

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041525\
 Data File : BM049934.D
 Acq On : 15 Apr 2025 14:35
 Operator : RC/JU
 Sample : Q1787-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-1

Quant Time: Apr 15 15:24:01 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 09 04:00:55 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

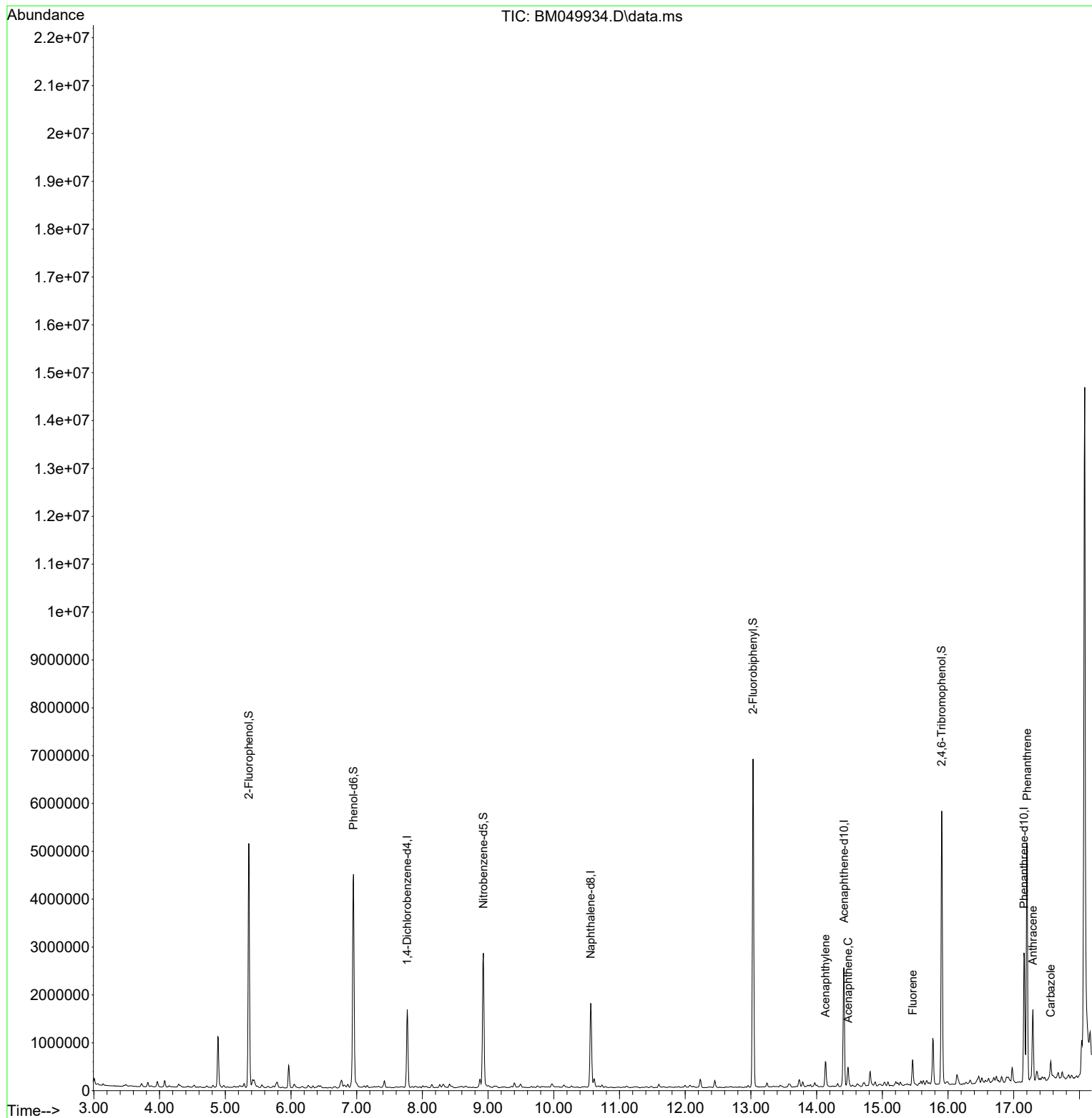
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	455050	20.000	ng	-0.01
21) Naphthalene-d8	10.563	136	1509782	20.000	ng	-0.01
39) Acenaphthene-d10	14.415	164	897752	20.000	ng	0.00
64) Phenanthrene-d10	17.156	188	1659775	20.000	ng	0.00
76) Chrysene-d12	21.403	240	1689044	20.000	ng	0.00
86) Perylene-d12	24.403	264	1851252	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	2262102	84.413	ng	0.00
7) Phenol-d6	6.951	99	2719334	81.560	ng	0.00
23) Nitrobenzene-d5	8.927	82	1632790	60.222	ng	0.00
42) 2,4,6-Tribromophenol	15.903	330	1127406	86.337	ng	0.00
45) 2-Fluorobiphenyl	13.033	172	3743563	56.545	ng	-0.01
79) Terphenyl-d14	19.786	244	4446142	49.331	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.133	152	418283	5.474	ng	98
52) Acenaphthene	14.480	154	146207	3.008	ng	98
58) Fluorene	15.462	166	232325	3.597	ng	98
71) Phenanthrene	17.203	178	3103045	34.101	ng	100
72) Anthracene	17.292	178	967286	10.787	ng	100
73) Carbazole	17.562	167	247061	2.925	ng	99
75) Fluoranthene	19.221	202	6805391	60.826	ng	99
78) Pyrene	19.586	202	6258940	53.768	ng	99
81) Benzo(a)anthracene	21.380	228	4147532	36.948	ng	97
83) Chrysene	21.444	228	3570674	33.458	ng	97
87) Indeno(1,2,3-cd)pyrene	27.797	276	2895328	20.981	ng	97
88) Benzo(b)fluoranthene	23.462	252	5630945	47.626	ng	99
89) Benzo(k)fluoranthene	23.515	252	1618819	14.129	ng	97
90) Benzo(a)pyrene	24.262	252	4270302	41.102	ng	99
91) Dibenzo(a,h)anthracene	27.826	278	750329	6.601	ng	93
92) Benzo(g,h,i)perylene	28.856	276	2799189	24.100	ng	100

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

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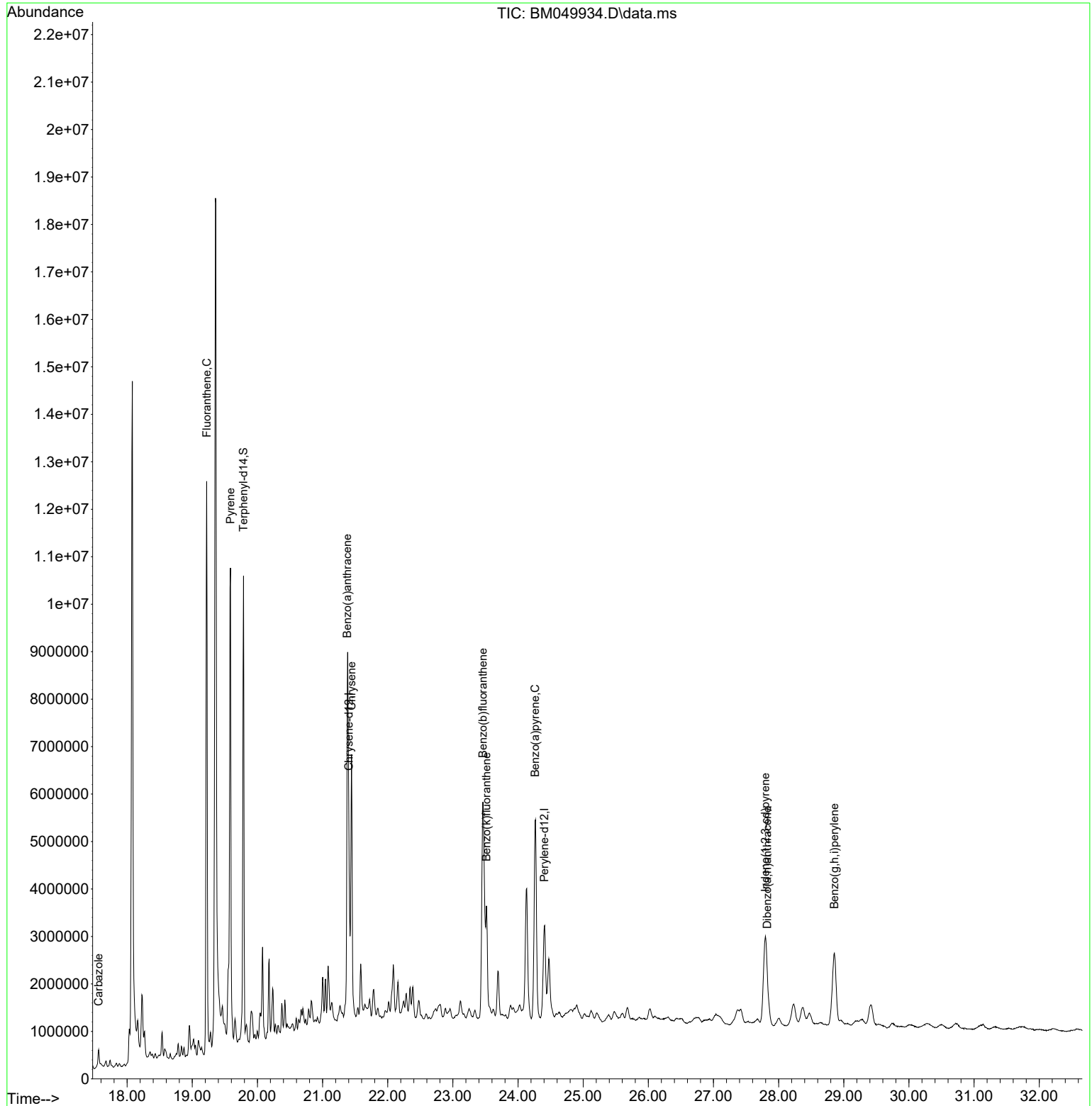
Quant Time: Apr 15 15:24:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
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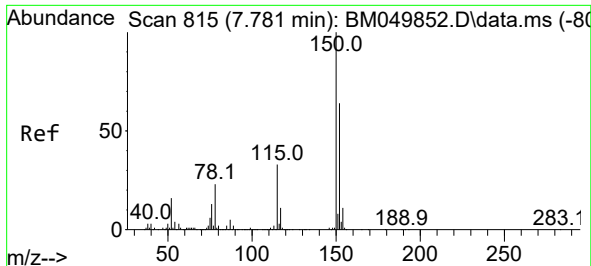


