

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050925\
 Data File : BM050173.D
 Acq On : 09 May 2025 23:58
 Operator : RC/JU
 Sample : Q1983-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OR-636-COMP-01

Quant Time: May 10 00:38:18 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 08 12:03:21 2025
 Response via : Initial Calibration

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

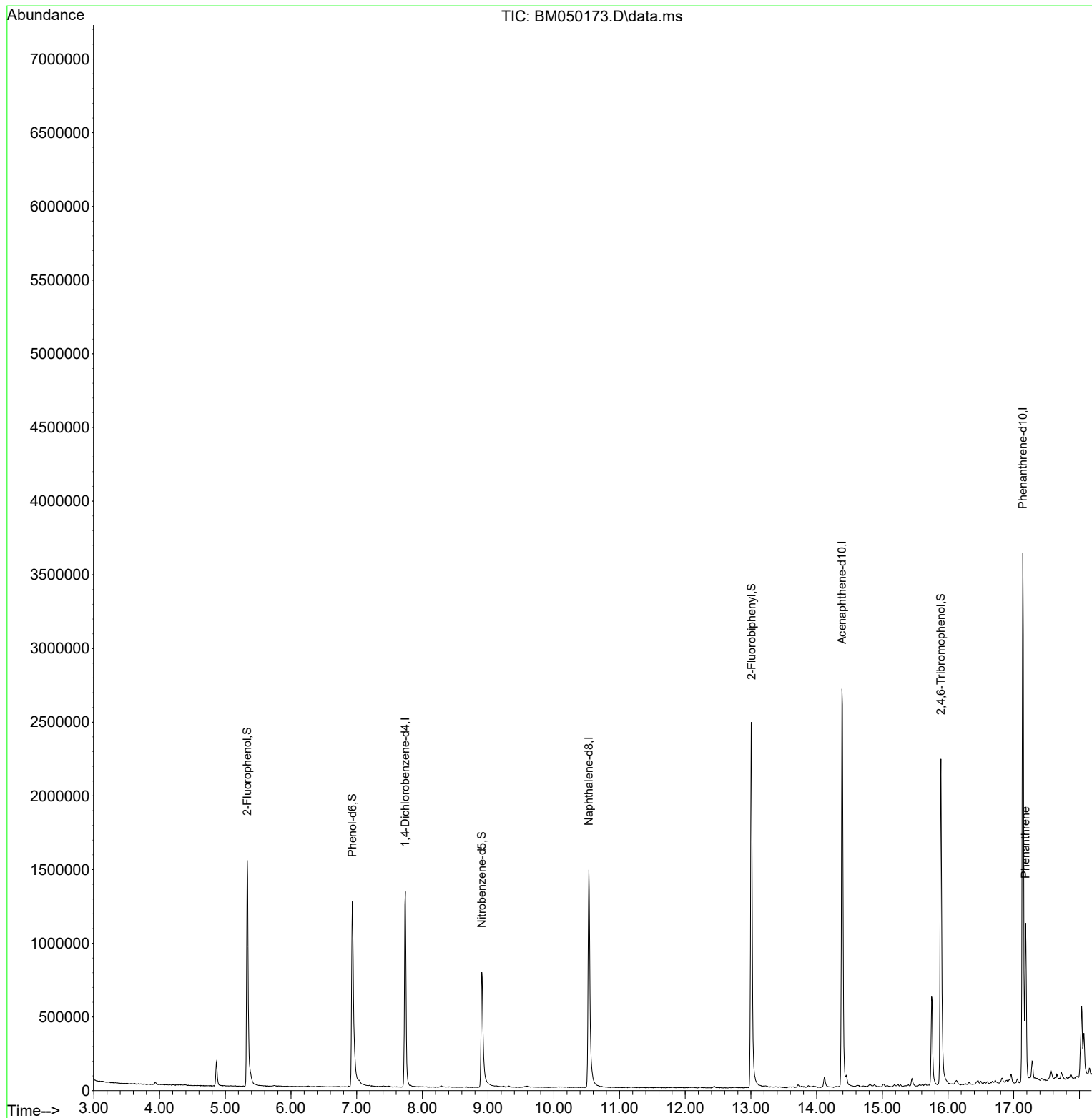
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.739	152	408607	20.000	ng	-0.03
21) Naphthalene-d8	10.533	136	1564789	20.000	ng	-0.03
39) Acenaphthene-d10	14.386	164	1125241	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	2287437	20.000	ng	-0.02
76) Chrysene-d12	21.380	240	1845211	20.000	ng	-0.02
86) Perylene-d12	24.374	264	1350884	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	817854	35.049	ng	-0.02
7) Phenol-d6	6.934	99	1060097	36.145	ng	-0.02
23) Nitrobenzene-d5	8.904	82	660354	20.795	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	529686	31.836	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	1657324	17.424	ng	-0.02
79) Terphenyl-d14	19.762	244	2575467	20.654	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	17.180	178	680430	5.274	ng	98
75) Fluoranthene	19.198	202	1263520	8.342	ng	99
78) Pyrene	19.562	202	1172082	9.045	ng	99
81) Benzo(a)anthracene	21.362	228	420777	3.311	ng	99
83) Chrysene	21.427	228	461700m	3.926	ng	
88) Benzo(b)fluoranthene	23.433	252	417813	4.756	ng	99
90) Benzo(a)pyrene	24.232	252	272958	3.317	ng	98
92) Benzo(g,h,i)perylene	28.826	276	166787	2.123	ng	96

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050925\
Data File : BM050173.D
Acq On : 09 May 2025 23:58
Operator : RC/JU
Sample : Q1983-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-636-COMP-01

