

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
 Data File : BP024242.D
 Acq On : 09 Apr 2025 19:43
 Operator : RC/JU
 Sample : Q1745-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 IB-6A-WC

Quant Time: Apr 10 01:01:01 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 13 05:55:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

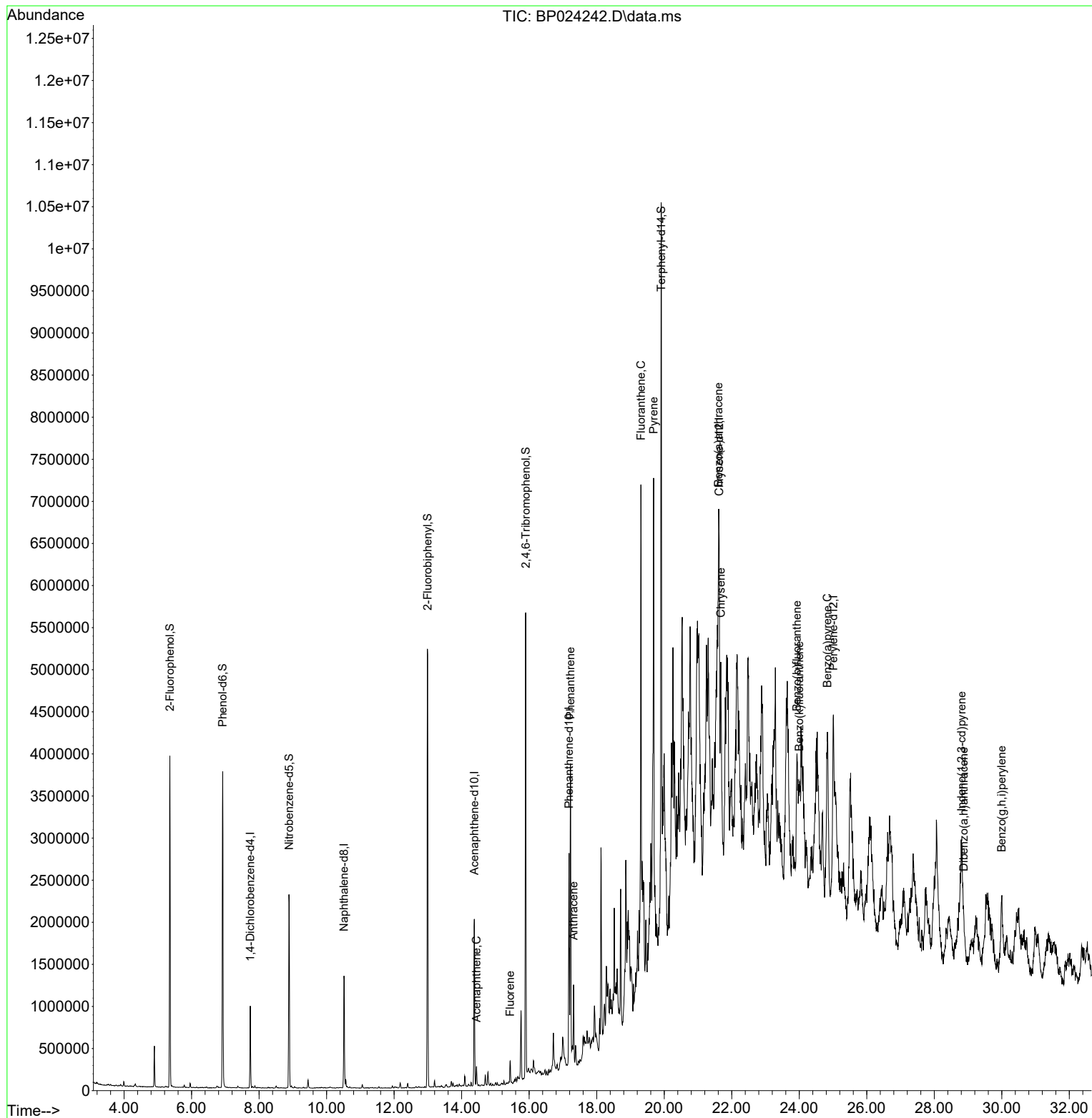
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.740	152	257329	20.000	ng	-0.03
21) Naphthalene-d8	10.516	136	1096597	20.000	ng	-0.04
39) Acenaphthene-d10	14.375	164	722885	20.000	ng	-0.03
64) Phenanthrene-d10	17.181	188	1479078	20.000	ng	-0.02
76) Chrysene-d12	21.627	240	1477869	20.000	ng	-0.03
86) Perylene-d12	25.010	264	1753663	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.358	112	1739294	107.893	ng	-0.02
7) Phenol-d6	6.922	99	2306354	106.987	ng	-0.03
23) Nitrobenzene-d5	8.887	82	1341459	69.019	ng	-0.04
42) 2,4,6-Tribromophenol	15.898	330	1122087	123.230	ng	-0.02
45) 2-Fluorobiphenyl	12.993	172	2878971	58.725	ng	-0.02
79) Terphenyl-d14	19.910	244	4460243	62.299	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	14.440	154	80461	2.037	ng	98
58) Fluorene	15.440	166	127281	2.553	ng	98
71) Phenanthrene	17.222	178	2171333	26.872	ng	100
72) Anthracene	17.316	178	513797	6.529	ng	99
75) Fluoranthene	19.310	202	2870838	30.677	ng	100
78) Pyrene	19.686	202	2793223	30.401	ng	100
81) Benzo(a)anthracene	21.610	228	1311898	14.278	ng	99
83) Chrysene	21.675	228	1240297	14.042	ng	96
87) Indeno(1,2,3-cd)pyrene	28.804	276	998797	8.161	ng	# 94
88) Benzo(b)fluoranthene	23.927	252	1821197	17.224	ng	# 91
89) Benzo(k)fluoranthene	23.998	252	529916m	5.123	ng	
90) Benzo(a)pyrene	24.833	252	1470370	15.992	ng	# 91
91) Dibenzo(a,h)anthracene	28.874	278	238074	2.338	ng	# 70
92) Benzo(g,h,i)perylene	29.998	276	1014943	9.805	ng	97

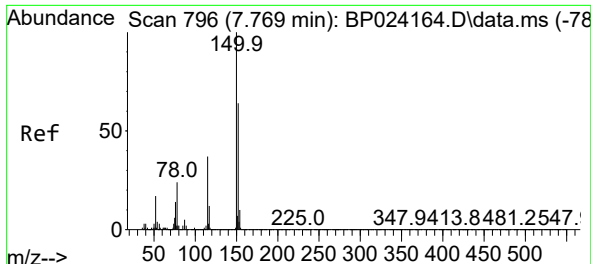
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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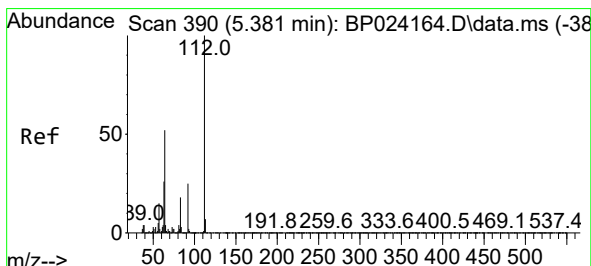
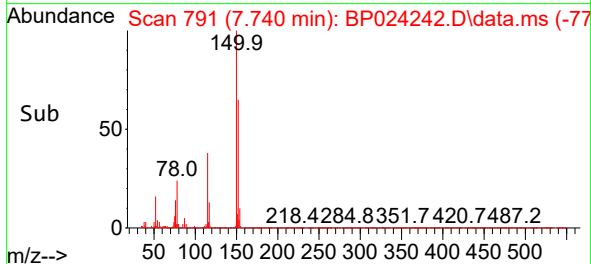
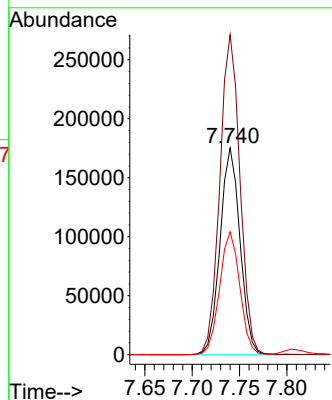
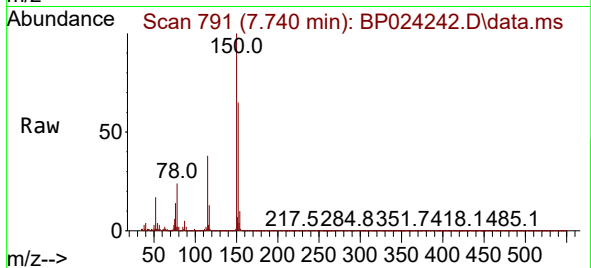




