

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050825\
 Data File : BM050155.D
 Acq On : 08 May 2025 20:35
 Operator : RC/JU
 Sample : Q1969-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TR-06-05072025

Quant Time: May 09 01:56:32 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)

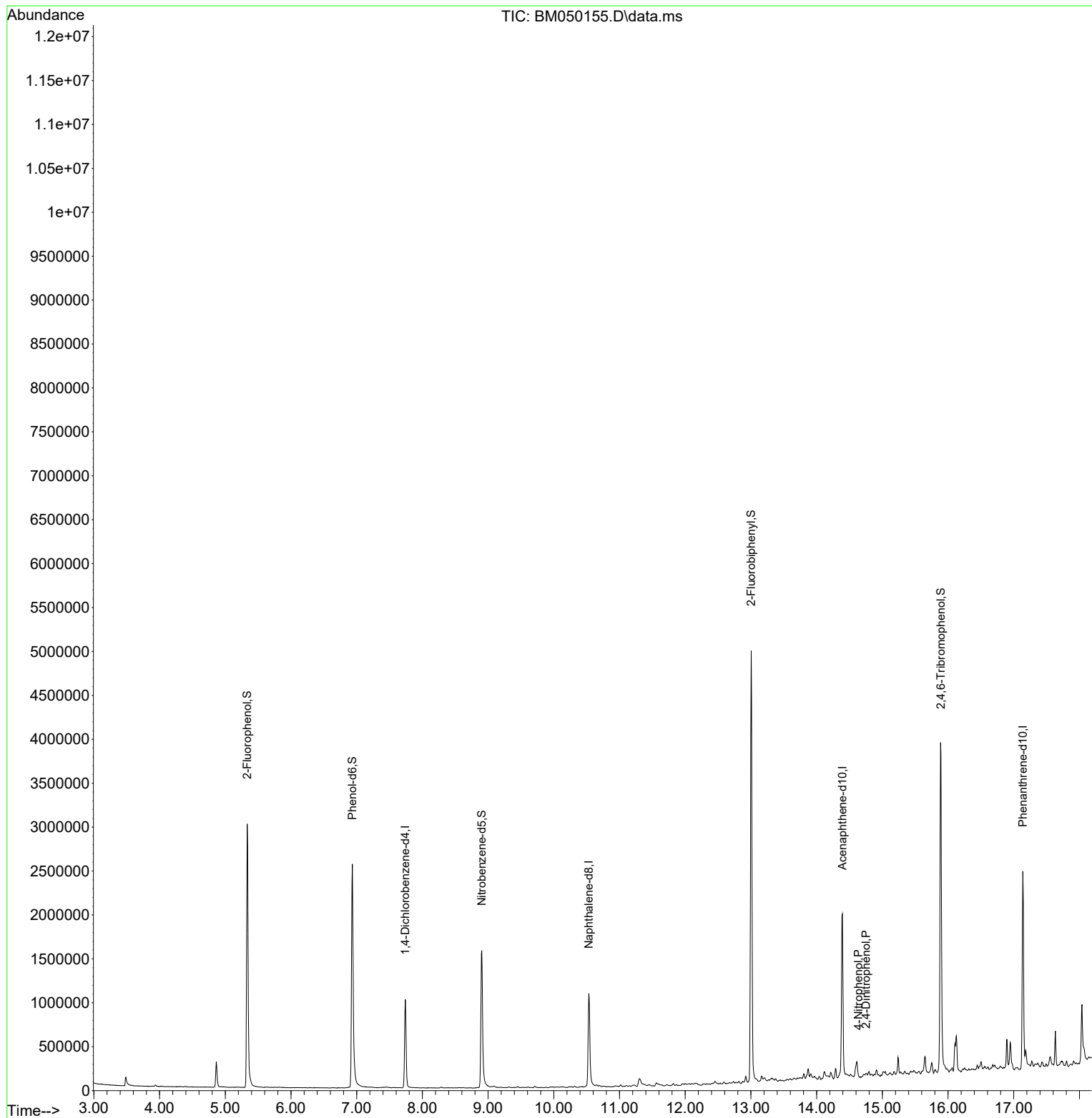
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.739	152	299196	20.000	ng	-0.03
21) Naphthalene-d8	10.533	136	1053125	20.000	ng	-0.03
39) Acenaphthene-d10	14.392	164	702551	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	1367948	20.000	ng	-0.02
76) Chrysene-d12	21.380	240	1272257	20.000	ng	-0.02
86) Perylene-d12	24.374	264	1387823	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	1468650	85.954	ng	-0.02
7) Phenol-d6	6.934	99	1841185	85.734	ng	-0.02
23) Nitrobenzene-d5	8.904	82	1100279	51.483	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	882381	84.941	ng	-0.01
45) 2-Fluorobiphenyl	13.004	172	2863785	48.222	ng	-0.03
79) Terphenyl-d14	19.762	244	4413117	51.328	ng	-0.02
Target Compounds						Qvalue
54) 2,4-Dinitrophenol	14.751	184	74	5.753	ng	# 1
56) 4-Nitrophenol	14.633	139	279	4.566	ng	# 1
75) Fluoranthene	19.203	202	319942	3.532	ng	99
78) Pyrene	19.562	202	336832	3.770	ng	99
83) Chrysene	21.421	228	189472	2.337	ng	# 93
88) Benzo(b)fluoranthene	23.433	252	260432	2.886	ng	# 77
89) Benzo(k)fluoranthene	23.433	252	260432	2.853	ng	# 76
90) Benzo(a)pyrene	24.233	252	187876	2.223	ng	# 83
92) Benzo(g,h,i)perylene	28.826	276	187503	2.323	ng	# 89

