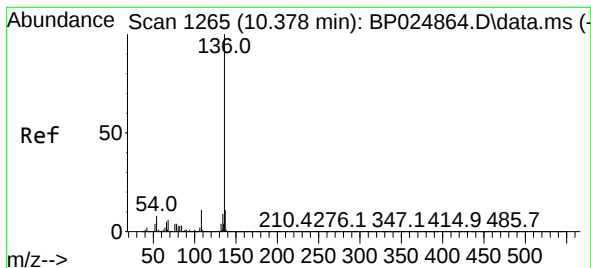
Tgt Ion:112 Resp: 986538
Ion Ratio Lower Upper
112 100
64 55.6 44.7 67.1
63 28.4 23.5 35.3



#7
Phenol-d6
Concen: 48.969 ng
RT: 6.814 min Scan# 659
Delta R.T. 0.000 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Tgt Ion: 99 Resp: 1286457
Ion Ratio Lower Upper
99 100
42 16.6 13.4 20.2
71 34.5 27.6 41.4

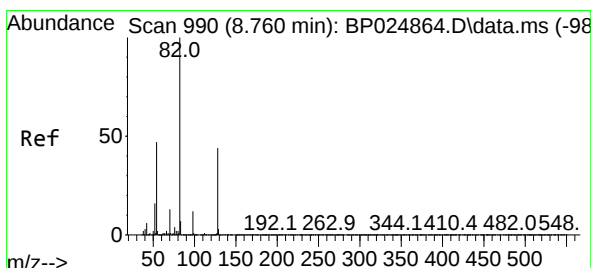
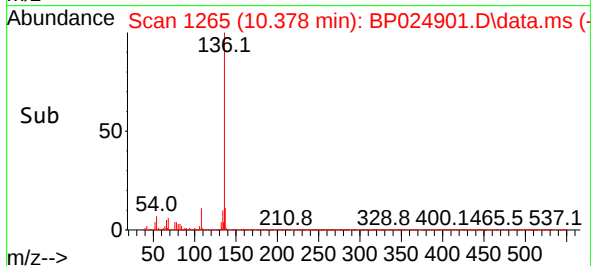
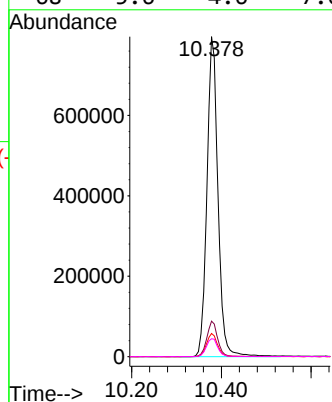
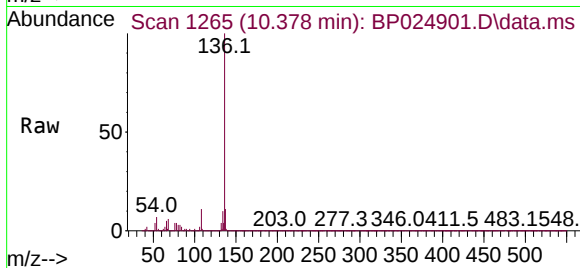




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

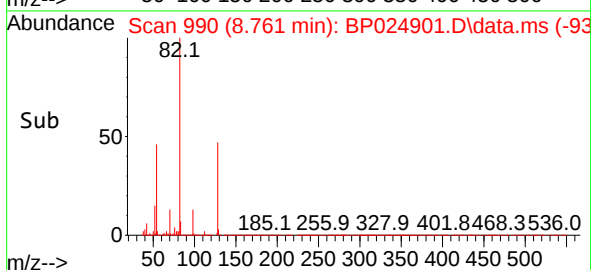
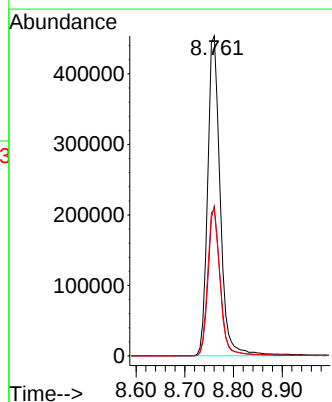
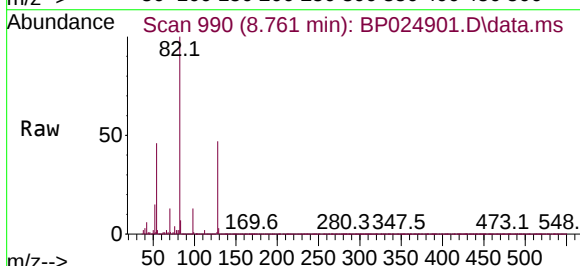
Instrument :
BNA_P
ClientSampleId :
TP-26

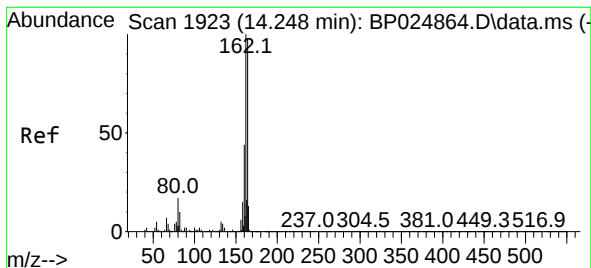
Tgt Ion:136 Resp: 1353167
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.3 6.1 9.1
68 5.6 4.6 7.0



#23
Nitrobenzene-d5
Concen: 29.132 ng
RT: 8.761 min Scan# 990
Delta R.T. 0.000 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Tgt Ion: 82 Resp: 811243
Ion Ratio Lower Upper
82 100
128 46.7 35.3 52.9
54 45.7 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: BP024901.D

Acq: 10 Jun 2025 19:51

Instrument :

BNA_P

ClientSampleId :

TP-26

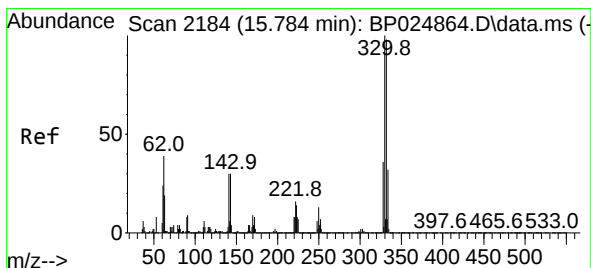
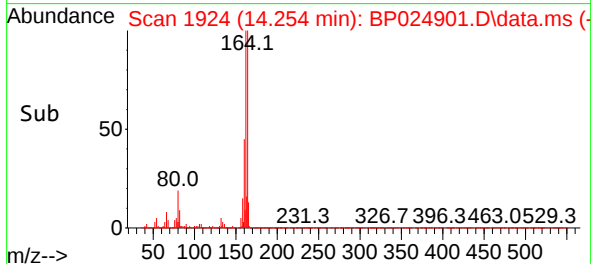
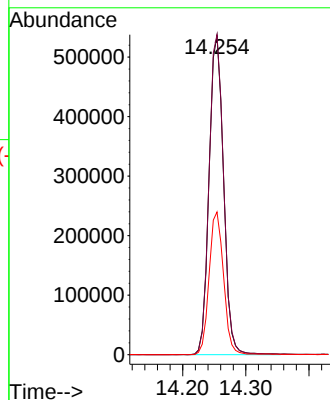
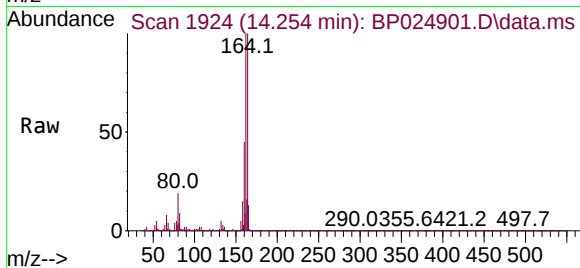
Tgt Ion:164 Resp: 851560