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 796
Delta R.T. -0.029 min
Lab File: BP024242.D
Acq: 09 Apr 2025 19:43

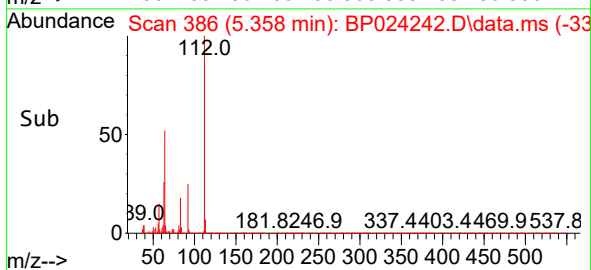
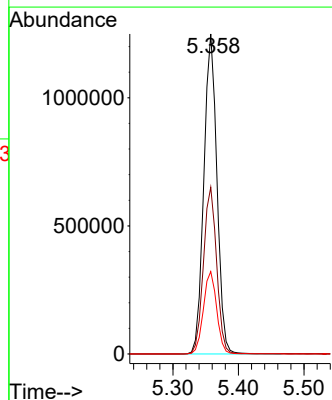
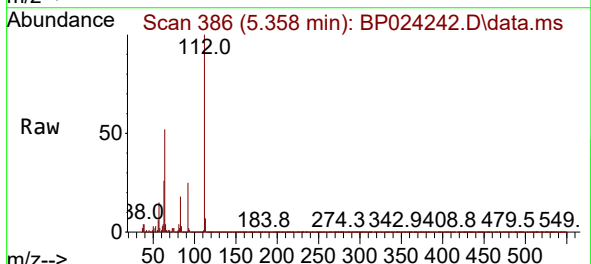
Instrument :
BNA_P
ClientSampleId :
IB-6A-WC

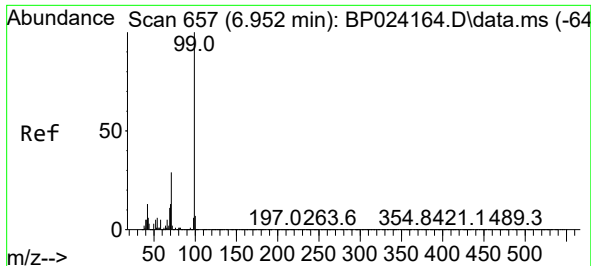
Tgt Ion:152 Resp: 257329
Ion Ratio Lower Upper
152 100
150 154.8 125.5 188.3
115 59.5 46.3 69.5



#5
2-Fluorophenol
Concen: 107.893 ng
RT: 5.358 min Scan# 386
Delta R.T. -0.024 min
Lab File: BP024242.D
Acq: 09 Apr 2025 19:43

Tgt Ion:112 Resp: 1739294
Ion Ratio Lower Upper
112 100
64 52.1 41.3 61.9
63 25.8 20.6 31.0

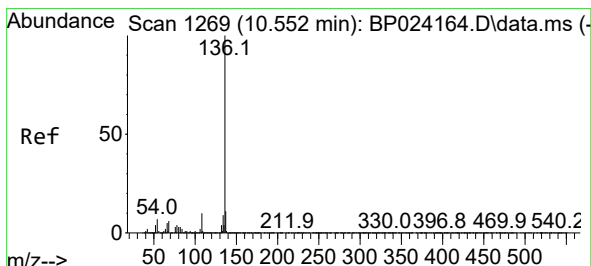
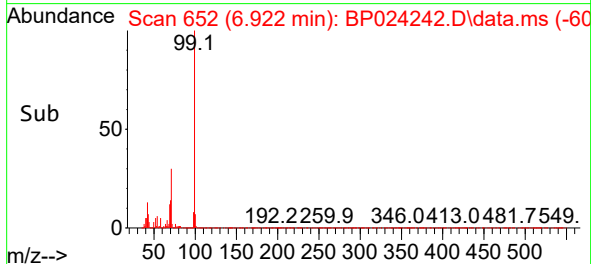
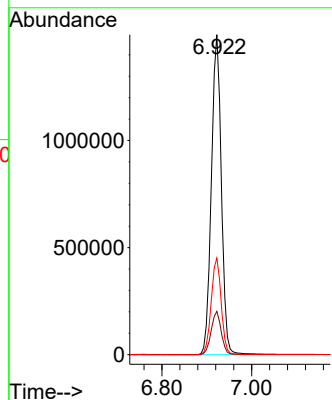
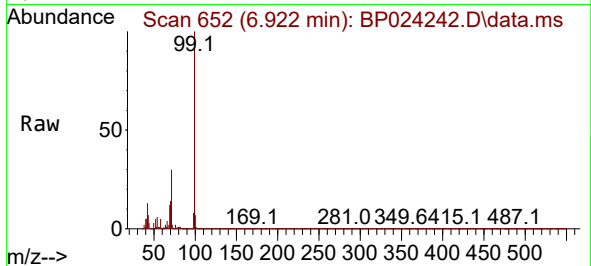




#7
Phenol-d6
Concen: 106.987 ng
RT: 6.922 min Scan# 61
Delta R.T. -0.029 min
Lab File: BP024242.D
Acq: 09 Apr 2025 19:43

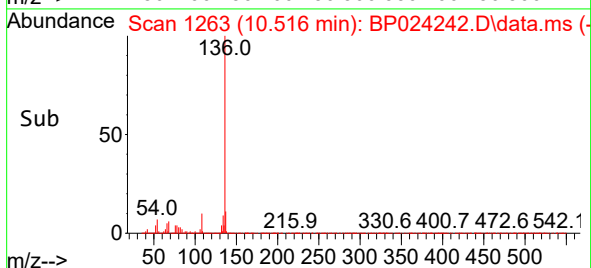
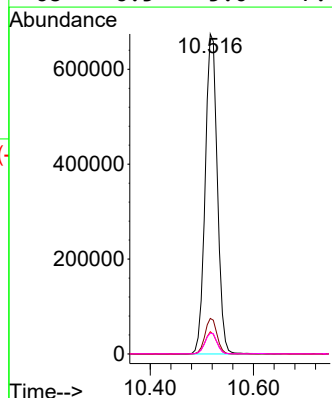
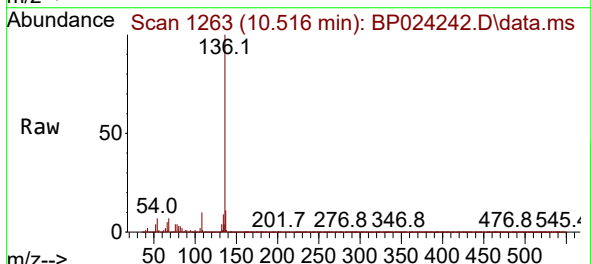
Instrument :
BNA_P
ClientSampleId :
IB-6A-WC

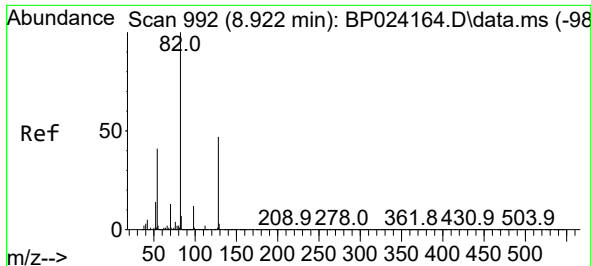
Tgt Ion: 99 Resp: 2306354
Ion Ratio Lower Upper
99 100
42 13.5 10.6 16.0
71 30.2 23.3 34.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.516 min Scan# 1263
Delta R.T. -0.035 min
Lab File: BP024242.D
Acq: 09 Apr 2025 19:43

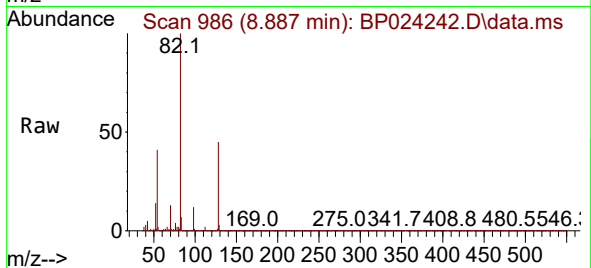
Tgt Ion:136 Resp: 1096597
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 7.0 5.3 7.9
68 6.5 5.0 7.4