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

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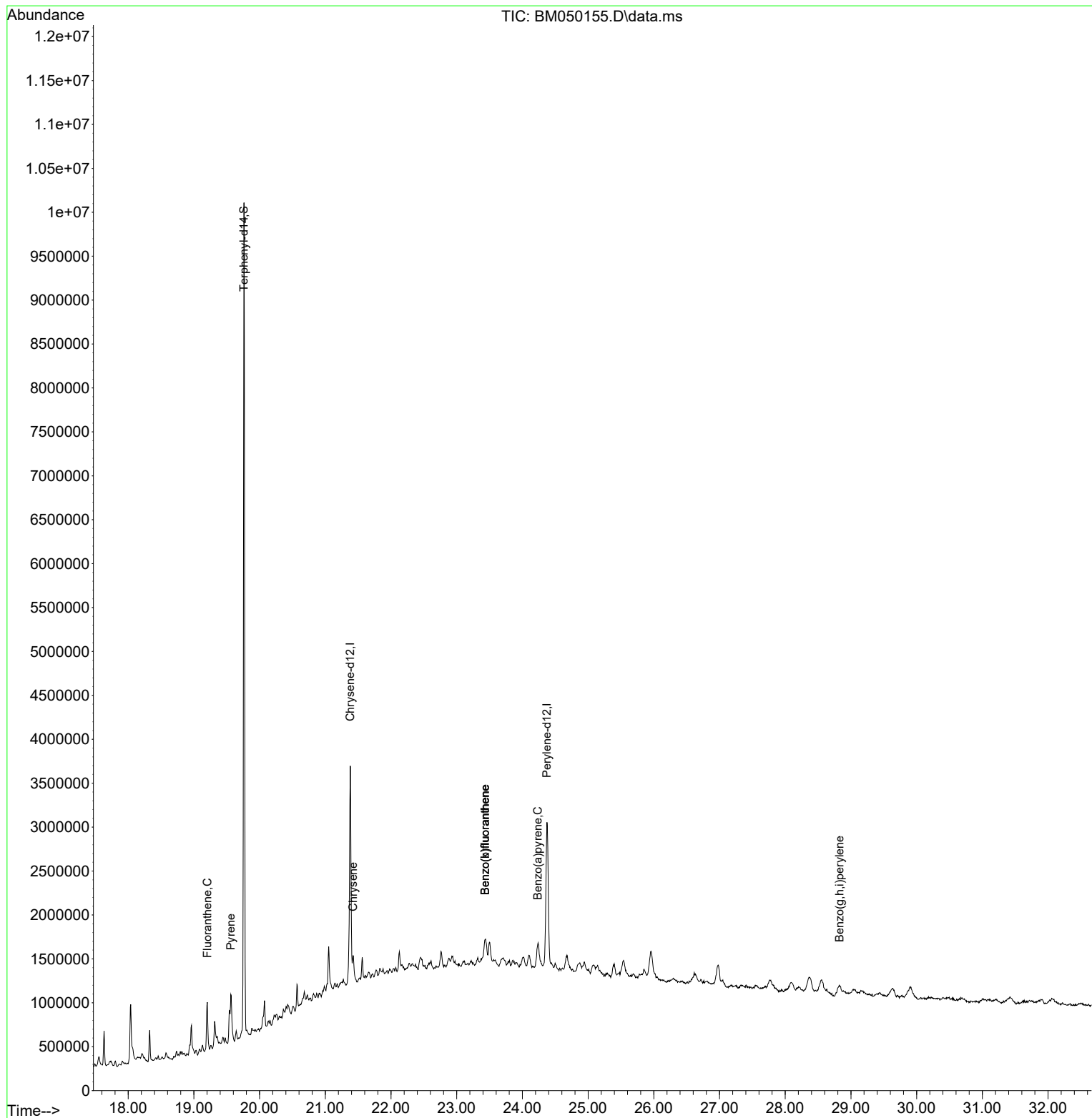
Quant Time: May 09 01:56:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 08 12:03:21 2025
Response via : Initial Calibration

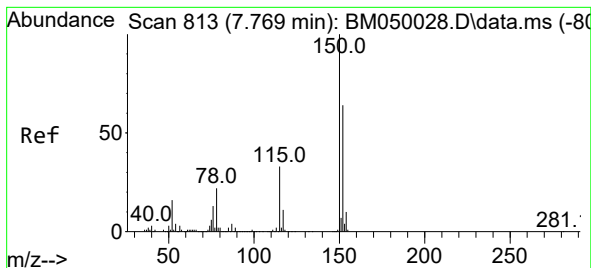


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050825\
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Response via : Initial Calibration

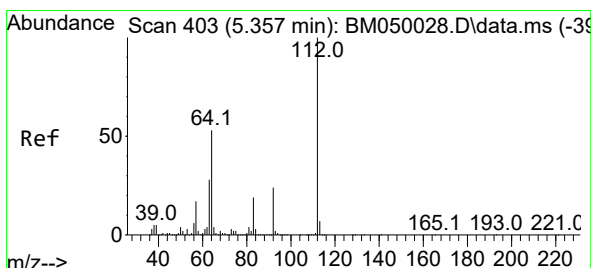
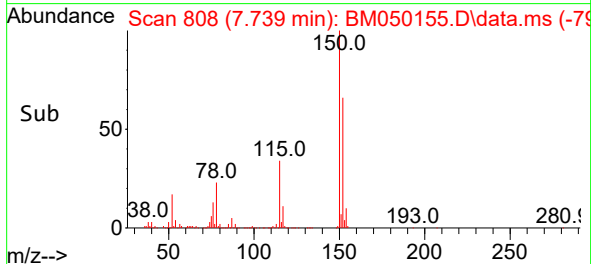
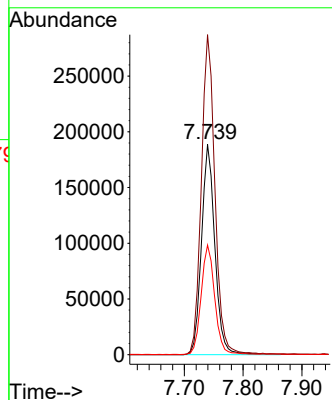
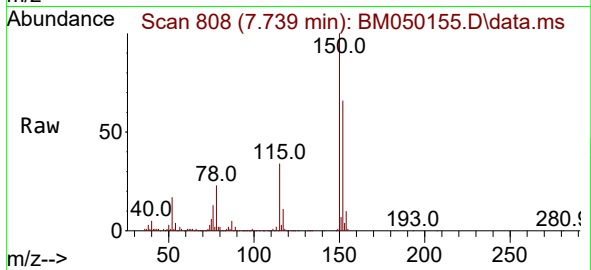




