

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042225\
 Data File : BM050004.D
 Acq On : 22 Apr 2025 20:24
 Operator : RC/JU
 Sample : Q1842-31 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PL-714-COMP-13

Quant Time: Apr 23 01:15:09 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)

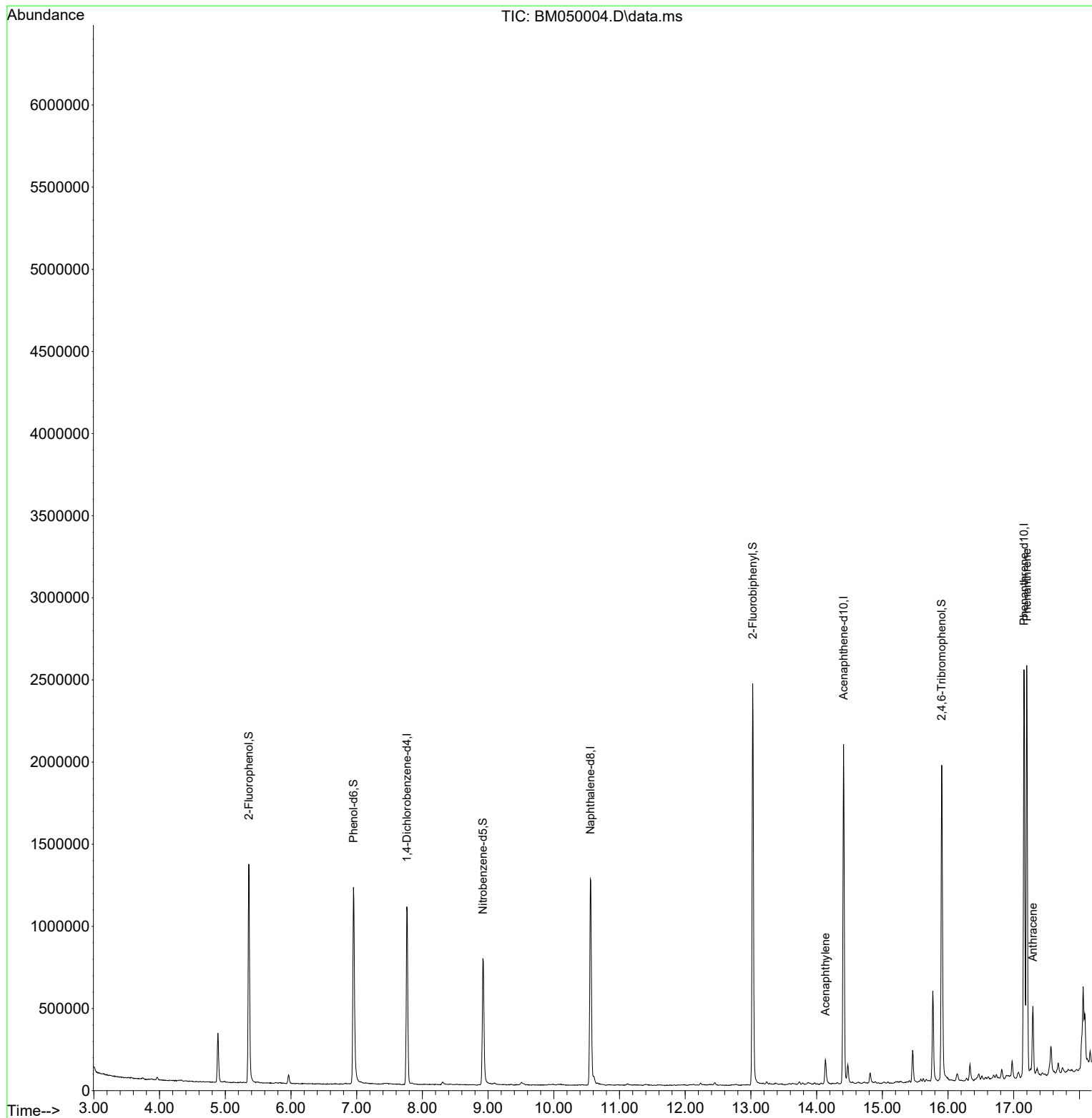
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	326570	20.000	ng	-0.02
21) Naphthalene-d8	10.557	136	1140880	20.000	ng	-0.02
39) Acenaphthene-d10	14.410	164	757006	20.000	ng	-0.01
64) Phenanthrene-d10	17.156	188	1510967	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1462449	20.000	ng	0.00
86) Perylene-d12	24.403	264	1508528	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	631768	32.850	ng	0.00
7) Phenol-d6	6.951	99	814062	34.021	ng	0.00
23) Nitrobenzene-d5	8.922	82	501840	24.494	ng	-0.01
42) 2,4,6-Tribromophenol	15.904	330	408549	37.104	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	1394426	24.978	ng	-0.02
79) Terphenyl-d14	19.780	244	2043720	26.189	ng	-0.01
Target Compounds						
						Qvalue
49) Acenaphthylene	14.133	152	131800	2.046	ng	99
71) Phenanthrene	17.198	178	1558546	18.815	ng	100
72) Anthracene	17.292	178	283107	3.468	ng	99
75) Fluoranthene	19.215	202	3185026	31.271	ng	100
78) Pyrene	19.580	202	2689447	26.684	ng	99
81) Benzo(a)anthracene	21.380	228	1027496	10.572	ng	99
83) Chrysene	21.439	228	1041201m	11.268	ng	
87) Indeno(1,2,3-cd)pyrene	27.797	276	714947	6.358	ng	97
88) Benzo(b)fluoranthene	23.456	252	1421001	14.749	ng	98
89) Benzo(k)fluoranthene	23.509	252	467295m	5.005	ng	
90) Benzo(a)pyrene	24.262	252	985748	11.644	ng	99
92) Benzo(g,h,i)perylene	28.856	276	738261	7.800	ng	99

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

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BNA_M
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PL-714-COMP-13

