

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072825\
 Data File : BP025259.D
 Acq On : 28 Jul 2025 22:28
 Operator : CG/JU
 Sample : Q2700-01 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EO-03-072525

Quant Time: Jul 29 01:08:02 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP072125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 28 14:29:42 2025
 Response via : Initial Calibration

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

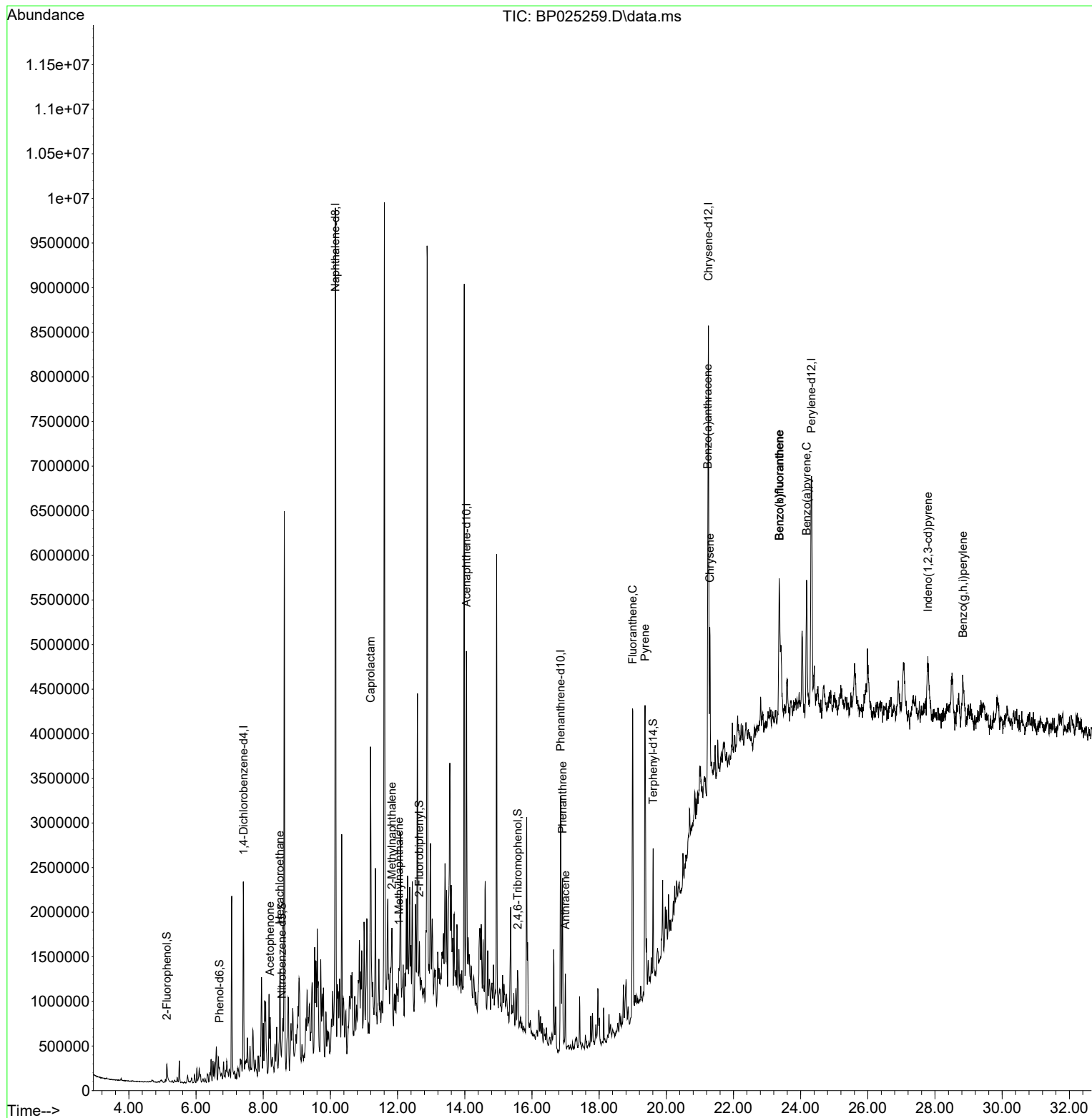
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.413	152	445696	20.000	ng	0.00
21) Naphthalene-d8	10.149	136	1671204	20.000	ng	# 0.00
39) Acenaphthene-d10	14.048	164	1067261	20.000	ng	0.00
64) Phenanthrene-d10	16.854	188	2231136	20.000	ng	0.01
76) Chrysene-d12	21.254	240	2469993	20.000	ng	-0.01
86) Perylene-d12	24.318	264	2953963	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.131	112	151259	5.734	ng	0.04
7) Phenol-d6	6.696	99	167280	5.120	ng	0.06
23) Nitrobenzene-d5	8.555	82	131222	4.364	ng	0.01
42) 2,4,6-Tribromophenol	15.578	330	77383	4.918	ng	0.00
45) 2-Fluorobiphenyl	12.648	172	353823	4.674	ng	0.00
79) Terphenyl-d14	19.607	244	609896	4.874	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	8.496	117	66871	5.724	ng	# 1
22) Acetophenone	8.202	105	262893	6.760	ng	# 61
35) Caprolactam	11.196	113	119405	13.595	ng	# 22
37) 2-Methylnaphthalene	11.825	142	152488	2.746	ng	# 96
38) 1-Methylnaphthalene	12.043	142	128951	2.211	ng	# 96
71) Phenanthrene	16.907	178	1340972	11.144	ng	99
72) Anthracene	16.995	178	430669	3.553	ng	100
75) Fluoranthene	18.995	202	2873988	20.293	ng	99
78) Pyrene	19.366	202	2560909	16.815	ng	95
81) Benzo(a)anthracene	21.236	228	1382332	8.862	ng	97
83) Chrysene	21.295	228	1253592	8.609	ng	97
87) Indeno(1,2,3-cd)pyrene	27.789	276	998725	4.627	ng	# 95
88) Benzo(b)fluoranthene	23.366	252	1760690	10.413	ng	95
89) Benzo(k)fluoranthene	23.366	252	1760690	10.548	ng	94
90) Benzo(a)pyrene	24.177	252	1358216	8.233	ng	# 95
92) Benzo(g,h,i)perylene	28.836	276	963848	5.569	ng	97

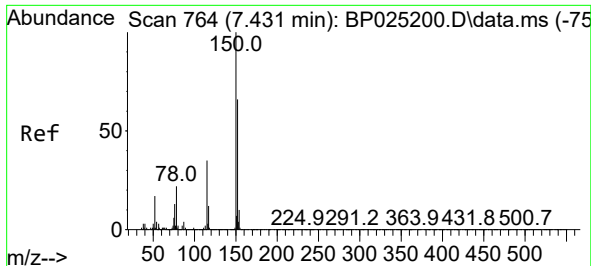
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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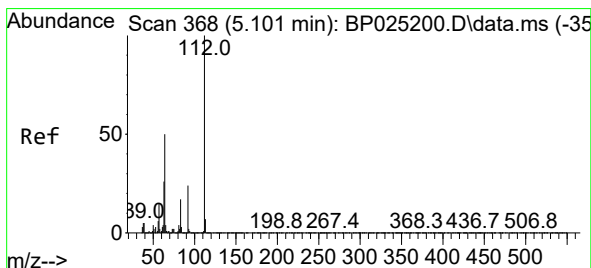
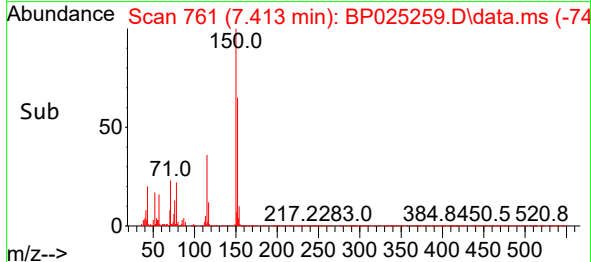
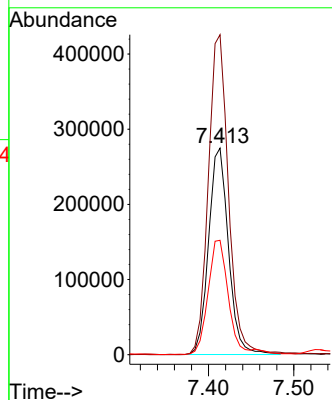
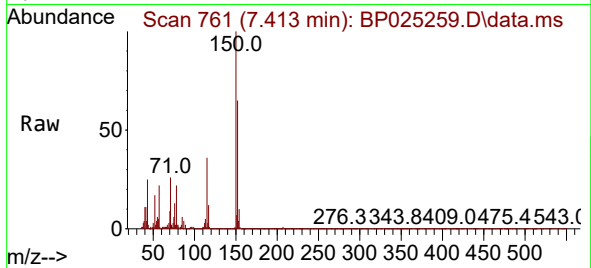




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.413 min Scan# 70
Delta R.T. -0.001 min
Lab File: BP025259.D
Acq: 28 Jul 2025 22:28

