

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072225\
 Data File : BM050484.D
 Acq On : 22 Jul 2025 13:32
 Operator : RC/JU
 Sample : Q2638-11
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jul 22 14:11:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 16:20:15 2025
 Response via : Initial Calibration

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

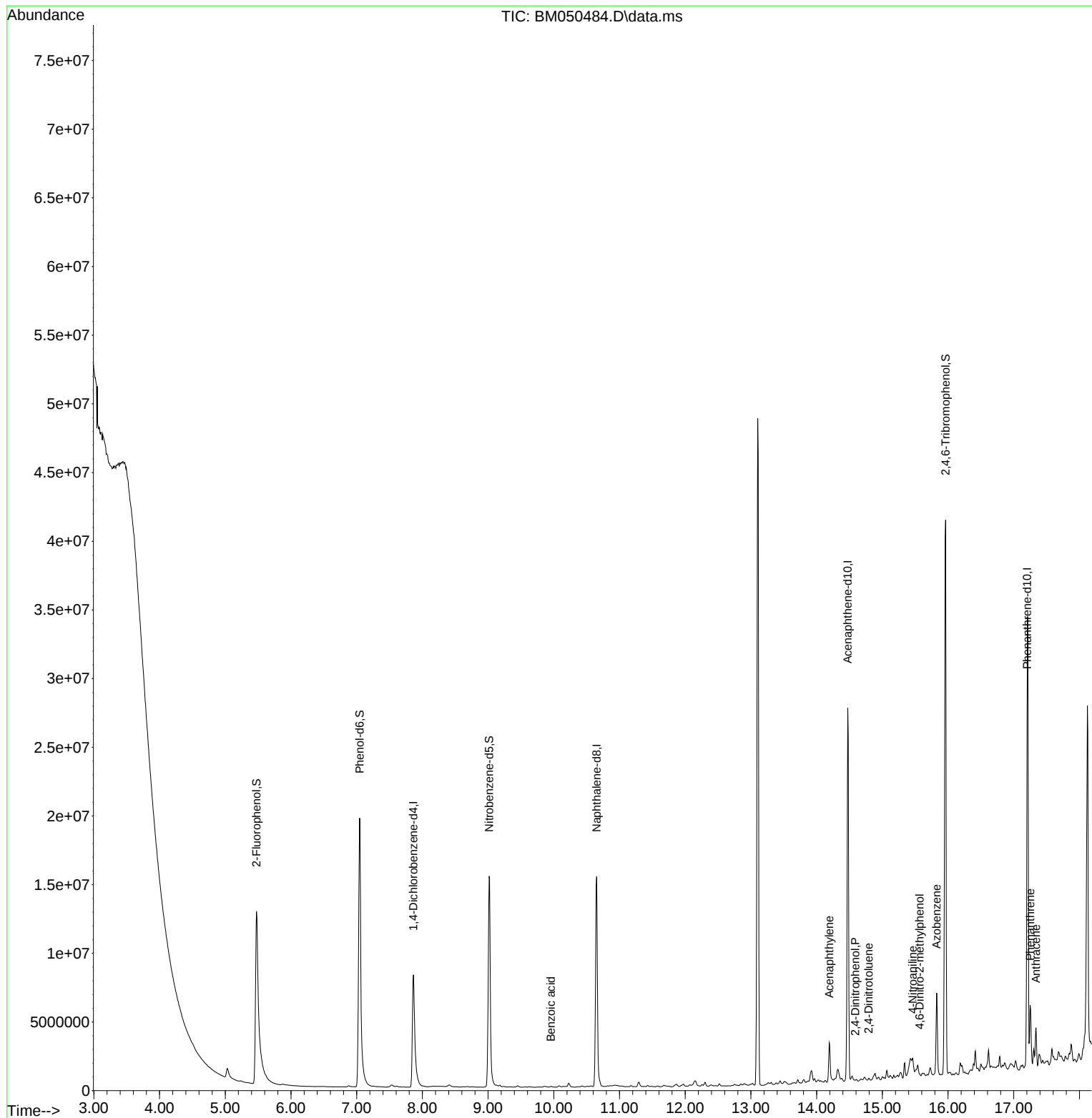
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	3943642	20.000	ng	0.01
21) Naphthalene-d8	10.651	136	15144240	20.000	ng	0.01
39) Acenaphthene-d10	14.475	164	10256818	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	15774321	20.000	ng	# 0.00
76) Chrysene-d12	21.433	240	17541324	20.000	ng	# 0.00
86) Perylene-d12	24.480	264	24155417	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	13534086	59.074	ng	0.05
7) Phenol-d6	7.046	99	17866005	61.860	ng	0.04
23) Nitrobenzene-d5	9.016	82	11641669	39.219	ng	0.01
42) 2,4,6-Tribromophenol	15.963	330	9674983	77.635	ng	0.00
45) 2-Fluorobiphenyl	0.000	172	0	0.000	ng	
79) Terphenyl-d14	0.000	244	0	0.000	ng	
Target Compounds						Qvalue
32) Benzoic acid	9.957	122	7218	6.019	ng	# 56
49) Acenaphthylene	14.192	152	2253344	2.457	ng	99
54) 2,4-Dinitrophenol	14.586	184	732	6.416	ng	# 1
57) 2,4-Dinitrotoluene	14.792	165	14169	2.790	ng	# 65
62) 4-Nitroaniline	15.463	138	6634	2.625	ng	89
63) Azobenzene	15.827	77	1540578	2.487	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.569	198	463	6.308	ng	# 1
71) Phenanthrene	17.251	178	2218477	2.485	ng	99
72) Anthracene	17.339	178	1905695	2.145	ng	99
75) Fluoranthene	19.257	202	8098023	8.345	ng	98
78) Pyrene	19.621	202	10043173	8.940	ng	99
81) Benzo(a)anthracene	21.480	228	8409152	7.357	ng	93
83) Chrysene	21.480	228	8409152	7.800	ng	96
87) Indeno(1,2,3-cd)pyrene	27.903	276	5789995	3.371	ng	96
88) Benzo(b)fluoranthene	23.515	252	9615956	6.472	ng	97
89) Benzo(k)fluoranthene	23.515	252	9615956	6.237	ng	96
90) Benzo(a)pyrene	24.327	252	8403065	6.042	ng	98
92) Benzo(g,h,i)perylene	28.985	276	5949542	4.352	ng	98

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

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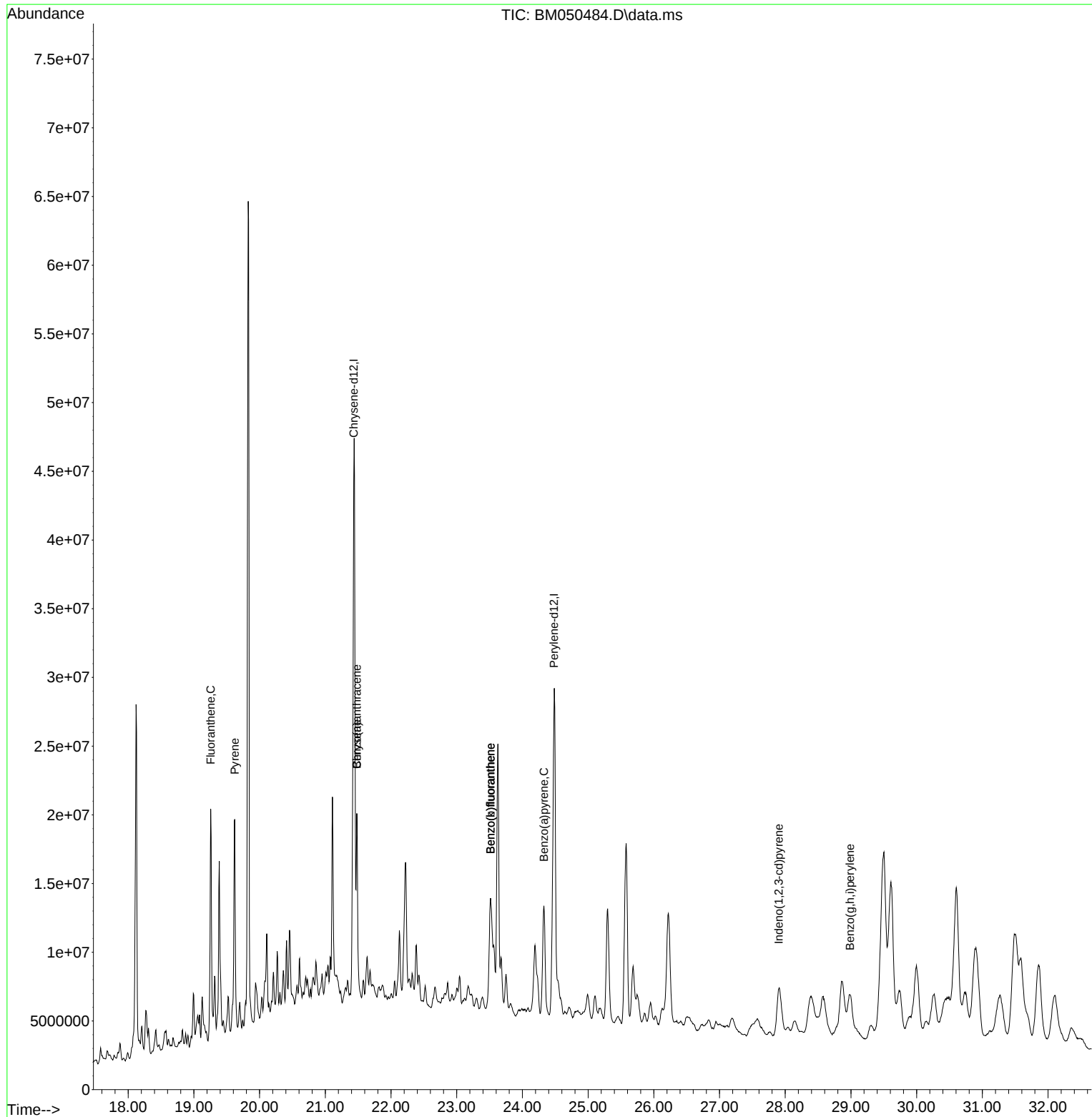
Quant Time: Jul 22 14:11:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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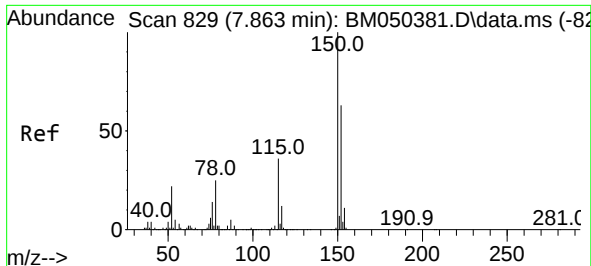


