

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061225\
 Data File : BP024927.D
 Acq On : 12 Jun 2025 13:08
 Operator : RC/JU
 Sample : Q2280-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 RT-4643

Quant Time: Jun 12 14:04:00 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)

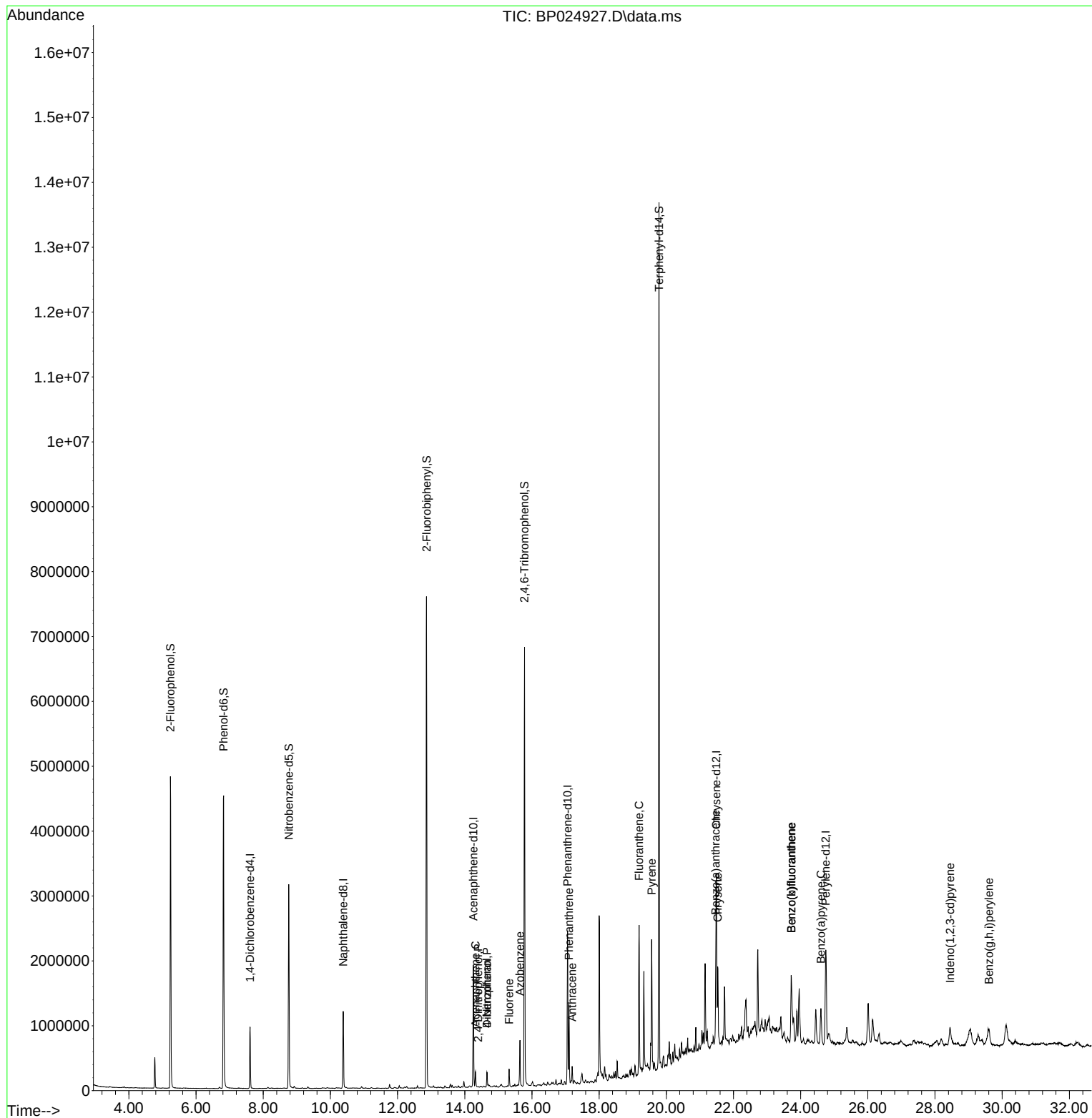
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.607	152	258403	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	1031885	20.000	ng	0.00
39) Acenaphthene-d10	14.254	164	656184	20.000	ng	0.00
64) Phenanthrene-d10	17.060	188	1295931	20.000	ng	0.00
76) Chrysene-d12	21.489	240	1330982	20.000	ng	0.00
86) Perylene-d12	24.748	264	1564802	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.237	112	2198885	142.041	ng	0.00
7) Phenol-d6	6.819	99	2843488	138.825	ng	0.00
23) Nitrobenzene-d5	8.760	82	1770307	83.366	ng	0.00
42) 2,4,6-Tribromophenol	15.778	330	1419857	156.508	ng	0.00
45) 2-Fluorobiphenyl	12.860	172	4062495	83.401	ng	0.00
79) Terphenyl-d14	19.783	244	6398454	86.159	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	14.319	154	86187	2.461	ng	99
54) 2,4-Dinitrophenol	14.395	184	84	5.575	ng	# 1
55) Dibenzofuran	14.660	168	145289	2.585	ng	99
56) 4-Nitrophenol	14.660	139	58311	11.339	ng	# 10
58) Fluorene	15.319	166	119503	2.632	ng	97
63) Azobenzene	15.642	77	174721	3.949	ng	# 1
71) Phenanthrene	17.101	178	647057	9.035	ng	99
72) Anthracene	17.195	178	168164	2.319	ng	99
75) Fluoranthene	19.189	202	1400420	16.872	ng	100
78) Pyrene	19.566	202	1281612	15.413	ng	100
81) Benzo(a)anthracene	21.471	228	561253	6.593	ng	99
83) Chrysene	21.530	228	771953	9.570	ng	97
87) Indeno(1,2,3-cd)pyrene	28.448	276	458899	4.019	ng	95
88) Benzo(b)fluoranthene	23.724	252	1114201	12.442	ng	99
89) Benzo(k)fluoranthene	23.724	252	1114201	12.223	ng	99
90) Benzo(a)pyrene	24.601	252	518569	5.929	ng	98
92) Benzo(g,h,i)perylene	29.606	276	447200	4.850	ng	98

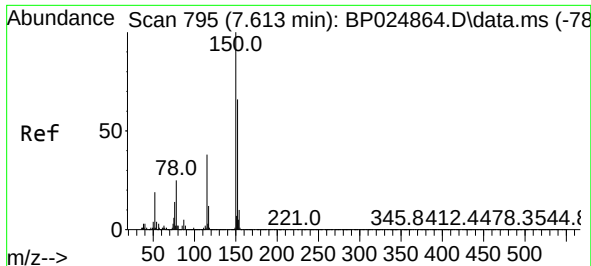
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061225\
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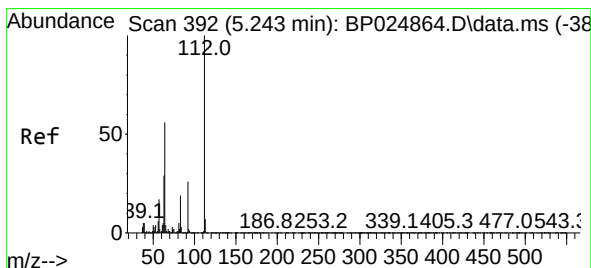
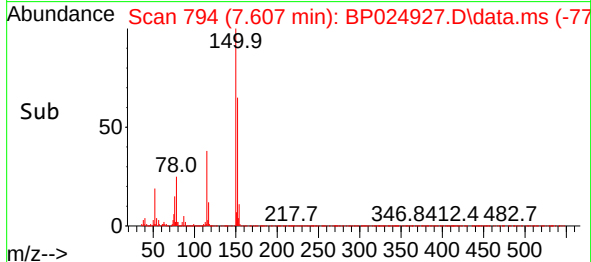
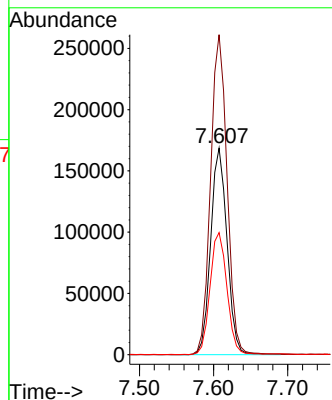
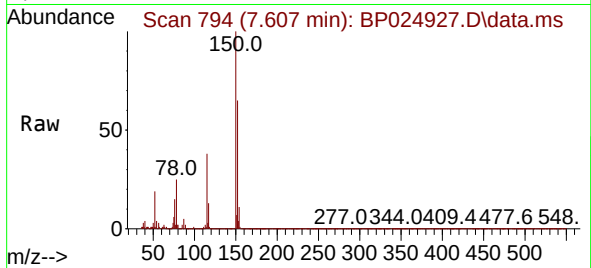




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.607 min Scan# 795
 Delta R.T. -0.006 min
 Lab File: BP024927.D
 Acq: 12 Jun 2025 13:08