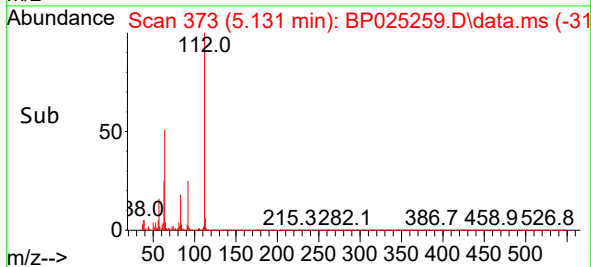
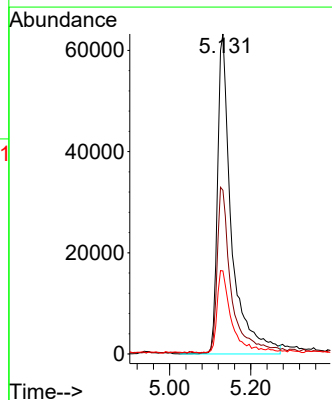
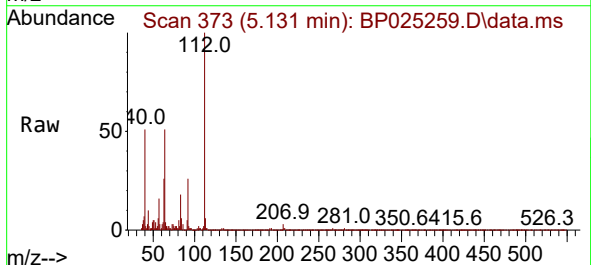
Instrument :
BNA_P
ClientSampleId :
EO-03-072525

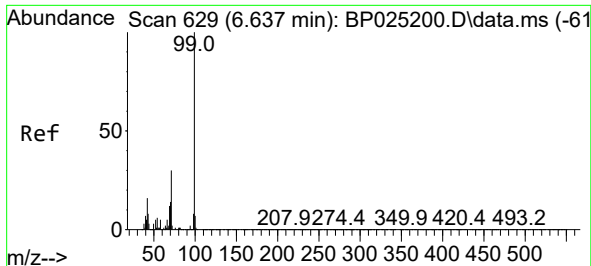
Tgt Ion:152 Resp: 445696
Ion Ratio Lower Upper
152 100
150 154.9 121.9 182.9
115 55.4 43.0 64.6



#5
2-Fluorophenol
Concen: 5.734 ng
RT: 5.131 min Scan# 373
Delta R.T. 0.035 min
Lab File: BP025259.D
Acq: 28 Jul 2025 22:28

Tgt Ion:112 Resp: 151259
Ion Ratio Lower Upper
112 100
64 51.2 39.8 59.6
63 25.9 20.5 30.7

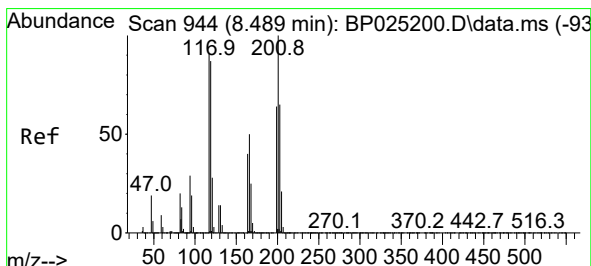
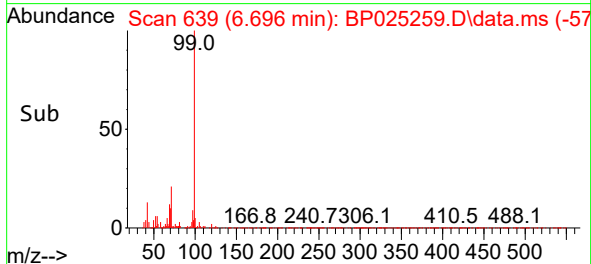
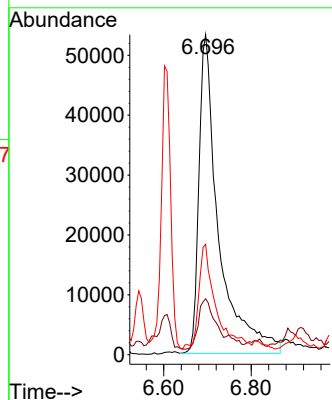
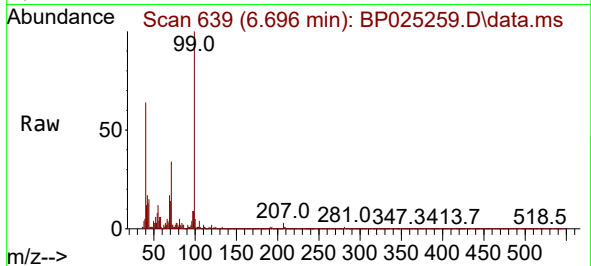




#7
Phenol-d6
Concen: 5.120 ng
RT: 6.696 min Scan# 61
Delta R.T. 0.059 min
Lab File: BP025259.D
Acq: 28 Jul 2025 22:28

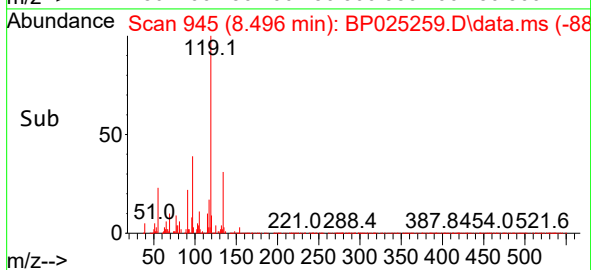
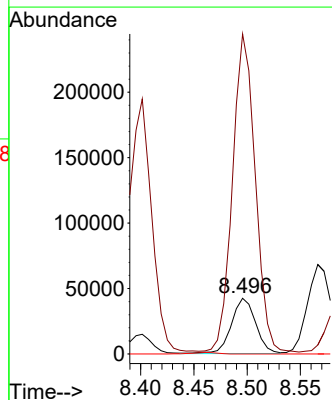
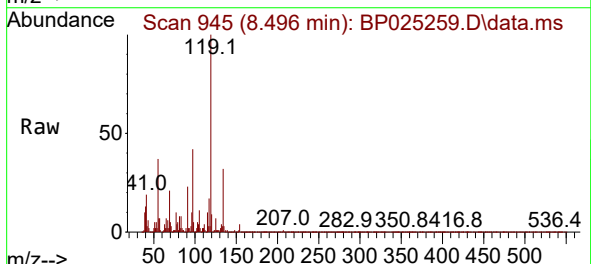
Instrument :
BNA_P
ClientSampleId :
EO-03-072525

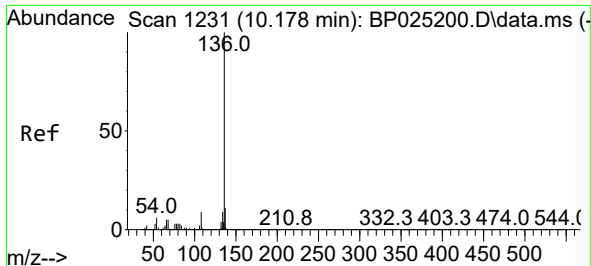
Tgt Ion: 99 Resp: 167280
Ion Ratio Lower Upper
99 100
42 17.4 12.5 18.7
71 34.5 24.2 36.2



#18
Hexachloroethane
Concen: 5.724 ng
RT: 8.496 min Scan# 945
Delta R.T. 0.035 min
Lab File: BP025259.D
Acq: 28 Jul 2025 22:28

Tgt Ion: 117 Resp: 66871
Ion Ratio Lower Upper
117 100
119 574.4 77.0 115.6#
201 0.0 88.3 132.5#

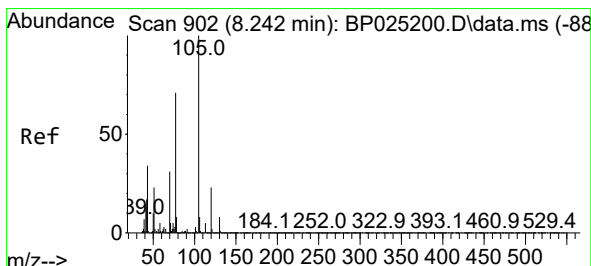
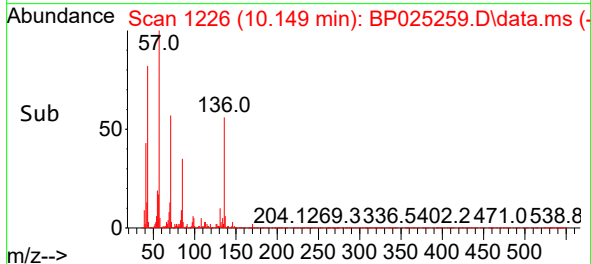
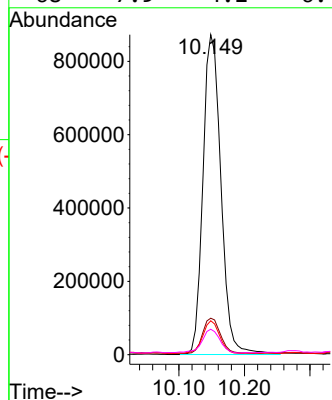
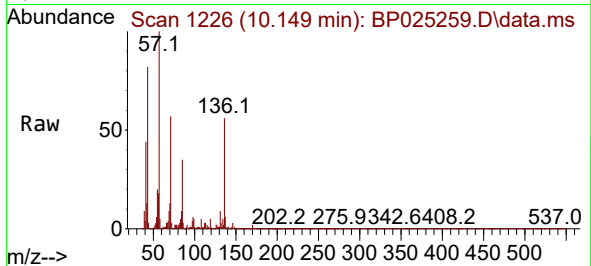