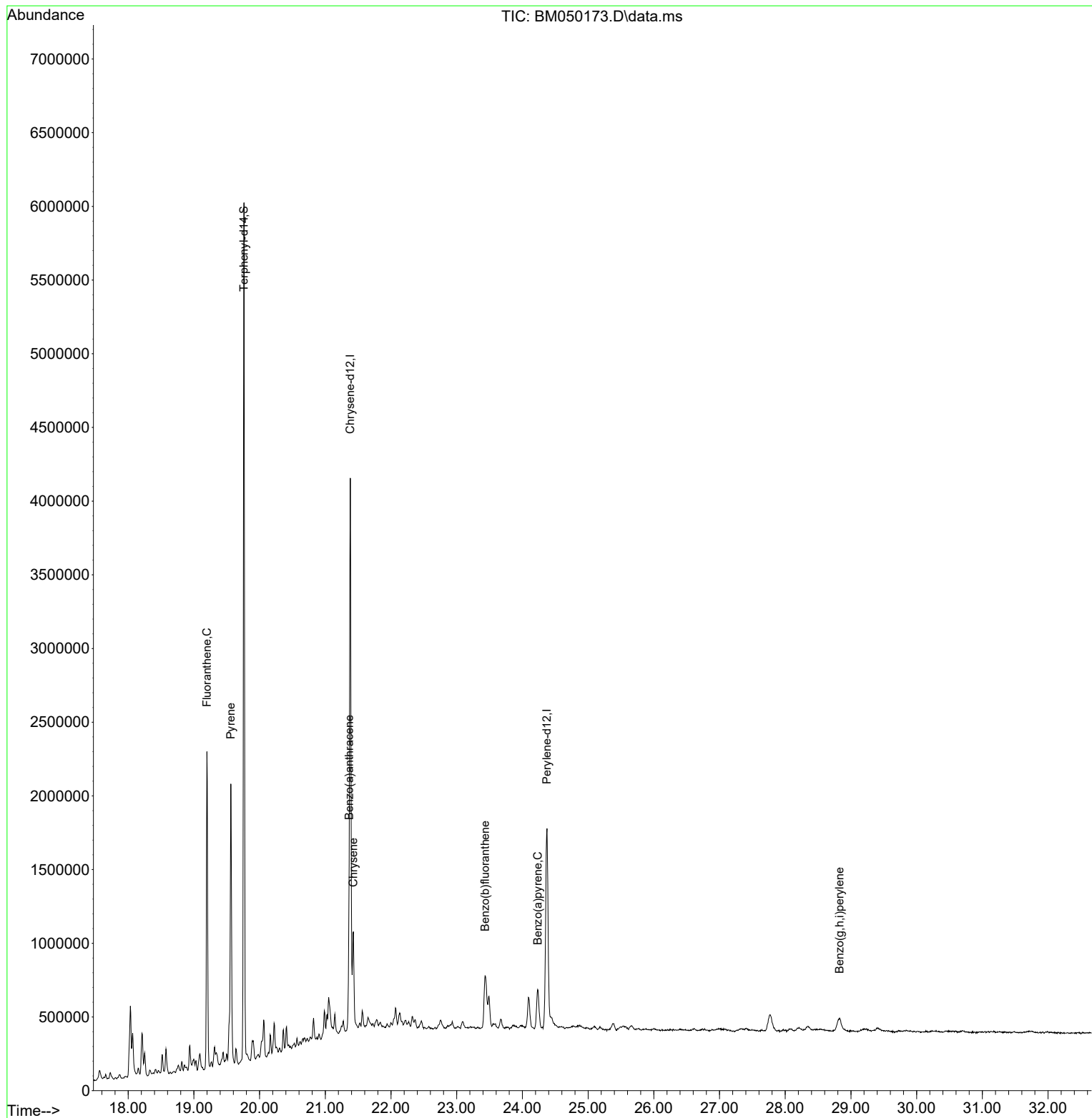
Quant Time: May 10 00:38:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 08 12:03:21 2025
Response via : Initial Calibration

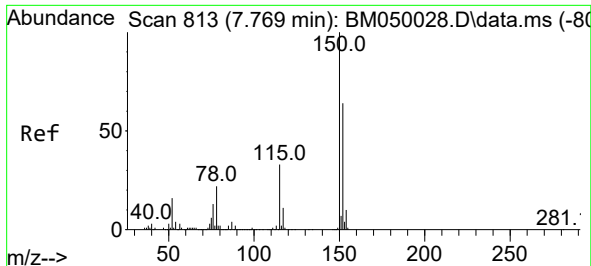


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050925\
Data File : BM050173.D
Acq On : 09 May 2025 23:58
Operator : RC/JU
Sample : Q1983-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-636-COMP-01

Quant Time: May 10 00:38:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 08 12:03:21 2025
Response via : Initial Calibration

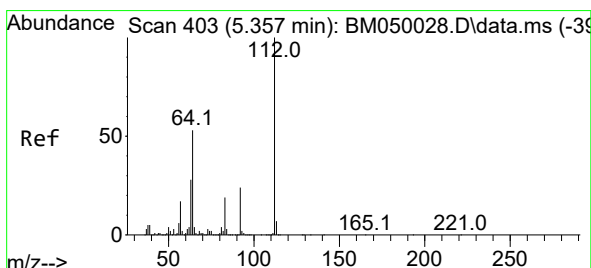
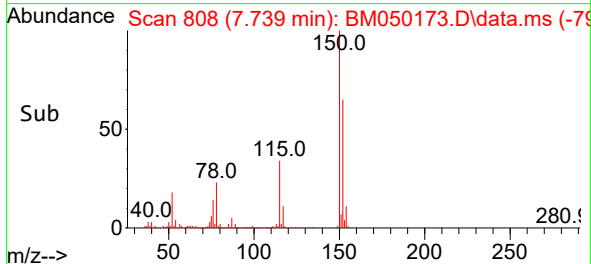
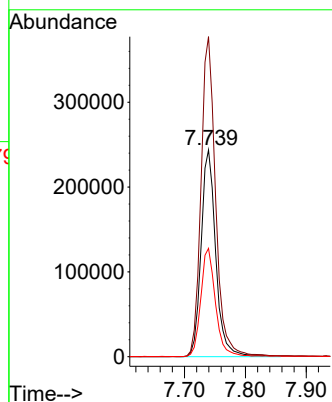
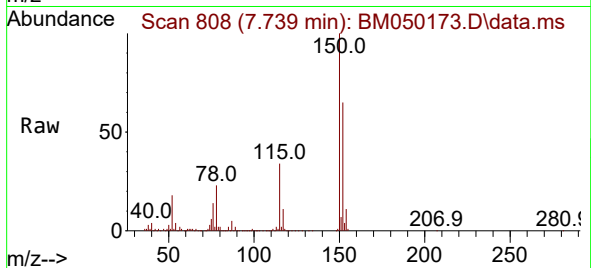




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.739 min Scan# 808
Delta R.T. -0.030 min
Lab File: BM050173.D
Acq: 09 May 2025 23:58

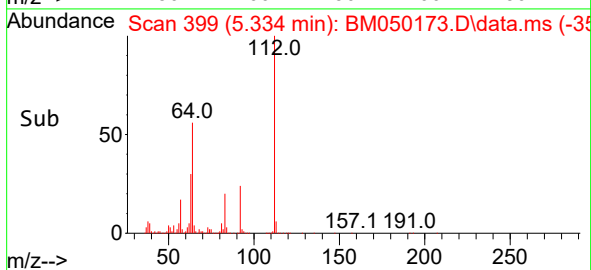
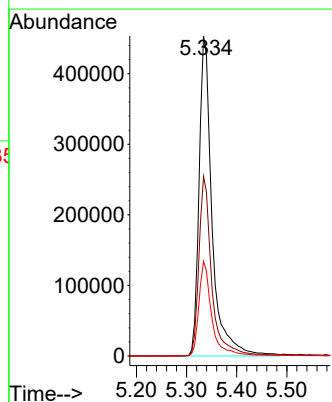
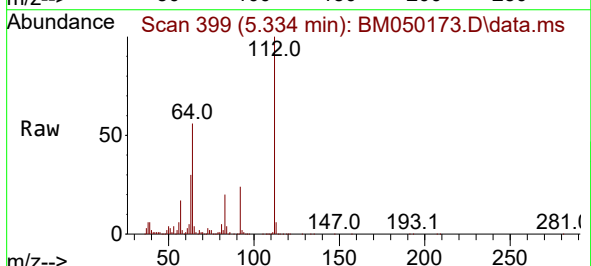
Instrument :
BNA_M
ClientSampleId :
OR-636-COMP-01

