

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061625\
 Data File : BP024964.D
 Acq On : 16 Jun 2025 17:04
 Operator : RC/JU
 Sample : Q2328-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CHRT25653

Quant Time: Jun 16 17:41:09 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)

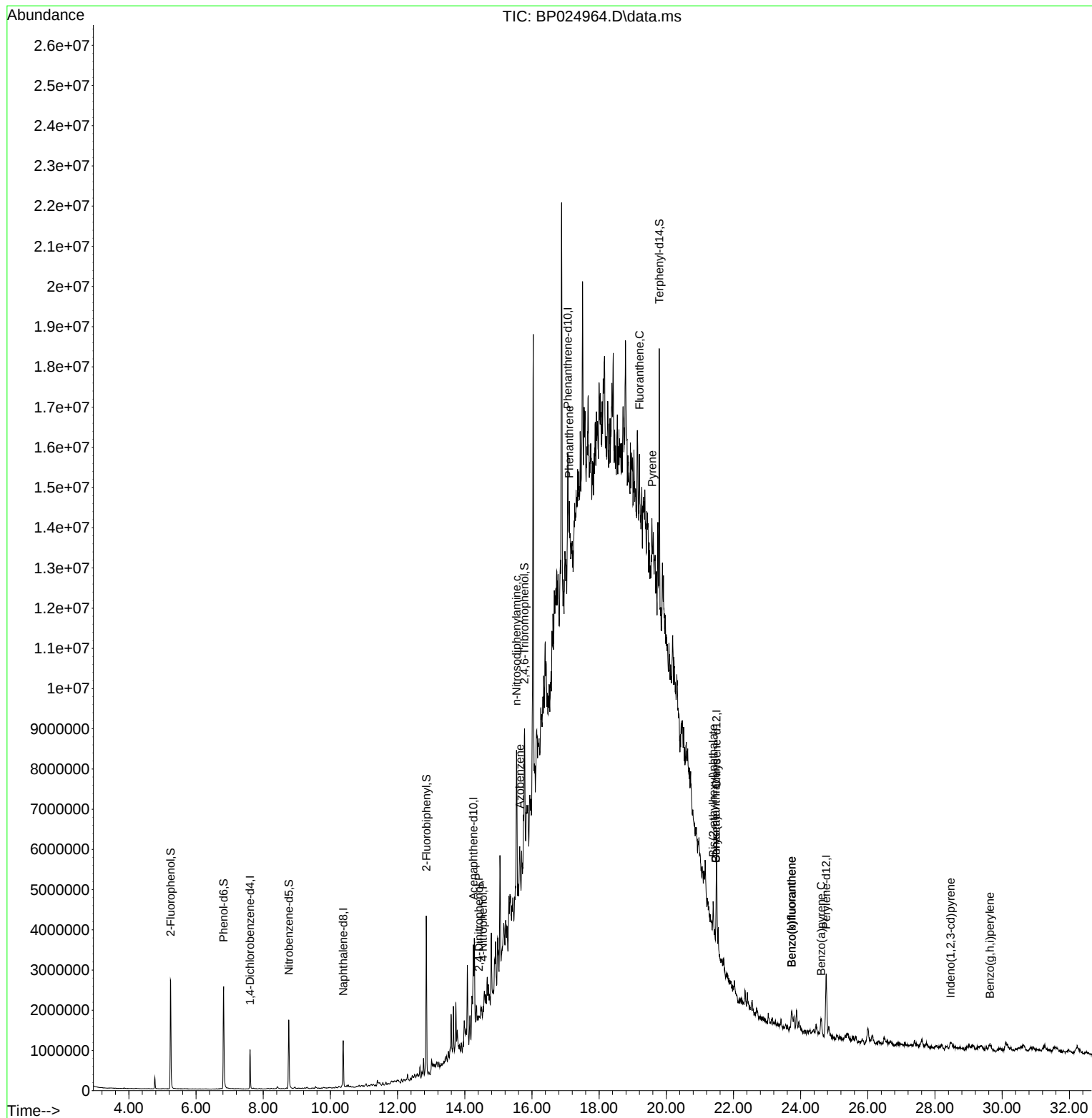
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.607	152	256331	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	1039856	20.000	ng	0.00
39) Acenaphthene-d10	14.254	164	641220	20.000	ng	0.00
64) Phenanthrene-d10	17.066	188	1120450	20.000	ng	# 0.00
76) Chrysene-d12	21.495	240	1393507	20.000	ng	0.01
86) Perylene-d12	24.760	264	1671179	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.243	112	1343813	87.508	ng	0.00
7) Phenol-d6	6.819	99	1760308	86.637	ng	0.00
23) Nitrobenzene-d5	8.760	82	1066234	49.826	ng	0.00
42) 2,4,6-Tribromophenol	15.778	330	755894	85.265	ng	0.00
45) 2-Fluorobiphenyl	12.854	172	2090717	43.923	ng	0.00
79) Terphenyl-d14	19.789	244	3085292	39.681	ng	0.00
Target Compounds						Qvalue
54) 2,4-Dinitrophenol	14.419	184	57	5.571	ng	# 1
56) 4-Nitrophenol	14.542	139	2583	5.678	ng	# 1
63) Azobenzene	15.642	77	176583	4.084	ng	# 1
66) n-Nitrosodiphenylamine	15.542	169	125806	3.623	ng	# 50
71) Phenanthrene	17.107	178	341342	5.513	ng	# 67
75) Fluoranthene	19.201	202	668656	9.317	ng	# 91
78) Pyrene	19.577	202	650217	7.469	ng	# 93
81) Benzo(a)anthracene	21.477	228	363158	4.075	ng	# 97
83) Chrysene	21.477	228	363158	4.300	ng	# 96
84) Bis(2-ethylhexyl)phtha...	21.395	149	329012	5.759	ng	# 94
87) Indeno(1,2,3-cd)pyrene	28.465	276	294116	2.412	ng	# 97
88) Benzo(b)fluoranthene	23.730	252	556353	5.817	ng	# 90
89) Benzo(k)fluoranthene	23.730	252	556353	5.715	ng	# 90
90) Benzo(a)pyrene	24.607	252	376847	4.035	ng	# 91
92) Benzo(g,h,i)perylene	29.636	276	306886	3.116	ng	# 97

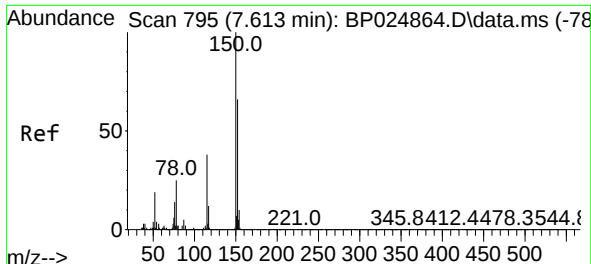
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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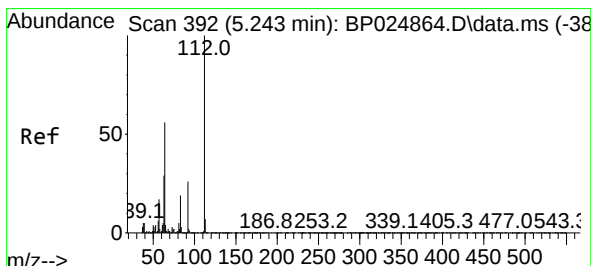
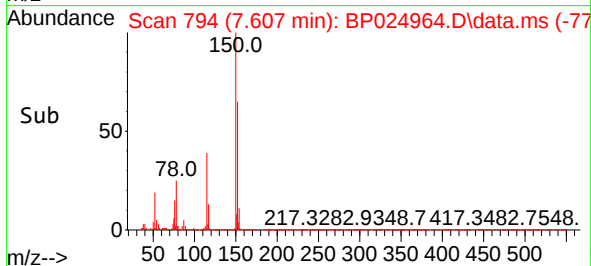
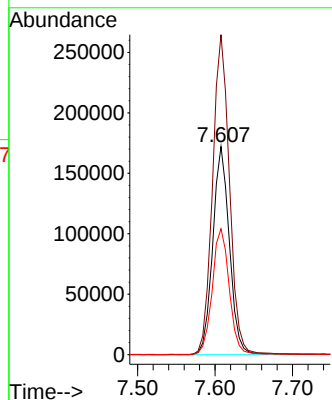
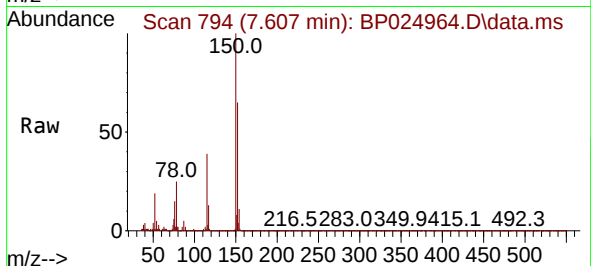




