

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042225\
 Data File : BM050003.D
 Acq On : 22 Apr 2025 19:44
 Operator : RC/JU
 Sample : Q1842-25 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PL-714-COMP-12

Quant Time: Apr 23 01:14:49 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)

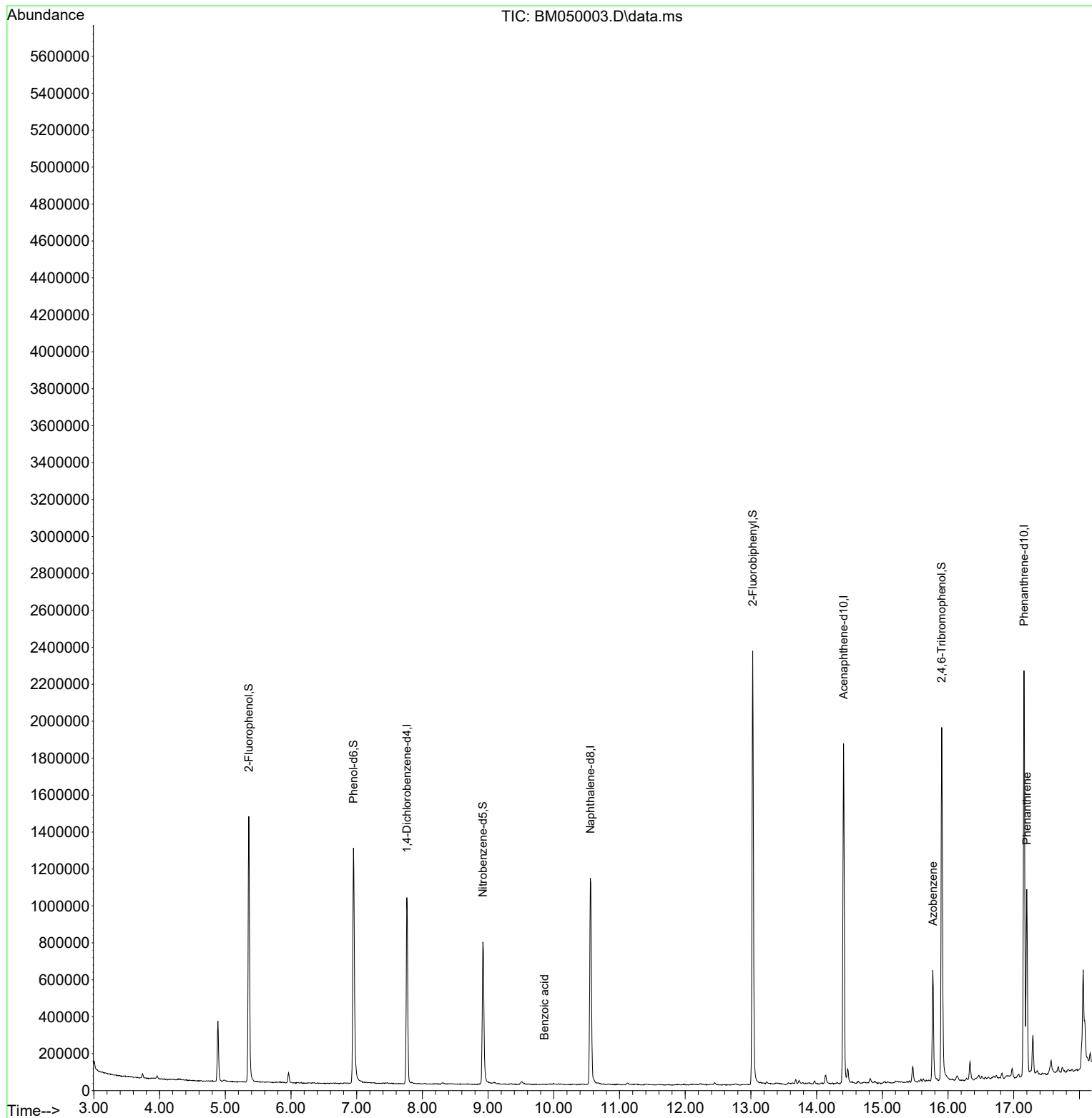
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	297549	20.000	ng	-0.02
21) Naphthalene-d8	10.557	136	1036718	20.000	ng	-0.02
39) Acenaphthene-d10	14.410	164	683172	20.000	ng	-0.01
64) Phenanthrene-d10	17.156	188	1378039	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1327744	20.000	ng	0.00
86) Perylene-d12	24.403	264	1418599	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	686822	39.196	ng	0.00
7) Phenol-d6	6.951	99	872774	40.033	ng	0.00
23) Nitrobenzene-d5	8.922	82	497620	26.729	ng	-0.01
42) 2,4,6-Tribromophenol	15.904	330	411086	41.369	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	1355416	26.903	ng	-0.02
79) Terphenyl-d14	19.780	244	2044074	28.851	ng	-0.01
Target Compounds						Qvalue
32) Benzoic acid	9.857	122	57	8.542	ng	# 1
63) Azobenzene	15.768	77	172837	4.368	ng	# 1
71) Phenanthrene	17.198	178	630874	8.350	ng	99
75) Fluoranthene	19.215	202	1108148	11.929	ng	99
78) Pyrene	19.580	202	975648	10.662	ng	99
81) Benzo(a)anthracene	21.380	228	440996	4.998	ng	99
83) Chrysene	21.439	228	421240	5.021	ng	97
87) Indeno(1,2,3-cd)pyrene	27.797	276	236818	2.240	ng	95
88) Benzo(b)fluoranthene	23.456	252	516466	5.700	ng	# 93
89) Benzo(k)fluoranthene	23.456	252	516466	5.882	ng	# 93
90) Benzo(a)pyrene	24.262	252	358725	4.506	ng	97
92) Benzo(g,h,i)perylene	28.850	276	231406	2.600	ng	96

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

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ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
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PL-714-COMP-12