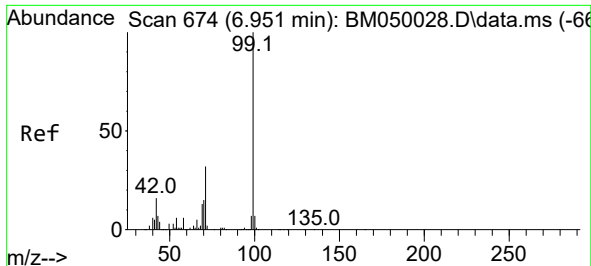
Tgt Ion:152 Resp: 408607
Ion Ratio Lower Upper
152 100
150 154.8 124.1 186.1
115 52.4 41.2 61.8



#5
2-Fluorophenol
Concen: 35.049 ng
RT: 5.334 min Scan# 399
Delta R.T. -0.024 min
Lab File: BM050173.D
Acq: 09 May 2025 23:58

Tgt Ion:112 Resp: 817854
Ion Ratio Lower Upper
112 100
64 56.1 42.6 64.0
63 29.6 22.2 33.4

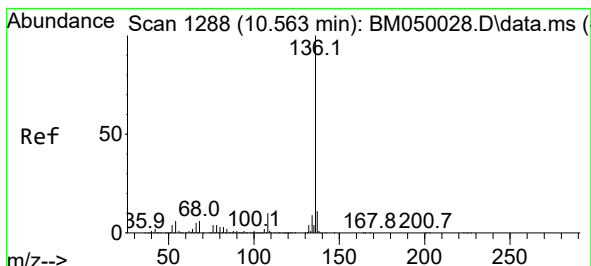
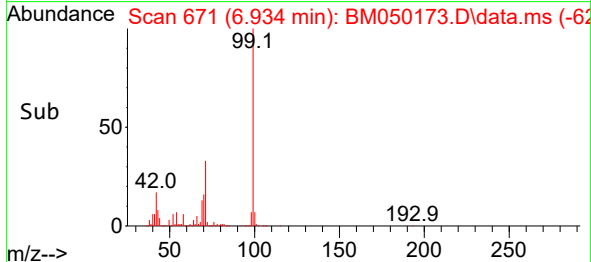
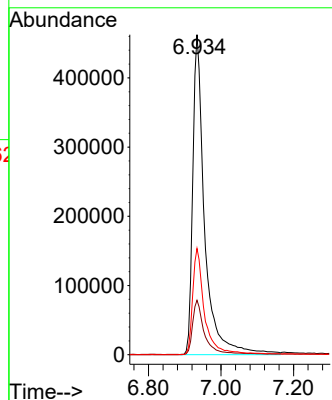
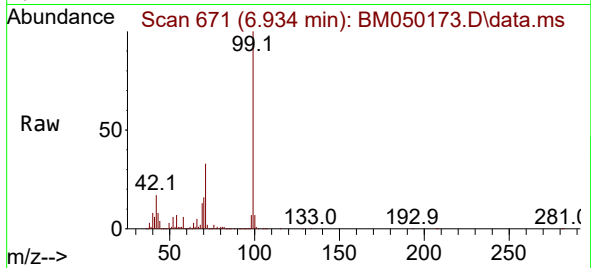




#7
Phenol-d6
Concen: 36.145 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050173.D
Acq: 09 May 2025 23:58

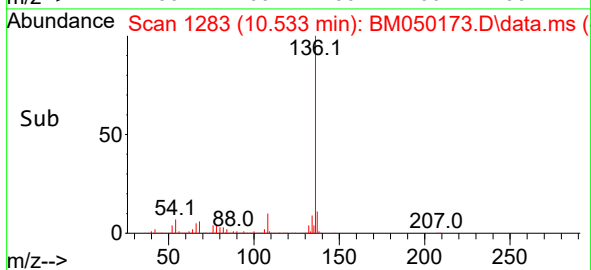
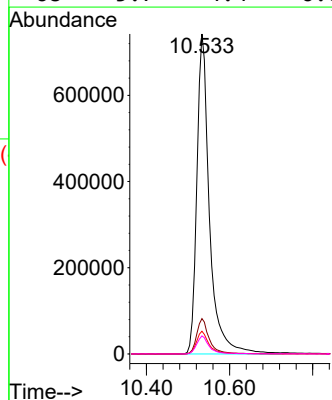
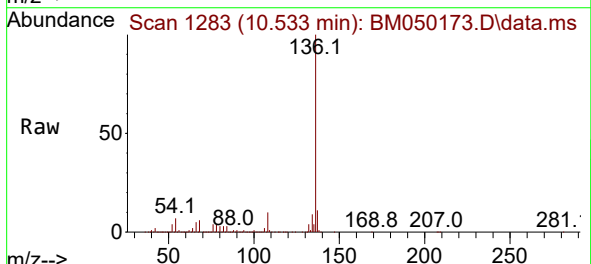
Instrument :
BNA_M
ClientSampleId :
OR-636-COMP-01

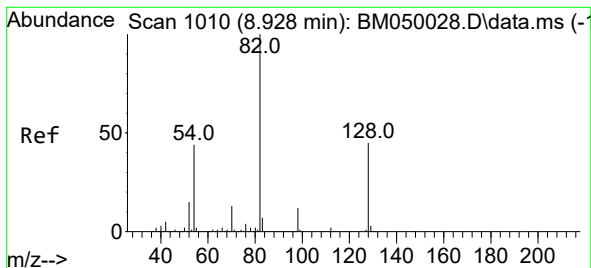
Tgt Ion: 99 Resp: 1060097
Ion Ratio Lower Upper
99 100
42 17.0 13.0 19.4
71 33.2 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.533 min Scan# 1283
Delta R.T. -0.030 min
Lab File: BM050173.D
Acq: 09 May 2025 23:58

Tgt Ion: 136 Resp: 1564789
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.1 5.1 7.7
68 5.7 4.4 6.6





#23

Nitrobenzene-d5

Concen: 20.795 ng

RT: 8.904 min Scan# 1006

Delta R.T. -0.024 min

Lab File: BM050173.D

Acq: 09 May 2025 23:58

Instrument :

BNA_M

ClientSampleId :

OR-636-COMP-01

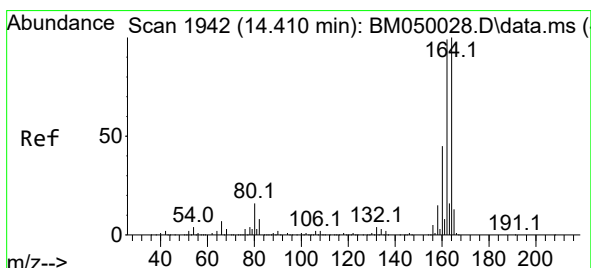
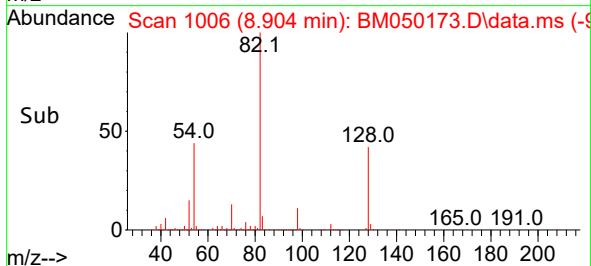
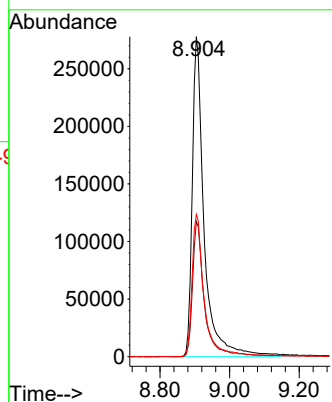
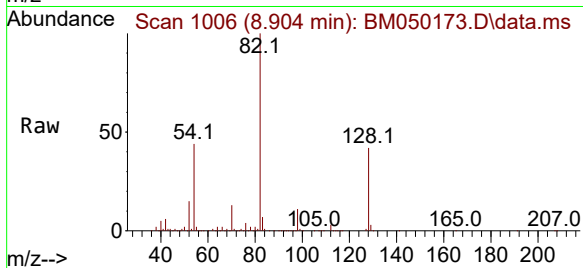
Tgt Ion: 82 Resp: 660354

