

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
 Data File : BM049969.D
 Acq On : 18 Apr 2025 17:06
 Operator : RC/JU
 Sample : Q1828-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RT5417

Quant Time: Apr 18 17:42:48 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)

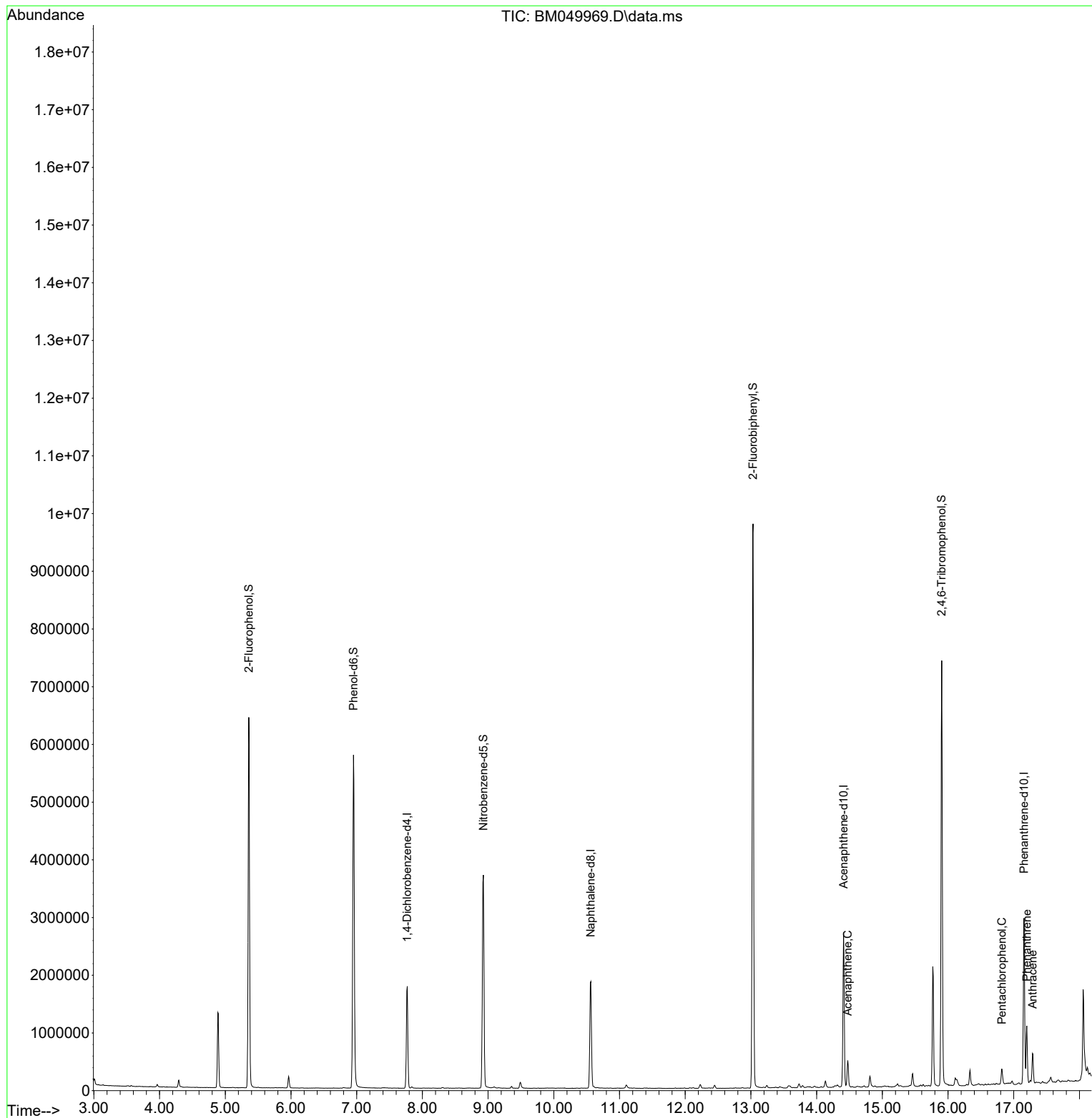
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	519822	20.000	ng	-0.01
21) Naphthalene-d8	10.563	136	1652693	20.000	ng	-0.01
39) Acenaphthene-d10	14.410	164	956697	20.000	ng	-0.01
64) Phenanthrene-d10	17.157	188	1723346	20.000	ng	0.00
76) Chrysene-d12	21.392	240	1615329	20.000	ng	-0.01
86) Perylene-d12	24.391	264	1729872	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	2950453	96.381	ng	0.00
7) Phenol-d6	6.951	99	3658695	96.060	ng	0.00
23) Nitrobenzene-d5	8.928	82	2232153	75.209	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	1562590	112.291	ng	0.00
45) 2-Fluorobiphenyl	13.033	172	5590267	79.236	ng	-0.01
79) Terphenyl-d14	19.780	244	7192958	83.450	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	14.474	154	168756	3.258	ng	97
70) Pentachlorophenol	16.821	266	53323	3.156	ng	99
71) Phenanthrene	17.198	178	593103	6.278	ng	99
72) Anthracene	17.286	178	352526	3.786	ng	99
75) Fluoranthene	19.215	202	1315356	11.323	ng	99
78) Pyrene	19.580	202	1106400	9.938	ng	99
81) Benzo(a)anthracene	21.374	228	586205	5.460	ng	98
83) Chrysene	21.439	228	703972m	6.897	ng	
87) Indeno(1,2,3-cd)pyrene	27.779	276	412340	3.198	ng	97
88) Benzo(b)fluoranthene	23.450	252	866354	7.842	ng	99
89) Benzo(k)fluoranthene	23.503	252	346783m	3.239	ng	
90) Benzo(a)pyrene	24.250	252	548646	5.651	ng	97
92) Benzo(g,h,i)perylene	28.838	276	403067	3.714	ng	98

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

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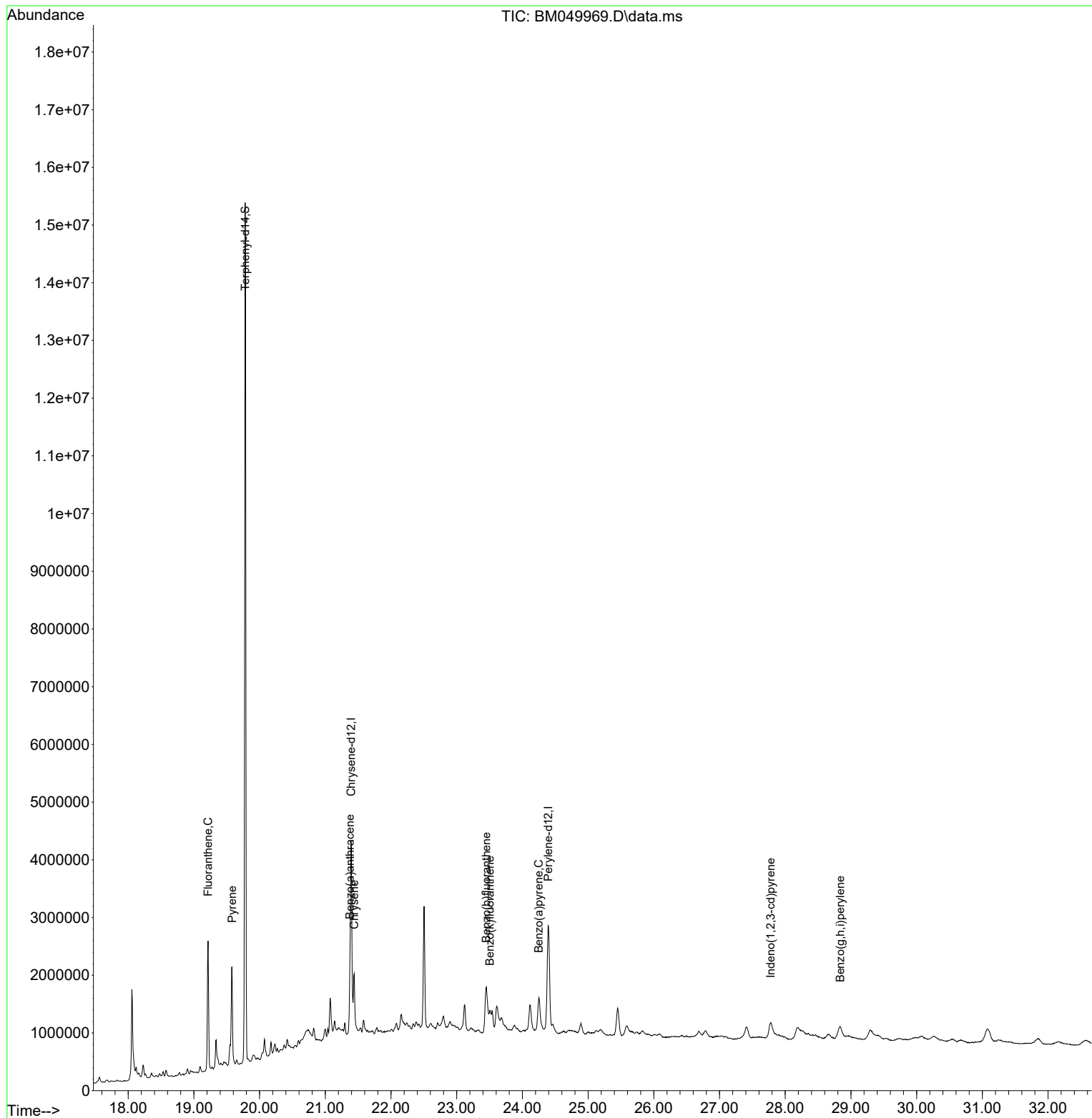
Quant Time: Apr 18 17:42:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

