

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
 Data File : BM050071.D
 Acq On : 01 May 2025 19:20
 Operator : RC/JU
 Sample : Q1914-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SS-2

Quant Time: May 02 01:11:55 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

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

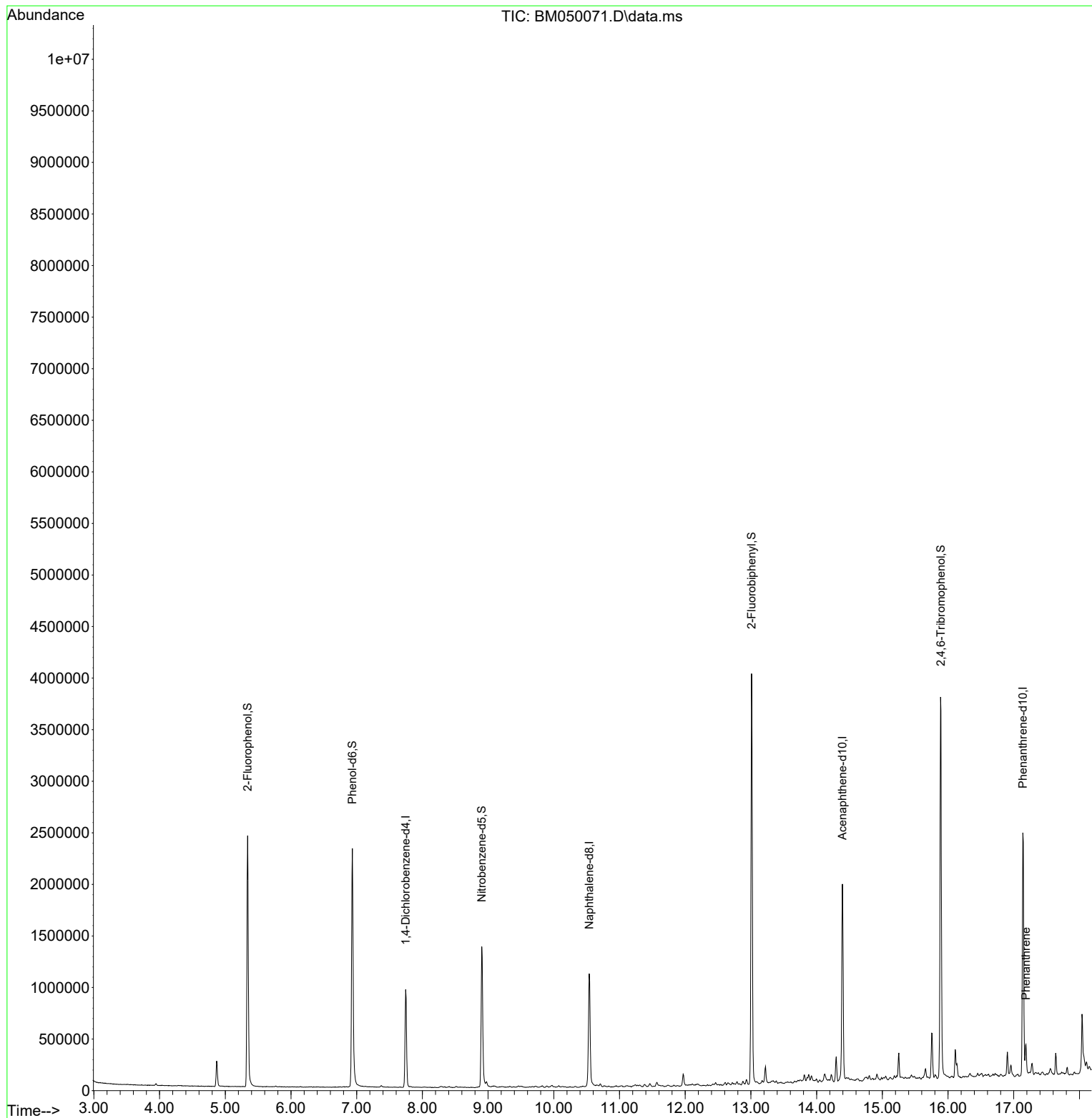
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	275696	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	997778	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	688876	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	1445780	20.000	ng	-0.02
76) Chrysene-d12	21.380	240	1428816	20.000	ng	-0.02
86) Perylene-d12	24.374	264	1491423	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1125564	71.490	ng	-0.02
7) Phenol-d6	6.934	99	1499693	75.785	ng	-0.02
23) Nitrobenzene-d5	8.904	82	864568	42.698	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	778733	76.452	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	2185694	37.534	ng	-0.02
79) Terphenyl-d14	19.768	244	3685825	38.172	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	17.186	178	186931	2.292	ng	99
75) Fluoranthene	19.204	202	452275	4.724	ng	99
78) Pyrene	19.562	202	447753	4.463	ng	98
81) Benzo(a)anthracene	21.362	228	288635	2.934	ng	97
83) Chrysene	21.427	228	263137	2.890	ng	97
88) Benzo(b)fluoranthene	23.433	252	365702	3.770	ng	# 97
90) Benzo(a)pyrene	24.227	252	274759	3.025	ng	# 95
92) Benzo(g,h,i)perylene	28.803	276	211557	2.439	ng	99

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

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Misc :
ALS Vial : 11 Sample Multiplier: 1

