

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)

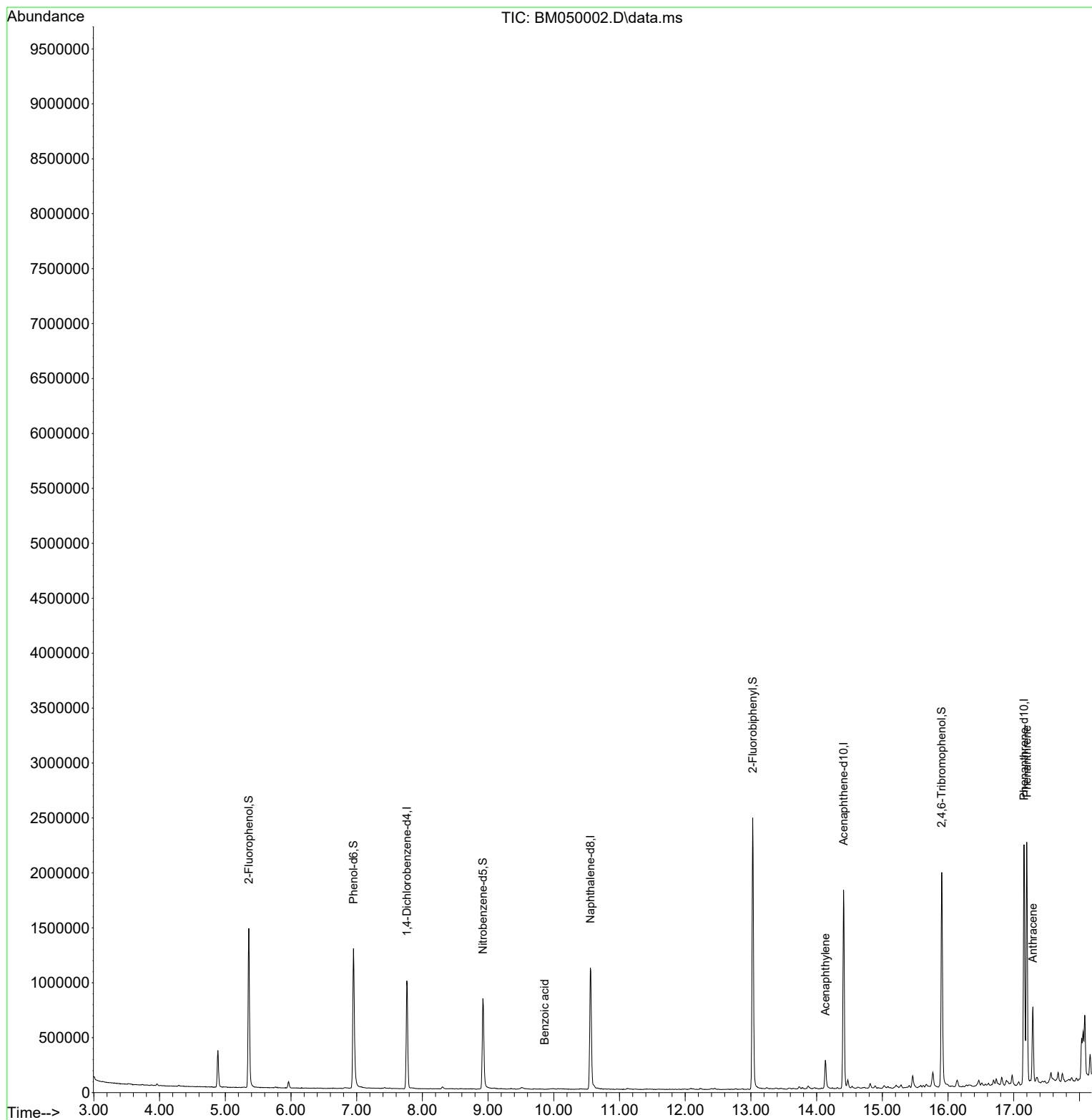
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	295330	20.000	ng	-0.02
21) Naphthalene-d8	10.557	136	1027314	20.000	ng	-0.02
39) Acenaphthene-d10	14.410	164	672624	20.000	ng	-0.01
64) Phenanthrene-d10	17.157	188	1344954	20.000	ng	0.00
76) Chrysene-d12	21.398	240	1354544	20.000	ng	0.00
86) 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
32) Benzoic acid	9.863	122	54	8.542	ng	# 4
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	23.462	252	2695936	31.891	ng	98
90) Benzo(a)pyrene	24.262	252	1938384	25.287	ng	99
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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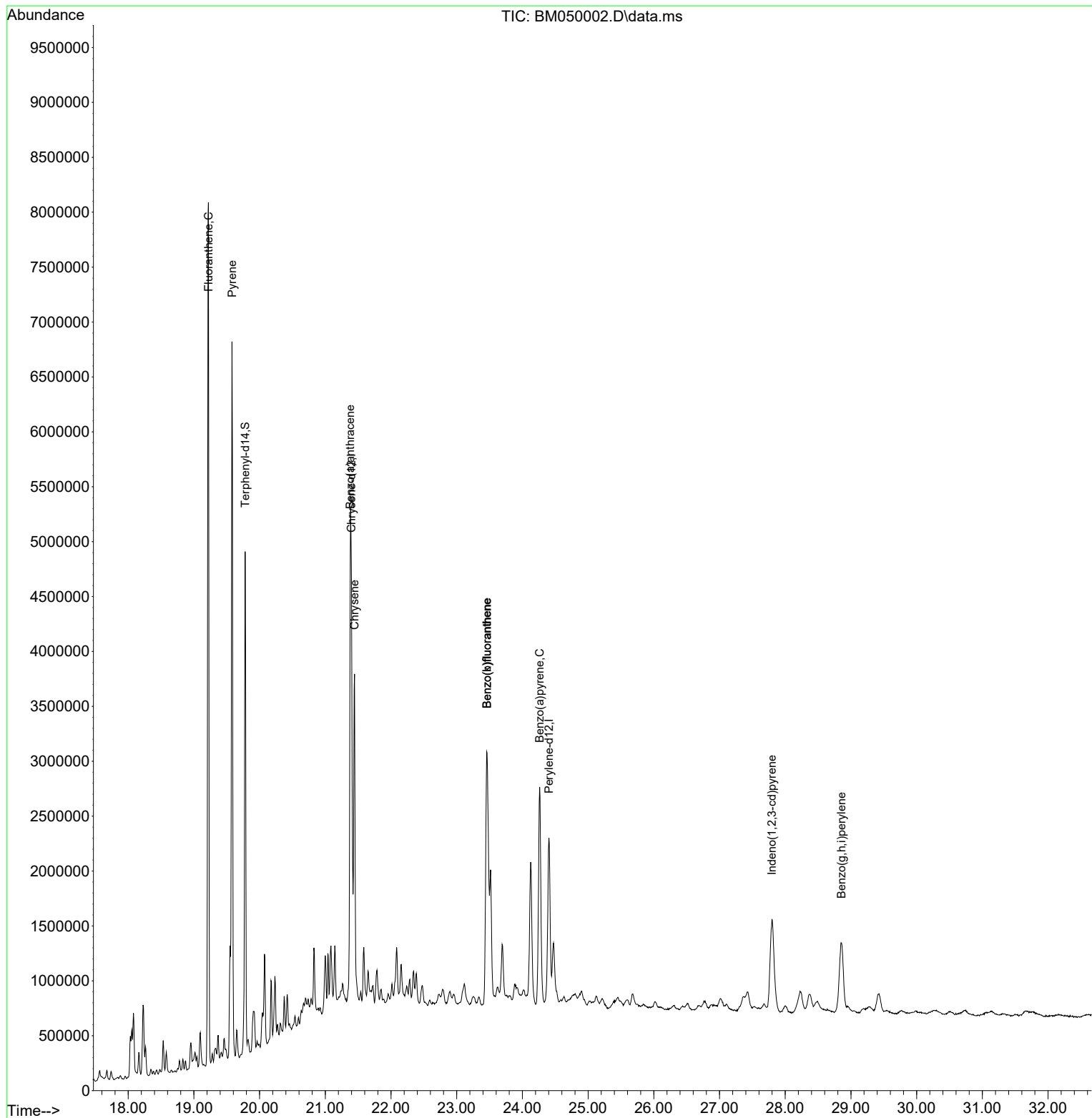
Quant Time: Apr 23 01:14:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
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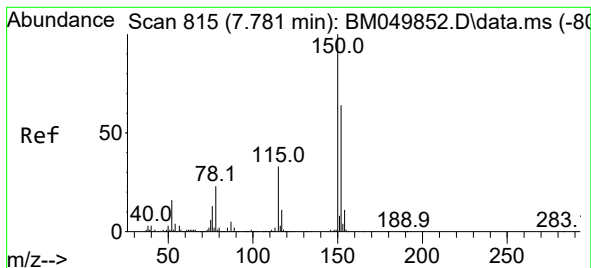