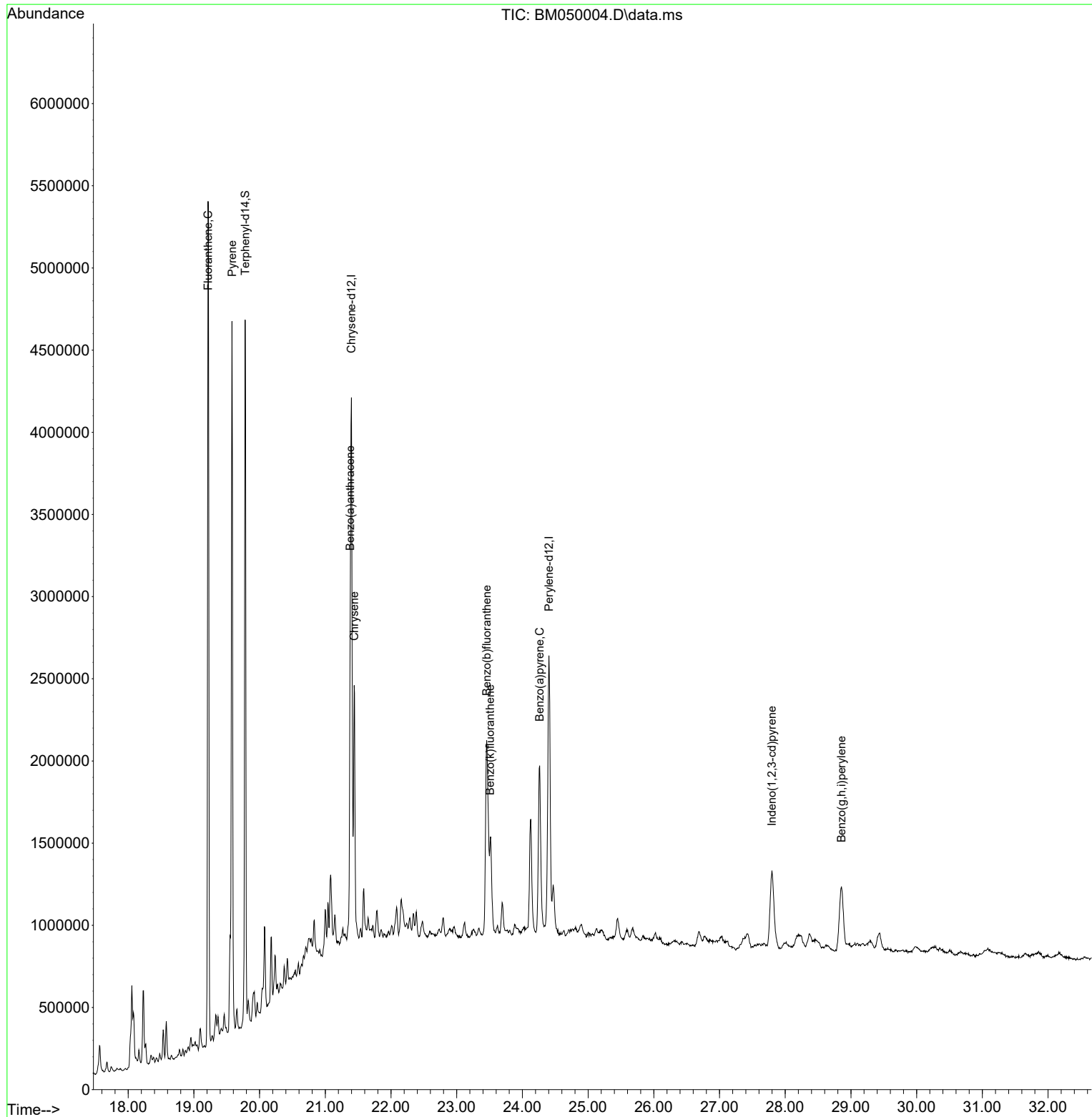
Quant Time: Apr 23 01:15:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
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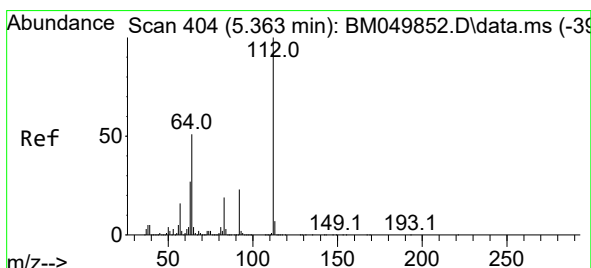
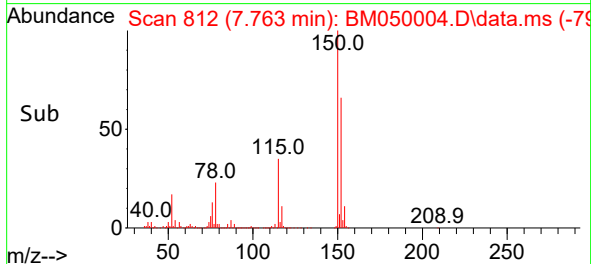
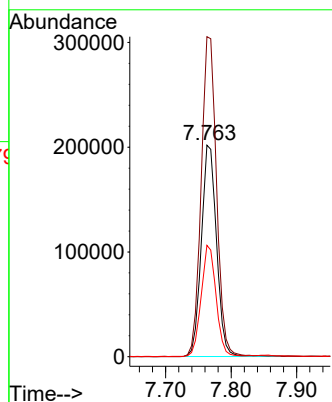
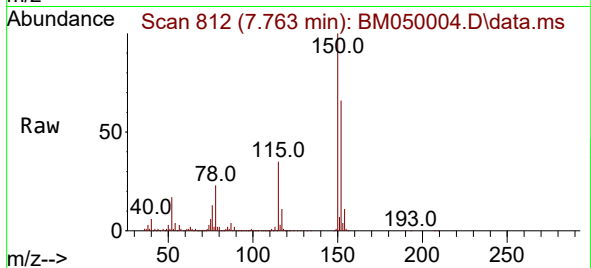




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 815
Delta R.T. -0.018 min
Lab File: BM050004.D
Acq: 22 Apr 2025 20:24

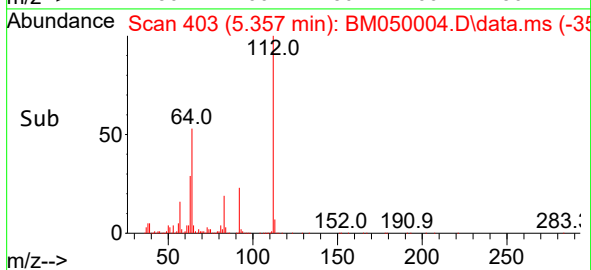
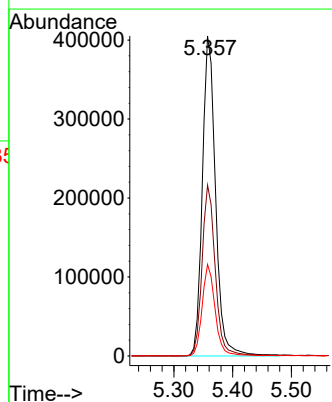
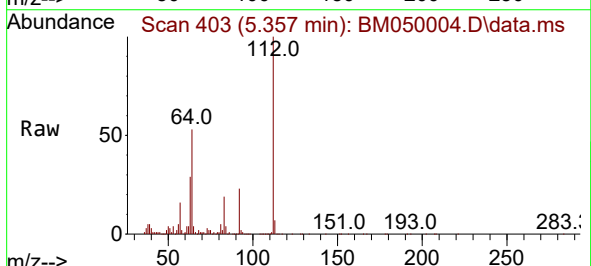
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-13

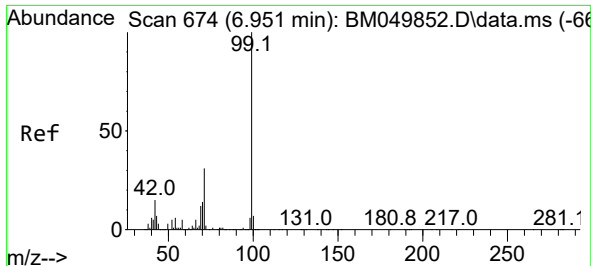
Tgt Ion:152 Resp: 326570
Ion Ratio Lower Upper
152 100
150 151.3 124.3 186.5
115 52.6 41.1 61.7



#5
2-Fluorophenol
Concen: 32.850 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM050004.D
Acq: 22 Apr 2025 20:24

Tgt Ion:112 Resp: 631768
Ion Ratio Lower Upper
112 100
64 53.4 41.0 61.6
63 28.6 21.5 32.3

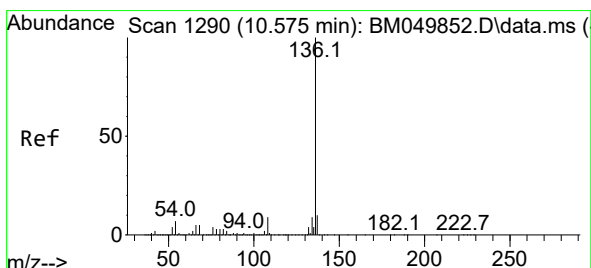
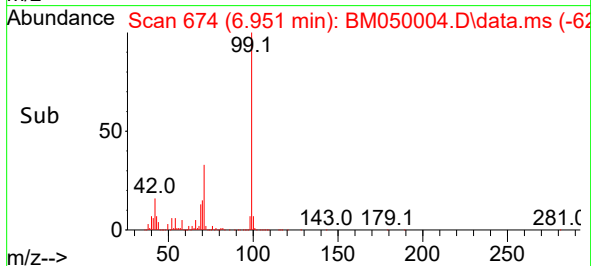
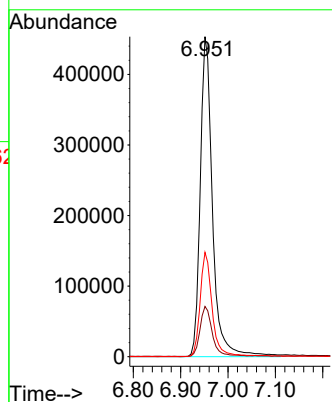
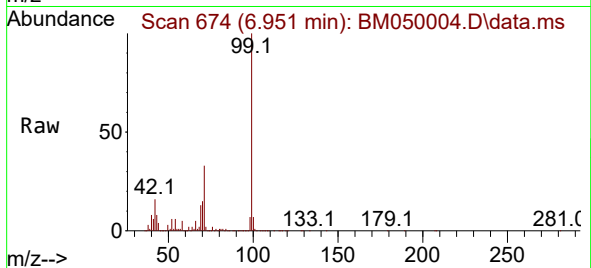