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.739 min Scan# 808
Delta R.T. -0.030 min
Lab File: BM050155.D
Acq: 08 May 2025 20:35

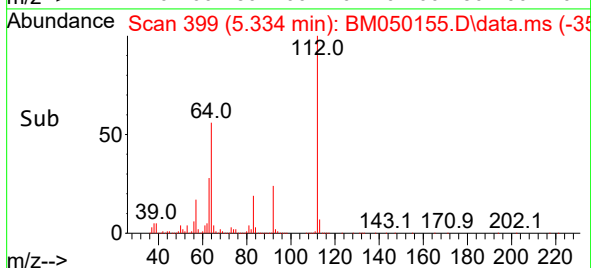
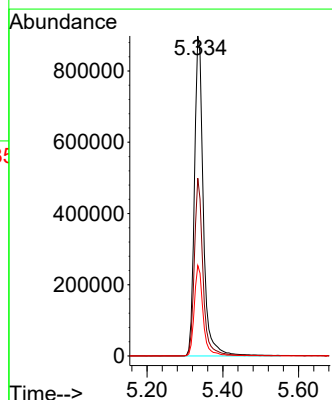
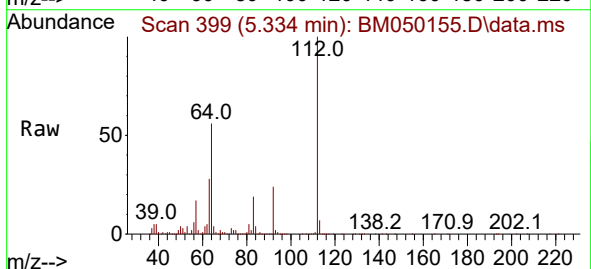
Instrument :
BNA_M
ClientSampleId :
TR-06-05072025

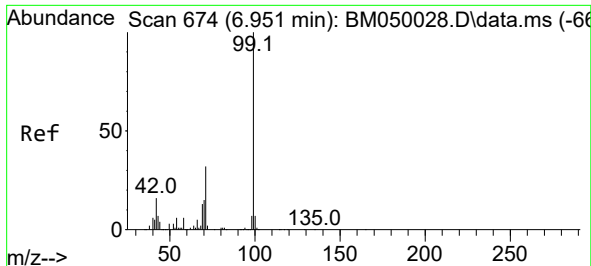
Tgt Ion:152 Resp: 299196
Ion Ratio Lower Upper
152 100
150 152.2 124.1 186.1
115 52.1 41.2 61.8



#5
2-Fluorophenol
Concen: 85.954 ng
RT: 5.334 min Scan# 399
Delta R.T. -0.024 min
Lab File: BM050155.D
Acq: 08 May 2025 20:35

Tgt Ion:112 Resp: 1468650
Ion Ratio Lower Upper
112 100
64 55.6 42.6 64.0
63 28.2 22.2 33.4

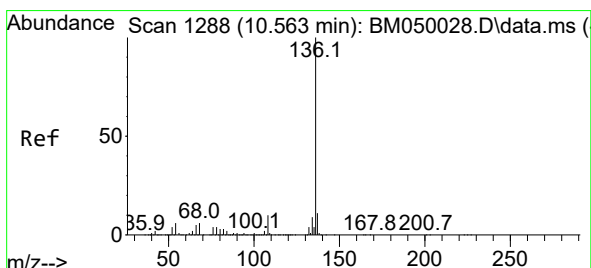
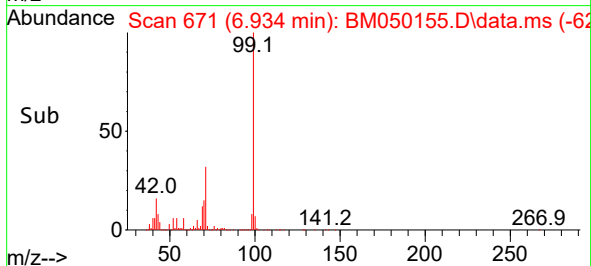
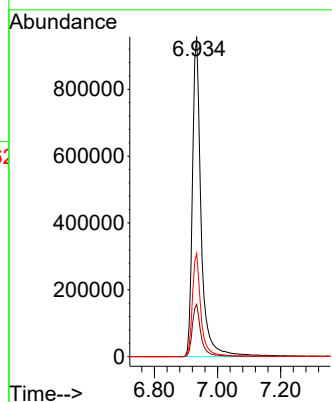
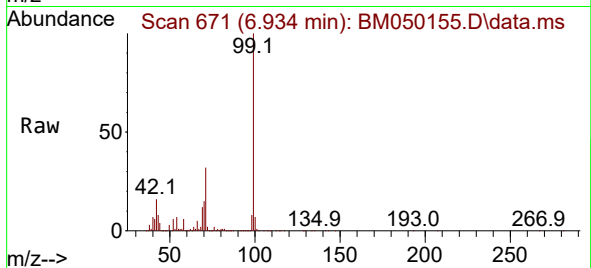




#7
Phenol-d6
Concen: 85.734 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050155.D
Acq: 08 May 2025 20:35

