

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041525\
 Data File : BM049939.D
 Acq On : 15 Apr 2025 17:52
 Operator : RC/JU
 Sample : Q1806-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OR-03-041425

Quant Time: Apr 15 18:31:28 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)

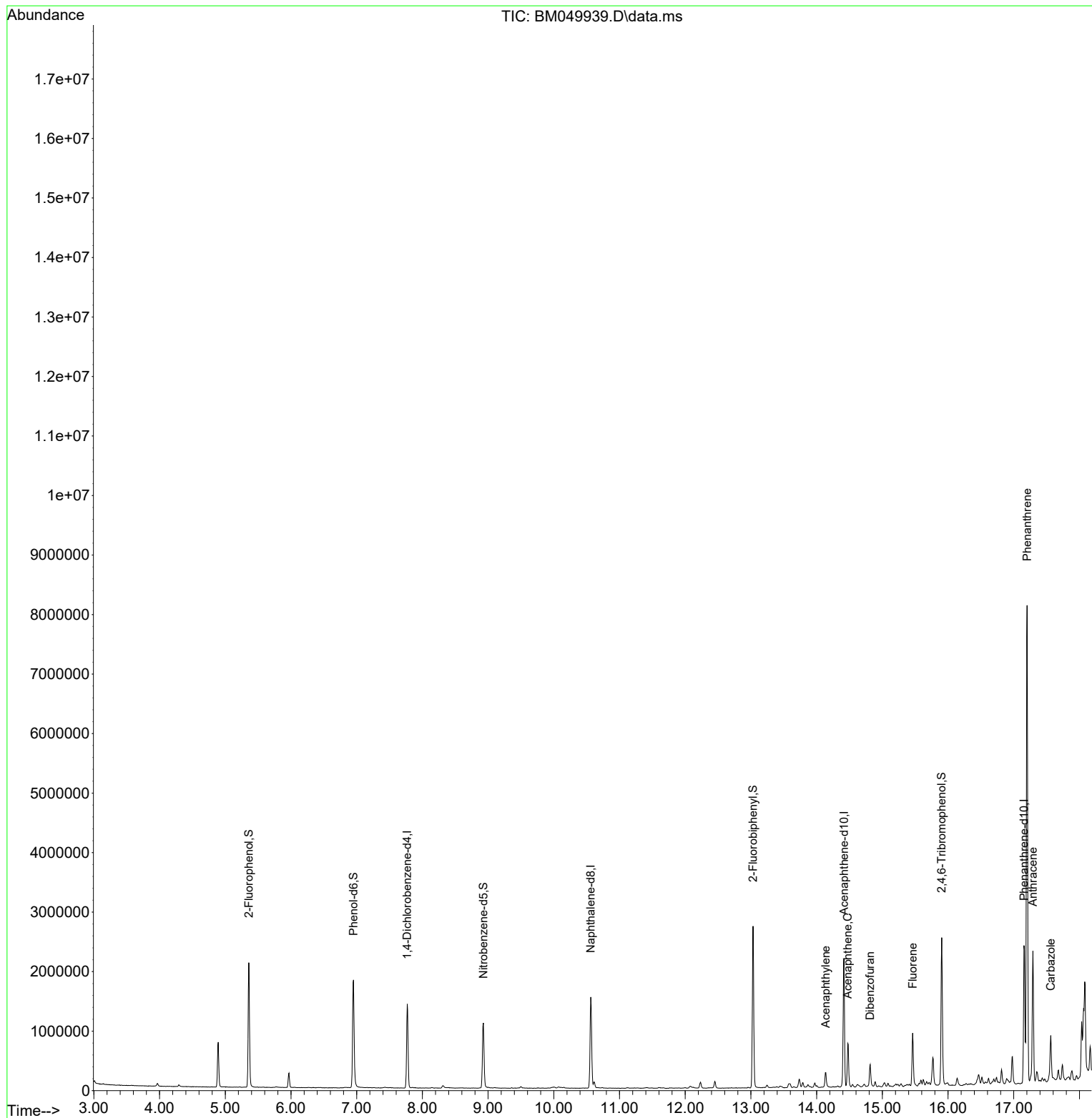
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	413502	20.000	ng	-0.01
21) Naphthalene-d8	10.563	136	1320547	20.000	ng	-0.01
39) Acenaphthene-d10	14.416	164	779378	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1440696	20.000	ng	0.00
76) Chrysene-d12	21.398	240	1473077	20.000	ng	0.00
86) Perylene-d12	24.403	264	1638586	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	946512	38.869	ng	0.00
7) Phenol-d6	6.951	99	1150459	37.972	ng	0.00
23) Nitrobenzene-d5	8.928	82	672949	28.377	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	479067	42.259	ng	0.00
45) 2-Fluorobiphenyl	13.033	172	1482849	25.800	ng	-0.01
79) Terphenyl-d14	19.786	244	1700638	21.636	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.139	152	196377	2.961	ng	98
52) Acenaphthene	14.474	154	272529	6.459	ng	99
55) Dibenzofuran	14.816	168	228352	3.237	ng	97
58) Fluorene	15.463	166	407937	7.276	ng	98
71) Phenanthrene	17.204	178	4993698	63.224	ng	100
72) Anthracene	17.292	178	1414347	18.170	ng	99
73) Carbazole	17.562	167	502127	6.849	ng	100
75) Fluoranthene	19.221	202	8471448	87.231	ng	99
78) Pyrene	19.586	202	7040581	69.350	ng	99
81) Benzo(a)anthracene	21.380	228	3093650	31.600	ng	99
83) Chrysene	21.445	228	2638691	28.350	ng	97
87) Indeno(1,2,3-cd)pyrene	27.791	276	1645652	13.473	ng	96
88) Benzo(b)fluoranthene	23.462	252	3284275	31.383	ng	99
89) Benzo(k)fluoranthene	23.515	252	1199064m	11.824	ng	
90) Benzo(a)pyrene	24.262	252	2554380	27.777	ng	98
91) Dibenzo(a,h)anthracene	27.832	278	399607	3.972	ng	# 91
92) Benzo(g,h,i)perylene	28.856	276	1620931	15.767	ng	97

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

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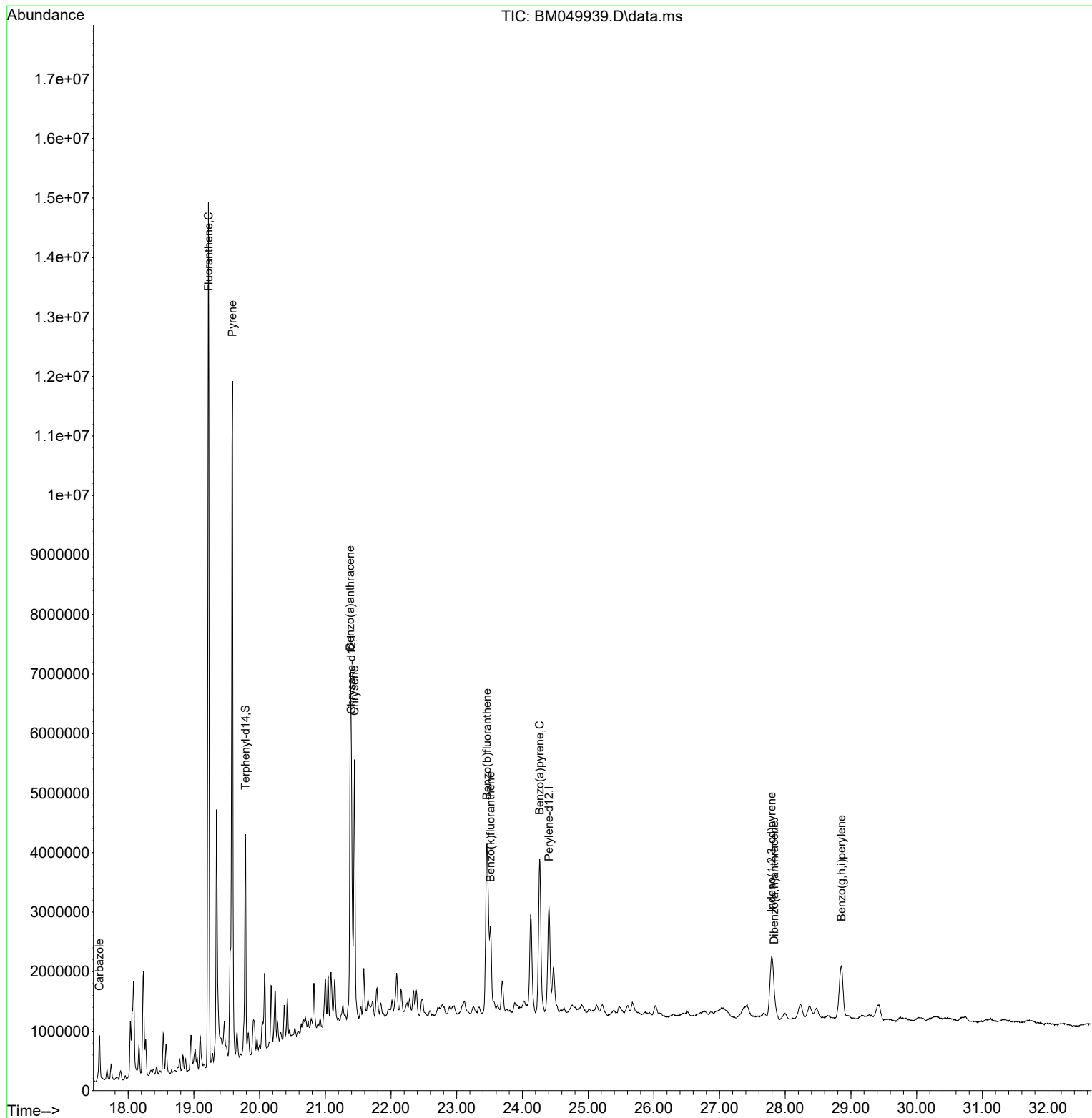
Quant Time: Apr 15 18:31:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
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Acq On : 15 Apr 2025 17:52
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Quant Time: Apr 15 18:31:28 2025
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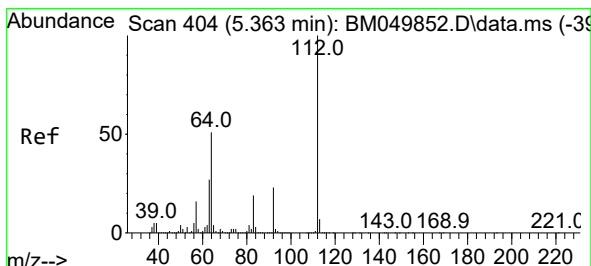
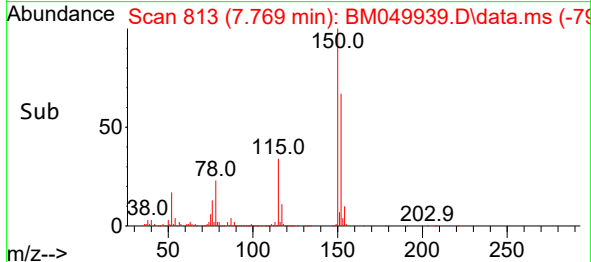
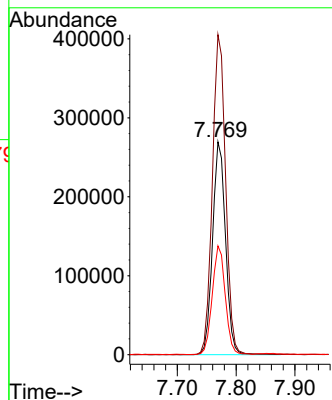
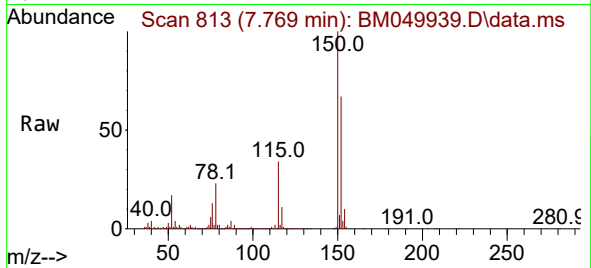




