

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
 Data File : BM050086.D
 Acq On : 02 May 2025 15:19
 Operator : RC/JU
 Sample : Q1914-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SS-5

Quant Time: May 02 15:54:16 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

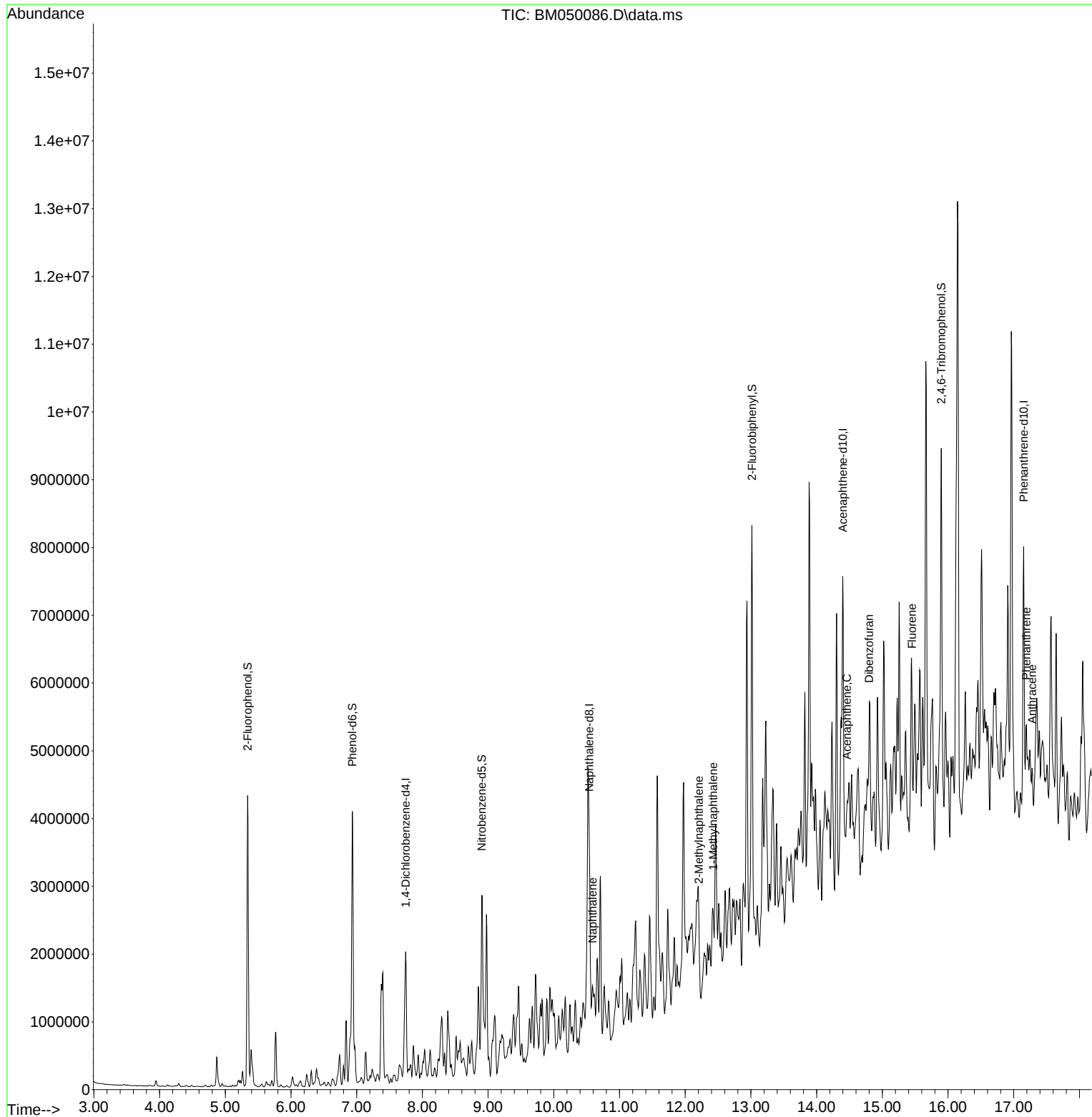
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	523204	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	1764557	20.000	ng	#-0.02
39) Acenaphthene-d10	14.398	164	1065844	20.000	ng	-0.01
64) Phenanthrene-d10	17.151	188	2046894	20.000	ng	0.00
76) Chrysene-d12	21.386	240	1456580	20.000	ng	-0.01
86) Perylene-d12	24.374	264	1531120	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1988784	66.561	ng	-0.02
7) Phenol-d6	6.934	99	2560014	68.169	ng	-0.02
23) Nitrobenzene-d5	8.904	82	1518472	42.404	ng	-0.02
42) 2,4,6-Tribromophenol	15.898	330	1248079	79.193	ng	0.00
45) 2-Fluorobiphenyl	13.016	172	3680421	40.849	ng	-0.02
79) Terphenyl-d14	19.774	244	4589824	46.628	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.592	128	180671	2.022	ng	# 82
37) 2-Methylnaphthalene	12.210	142	273638	4.567	ng	97
38) 1-Methylnaphthalene	12.427	142	185798	2.930	ng	# 97
52) Acenaphthene	14.463	154	182524	3.187	ng	96
55) Dibenzofuran	14.798	168	233844	2.454	ng	# 69
58) Fluorene	15.451	166	546420	7.006	ng	# 87
71) Phenanthrene	17.192	178	635549	5.505	ng	# 90
72) Anthracene	17.280	178	289565	2.478	ng	# 85
75) Fluoranthene	19.209	202	1153331	8.509	ng	98
78) Pyrene	19.568	202	1220908	11.936	ng	99
81) Benzo(a)anthracene	21.368	228	305972	3.050	ng	96
83) Chrysene	21.427	228	298985	3.221	ng	97
84) Bis(2-ethylhexyl)phtha...	21.286	149	298623	5.219	ng	100
88) Benzo(b)fluoranthene	23.433	252	400750	4.025	ng	97
90) Benzo(a)pyrene	24.233	252	291970	3.131	ng	98
92) Benzo(g,h,i)perylene	28.803	276	198766	2.232	ng	98

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

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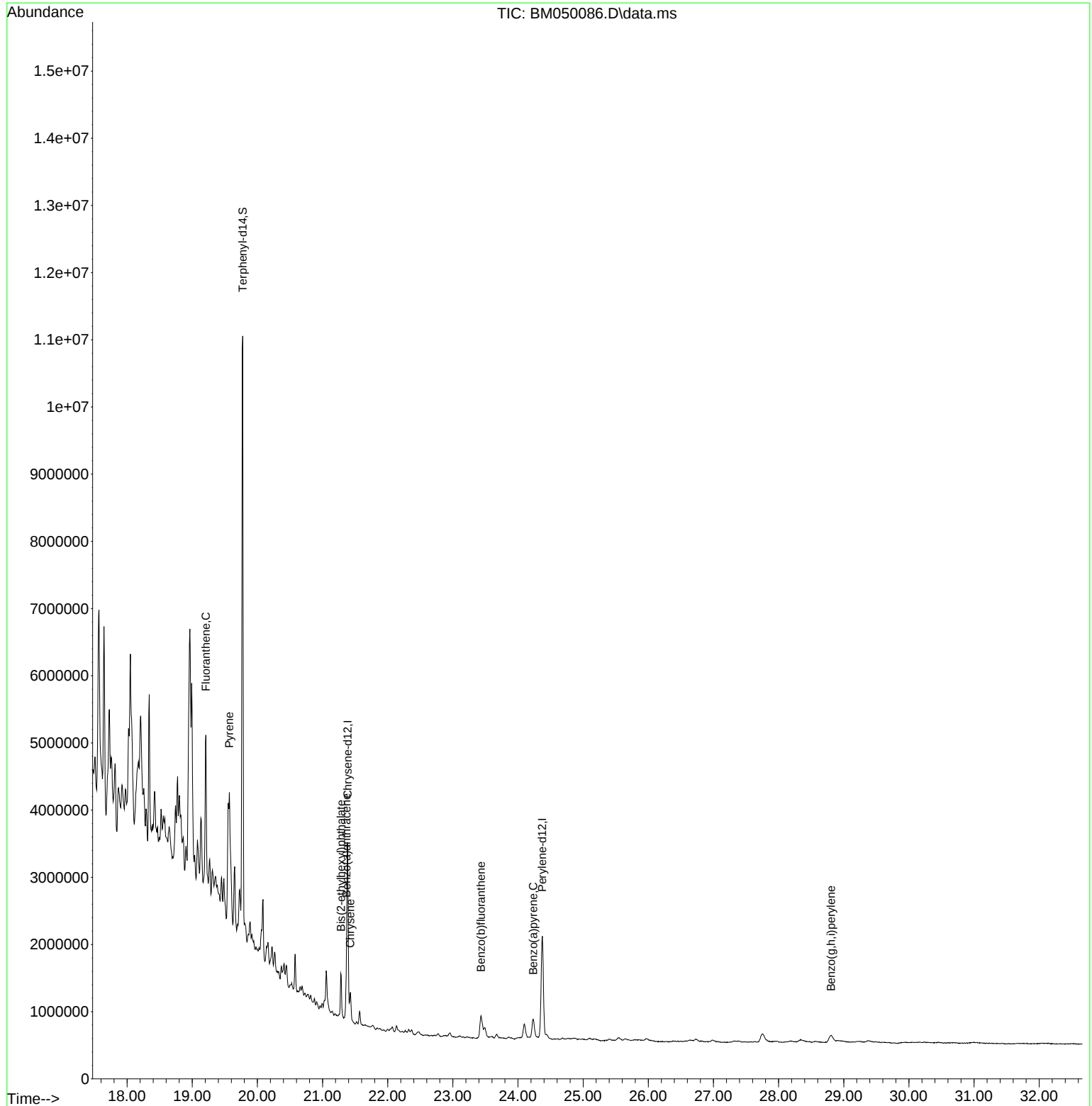
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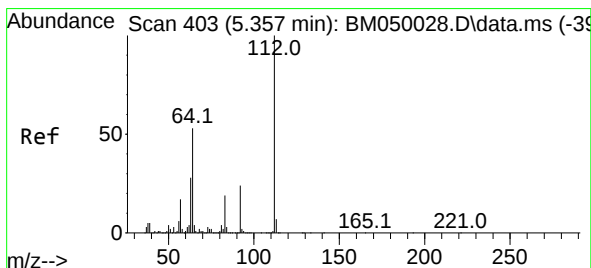
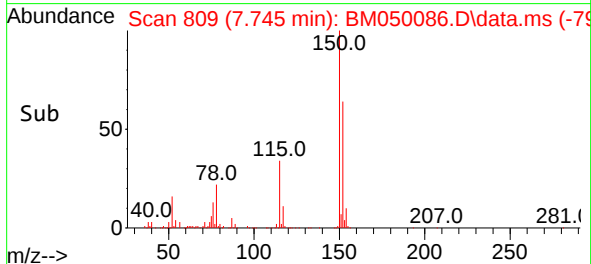
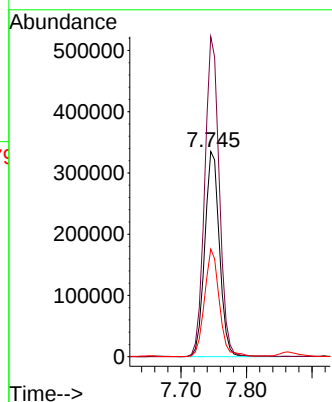
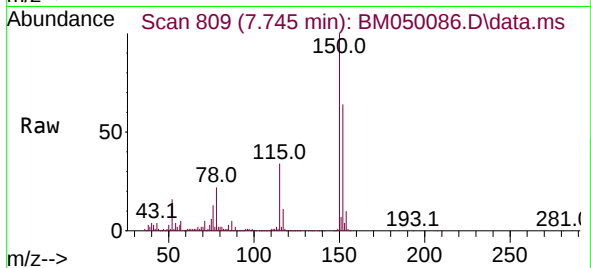




