

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)

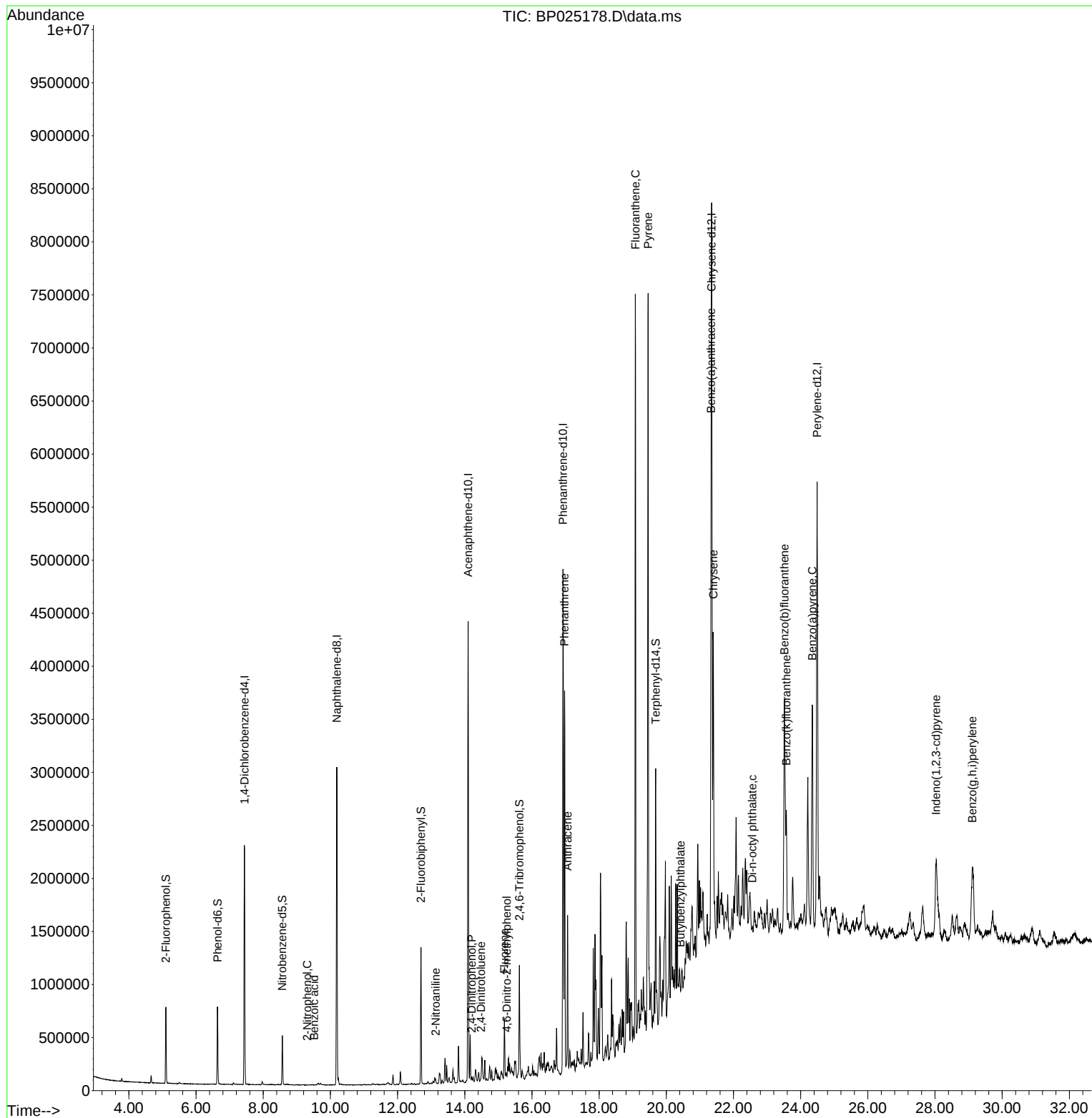
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.443	152	649263	20.000	ng	0.00
21) Naphthalene-d8	10.190	136	2609738	20.000	ng	0.00
39) Acenaphthene-d10	14.101	164	1662035	20.000	ng	0.01
64) Phenanthrene-d10	16.925	188	3308562	20.000	ng	0.02
76) Chrysene-d12	21.348	240	3412173	20.000	ng	0.00
86) 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
26) 2-Nitrophenol	9.313	139	125	3.308	ng	# 1
32) Benzoic acid	9.513	122	212	6.210	ng	# 71
48) 2-Nitroaniline	13.137	65	735	2.796	ng	# 28
54) 2,4-Dinitrophenol	14.207	184	107	5.394	ng	# 1
57) 2,4-Dinitrotoluene	14.484	165	1271	2.673	ng	# 68
58) Fluorene	15.178	166	243327	2.126	ng	99
65) 4,6-Dinitro-2-methylph...	15.254	198	206	5.591	ng	# 1
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
80) Butylbenzylphthalate	20.425	149	267	3.685	ng	# 6
81) Benzo(a)anthracene	21.330	228	2286723	11.059	ng	98
83) Chrysene	21.401	228	2170071	10.905	ng	98
85) Di-n-octyl phthalate	22.560	149	2499	6.109	ng	# 26
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

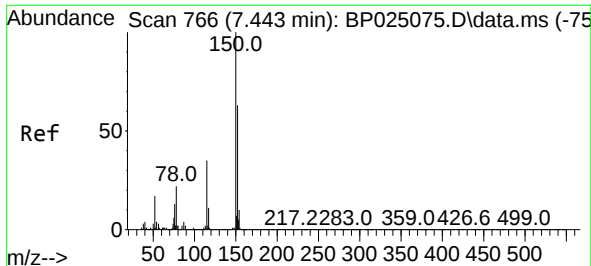
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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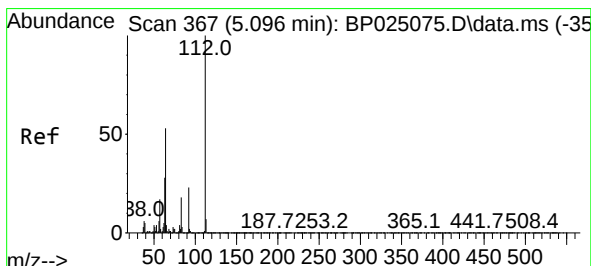
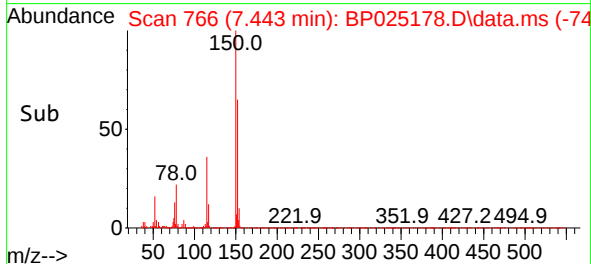
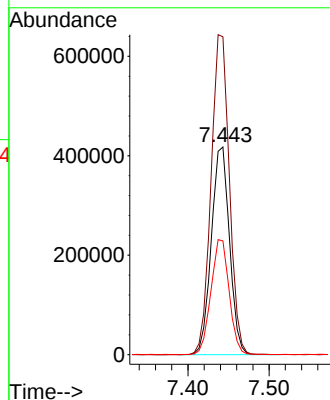
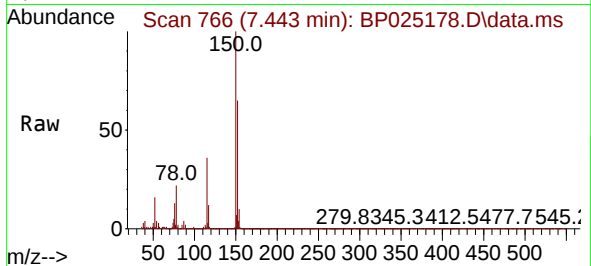




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.443 min Scan# 766
Delta R.T. -0.000 min
Lab File: BP025178.D
Acq: 17 Jul 2025 14:57

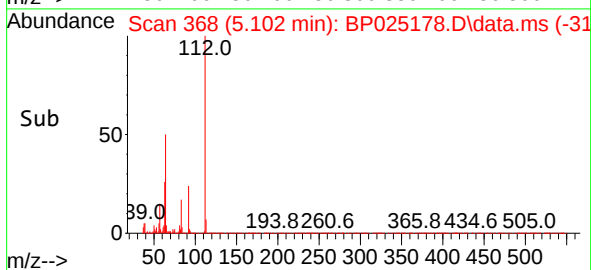
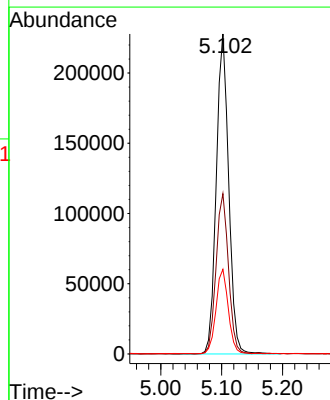
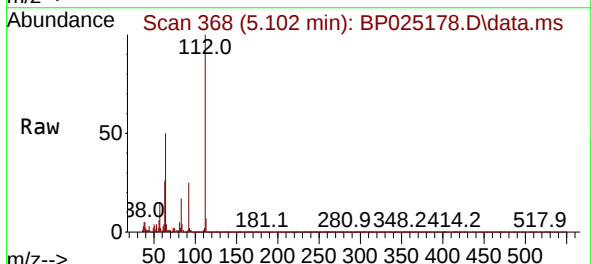
Instrument :
BNA_P
ClientSampleId :
OK-01-071425DL