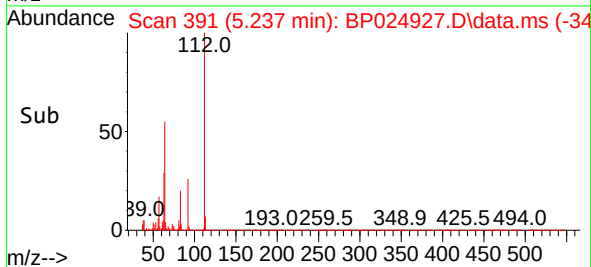
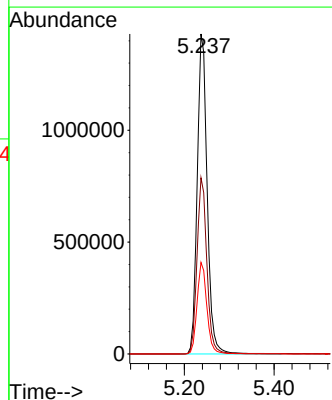
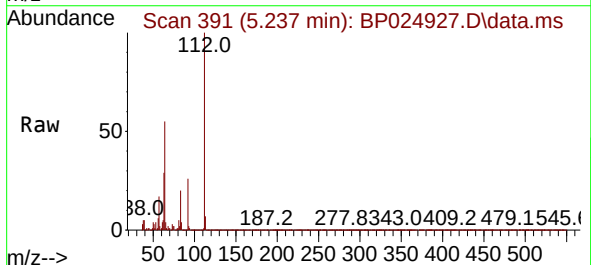
Instrument :
 BNA_P
 ClientSampleId :
 RT-4643

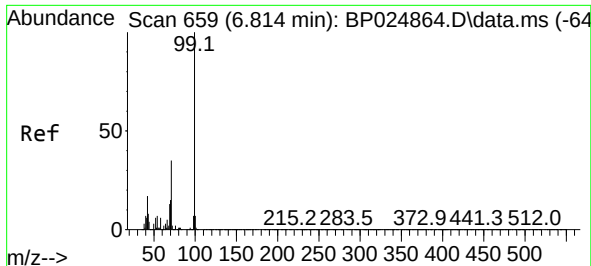
Tgt Ion:152 Resp: 258403
 Ion Ratio Lower Upper
 152 100
 150 154.9 122.1 183.1
 115 59.1 46.4 69.6



#5
 2-Fluorophenol
 Concen: 142.041 ng
 RT: 5.237 min Scan# 391
 Delta R.T. -0.006 min
 Lab File: BP024927.D
 Acq: 12 Jun 2025 13:08

Tgt Ion:112 Resp: 2198885
 Ion Ratio Lower Upper
 112 100
 64 55.1 44.7 67.1
 63 28.6 23.5 35.3

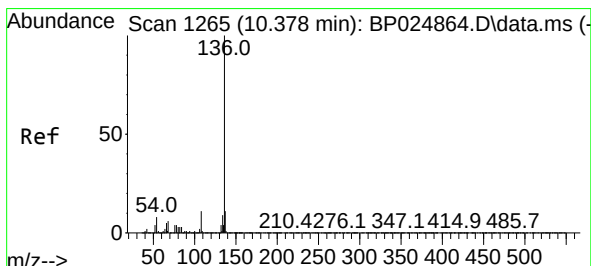
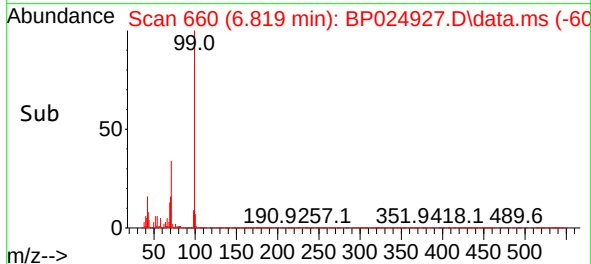
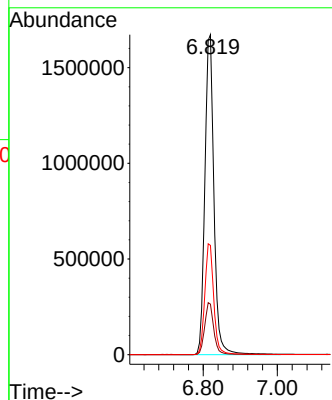
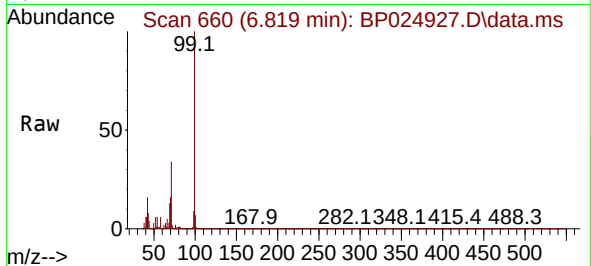




#7
Phenol-d6
Concen: 138.825 ng
RT: 6.819 min Scan# 60
Delta R.T. 0.006 min
Lab File: BP024927.D
Acq: 12 Jun 2025 13:08

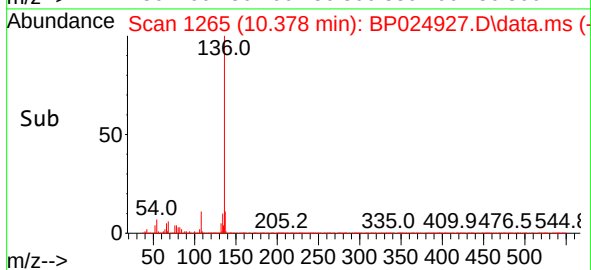
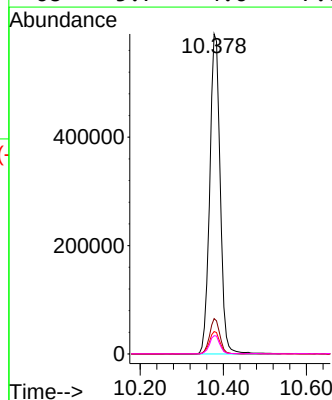
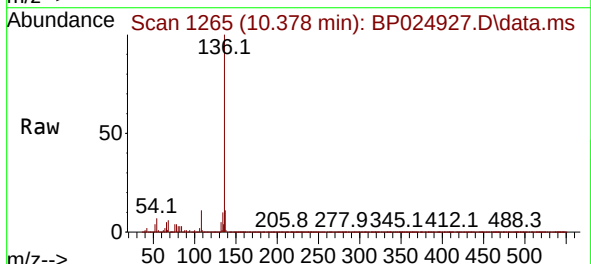
Instrument :
BNA_P
ClientSampleId :
RT-4643

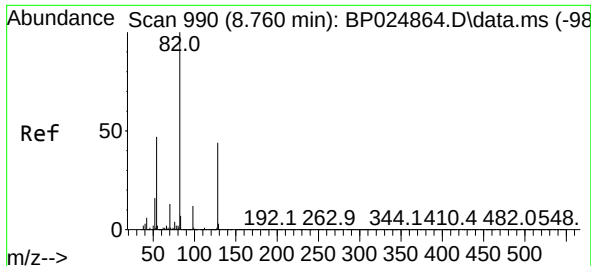
Tgt Ion: 99 Resp: 2843488
Ion Ratio Lower Upper
99 100
42 15.8 13.4 20.2
71 34.2 27.6 41.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BP024927.D
Acq: 12 Jun 2025 13:08

Tgt Ion: 136 Resp: 1031885
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.0 6.1 9.1
68 5.7 4.6 7.0

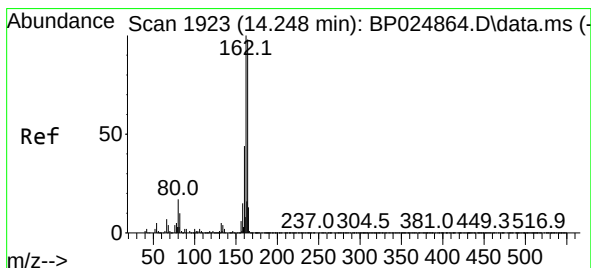
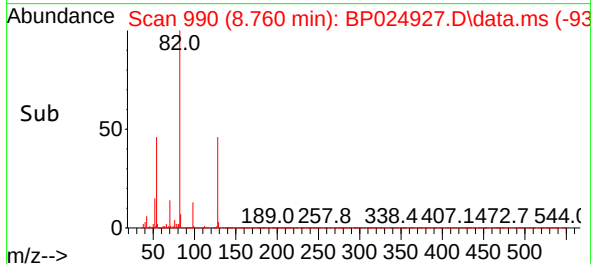
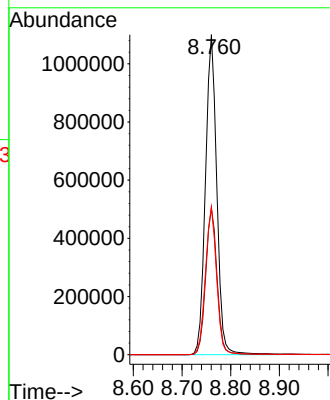
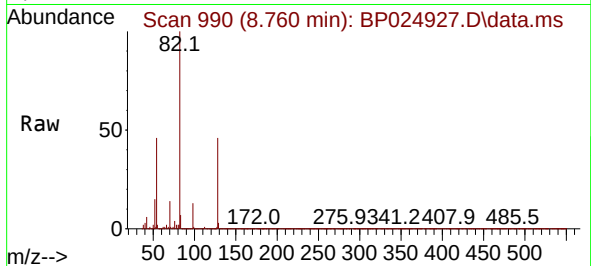




#23
Nitrobenzene-d5
Concen: 83.366 ng
RT: 8.760 min Scan# 990
Delta R.T. -0.000 min
Lab File: BP024927.D
Acq: 12 Jun 2025 13:08

