

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 :
 OU4-TS-36-071725

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)

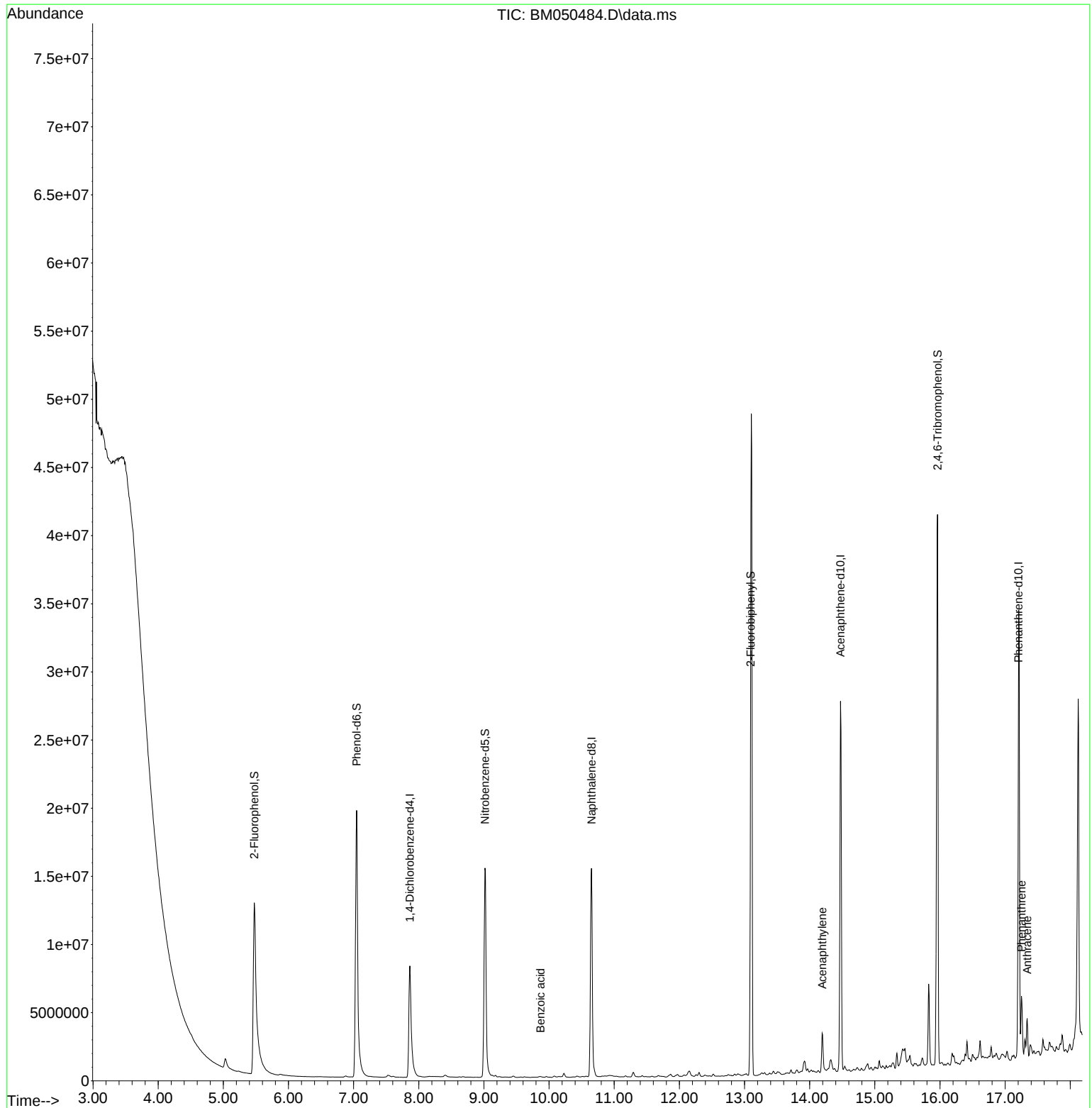
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	3943642	20.000	ng	0.01
21) Naphthalene-d8	10.651	136	15144240	20.000	ng	0.01
39) Acenaphthene-d10	14.475	164	10256818	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	15774321	20.000	ng	# 0.00
76) Chrysene-d12	21.433	240	17541324	20.000	ng	# 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	13.092	172	18913904m	22.773	ng	-0.01
79) Terphenyl-d14	19.815	244	18562404m	18.619	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	9.869	122	63557m	6.369	ng	
49) Acenaphthylene	14.192	152	2253344	2.457	ng	99
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	21.421	228	7946520m	6.953	ng	
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	23.568	252	3602374m	2.337	ng	
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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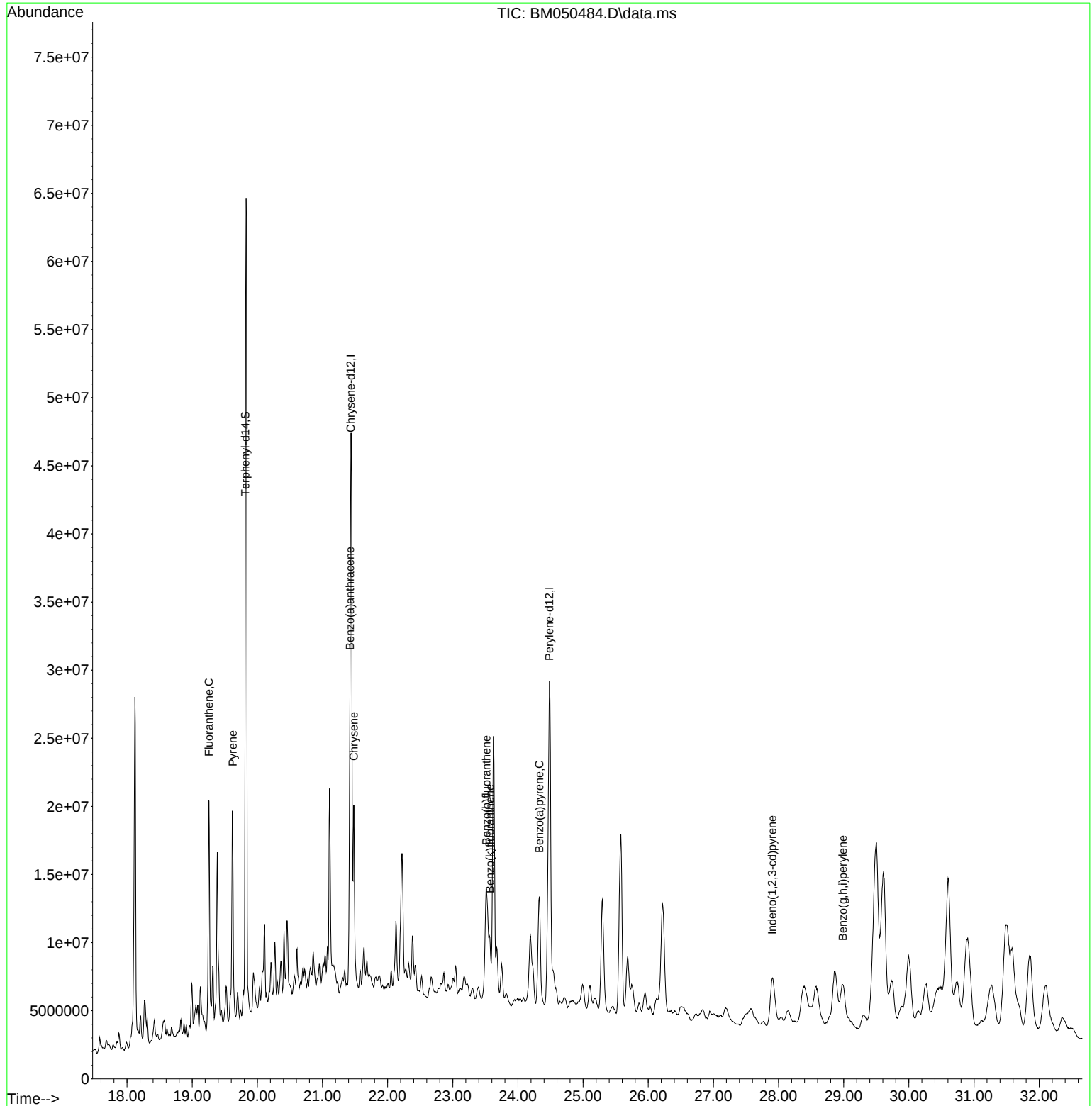
Quant Time: Jul 22 14:11:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 16:20:15 2025
Response via : Initial Calibration