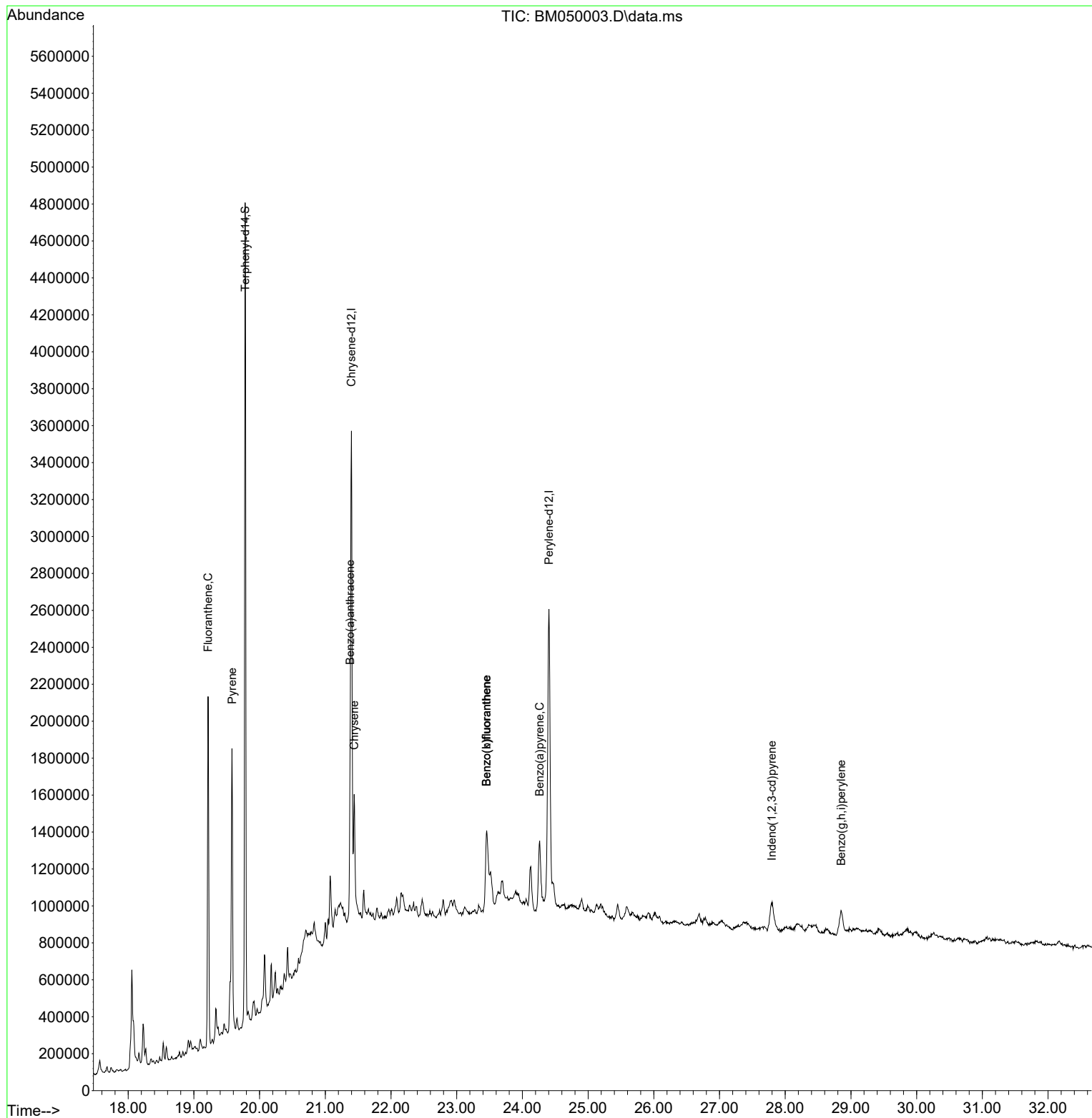
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
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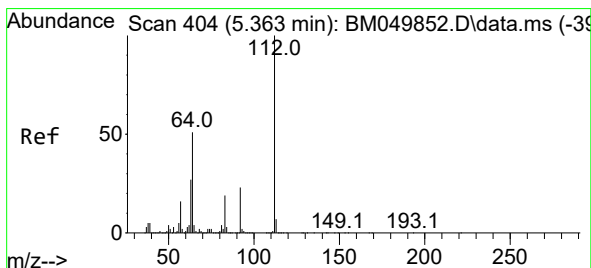
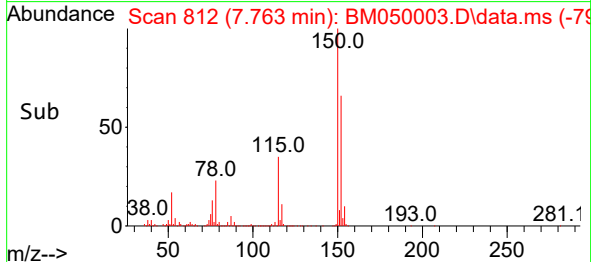
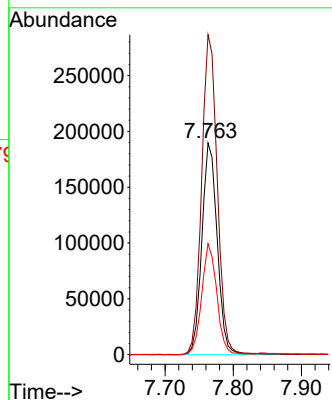
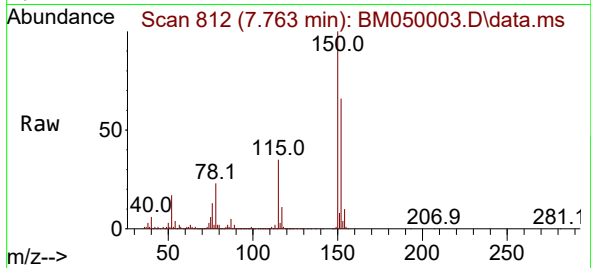




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 815
Delta R.T. -0.018 min
Lab File: BM050003.D
Acq: 22 Apr 2025 19:44

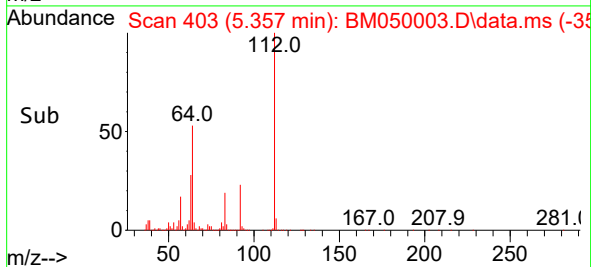
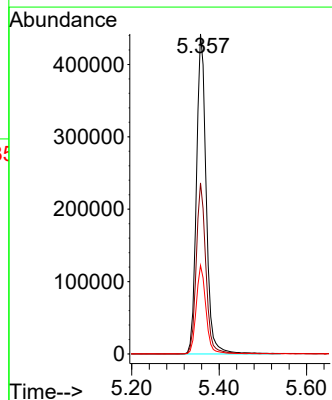
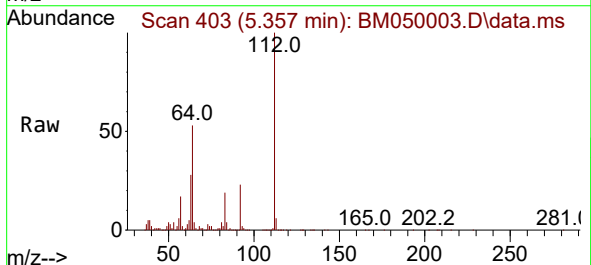
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-12

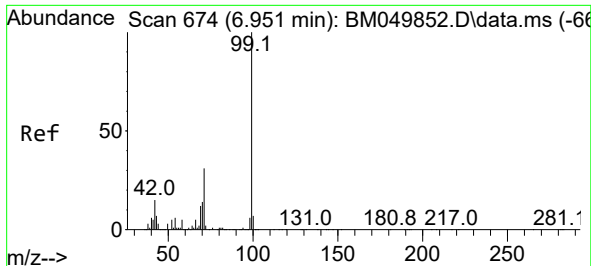
Tgt Ion:152 Resp: 297549
Ion Ratio Lower Upper
152 100
150 151.2 124.3 186.5
115 52.5 41.1 61.7



#5
2-Fluorophenol
Concen: 39.196 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM050003.D
Acq: 22 Apr 2025 19:44

Tgt Ion:112 Resp: 686822
Ion Ratio Lower Upper
112 100
64 53.5 41.0 61.6
63 27.6 21.5 32.3

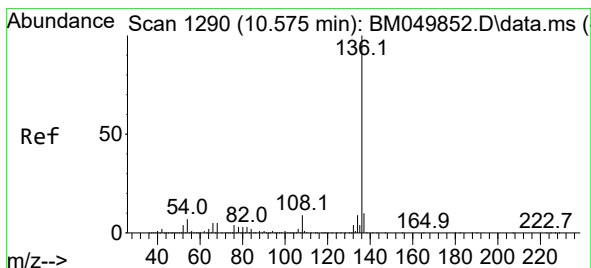
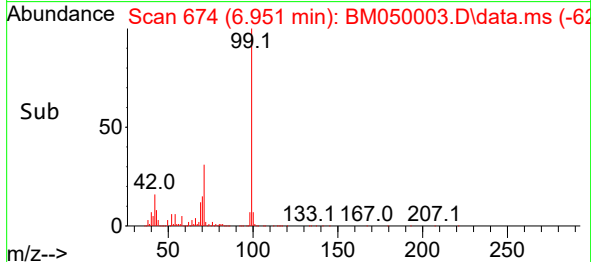
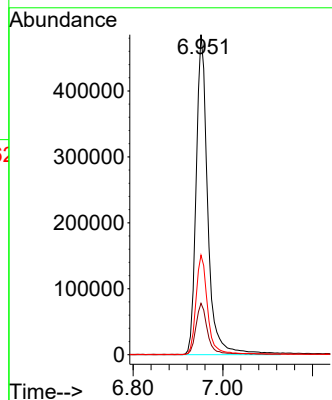
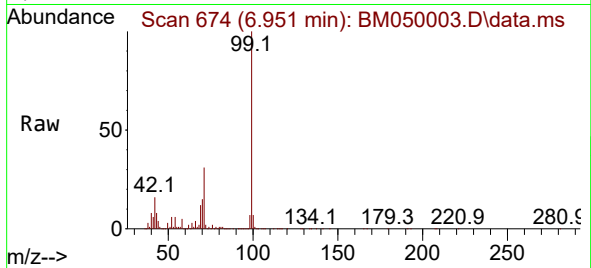