Ion Ratio Lower Upper

164 100

162 100.3 81.6 122.4

160 44.7 36.2 54.2



#42

2,4,6-Tribromophenol

Concen: 48.521 ng

RT: 15.778 min Scan# 2183

Delta R.T. -0.006 min

Lab File: BP024901.D

Acq: 10 Jun 2025 19:51

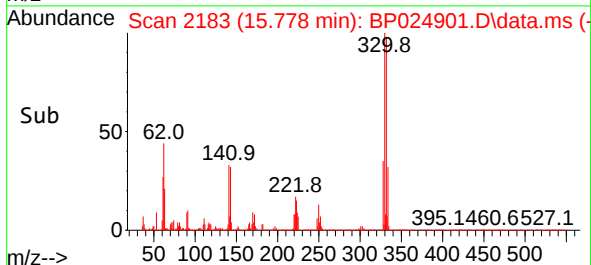
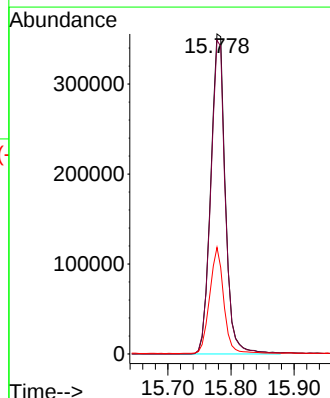
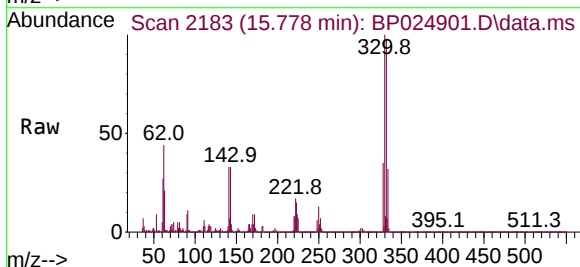
Tgt Ion:330 Resp: 571255

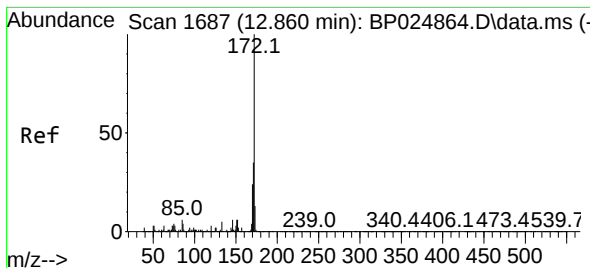
Ion Ratio Lower Upper

330 100

332 97.6 77.7 116.5

141 31.9 26.4 39.6





#45

2-Fluorobiphenyl

Concen: 31.552 ng

RT: 12.854 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP024901.D

Acq: 10 Jun 2025 19:51

Instrument :

BNA_P

ClientSampleId :

TP-26

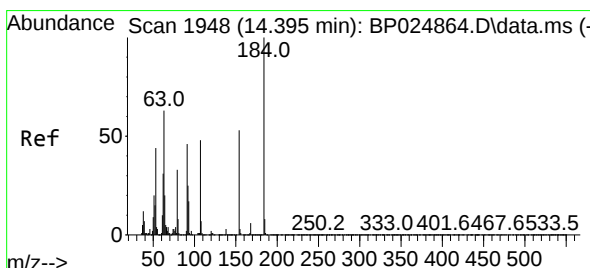
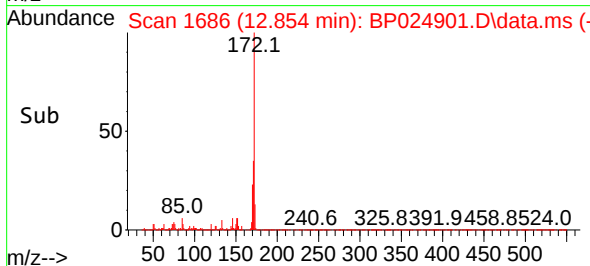
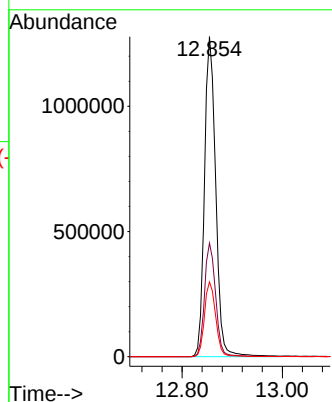
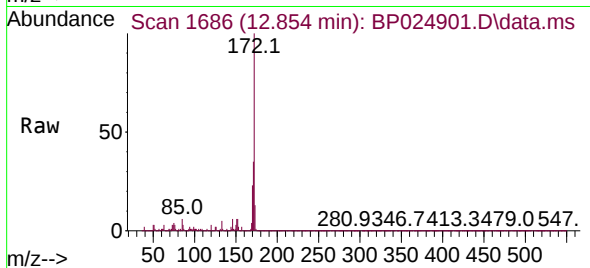
Tgt Ion:172 Resp: 1994483