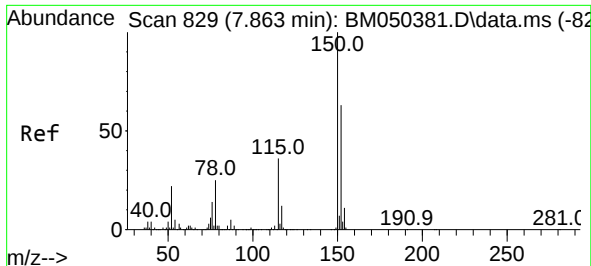


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072225\
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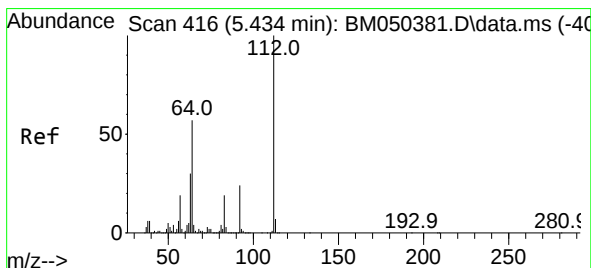
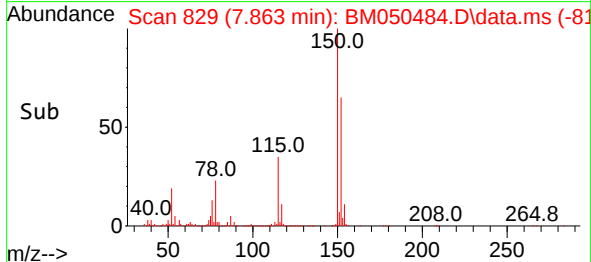
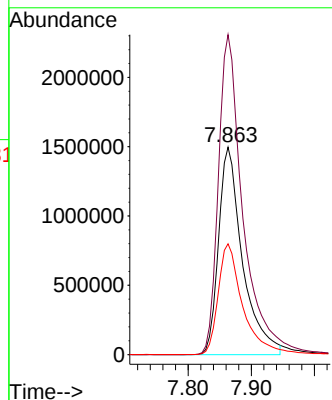
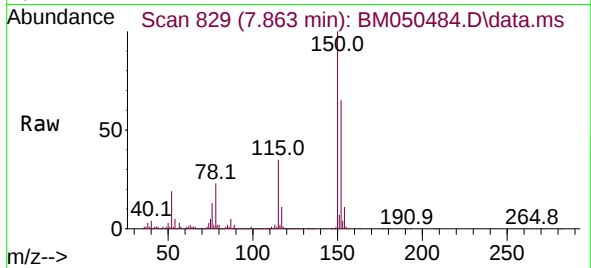


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.863 min Scan# 81
 Delta R.T. 0.012 min
 Lab File: BM050484.D
 Acq: 22 Jul 2025 13:32

Instrument :
 BNA_M
 ClientSampleId :
 OU4-TS-36-071725

Tgt Ion:152 Resp: 3943642

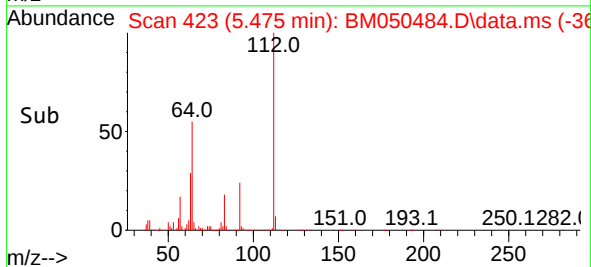
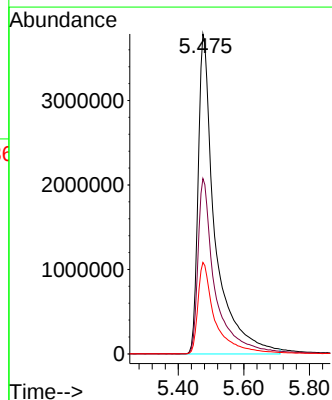
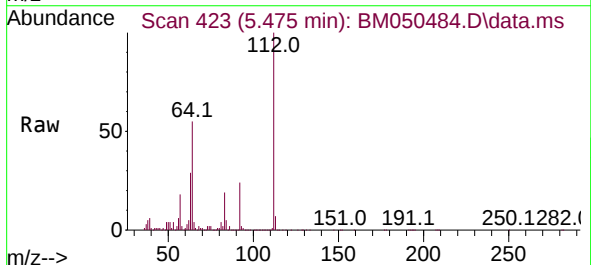
Ion	Ratio	Lower	Upper
152	100		
150	154.3	126.2	189.4
115	53.4	45.8	68.8

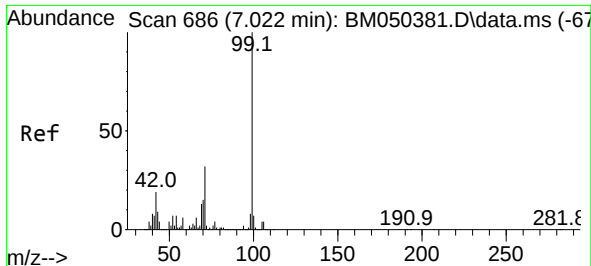


#5
 2-Fluorophenol
 Concen: 59.074 ng
 RT: 5.475 min Scan# 423
 Delta R.T. 0.047 min
 Lab File: BM050484.D
 Acq: 22 Jul 2025 13:32

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



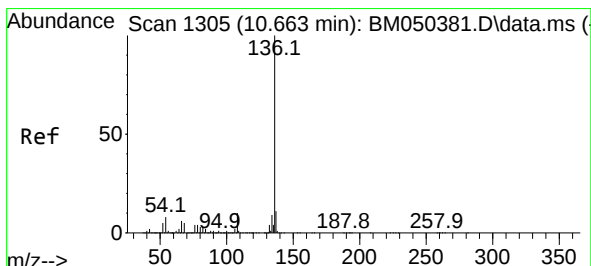
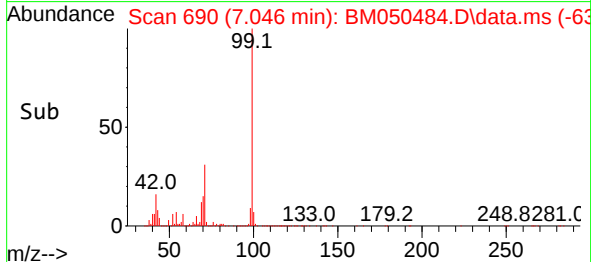
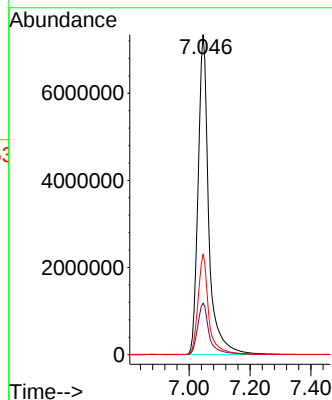
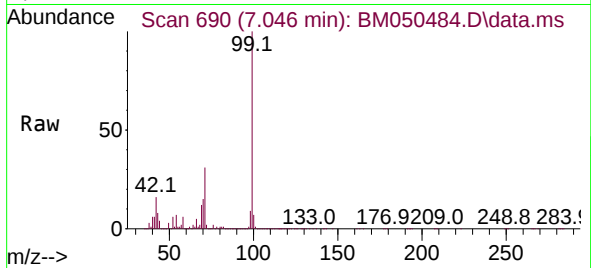


#7
Phenol-d6
Concen: 61.860 ng
RT: 7.046 min Scan# 691
Delta R.T. 0.036 min
Lab File: BM050484.D
Acq: 22 Jul 2025 13:32

