

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042225\
 Data File : BM050002.D
 Acq On : 22 Apr 2025 19:05
 Operator : RC/JU
 Sample : Q1842-37 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PL-714-COMP-14

Quant Time: Apr 23 01:14:31 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)

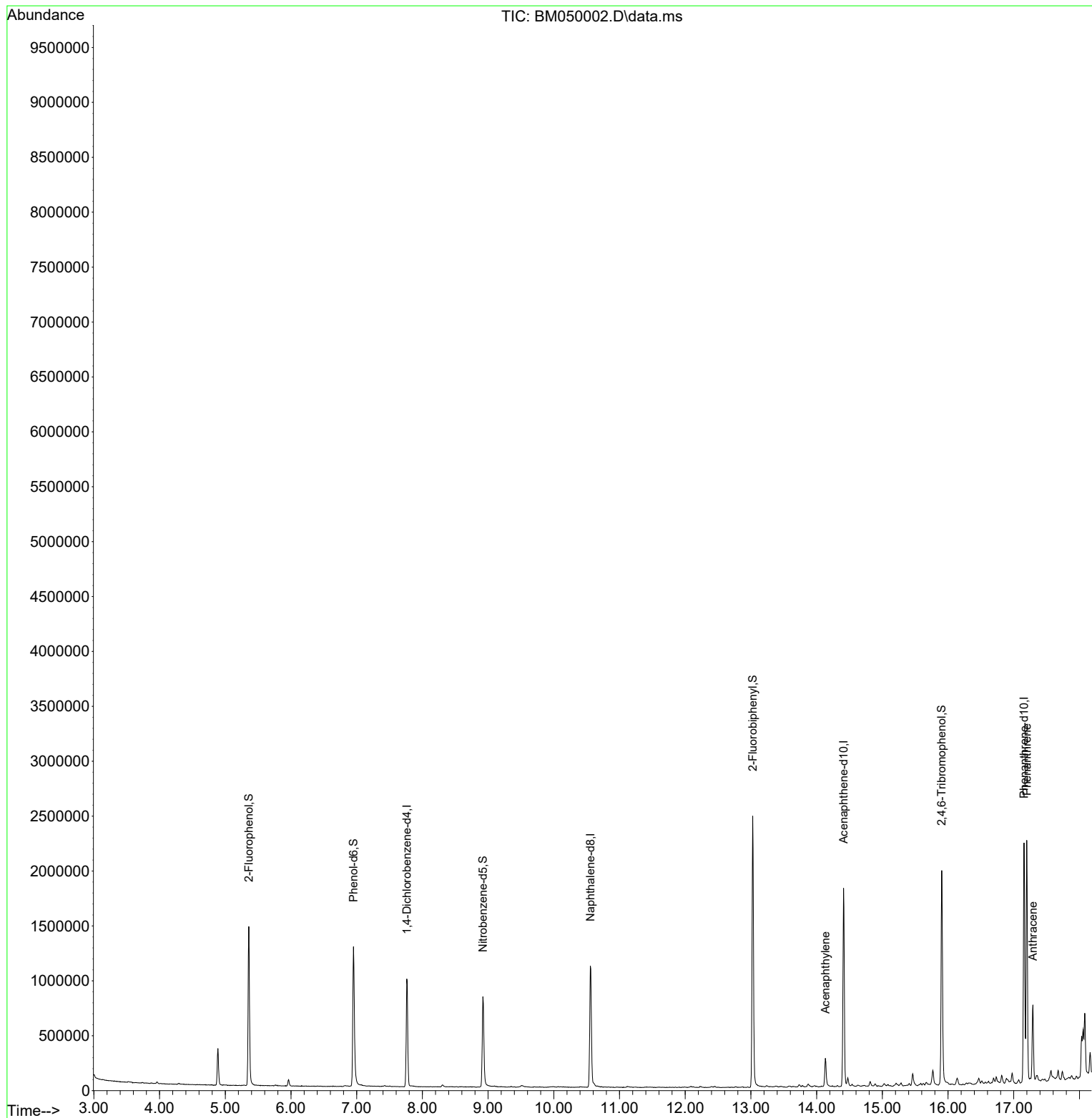
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	295330	20.000	ng	-0.02
21) Naphthalene-d8	10.557	136	1027314	20.000	ng	-0.02
39) Acenaphthene-d10	14.410	164	672624	20.000	ng	-0.01
64) Phenanthrene-d10	17.157	188	1344954	20.000	ng	0.00
76) Chrysene-d12	21.398	240	1354544	20.000	ng	0.00
86) Perylene-d12	24.403	264	1365889	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	682565	39.246	ng	0.00
7) Phenol-d6	6.951	99	866625	40.049	ng	0.00
23) Nitrobenzene-d5	8.922	82	524692	28.441	ng	-0.01
42) 2,4,6-Tribromophenol	15.904	330	416939	42.616	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	1428305	28.795	ng	-0.02
79) Terphenyl-d14	19.780	244	2106621	29.146	ng	-0.01
Target Compounds						
						Qvalue
49) Acenaphthylene	14.133	152	223695	3.908	ng	99
71) Phenanthrene	17.198	178	1361969	18.471	ng	100
72) Anthracene	17.292	178	461148	6.346	ng	99
75) Fluoranthene	19.221	202	4750095	52.394	ng	99
78) Pyrene	19.580	202	4000471	42.853	ng	99
81) Benzo(a)anthracene	21.380	228	2370102	26.328	ng	98
83) Chrysene	21.445	228	1880991	21.978	ng	98
87) Indeno(1,2,3-cd)pyrene	27.797	276	1282852	12.600	ng	97
88) Benzo(b)fluoranthene	23.462	252	2695936	30.905	ng	98
89) Benzo(k)fluoranthene	23.515	252	949304m	11.230	ng	
90) Benzo(a)pyrene	24.262	252	1938384	25.287	ng	99
91) Dibenzo(a,h)anthracene	27.821	278	328994m	3.923	ng	
92) Benzo(g,h,i)perylene	28.856	276	1198513	13.985	ng	98

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

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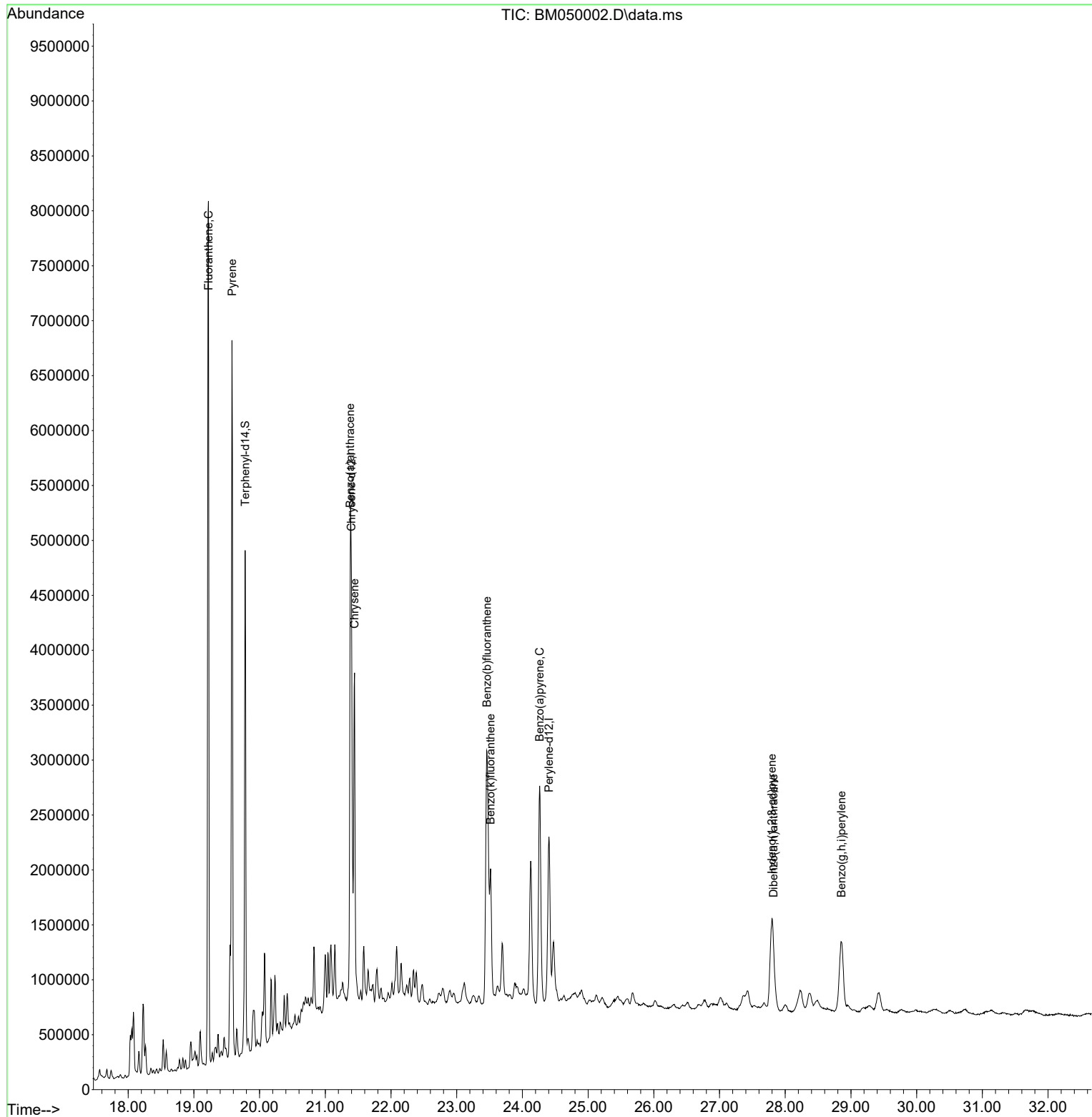
Quant Time: Apr 23 01:14:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
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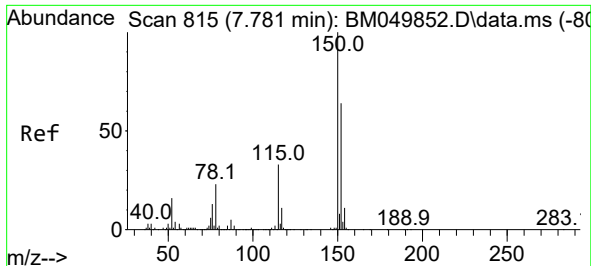