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ClientSampleId :
SS-2

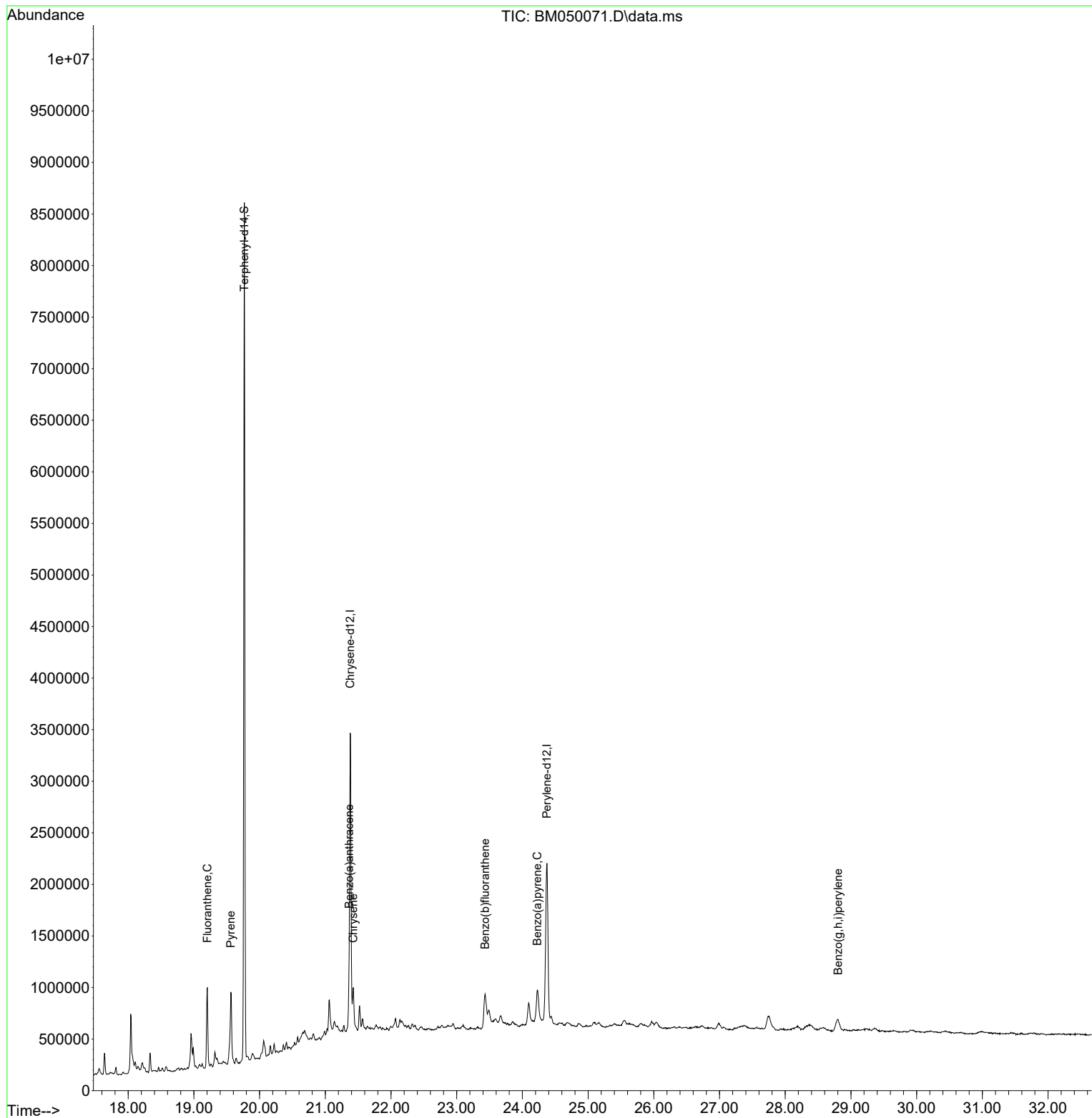
Quant Time: May 02 01:11:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
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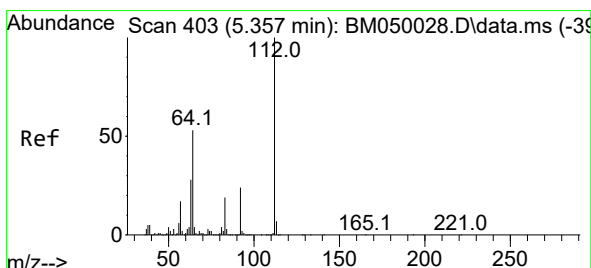
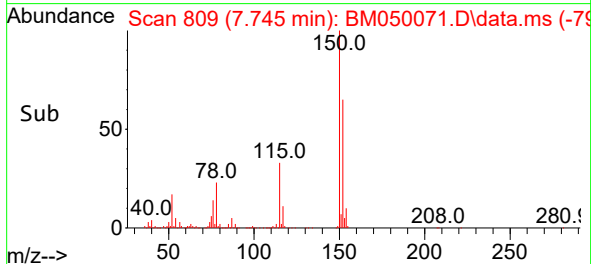
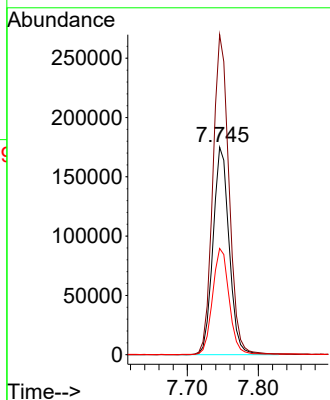
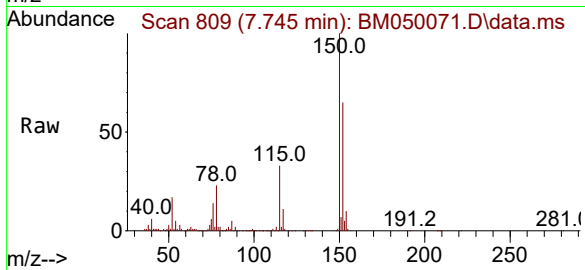




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 809
Delta R.T. -0.024 min
Lab File: BM050071.D
Acq: 01 May 2025 19:20

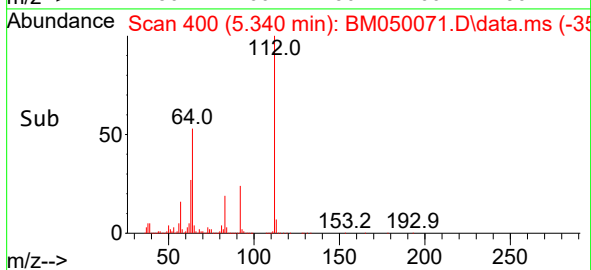
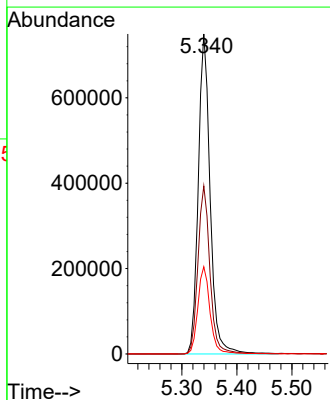
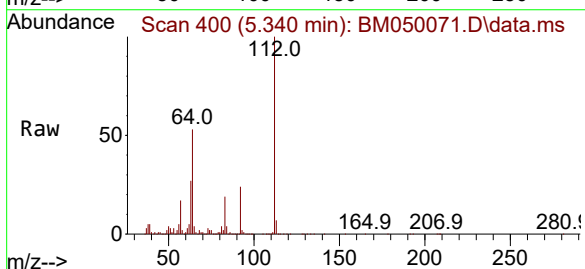
Instrument :
BNA_M
ClientSampleId :
SS-2

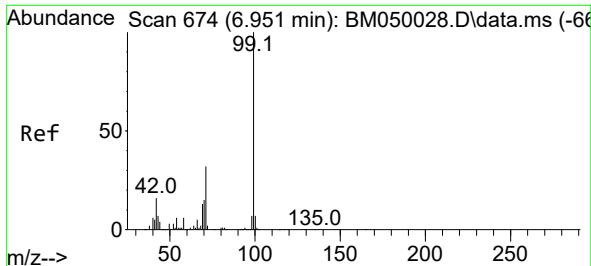
Tgt Ion:152 Resp: 275696
Ion Ratio Lower Upper
152 100
150 154.2 124.1 186.1
115 51.2 41.2 61.8



#5
2-Fluorophenol
Concen: 71.490 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050071.D
Acq: 01 May 2025 19:20

Tgt Ion:112 Resp: 1125564
Ion Ratio Lower Upper
112 100
64 52.5 42.6 64.0
63 27.2 22.2 33.4