Instrument :
BNA_M
ClientSampleId :
OU4-TS-36-071725

Tgt Ion: 99 Resp:17866005

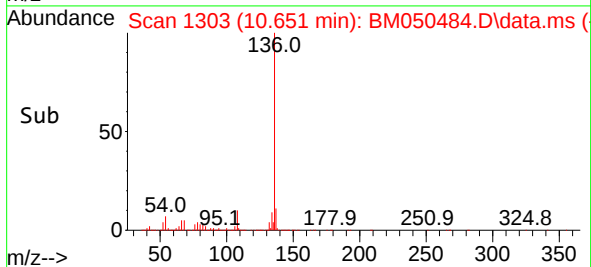
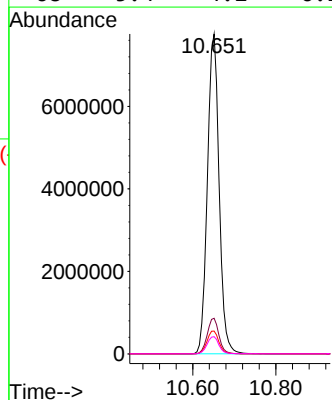
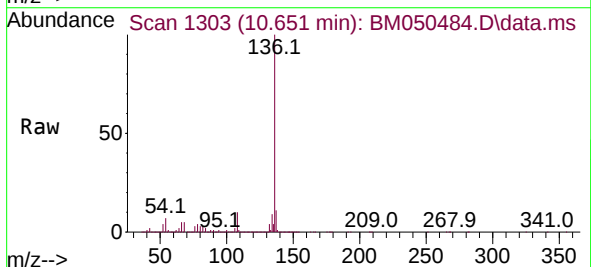
Ion	Ratio	Lower	Upper
99	100		
42	16.0	15.0	22.6
71	31.3	25.9	38.9

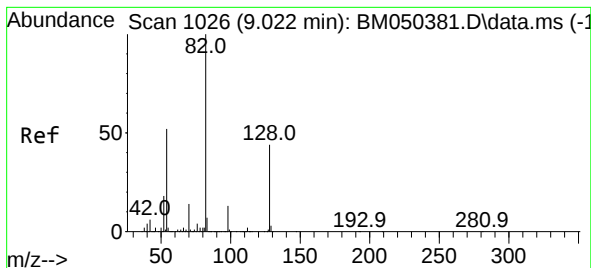


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.651 min Scan# 1303
Delta R.T. 0.012 min
Lab File: BM050484.D
Acq: 22 Jul 2025 13:32

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# 10

Delta R.T. 0.012 min

Lab File: BM050484.D

Acq: 22 Jul 2025 13:32

Instrument :

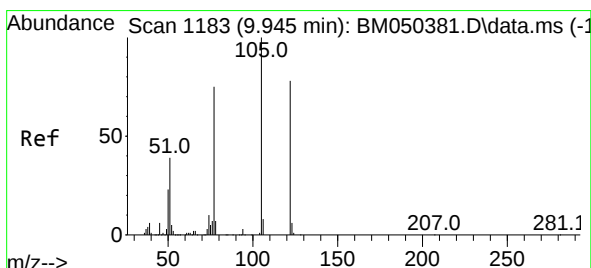
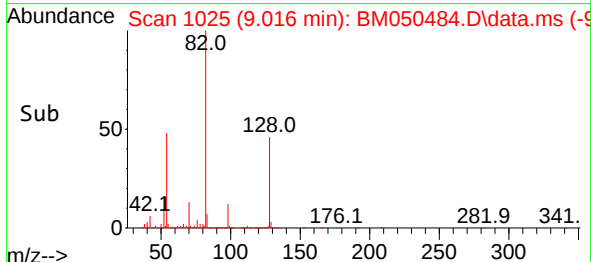
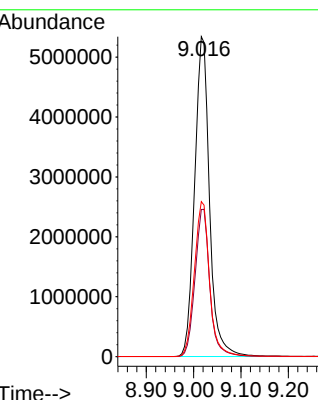
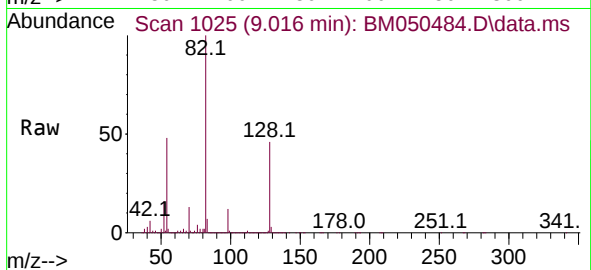
BNA_M

ClientSampleId :

OU4-TS-36-071725

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: 6.369 ng m

RT: 9.869 min Scan# 1170

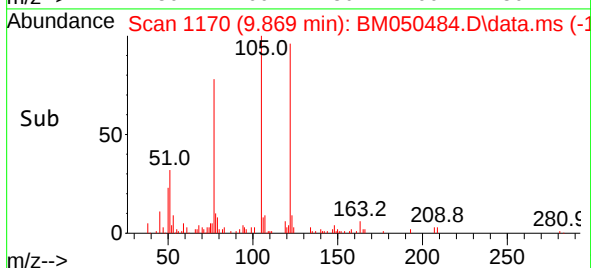
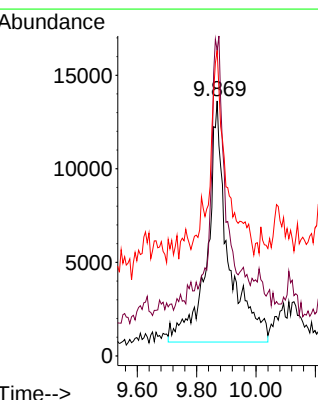
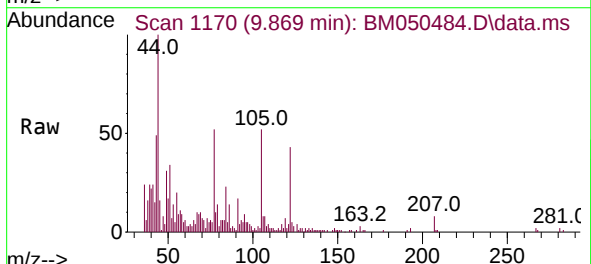
Delta R.T. -0.064 min

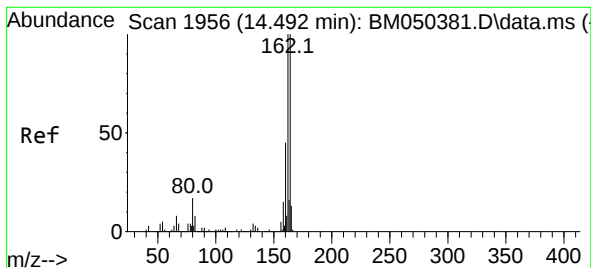
Lab File: BM050484.D

Acq: 22 Jul 2025 13:32

Tgt Ion:122 Resp: 63557

Ion	Ratio	Lower	Upper
122	100		
105	119.8	104.0	144.0
77	119.8	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 :

OU4-TS-36-071725

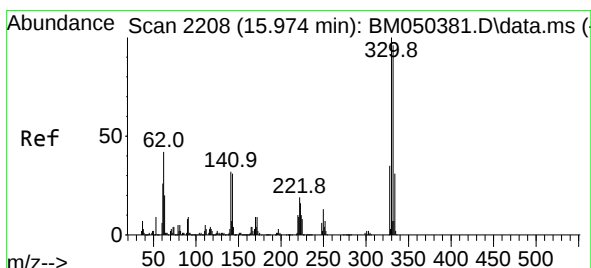
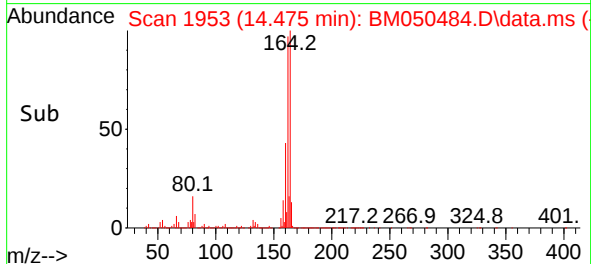
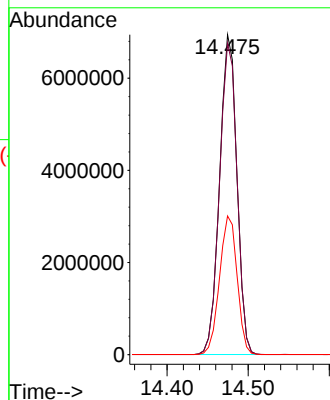
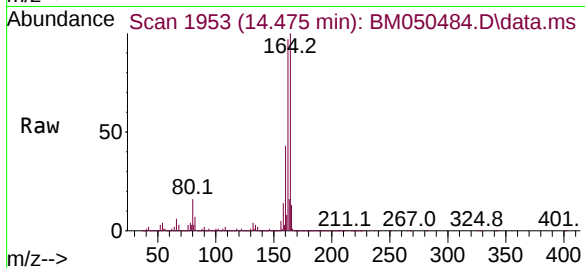
Tgt Ion:164 Resp:10256818