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042225\
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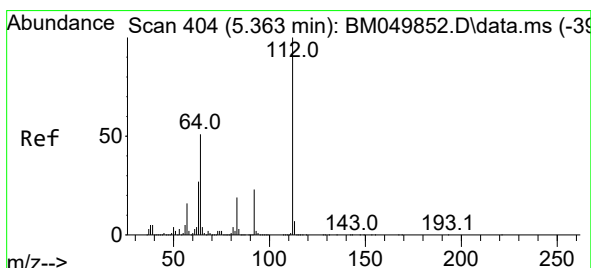
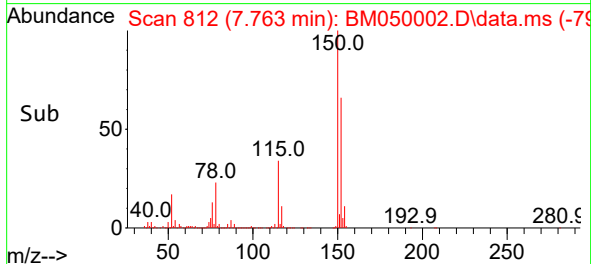
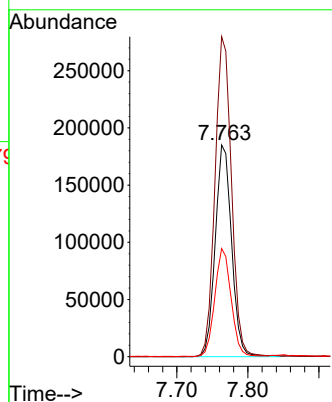
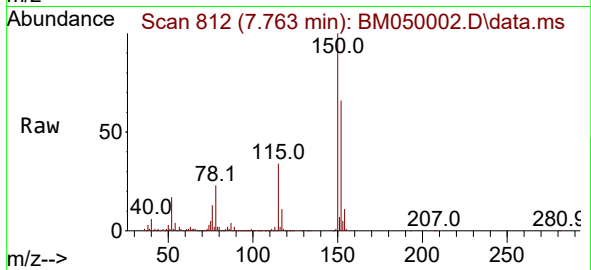




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 815
Delta R.T. -0.018 min
Lab File: BM050002.D
Acq: 22 Apr 2025 19:05

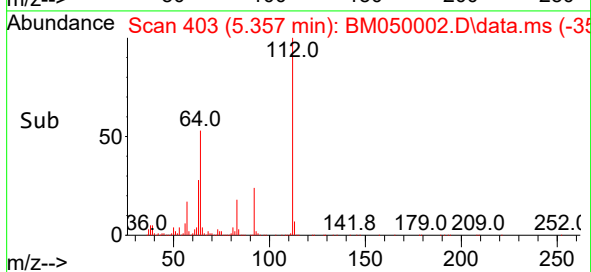
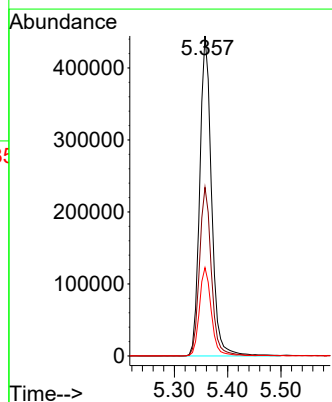
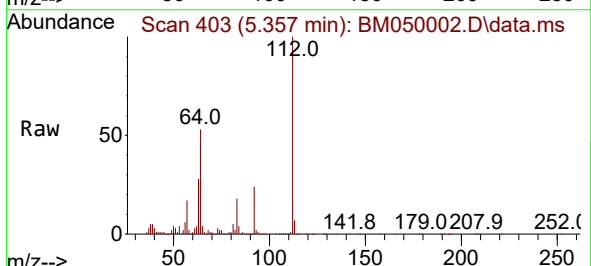
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-14

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

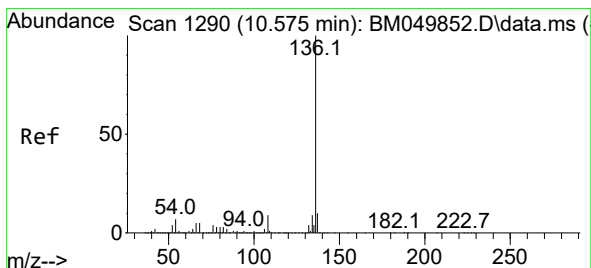
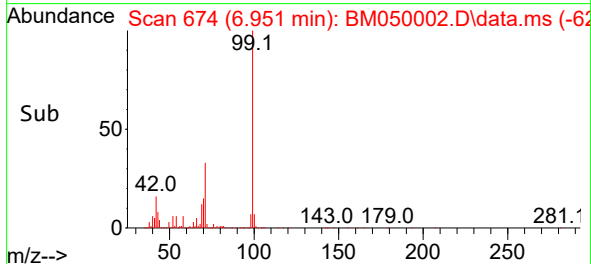
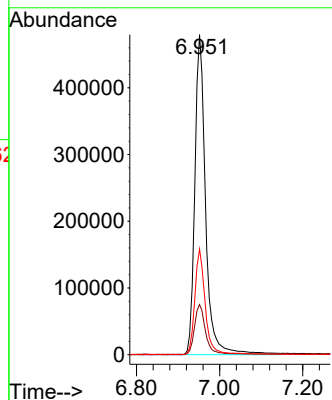
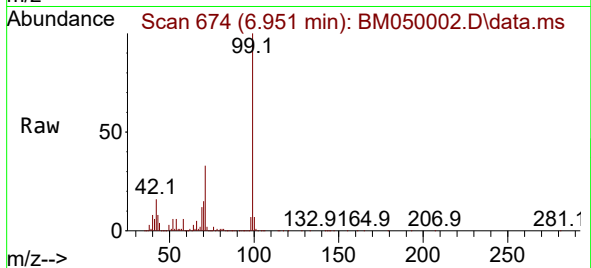




#7
Phenol-d6
Concen: 40.049 ng
RT: 6.951 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM050002.D
Acq: 22 Apr 2025 19:05

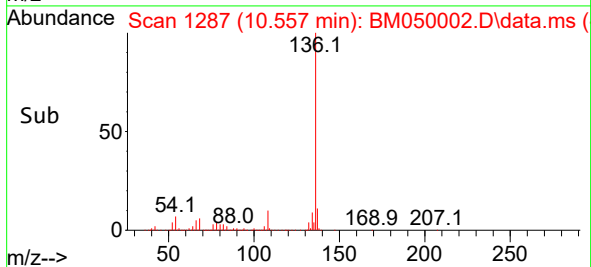
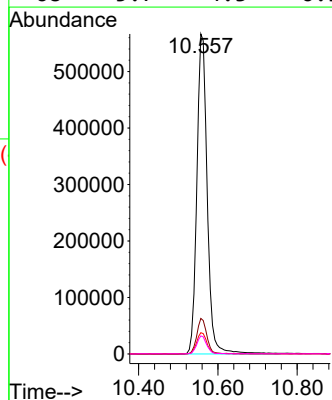
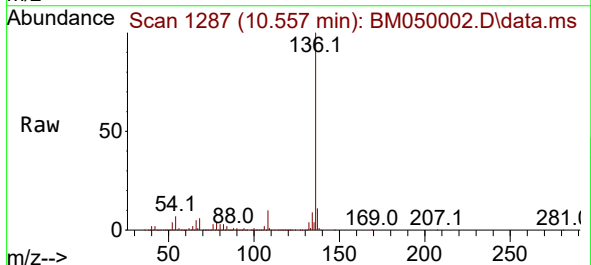
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-14

