

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071725\
 Data File : BP025178.D
 Acq On : 17 Jul 2025 14:57
 Operator : CG/JU
 Sample : Q2598-01DL 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OK-01-071425DL

Quant Time: Jul 17 15:18:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 03 16:05:44 2025
 Response via : Initial Calibration

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

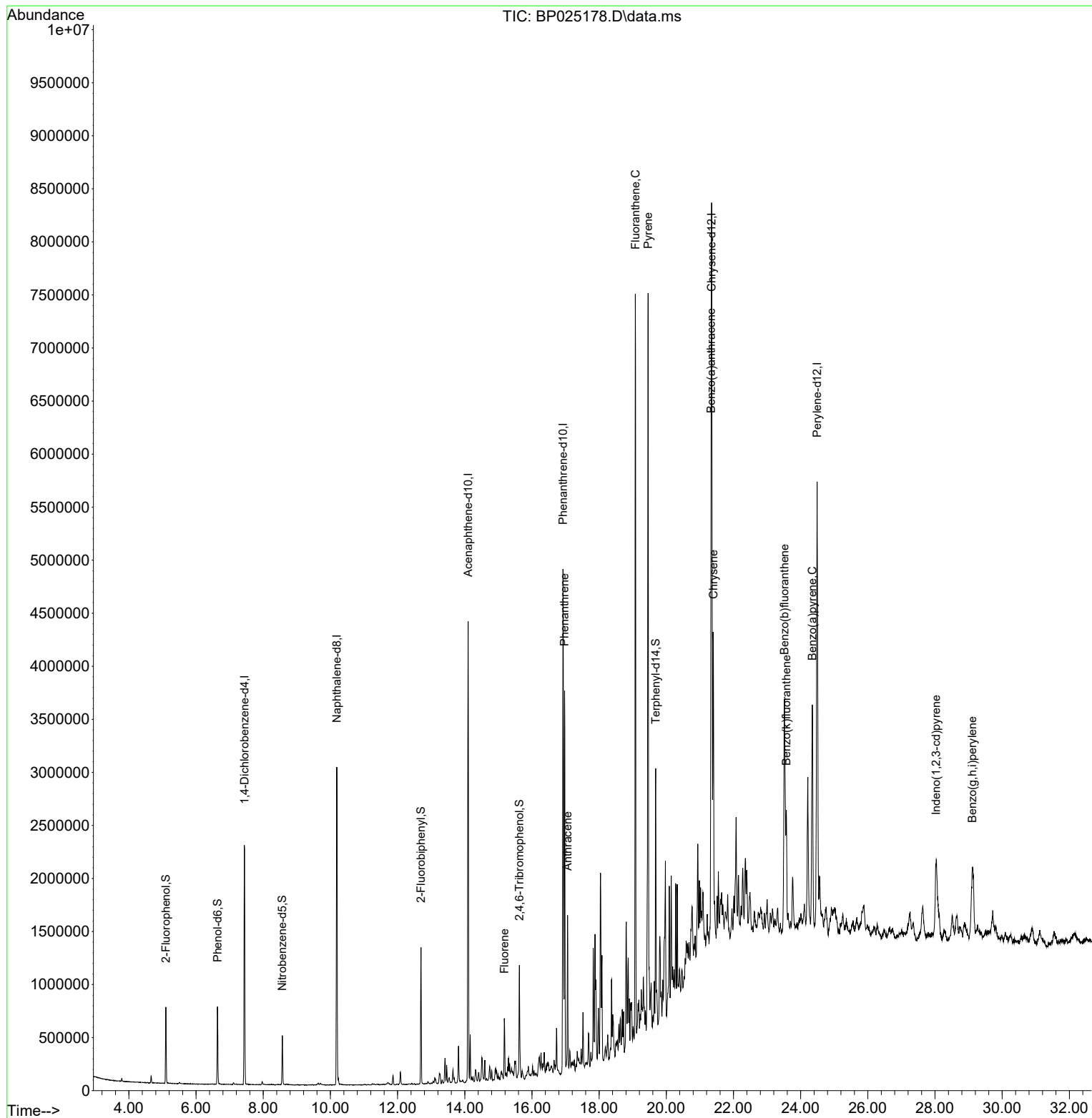
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.443	152	649263	20.000	ng	0.00
21) Naphthalene-d8	10.190	136	2609738	20.000	ng	0.00
39) Acenaphthene-d10	14.101	164	1662035	20.000	ng	0.01
64) Phenanthrene-d10	16.925	188	3308562	20.000	ng	0.02
76) Chrysene-d12	21.348	240	3412173	20.000	ng	0.00
86) Perylene-d12	24.489	264	3972927	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.102	112	321867	8.784	ng	0.00
7) Phenol-d6	6.637	99	410174	8.578	ng	0.00
23) Nitrobenzene-d5	8.566	82	244930	6.242	ng	0.00
42) 2,4,6-Tribromophenol	15.625	330	196935	10.030	ng	0.00
45) 2-Fluorobiphenyl	12.696	172	678922	6.328	ng	0.00
79) Terphenyl-d14	19.684	244	1084422	6.985	ng	0.01
Target Compounds						
						Qvalue
58) Fluorene	15.178	166	243327	2.126	ng	99
71) Phenanthrene	16.972	178	2241068	12.676	ng	99
72) Anthracene	17.060	178	816125	4.812	ng	99
75) Fluoranthene	19.078	202	4167838	20.169	ng	99
78) Pyrene	19.460	202	4630756	21.911	ng	100
81) Benzo(a)anthracene	21.330	228	2286723	11.059	ng	98
83) Chrysene	21.401	228	2170071	10.905	ng	98
87) Indeno(1,2,3-cd)pyrene	28.036	276	1421952	5.618	ng	# 89
88) Benzo(b)fluoranthene	23.519	252	2516358	10.882	ng	99
89) Benzo(k)fluoranthene	23.572	252	782471	3.401	ng	97
90) Benzo(a)pyrene	24.348	252	2128452	10.815	ng	99
92) Benzo(g,h,i)perylene	29.112	276	1346053	6.228	ng	98

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

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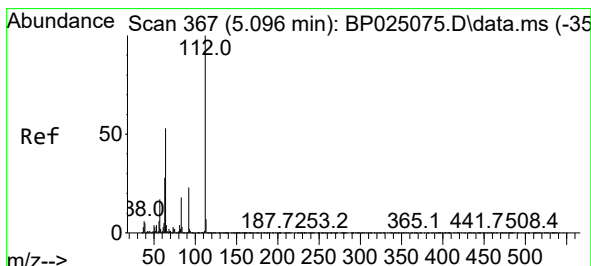
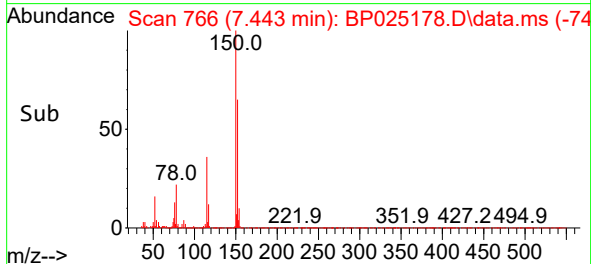
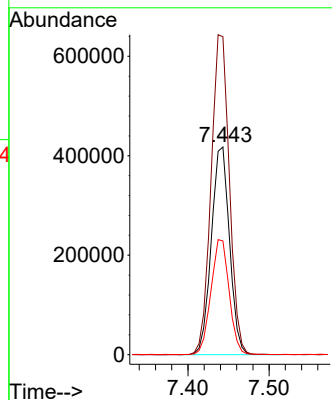
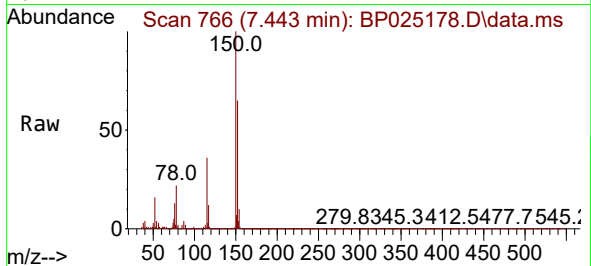