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

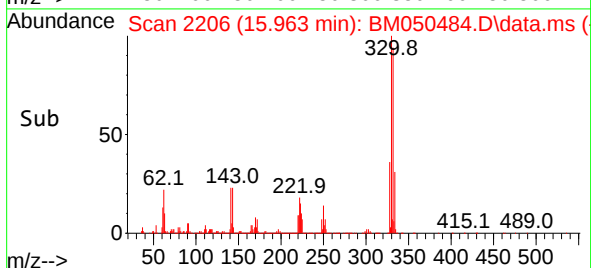
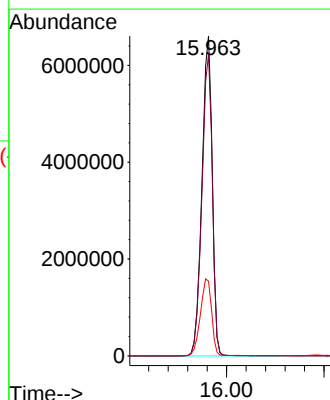
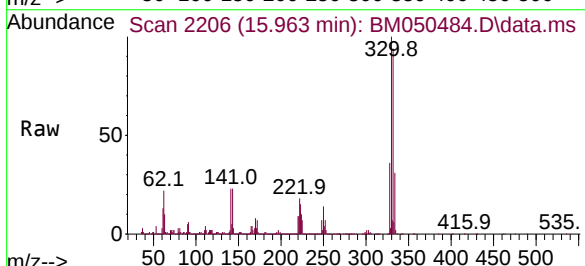
Tgt Ion:330 Resp: 9674983

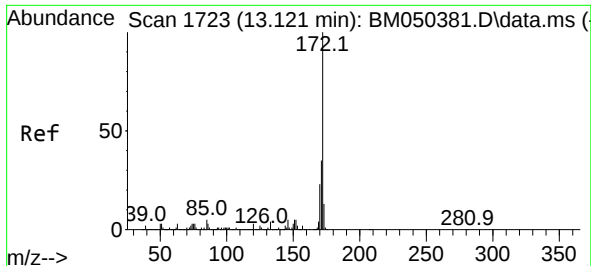
Ion Ratio Lower Upper

330 100

332 94.9 76.9 115.3

141 25.8 27.4 41.0#

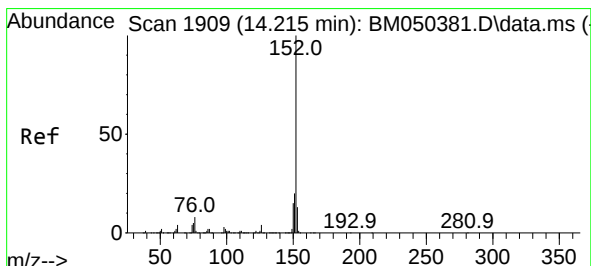
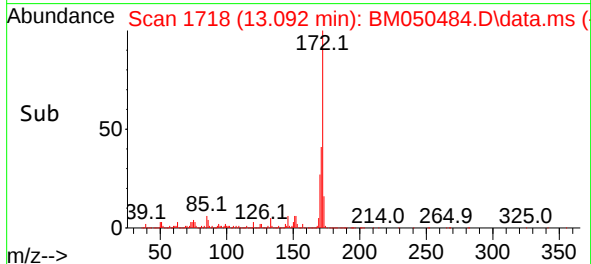
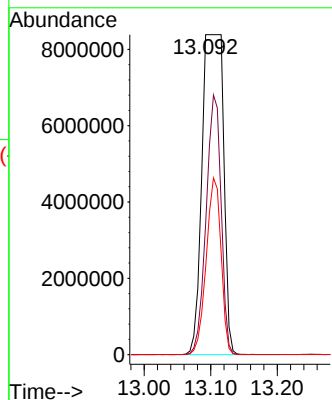
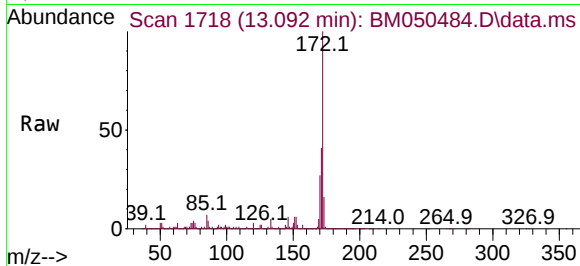




#45
2-Fluorobiphenyl
Concen: 22.773 ng m
RT: 13.092 min Scan# 1718
Delta R.T. -0.012 min
Lab File: BM050484.D
Acq: 22 Jul 2025 13:32

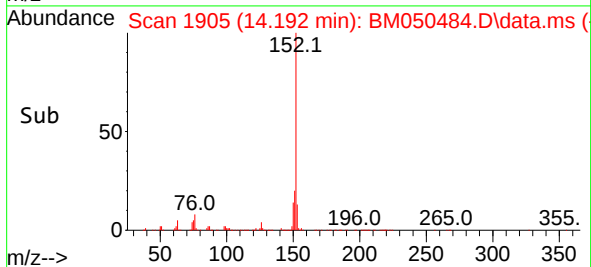
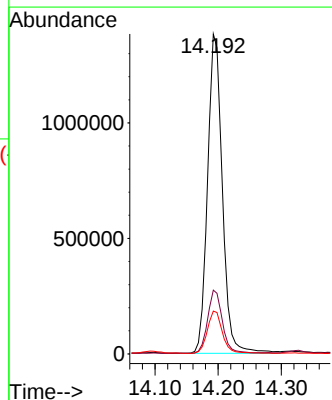
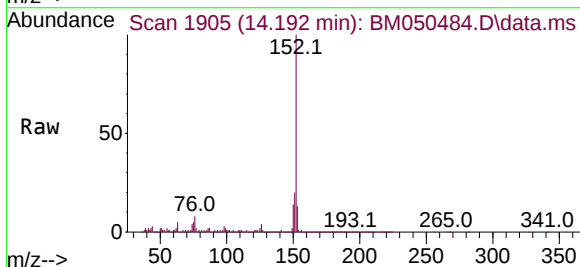
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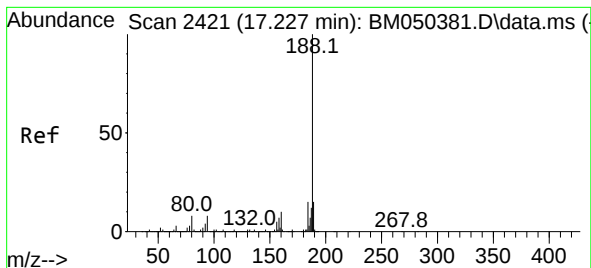
Tgt Ion:172 Resp:18913904
Ion Ratio Lower Upper
172 100
171 40.8 27.7 41.5
170 27.2 18.8 28.2



#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





#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 :