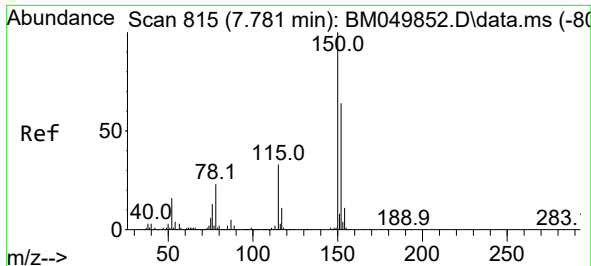


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049969.D
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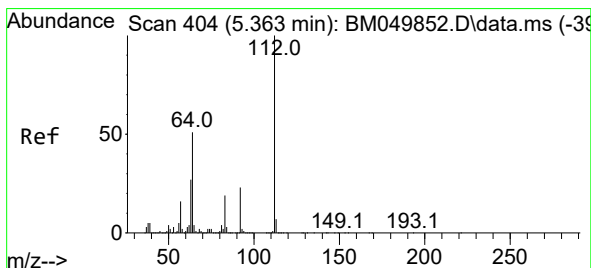
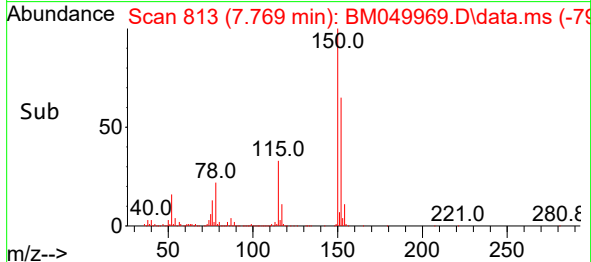
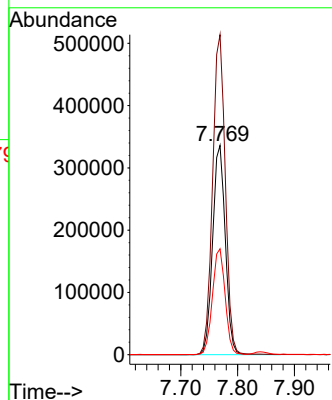
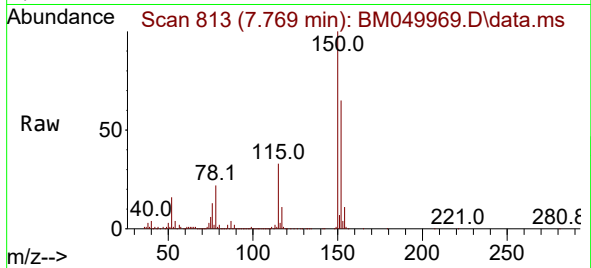




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 815
Delta R.T. -0.012 min
Lab File: BM049969.D
Acq: 18 Apr 2025 17:06

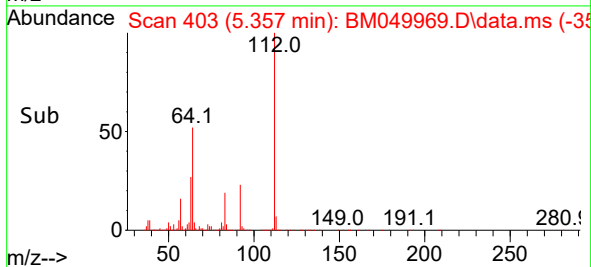
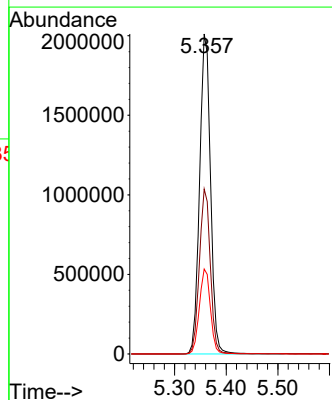
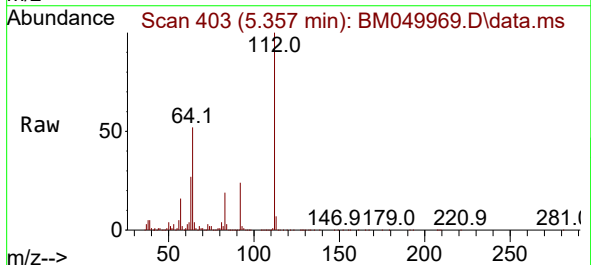
Instrument :
BNA_M
ClientSampleId :
RT5417

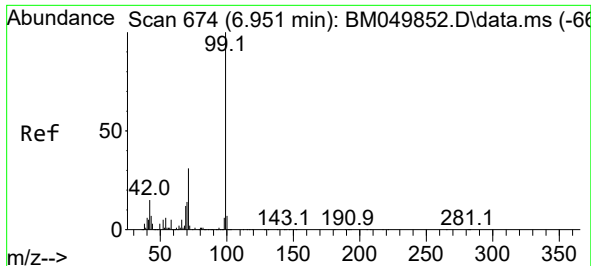
Tgt Ion:152 Resp: 519822
Ion Ratio Lower Upper
152 100
150 153.0 124.3 186.5
115 50.6 41.1 61.7



#5
2-Fluorophenol
Concen: 96.381 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM049969.D
Acq: 18 Apr 2025 17:06

Tgt Ion:112 Resp: 2950453
Ion Ratio Lower Upper
112 100
64 51.6 41.0 61.6
63 26.6 21.5 32.3

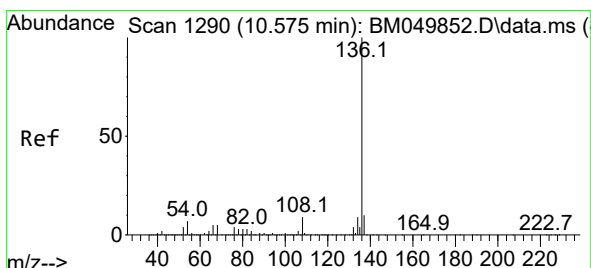
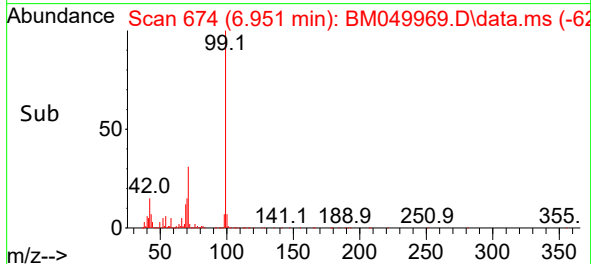
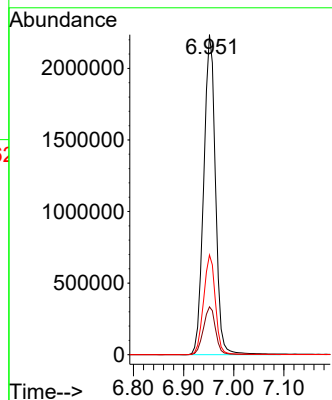
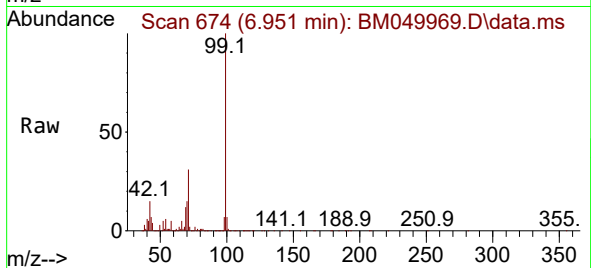




#7
Phenol-d6
Concen: 96.060 ng
RT: 6.951 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM049969.D
Acq: 18 Apr 2025 17:06