#7
Phenol-d6
Concen: 40.033 ng
RT: 6.951 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM050003.D
Acq: 22 Apr 2025 19:44

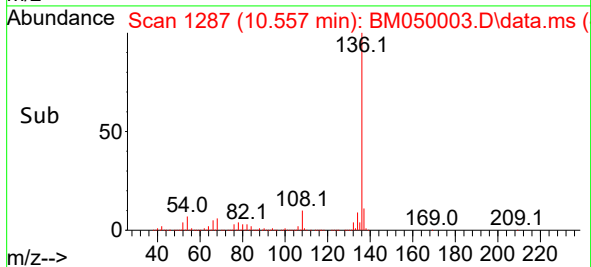
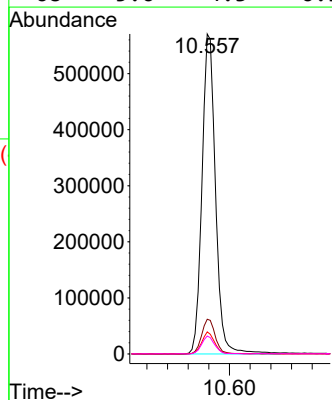
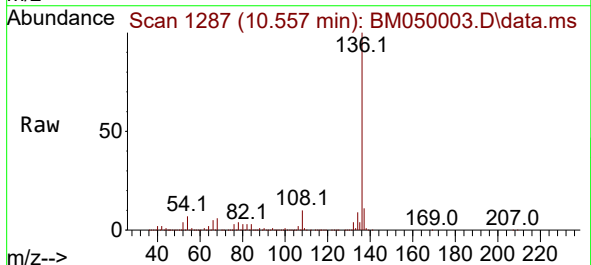
Instrument :
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ClientSampleId :
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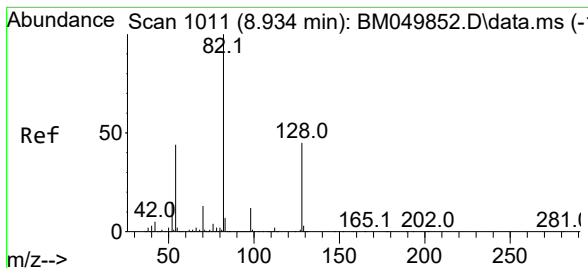
Tgt Ion: 99 Resp: 872774
Ion Ratio Lower Upper
99 100
42 16.1 12.1 18.1
71 31.1 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.018 min
Lab File: BM050003.D
Acq: 22 Apr 2025 19:44

Tgt Ion: 136 Resp: 1036718
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 6.9 5.3 7.9
68 5.6 4.3 6.5

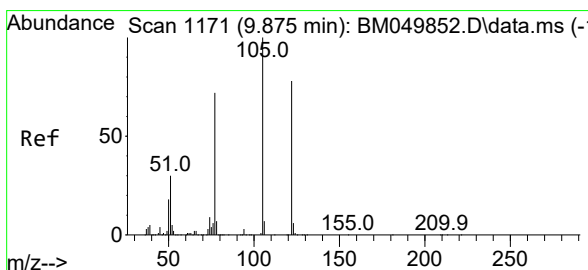
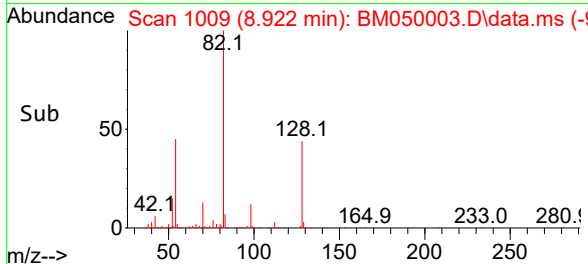
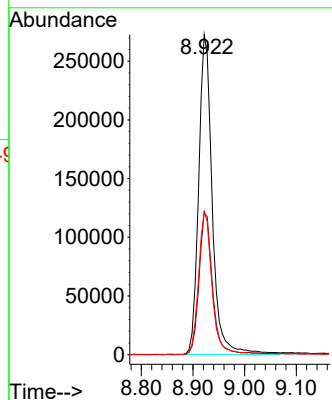
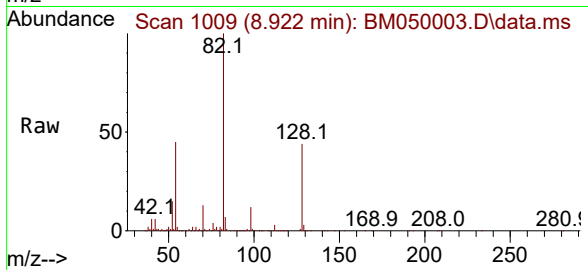




#23
Nitrobenzene-d5
Concen: 26.729 ng
RT: 8.922 min Scan# 1009
Delta R.T. -0.012 min
Lab File: BM050003.D
Acq: 22 Apr 2025 19:44

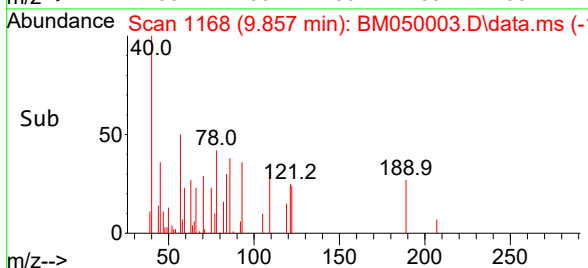
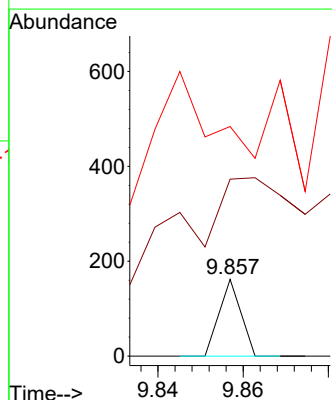
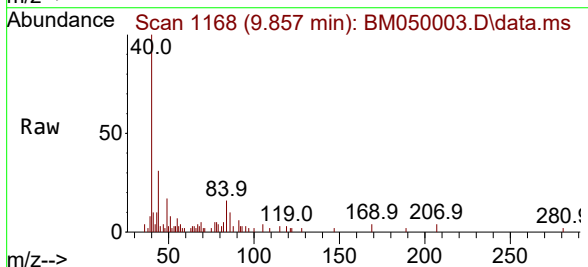
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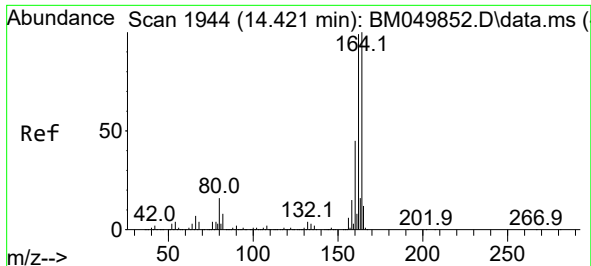
Tgt Ion: 82 Resp: 497620
Ion Ratio Lower Upper
82 100
128 44.3 36.2 54.2
54 44.8 35.0 52.6



#32
Benzoic acid
Concen: 8.542 ng
RT: 9.857 min Scan# 1168
Delta R.T. -0.018 min
Lab File: BM050003.D
Acq: 22 Apr 2025 19:44

Tgt Ion: 122 Resp: 57
Ion Ratio Lower Upper
122 100
105 230.2 103.8 143.8#
77 298.8 70.7 110.7#