Ion Ratio Lower Upper

82 100

128 42.3 35.7 53.5

54 44.5 35.4 53.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.386 min Scan# 1938

Delta R.T. -0.024 min

Lab File: BM050173.D

Acq: 09 May 2025 23:58

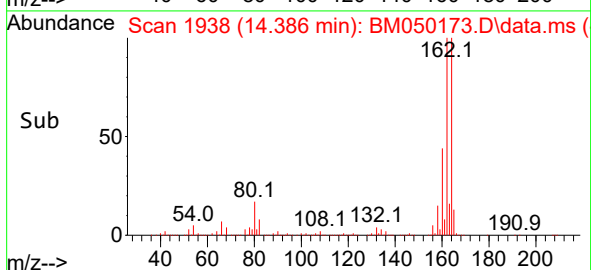
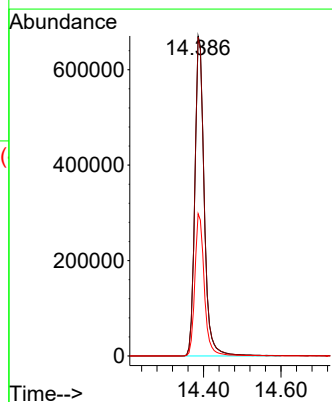
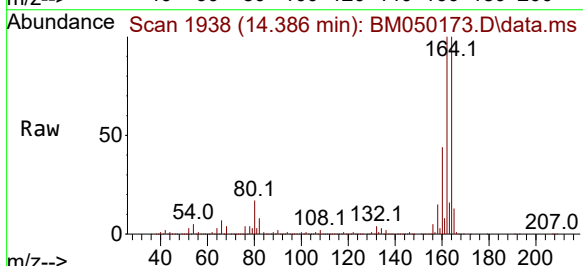
Tgt Ion: 164 Resp: 1125241

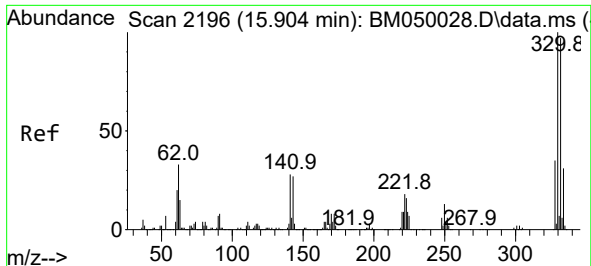
Ion Ratio Lower Upper

164 100

162 99.7 79.4 119.0

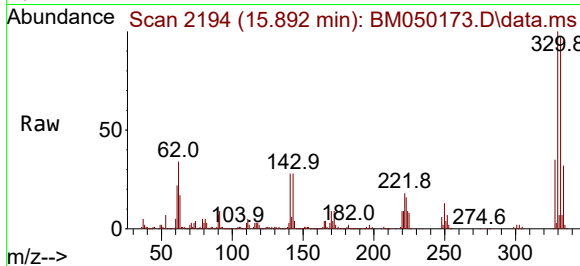
160 44.5 36.2 54.4



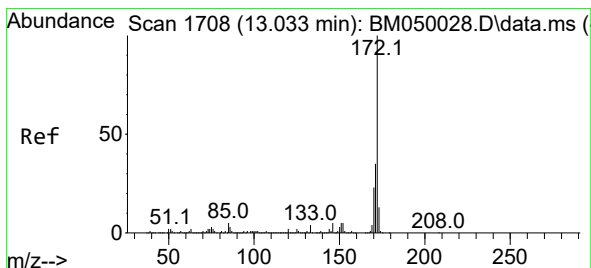
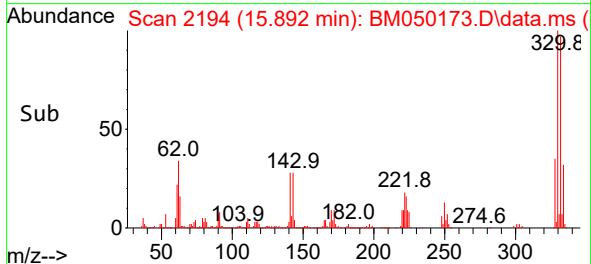
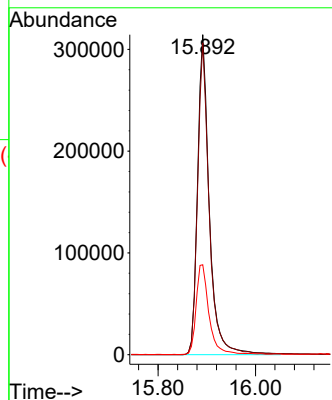


#42
2,4,6-Tribromophenol
Concen: 31.836 ng
RT: 15.892 min Scan# 2194
Delta R.T. -0.012 min
Lab File: BM050173.D
Acq: 09 May 2025 23:58

Instrument :
BNA_M
ClientSampleId :
OR-636-COMP-01

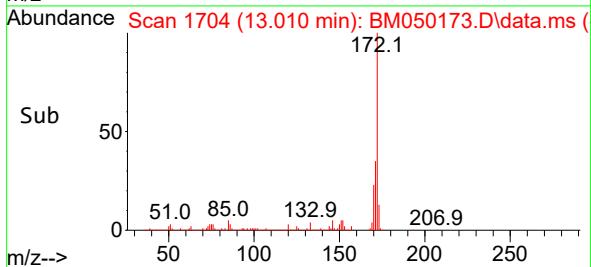
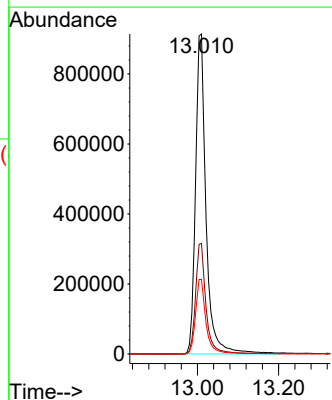
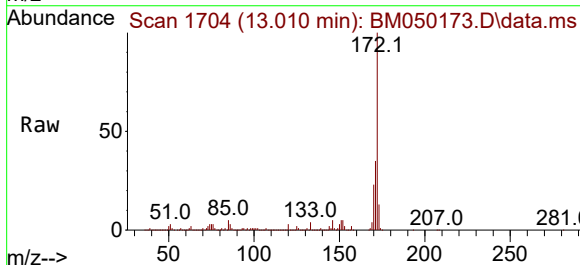