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.607 min Scan# 795
Delta R.T. -0.006 min
Lab File: BP024964.D
Acq: 16 Jun 2025 17:04

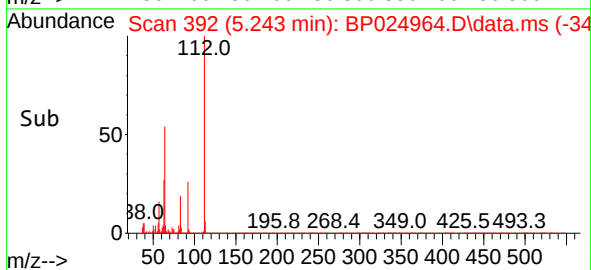
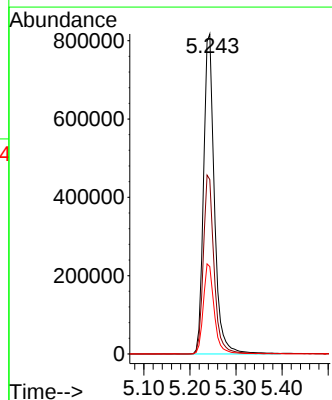
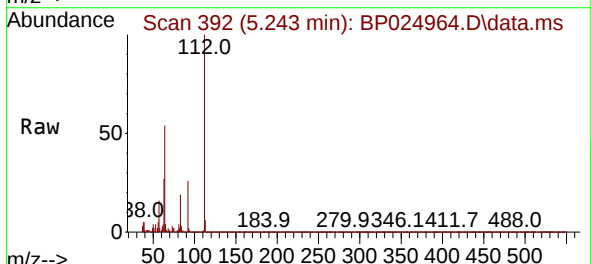
Instrument :
BNA_P
ClientSampleId :
CHRT25653

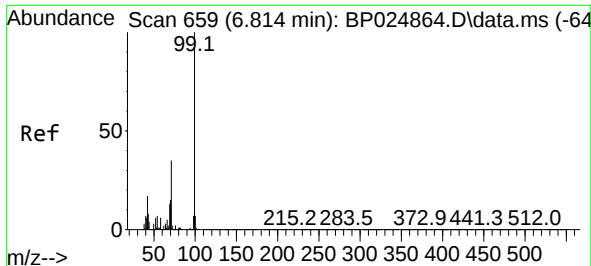
Tgt Ion:152 Resp: 256331
Ion Ratio Lower Upper
152 100
150 153.8 122.1 183.1
115 60.5 46.4 69.6



#5
2-Fluorophenol
Concen: 87.508 ng
RT: 5.243 min Scan# 392
Delta R.T. -0.000 min
Lab File: BP024964.D
Acq: 16 Jun 2025 17:04

Tgt Ion:112 Resp: 1343813
Ion Ratio Lower Upper
112 100
64 54.5 44.7 67.1
63 27.3 23.5 35.3

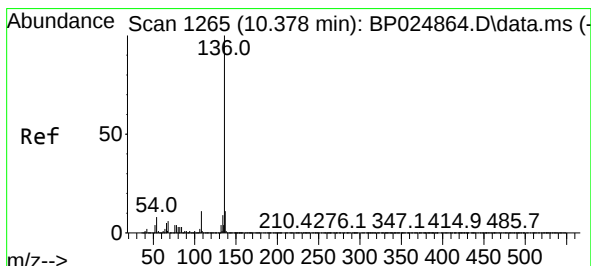
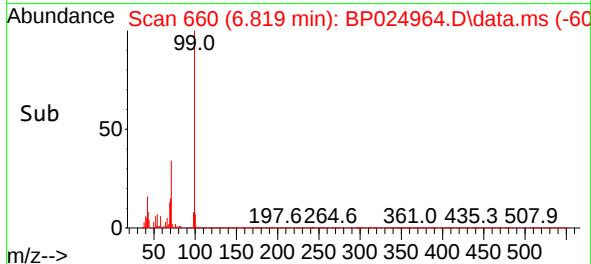
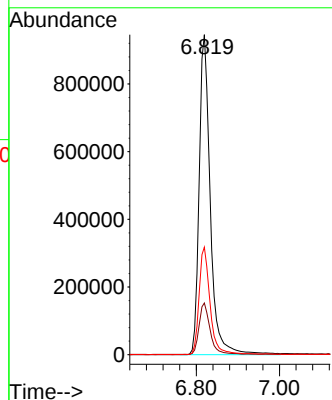
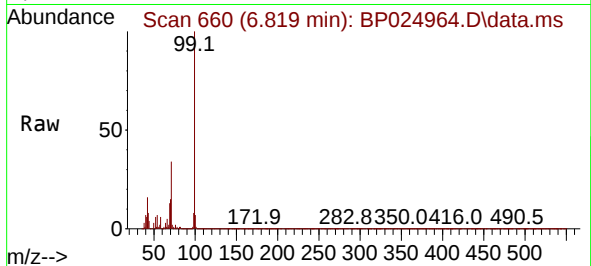




#7
Phenol-d6
Concen: 86.637 ng
RT: 6.819 min Scan# 60
Delta R.T. 0.006 min
Lab File: BP024964.D
Acq: 16 Jun 2025 17:04

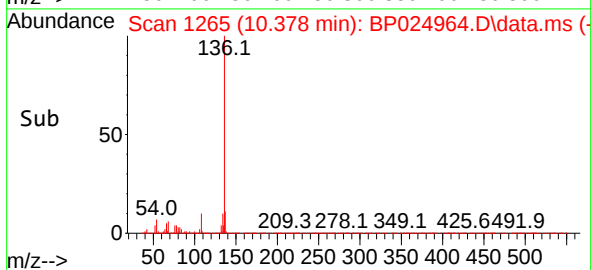
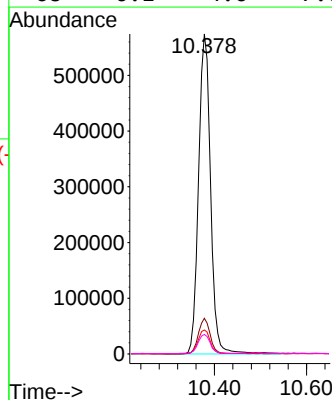
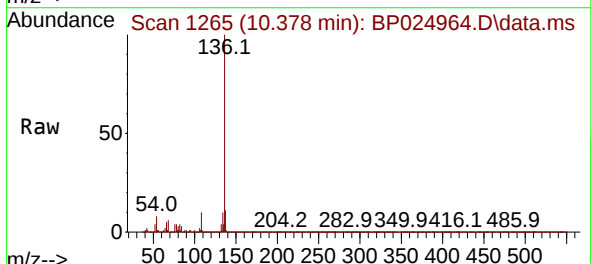
Instrument :
BNA_P
ClientSampleId :
CHRT25653

Tgt Ion: 99 Resp: 1760308
Ion Ratio Lower Upper
99 100
42 16.2 13.4 20.2
71 33.6 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: BP024964.D
Acq: 16 Jun 2025 17:04

Tgt Ion:136 Resp: 1039856
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 7.5 6.1 9.1
68 6.1 4.6 7.0

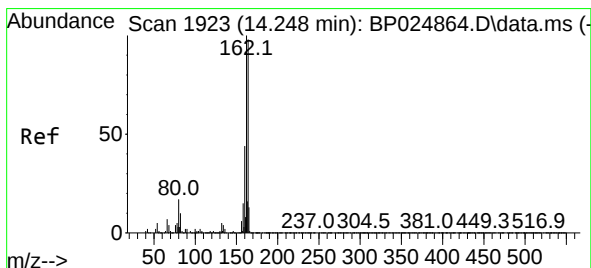
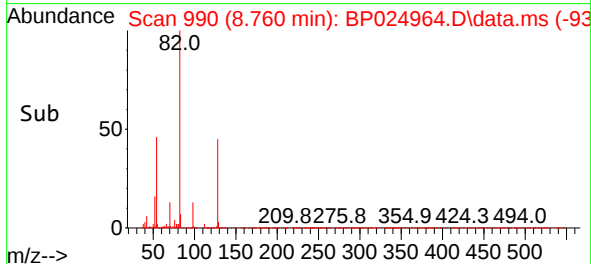
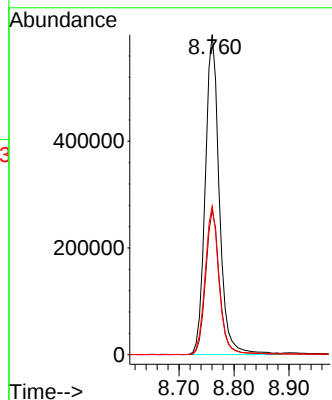
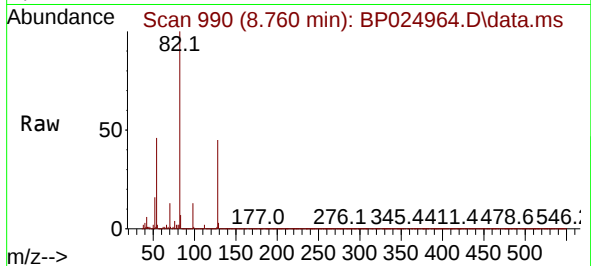