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 815
Delta R.T. -0.012 min
Lab File: BM049939.D
Acq: 15 Apr 2025 17:52

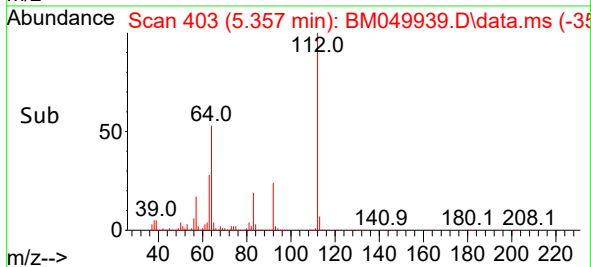
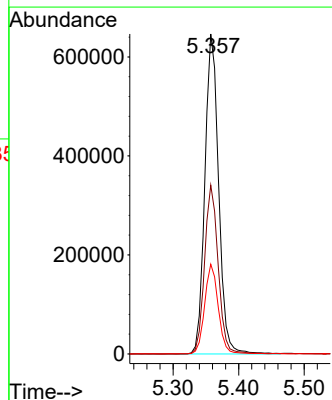
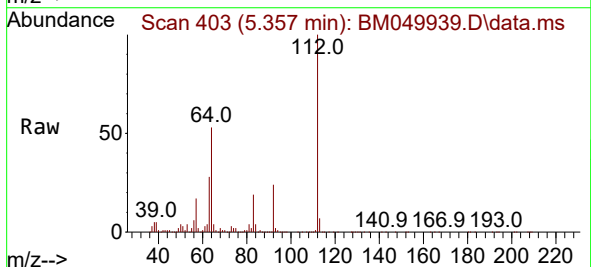
Instrument :
BNA_M
ClientSampleId :
OR-03-041425

Tgt Ion:152 Resp: 413502
Ion Ratio Lower Upper
152 100
150 150.3 124.3 186.5
115 51.1 41.1 61.7



#5
2-Fluorophenol
Concen: 38.869 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM049939.D
Acq: 15 Apr 2025 17:52

Tgt Ion:112 Resp: 946512
Ion Ratio Lower Upper
112 100
64 52.8 41.0 61.6
63 28.1 21.5 32.3

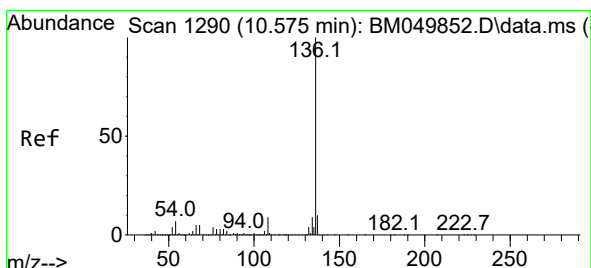
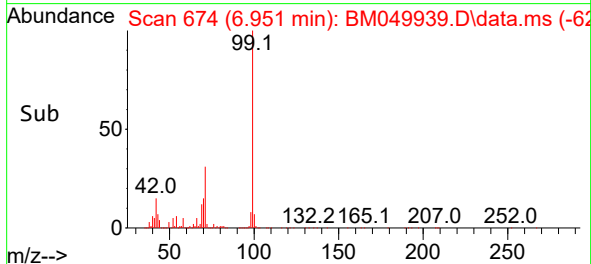
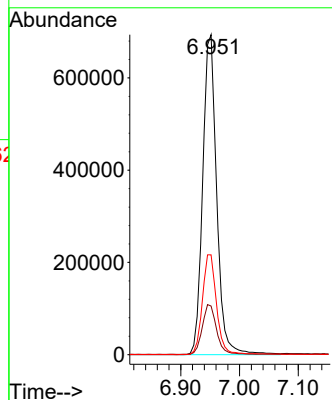
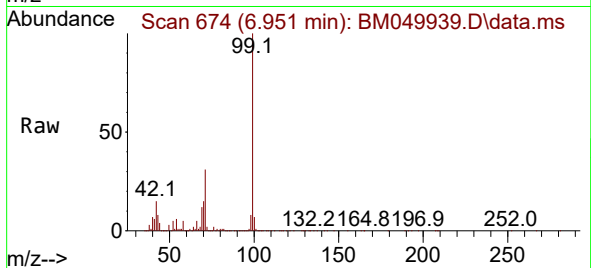




#7
Phenol-d6
Concen: 37.972 ng
RT: 6.951 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM049939.D
Acq: 15 Apr 2025 17:52

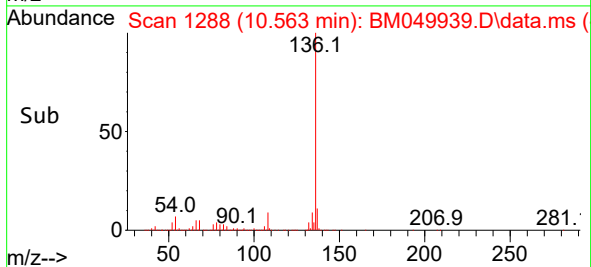
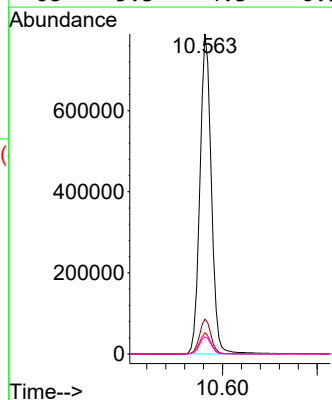
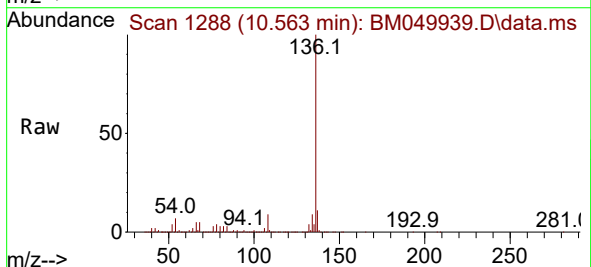
Instrument :
BNA_M
ClientSampleId :
OR-03-041425

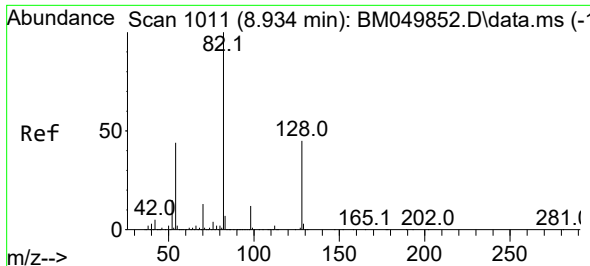
Tgt Ion: 99 Resp: 1150459
Ion Ratio Lower Upper
99 100
42 15.2 12.1 18.1
71 31.2 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1288
Delta R.T. -0.012 min
Lab File: BM049939.D
Acq: 15 Apr 2025 17:52

Tgt Ion: 136 Resp: 1320547
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 6.7 5.3 7.9
68 5.3 4.3 6.5