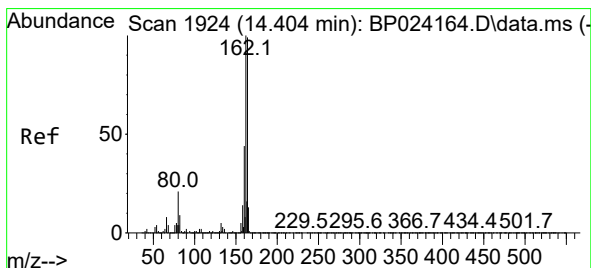
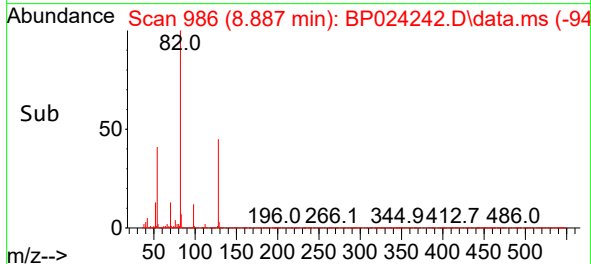
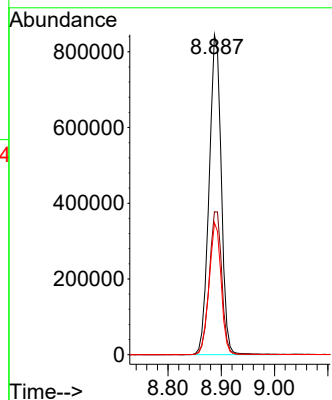


#23
Nitrobenzene-d5
Concen: 69.019 ng
RT: 8.887 min Scan# 91
Delta R.T. -0.035 min
Lab File: BP024242.D
Acq: 09 Apr 2025 19:43

Instrument :
BNA_P
ClientSampleId :
IB-6A-WC

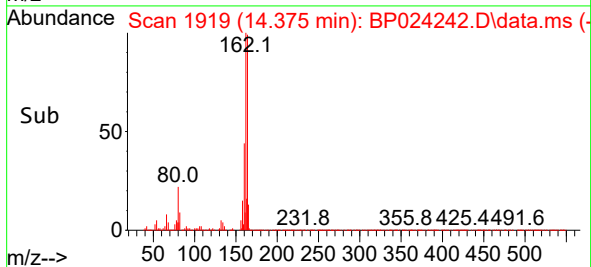
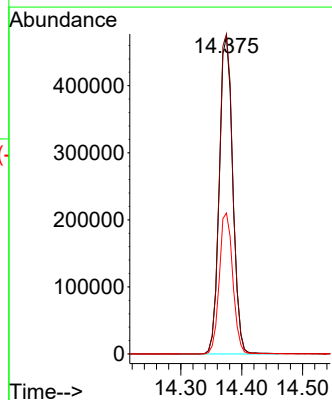
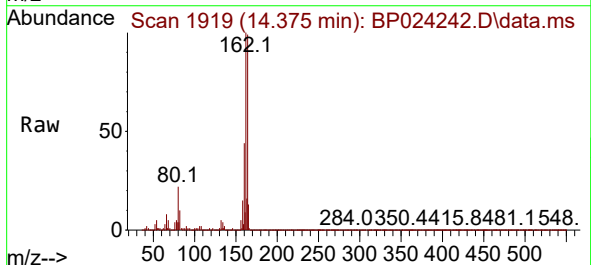


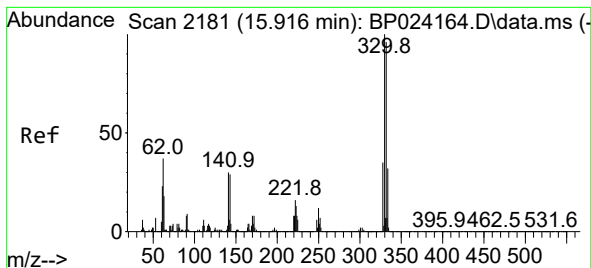
Tgt Ion: 82 Resp: 1341459
Ion Ratio Lower Upper
82 100
128 44.7 37.4 56.0
54 41.2 32.5 48.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.375 min Scan# 1919
Delta R.T. -0.029 min
Lab File: BP024242.D
Acq: 09 Apr 2025 19:43

Tgt Ion: 164 Resp: 722885
Ion Ratio Lower Upper
164 100
162 100.9 80.6 121.0
160 44.4 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 123.230 ng

RT: 15.898 min Scan# 2181

Delta R.T. -0.018 min

Lab File: BP024242.D

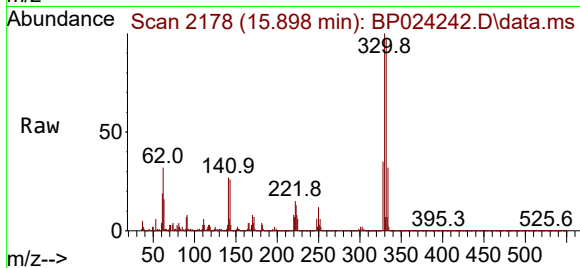
Acq: 09 Apr 2025 19:43

Instrument :

BNA_P

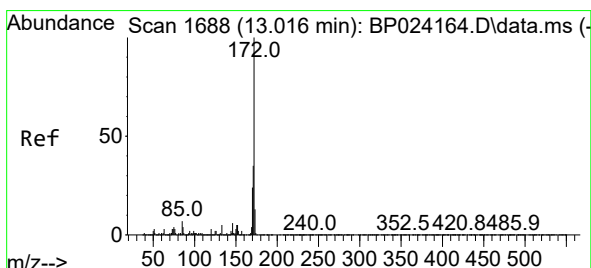
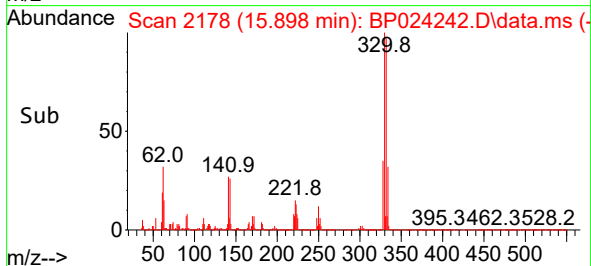
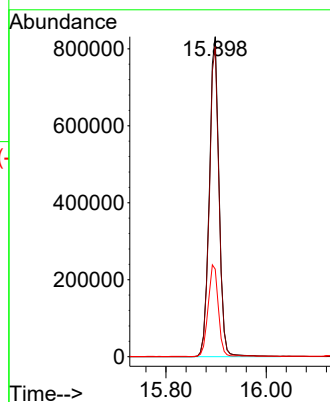
ClientSampleId :

IB-6A-WC



Tgt Ion:330 Resp: 1122087

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.6	116.4
141	30.1	25.0	37.6



#45

2-Fluorobiphenyl

Concen: 58.725 ng

RT: 12.993 min Scan# 1684

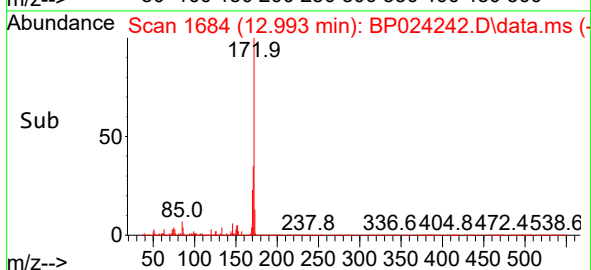
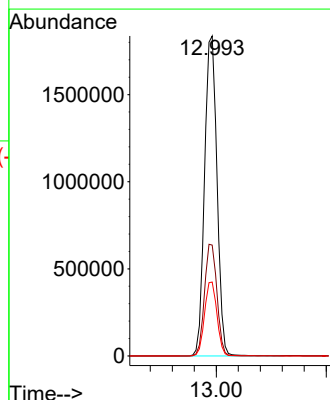
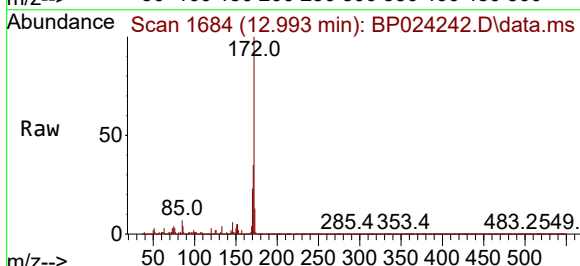
Delta R.T. -0.024 min