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 80
Delta R.T. -0.024 min
Lab File: BM050086.D
Acq: 02 May 2025 15:19

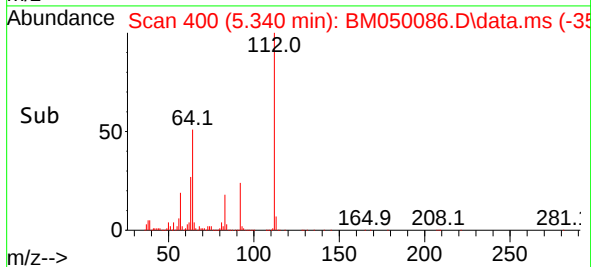
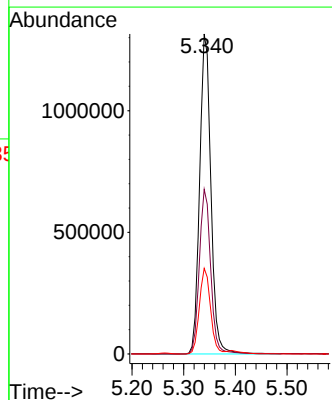
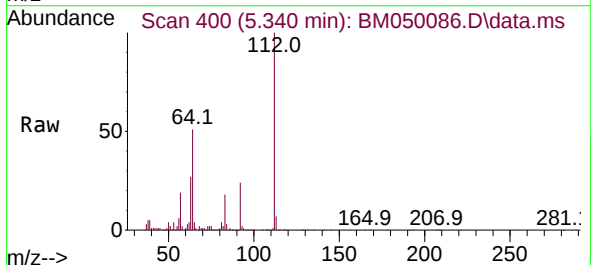
Instrument :
BNA_M
ClientSampleId :
SS-5

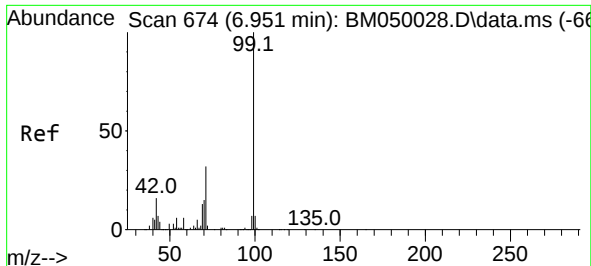
Tgt Ion:152 Resp: 523204
Ion Ratio Lower Upper
152 100
150 156.0 124.1 186.1
115 52.4 41.2 61.8



#5
2-Fluorophenol
Concen: 66.561 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050086.D
Acq: 02 May 2025 15:19

Tgt Ion:112 Resp: 1988784
Ion Ratio Lower Upper
112 100
64 51.5 42.6 64.0
63 26.8 22.2 33.4

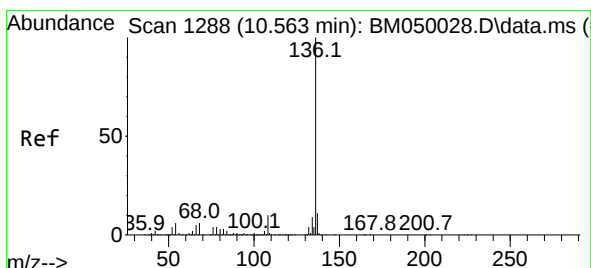
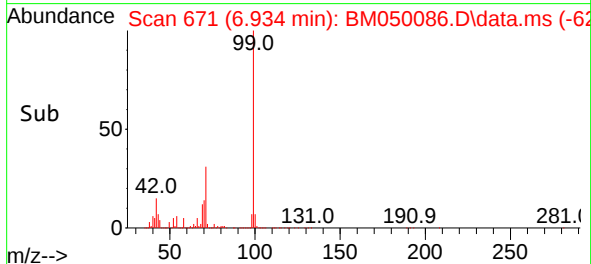
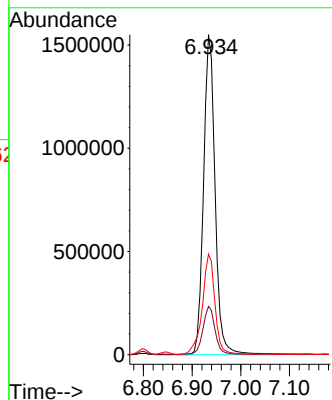
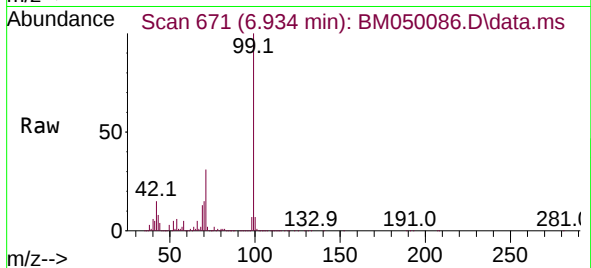




#7
Phenol-d6
Concen: 68.169 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050086.D
Acq: 02 May 2025 15:19

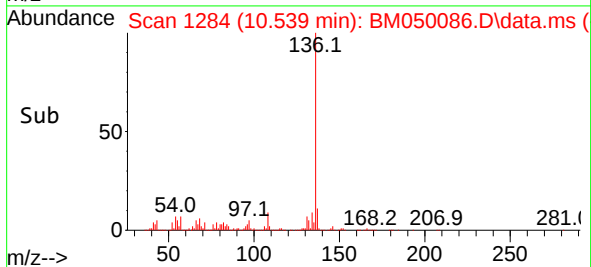
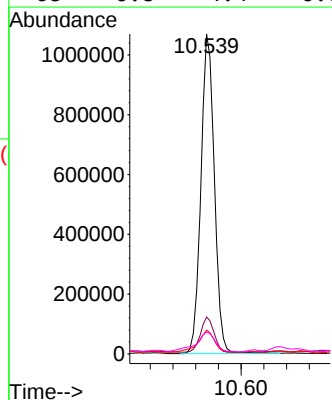
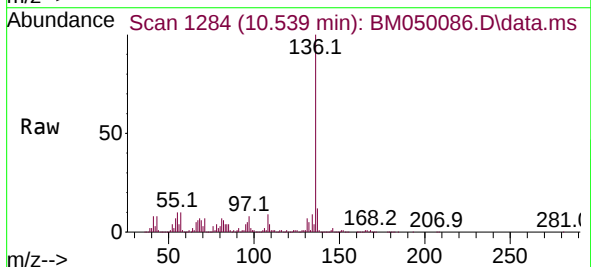
Instrument :
BNA_M
ClientSampleId :
SS-5

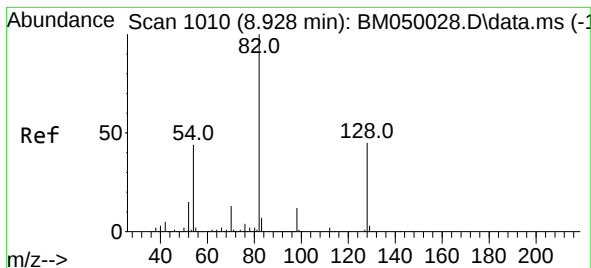
Tgt Ion: 99 Resp: 2560014
Ion Ratio Lower Upper
99 100
42 15.1 13.0 19.4
71 31.4 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BM050086.D
Acq: 02 May 2025 15:19

