

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
 Data File : BM049973.D
 Acq On : 18 Apr 2025 19:43
 Operator : RC/JU
 Sample : Q1829-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LP5729

Quant Time: Apr 18 23:11:14 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 09 04:00:55 2025
 Response via : Initial Calibration

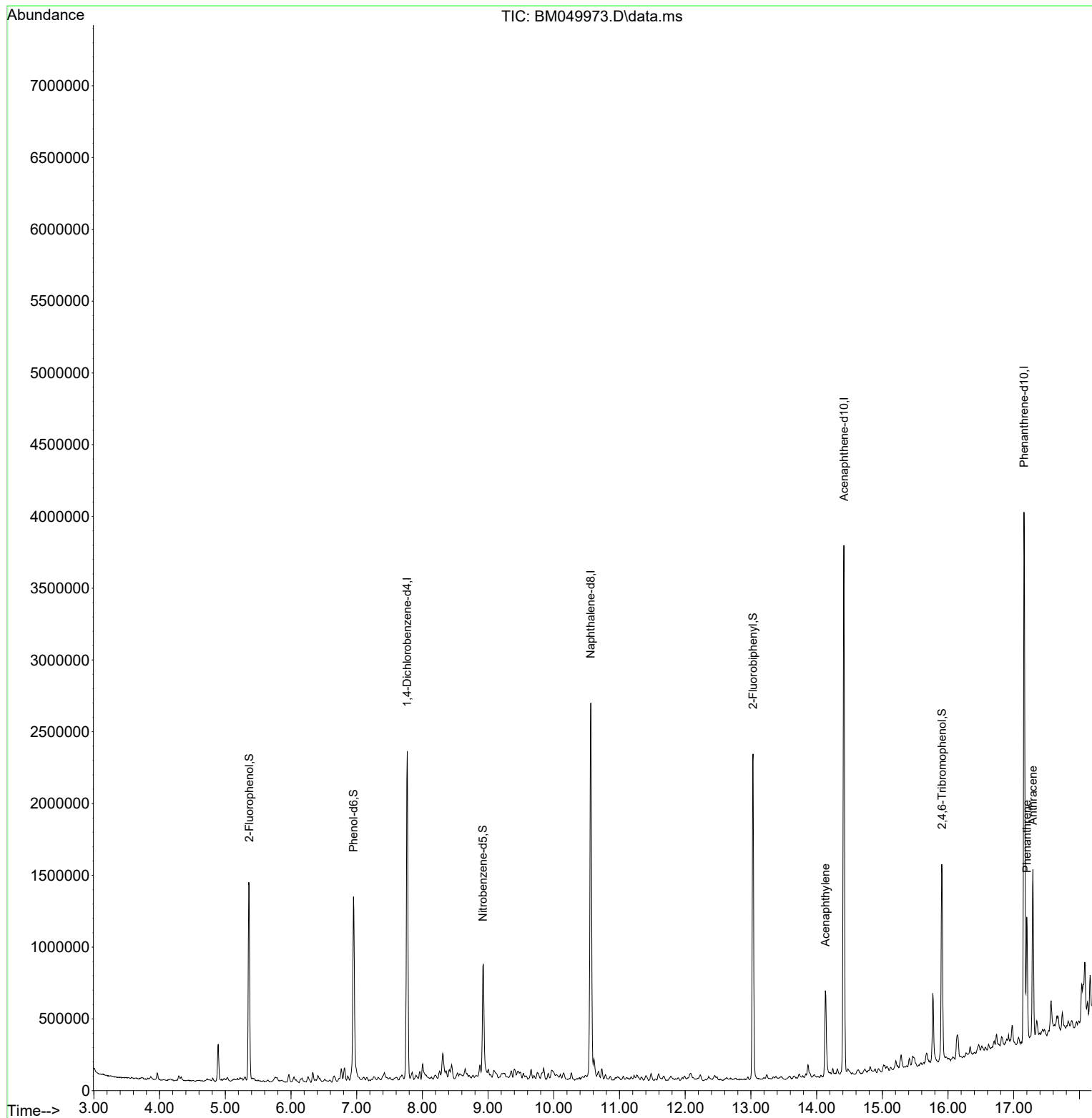
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	660399	20.000	ng	-0.01
21) Naphthalene-d8	10.563	136	2248780	20.000	ng	-0.01
39) Acenaphthene-d10	14.416	164	1329903	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	2260737	20.000	ng	0.00
76) Chrysene-d12	21.398	240	1941299	20.000	ng	0.00
86) Perylene-d12	24.409	264	2008845	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	640071	16.458	ng	0.00
7) Phenol-d6	6.951	99	807836	16.695	ng	0.00
23) Nitrobenzene-d5	8.922	82	478862	11.858	ng	-0.01
42) 2,4,6-Tribromophenol	15.910	330	297619	15.386	ng	0.00
45) 2-Fluorobiphenyl	13.033	172	1267498	12.924	ng	-0.01
79) Terphenyl-d14	19.780	244	1267750	12.238	ng	-0.01
Target Compounds						
						Qvalue
49) Acenaphthylene	14.133	152	539284	4.765	ng	99
71) Phenanthrene	17.198	178	532697	4.298	ng	99
72) Anthracene	17.292	178	788088	6.452	ng	99
75) Fluoranthene	19.221	202	3101699	20.353	ng	99
78) Pyrene	19.580	202	2887090	21.579	ng	99
81) Benzo(a)anthracene	21.380	228	1623625	12.584	ng	97
83) Chrysene	21.445	228	1525178m	12.434	ng	
87) Indeno(1,2,3-cd)pyrene	27.797	276	1190323	7.949	ng	96
88) Benzo(b)fluoranthene	23.456	252	2309782	18.003	ng	99
89) Benzo(k)fluoranthene	23.515	252	781117m	6.283	ng	
90) Benzo(a)pyrene	24.262	252	1543619	13.692	ng	99
91) Dibenzo(a,h)anthracene	27.827	278	302428	2.452	ng	# 89
92) Benzo(g,h,i)perylene	28.856	276	1143831	9.075	ng	99

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

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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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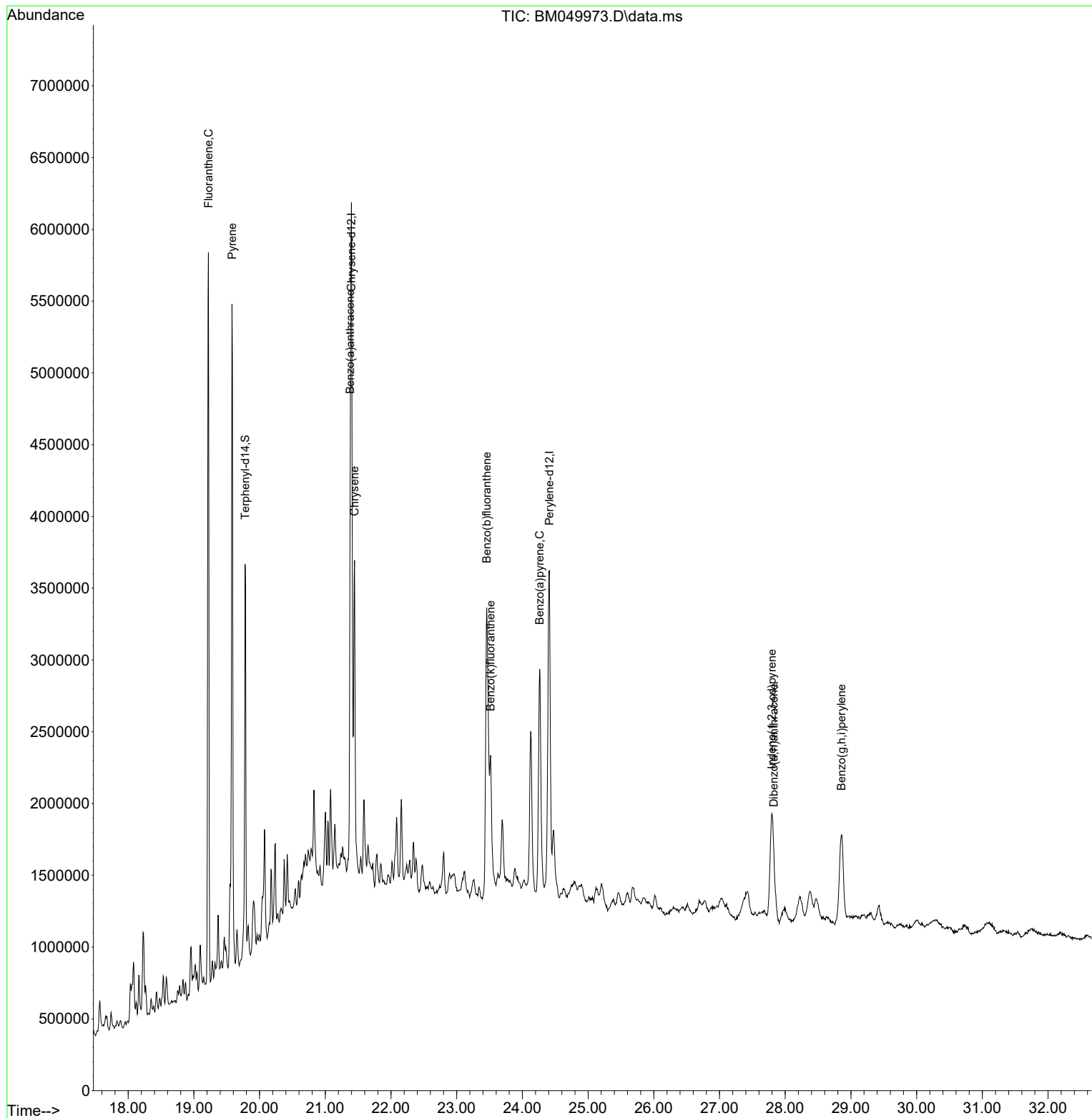
Quant Time: Apr 18 23:11:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