Ion Ratio Lower Upper

172 100

171 35.5 28.3 42.5

170 23.4 19.0 28.4



#54

2,4-Dinitrophenol

Concen: 5.567 ng

RT: 14.390 min Scan# 1947

Delta R.T. -0.005 min

Lab File: BP024901.D

Acq: 10 Jun 2025 19:51

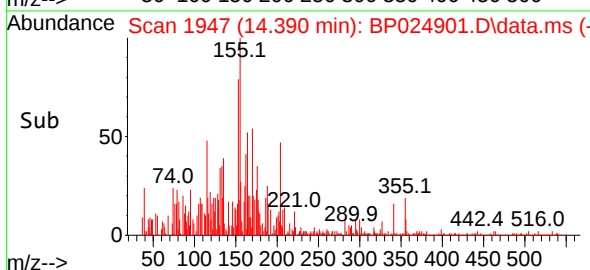
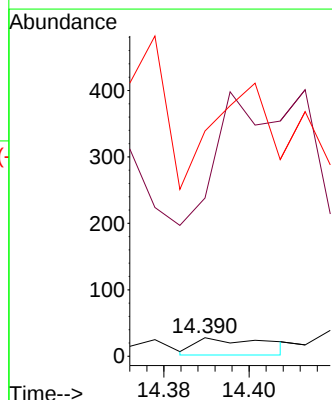
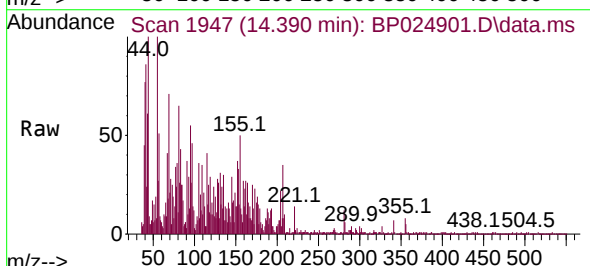
Tgt Ion:184 Resp: 30

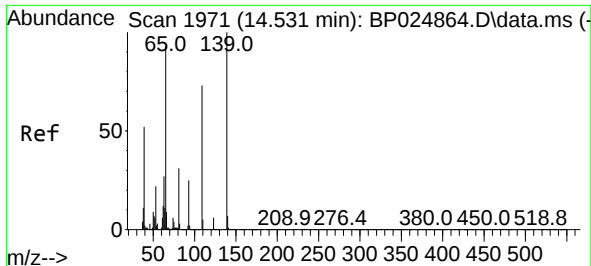
Ion Ratio Lower Upper

184 100

63 850.0 51.0 76.4#

154 1210.7 51.7 77.5#

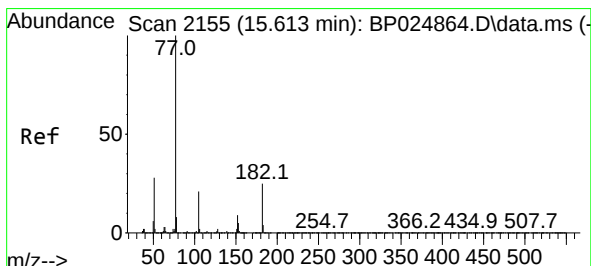
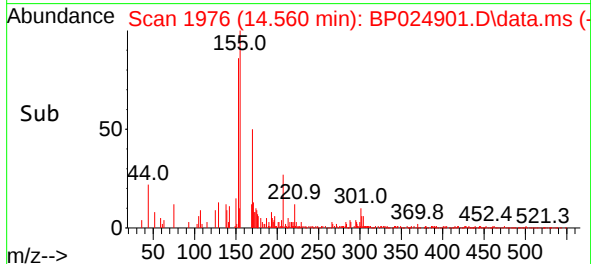
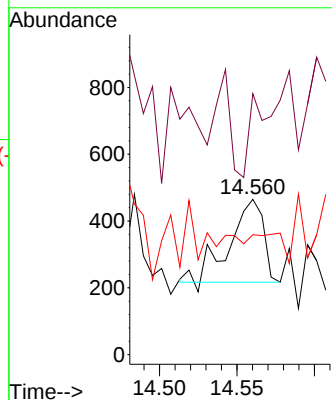
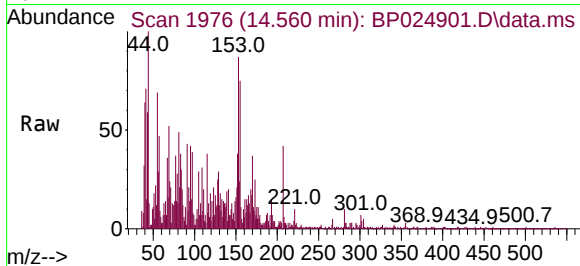




#56
4-Nitrophenol
Concen: 5.438 ng
RT: 14.560 min Scan# 1976
Delta R.T. 0.029 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

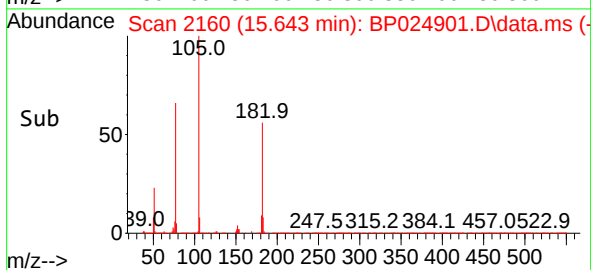
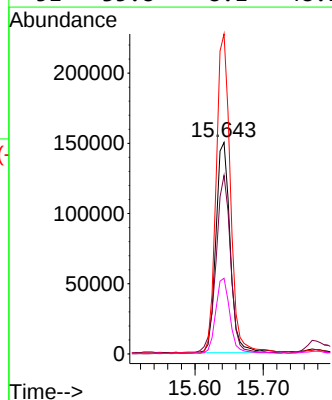
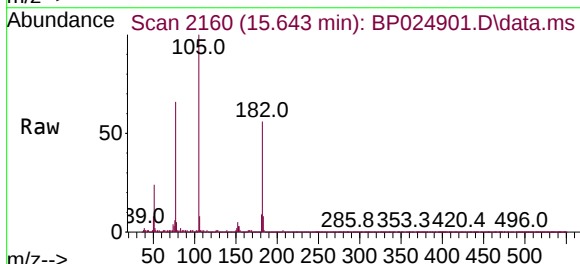
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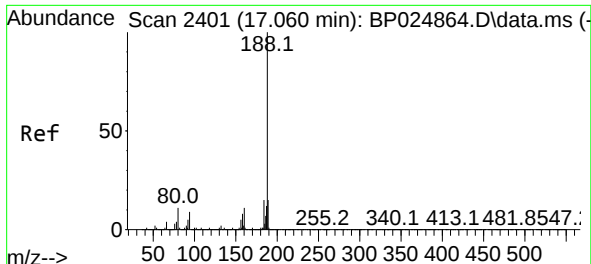
Tgt Ion:139 Resp: 374
Ion Ratio Lower Upper
139 100
109 168.0 53.1 93.1#
65 77.2 73.0 113.0



#63
Azobenzene
Concen: 3.817 ng
RT: 15.643 min Scan# 2160
Delta R.T. 0.029 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Tgt Ion: 77 Resp: 219157
Ion Ratio Lower Upper
77 100
182 84.4 5.4 45.4#
105 151.3 0.8 40.8#
51 35.8 8.1 48.1