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.149 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP025259.D
Acq: 28 Jul 2025 22:28

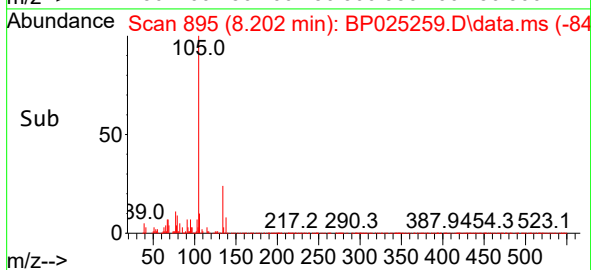
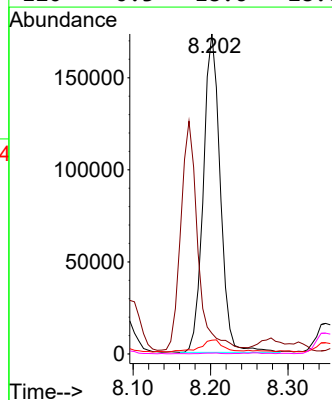
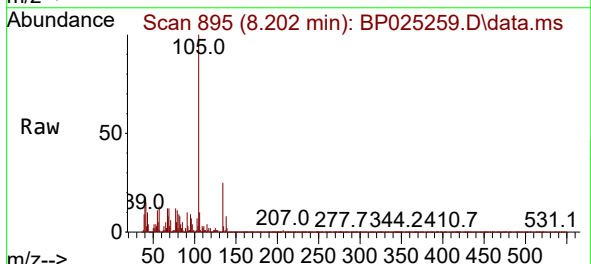
Instrument :
BNA_P
ClientSampleId :
EO-03-072525

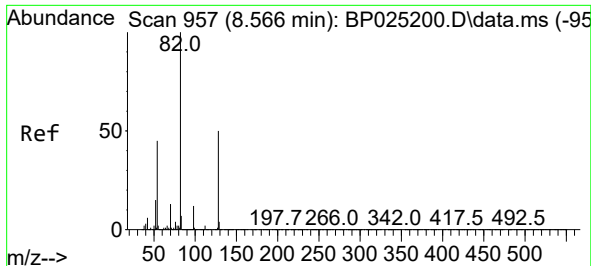
Tgt Ion:136 Resp: 1671204
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 10.6 5.1 7.7#
68 7.9 4.2 6.4#



#22
Acetophenone
Concen: 6.760 ng
RT: 8.202 min Scan# 895
Delta R.T. -0.012 min
Lab File: BP025259.D
Acq: 28 Jul 2025 22:28

Tgt Ion:105 Resp: 262893
Ion Ratio Lower Upper
105 100
71 6.5 4.1 6.1#
51 4.3 18.5 27.7#
120 0.3 18.6 28.0#

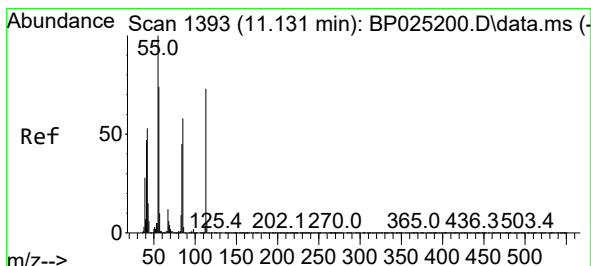
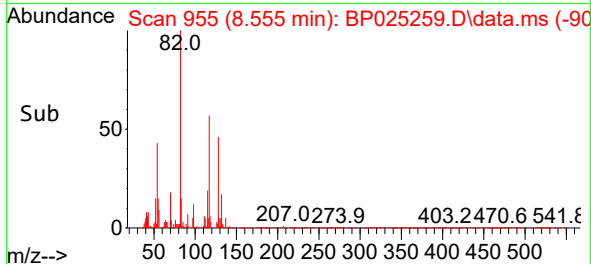
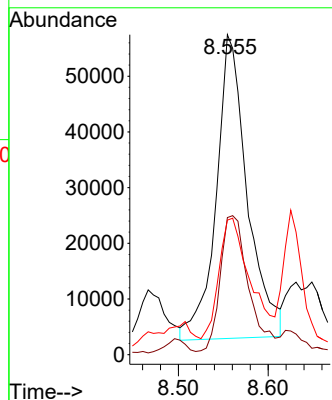
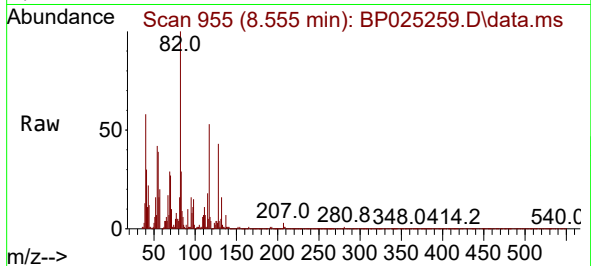




#23
Nitrobenzene-d5
Concen: 4.364 ng
RT: 8.555 min Scan# 91
Delta R.T. 0.012 min
Lab File: BP025259.D
Acq: 28 Jul 2025 22:28

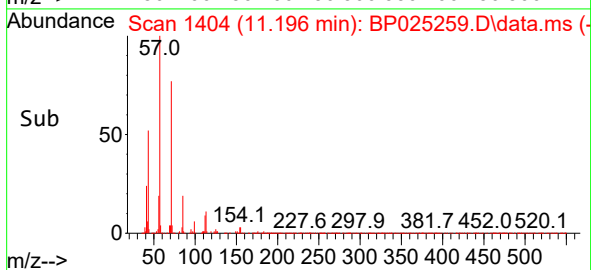
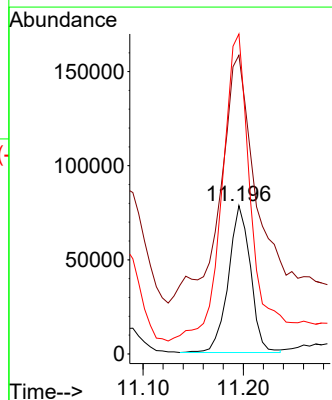
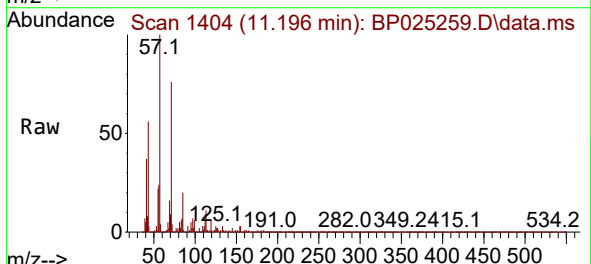
Instrument :
BNA_P
ClientSampleId :
EO-03-072525

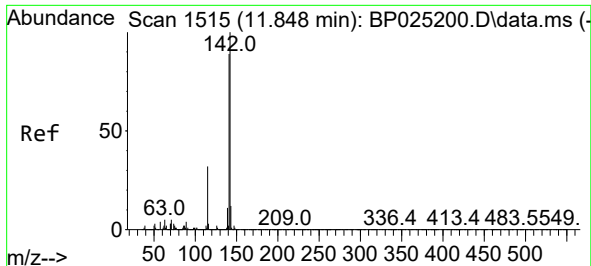
Tgt Ion: 82 Resp: 131222
Ion Ratio Lower Upper
82 100
128 42.8 40.2 60.4
54 42.1 36.3 54.5



#35
Caprolactam
Concen: 13.595 ng
RT: 11.196 min Scan# 1404
Delta R.T. 0.035 min
Lab File: BP025259.D
Acq: 28 Jul 2025 22:28

Tgt Ion: 113 Resp: 119405
Ion Ratio Lower Upper
113 100
55 201.3 117.6 157.6#
56 215.7 82.4 122.4#