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042225\
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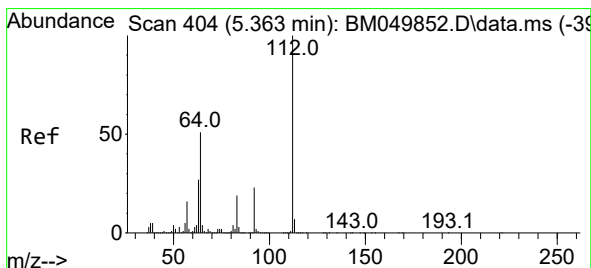
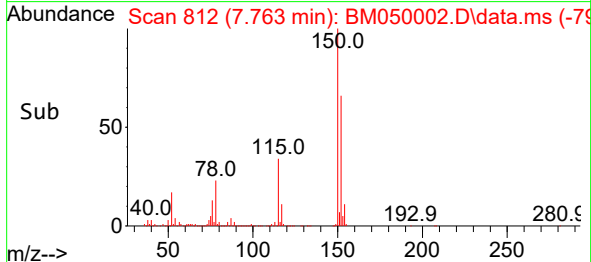
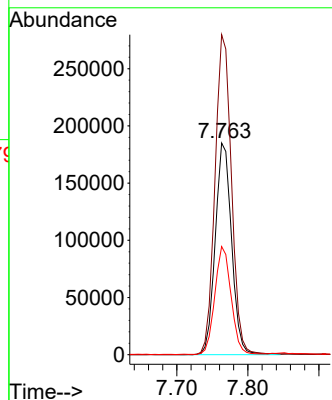
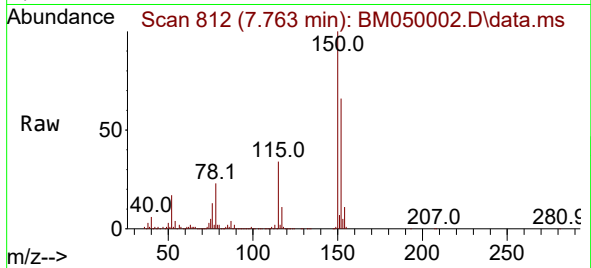




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 815
Delta R.T. -0.018 min
Lab File: BM050002.D
Acq: 22 Apr 2025 19:05

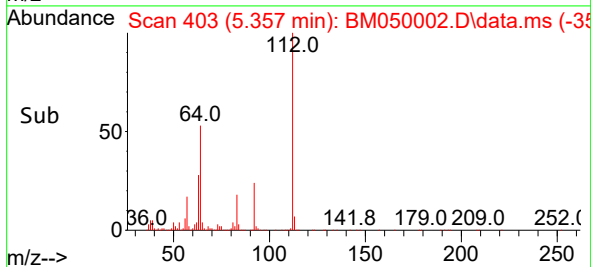
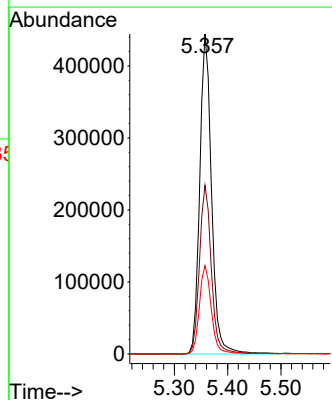
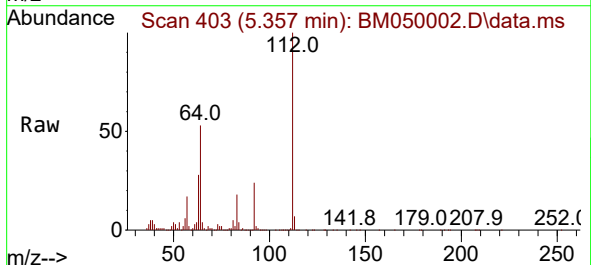
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-14

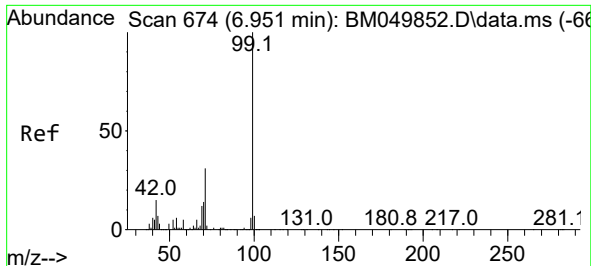
Tgt Ion:152 Resp: 295330
Ion Ratio Lower Upper
152 100
150 151.1 124.3 186.5
115 51.1 41.1 61.7



#5
2-Fluorophenol
Concen: 39.246 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM050002.D
Acq: 22 Apr 2025 19:05

Tgt Ion:112 Resp: 682565
Ion Ratio Lower Upper
112 100
64 52.7 41.0 61.6
63 27.6 21.5 32.3

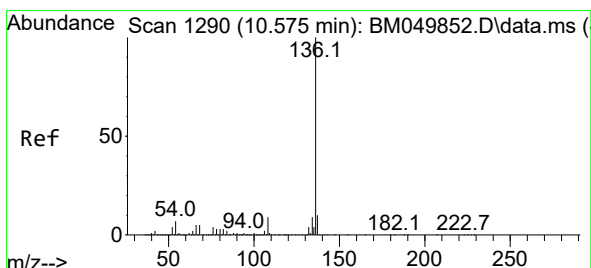
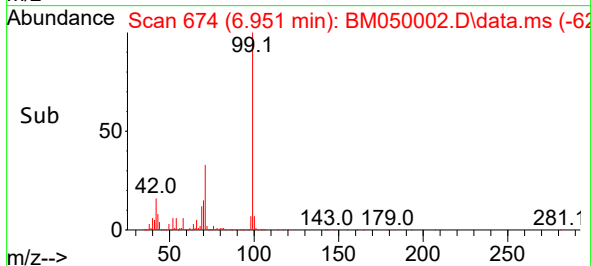
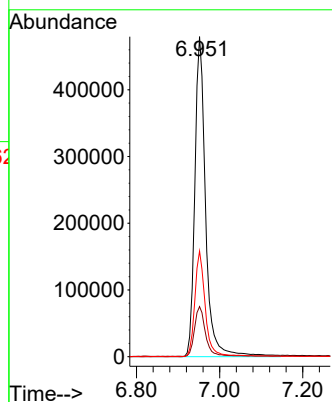
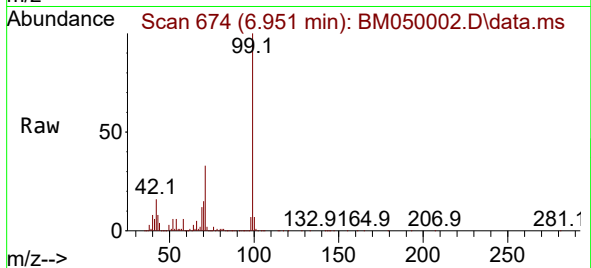