Tgt Ion: 136 Resp: 1764557
Ion Ratio Lower Upper
136 100
137 11.6 8.9 13.3
54 7.4 5.1 7.7
68 6.8 4.4 6.6#





#23

Nitrobenzene-d5

Concen: 42.404 ng

RT: 8.904 min Scan# 1

Delta R.T. -0.024 min

Lab File: BM050086.D

Acq: 02 May 2025 15:19

Instrument :

BNA_M

ClientSampleId :

SS-5

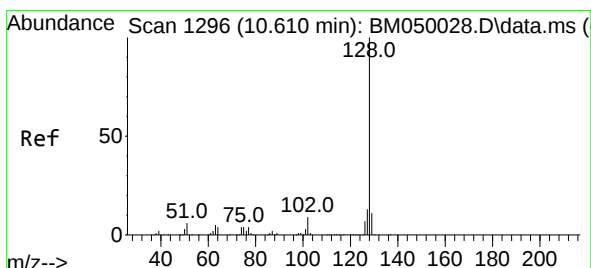
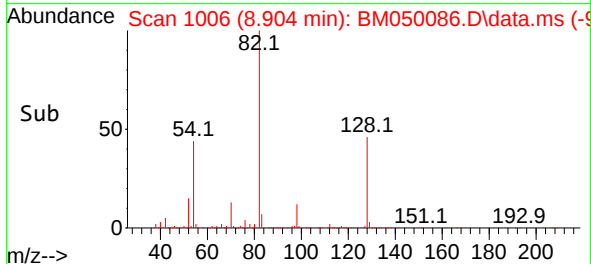
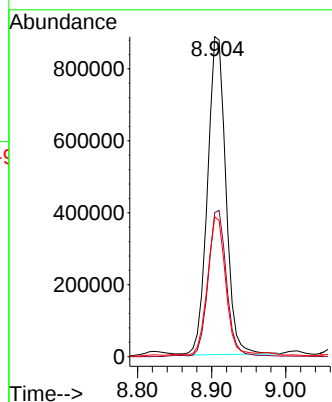
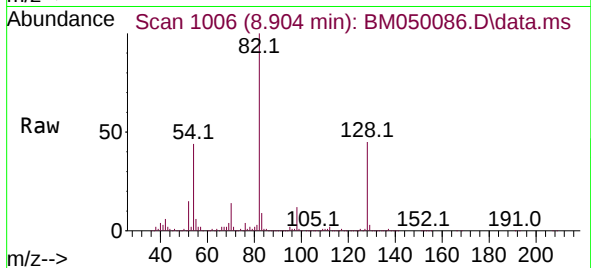
Tgt Ion: 82 Resp: 1518472

Ion Ratio Lower Upper

82 100

128 45.1 35.7 53.5

54 43.7 35.4 53.2



#31

Naphthalene

Concen: 2.022 ng

RT: 10.592 min Scan# 1293

Delta R.T. -0.018 min

Lab File: BM050086.D

Acq: 02 May 2025 15:19

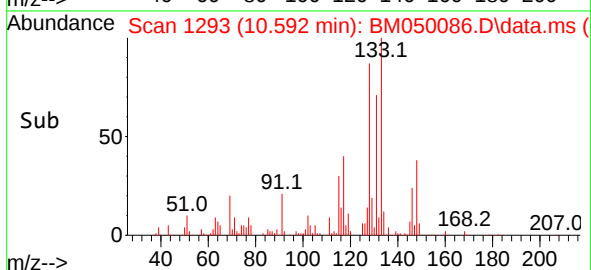
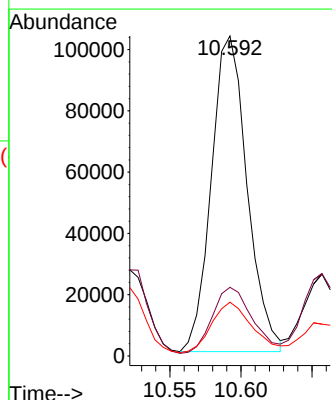
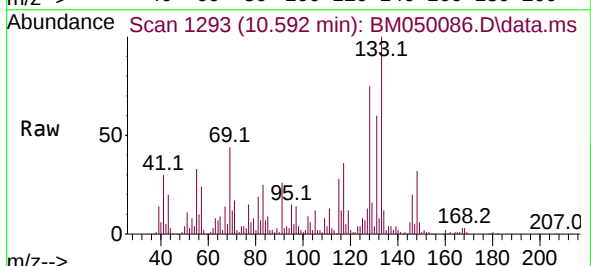
Tgt Ion:128 Resp: 180671

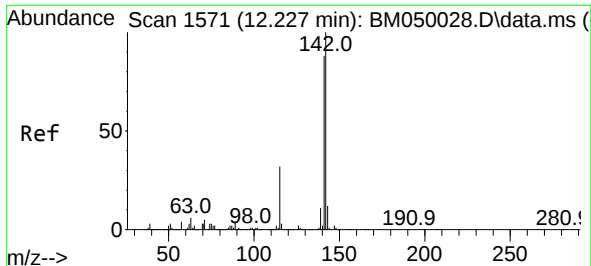
Ion Ratio Lower Upper

128 100

129 21.4 8.8 13.2#

127 16.8 10.4 15.6#

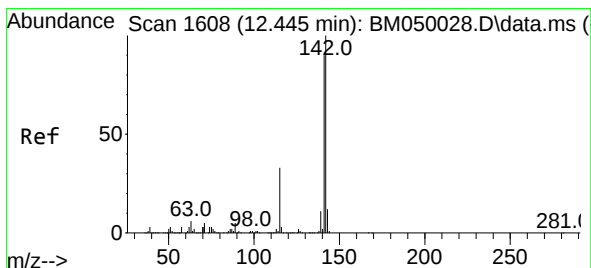
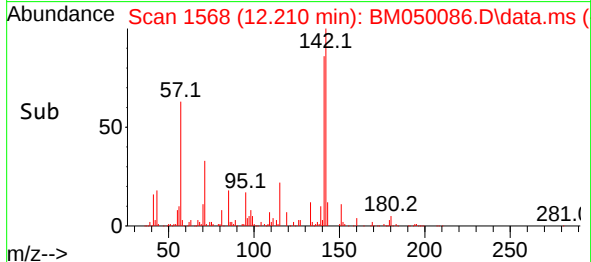
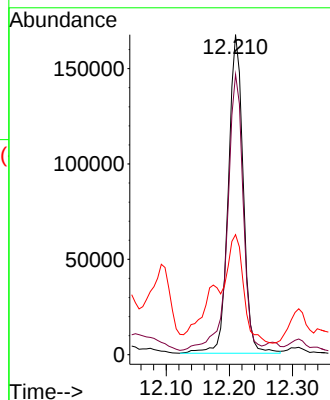
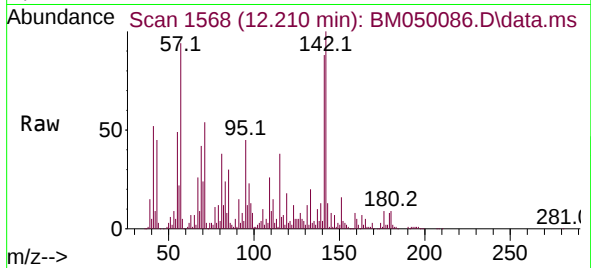




#37
2-Methylnaphthalene
Concen: 4.567 ng
RT: 12.210 min Scan# 1568
Delta R.T. -0.018 min
Lab File: BM050086.D
Acq: 02 May 2025 15:19

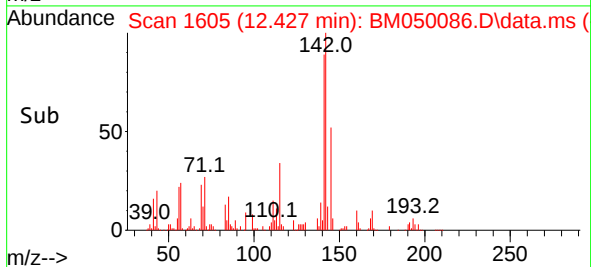
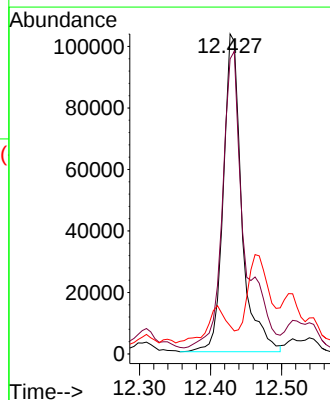
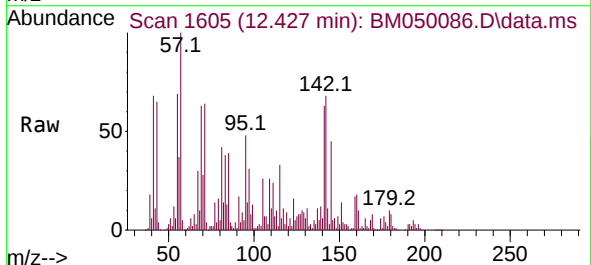
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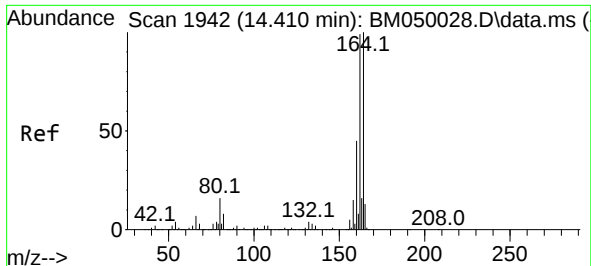
Tgt Ion:142 Resp: 273638
Ion Ratio Lower Upper
142 100
141 87.6 70.4 105.6
115 37.5 25.4 38.2



