

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061325\
 Data File : BP024952.D
 Acq On : 13 Jun 2025 20:18
 Operator : RC/JU
 Sample : Q2296-21DL 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-6DL

Quant Time: Jun 13 22:45:07 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)

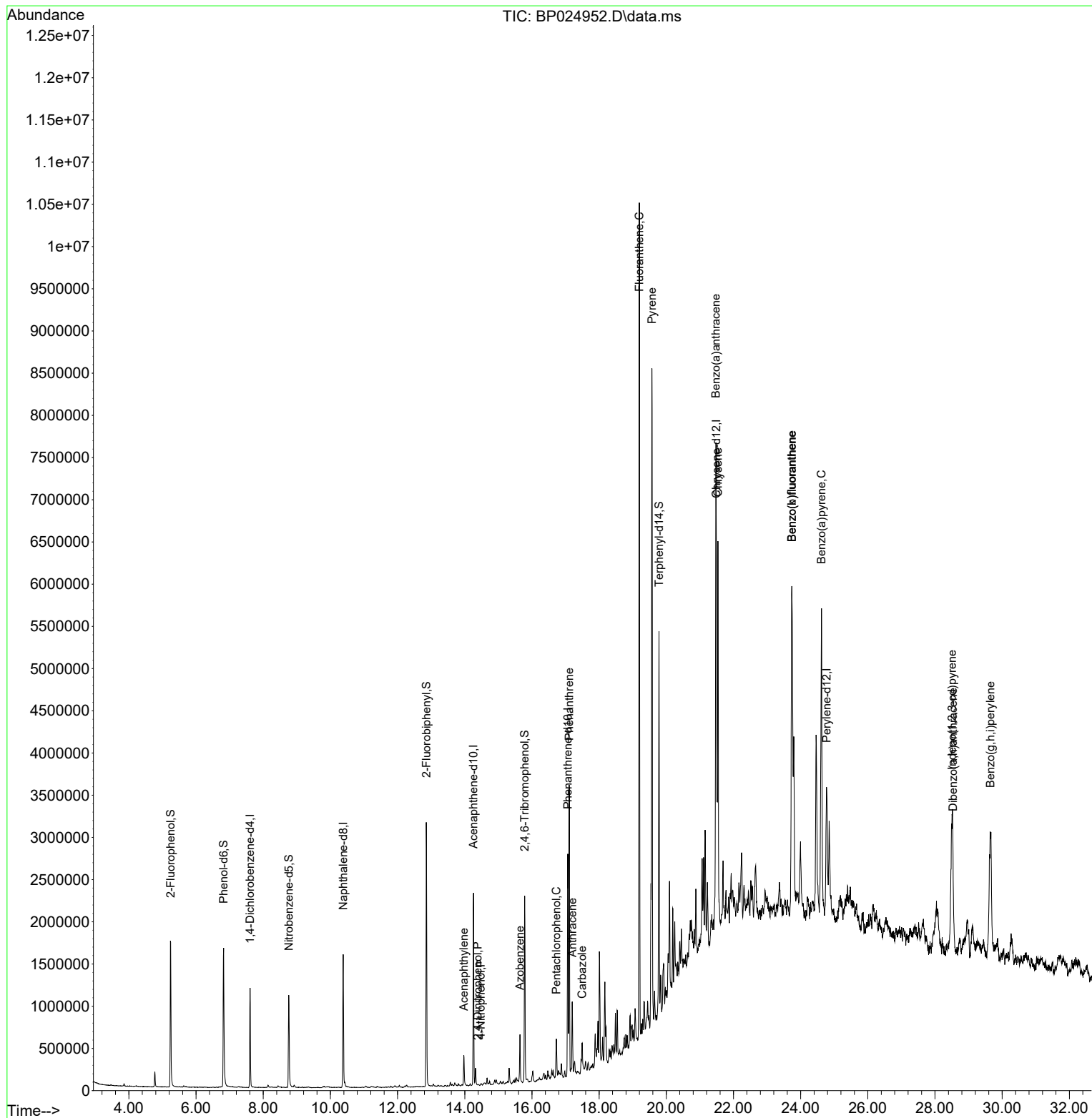
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	309714	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	1285681	20.000	ng	0.00
39) Acenaphthene-d10	14.260	164	792813	20.000	ng	0.01
64) Phenanthrene-d10	17.066	188	1445548	20.000	ng	0.00
76) Chrysene-d12	21.489	240	1423688	20.000	ng	0.00
86) Perylene-d12	24.771	264	1702117	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.243	112	855856	46.126	ng	0.00
7) Phenol-d6	6.819	99	1164304	47.426	ng	0.00
23) Nitrobenzene-d5	8.760	82	728257	27.525	ng	0.00
42) 2,4,6-Tribromophenol	15.784	330	485226	44.268	ng	0.00
45) 2-Fluorobiphenyl	12.854	172	1629410	27.686	ng	0.00
79) Terphenyl-d14	19.783	244	2003521	25.222	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	13.972	152	293855	3.980	ng	99
54) 2,4-Dinitrophenol	14.384	184	6	5.564	ng	# 1
56) 4-Nitrophenol	14.478	139	925	5.487	ng	87
63) Azobenzene	15.642	77	148465	2.777	ng	# 1
70) Pentachlorophenol	16.725	266	94503	9.235	ng	97
71) Phenanthrene	17.107	178	2067419	25.881	ng	99
72) Anthracene	17.201	178	593702	7.338	ng	100
73) Carbazole	17.495	167	220534	2.941	ng	99
75) Fluoranthene	19.195	202	5921318	63.954	ng	99
78) Pyrene	19.572	202	5212475	58.604	ng	100
81) Benzo(a)anthracene	21.477	228	3170703	34.821	ng	98
83) Chrysene	21.536	228	2975407	34.486	ng	97
87) Indeno(1,2,3-cd)pyrene	28.506	276	2824313	22.742	ng	95
88) Benzo(b)fluoranthene	23.736	252	4592583	47.146	ng	98
89) Benzo(k)fluoranthene	23.736	252	4592583	46.316	ng	98
90) Benzo(a)pyrene	24.618	252	3267157	34.343	ng	98
91) Dibenzo(a,h)anthracene	28.536	278	674079	6.668	ng	# 89
92) Benzo(g,h,i)perylene	29.648	276	2964373	29.556	ng	98

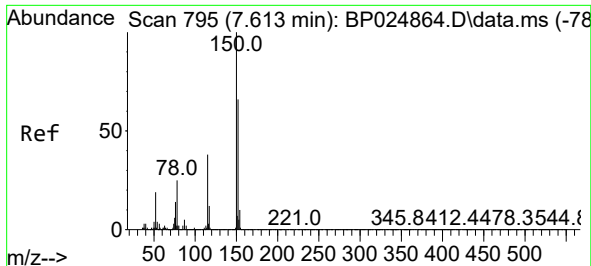
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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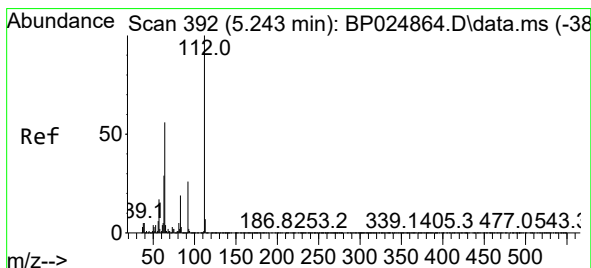
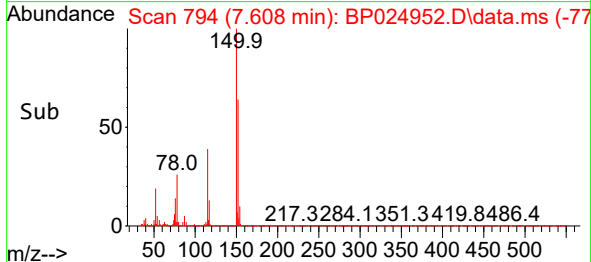
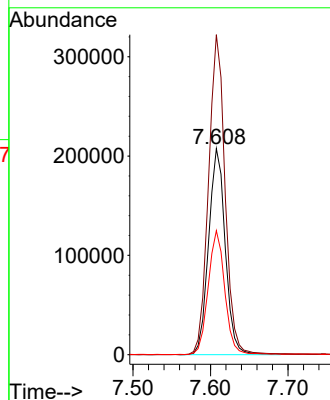
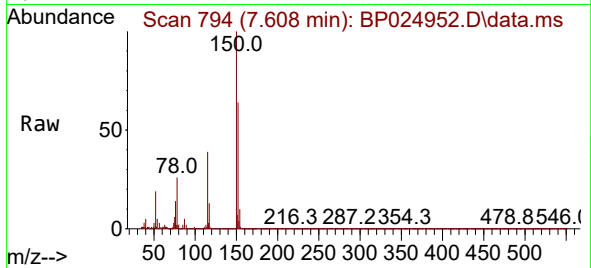




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 795
Delta R.T. -0.005 min
Lab File: BP024952.D
Acq: 13 Jun 2025 20:18