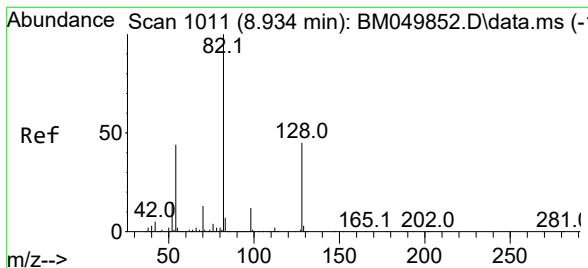
Tgt Ion: 99 Resp: 866625
Ion Ratio Lower Upper
99 100
42 15.7 12.1 18.1
71 33.0 24.9 37.3



#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

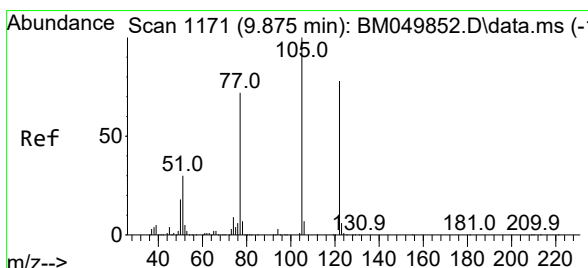
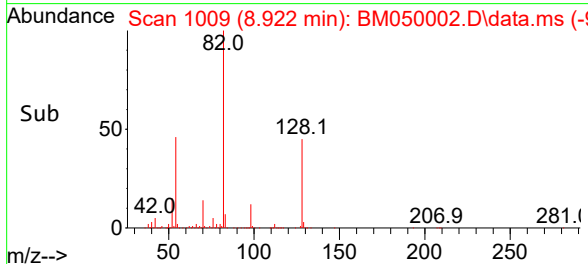
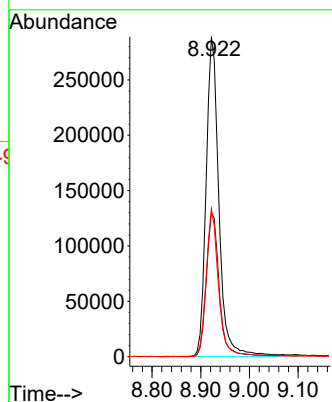
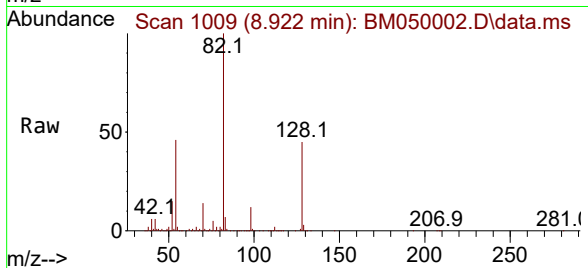




#23
Nitrobenzene-d5
Concen: 28.441 ng
RT: 8.922 min Scan# 1009
Delta R.T. -0.012 min
Lab File: BM050002.D
Acq: 22 Apr 2025 19:05

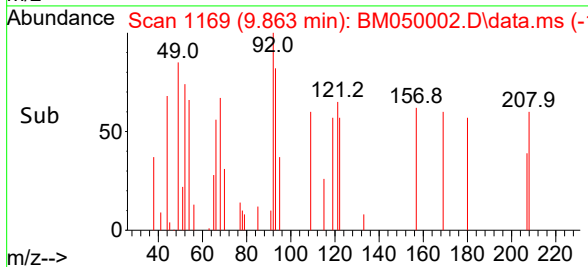
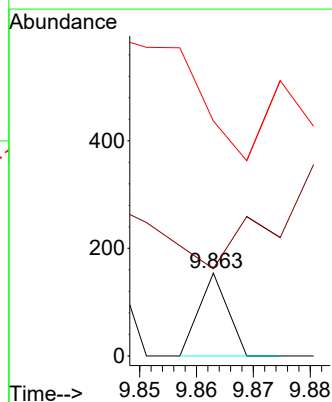
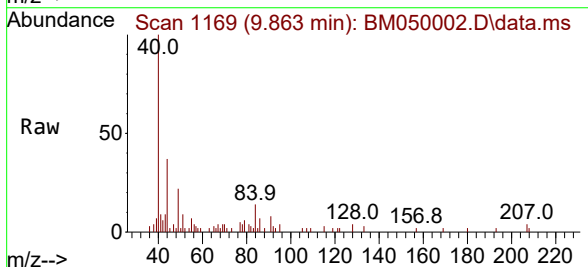
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-14

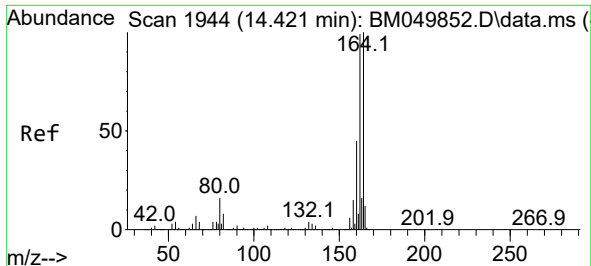
Tgt Ion: 82 Resp: 524692
Ion Ratio Lower Upper
82 100
128 45.0 36.2 54.2
54 46.2 35.0 52.6



#32
Benzoic acid
Concen: 8.542 ng
RT: 9.863 min Scan# 1169
Delta R.T. -0.012 min
Lab File: BM050002.D
Acq: 22 Apr 2025 19:05

Tgt Ion: 122 Resp: 54
Ion Ratio Lower Upper
122 100
105 105.2 103.8 143.8
77 283.8 70.7 110.7#

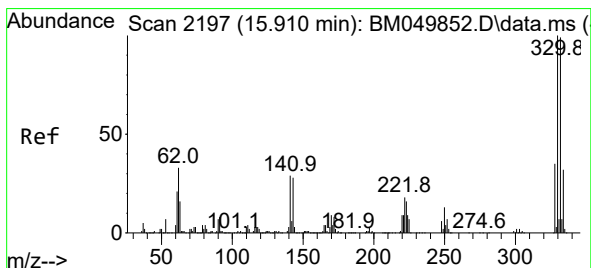
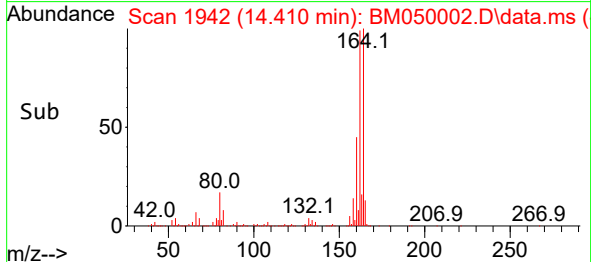
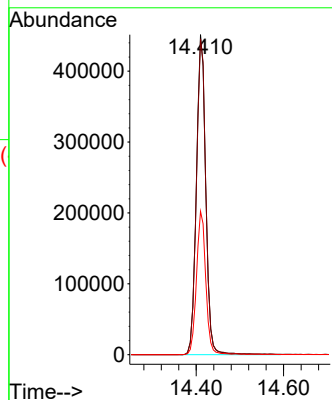
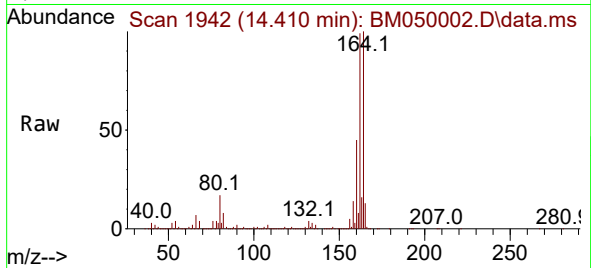