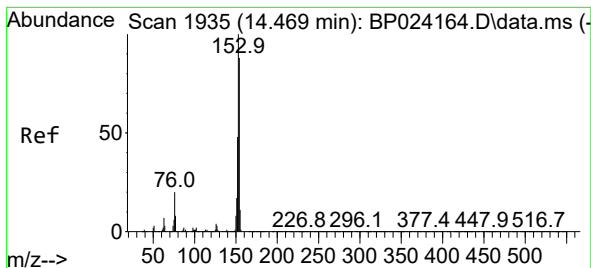
Lab File: BP024242.D

Acq: 09 Apr 2025 19:43

Tgt Ion:172 Resp: 2878971

Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.3	42.5
170	23.1	19.0	28.4





#52

Acenaphthene

Concen: 2.037 ng

RT: 14.440 min Scan# 1935

Delta R.T. -0.029 min

Lab File: BP024242.D

Acq: 09 Apr 2025 19:43

Instrument :

BNA_P

ClientSampleId :

IB-6A-WC

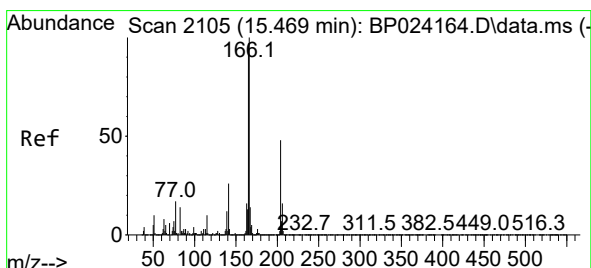
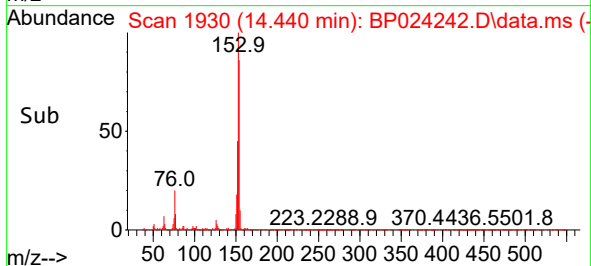
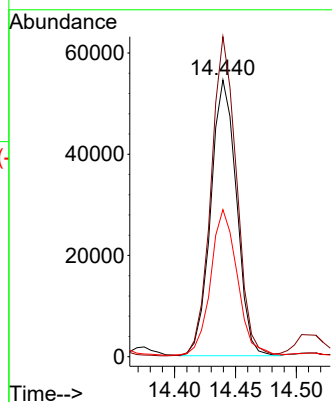
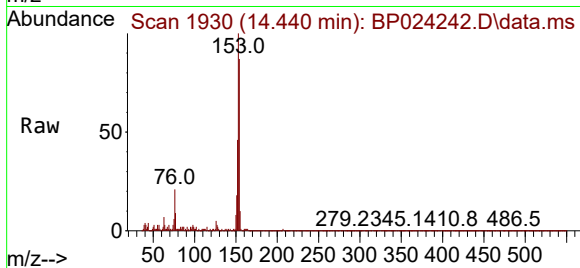
Tgt Ion:154 Resp: 80461

Ion Ratio Lower Upper

154 100

153 115.6 90.5 135.7

152 53.1 43.1 64.7



#58

Fluorene

Concen: 2.553 ng

RT: 15.440 min Scan# 2100

Delta R.T. -0.029 min

Lab File: BP024242.D

Acq: 09 Apr 2025 19:43

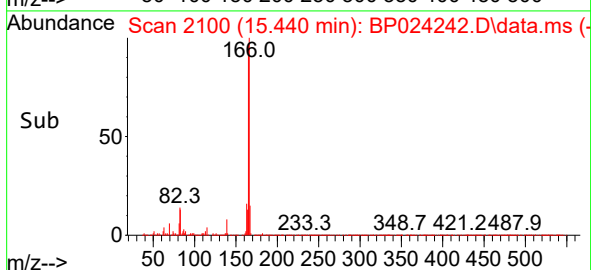
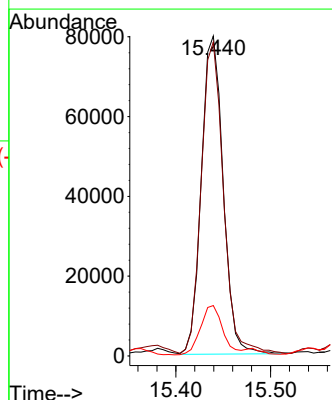
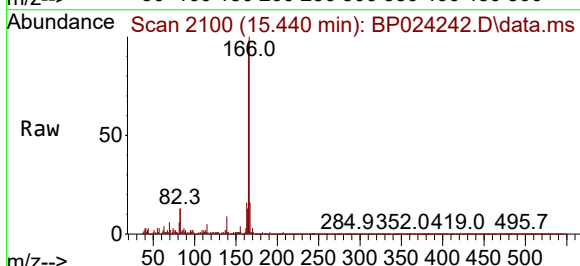
Tgt Ion:166 Resp: 127281

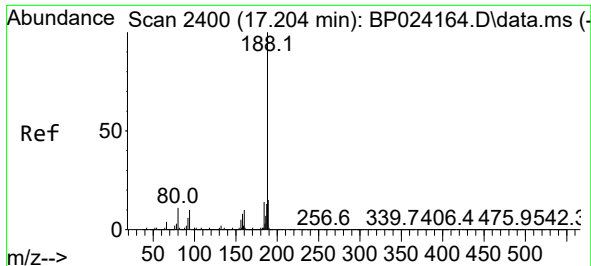
Ion Ratio Lower Upper

166 100

165 98.1 77.6 116.4

167 15.8 10.8 16.2

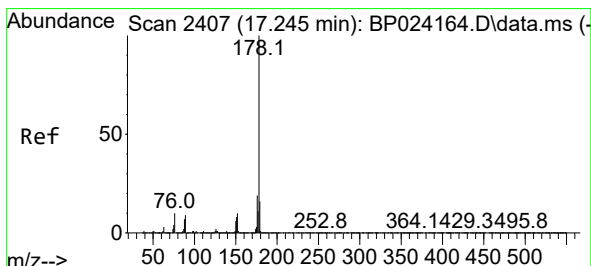
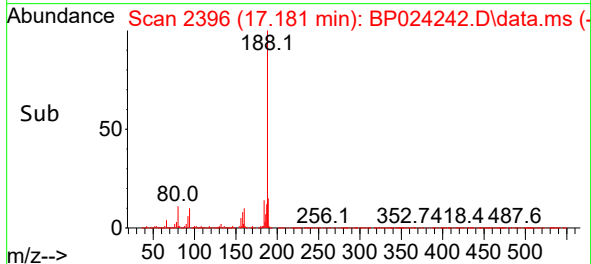
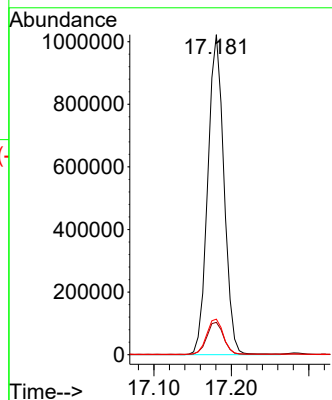
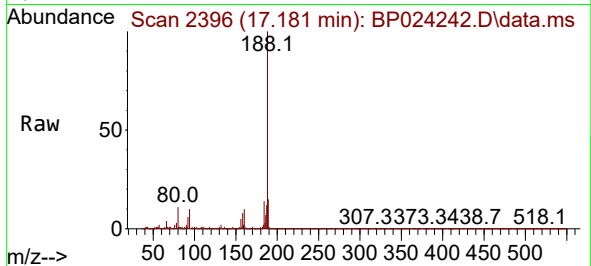




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.181 min Scan# 21
Delta R.T. -0.024 min
Lab File: BP024242.D
Acq: 09 Apr 2025 19:43