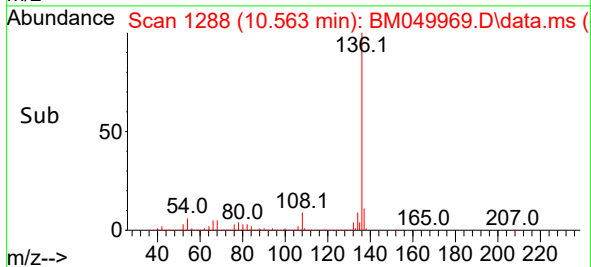
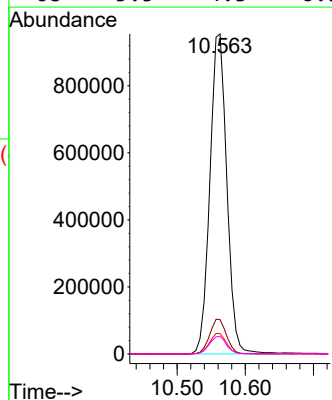
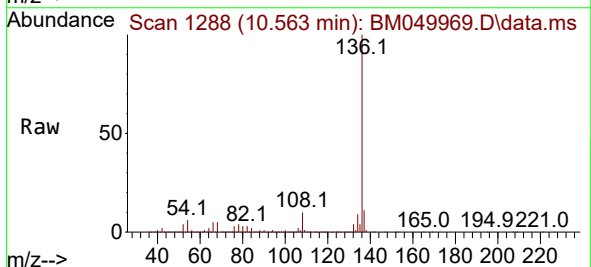
Instrument :
BNA_M
ClientSampleId :
RT5417

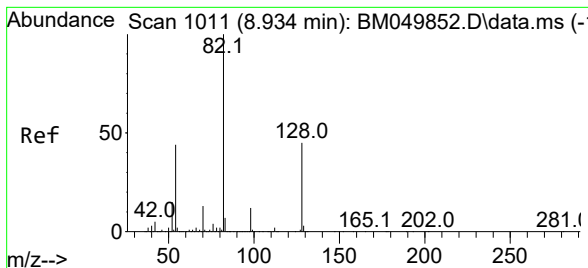
Tgt Ion: 99 Resp: 3658695
Ion Ratio Lower Upper
99 100
42 14.9 12.1 18.1
71 31.2 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1288
Delta R.T. -0.012 min
Lab File: BM049969.D
Acq: 18 Apr 2025 17:06

Tgt Ion:136 Resp: 1652693
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 6.4 5.3 7.9
68 5.5 4.3 6.5

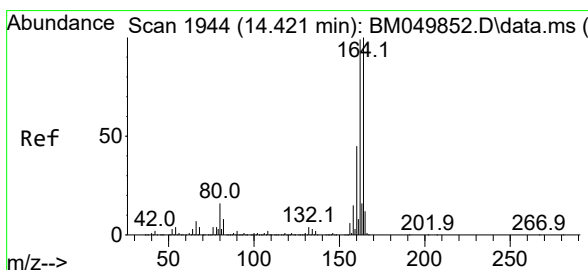
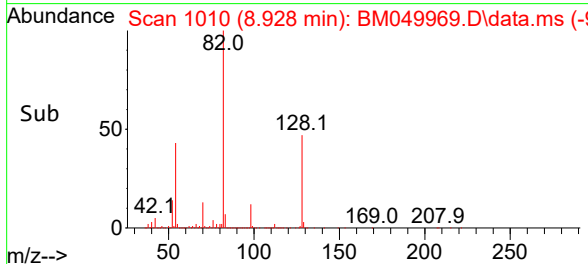
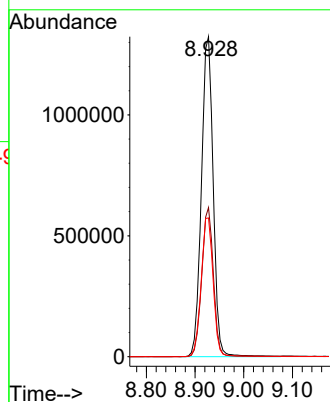
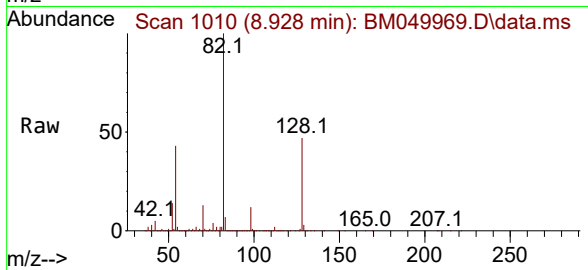




#23
 Nitrobenzene-d5
 Concen: 75.209 ng
 RT: 8.928 min Scan# 1010
 Delta R.T. -0.006 min
 Lab File: BM049969.D
 Acq: 18 Apr 2025 17:06

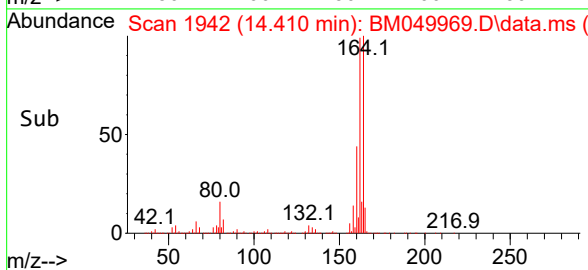
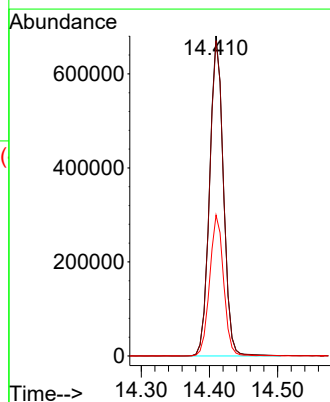
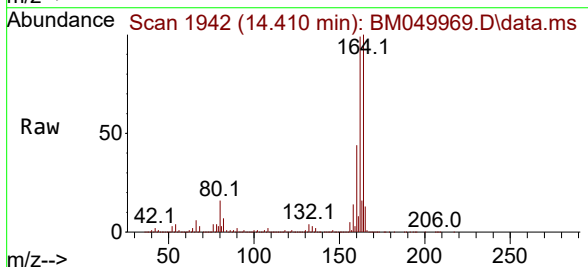
Instrument :
 BNA_M
 ClientSampleId :
 RT5417

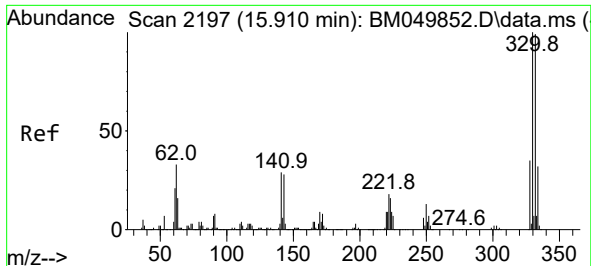
Tgt Ion: 82 Resp: 2232153
 Ion Ratio Lower Upper
 82 100
 128 46.6 36.2 54.2
 54 43.4 35.0 52.6



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.410 min Scan# 1942
 Delta R.T. -0.012 min
 Lab File: BM049969.D
 Acq: 18 Apr 2025 17:06

Tgt Ion: 164 Resp: 956697
 Ion Ratio Lower Upper
 164 100
 162 98.6 79.4 119.0
 160 44.0 36.2 54.2

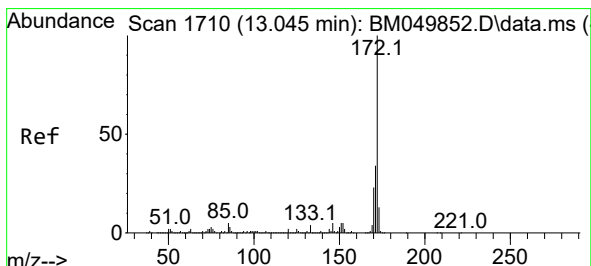
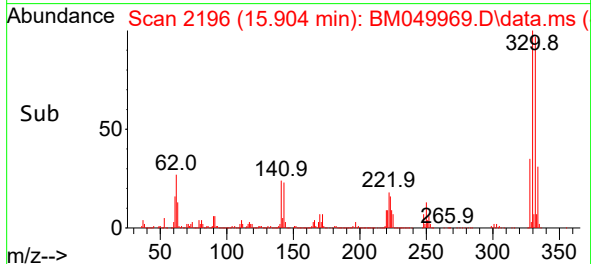
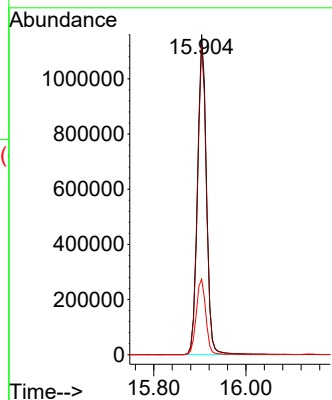
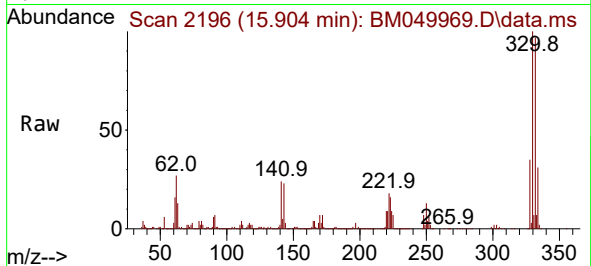