#38
1-Methylnaphthalene
Concen: 2.930 ng
RT: 12.427 min Scan# 1605
Delta R.T. -0.018 min
Lab File: BM050086.D
Acq: 02 May 2025 15:19

Tgt Ion:142 Resp: 185798
Ion Ratio Lower Upper
142 100
141 92.2 72.1 108.1
116 8.8 2.7 4.1#

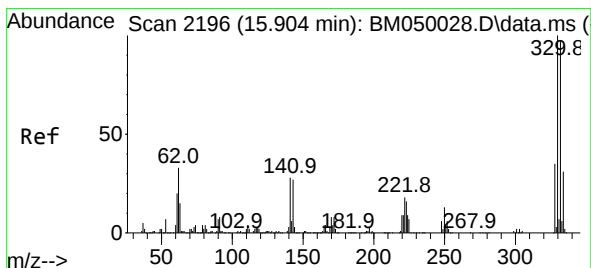
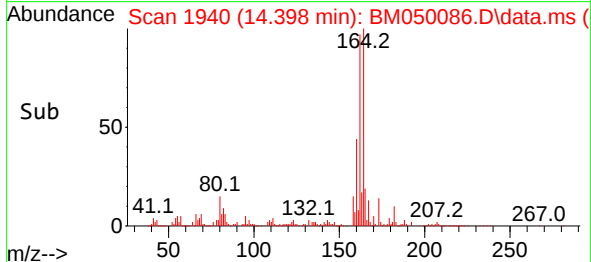
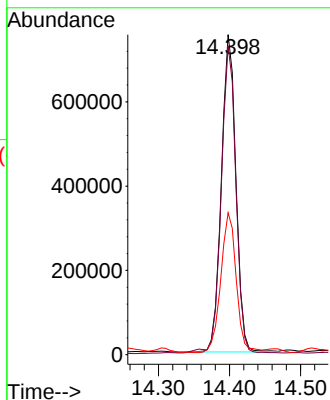
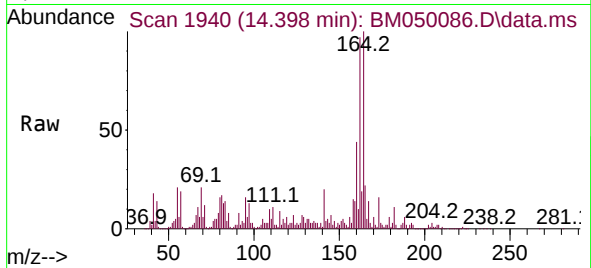




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.398 min Scan# 1940
Delta R.T. -0.012 min
Lab File: BM050086.D
Acq: 02 May 2025 15:19

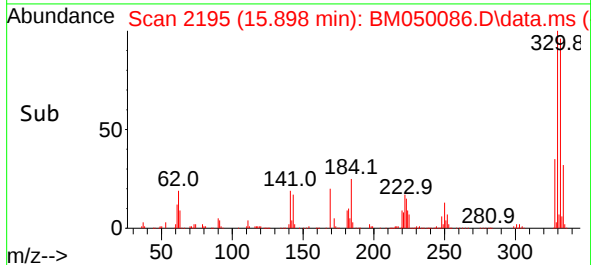
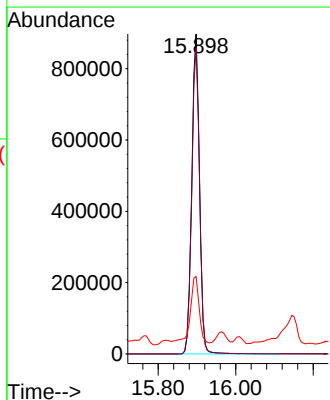
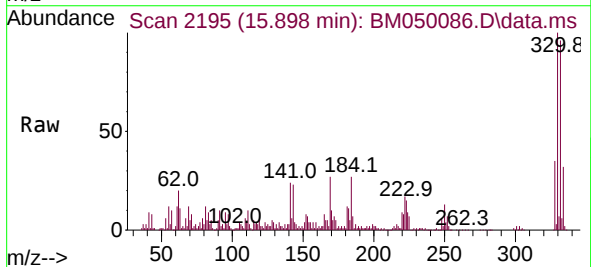
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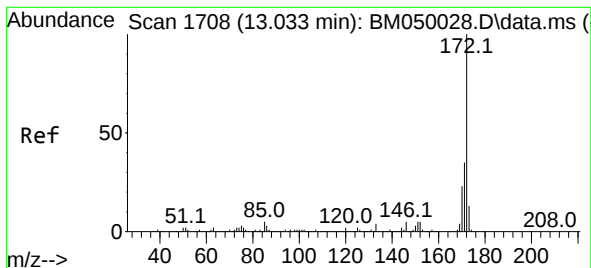
Tgt Ion:164 Resp: 1065844
Ion Ratio Lower Upper
164 100
162 96.5 79.4 119.0
160 44.3 36.2 54.4



#42
2,4,6-Tribromophenol
Concen: 79.193 ng
RT: 15.898 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BM050086.D
Acq: 02 May 2025 15:19

Tgt Ion:330 Resp: 1248079
Ion Ratio Lower Upper
330 100
332 96.0 77.3 115.9
141 23.1 22.5 33.7





#45

2-Fluorobiphenyl

Concen: 40.849 ng

RT: 13.016 min Scan# 1

Delta R.T. -0.018 min

Lab File: BM050086.D

Acq: 02 May 2025 15:19

Instrument :

BNA_M

ClientSampleId :

SS-5

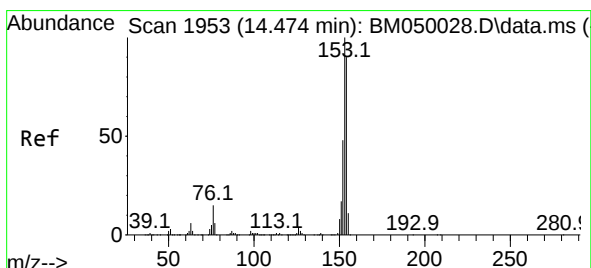
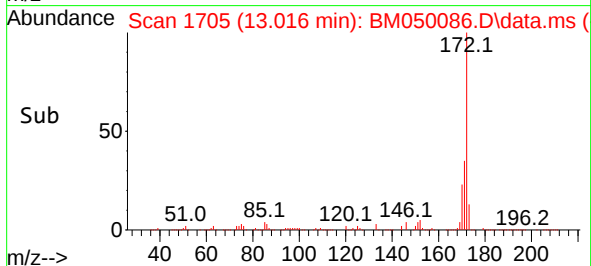
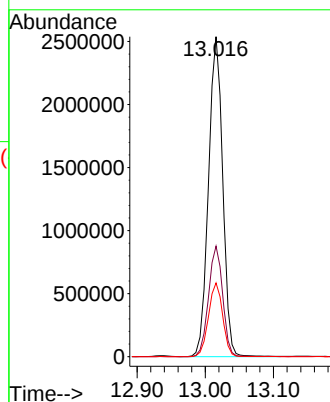
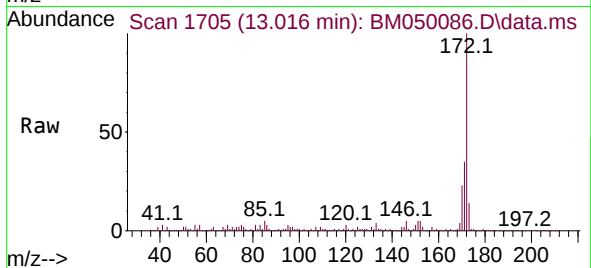
Tgt Ion:172 Resp: 3680421

Ion Ratio Lower Upper

172 100

171 34.6 27.8 41.6

170 23.1 18.6 28.0



#52

Acenaphthene

Concen: 3.187 ng

RT: 14.463 min Scan# 1951

Delta R.T. -0.012 min

Lab File: BM050086.D

Acq: 02 May 2025 15:19

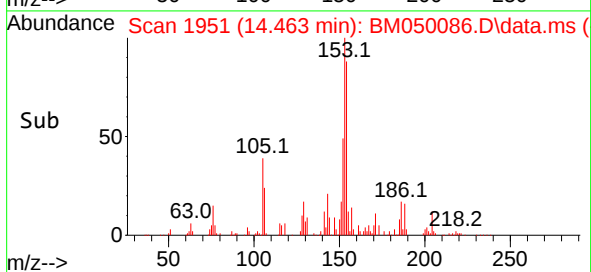
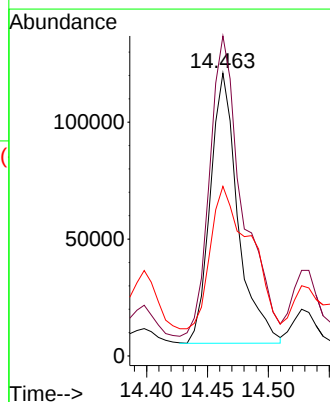
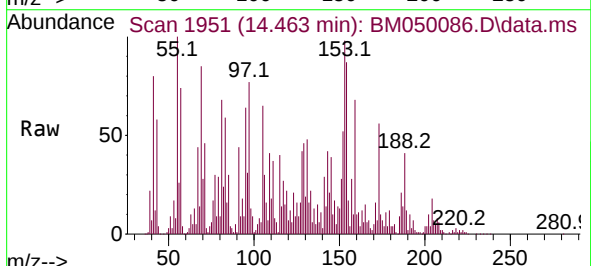
Tgt Ion:154 Resp: 182524