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072225\
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
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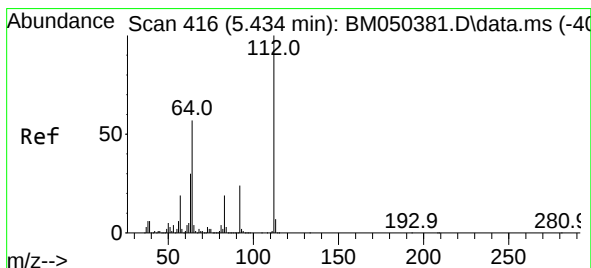
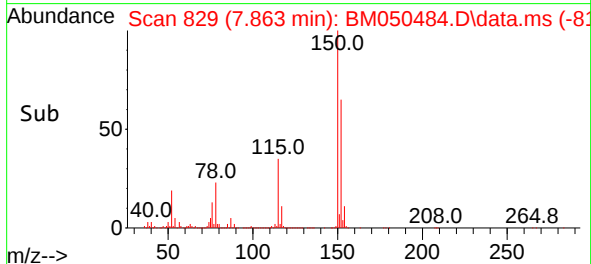
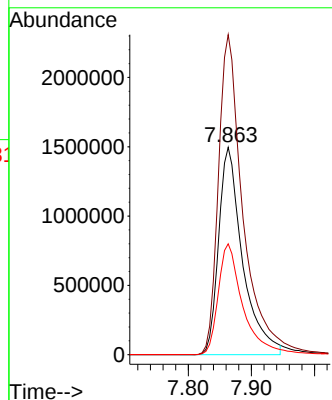
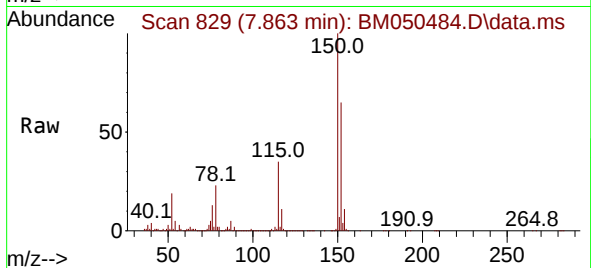




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.863 min Scan# 81
 Delta R.T. 0.012 min
 Lab File: BM050484.D
 Acq: 22 Jul 2025 13:32

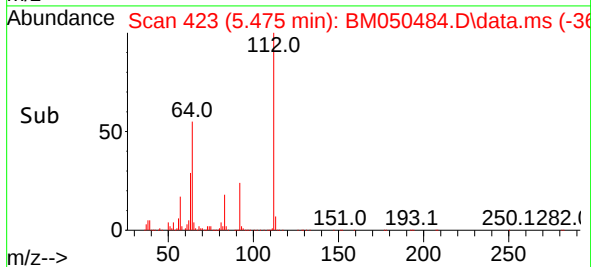
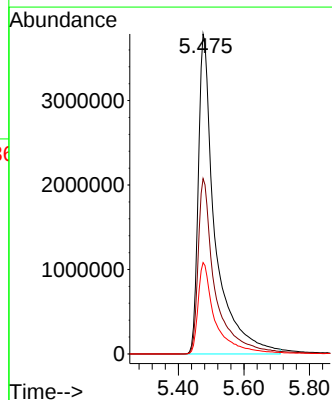
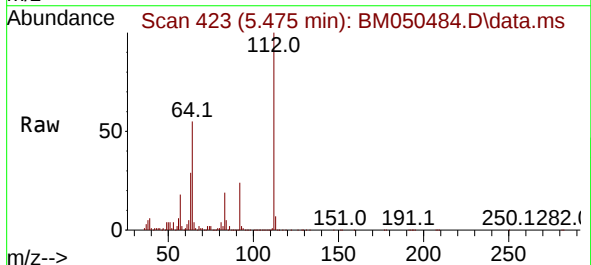
Instrument :
 BNA_M
 ClientSampleId :

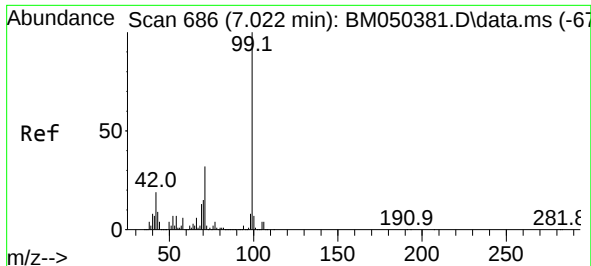
Tgt Ion:152 Resp: 3943642
 Ion Ratio Lower Upper
 152 100
 150 154.3 126.2 189.4
 115 53.4 45.8 68.8



#5
 2-Fluorophenol
 Concen: 59.074 ng
 RT: 5.475 min Scan# 423
 Delta R.T. 0.047 min
 Lab File: BM050484.D
 Acq: 22 Jul 2025 13:32

Tgt Ion:112 Resp:13534086
 Ion Ratio Lower Upper
 112 100
 64 54.8 45.5 68.3
 63 28.6 24.2 36.4

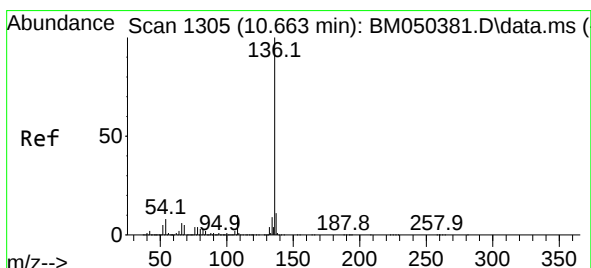
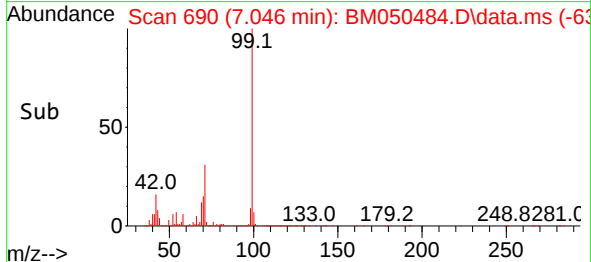
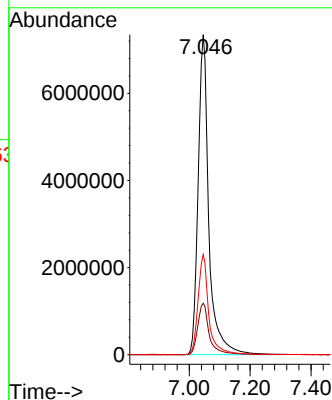
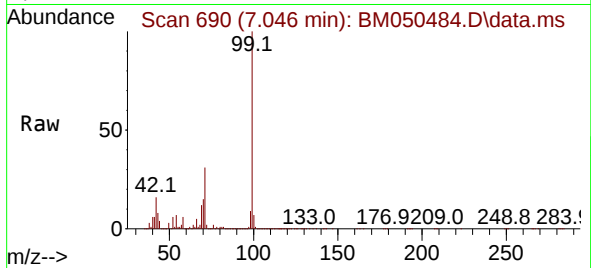




#7
Phenol-d6
Concen: 61.860 ng
RT: 7.046 min Scan# 61
Delta R.T. 0.036 min
Lab File: BM050484.D
Acq: 22 Jul 2025 13:32

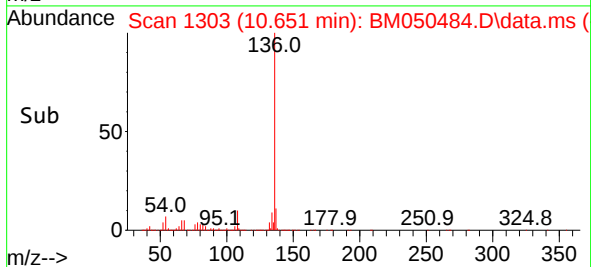
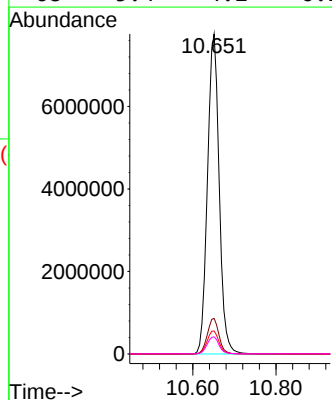
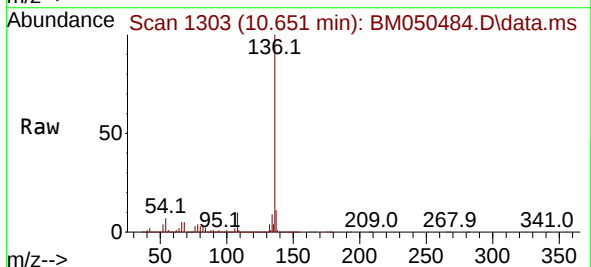
Instrument :
BNA_M
ClientSampleId :

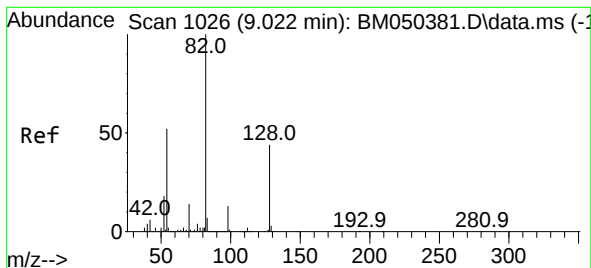
Tgt Ion: 99 Resp:17866005
Ion Ratio Lower Upper
99 100
42 16.0 15.0 22.6
71 31.3 25.9 38.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.651 min Scan# 1303
Delta R.T. 0.012 min
Lab File: BM050484.D
Acq: 22 Jul 2025 13:32