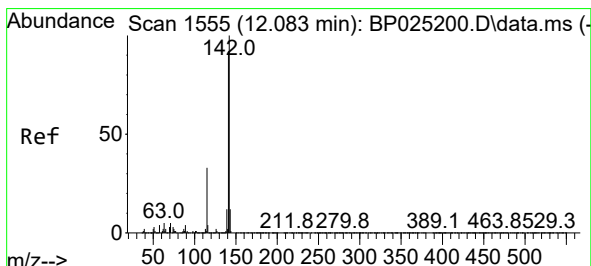
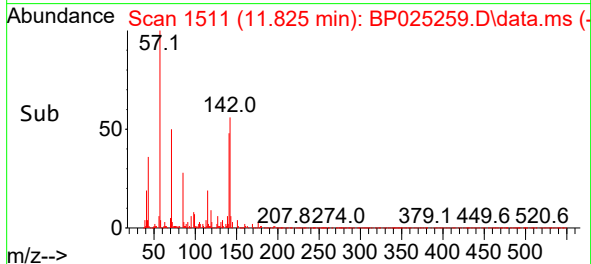
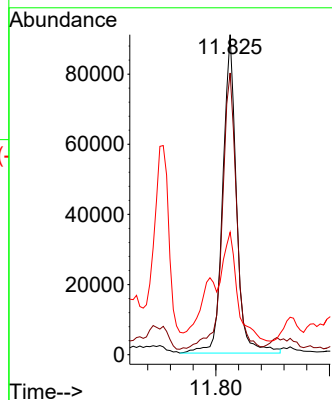
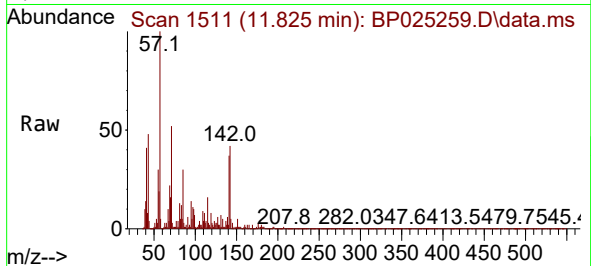




#37
2-Methylnaphthalene
Concen: 2.746 ng
RT: 11.825 min Scan# 1511
Delta R.T. 0.006 min
Lab File: BP025259.D
Acq: 28 Jul 2025 22:28

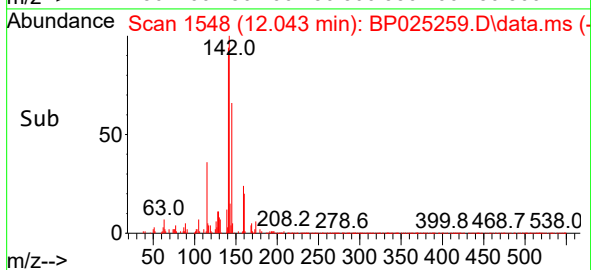
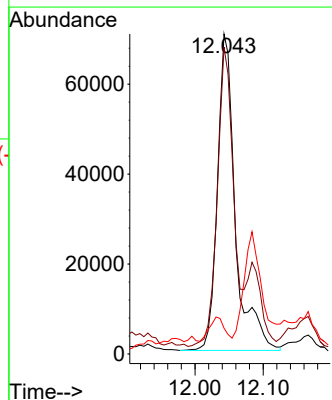
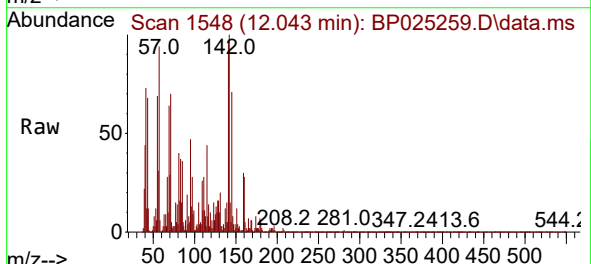
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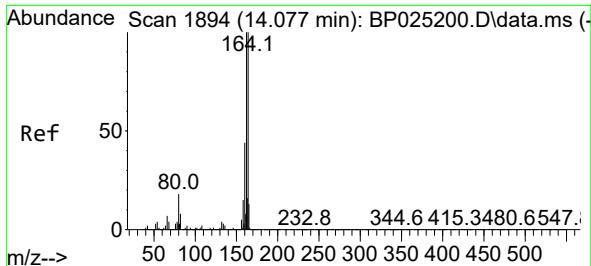
Tgt Ion:142 Resp: 152488
Ion Ratio Lower Upper
142 100
141 88.1 71.2 106.8
115 38.2 25.3 37.9#



#38
1-Methylnaphthalene
Concen: 2.211 ng
RT: 12.043 min Scan# 1548
Delta R.T. -0.000 min
Lab File: BP025259.D
Acq: 28 Jul 2025 22:28

Tgt Ion:142 Resp: 128951
Ion Ratio Lower Upper
142 100
141 95.9 73.8 110.8
116 8.1 2.8 4.2#

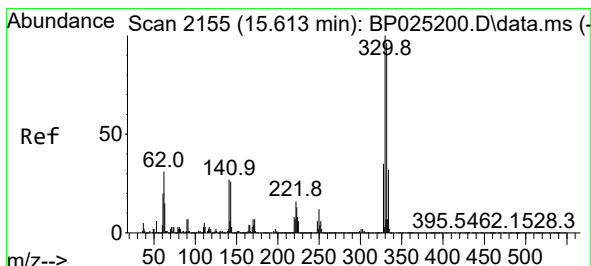
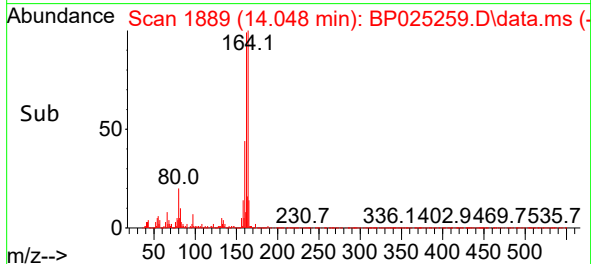
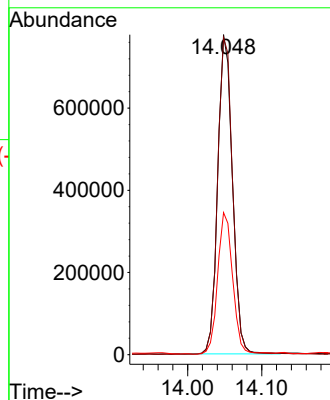
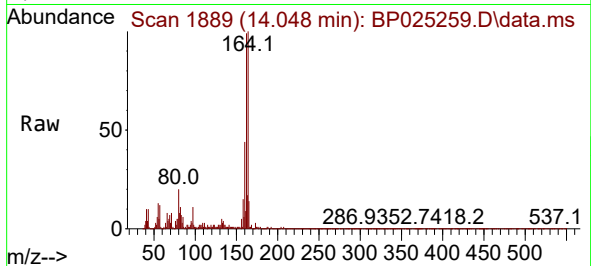




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.048 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP025259.D
Acq: 28 Jul 2025 22:28

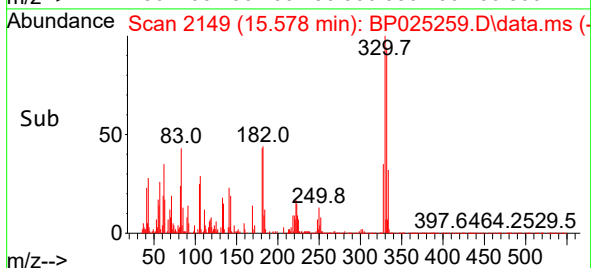
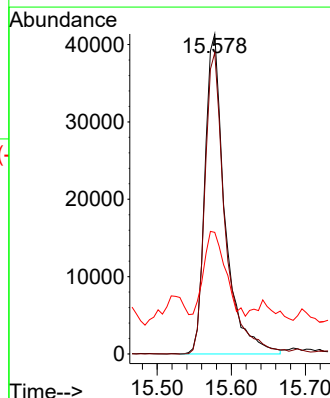
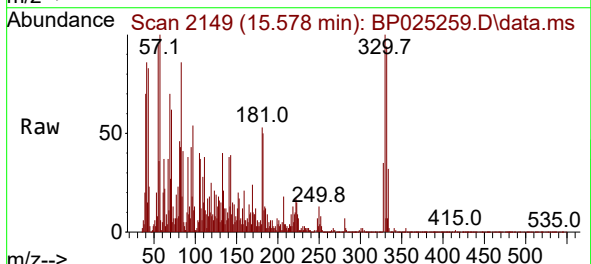
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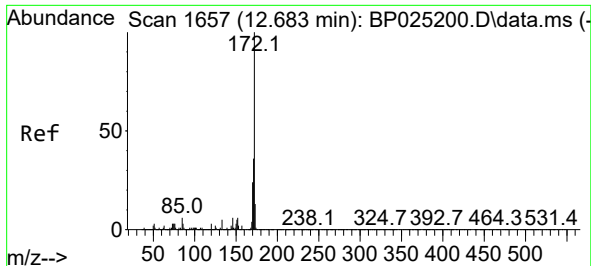
Tgt Ion:164 Resp: 1067261
Ion Ratio Lower Upper
164 100
162 99.1 80.3 120.5
160 44.4 35.7 53.5



#42
2,4,6-Tribromophenol
Concen: 4.918 ng
RT: 15.578 min Scan# 2149
Delta R.T. 0.006 min
Lab File: BP025259.D
Acq: 28 Jul 2025 22:28

Tgt Ion:330 Resp: 77383
Ion Ratio Lower Upper
330 100
332 95.9 77.1 115.7
141 28.2 22.4 33.6