#23
Nitrobenzene-d5
Concen: 49.826 ng
RT: 8.760 min Scan# 990
Delta R.T. -0.000 min
Lab File: BP024964.D
Acq: 16 Jun 2025 17:04

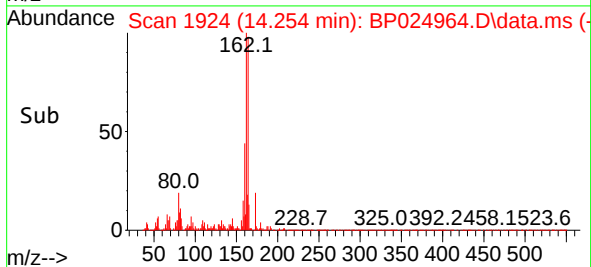
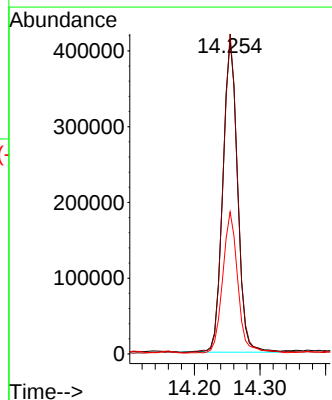
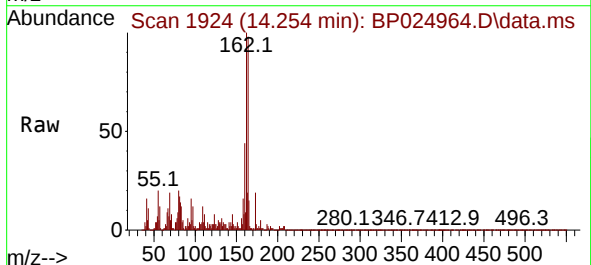
Instrument :
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ClientSampleId :
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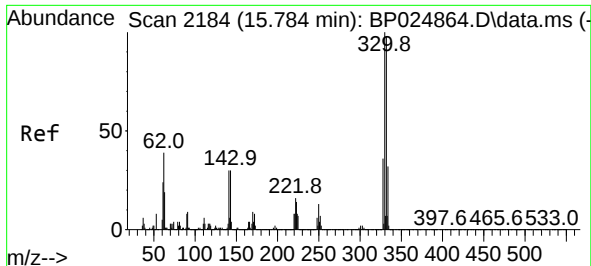
Tgt Ion: 82 Resp: 1066234
Ion Ratio Lower Upper
82 100
128 45.2 35.3 52.9
54 46.5 37.4 56.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.254 min Scan# 1924
Delta R.T. 0.006 min
Lab File: BP024964.D
Acq: 16 Jun 2025 17:04

Tgt Ion:164 Resp: 641220
Ion Ratio Lower Upper
164 100
162 102.1 81.6 122.4
160 45.3 36.2 54.2

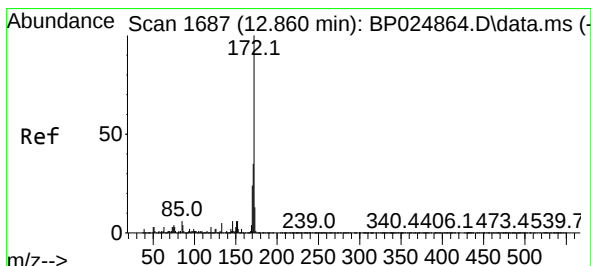
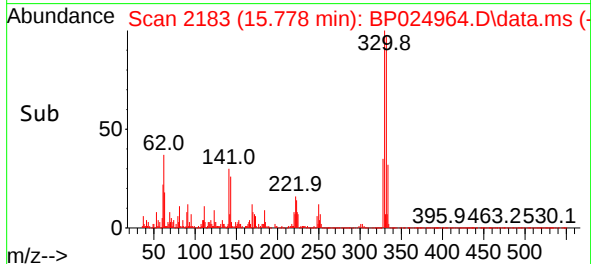
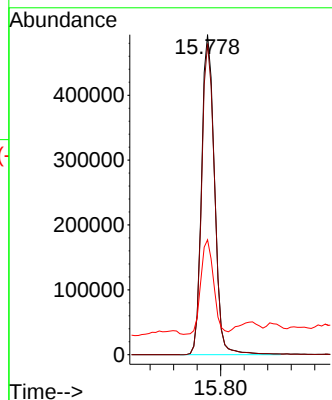
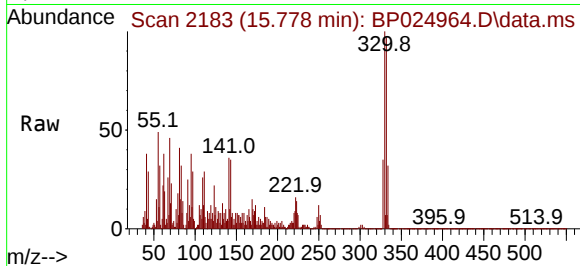




#42
2,4,6-Tribromophenol
Concen: 85.265 ng
RT: 15.778 min Scan# 2184
Delta R.T. -0.006 min
Lab File: BP024964.D
Acq: 16 Jun 2025 17:04

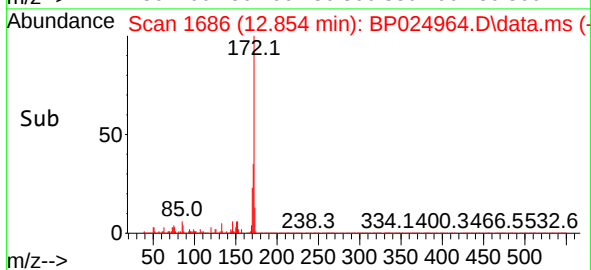
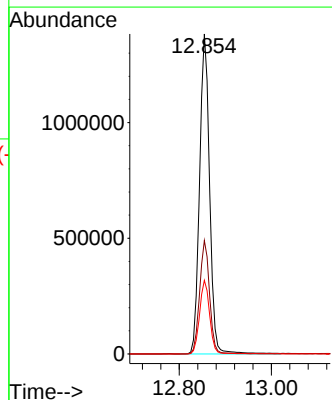
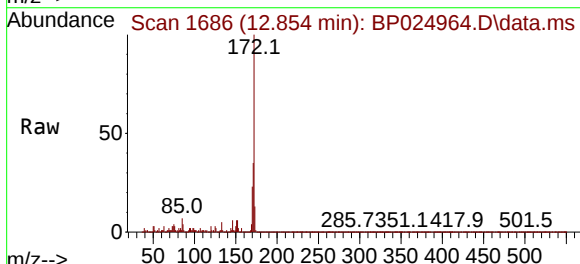
Instrument :
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ClientSampleId :
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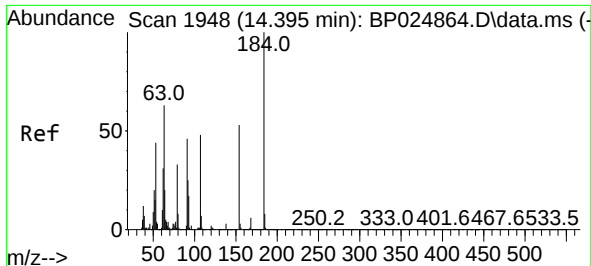
Tgt Ion:330 Resp: 755894
Ion Ratio Lower Upper
330 100
332 97.2 77.7 116.5
141 29.4 26.4 39.6



#45
2-Fluorobiphenyl
Concen: 43.923 ng
RT: 12.854 min Scan# 1686
Delta R.T. -0.006 min
Lab File: BP024964.D
Acq: 16 Jun 2025 17:04

Tgt Ion:172 Resp: 2090717
Ion Ratio Lower Upper
172 100
171 35.4 28.3 42.5
170 23.0 19.0 28.4