Tgt Ion:136 Resp:15144240
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 7.1 6.3 9.5
68 5.4 4.2 6.2





#23

Nitrobenzene-d5

Concen: 39.219 ng

RT: 9.016 min Scan# 1

Delta R.T. 0.012 min

Lab File: BM050484.D

Acq: 22 Jul 2025 13:32

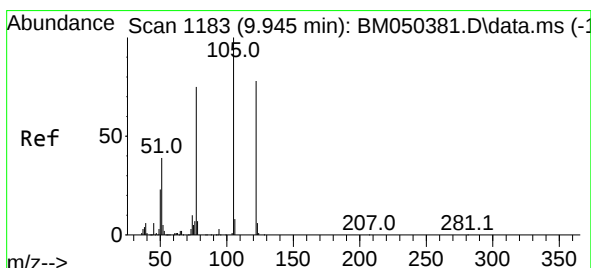
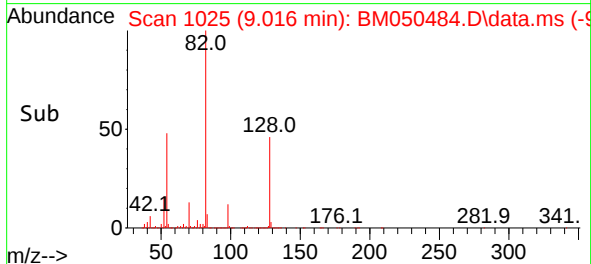
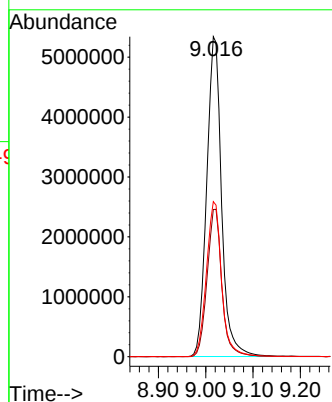
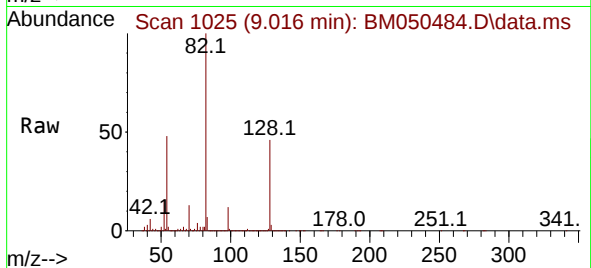
Instrument :

BNA_M

ClientSampleId :

Tgt Ion: 82 Resp:11641669

Ion	Ratio	Lower	Upper
82	100		
128	46.0	35.2	52.8
54	48.4	41.5	62.3



#32

Benzoic acid

Concen: 6.019 ng

RT: 9.957 min Scan# 1185

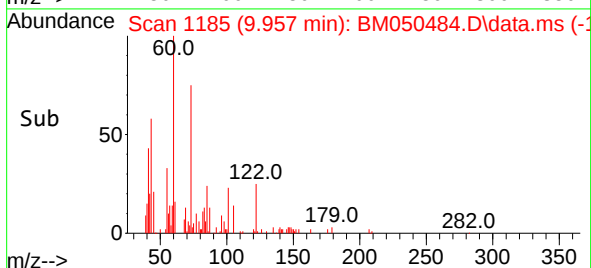
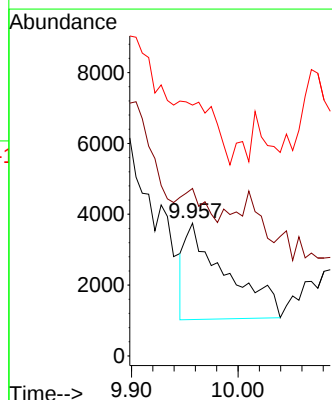
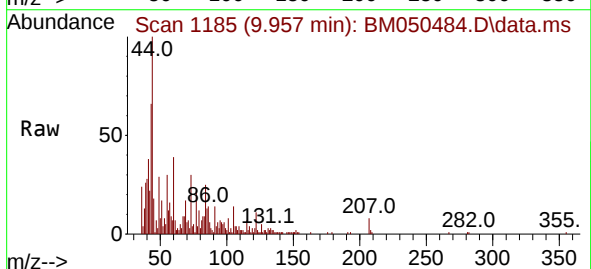
Delta R.T. 0.024 min

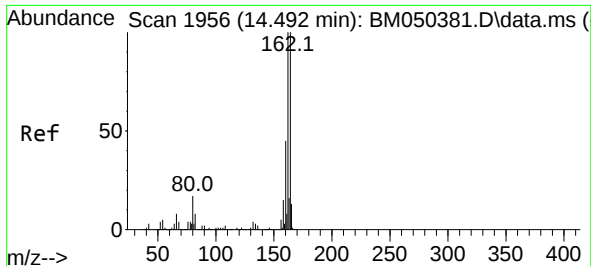
Lab File: BM050484.D

Acq: 22 Jul 2025 13:32

Tgt Ion:122 Resp: 7218

Ion	Ratio	Lower	Upper
122	100		
105	126.2	104.0	144.0
77	189.0	73.8	113.8#

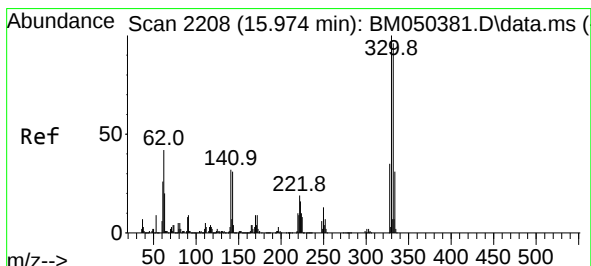
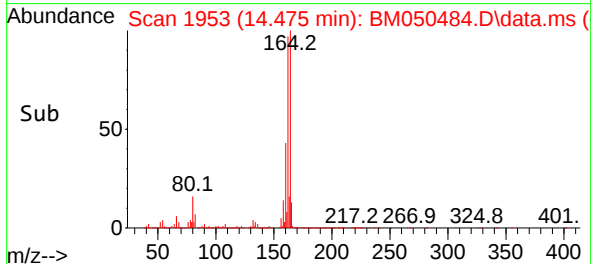
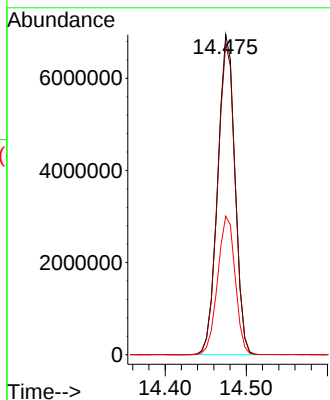
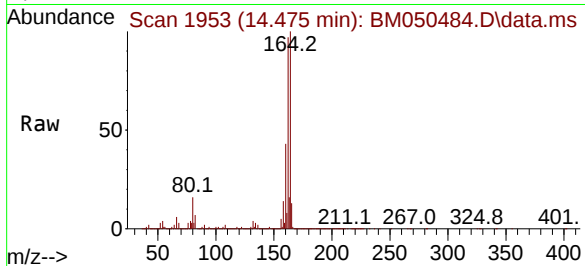




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.475 min Scan# 1953
Delta R.T. 0.000 min
Lab File: BM050484.D
Acq: 22 Jul 2025 13:32

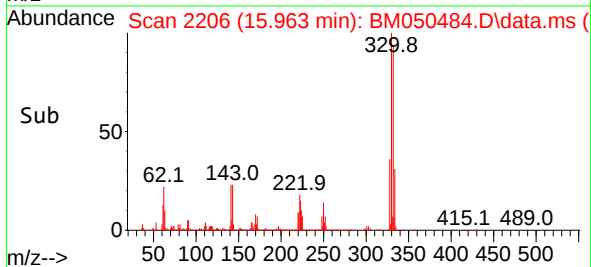
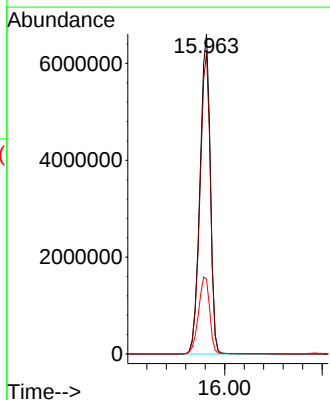
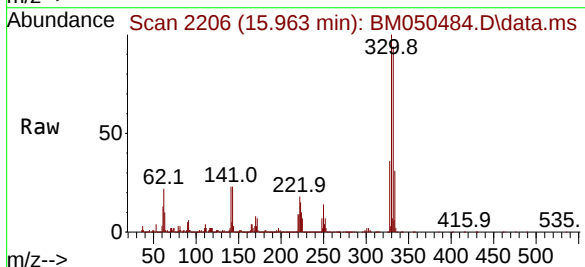
Instrument :
BNA_M
ClientSampleId :

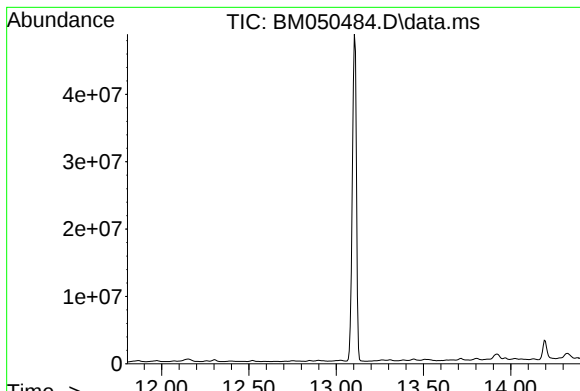
Tgt Ion:164 Resp:10256818
Ion Ratio Lower Upper
164 100
162 97.3 79.9 119.9
160 43.3 36.2 54.4



#42
2,4,6-Tribromophenol
Concen: 77.635 ng
RT: 15.963 min Scan# 2206
Delta R.T. 0.006 min
Lab File: BM050484.D
Acq: 22 Jul 2025 13:32