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041525\
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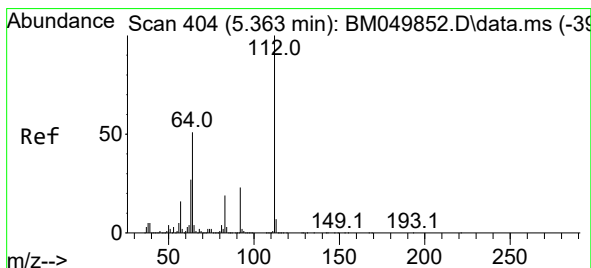
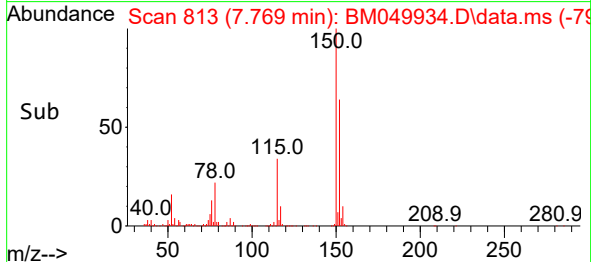
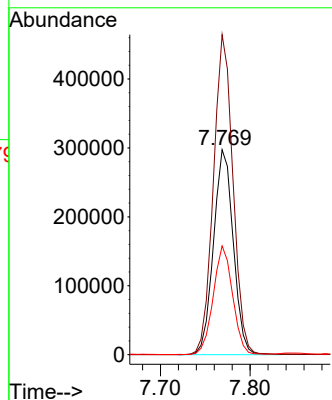
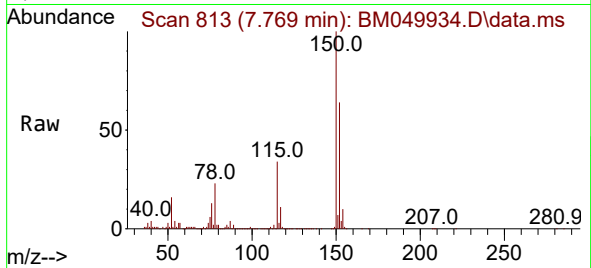




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 815
Delta R.T. -0.012 min
Lab File: BM049934.D
Acq: 15 Apr 2025 14:35

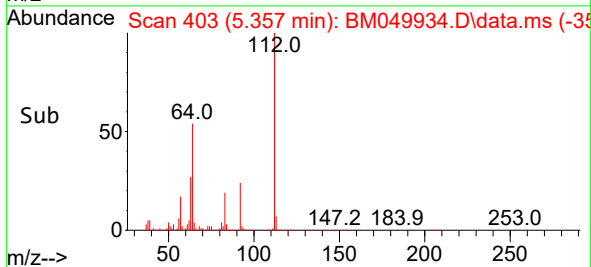
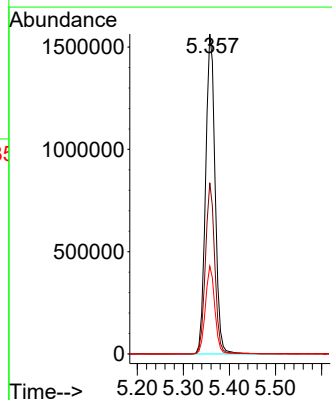
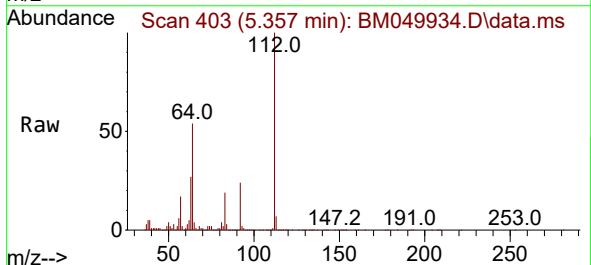
Instrument :
BNA_M
ClientSampleId :
TP-1

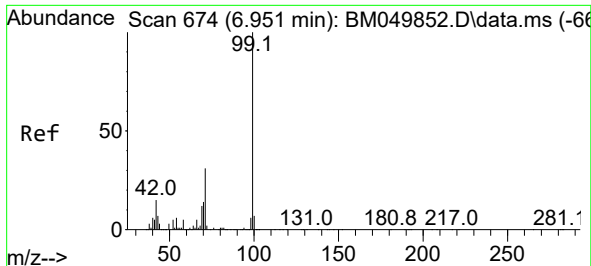
Tgt Ion:152 Resp: 455050
Ion Ratio Lower Upper
152 100
150 156.1 124.3 186.5
115 53.1 41.1 61.7



#5
2-Fluorophenol
Concen: 84.413 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM049934.D
Acq: 15 Apr 2025 14:35

Tgt Ion:112 Resp: 2262102
Ion Ratio Lower Upper
112 100
64 53.5 41.0 61.6
63 27.5 21.5 32.3

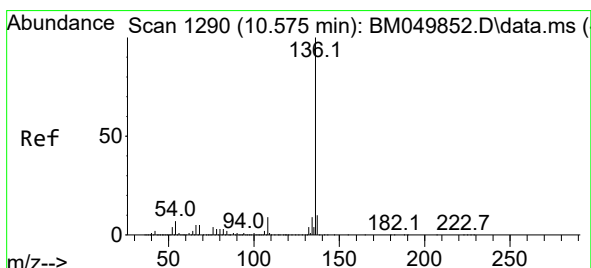
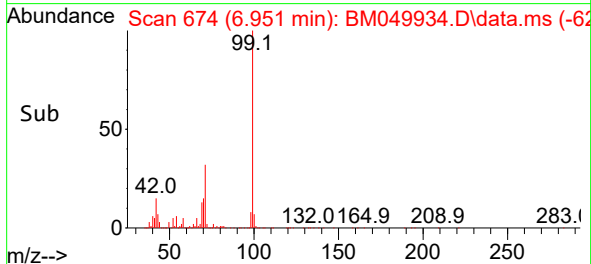
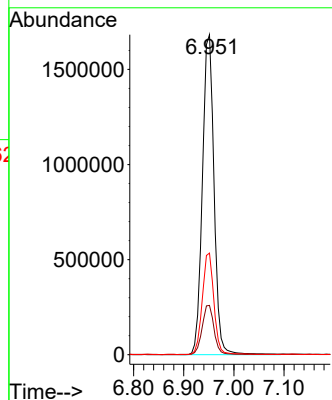
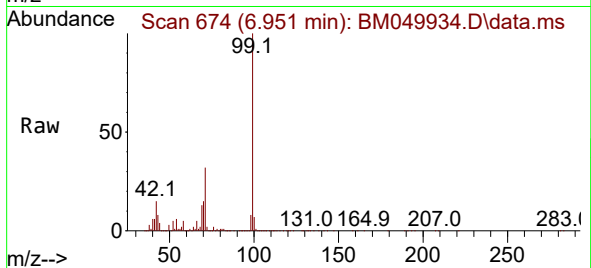




#7
Phenol-d6
Concen: 81.560 ng
RT: 6.951 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM049934.D
Acq: 15 Apr 2025 14:35

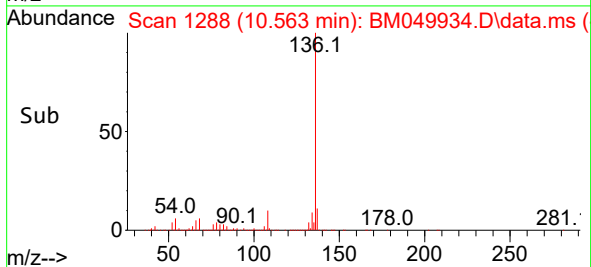
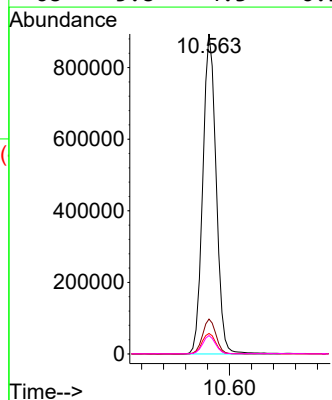
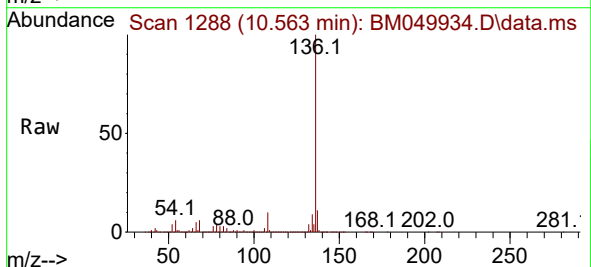
Instrument :
BNA_M
ClientSampleId :
TP-1