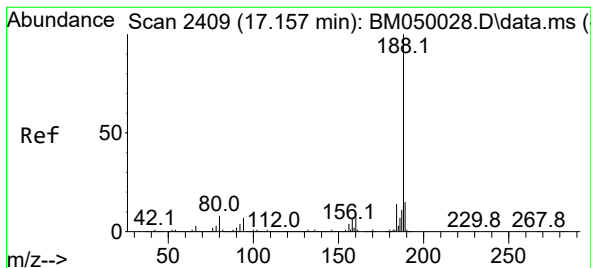
Tgt Ion:330 Resp: 529686
Ion Ratio Lower Upper
330 100
332 96.8 77.3 115.9
141 30.8 22.5 33.7



#45
2-Fluorobiphenyl
Concen: 17.424 ng
RT: 13.010 min Scan# 1704
Delta R.T. -0.024 min
Lab File: BM050173.D
Acq: 09 May 2025 23:58

Tgt Ion:172 Resp: 1657324
Ion Ratio Lower Upper
172 100
171 34.5 27.8 41.6
170 23.3 18.6 28.0

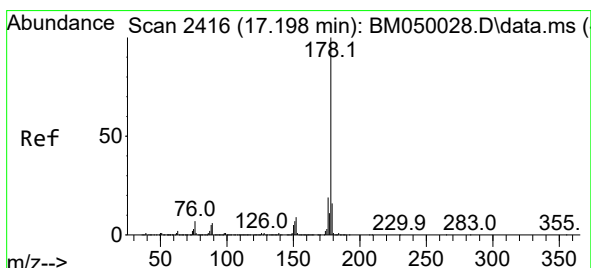
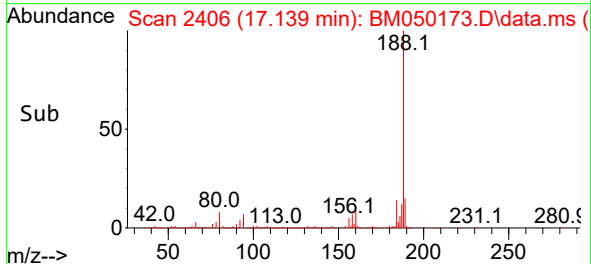
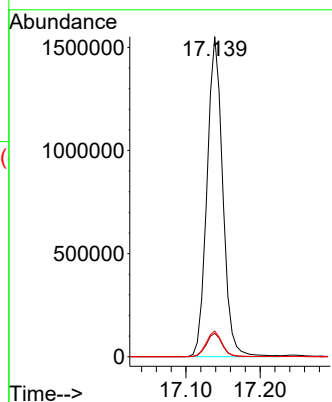
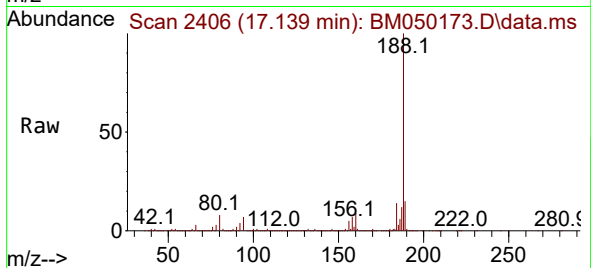




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.139 min Scan# 2409
Delta R.T. -0.018 min
Lab File: BM050173.D
Acq: 09 May 2025 23:58

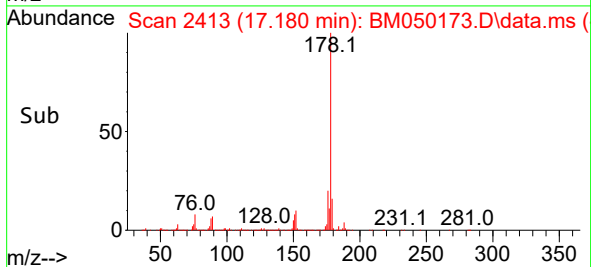
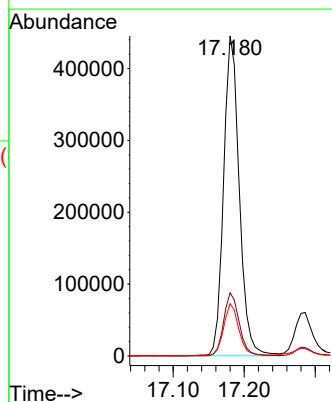
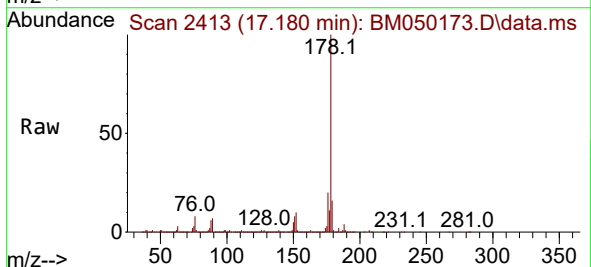
Instrument :
BNA_M
ClientSampleId :
OR-636-COMP-01

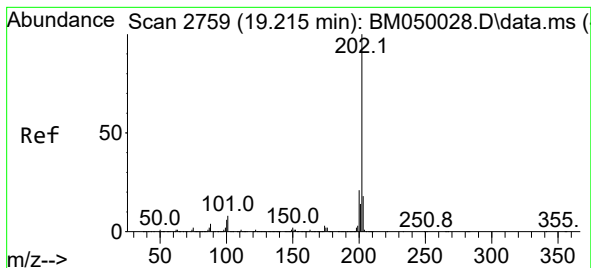
Tgt Ion:188 Resp: 2287437
Ion Ratio Lower Upper
188 100
94 7.3 5.7 8.5
80 8.0 6.2 9.4



#71
Phenanthrene
Concen: 5.274 ng
RT: 17.180 min Scan# 2413
Delta R.T. -0.018 min
Lab File: BM050173.D
Acq: 09 May 2025 23:58

Tgt Ion:178 Resp: 680430
Ion Ratio Lower Upper
178 100
176 19.8 15.3 22.9
179 16.3 12.4 18.6





#75

Fluoranthene

Concen: 8.342 ng

RT: 19.198 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM050173.D

Acq: 09 May 2025 23:58

Instrument :

BNA_M

ClientSampleId :