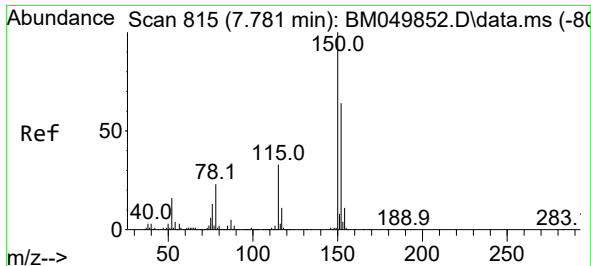


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
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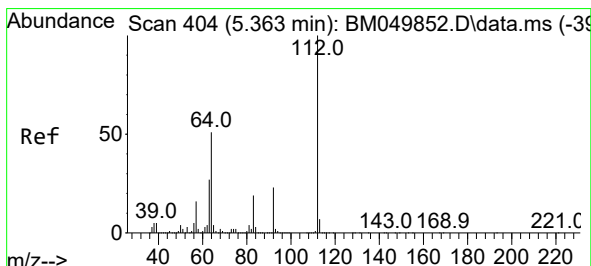
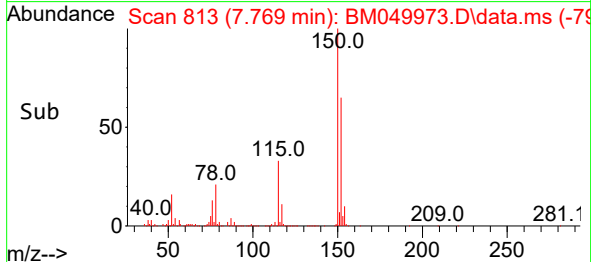
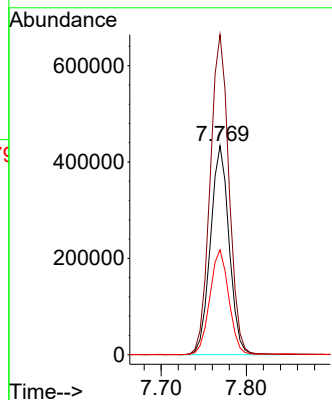
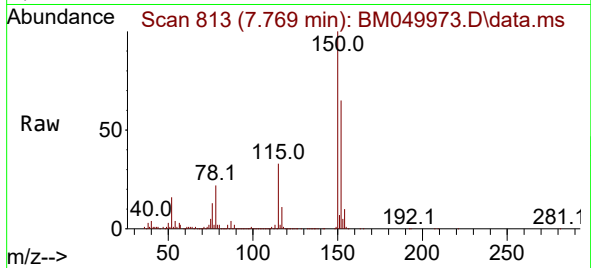




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 815
Delta R.T. -0.012 min
Lab File: BM049973.D
Acq: 18 Apr 2025 19:43

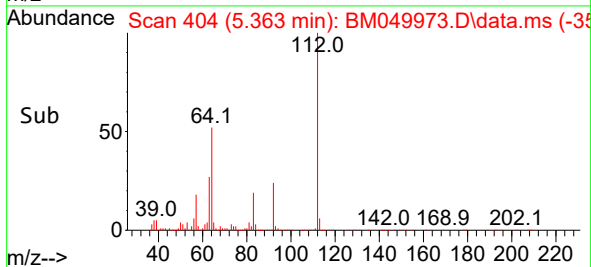
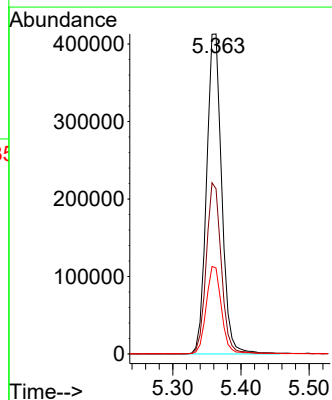
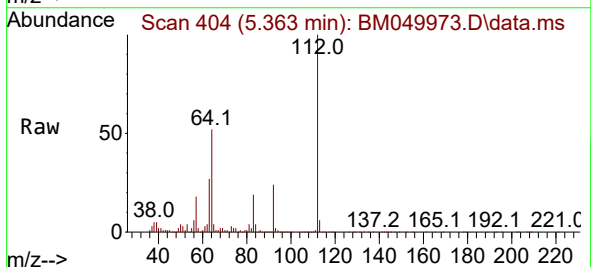
Instrument :
BNA_M
ClientSampleId :
LP5729

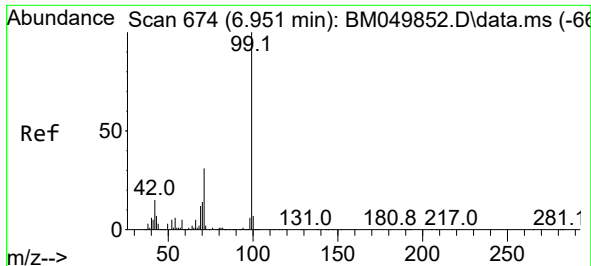
Tgt Ion:152 Resp: 660399
Ion Ratio Lower Upper
152 100
150 153.3 124.3 186.5
115 50.2 41.1 61.7



#5
2-Fluorophenol
Concen: 16.458 ng
RT: 5.363 min Scan# 404
Delta R.T. 0.000 min
Lab File: BM049973.D
Acq: 18 Apr 2025 19:43

Tgt Ion:112 Resp: 640071
Ion Ratio Lower Upper
112 100
64 51.6 41.0 61.6
63 26.9 21.5 32.3

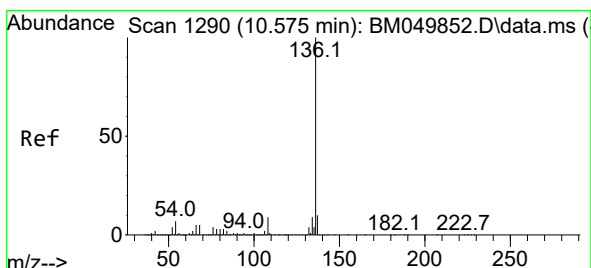
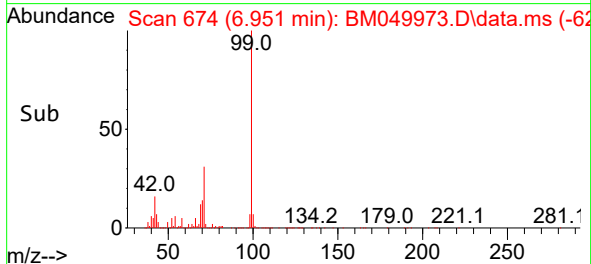
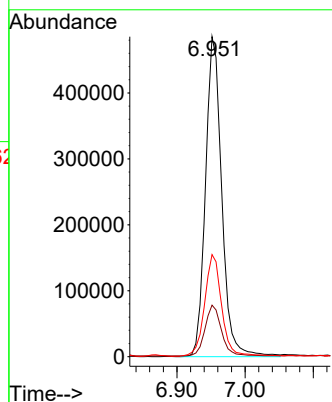
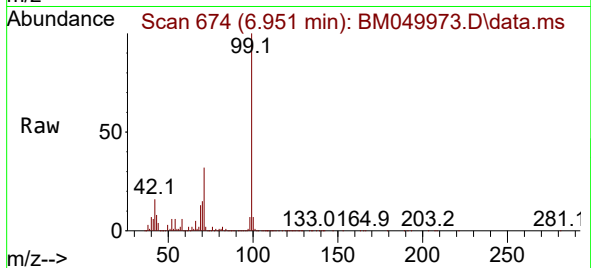