#7
Phenol-d6
Concen: 34.021 ng
RT: 6.951 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM050004.D
Acq: 22 Apr 2025 20:24

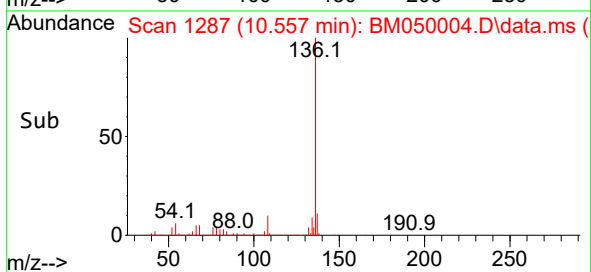
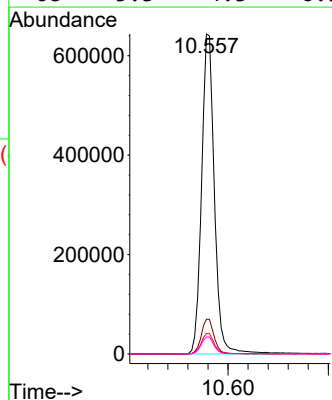
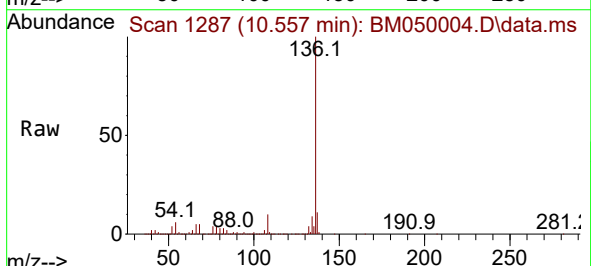
Instrument :
BNA_M
ClientSampleId :
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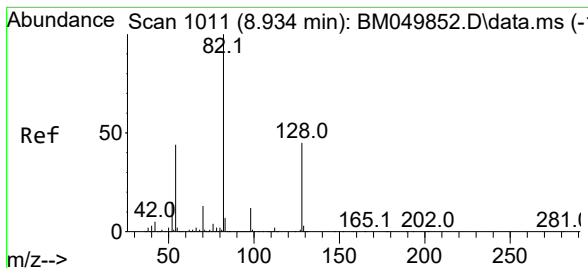
Tgt Ion: 99 Resp: 814062
Ion Ratio Lower Upper
99 100
42 15.7 12.1 18.1
71 32.6 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.018 min
Lab File: BM050004.D
Acq: 22 Apr 2025 20:24

Tgt Ion: 136 Resp: 1140880
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 6.3 5.3 7.9
68 5.3 4.3 6.5

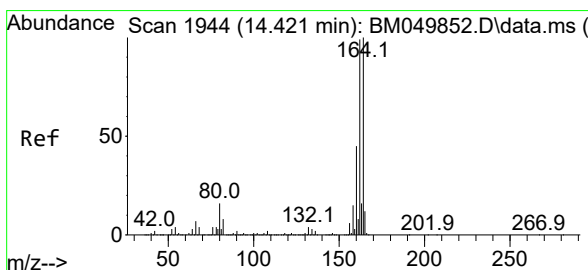
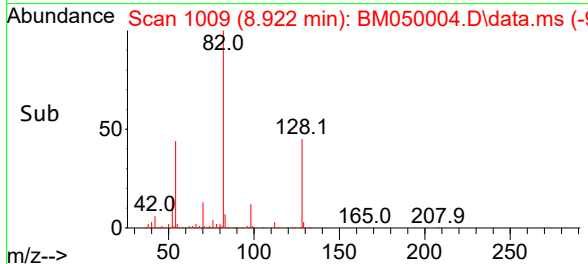
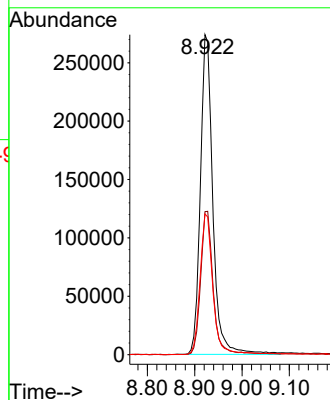
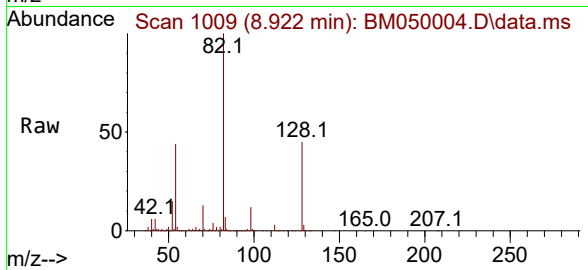




#23
Nitrobenzene-d5
Concen: 24.494 ng
RT: 8.922 min Scan# 1009
Delta R.T. -0.012 min
Lab File: BM050004.D
Acq: 22 Apr 2025 20:24

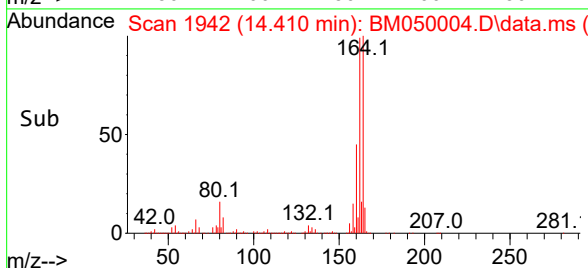
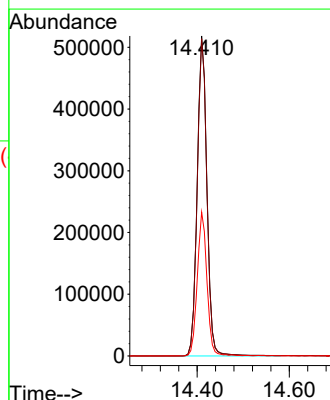
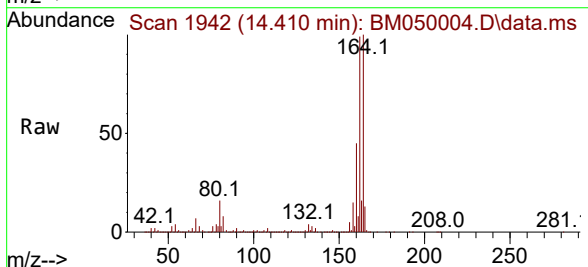
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-13

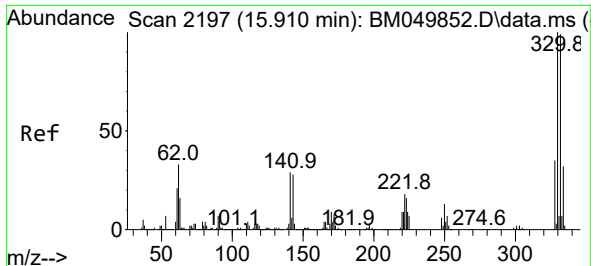
Tgt Ion: 82 Resp: 501840
Ion Ratio Lower Upper
82 100
128 44.7 36.2 54.2
54 44.0 35.0 52.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.012 min
Lab File: BM050004.D
Acq: 22 Apr 2025 20:24

Tgt Ion: 164 Resp: 757006
Ion Ratio Lower Upper
164 100
162 99.1 79.4 119.0
160 44.9 36.2 54.2