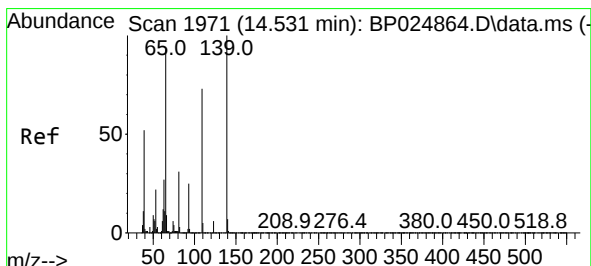
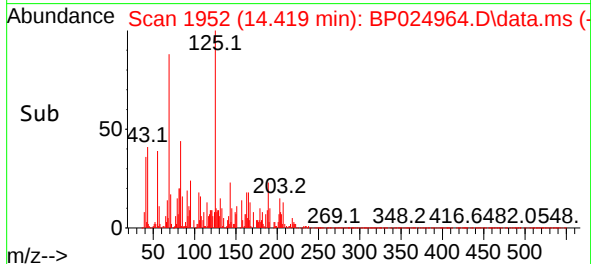
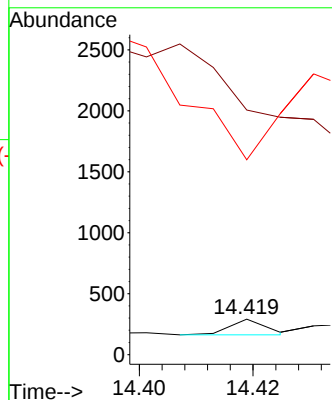
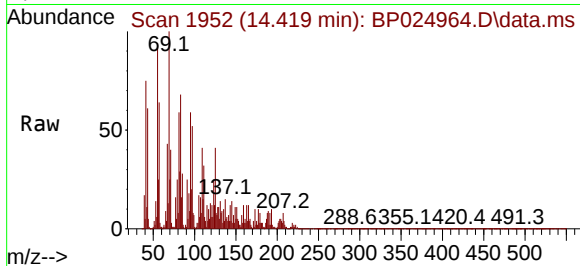




#54
2,4-Dinitrophenol
Concen: 5.571 ng
RT: 14.419 min Scan# 1952
Delta R.T. 0.024 min
Lab File: BP024964.D
Acq: 16 Jun 2025 17:04

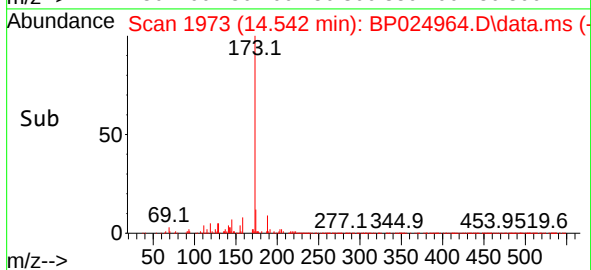
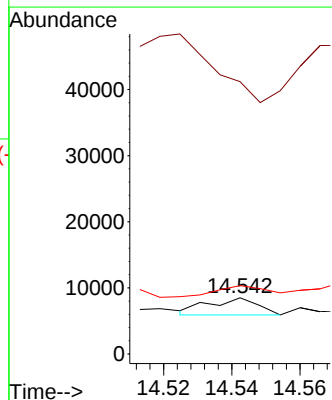
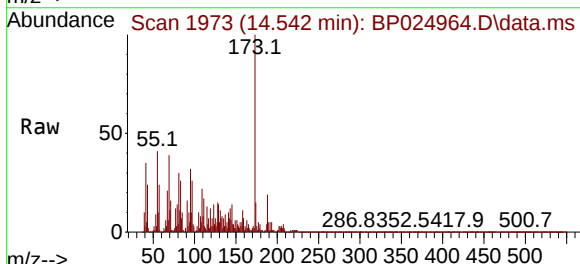
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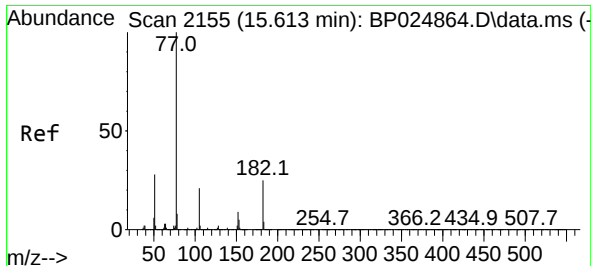
Tgt Ion:184 Resp: 57
Ion Ratio Lower Upper
184 100
63 689.7 51.0 76.4#
154 549.5 51.7 77.5#



#56
4-Nitrophenol
Concen: 5.678 ng
RT: 14.542 min Scan# 1973
Delta R.T. 0.011 min
Lab File: BP024964.D
Acq: 16 Jun 2025 17:04

Tgt Ion:139 Resp: 2583
Ion Ratio Lower Upper
139 100
109 484.6 53.1 93.1#
65 121.5 73.0 113.0#

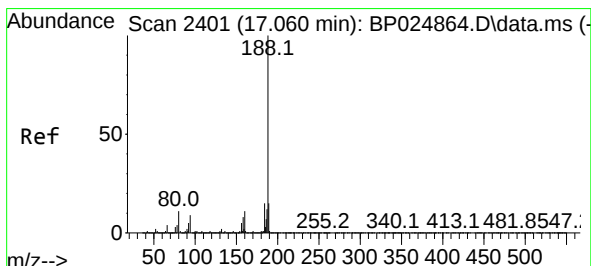
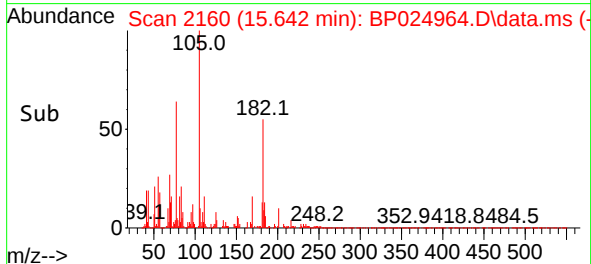
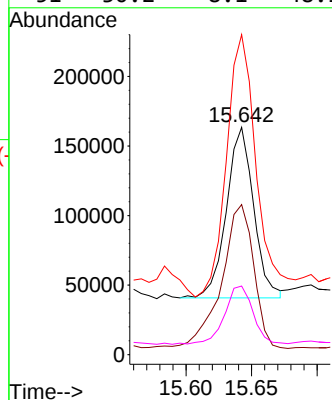
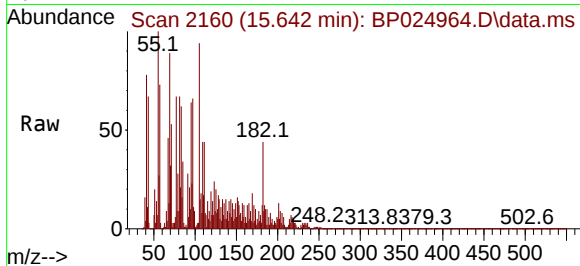




#63
Azobenzene
Concen: 4.084 ng
RT: 15.642 min Scan# 2155
Delta R.T. 0.029 min
Lab File: BP024964.D
Acq: 16 Jun 2025 17:04

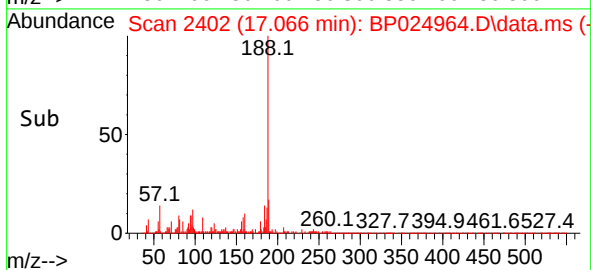
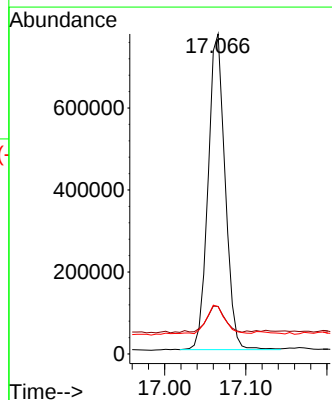
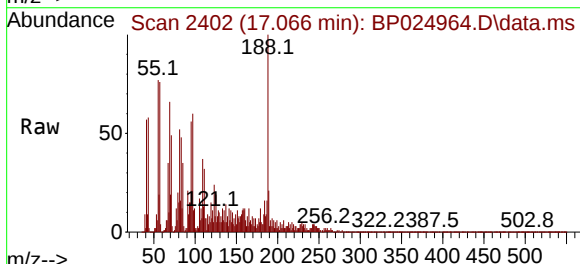
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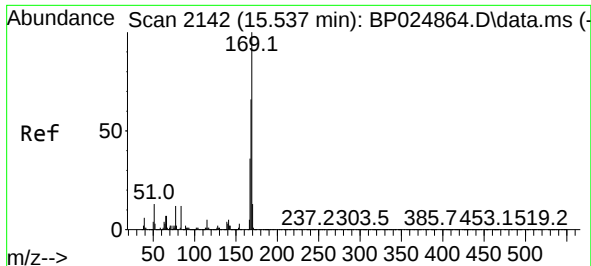
Tgt Ion: 77 Resp: 176583
Ion Ratio Lower Upper
77 100
182 66.0 5.4 45.4#
105 140.7 0.8 40.8#
51 30.2 8.1 48.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.066 min Scan# 2402
Delta R.T. 0.006 min
Lab File: BP024964.D
Acq: 16 Jun 2025 17:04