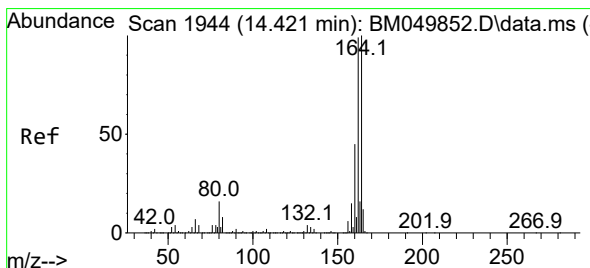
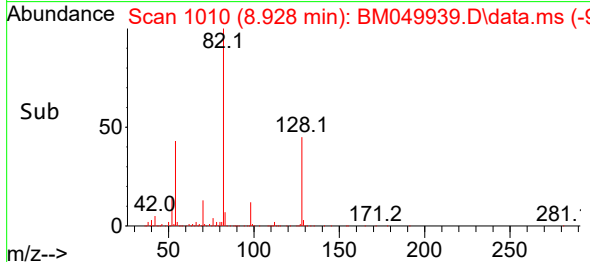
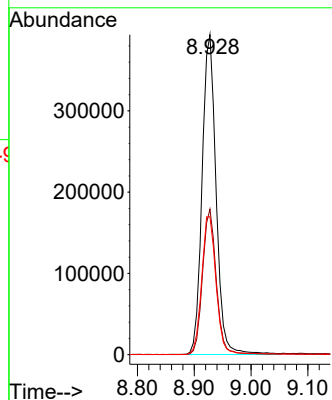
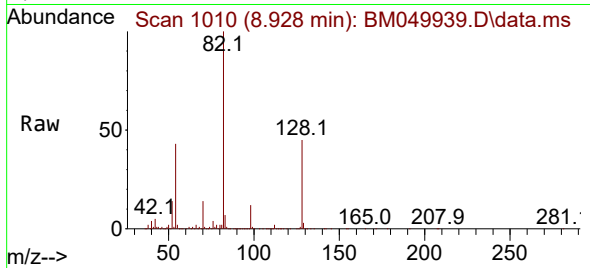




#23
 Nitrobenzene-d5
 Concen: 28.377 ng
 RT: 8.928 min Scan# 1010
 Delta R.T. -0.006 min
 Lab File: BM049939.D
 Acq: 15 Apr 2025 17:52

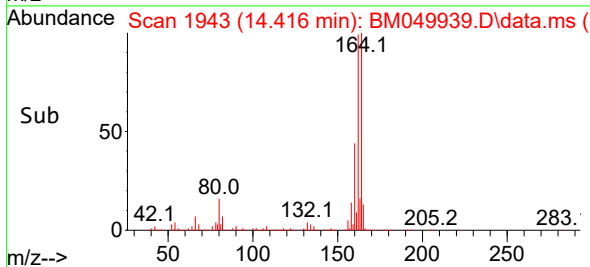
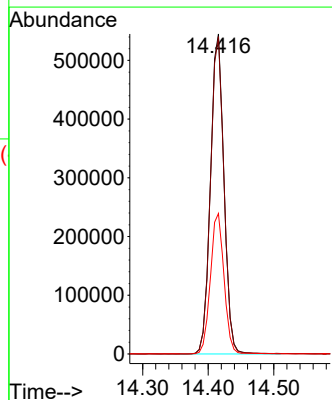
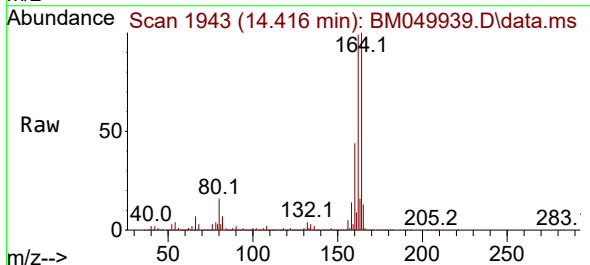
Instrument :
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 ClientSampleId :
 OR-03-041425

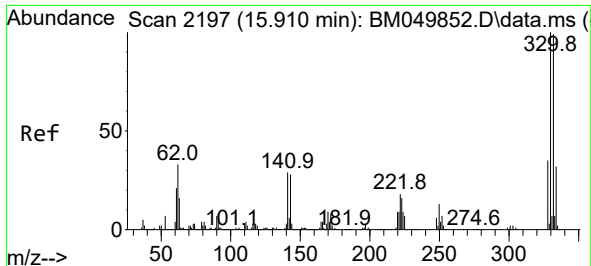
Tgt Ion: 82 Resp: 672949
 Ion Ratio Lower Upper
 82 100
 128 45.5 36.2 54.2
 54 43.1 35.0 52.6



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.416 min Scan# 1943
 Delta R.T. -0.006 min
 Lab File: BM049939.D
 Acq: 15 Apr 2025 17:52

Tgt Ion: 164 Resp: 779378
 Ion Ratio Lower Upper
 164 100
 162 99.1 79.4 119.0
 160 43.9 36.2 54.2

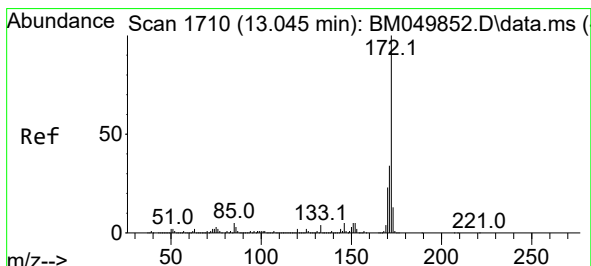
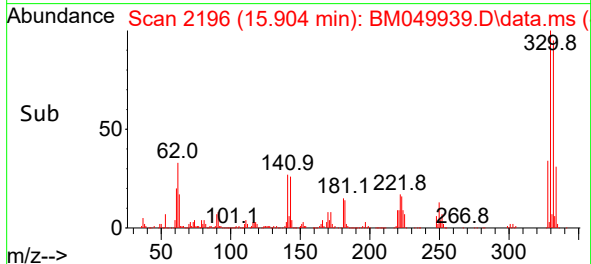
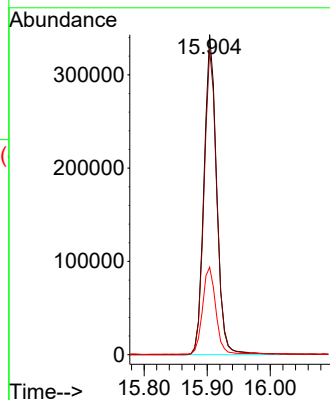
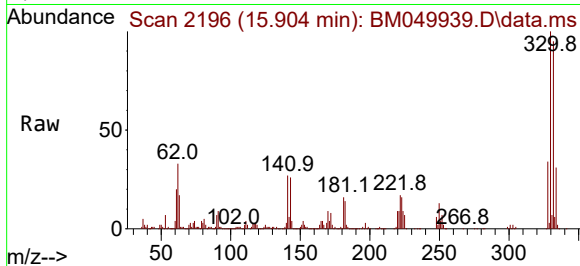




#42
2,4,6-Tribromophenol
Concen: 42.259 ng
RT: 15.904 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BM049939.D
Acq: 15 Apr 2025 17:52

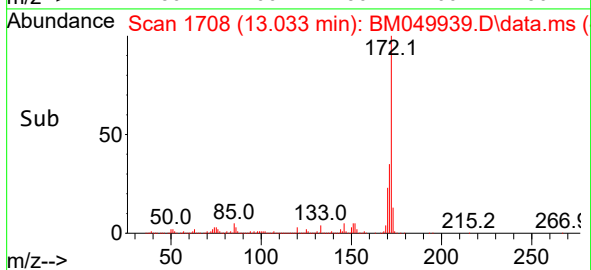
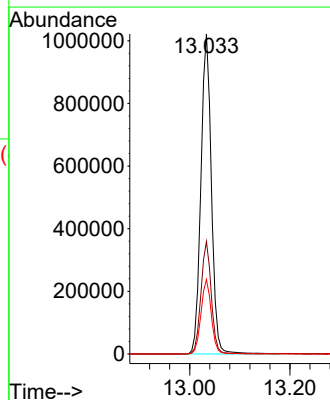
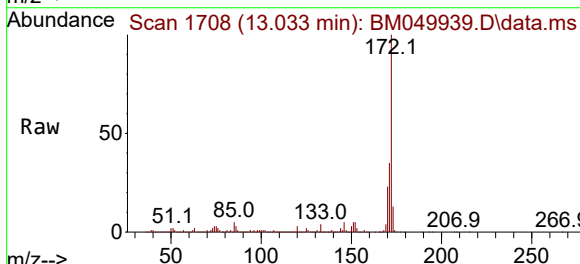
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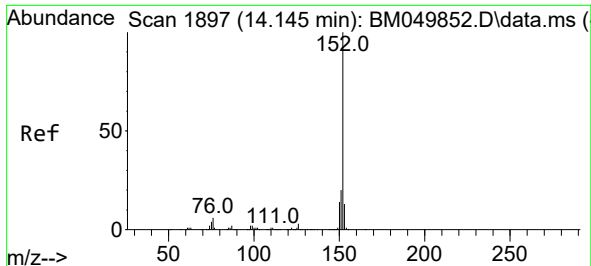
Tgt Ion:330 Resp: 479067
Ion Ratio Lower Upper
330 100
332 96.4 78.0 117.0
141 28.2 23.5 35.3



#45
2-Fluorobiphenyl
Concen: 25.800 ng
RT: 13.033 min Scan# 1708
Delta R.T. -0.012 min
Lab File: BM049939.D
Acq: 15 Apr 2025 17:52

Tgt Ion:172 Resp: 1482849
Ion Ratio Lower Upper
172 100
171 35.2 27.4 41.2
170 23.3 18.6 28.0