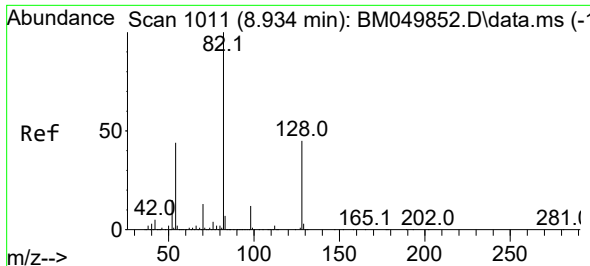
Tgt Ion: 99 Resp: 2719334
Ion Ratio Lower Upper
99 100
42 15.4 12.1 18.1
71 31.8 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1288
Delta R.T. -0.012 min
Lab File: BM049934.D
Acq: 15 Apr 2025 14:35

Tgt Ion: 136 Resp: 1509782
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 6.4 5.3 7.9
68 5.8 4.3 6.5





#23

Nitrobenzene-d5

Concen: 60.222 ng

RT: 8.927 min Scan# 1010

Delta R.T. -0.006 min

Lab File: BM049934.D

Acq: 15 Apr 2025 14:35

Instrument :

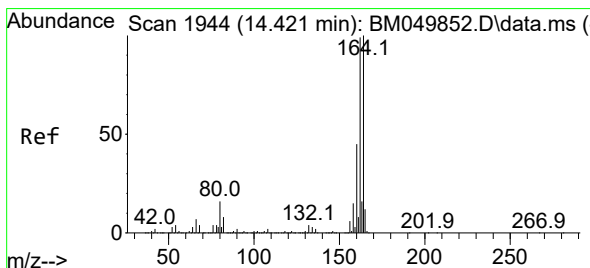
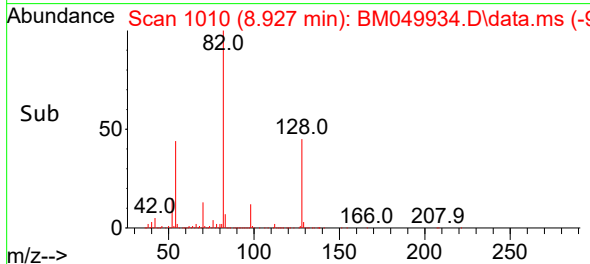
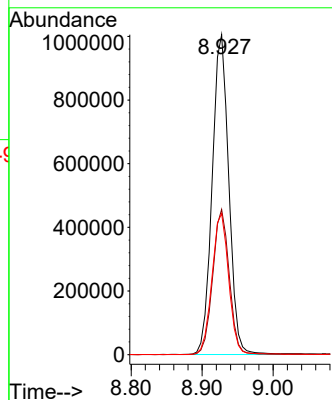
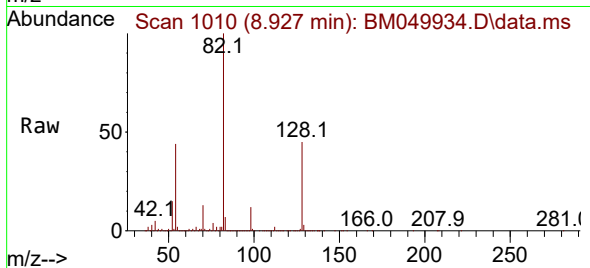
BNA_M

ClientSampleId :

TP-1

Tgt Ion: 82 Resp: 1632790

Ion	Ratio	Lower	Upper
82	100		
128	45.4	36.2	54.2
54	44.1	35.0	52.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.415 min Scan# 1943

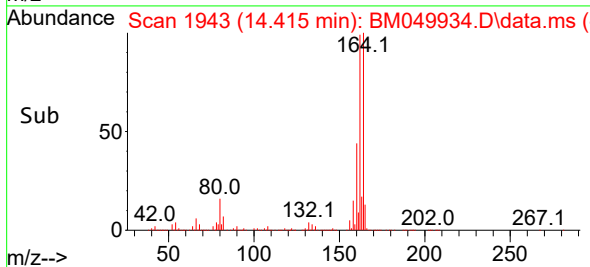
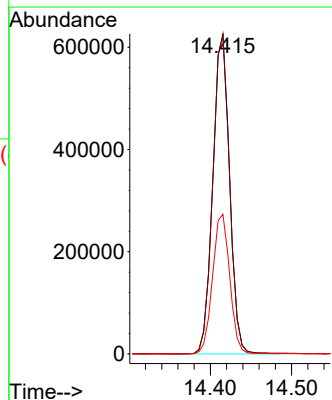
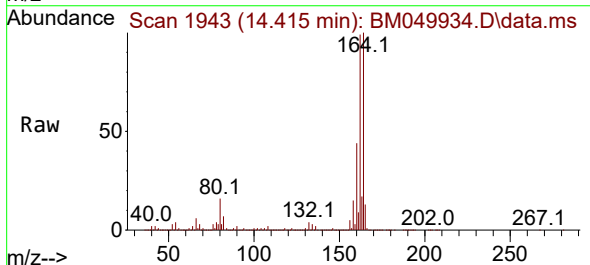
Delta R.T. -0.006 min

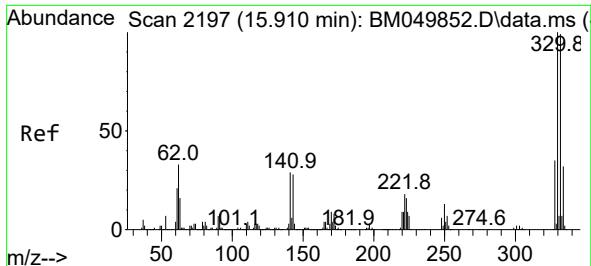
Lab File: BM049934.D

Acq: 15 Apr 2025 14:35

Tgt Ion:164 Resp: 897752

Ion	Ratio	Lower	Upper
164	100		
162	99.3	79.4	119.0
160	43.7	36.2	54.2

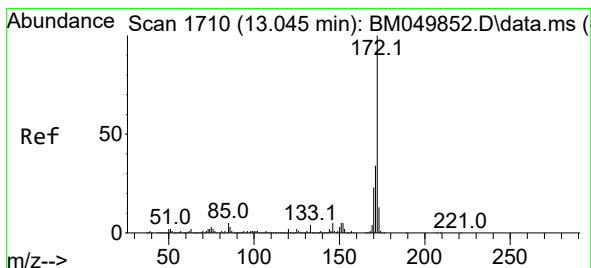
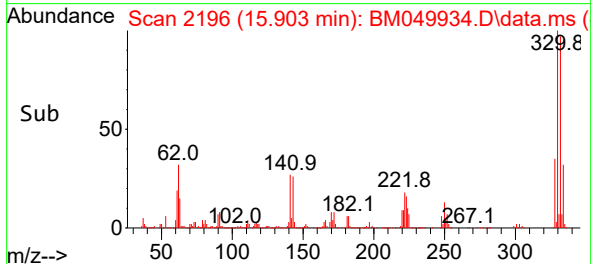
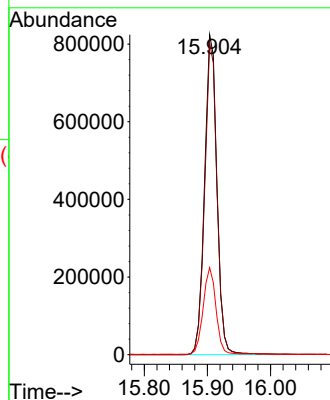
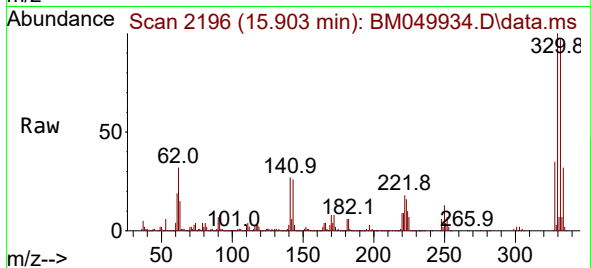




#42
2,4,6-Tribromophenol
Concen: 86.337 ng
RT: 15.903 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BM049934.D
Acq: 15 Apr 2025 14:35

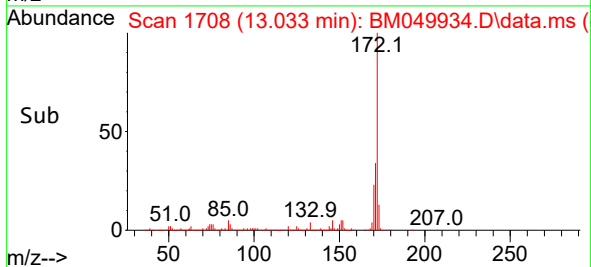
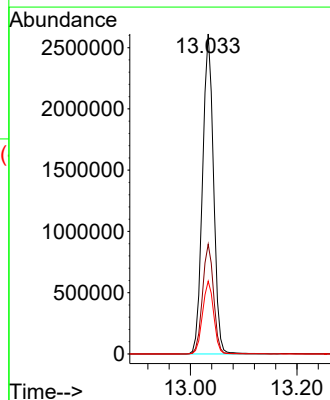
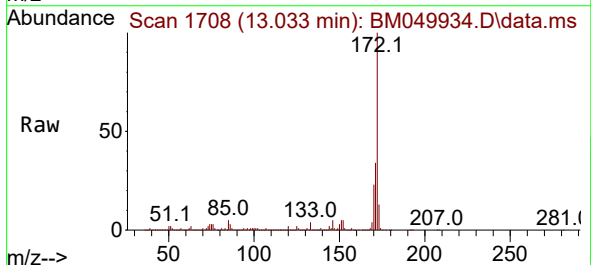
Instrument :
BNA_M
ClientSampleId :
TP-1