Tgt Ion:188 Resp: 1120450
Ion Ratio Lower Upper
188 100
94 14.9 7.3 10.9#
80 14.8 8.5 12.7#

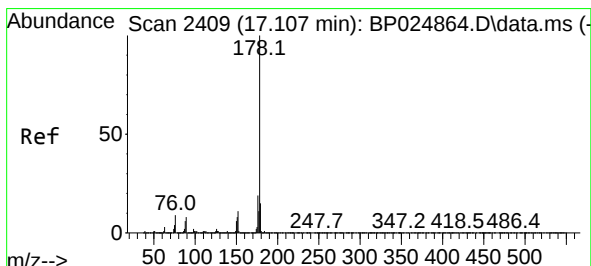
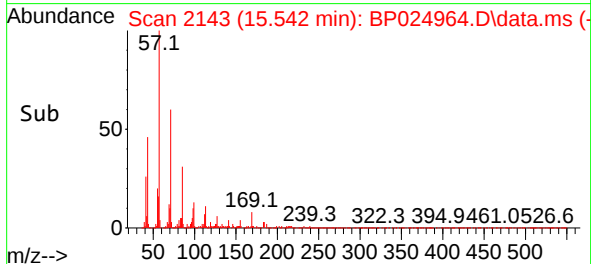
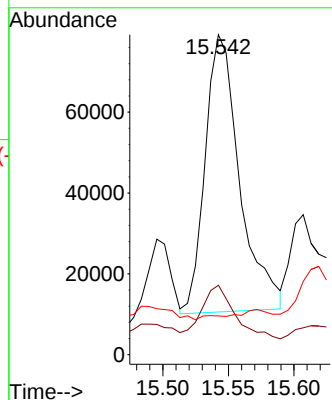
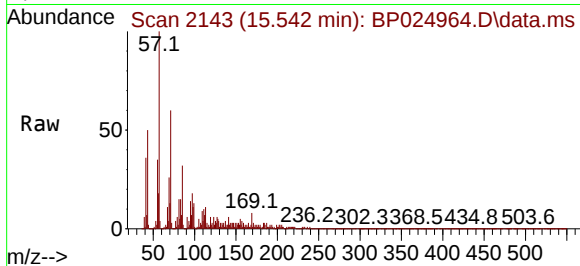




#66
 n-Nitrosodiphenylamine
 Concen: 3.623 ng
 RT: 15.542 min Scan# 2142
 Delta R.T. 0.006 min
 Lab File: BP024964.D
 Acq: 16 Jun 2025 17:04

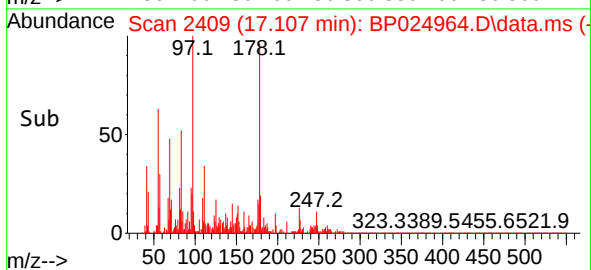
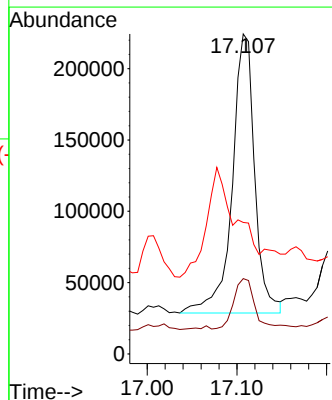
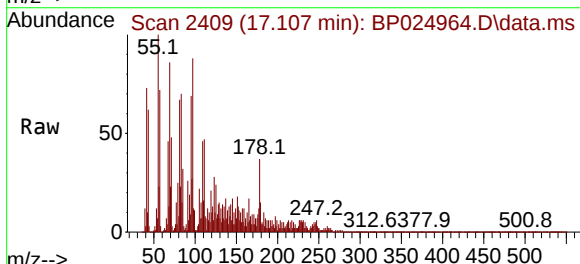
Instrument :
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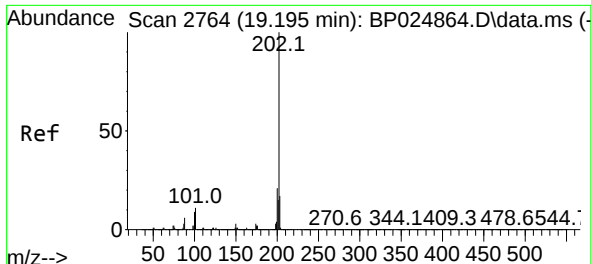
Tgt Ion:169 Resp: 125806
 Ion Ratio Lower Upper
 169 100
 168 21.7 53.0 79.6#
 167 12.1 28.6 43.0#



#71
 Phenanthrene
 Concen: 5.513 ng
 RT: 17.107 min Scan# 2409
 Delta R.T. -0.000 min
 Lab File: BP024964.D
 Acq: 16 Jun 2025 17:04

Tgt Ion:178 Resp: 341342
 Ion Ratio Lower Upper
 178 100
 176 23.5 15.3 22.9#
 179 41.1 12.1 18.1#

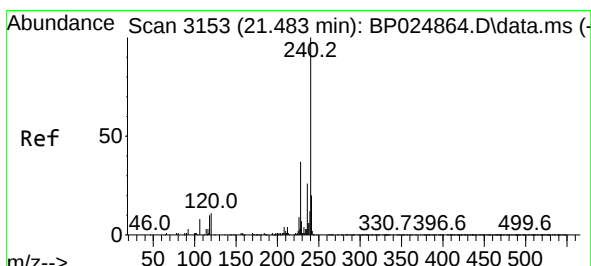
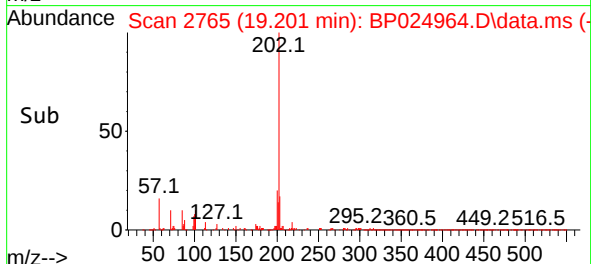
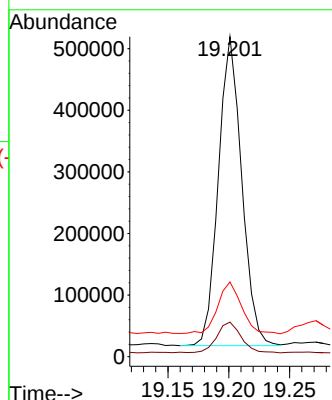
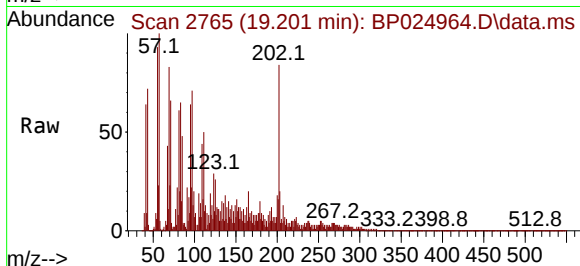




#75
Fluoranthene
Concen: 9.317 ng
RT: 19.201 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024964.D
Acq: 16 Jun 2025 17:04

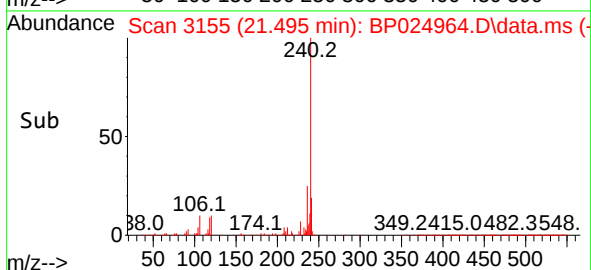
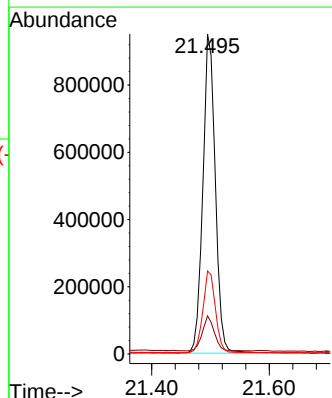
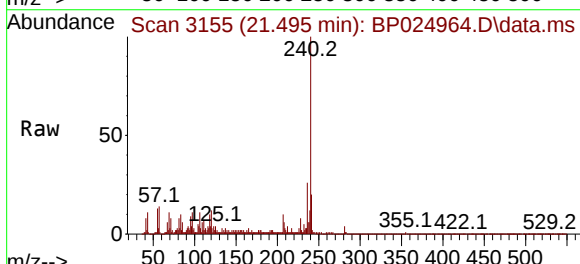
Instrument :
BNA_P
ClientSampleId :
CHRT25653