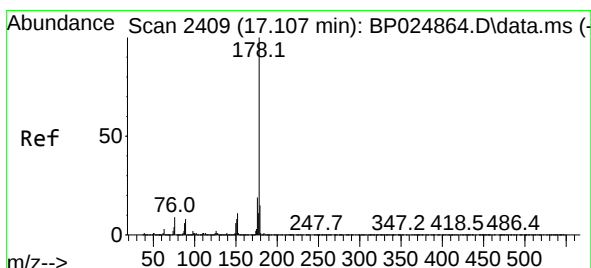
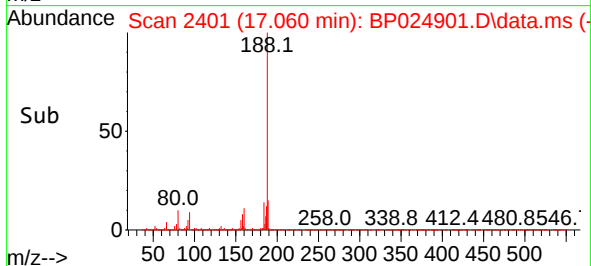
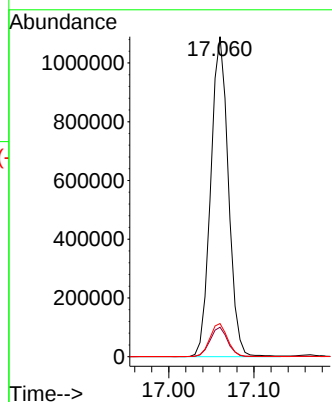
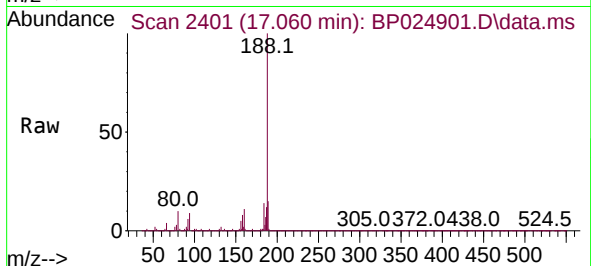




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.060 min Scan# 2401
Delta R.T. 0.000 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

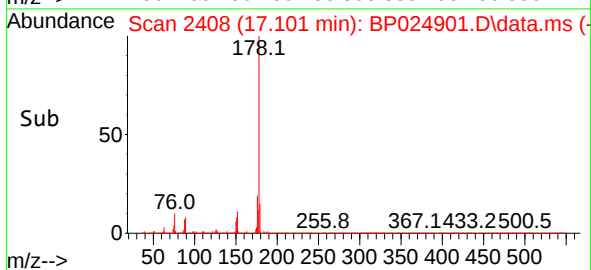
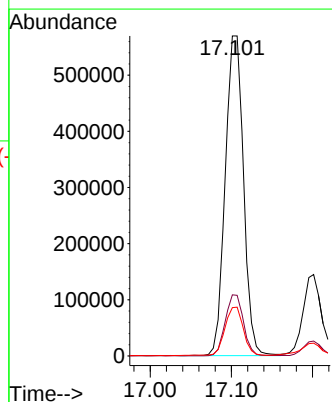
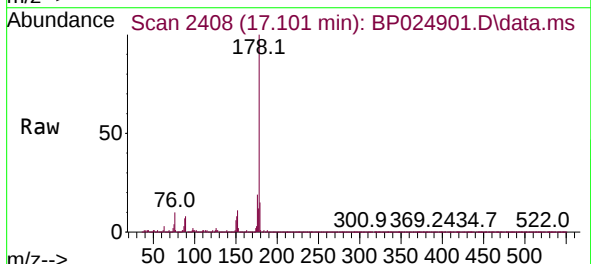
Instrument :
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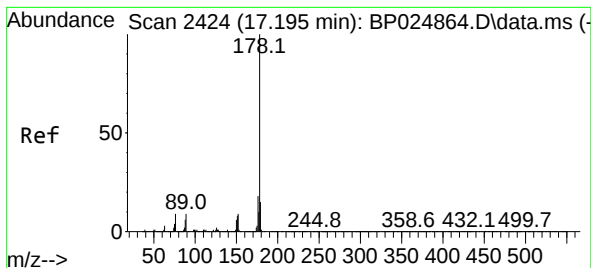
Tgt Ion:188 Resp: 1568912
Ion Ratio Lower Upper
188 100
94 9.2 7.3 10.9
80 10.4 8.5 12.7



#71
Phenanthrene
Concen: 10.290 ng
RT: 17.101 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Tgt Ion:178 Resp: 892175
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.1 12.1 18.1





#72

Anthracene

Concen: 2.530 ng

RT: 17.201 min Scan# 2424

Delta R.T. 0.006 min

Lab File: BP024901.D

Acq: 10 Jun 2025 19:51

Instrument :

BNA_P

ClientSampleId :

TP-26

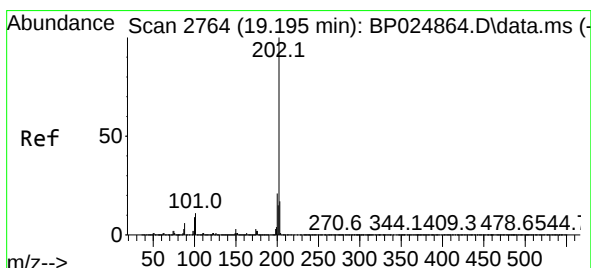
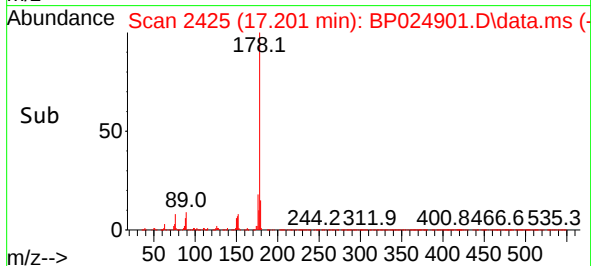
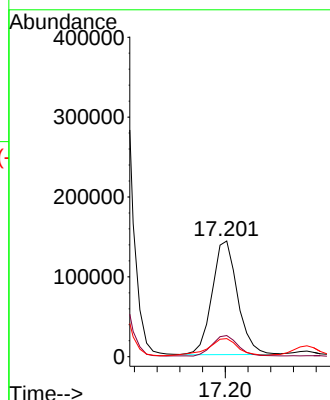
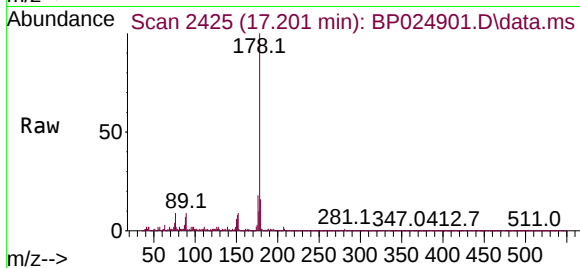
Tgt Ion:178 Resp: 222160