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.012 min
Lab File: BM050002.D
Acq: 22 Apr 2025 19:05

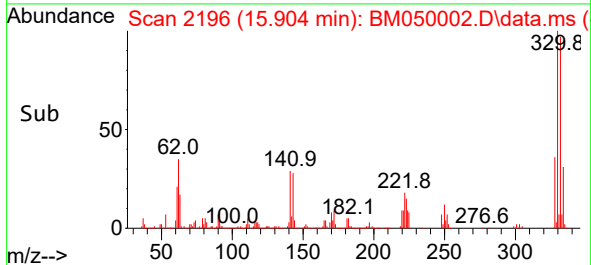
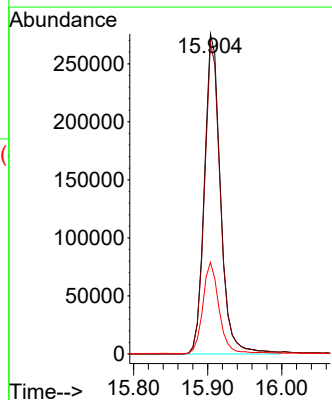
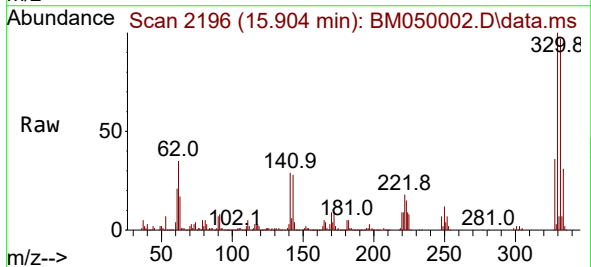
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-14

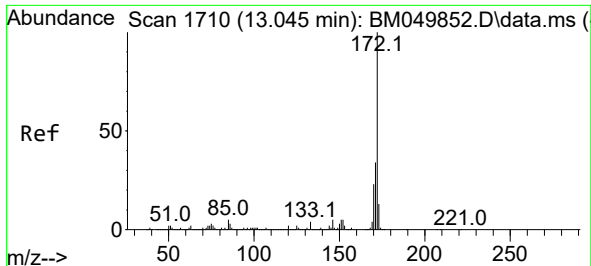
Tgt Ion:164 Resp: 672624
Ion Ratio Lower Upper
164 100
162 98.7 79.4 119.0
160 44.8 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 42.616 ng
RT: 15.904 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BM050002.D
Acq: 22 Apr 2025 19:05

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

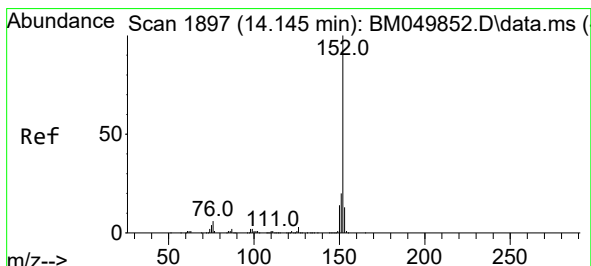
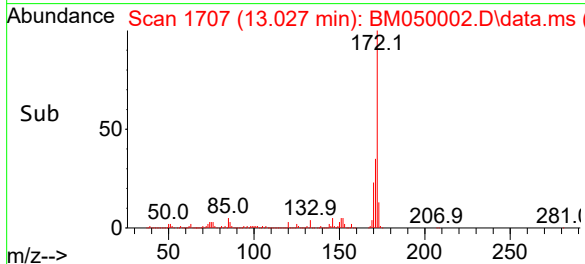
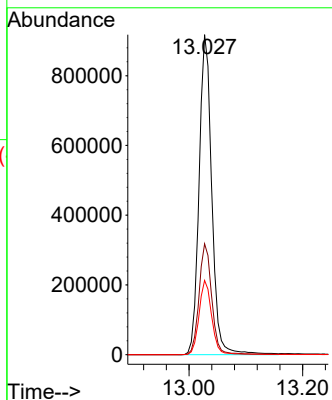
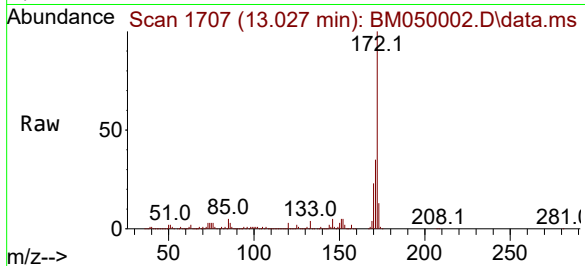




#45
2-Fluorobiphenyl
Concen: 28.795 ng
RT: 13.027 min Scan# 1710
Delta R.T. -0.018 min
Lab File: BM050002.D
Acq: 22 Apr 2025 19:05

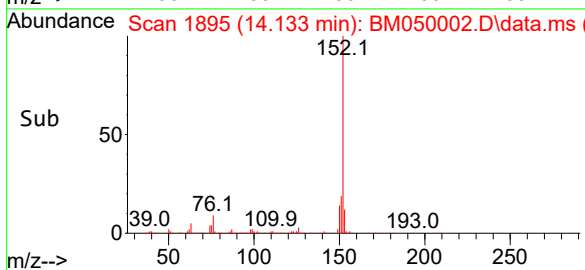
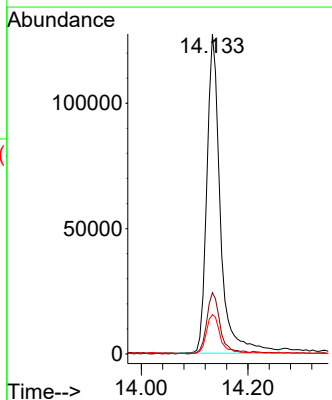
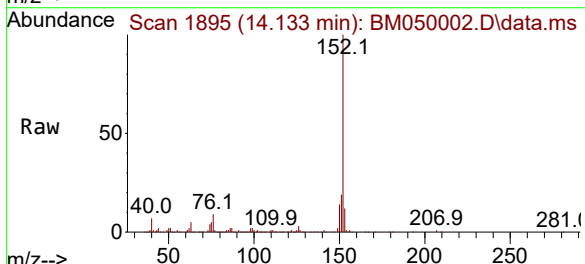
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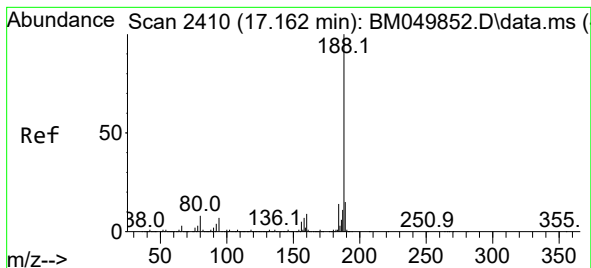
Tgt Ion:172 Resp: 1428305
Ion Ratio Lower Upper
172 100
171 34.6 27.4 41.2
170 23.2 18.6 28.0