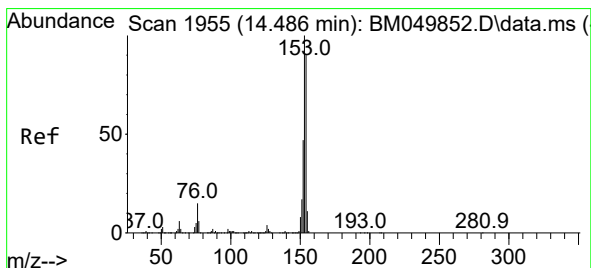
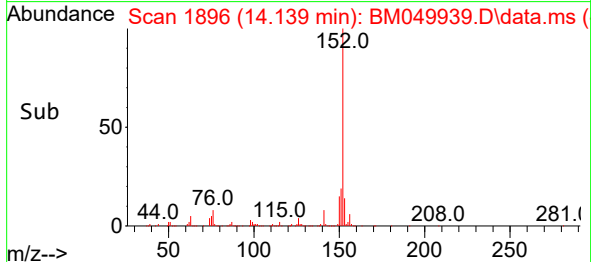
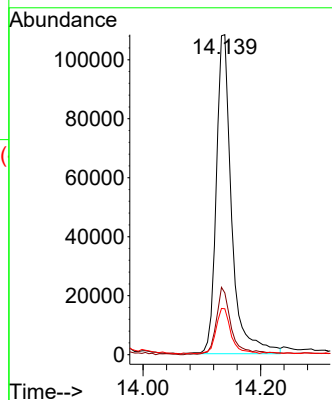
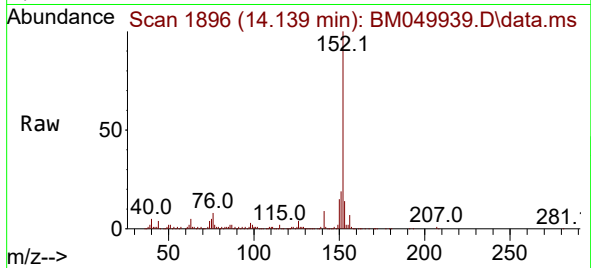




#49
Acenaphthylene
Concen: 2.961 ng
RT: 14.139 min Scan# 1896
Delta R.T. -0.006 min
Lab File: BM049939.D
Acq: 15 Apr 2025 17:52

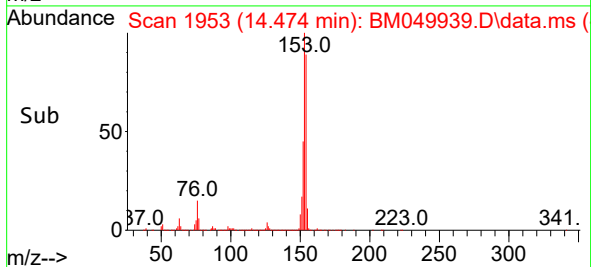
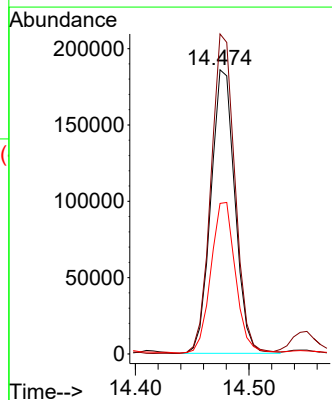
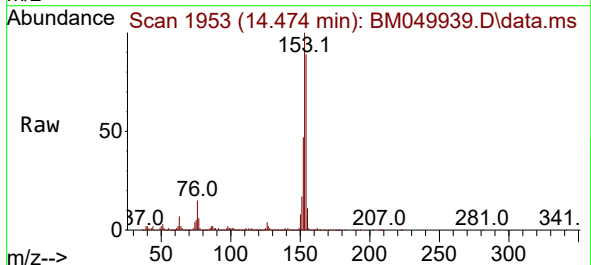
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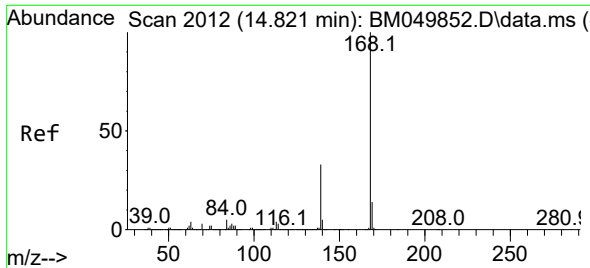
Tgt Ion:152 Resp: 196377
Ion Ratio Lower Upper
152 100
151 19.3 15.7 23.5
153 14.4 10.4 15.6



#52
Acenaphthene
Concen: 6.459 ng
RT: 14.474 min Scan# 1953
Delta R.T. -0.012 min
Lab File: BM049939.D
Acq: 15 Apr 2025 17:52

Tgt Ion:154 Resp: 272529
Ion Ratio Lower Upper
154 100
153 112.6 89.3 133.9
152 53.0 42.2 63.2

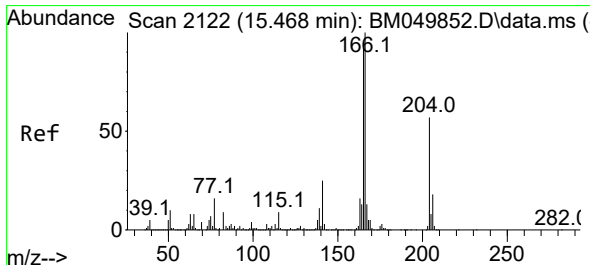
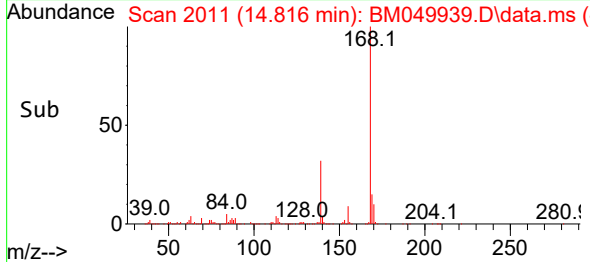
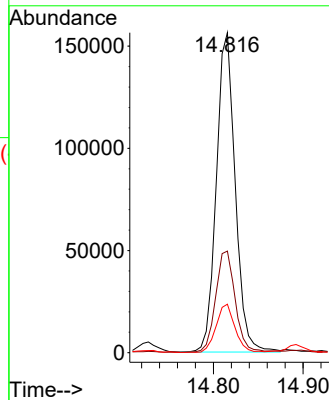
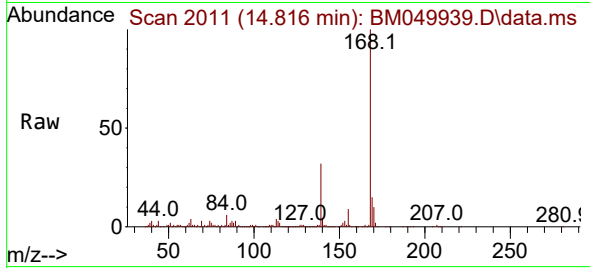




#55
Dibenzenofuran
Concen: 3.237 ng
RT: 14.816 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BM049939.D
Acq: 15 Apr 2025 17:52

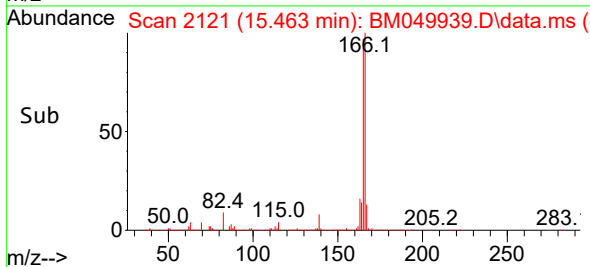
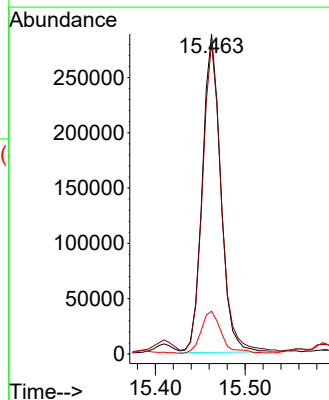
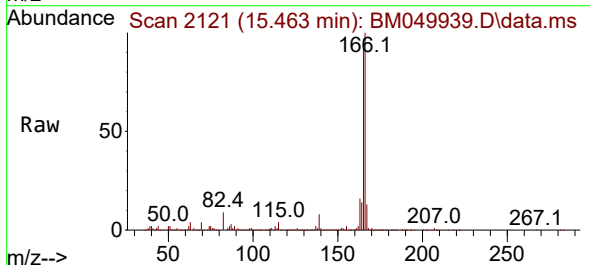
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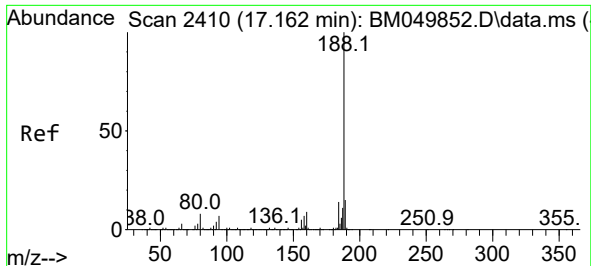
Tgt Ion:168 Resp: 228352
Ion Ratio Lower Upper
168 100
139 31.8 26.6 39.8
169 15.1 11.0 16.4



#58
Fluorene
Concen: 7.276 ng
RT: 15.463 min Scan# 2121
Delta R.T. -0.006 min
Lab File: BM049939.D
Acq: 15 Apr 2025 17:52

Tgt Ion:166 Resp: 407937
Ion Ratio Lower Upper
166 100
165 97.3 76.3 114.5
167 13.3 10.7 16.1