#7
Phenol-d6
Concen: 16.695 ng
RT: 6.951 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM049973.D
Acq: 18 Apr 2025 19:43

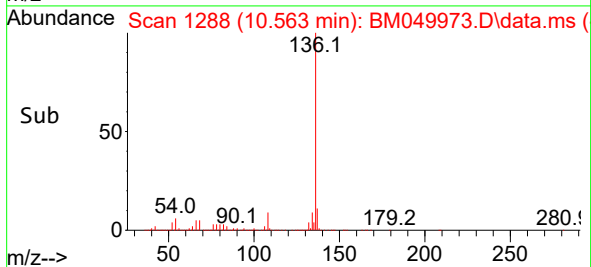
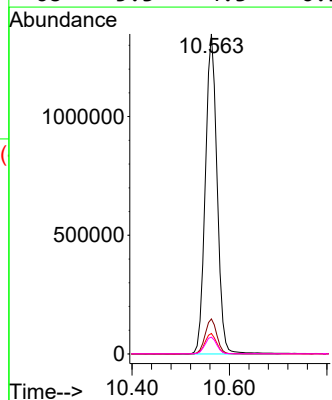
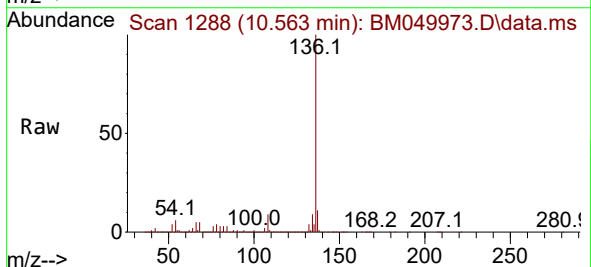
Instrument :
BNA_M
ClientSampleId :
LP5729

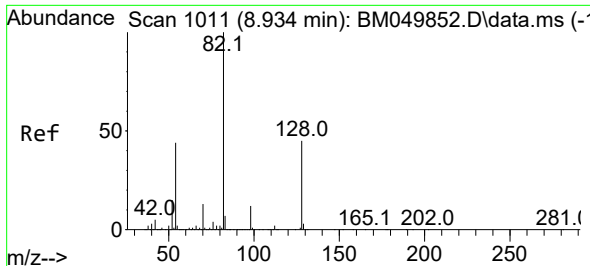
Tgt Ion: 99 Resp: 807836
Ion Ratio Lower Upper
99 100
42 16.1 12.1 18.1
71 31.9 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1288
Delta R.T. -0.012 min
Lab File: BM049973.D
Acq: 18 Apr 2025 19:43

Tgt Ion: 136 Resp: 2248780
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 6.4 5.3 7.9
68 5.3 4.3 6.5

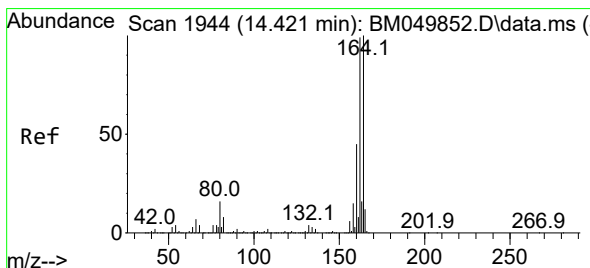
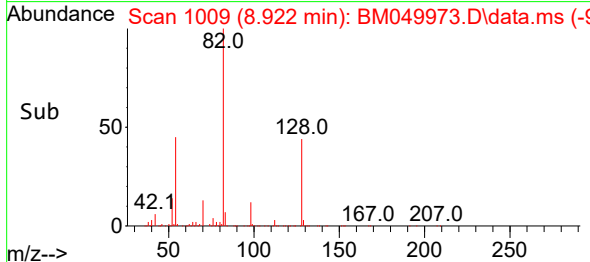
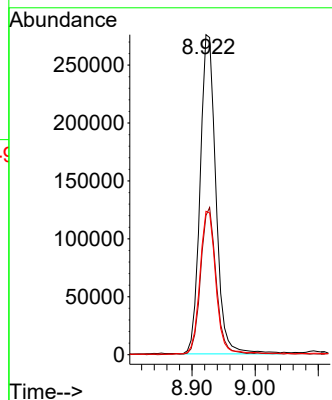
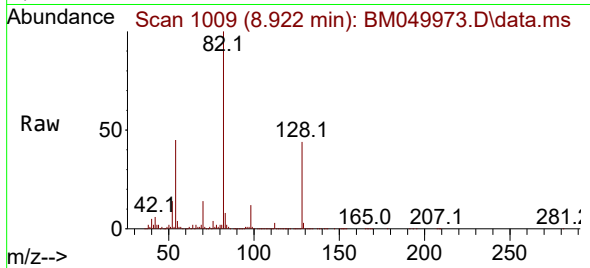




#23
 Nitrobenzene-d5
 Concen: 11.858 ng
 RT: 8.922 min Scan# 1009
 Delta R.T. -0.012 min
 Lab File: BM049973.D
 Acq: 18 Apr 2025 19:43

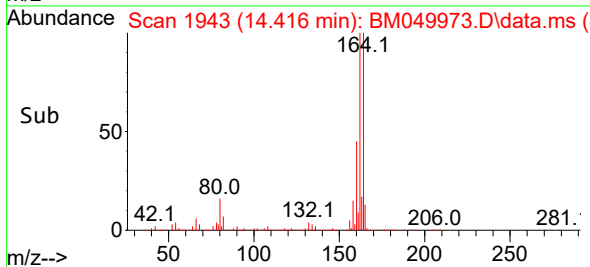
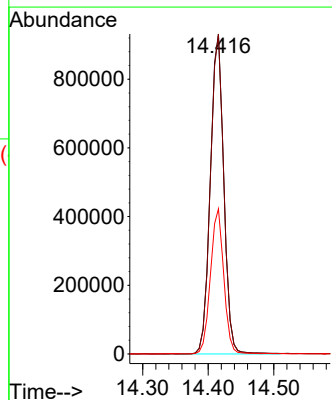
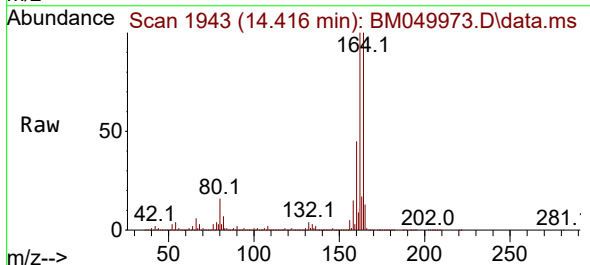
Instrument :
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 ClientSampleId :
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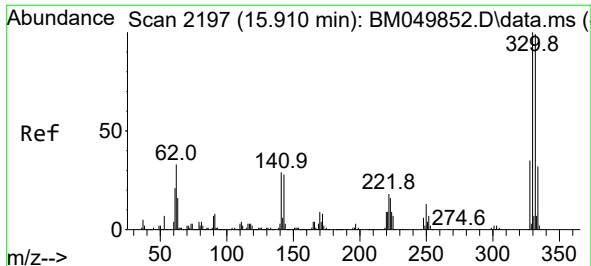
Tgt Ion: 82 Resp: 478862
 Ion Ratio Lower Upper
 82 100
 128 43.5 36.2 54.2
 54 44.8 35.0 52.6



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.416 min Scan# 1943
 Delta R.T. -0.006 min
 Lab File: BM049973.D
 Acq: 18 Apr 2025 19:43

Tgt Ion: 164 Resp: 1329903
 Ion Ratio Lower Upper
 164 100
 162 100.0 79.4 119.0
 160 45.3 36.2 54.2