#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

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# 2410

Delta R.T. -0.006 min

Lab File: BM050002.D

Acq: 22 Apr 2025 19:05

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-14

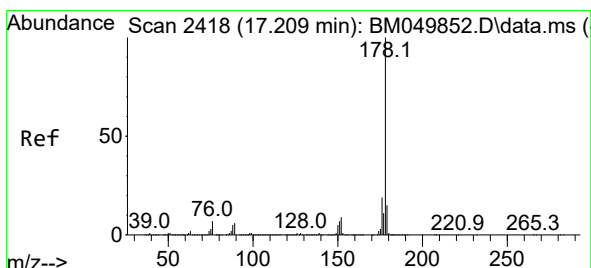
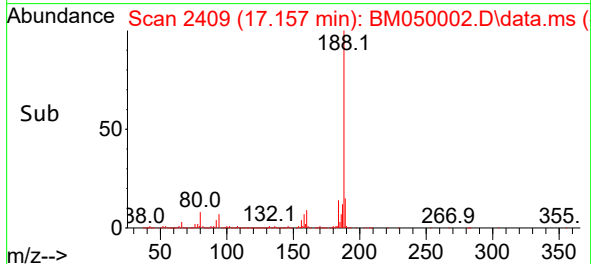
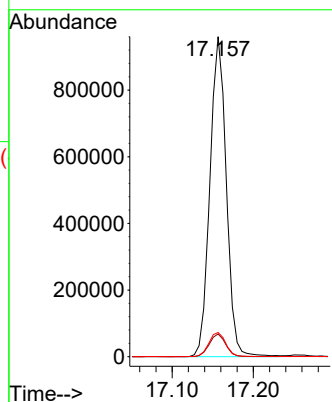
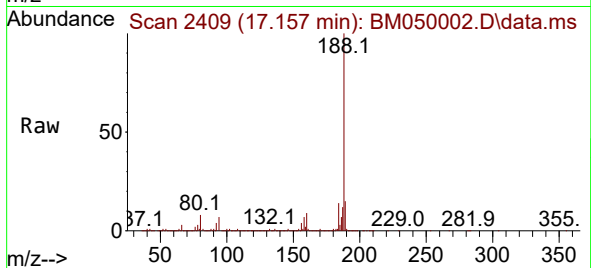
Tgt Ion:188 Resp: 1344954

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# 2416

Delta R.T. -0.012 min

Lab File: BM050002.D

Acq: 22 Apr 2025 19:05

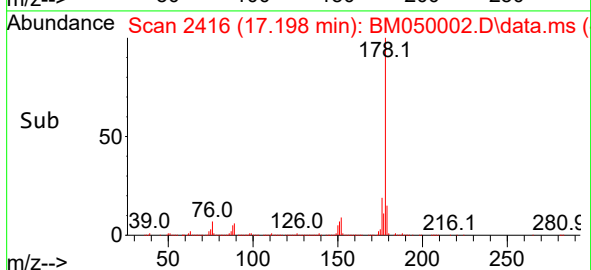
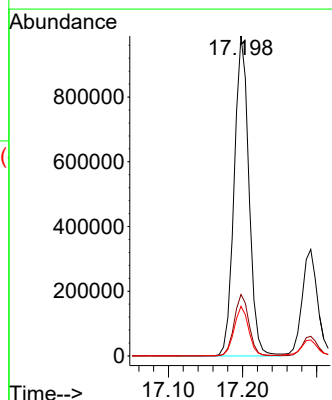
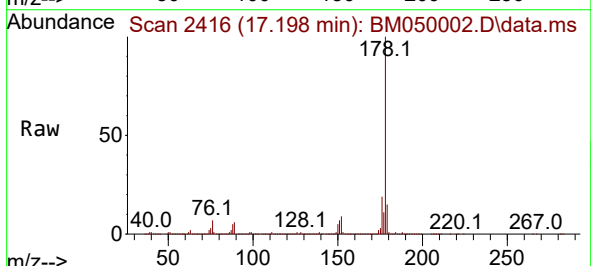
Tgt Ion:178 Resp: 1361969

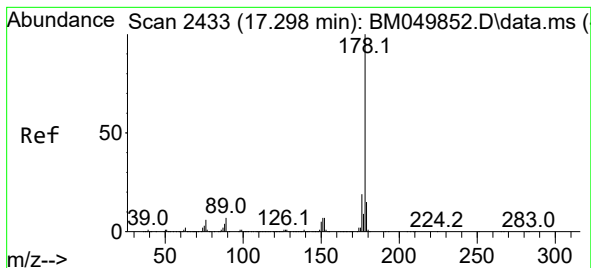
Ion Ratio Lower Upper

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# 2433

Delta R.T. -0.006 min

Lab File: BM050002.D

Acq: 22 Apr 2025 19:05

Instrument :

BNA_M

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PL-714-COMP-14

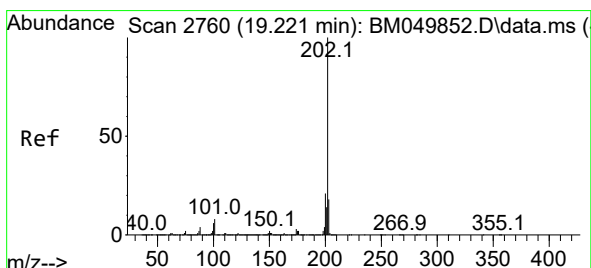
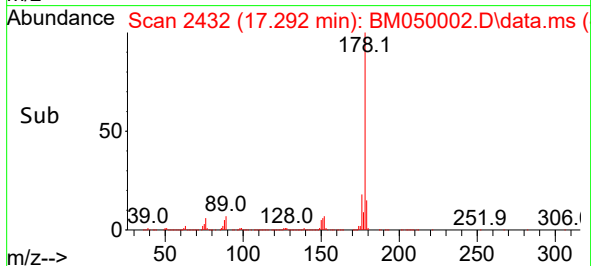
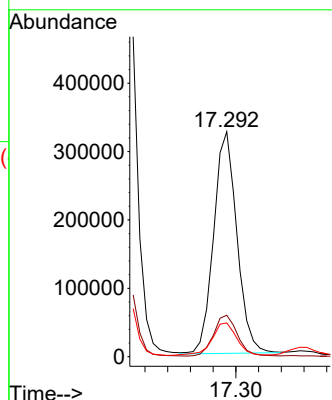
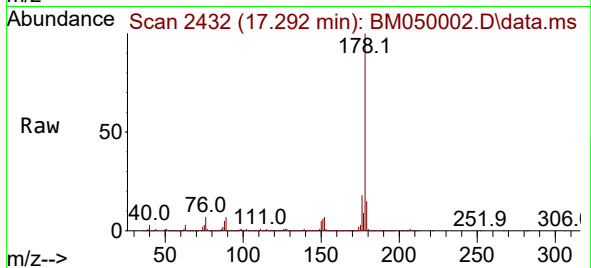
Tgt Ion:178 Resp: 461148

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# 2760

Delta R.T. 0.000 min

Lab File: BM050002.D

Acq: 22 Apr 2025 19:05

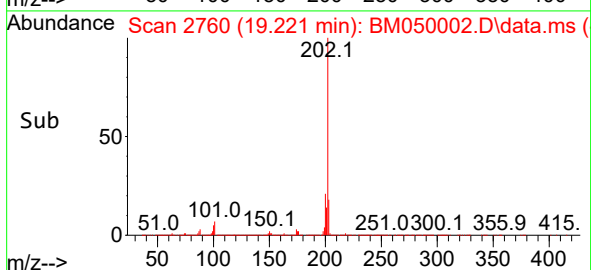
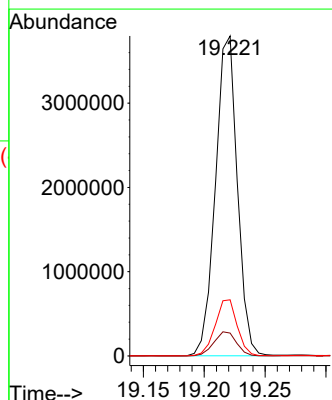
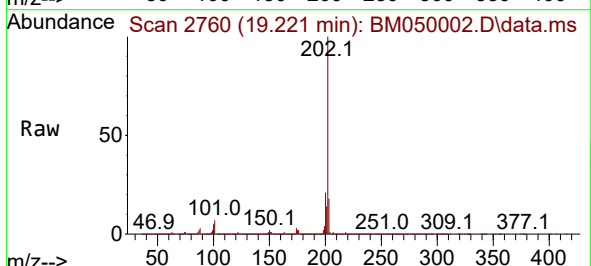
Tgt Ion:202 Resp: 4750095