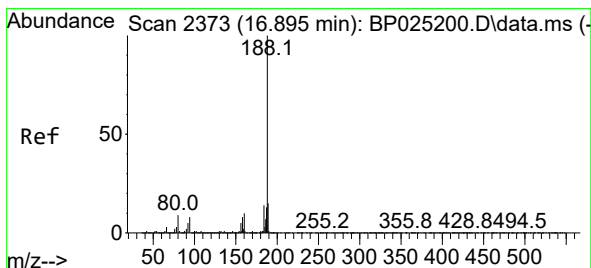
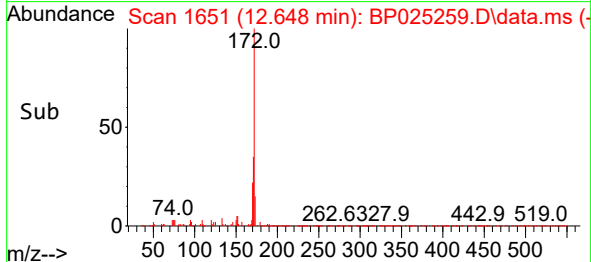
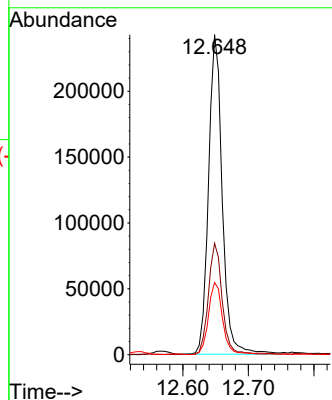
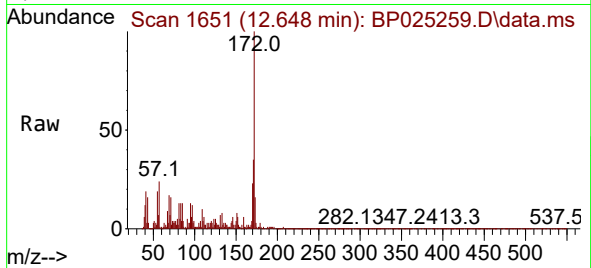




#45
2-Fluorobiphenyl
Concen: 4.674 ng
RT: 12.648 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025259.D
Acq: 28 Jul 2025 22:28

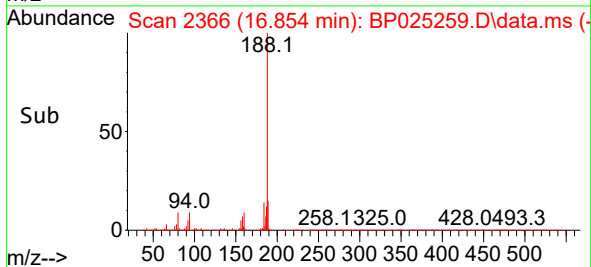
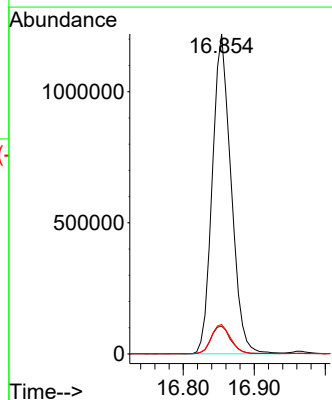
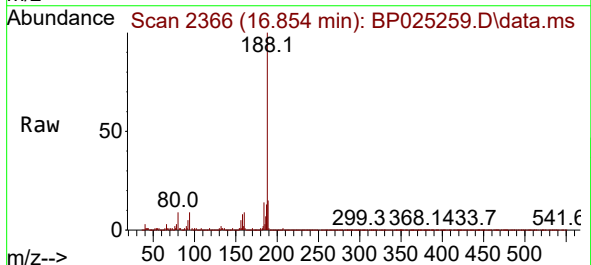
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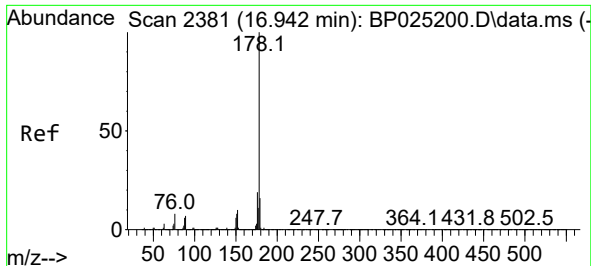
Tgt Ion:172 Resp: 353823
Ion Ratio Lower Upper
172 100
171 34.8 28.8 43.2
170 22.6 19.2 28.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.854 min Scan# 2366
Delta R.T. 0.012 min
Lab File: BP025259.D
Acq: 28 Jul 2025 22:28

Tgt Ion:188 Resp: 2231136
Ion Ratio Lower Upper
188 100
94 8.7 6.8 10.2
80 9.2 7.3 10.9

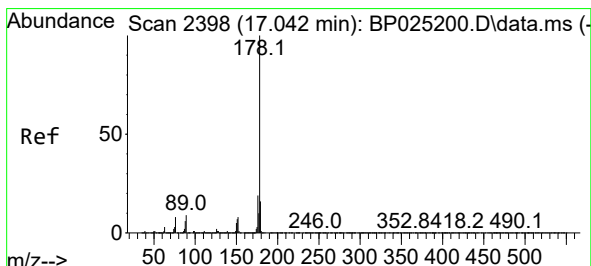
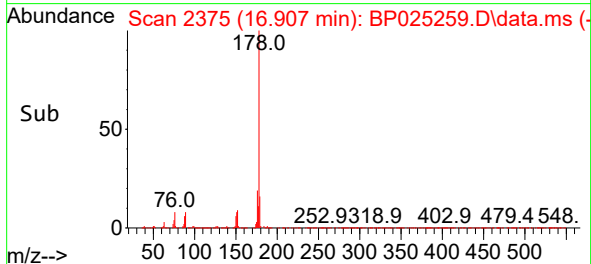
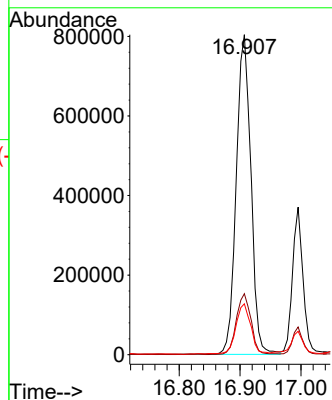
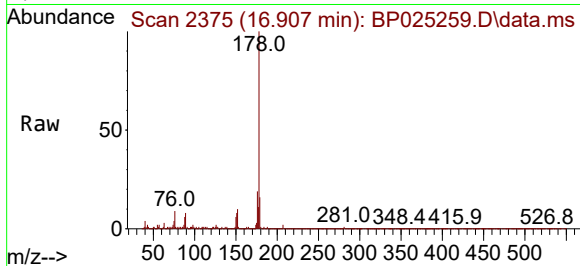




#71
Phenanthrene
Concen: 11.144 ng
RT: 16.907 min Scan# 21
Delta R.T. 0.023 min
Lab File: BP025259.D
Acq: 28 Jul 2025 22:28

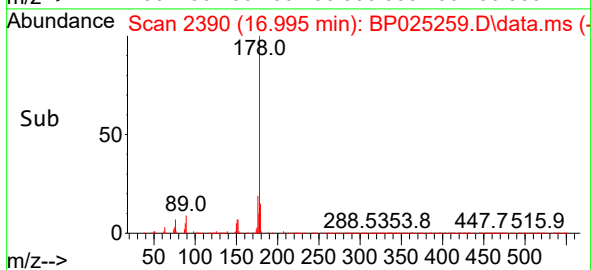
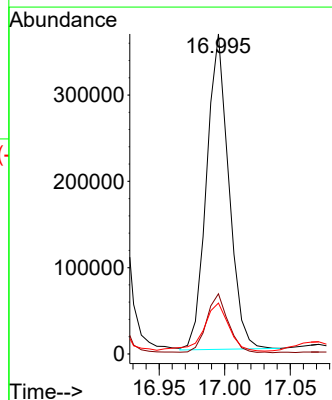
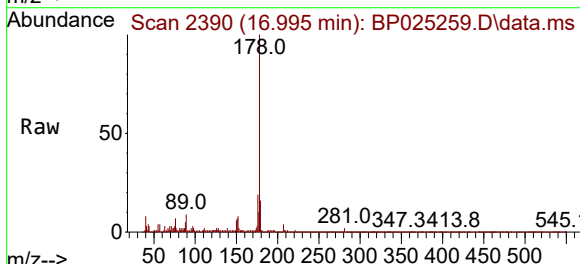
Instrument :
BNA_P
ClientSampleId :
EO-03-072525

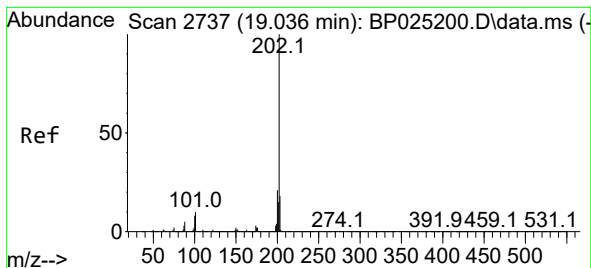
Tgt Ion:178 Resp: 1340972
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 15.9 12.5 18.7



#72
Anthracene
Concen: 3.553 ng
RT: 16.995 min Scan# 2390
Delta R.T. -0.000 min
Lab File: BP025259.D
Acq: 28 Jul 2025 22:28