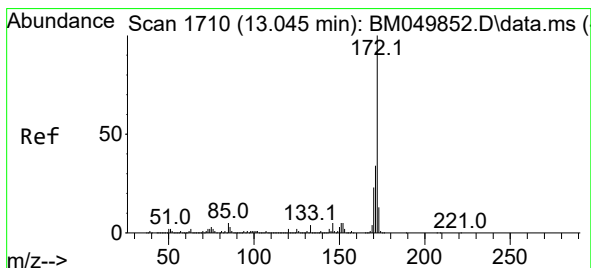
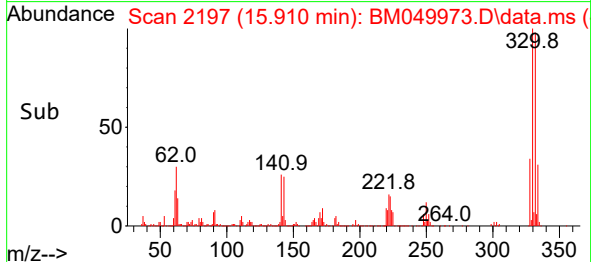
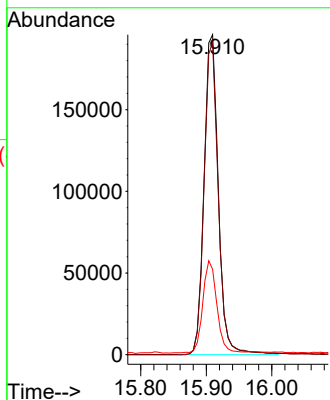
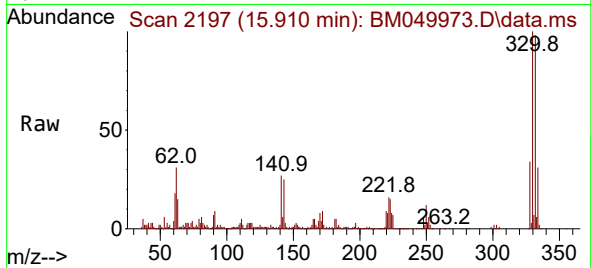




#42
2,4,6-Tribromophenol
Concen: 15.386 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BM049973.D
Acq: 18 Apr 2025 19:43

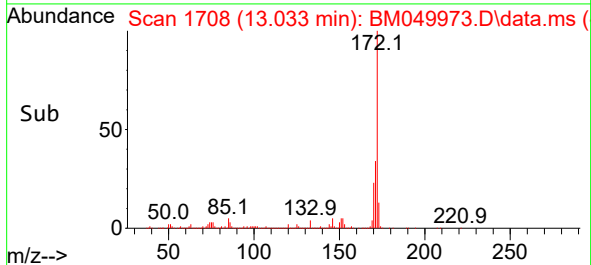
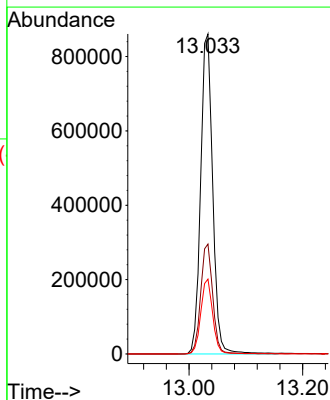
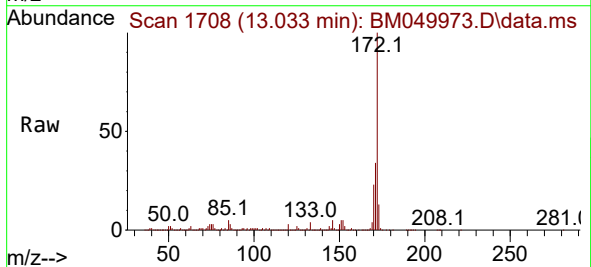
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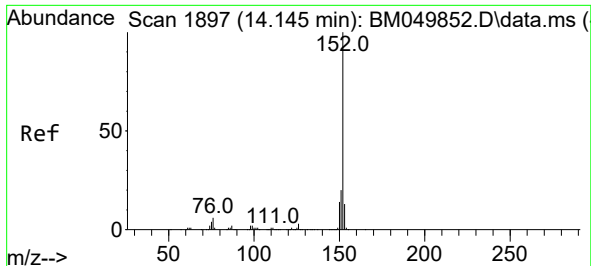
Tgt Ion:330 Resp: 297619
Ion Ratio Lower Upper
330 100
332 96.9 78.0 117.0
141 28.5 23.5 35.3



#45
2-Fluorobiphenyl
Concen: 12.924 ng
RT: 13.033 min Scan# 1708
Delta R.T. -0.012 min
Lab File: BM049973.D
Acq: 18 Apr 2025 19:43

Tgt Ion:172 Resp: 1267498
Ion Ratio Lower Upper
172 100
171 34.4 27.4 41.2
170 23.4 18.6 28.0

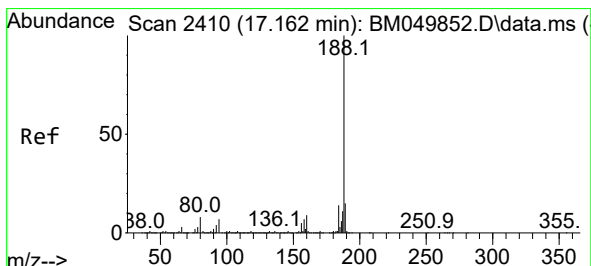
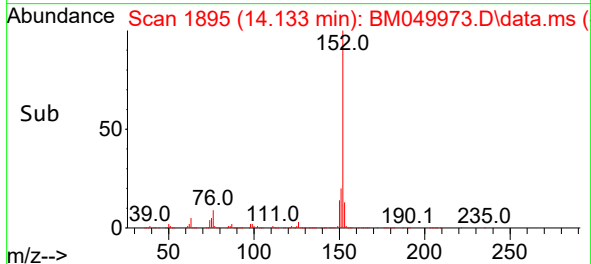
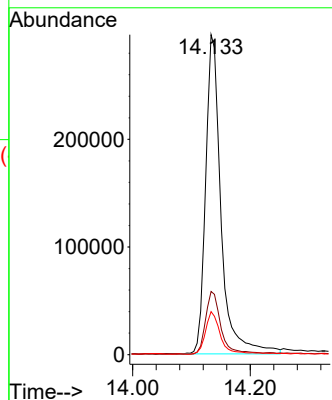
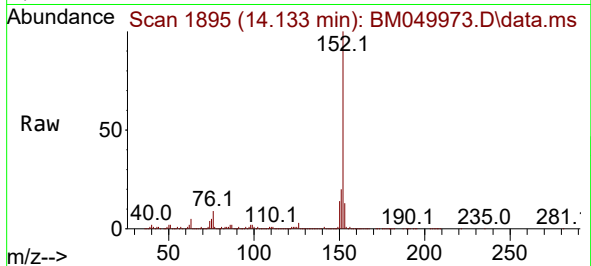




#49
Acenaphthylene
Concen: 4.765 ng
RT: 14.133 min Scan# 1895
Delta R.T. -0.012 min
Lab File: BM049973.D
Acq: 18 Apr 2025 19:43

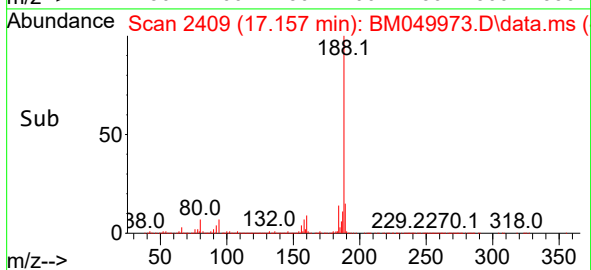
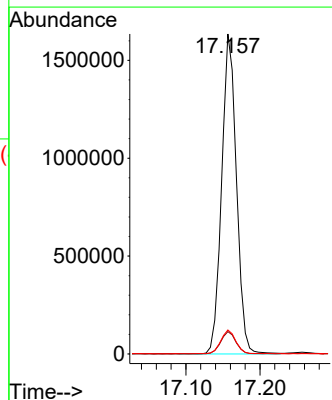
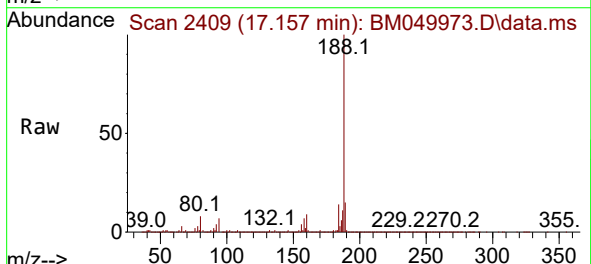
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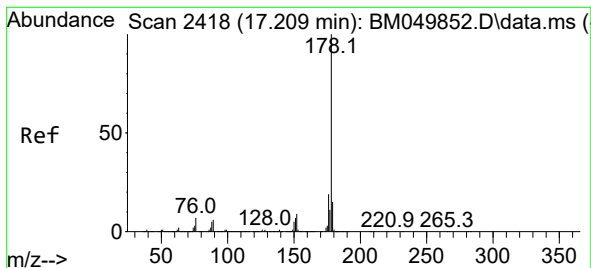
Tgt Ion:152 Resp: 539284
Ion Ratio Lower Upper
152 100
151 19.8 15.7 23.5
153 13.5 10.4 15.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2409
Delta R.T. -0.006 min
Lab File: BM049973.D
Acq: 18 Apr 2025 19:43