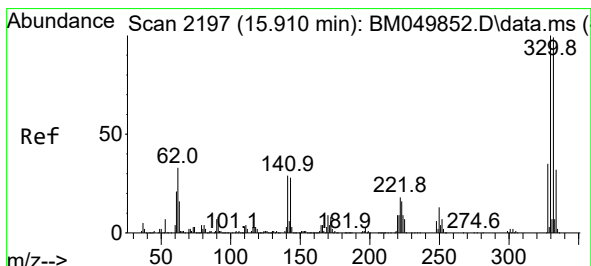
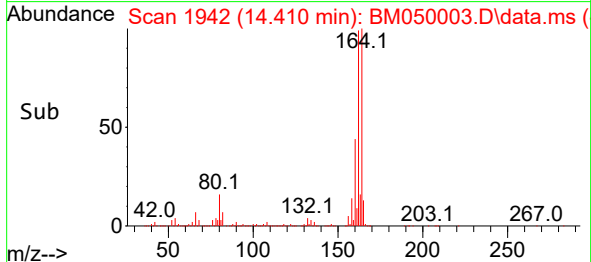
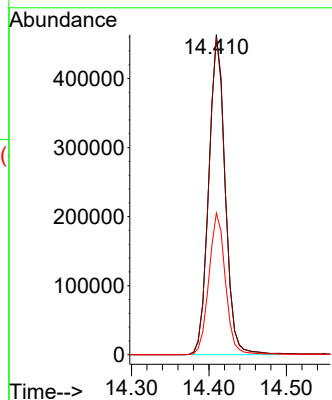
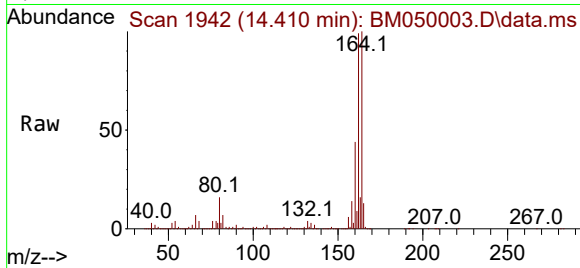




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.012 min
Lab File: BM050003.D
Acq: 22 Apr 2025 19:44

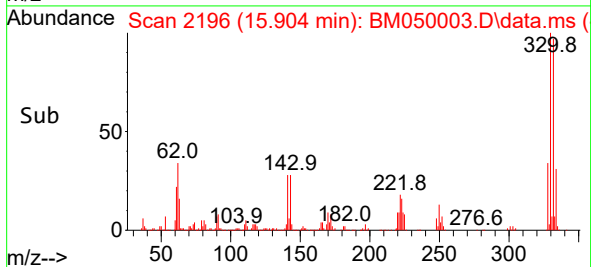
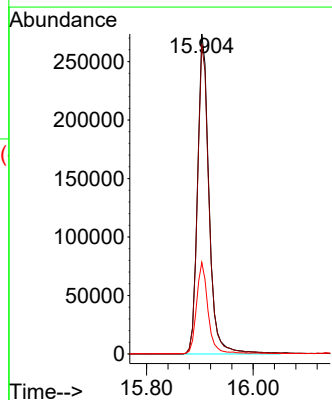
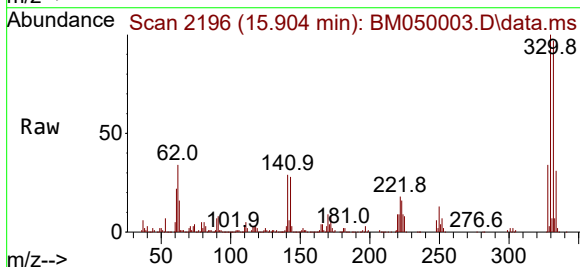
Instrument :
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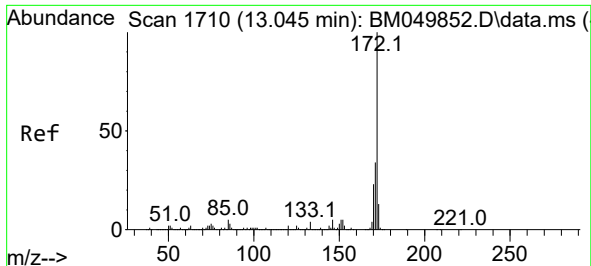
Tgt Ion:164 Resp: 683172
Ion Ratio Lower Upper
164 100
162 99.2 79.4 119.0
160 44.2 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 41.369 ng
RT: 15.904 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BM050003.D
Acq: 22 Apr 2025 19:44

Tgt Ion:330 Resp: 411086
Ion Ratio Lower Upper
330 100
332 97.3 78.0 117.0
141 28.2 23.5 35.3

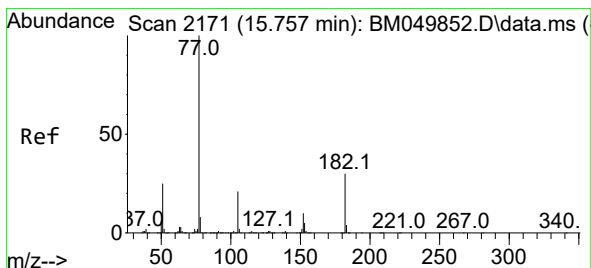
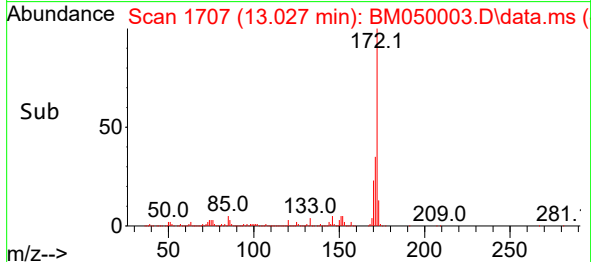
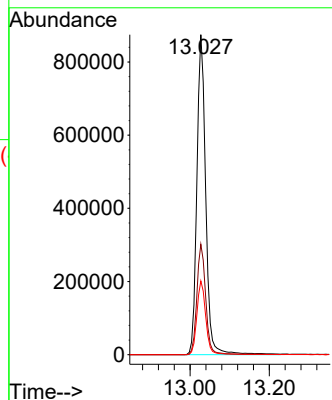
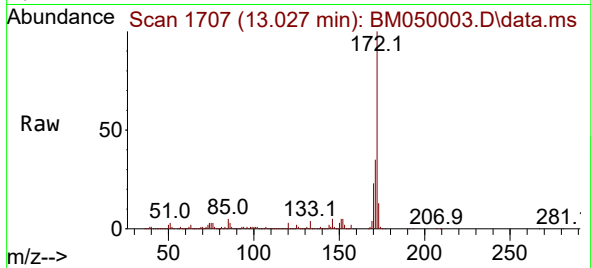




#45
2-Fluorobiphenyl
Concen: 26.903 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM050003.D
Acq: 22 Apr 2025 19:44

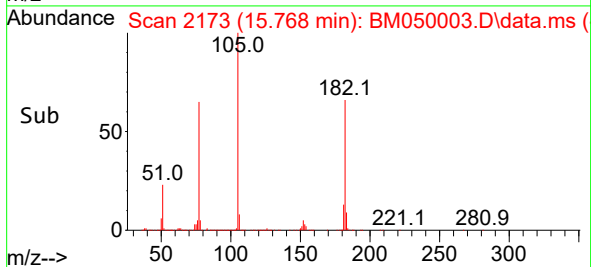
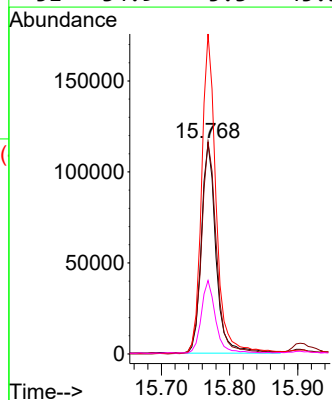
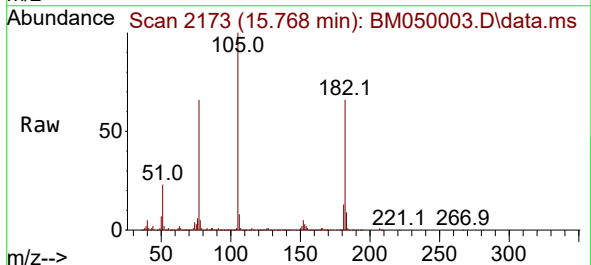
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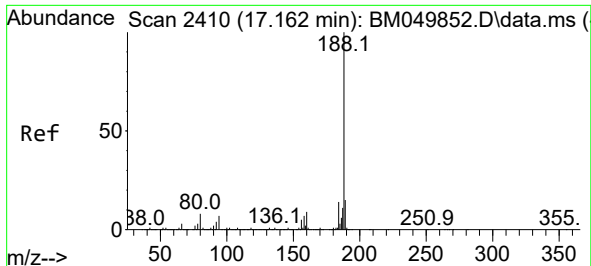
Tgt Ion:172 Resp: 1355416
Ion Ratio Lower Upper
172 100
171 34.5 27.4 41.2
170 23.0 18.6 28.0