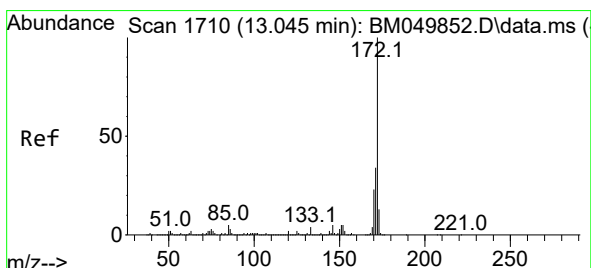
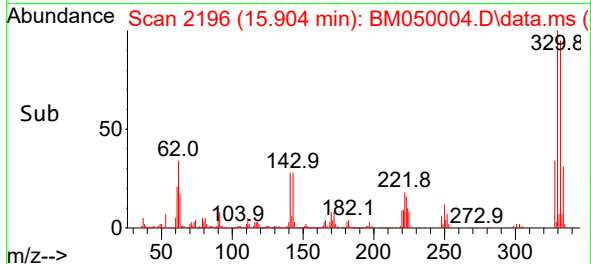
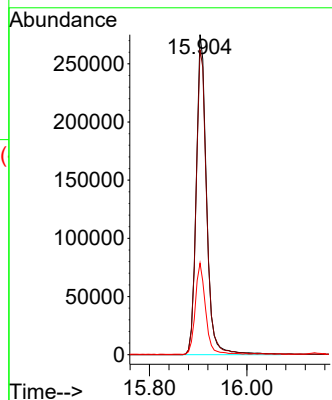
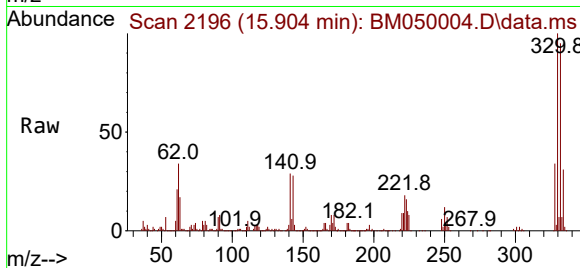




#42
2,4,6-Tribromophenol
Concen: 37.104 ng
RT: 15.904 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BM050004.D
Acq: 22 Apr 2025 20:24

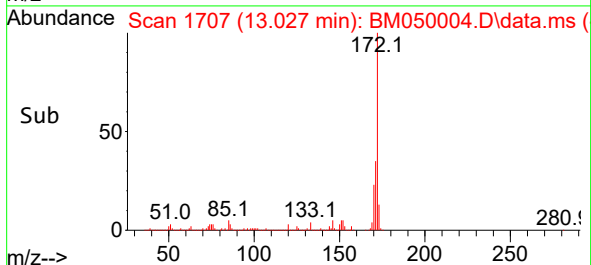
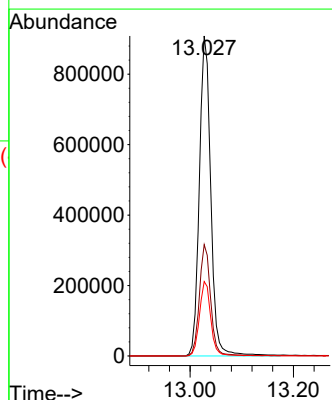
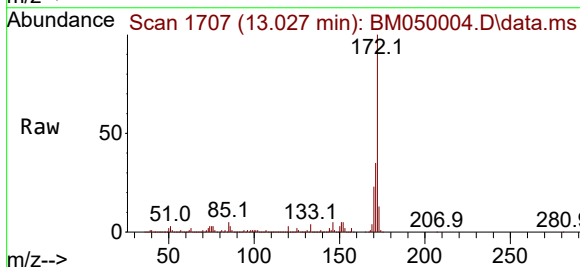
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-13

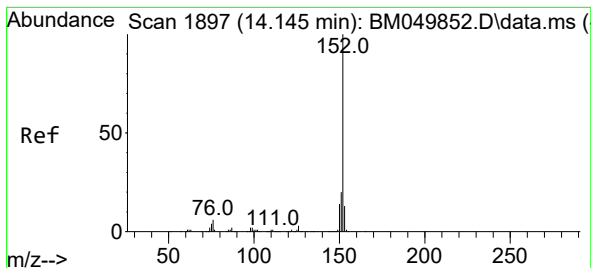
Tgt Ion:330 Resp: 408549
Ion Ratio Lower Upper
330 100
332 96.8 78.0 117.0
141 28.4 23.5 35.3



#45
2-Fluorobiphenyl
Concen: 24.978 ng
RT: 13.027 min Scan# 1707
Delta R.T. -0.018 min
Lab File: BM050004.D
Acq: 22 Apr 2025 20:24

Tgt Ion:172 Resp: 1394426
Ion Ratio Lower Upper
172 100
171 34.8 27.4 41.2
170 23.3 18.6 28.0





#49

Acenaphthylene

Concen: 2.046 ng

RT: 14.133 min Scan# 1895

Delta R.T. -0.012 min

Lab File: BM050004.D

Acq: 22 Apr 2025 20:24

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-13

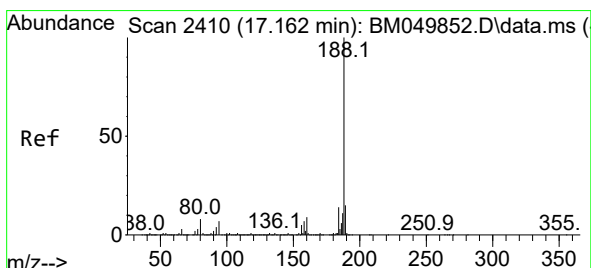
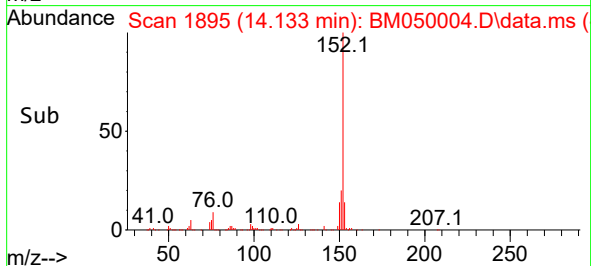
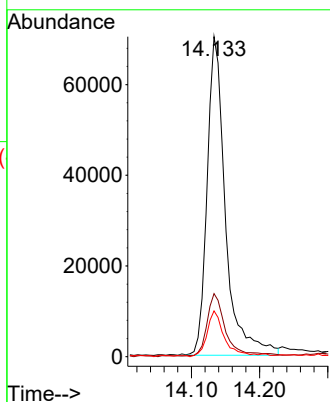
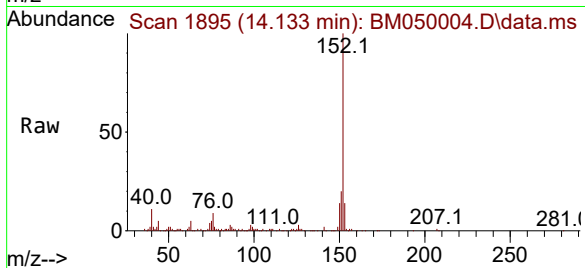
Tgt Ion:152 Resp: 131800

Ion Ratio Lower Upper

152 100

151 19.7 15.7 23.5

153 14.3 10.4 15.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.156 min Scan# 2409

Delta R.T. -0.006 min

Lab File: BM050004.D

Acq: 22 Apr 2025 20:24

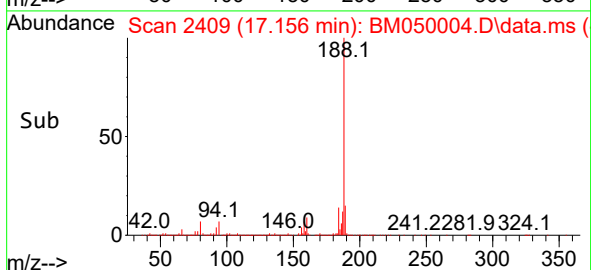
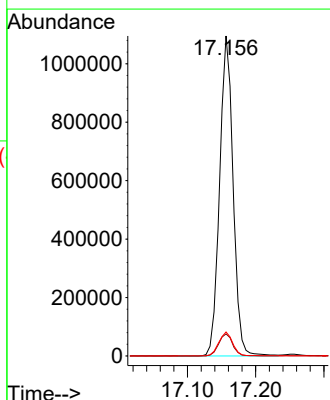
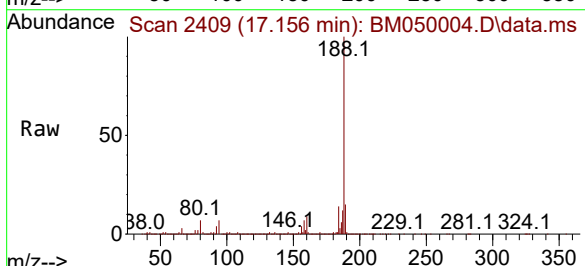
Tgt Ion:188 Resp: 1510967