#7
Phenol-d6
Concen: 40.049 ng
RT: 6.951 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM050002.D
Acq: 22 Apr 2025 19:05

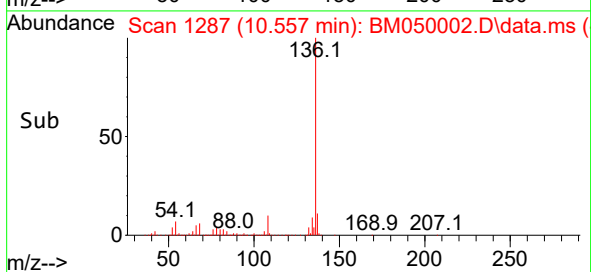
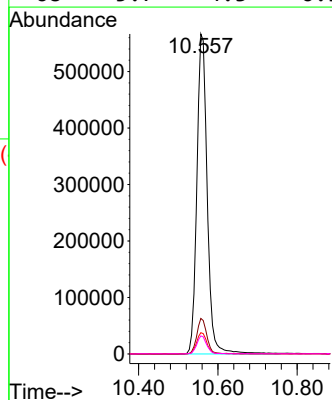
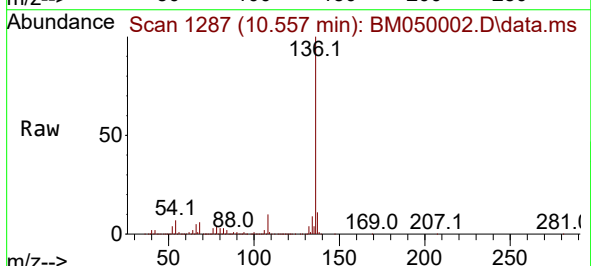
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-14

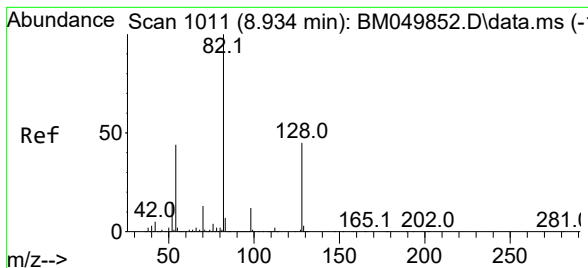
Tgt Ion: 99 Resp: 866625
Ion Ratio Lower Upper
99 100
42 15.7 12.1 18.1
71 33.0 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.018 min
Lab File: BM050002.D
Acq: 22 Apr 2025 19:05

Tgt Ion: 136 Resp: 1027314
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 6.7 5.3 7.9
68 5.7 4.3 6.5





#23

Nitrobenzene-d5

Concen: 28.441 ng

RT: 8.922 min Scan# 1009

Delta R.T. -0.012 min

Lab File: BM050002.D

Acq: 22 Apr 2025 19:05

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-14

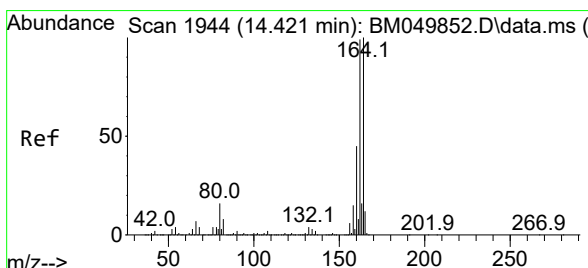
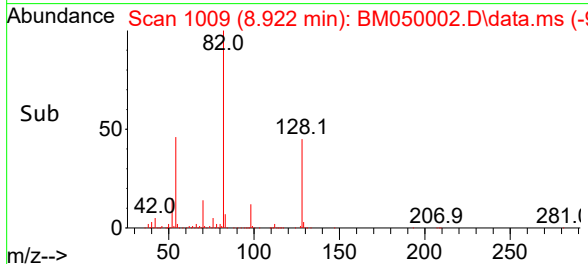
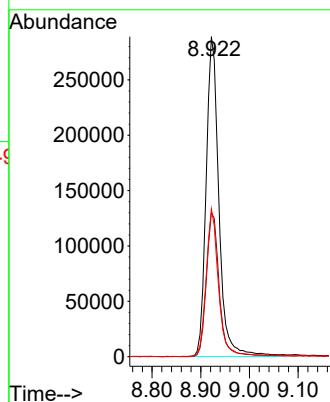
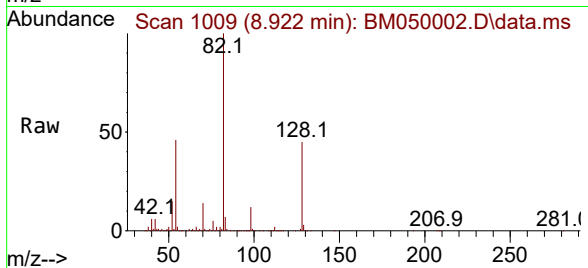
Tgt Ion: 82 Resp: 524692

Ion Ratio Lower Upper

82 100

128 45.0 36.2 54.2

54 46.2 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: BM050002.D

Acq: 22 Apr 2025 19:05

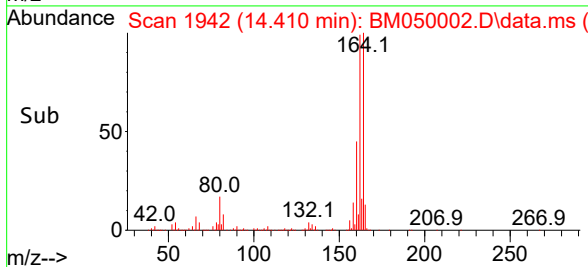
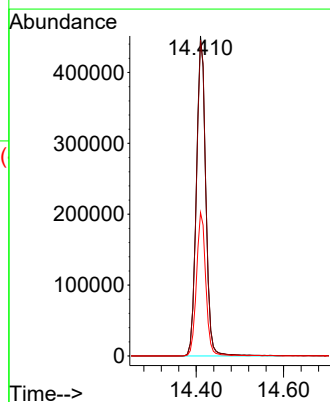
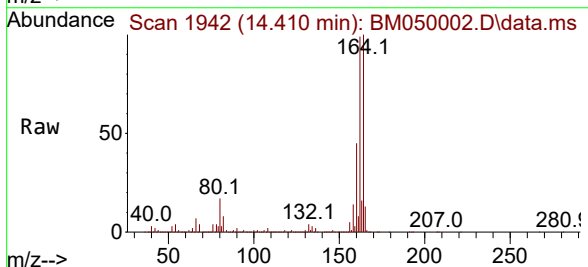
Tgt Ion:164 Resp: 672624

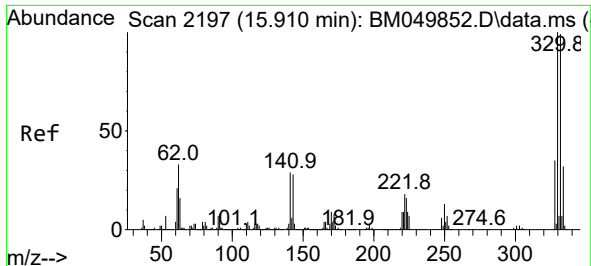
Ion Ratio Lower Upper

164 100

162 98.7 79.4 119.0

160 44.8 36.2 54.2

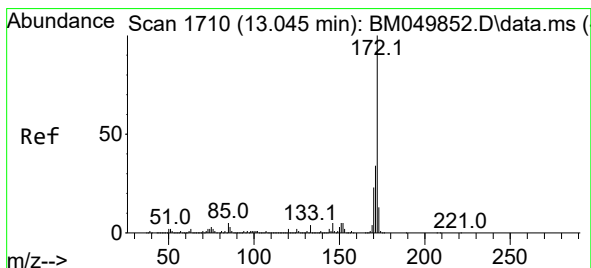
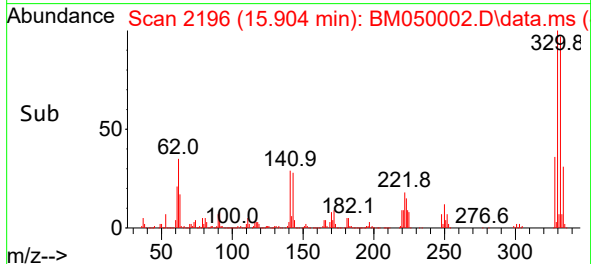
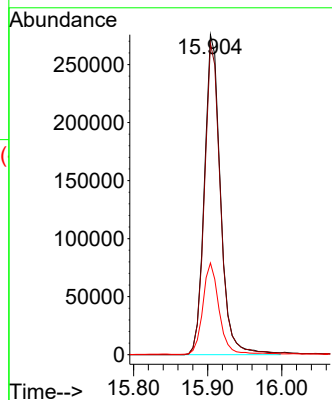
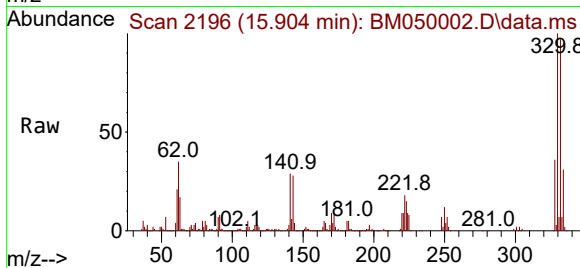