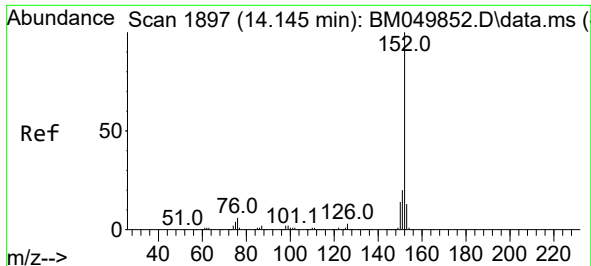
Tgt Ion:330 Resp: 1127406
Ion Ratio Lower Upper
330 100
332 96.9 78.0 117.0
141 27.7 23.5 35.3



#45
2-Fluorobiphenyl
Concen: 56.545 ng
RT: 13.033 min Scan# 1708
Delta R.T. -0.012 min
Lab File: BM049934.D
Acq: 15 Apr 2025 14:35

Tgt Ion:172 Resp: 3743563
Ion Ratio Lower Upper
172 100
171 34.3 27.4 41.2
170 22.7 18.6 28.0

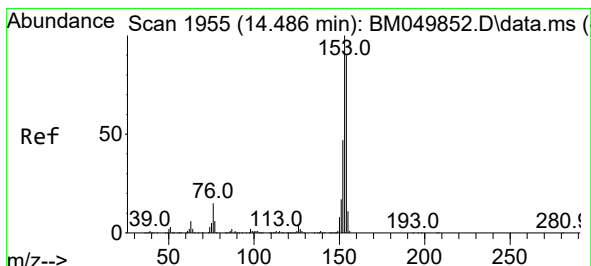
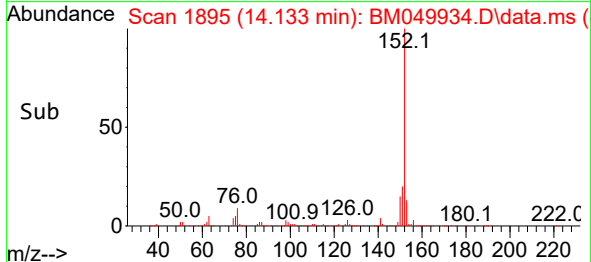
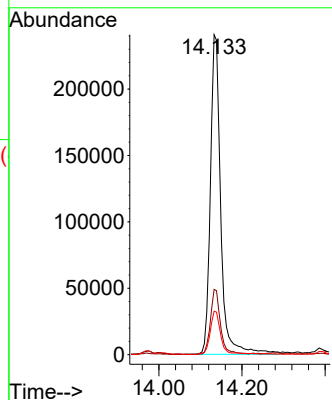
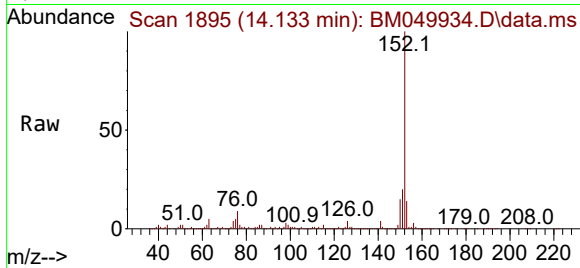




#49
Acenaphthylene
Concen: 5.474 ng
RT: 14.133 min Scan# 1895
Delta R.T. -0.012 min
Lab File: BM049934.D
Acq: 15 Apr 2025 14:35

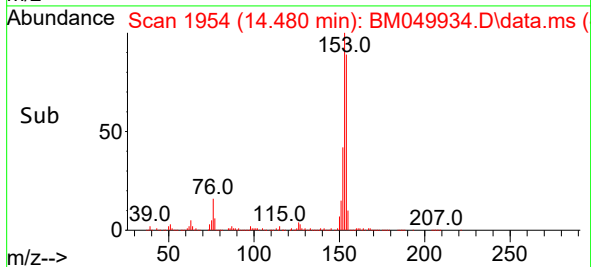
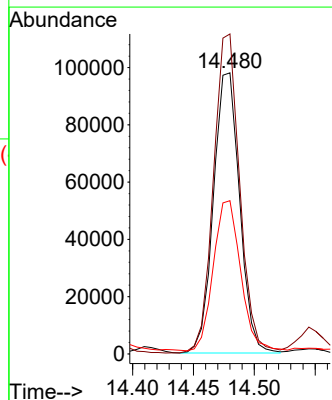
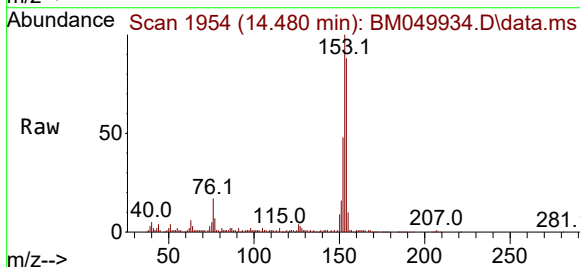
Instrument :
BNA_M
ClientSampleId :
TP-1

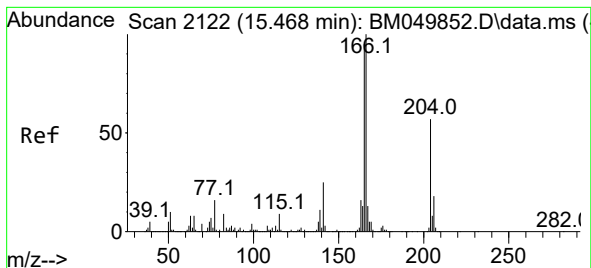
Tgt Ion:152 Resp: 418283
Ion Ratio Lower Upper
152 100
151 20.4 15.7 23.5
153 13.6 10.4 15.6



#52
Acenaphthene
Concen: 3.008 ng
RT: 14.480 min Scan# 1954
Delta R.T. -0.006 min
Lab File: BM049934.D
Acq: 15 Apr 2025 14:35

Tgt Ion:154 Resp: 146207
Ion Ratio Lower Upper
154 100
153 113.8 89.3 133.9
152 54.5 42.2 63.2





#58

Fluorene

Concen: 3.597 ng

RT: 15.462 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM049934.D

Acq: 15 Apr 2025 14:35

Instrument :

BNA_M

ClientSampleId :

TP-1

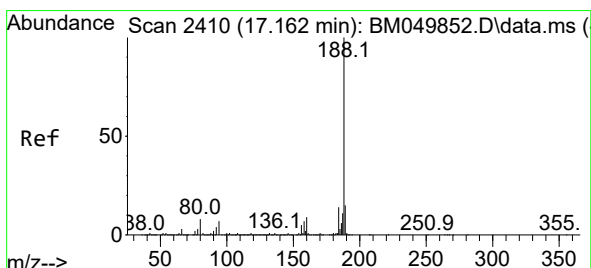
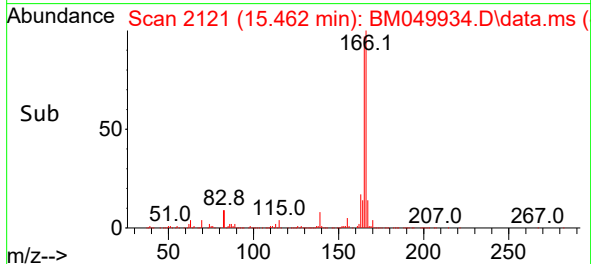
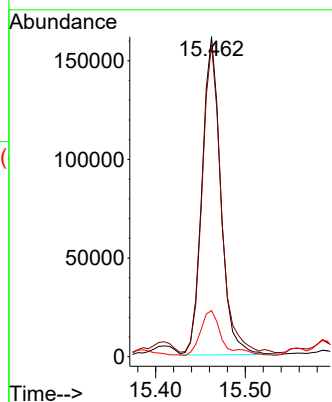
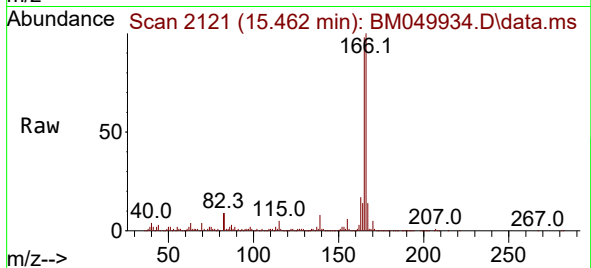
Tgt Ion:166 Resp: 232325

Ion Ratio Lower Upper

166 100

165 97.5 76.3 114.5

167 14.4 10.7 16.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.156 min Scan# 2409

Delta R.T. -0.006 min

Lab File: BM049934.D

Acq: 15 Apr 2025 14:35

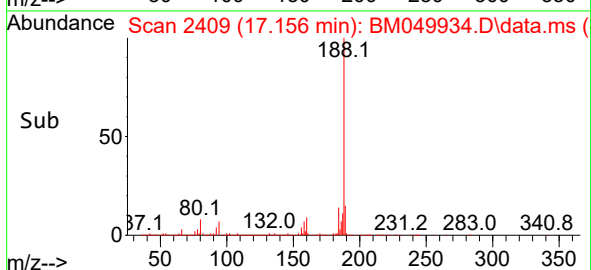
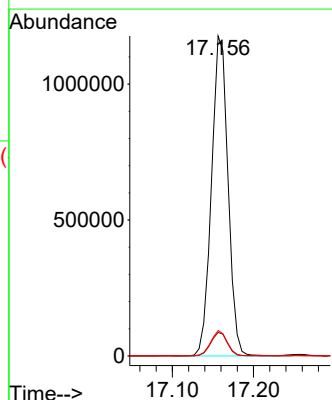
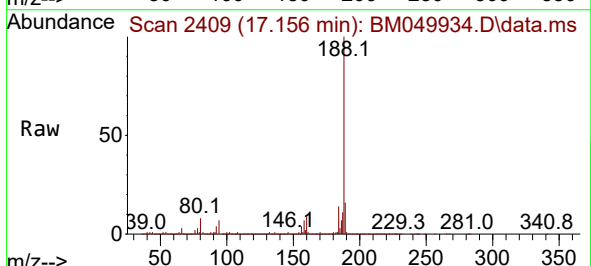
Tgt Ion:188 Resp: 1659775