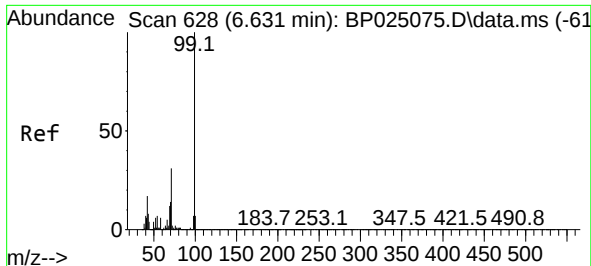
Tgt Ion:152 Resp: 649263
Ion Ratio Lower Upper
152 100
150 153.1 126.1 189.1
115 54.7 44.3 66.5



#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

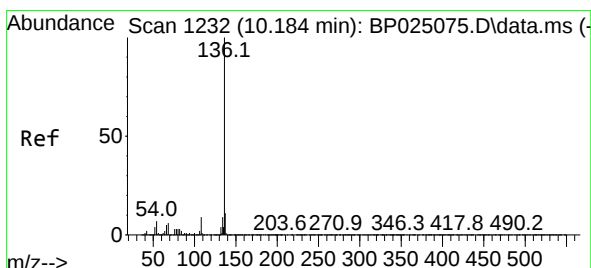
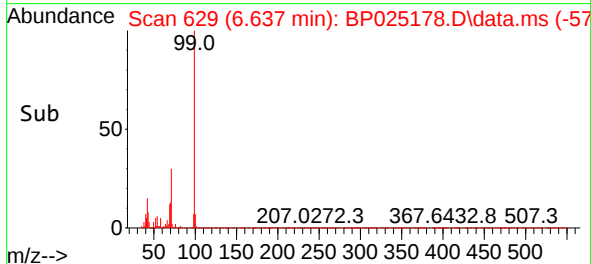
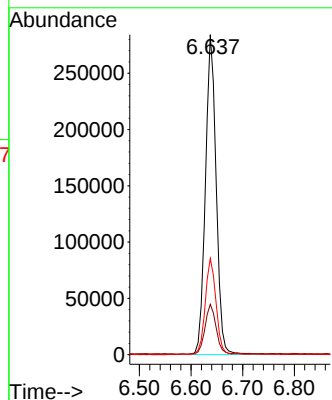
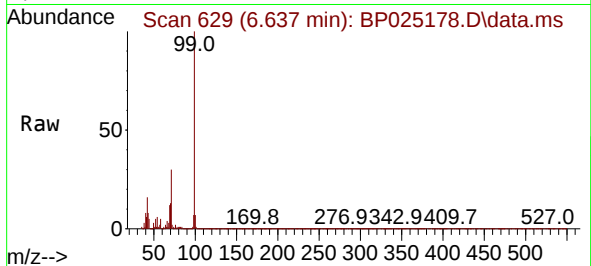




#7
Phenol-d6
Concen: 8.578 ng
RT: 6.637 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP025178.D
Acq: 17 Jul 2025 14:57

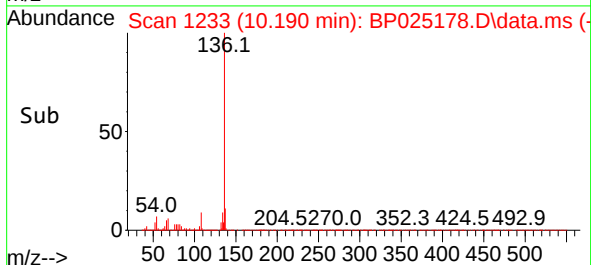
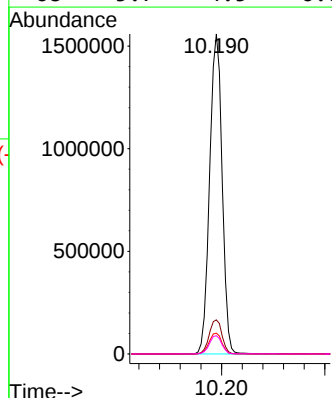
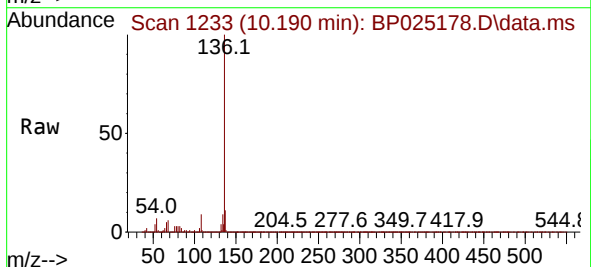
Instrument :
BNA_P
ClientSampleId :
OK-01-071425DL

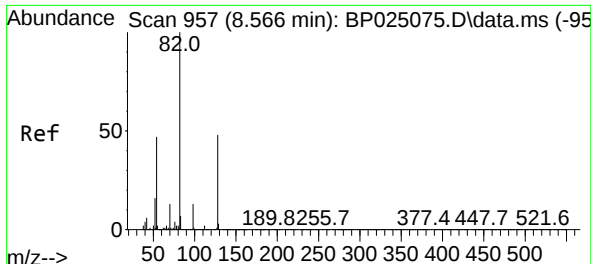
Tgt Ion: 99 Resp: 410174
Ion Ratio Lower Upper
99 100
42 15.7 13.6 20.4
71 30.0 24.4 36.6



#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

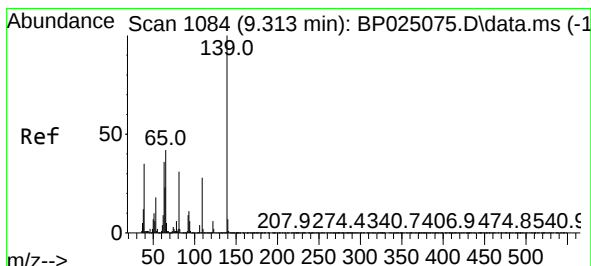
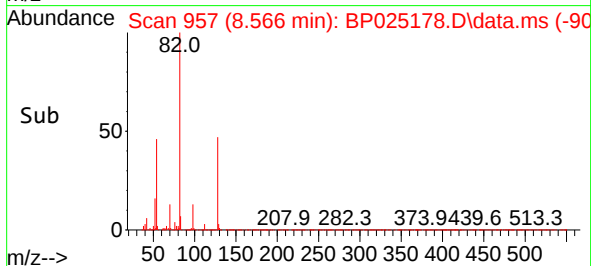
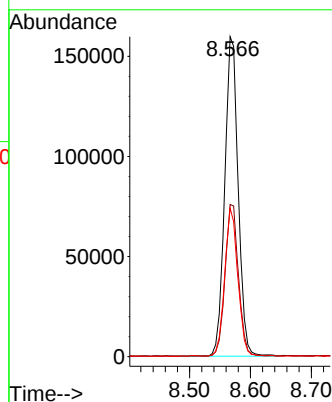
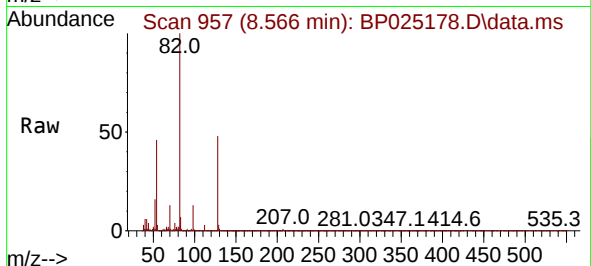




#23
Nitrobenzene-d5
Concen: 6.242 ng
RT: 8.566 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP025178.D
Acq: 17 Jul 2025 14:57

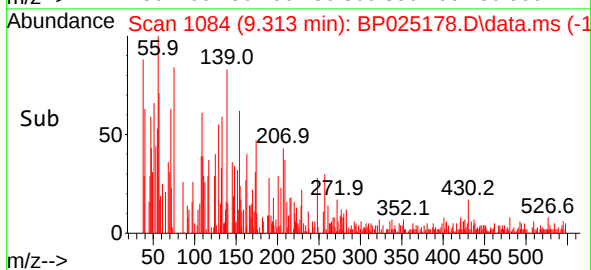
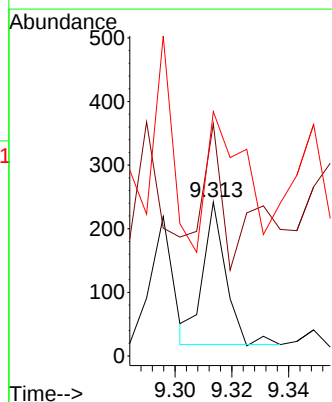
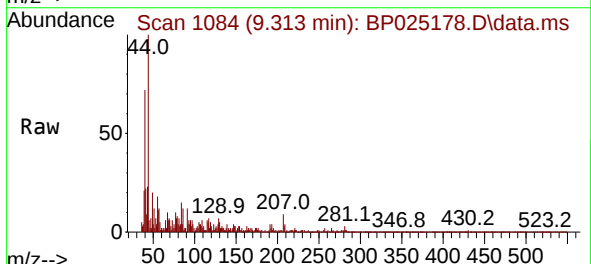
Instrument :
BNA_P
ClientSampleId :
OK-01-071425DL

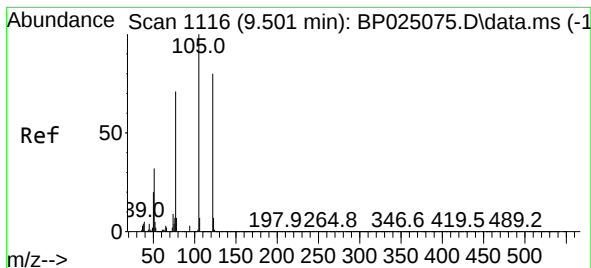
Tgt Ion: 82 Resp: 244930
Ion Ratio Lower Upper
82 100
128 47.5 38.4 57.6
54 46.4 37.8 56.6