#42
2,4,6-Tribromophenol
Concen: 42.616 ng
RT: 15.904 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BM050002.D
Acq: 22 Apr 2025 19:05

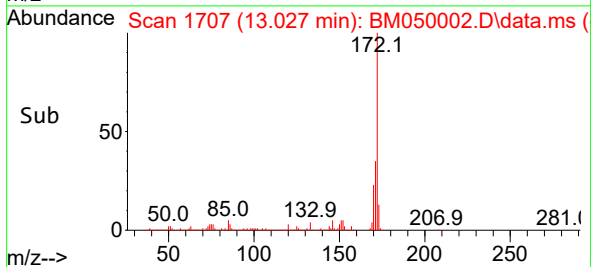
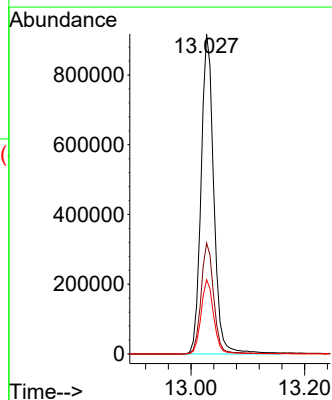
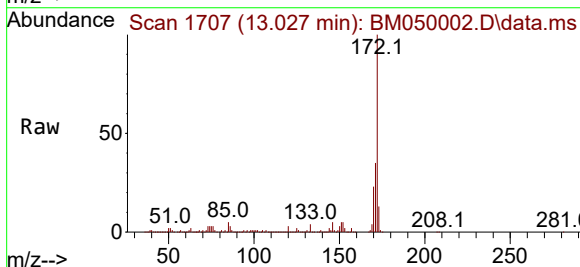
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-14

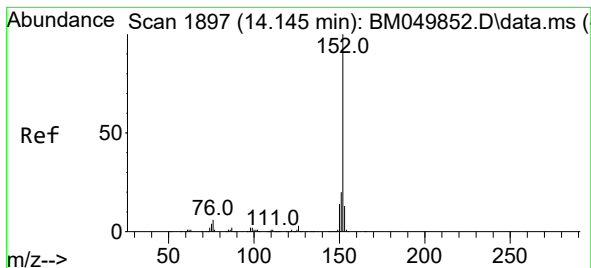
Tgt Ion:330 Resp: 416939
Ion Ratio Lower Upper
330 100
332 97.6 78.0 117.0
141 29.0 23.5 35.3



#45
2-Fluorobiphenyl
Concen: 28.795 ng
RT: 13.027 min Scan# 1707
Delta R.T. -0.018 min
Lab File: BM050002.D
Acq: 22 Apr 2025 19:05

Tgt Ion:172 Resp: 1428305
Ion Ratio Lower Upper
172 100
171 34.6 27.4 41.2
170 23.2 18.6 28.0





#49

Acenaphthylene

Concen: 3.908 ng

RT: 14.133 min Scan# 1895

Delta R.T. -0.012 min

Lab File: BM050002.D

Acq: 22 Apr 2025 19:05

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-14

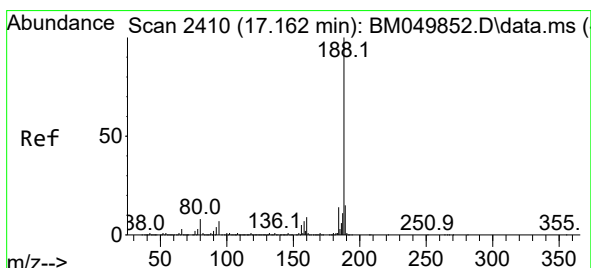
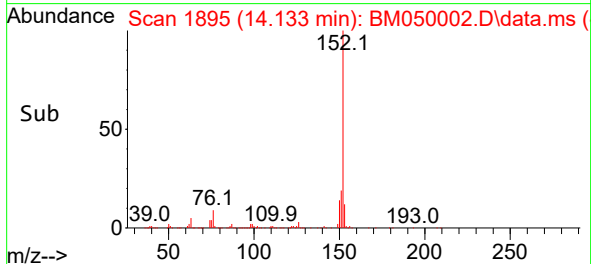
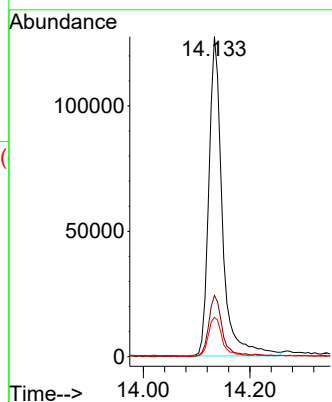
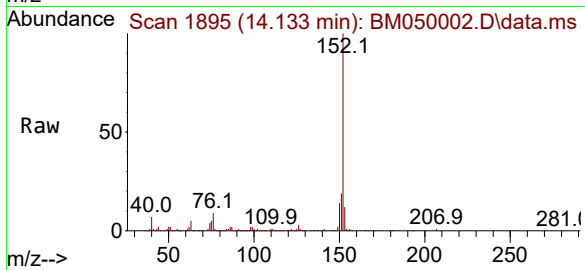
Tgt Ion:152 Resp: 223695

Ion Ratio Lower Upper

152 100

151 19.2 15.7 23.5

153 12.3 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: BM050002.D

Acq: 22 Apr 2025 19:05

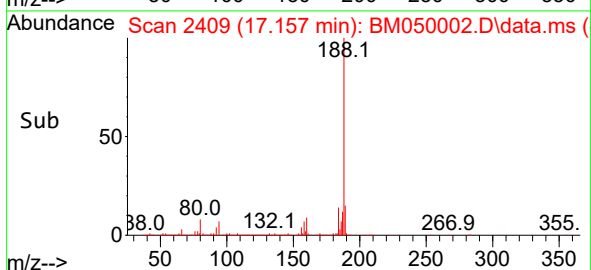
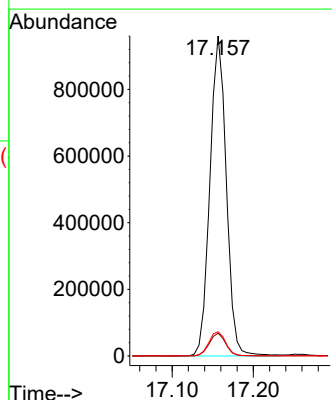
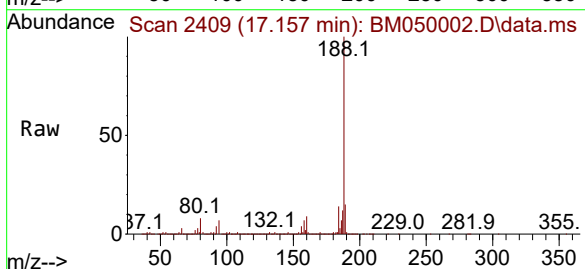
Tgt Ion:188 Resp: 1344954