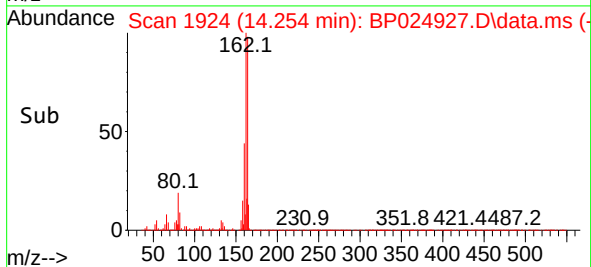
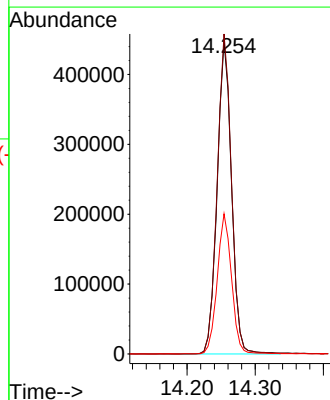
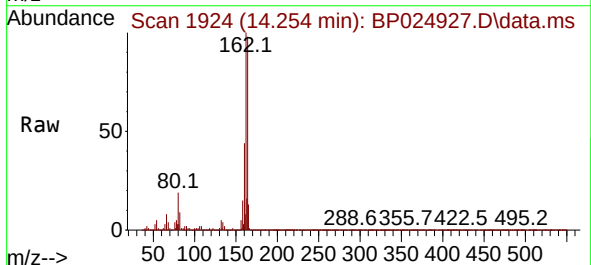
Instrument :
BNA_P
ClientSampleId :
RT-4643

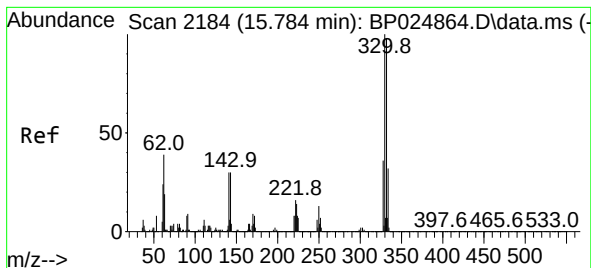
Tgt Ion: 82 Resp: 1770307
Ion Ratio Lower Upper
82 100
128 45.9 35.3 52.9
54 46.2 37.4 56.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.254 min Scan# 1924
Delta R.T. 0.006 min
Lab File: BP024927.D
Acq: 12 Jun 2025 13:08

Tgt Ion:164 Resp: 656184
Ion Ratio Lower Upper
164 100
162 102.4 81.6 122.4
160 44.9 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 156.508 ng

RT: 15.778 min Scan# 2184

Delta R.T. -0.006 min

Lab File: BP024927.D

Acq: 12 Jun 2025 13:08

Instrument :

BNA_P

ClientSampleId :

RT-4643

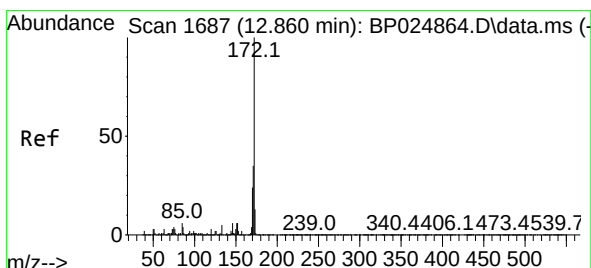
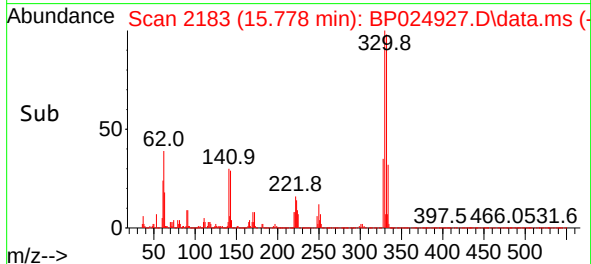
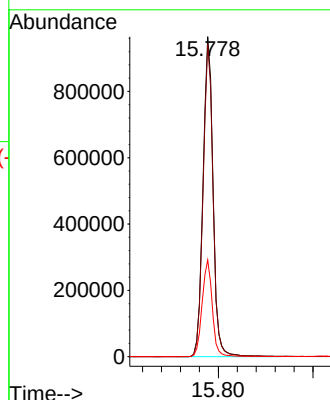
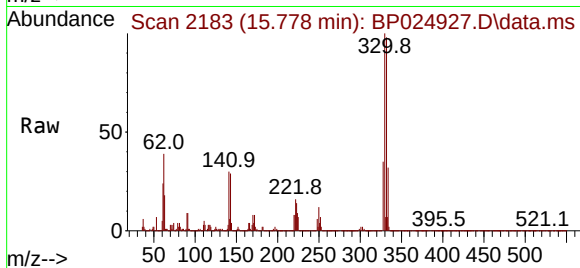
Tgt Ion:330 Resp: 1419857

Ion Ratio Lower Upper

330 100

332 96.9 77.7 116.5

141 30.4 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 83.401 ng

RT: 12.860 min Scan# 1687

Delta R.T. -0.000 min

Lab File: BP024927.D

Acq: 12 Jun 2025 13:08

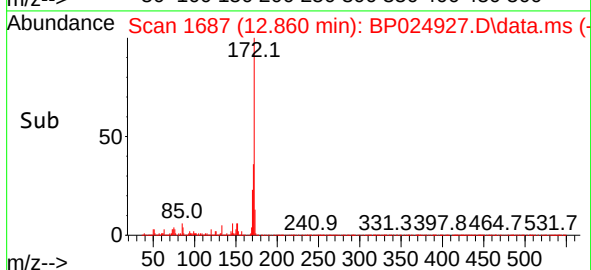
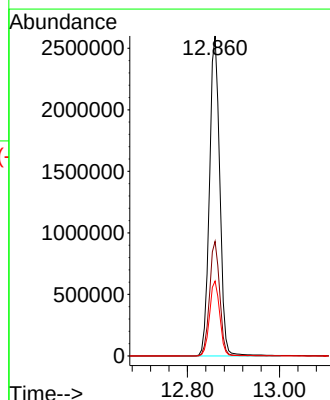
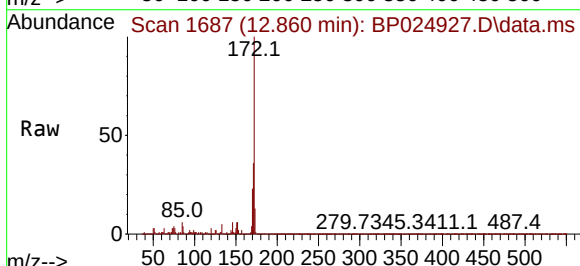
Tgt Ion:172 Resp: 4062495

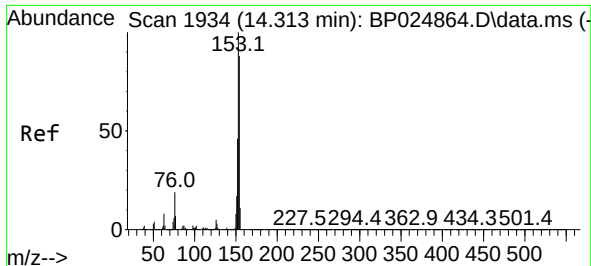
Ion Ratio Lower Upper

172 100

171 35.8 28.3 42.5

170 23.4 19.0 28.4

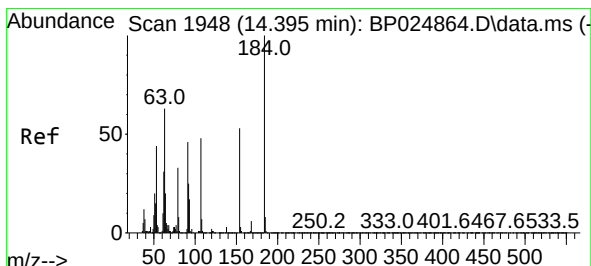
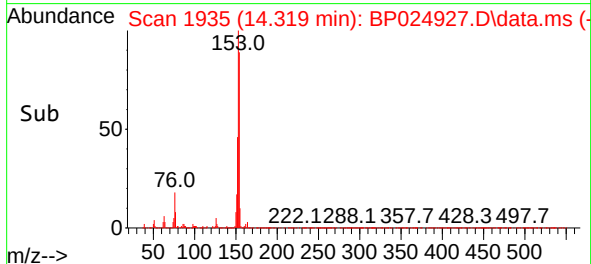
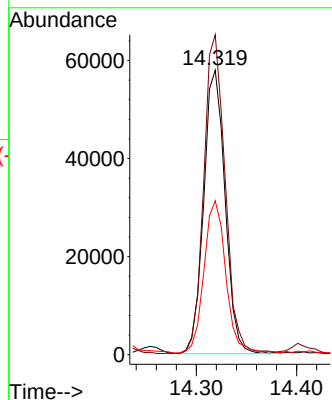
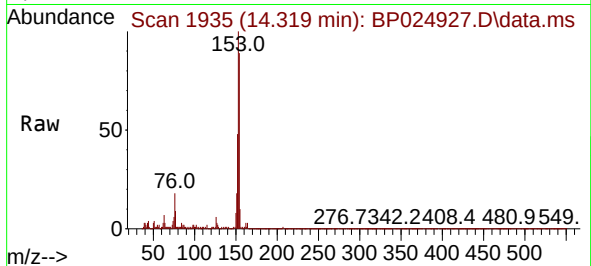




#52
Acenaphthene
Concen: 2.461 ng
RT: 14.319 min Scan# 1934
Delta R.T. 0.006 min
Lab File: BP024927.D
Acq: 12 Jun 2025 13:08