Tgt Ion:330 Resp: 9674983
Ion Ratio Lower Upper
330 100
332 94.9 76.9 115.3
141 25.8 27.4 41.0#



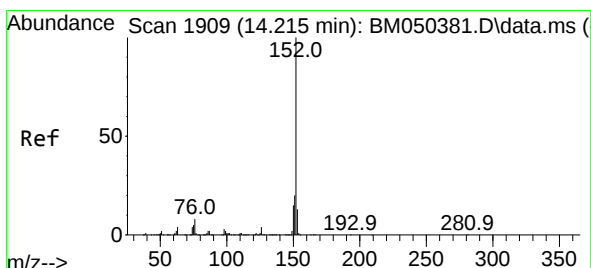
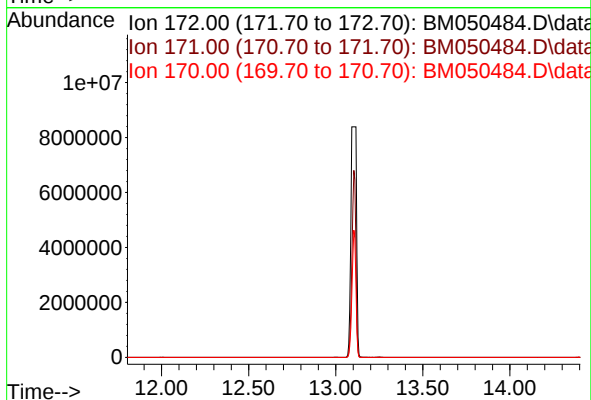


#45
 2-Fluorobiphenyl
 Concen: 0.000 ng
 Expected RT: 13.10 min
 Lab File: BM050484.D
 Acq: 22 Jul 2025 13:32

Instrument :
 BNA_M
 ClientSampleId :

Tgt Ion: 172

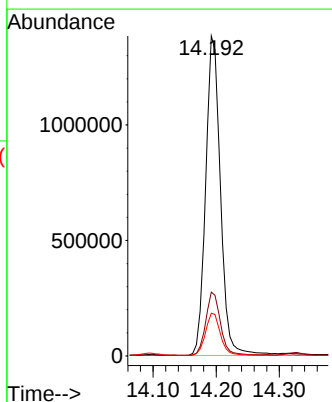
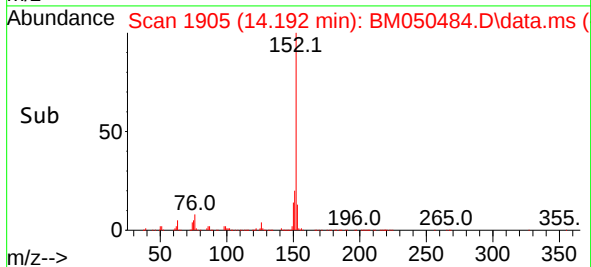
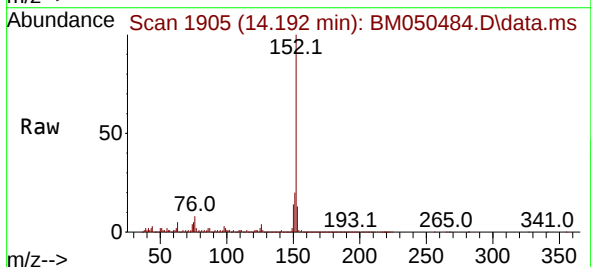
Sig	Exp Ratio
172	100
171	34.6
170	23.5

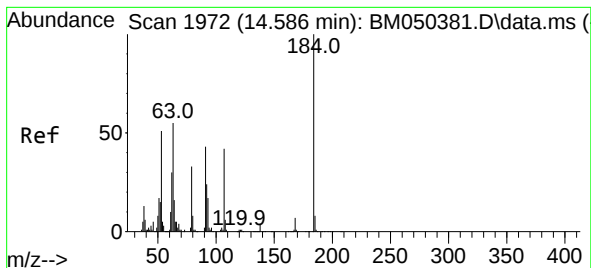


#49
 Acenaphthylene
 Concen: 2.457 ng
 RT: 14.192 min Scan# 1905
 Delta R.T. -0.006 min
 Lab File: BM050484.D
 Acq: 22 Jul 2025 13:32

Tgt Ion: 152 Resp: 2253344

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.3	24.5
153	13.4	10.6	15.8

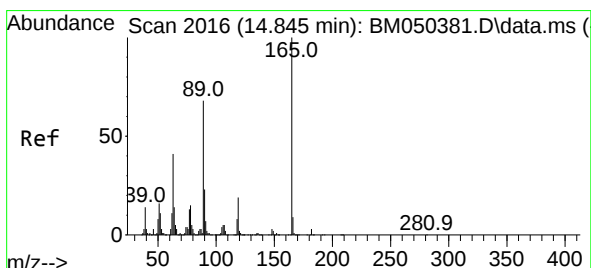
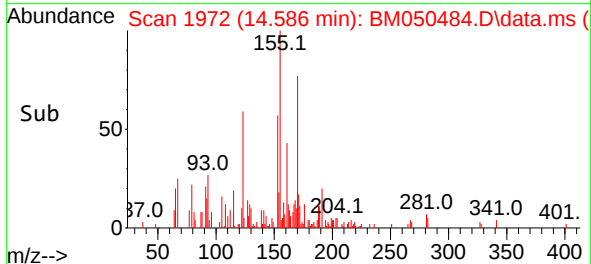
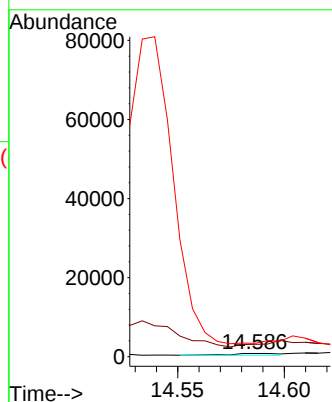
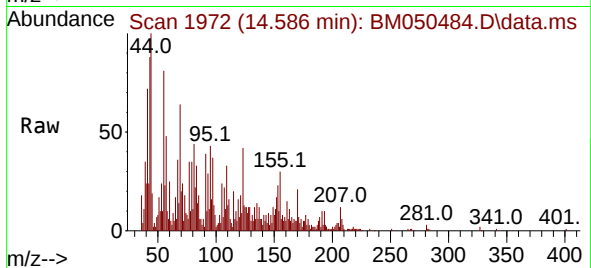




#54
2,4-Dinitrophenol
Concen: 6.416 ng
RT: 14.586 min Scan# 11
Delta R.T. 0.012 min
Lab File: BM050484.D
Acq: 22 Jul 2025 13:32

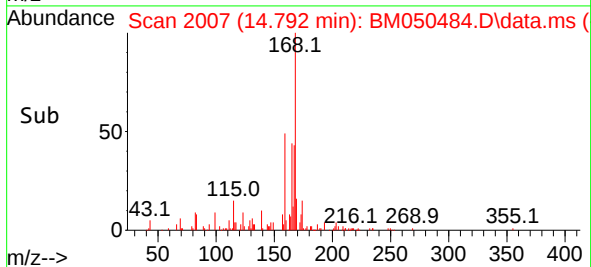
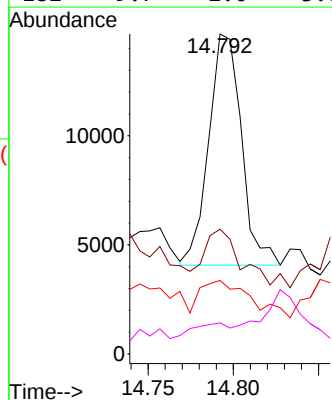
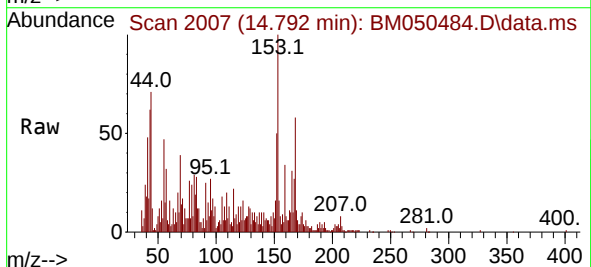
Instrument :
BNA_M
ClientSampleId :

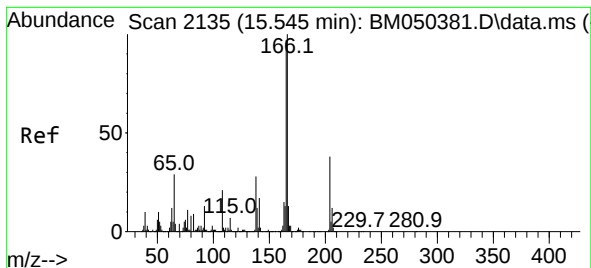
Tgt Ion:184 Resp: 732
Ion Ratio Lower Upper
184 100
63 382.9 53.4 80.0#
154 412.8 61.6 92.4#



#57
2,4-Dinitrotoluene
Concen: 2.790 ng
RT: 14.792 min Scan# 2007
Delta R.T. -0.035 min
Lab File: BM050484.D
Acq: 22 Jul 2025 13:32

Tgt Ion:165 Resp: 14169
Ion Ratio Lower Upper
165 100
63 39.0 32.5 48.7
89 23.0 54.0 81.0#
182 9.7 2.0 3.0#