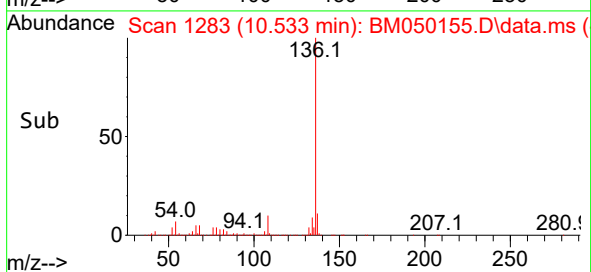
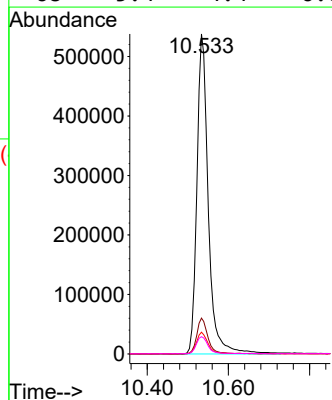
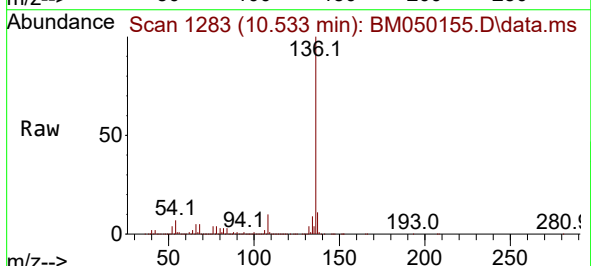
Instrument :
BNA_M
ClientSampleId :
TR-06-05072025

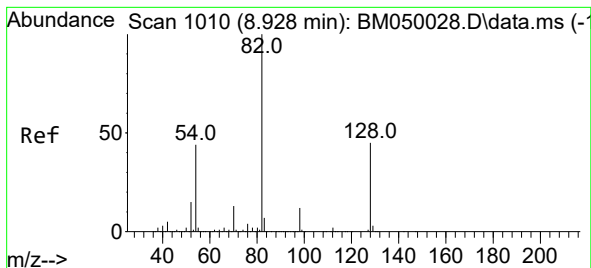
Tgt Ion: 99 Resp: 1841185
Ion Ratio Lower Upper
99 100
42 16.3 13.0 19.4
71 32.2 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.533 min Scan# 1283
Delta R.T. -0.029 min
Lab File: BM050155.D
Acq: 08 May 2025 20:35

Tgt Ion: 136 Resp: 1053125
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 6.8 5.1 7.7
68 5.4 4.4 6.6



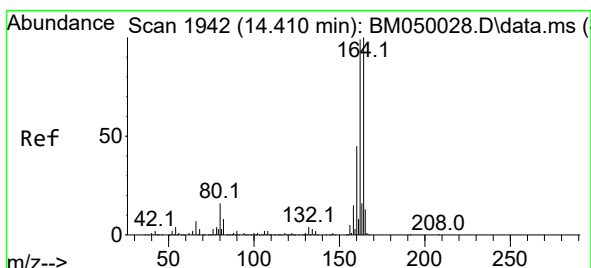
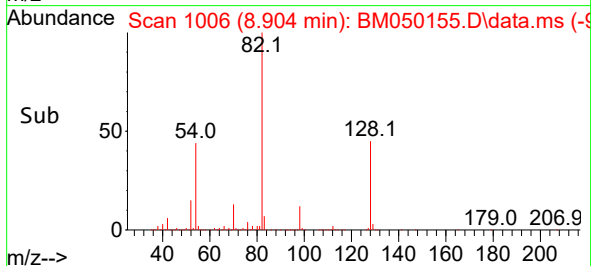
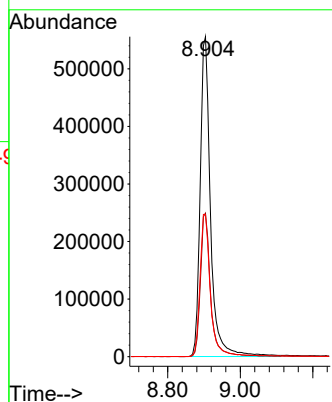
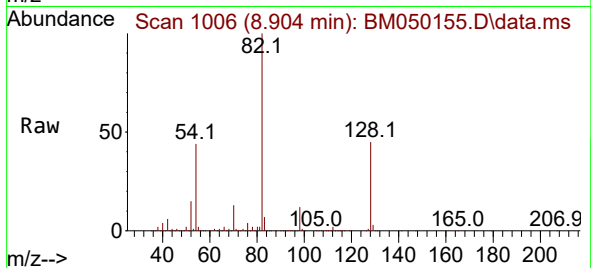


#23
Nitrobenzene-d5
Concen: 51.483 ng
RT: 8.904 min Scan# 1006
Delta R.T. -0.024 min
Lab File: BM050155.D
Acq: 08 May 2025 20:35