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.443 min Scan# 766
 Delta R.T. -0.000 min
 Lab File: BP025178.D
 Acq: 17 Jul 2025 14:57

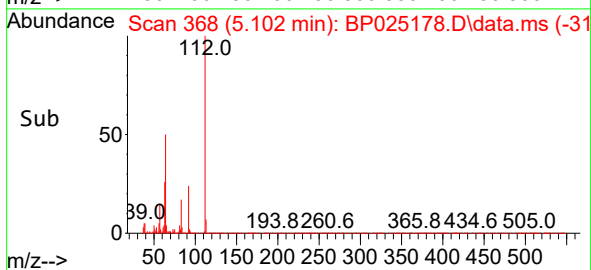
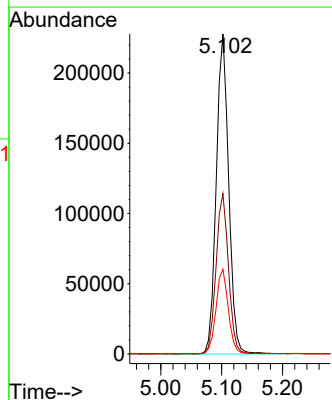
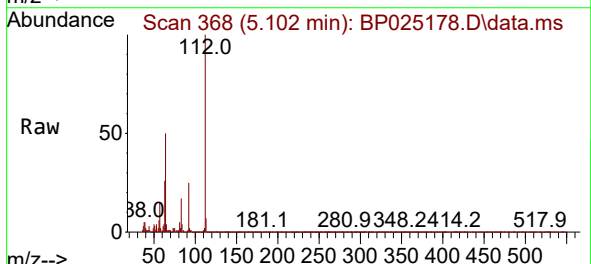
Instrument :
 BNA_P
 ClientSampleId :
 OK-01-071425DL

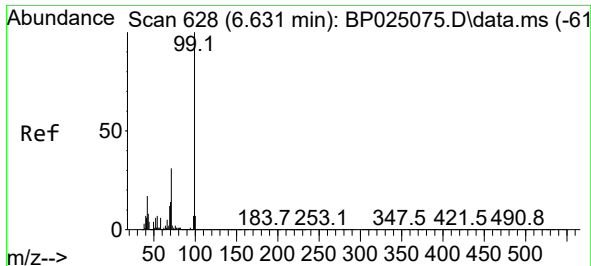
Tgt Ion:152 Resp: 649263
 Ion Ratio Lower Upper
 152 100
 150 153.1 126.1 189.1
 115 54.7 44.3 66.5



#5
 2-Fluorophenol
 Concen: 8.784 ng
 RT: 5.102 min Scan# 368
 Delta R.T. 0.006 min
 Lab File: BP025178.D
 Acq: 17 Jul 2025 14:57

Tgt Ion:112 Resp: 321867
 Ion Ratio Lower Upper
 112 100
 64 50.1 42.0 63.0
 63 26.5 22.2 33.2

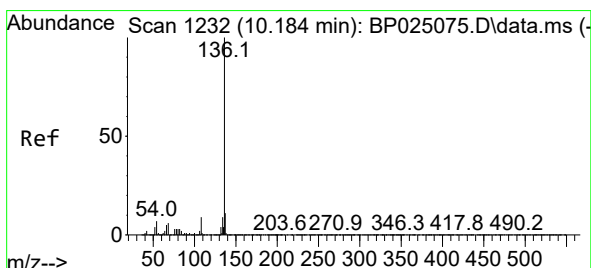
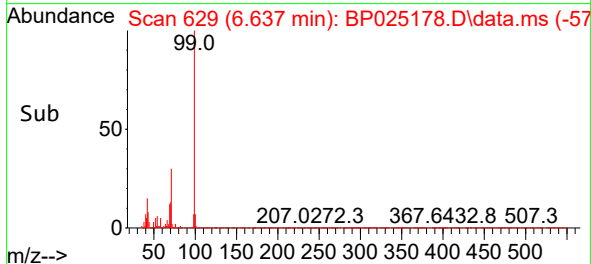
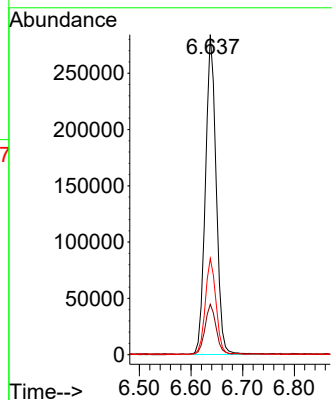
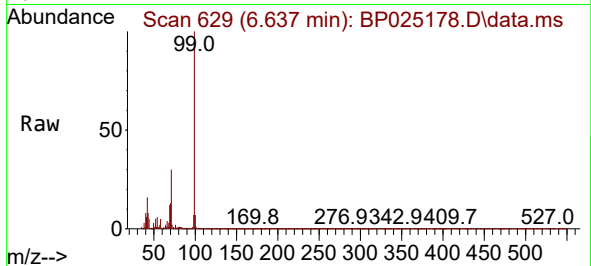




#7
Phenol-d6
Concen: 8.578 ng
RT: 6.637 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP025178.D
Acq: 17 Jul 2025 14:57

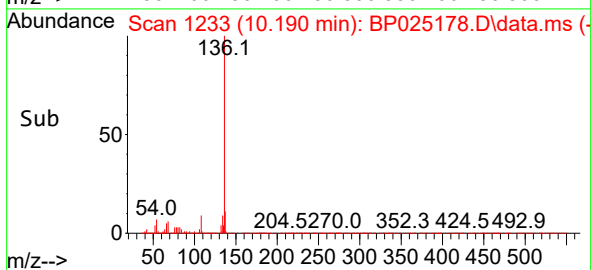
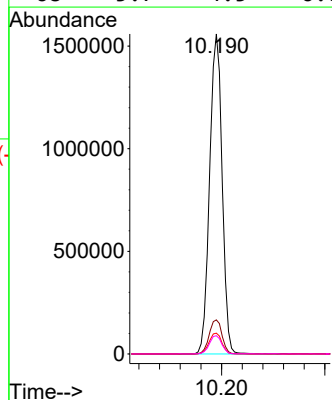
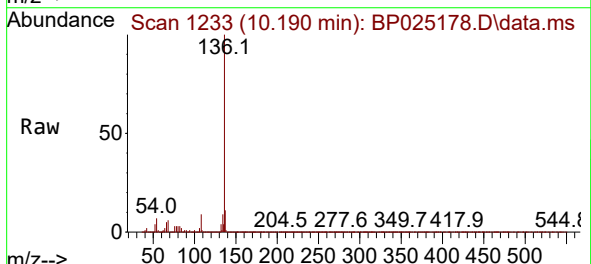
Instrument :
BNA_P
ClientSampleId :
OK-01-071425DL

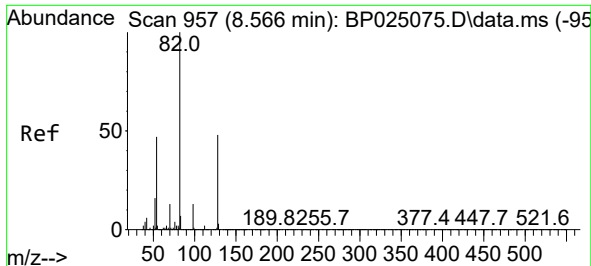
Tgt Ion: 99 Resp: 410174
Ion Ratio Lower Upper
99 100
42 15.7 13.6 20.4
71 30.0 24.4 36.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.190 min Scan# 1233
Delta R.T. 0.006 min
Lab File: BP025178.D
Acq: 17 Jul 2025 14:57