#26
2-Nitrophenol
Concen: 3.308 ng
RT: 9.313 min Scan# 1084
Delta R.T. 0.000 min
Lab File: BP025178.D
Acq: 17 Jul 2025 14:57

Tgt Ion: 139 Resp: 125
Ion Ratio Lower Upper
139 100
109 150.8 22.3 33.5#
65 158.7 33.8 50.8#





#32

Benzoic acid

Concen: 6.210 ng

RT: 9.513 min Scan# 1116

Delta R.T. 0.012 min

Lab File: BP025178.D

Acq: 17 Jul 2025 14:57

Instrument :

BNA_P

ClientSampleId :

OK-01-071425DL

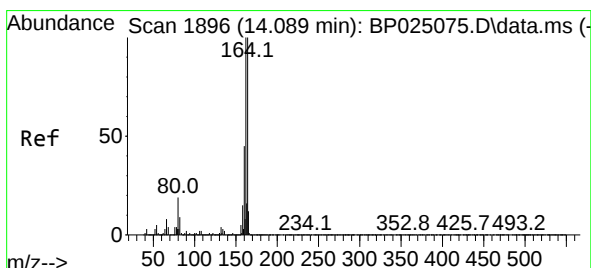
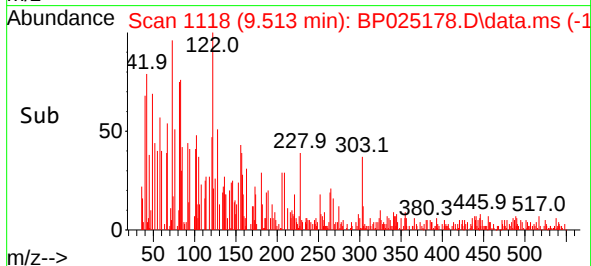
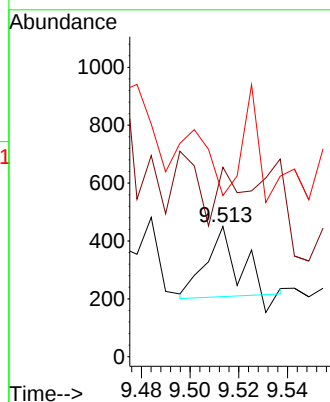
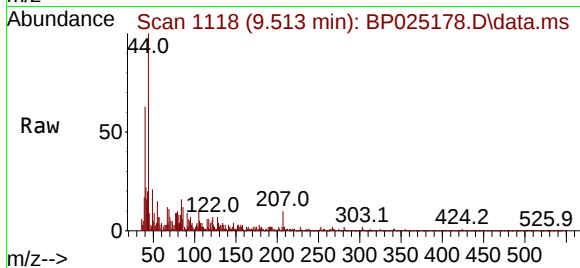
Tgt Ion:122 Resp: 212

Ion Ratio Lower Upper

122 100

105 145.6 101.0 141.0#

77 123.8 67.6 107.6#



#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

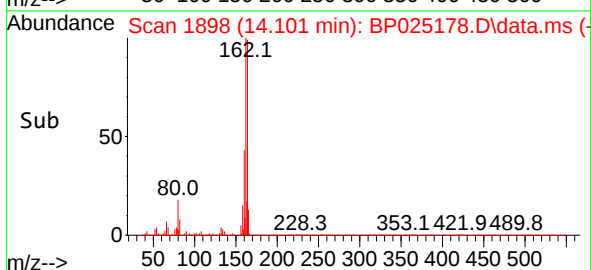
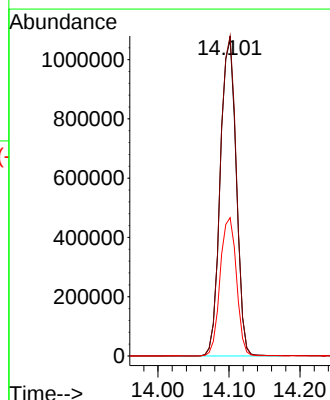
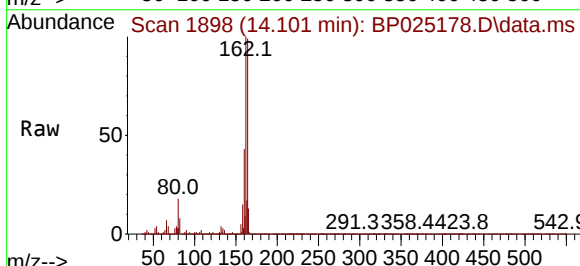
Tgt Ion:164 Resp: 1662035

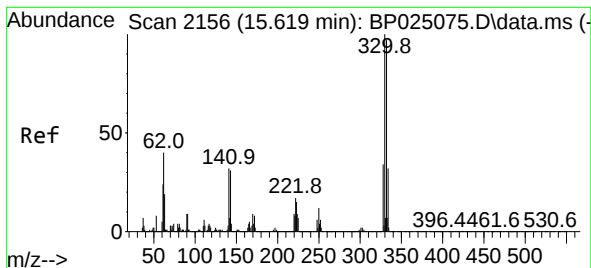
Ion Ratio Lower Upper

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# 2156

Delta R.T. 0.006 min

Lab File: BP025178.D

Acq: 17 Jul 2025 14:57

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BNA_P

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OK-01-071425DL

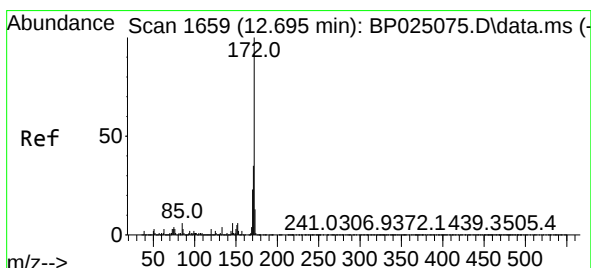
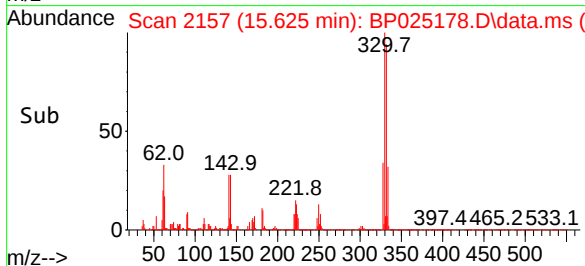
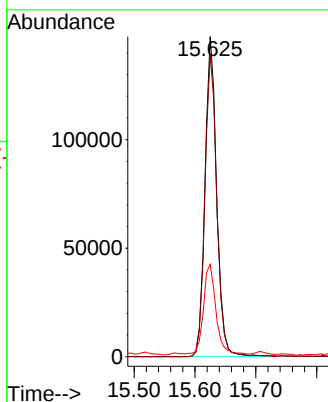
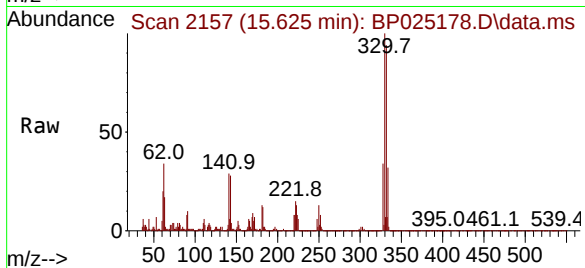
Tgt Ion:330 Resp: 196935

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

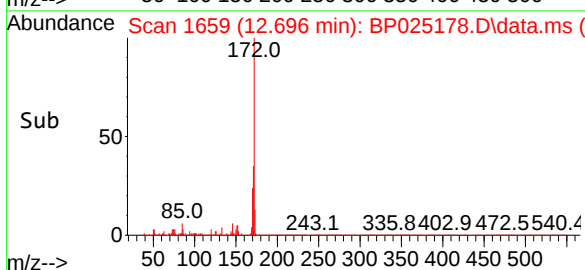
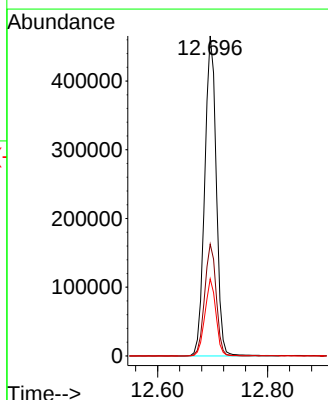
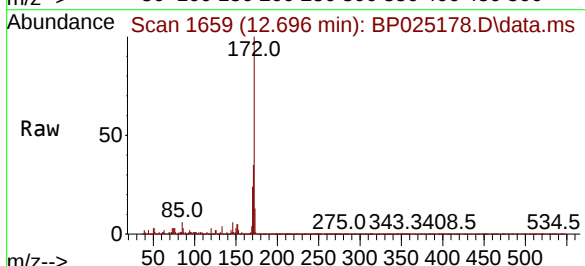
Tgt Ion:172 Resp: 678922

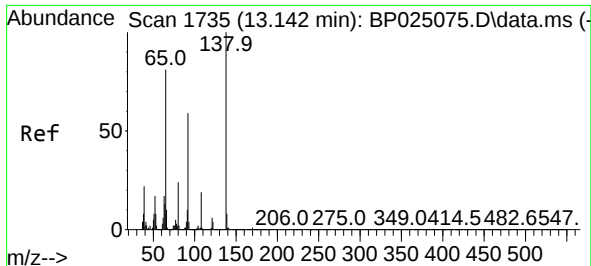
Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.2