#42
2,4,6-Tribromophenol
Concen: 112.291 ng
RT: 15.904 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BM049969.D
Acq: 18 Apr 2025 17:06

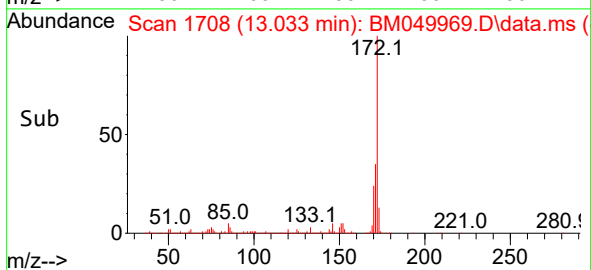
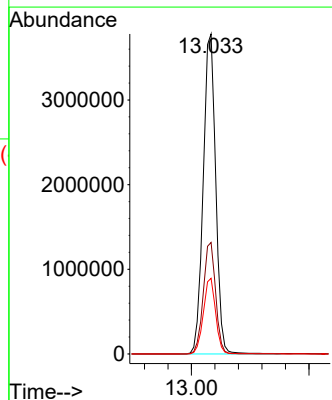
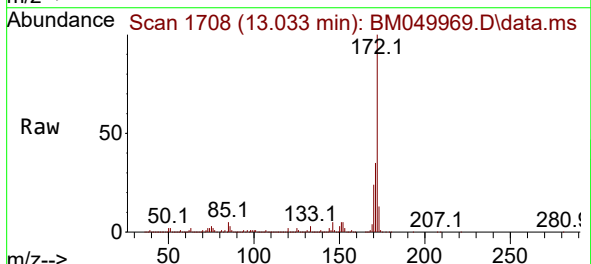
Instrument :
BNA_M
ClientSampleId :
RT5417

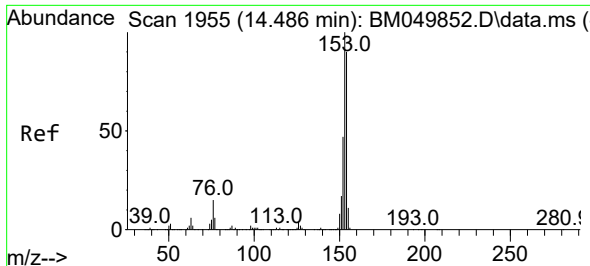
Tgt Ion:330 Resp: 1562590
Ion Ratio Lower Upper
330 100
332 96.7 78.0 117.0
141 25.1 23.5 35.3



#45
2-Fluorobiphenyl
Concen: 79.236 ng
RT: 13.033 min Scan# 1708
Delta R.T. -0.012 min
Lab File: BM049969.D
Acq: 18 Apr 2025 17:06

Tgt Ion:172 Resp: 5590267
Ion Ratio Lower Upper
172 100
171 34.8 27.4 41.2
170 23.6 18.6 28.0

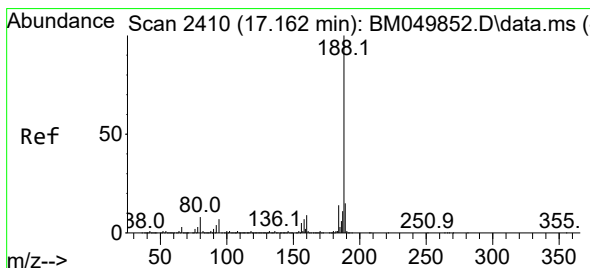
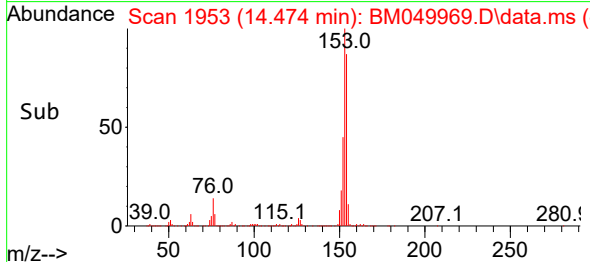
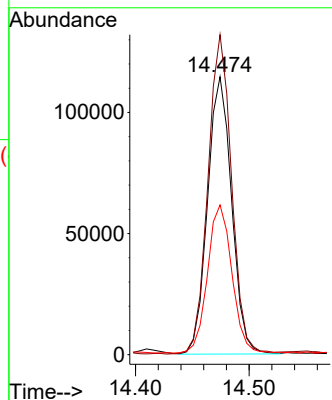
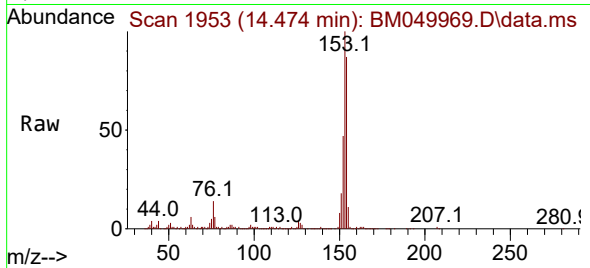




#52
Acenaphthene
Concen: 3.258 ng
RT: 14.474 min Scan# 1953
Delta R.T. -0.012 min
Lab File: BM049969.D
Acq: 18 Apr 2025 17:06

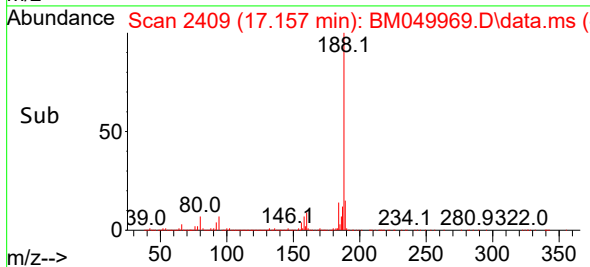
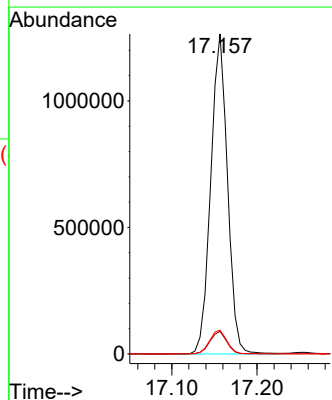
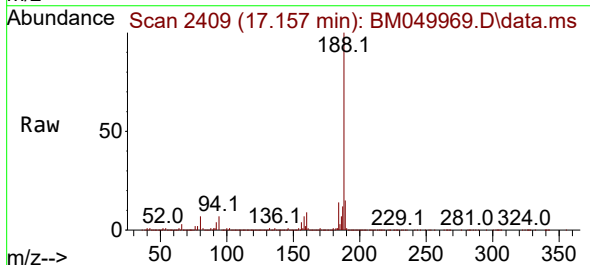
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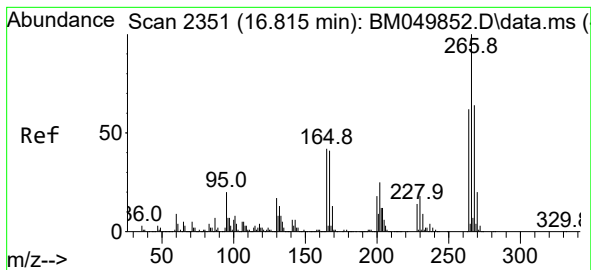
Tgt Ion:154 Resp: 168756
Ion Ratio Lower Upper
154 100
153 115.1 89.3 133.9
152 53.9 42.2 63.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2409
Delta R.T. -0.006 min
Lab File: BM049969.D
Acq: 18 Apr 2025 17:06

Tgt Ion:188 Resp: 1723346
Ion Ratio Lower Upper
188 100
94 7.0 5.8 8.6
80 7.4 6.4 9.6





#70

Pentachlorophenol

Concen: 3.156 ng

RT: 16.821 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM049969.D

Acq: 18 Apr 2025 17:06

Instrument :

BNA_M

ClientSampleId :