Instrument :
BNA_M
ClientSampleId :
TR-06-05072025

Tgt Ion: 82 Resp: 1100279

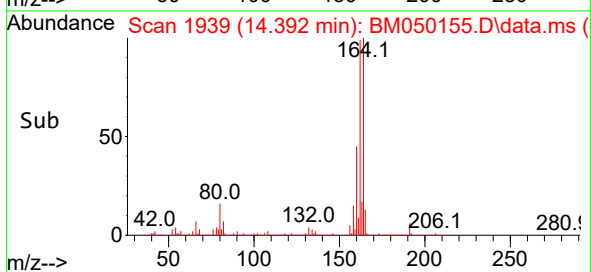
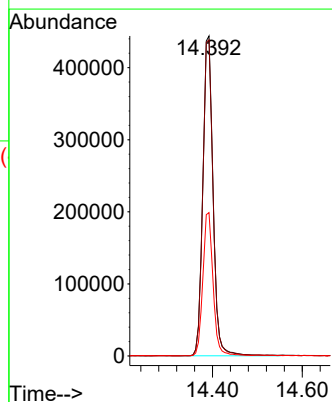
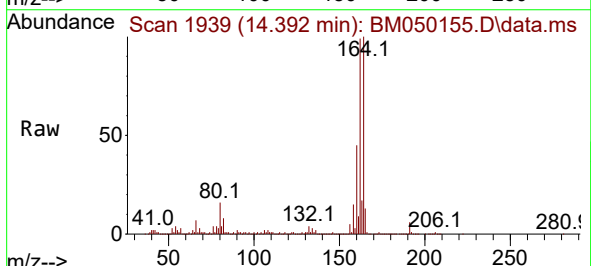
Ion	Ratio	Lower	Upper
82	100		
128	44.8	35.7	53.5
54	44.5	35.4	53.2

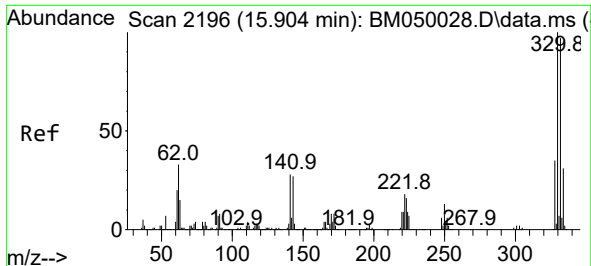


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050155.D
Acq: 08 May 2025 20:35

Tgt Ion: 164 Resp: 702551

Ion	Ratio	Lower	Upper
164	100		
162	98.8	79.4	119.0
160	44.8	36.2	54.4





#42

2,4,6-Tribromophenol

Concen: 84.941 ng

RT: 15.892 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050155.D

Acq: 08 May 2025 20:35

Instrument :

BNA_M

ClientSampleId :

TR-06-05072025

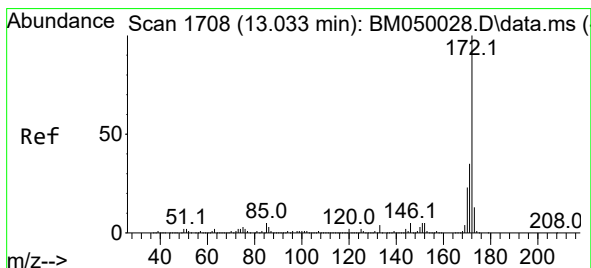
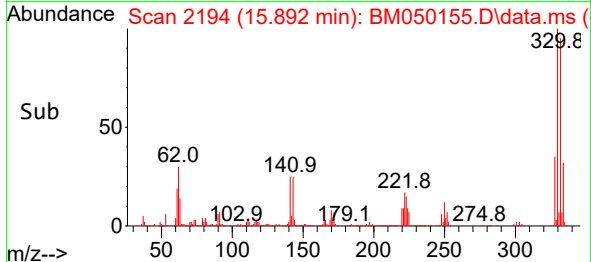
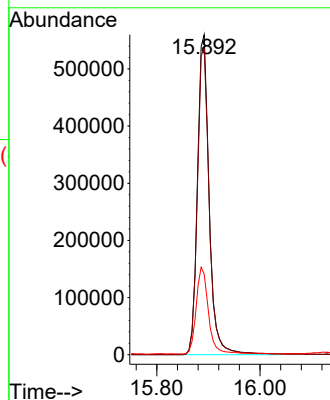
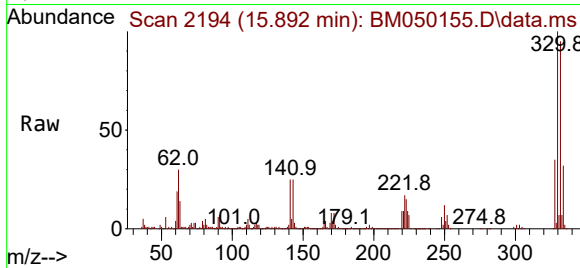
Tgt Ion:330 Resp: 882381

Ion Ratio Lower Upper

330 100

332 97.2 77.3 115.9

141 28.1 22.5 33.7



#45

2-Fluorobiphenyl

Concen: 48.222 ng

RT: 13.004 min Scan# 1703

Delta R.T. -0.029 min

Lab File: BM050155.D

Acq: 08 May 2025 20:35

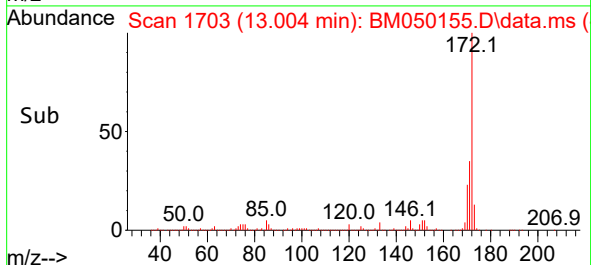
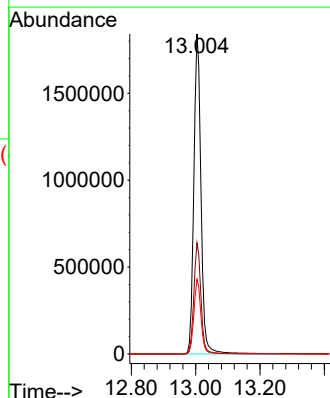
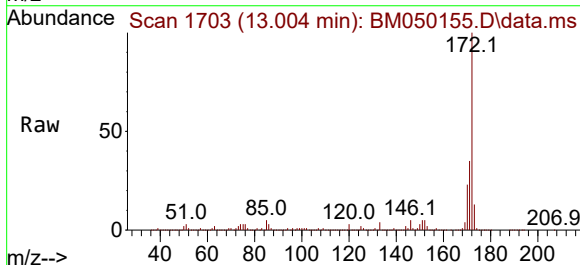
Tgt Ion:172 Resp: 2863785