Tgt Ion: 136 Resp: 2609738
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 6.5 5.4 8.2
68 5.7 4.5 6.7

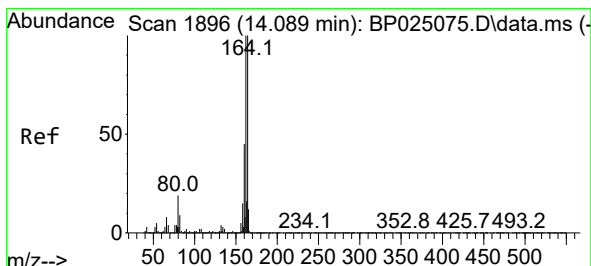
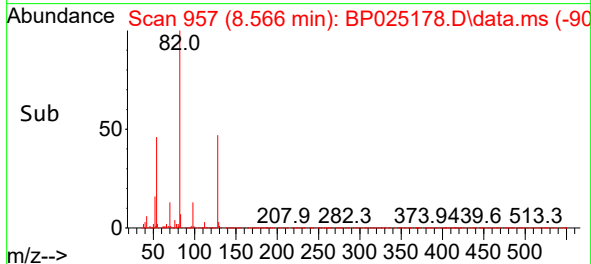
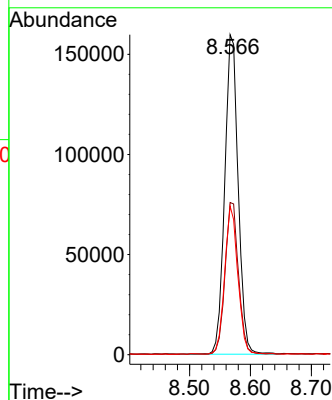
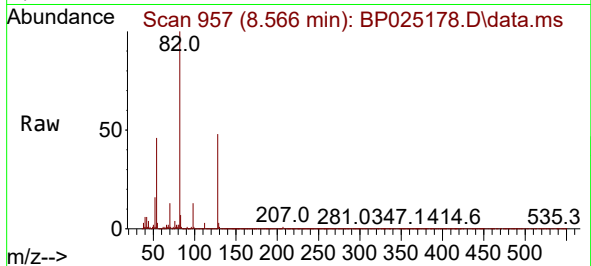




#23
Nitrobenzene-d5
Concen: 6.242 ng
RT: 8.566 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP025178.D
Acq: 17 Jul 2025 14:57

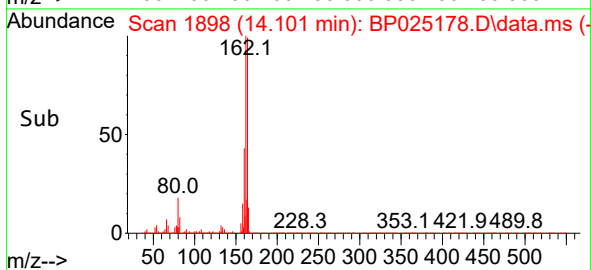
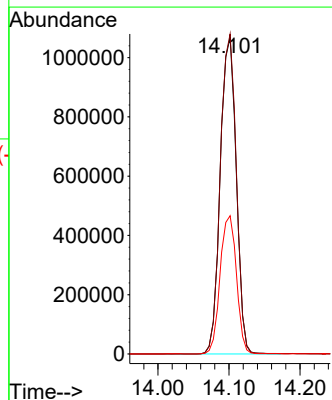
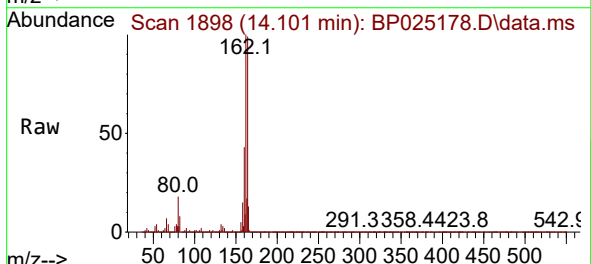
Instrument :
BNA_P
ClientSampleId :
OK-01-071425DL

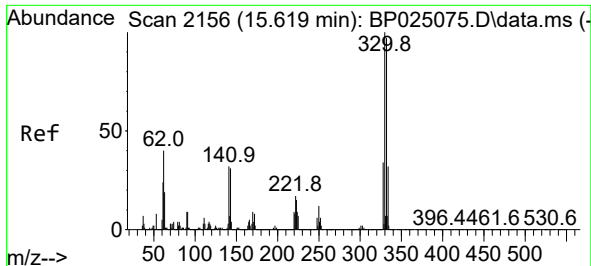
Tgt Ion: 82 Resp: 244930
Ion Ratio Lower Upper
82 100
128 47.5 38.4 57.6
54 46.4 37.8 56.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.101 min Scan# 1898
Delta R.T. 0.012 min
Lab File: BP025178.D
Acq: 17 Jul 2025 14:57

Tgt Ion:164 Resp: 1662035
Ion Ratio Lower Upper
164 100
162 101.1 80.3 120.5
160 43.7 35.9 53.9

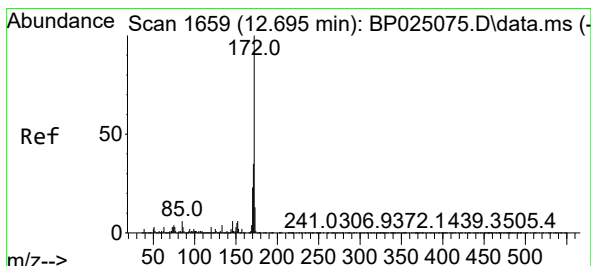
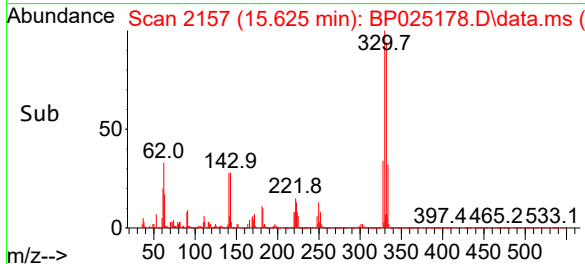
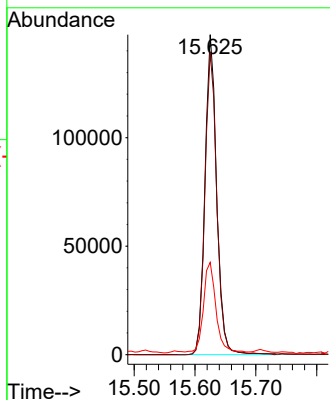
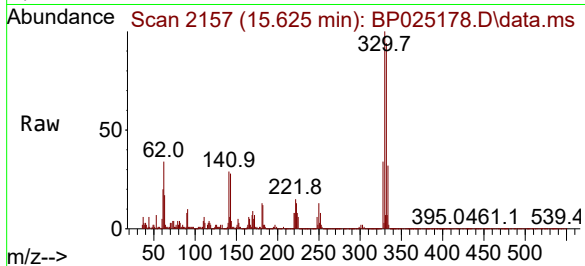




#42
2,4,6-Tribromophenol
Concen: 10.030 ng
RT: 15.625 min Scan# 2157
Delta R.T. 0.006 min
Lab File: BP025178.D
Acq: 17 Jul 2025 14:57