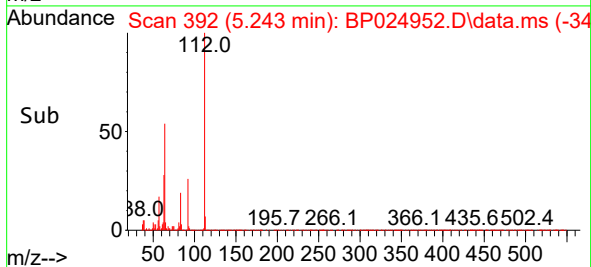
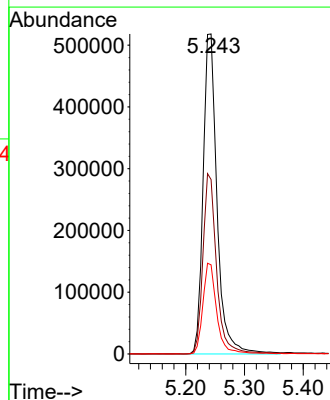
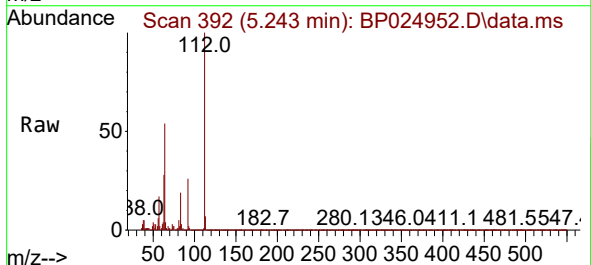
Instrument :
BNA_P
ClientSampleId :
WC-6DL

Tgt Ion:152 Resp: 309714
Ion Ratio Lower Upper
152 100
150 155.3 122.1 183.1
115 60.2 46.4 69.6



#5
2-Fluorophenol
Concen: 46.126 ng
RT: 5.243 min Scan# 392
Delta R.T. -0.000 min
Lab File: BP024952.D
Acq: 13 Jun 2025 20:18

Tgt Ion:112 Resp: 855856
Ion Ratio Lower Upper
112 100
64 54.5 44.7 67.1
63 27.8 23.5 35.3

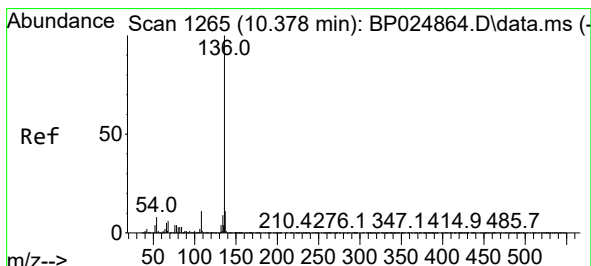
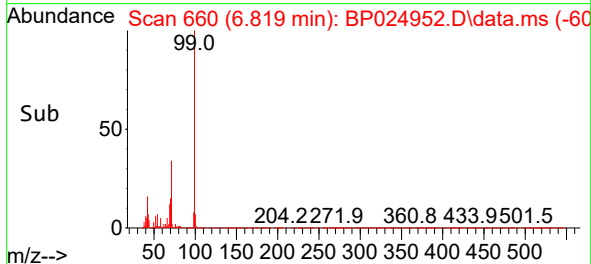
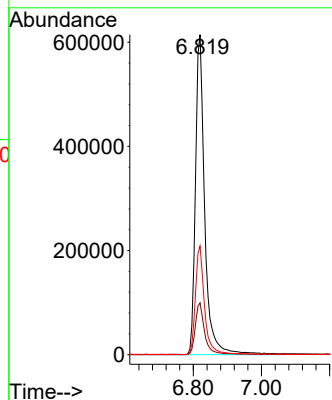
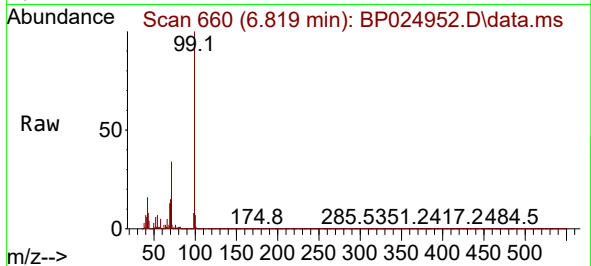




#7
Phenol-d6
Concen: 47.426 ng
RT: 6.819 min Scan# 60
Delta R.T. 0.006 min
Lab File: BP024952.D
Acq: 13 Jun 2025 20:18

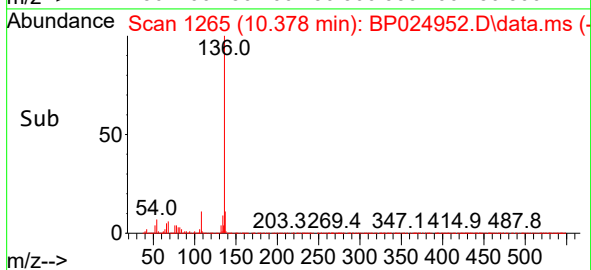
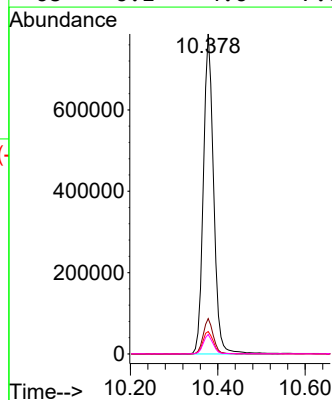
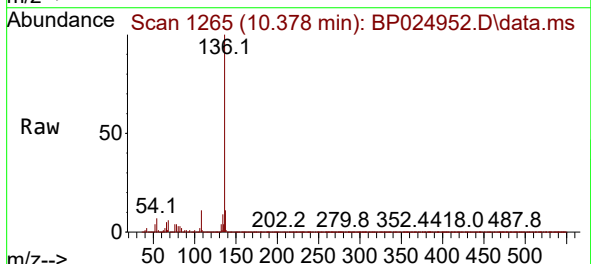
Instrument :
BNA_P
ClientSampleId :
WC-6DL

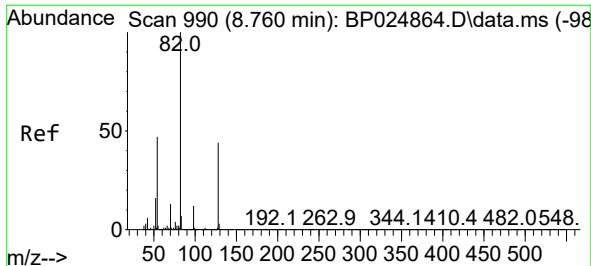
Tgt Ion: 99 Resp: 1164304
Ion Ratio Lower Upper
99 100
42 16.2 13.4 20.2
71 34.0 27.6 41.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BP024952.D
Acq: 13 Jun 2025 20:18

Tgt Ion:136 Resp: 1285681
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.0 6.1 9.1
68 6.1 4.6 7.0

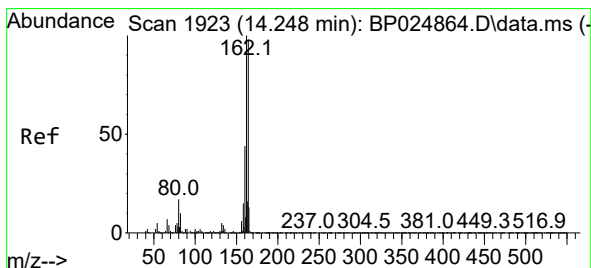
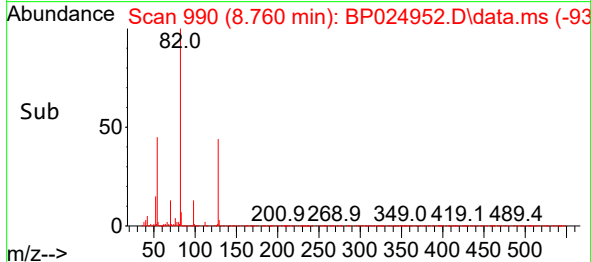
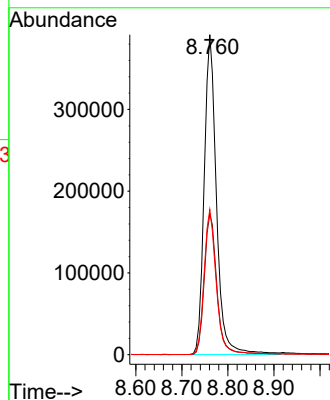
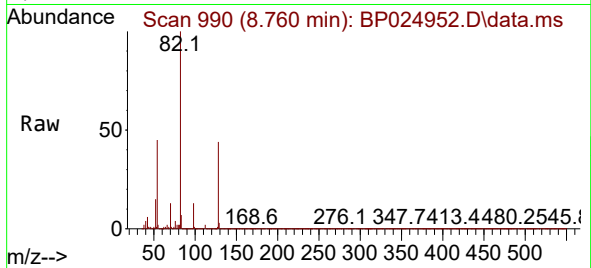




#23
Nitrobenzene-d5
Concen: 27.525 ng
RT: 8.760 min Scan# 990
Delta R.T. -0.000 min
Lab File: BP024952.D
Acq: 13 Jun 2025 20:18