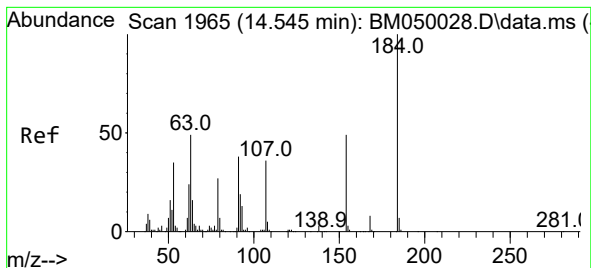
Ion Ratio Lower Upper

172 100

171 34.7 27.8 41.6

170 23.3 18.6 28.0





#54

2,4-Dinitrophenol

Concen: 5.753 ng

RT: 14.751 min Scan# 20

Delta R.T. 0.206 min

Lab File: BM050155.D

Acq: 08 May 2025 20:35

Instrument :

BNA_M

ClientSampleId :

TR-06-05072025

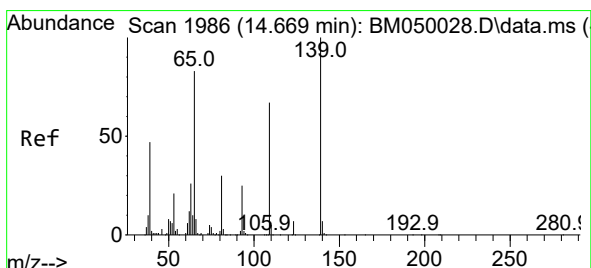
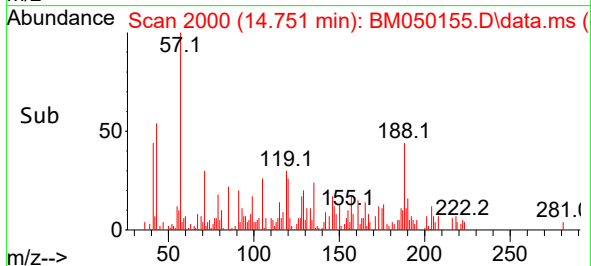
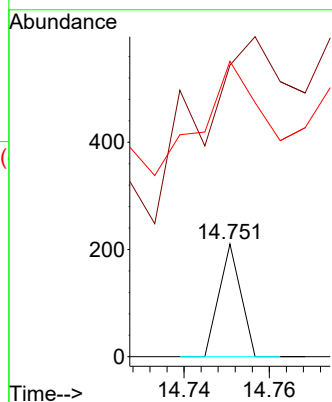
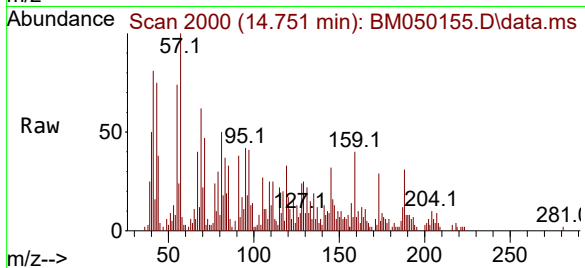
Tgt Ion:184 Resp: 74

Ion Ratio Lower Upper

184 100

63 259.0 39.8 59.6#

154 262.4 46.1 69.1#



#56

4-Nitrophenol

Concen: 4.566 ng

RT: 14.633 min Scan# 1980

Delta R.T. -0.036 min

Lab File: BM050155.D

Acq: 08 May 2025 20:35

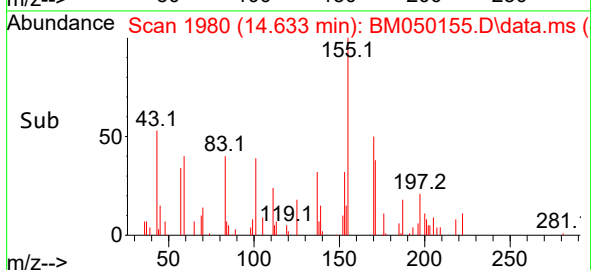
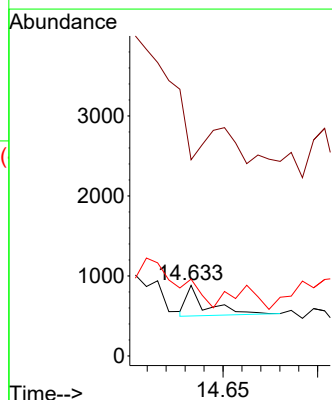
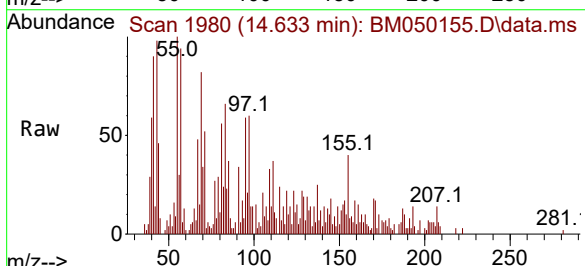
Tgt Ion:139 Resp: 279