RT5417

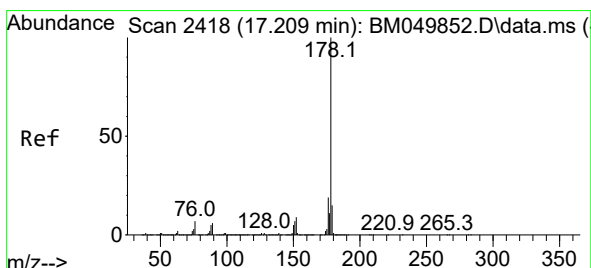
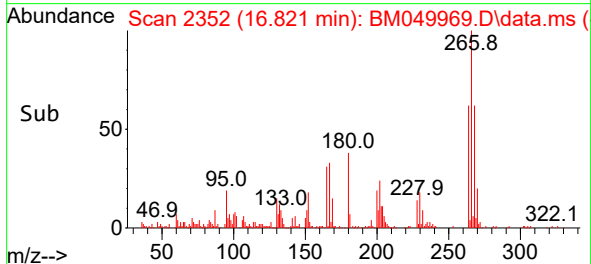
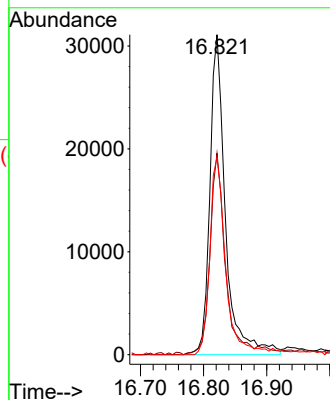
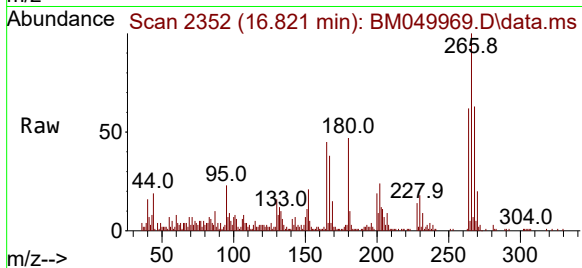
Tgt Ion:266 Resp: 53323

Ion Ratio Lower Upper

266 100

268 62.9 51.4 77.2

264 61.6 49.8 74.8



#71

Phenanthrene

Concen: 6.278 ng

RT: 17.198 min Scan# 2416

Delta R.T. -0.012 min

Lab File: BM049969.D

Acq: 18 Apr 2025 17:06

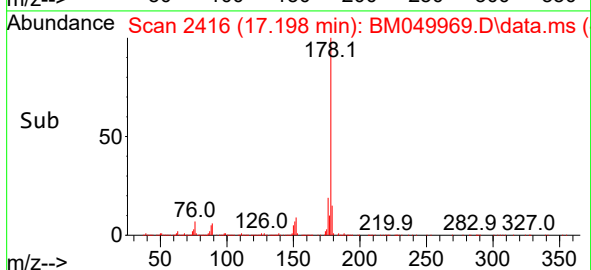
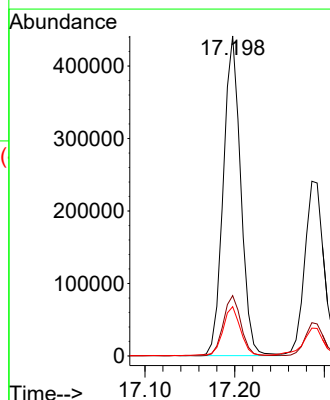
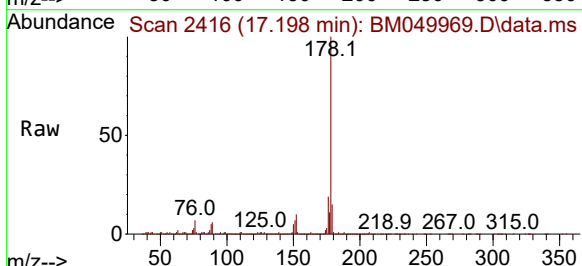
Tgt Ion:178 Resp: 593103

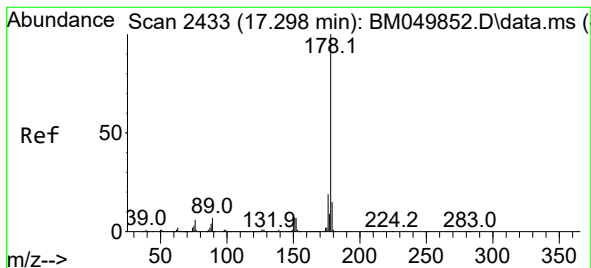
Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.2

179 15.4 12.3 18.5





#72

Anthracene

Concen: 3.786 ng

RT: 17.286 min Scan# 24

Delta R.T. -0.012 min

Lab File: BM049969.D

Acq: 18 Apr 2025 17:06

Instrument :

BNA_M

ClientSampleId :

RT5417

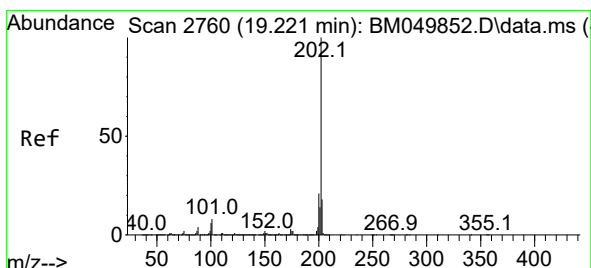
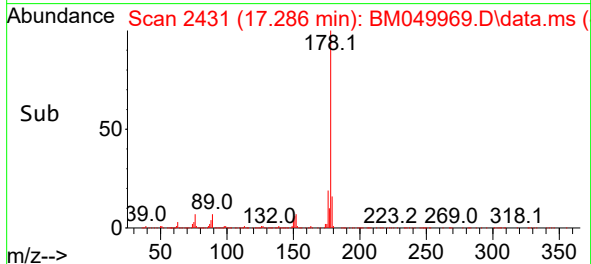
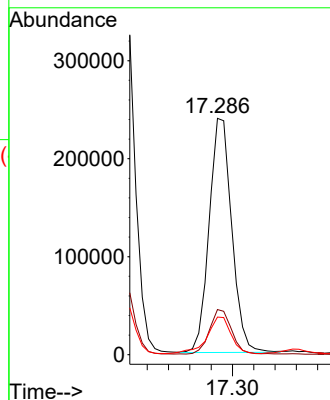
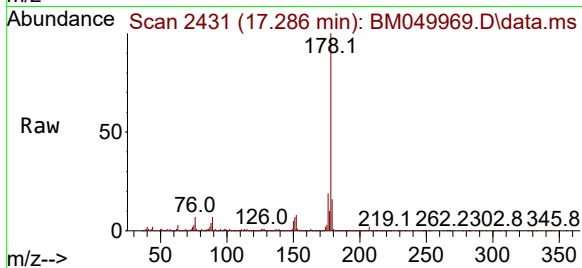
Tgt Ion:178 Resp: 352526

Ion Ratio Lower Upper

178 100

176 19.1 15.1 22.7

179 15.9 12.4 18.6



#75

Fluoranthene

Concen: 11.323 ng

RT: 19.215 min Scan# 2759

Delta R.T. -0.006 min

Lab File: BM049969.D

Acq: 18 Apr 2025 17:06

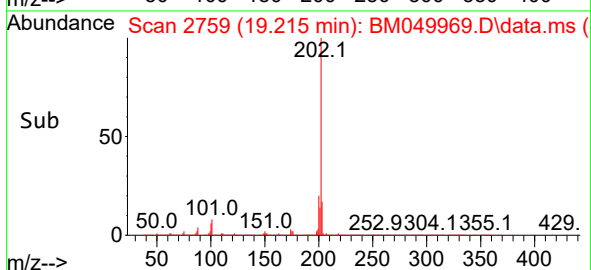
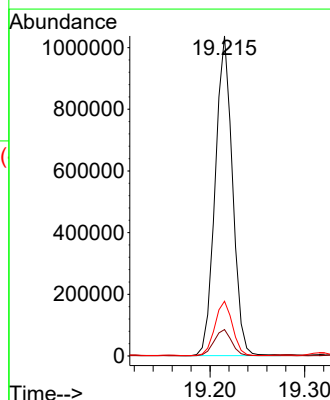
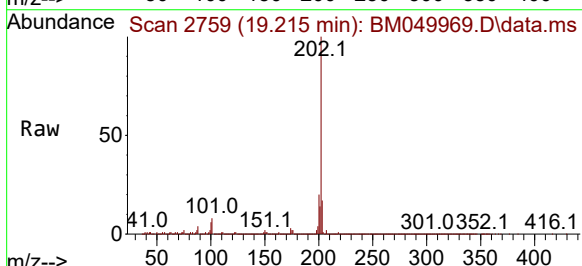
Tgt Ion:202 Resp: 1315356