Ion Ratio Lower Upper

178 100

176 18.3 14.7 22.1

179 15.7 12.3 18.5



#75

Fluoranthene

Concen: 19.696 ng

RT: 19.195 min Scan# 2764

Delta R.T. 0.000 min

Lab File: BP024901.D

Acq: 10 Jun 2025 19:51

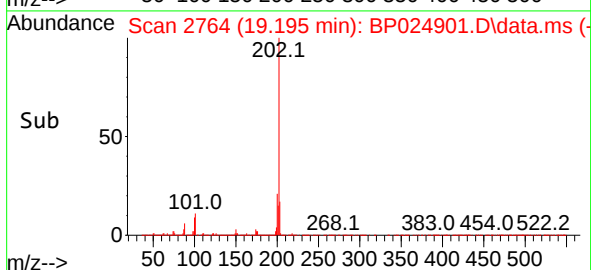
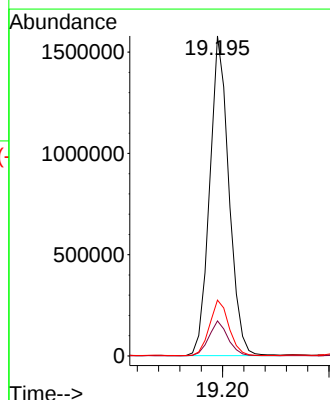
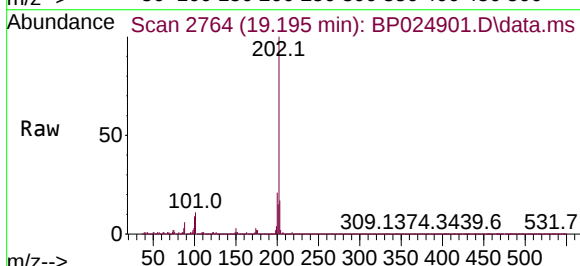
Tgt Ion:202 Resp: 1979200

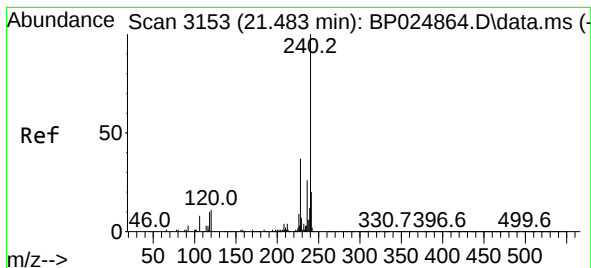
Ion Ratio Lower Upper

202 100

101 10.9 0.0 31.4

203 17.4 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.501 min Scan# 3156

Delta R.T. 0.018 min

Lab File: BP024901.D

Acq: 10 Jun 2025 19:51

Instrument :

BNA_P

ClientSampleId :

TP-26

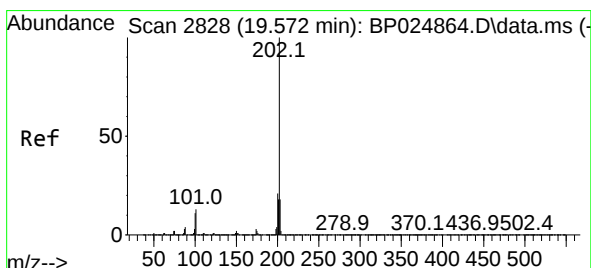
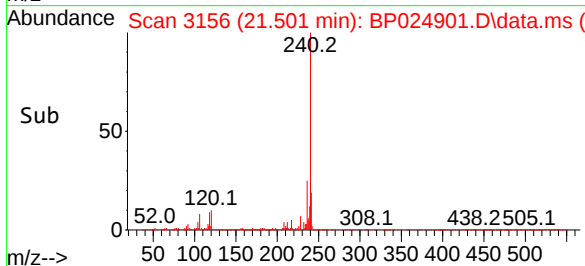
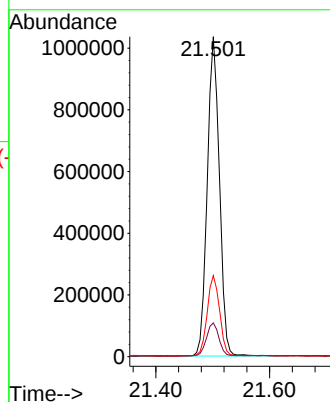
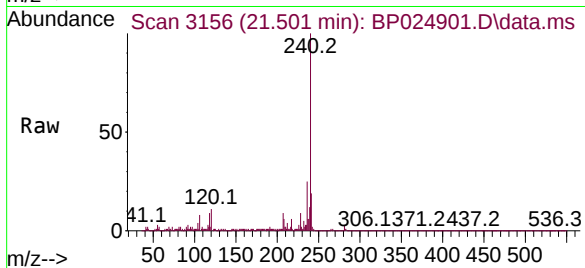
Tgt Ion:240 Resp: 1528631

Ion Ratio Lower Upper

240 100

120 10.6 8.9 13.3

236 25.4 20.9 31.3



#78

Pyrene

Concen: 17.165 ng

RT: 19.578 min Scan# 2829

Delta R.T. 0.006 min

Lab File: BP024901.D

Acq: 10 Jun 2025 19:51

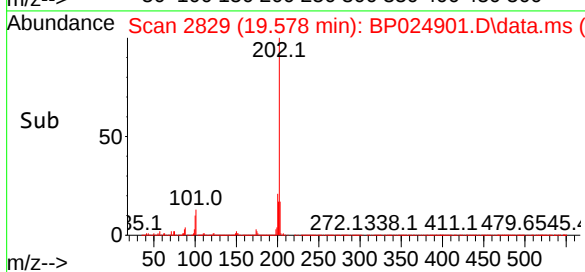
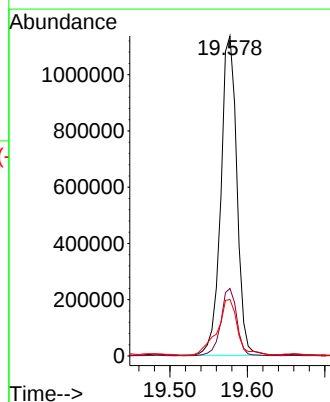
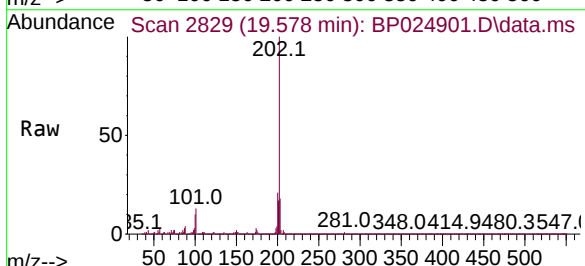
Tgt Ion:202 Resp: 1639303

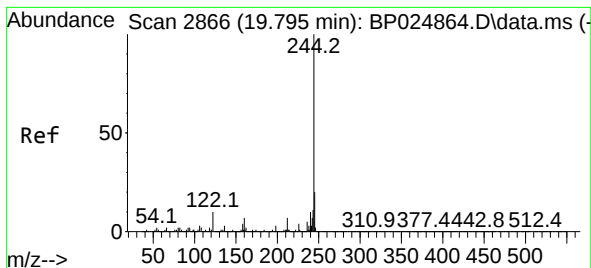
Ion Ratio Lower Upper

202 100

200 21.1 17.1 25.7

203 17.6 14.0 21.0





#79

Terphenyl-d14

Concen: 33.021 ng

RT: 19.801 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP024901.D

Acq: 10 Jun 2025 19:51

Instrument :