OU4-TS-36-071725

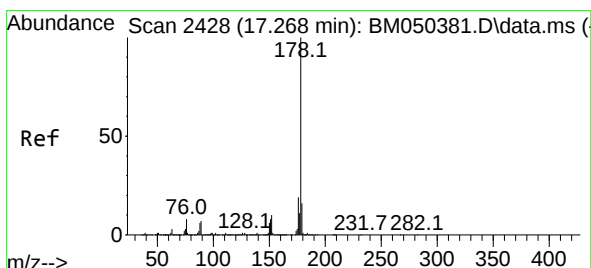
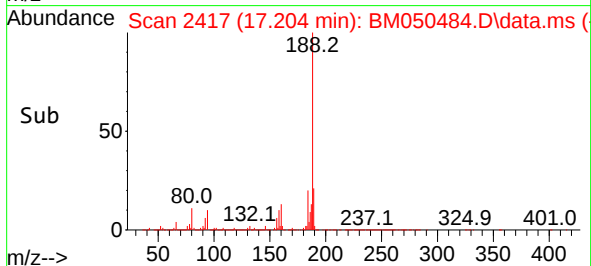
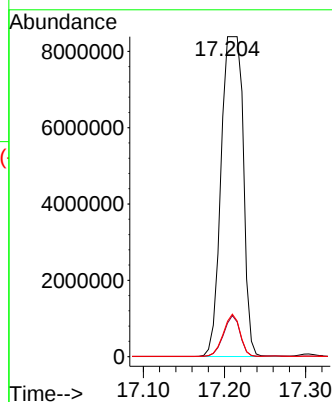
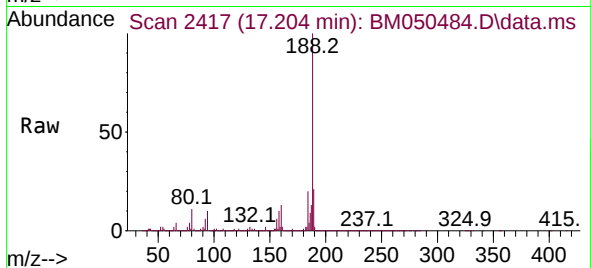
Tgt Ion:188 Resp:15774321

Ion Ratio Lower Upper

188 100

94 10.5 6.0 9.0#

80 11.1 6.5 9.7#



#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

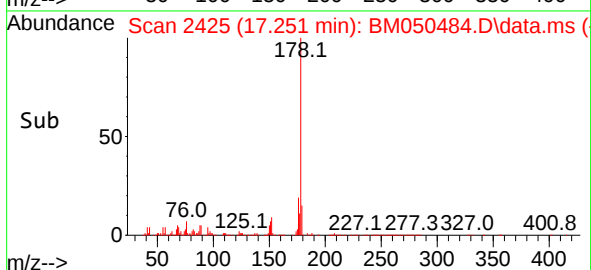
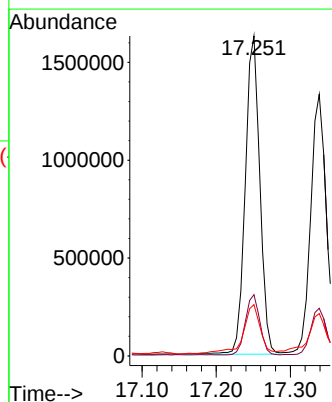
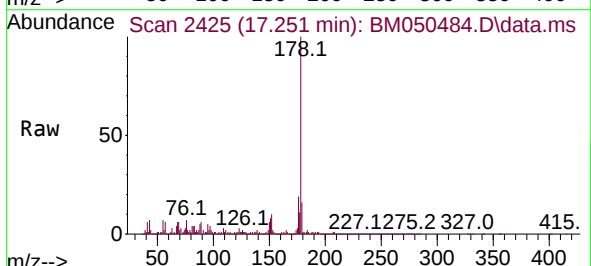
Tgt Ion:178 Resp: 2218477

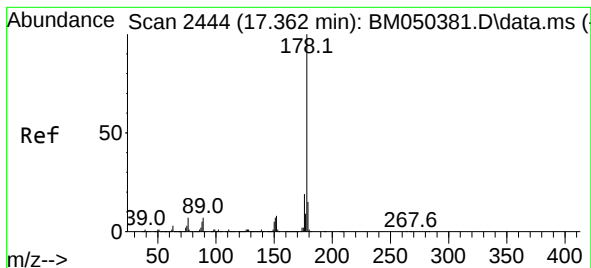
Ion Ratio Lower Upper

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# 24

Delta R.T. 0.000 min

Lab File: BM050484.D

Acq: 22 Jul 2025 13:32

Instrument :

BNA_M

ClientSampleId :

OU4-TS-36-071725

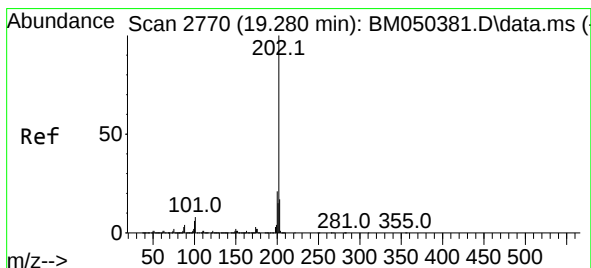
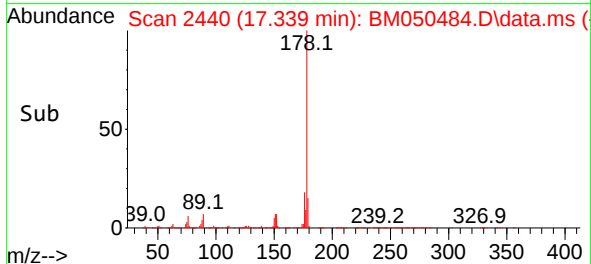
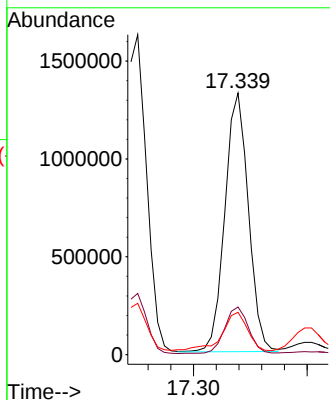
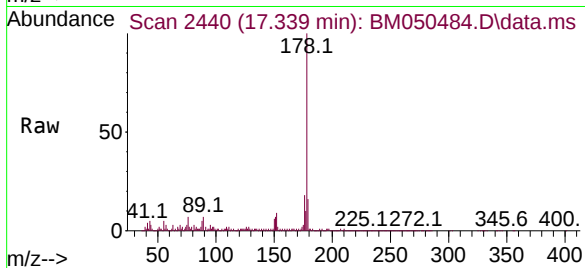
Tgt Ion:178 Resp: 1905695

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# 2766

Delta R.T. 0.000 min

Lab File: BM050484.D

Acq: 22 Jul 2025 13:32

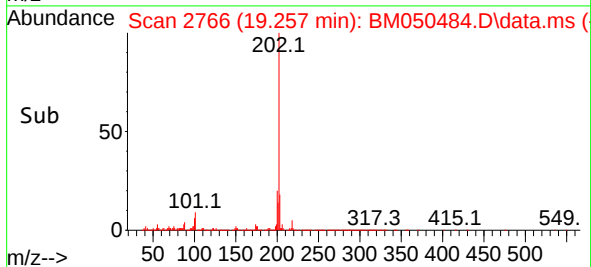
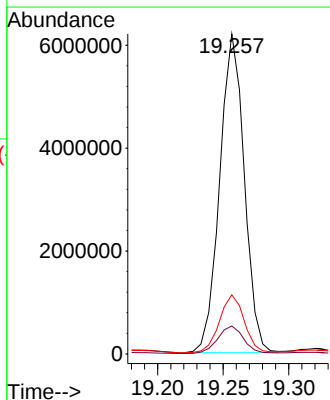
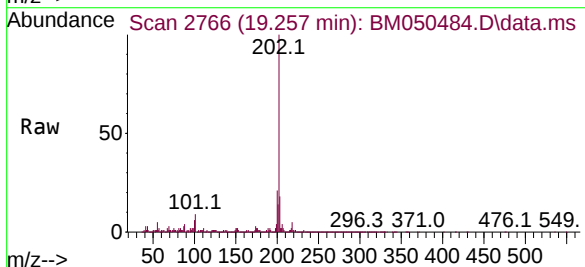
Tgt Ion:202 Resp: 8098023

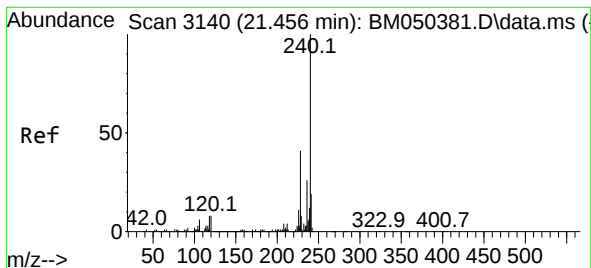
Ion Ratio Lower Upper

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# 31

Delta R.T. 0.000 min

Lab File: BM050484.D

Acq: 22 Jul 2025 13:32

Instrument :