170 24.1 18.7 28.1

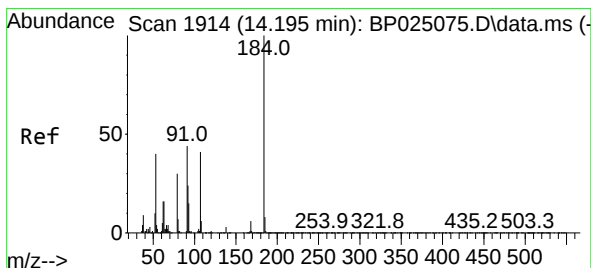
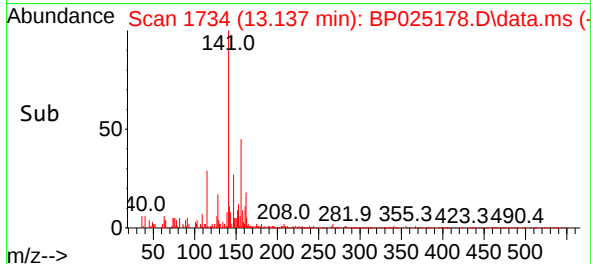
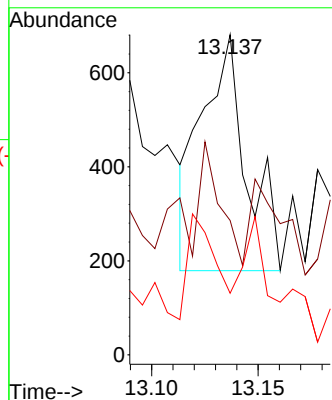
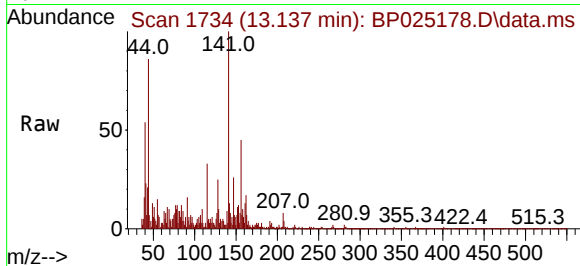




#48
2-Nitroaniline
Concen: 2.796 ng
RT: 13.137 min Scan# 1735
Delta R.T. -0.005 min
Lab File: BP025178.D
Acq: 17 Jul 2025 14:57

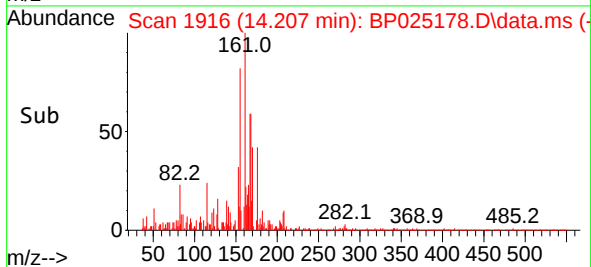
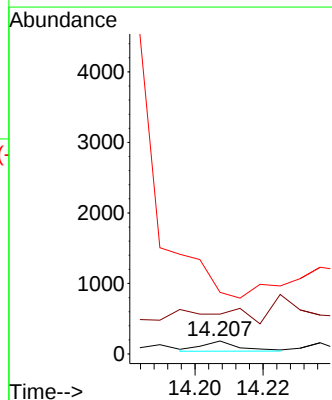
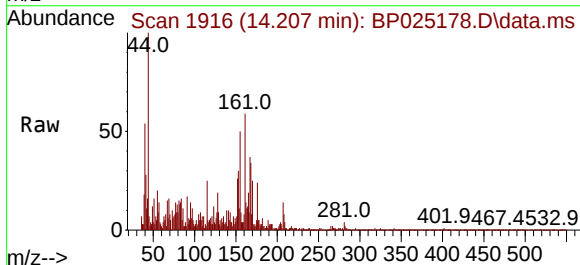
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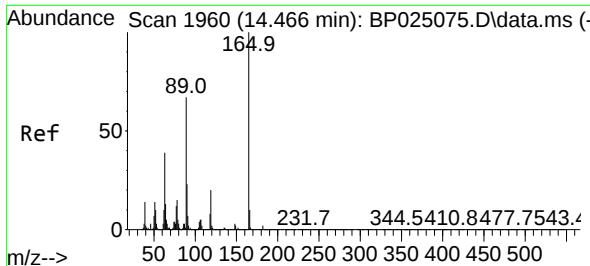
Tgt Ion: 65 Resp: 735
Ion Ratio Lower Upper
65 100
92 42.0 58.7 88.1#
138 19.2 99.0 148.4#



#54
2,4-Dinitrophenol
Concen: 5.394 ng
RT: 14.207 min Scan# 1916
Delta R.T. 0.012 min
Lab File: BP025178.D
Acq: 17 Jul 2025 14:57

Tgt Ion:184 Resp: 107
Ion Ratio Lower Upper
184 100
63 307.1 47.4 71.0#
154 474.5 47.8 71.8#

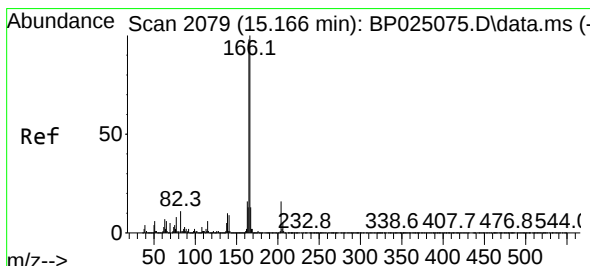
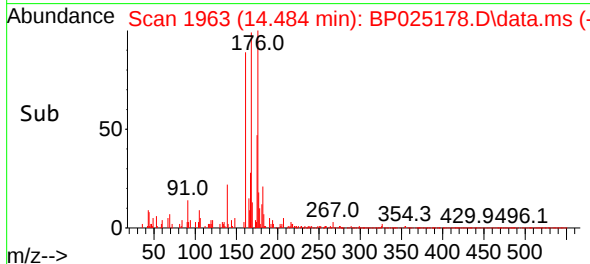
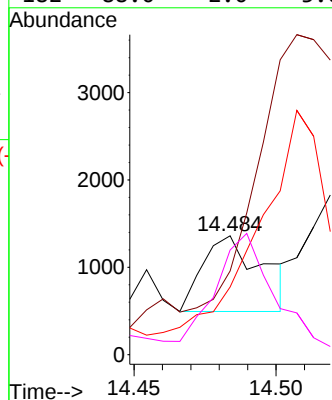
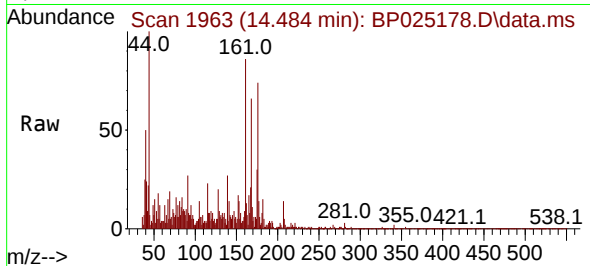




#57
2,4-Dinitrotoluene
Concen: 2.673 ng
RT: 14.484 min Scan# 1963
Delta R.T. 0.018 min
Lab File: BP025178.D
Acq: 17 Jul 2025 14:57

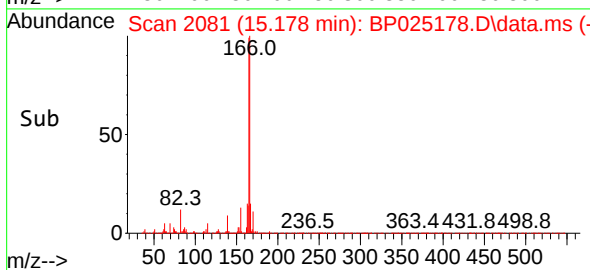
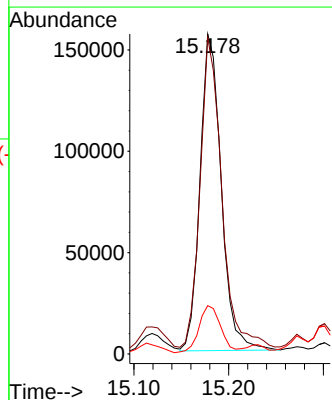
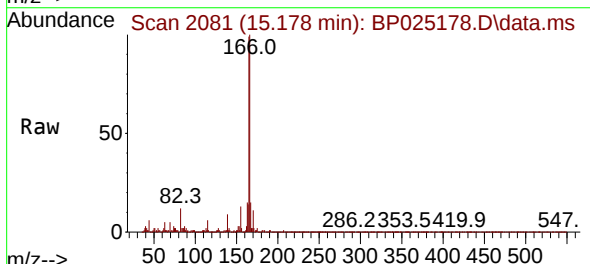
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ClientSampleId :
OK-01-071425DL

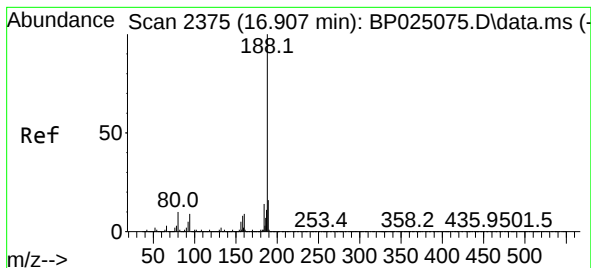
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Ion Ratio Lower Upper
165 100
63 70.4 31.0 46.4#
89 57.0 53.4 80.0
182 88.0 2.0 3.0#



#58
Fluorene
Concen: 2.126 ng
RT: 15.178 min Scan# 2081
Delta R.T. 0.012 min
Lab File: BP025178.D
Acq: 17 Jul 2025 14:57

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# 21

Delta R.T. 0.018 min

Lab File: BP025178.D

Acq: 17 Jul 2025 14:57

Instrument :

BNA_P

ClientSampleId :