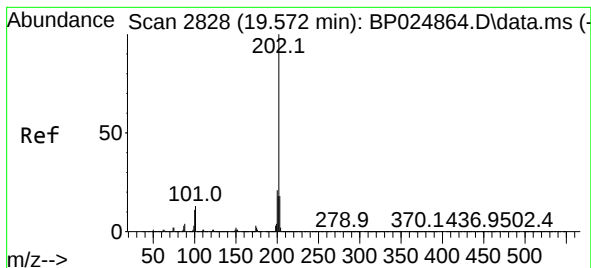
Tgt Ion:202 Resp: 668656
Ion Ratio Lower Upper
202 100
101 10.8 0.0 31.4
203 23.4 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.495 min Scan# 3155
Delta R.T. 0.012 min
Lab File: BP024964.D
Acq: 16 Jun 2025 17:04

Tgt Ion:240 Resp: 1393507
Ion Ratio Lower Upper
240 100
120 11.9 8.9 13.3
236 25.9 20.9 31.3





#78

Pyrene

Concen: 7.469 ng

RT: 19.577 min Scan# 2828

Delta R.T. 0.006 min

Lab File: BP024964.D

Acq: 16 Jun 2025 17:04

Instrument :

BNA_P

ClientSampleId :

CHRT25653

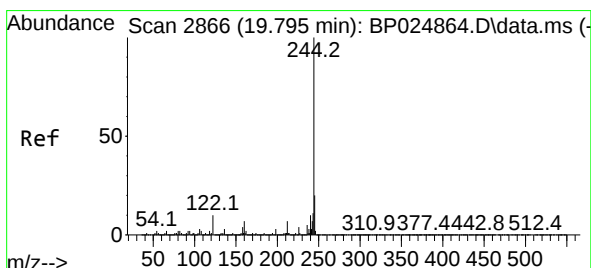
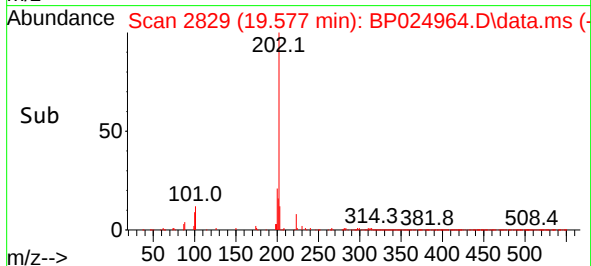
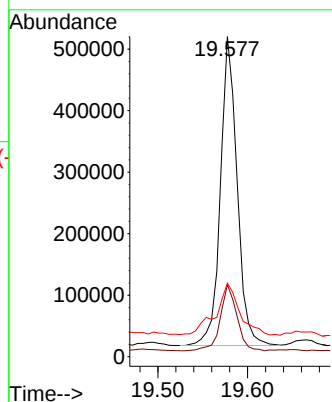
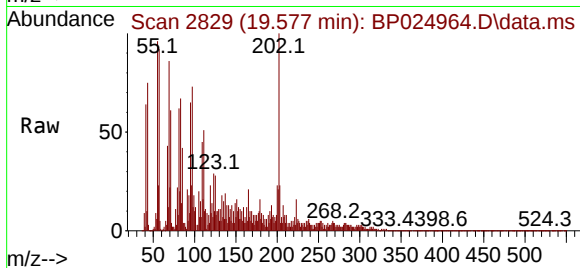
Tgt Ion:202 Resp: 650217

Ion Ratio Lower Upper

202 100

200 22.5 17.1 25.7

203 23.0 14.0 21.0#



#79

Terphenyl-d14

Concen: 39.681 ng

RT: 19.789 min Scan# 2865

Delta R.T. -0.006 min

Lab File: BP024964.D

Acq: 16 Jun 2025 17:04

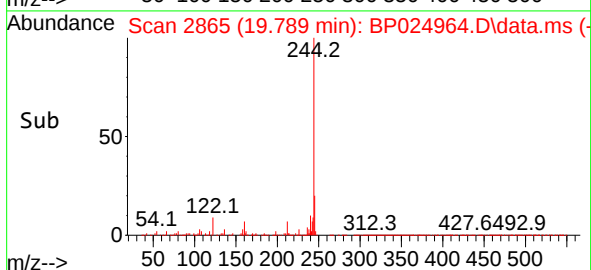
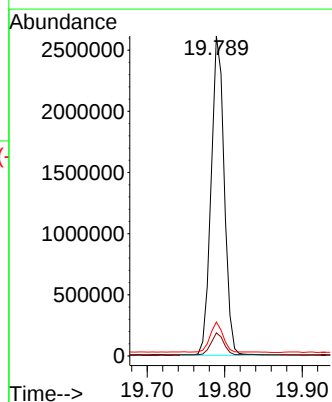
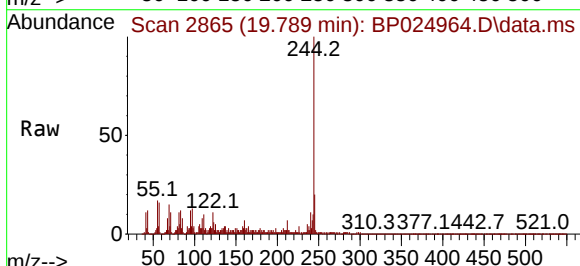
Tgt Ion:244 Resp: 3085292

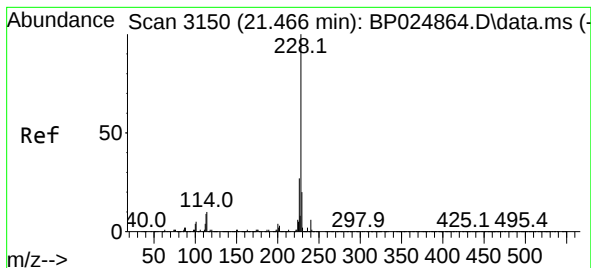
Ion Ratio Lower Upper

244 100

212 7.2 5.6 8.4

122 10.6 7.7 11.5





#81

Benzo(a)anthracene

Concen: 4.075 ng

RT: 21.477 min Scan# 3152

Delta R.T. 0.012 min

Lab File: BP024964.D

Acq: 16 Jun 2025 17:04

Instrument :

BNA_P

ClientSampleId :

CHRT25653

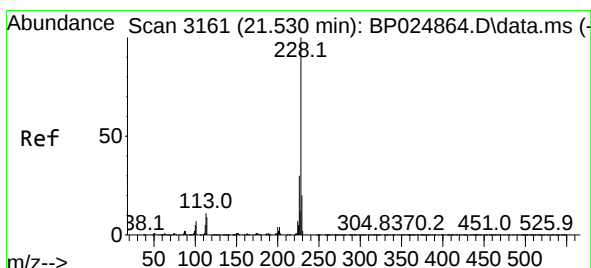
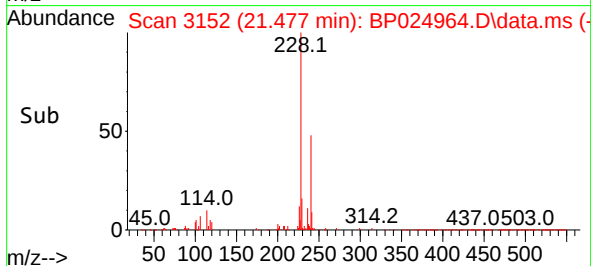
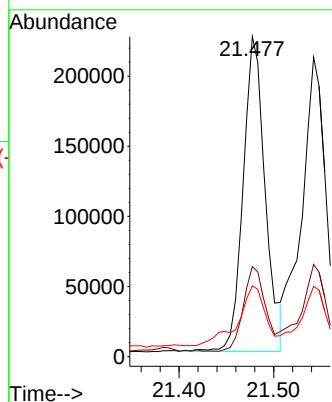
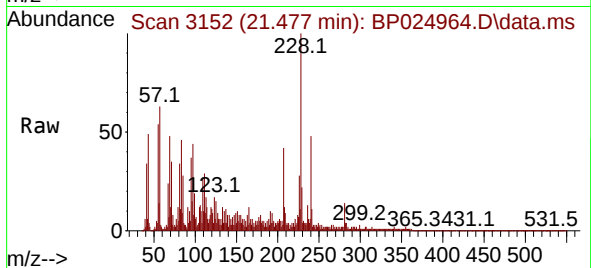
Tgt Ion:228 Resp: 363158