Tgt Ion:178 Resp: 430669
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.4
179 15.9 12.5 18.7





#75

Fluoranthene

Concen: 20.293 ng

RT: 18.995 min Scan# 21

Delta R.T. 0.017 min

Lab File: BP025259.D

Acq: 28 Jul 2025 22:28

Instrument :

BNA_P

ClientSampleId :

EO-03-072525

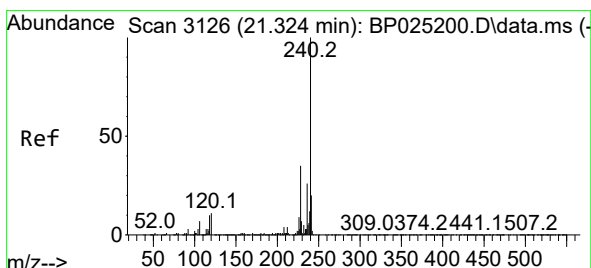
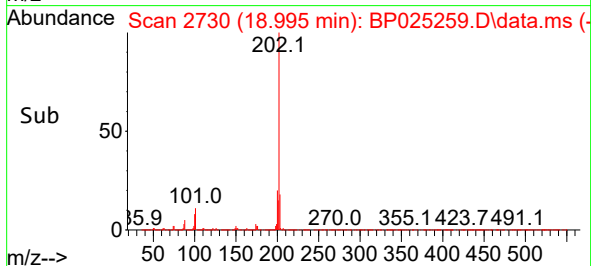
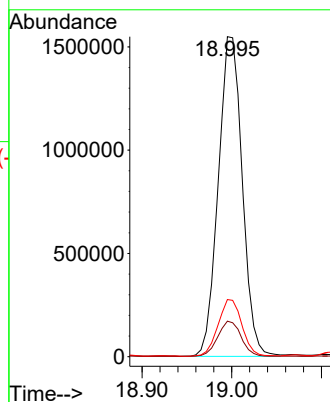
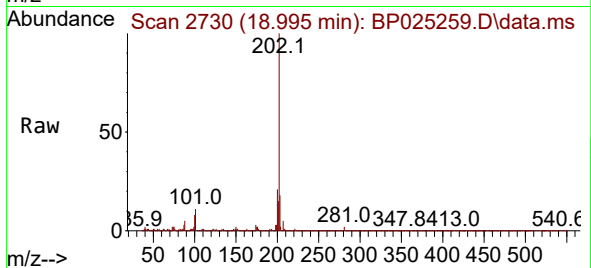
Tgt Ion:202 Resp: 2873988

Ion Ratio Lower Upper

202 100

101 11.1 0.0 30.3

203 17.8 0.0 38.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.254 min Scan# 3114

Delta R.T. -0.012 min

Lab File: BP025259.D

Acq: 28 Jul 2025 22:28

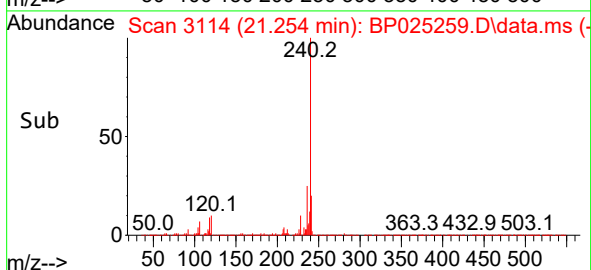
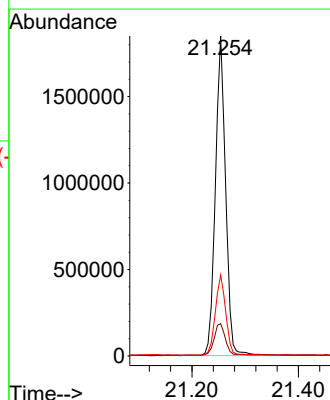
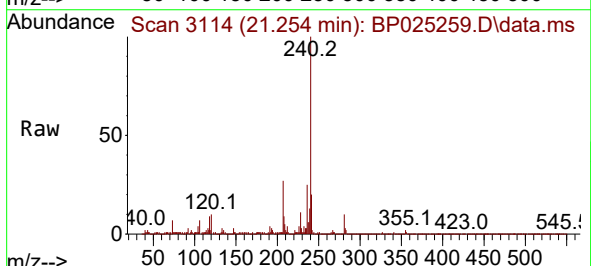
Tgt Ion:240 Resp: 2469993

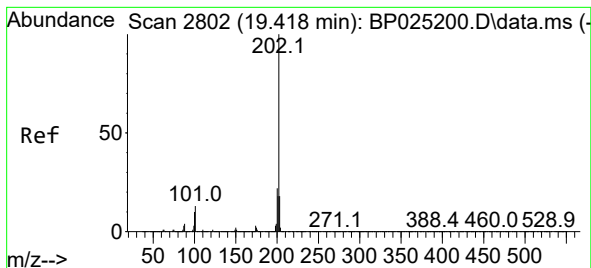
Ion Ratio Lower Upper

240 100

120 10.1 8.8 13.2

236 25.3 20.9 31.3





#78

Pyrene

Concen: 16.815 ng

RT: 19.366 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP025259.D

Acq: 28 Jul 2025 22:28

Instrument :

BNA_P

ClientSampleId :

EO-03-072525

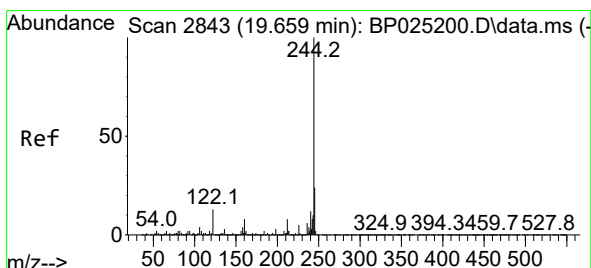
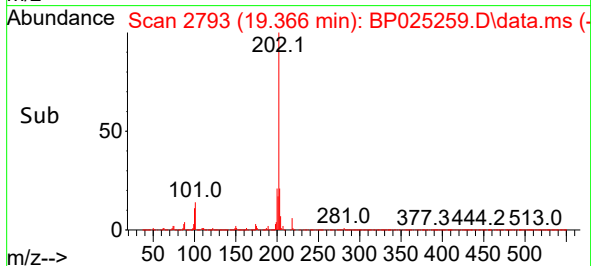
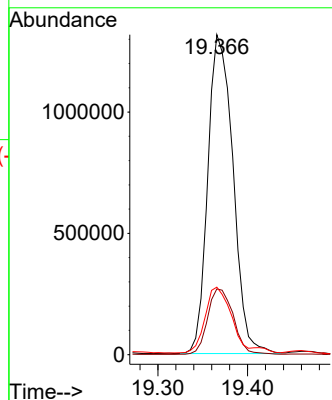
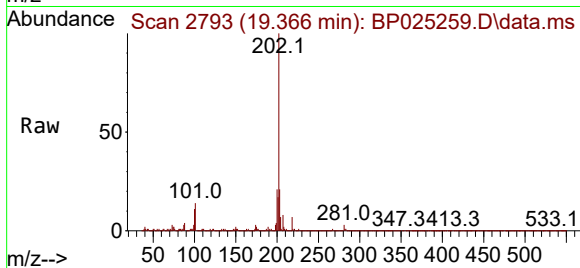
Tgt Ion:202 Resp: 2560909

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

203 21.1 14.3 21.5



#79

Terphenyl-d14

Concen: 4.874 ng

RT: 19.607 min Scan# 2834

Delta R.T. -0.006 min

Lab File: BP025259.D

Acq: 28 Jul 2025 22:28

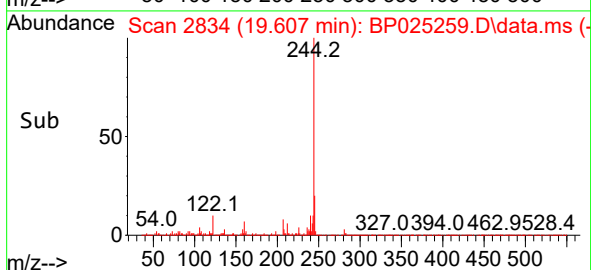
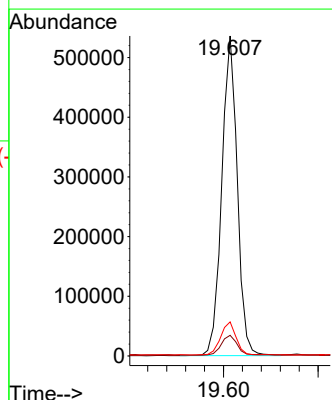
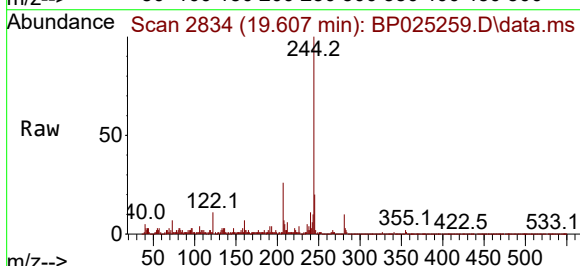
Tgt Ion:244 Resp: 609896