BNA_P

ClientSampleId :

TP-26

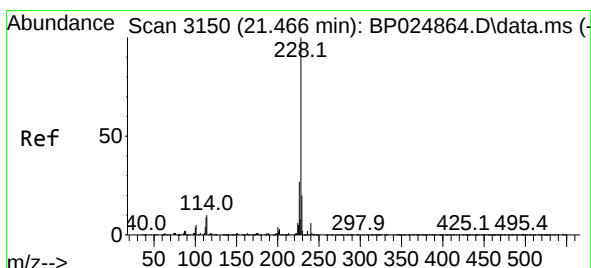
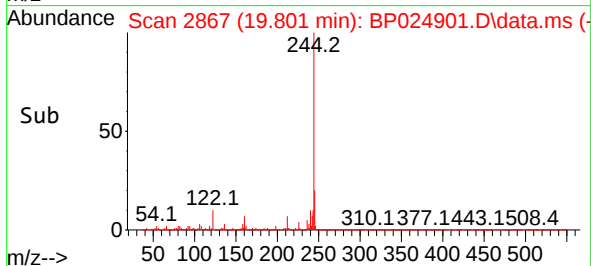
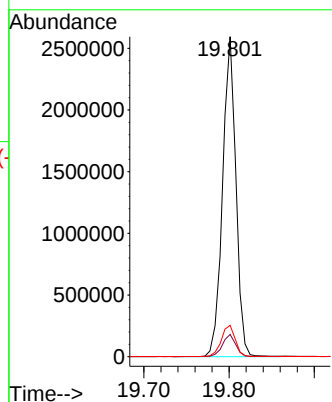
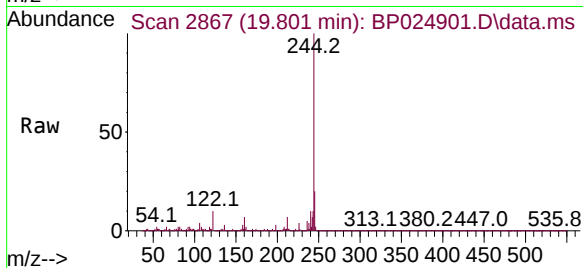
Tgt Ion:244 Resp: 2816385

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 9.8 7.7 11.5



#81

Benzo(a)anthracene

Concen: 7.330 ng

RT: 21.483 min Scan# 3153

Delta R.T. 0.018 min

Lab File: BP024901.D

Acq: 10 Jun 2025 19:51

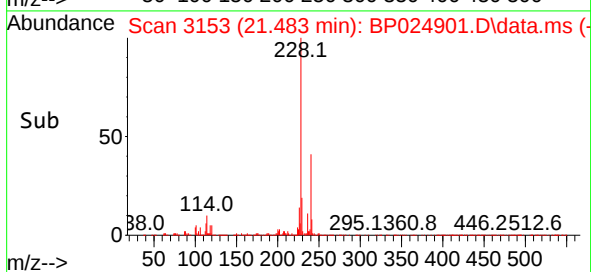
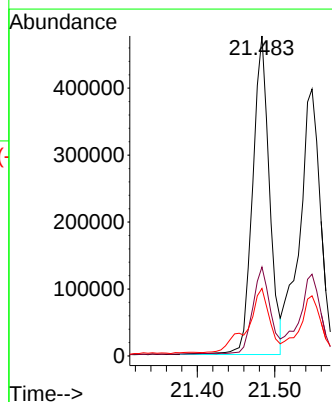
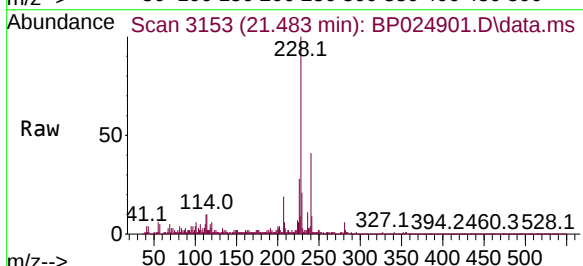
Tgt Ion:228 Resp: 716631

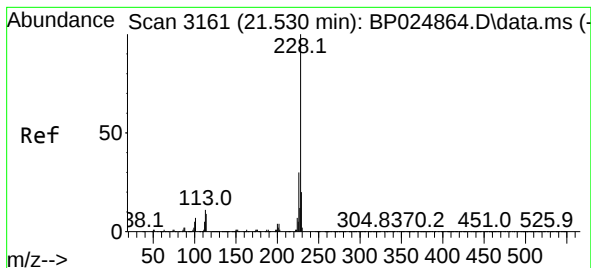
Ion Ratio Lower Upper

228 100

226 27.8 22.1 33.1

229 21.1 15.9 23.9





#83

Chrysene

Concen: 8.038 ng

RT: 21.548 min Scan# 3161

Delta R.T. 0.018 min

Lab File: BP024901.D

Acq: 10 Jun 2025 19:51

Instrument :

BNA_P

ClientSampleId :

TP-26

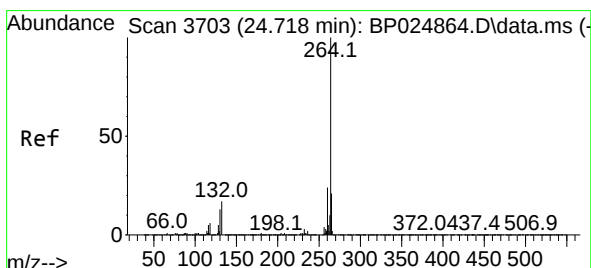
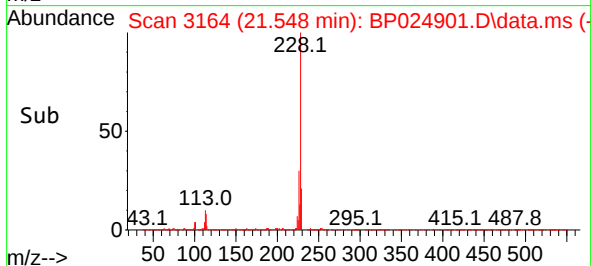
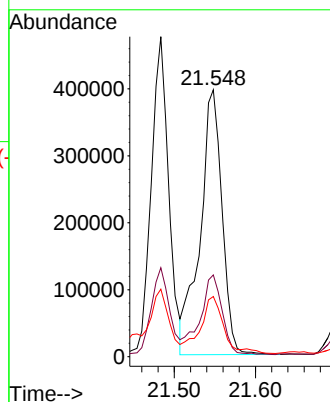
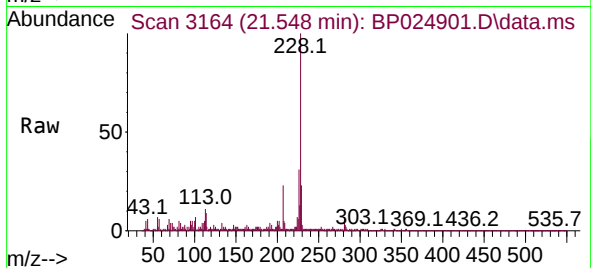
Tgt Ion:228 Resp: 744662