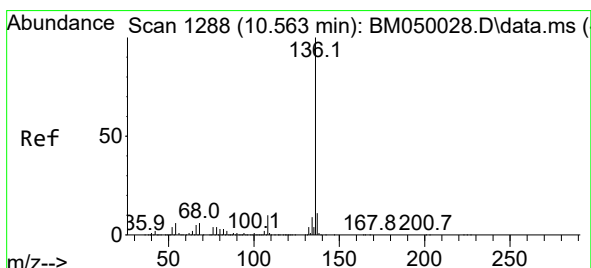
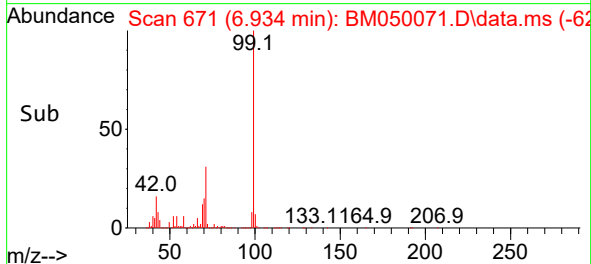
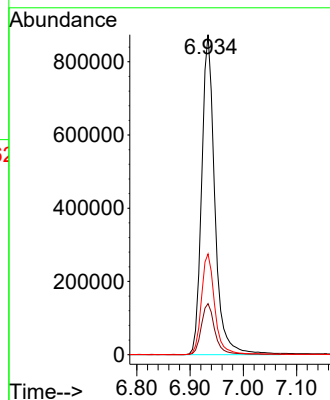
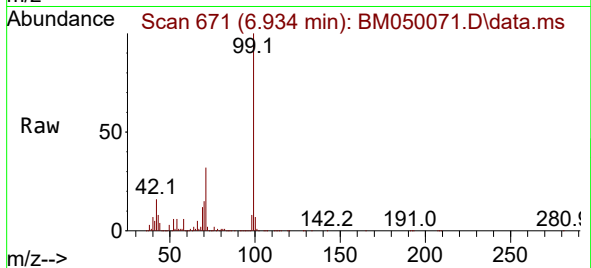




#7
Phenol-d6
Concen: 75.785 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050071.D
Acq: 01 May 2025 19:20

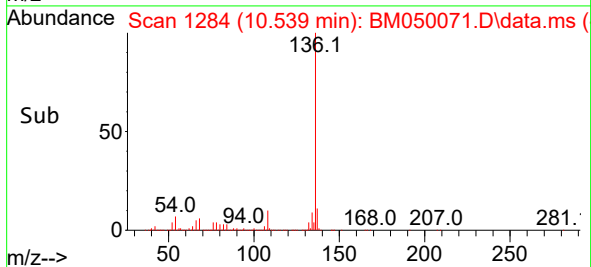
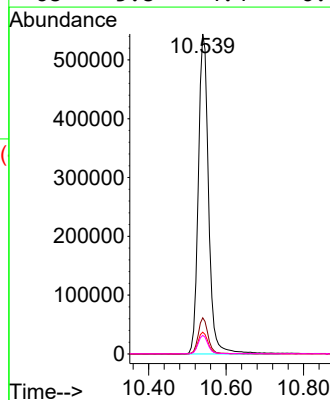
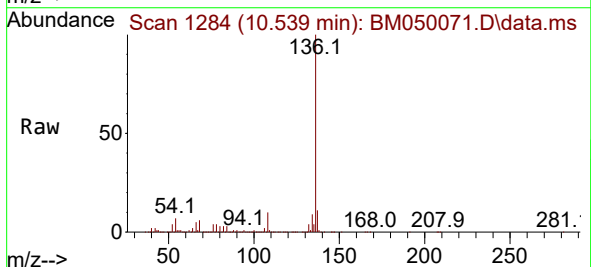
Instrument :
BNA_M
ClientSampleId :
SS-2

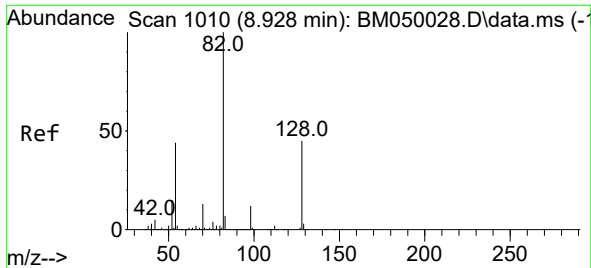
Tgt Ion: 99 Resp: 1499693
Ion Ratio Lower Upper
99 100
42 16.0 13.0 19.4
71 31.5 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.023 min
Lab File: BM050071.D
Acq: 01 May 2025 19:20

Tgt Ion: 136 Resp: 997778
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 6.8 5.1 7.7
68 5.8 4.4 6.6

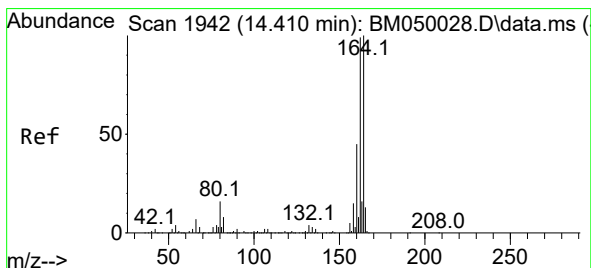
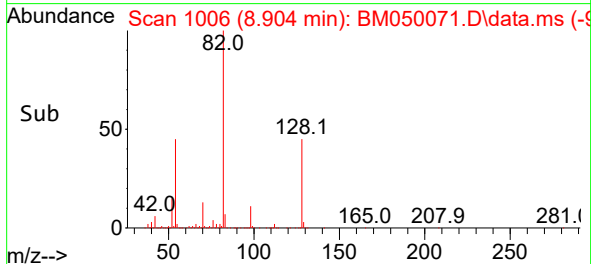
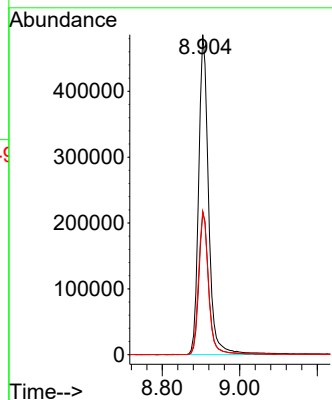
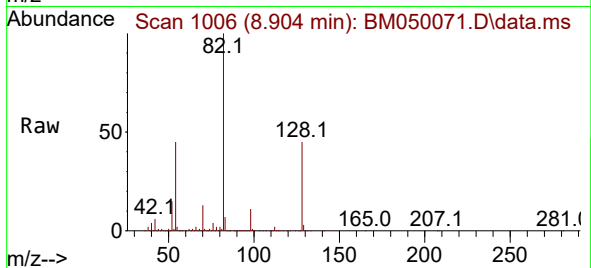