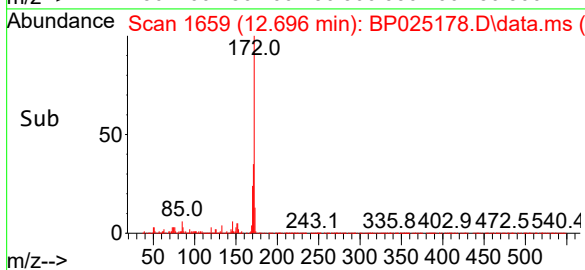
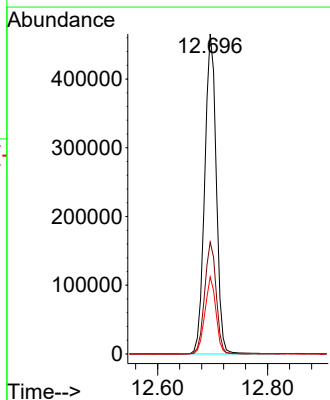
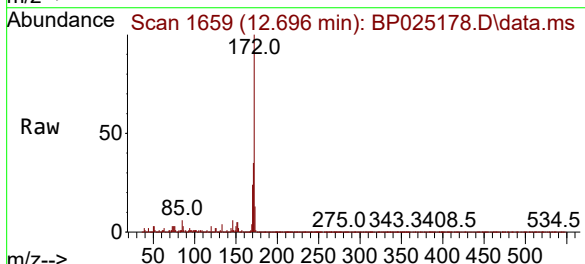
Instrument :
BNA_P
ClientSampleId :
OK-01-071425DL

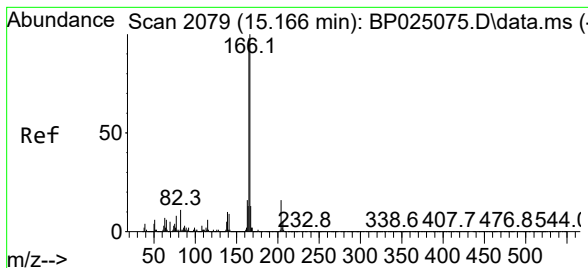
Tgt Ion:330 Resp: 196935
Ion Ratio Lower Upper
330 100
332 95.9 77.7 116.5
141 29.3 26.0 39.0



#45
2-Fluorobiphenyl
Concen: 6.328 ng
RT: 12.696 min Scan# 1659
Delta R.T. 0.000 min
Lab File: BP025178.D
Acq: 17 Jul 2025 14:57

Tgt Ion:172 Resp: 678922
Ion Ratio Lower Upper
172 100
171 35.0 28.2 42.2
170 24.1 18.7 28.1





#58

Fluorene

Concen: 2.126 ng

RT: 15.178 min Scan# 2079

Delta R.T. 0.012 min

Lab File: BP025178.D

Acq: 17 Jul 2025 14:57

Instrument :

BNA_P

ClientSampleId :

OK-01-071425DL

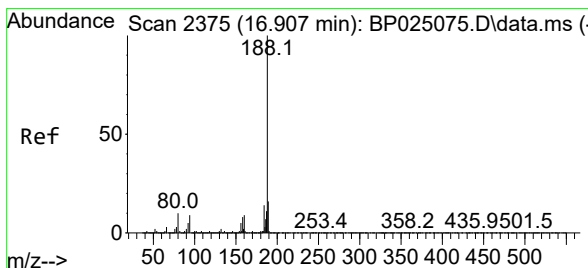
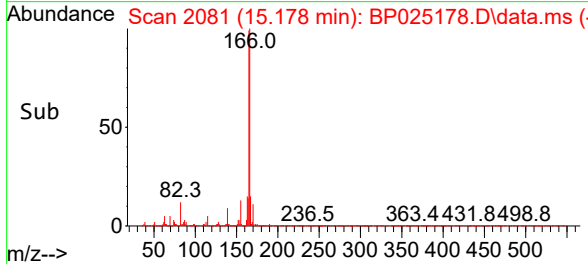
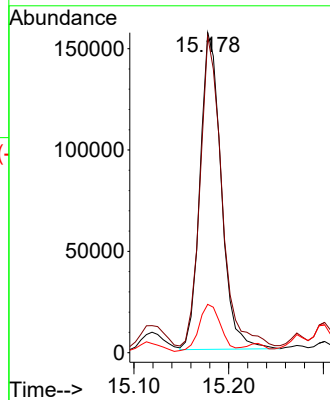
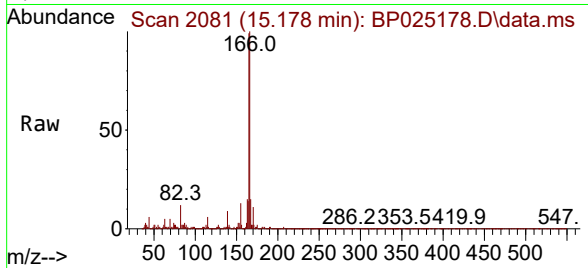
Tgt Ion:166 Resp: 243327

Ion Ratio Lower Upper

166 100

165 98.8 78.6 117.8

167 15.1 10.7 16.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.925 min Scan# 2378

Delta R.T. 0.018 min

Lab File: BP025178.D

Acq: 17 Jul 2025 14:57

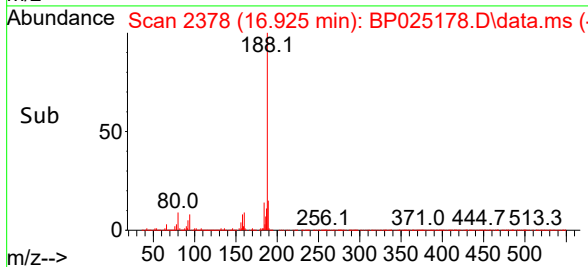
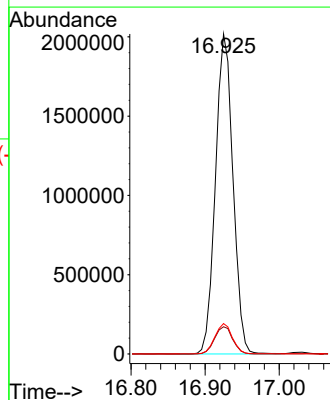
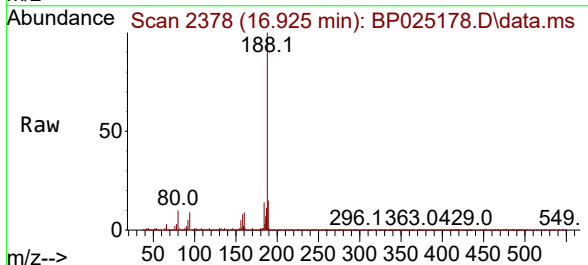
Tgt Ion:188 Resp: 3308562

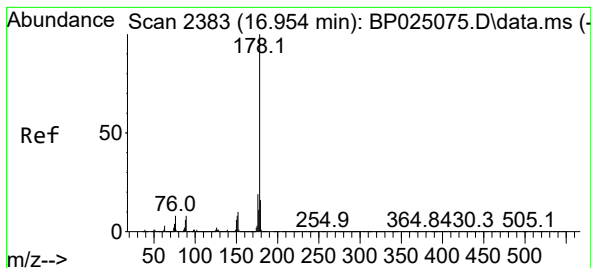
Ion Ratio Lower Upper

188 100

94 8.5 7.3 10.9

80 9.5 7.8 11.6





#71

Phenanthrene

Concen: 12.676 ng

RT: 16.972 min Scan# 21

Delta R.T. 0.018 min

Lab File: BP025178.D

Acq: 17 Jul 2025 14:57

Instrument :

BNA_P

ClientSampleId :