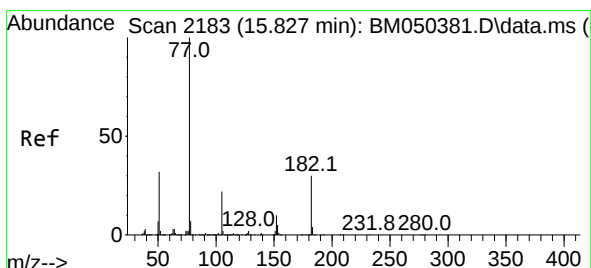
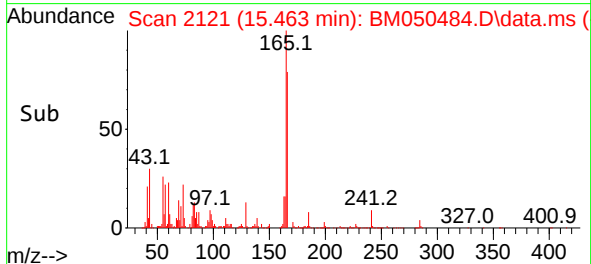
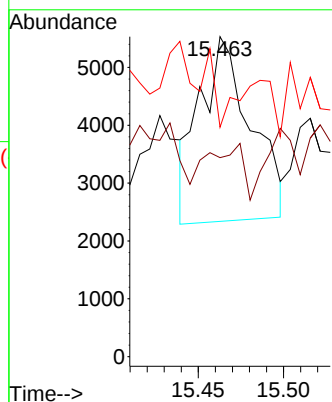
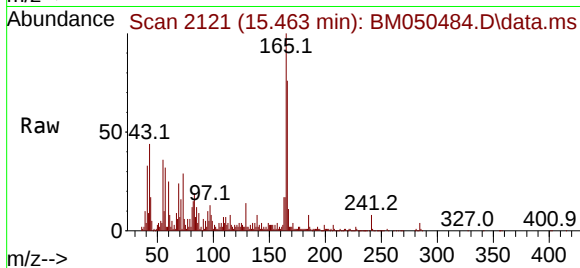




#62
4-Nitroaniline
Concen: 2.625 ng
RT: 15.463 min Scan# 2135
Delta R.T. -0.064 min
Lab File: BM050484.D
Acq: 22 Jul 2025 13:32

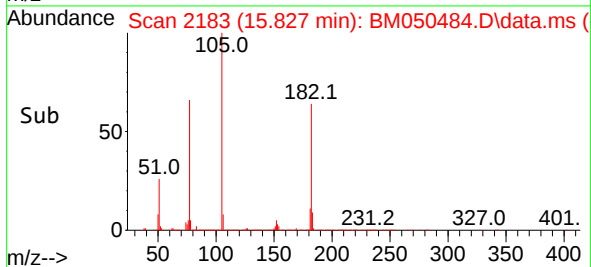
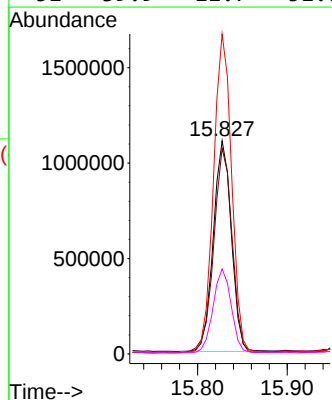
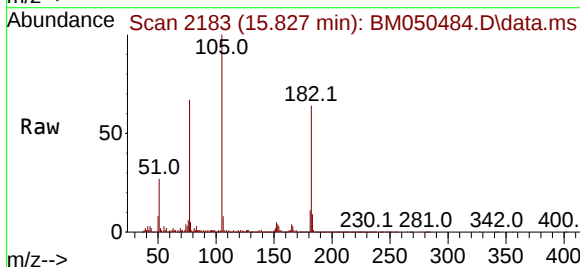
Instrument :
BNA_M
ClientSampleId :

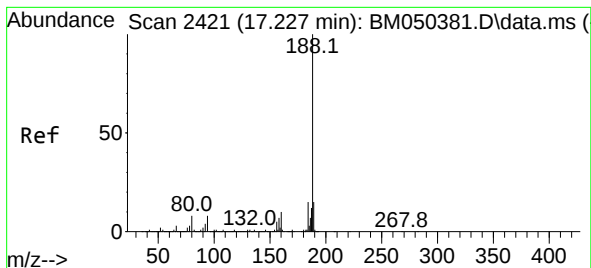
Tgt Ion:138 Resp: 6634
Ion Ratio Lower Upper
138 100
92 62.2 24.5 64.5
108 71.7 52.5 92.5



#63
Azobenzene
Concen: 2.487 ng
RT: 15.827 min Scan# 2183
Delta R.T. 0.024 min
Lab File: BM050484.D
Acq: 22 Jul 2025 13:32

Tgt Ion: 77 Resp: 1540578
Ion Ratio Lower Upper
77 100
182 96.4 10.0 50.0#
105 150.1 2.0 42.0#
51 39.9 11.7 51.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.204 min Scan# 24

Delta R.T. -0.006 min

Lab File: BM050484.D

Acq: 22 Jul 2025 13:32

Instrument :

BNA_M

ClientSampleId :

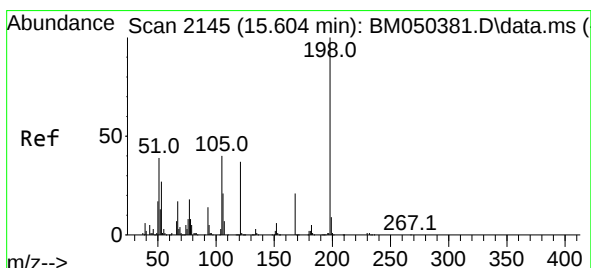
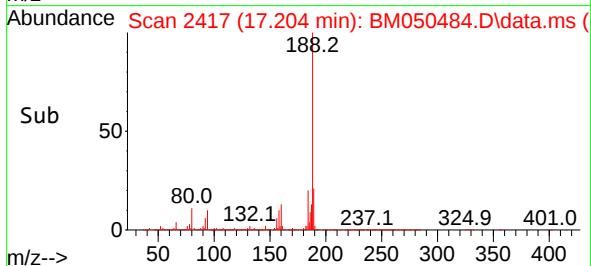
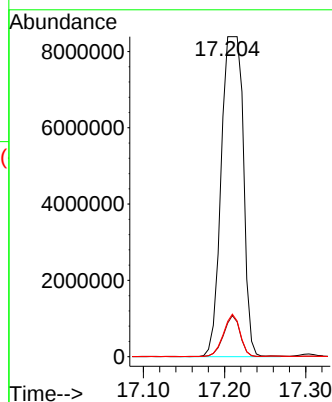
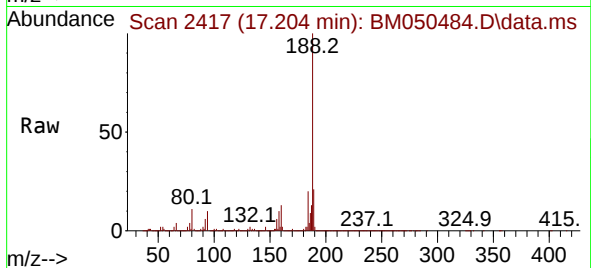
Tgt Ion:188 Resp:15774321

Ion Ratio Lower Upper

188 100

94 10.5 6.0 9.0#

80 11.1 6.5 9.7#



#65

4,6-Dinitro-2-methylphenol

Concen: 6.308 ng

RT: 15.569 min Scan# 2139

Delta R.T. -0.017 min

Lab File: BM050484.D

Acq: 22 Jul 2025 13:32

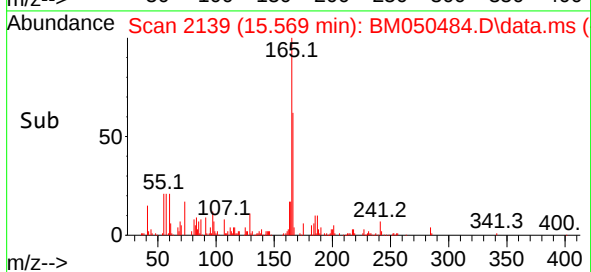
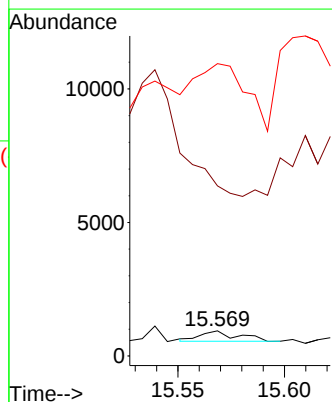
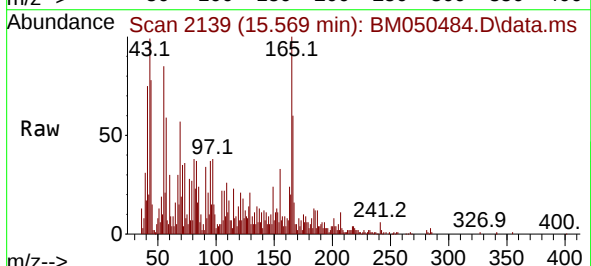
Tgt Ion:198 Resp: 463

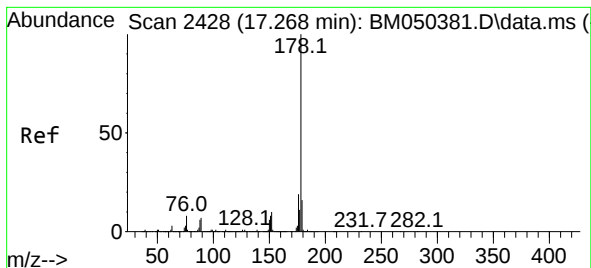
Ion Ratio Lower Upper

198 100

51 677.3 26.6 66.6#

105 1163.2 20.9 60.9#





#71

Phenanthrene

Concen: 2.485 ng

RT: 17.251 min Scan# 2425

Delta R.T. 0.000 min

Lab File: BM050484.D

Acq: 22 Jul 2025 13:32

Instrument :

BNA_M

ClientSampleId :