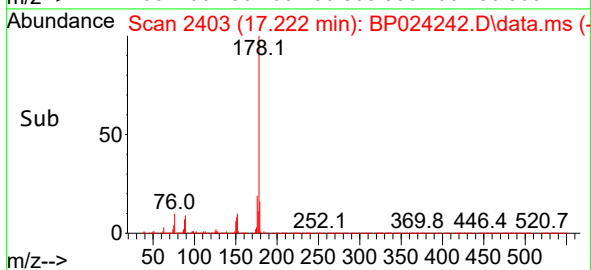
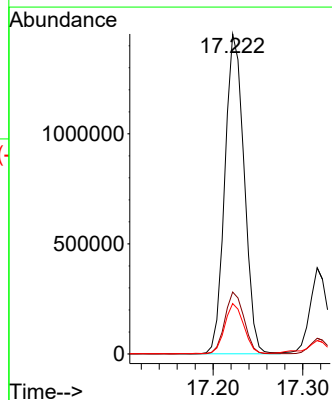
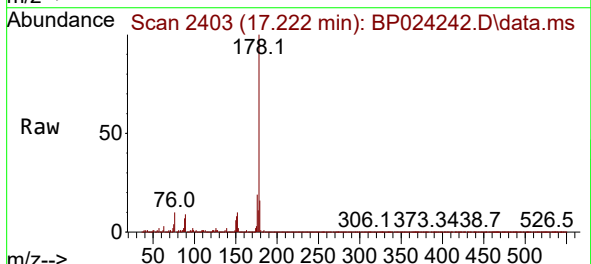
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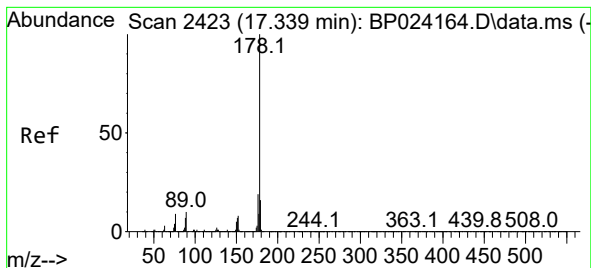
Tgt Ion:188 Resp: 1479078
Ion Ratio Lower Upper
188 100
94 10.1 8.1 12.1
80 11.1 8.9 13.3



#71
Phenanthrene
Concen: 26.872 ng
RT: 17.222 min Scan# 2403
Delta R.T. -0.024 min
Lab File: BP024242.D
Acq: 09 Apr 2025 19:43

Tgt Ion:178 Resp: 2171333
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 15.7 12.5 18.7





#72

Anthracene

Concen: 6.529 ng

RT: 17.316 min Scan# 24

Delta R.T. -0.024 min

Lab File: BP024242.D

Acq: 09 Apr 2025 19:43

Instrument :

BNA_P

ClientSampleId :

IB-6A-WC

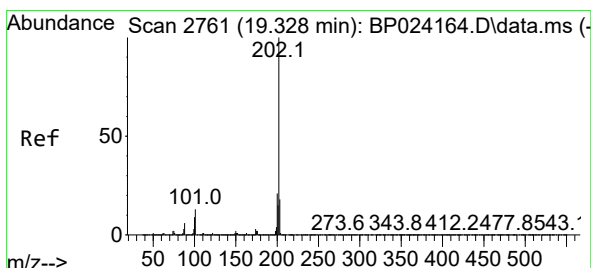
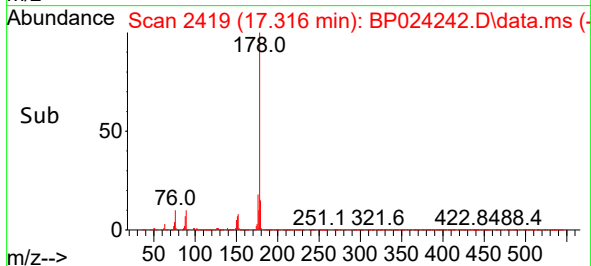
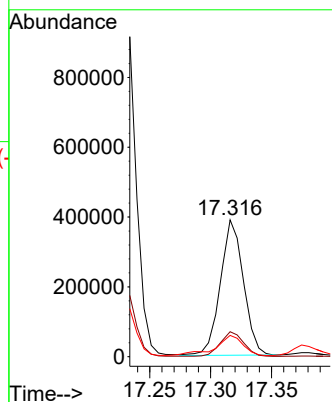
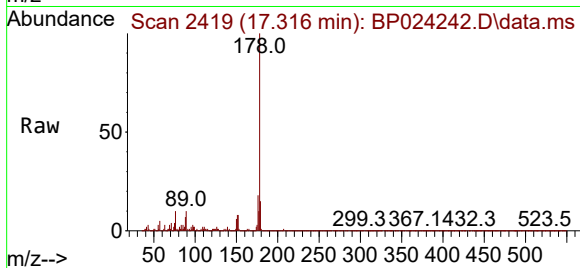
Tgt Ion:178 Resp: 513797

Ion Ratio Lower Upper

178 100

176 18.2 15.2 22.8

179 15.5 12.6 18.8



#75

Fluoranthene

Concen: 30.677 ng

RT: 19.310 min Scan# 2758

Delta R.T. -0.018 min

Lab File: BP024242.D

Acq: 09 Apr 2025 19:43

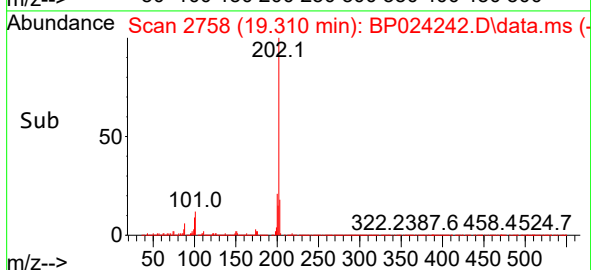
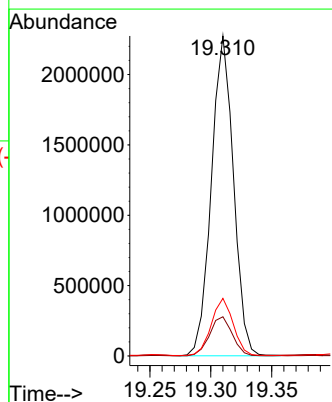
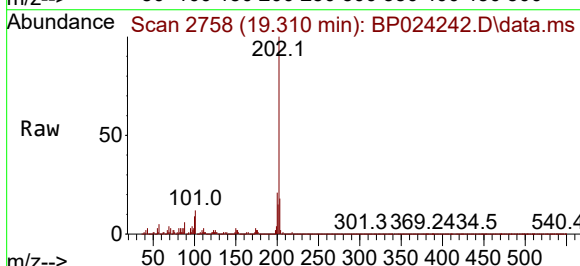
Tgt Ion:202 Resp: 2870838

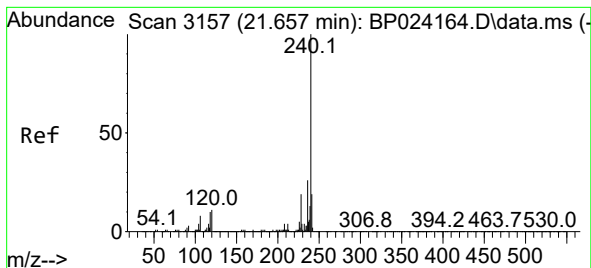
Ion Ratio Lower Upper

202 100

101 12.3 0.0 32.5

203 18.0 0.0 37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.627 min Scan# 3157

Delta R.T. -0.029 min

Lab File: BP024242.D

Acq: 09 Apr 2025 19:43

Instrument :

BNA_P

ClientSampleId :

IB-6A-WC

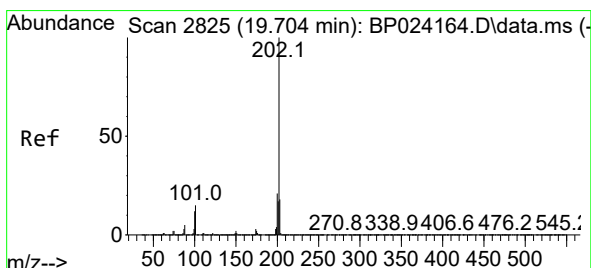
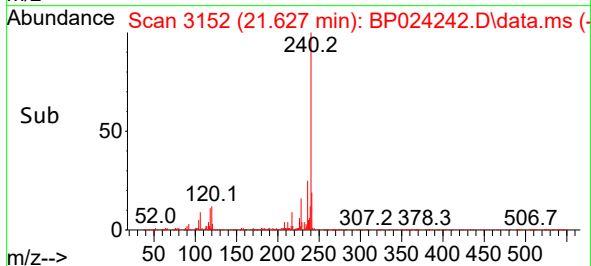
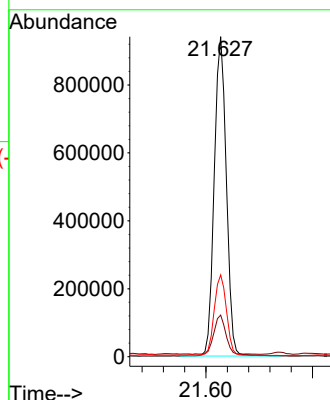
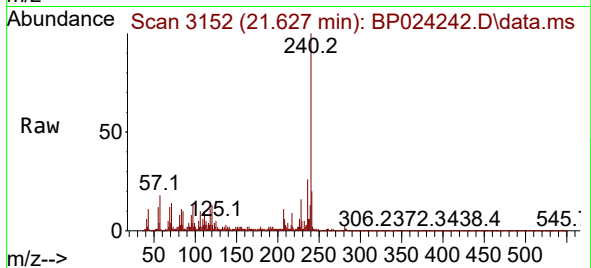
Tgt Ion:240 Resp: 1477869