Ion Ratio Lower Upper

228 100

226 28.1 22.1 33.1

229 22.2 15.9 23.9



#83

Chrysene

Concen: 4.300 ng

RT: 21.477 min Scan# 3152

Delta R.T. -0.053 min

Lab File: BP024964.D

Acq: 16 Jun 2025 17:04

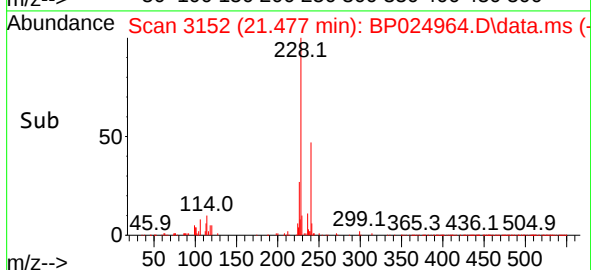
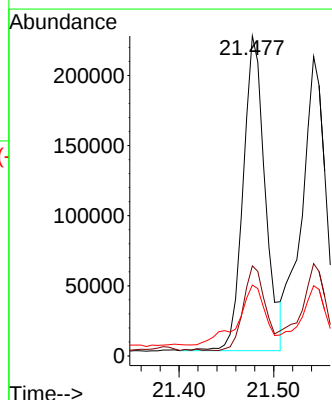
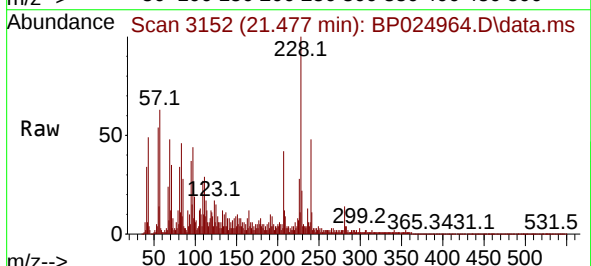
Tgt Ion:228 Resp: 363158

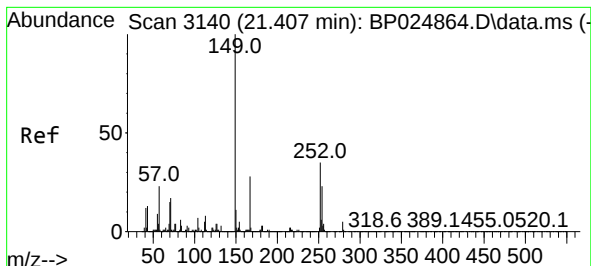
Ion Ratio Lower Upper

228 100

226 28.1 23.8 35.6

229 22.2 15.6 23.4

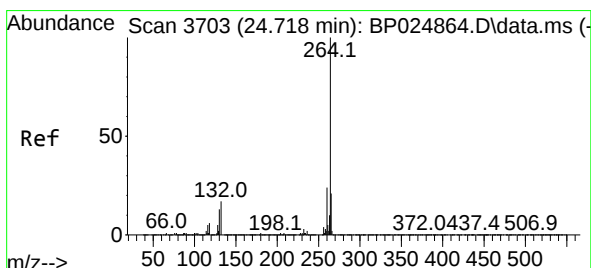
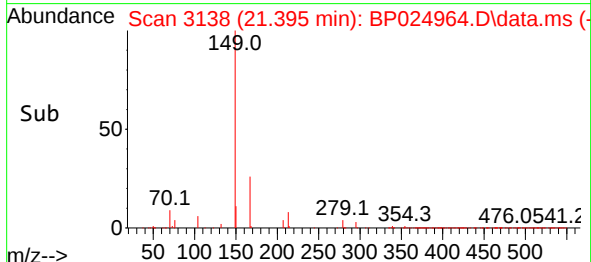
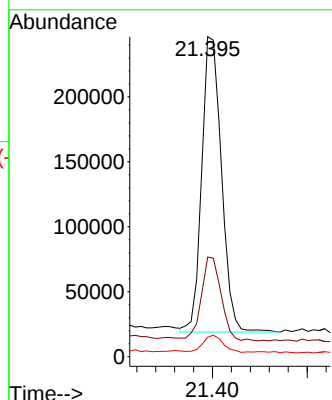
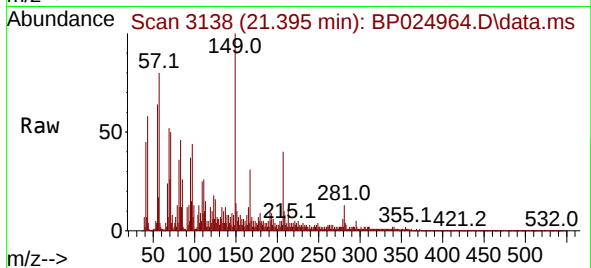




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 5.759 ng
 RT: 21.395 min Scan# 3140
 Delta R.T. -0.012 min
 Lab File: BP024964.D
 Acq: 16 Jun 2025 17:04

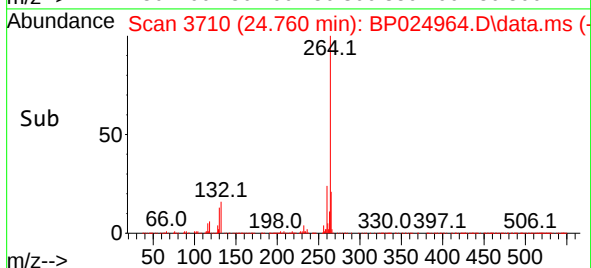
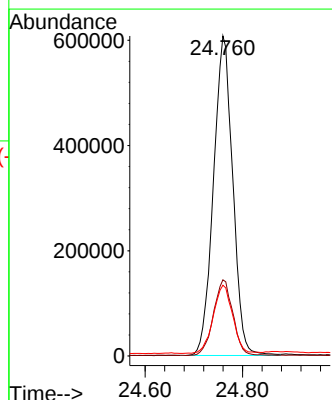
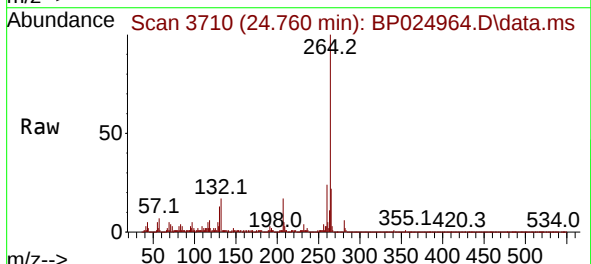
Instrument :
 BNA_P
 ClientSampleId :
 CHRT25653

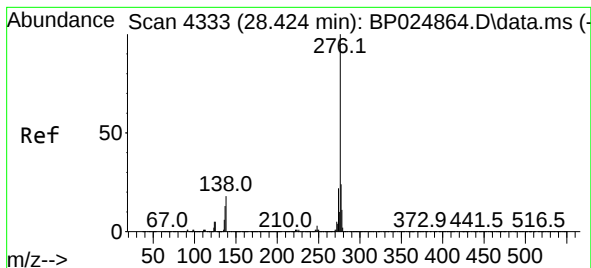
Tgt Ion:149 Resp: 329012
 Ion Ratio Lower Upper
 149 100
 167 31.2 22.2 33.4
 279 6.1 4.0 6.0#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.760 min Scan# 3710
 Delta R.T. 0.041 min
 Lab File: BP024964.D
 Acq: 16 Jun 2025 17:04

Tgt Ion:264 Resp: 1671179
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.0 28.4
 265 22.1 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.412 ng

RT: 28.465 min Scan# 41

Delta R.T. 0.041 min

Lab File: BP024964.D

Acq: 16 Jun 2025 17:04

Instrument :

BNA_P

ClientSampleId :

CHRT25653

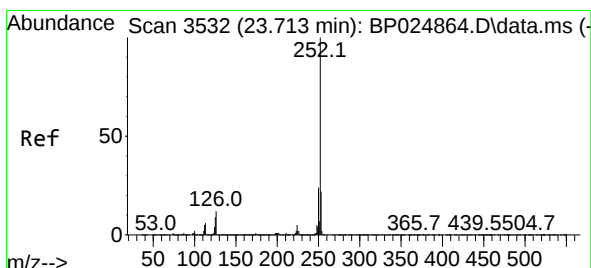
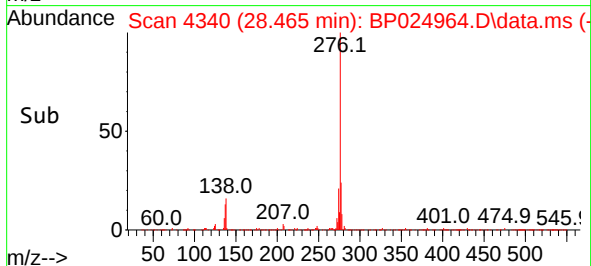
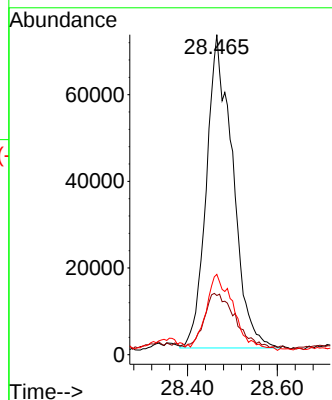
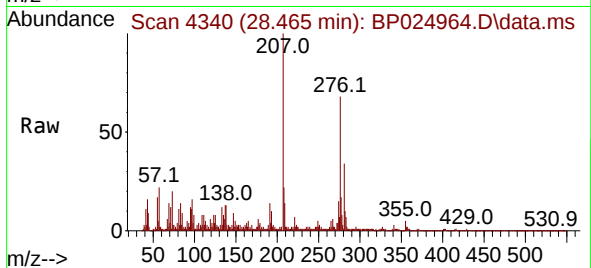
Tgt Ion:276 Resp: 294116