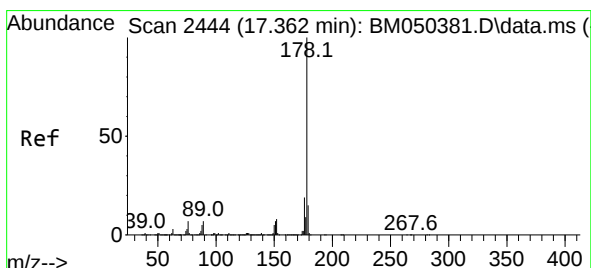
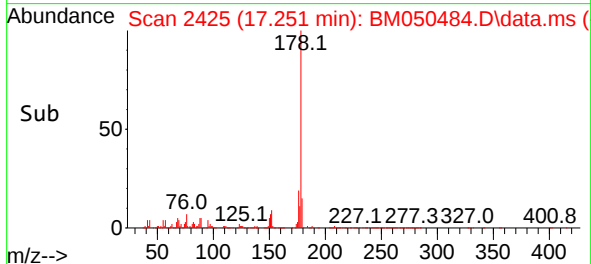
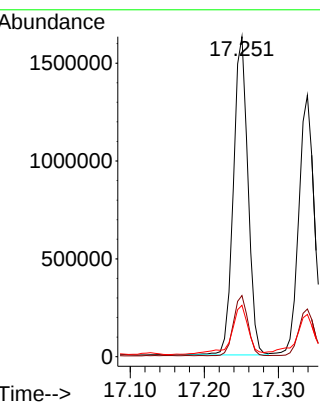
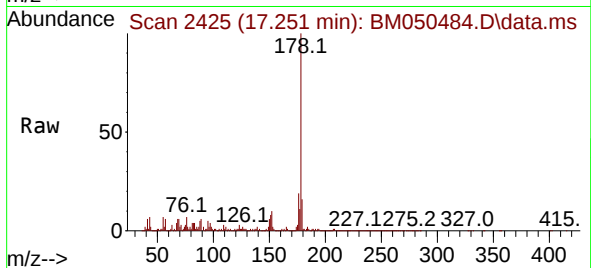
Tgt Ion:178 Resp: 2218477

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.0

179 16.0 12.5 18.7



#72

Anthracene

Concen: 2.145 ng

RT: 17.339 min Scan# 2440

Delta R.T. 0.000 min

Lab File: BM050484.D

Acq: 22 Jul 2025 13:32

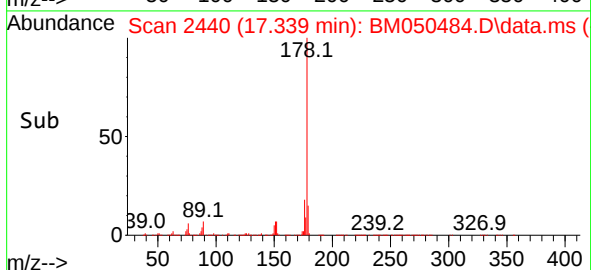
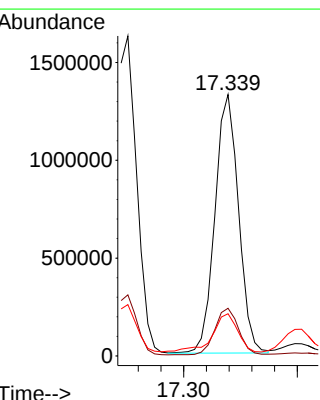
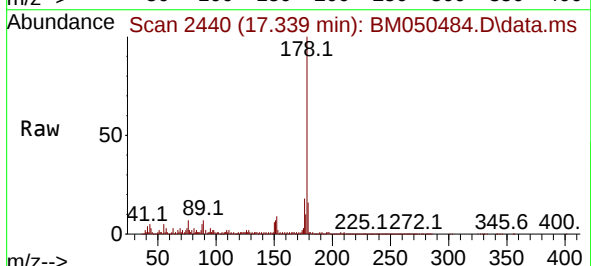
Tgt Ion:178 Resp: 1905695

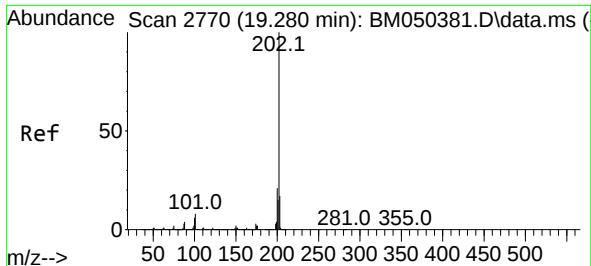
Ion Ratio Lower Upper

178 100

176 18.2 14.9 22.3

179 16.2 12.2 18.4

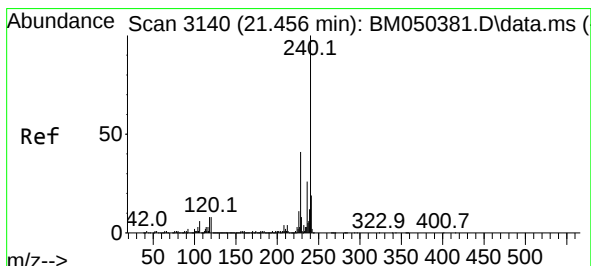
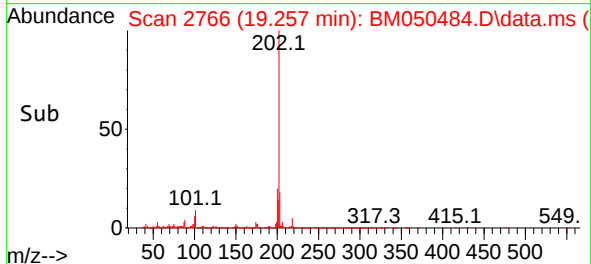
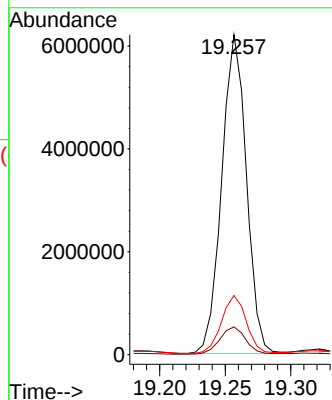
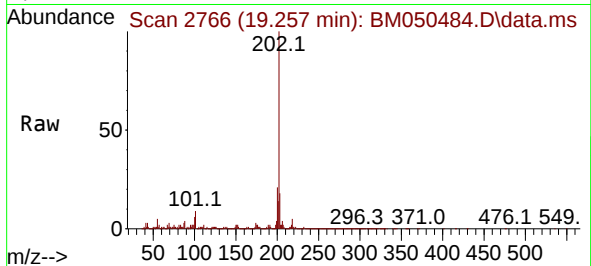




#75
Fluoranthene
Concen: 8.345 ng
RT: 19.257 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM050484.D
Acq: 22 Jul 2025 13:32

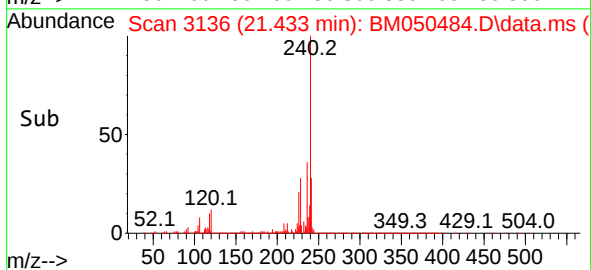
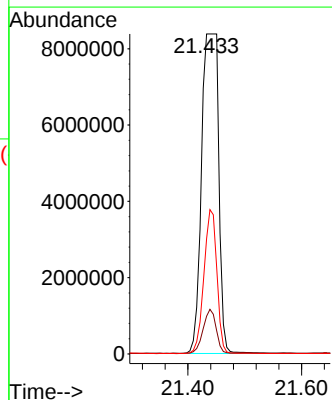
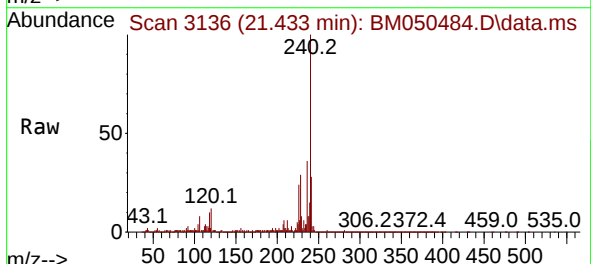
Instrument :
BNA_M
ClientSampleId :

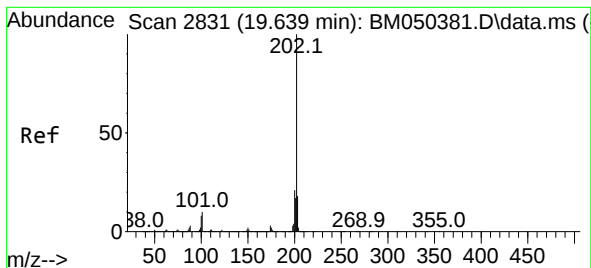
Tgt Ion:202 Resp: 8098023
Ion Ratio Lower Upper
202 100
101 8.7 0.0 28.3
203 18.5 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.433 min Scan# 3136
Delta R.T. 0.000 min
Lab File: BM050484.D
Acq: 22 Jul 2025 13:32

Tgt Ion:240 Resp:17541324
Ion Ratio Lower Upper
240 100
120 11.8 6.7 10.1#
236 36.1 20.7 31.1#





#78

Pyrene

Concen: 8.940 ng

RT: 19.621 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM050484.D

Acq: 22 Jul 2025 13:32

Instrument :

BNA_M

ClientSampleId :

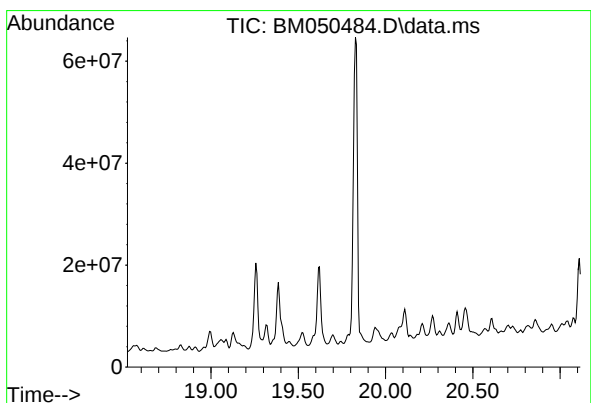
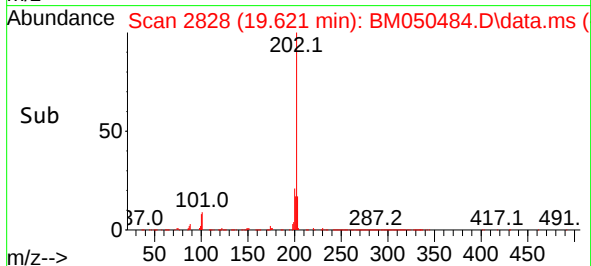
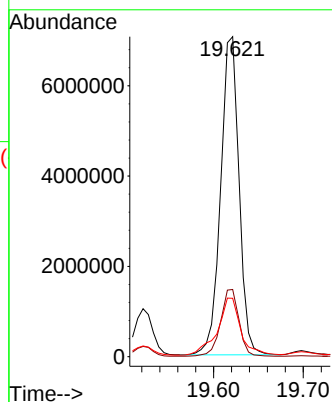
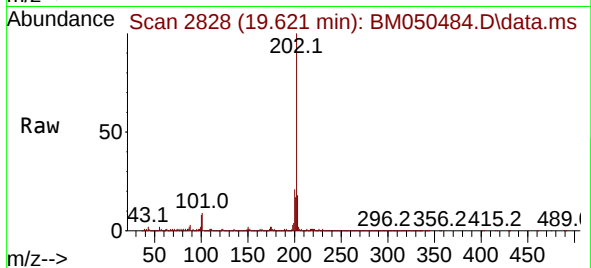
Tgt Ion:202 Resp:10043173