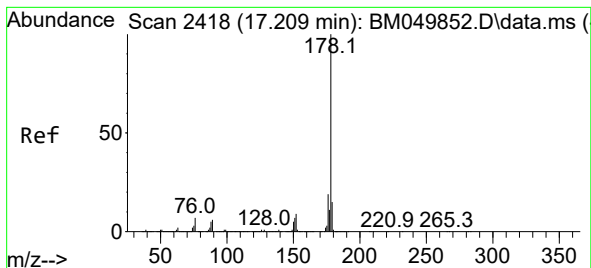
Ion Ratio Lower Upper

188 100

94 7.4 5.8 8.6

80 8.0 6.4 9.6





#71

Phenanthrene

Concen: 34.101 ng

RT: 17.203 min Scan# 2418

Delta R.T. -0.006 min

Lab File: BM049934.D

Acq: 15 Apr 2025 14:35

Instrument :

BNA_M

ClientSampleId :

TP-1

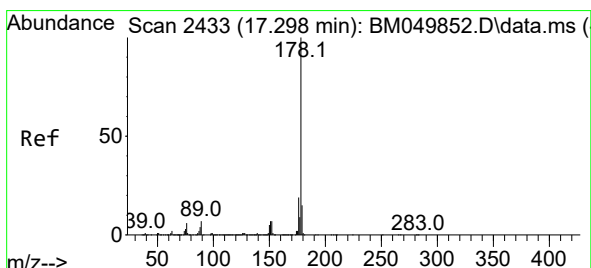
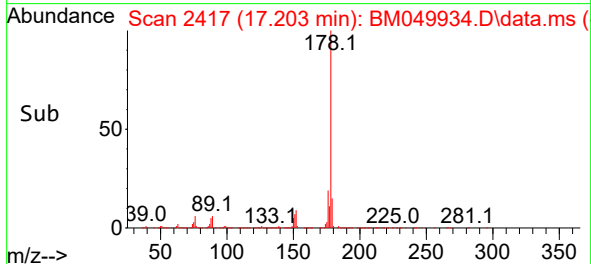
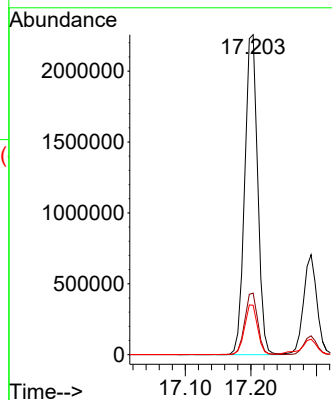
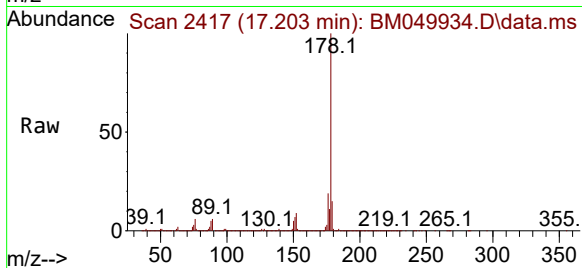
Tgt Ion:178 Resp: 3103045

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

179 15.4 12.3 18.5



#72

Anthracene

Concen: 10.787 ng

RT: 17.292 min Scan# 2432

Delta R.T. -0.006 min

Lab File: BM049934.D

Acq: 15 Apr 2025 14:35

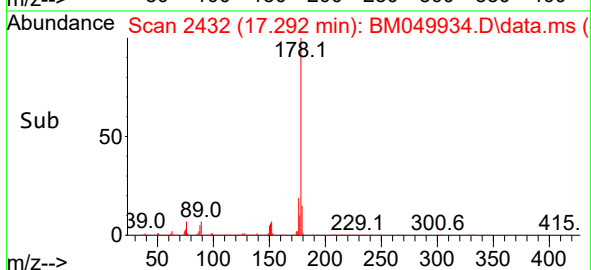
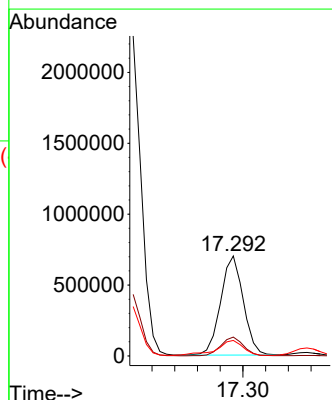
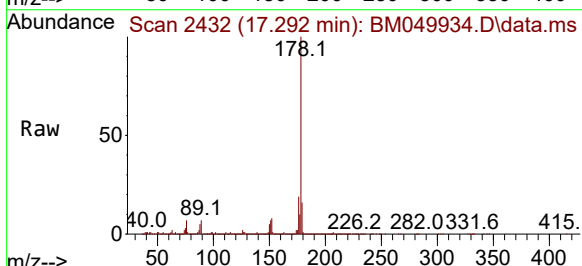
Tgt Ion:178 Resp: 967286

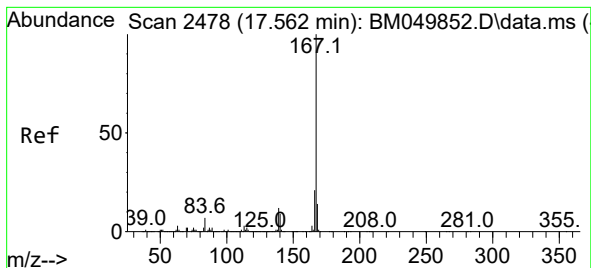
Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

179 15.5 12.4 18.6





#73

Carbazole

Concen: 2.925 ng

RT: 17.562 min Scan# 2478

Delta R.T. -0.000 min

Lab File: BM049934.D

Acq: 15 Apr 2025 14:35

Instrument :

BNA_M

ClientSampleId :

TP-1

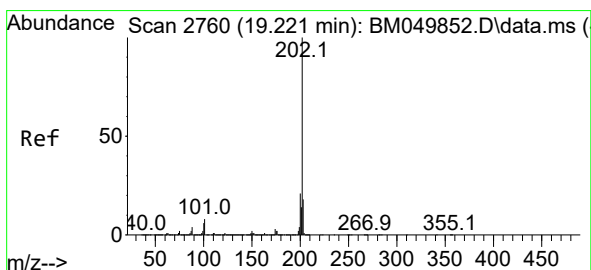
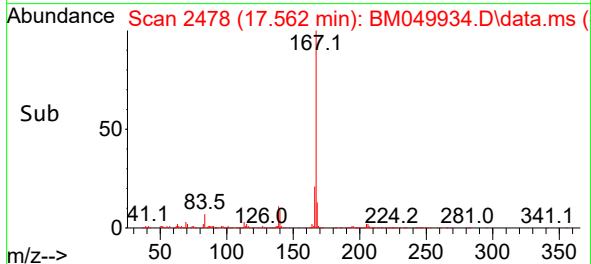
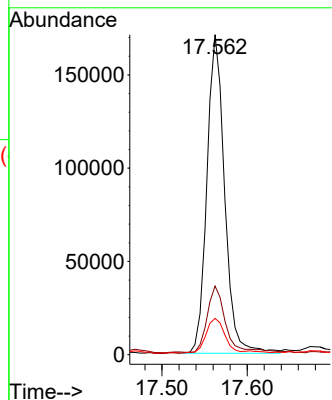
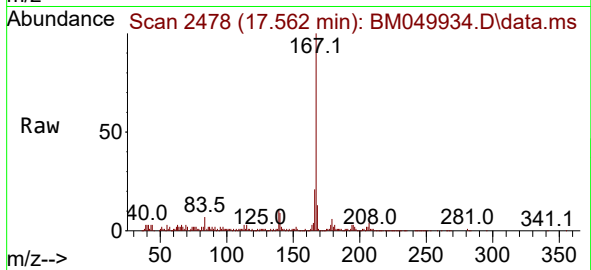
Tgt Ion:167 Resp: 247061

Ion Ratio Lower Upper

167 100

166 21.5 16.9 25.3

139 11.4 9.3 13.9



#75

Fluoranthene

Concen: 60.826 ng

RT: 19.221 min Scan# 2760

Delta R.T. -0.000 min

Lab File: BM049934.D

Acq: 15 Apr 2025 14:35

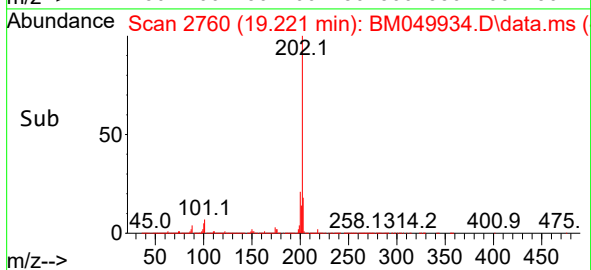
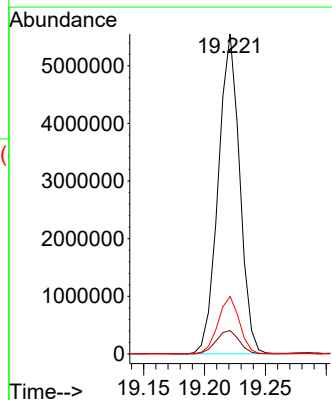
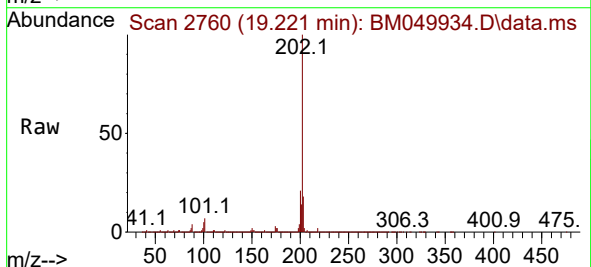
Tgt Ion:202 Resp: 6805391