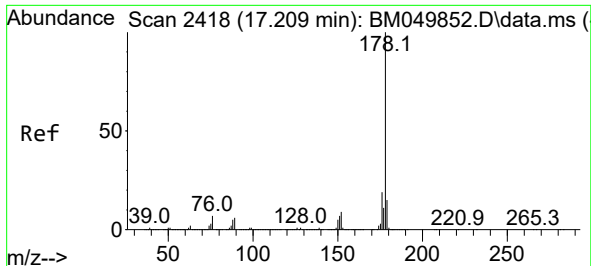
Ion Ratio Lower Upper

188 100

94 7.1 5.8 8.6

80 7.6 6.4 9.6

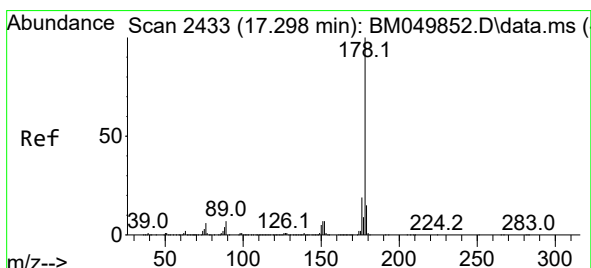
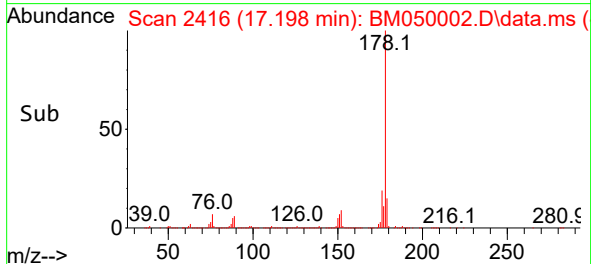
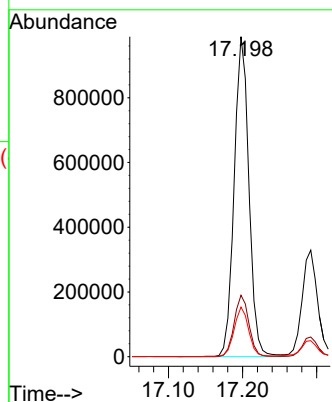
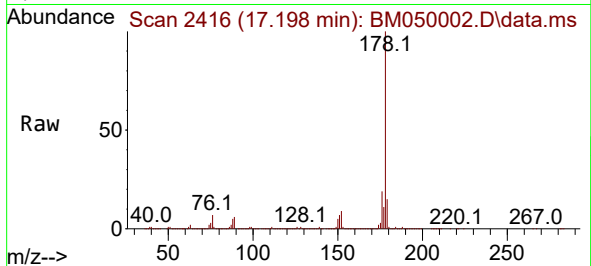




#71
Phenanthrene
Concen: 18.471 ng
RT: 17.198 min Scan# 2418
Delta R.T. -0.012 min
Lab File: BM050002.D
Acq: 22 Apr 2025 19:05

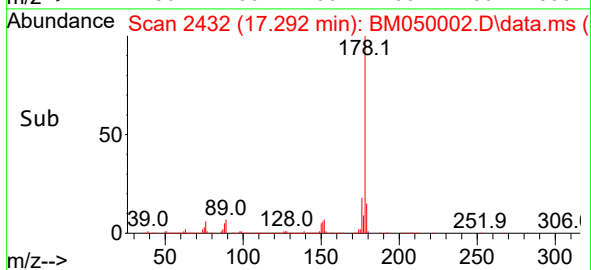
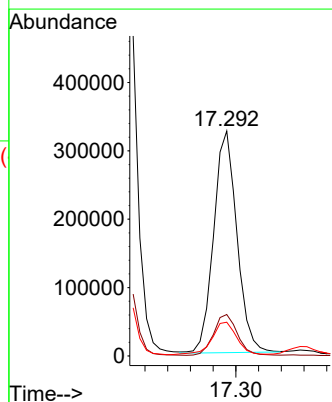
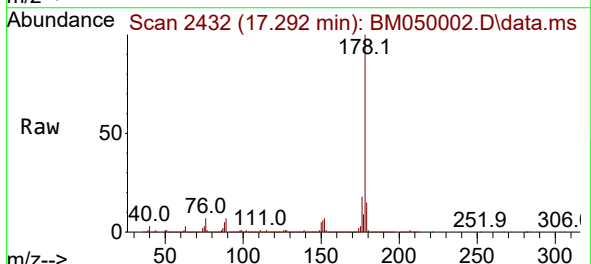
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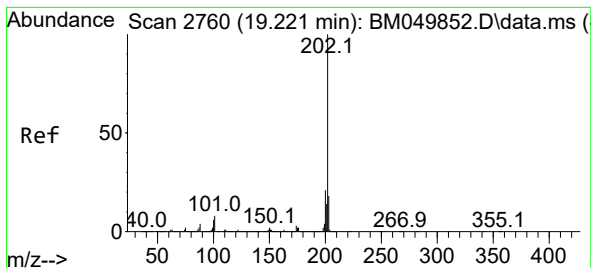
Tgt Ion:178 Resp: 1361969
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 15.5 12.3 18.5



#72
Anthracene
Concen: 6.346 ng
RT: 17.292 min Scan# 2432
Delta R.T. -0.006 min
Lab File: BM050002.D
Acq: 22 Apr 2025 19:05

Tgt Ion:178 Resp: 461148
Ion Ratio Lower Upper
178 100
176 18.4 15.1 22.7
179 15.0 12.4 18.6





#75

Fluoranthene

Concen: 52.394 ng

RT: 19.221 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM050002.D

Acq: 22 Apr 2025 19:05

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-14

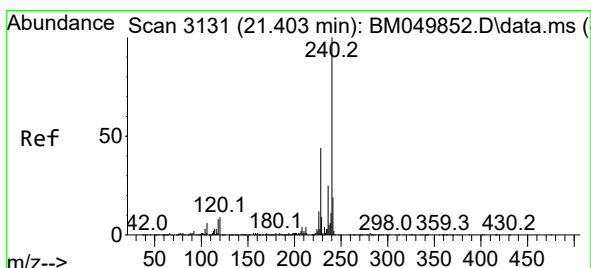
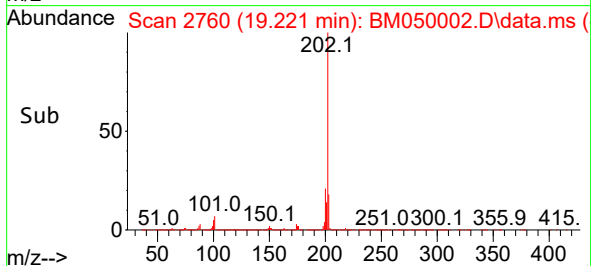
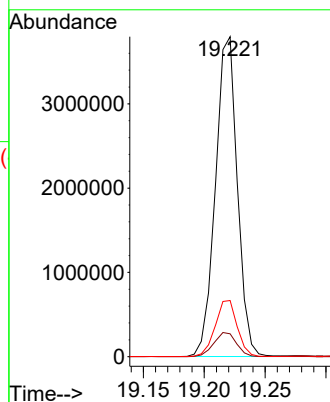
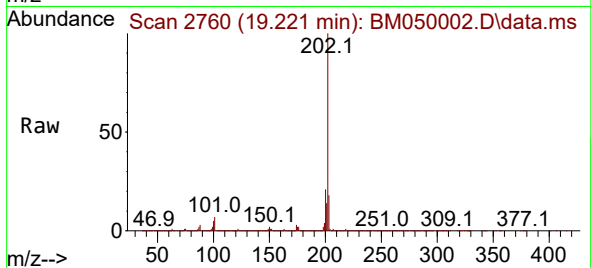
Tgt Ion:202 Resp: 4750095

Ion Ratio Lower Upper

202 100

101 7.1 0.0 28.4

203 17.6 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: BM050002.D

Acq: 22 Apr 2025 19:05

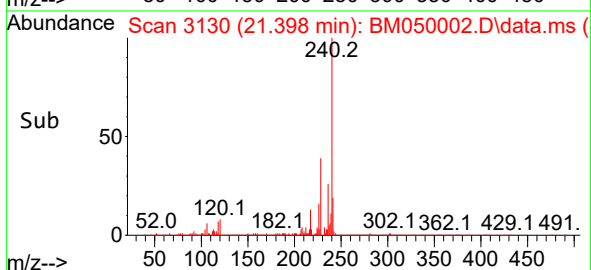
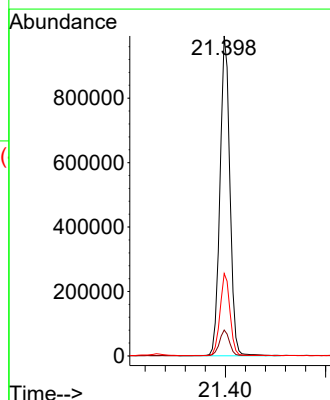
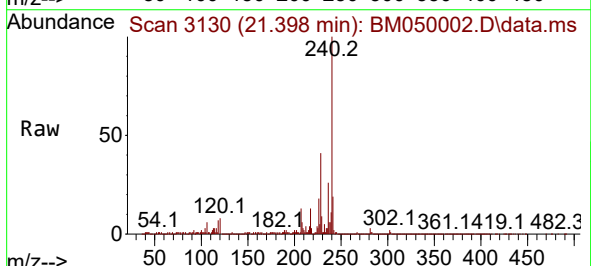
Tgt Ion:240 Resp: 1354544