OR-636-COMP-01

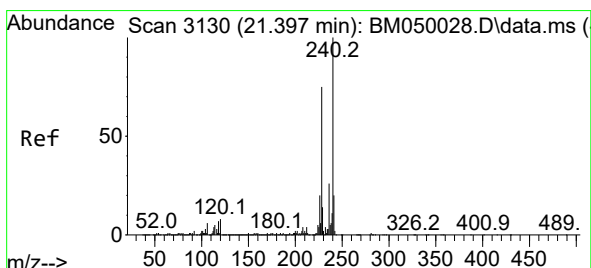
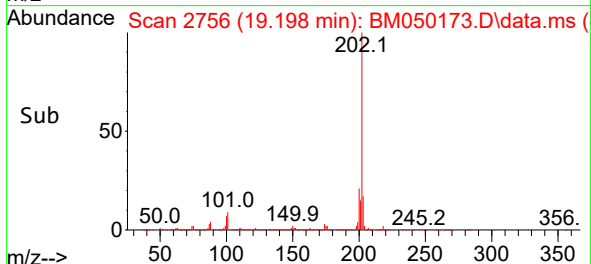
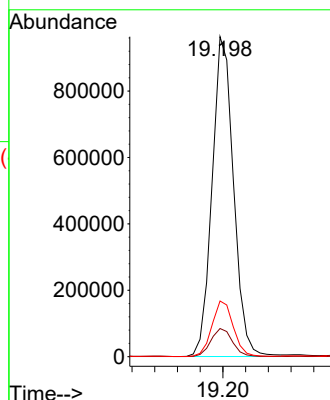
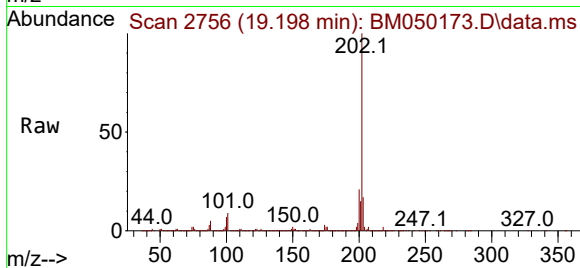
Tgt Ion:202 Resp: 1263520

Ion Ratio Lower Upper

202 100

101 8.8 0.0 28.0

203 17.4 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.380 min Scan# 3127

Delta R.T. -0.017 min

Lab File: BM050173.D

Acq: 09 May 2025 23:58

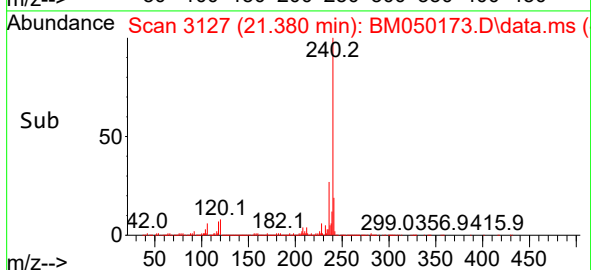
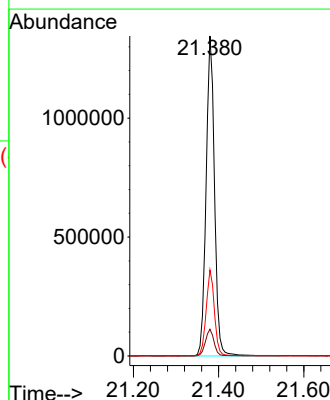
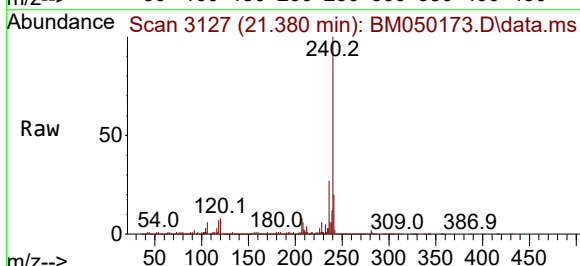
Tgt Ion:240 Resp: 1845211

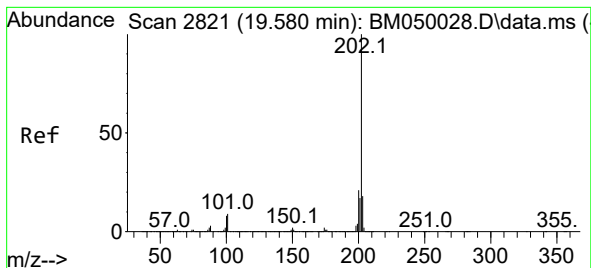
Ion Ratio Lower Upper

240 100

120 8.3 6.5 9.7

236 26.9 20.9 31.3





#78

Pyrene

Concen: 9.045 ng

RT: 19.562 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM050173.D

Acq: 09 May 2025 23:58

Instrument :

BNA_M

ClientSampleId :

OR-636-COMP-01

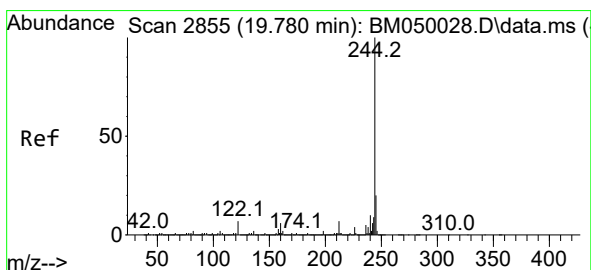
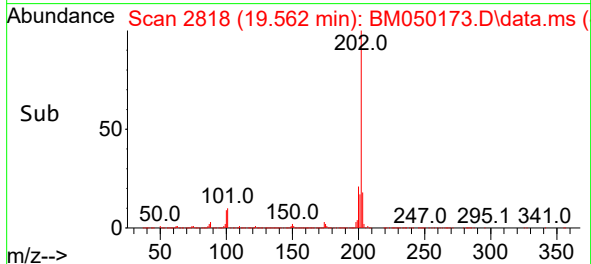
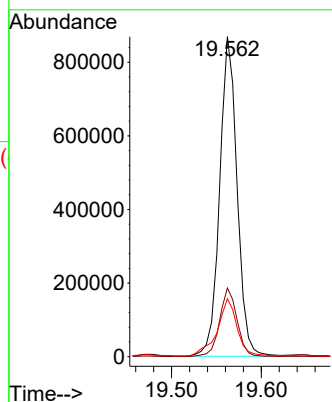
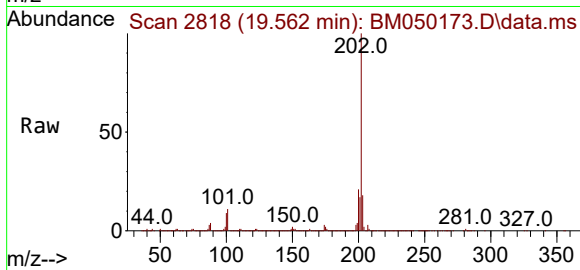
Tgt Ion:202 Resp: 1172082