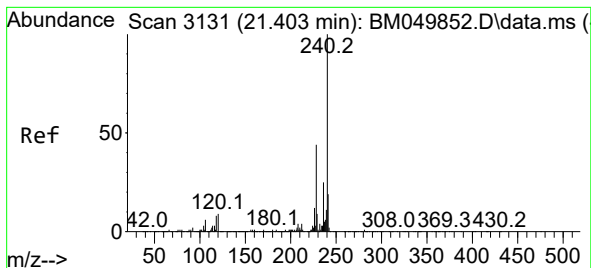
Ion Ratio Lower Upper

202 100

101 7.3 0.0 28.4

203 18.0 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.403 min Scan# 3131

Delta R.T. -0.000 min

Lab File: BM049934.D

Acq: 15 Apr 2025 14:35

Instrument :

BNA_M

ClientSampleId :

TP-1

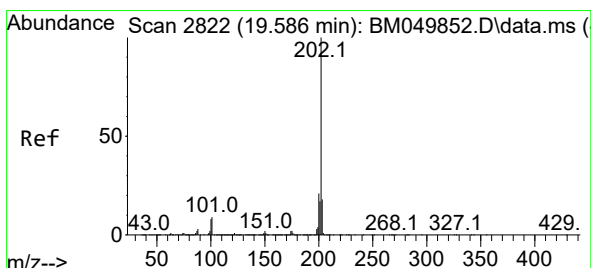
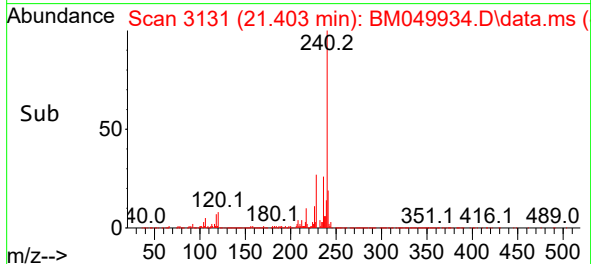
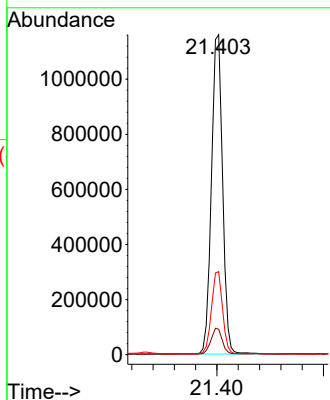
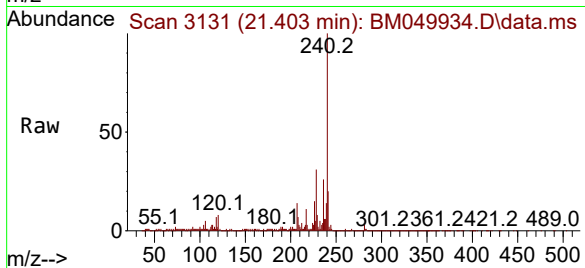
Tgt Ion:240 Resp: 1689044

Ion Ratio Lower Upper

240 100

120 8.0 6.9 10.3

236 25.9 20.4 30.6



#78

Pyrene

Concen: 53.768 ng

RT: 19.586 min Scan# 2822

Delta R.T. -0.000 min

Lab File: BM049934.D

Acq: 15 Apr 2025 14:35

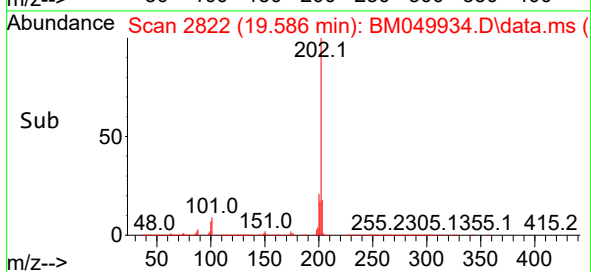
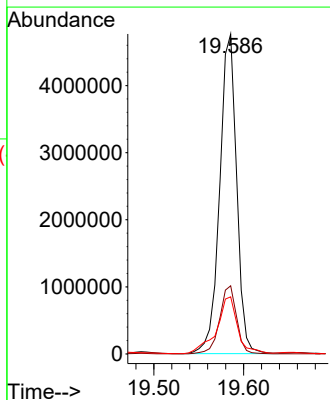
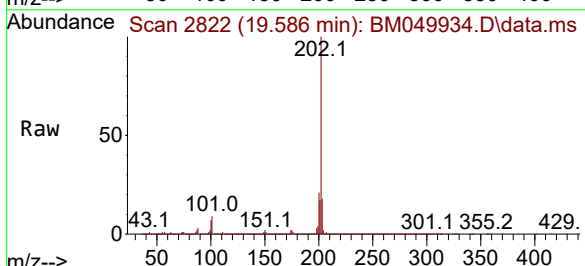
Tgt Ion:202 Resp: 6258940

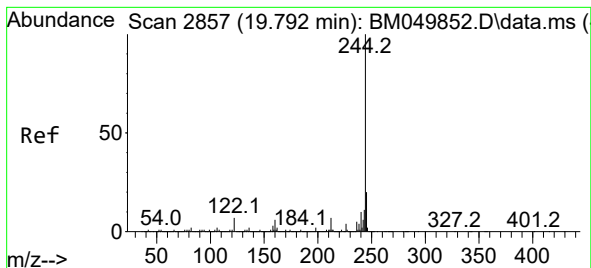
Ion Ratio Lower Upper

202 100

200 21.3 16.5 24.7

203 17.8 14.0 21.0





#79

Terphenyl-d14

Concen: 49.331 ng

RT: 19.786 min Scan# 2

Delta R.T. -0.006 min

Lab File: BM049934.D

Acq: 15 Apr 2025 14:35

Instrument :

BNA_M

ClientSampleId :

TP-1

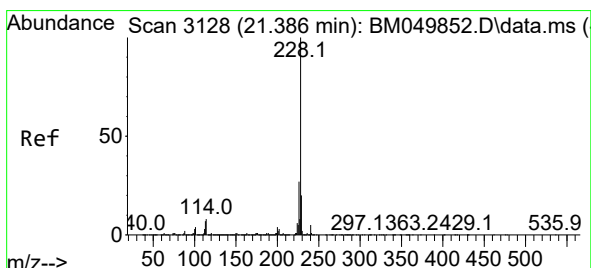
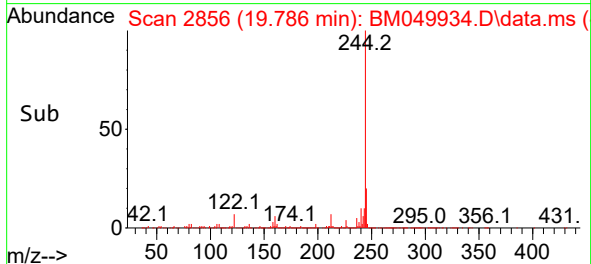
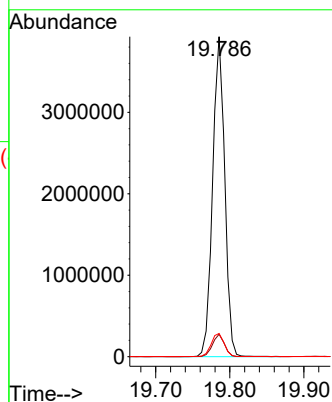
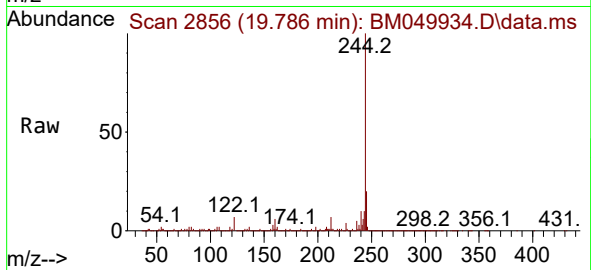
Tgt Ion:244 Resp: 4446142