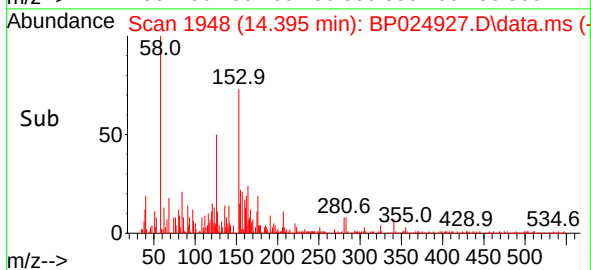
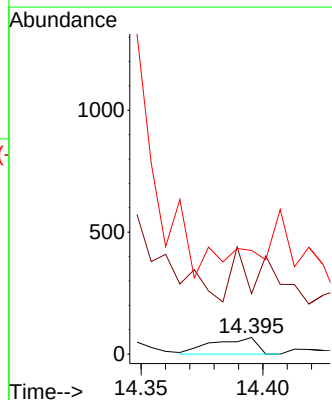
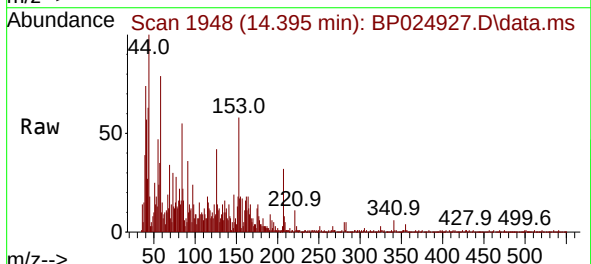
Instrument :
BNA_P
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RT-4643

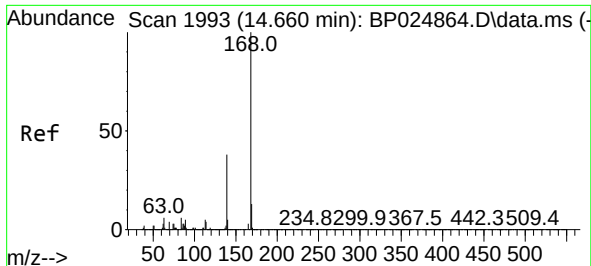
Tgt Ion:154 Resp: 86187
Ion Ratio Lower Upper
154 100
153 112.5 90.5 135.7
152 54.1 42.1 63.1



#54
2,4-Dinitrophenol
Concen: 5.575 ng
RT: 14.395 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BP024927.D
Acq: 12 Jun 2025 13:08

Tgt Ion:184 Resp: 84
Ion Ratio Lower Upper
184 100
63 363.2 51.0 76.4#
154 625.0 51.7 77.5#

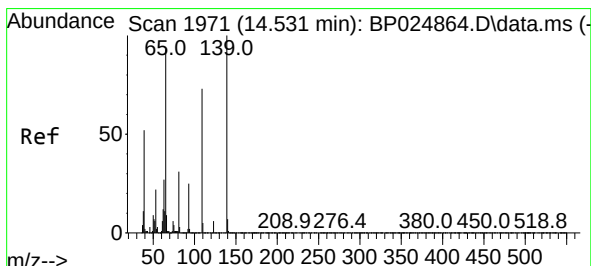
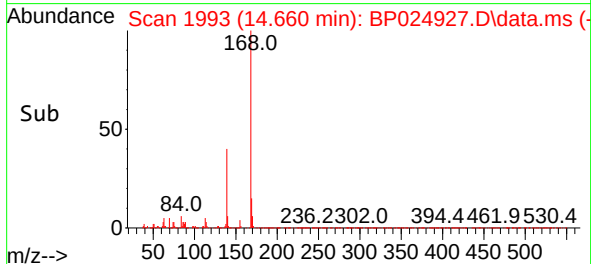
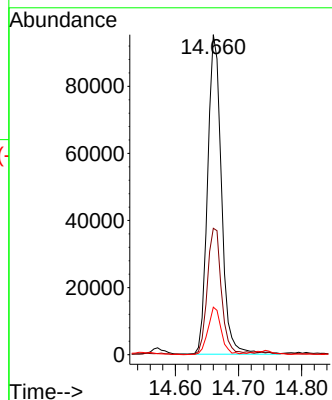
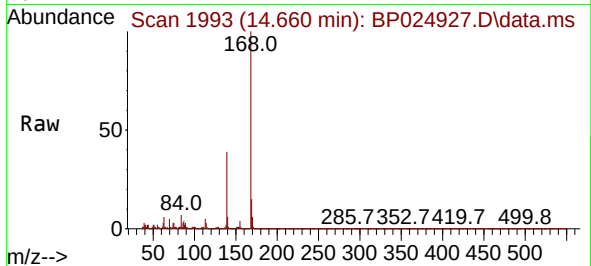




#55
Dibenzenofuran
Concen: 2.585 ng
RT: 14.660 min Scan# 1993
Delta R.T. -0.000 min
Lab File: BP024927.D
Acq: 12 Jun 2025 13:08

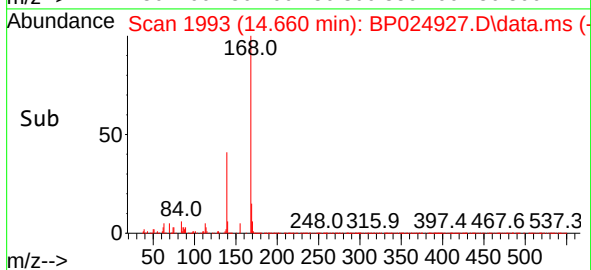
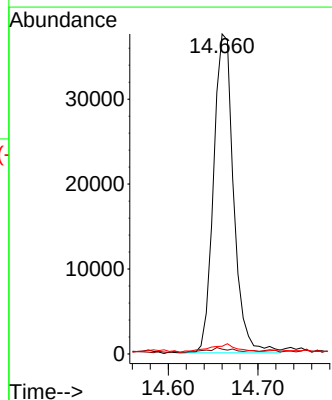
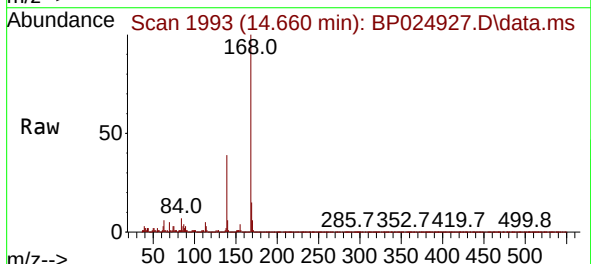
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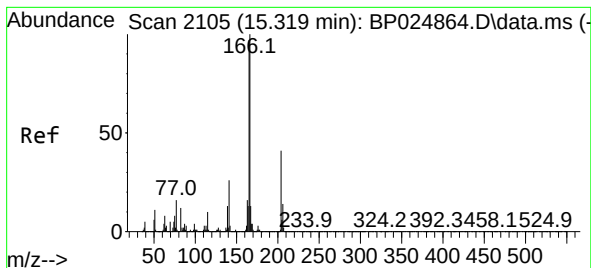
Tgt Ion:168 Resp: 145289
Ion Ratio Lower Upper
168 100
139 39.5 31.6 47.4
169 14.9 10.6 15.8



#56
4-Nitrophenol
Concen: 11.339 ng
RT: 14.660 min Scan# 1993
Delta R.T. 0.129 min
Lab File: BP024927.D
Acq: 12 Jun 2025 13:08

Tgt Ion:139 Resp: 58311
Ion Ratio Lower Upper
139 100
109 1.5 53.1 93.1#
65 2.4 73.0 113.0#





#58

Fluorene

Concen: 2.632 ng

RT: 15.319 min Scan# 2105

Delta R.T. -0.000 min

Lab File: BP024927.D

Acq: 12 Jun 2025 13:08

Instrument :

BNA_P

ClientSampleId :

RT-4643

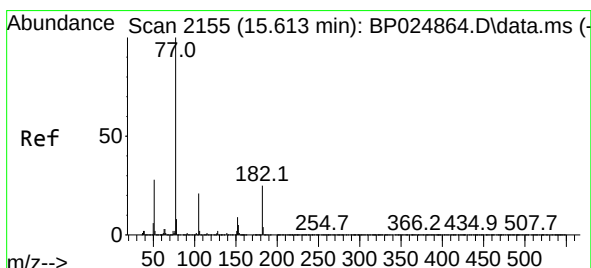
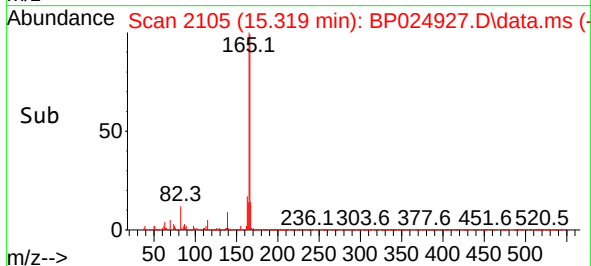
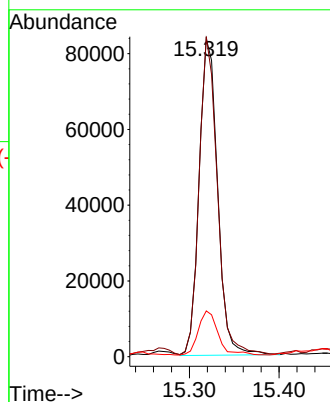
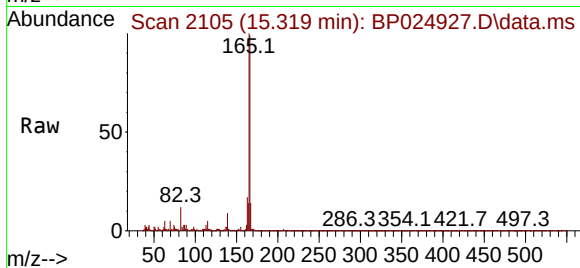
Tgt Ion:166 Resp: 119503