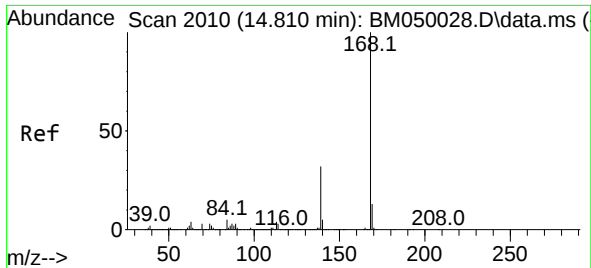
Ion Ratio Lower Upper

154 100

153 113.2 89.0 133.4

152 60.0 43.0 64.6

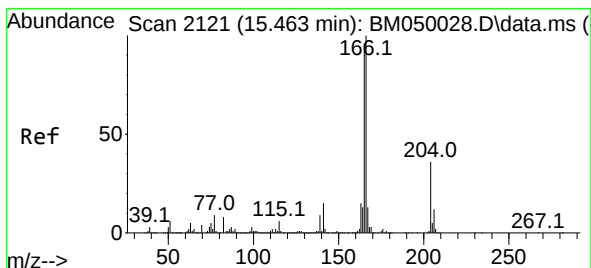
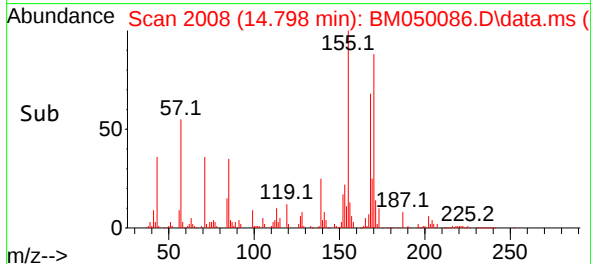
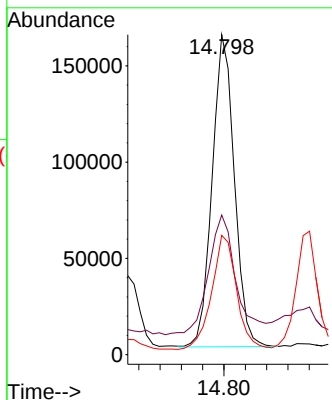
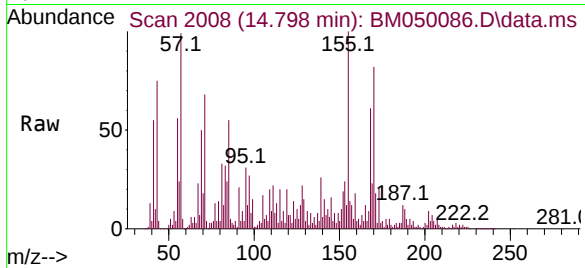




#55
 Dibenzenofuran
 Concen: 2.454 ng
 RT: 14.798 min Scan# 2010
 Delta R.T. -0.012 min
 Lab File: BM050086.D
 Acq: 02 May 2025 15:19

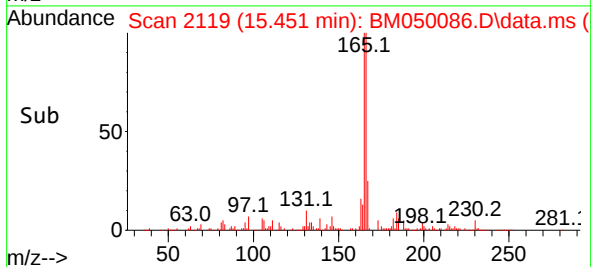
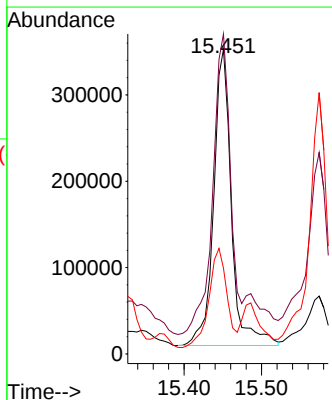
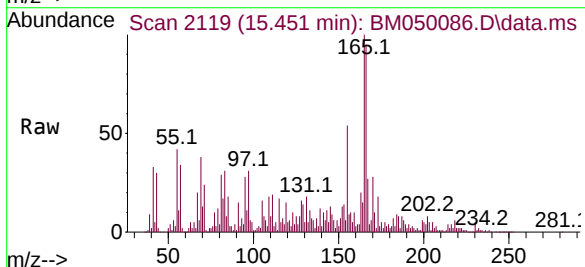
Instrument :
 BNA_M
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 SS-5

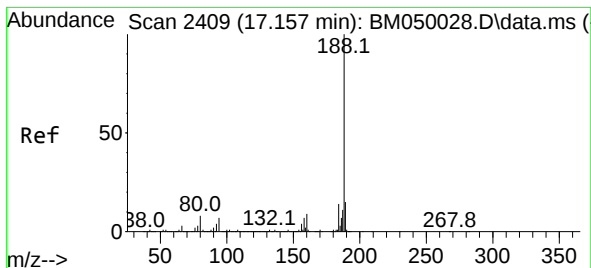
Tgt Ion:168 Resp: 233844
 Ion Ratio Lower Upper
 168 100
 139 43.6 26.1 39.1#
 169 37.3 10.8 16.2#



#58
 Fluorene
 Concen: 7.006 ng
 RT: 15.451 min Scan# 2119
 Delta R.T. -0.012 min
 Lab File: BM050086.D
 Acq: 02 May 2025 15:19

Tgt Ion:166 Resp: 546420
 Ion Ratio Lower Upper
 166 100
 165 105.0 76.6 115.0
 167 28.1 10.6 16.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.151 min Scan# 2409

Delta R.T. -0.006 min

Lab File: BM050086.D

Acq: 02 May 2025 15:19

Instrument :

BNA_M

ClientSampleId :

SS-5

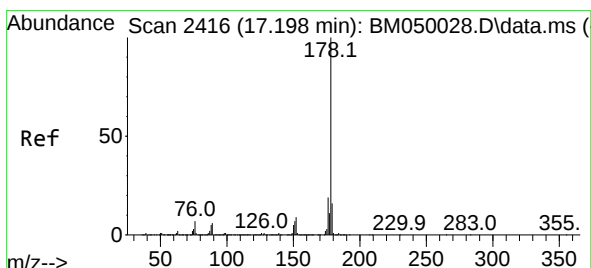
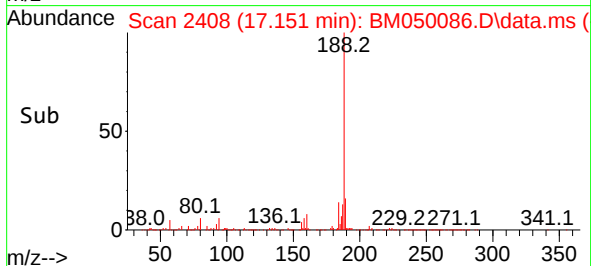
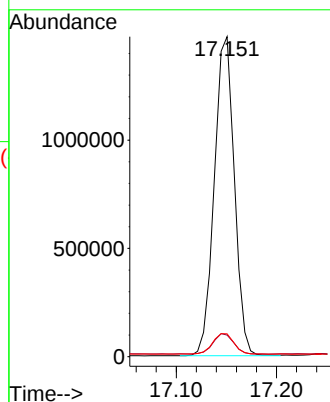
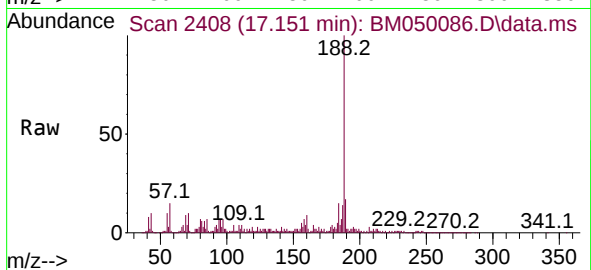
Tgt Ion:188 Resp: 2046894

Ion Ratio Lower Upper

188 100

94 6.8 5.7 8.5

80 7.2 6.2 9.4



#71

Phenanthrene

Concen: 5.505 ng

RT: 17.192 min Scan# 2415

Delta R.T. -0.006 min

Lab File: BM050086.D

Acq: 02 May 2025 15:19

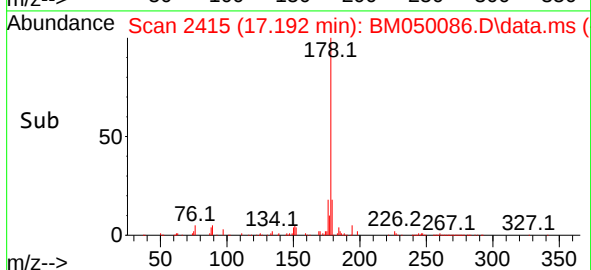
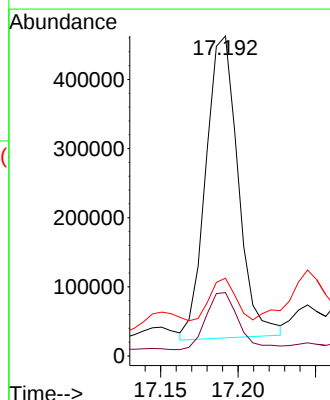
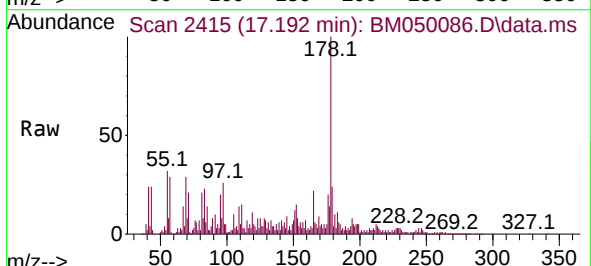
Tgt Ion:178 Resp: 635549