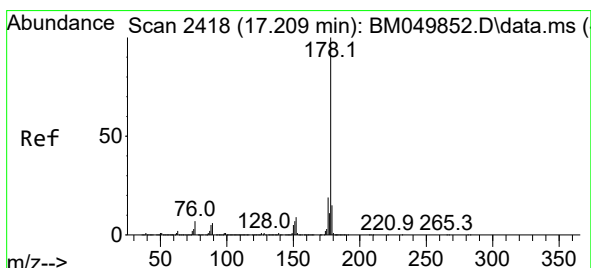
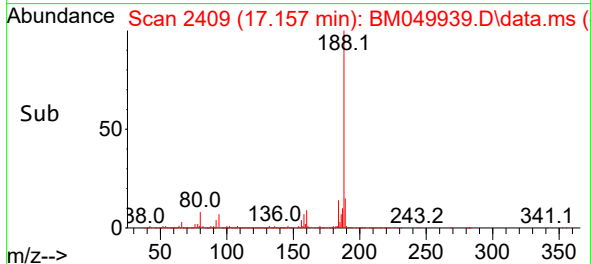
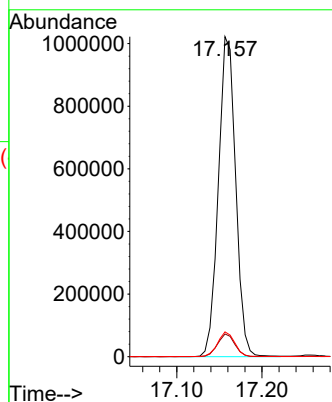
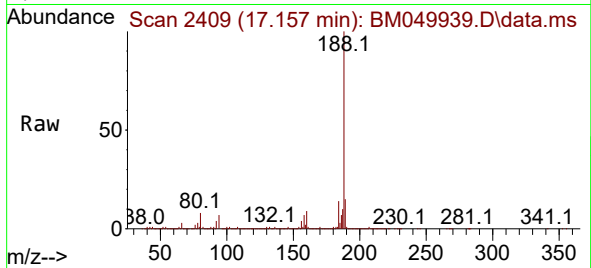




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2410
Delta R.T. -0.006 min
Lab File: BM049939.D
Acq: 15 Apr 2025 17:52

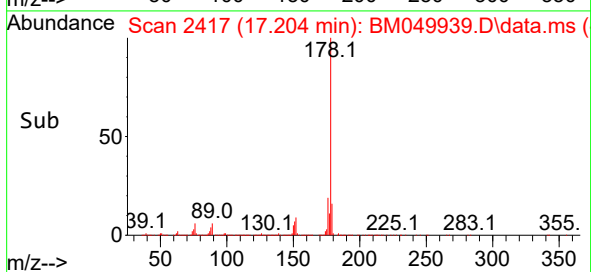
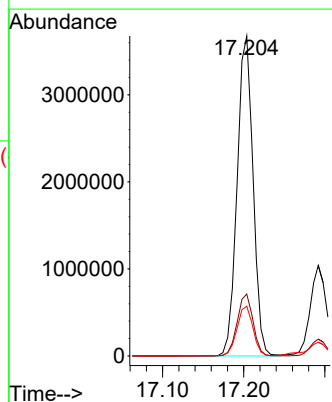
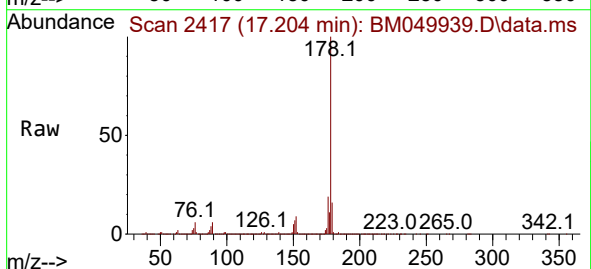
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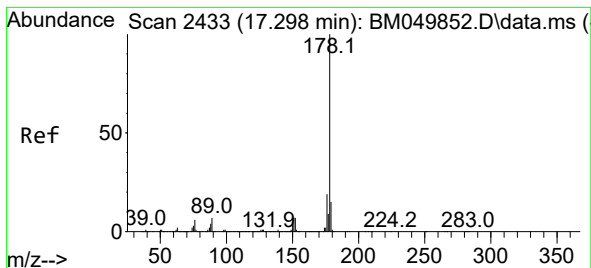
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Ion Ratio Lower Upper
188 100
94 7.1 5.8 8.6
80 7.7 6.4 9.6



#71
Phenanthrene
Concen: 63.224 ng
RT: 17.204 min Scan# 2417
Delta R.T. -0.006 min
Lab File: BM049939.D
Acq: 15 Apr 2025 17:52

Tgt Ion:178 Resp: 4993698
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.6 12.3 18.5





#72

Anthracene

Concen: 18.170 ng

RT: 17.292 min Scan# 2433

Delta R.T. -0.006 min

Lab File: BM049939.D

Acq: 15 Apr 2025 17:52

Instrument :

BNA_M

ClientSampleId :

OR-03-041425

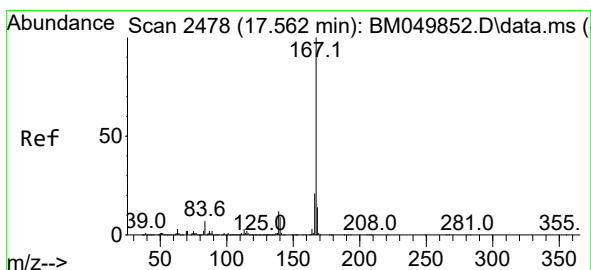
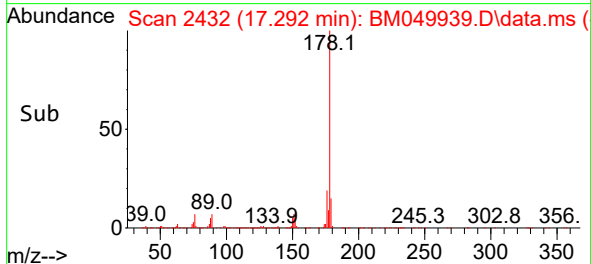
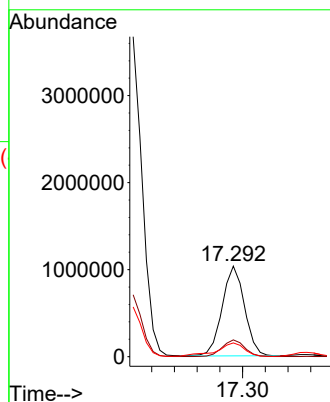
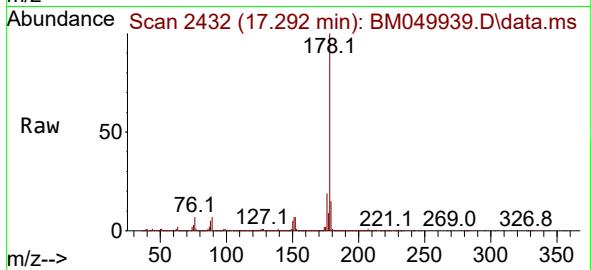
Tgt Ion:178 Resp: 1414347

Ion Ratio Lower Upper

178 100

176 18.6 15.1 22.7

179 15.2 12.4 18.6



#73

Carbazole

Concen: 6.849 ng

RT: 17.562 min Scan# 2478

Delta R.T. 0.000 min

Lab File: BM049939.D

Acq: 15 Apr 2025 17:52

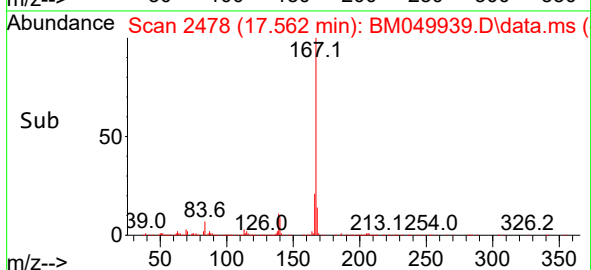
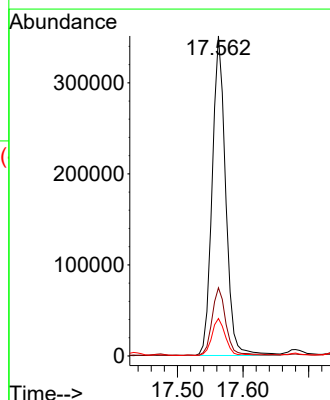
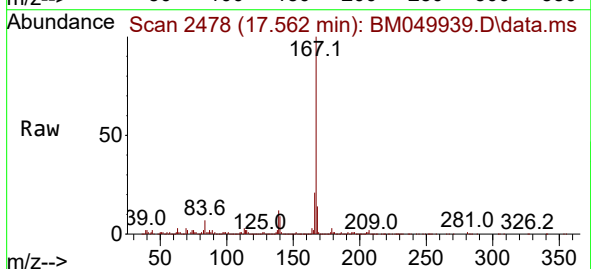
Tgt Ion:167 Resp: 502127