Ion Ratio Lower Upper

166 100

165 100.6 77.7 116.5

167 14.4 10.6 16.0



#63

Azobenzene

Concen: 3.949 ng

RT: 15.642 min Scan# 2160

Delta R.T. 0.029 min

Lab File: BP024927.D

Acq: 12 Jun 2025 13:08

Tgt Ion: 77 Resp: 174721

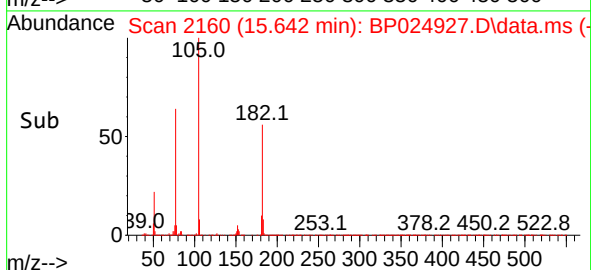
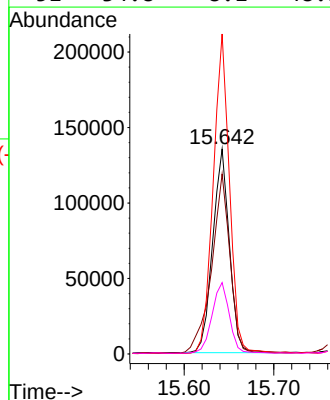
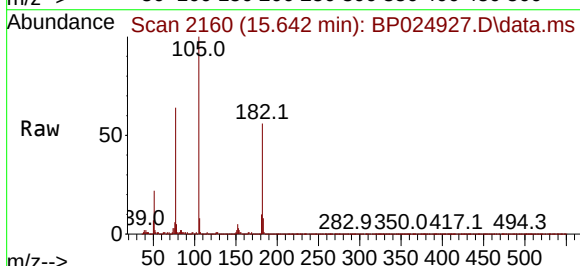
Ion Ratio Lower Upper

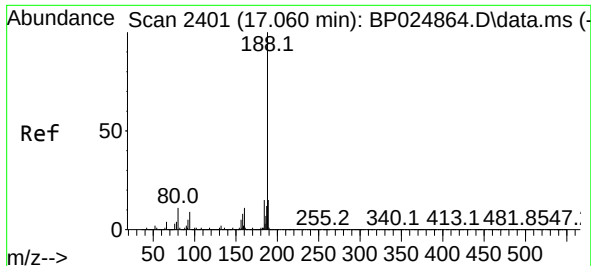
77 100

182 87.9 5.4 45.4#

105 156.2 0.8 40.8#

51 34.8 8.1 48.1

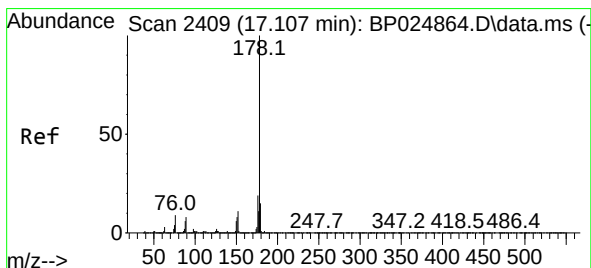
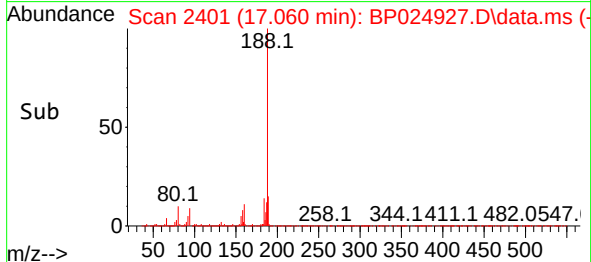
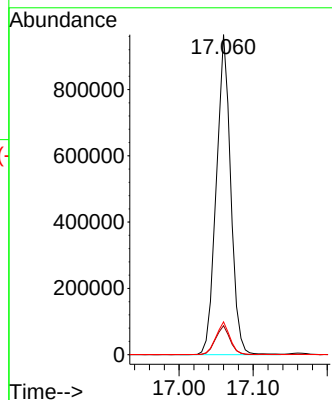
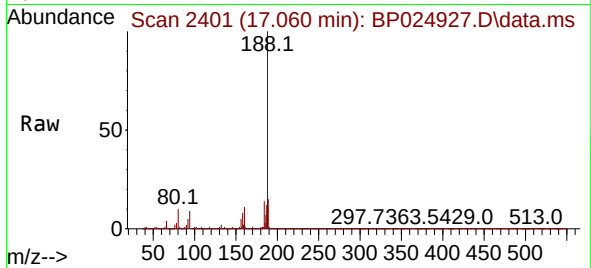




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.060 min Scan# 2401
Delta R.T. -0.000 min
Lab File: BP024927.D
Acq: 12 Jun 2025 13:08

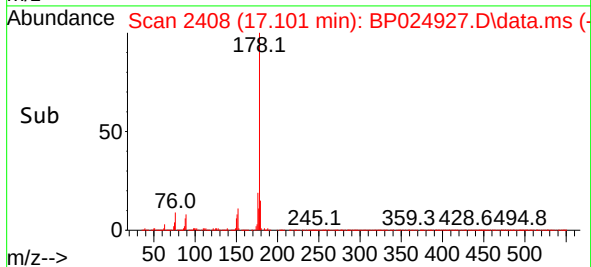
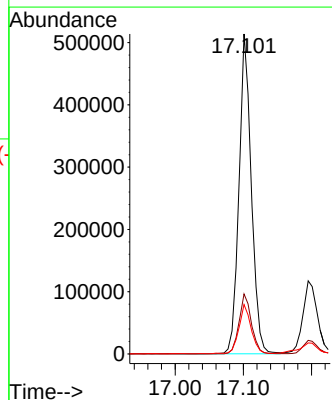
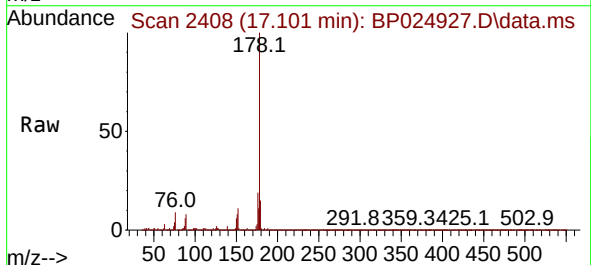
Instrument :
BNA_P
ClientSampleId :
RT-4643

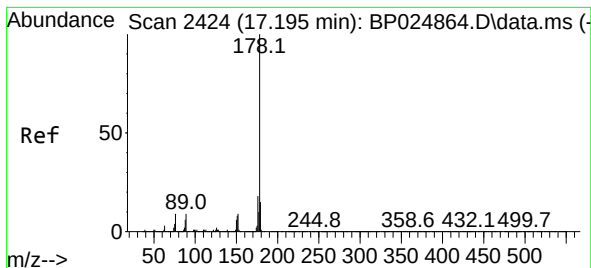
Tgt Ion:188 Resp: 1295931
Ion Ratio Lower Upper
188 100
94 9.1 7.3 10.9
80 10.3 8.5 12.7



#71
Phenanthrene
Concen: 9.035 ng
RT: 17.101 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BP024927.D
Acq: 12 Jun 2025 13:08

Tgt Ion:178 Resp: 647057
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 15.5 12.1 18.1





#72

Anthracene

Concen: 2.319 ng

RT: 17.195 min Scan# 24

Delta R.T. -0.000 min

Lab File: BP024927.D

Acq: 12 Jun 2025 13:08

Instrument :

BNA_P

ClientSampleId :

RT-4643

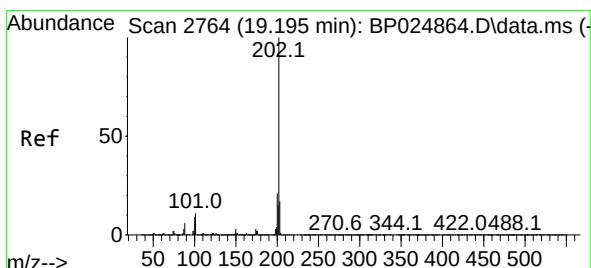
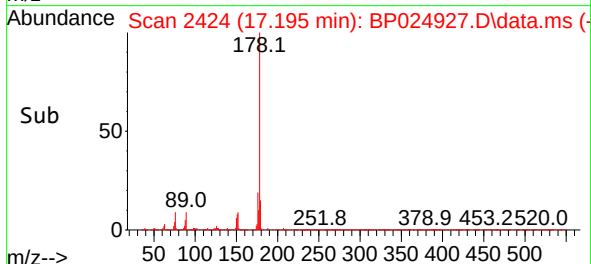
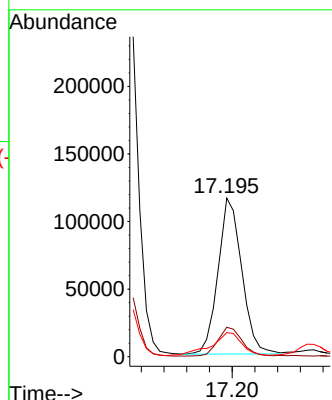
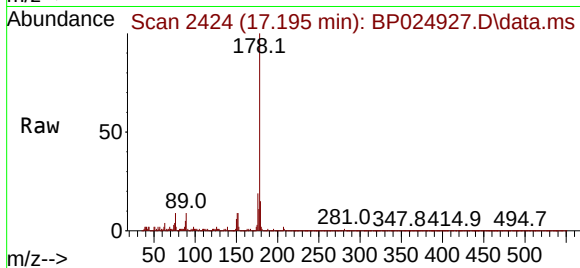
Tgt Ion:178 Resp: 168164