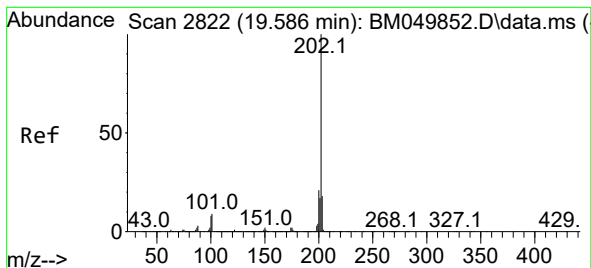
Ion Ratio Lower Upper

240 100

120 8.1 6.9 10.3

236 25.8 20.4 30.6





#78

Pyrene

Concen: 42.853 ng

RT: 19.580 min Scan# 2822

Delta R.T. -0.006 min

Lab File: BM050002.D

Acq: 22 Apr 2025 19:05

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-14

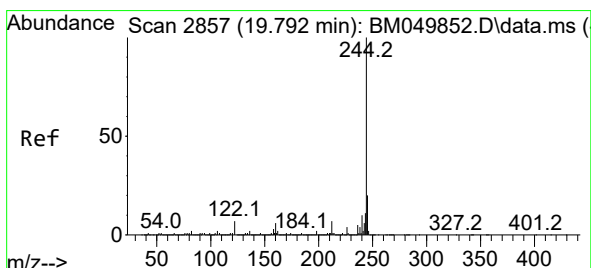
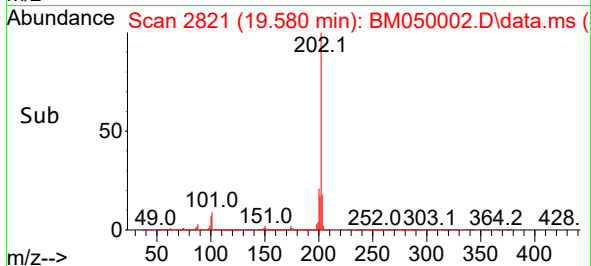
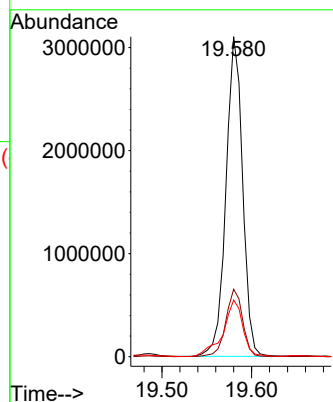
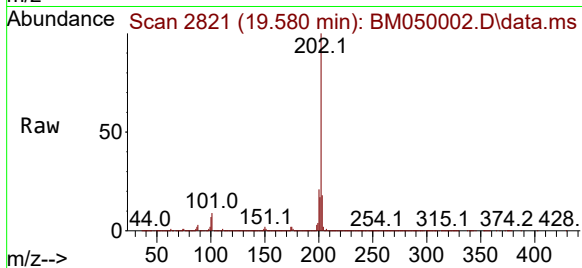
Tgt Ion:202 Resp: 4000471

Ion Ratio Lower Upper

202 100

200 21.1 16.5 24.7

203 17.7 14.0 21.0



#79

Terphenyl-d14

Concen: 29.146 ng

RT: 19.780 min Scan# 2855

Delta R.T. -0.012 min

Lab File: BM050002.D

Acq: 22 Apr 2025 19:05

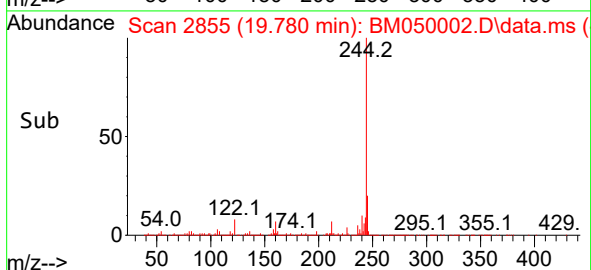
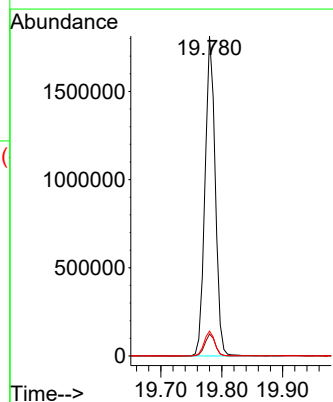
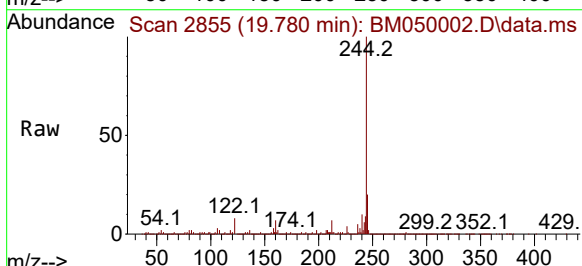
Tgt Ion:244 Resp: 2106621

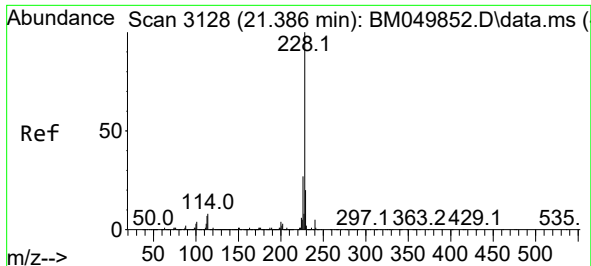
Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

122 7.7 5.4 8.0

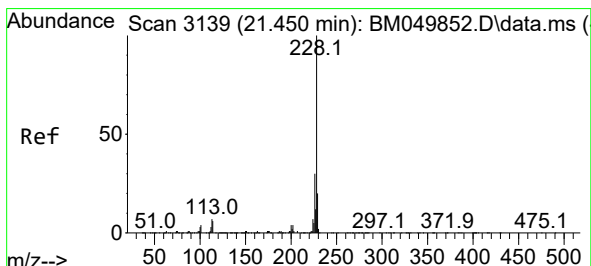
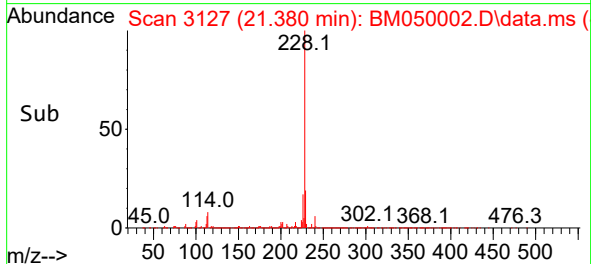
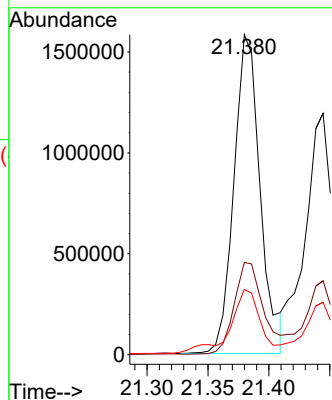
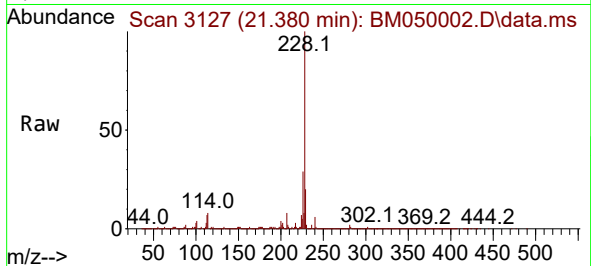




#81
Benzo(a)anthracene
Concen: 26.328 ng
RT: 21.380 min Scan# 3128
Delta R.T. -0.006 min
Lab File: BM050002.D
Acq: 22 Apr 2025 19:05