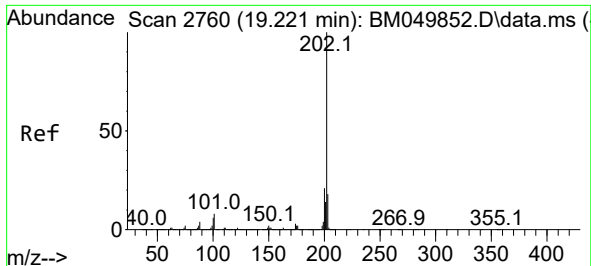
Ion Ratio Lower Upper

167 100

166 21.3 16.9 25.3

139 11.7 9.3 13.9

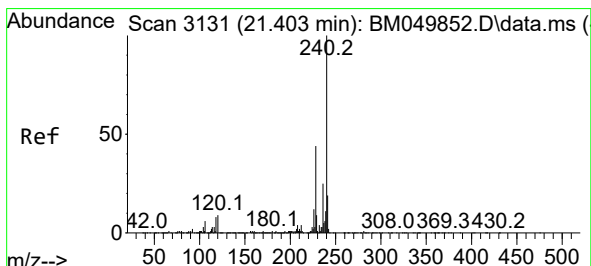
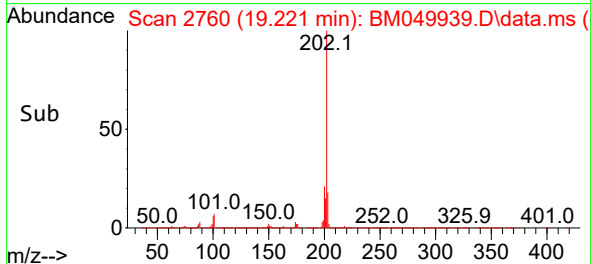
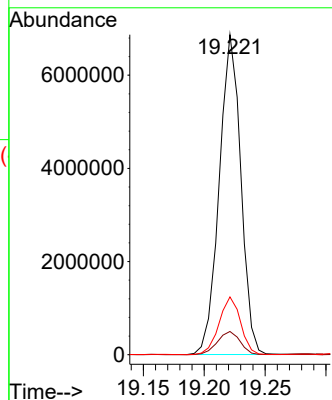
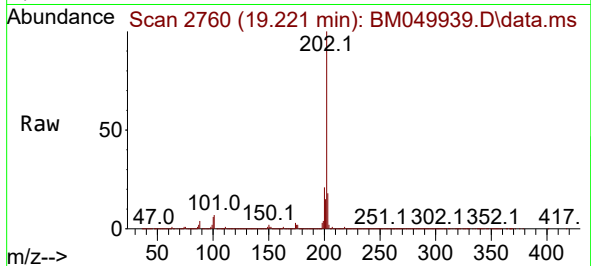




#75
Fluoranthene
Concen: 87.231 ng
RT: 19.221 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049939.D
Acq: 15 Apr 2025 17:52

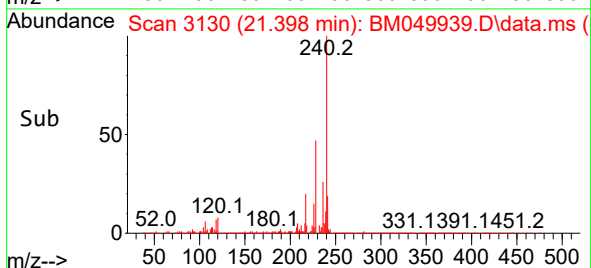
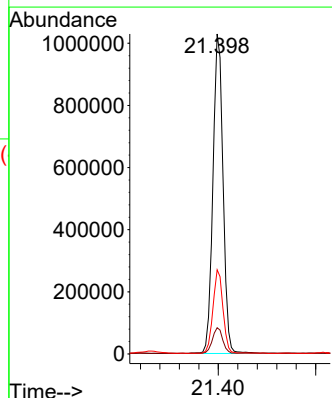
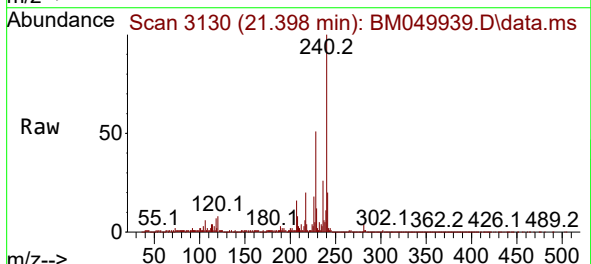
Instrument :
BNA_M
ClientSampleId :
OR-03-041425

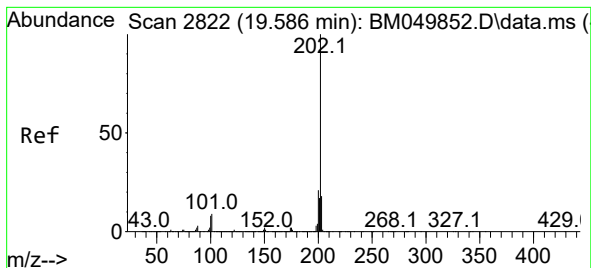
Tgt Ion:202 Resp: 8471448
Ion Ratio Lower Upper
202 100
101 7.2 0.0 28.4
203 18.0 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.398 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BM049939.D
Acq: 15 Apr 2025 17:52

Tgt Ion:240 Resp: 1473077
Ion Ratio Lower Upper
240 100
120 8.2 6.9 10.3
236 26.3 20.4 30.6





#78

Pyrene

Concen: 69.350 ng

RT: 19.586 min Scan# 2822

Delta R.T. 0.000 min

Lab File: BM049939.D

Acq: 15 Apr 2025 17:52

Instrument :

BNA_M

ClientSampleId :

OR-03-041425

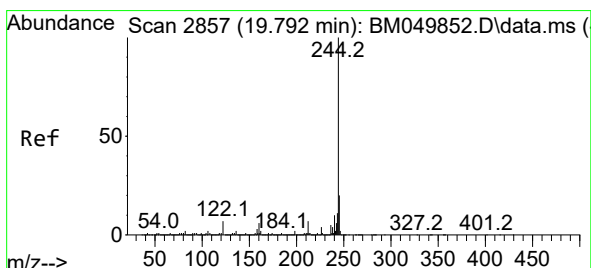
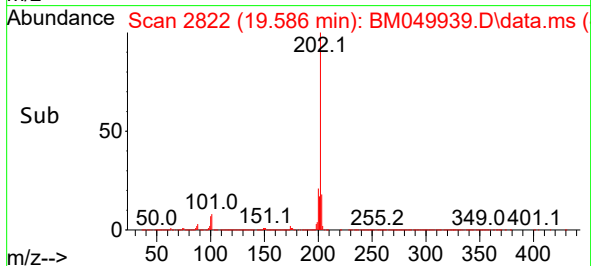
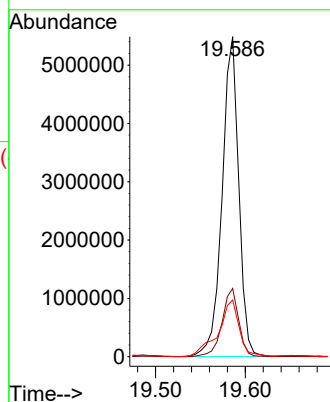
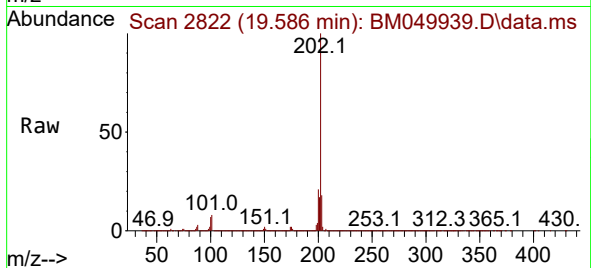
Tgt Ion:202 Resp: 7040581

Ion Ratio Lower Upper

202 100

200 21.3 16.5 24.7

203 17.7 14.0 21.0



#79

Terphenyl-d14

Concen: 21.636 ng

RT: 19.786 min Scan# 2856

Delta R.T. -0.006 min

Lab File: BM049939.D

Acq: 15 Apr 2025 17:52

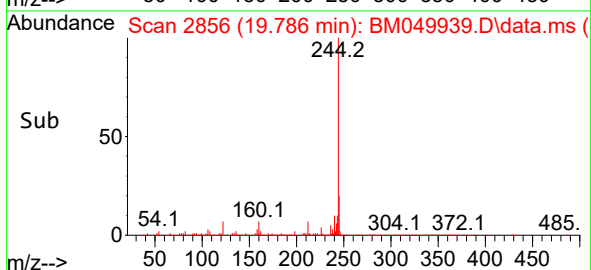
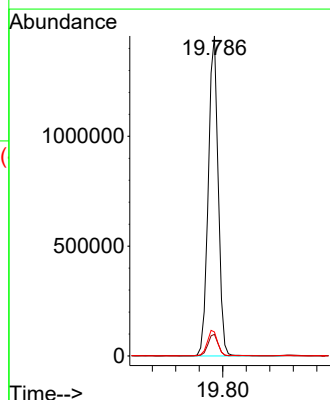
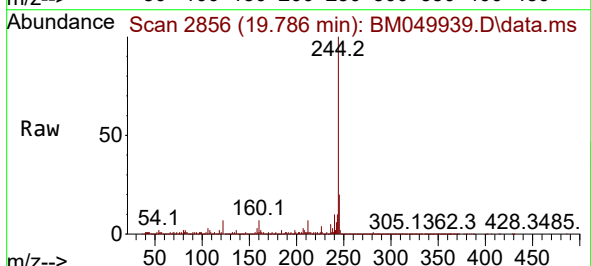
Tgt Ion:244 Resp: 1700638

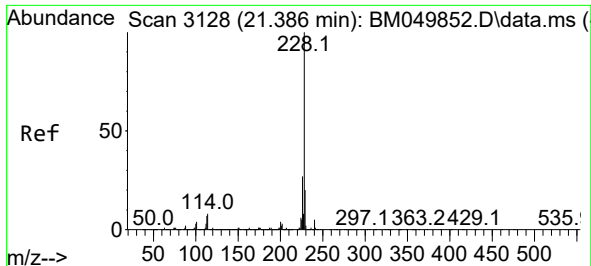
Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