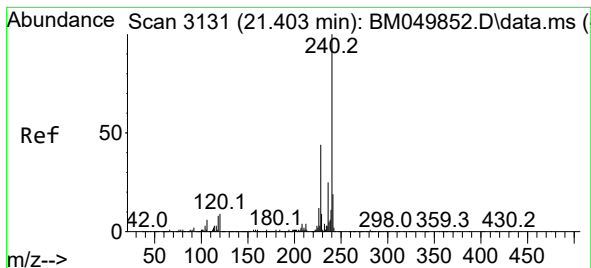
Ion Ratio Lower Upper

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# 31

Delta R.T. -0.006 min

Lab File: BM050002.D

Acq: 22 Apr 2025 19:05

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-14

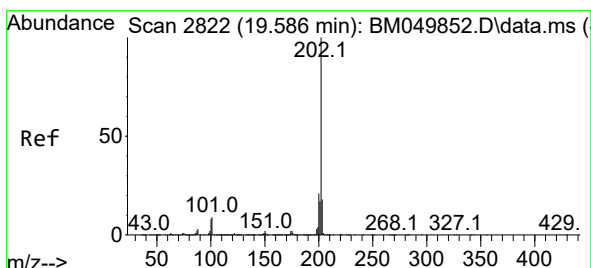
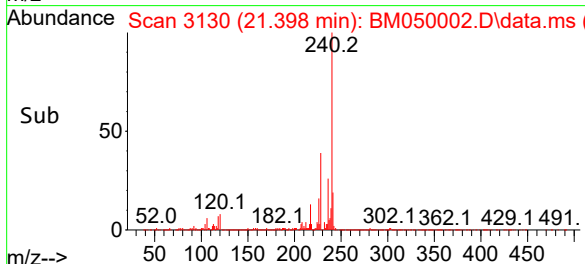
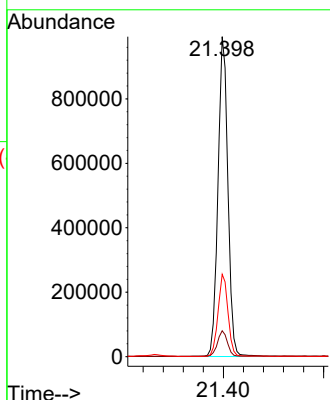
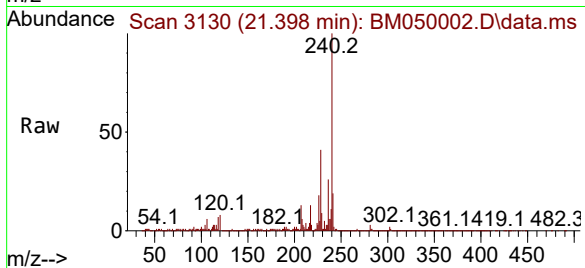
Tgt Ion:240 Resp: 1354544

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# 2821

Delta R.T. -0.006 min

Lab File: BM050002.D

Acq: 22 Apr 2025 19:05

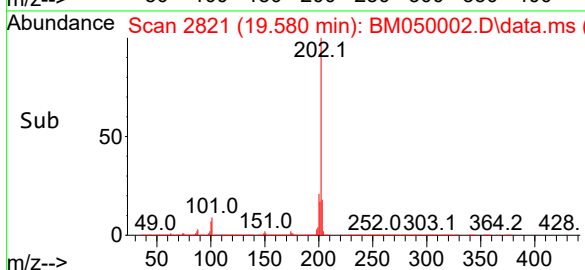
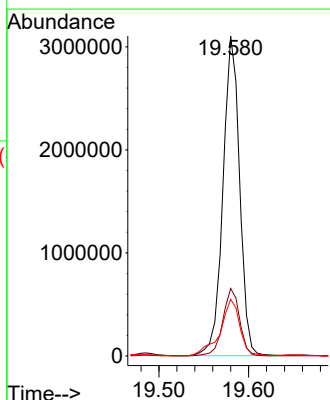
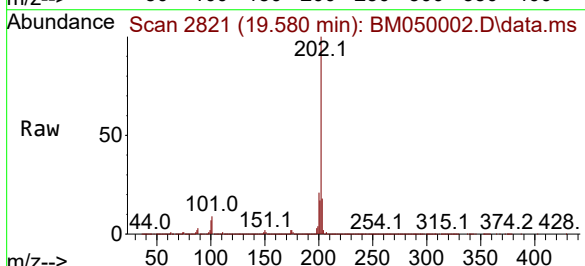
Tgt Ion:202 Resp: 4000471

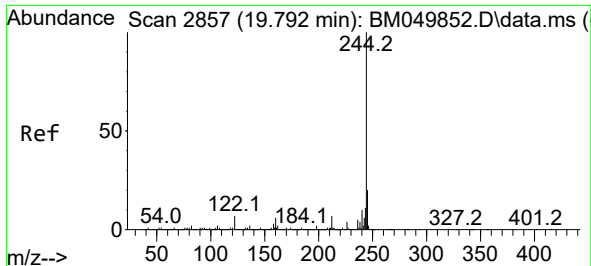
Ion Ratio Lower Upper

202 100

200 21.1 16.5 24.7

203 17.7 14.0 21.0

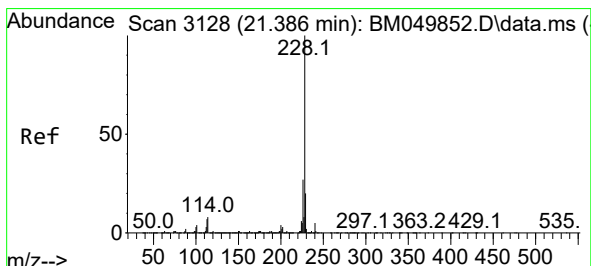
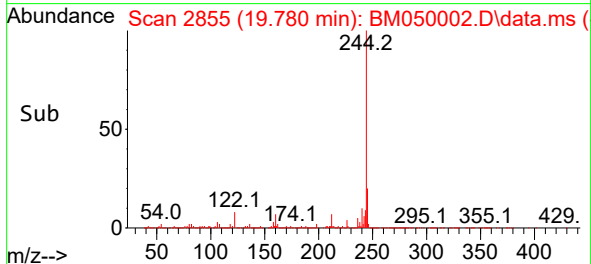
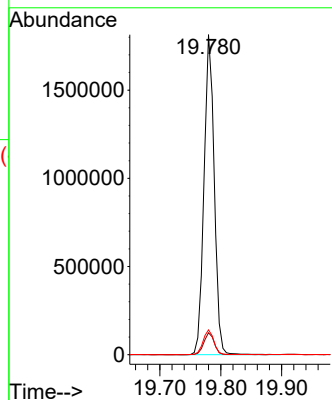
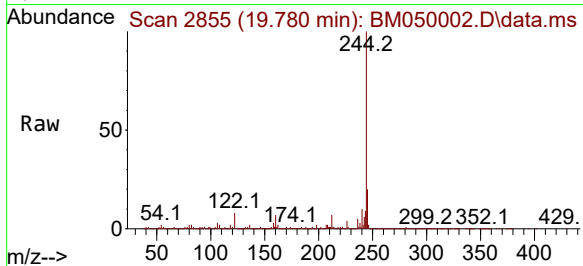




#79
 Terphenyl-d14
 Concen: 29.146 ng
 RT: 19.780 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM050002.D
 Acq: 22 Apr 2025 19:05

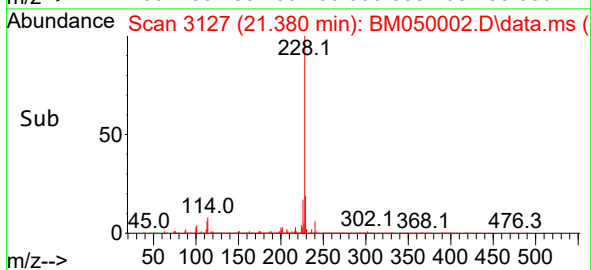
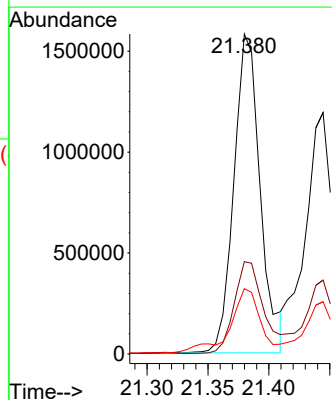
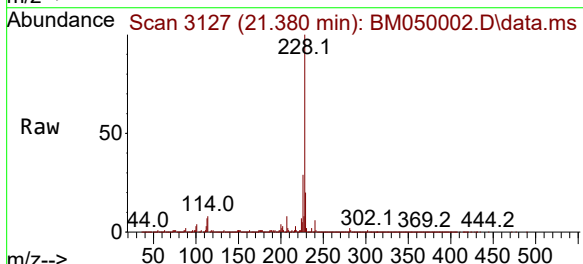
Instrument :
 BNA_M
 ClientSampleId :
 PL-714-COMP-14