Ion Ratio Lower Upper

178 100

176 18.6 14.7 22.1

179 15.1 12.3 18.5



#75

Fluoranthene

Concen: 16.872 ng

RT: 19.189 min Scan# 2763

Delta R.T. -0.006 min

Lab File: BP024927.D

Acq: 12 Jun 2025 13:08

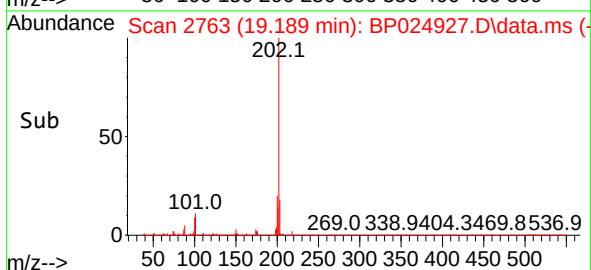
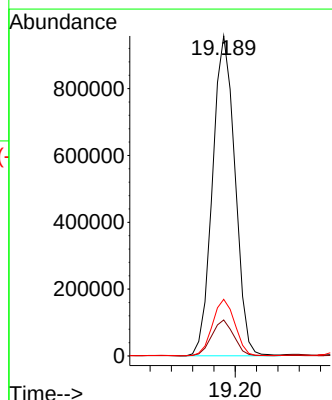
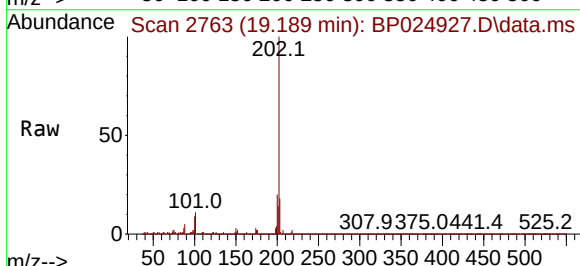
Tgt Ion:202 Resp: 1400420

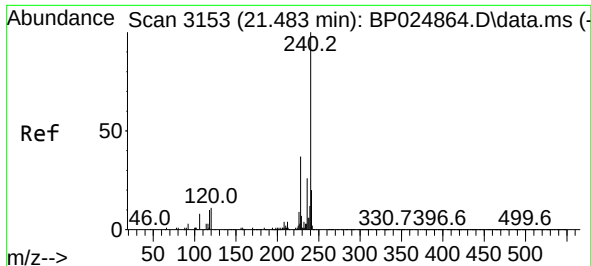
Ion Ratio Lower Upper

202 100

101 11.3 0.0 31.4

203 17.7 0.0 37.5

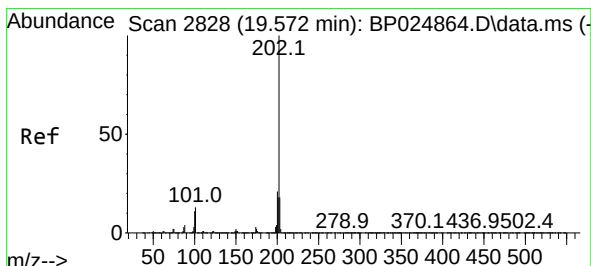
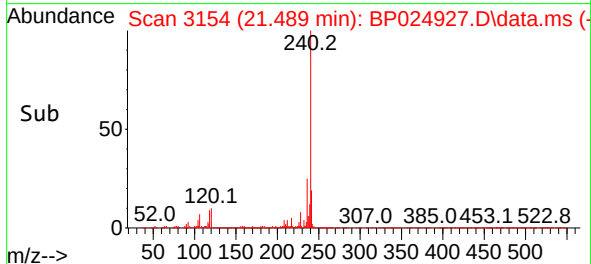
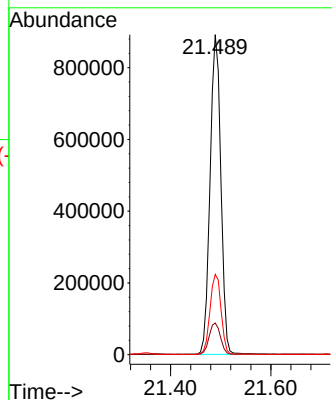
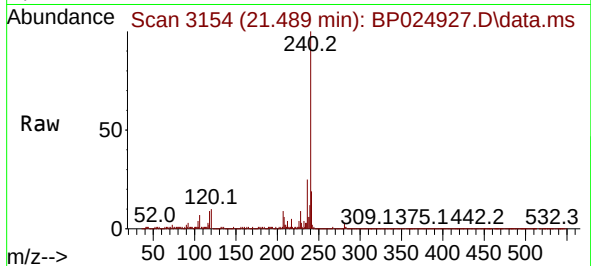




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.489 min Scan# 3154
Delta R.T. 0.006 min
Lab File: BP024927.D
Acq: 12 Jun 2025 13:08

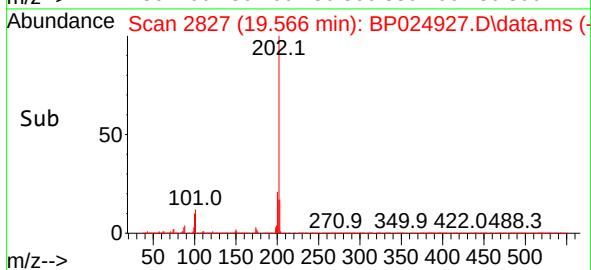
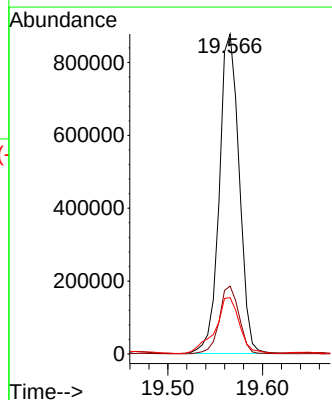
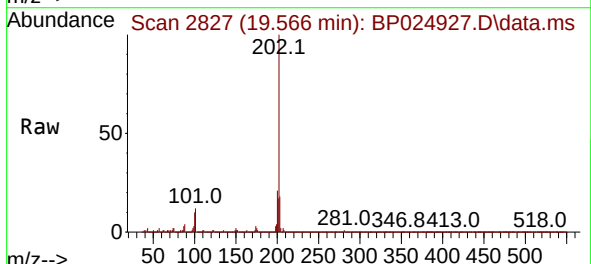
Instrument :
BNA_P
ClientSampleId :
RT-4643

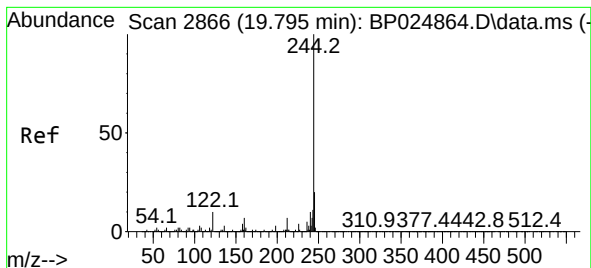
Tgt Ion:240 Resp: 1330982
Ion Ratio Lower Upper
240 100
120 9.9 8.9 13.3
236 25.1 20.9 31.3



#78
Pyrene
Concen: 15.413 ng
RT: 19.566 min Scan# 2827
Delta R.T. -0.006 min
Lab File: BP024927.D
Acq: 12 Jun 2025 13:08

Tgt Ion:202 Resp: 1281612
Ion Ratio Lower Upper
202 100
200 21.2 17.1 25.7
203 17.6 14.0 21.0





#79

Terphenyl-d14

Concen: 86.159 ng

RT: 19.783 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP024927.D

Acq: 12 Jun 2025 13:08

Instrument :

BNA_P

ClientSampleId :

RT-4643

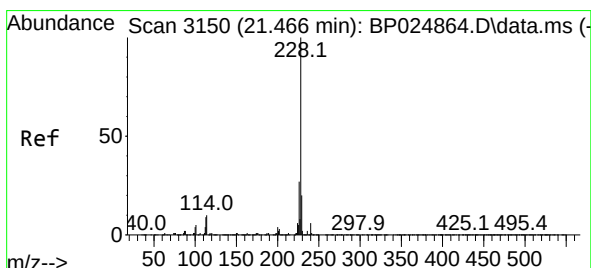
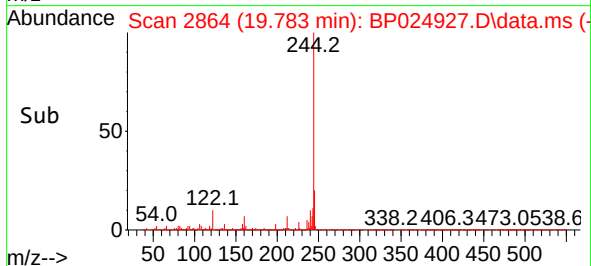
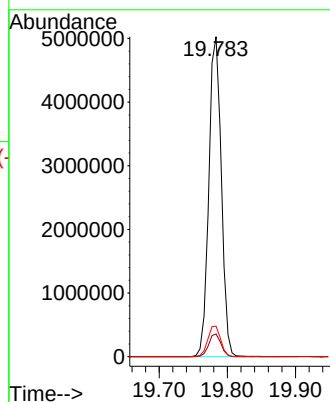
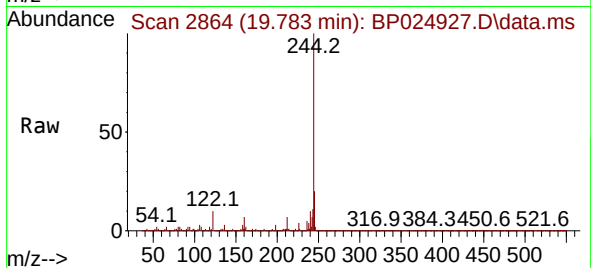
Tgt Ion:244 Resp: 6398454