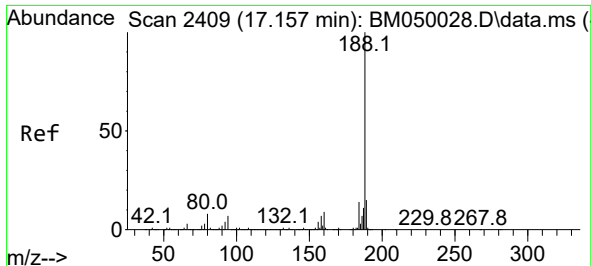
Ion Ratio Lower Upper

139 100

109 277.8 47.0 87.0#

65 108.8 64.3 104.3#

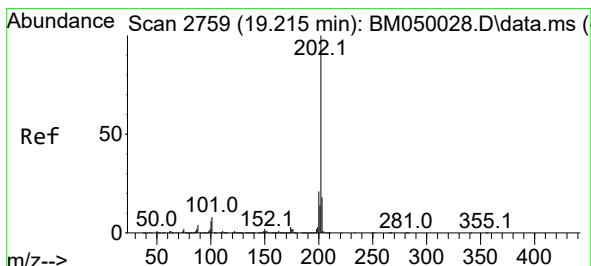
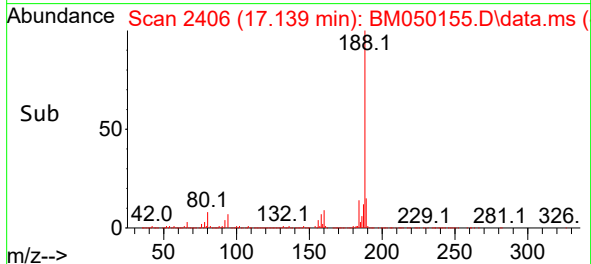
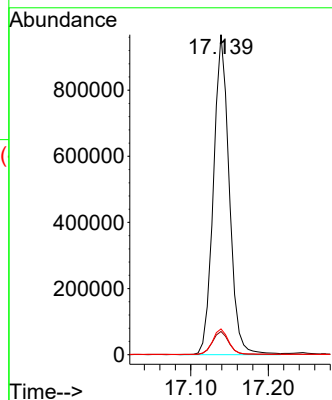
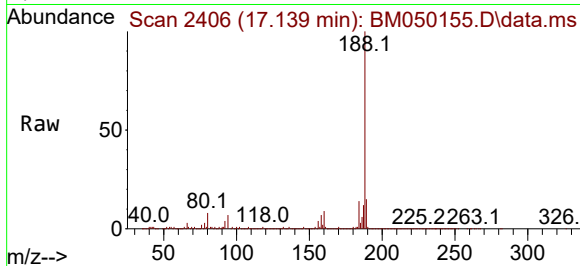




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.139 min Scan# 2406
Delta R.T. -0.018 min
Lab File: BM050155.D
Acq: 08 May 2025 20:35

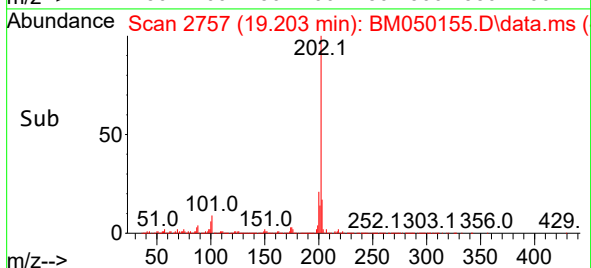
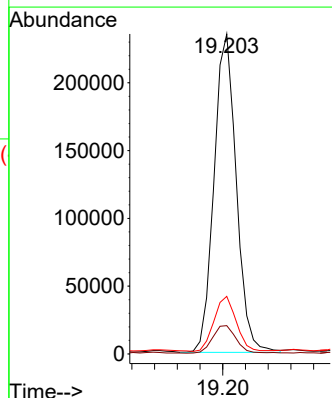
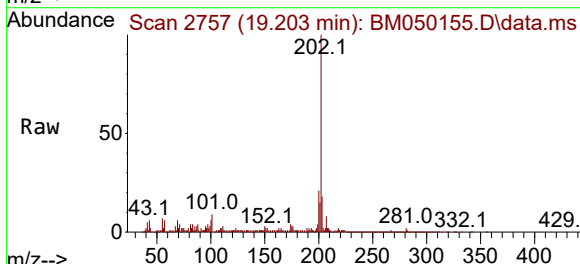
Instrument :
BNA_M
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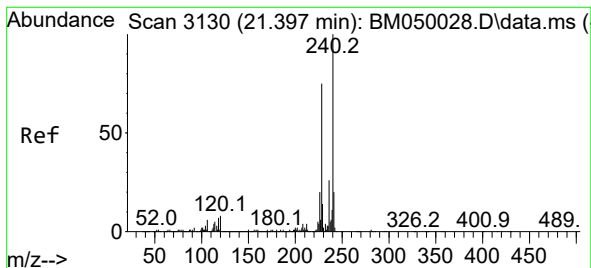
Tgt Ion:188 Resp: 1367948
Ion Ratio Lower Upper
188 100
94 7.2 5.7 8.5
80 8.1 6.2 9.4



#75
Fluoranthene
Concen: 3.532 ng
RT: 19.203 min Scan# 2757
Delta R.T. -0.012 min
Lab File: BM050155.D
Acq: 08 May 2025 20:35

Tgt Ion:202 Resp: 319942
Ion Ratio Lower Upper
202 100
101 8.8 0.0 28.0
203 18.0 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.380 min Scan# 31

Delta R.T. -0.017 min

Lab File: BM050155.D

Acq: 08 May 2025 20:35

Instrument :

BNA_M

ClientSampleId :