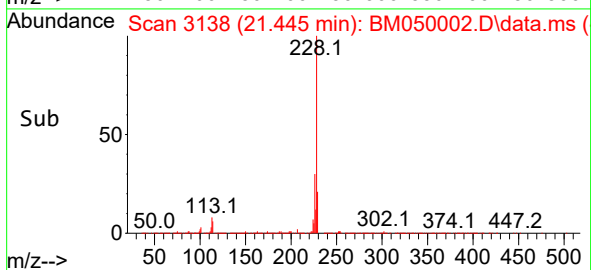
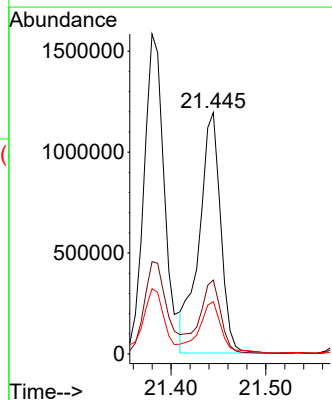
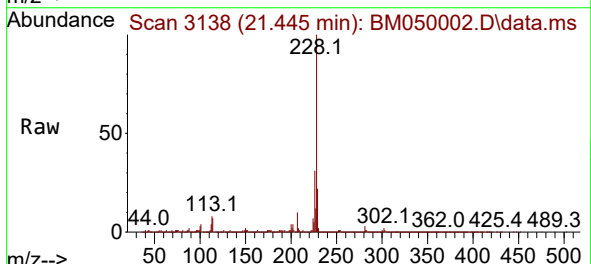
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-14

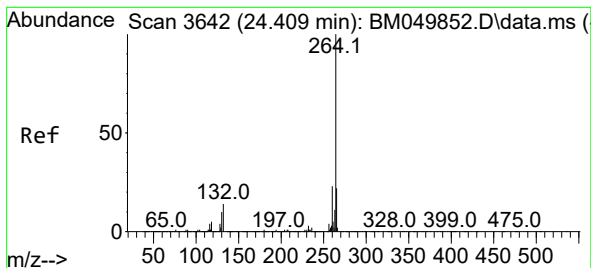
Tgt Ion:228 Resp: 2370102
Ion Ratio Lower Upper
228 100
226 28.8 21.8 32.8
229 20.4 15.8 23.8



#83
Chrysene
Concen: 21.978 ng
RT: 21.445 min Scan# 3138
Delta R.T. -0.006 min
Lab File: BM050002.D
Acq: 22 Apr 2025 19:05

Tgt Ion:228 Resp: 1880991
Ion Ratio Lower Upper
228 100
226 30.6 24.1 36.1
229 21.7 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.403 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM050002.D

Acq: 22 Apr 2025 19:05

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-14

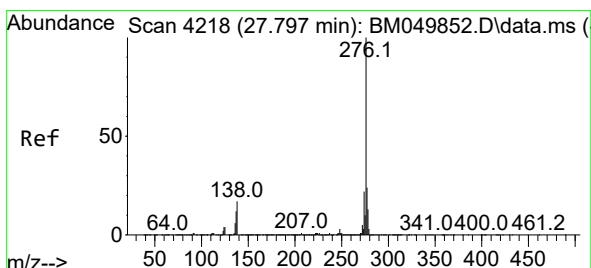
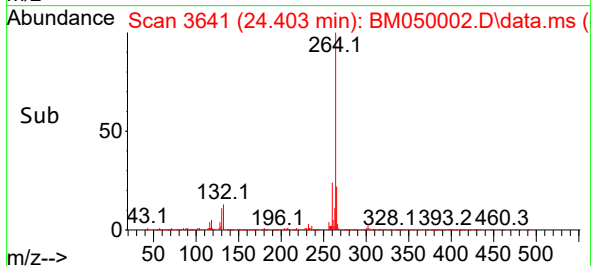
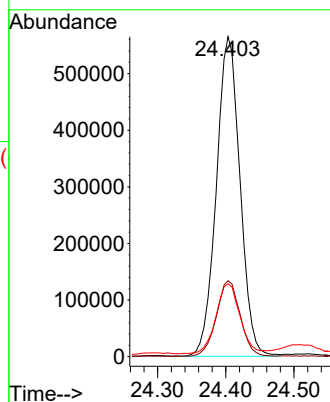
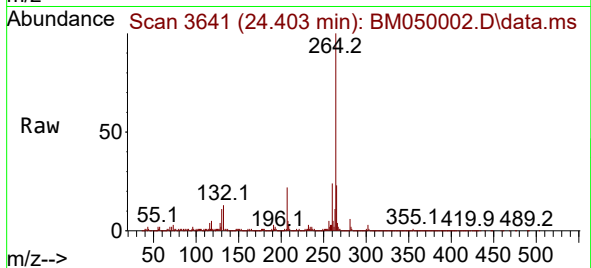
Tgt Ion:264 Resp: 1365889

Ion Ratio Lower Upper

264 100

260 23.8 18.6 28.0

265 22.8 17.8 26.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 12.600 ng

RT: 27.797 min Scan# 4218

Delta R.T. 0.000 min

Lab File: BM050002.D

Acq: 22 Apr 2025 19:05

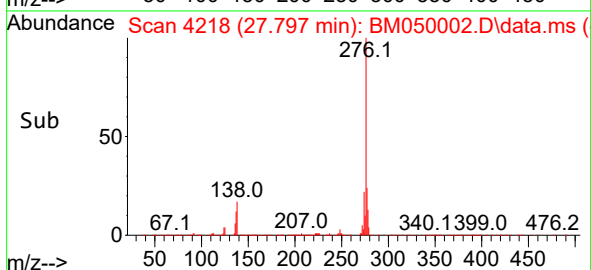
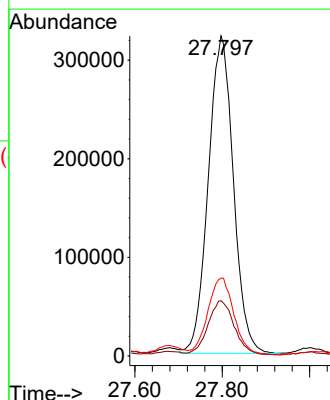
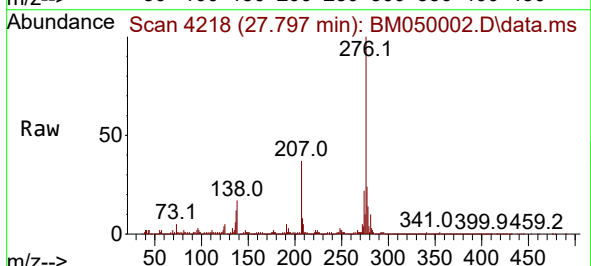
Tgt Ion:276 Resp: 1282852

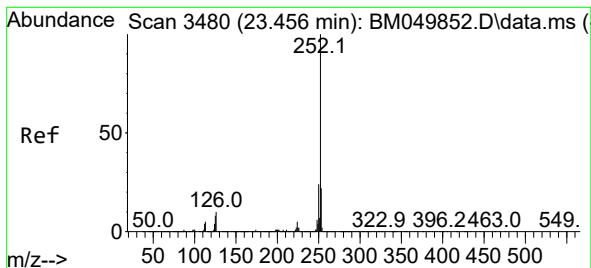
Ion Ratio Lower Upper

276 100

138 17.8 16.8 25.2

277 25.2 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 30.905 ng

RT: 23.462 min Scan# 34

Delta R.T. 0.006 min

Lab File: BM050002.D

Acq: 22 Apr 2025 19:05

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-14

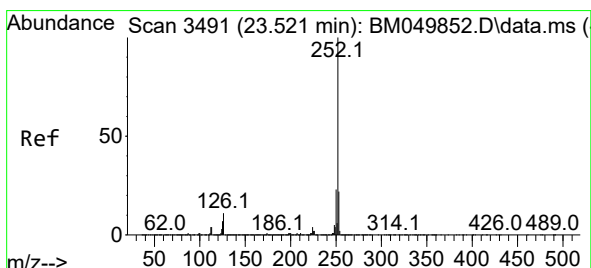
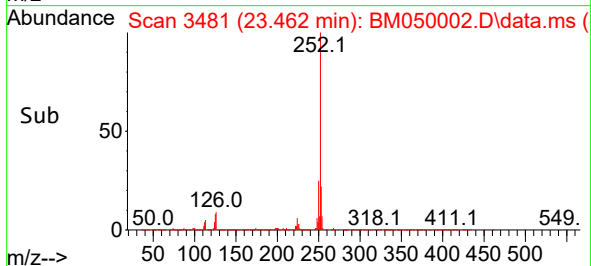
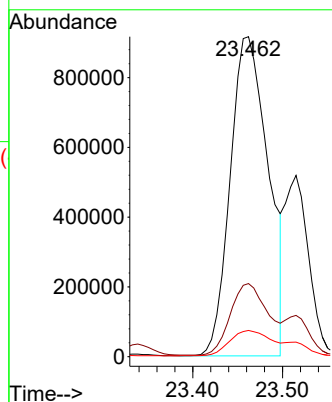
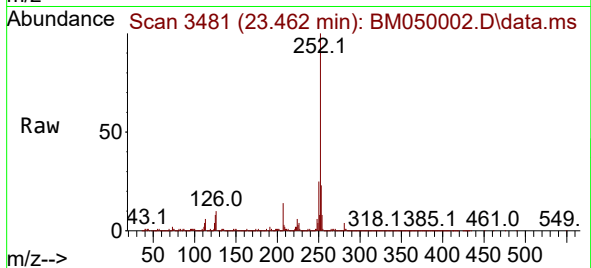
Tgt Ion:252 Resp: 2695936

Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

125 8.2 6.2 9.4



#89

Benzo(k)fluoranthene

Concen: 11.230 ng m

RT: 23.515 min Scan# 3490

Delta R.T. -0.006 min

Lab File: BM050002.D

Acq: 22 Apr 2025 19:05

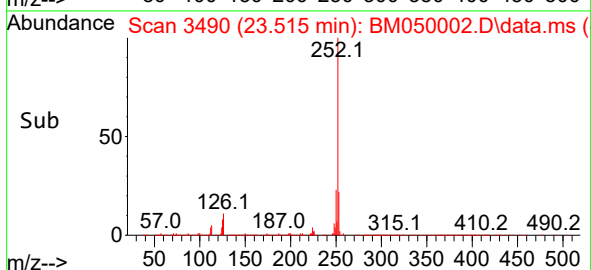
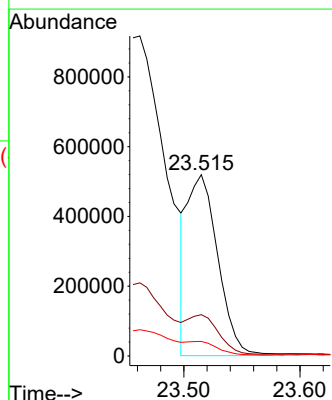
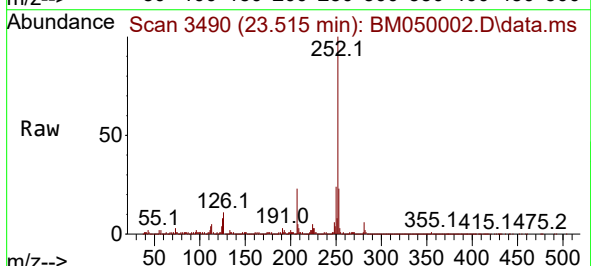
Tgt Ion:252 Resp: 949304

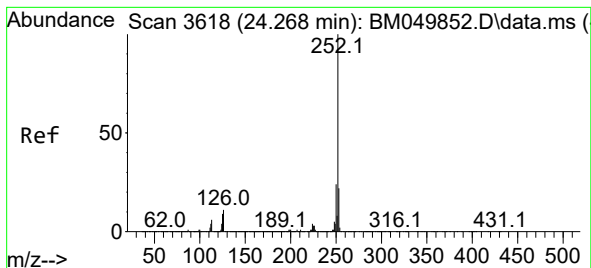
Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.2

125 8.0 5.8 8.8





#90

Benzo(a)pyrene

Concen: 25.287 ng

RT: 24.262 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM050002.D

Acq: 22 Apr 2025 19:05

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-14

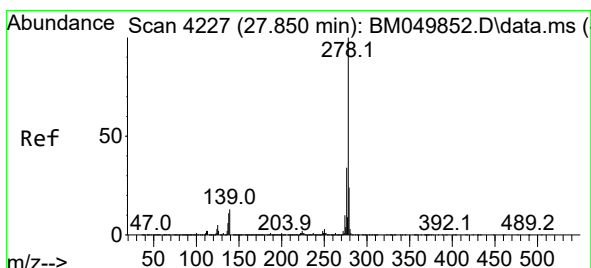
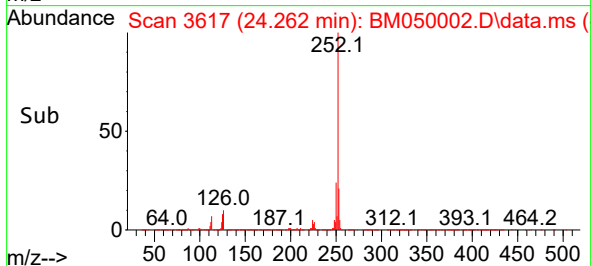
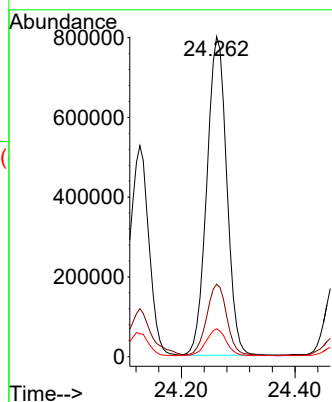
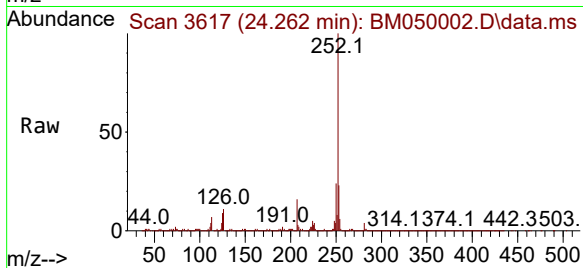
Tgt Ion:252 Resp: 1938384

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.8

125 8.7 7.0 10.4



#91

Dibenzo(a,h)anthracene

Concen: 3.923 ng m

RT: 27.821 min Scan# 4222

Delta R.T. -0.029 min

Lab File: BM050002.D

Acq: 22 Apr 2025 19:05

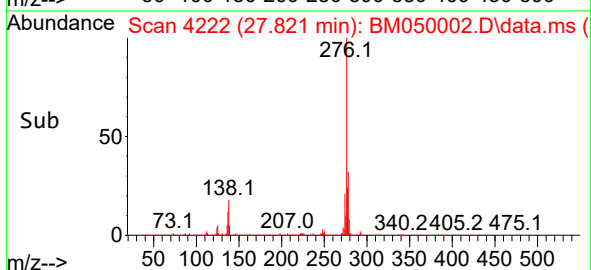
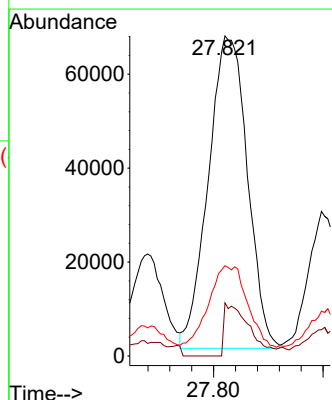
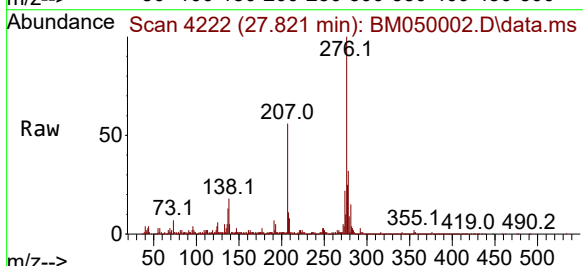
Tgt Ion:278 Resp: 328994

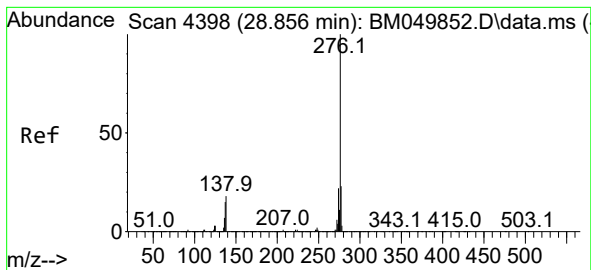
Ion Ratio Lower Upper

278 100

139 16.6 10.6 15.8#

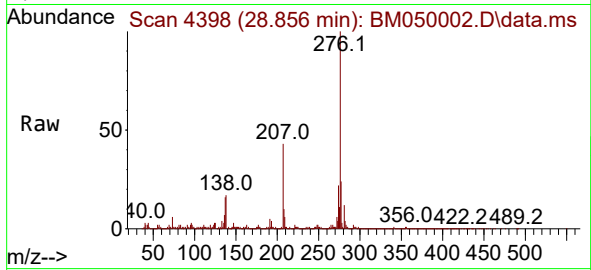
279 28.2 19.1 28.7





#92
 Benzo(g,h,i)perylene
 Concen: 13.985 ng
 RT: 28.856 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: BM050002.D
 Acq: 22 Apr 2025 19:05

Instrument :
 BNA_M
 ClientSampleId :
 PL-714-COMP-14



Tgt Ion: 276 Resp: 1198513
 Ion Ratio Lower Upper
 276 100
 277 24.4 18.7 28.1
 138 17.5 14.6 21.8