Ion Ratio Lower Upper

228 100

226 30.7 23.8 35.6

229 22.6 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: BP024901.D

Acq: 10 Jun 2025 19:51

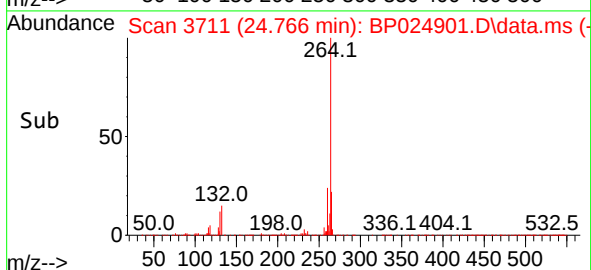
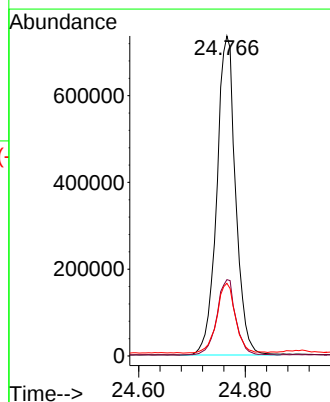
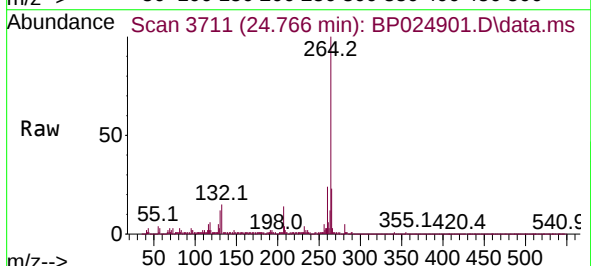
Tgt Ion:264 Resp: 1800536

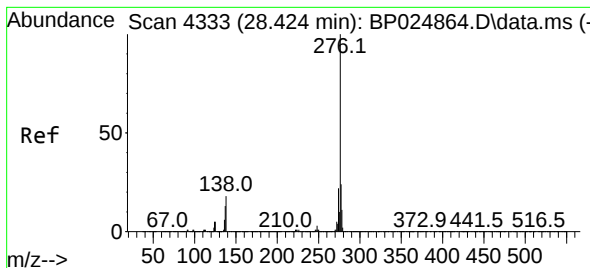
Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.4

265 22.7 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.361 ng

RT: 28.459 min Scan# 41

Delta R.T. 0.035 min

Lab File: BP024901.D

Acq: 10 Jun 2025 19:51

Instrument :

BNA_P

ClientSampleId :

TP-26

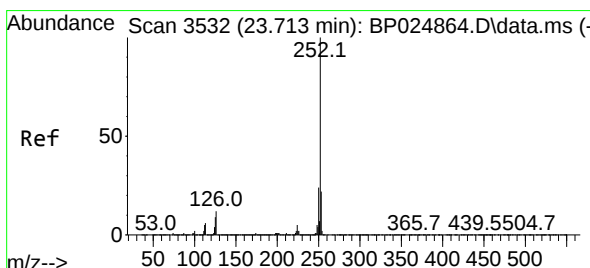
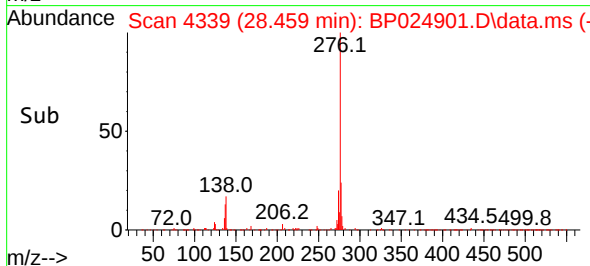
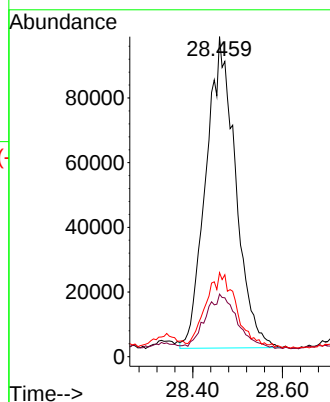
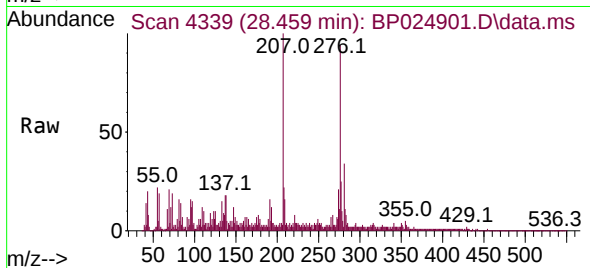
Tgt Ion:276 Resp: 441583

Ion Ratio Lower Upper

276 100

138 18.2 18.6 27.8#

277 25.1 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 8.587 ng

RT: 23.736 min Scan# 3536

Delta R.T. 0.024 min

Lab File: BP024901.D

Acq: 10 Jun 2025 19:51

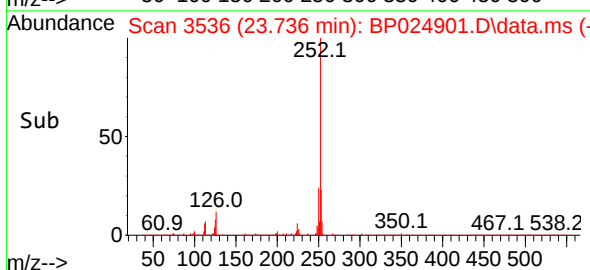
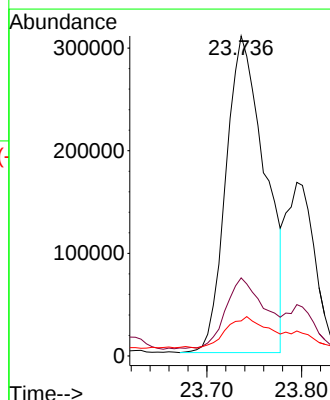
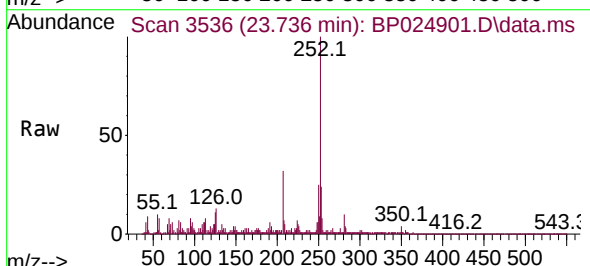
Tgt Ion:252 Resp: 884835