Ion Ratio Lower Upper

202 100

200 21.4 16.7 25.1

203 18.1 14.1 21.1



#79

Terphenyl-d14

Concen: 20.654 ng

RT: 19.762 min Scan# 2852

Delta R.T. -0.018 min

Lab File: BM050173.D

Acq: 09 May 2025 23:58

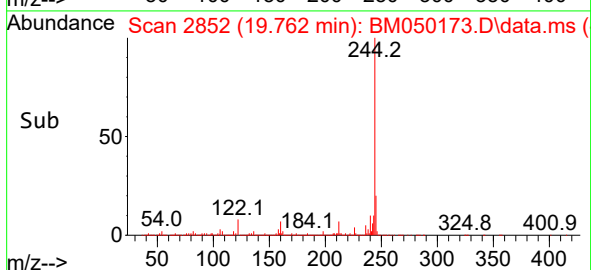
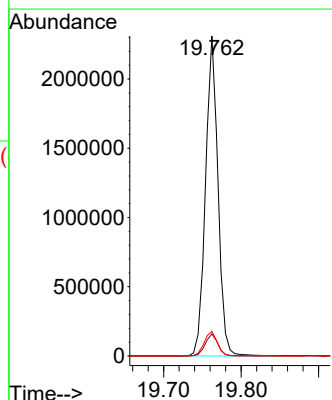
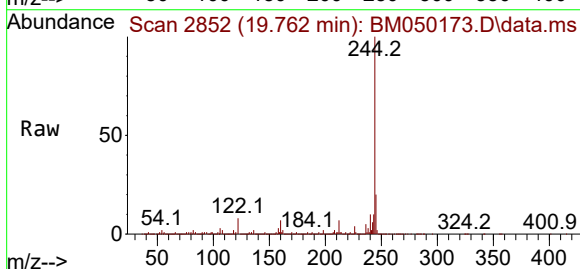
Tgt Ion:244 Resp: 2575467

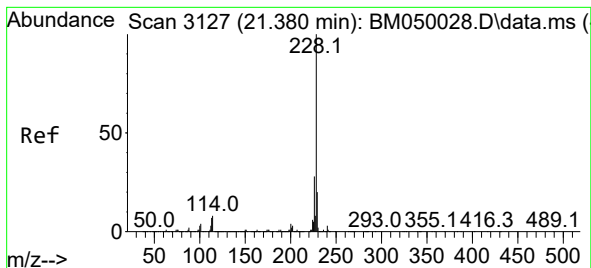
Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

122 7.7 5.6 8.4





#81

Benzo(a)anthracene

Concen: 3.311 ng

RT: 21.362 min Scan# 3124

Delta R.T. -0.018 min

Lab File: BM050173.D

Acq: 09 May 2025 23:58

Instrument :

BNA_M

ClientSampleId :

OR-636-COMP-01

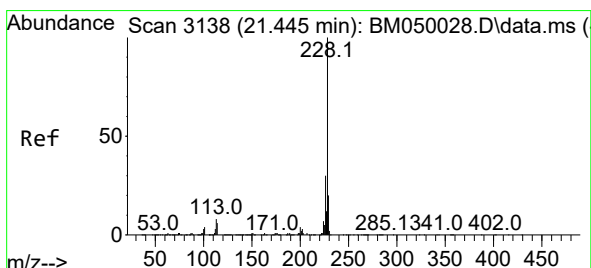
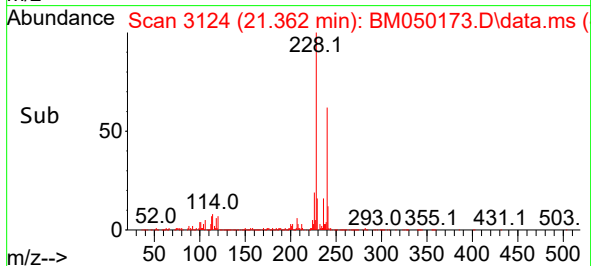
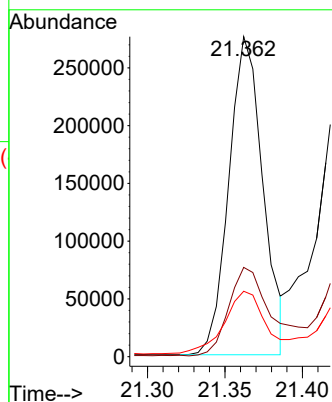
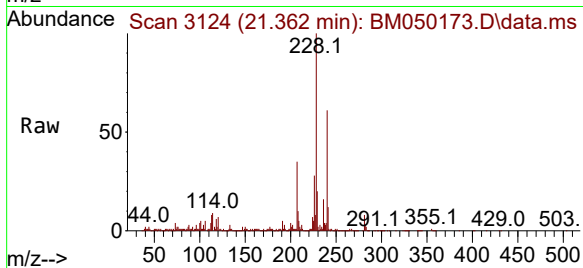
Tgt Ion:228 Resp: 420777

Ion Ratio Lower Upper

228 100

226 27.9 22.1 33.1

229 20.5 15.7 23.5



#83

Chrysene

Concen: 3.926 ng m

RT: 21.427 min Scan# 3135

Delta R.T. -0.018 min

Lab File: BM050173.D

Acq: 09 May 2025 23:58

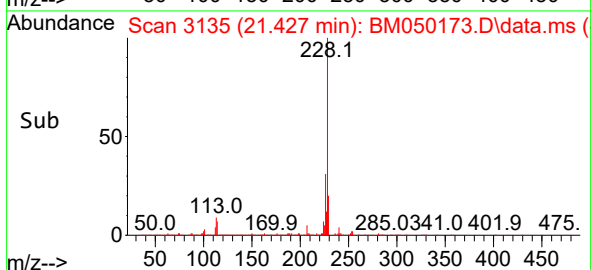
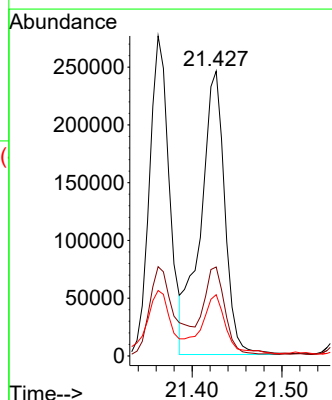
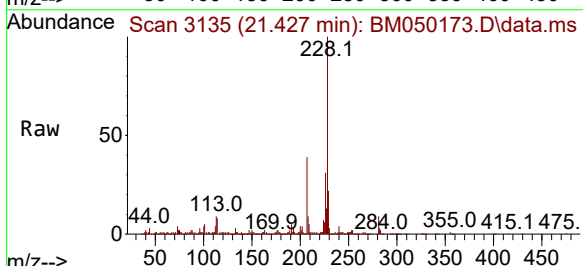
Tgt Ion:228 Resp: 461700

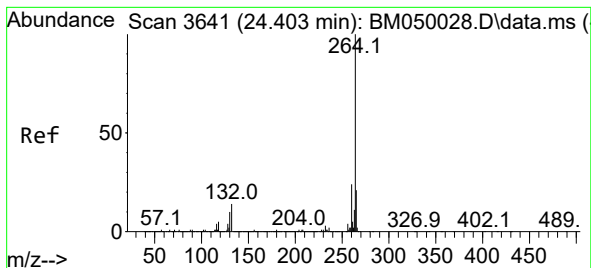
Ion Ratio Lower Upper

228 100

226 31.2 24.2 36.2

229 21.5 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.374 min Scan# 3

Delta R.T. -0.030 min

Lab File: BM050173.D

Acq: 09 May 2025 23:58

Instrument :

BNA_M

ClientSampleId :