OK-01-071425DL

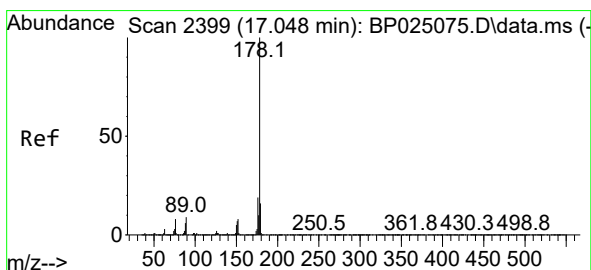
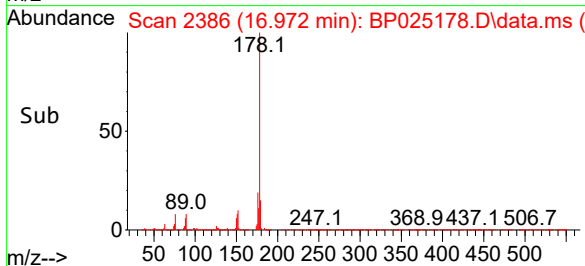
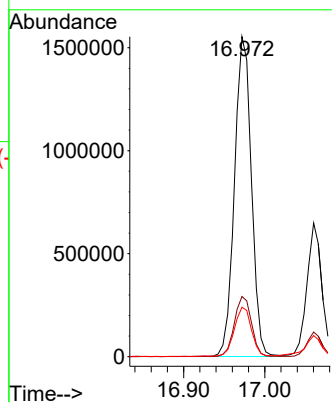
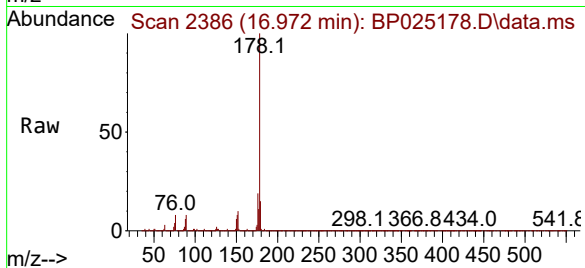
Tgt Ion:178 Resp: 2241068

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.2

179 15.5 12.6 19.0



#72

Anthracene

Concen: 4.812 ng

RT: 17.060 min Scan# 2401

Delta R.T. 0.012 min

Lab File: BP025178.D

Acq: 17 Jul 2025 14:57

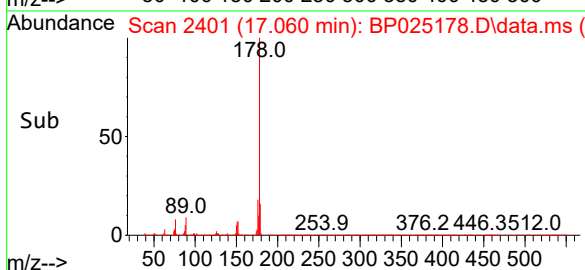
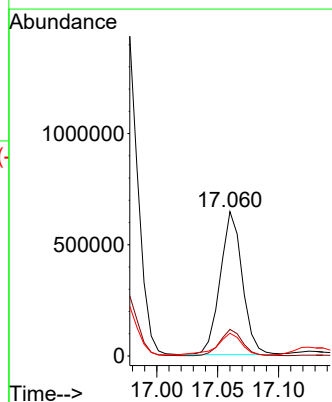
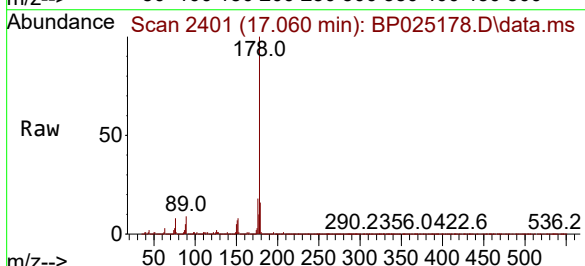
Tgt Ion:178 Resp: 816125

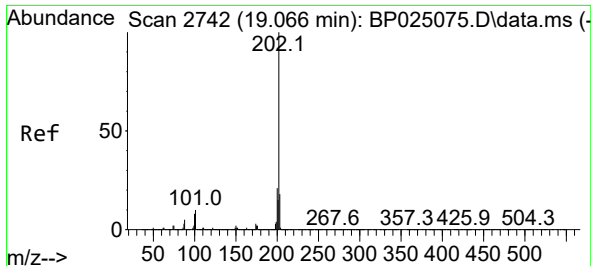
Ion Ratio Lower Upper

178 100

176 18.4 15.0 22.6

179 15.8 12.5 18.7

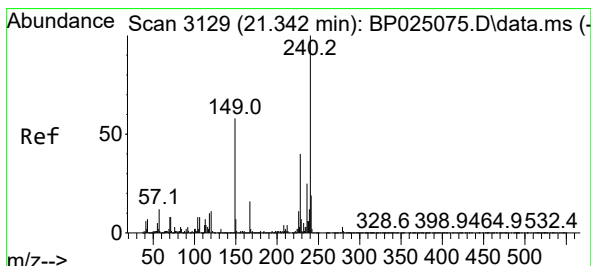
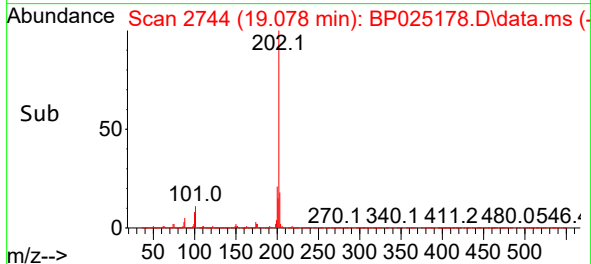
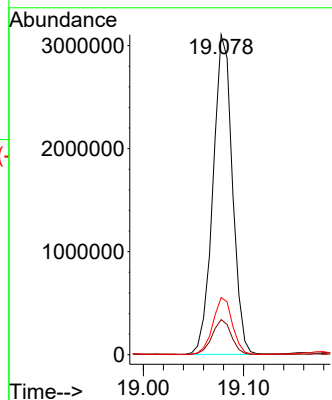
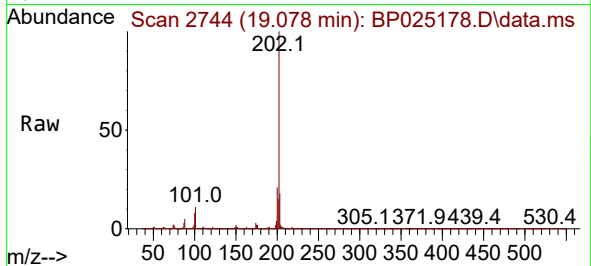




#75
Fluoranthene
Concen: 20.169 ng
RT: 19.078 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP025178.D
Acq: 17 Jul 2025 14:57

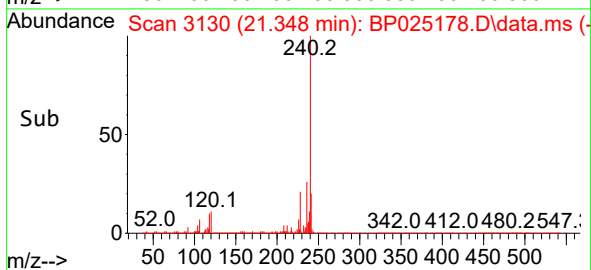
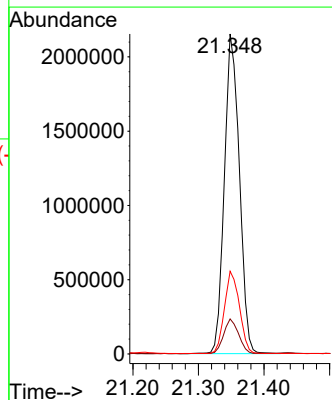
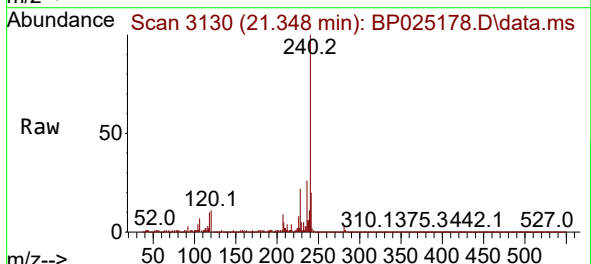
Instrument :
BNA_P
ClientSampleId :
OK-01-071425DL