Tgt Ion:188 Resp: 2260737
Ion Ratio Lower Upper
188 100
94 7.0 5.8 8.6
80 7.5 6.4 9.6





#71

Phenanthrene

Concen: 4.298 ng

RT: 17.198 min Scan# 2418

Delta R.T. -0.012 min

Lab File: BM049973.D

Acq: 18 Apr 2025 19:43

Instrument :

BNA_M

ClientSampleId :

LP5729

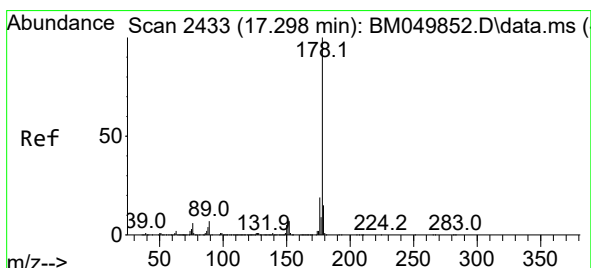
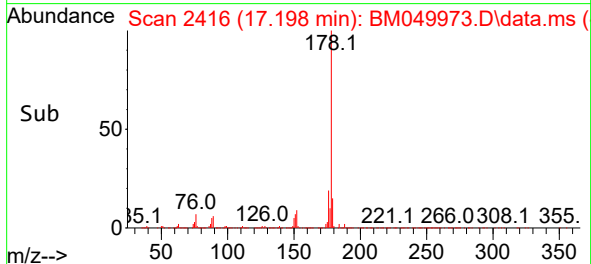
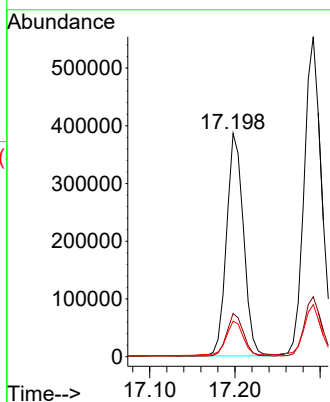
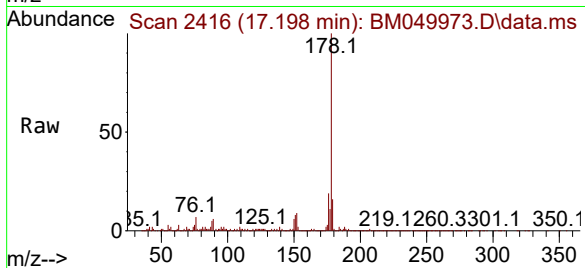
Tgt Ion:178 Resp: 532697

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.2

179 15.9 12.3 18.5



#72

Anthracene

Concen: 6.452 ng

RT: 17.292 min Scan# 2432

Delta R.T. -0.006 min

Lab File: BM049973.D

Acq: 18 Apr 2025 19:43

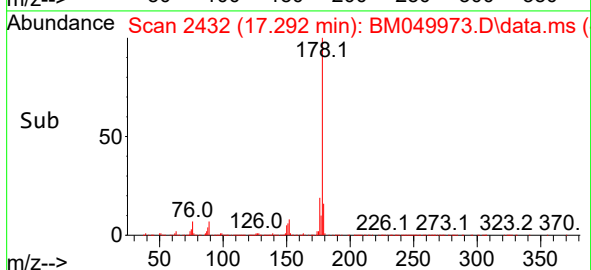
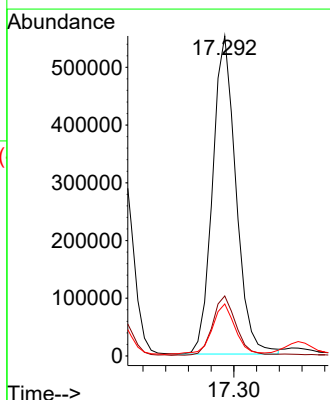
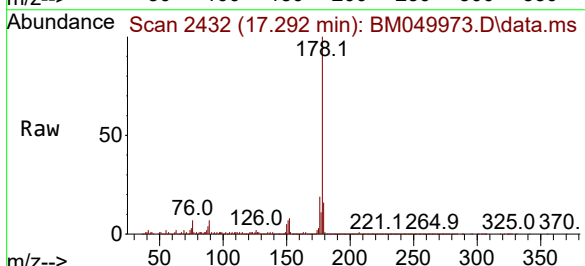
Tgt Ion:178 Resp: 788088

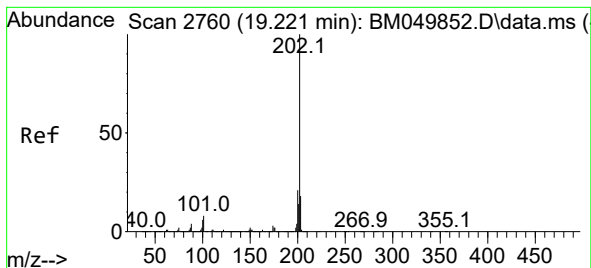
Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

179 16.2 12.4 18.6





#75

Fluoranthene

Concen: 20.353 ng

RT: 19.221 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM049973.D

Acq: 18 Apr 2025 19:43

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ClientSampleId :

LP5729

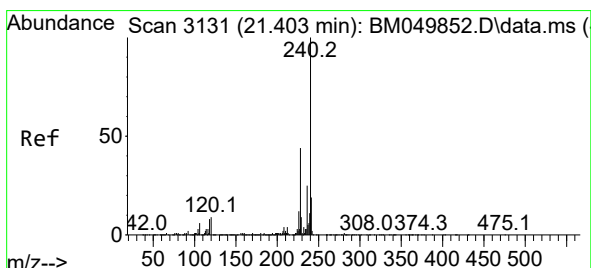
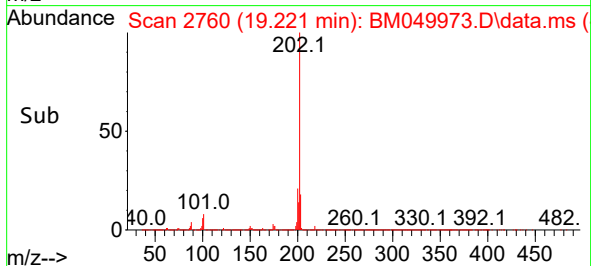
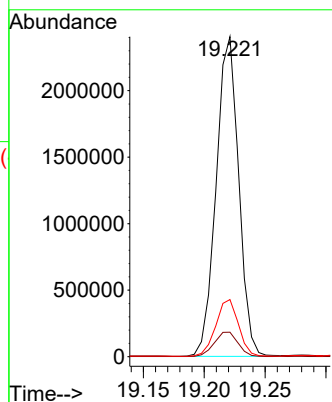
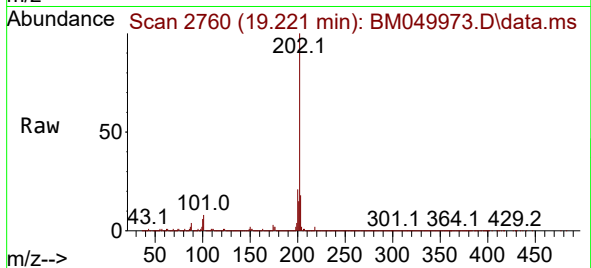
Tgt Ion:202 Resp: 3101699

Ion Ratio Lower Upper

202 100

101 7.7 0.0 28.4

203 17.9 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.398 min Scan# 3130

Delta R.T. -0.006 min

Lab File: BM049973.D

Acq: 18 Apr 2025 19:43

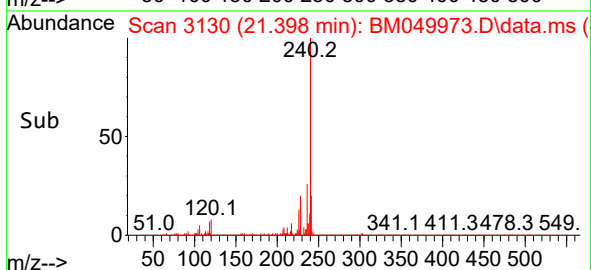
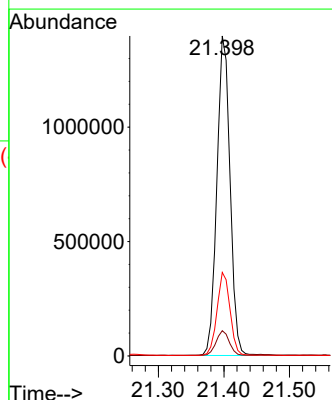
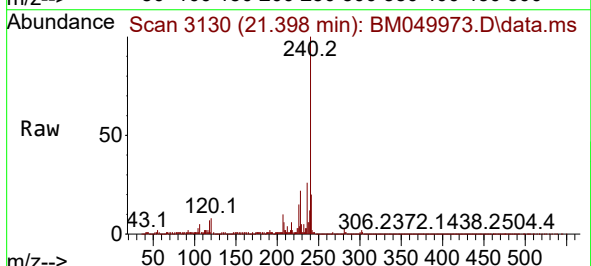
Tgt Ion:240 Resp: 1941299