OR-636-COMP-01

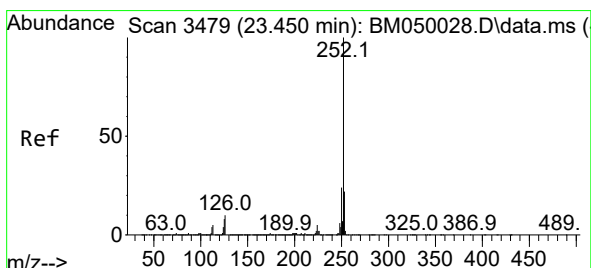
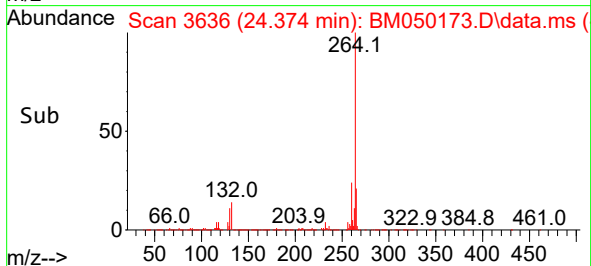
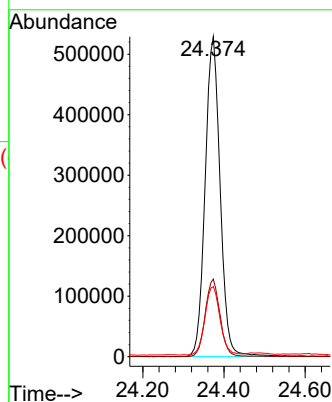
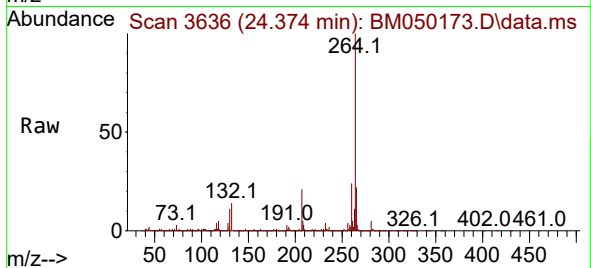
Tgt Ion:264 Resp: 1350884

Ion Ratio Lower Upper

264 100

260 24.2 18.8 28.2

265 21.9 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 4.756 ng

RT: 23.433 min Scan# 3476

Delta R.T. -0.018 min

Lab File: BM050173.D

Acq: 09 May 2025 23:58

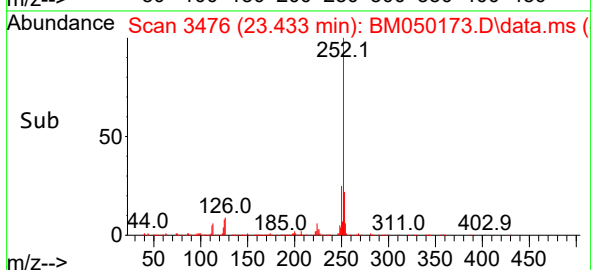
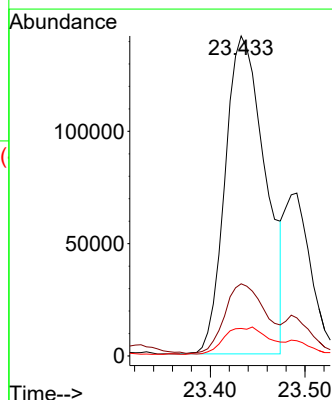
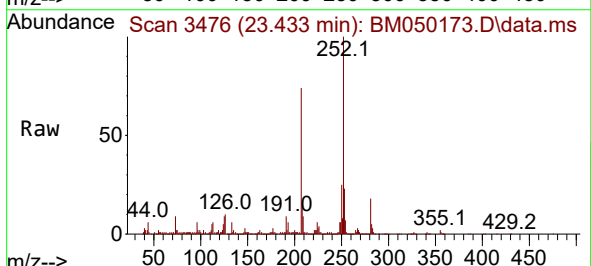
Tgt Ion:252 Resp: 417813

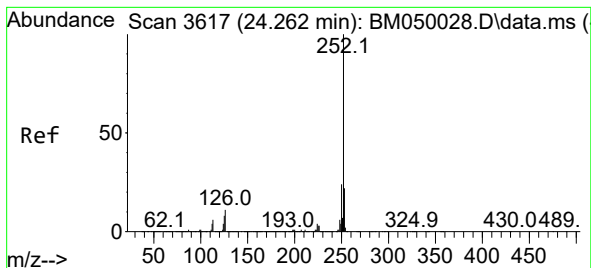
Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

125 8.6 6.1 9.1





#90

Benzo(a)pyrene

Concen: 3.317 ng

RT: 24.232 min Scan# 3

Delta R.T. -0.030 min

Lab File: BM050173.D

Acq: 09 May 2025 23:58

Instrument :

BNA_M

ClientSampleId :

OR-636-COMP-01

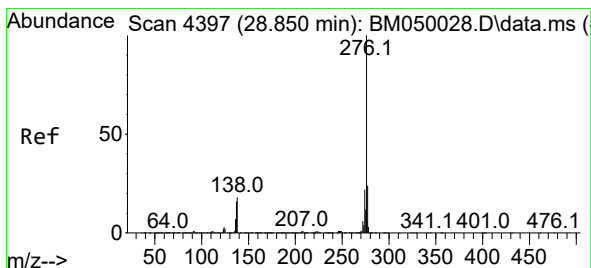
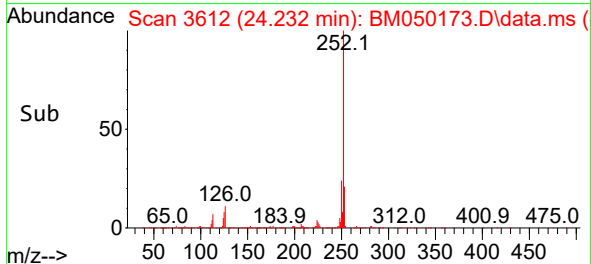
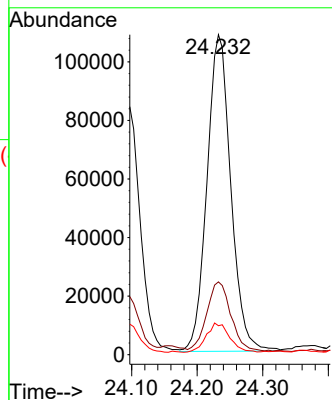
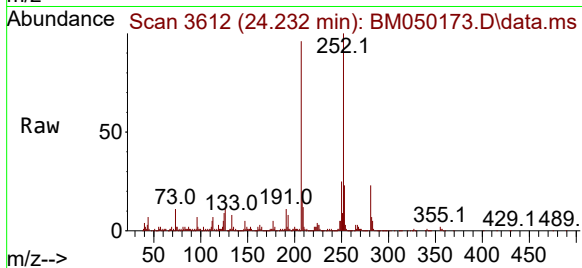
Tgt Ion:252 Resp: 272958

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

125 9.0 6.6 9.8



#92

Benzo(g,h,i)perylene

Concen: 2.123 ng

RT: 28.826 min Scan# 4393

Delta R.T. -0.024 min

Lab File: BM050173.D

Acq: 09 May 2025 23:58

Tgt Ion:276 Resp: 166787

Ion Ratio Lower Upper

276 100

277 24.6 19.1 28.7

138 21.2 14.3 21.5