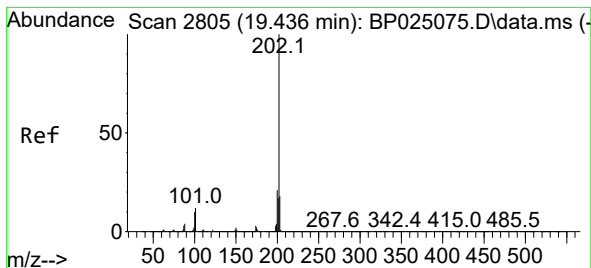
Tgt Ion:202 Resp: 4167838
Ion Ratio Lower Upper
202 100
101 10.9 0.0 30.4
203 17.8 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.348 min Scan# 3130
Delta R.T. 0.006 min
Lab File: BP025178.D
Acq: 17 Jul 2025 14:57

Tgt Ion:240 Resp: 3412173
Ion Ratio Lower Upper
240 100
120 10.9 9.0 13.4
236 25.8 20.3 30.5





#78

Pyrene

Concen: 21.911 ng

RT: 19.460 min Scan# 2809

Delta R.T. 0.024 min

Lab File: BP025178.D

Acq: 17 Jul 2025 14:57

Instrument :

BNA_P

ClientSampleId :

OK-01-071425DL

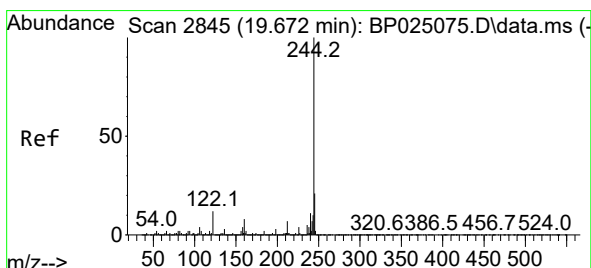
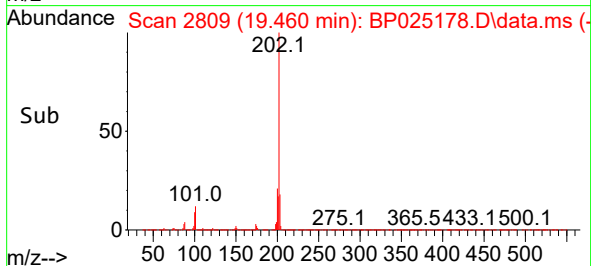
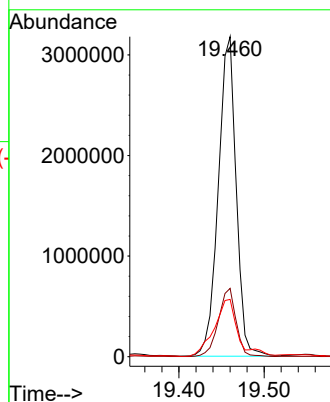
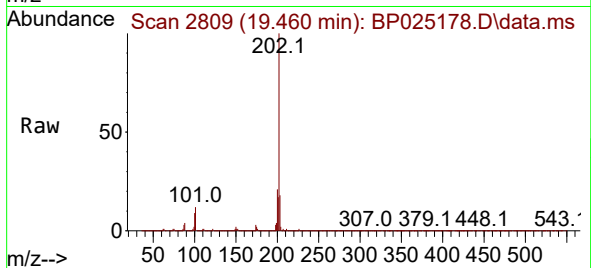
Tgt Ion:202 Resp: 4630756

Ion Ratio Lower Upper

202 100

200 21.4 17.1 25.7

203 17.9 14.1 21.1



#79

Terphenyl-d14

Concen: 6.985 ng

RT: 19.684 min Scan# 2847

Delta R.T. 0.012 min

Lab File: BP025178.D

Acq: 17 Jul 2025 14:57

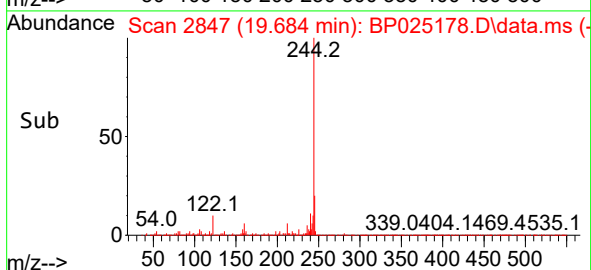
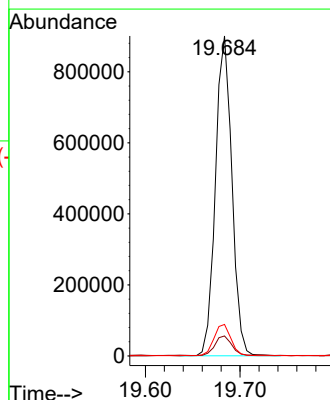
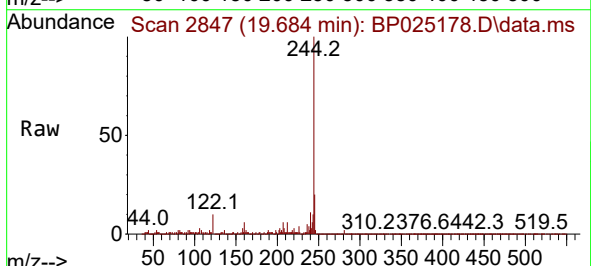
Tgt Ion:244 Resp: 1084422

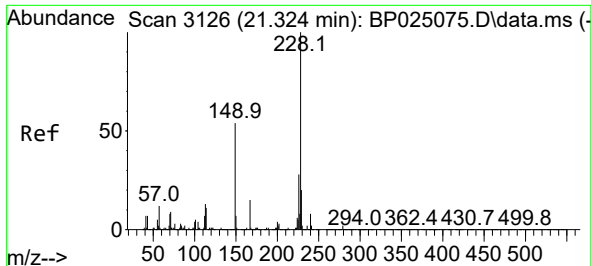
Ion Ratio Lower Upper

244 100

212 6.2 5.9 8.9

122 9.8 9.4 14.2

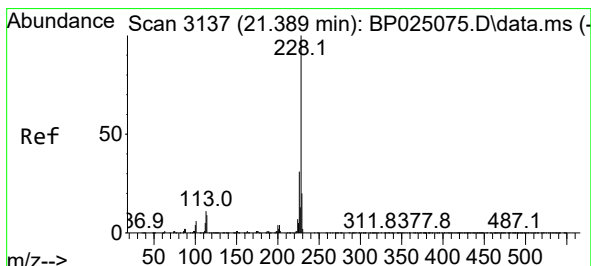
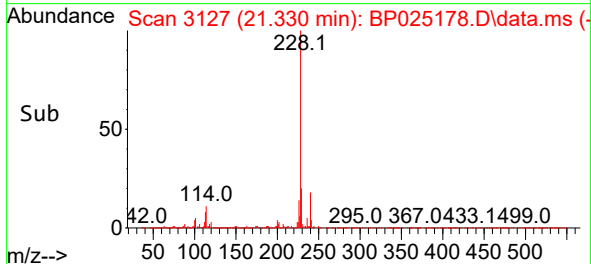
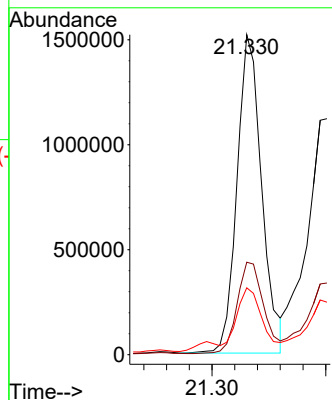
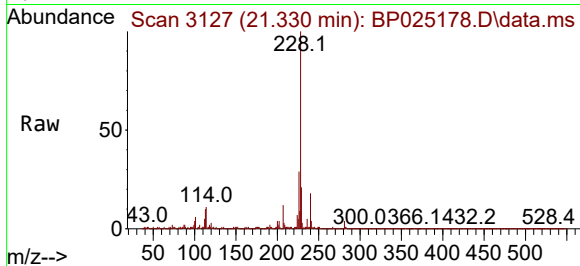