Ion Ratio Lower Upper

244 100

212 7.0 5.5 8.3

122 7.2 5.4 8.0



#81

Benzo(a)anthracene

Concen: 36.948 ng

RT: 21.380 min Scan# 3127

Delta R.T. -0.006 min

Lab File: BM049934.D

Acq: 15 Apr 2025 14:35

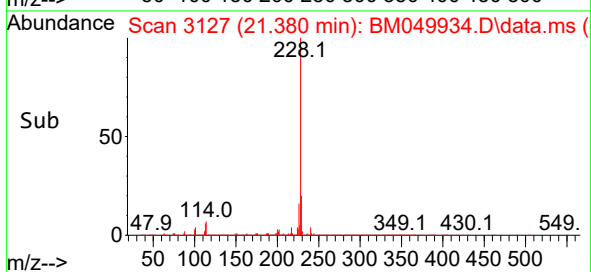
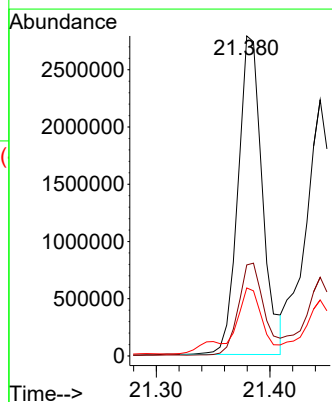
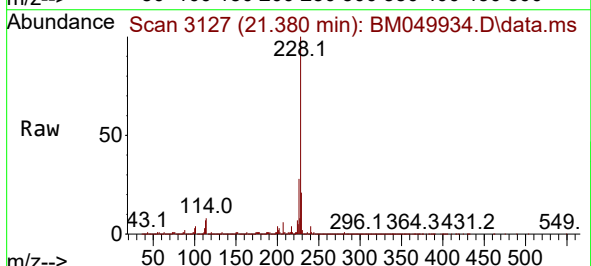
Tgt Ion:228 Resp: 4147532

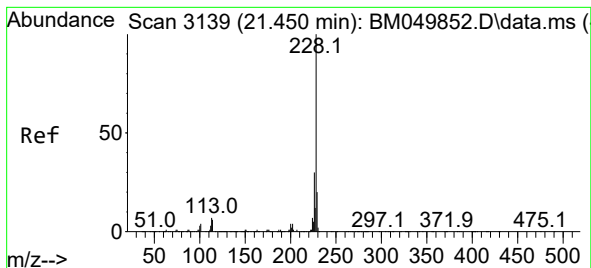
Ion Ratio Lower Upper

228 100

226 28.4 21.8 32.8

229 21.3 15.8 23.8





#83

Chrysene

Concen: 33.458 ng

RT: 21.444 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM049934.D

Acq: 15 Apr 2025 14:35

Instrument :

BNA_M

ClientSampleId :

TP-1

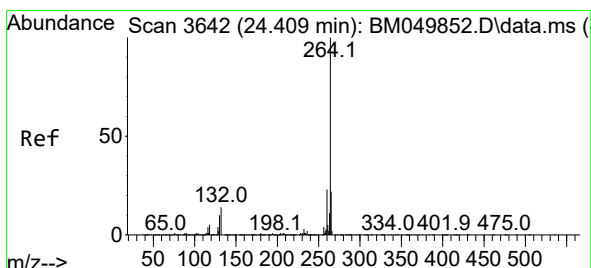
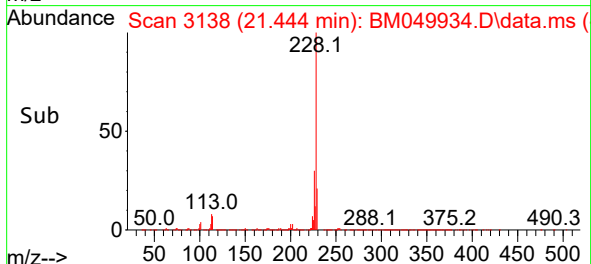
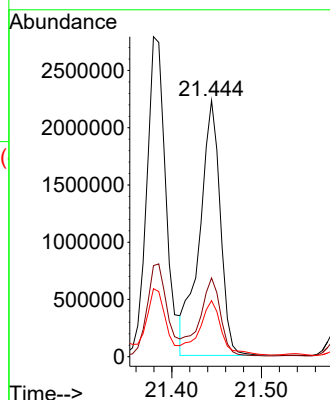
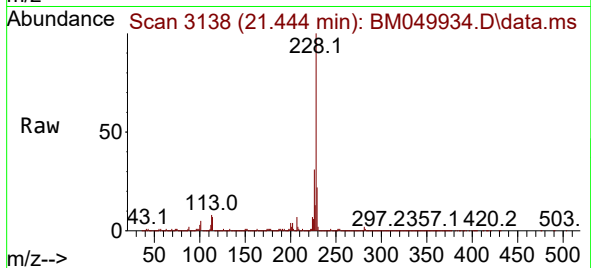
Tgt Ion:228 Resp: 3570674

Ion Ratio Lower Upper

228 100

226 30.7 24.1 36.1

229 21.9 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: BM049934.D

Acq: 15 Apr 2025 14:35

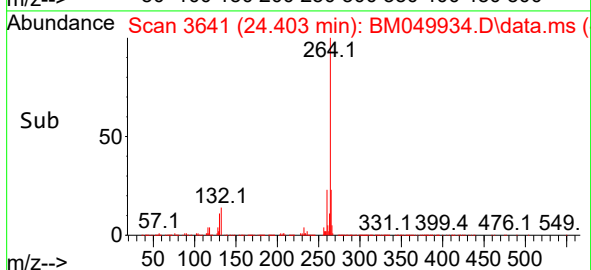
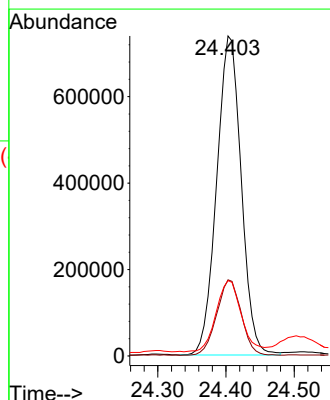
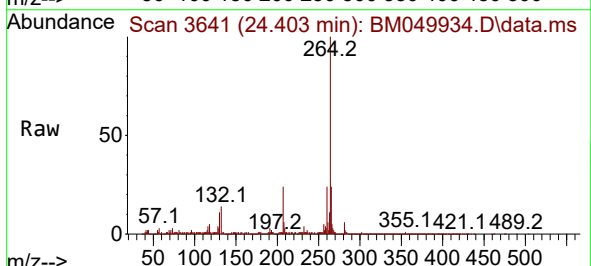
Tgt Ion:264 Resp: 1851252

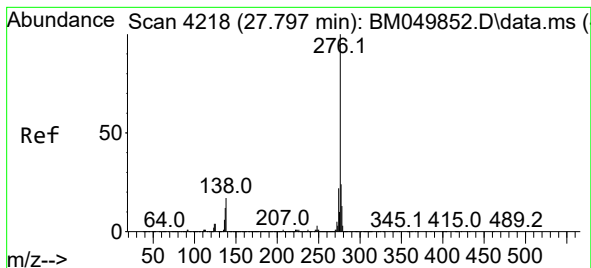
Ion Ratio Lower Upper

264 100

260 23.8 18.6 28.0

265 23.6 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 20.981 ng

RT: 27.797 min Scan# 41

Delta R.T. -0.000 min

Lab File: BM049934.D

Acq: 15 Apr 2025 14:35

Instrument :

BNA_M

ClientSampleId :

TP-1

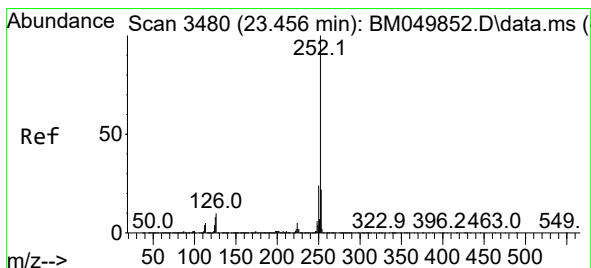
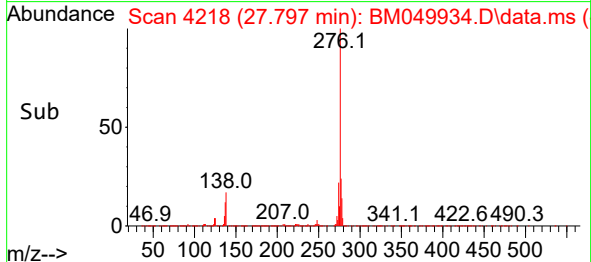
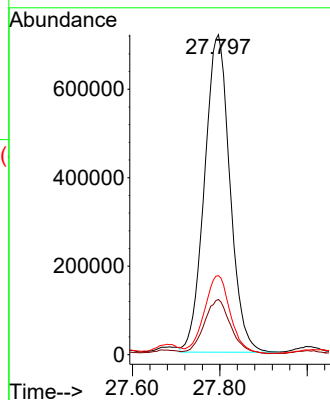
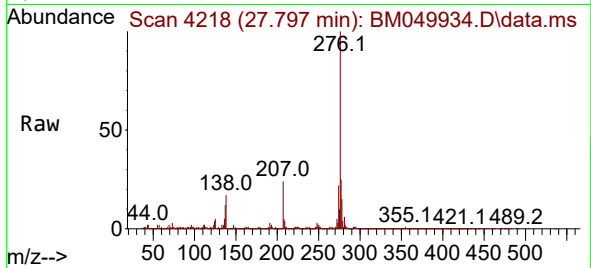
Tgt Ion:276 Resp: 2895328