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

122 9.5 7.7 11.5



#81

Benzo(a)anthracene

Concen: 6.593 ng

RT: 21.471 min Scan# 3151

Delta R.T. 0.006 min

Lab File: BP024927.D

Acq: 12 Jun 2025 13:08

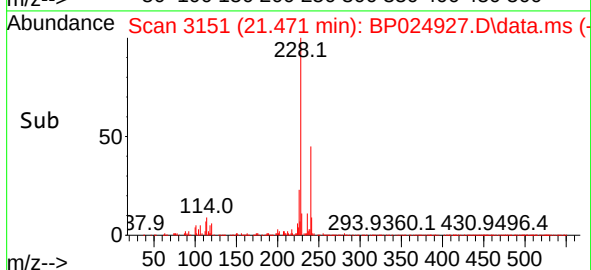
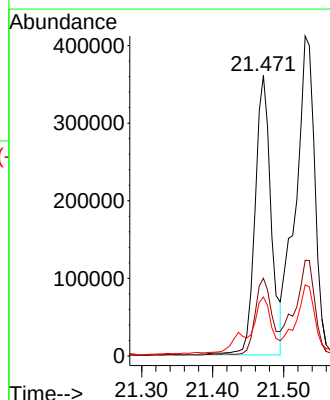
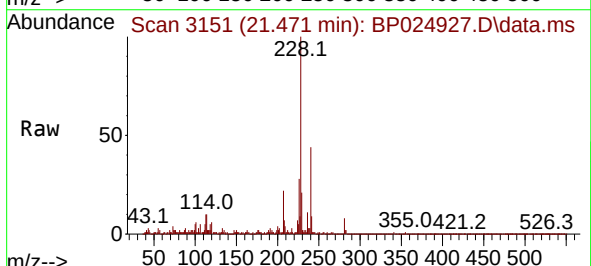
Tgt Ion:228 Resp: 561253

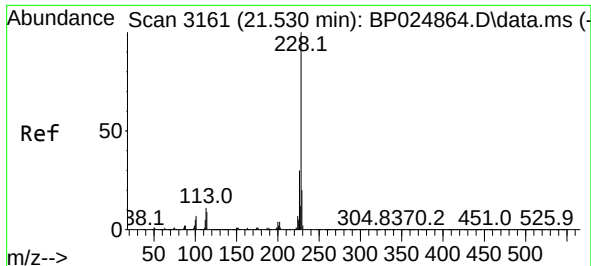
Ion Ratio Lower Upper

228 100

226 27.7 22.1 33.1

229 21.0 15.9 23.9

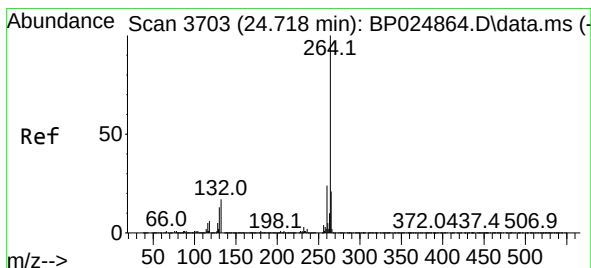
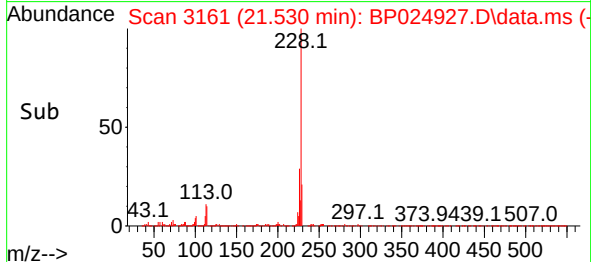
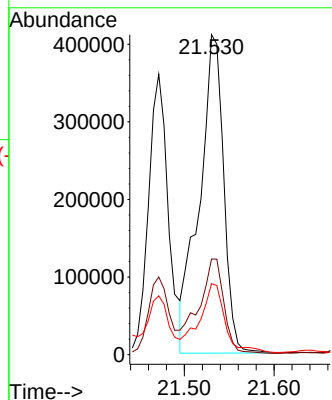
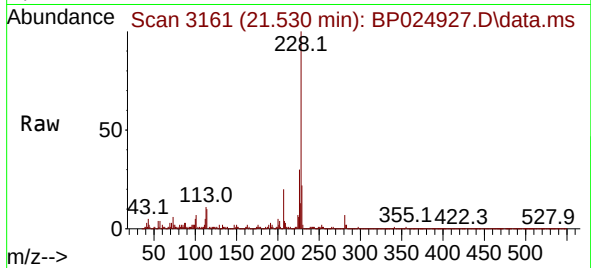




#83
Chrysene
Concen: 9.570 ng
RT: 21.530 min Scan# 3161
Delta R.T. -0.000 min
Lab File: BP024927.D
Acq: 12 Jun 2025 13:08

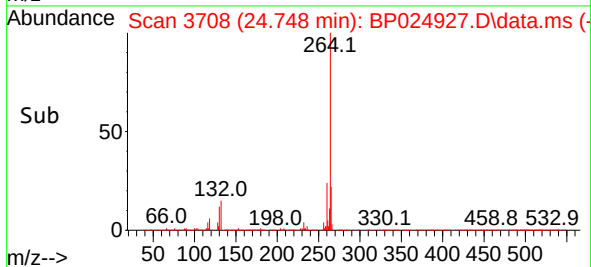
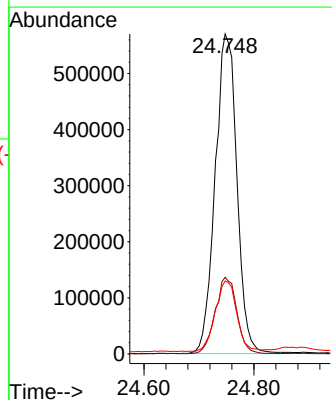
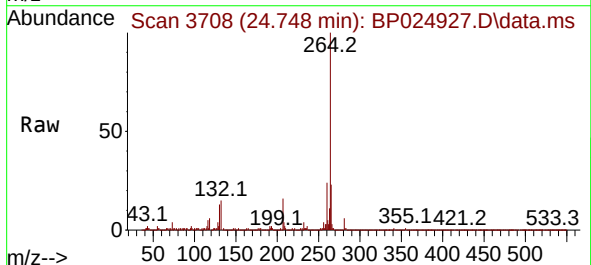
Instrument :
BNA_P
ClientSampleId :
RT-4643

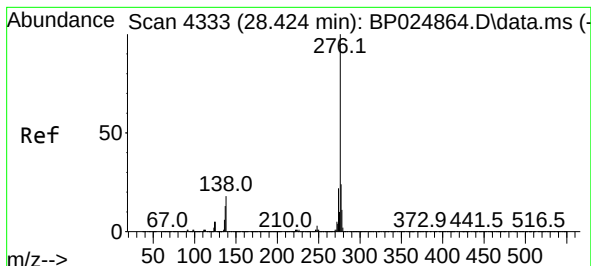
Tgt Ion:228 Resp: 771953
Ion Ratio Lower Upper
228 100
226 29.9 23.8 35.6
229 22.2 15.6 23.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.748 min Scan# 3708
Delta R.T. 0.029 min
Lab File: BP024927.D
Acq: 12 Jun 2025 13:08

Tgt Ion:264 Resp: 1564802
Ion Ratio Lower Upper
264 100
260 23.9 19.0 28.4
265 22.8 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.019 ng

RT: 28.448 min Scan# 41

Delta R.T. 0.023 min

Lab File: BP024927.D

Acq: 12 Jun 2025 13:08

Instrument :

BNA_P

ClientSampleId :