#81
Benzo(a)anthracene
Concen: 11.059 ng
RT: 21.330 min Scan# 3126
Delta R.T. 0.006 min
Lab File: BP025178.D
Acq: 17 Jul 2025 14:57

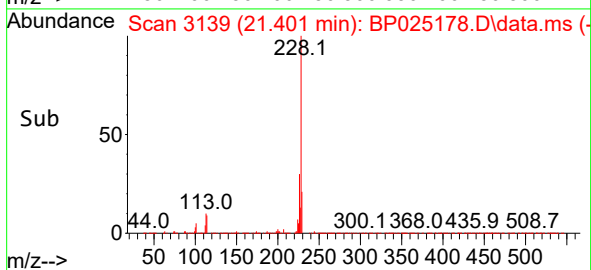
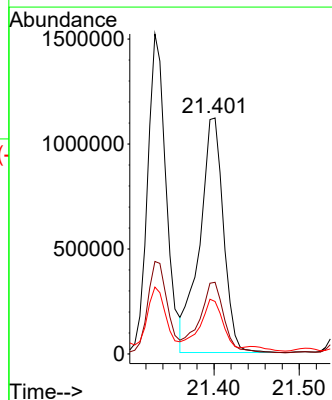
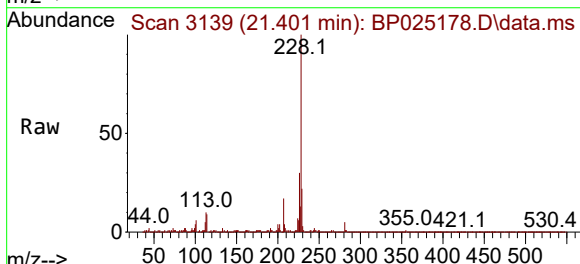
Instrument :
BNA_P
ClientSampleId :
OK-01-071425DL

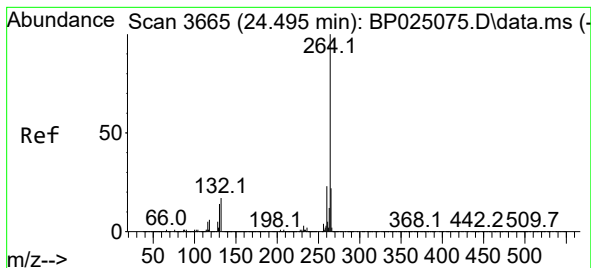
Tgt Ion:228 Resp: 2286723
Ion Ratio Lower Upper
228 100
226 28.9 22.1 33.1
229 20.9 16.0 24.0



#83
Chrysene
Concen: 10.905 ng
RT: 21.401 min Scan# 3139
Delta R.T. 0.012 min
Lab File: BP025178.D
Acq: 17 Jul 2025 14:57

Tgt Ion:228 Resp: 2170071
Ion Ratio Lower Upper
228 100
226 30.4 24.4 36.6
229 22.2 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.489 min Scan# 3

Delta R.T. -0.006 min

Lab File: BP025178.D

Acq: 17 Jul 2025 14:57

Instrument :

BNA_P

ClientSampleId :

OK-01-071425DL

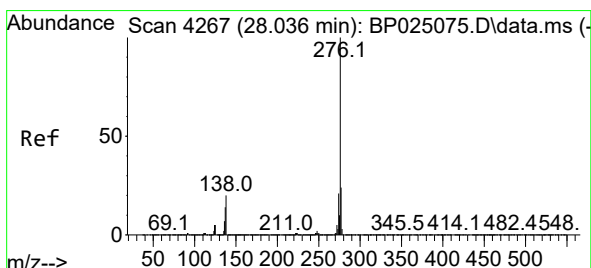
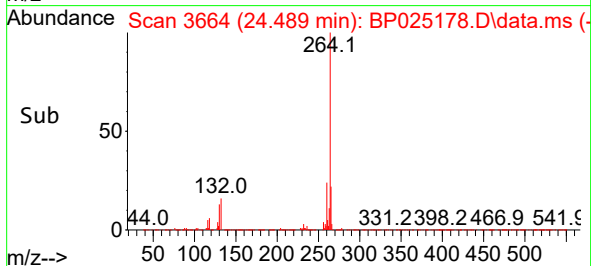
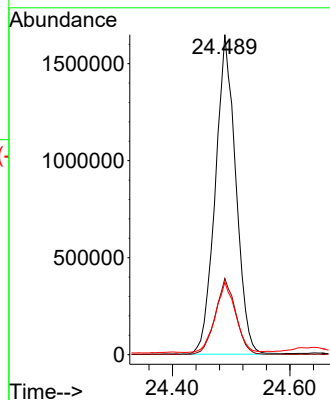
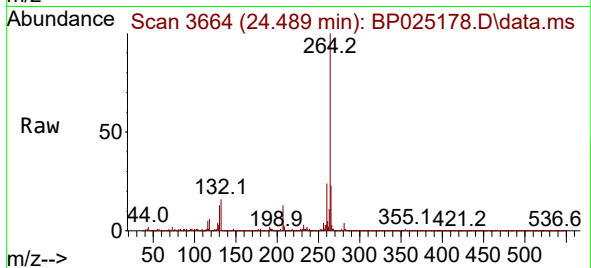
Tgt Ion:264 Resp: 3972927

Ion Ratio Lower Upper

264 100

260 23.8 18.6 28.0

265 22.6 17.7 26.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.618 ng

RT: 28.036 min Scan# 4267

Delta R.T. 0.000 min

Lab File: BP025178.D

Acq: 17 Jul 2025 14:57

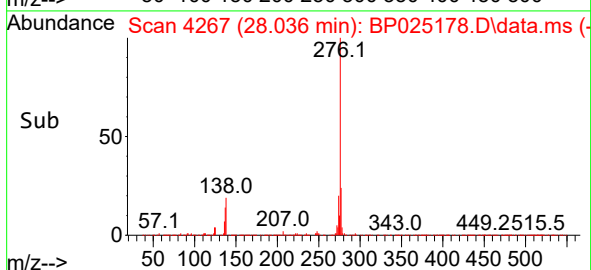
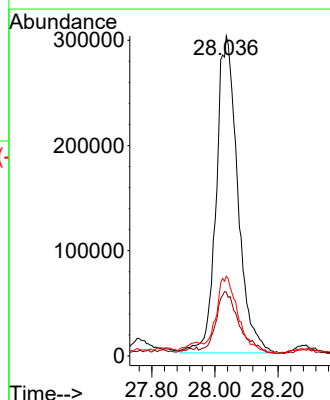
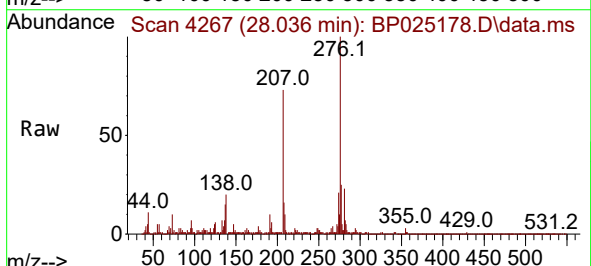
Tgt Ion:276 Resp: 1421952

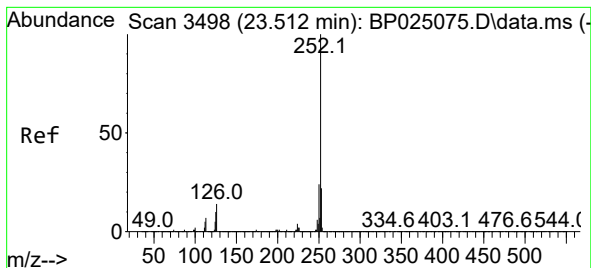
Ion Ratio Lower Upper

276 100

138 21.2 13.0 19.6#

277 24.9 15.9 23.9#





#88

Benzo(b)fluoranthene

Concen: 10.882 ng

RT: 23.519 min Scan# 34

Delta R.T. 0.006 min

Lab File: BP025178.D

Acq: 17 Jul 2025 14:57

Instrument :