Ion Ratio Lower Upper

240 100

120 13.0 9.2 13.8

236 25.6 20.4 30.6



#78

Pyrene

Concen: 30.401 ng

RT: 19.686 min Scan# 2822

Delta R.T. -0.018 min

Lab File: BP024242.D

Acq: 09 Apr 2025 19:43

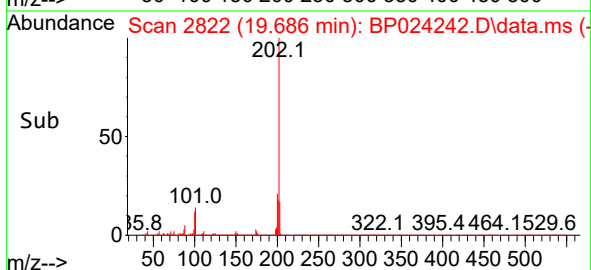
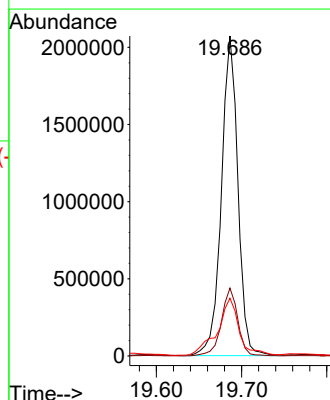
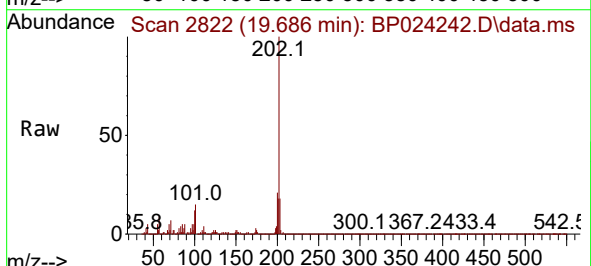
Tgt Ion:202 Resp: 2793223

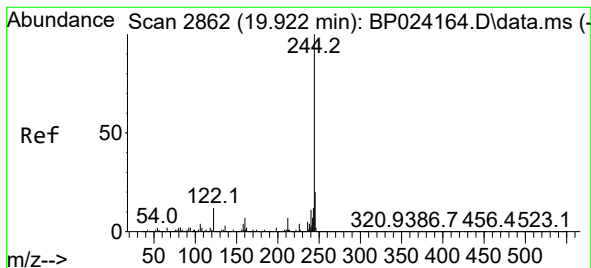
Ion Ratio Lower Upper

202 100

200 21.2 17.1 25.7

203 18.0 14.2 21.4





#79

Terphenyl-d14

Concen: 62.299 ng

RT: 19.910 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP024242.D

Acq: 09 Apr 2025 19:43

Instrument :

BNA_P

ClientSampleId :

IB-6A-WC

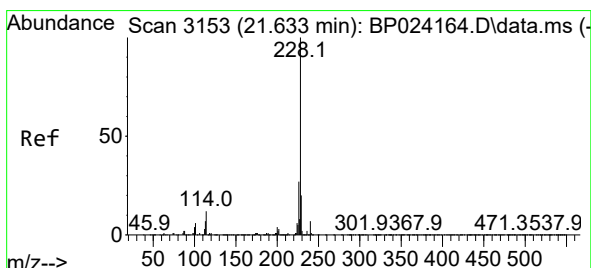
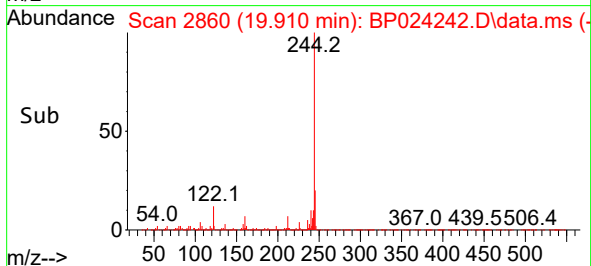
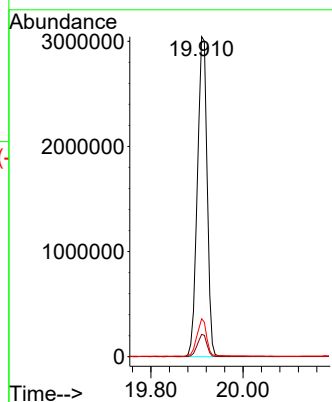
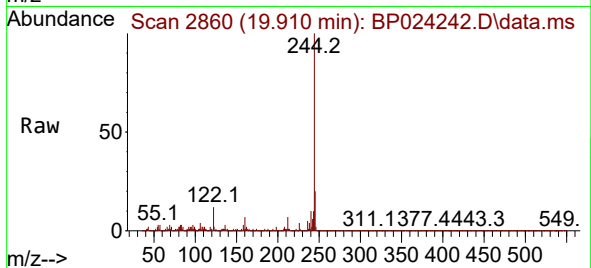
Tgt Ion:244 Resp: 4460243

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

122 11.9 9.6 14.4



#81

Benzo(a)anthracene

Concen: 14.278 ng

RT: 21.610 min Scan# 3149

Delta R.T. -0.024 min

Lab File: BP024242.D

Acq: 09 Apr 2025 19:43

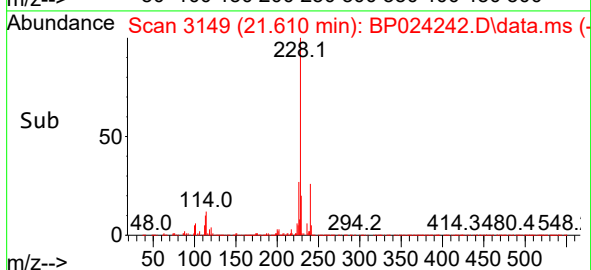
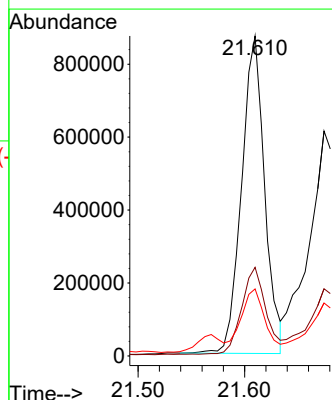
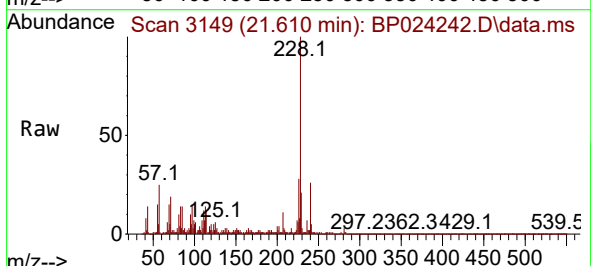
Tgt Ion:228 Resp: 1311898

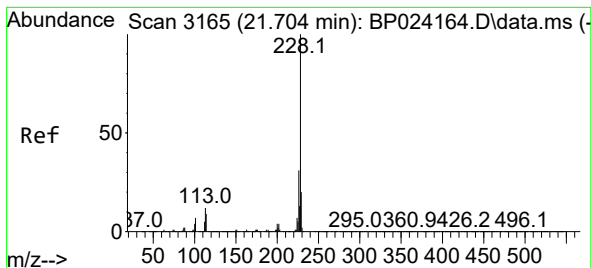
Ion Ratio Lower Upper

228 100

226 27.7 21.8 32.8

229 21.0 16.0 24.0





#83

Chrysene

Concen: 14.042 ng

RT: 21.675 min Scan# 3165

Delta R.T. -0.029 min

Lab File: BP024242.D

Acq: 09 Apr 2025 19:43

Instrument :

BNA_P

ClientSampleId :