#63
Azobenzene
Concen: 4.368 ng
RT: 15.768 min Scan# 2173
Delta R.T. 0.012 min
Lab File: BM050003.D
Acq: 22 Apr 2025 19:44

Tgt Ion: 77 Resp: 172837
Ion Ratio Lower Upper
77 100
182 100.7 10.4 50.4#
105 152.0 1.5 41.5#
51 34.9 5.3 45.3

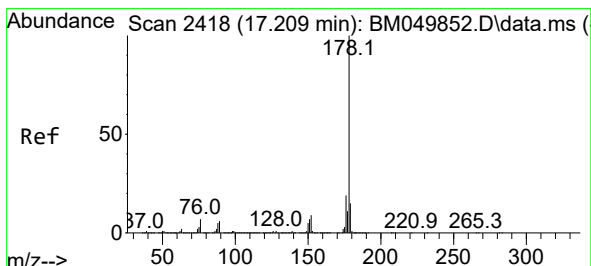
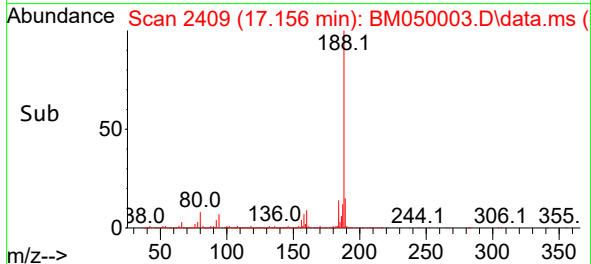
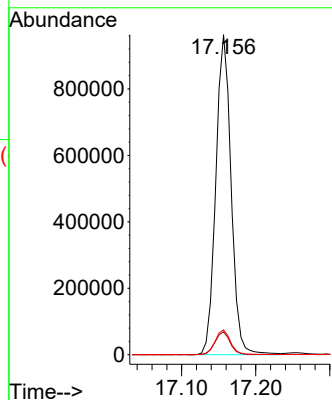
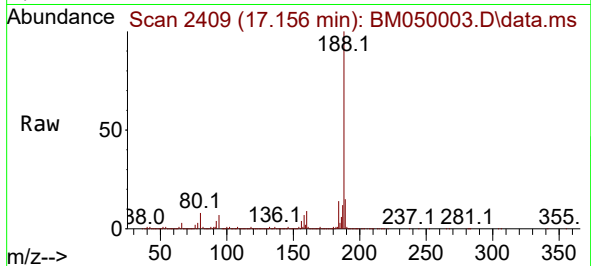




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.156 min Scan# 2410
Delta R.T. -0.006 min
Lab File: BM050003.D
Acq: 22 Apr 2025 19:44

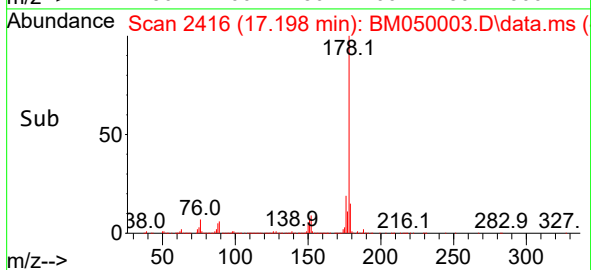
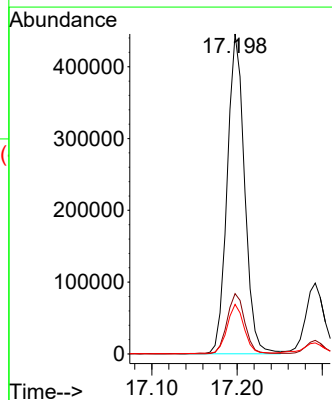
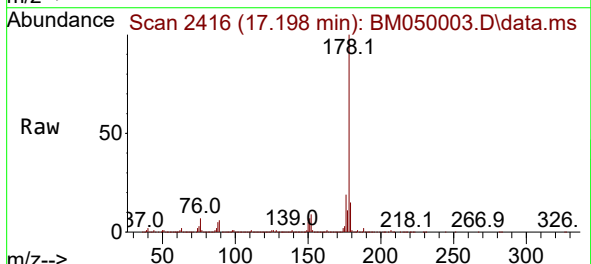
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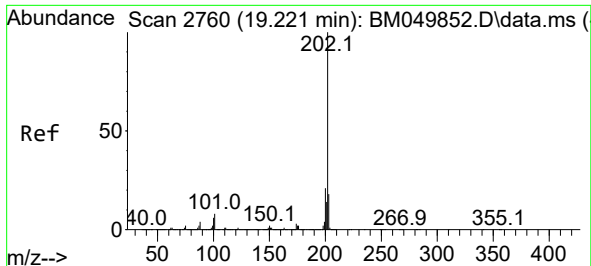
Tgt Ion:188 Resp: 1378039
Ion Ratio Lower Upper
188 100
94 7.2 5.8 8.6
80 7.8 6.4 9.6



#71
Phenanthrene
Concen: 8.350 ng
RT: 17.198 min Scan# 2416
Delta R.T. -0.012 min
Lab File: BM050003.D
Acq: 22 Apr 2025 19:44

Tgt Ion:178 Resp: 630874
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 15.5 12.3 18.5

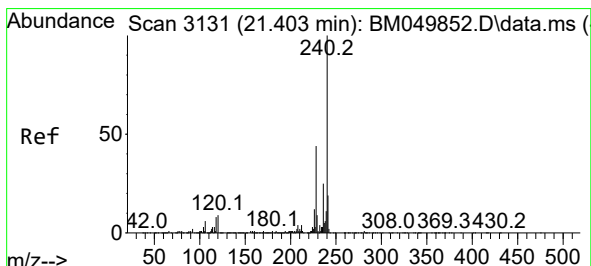
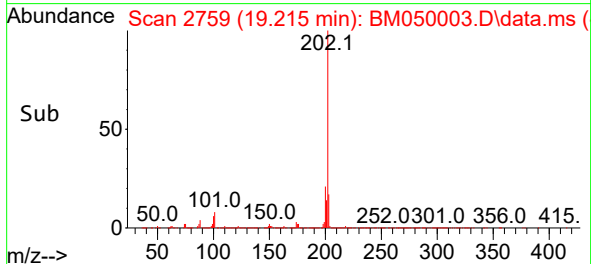
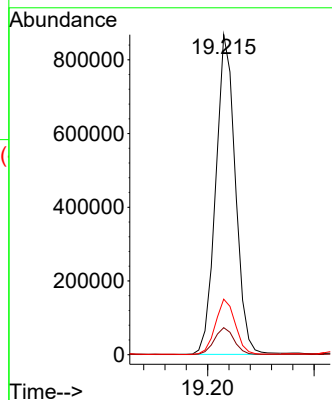
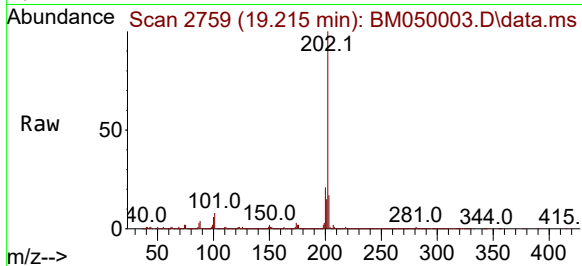




#75
Fluoranthene
Concen: 11.929 ng
RT: 19.215 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050003.D
Acq: 22 Apr 2025 19:44