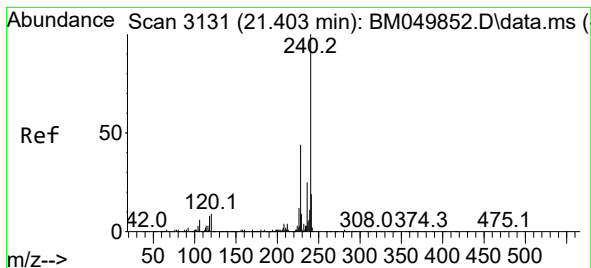
Ion Ratio Lower Upper

202 100

101 8.2 0.0 28.4

203 17.1 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.392 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM049969.D

Acq: 18 Apr 2025 17:06

Instrument :

BNA_M

ClientSampleId :

RT5417

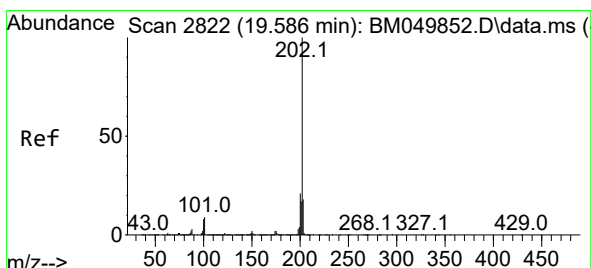
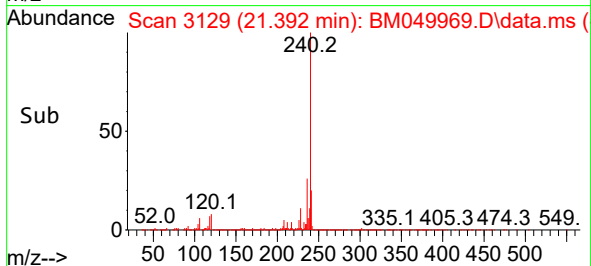
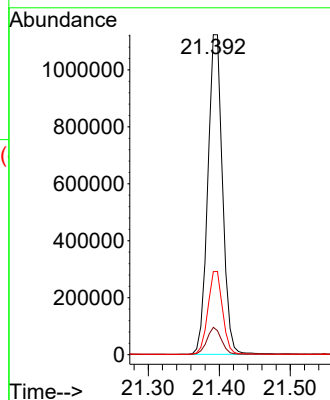
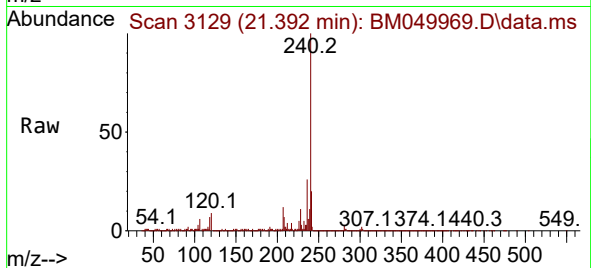
Tgt Ion:240 Resp: 1615329

Ion Ratio Lower Upper

240 100

120 8.5 6.9 10.3

236 26.0 20.4 30.6



#78

Pyrene

Concen: 9.938 ng

RT: 19.580 min Scan# 2821

Delta R.T. -0.006 min

Lab File: BM049969.D

Acq: 18 Apr 2025 17:06

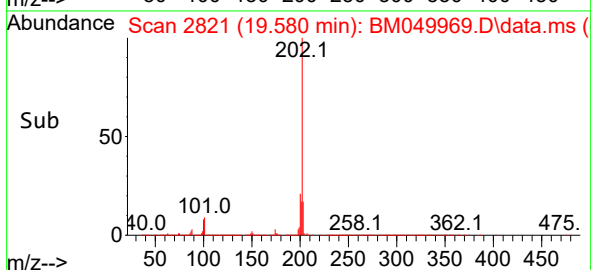
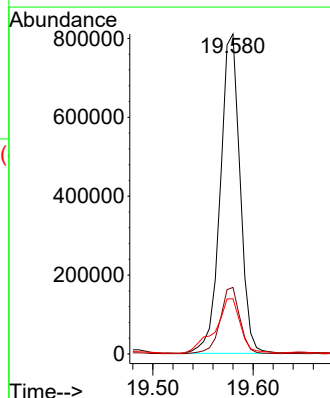
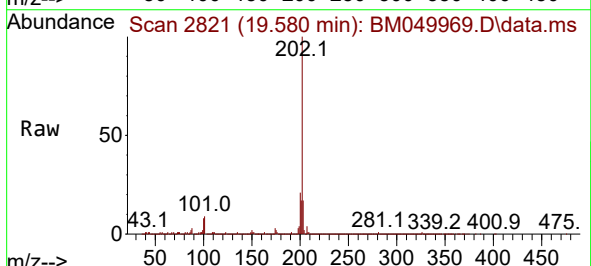
Tgt Ion:202 Resp: 1106400

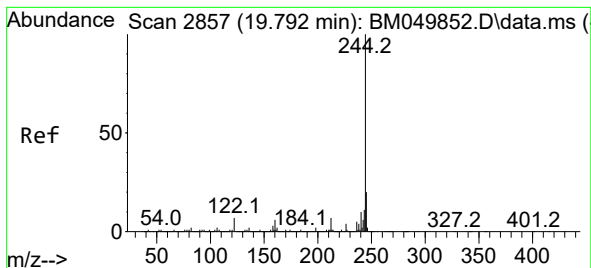
Ion Ratio Lower Upper

202 100

200 20.8 16.5 24.7

203 17.2 14.0 21.0





#79

Terphenyl-d14

Concen: 83.450 ng

RT: 19.780 min Scan# 2

Delta R.T. -0.012 min

Lab File: BM049969.D

Acq: 18 Apr 2025 17:06

Instrument :

BNA_M

ClientSampleId :

RT5417

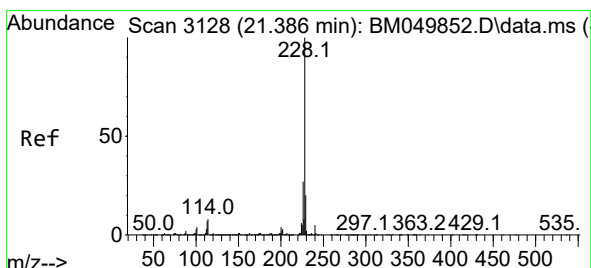
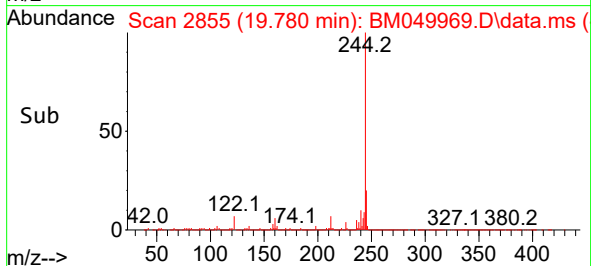
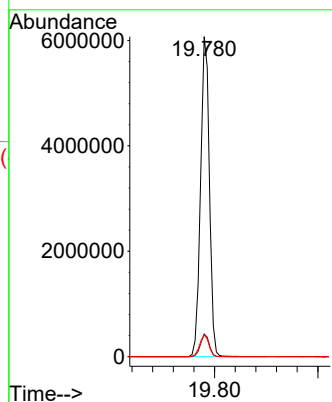
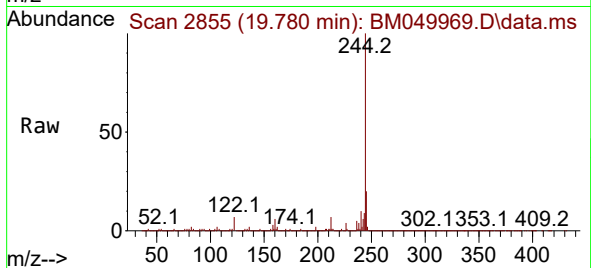
Tgt Ion:244 Resp: 7192958