Ion Ratio Lower Upper

202 100

200 21.0 16.9 25.3

203 18.3 14.1 21.1



#79

Terphenyl-d14

Concen: 0.000 ng

Expected RT: 19.82 min

Lab File: BM050484.D

Acq: 22 Jul 2025 13:32

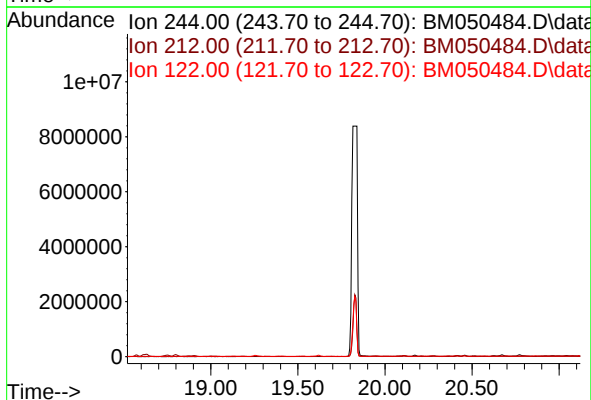
Tgt Ion: 244

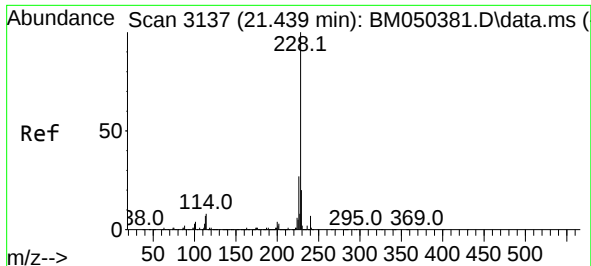
Sig Exp Ratio

244 100

212 7.1

122 7.7

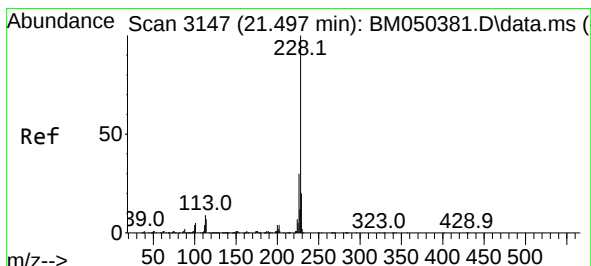
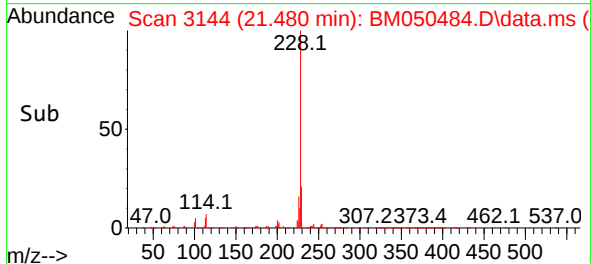
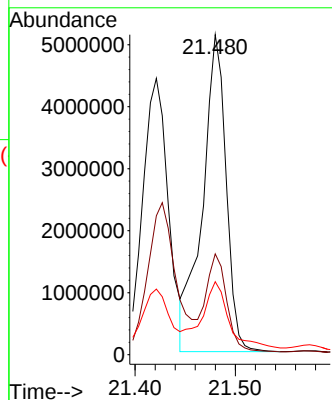
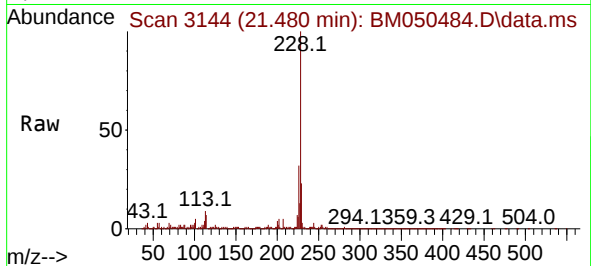




#81
Benzo(a)anthracene
Concen: 7.357 ng
RT: 21.480 min Scan# 3144
Delta R.T. 0.065 min
Lab File: BM050484.D
Acq: 22 Jul 2025 13:32

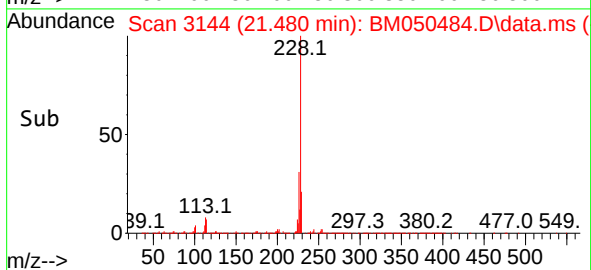
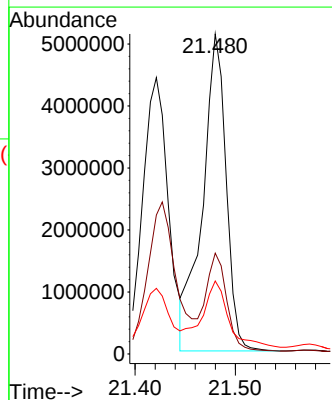
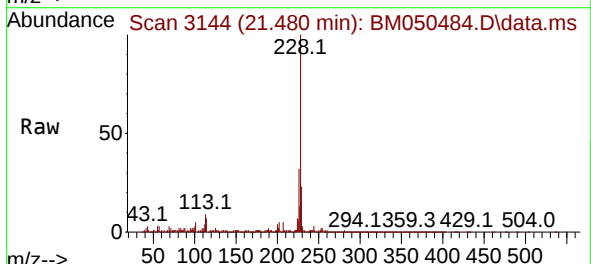
Instrument :
BNA_M
ClientSampleId :

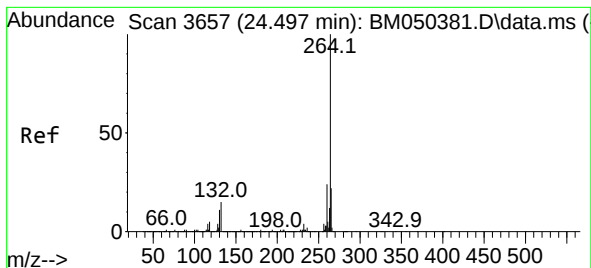
Tgt Ion:228 Resp: 8409152
Ion Ratio Lower Upper
228 100
226 31.5 21.8 32.8
229 22.8 16.0 24.0



#83
Chrysene
Concen: 7.800 ng
RT: 21.480 min Scan# 3144
Delta R.T. 0.000 min
Lab File: BM050484.D
Acq: 22 Jul 2025 13:32

Tgt Ion:228 Resp: 8409152
Ion Ratio Lower Upper
228 100
226 31.5 24.2 36.4
229 22.8 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.480 min Scan# 3

Delta R.T. 0.024 min

Lab File: BM050484.D

Acq: 22 Jul 2025 13:32

Instrument :

BNA_M

ClientSampleId :

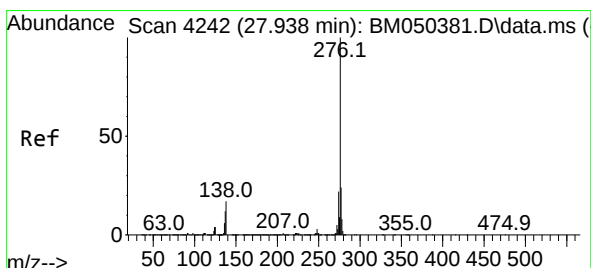
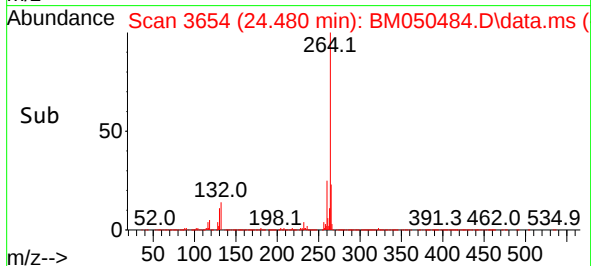
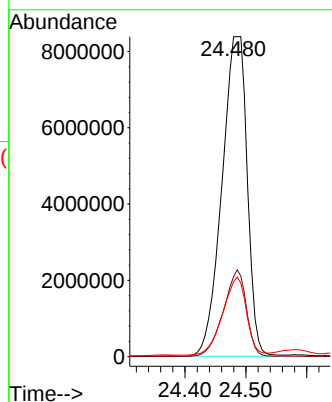
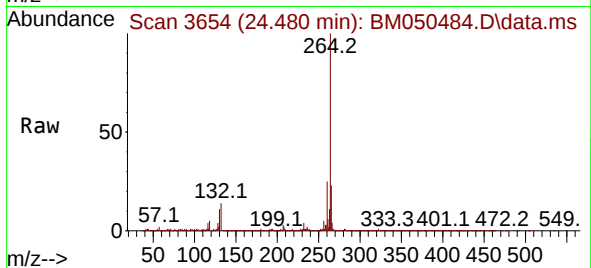
Tgt Ion:264 Resp:24155417