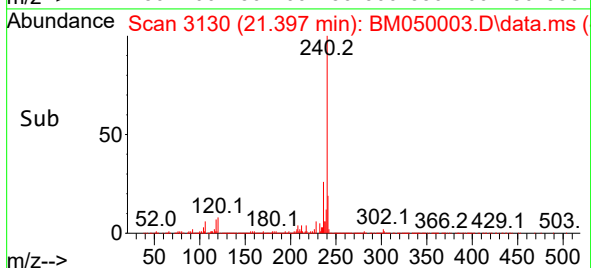
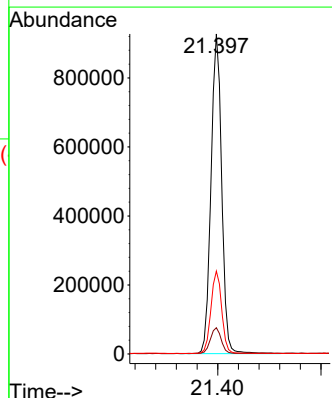
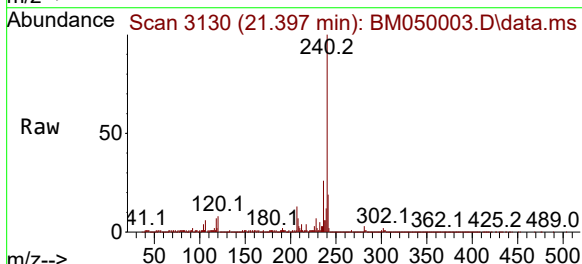
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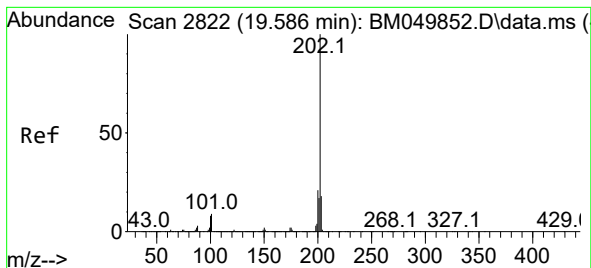
Tgt Ion:202 Resp: 1108148
Ion Ratio Lower Upper
202 100
101 8.5 0.0 28.4
203 17.4 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BM050003.D
Acq: 22 Apr 2025 19:44

Tgt Ion:240 Resp: 1327744
Ion Ratio Lower Upper
240 100
120 8.2 6.9 10.3
236 25.9 20.4 30.6





#78

Pyrene

Concen: 10.662 ng

RT: 19.580 min Scan# 2822

Delta R.T. -0.006 min

Lab File: BM050003.D

Acq: 22 Apr 2025 19:44

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-12

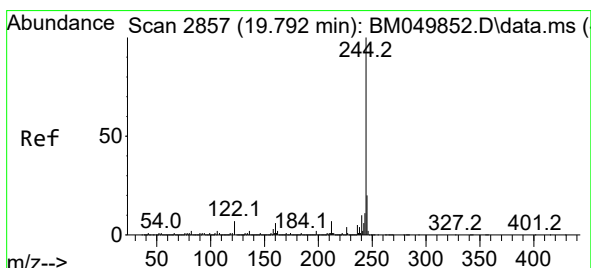
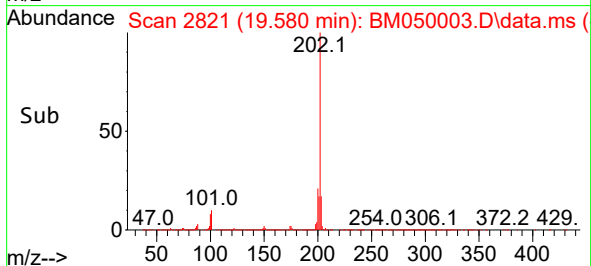
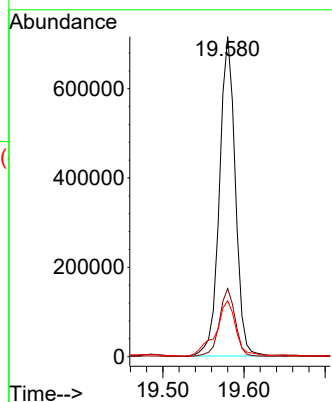
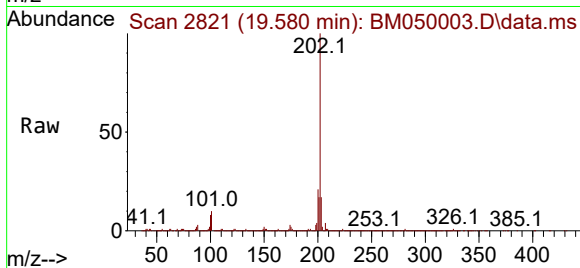
Tgt Ion:202 Resp: 975648

Ion Ratio Lower Upper

202 100

200 21.3 16.5 24.7

203 17.5 14.0 21.0



#79

Terphenyl-d14

Concen: 28.851 ng

RT: 19.780 min Scan# 2855

Delta R.T. -0.012 min

Lab File: BM050003.D

Acq: 22 Apr 2025 19:44

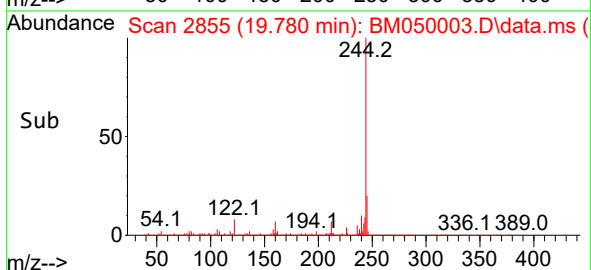
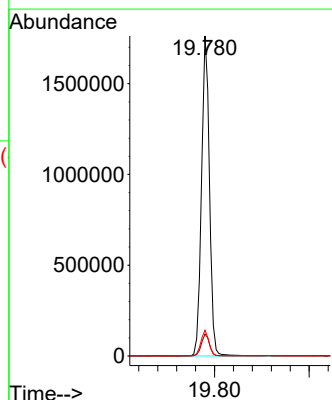
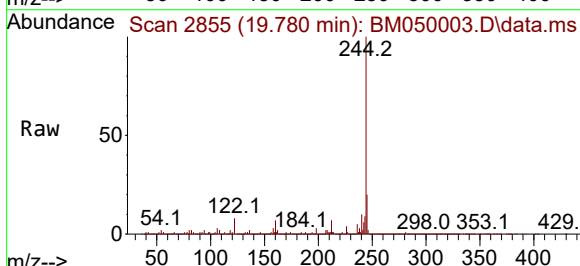
Tgt Ion:244 Resp: 2044074

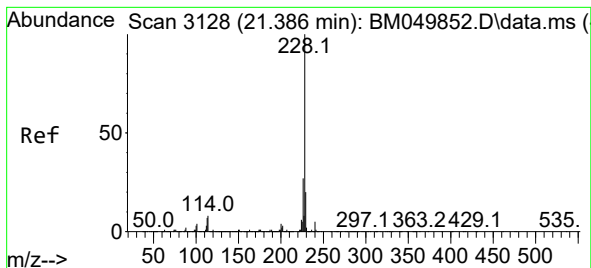
Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