BNA_P

ClientSampleId :

OK-01-071425DL

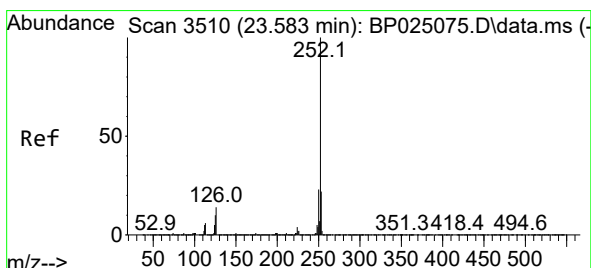
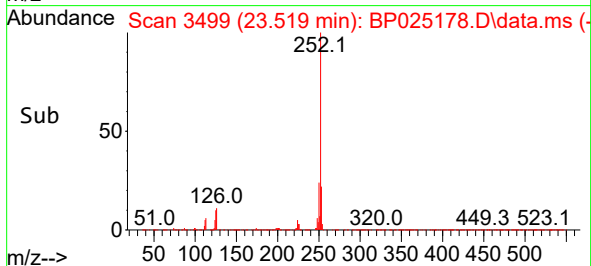
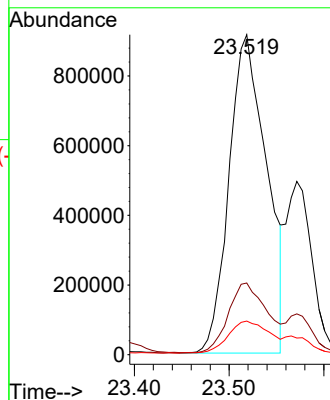
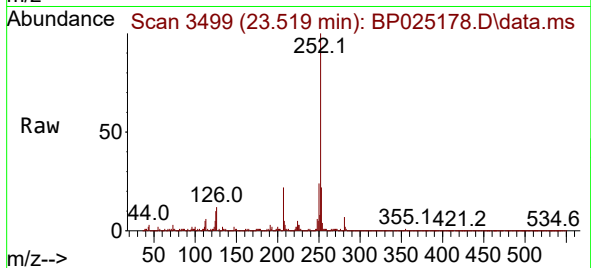
Tgt Ion:252 Resp: 2516358

Ion Ratio Lower Upper

252 100

253 22.4 17.7 26.5

125 10.5 8.1 12.1



#89

Benzo(k)fluoranthene

Concen: 3.401 ng

RT: 23.572 min Scan# 3508

Delta R.T. -0.012 min

Lab File: BP025178.D

Acq: 17 Jul 2025 14:57

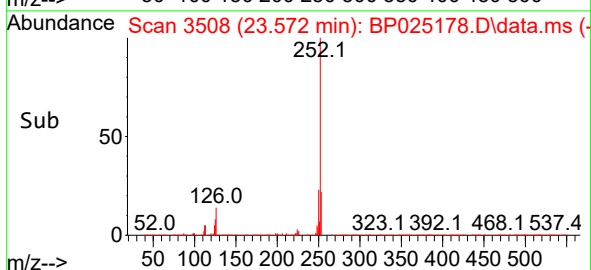
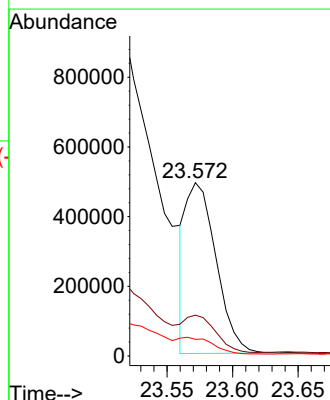
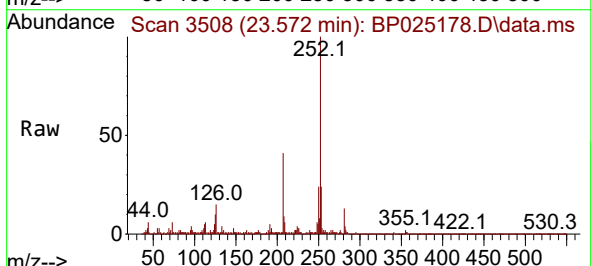
Tgt Ion:252 Resp: 782471

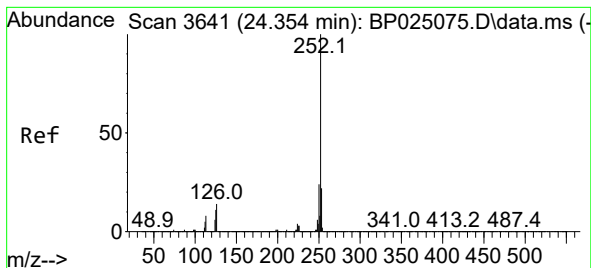
Ion Ratio Lower Upper

252 100

253 23.6 17.7 26.5

125 9.6 8.2 12.2





#90

Benzo(a)pyrene

Concen: 10.815 ng

RT: 24.348 min Scan# 3

Delta R.T. -0.006 min

Lab File: BP025178.D

Acq: 17 Jul 2025 14:57

Instrument :

BNA_P

ClientSampleId :

OK-01-071425DL

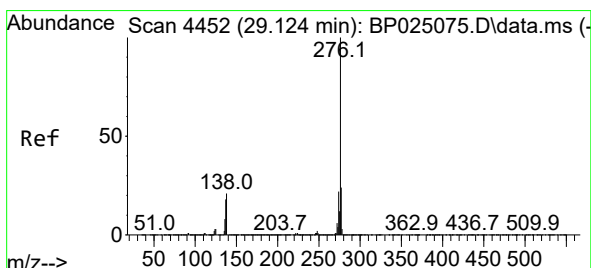
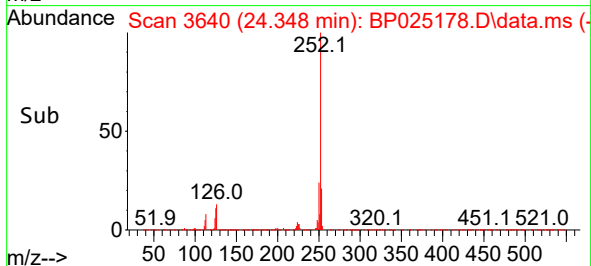
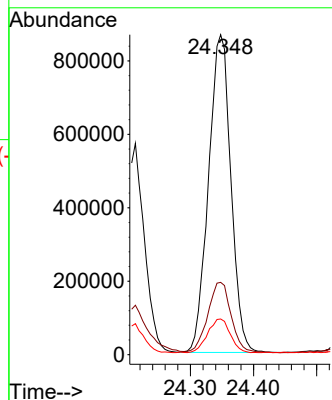
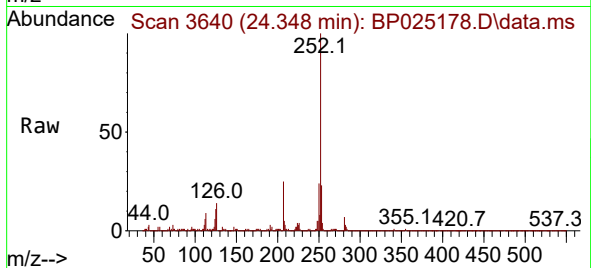
Tgt Ion:252 Resp: 2128452

Ion Ratio Lower Upper

252 100

253 22.6 17.6 26.4

125 11.2 9.0 13.4



#92

Benzo(g,h,i)perylene

Concen: 6.228 ng

RT: 29.112 min Scan# 4450

Delta R.T. -0.012 min

Lab File: BP025178.D

Acq: 17 Jul 2025 14:57

Tgt Ion:276 Resp: 1346053

Ion Ratio Lower Upper

276 100

277 24.7 19.3 28.9

138 22.0 16.9 25.3