#23
Nitrobenzene-d5
Concen: 42.698 ng
RT: 8.904 min Scan# 1006
Delta R.T. -0.023 min
Lab File: BM050071.D
Acq: 01 May 2025 19:20

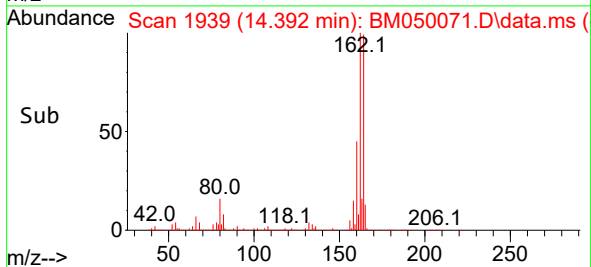
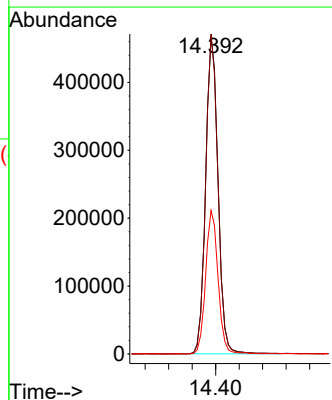
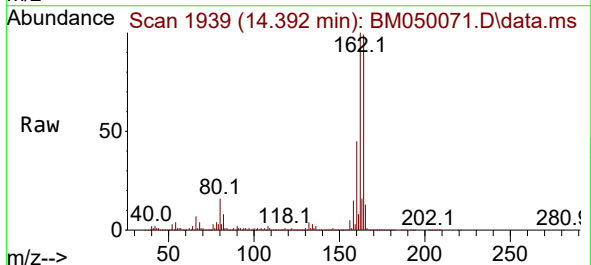
Instrument :
BNA_M
ClientSampleId :
SS-2

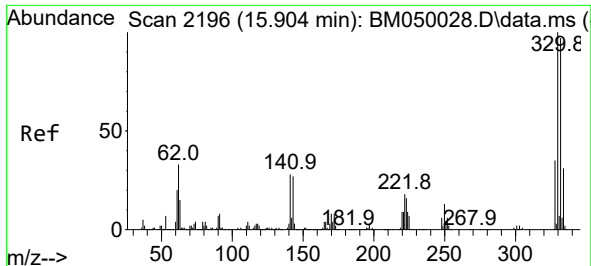
Tgt Ion: 82 Resp: 864568
Ion Ratio Lower Upper
82 100
128 44.6 35.7 53.5
54 44.8 35.4 53.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050071.D
Acq: 01 May 2025 19:20

Tgt Ion: 164 Resp: 688876
Ion Ratio Lower Upper
164 100
162 100.8 79.4 119.0
160 45.2 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 76.452 ng

RT: 15.892 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050071.D

Acq: 01 May 2025 19:20

Instrument :

BNA_M

ClientSampleId :

SS-2

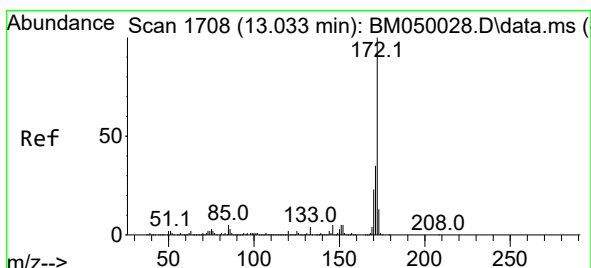
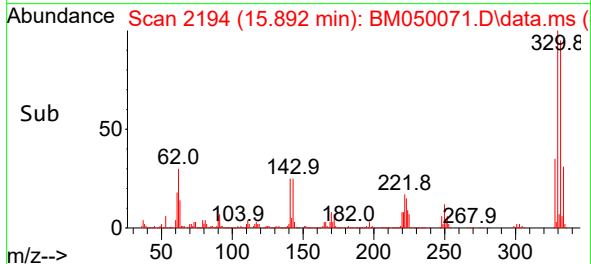
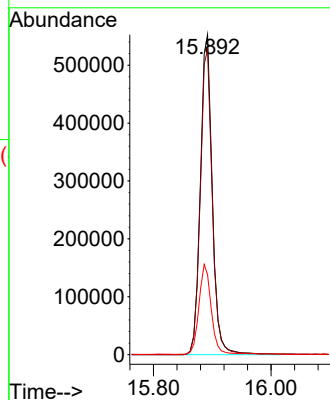
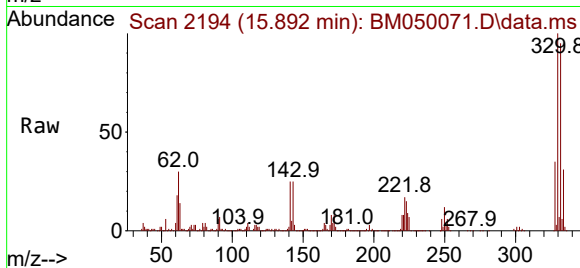
Tgt Ion:330 Resp: 778733

Ion Ratio Lower Upper

330 100

332 96.6 77.3 115.9

141 28.7 22.5 33.7



#45

2-Fluorobiphenyl

Concen: 37.534 ng

RT: 13.010 min Scan# 1704

Delta R.T. -0.023 min

Lab File: BM050071.D

Acq: 01 May 2025 19:20

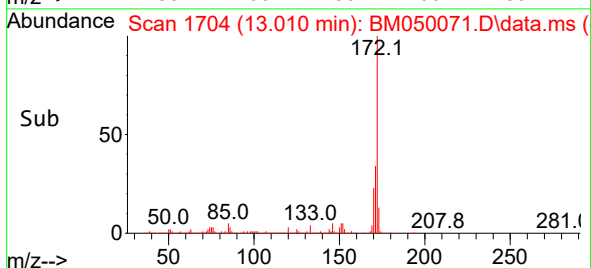
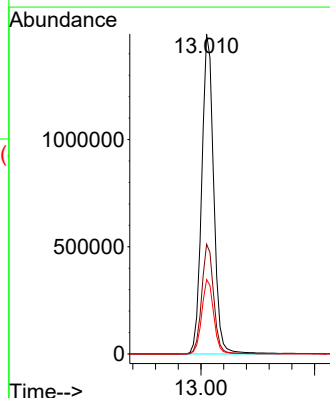
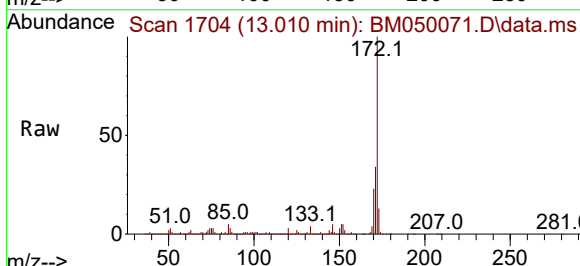
Tgt Ion:172 Resp: 2185694