OK-01-071425DL

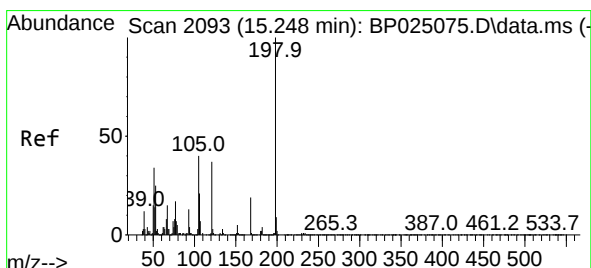
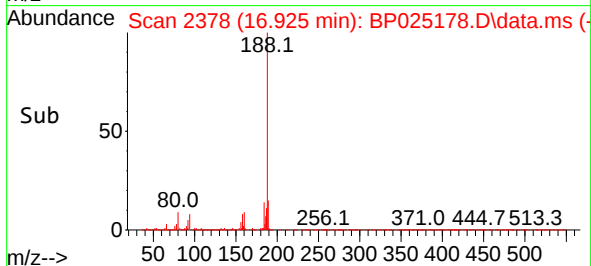
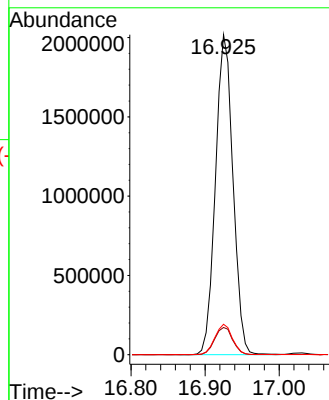
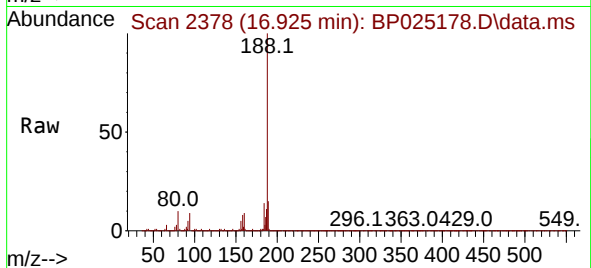
Tgt Ion:188 Resp: 3308562

Ion Ratio Lower Upper

188 100

94 8.5 7.3 10.9

80 9.5 7.8 11.6



#65

4,6-Dinitro-2-methylphenol

Concen: 5.591 ng

RT: 15.254 min Scan# 2094

Delta R.T. 0.006 min

Lab File: BP025178.D

Acq: 17 Jul 2025 14:57

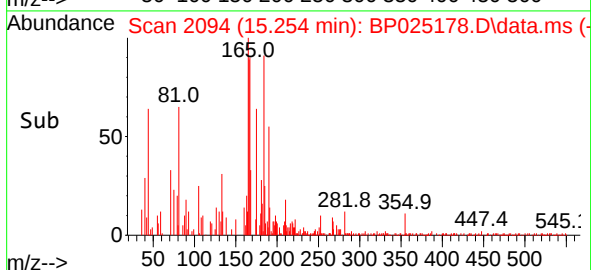
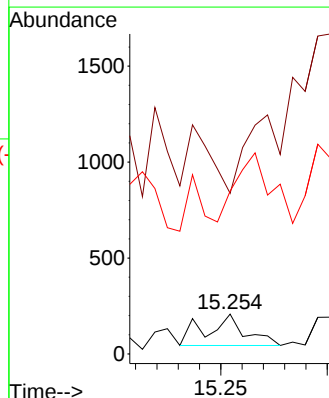
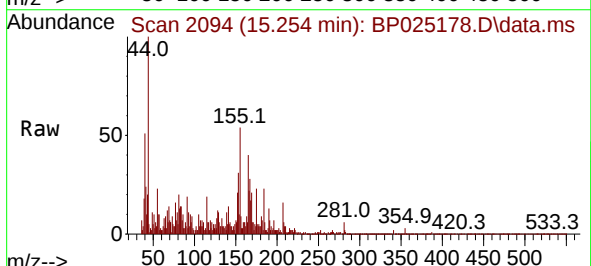
Tgt Ion:198 Resp: 206

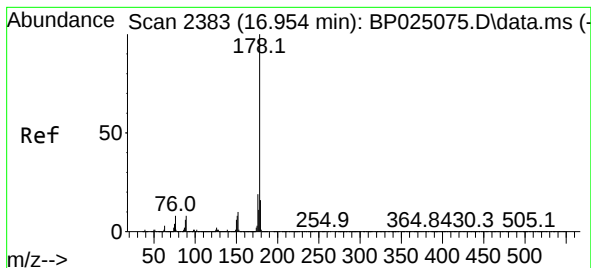
Ion Ratio Lower Upper

198 100

51 402.4 16.8 56.8#

105 408.2 20.8 60.8#





#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

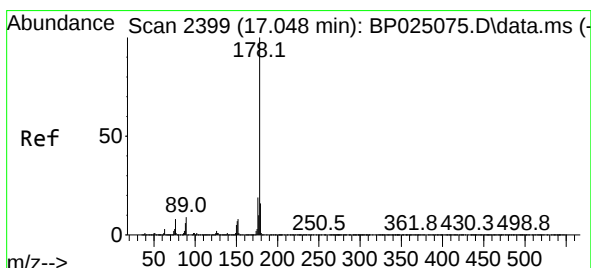
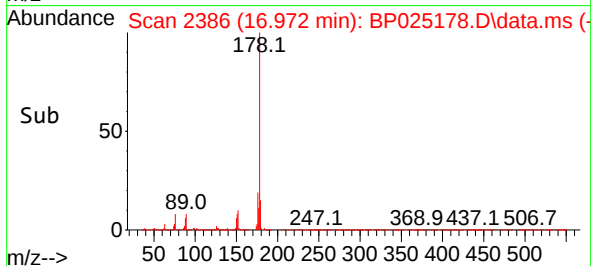
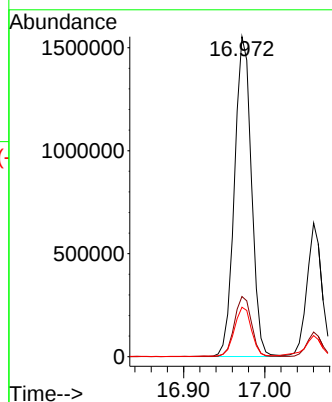
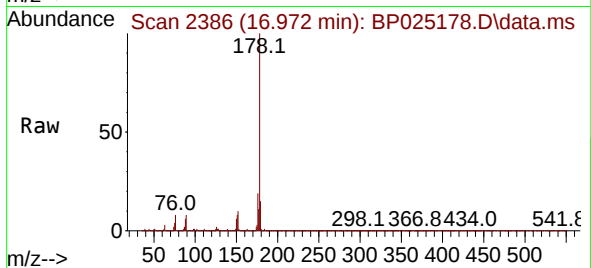
Tgt Ion:178 Resp: 2241068

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

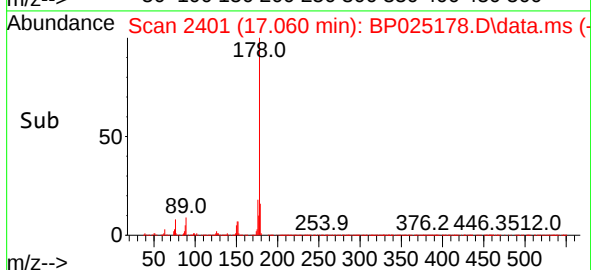
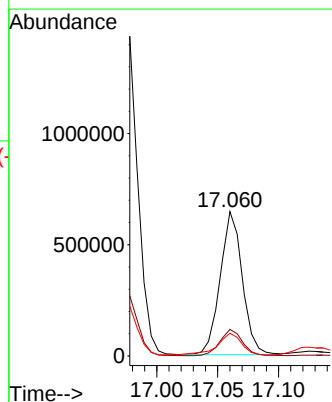
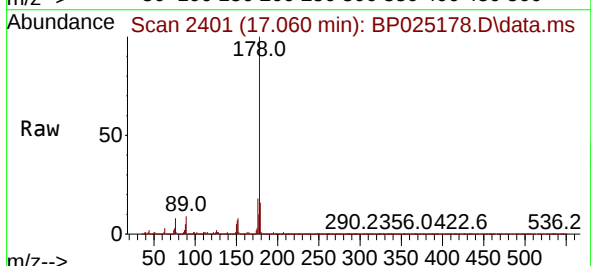
Tgt Ion:178 Resp: 816125