RT-4643

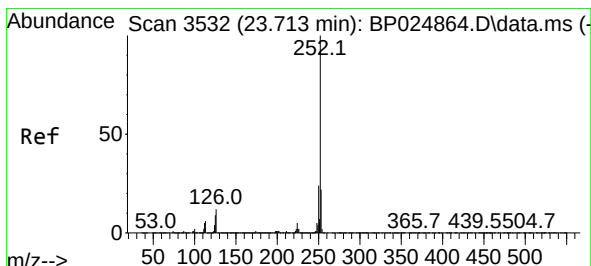
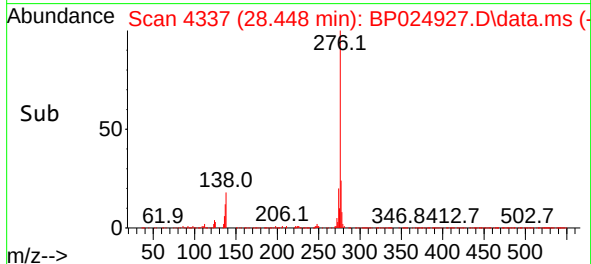
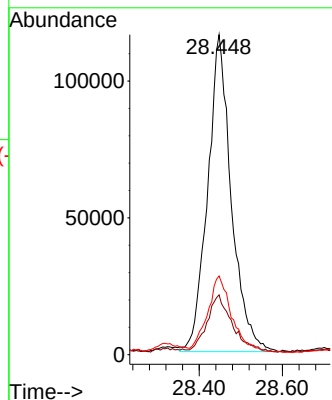
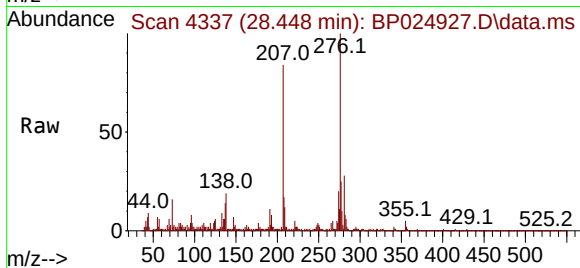
Tgt Ion:276 Resp: 458899

Ion Ratio Lower Upper

276 100

138 19.5 18.6 27.8

277 23.6 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 12.442 ng

RT: 23.724 min Scan# 3534

Delta R.T. 0.012 min

Lab File: BP024927.D

Acq: 12 Jun 2025 13:08

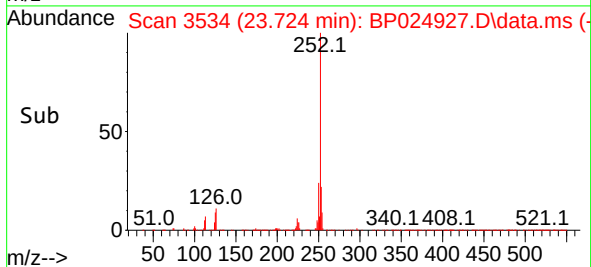
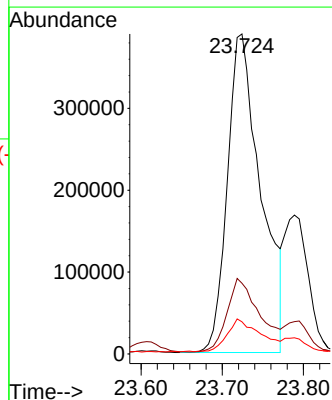
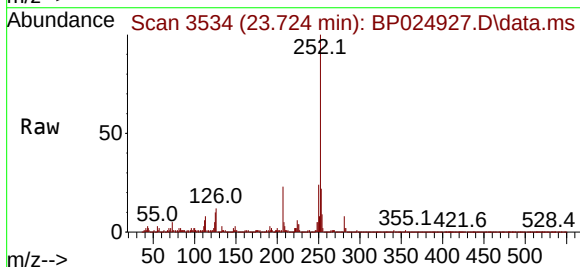
Tgt Ion:252 Resp: 1114201

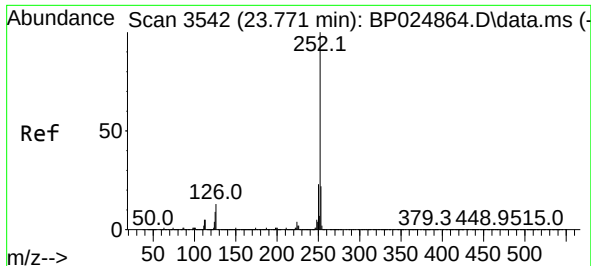
Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

125 10.1 7.1 10.7

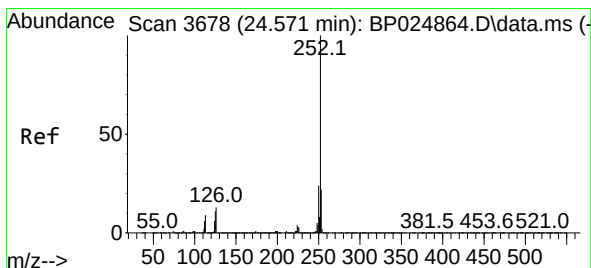
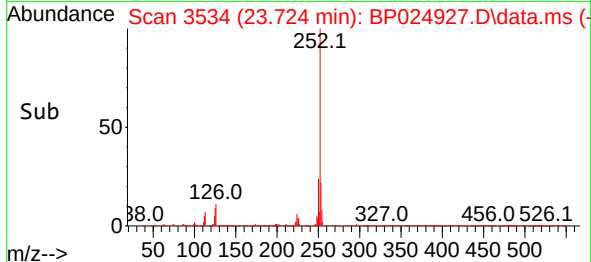
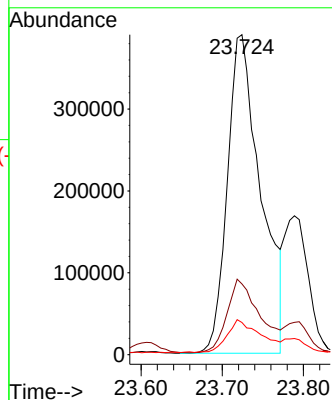
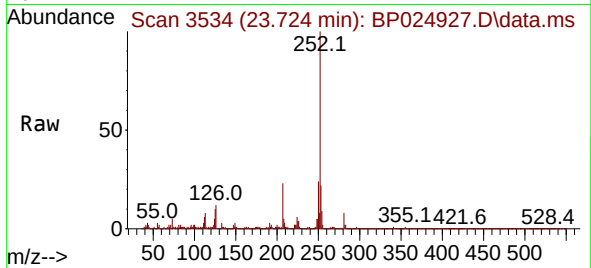




#89
Benzo(k)fluoranthene
Concen: 12.223 ng
RT: 23.724 min Scan# 31
Delta R.T. -0.047 min
Lab File: BP024927.D
Acq: 12 Jun 2025 13:08

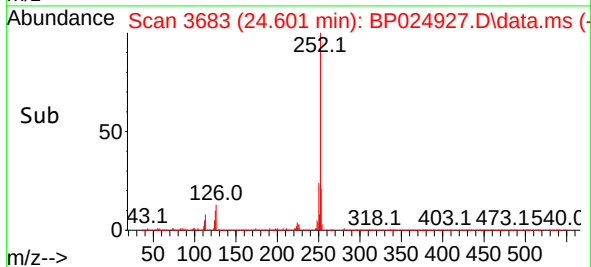
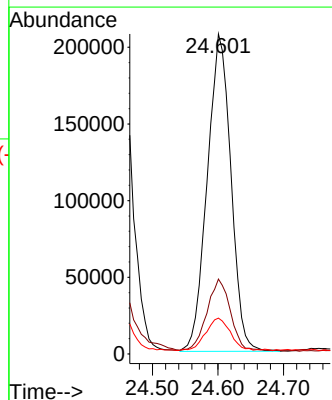
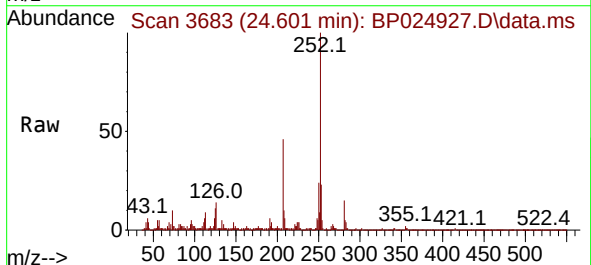
Instrument :
BNA_P
ClientSampleId :
RT-4643

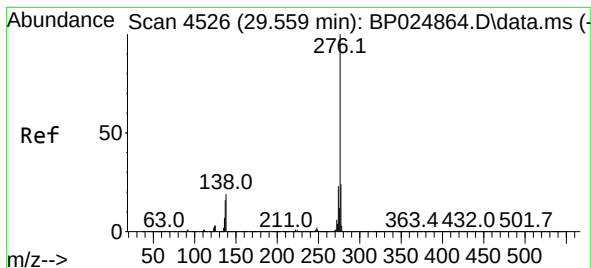
Tgt Ion:252 Resp: 1114201
Ion Ratio Lower Upper
252 100
253 22.1 17.7 26.5
125 10.1 7.4 11.0



#90
Benzo(a)pyrene
Concen: 5.929 ng
RT: 24.601 min Scan# 3683
Delta R.T. 0.029 min
Lab File: BP024927.D
Acq: 12 Jun 2025 13:08

Tgt Ion:252 Resp: 518569
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 11.2 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 4.850 ng

RT: 29.606 min Scan# 4

Delta R.T. 0.047 min

Lab File: BP024927.D

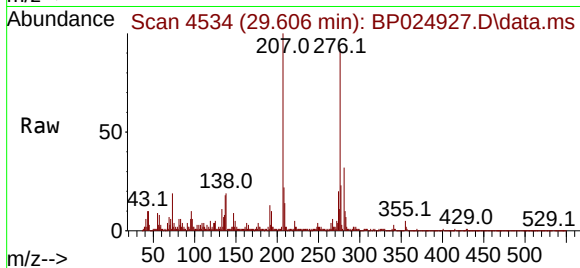
Acq: 12 Jun 2025 13:08

Instrument :

BNA_P

ClientSampleId :

RT-4643



Tgt Ion:276 Resp: 447200

Ion Ratio Lower Upper

276 100

277 25.2 19.1 28.7

138 20.1 15.4 23.2