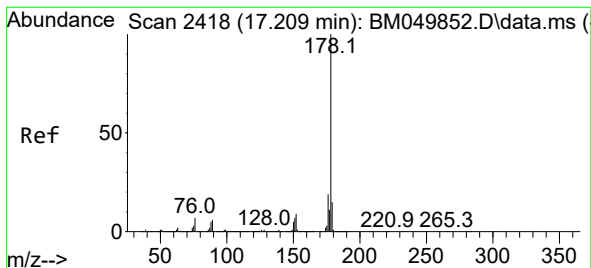
Ion Ratio Lower Upper

188 100

94 6.9 5.8 8.6

80 7.5 6.4 9.6





#71

Phenanthrene

Concen: 18.815 ng

RT: 17.198 min Scan# 2418

Delta R.T. -0.012 min

Lab File: BM050004.D

Acq: 22 Apr 2025 20:24

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-13

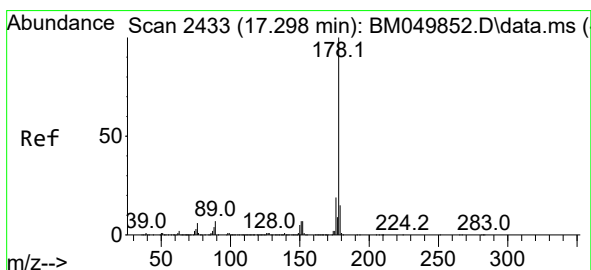
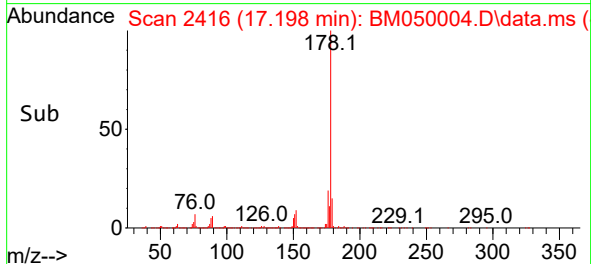
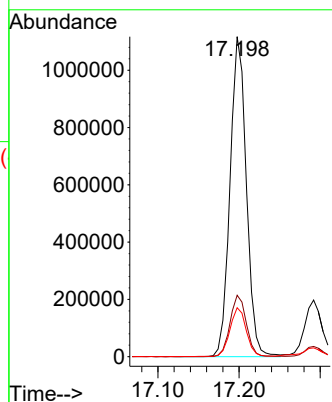
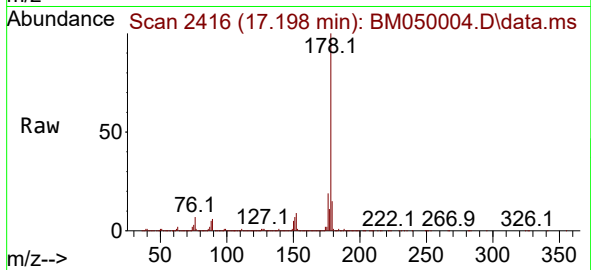
Tgt Ion:178 Resp: 1558546

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

179 15.3 12.3 18.5



#72

Anthracene

Concen: 3.468 ng

RT: 17.292 min Scan# 2432

Delta R.T. -0.006 min

Lab File: BM050004.D

Acq: 22 Apr 2025 20:24

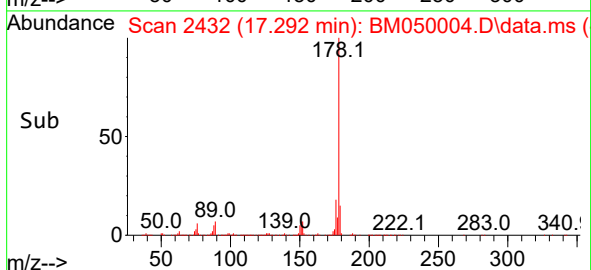
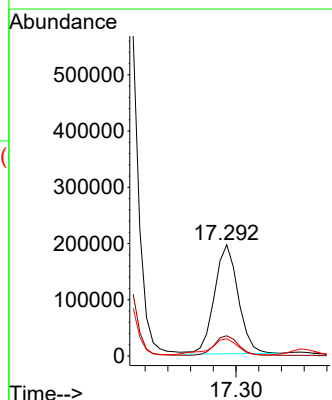
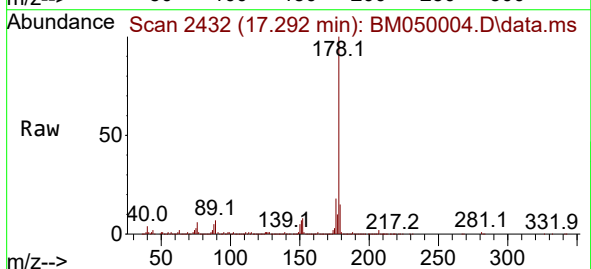
Tgt Ion:178 Resp: 283107

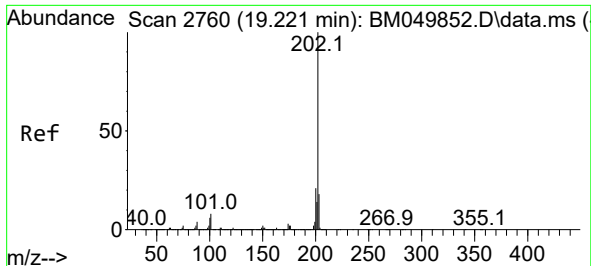
Ion Ratio Lower Upper

178 100

176 18.1 15.1 22.7

179 15.5 12.4 18.6

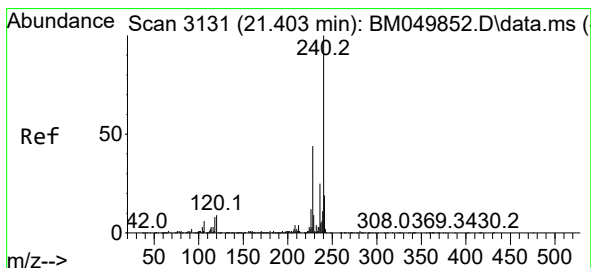
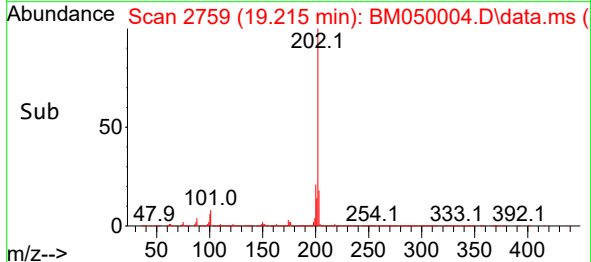
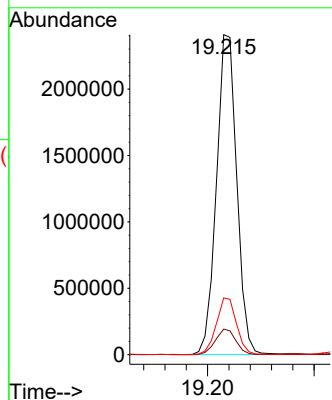
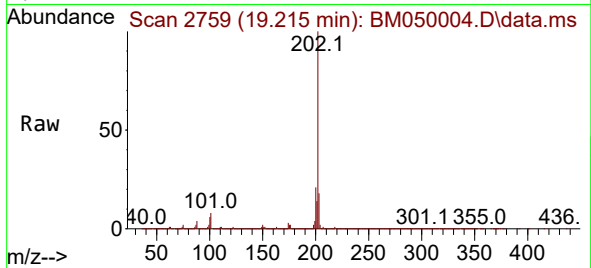




#75
Fluoranthene
Concen: 31.271 ng
RT: 19.215 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050004.D
Acq: 22 Apr 2025 20:24