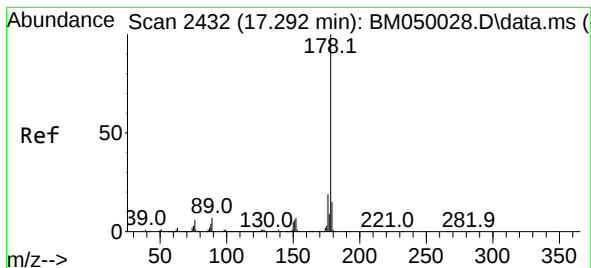
Ion Ratio Lower Upper

178 100

176 19.8 15.3 22.9

179 24.3 12.4 18.6#





#72

Anthracene

Concen: 2.478 ng

RT: 17.280 min Scan# 2432

Delta R.T. -0.012 min

Lab File: BM050086.D

Acq: 02 May 2025 15:19

Instrument :

BNA_M

ClientSampleId :

SS-5

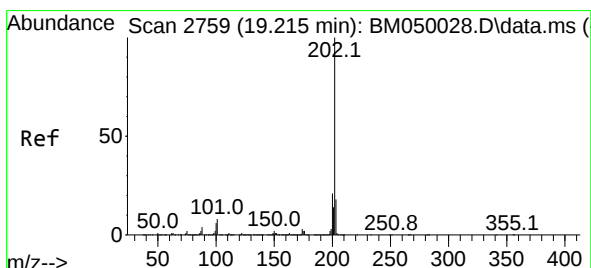
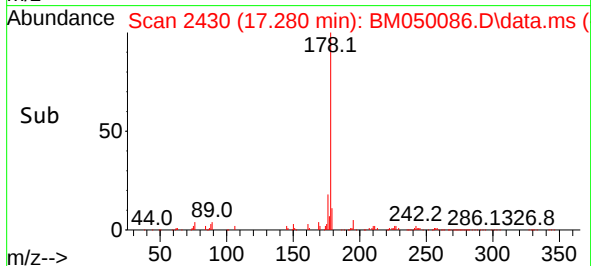
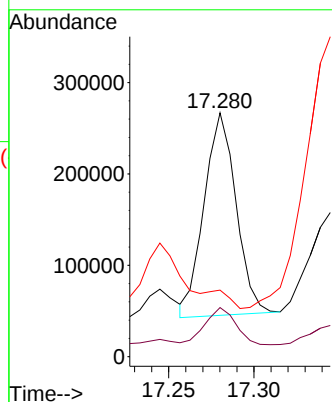
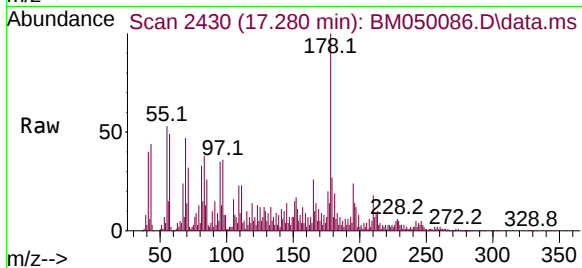
Tgt Ion:178 Resp: 289565

Ion Ratio Lower Upper

178 100

176 20.2 15.0 22.4

179 27.3 12.2 18.4#



#75

Fluoranthene

Concen: 8.509 ng

RT: 19.209 min Scan# 2758

Delta R.T. -0.006 min

Lab File: BM050086.D

Acq: 02 May 2025 15:19

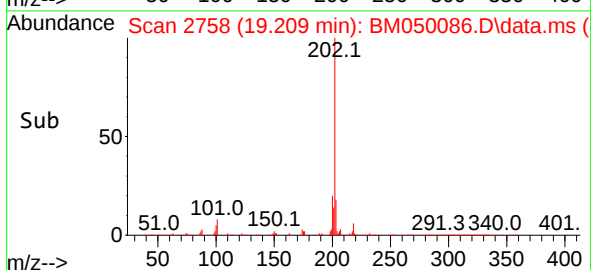
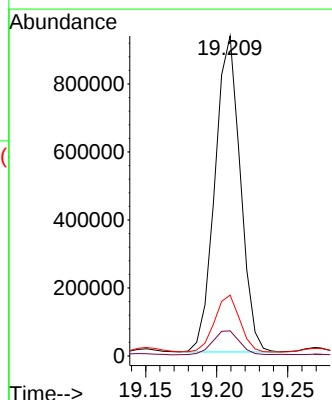
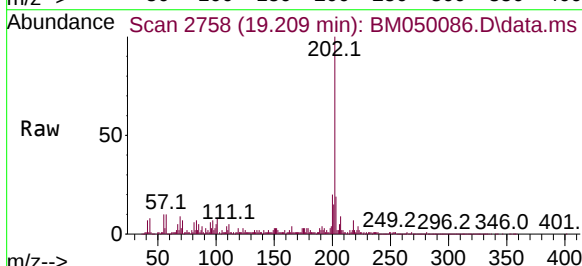
Tgt Ion:202 Resp: 1153331

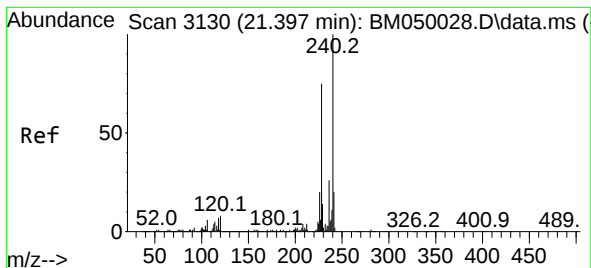
Ion Ratio Lower Upper

202 100

101 7.9 0.0 28.0

203 19.0 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.386 min Scan# 31

Delta R.T. -0.011 min

Lab File: BM050086.D

Acq: 02 May 2025 15:19

Instrument :

BNA_M

ClientSampleId :

SS-5

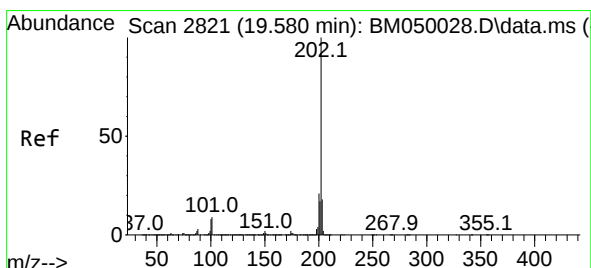
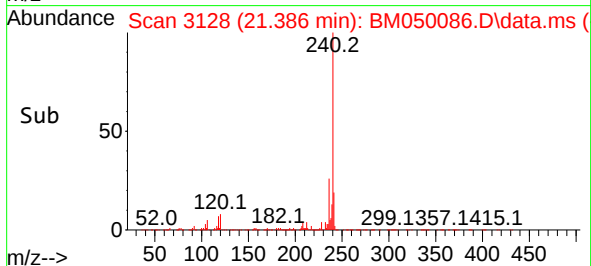
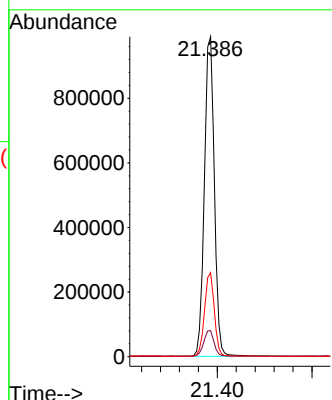
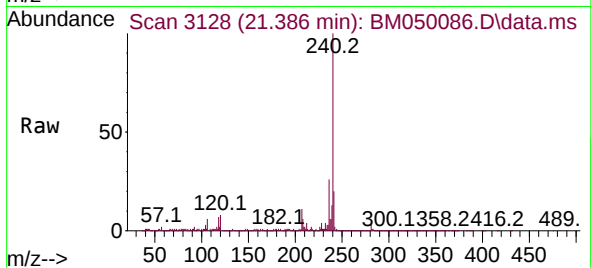
Tgt Ion:240 Resp: 1456580