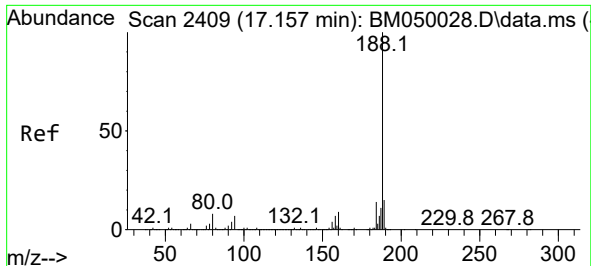
Ion Ratio Lower Upper

172 100

171 34.3 27.8 41.6

170 23.2 18.6 28.0

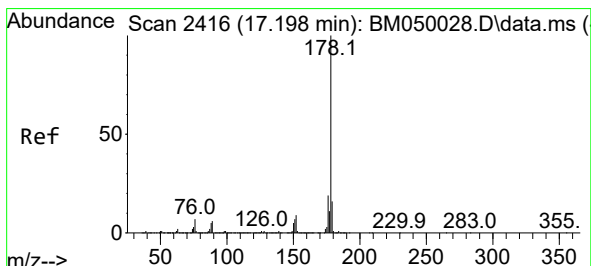
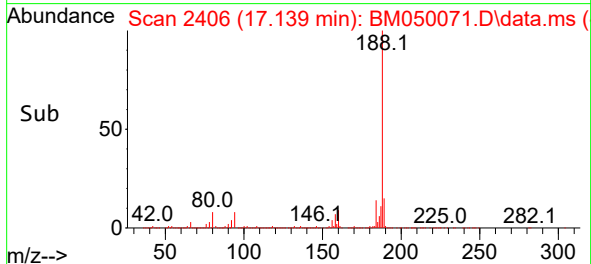
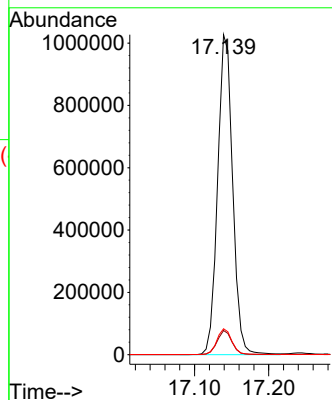
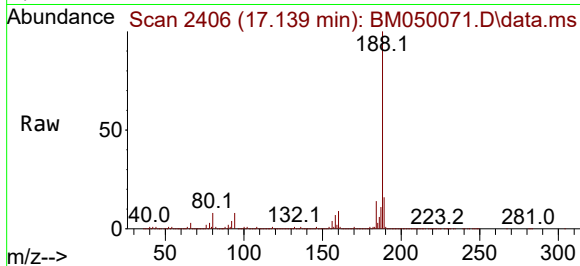




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.139 min Scan# 2406
Delta R.T. -0.018 min
Lab File: BM050071.D
Acq: 01 May 2025 19:20

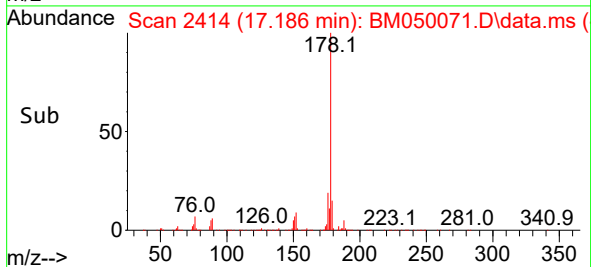
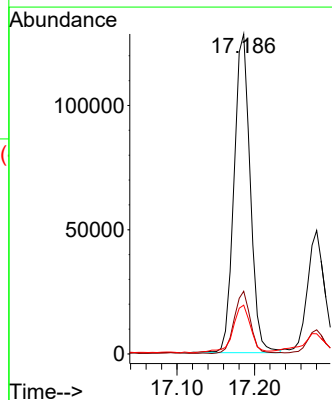
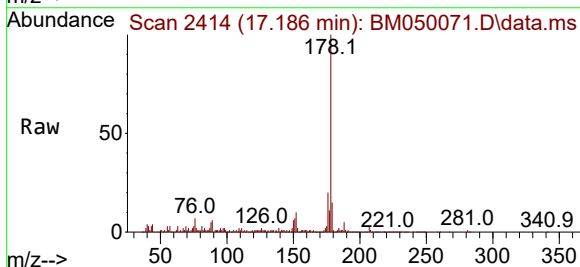
Instrument :
BNA_M
ClientSampleId :
SS-2

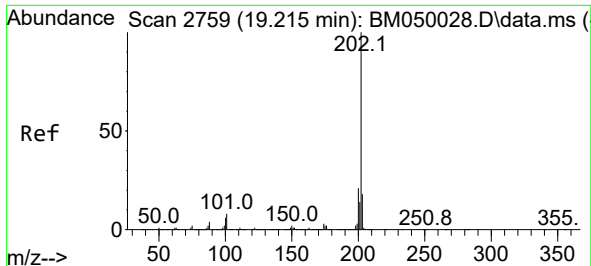
Tgt Ion:188 Resp: 1445780
Ion Ratio Lower Upper
188 100
94 7.5 5.7 8.5
80 8.1 6.2 9.4



#71
Phenanthrene
Concen: 2.292 ng
RT: 17.186 min Scan# 2414
Delta R.T. -0.012 min
Lab File: BM050071.D
Acq: 01 May 2025 19:20

Tgt Ion:178 Resp: 186931
Ion Ratio Lower Upper
178 100
176 19.6 15.3 22.9
179 15.3 12.4 18.6

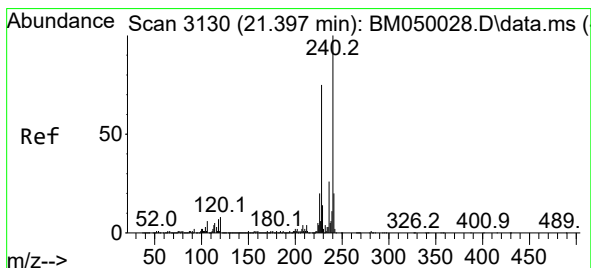
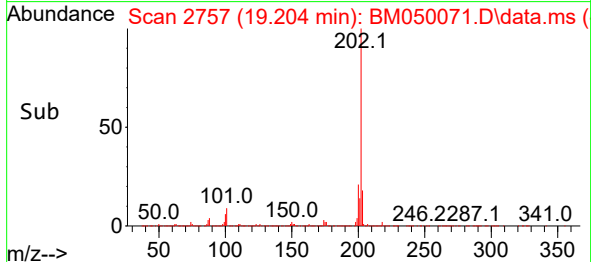
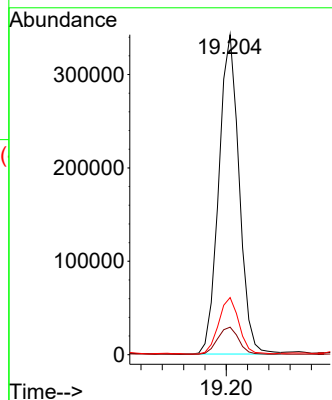
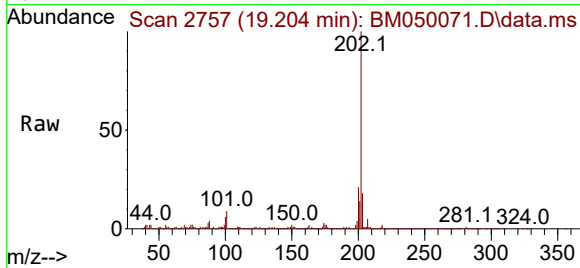