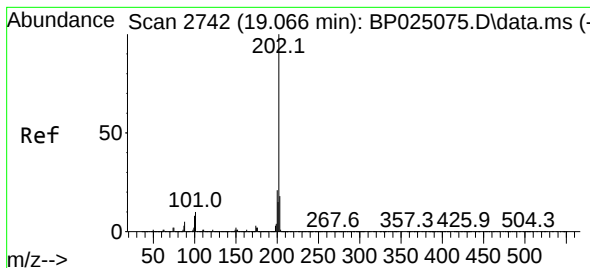
Ion Ratio Lower Upper

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

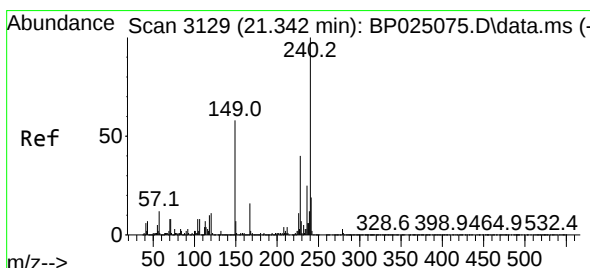
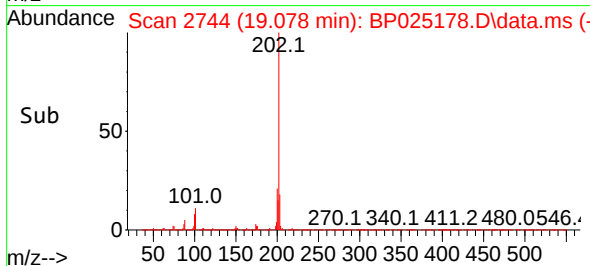
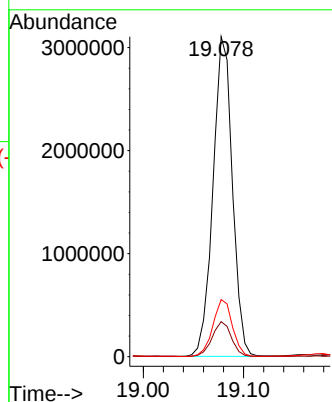
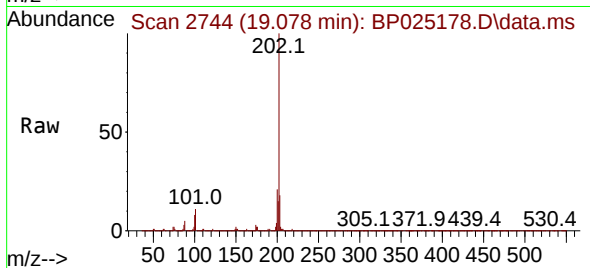
Tgt Ion:202 Resp: 4167838

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

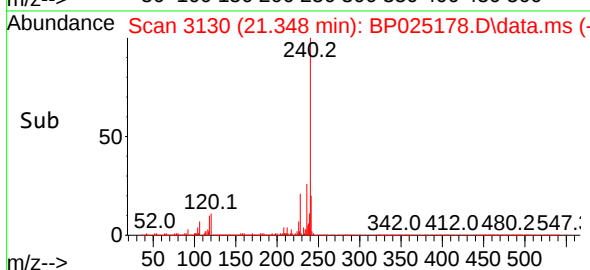
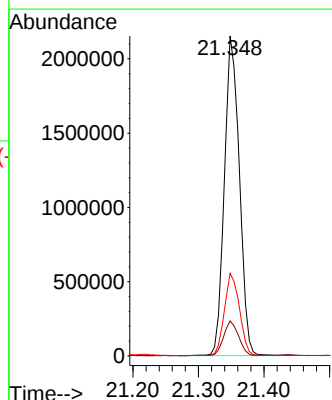
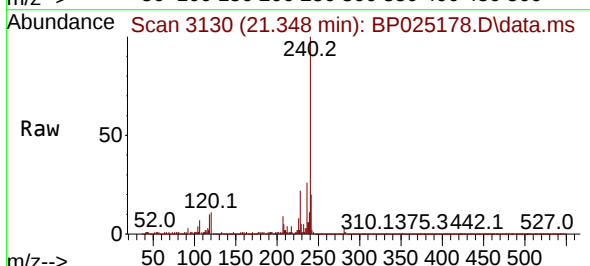
Tgt Ion:240 Resp: 3412173

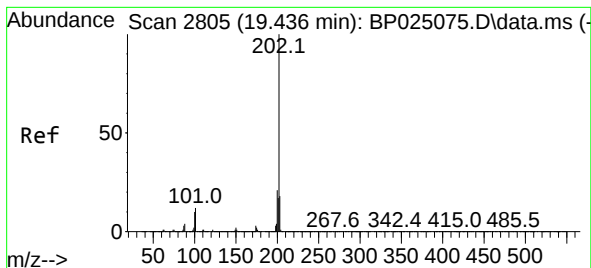
Ion Ratio Lower Upper

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

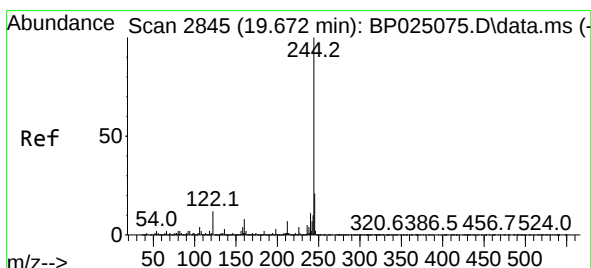
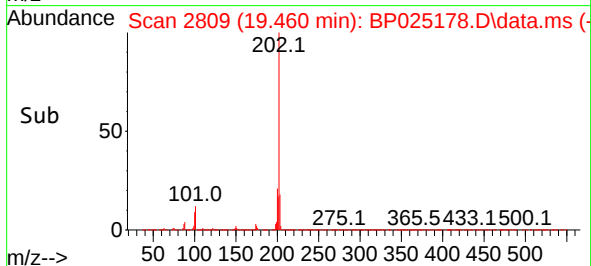
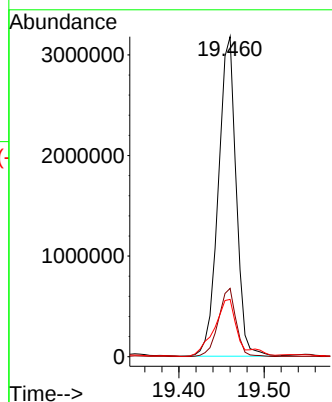
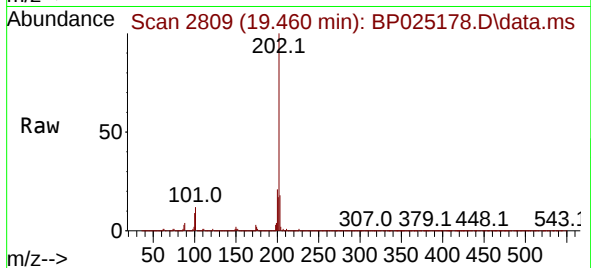
Tgt Ion:202 Resp: 4630756

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

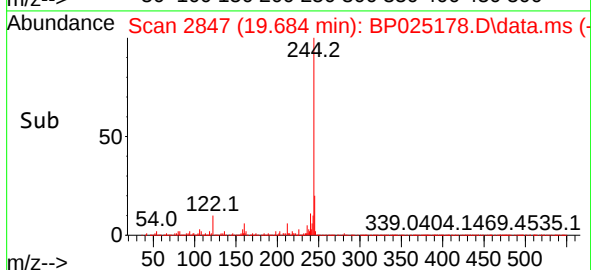
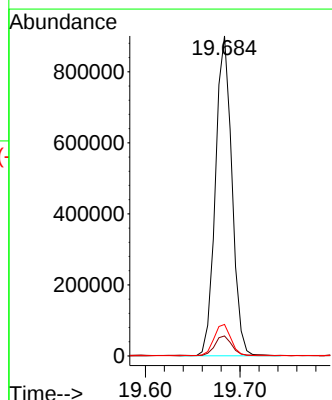
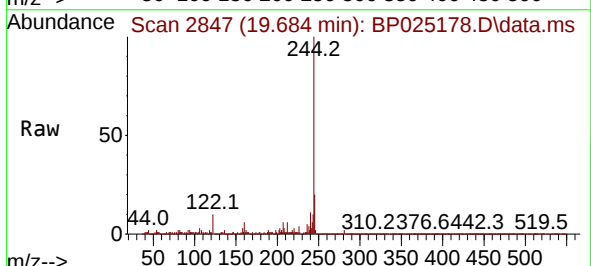
Tgt Ion:244 Resp: 1084422

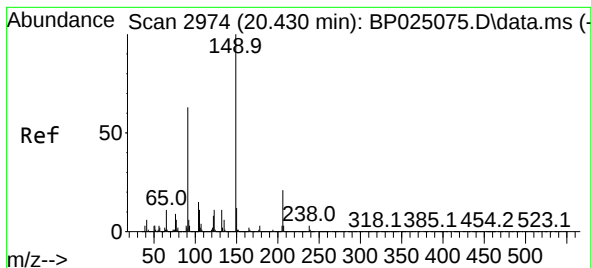
Ion Ratio Lower Upper

244 100

212 6.2 5.9 8.9

122 9.8 9.4 14.2





#80

Butylbenzylphthalate

Concen: 3.685 ng

RT: 20.425 min Scan# 2974

Delta R.T. -0.005 min

Lab File: BP025178.D

Acq: 17 Jul 2025 14:57

Instrument :

BNA_P

ClientSampleId :

OK-01-071425DL

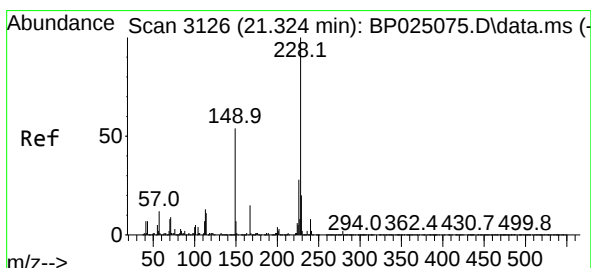
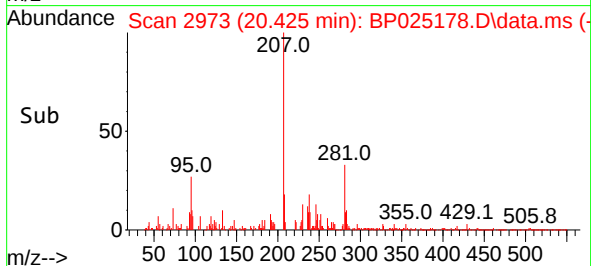
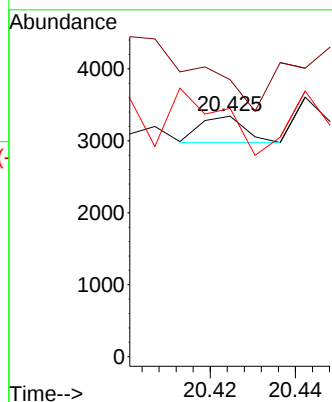
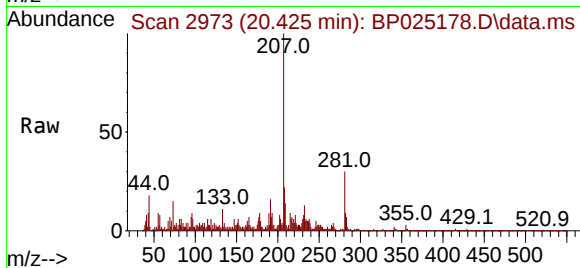
Tgt Ion:149 Resp: 267