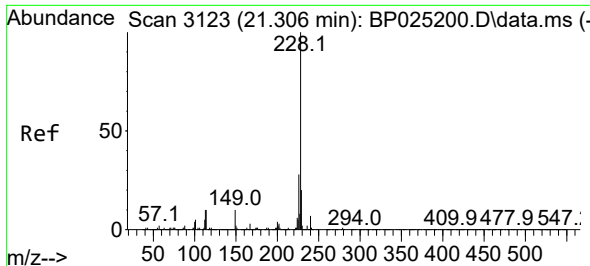
Ion Ratio Lower Upper

244 100

212 6.5 6.6 9.8#

122 10.7 10.3 15.5

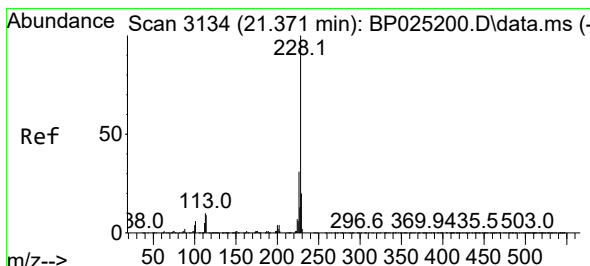
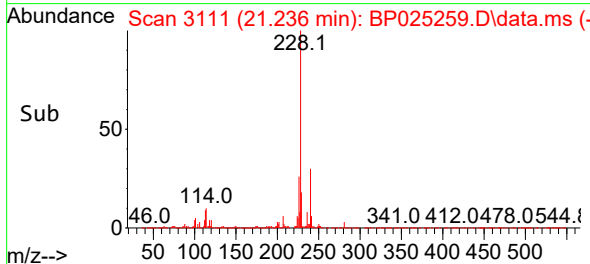
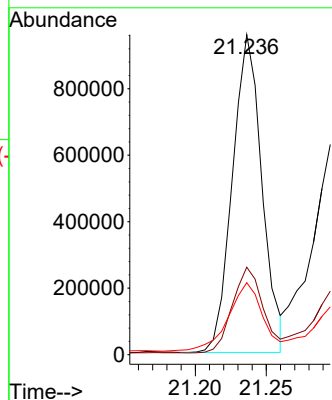
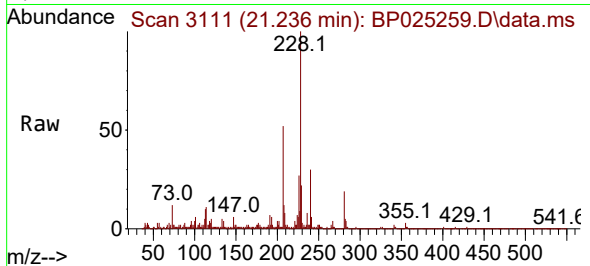




#81
Benzo(a)anthracene
Concen: 8.862 ng
RT: 21.236 min Scan# 3111
Delta R.T. -0.012 min
Lab File: BP025259.D
Acq: 28 Jul 2025 22:28

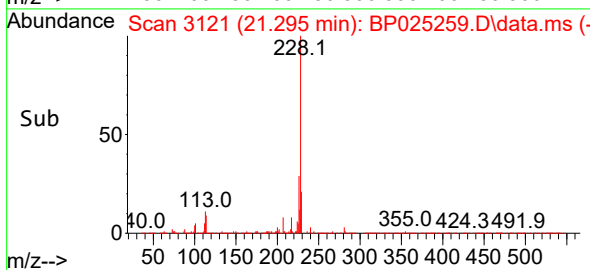
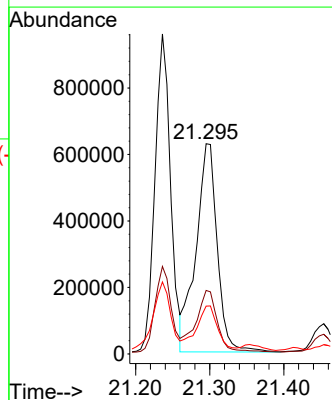
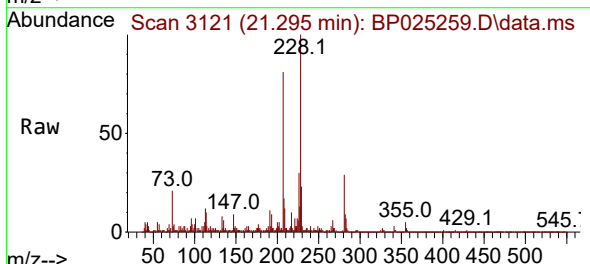
Instrument :
BNA_P
ClientSampleId :
EO-03-072525

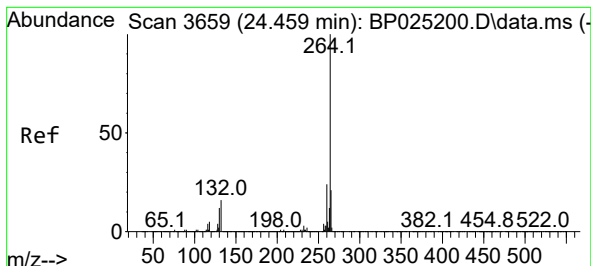
Tgt Ion:228 Resp: 1382332
Ion Ratio Lower Upper
228 100
226 27.4 22.3 33.5
229 22.5 16.2 24.2



#83
Chrysene
Concen: 8.609 ng
RT: 21.295 min Scan# 3121
Delta R.T. -0.012 min
Lab File: BP025259.D
Acq: 28 Jul 2025 22:28

Tgt Ion:228 Resp: 1253592
Ion Ratio Lower Upper
228 100
226 30.2 24.6 37.0
229 22.8 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.318 min Scan# 30

Delta R.T. -0.012 min

Lab File: BP025259.D

Acq: 28 Jul 2025 22:28

Instrument :

BNA_P

ClientSampleId :

EO-03-072525

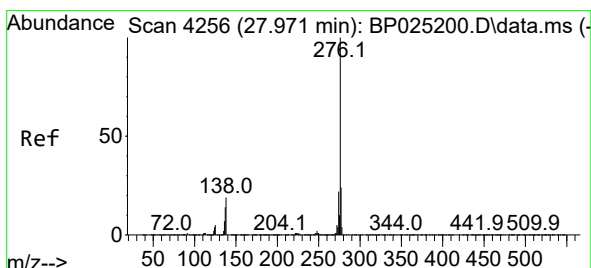
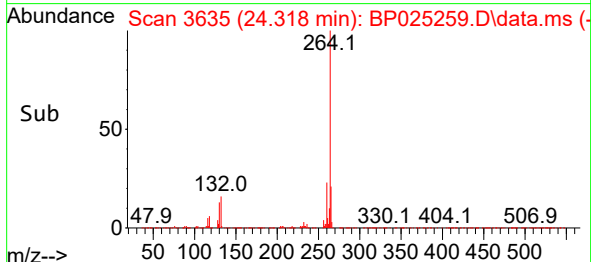
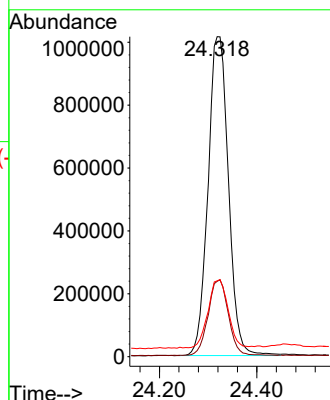
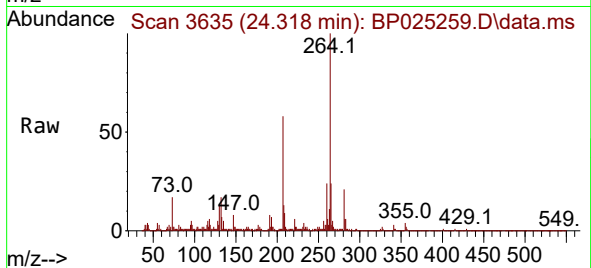
Tgt Ion:264 Resp: 2953963

Ion Ratio Lower Upper

264 100

260 23.6 19.0 28.6

265 23.7 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.627 ng

RT: 27.789 min Scan# 4225

Delta R.T. 0.006 min

Lab File: BP025259.D

Acq: 28 Jul 2025 22:28

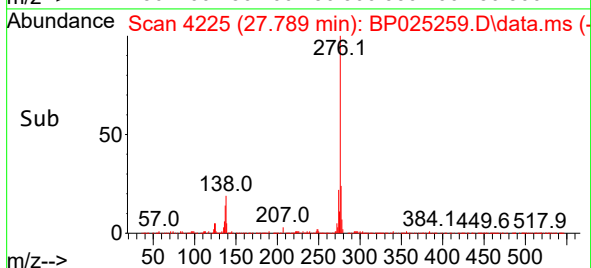
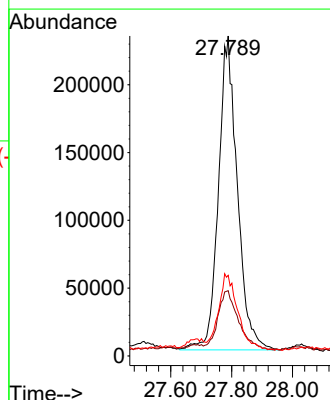
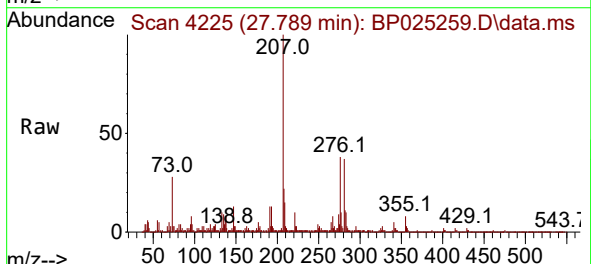
Tgt Ion:276 Resp: 998725