122 8.1 5.4 8.0#





#81

Benzo(a)anthracene

Concen: 4.998 ng

RT: 21.380 min Scan# 3128

Delta R.T. -0.006 min

Lab File: BM050003.D

Acq: 22 Apr 2025 19:44

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-12

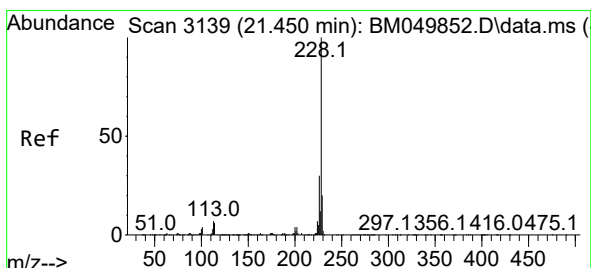
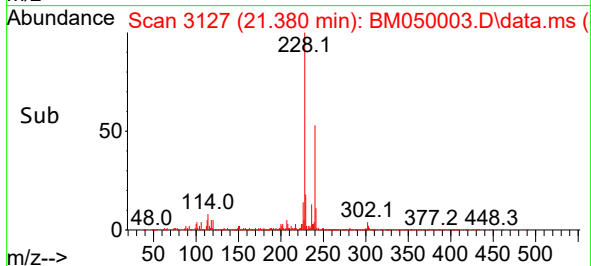
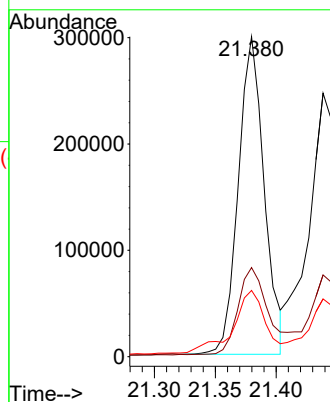
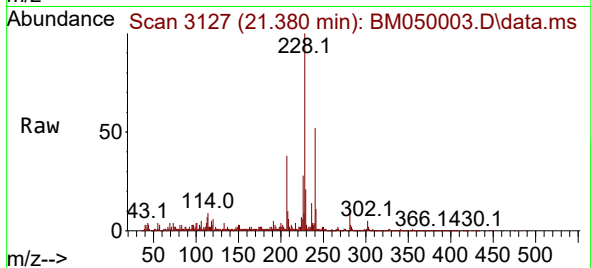
Tgt Ion:228 Resp: 440996

Ion Ratio Lower Upper

228 100

226 27.9 21.8 32.8

229 20.7 15.8 23.8



#83

Chrysene

Concen: 5.021 ng

RT: 21.439 min Scan# 3137

Delta R.T. -0.012 min

Lab File: BM050003.D

Acq: 22 Apr 2025 19:44

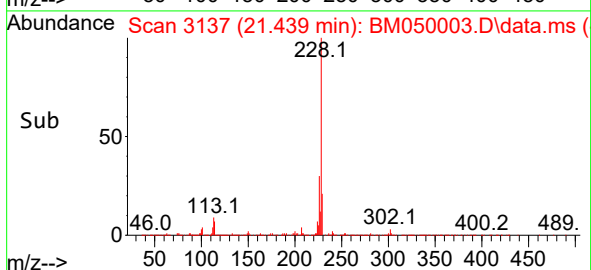
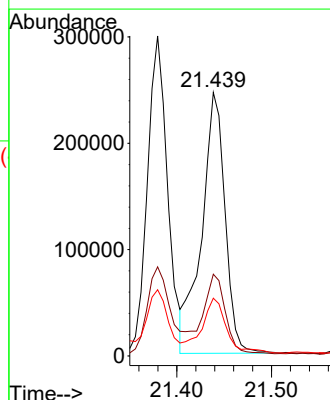
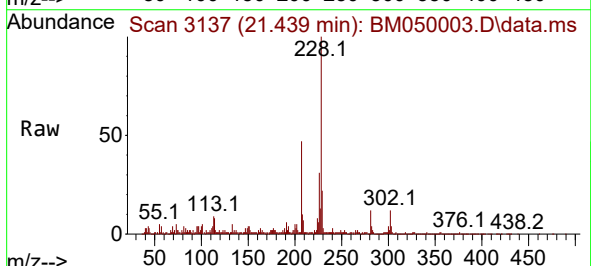
Tgt Ion:228 Resp: 421240

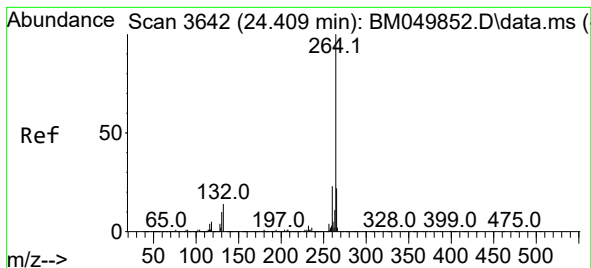
Ion Ratio Lower Upper

228 100

226 31.0 24.1 36.1

229 21.9 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: BM050003.D

Acq: 22 Apr 2025 19:44

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-12

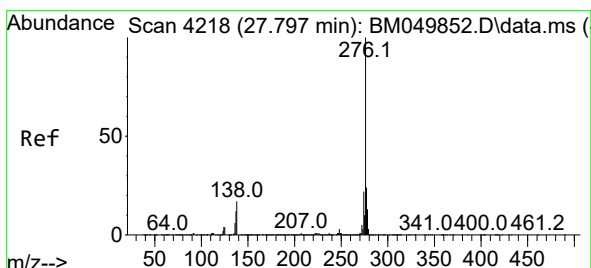
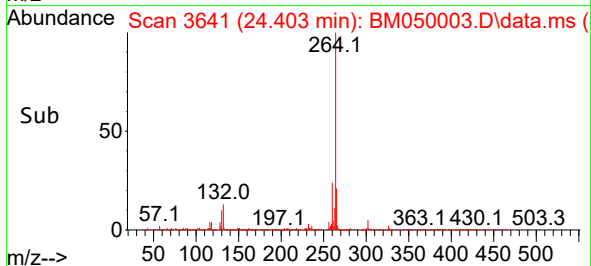
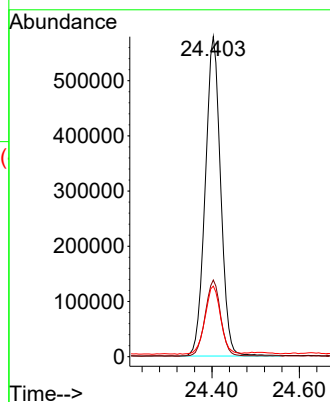
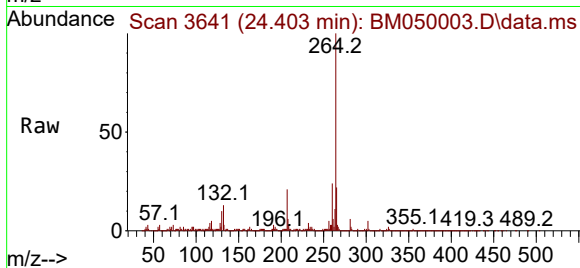
Tgt Ion:264 Resp: 1418599

Ion Ratio Lower Upper

264 100

260 24.0 18.6 28.0

265 22.1 17.8 26.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.240 ng

RT: 27.797 min Scan# 4218

Delta R.T. -0.000 min

Lab File: BM050003.D

Acq: 22 Apr 2025 19:44

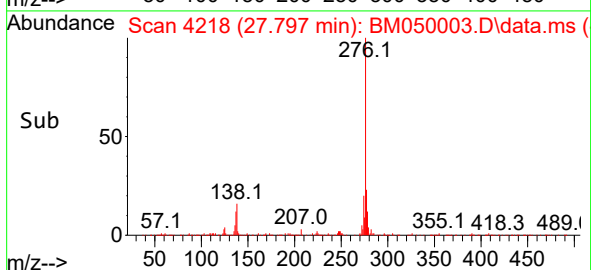
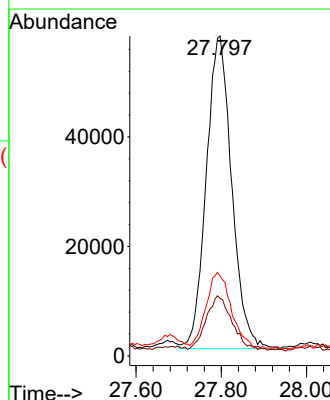
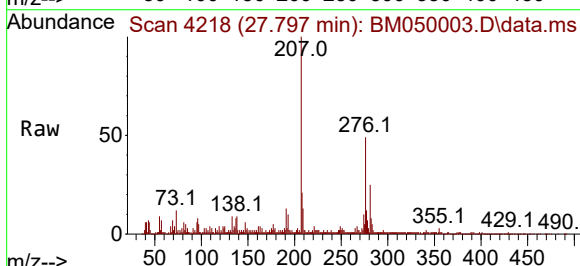
Tgt Ion:276 Resp: 236818