IB-6A-WC

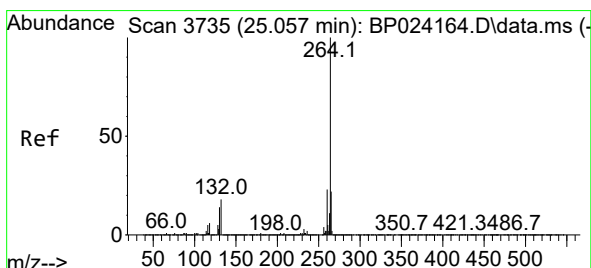
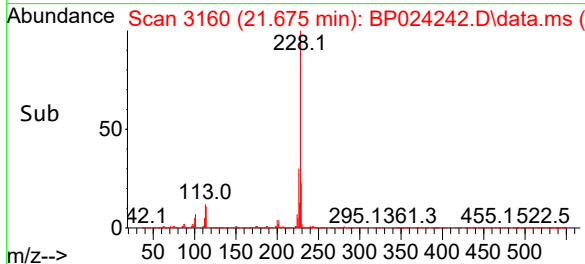
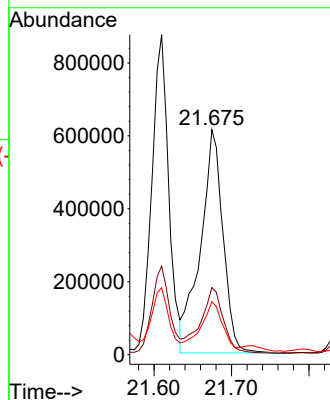
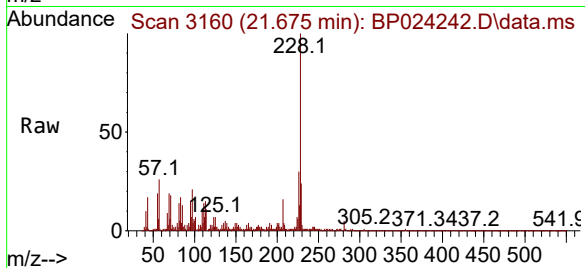
Tgt Ion:228 Resp: 1240297

Ion Ratio Lower Upper

228 100

226 29.9 24.5 36.7

229 23.6 16.2 24.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.010 min Scan# 3727

Delta R.T. -0.047 min

Lab File: BP024242.D

Acq: 09 Apr 2025 19:43

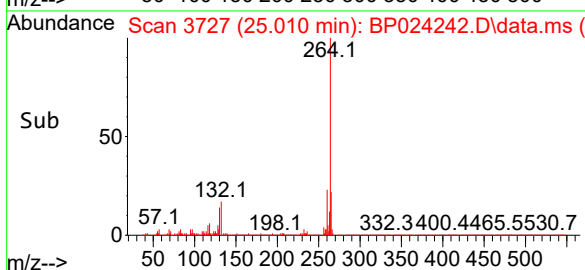
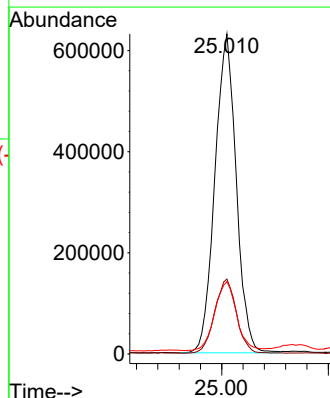
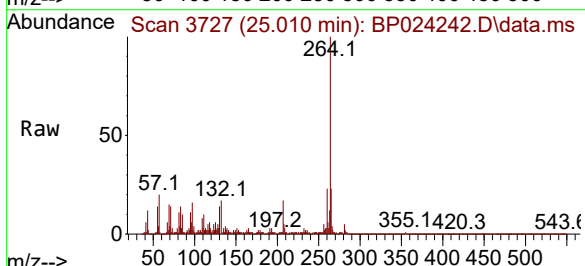
Tgt Ion:264 Resp: 1753663

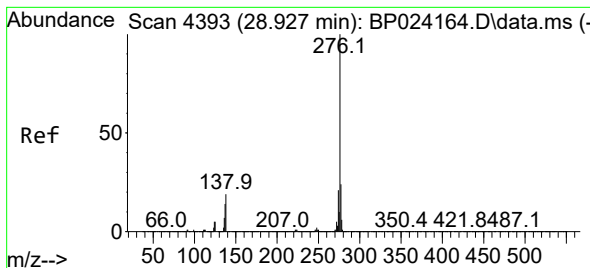
Ion Ratio Lower Upper

264 100

260 23.4 18.5 27.7

265 22.6 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.161 ng

RT: 28.804 min Scan# 41

Delta R.T. -0.124 min

Lab File: BP024242.D

Acq: 09 Apr 2025 19:43

Instrument :

BNA_P

ClientSampleId :

IB-6A-WC

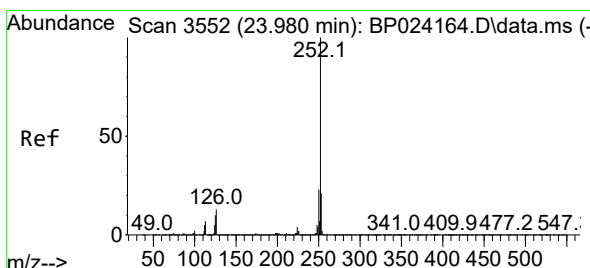
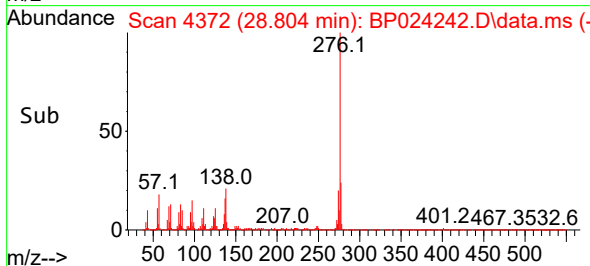
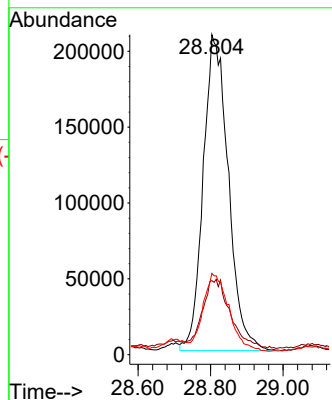
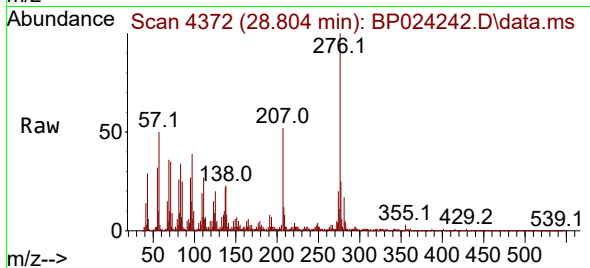
Tgt Ion:276 Resp: 998797

Ion Ratio Lower Upper

276 100

138 23.8 13.7 20.5#

277 25.4 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 17.224 ng

RT: 23.927 min Scan# 3543

Delta R.T. -0.053 min

Lab File: BP024242.D

Acq: 09 Apr 2025 19:43

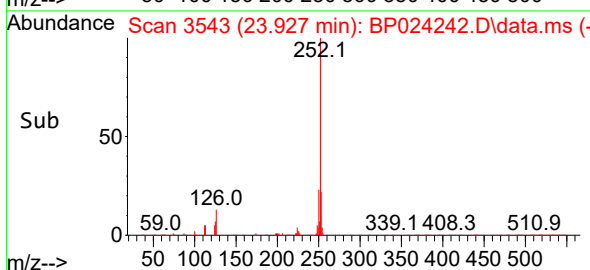
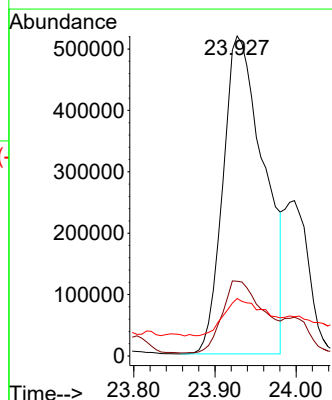
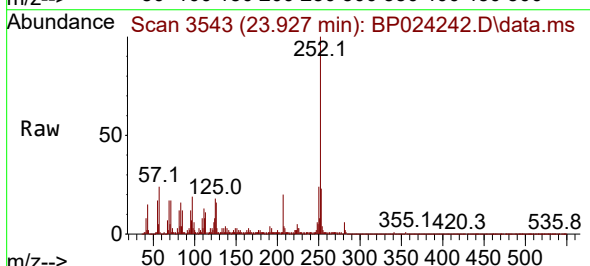
Tgt Ion:252 Resp: 1821197