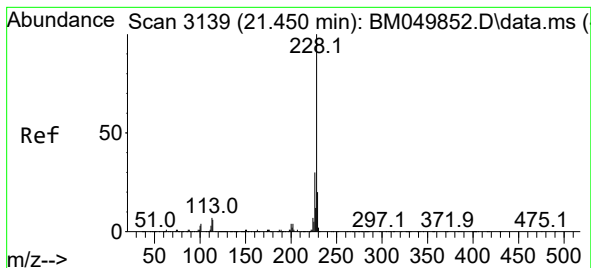
Tgt Ion:244 Resp: 2106621
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.5 8.3
 122 7.7 5.4 8.0



#81
 Benzo(a)anthracene
 Concen: 26.328 ng
 RT: 21.380 min Scan# 3127
 Delta R.T. -0.006 min
 Lab File: BM050002.D
 Acq: 22 Apr 2025 19:05

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# 31

Delta R.T. -0.006 min

Lab File: BM050002.D

Acq: 22 Apr 2025 19:05

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-14

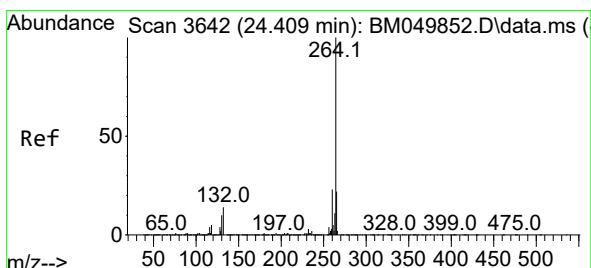
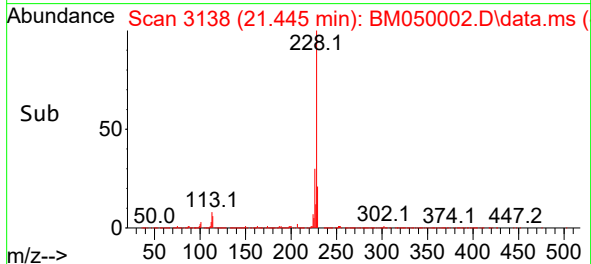
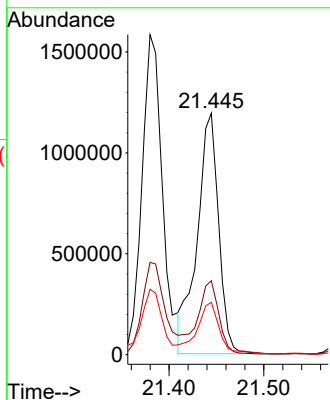
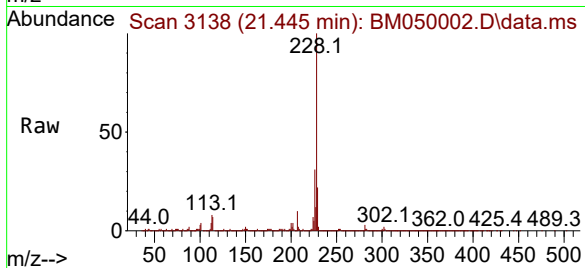
Tgt Ion:228 Resp: 1880991

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# 3641

Delta R.T. -0.006 min

Lab File: BM050002.D

Acq: 22 Apr 2025 19:05

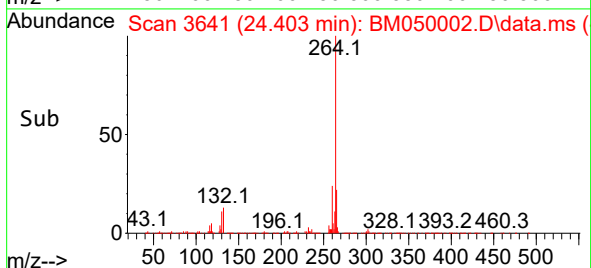
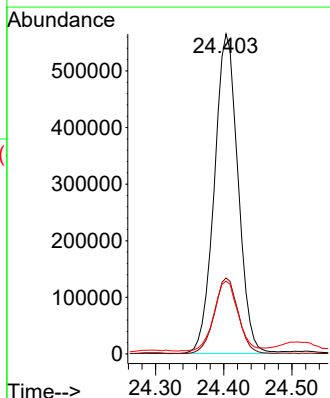
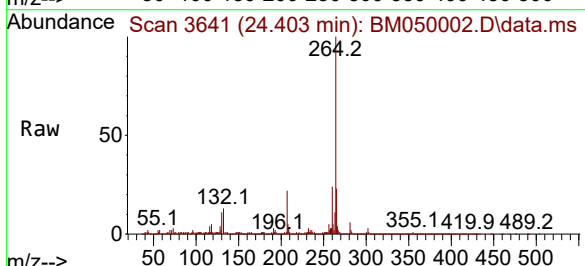
Tgt Ion:264 Resp: 1365889

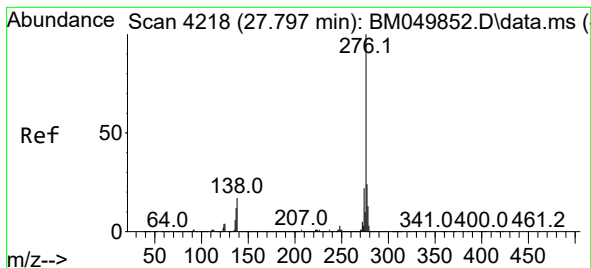
Ion Ratio Lower Upper

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

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-14

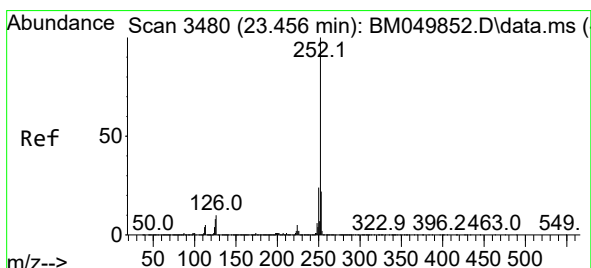
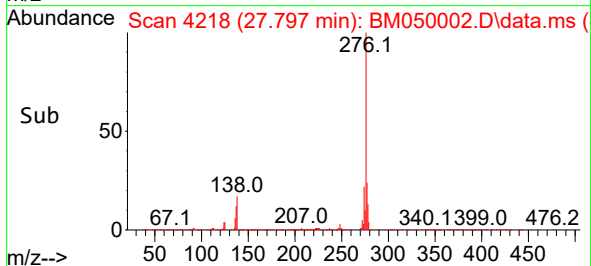
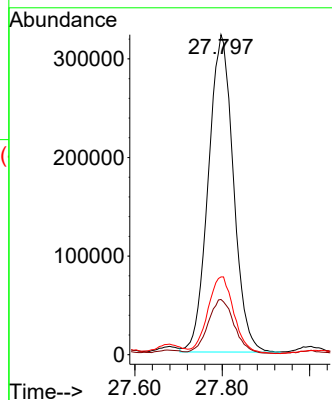
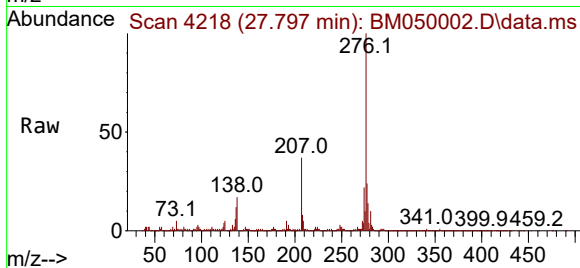
Tgt Ion:276 Resp: 1282852