Ion Ratio Lower Upper

276 100

138 19.9 18.6 27.8

277 25.6 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 5.817 ng

RT: 23.730 min Scan# 3535

Delta R.T. 0.018 min

Lab File: BP024964.D

Acq: 16 Jun 2025 17:04

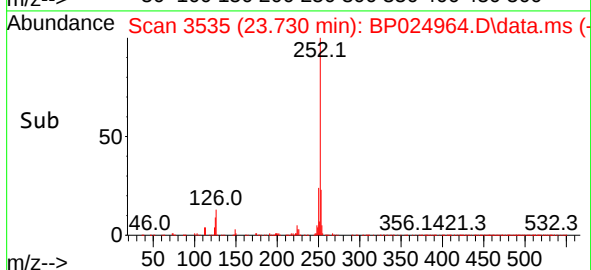
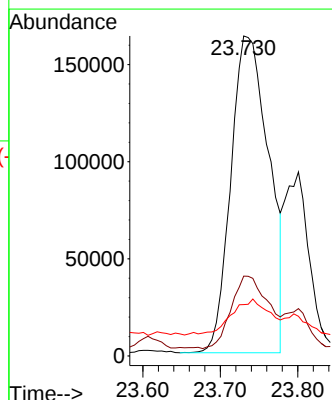
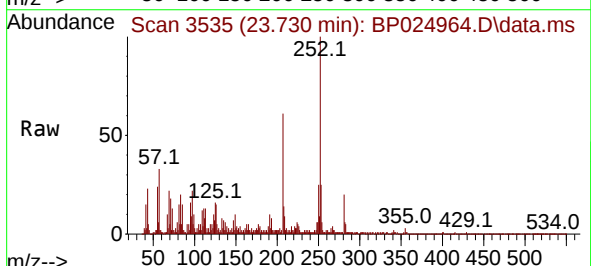
Tgt Ion:252 Resp: 556353

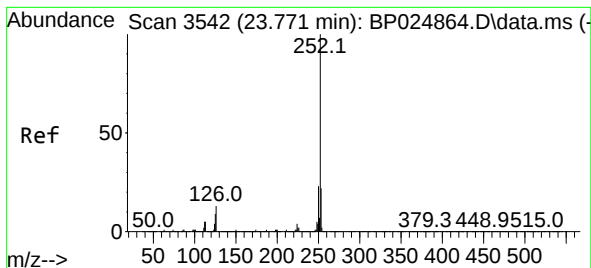
Ion Ratio Lower Upper

252 100

253 25.0 17.6 26.4

125 16.0 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 5.715 ng

RT: 23.730 min Scan# 3535

Delta R.T. -0.041 min

Lab File: BP024964.D

Acq: 16 Jun 2025 17:04

Instrument :

BNA_P

ClientSampleId :

CHRT25653

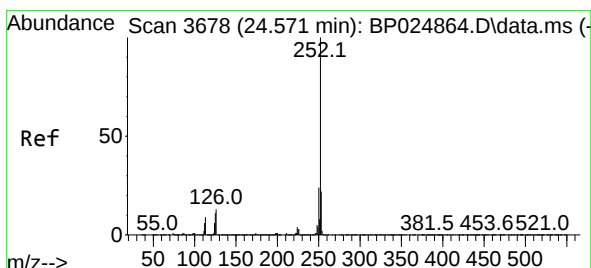
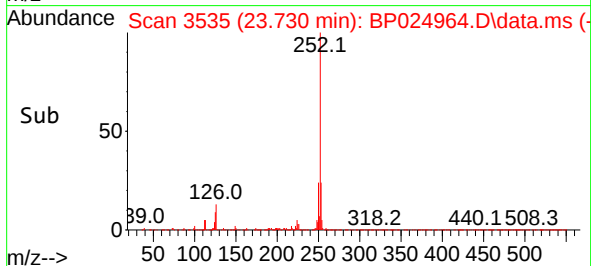
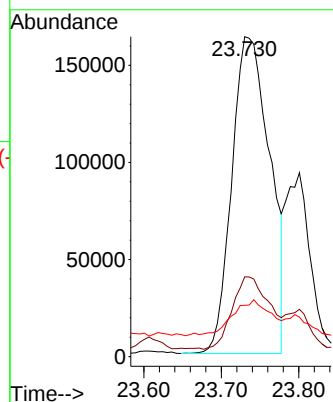
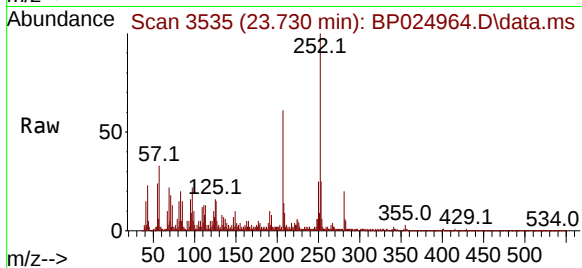
Tgt Ion:252 Resp: 556353

Ion Ratio Lower Upper

252 100

253 25.0 17.7 26.5

125 16.0 7.4 11.0#



#90

Benzo(a)pyrene

Concen: 4.035 ng

RT: 24.607 min Scan# 3684

Delta R.T. 0.035 min

Lab File: BP024964.D

Acq: 16 Jun 2025 17:04

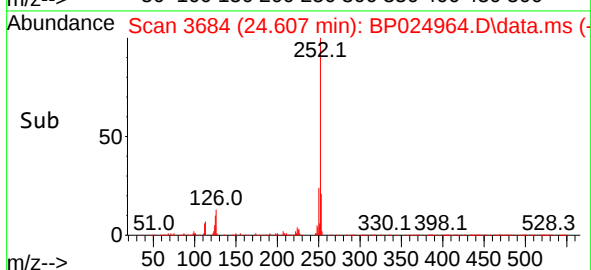
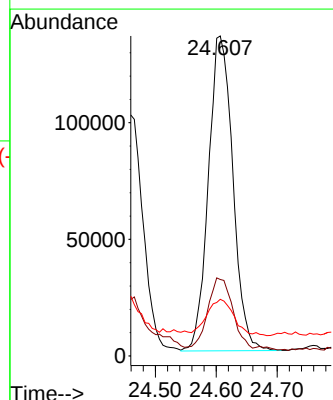
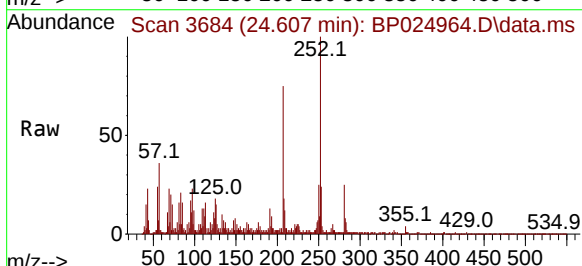
Tgt Ion:252 Resp: 376847

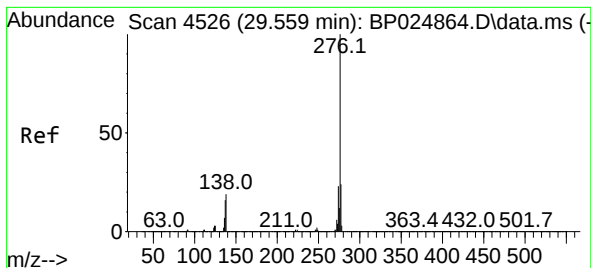
Ion Ratio Lower Upper

252 100

253 23.9 17.5 26.3

125 17.7 8.8 13.2#





#92

Benzo(g,h,i)perylene

Concen: 3.116 ng

RT: 29.636 min Scan# 4

Delta R.T. 0.076 min

Lab File: BP024964.D

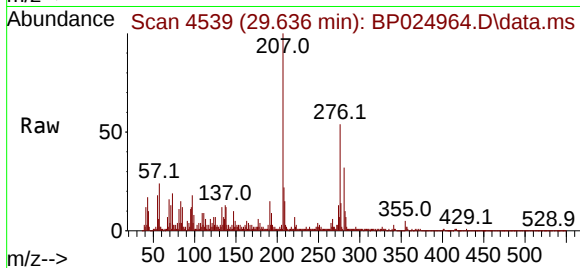
Acq: 16 Jun 2025 17:04

Instrument :

BNA_P

ClientSampleId :

CHRT25653



Tgt Ion:276 Resp: 306886

Ion Ratio Lower Upper

276 100

277 24.9 19.1 28.7

138 21.5 15.4 23.2