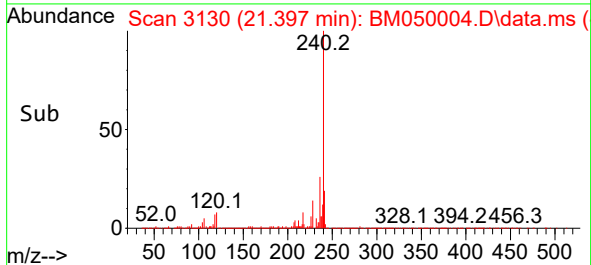
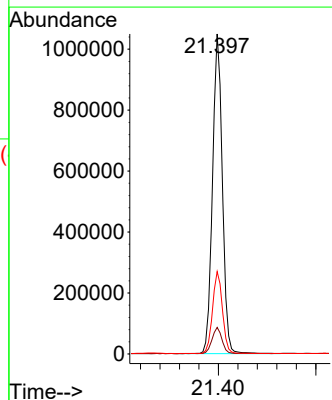
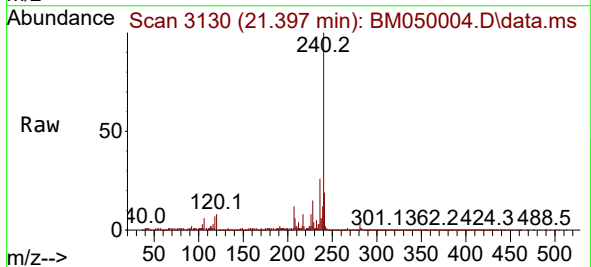
Instrument :
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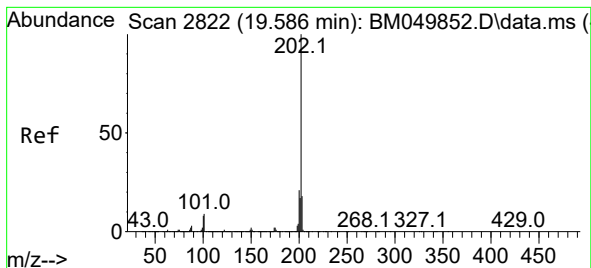
Tgt Ion:202 Resp: 3185026
Ion Ratio Lower Upper
202 100
101 8.0 0.0 28.4
203 17.8 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BM050004.D
Acq: 22 Apr 2025 20:24

Tgt Ion:240 Resp: 1462449
Ion Ratio Lower Upper
240 100
120 8.3 6.9 10.3
236 25.8 20.4 30.6





#78

Pyrene

Concen: 26.684 ng

RT: 19.580 min Scan# 2822

Delta R.T. -0.006 min

Lab File: BM050004.D

Acq: 22 Apr 2025 20:24

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-13

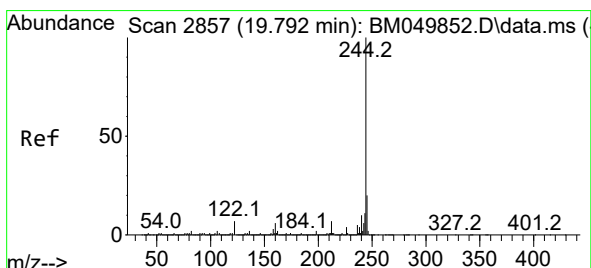
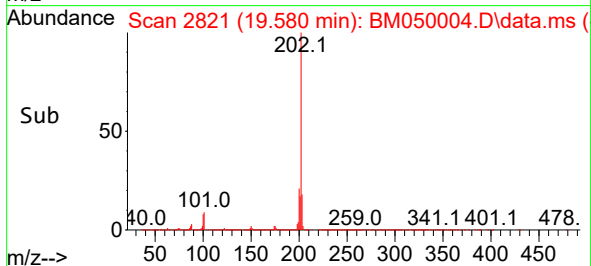
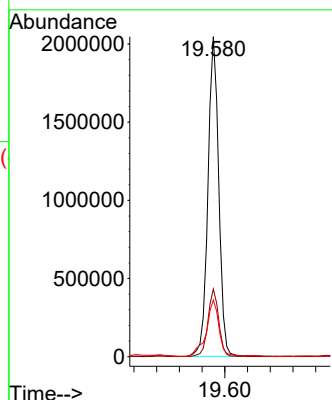
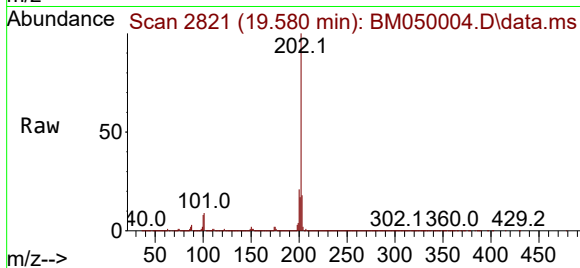
Tgt Ion:202 Resp: 2689447

Ion Ratio Lower Upper

202 100

200 21.2 16.5 24.7

203 17.7 14.0 21.0



#79

Terphenyl-d14

Concen: 26.189 ng

RT: 19.780 min Scan# 2855

Delta R.T. -0.012 min

Lab File: BM050004.D

Acq: 22 Apr 2025 20:24

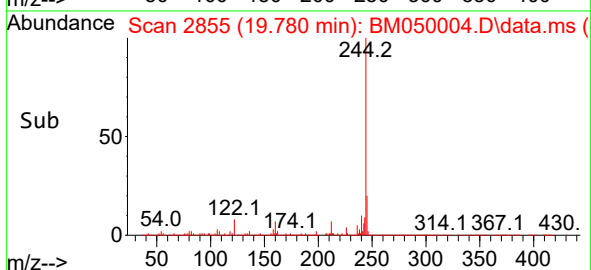
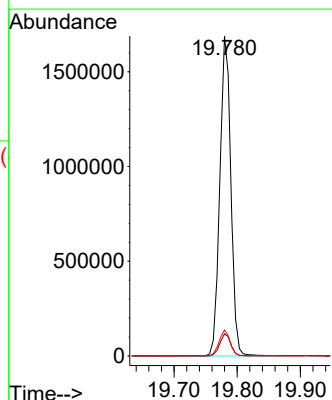
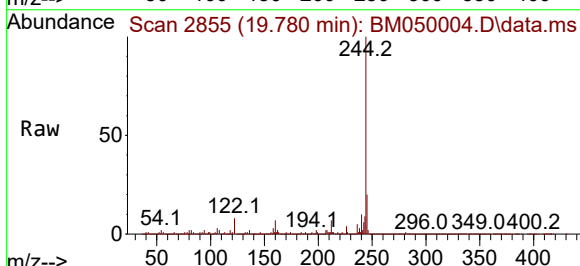
Tgt Ion:244 Resp: 2043720

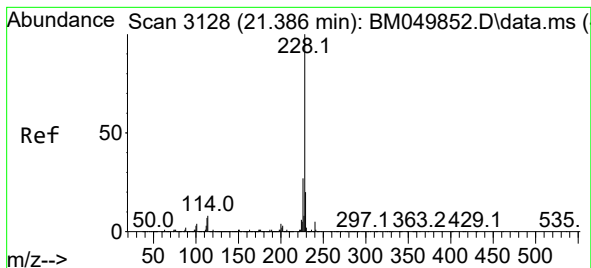
Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