Ion Ratio Lower Upper

264 100

260 25.1 19.2 28.8

265 23.5 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.371 ng

RT: 27.903 min Scan# 4236

Delta R.T. 0.024 min

Lab File: BM050484.D

Acq: 22 Jul 2025 13:32

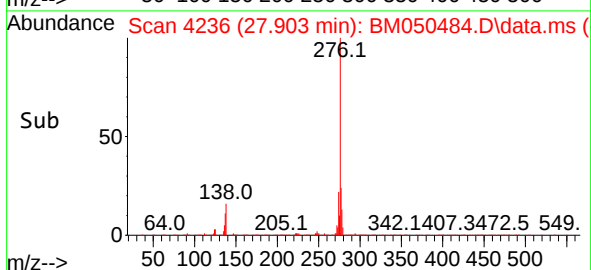
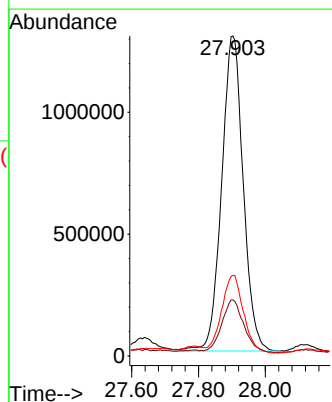
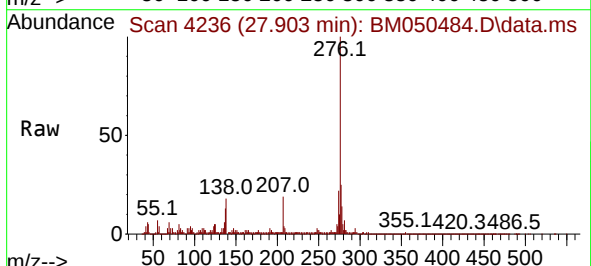
Tgt Ion:276 Resp: 5789995

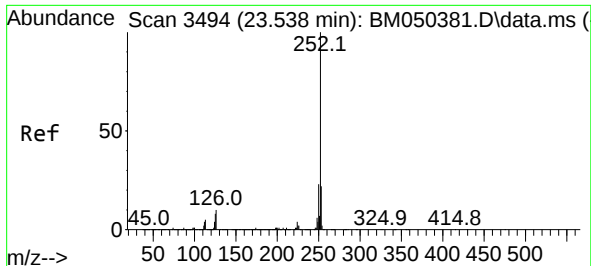
Ion Ratio Lower Upper

276 100

138 17.4 17.0 25.6

277 25.0 20.0 30.0

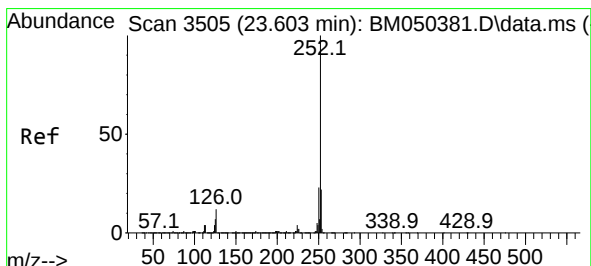
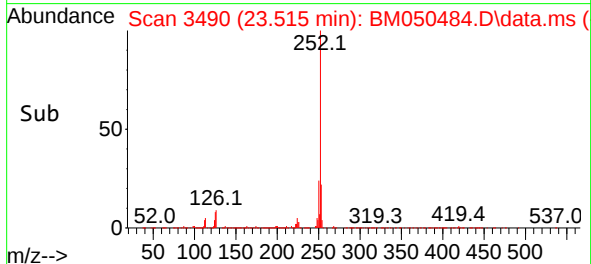
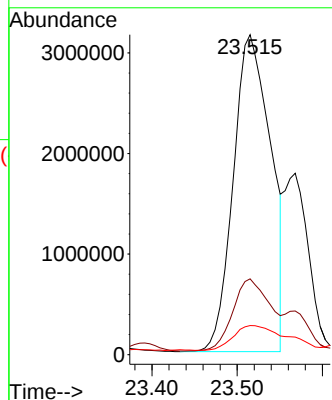
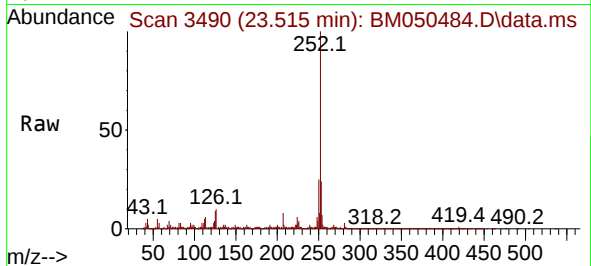




#88
Benzo(b)fluoranthene
Concen: 6.472 ng
RT: 23.515 min Scan# 3490
Delta R.T. 0.012 min
Lab File: BM050484.D
Acq: 22 Jul 2025 13:32

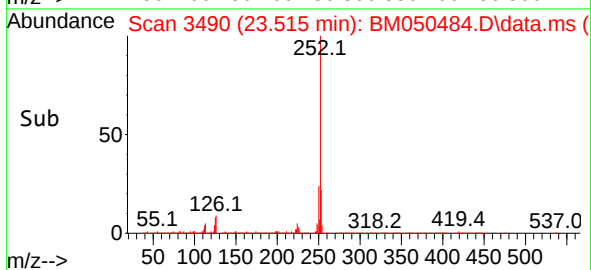
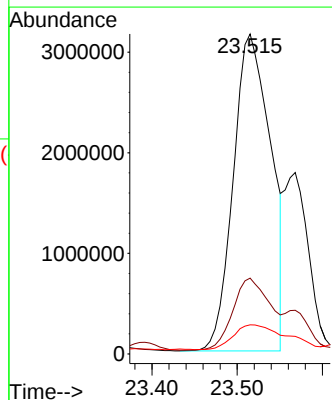
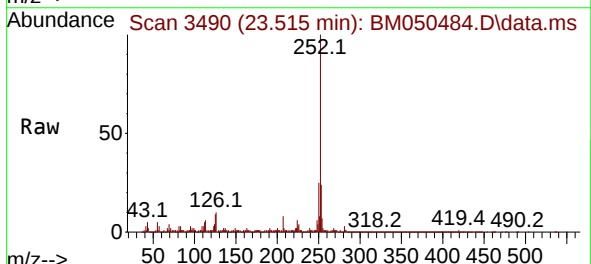
Instrument :
BNA_M
ClientSampleId :

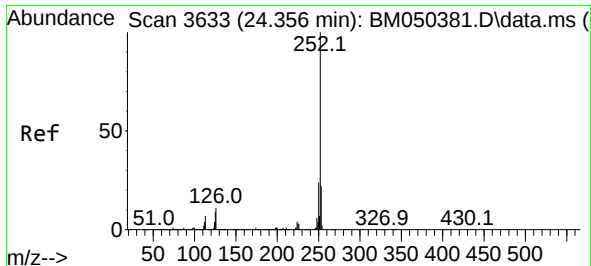
Tgt Ion:252 Resp: 9615956
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.6
125 9.1 6.3 9.5



#89
Benzo(k)fluoranthene
Concen: 6.237 ng
RT: 23.515 min Scan# 3490
Delta R.T. -0.053 min
Lab File: BM050484.D
Acq: 22 Jul 2025 13:32

Tgt Ion:252 Resp: 9615956
Ion Ratio Lower Upper
252 100
253 23.7 17.6 26.4
125 9.1 6.2 9.2

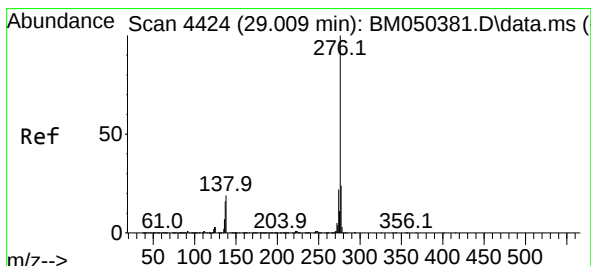
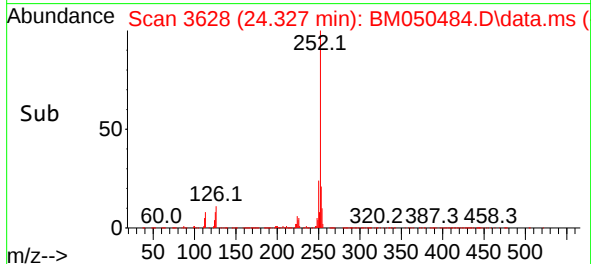
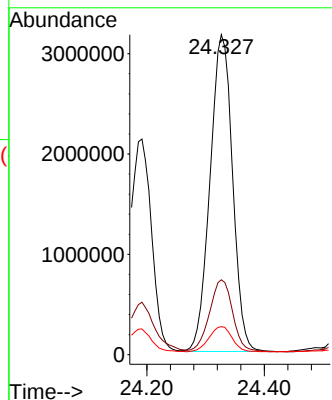
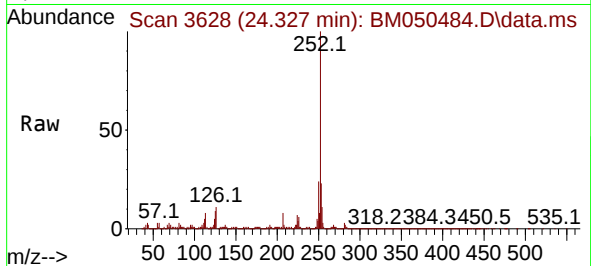




#90
Benzo(a)pyrene
Concen: 6.042 ng
RT: 24.327 min Scan# 30
Delta R.T. 0.012 min
Lab File: BM050484.D
Acq: 22 Jul 2025 13:32

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:252 Resp: 8403065
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.6
125 8.8 7.0 10.4



#92
Benzo(g,h,i)perylene
Concen: 4.352 ng
RT: 28.985 min Scan# 4420
Delta R.T. 0.041 min
Lab File: BM050484.D
Acq: 22 Jul 2025 13:32

Tgt Ion:276 Resp: 5949542
Ion Ratio Lower Upper
276 100
277 24.6 19.1 28.7
138 17.7 14.9 22.3