Ion Ratio Lower Upper

149 100

91 115.2 50.6 76.0#

206 103.2 17.2 25.8#



#81

Benzo(a)anthracene

Concen: 11.059 ng

RT: 21.330 min Scan# 3127

Delta R.T. 0.006 min

Lab File: BP025178.D

Acq: 17 Jul 2025 14:57

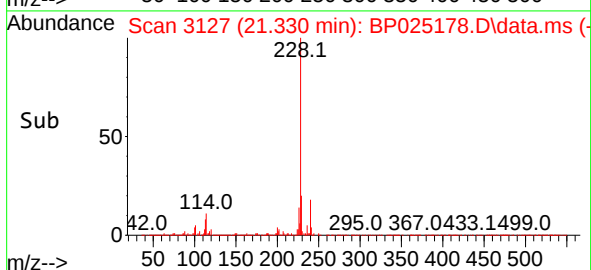
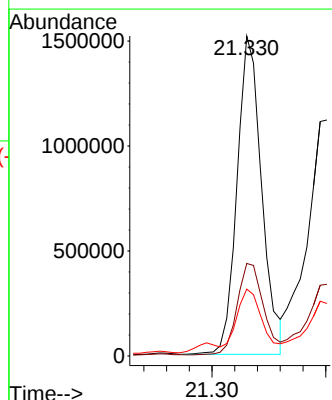
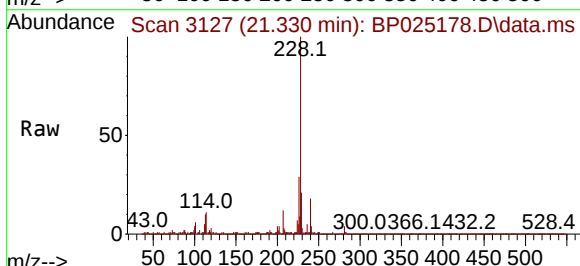
Tgt Ion:228 Resp: 2286723

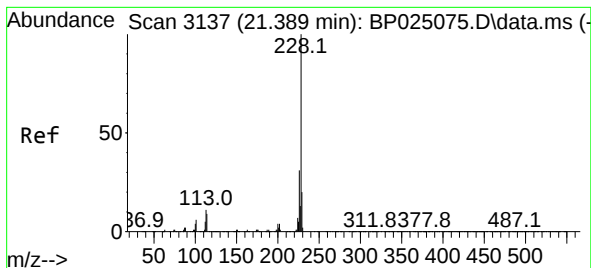
Ion Ratio Lower Upper

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

Instrument :

BNA_P

ClientSampleId :

OK-01-071425DL

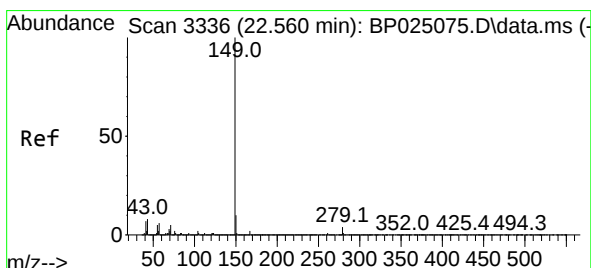
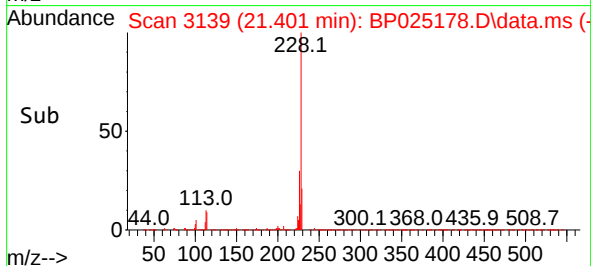
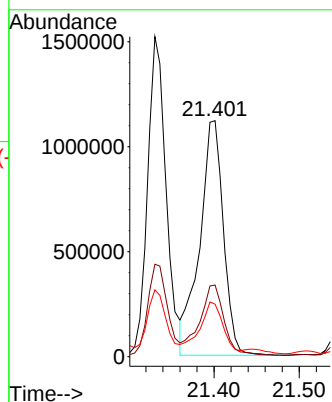
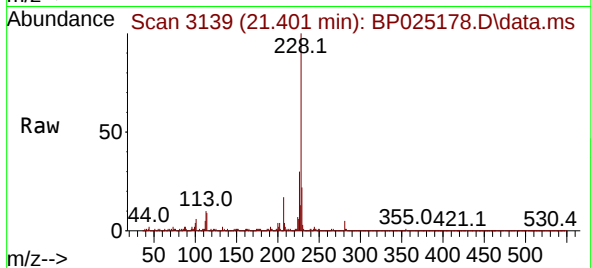
Tgt Ion:228 Resp: 2170071

Ion Ratio Lower Upper

228 100

226 30.4 24.4 36.6

229 22.2 16.0 24.0



#85

Di-n-octyl phthalate

Concen: 6.109 ng

RT: 22.560 min Scan# 3336

Delta R.T. -0.000 min

Lab File: BP025178.D

Acq: 17 Jul 2025 14:57

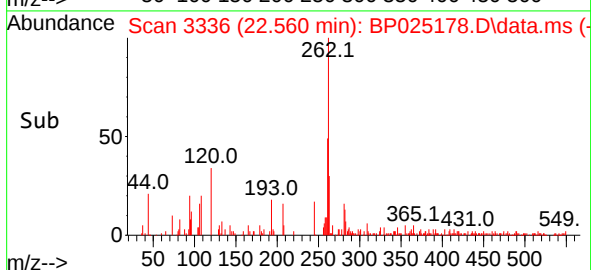
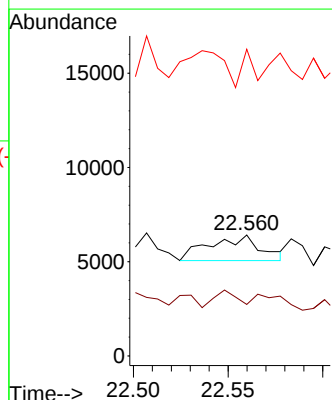
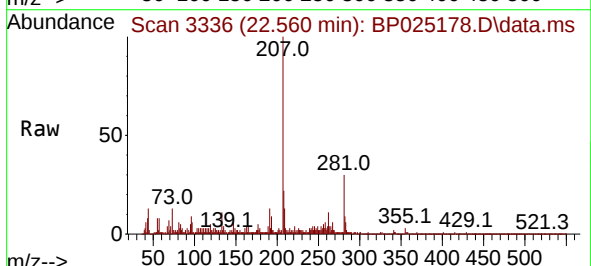
Tgt Ion:149 Resp: 2499

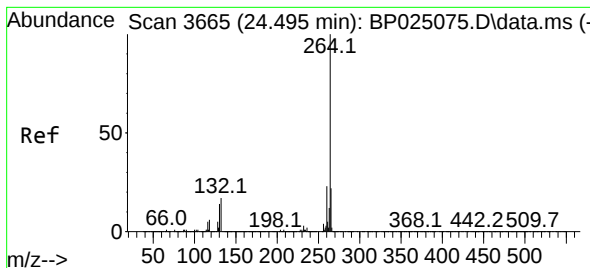
Ion Ratio Lower Upper

149 100

167 36.4 1.3 1.9#

43 33.9 6.9 10.3#





#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

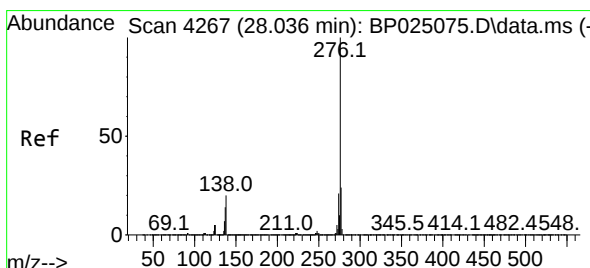
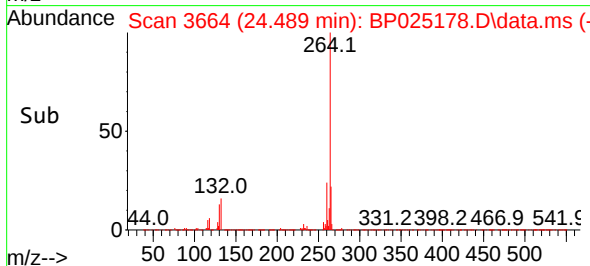
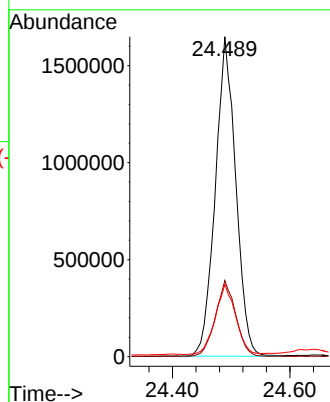
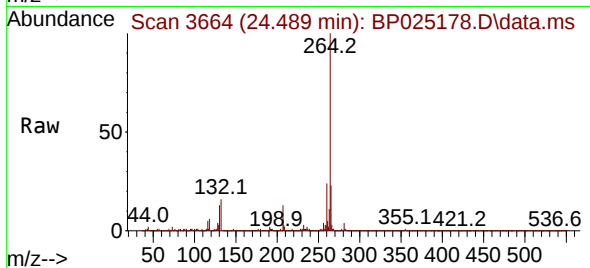
Tgt Ion:264 Resp: 3972927