Ion Ratio Lower Upper

276 100

138 17.8 16.8 25.2

277 24.9 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 47.626 ng

RT: 23.462 min Scan# 3481

Delta R.T. 0.006 min

Lab File: BM049934.D

Acq: 15 Apr 2025 14:35

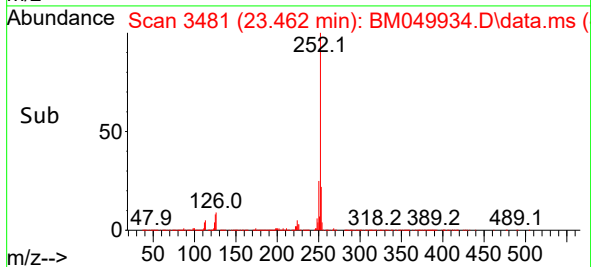
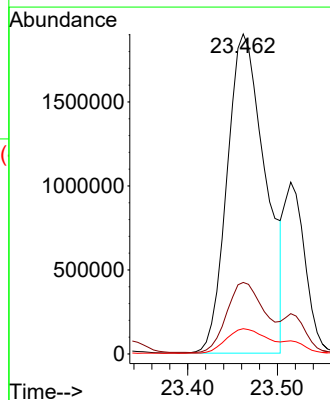
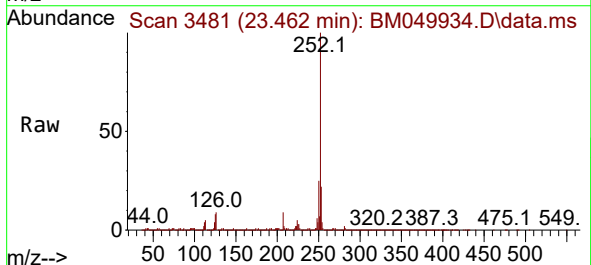
Tgt Ion:252 Resp: 5630945

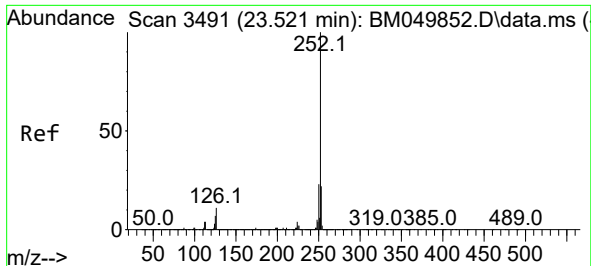
Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

125 7.9 6.2 9.4

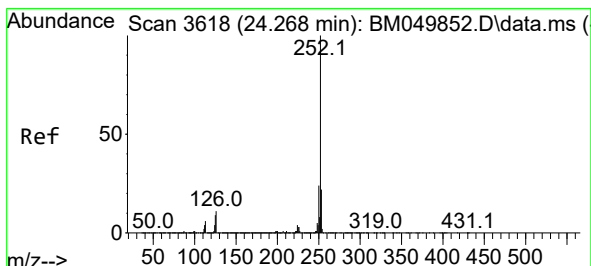
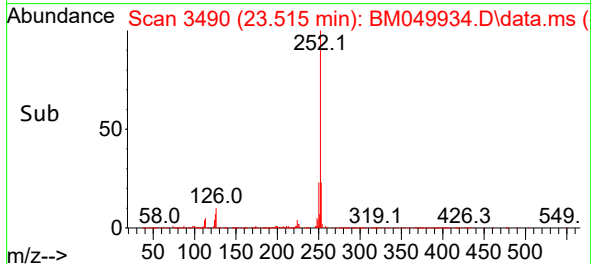
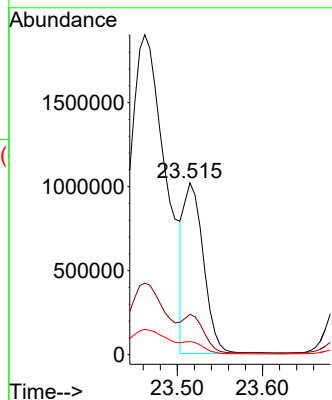
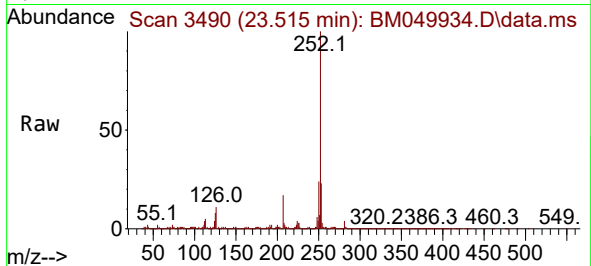




#89
Benzo(k)fluoranthene
Concen: 14.129 ng
RT: 23.515 min Scan# 3491
Delta R.T. -0.006 min
Lab File: BM049934.D
Acq: 15 Apr 2025 14:35

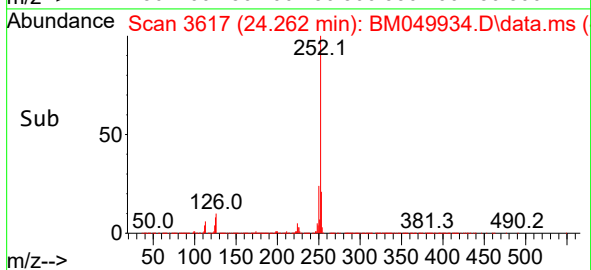
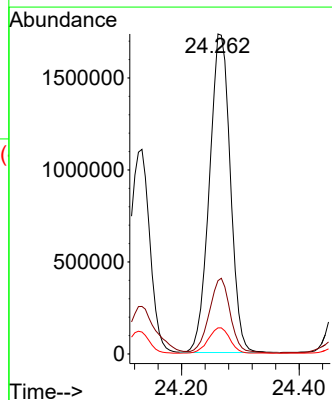
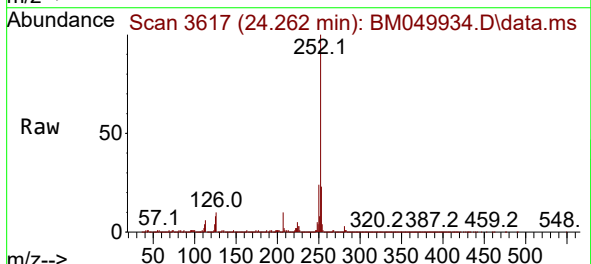
Instrument :
BNA_M
ClientSampleId :
TP-1

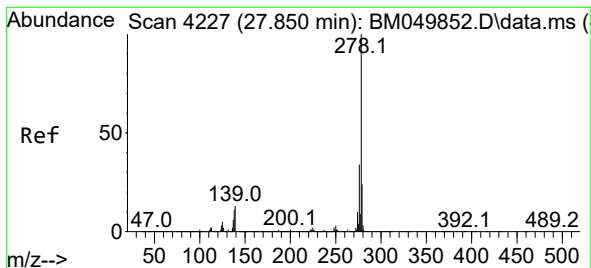
Tgt Ion:252 Resp: 1618819
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.2
125 7.6 5.8 8.8



#90
Benzo(a)pyrene
Concen: 41.102 ng
RT: 24.262 min Scan# 3617
Delta R.T. -0.006 min
Lab File: BM049934.D
Acq: 15 Apr 2025 14:35

Tgt Ion:252 Resp: 4270302
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 8.2 7.0 10.4





#91

Dibenzo(a,h)anthracene

Concen: 6.601 ng

RT: 27.826 min Scan# 41

Delta R.T. -0.024 min

Lab File: BM049934.D

Acq: 15 Apr 2025 14:35

Instrument :

BNA_M

ClientSampleId :

TP-1

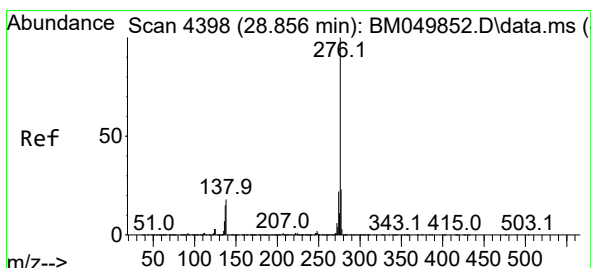
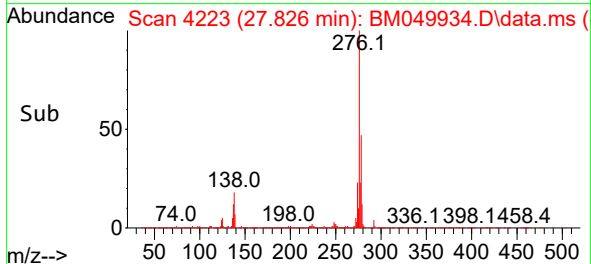
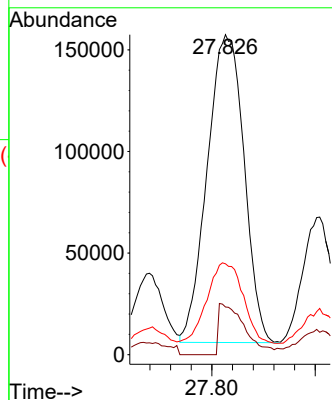
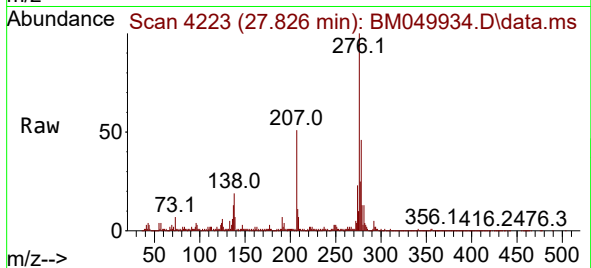
Tgt Ion:278 Resp: 750329

Ion Ratio Lower Upper

278 100

139 14.9 10.6 15.8

279 28.4 19.1 28.7



#92

Benzo(g,h,i)perylene

Concen: 24.100 ng

RT: 28.856 min Scan# 4398

Delta R.T. -0.000 min

Lab File: BM049934.D

Acq: 15 Apr 2025 14:35

Tgt Ion:276 Resp: 2799189

Ion Ratio Lower Upper

276 100

277 23.5 18.7 28.1

138 17.9 14.6 21.8