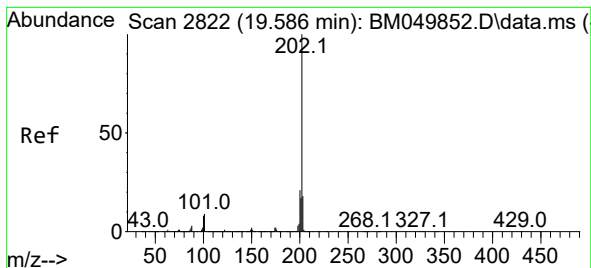
Ion Ratio Lower Upper

240 100

120 7.9 6.9 10.3

236 26.1 20.4 30.6





#78

Pyrene

Concen: 21.579 ng

RT: 19.580 min Scan# 2822

Delta R.T. -0.006 min

Lab File: BM049973.D

Acq: 18 Apr 2025 19:43

Instrument :

BNA_M

ClientSampleId :

LP5729

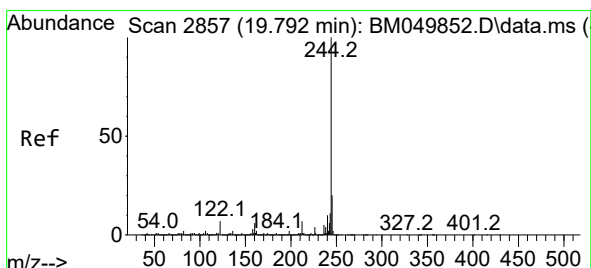
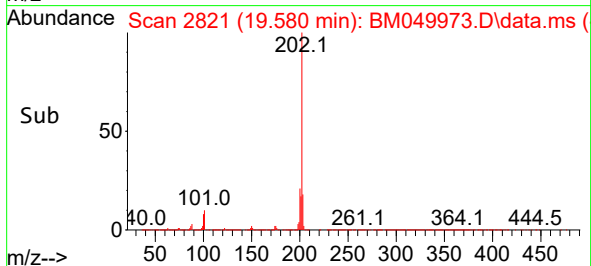
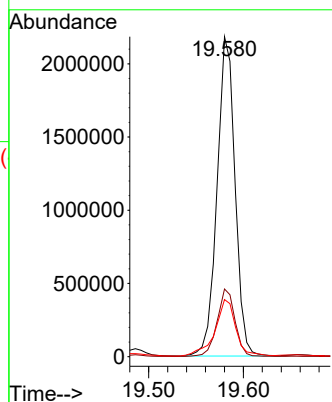
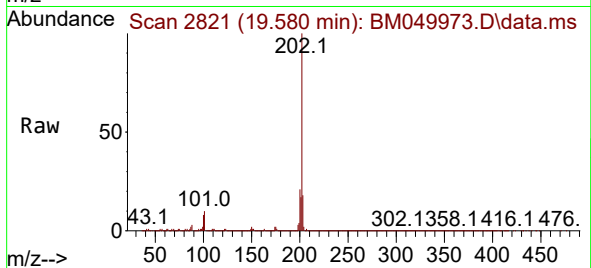
Tgt Ion:202 Resp: 2887090

Ion Ratio Lower Upper

202 100

200 21.2 16.5 24.7

203 17.9 14.0 21.0



#79

Terphenyl-d14

Concen: 12.238 ng

RT: 19.780 min Scan# 2855

Delta R.T. -0.012 min

Lab File: BM049973.D

Acq: 18 Apr 2025 19:43

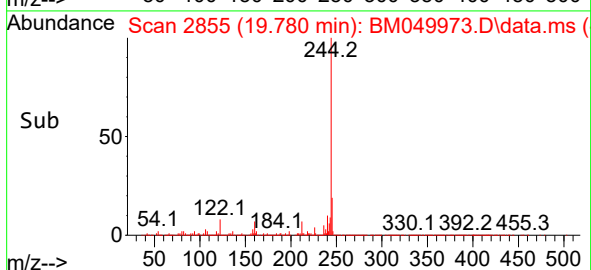
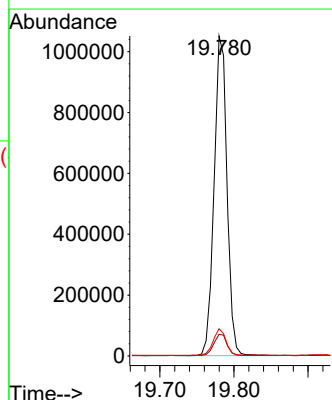
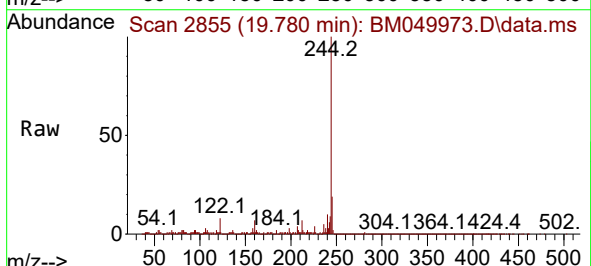
Tgt Ion:244 Resp: 1267750

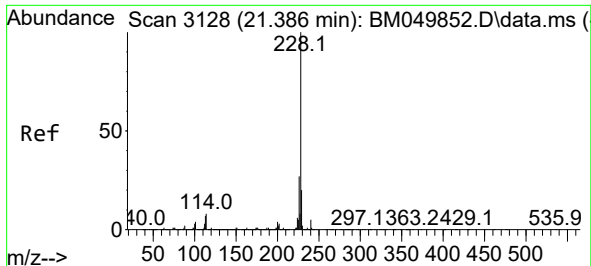
Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

122 8.5 5.4 8.0#

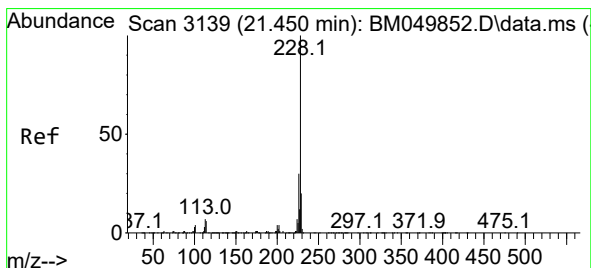
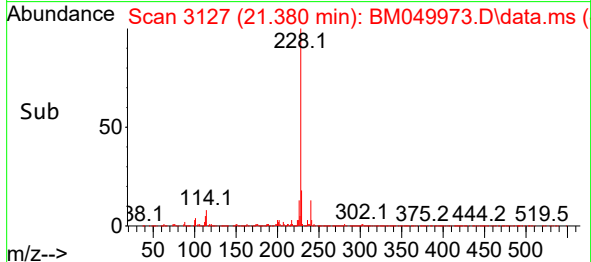
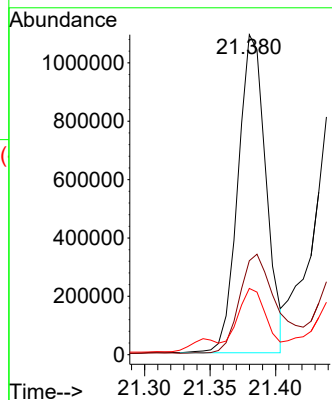
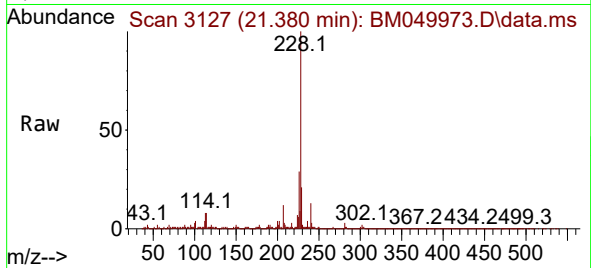




#81
Benzo(a)anthracene
Concen: 12.584 ng
RT: 21.380 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM049973.D
Acq: 18 Apr 2025 19:43