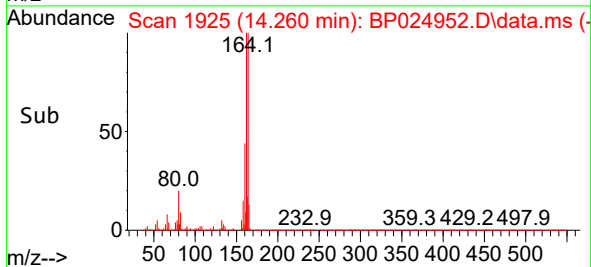
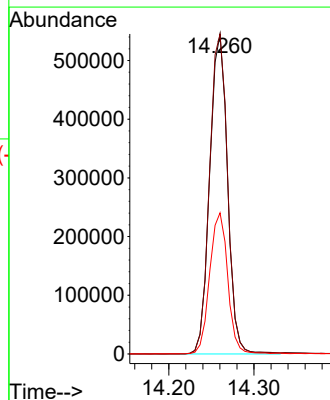
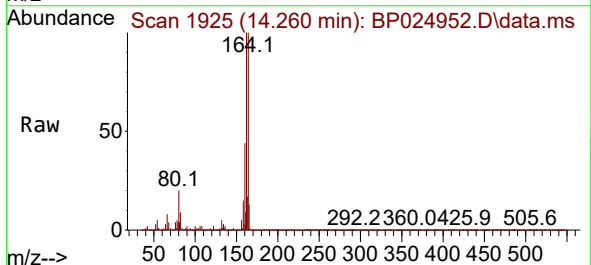
Instrument :
BNA_P
ClientSampleId :
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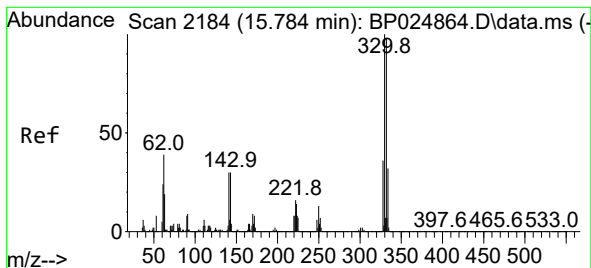
Tgt Ion: 82 Resp: 728257
Ion Ratio Lower Upper
82 100
128 44.0 35.3 52.9
54 45.4 37.4 56.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.260 min Scan# 1925
Delta R.T. 0.012 min
Lab File: BP024952.D
Acq: 13 Jun 2025 20:18

Tgt Ion:164 Resp: 792813
Ion Ratio Lower Upper
164 100
162 100.0 81.6 122.4
160 44.1 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 44.268 ng

RT: 15.784 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP024952.D

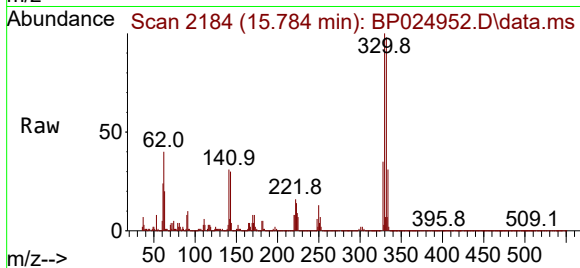
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Instrument :

BNA_P

ClientSampleId :

WC-6DL



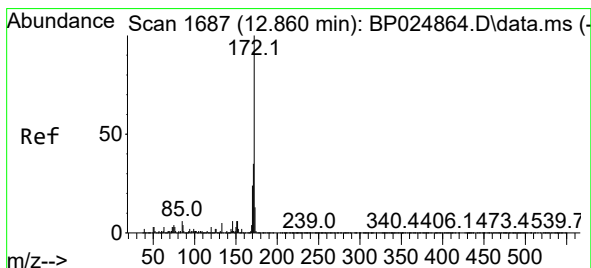
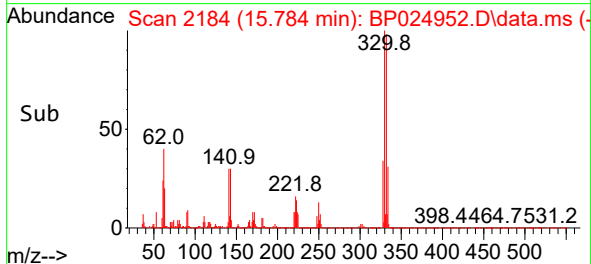
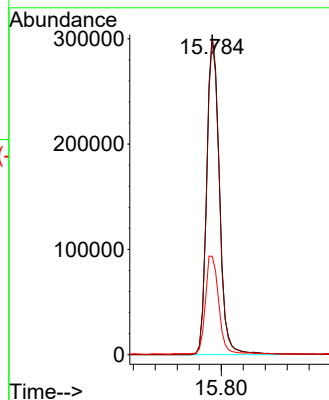
Tgt Ion:330 Resp: 485226

Ion Ratio Lower Upper

330 100

332 98.0 77.7 116.5

141 31.9 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 27.686 ng

RT: 12.854 min Scan# 1686

Delta R.T. -0.006 min

Lab File: BP024952.D

Acq: 13 Jun 2025 20:18

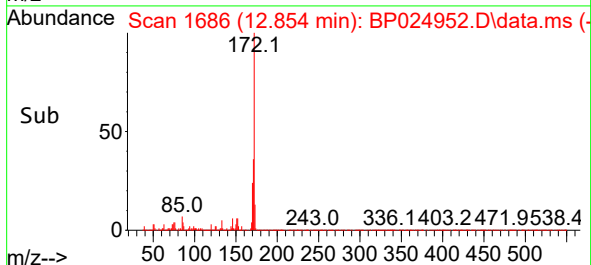
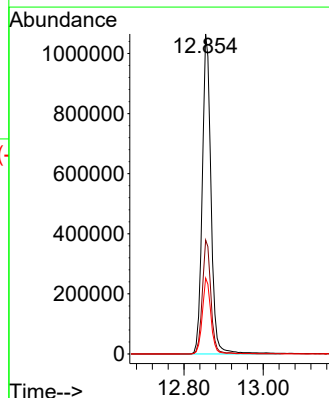
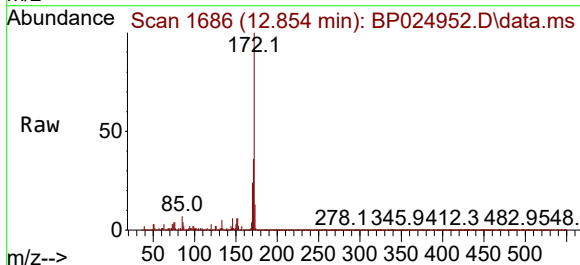
Tgt Ion:172 Resp: 1629410

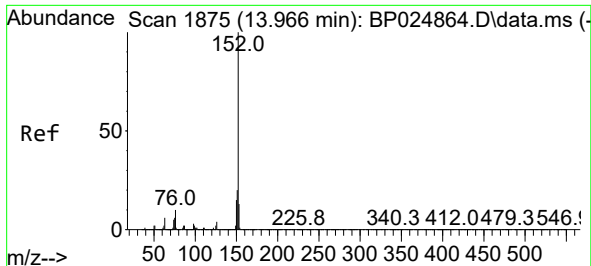
Ion Ratio Lower Upper

172 100

171 35.6 28.3 42.5

170 23.7 19.0 28.4

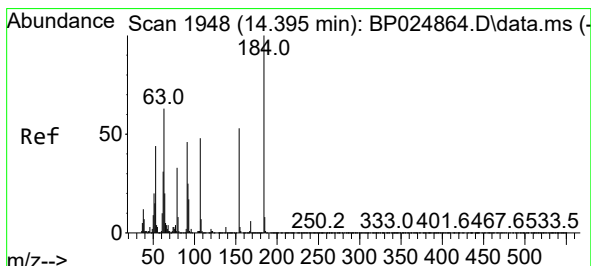
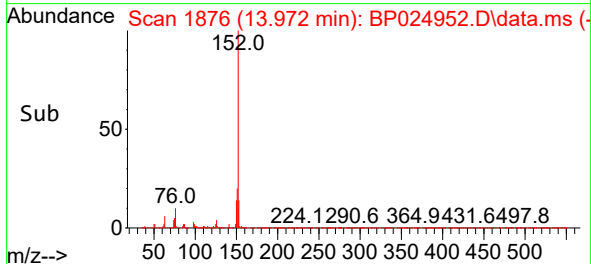
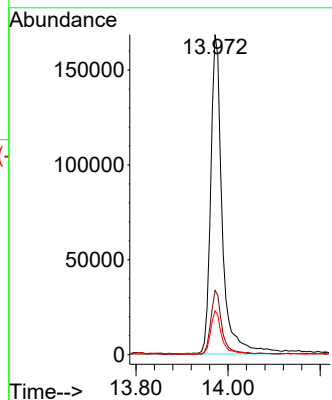
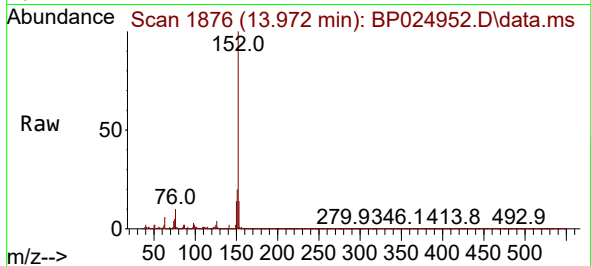




#49
Acenaphthylene
Concen: 3.980 ng
RT: 13.972 min Scan# 1876
Delta R.T. 0.006 min
Lab File: BP024952.D
Acq: 13 Jun 2025 20:18