Ion Ratio Lower Upper

240 100

120 8.1 6.5 9.7

236 26.3 20.9 31.3



#78

Pyrene

Concen: 11.936 ng

RT: 19.568 min Scan# 2819

Delta R.T. -0.012 min

Lab File: BM050086.D

Acq: 02 May 2025 15:19

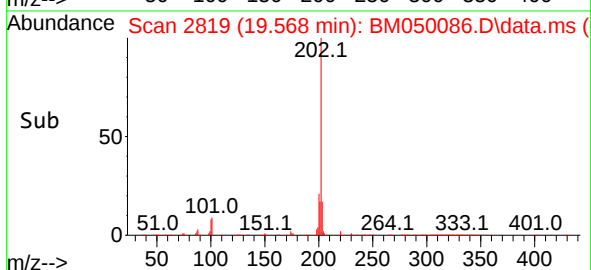
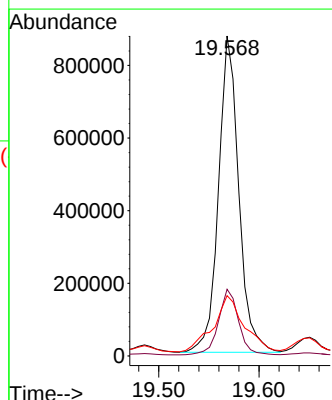
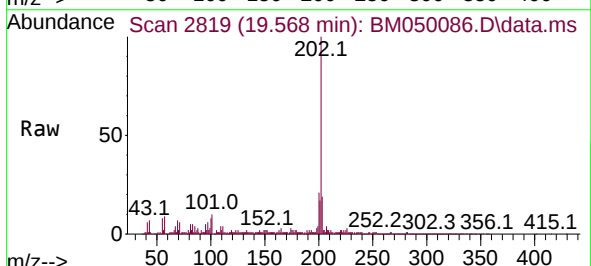
Tgt Ion:202 Resp: 1220908

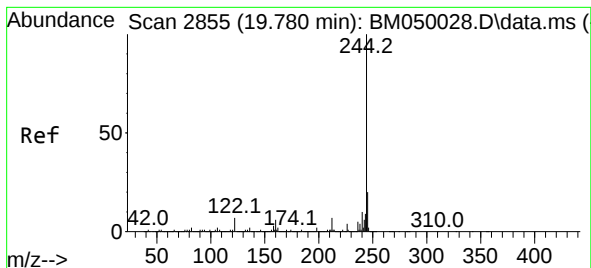
Ion Ratio Lower Upper

202 100

200 20.8 16.7 25.1

203 18.9 14.1 21.1





#79

Terphenyl-d14

Concen: 46.628 ng

RT: 19.774 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM050086.D

Acq: 02 May 2025 15:19

Instrument :

BNA_M

ClientSampleId :

SS-5

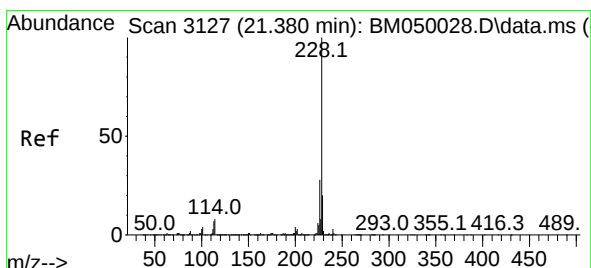
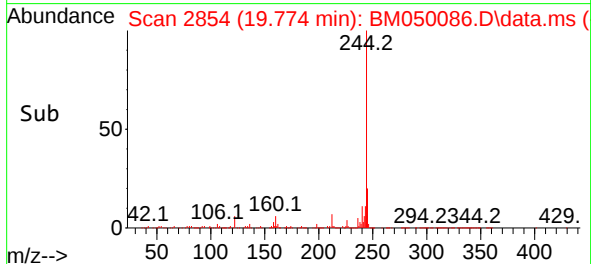
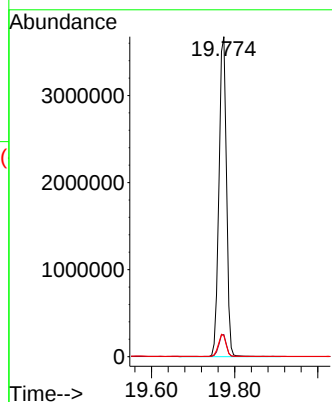
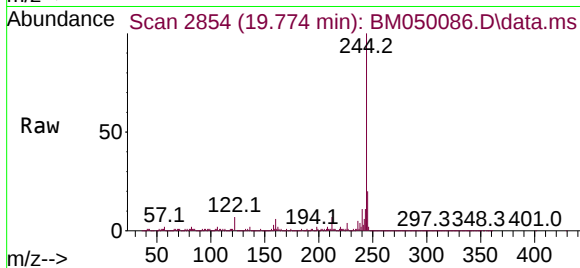
Tgt Ion:244 Resp: 4589824

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

122 6.5 5.6 8.4



#81

Benzo(a)anthracene

Concen: 3.050 ng

RT: 21.368 min Scan# 3125

Delta R.T. -0.012 min

Lab File: BM050086.D

Acq: 02 May 2025 15:19

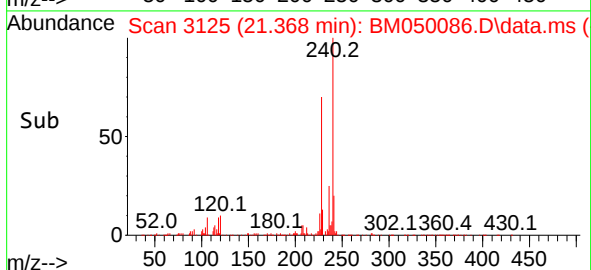
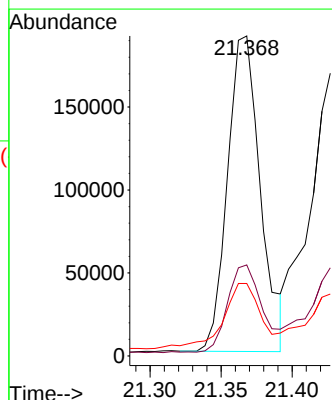
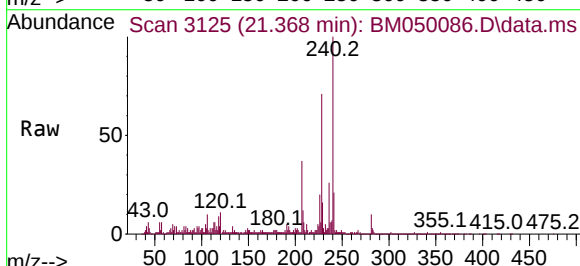
Tgt Ion:228 Resp: 305972

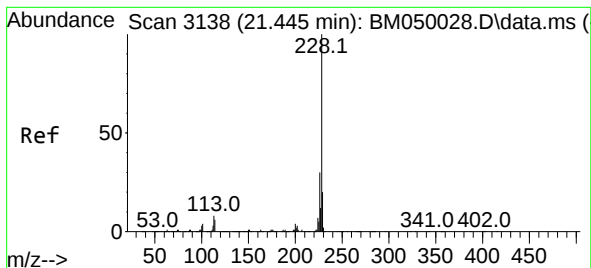
Ion Ratio Lower Upper

228 100

226 28.5 22.1 33.1

229 22.7 15.7 23.5





#83

Chrysene

Concen: 3.221 ng

RT: 21.427 min Scan# 3138

Delta R.T. -0.018 min

Lab File: BM050086.D

Acq: 02 May 2025 15:19

Instrument :

BNA_M

ClientSampleId :

SS-5

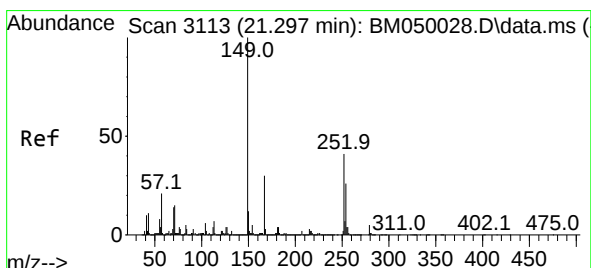
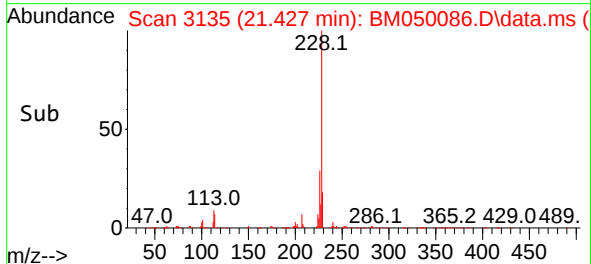
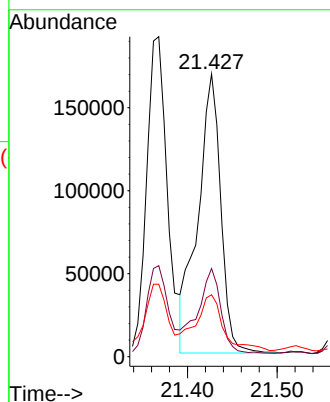
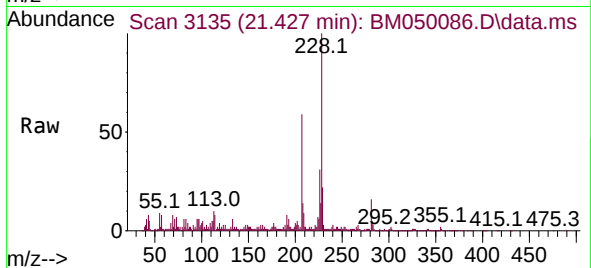
Tgt Ion:228 Resp: 298985