122 7.5 5.4 8.0

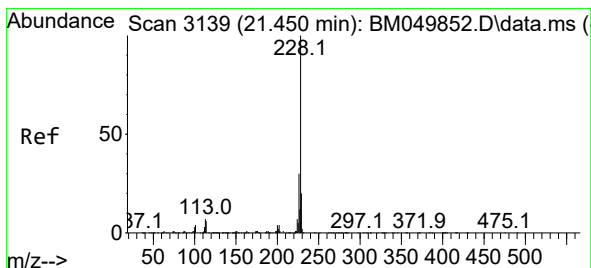
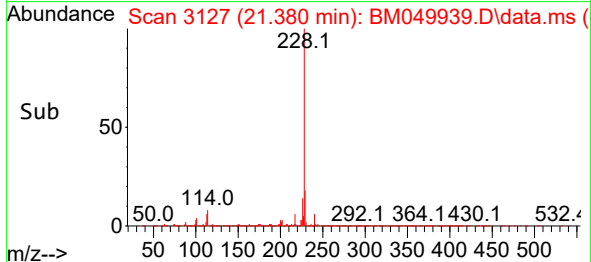
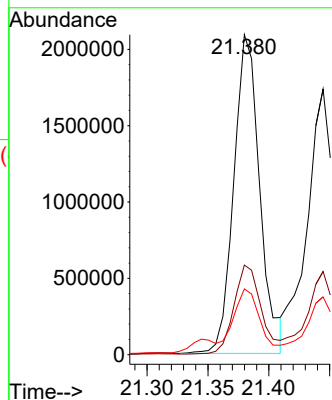
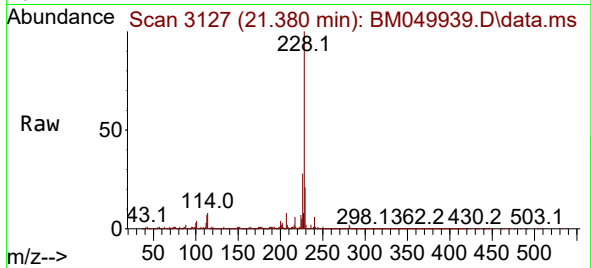




#81
Benzo(a)anthracene
Concen: 31.600 ng
RT: 21.380 min Scan# 3128
Delta R.T. -0.006 min
Lab File: BM049939.D
Acq: 15 Apr 2025 17:52

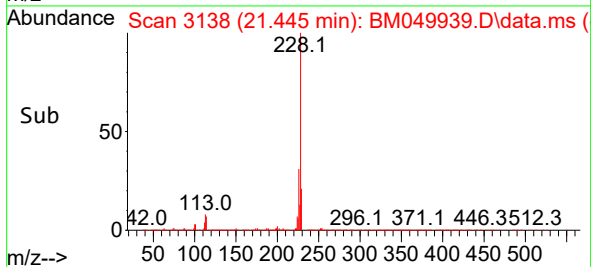
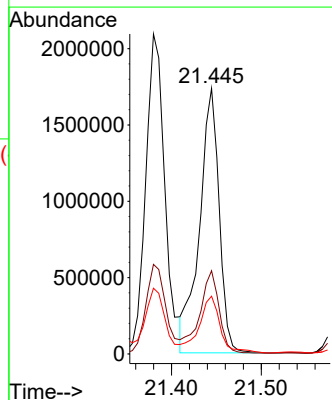
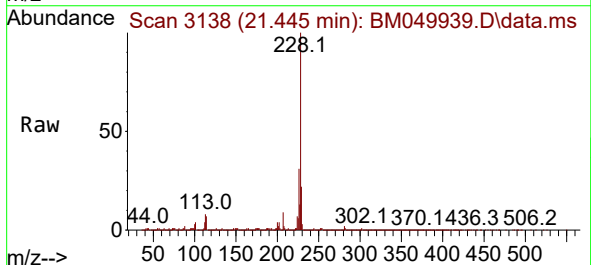
Instrument :
BNA_M
ClientSampleId :
OR-03-041425

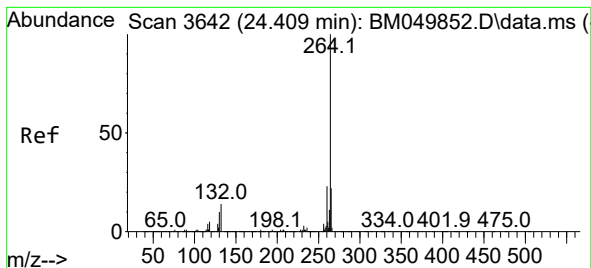
Tgt Ion:228 Resp: 3093650
Ion Ratio Lower Upper
228 100
226 28.0 21.8 32.8
229 20.5 15.8 23.8



#83
Chrysene
Concen: 28.350 ng
RT: 21.445 min Scan# 3138
Delta R.T. -0.006 min
Lab File: BM049939.D
Acq: 15 Apr 2025 17:52

Tgt Ion:228 Resp: 2638691
Ion Ratio Lower Upper
228 100
226 31.3 24.1 36.1
229 21.8 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.403 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM049939.D

Acq: 15 Apr 2025 17:52

Instrument :

BNA_M

ClientSampleId :

OR-03-041425

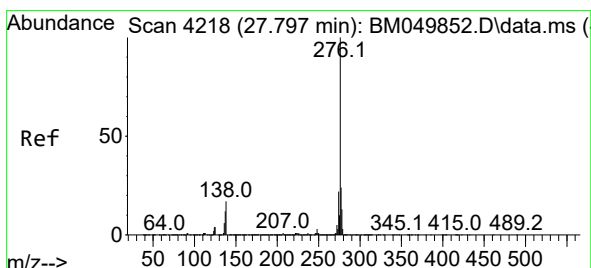
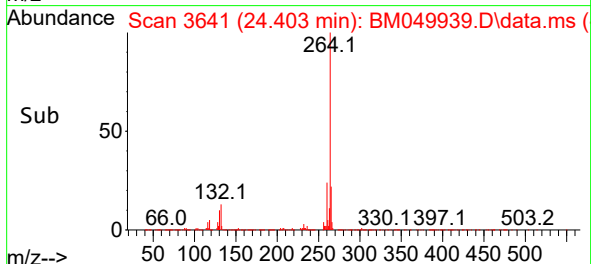
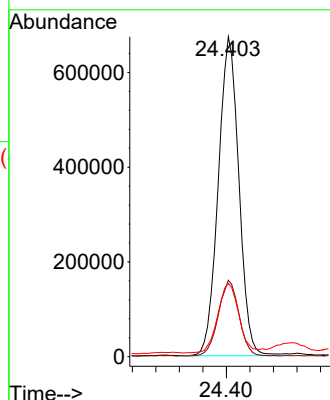
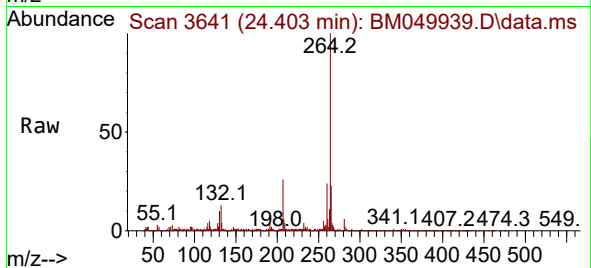
Tgt Ion:264 Resp: 1638586

Ion Ratio Lower Upper

264 100

260 23.9 18.6 28.0

265 22.9 17.8 26.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 13.473 ng

RT: 27.791 min Scan# 4217

Delta R.T. -0.006 min

Lab File: BM049939.D

Acq: 15 Apr 2025 17:52

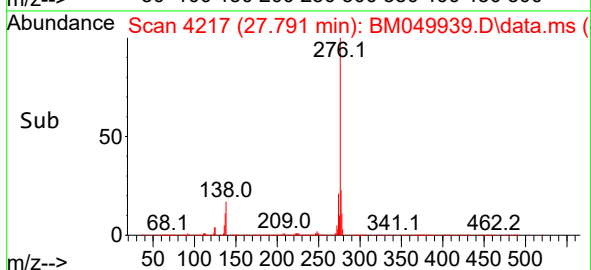
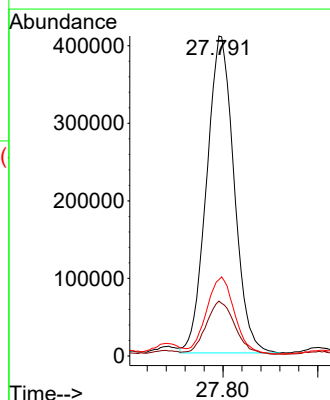
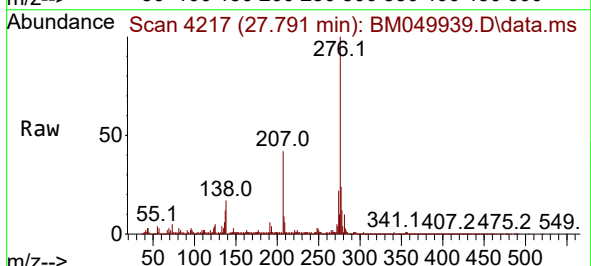
Tgt Ion:276 Resp: 1645652