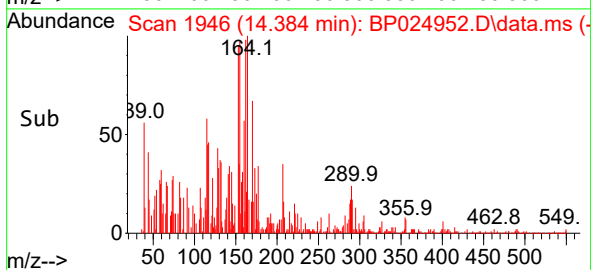
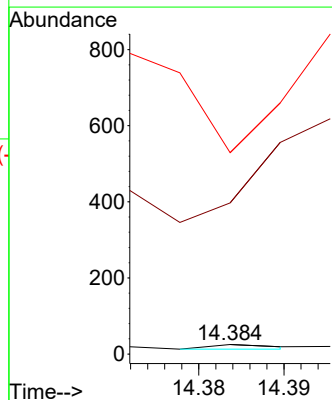
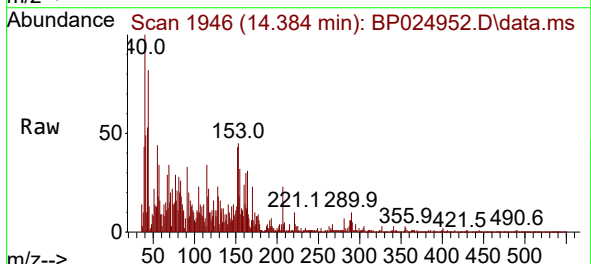
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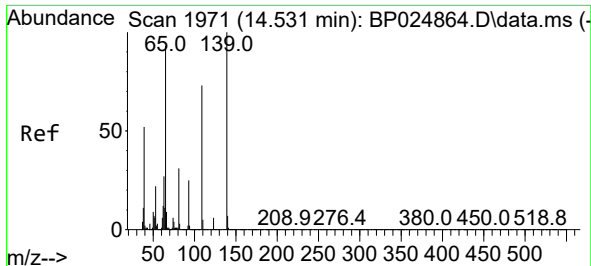
Tgt Ion:152 Resp: 293855
Ion Ratio Lower Upper
152 100
151 20.1 16.2 24.2
153 13.7 10.6 15.8



#54
2,4-Dinitrophenol
Concen: 5.564 ng
RT: 14.384 min Scan# 1946
Delta R.T. -0.011 min
Lab File: BP024952.D
Acq: 13 Jun 2025 20:18

Tgt Ion:184 Resp: 6
Ion Ratio Lower Upper
184 100
63 1588.0 51.0 76.4#
154 2116.0 51.7 77.5#

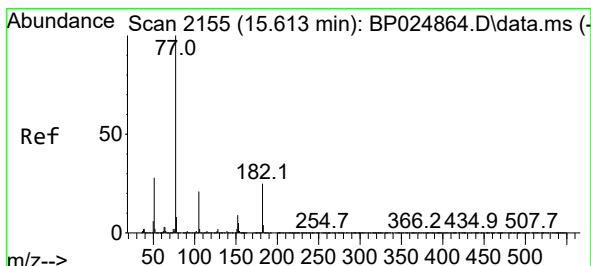
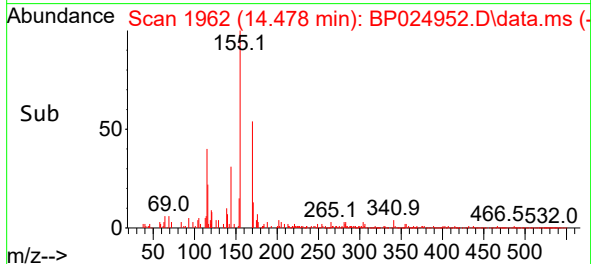
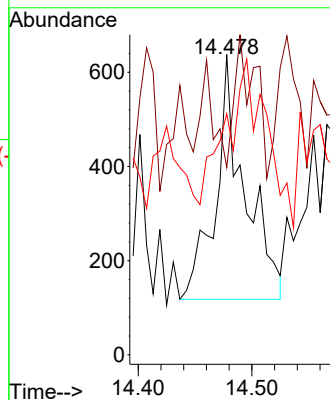
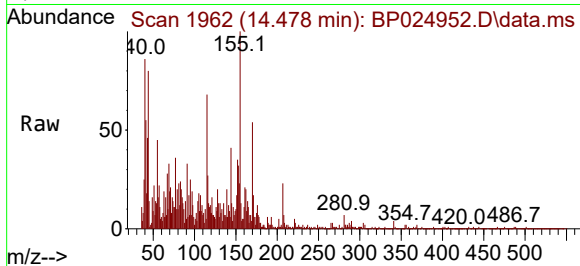




#56
4-Nitrophenol
Concen: 5.487 ng
RT: 14.478 min Scan# 1971
Delta R.T. -0.053 min
Lab File: BP024952.D
Acq: 13 Jun 2025 20:18

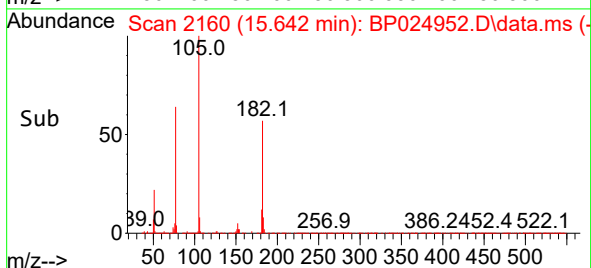
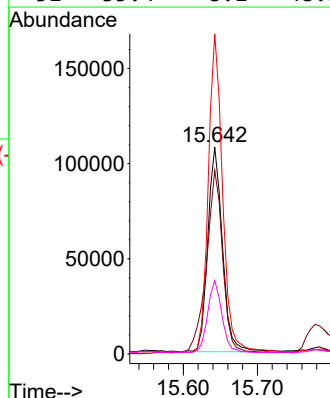
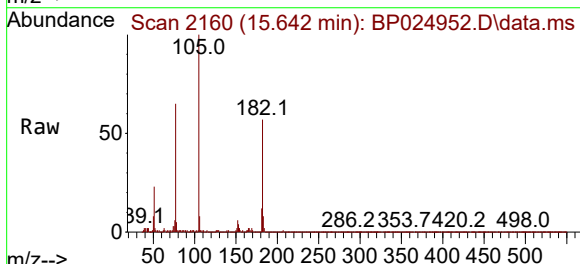
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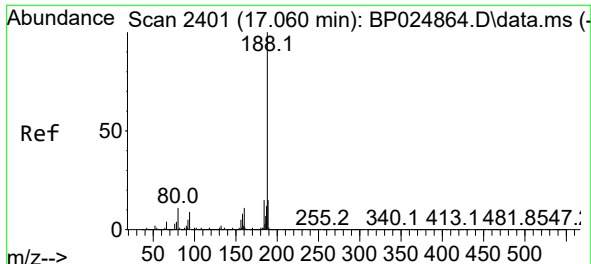
Tgt Ion:	139	Resp:	925
Ion	Ratio	Lower	Upper
139	100		
109	62.4	53.1	93.1
65	80.3	73.0	113.0



#63
Azobenzene
Concen: 2.777 ng
RT: 15.642 min Scan# 2160
Delta R.T. 0.029 min
Lab File: BP024952.D
Acq: 13 Jun 2025 20:18

Tgt Ion:	77	Resp:	148465
Ion	Ratio	Lower	Upper
77	100		
182	88.6	5.4	45.4#
105	154.7	0.8	40.8#
51	35.4	8.1	48.1

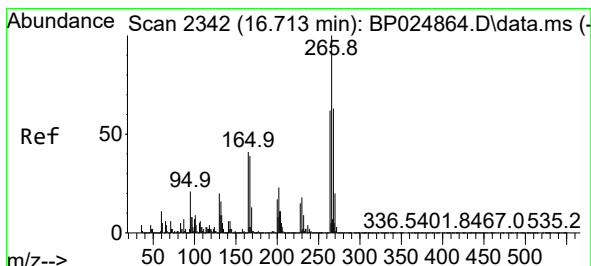
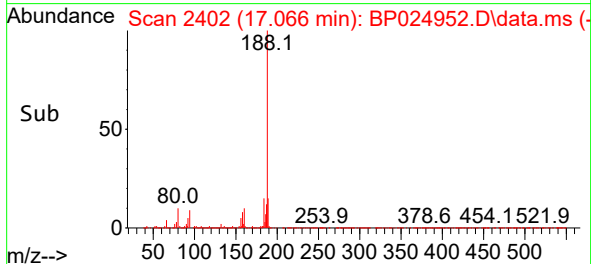
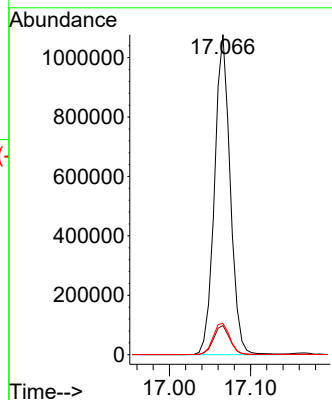
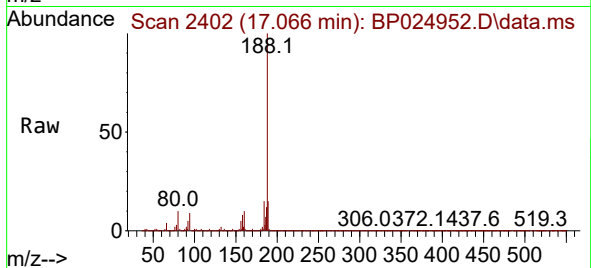




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.066 min Scan# 2401
Delta R.T. 0.006 min
Lab File: BP024952.D
Acq: 13 Jun 2025 20:18