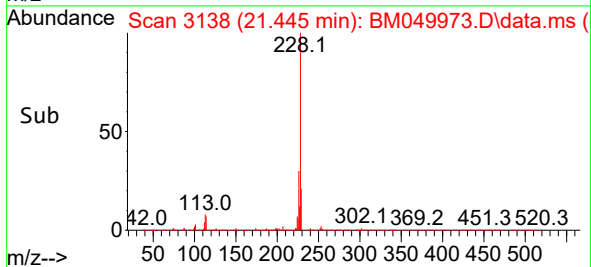
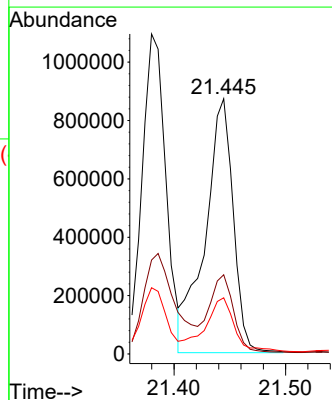
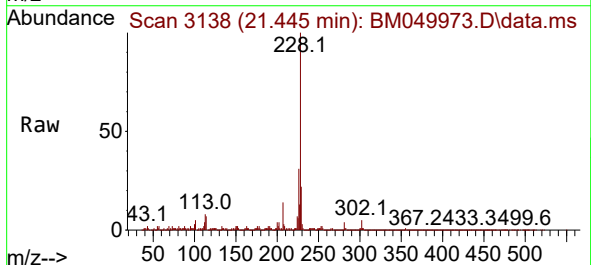
Instrument :
BNA_M
ClientSampleId :
LP5729

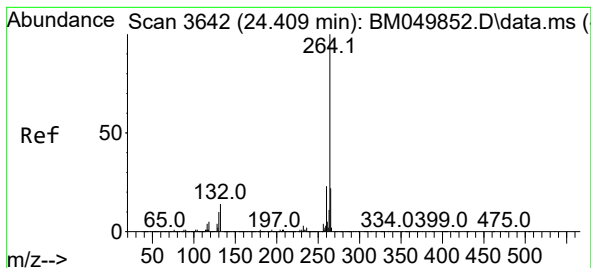
Tgt Ion:228 Resp: 1623625
Ion Ratio Lower Upper
228 100
226 29.4 21.8 32.8
229 20.7 15.8 23.8



#83
Chrysene
Concen: 12.434 ng m
RT: 21.445 min Scan# 3138
Delta R.T. -0.006 min
Lab File: BM049973.D
Acq: 18 Apr 2025 19:43

Tgt Ion:228 Resp: 1525178
Ion Ratio Lower Upper
228 100
226 31.0 24.1 36.1
229 22.0 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.409 min Scan# 3

Delta R.T. 0.000 min

Lab File: BM049973.D

Acq: 18 Apr 2025 19:43

Instrument :

BNA_M

ClientSampleId :

LP5729

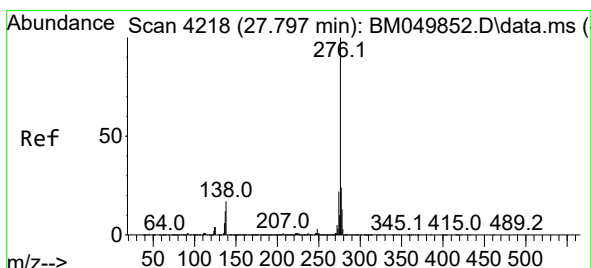
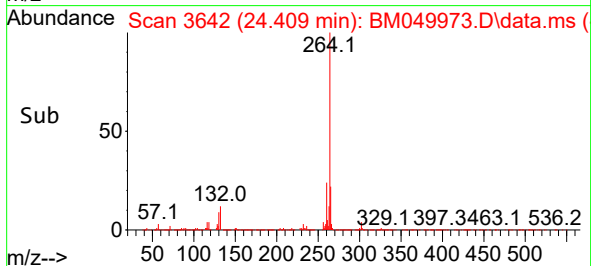
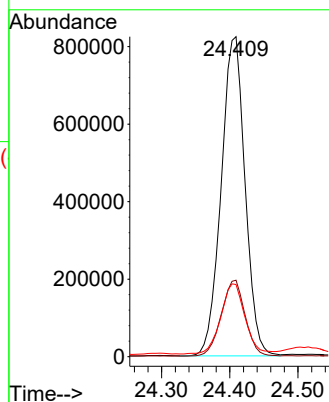
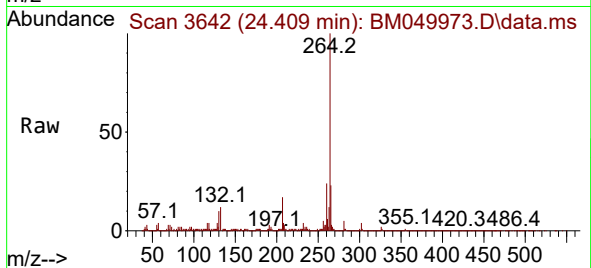
Tgt Ion:264 Resp: 2008845

Ion Ratio Lower Upper

264 100

260 23.9 18.6 28.0

265 22.6 17.8 26.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.949 ng

RT: 27.797 min Scan# 4218

Delta R.T. 0.000 min

Lab File: BM049973.D

Acq: 18 Apr 2025 19:43

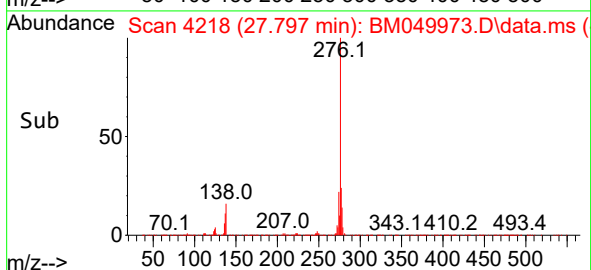
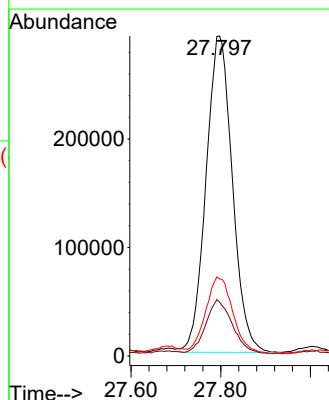
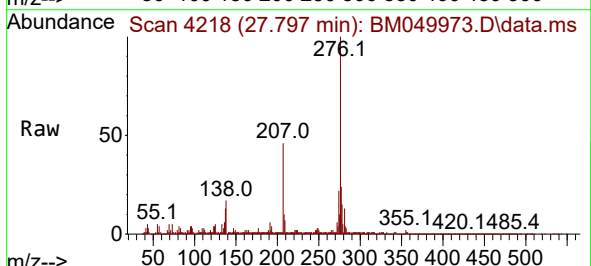
Tgt Ion:276 Resp: 1190323

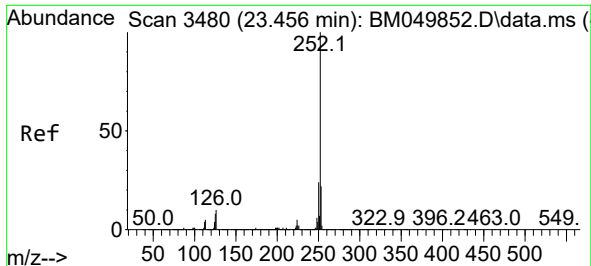
Ion Ratio Lower Upper

276 100

138 17.1 16.8 25.2

277 25.0 20.1 30.1

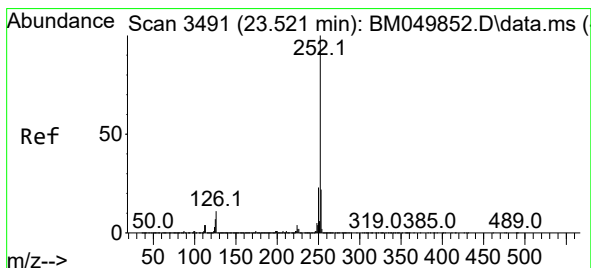
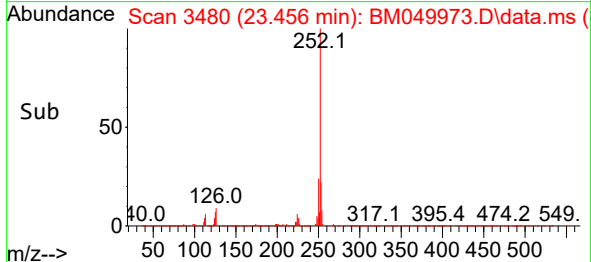
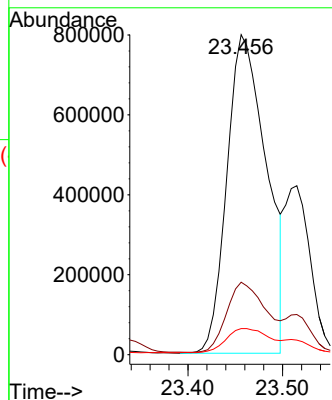
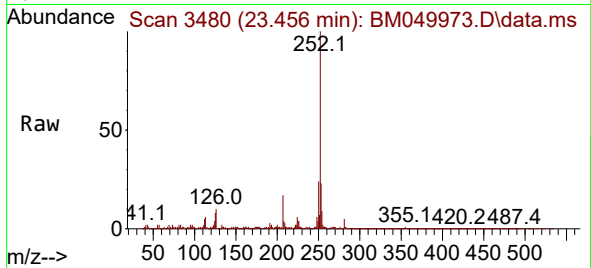