BNA_M

ClientSampleId :

OU4-TS-36-071725

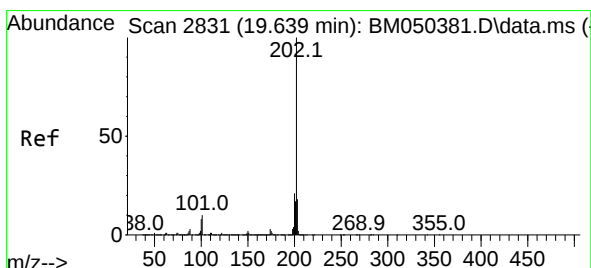
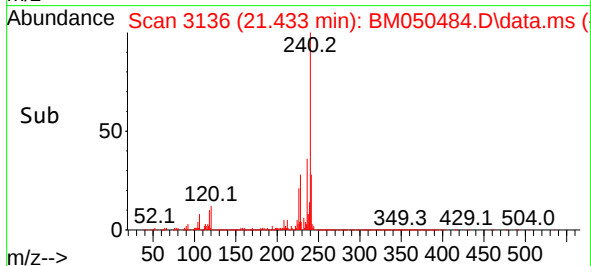
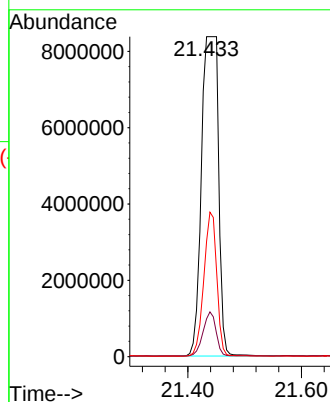
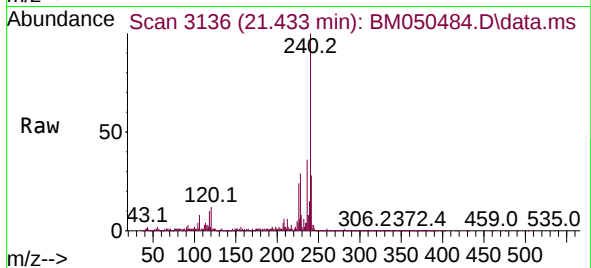
Tgt Ion:240 Resp:17541324

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# 2828

Delta R.T. 0.006 min

Lab File: BM050484.D

Acq: 22 Jul 2025 13:32

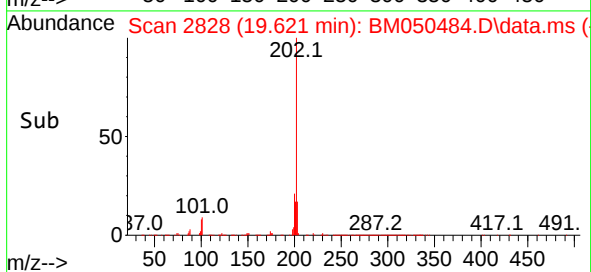
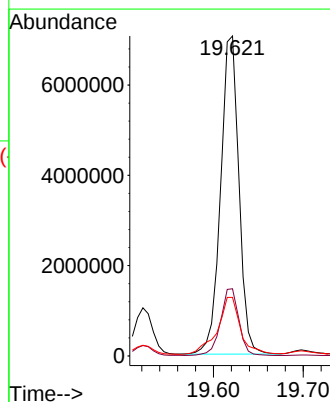
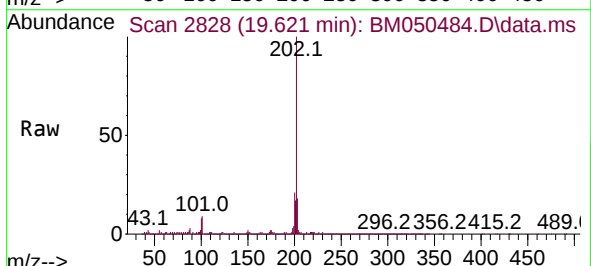
Tgt Ion:202 Resp:10043173

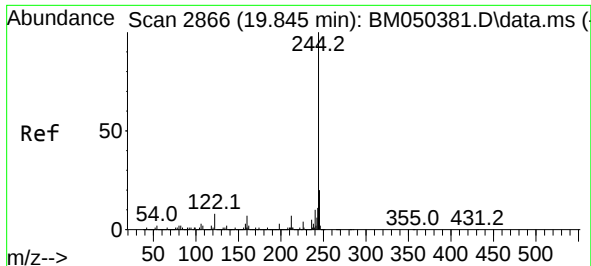
Ion Ratio Lower Upper

202 100

200 21.0 16.9 25.3

203 18.3 14.1 21.1

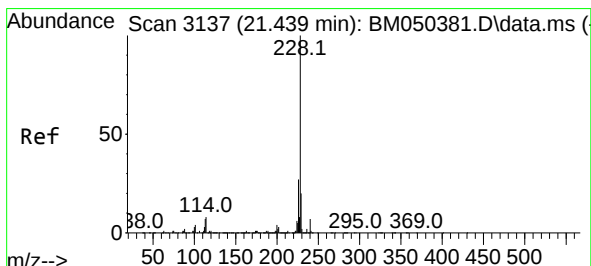
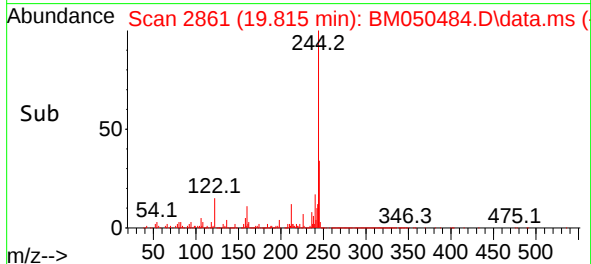
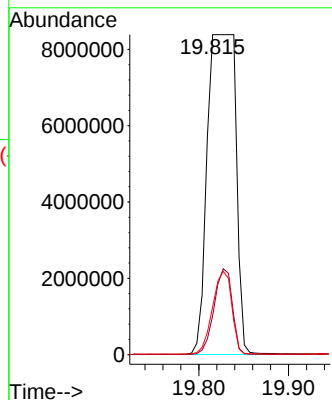
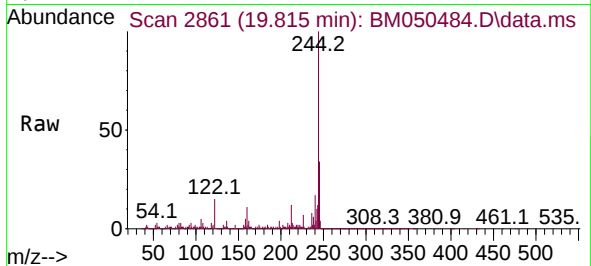




#79
 Terphenyl-d14
 Concen: 18.619 ng m
 RT: 19.815 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM050484.D
 Acq: 22 Jul 2025 13:32

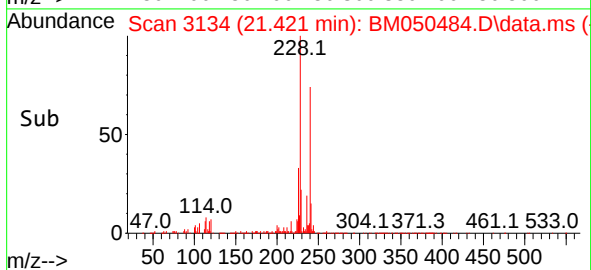
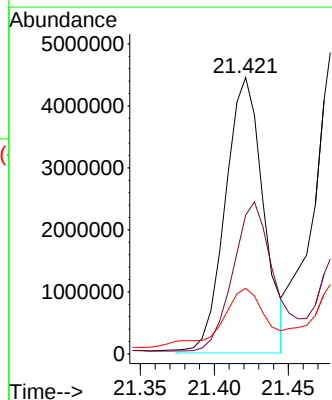
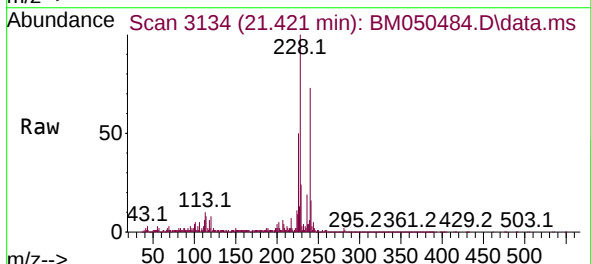
Instrument :
 BNA_M
 ClientSampleId :
 OU4-TS-36-071725