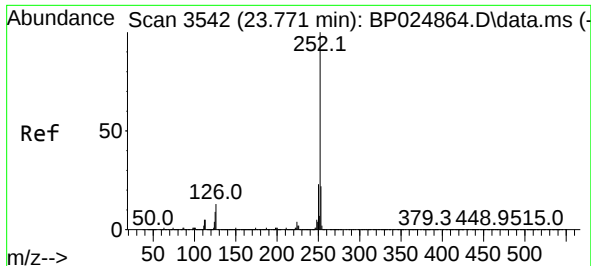
Ion Ratio Lower Upper

252 100

253 24.4 17.6 26.4

125 10.9 7.1 10.7#

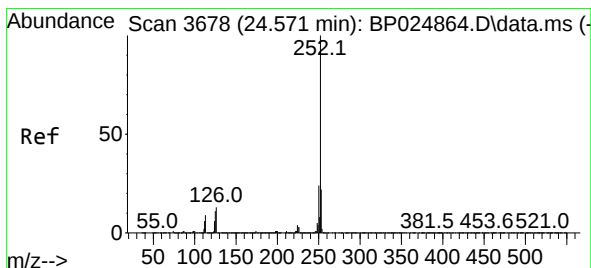
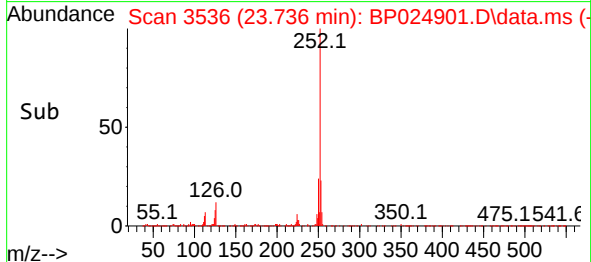
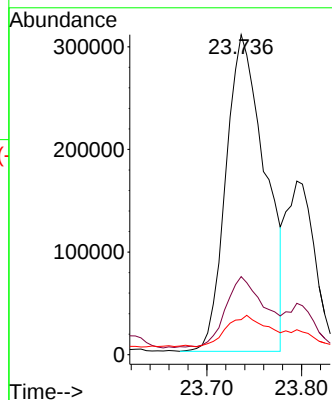
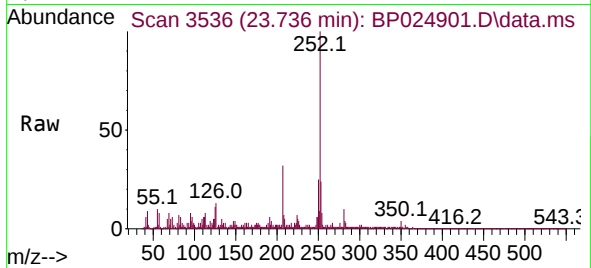




#89
Benzo(k)fluoranthene
Concen: 8.436 ng
RT: 23.736 min Scan# 3536
Delta R.T. -0.035 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

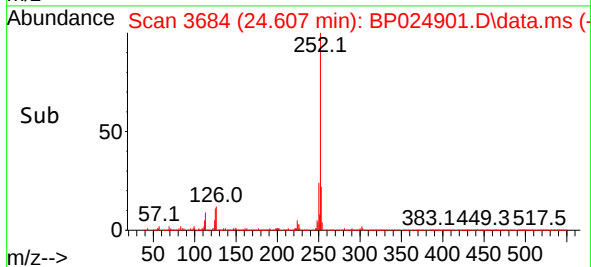
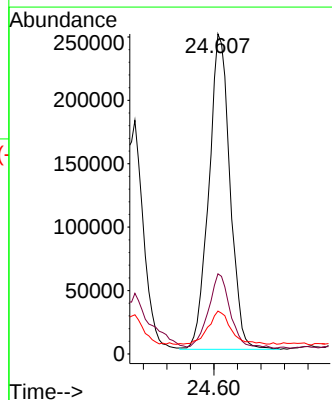
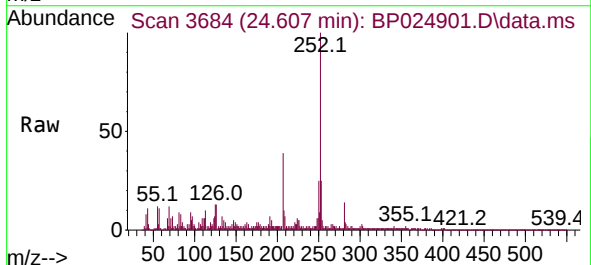
Instrument :
BNA_P
ClientSampleId :
TP-26

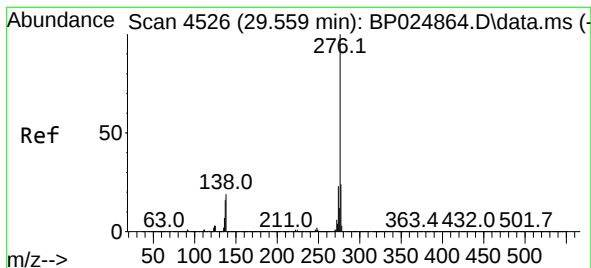
Tgt Ion:252 Resp: 884835
Ion Ratio Lower Upper
252 100
253 24.4 17.7 26.5
125 10.9 7.4 11.0



#90
Benzo(a)pyrene
Concen: 6.169 ng
RT: 24.607 min Scan# 3684
Delta R.T. 0.035 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Tgt Ion:252 Resp: 620829
Ion Ratio Lower Upper
252 100
253 25.1 17.5 26.3
125 13.4 8.8 13.2#





#92

Benzo(g,h,i)perylene

Concen: 4.071 ng

RT: 29.618 min Scan# 4

Delta R.T. 0.059 min

Lab File: BP024901.D

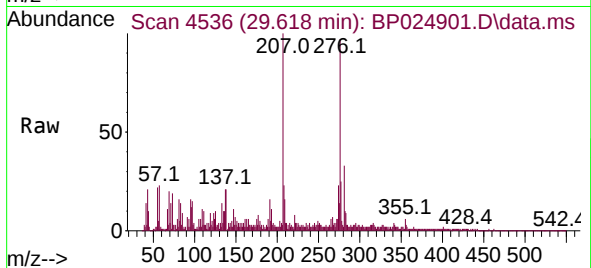
Acq: 10 Jun 2025 19:51

Instrument :

BNA_P

ClientSampleId :

TP-26



Tgt Ion:276 Resp: 431887

Ion Ratio Lower Upper

276 100

277 25.8 19.1 28.7

138 21.9 15.4 23.2