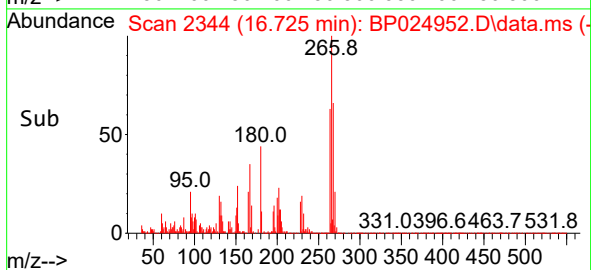
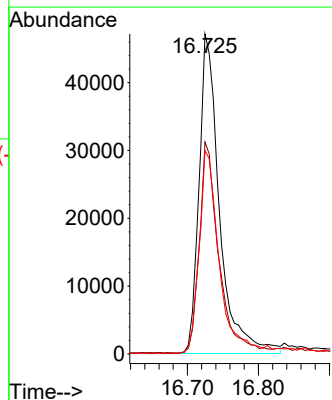
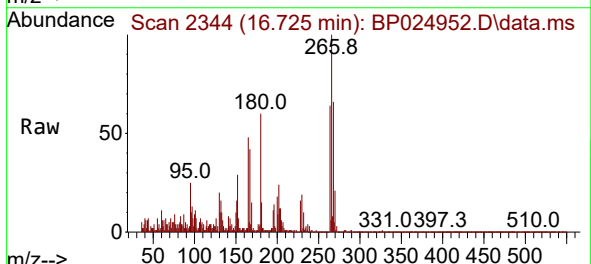
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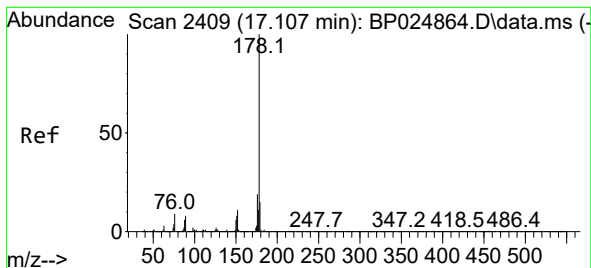
Tgt Ion:188 Resp: 1445548
Ion Ratio Lower Upper
188 100
94 9.1 7.3 10.9
80 9.8 8.5 12.7



#70
Pentachlorophenol
Concen: 9.235 ng
RT: 16.725 min Scan# 2344
Delta R.T. 0.012 min
Lab File: BP024952.D
Acq: 13 Jun 2025 20:18

Tgt Ion:266 Resp: 94503
Ion Ratio Lower Upper
266 100
268 66.2 50.6 76.0
264 63.5 49.7 74.5





#71

Phenanthrene

Concen: 25.881 ng

RT: 17.107 min Scan# 2409

Delta R.T. -0.000 min

Lab File: BP024952.D

Acq: 13 Jun 2025 20:18

Instrument :

BNA_P

ClientSampleId :

WC-6DL

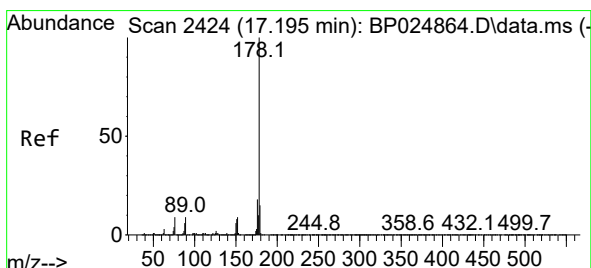
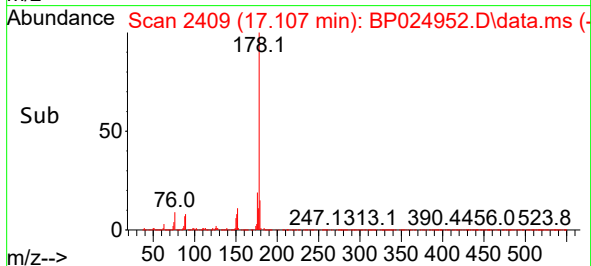
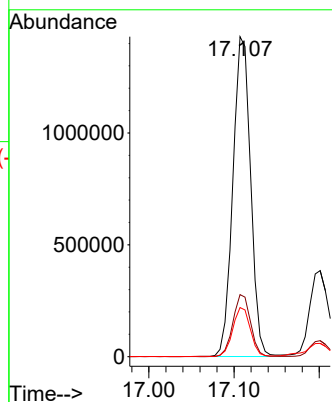
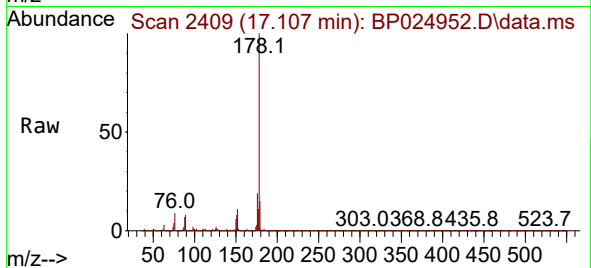
Tgt Ion:178 Resp: 2067419

Ion Ratio Lower Upper

178 100

176 19.4 15.3 22.9

179 15.4 12.1 18.1



#72

Anthracene

Concen: 7.338 ng

RT: 17.201 min Scan# 2425

Delta R.T. 0.006 min

Lab File: BP024952.D

Acq: 13 Jun 2025 20:18

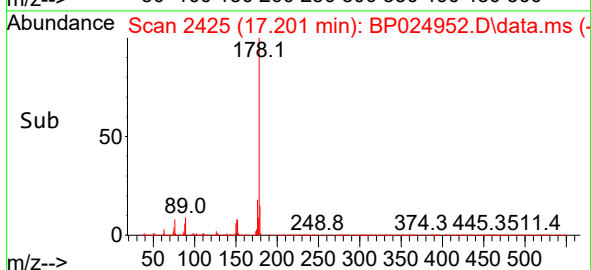
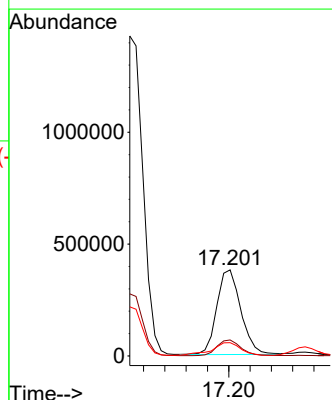
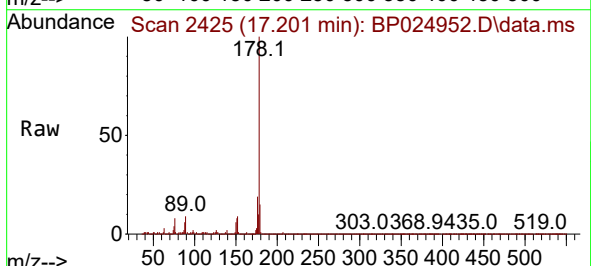
Tgt Ion:178 Resp: 593702

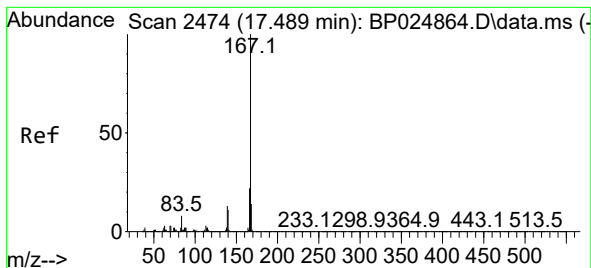
Ion Ratio Lower Upper

178 100

176 18.6 14.7 22.1

179 15.4 12.3 18.5





#73

Carbazole

Concen: 2.941 ng

RT: 17.495 min Scan# 2475

Delta R.T. 0.006 min

Lab File: BP024952.D

Acq: 13 Jun 2025 20:18

Instrument :

BNA_P

ClientSampleId :

WC-6DL

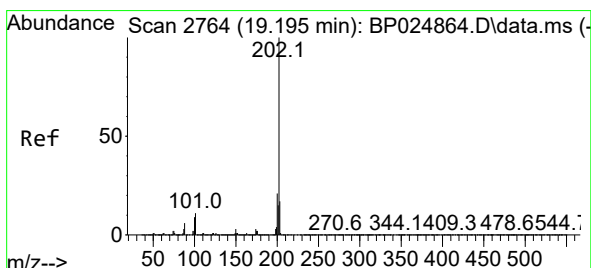
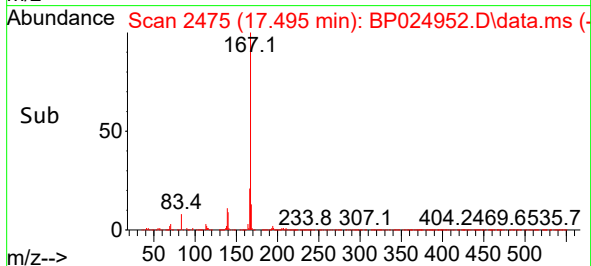
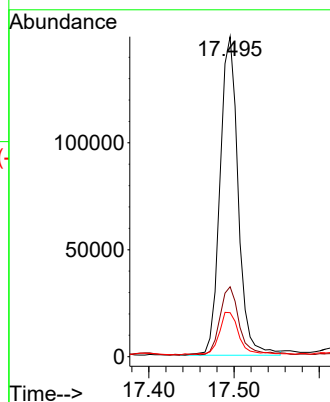
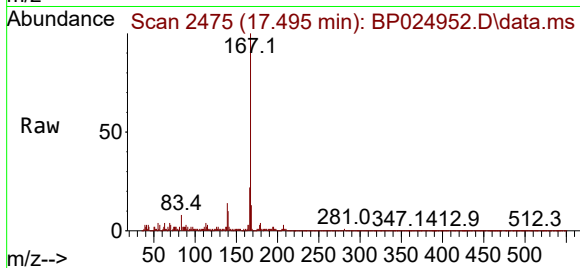
Tgt Ion:167 Resp: 220534