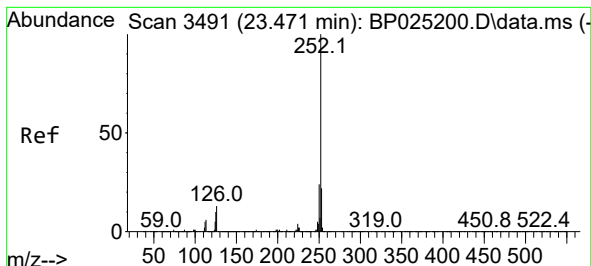
Ion Ratio Lower Upper

276 100

138 20.9 12.8 19.2#

277 25.0 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 10.413 ng

RT: 23.366 min Scan# 3491

Delta R.T. 0.012 min

Lab File: BP025259.D

Acq: 28 Jul 2025 22:28

Instrument :

BNA_P

ClientSampleId :

EO-03-072525

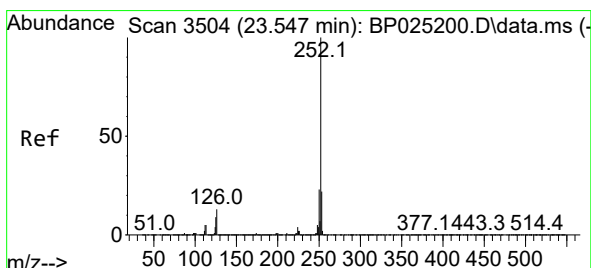
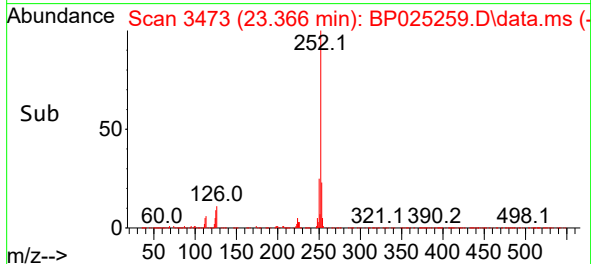
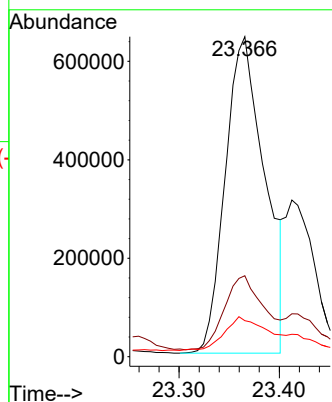
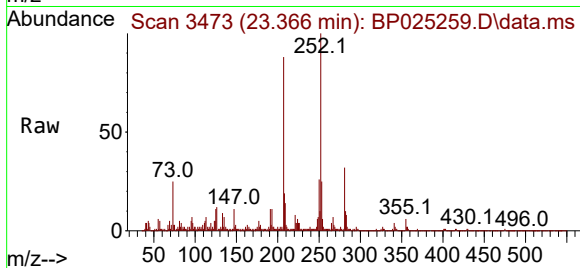
Tgt Ion:252 Resp: 1760690

Ion Ratio Lower Upper

252 100

253 25.3 18.0 27.0

125 11.2 7.8 11.8



#89

Benzo(k)fluoranthene

Concen: 10.548 ng

RT: 23.366 min Scan# 3473

Delta R.T. -0.053 min

Lab File: BP025259.D

Acq: 28 Jul 2025 22:28

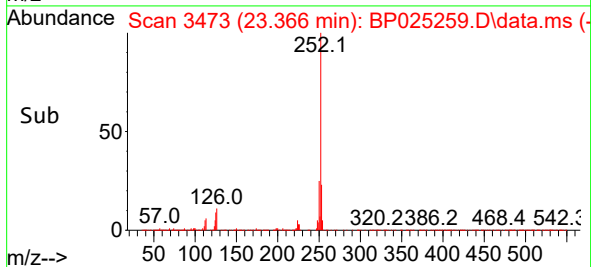
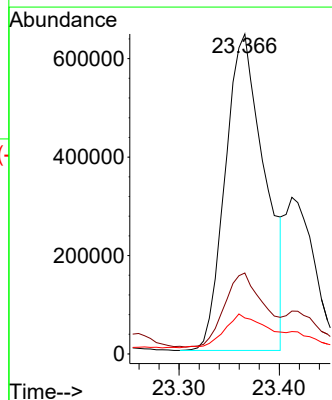
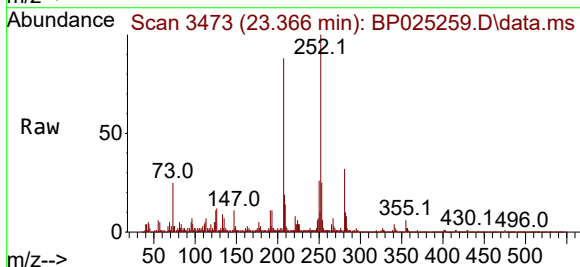
Tgt Ion:252 Resp: 1760690

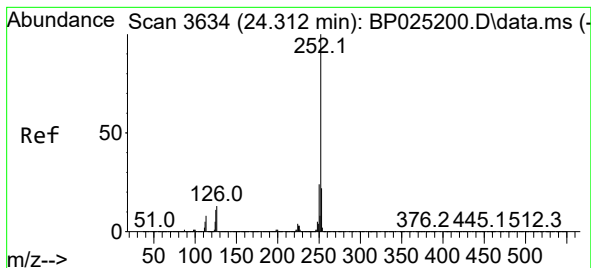
Ion Ratio Lower Upper

252 100

253 25.3 17.8 26.6

125 11.2 7.5 11.3





#90

Benzo(a)pyrene

Concen: 8.233 ng

RT: 24.177 min Scan# 3

Delta R.T. 0.006 min

Lab File: BP025259.D

Acq: 28 Jul 2025 22:28

Instrument :

BNA_P

ClientSampleId :

EO-03-072525

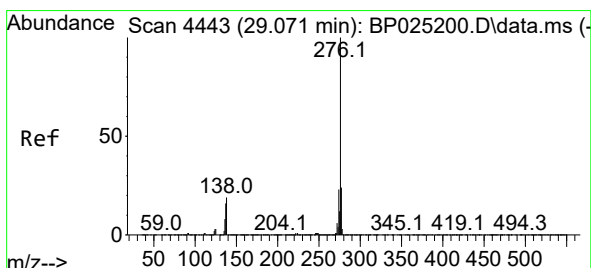
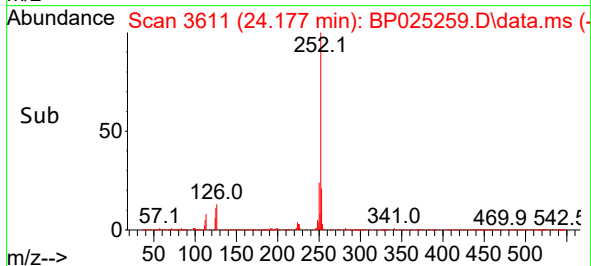
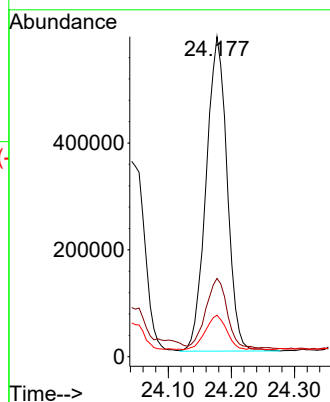
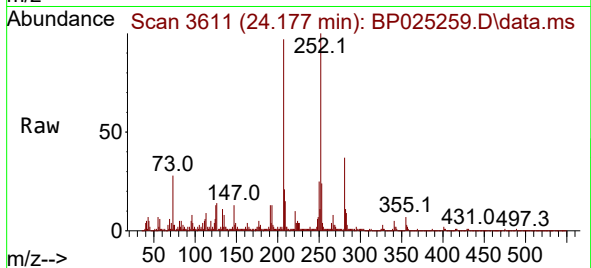
Tgt Ion:252 Resp: 1358216

Ion Ratio Lower Upper

252 100

253 24.5 17.8 26.6

125 12.9 8.6 12.8#



#92

Benzo(g,h,i)perylene

Concen: 5.569 ng

RT: 28.836 min Scan# 4403

Delta R.T. 0.006 min

Lab File: BP025259.D

Acq: 28 Jul 2025 22:28

Tgt Ion:276 Resp: 963848

Ion Ratio Lower Upper

276 100

277 25.0 19.2 28.8

138 21.5 15.4 23.2