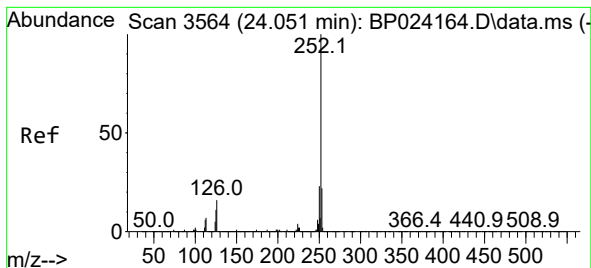
Ion Ratio Lower Upper

252 100

253 23.3 17.2 25.8

125 18.0 8.2 12.4#





#89

Benzo(k)fluoranthene

Concen: 5.123 ng m

RT: 23.998 min Scan# 3

Delta R.T. -0.053 min

Lab File: BP024242.D

Acq: 09 Apr 2025 19:43

Instrument :

BNA_P

ClientSampleId :

IB-6A-WC

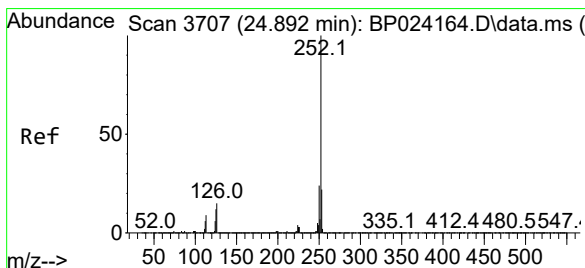
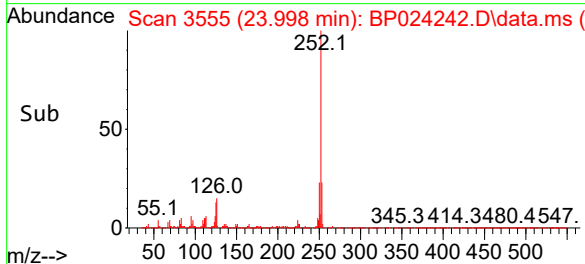
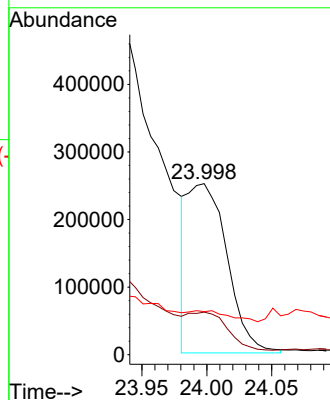
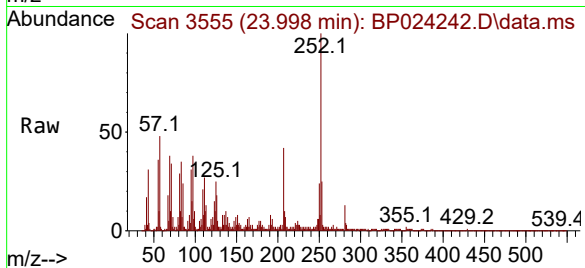
Tgt Ion:252 Resp: 529916

Ion Ratio Lower Upper

252 100

253 24.9 17.7 26.5

125 25.2 9.1 13.7#



#90

Benzo(a)pyrene

Concen: 15.992 ng

RT: 24.833 min Scan# 3697

Delta R.T. -0.059 min

Lab File: BP024242.D

Acq: 09 Apr 2025 19:43

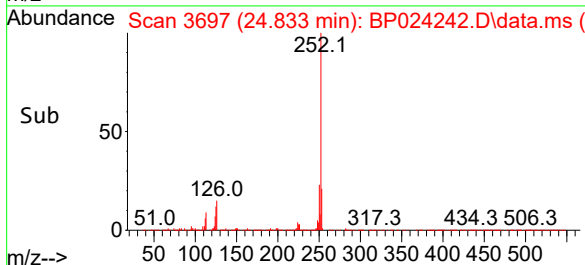
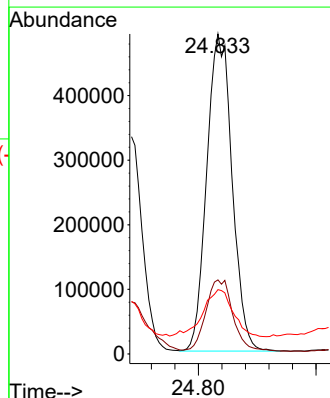
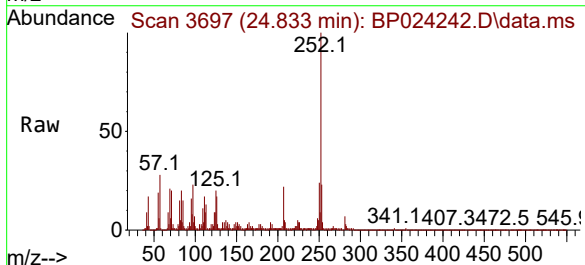
Tgt Ion:252 Resp: 1470370

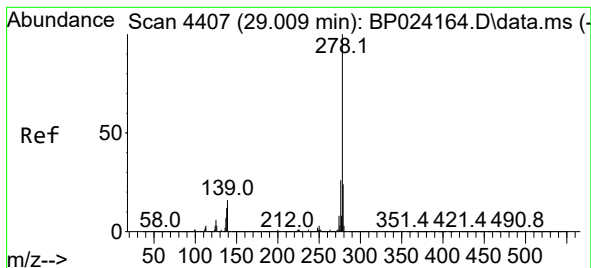
Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.0

125 20.1 9.6 14.4#





#91

Dibenzo(a,h)anthracene

Concen: 2.338 ng

RT: 28.874 min Scan# 41

Delta R.T. -0.135 min

Lab File: BP024242.D

Acq: 09 Apr 2025 19:43

Instrument :

BNA_P

ClientSampleId :

IB-6A-WC

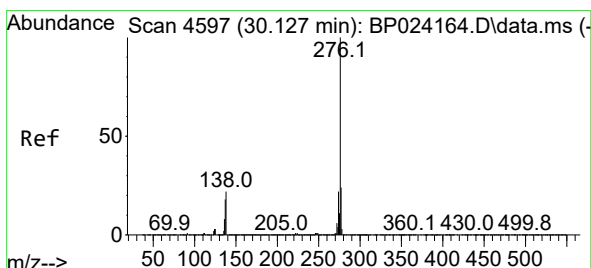
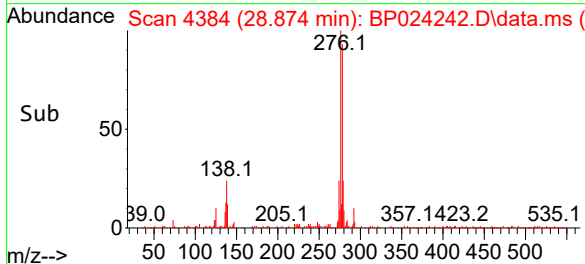
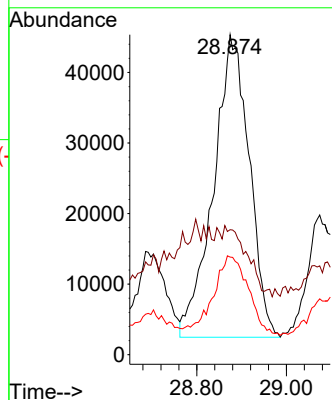
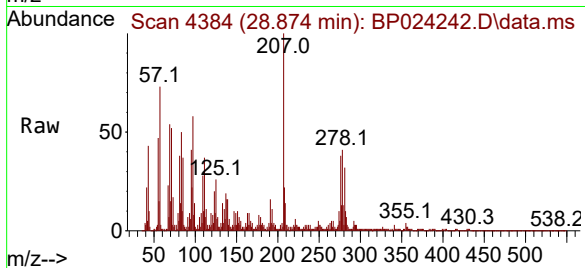
Tgt Ion:278 Resp: 238074

Ion Ratio Lower Upper

278 100

139 39.0 13.0 19.4#

279 30.5 18.8 28.2#



#92

Benzo(g,h,i)perylene

Concen: 9.805 ng

RT: 29.998 min Scan# 4575

Delta R.T. -0.129 min

Lab File: BP024242.D

Acq: 09 Apr 2025 19:43

Tgt Ion:276 Resp: 1014943

Ion Ratio Lower Upper

276 100

277 24.5 19.2 28.8

138 24.2 17.4 26.2