122 8.1 5.4 8.0#





#81

Benzo(a)anthracene

Concen: 10.572 ng

RT: 21.380 min Scan# 3128

Delta R.T. -0.006 min

Lab File: BM050004.D

Acq: 22 Apr 2025 20:24

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-13

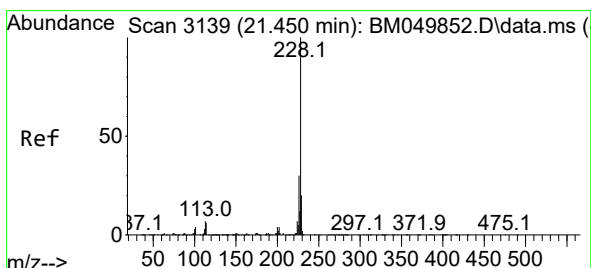
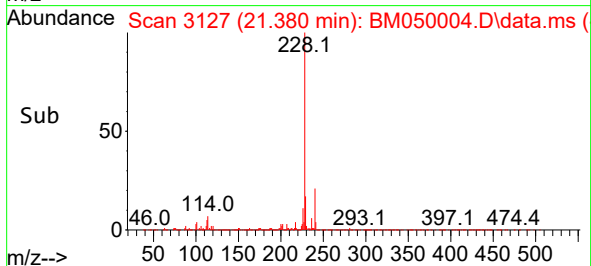
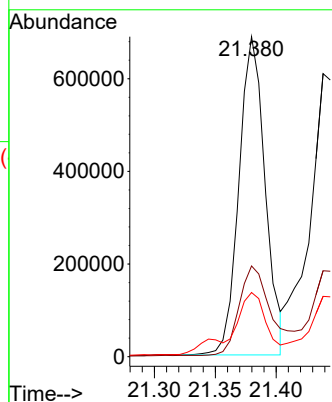
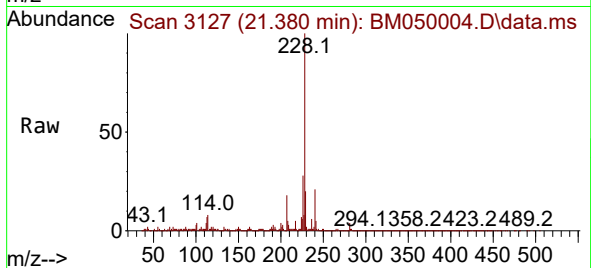
Tgt Ion:228 Resp: 1027496

Ion Ratio Lower Upper

228 100

226 28.3 21.8 32.8

229 20.1 15.8 23.8



#83

Chrysene

Concen: 11.268 ng m

RT: 21.439 min Scan# 3137

Delta R.T. -0.012 min

Lab File: BM050004.D

Acq: 22 Apr 2025 20:24

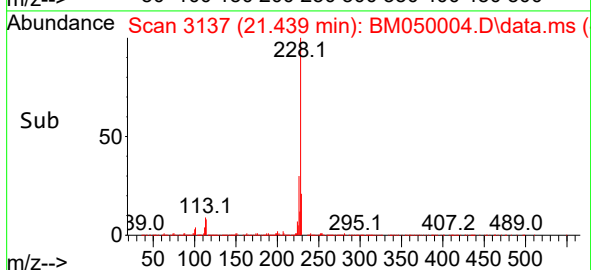
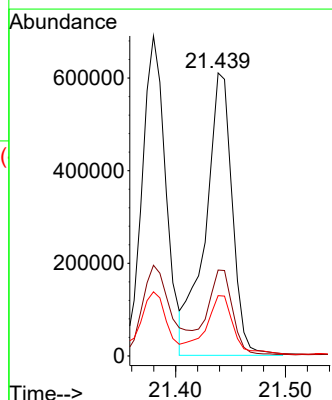
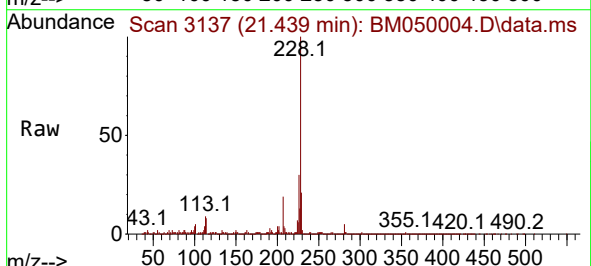
Tgt Ion:228 Resp: 1041201

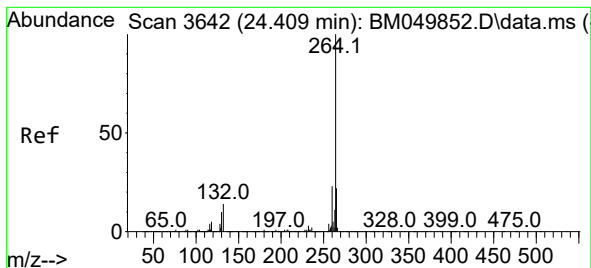
Ion Ratio Lower Upper

228 100

226 30.4 24.1 36.1

229 21.3 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: BM050004.D

Acq: 22 Apr 2025 20:24

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-13

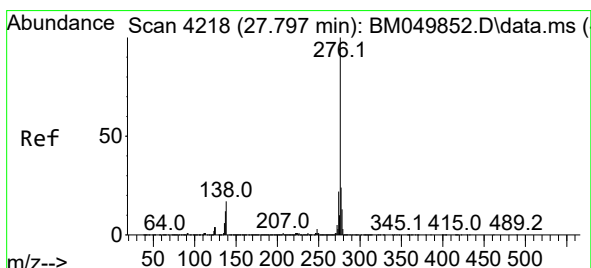
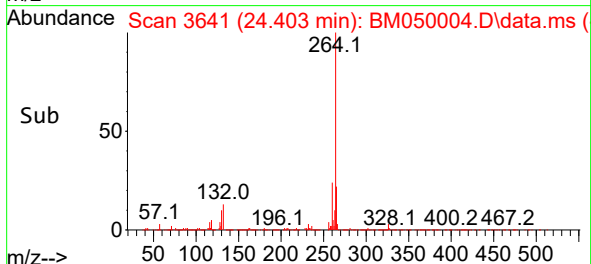
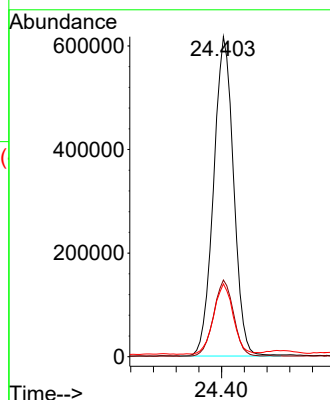
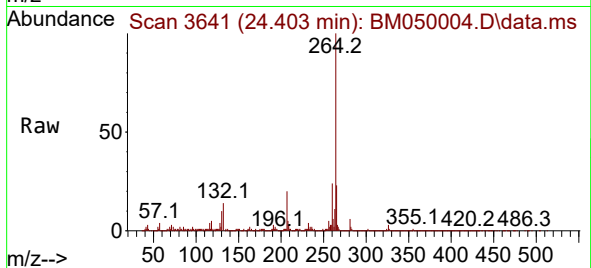
Tgt Ion:264 Resp: 1508528

Ion Ratio Lower Upper

264 100

260 24.0 18.6 28.0

265 22.7 17.8 26.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.358 ng

RT: 27.797 min Scan# 4218

Delta R.T. -0.000 min

Lab File: BM050004.D

Acq: 22 Apr 2025 20:24

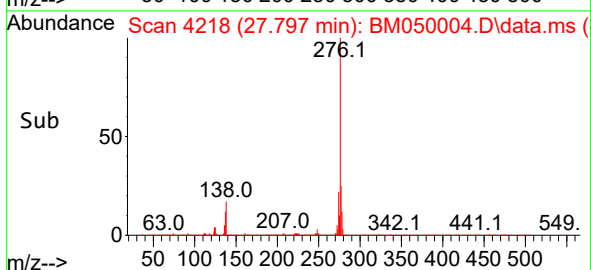
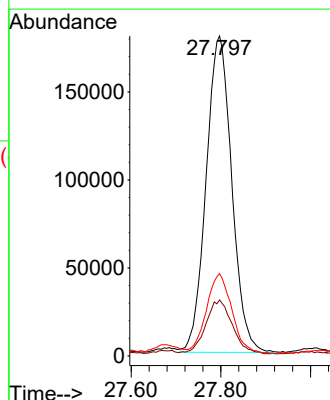
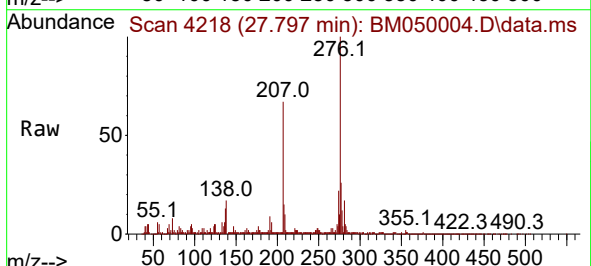
Tgt Ion:276 Resp: 714947