Ion Ratio Lower Upper

244 100

212 7.1 5.5 8.3

122 6.9 5.4 8.0



#81

Benzo(a)anthracene

Concen: 5.460 ng

RT: 21.374 min Scan# 3126

Delta R.T. -0.012 min

Lab File: BM049969.D

Acq: 18 Apr 2025 17:06

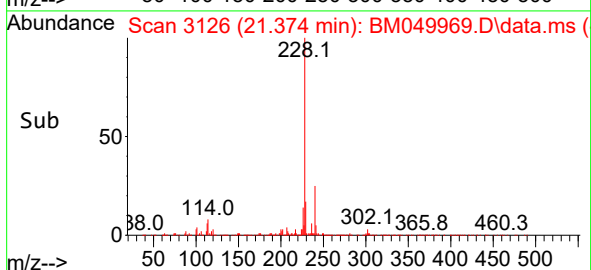
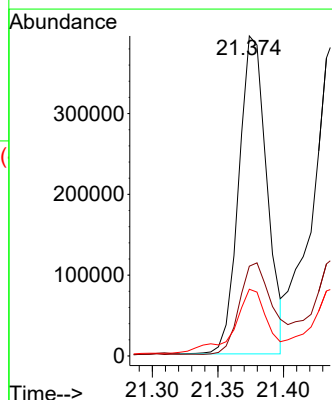
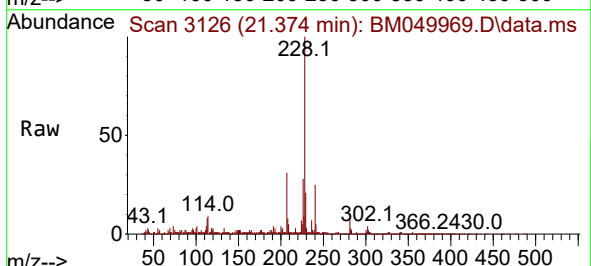
Tgt Ion:228 Resp: 586205

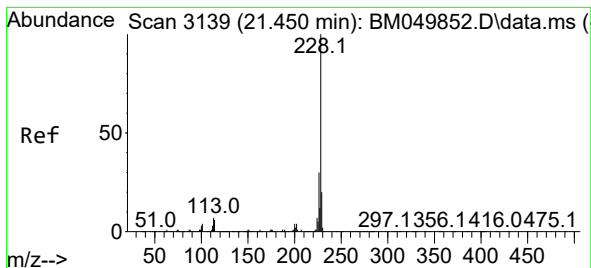
Ion Ratio Lower Upper

228 100

226 28.1 21.8 32.8

229 20.9 15.8 23.8





#83

Chrysene

Concen: 6.897 ng m

RT: 21.439 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM049969.D

Acq: 18 Apr 2025 17:06

Instrument :

BNA_M

ClientSampleId :

RT5417

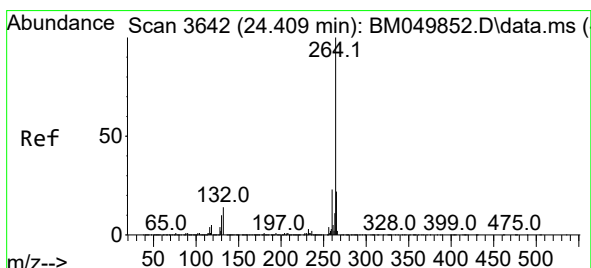
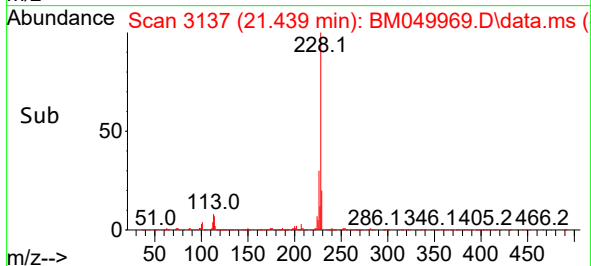
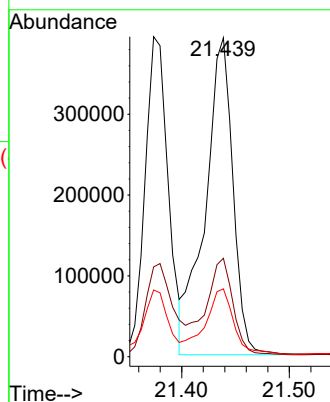
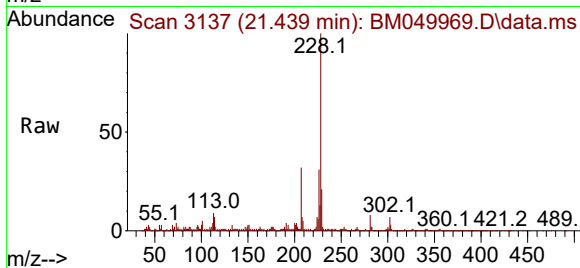
Tgt Ion:228 Resp: 703972

Ion Ratio Lower Upper

228 100

226 30.9 24.1 36.1

229 21.3 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.391 min Scan# 3639

Delta R.T. -0.018 min

Lab File: BM049969.D

Acq: 18 Apr 2025 17:06

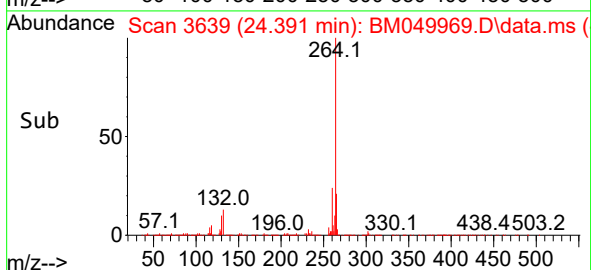
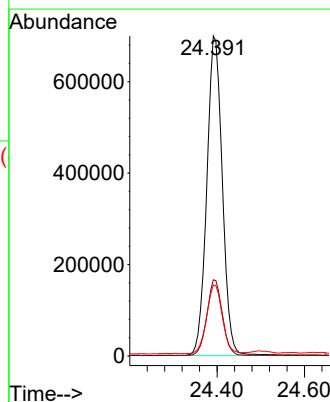
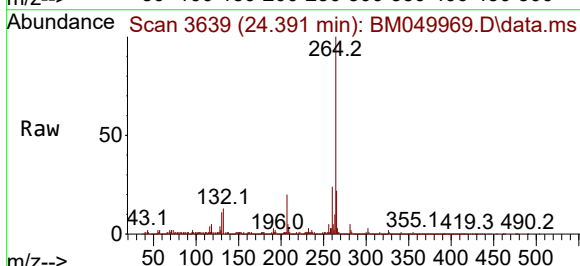
Tgt Ion:264 Resp: 1729872

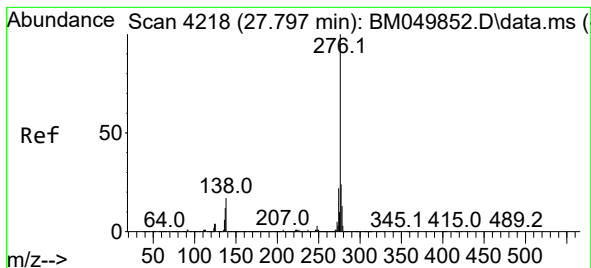
Ion Ratio Lower Upper

264 100

260 23.8 18.6 28.0

265 22.2 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.198 ng

RT: 27.779 min Scan# 41

Delta R.T. -0.018 min

Lab File: BM049969.D

Acq: 18 Apr 2025 17:06

Instrument :

BNA_M

ClientSampleId :

RT5417

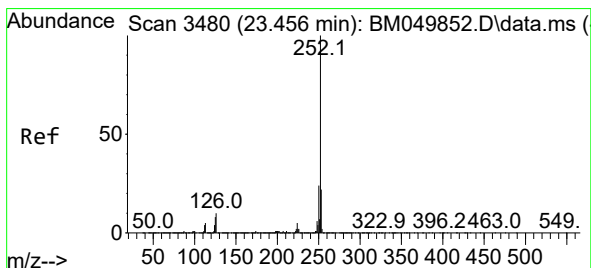
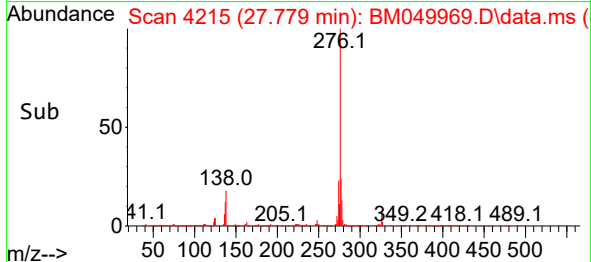
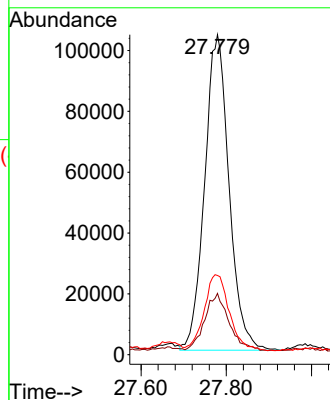
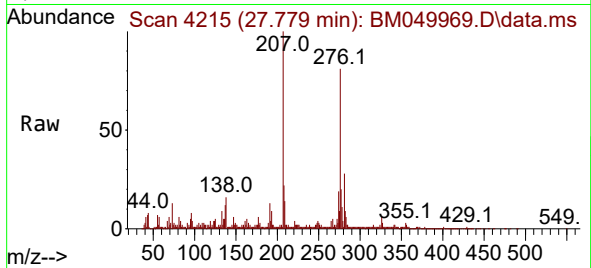
Tgt Ion:276 Resp: 412340