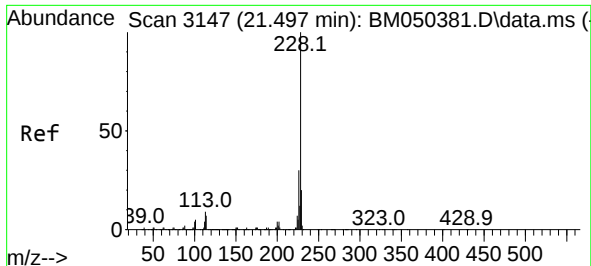
Tgt Ion:244 Resp:18562404
 Ion Ratio Lower Upper
 244 100
 212 12.3 5.7 8.5#
 122 14.9 6.2 9.2#



#81
 Benzo(a)anthracene
 Concen: 6.953 ng m
 RT: 21.421 min Scan# 3134
 Delta R.T. 0.006 min
 Lab File: BM050484.D
 Acq: 22 Jul 2025 13:32

Tgt Ion:228 Resp: 7946520
 Ion Ratio Lower Upper
 228 100
 226 50.2 21.8 32.8#
 229 23.7 16.0 24.0





#83

Chrysene

Concen: 7.800 ng

RT: 21.480 min Scan# 3147

Delta R.T. 0.000 min

Lab File: BM050484.D

Acq: 22 Jul 2025 13:32

Instrument :

BNA_M

ClientSampleId :

OU4-TS-36-071725

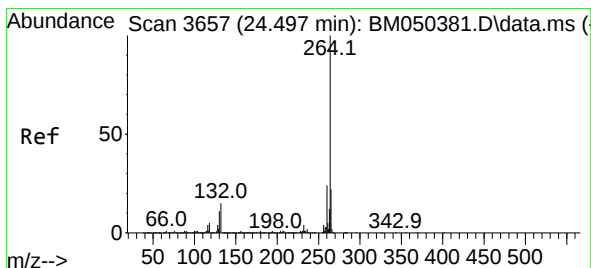
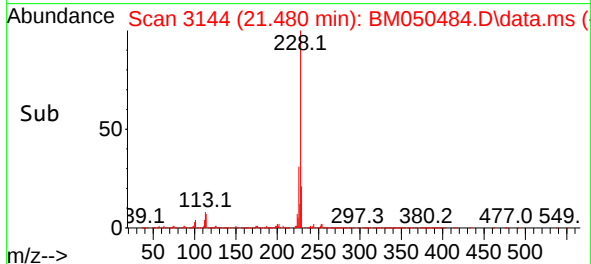
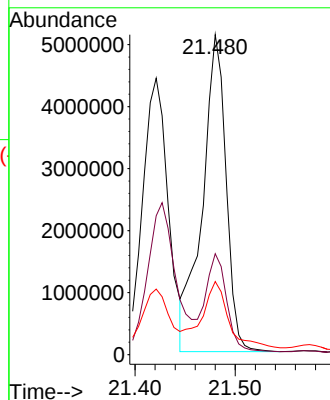
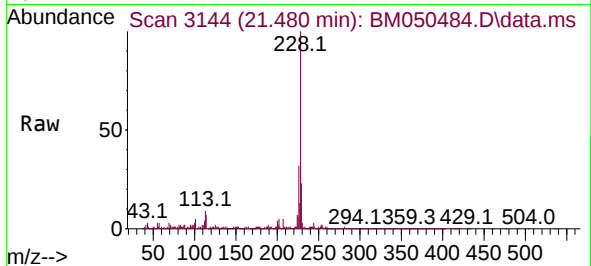
Tgt Ion:228 Resp: 8409152

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# 3654

Delta R.T. 0.024 min

Lab File: BM050484.D

Acq: 22 Jul 2025 13:32

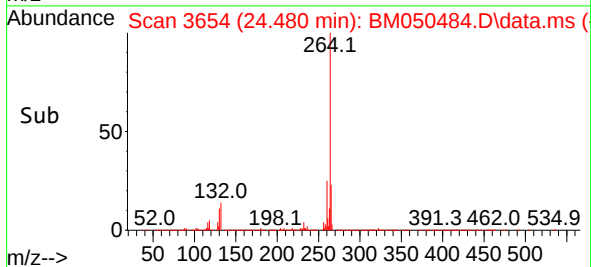
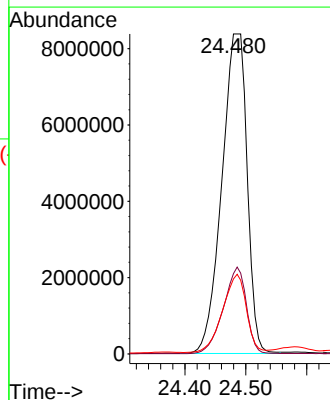
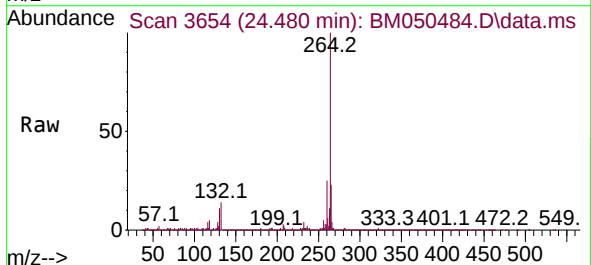
Tgt Ion:264 Resp:24155417

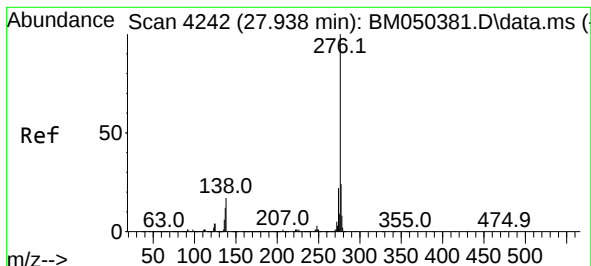
Ion Ratio Lower Upper

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# 41

Delta R.T. 0.024 min

Lab File: BM050484.D

Acq: 22 Jul 2025 13:32

Instrument :

BNA_M

ClientSampleId :

OU4-TS-36-071725

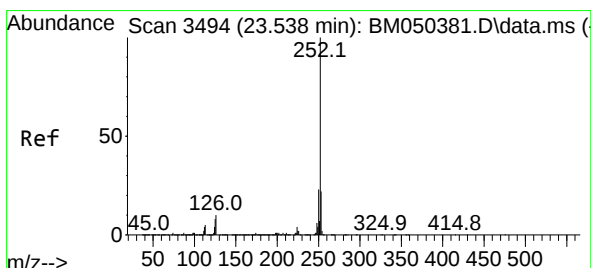
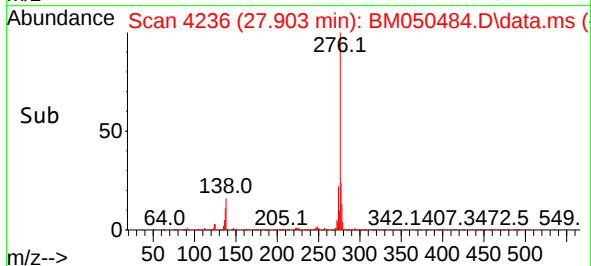
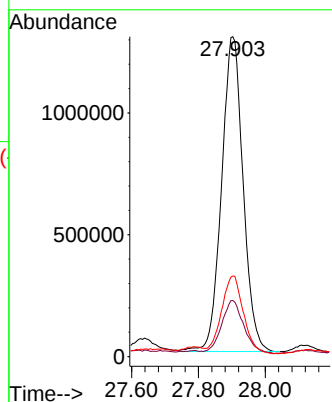
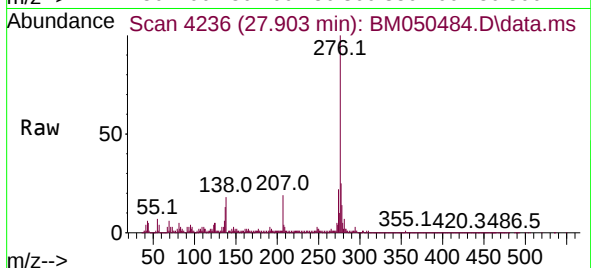
Tgt Ion:276 Resp: 5789995