#75
Fluoranthene
Concen: 4.724 ng
RT: 19.204 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050071.D
Acq: 01 May 2025 19:20

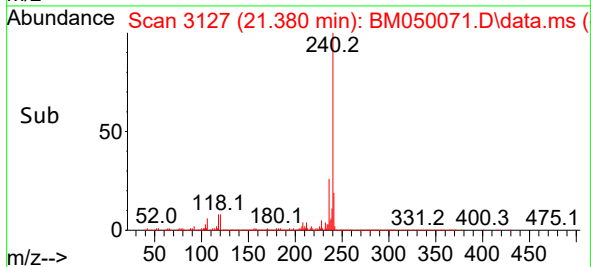
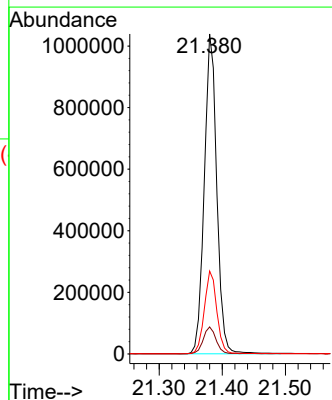
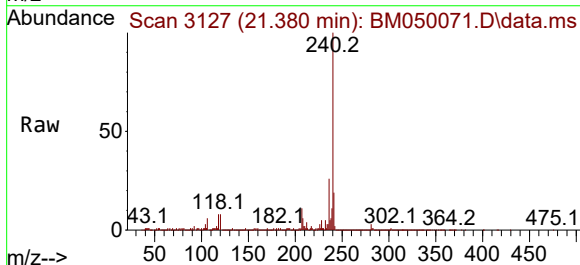
Instrument :
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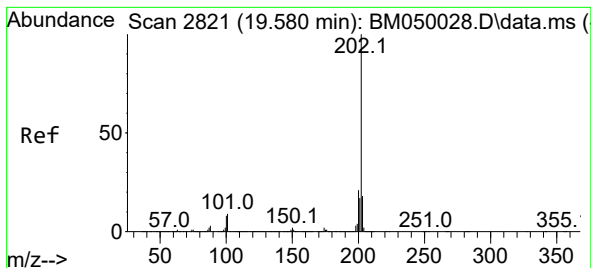
Tgt Ion:202 Resp: 452275
Ion Ratio Lower Upper
202 100
101 8.6 0.0 28.0
203 17.9 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.380 min Scan# 3127
Delta R.T. -0.017 min
Lab File: BM050071.D
Acq: 01 May 2025 19:20

Tgt Ion:240 Resp: 1428816
Ion Ratio Lower Upper
240 100
120 8.4 6.5 9.7
236 25.9 20.9 31.3





#78

Pyrene

Concen: 4.463 ng

RT: 19.562 min Scan# 2

Delta R.T. -0.018 min

Lab File: BM050071.D

Acq: 01 May 2025 19:20

Instrument :

BNA_M

ClientSampleId :

SS-2

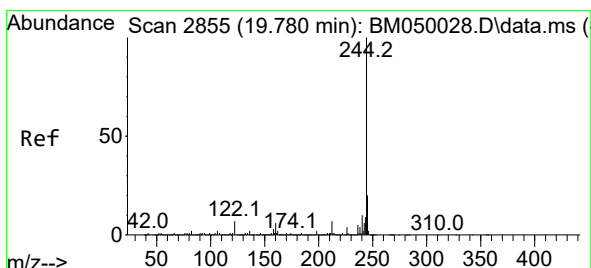
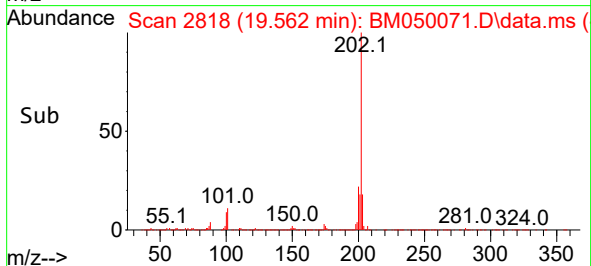
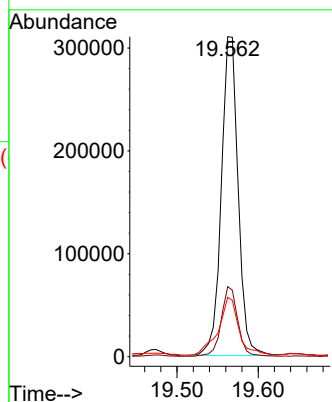
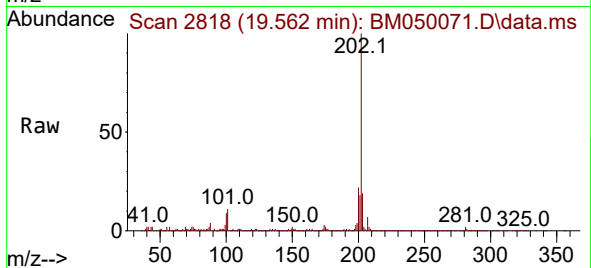
Tgt Ion:202 Resp: 447753

Ion Ratio Lower Upper

202 100

200 21.9 16.7 25.1

203 18.5 14.1 21.1



#79

Terphenyl-d14

Concen: 38.172 ng

RT: 19.768 min Scan# 2853

Delta R.T. -0.012 min

Lab File: BM050071.D

Acq: 01 May 2025 19:20

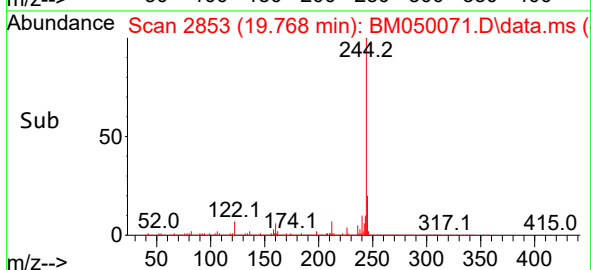
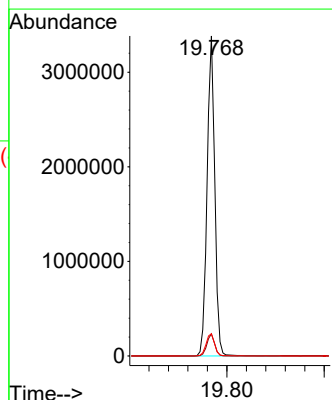
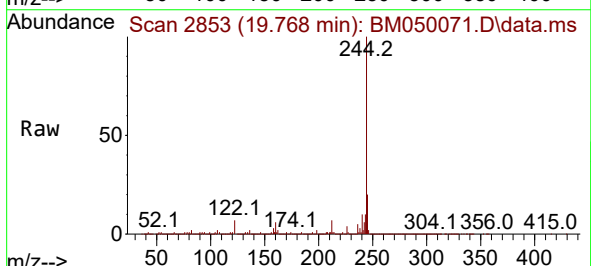
Tgt Ion:244 Resp: 3685825