Ion Ratio Lower Upper

167 100

166 21.9 17.3 25.9

139 13.8 10.8 16.2



#75

Fluoranthene

Concen: 63.954 ng

RT: 19.195 min Scan# 2764

Delta R.T. -0.000 min

Lab File: BP024952.D

Acq: 13 Jun 2025 20:18

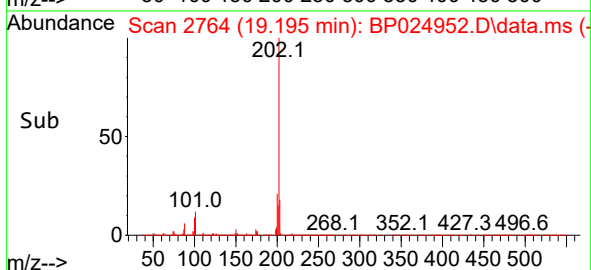
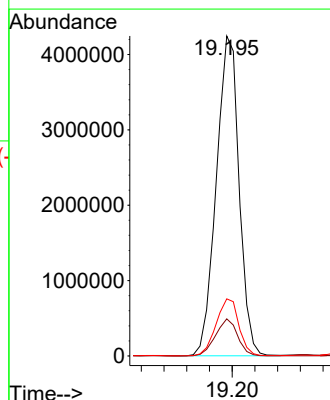
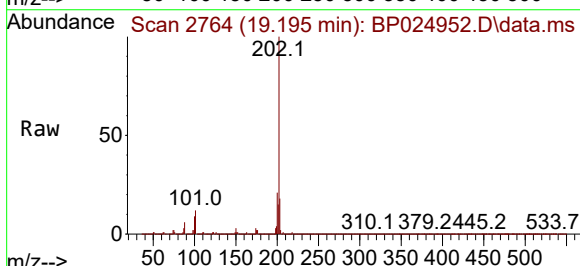
Tgt Ion:202 Resp: 5921318

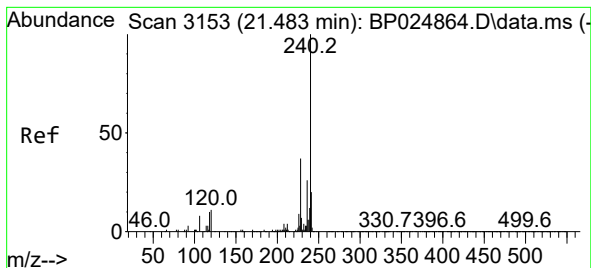
Ion Ratio Lower Upper

202 100

101 11.6 0.0 31.4

203 17.9 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: BP024952.D

Acq: 13 Jun 2025 20:18

Instrument :

BNA_P

ClientSampleId :

WC-6DL

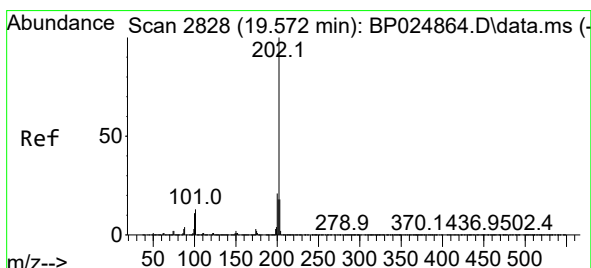
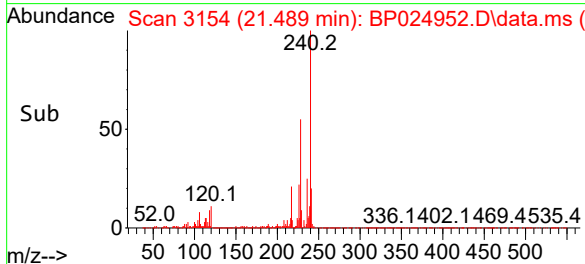
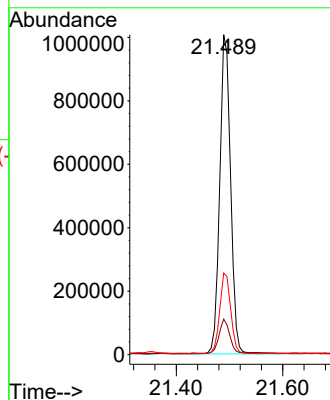
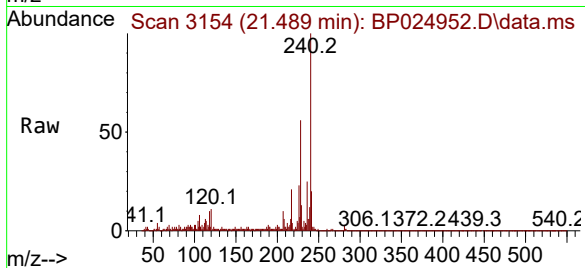
Tgt Ion:240 Resp: 1423688

Ion Ratio Lower Upper

240 100

120 11.1 8.9 13.3

236 25.5 20.9 31.3



#78

Pyrene

Concen: 58.604 ng

RT: 19.572 min Scan# 2828

Delta R.T. -0.000 min

Lab File: BP024952.D

Acq: 13 Jun 2025 20:18

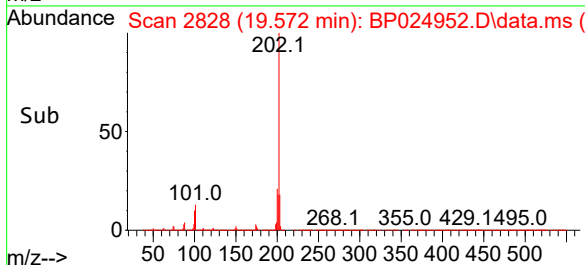
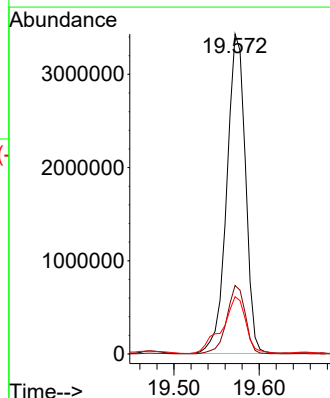
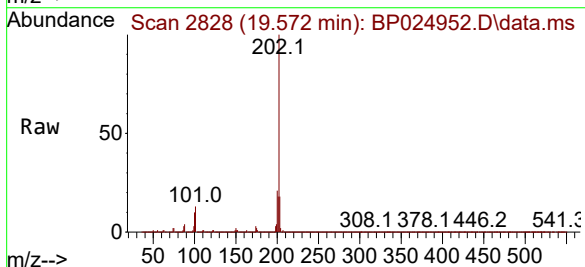
Tgt Ion:202 Resp: 5212475

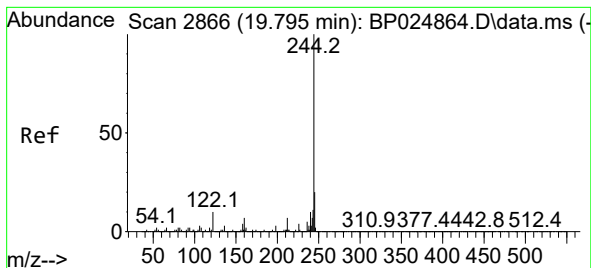
Ion Ratio Lower Upper

202 100

200 21.4 17.1 25.7

203 17.9 14.0 21.0





#79

Terphenyl-d14

Concen: 25.222 ng

RT: 19.783 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP024952.D

Acq: 13 Jun 2025 20:18

Instrument :

BNA_P

ClientSampleId :

WC-6DL

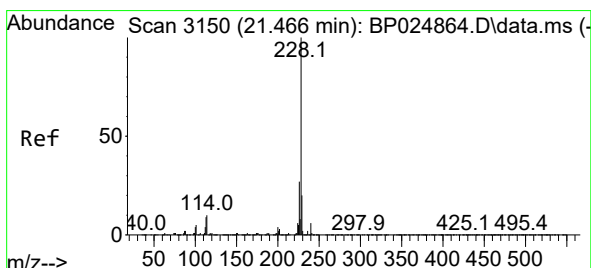
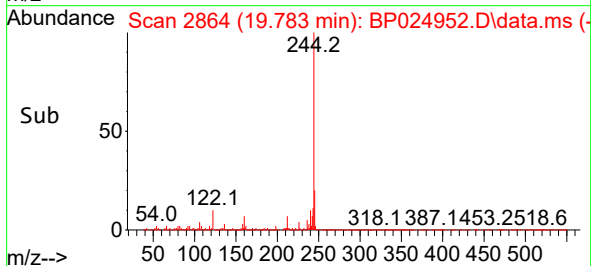
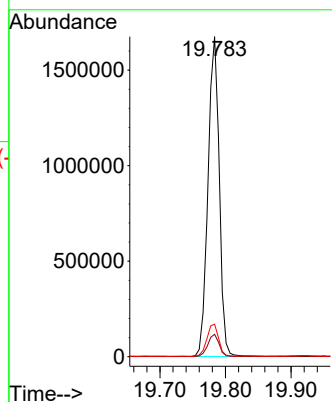
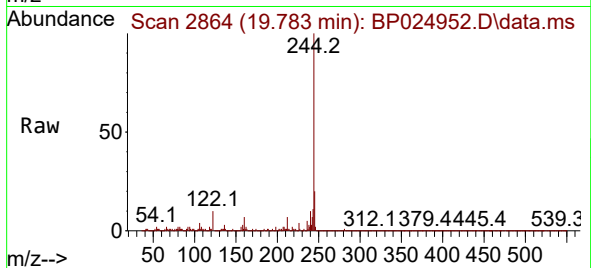
Tgt Ion:244 Resp: 2003521