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

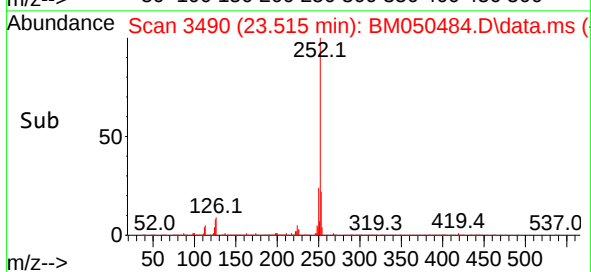
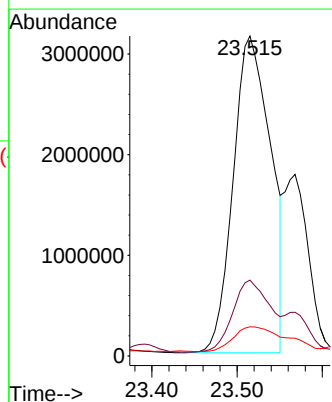
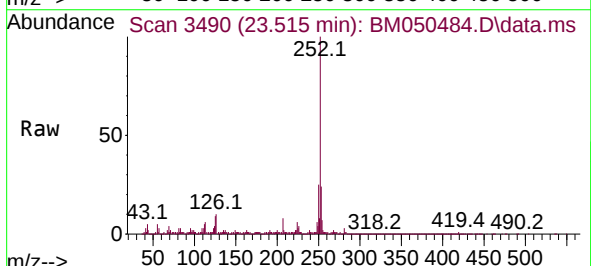
Tgt Ion:252 Resp: 9615956

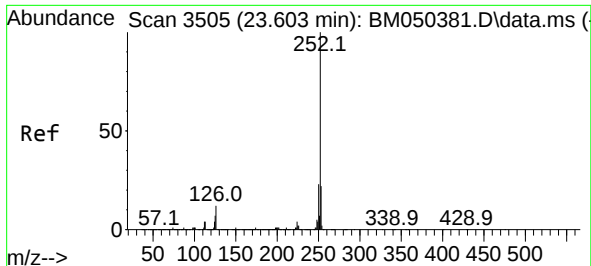
Ion Ratio Lower Upper

252 100

253 23.7 17.8 26.6

125 9.1 6.3 9.5

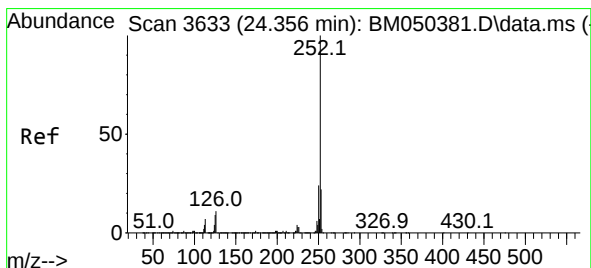
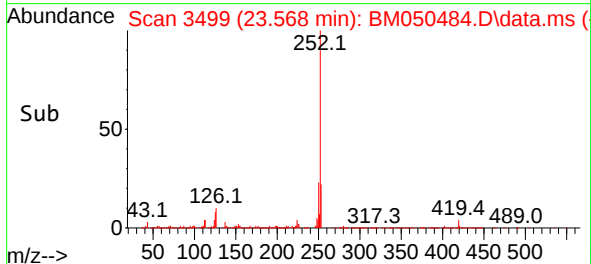
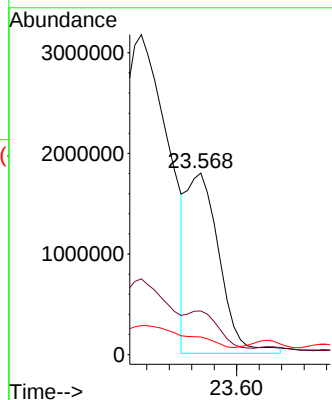
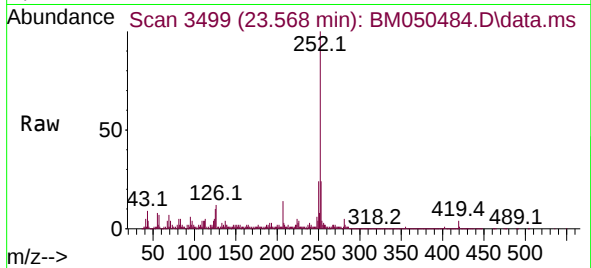




#89
Benzo(k)fluoranthene
Concen: 2.337 ng m
RT: 23.568 min Scan# 34
Delta R.T. 0.000 min
Lab File: BM050484.D
Acq: 22 Jul 2025 13:32

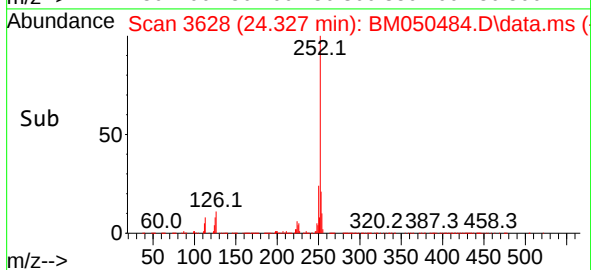
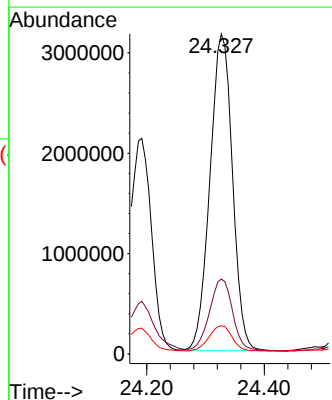
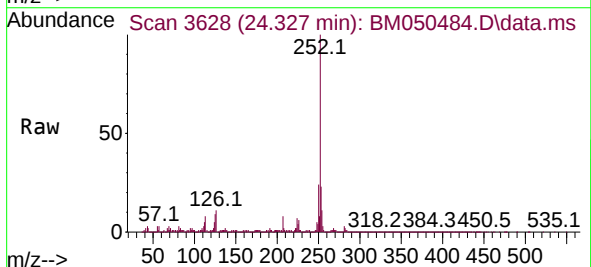
Instrument :
BNA_M
ClientSampleId :
OU4-TS-36-071725

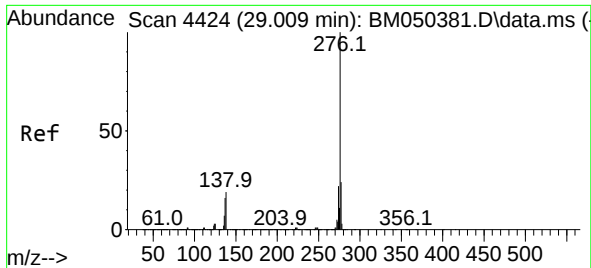
Tgt Ion:252 Resp: 3602374
Ion Ratio Lower Upper
252 100
253 24.1 17.6 26.4
125 9.7 6.2 9.2#



#90
Benzo(a)pyrene
Concen: 6.042 ng
RT: 24.327 min Scan# 3628
Delta R.T. 0.012 min
Lab File: BM050484.D
Acq: 22 Jul 2025 13:32

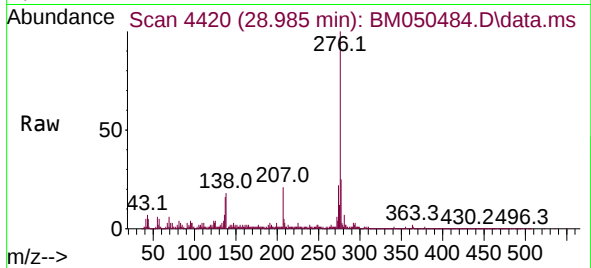
Tgt Ion:252 Resp: 8403065
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.6
125 8.8 7.0 10.4





#92
 Benzo(g,h,i)perylene
 Concen: 4.352 ng
 RT: 28.985 min Scan# 44
 Delta R.T. 0.041 min
 Lab File: BM050484.D
 Acq: 22 Jul 2025 13:32

Instrument :
 BNA_M
 ClientSampleId :
 OU4-TS-36-071725



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