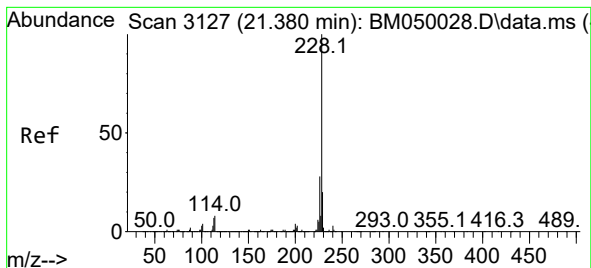
Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

122 6.9 5.6 8.4





#81

Benzo(a)anthracene

Concen: 2.934 ng

RT: 21.362 min Scan# 3124

Delta R.T. -0.018 min

Lab File: BM050071.D

Acq: 01 May 2025 19:20

Instrument :

BNA_M

ClientSampleId :

SS-2

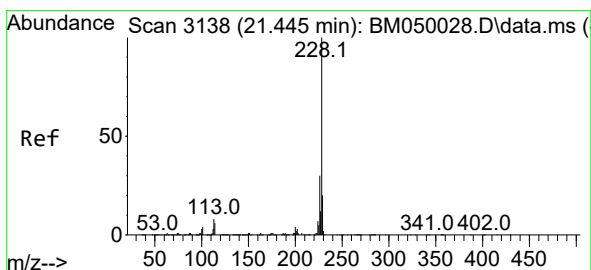
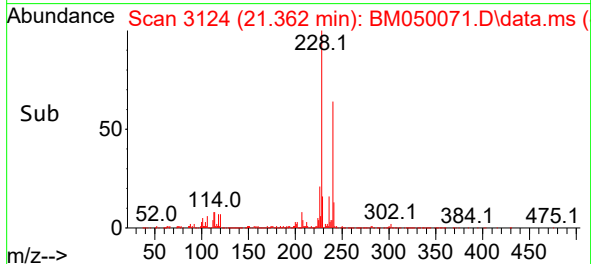
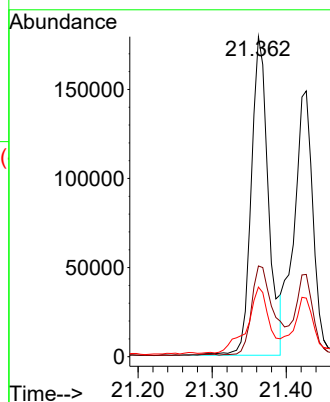
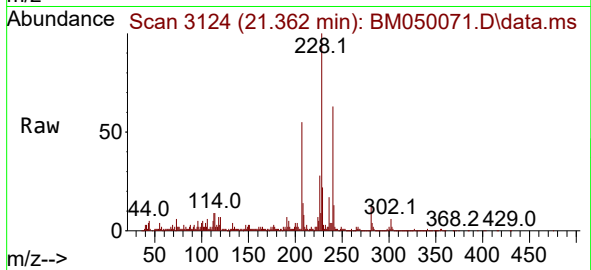
Tgt Ion:228 Resp: 288635

Ion Ratio Lower Upper

228 100

226 28.3 22.1 33.1

229 21.7 15.7 23.5



#83

Chrysene

Concen: 2.890 ng

RT: 21.427 min Scan# 3135

Delta R.T. -0.018 min

Lab File: BM050071.D

Acq: 01 May 2025 19:20

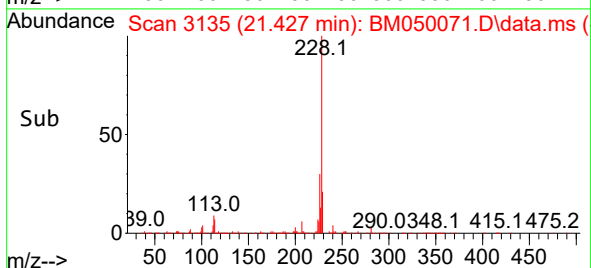
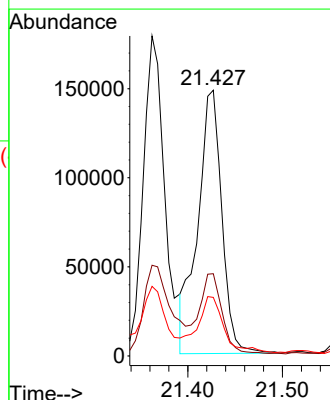
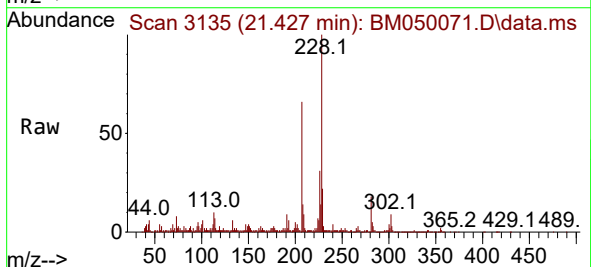
Tgt Ion:228 Resp: 263137

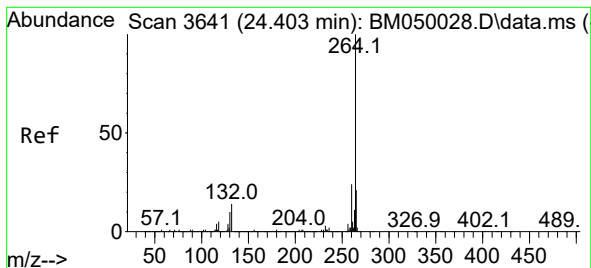
Ion Ratio Lower Upper

228 100

226 31.0 24.2 36.2

229 22.1 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.374 min Scan# 3

Delta R.T. -0.029 min

Lab File: BM050071.D

Acq: 01 May 2025 19:20

Instrument :

BNA_M

ClientSampleId :