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# 3481

Delta R.T. 0.006 min

Lab File: BM050002.D

Acq: 22 Apr 2025 19:05

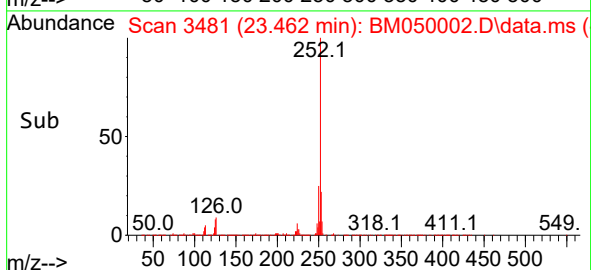
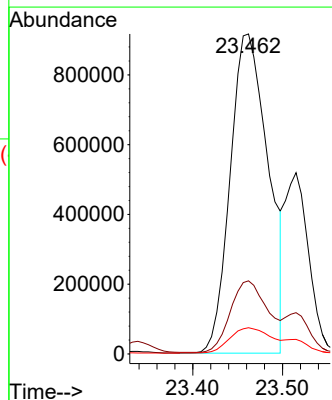
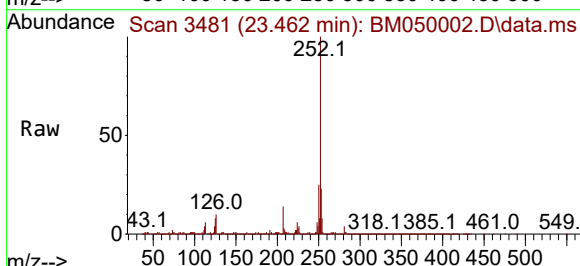
Tgt Ion:252 Resp: 2695936

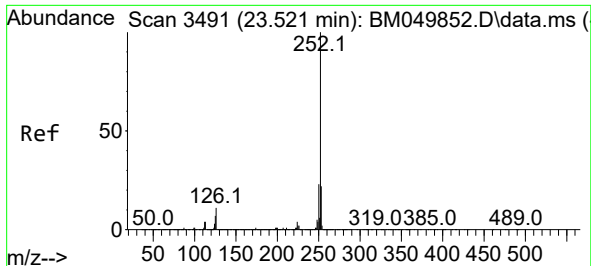
Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

125 8.2 6.2 9.4

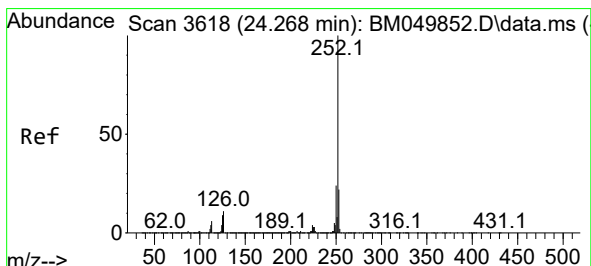
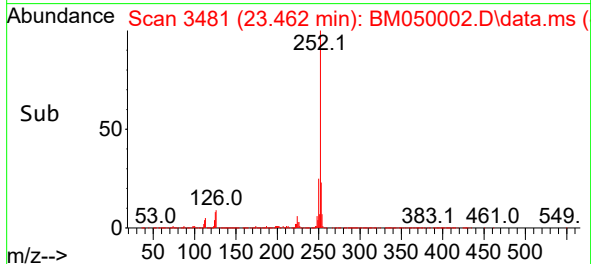
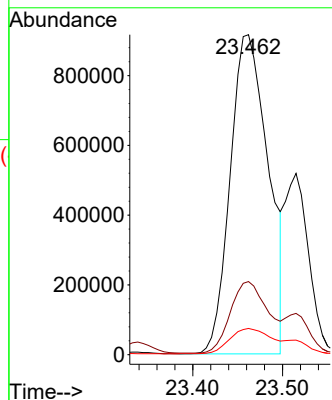
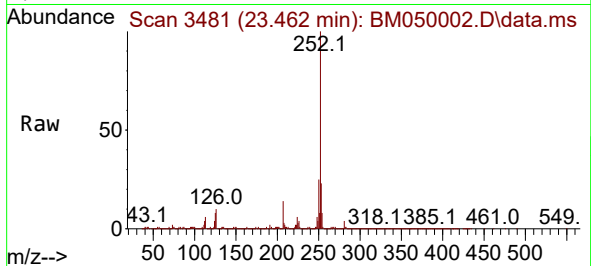




#89
Benzo(k)fluoranthene
Concen: 31.891 ng
RT: 23.462 min Scan# 34
Delta R.T. -0.059 min
Lab File: BM050002.D
Acq: 22 Apr 2025 19:05

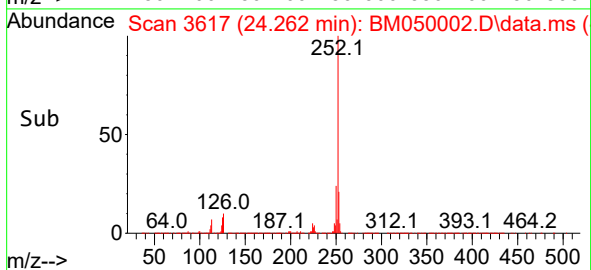
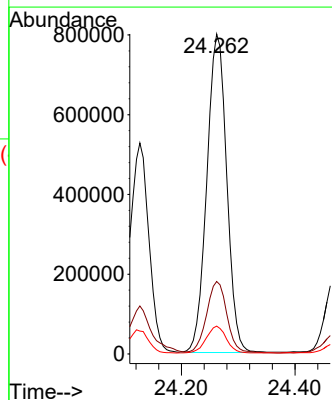
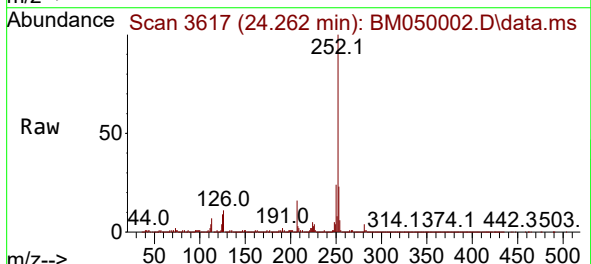
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-14

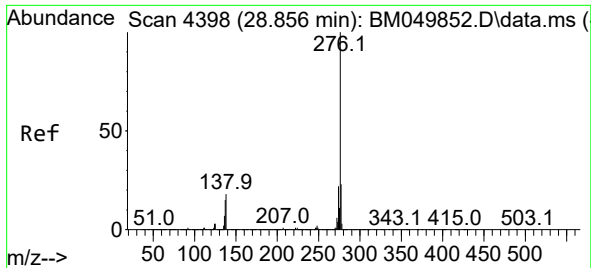
Tgt Ion:252 Resp: 2695936
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 8.2 5.8 8.8



#90
Benzo(a)pyrene
Concen: 25.287 ng
RT: 24.262 min Scan# 3617
Delta R.T. -0.006 min
Lab File: BM050002.D
Acq: 22 Apr 2025 19:05

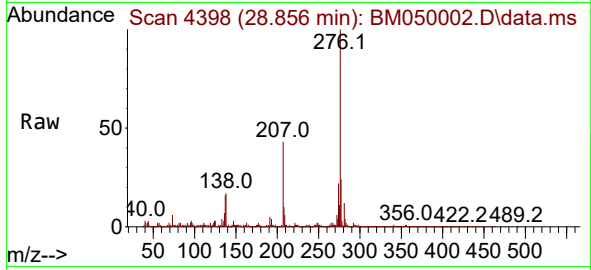
Tgt Ion:252 Resp: 1938384
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 8.7 7.0 10.4





#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