#88
Benzo(b)fluoranthene
Concen: 18.003 ng
RT: 23.456 min Scan# 3480
Delta R.T. 0.000 min
Lab File: BM049973.D
Acq: 18 Apr 2025 19:43

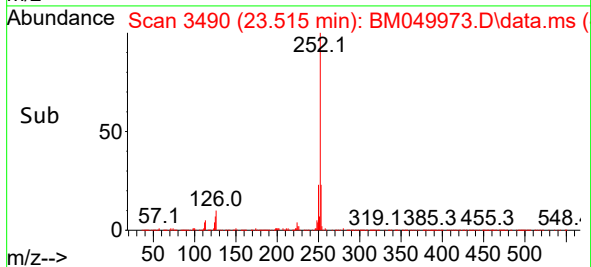
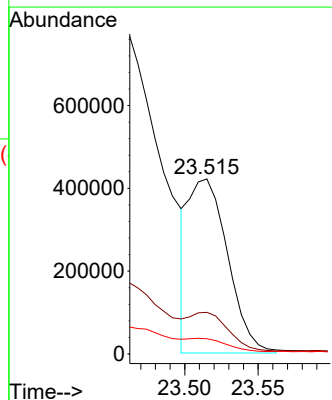
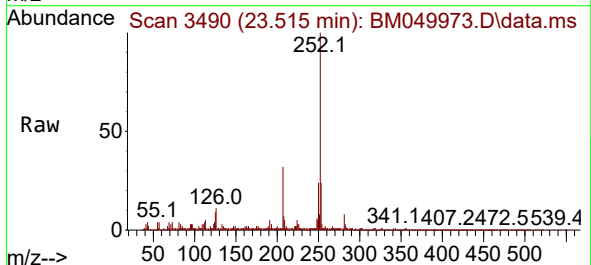
Instrument :
BNA_M
ClientSampleId :
LP5729

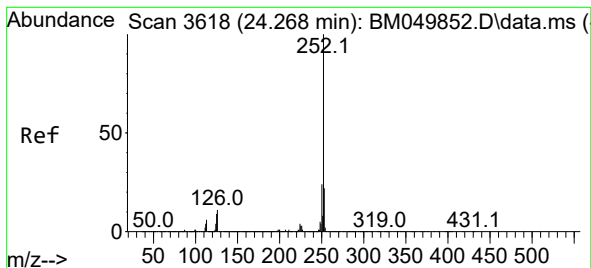
Tgt Ion:252 Resp: 2309782
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 8.2 6.2 9.4



#89
Benzo(k)fluoranthene
Concen: 6.283 ng m
RT: 23.515 min Scan# 3490
Delta R.T. -0.006 min
Lab File: BM049973.D
Acq: 18 Apr 2025 19:43

Tgt Ion:252 Resp: 781117
Ion Ratio Lower Upper
252 100
253 23.8 17.4 26.2
125 8.7 5.8 8.8





#90

Benzo(a)pyrene

Concen: 13.692 ng

RT: 24.262 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM049973.D

Acq: 18 Apr 2025 19:43

Instrument :

BNA_M

ClientSampleId :

LP5729

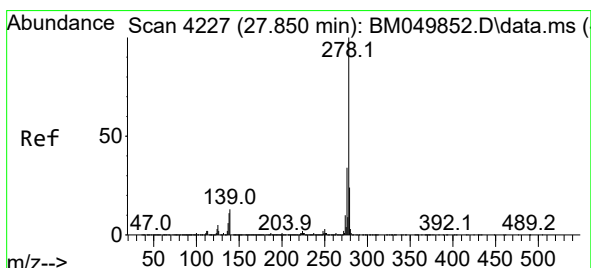
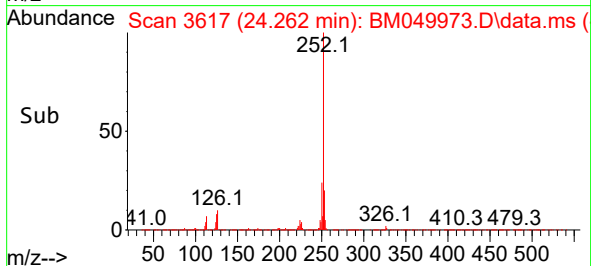
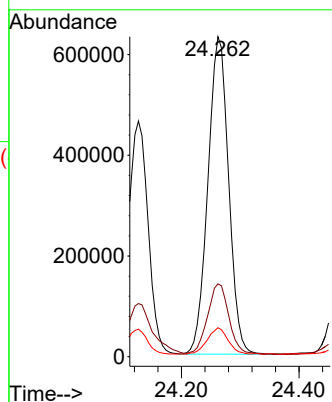
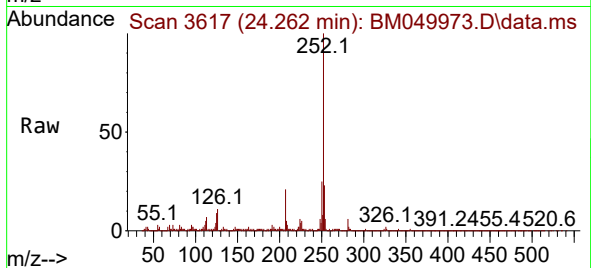
Tgt Ion:252 Resp: 1543619

Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.8

125 9.1 7.0 10.4



#91

Dibenzo(a,h)anthracene

Concen: 2.452 ng

RT: 27.827 min Scan# 4223

Delta R.T. -0.023 min

Lab File: BM049973.D

Acq: 18 Apr 2025 19:43

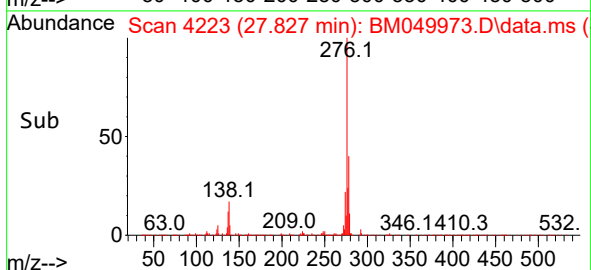
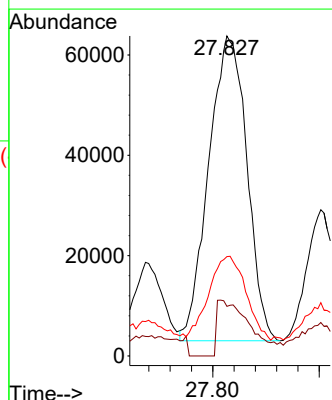
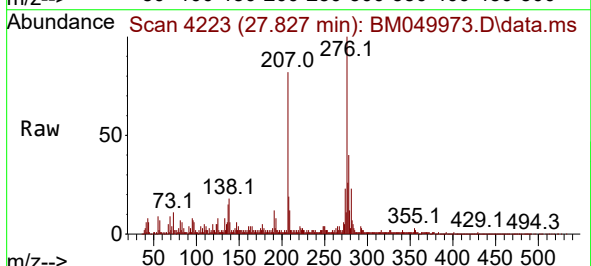
Tgt Ion:278 Resp: 302428

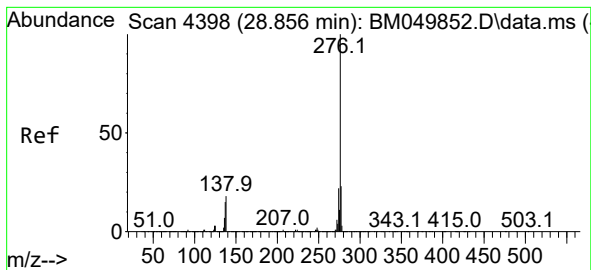
Ion Ratio Lower Upper

278 100

139 15.5 10.6 15.8

279 31.0 19.1 28.7#





#92
 Benzo(g,h,i)perylene
 Concen: 9.075 ng
 RT: 28.856 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: BM049973.D
 Acq: 18 Apr 2025 19:43

Instrument :
 BNA_M
 ClientSampleId :
 LP5729

Tgt Ion:276 Resp: 1143831
 Ion Ratio Lower Upper
 276 100
 277 23.8 18.7 28.1
 138 18.4 14.6 21.8