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

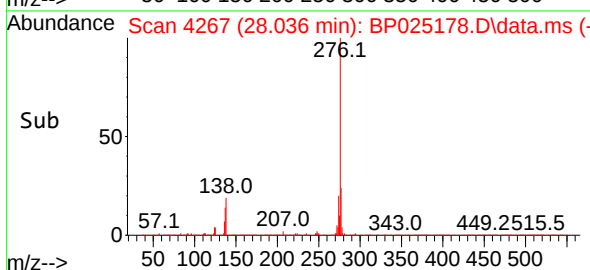
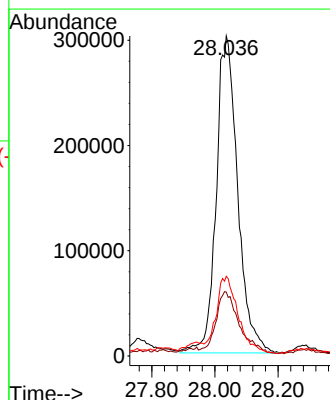
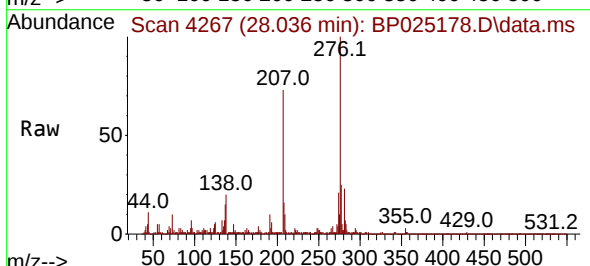
Tgt Ion:276 Resp: 1421952

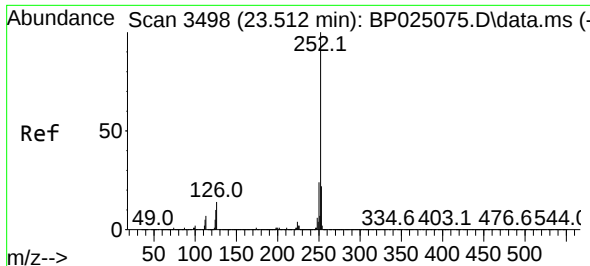
Ion Ratio Lower Upper

276 100

138 21.2 13.0 19.6#

277 24.9 15.9 23.9#

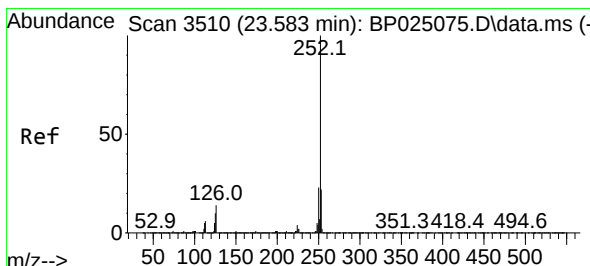
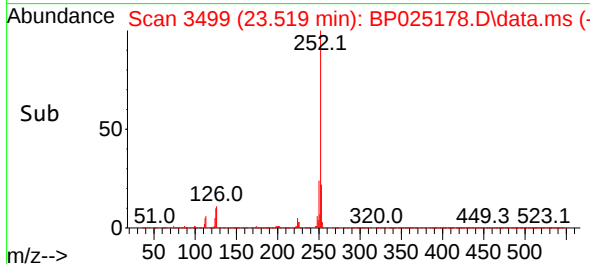
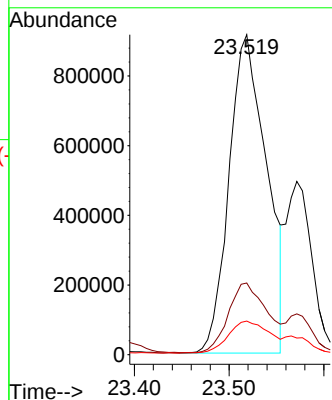
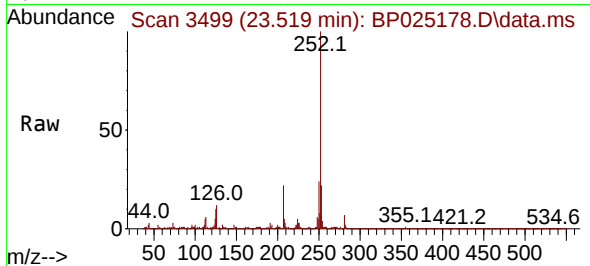




#88
Benzo(b)fluoranthene
Concen: 10.882 ng
RT: 23.519 min Scan# 3498
Delta R.T. 0.006 min
Lab File: BP025178.D
Acq: 17 Jul 2025 14:57

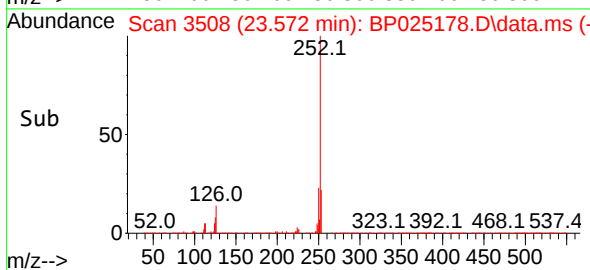
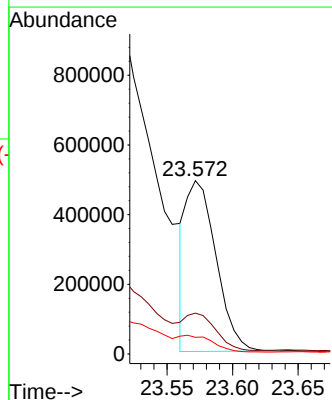
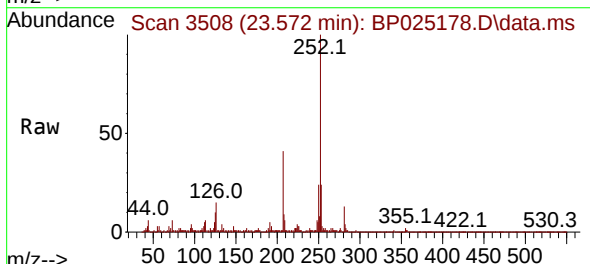
Instrument :
BNA_P
ClientSampleId :
OK-01-071425DL

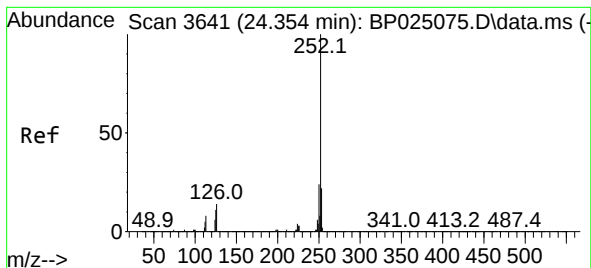
Tgt Ion:252 Resp: 2516358
Ion Ratio Lower Upper
252 100
253 22.4 17.7 26.5
125 10.5 8.1 12.1



#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

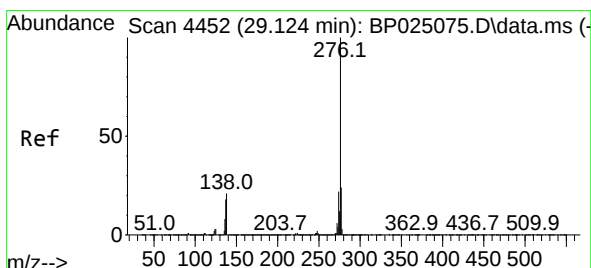
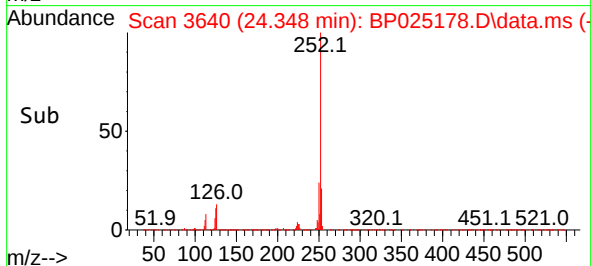
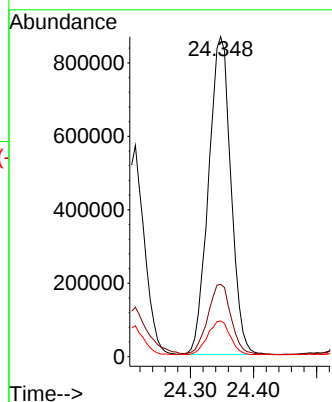
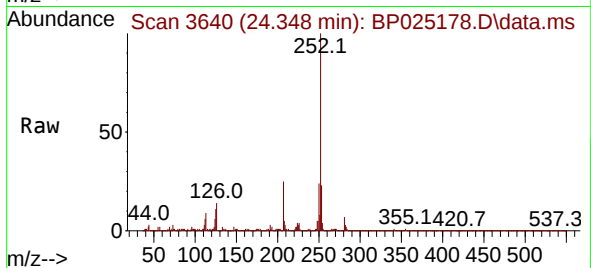
Tgt Ion:252 Resp: 2128452

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