Ion Ratio Lower Upper

276 100

138 18.1 16.8 25.2

277 24.8 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 7.842 ng

RT: 23.450 min Scan# 3479

Delta R.T. -0.006 min

Lab File: BM049969.D

Acq: 18 Apr 2025 17:06

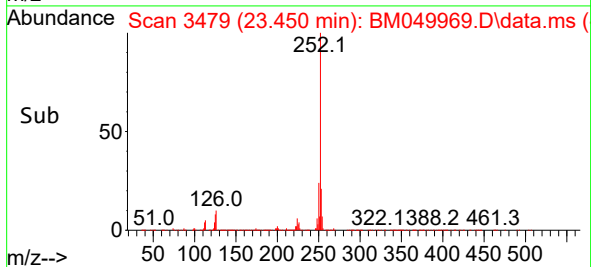
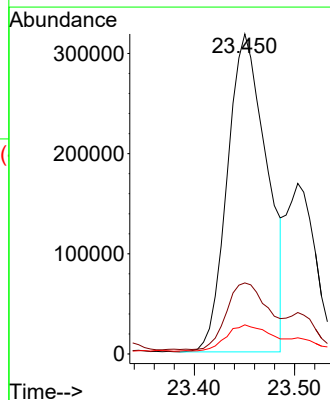
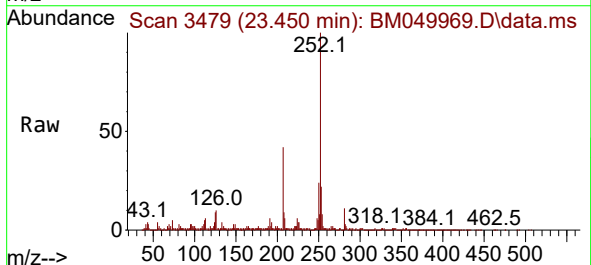
Tgt Ion:252 Resp: 866354

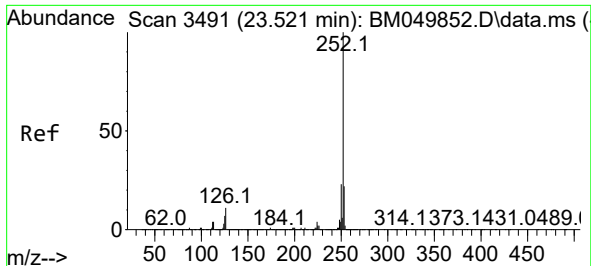
Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 9.1 6.2 9.4

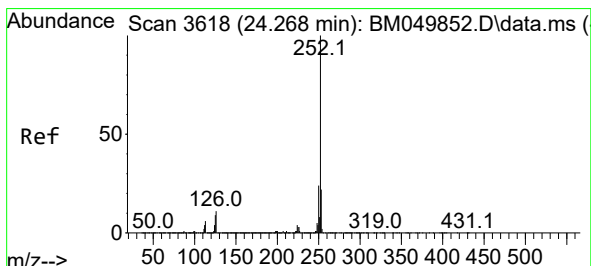
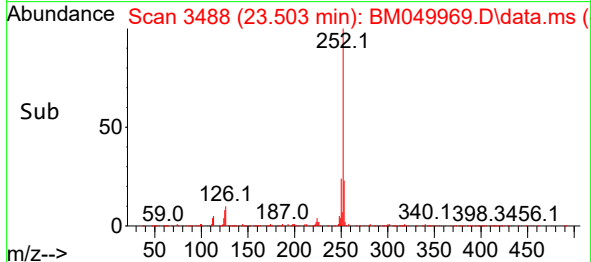
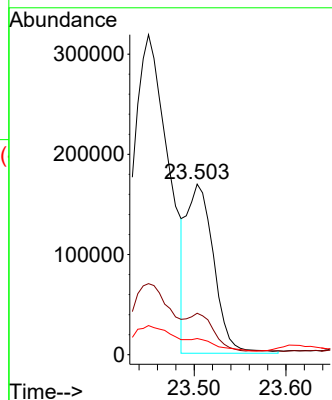
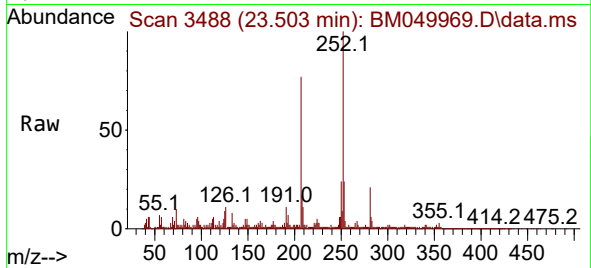




#89
Benzo(k)fluoranthene
Concen: 3.239 ng m
RT: 23.503 min Scan# 34
Delta R.T. -0.018 min
Lab File: BM049969.D
Acq: 18 Apr 2025 17:06

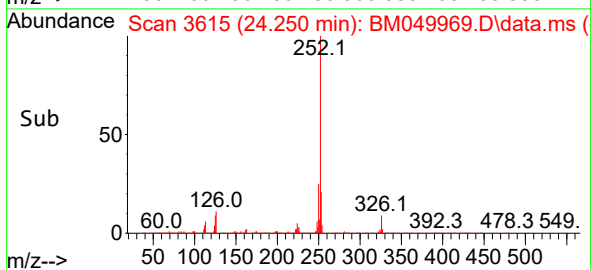
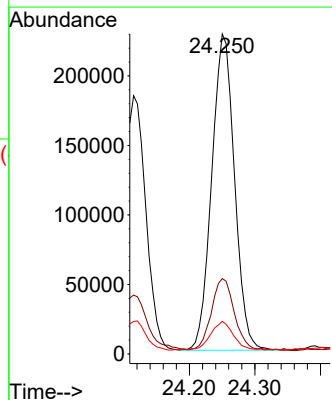
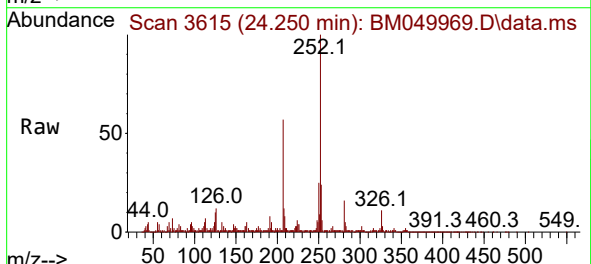
Instrument :
BNA_M
ClientSampleId :
RT5417

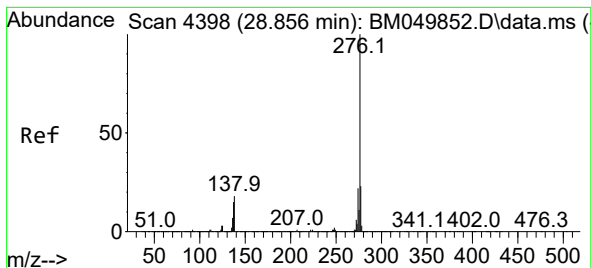
Tgt Ion:252 Resp: 346783
Ion Ratio Lower Upper
252 100
253 24.3 17.4 26.2
125 9.5 5.8 8.8#



#90
Benzo(a)pyrene
Concen: 5.651 ng
RT: 24.250 min Scan# 3615
Delta R.T. -0.018 min
Lab File: BM049969.D
Acq: 18 Apr 2025 17:06

Tgt Ion:252 Resp: 548646
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 10.2 7.0 10.4





#92

Benzo(g,h,i)perylene

Concen: 3.714 ng

RT: 28.838 min Scan# 41

Delta R.T. -0.018 min

Lab File: BM049969.D

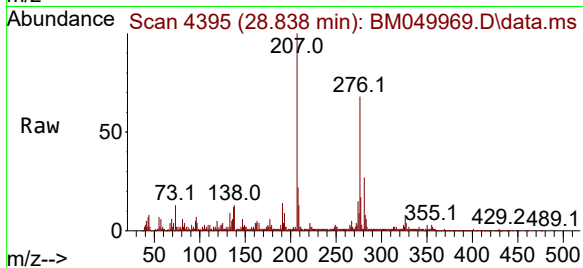
Acq: 18 Apr 2025 17:06

Instrument :

BNA_M

ClientSampleId :

RT5417



Tgt Ion:276 Resp: 403067

Ion Ratio Lower Upper

276 100

277 24.4 18.7 28.1

138 18.7 14.6 21.8