Ion Ratio Lower Upper

228 100

226 31.2 24.2 36.2

229 21.9 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.219 ng

RT: 21.286 min Scan# 3111

Delta R.T. -0.012 min

Lab File: BM050086.D

Acq: 02 May 2025 15:19

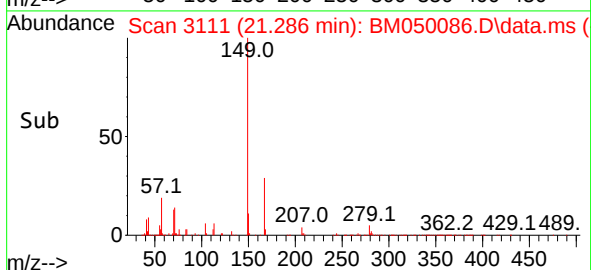
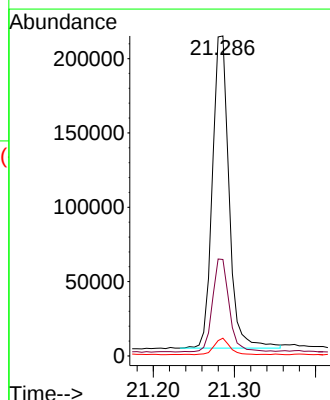
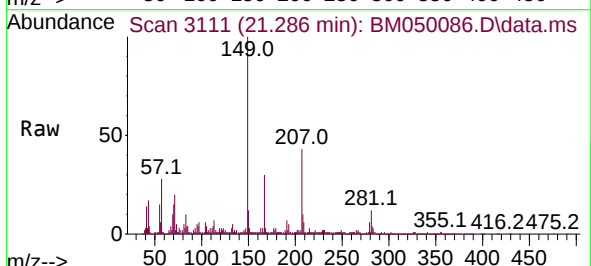
Tgt Ion:149 Resp: 298623

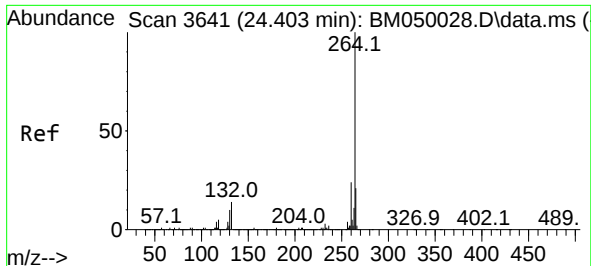
Ion Ratio Lower Upper

149 100

167 30.2 24.1 36.1

279 5.5 3.9 5.9

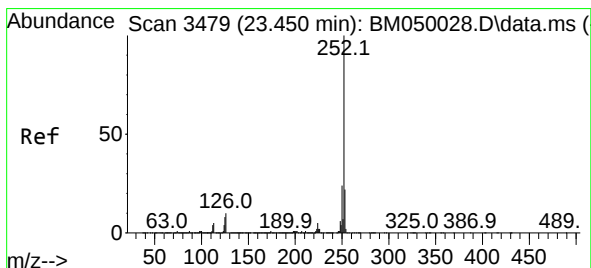
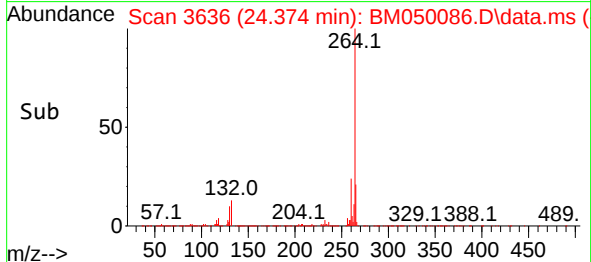
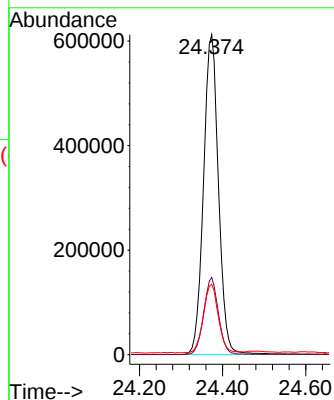
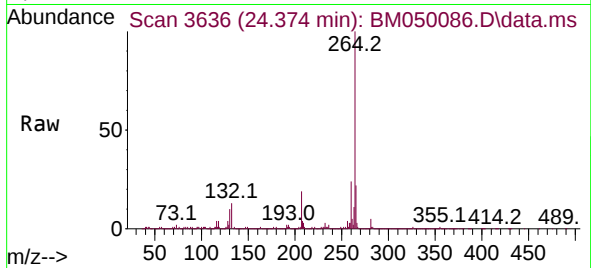




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.374 min Scan# 3
Delta R.T. -0.029 min
Lab File: BM050086.D
Acq: 02 May 2025 15:19

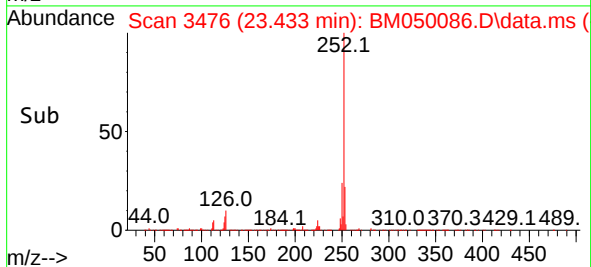
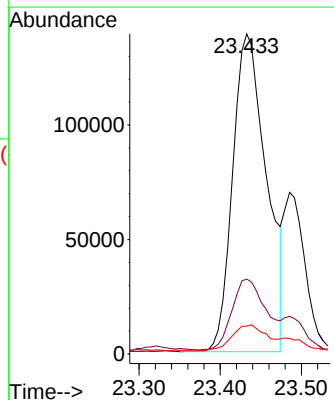
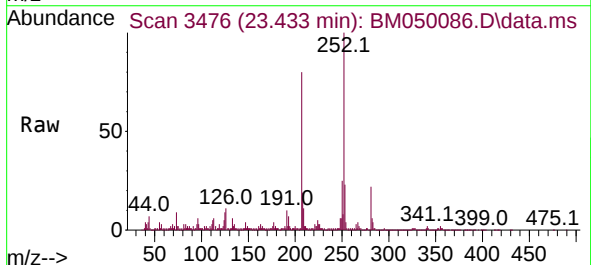
Instrument :
BNA_M
ClientSampleId :
SS-5

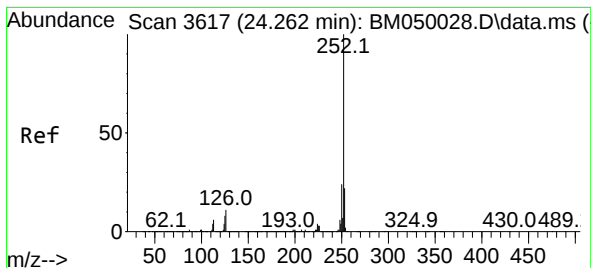
Tgt Ion:264 Resp: 1531120
Ion Ratio Lower Upper
264 100
260 24.1 18.8 28.2
265 22.0 17.0 25.4



#88
Benzo(b)fluoranthene
Concen: 4.025 ng
RT: 23.433 min Scan# 3476
Delta R.T. -0.018 min
Lab File: BM050086.D
Acq: 02 May 2025 15:19

Tgt Ion:252 Resp: 400750
Ion Ratio Lower Upper
252 100
253 23.4 17.7 26.5
125 8.7 6.1 9.1





#90

Benzo(a)pyrene

Concen: 3.131 ng

RT: 24.233 min Scan# 3

Delta R.T. -0.029 min

Lab File: BM050086.D

Acq: 02 May 2025 15:19

Instrument :

BNA_M

ClientSampleId :

SS-5

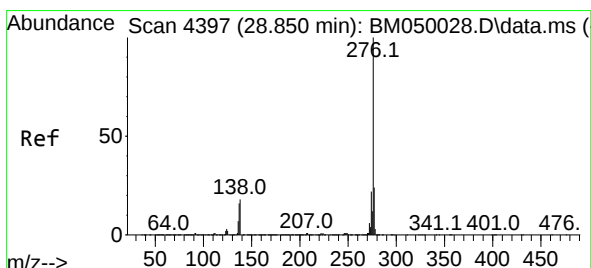
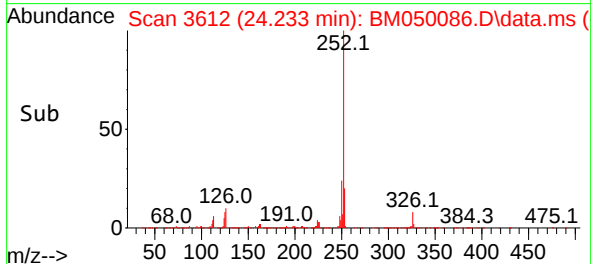
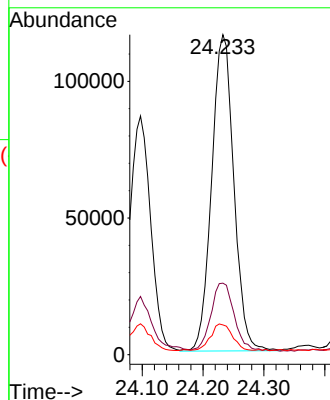
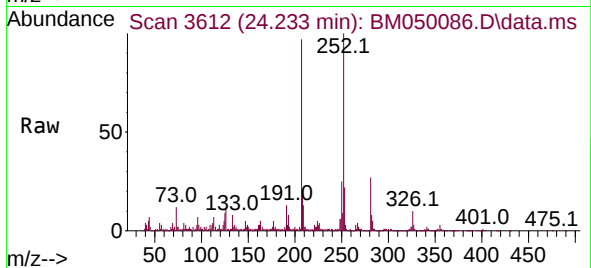
Tgt Ion:252 Resp: 291970

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

125 9.3 6.6 9.8



#92

Benzo(g,h,i)perylene

Concen: 2.232 ng

RT: 28.803 min Scan# 4389

Delta R.T. -0.047 min

Lab File: BM050086.D

Acq: 02 May 2025 15:19

Tgt Ion:276 Resp: 198766

Ion Ratio Lower Upper

276 100

277 25.0 19.1 28.7

138 17.6 14.3 21.5