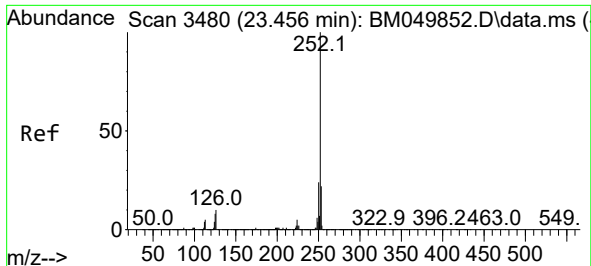
Ion Ratio Lower Upper

276 100

138 17.5 16.8 25.2

277 24.9 20.1 30.1

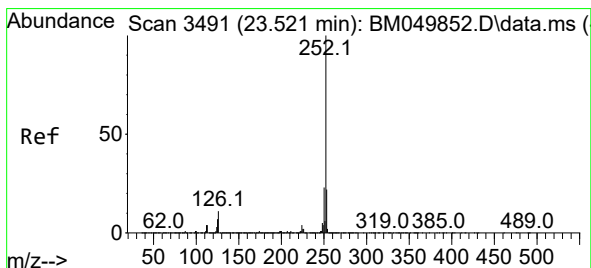
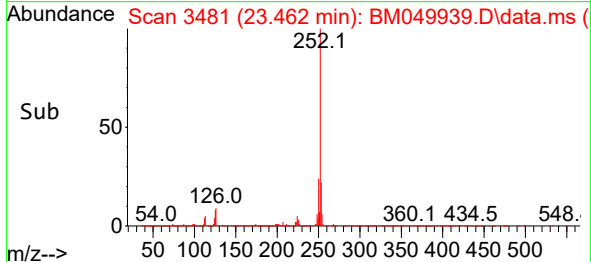
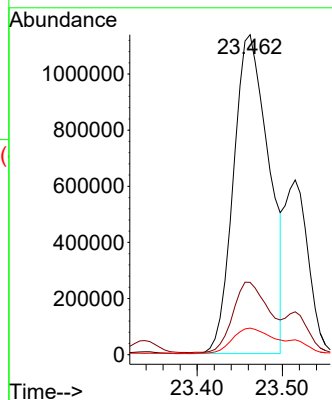
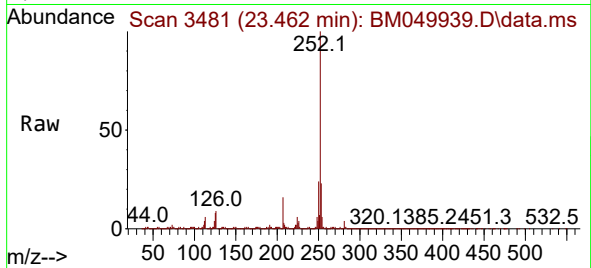




#88
Benzo(b)fluoranthene
Concen: 31.383 ng
RT: 23.462 min Scan# 34
Delta R.T. 0.006 min
Lab File: BM049939.D
Acq: 15 Apr 2025 17:52

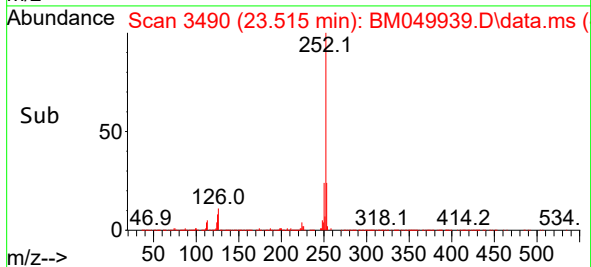
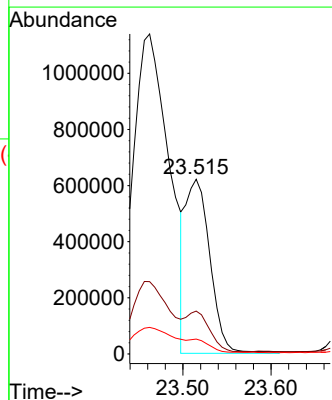
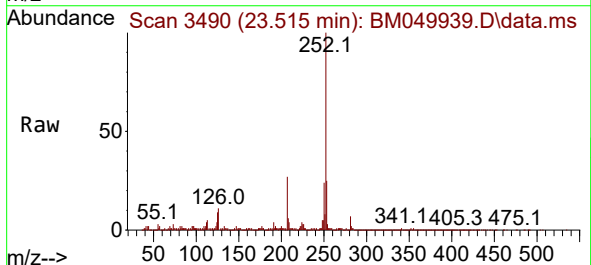
Instrument :
BNA_M
ClientSampleId :
OR-03-041425

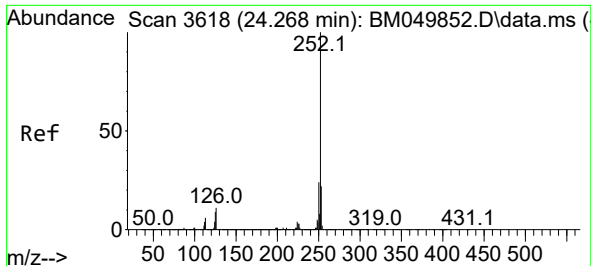
Tgt Ion:252 Resp: 3284275
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 8.3 6.2 9.4



#89
Benzo(k)fluoranthene
Concen: 11.824 ng m
RT: 23.515 min Scan# 3490
Delta R.T. -0.006 min
Lab File: BM049939.D
Acq: 15 Apr 2025 17:52

Tgt Ion:252 Resp: 1199064
Ion Ratio Lower Upper
252 100
253 24.5 17.4 26.2
125 8.5 5.8 8.8

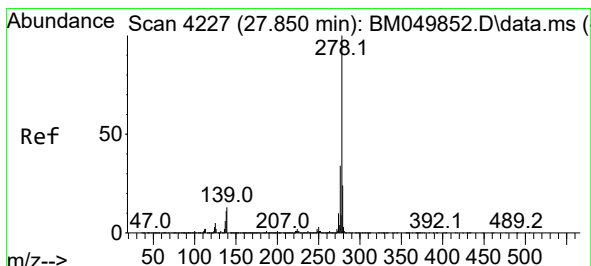
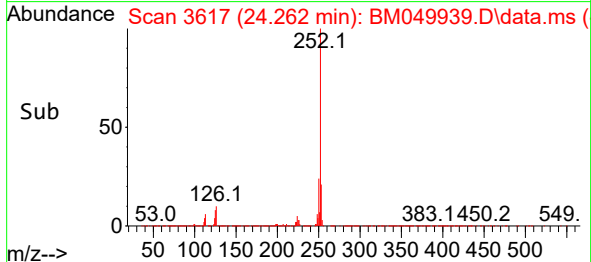
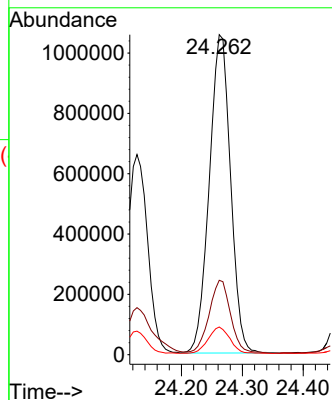
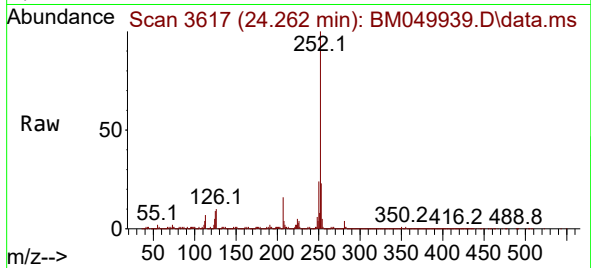




#90
Benzo(a)pyrene
Concen: 27.777 ng
RT: 24.262 min Scan# 3618
Delta R.T. -0.006 min
Lab File: BM049939.D
Acq: 15 Apr 2025 17:52

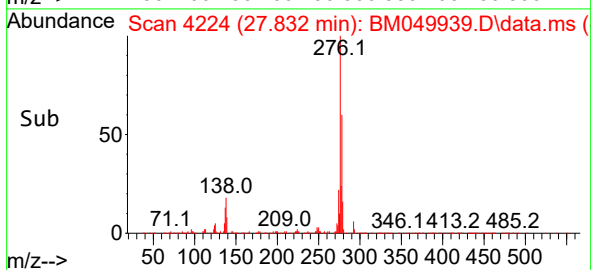
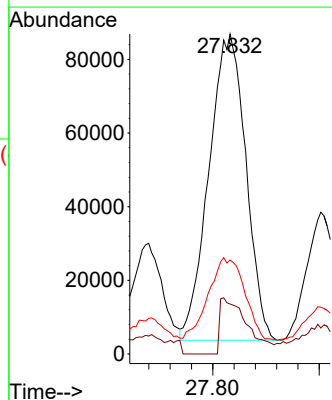
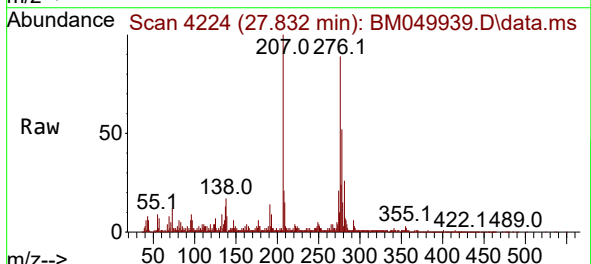
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BNA_M
ClientSampleId :
OR-03-041425

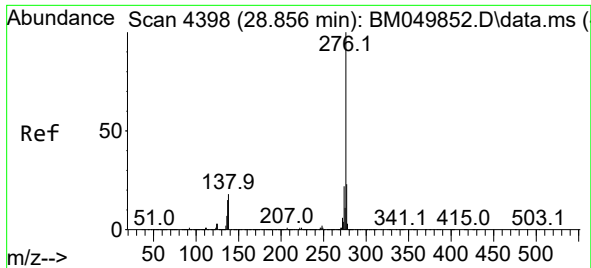
Tgt Ion:252 Resp: 2554380
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 8.7 7.0 10.4



#91
Dibenzo(a,h)anthracene
Concen: 3.972 ng
RT: 27.832 min Scan# 4224
Delta R.T. -0.018 min
Lab File: BM049939.D
Acq: 15 Apr 2025 17:52

Tgt Ion:278 Resp: 399607
Ion Ratio Lower Upper
278 100
139 15.6 10.6 15.8
279 29.3 19.1 28.7#





#92
Benzo(g,h,i)perylene
Concen: 15.767 ng
RT: 28.856 min Scan# 41
Delta R.T. 0.000 min
Lab File: BM049939.D
Acq: 15 Apr 2025 17:52

Instrument :
BNA_M
ClientSampleId :
OR-03-041425

Tgt Ion:276 Resp: 1620931
Ion Ratio Lower Upper
276 100
277 24.8 18.7 28.1
138 16.8 14.6 21.8