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 10.2 7.7 11.5



#81

Benzo(a)anthracene

Concen: 34.821 ng

RT: 21.477 min Scan# 3152

Delta R.T. 0.012 min

Lab File: BP024952.D

Acq: 13 Jun 2025 20:18

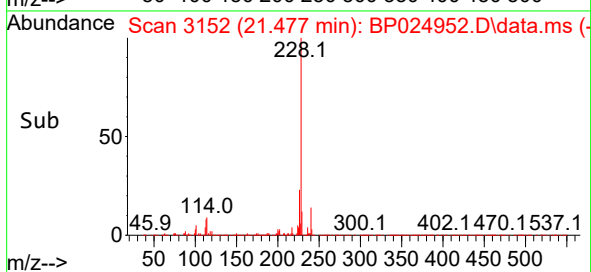
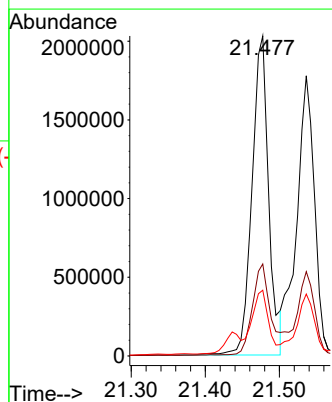
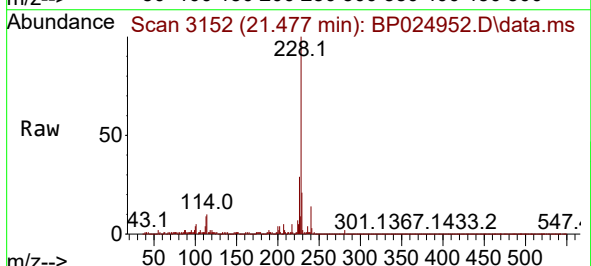
Tgt Ion:228 Resp: 3170703

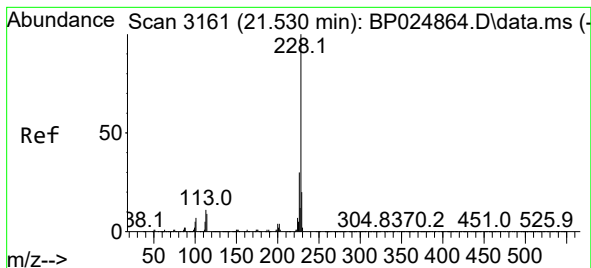
Ion Ratio Lower Upper

228 100

226 28.7 22.1 33.1

229 20.6 15.9 23.9





#83

Chrysene

Concen: 34.486 ng

RT: 21.536 min Scan# 3161

Delta R.T. 0.006 min

Lab File: BP024952.D

Acq: 13 Jun 2025 20:18

Instrument :

BNA_P

ClientSampleId :

WC-6DL

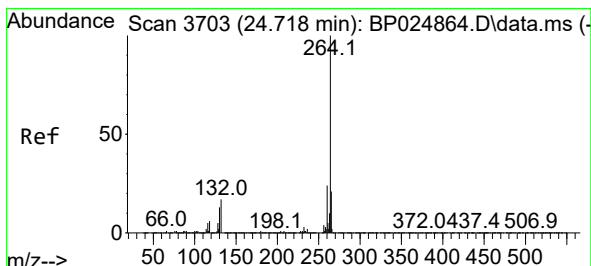
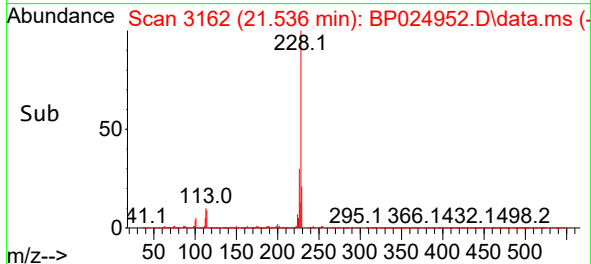
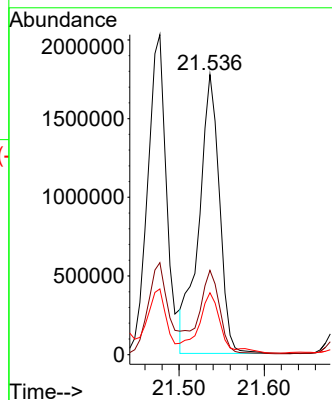
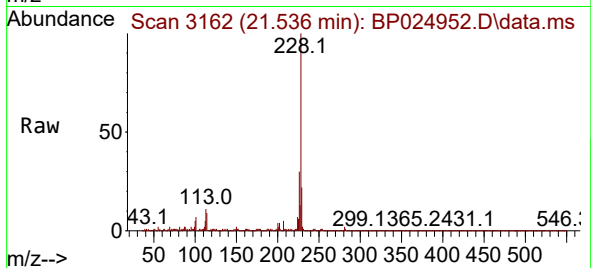
Tgt Ion:228 Resp: 2975407

Ion Ratio Lower Upper

228 100

226 30.1 23.8 35.6

229 22.1 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.771 min Scan# 3712

Delta R.T. 0.053 min

Lab File: BP024952.D

Acq: 13 Jun 2025 20:18

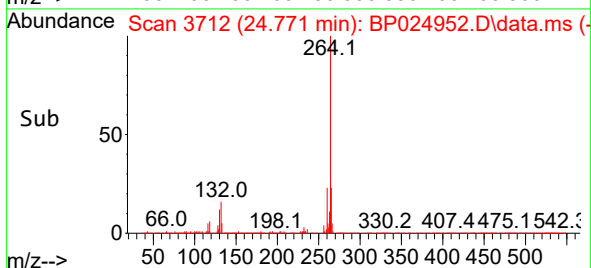
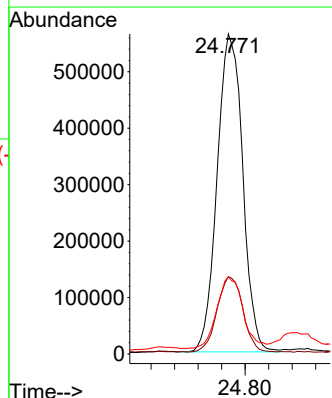
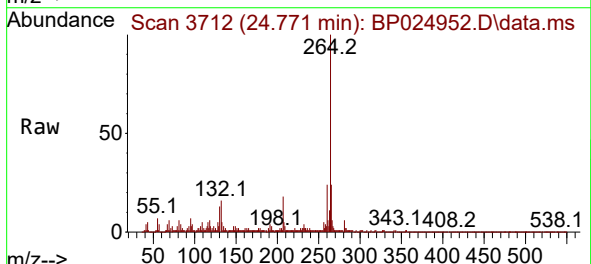
Tgt Ion:264 Resp: 1702117

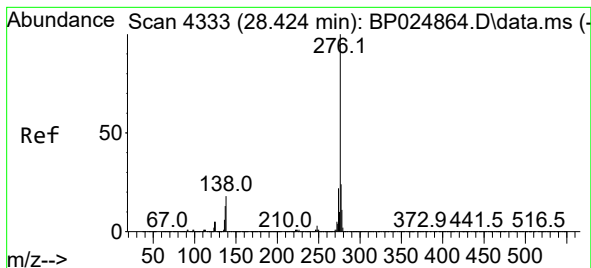
Ion Ratio Lower Upper

264 100

260 24.1 19.0 28.4

265 24.2 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 22.742 ng

RT: 28.506 min Scan# 41

Delta R.T. 0.082 min

Lab File: BP024952.D

Acq: 13 Jun 2025 20:18

Instrument :

BNA_P

ClientSampleId :

WC-6DL

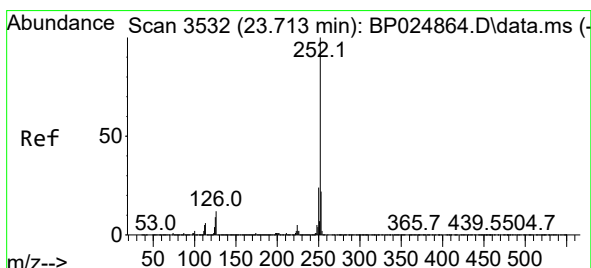
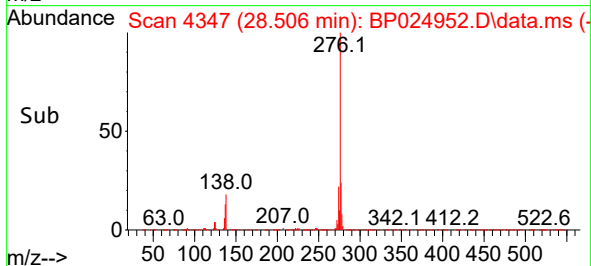
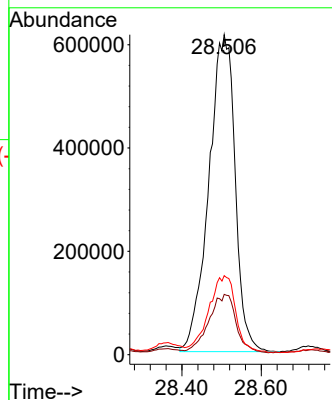
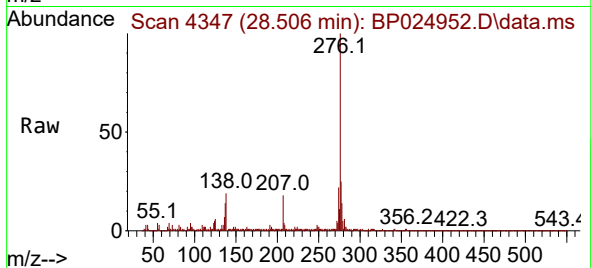
Tgt Ion:276 Resp: 2824313