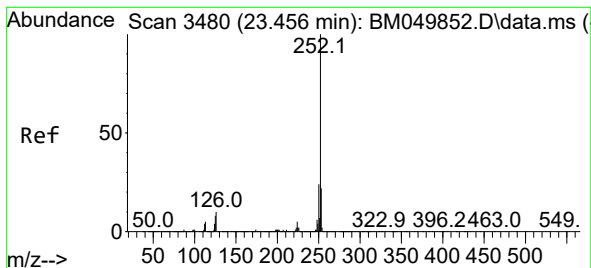
Ion Ratio Lower Upper

276 100

138 17.6 16.8 25.2

277 25.0 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 14.749 ng

RT: 23.456 min Scan# 3480

Delta R.T. -0.000 min

Lab File: BM050004.D

Acq: 22 Apr 2025 20:24

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-13

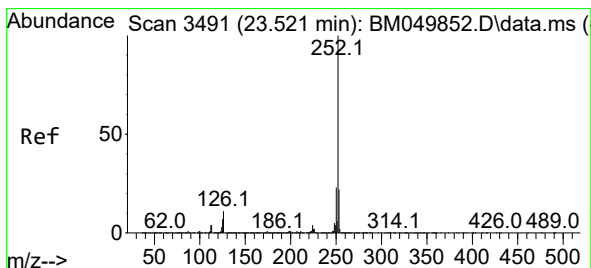
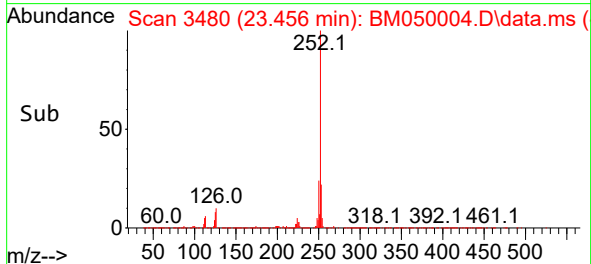
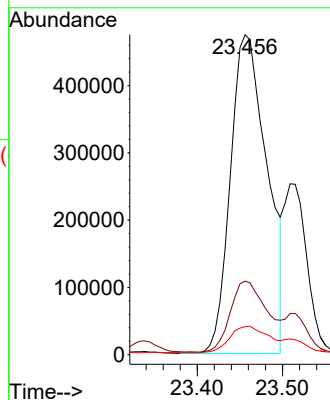
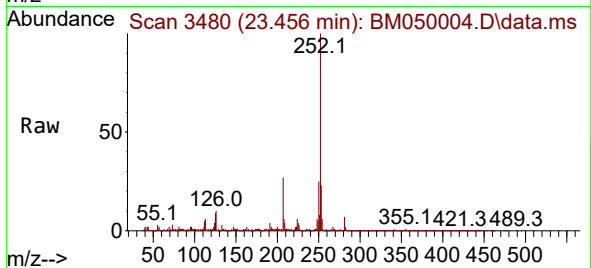
Tgt Ion:252 Resp: 1421001

Ion Ratio Lower Upper

252 100

253 23.0 17.5 26.3

125 8.8 6.2 9.4



#89

Benzo(k)fluoranthene

Concen: 5.005 ng m

RT: 23.509 min Scan# 3489

Delta R.T. -0.012 min

Lab File: BM050004.D

Acq: 22 Apr 2025 20:24

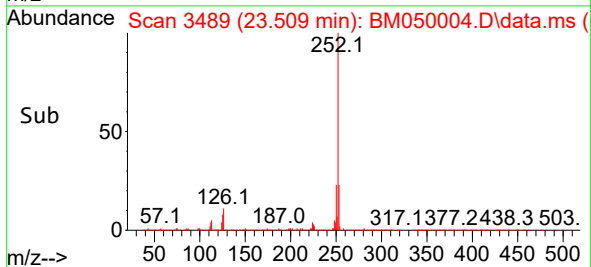
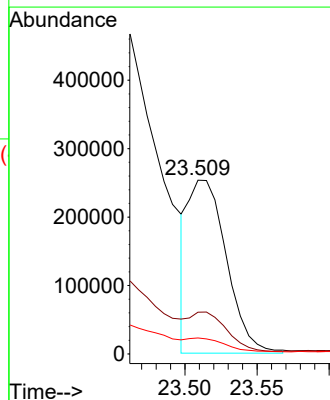
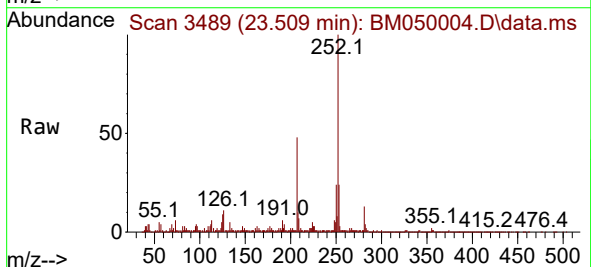
Tgt Ion:252 Resp: 467295

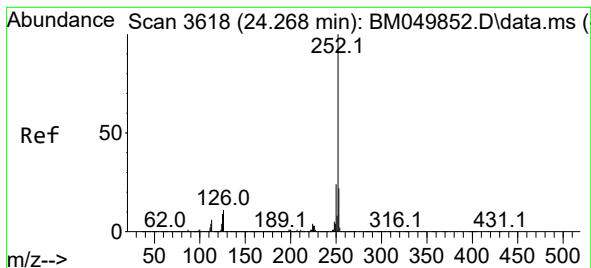
Ion Ratio Lower Upper

252 100

253 24.1 17.4 26.2

125 9.2 5.8 8.8#





#90

Benzo(a)pyrene

Concen: 11.644 ng

RT: 24.262 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM050004.D

Acq: 22 Apr 2025 20:24

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-13

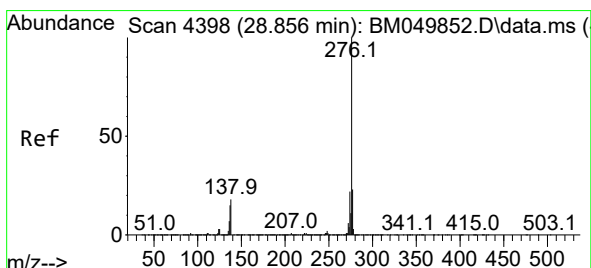
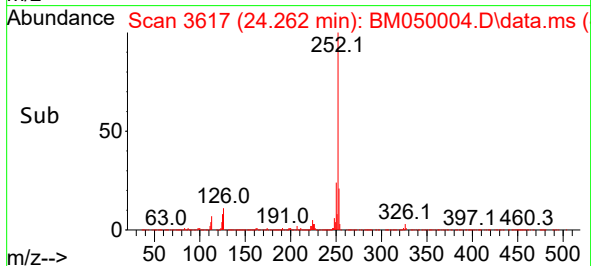
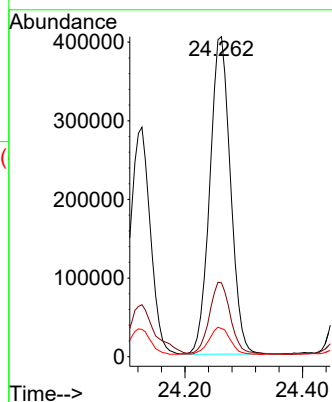
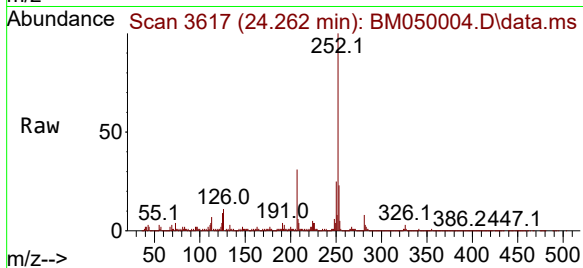
Tgt Ion:252 Resp: 985748

Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.8

125 8.8 7.0 10.4



#92

Benzo(g,h,i)perylene

Concen: 7.800 ng

RT: 28.856 min Scan# 4398

Delta R.T. -0.000 min

Lab File: BM050004.D

Acq: 22 Apr 2025 20:24

Tgt Ion:276 Resp: 738261

Ion Ratio Lower Upper

276 100

277 23.4 18.7 28.1

138 17.0 14.6 21.8