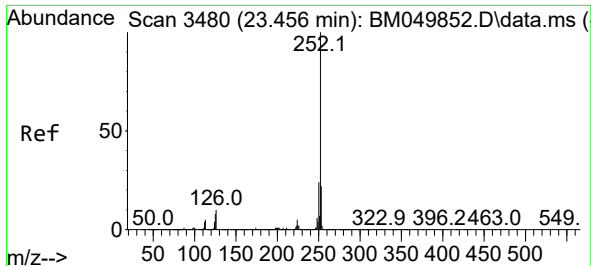
Ion Ratio Lower Upper

276 100

138 17.8 16.8 25.2

277 23.8 20.1 30.1

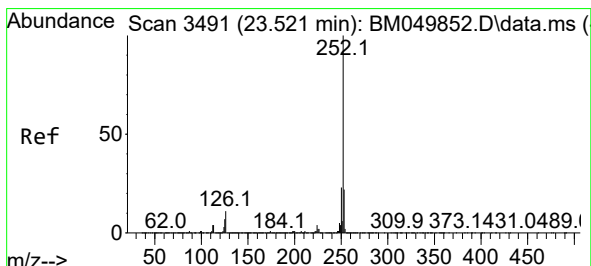
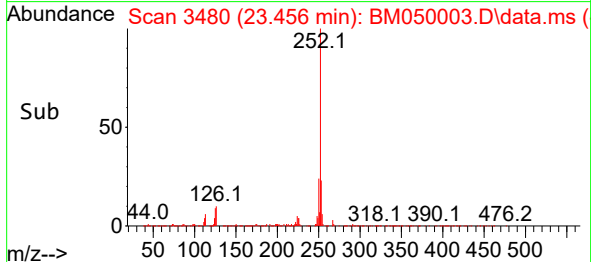
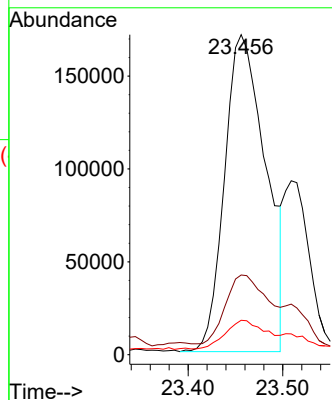
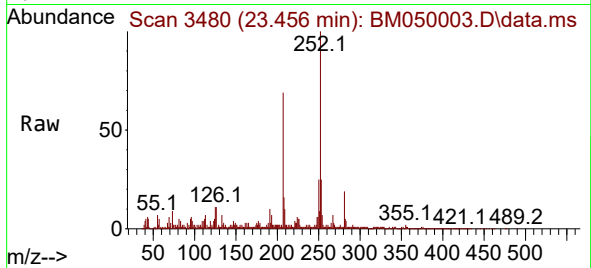




#88
Benzo(b)fluoranthene
Concen: 5.700 ng
RT: 23.456 min Scan# 3480
Delta R.T. -0.000 min
Lab File: BM050003.D
Acq: 22 Apr 2025 19:44

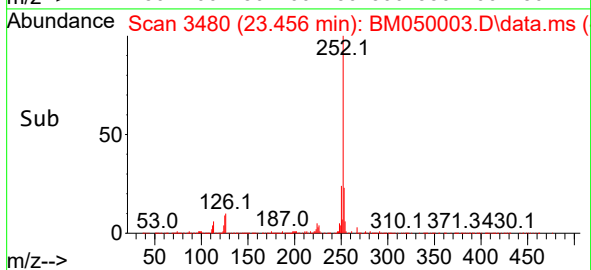
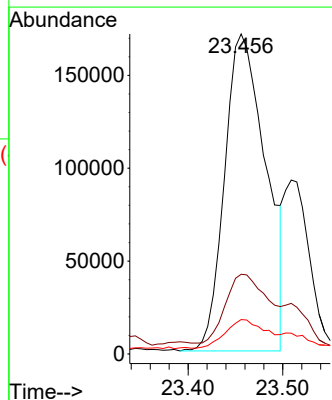
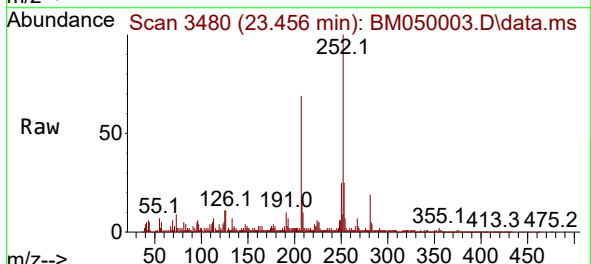
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-12

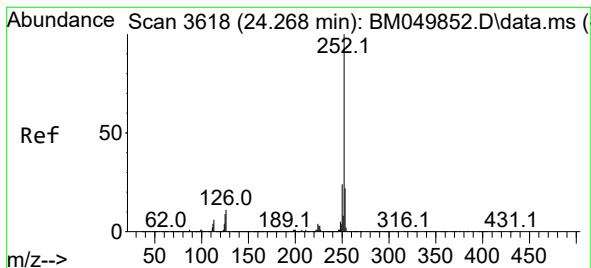
Tgt Ion:252 Resp: 516466
Ion Ratio Lower Upper
252 100
253 24.9 17.5 26.3
125 10.7 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 5.882 ng
RT: 23.456 min Scan# 3480
Delta R.T. -0.065 min
Lab File: BM050003.D
Acq: 22 Apr 2025 19:44

Tgt Ion:252 Resp: 516466
Ion Ratio Lower Upper
252 100
253 24.9 17.4 26.2
125 10.7 5.8 8.8#





#90

Benzo(a)pyrene

Concen: 4.506 ng

RT: 24.262 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM050003.D

Acq: 22 Apr 2025 19:44

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-12

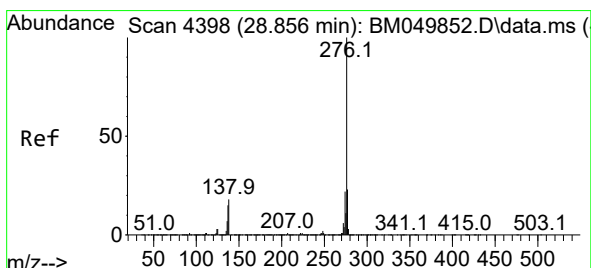
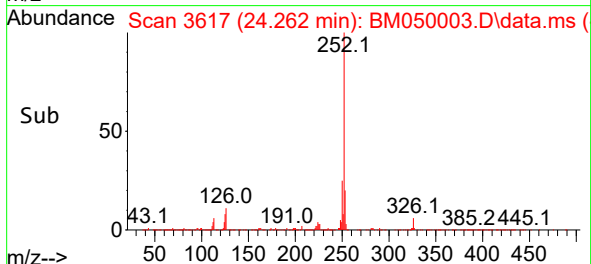
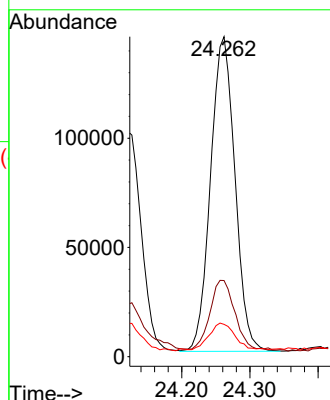
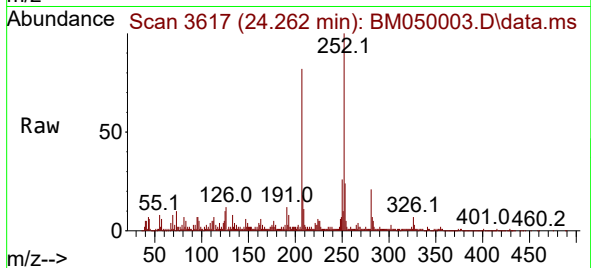
Tgt Ion:252 Resp: 358725

Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.8

125 10.1 7.0 10.4



#92

Benzo(g,h,i)perylene

Concen: 2.600 ng

RT: 28.850 min Scan# 4397

Delta R.T. -0.006 min

Lab File: BM050003.D

Acq: 22 Apr 2025 19:44

Tgt Ion:276 Resp: 231406

Ion Ratio Lower Upper

276 100

277 25.8 18.7 28.1

138 19.4 14.6 21.8