Ion Ratio Lower Upper

276 100

138 19.1 18.6 27.8

277 24.8 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 47.146 ng

RT: 23.736 min Scan# 3536

Delta R.T. 0.024 min

Lab File: BP024952.D

Acq: 13 Jun 2025 20:18

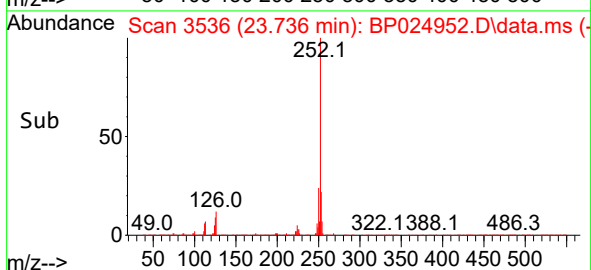
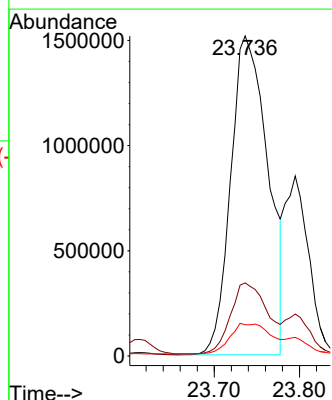
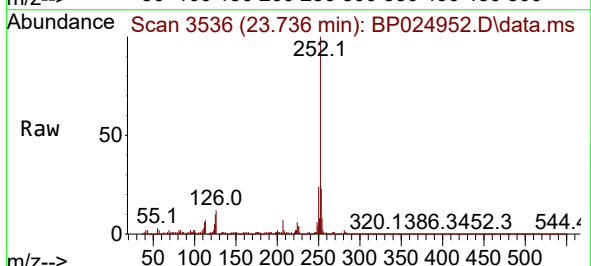
Tgt Ion:252 Resp: 4592583

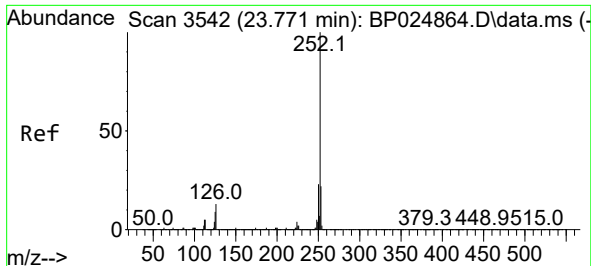
Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

125 9.7 7.1 10.7

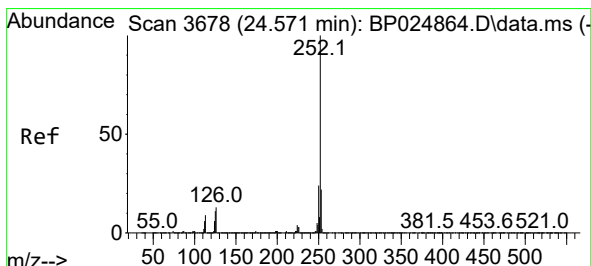
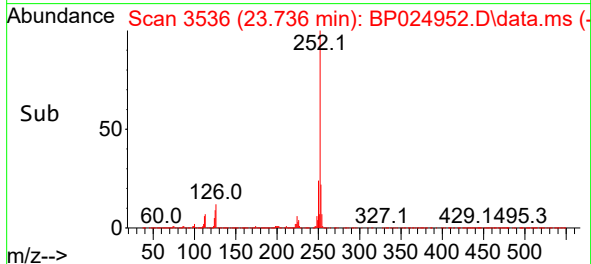
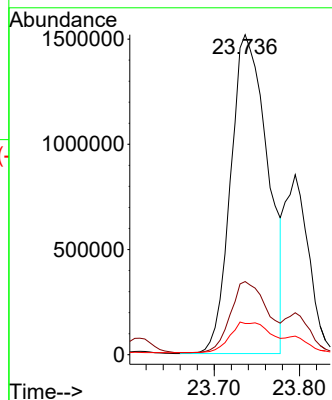
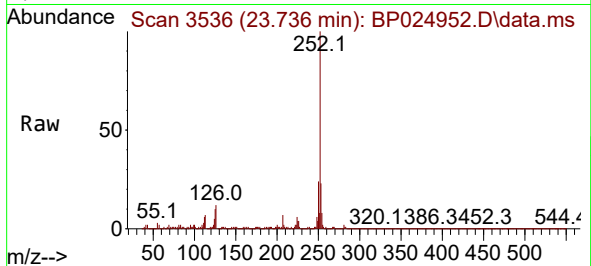




#89
Benzo(k)fluoranthene
Concen: 46.316 ng
RT: 23.736 min Scan# 3536
Delta R.T. -0.035 min
Lab File: BP024952.D
Acq: 13 Jun 2025 20:18

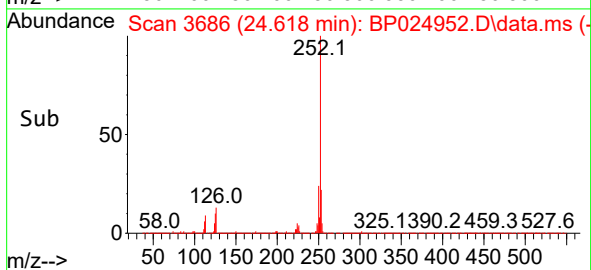
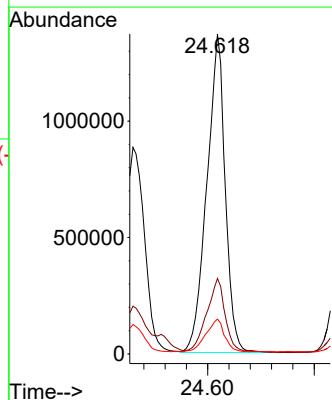
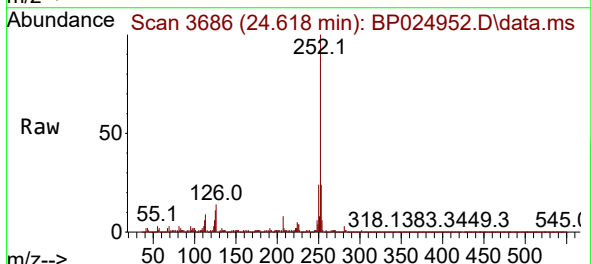
Instrument :
BNA_P
ClientSampleId :
WC-6DL

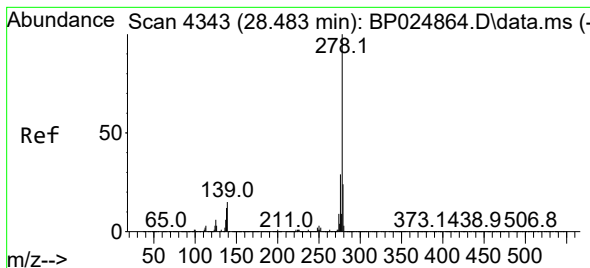
Tgt Ion:252 Resp: 4592583
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 9.7 7.4 11.0



#90
Benzo(a)pyrene
Concen: 34.343 ng
RT: 24.618 min Scan# 3686
Delta R.T. 0.047 min
Lab File: BP024952.D
Acq: 13 Jun 2025 20:18

Tgt Ion:252 Resp: 3267157
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 10.9 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 6.668 ng

RT: 28.536 min Scan# 41

Delta R.T. 0.053 min

Lab File: BP024952.D

Acq: 13 Jun 2025 20:18

Instrument :

BNA_P

ClientSampleId :

WC-6DL

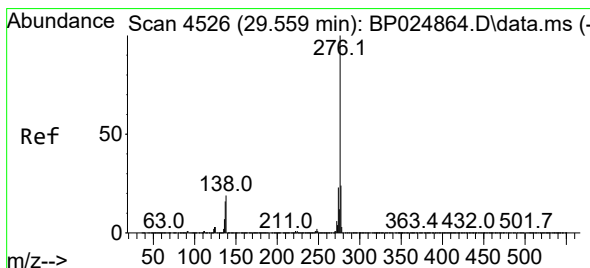
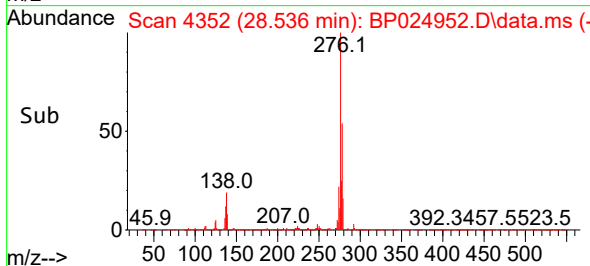
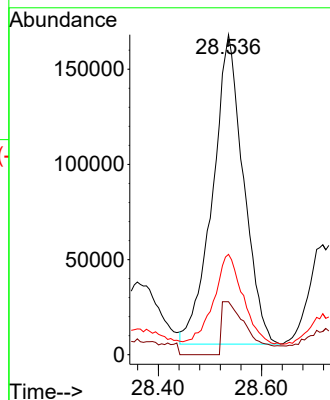
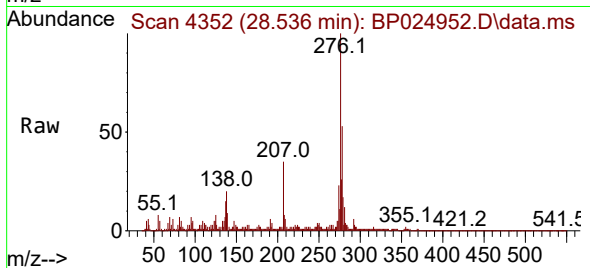
Tgt Ion:278 Resp: 674079

Ion Ratio Lower Upper

278 100

139 16.6 12.0 18.0

279 31.3 19.1 28.7#



#92

Benzo(g,h,i)perylene

Concen: 29.556 ng

RT: 29.648 min Scan# 4541

Delta R.T. 0.088 min

Lab File: BP024952.D

Acq: 13 Jun 2025 20:18

Tgt Ion:276 Resp: 2964373

Ion Ratio Lower Upper

276 100

277 24.5 19.1 28.7

138 20.3 15.4 23.2