SS-2

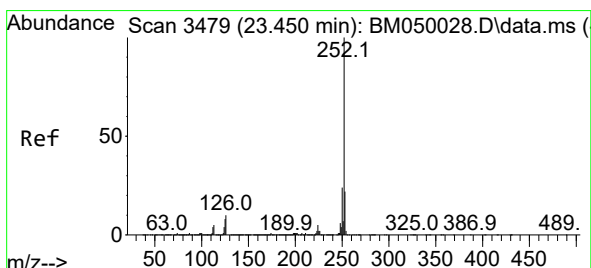
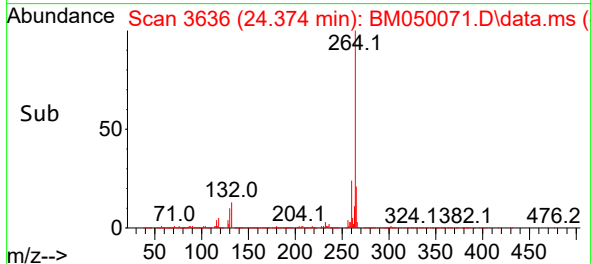
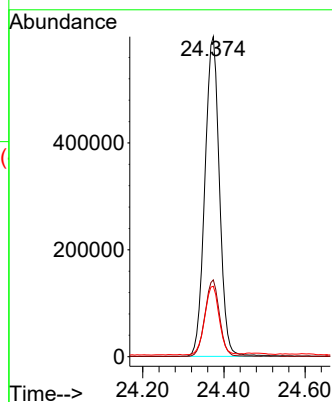
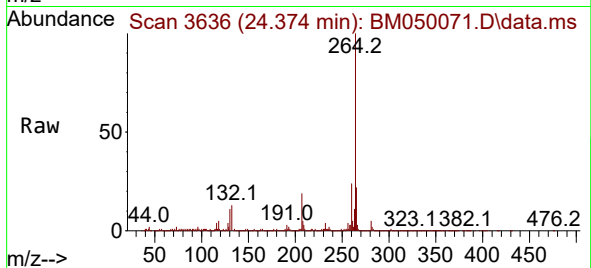
Tgt Ion:264 Resp: 1491423

Ion Ratio Lower Upper

264 100

260 24.0 18.8 28.2

265 22.0 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 3.770 ng

RT: 23.433 min Scan# 3476

Delta R.T. -0.018 min

Lab File: BM050071.D

Acq: 01 May 2025 19:20

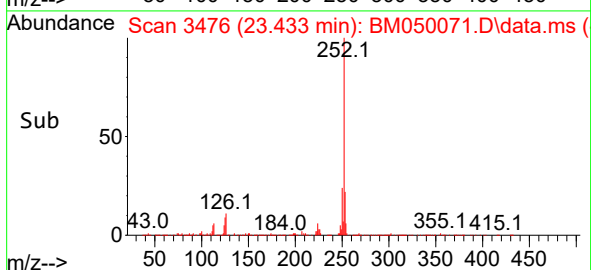
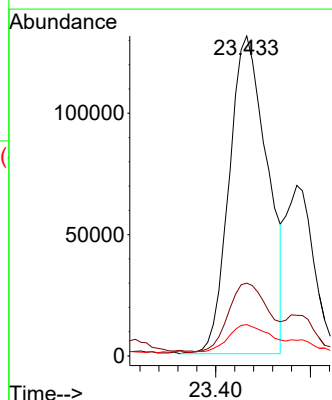
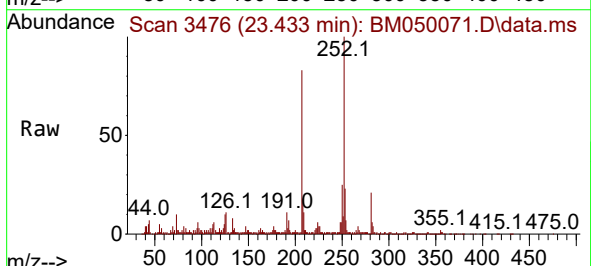
Tgt Ion:252 Resp: 365702

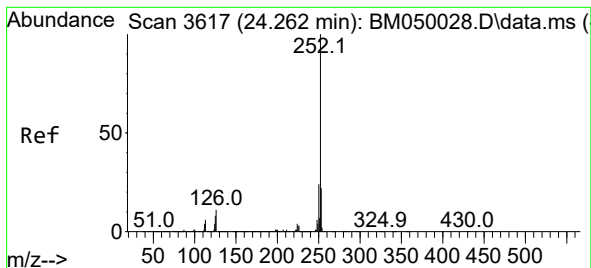
Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

125 9.8 6.1 9.1#





#90

Benzo(a)pyrene

Concen: 3.025 ng

RT: 24.227 min Scan# 3

Delta R.T. -0.035 min

Lab File: BM050071.D

Acq: 01 May 2025 19:20

Instrument :

BNA_M

ClientSampleId :

SS-2

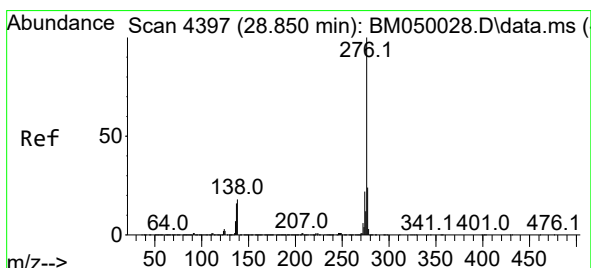
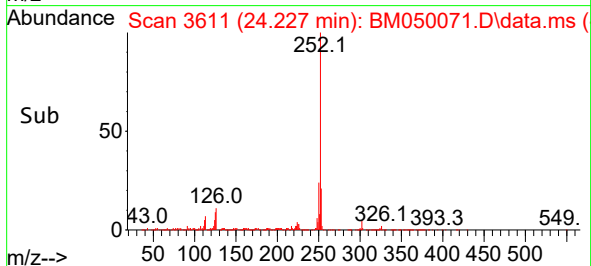
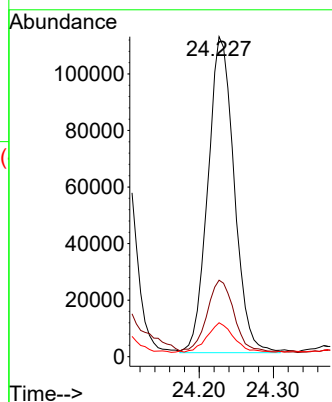
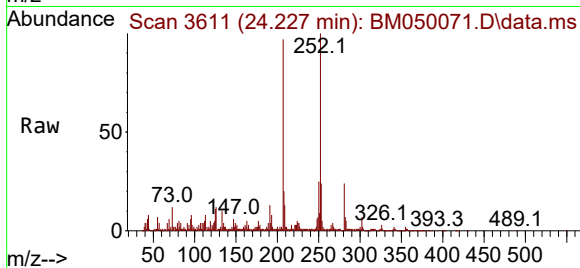
Tgt Ion:252 Resp: 274759

Ion Ratio Lower Upper

252 100

253 23.9 17.4 26.0

125 10.6 6.6 9.8#



#92

Benzo(g,h,i)perylene

Concen: 2.439 ng

RT: 28.803 min Scan# 4389

Delta R.T. -0.047 min

Lab File: BM050071.D

Acq: 01 May 2025 19:20

Tgt Ion:276 Resp: 211557

Ion Ratio Lower Upper

276 100

277 24.5 19.1 28.7

138 18.7 14.3 21.5