TR-06-05072025

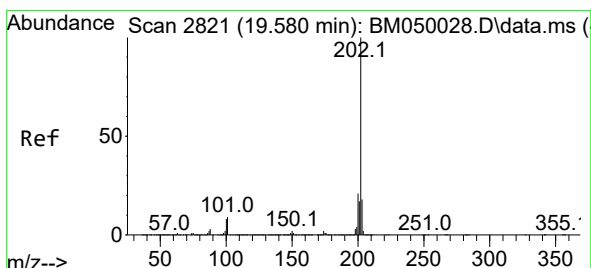
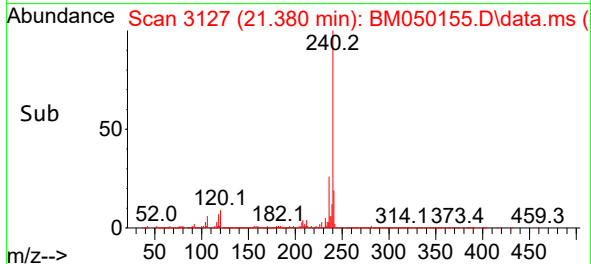
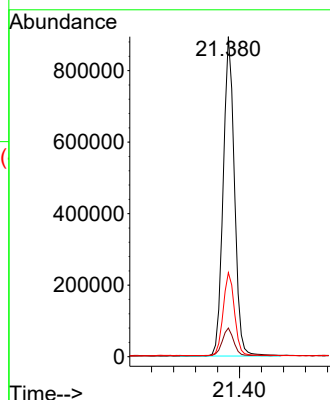
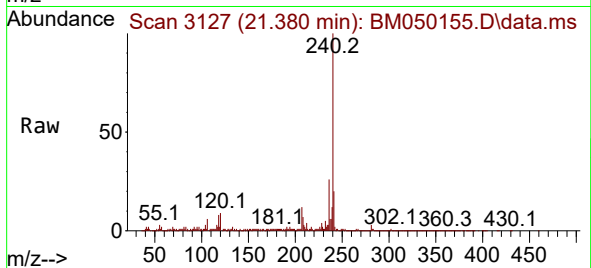
Tgt Ion:240 Resp: 1272257

Ion Ratio Lower Upper

240 100

120 8.9 6.5 9.7

236 26.2 20.9 31.3



#78

Pyrene

Concen: 3.770 ng

RT: 19.562 min Scan# 2818

Delta R.T. -0.018 min

Lab File: BM050155.D

Acq: 08 May 2025 20:35

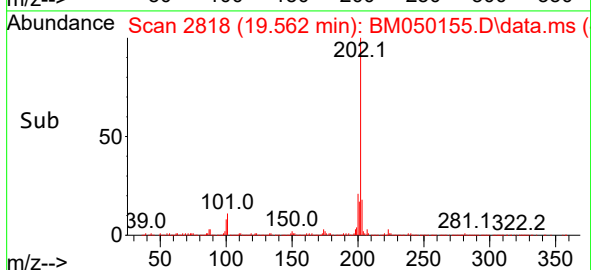
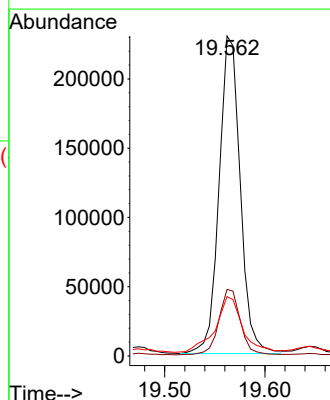
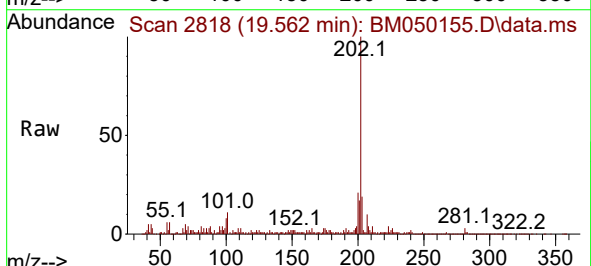
Tgt Ion:202 Resp: 336832

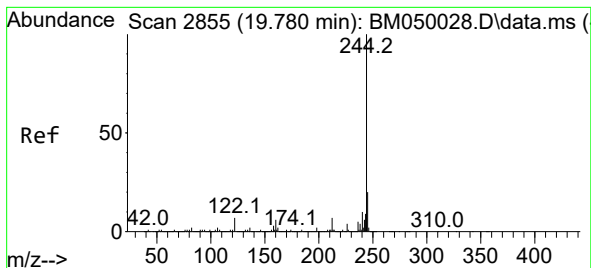
Ion Ratio Lower Upper

202 100

200 20.8 16.7 25.1

203 18.6 14.1 21.1





#79

Terphenyl-d14

Concen: 51.328 ng

RT: 19.762 min Scan# 2

Delta R.T. -0.018 min

Lab File: BM050155.D

Acq: 08 May 2025 20:35

Instrument :

BNA_M

ClientSampleId :

TR-06-05072025

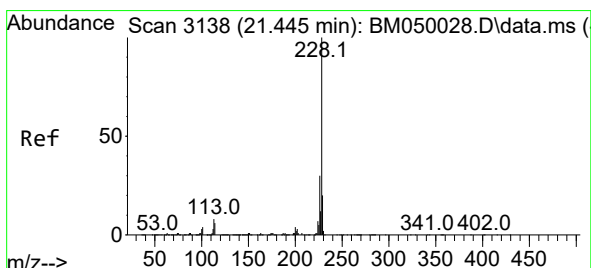
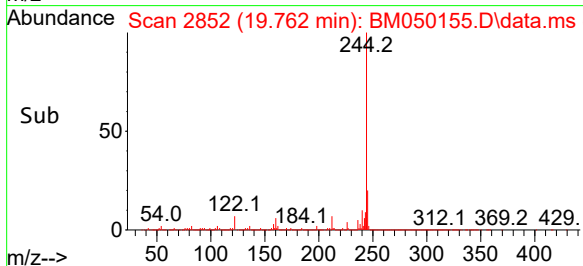
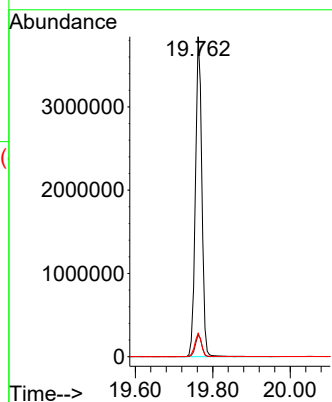
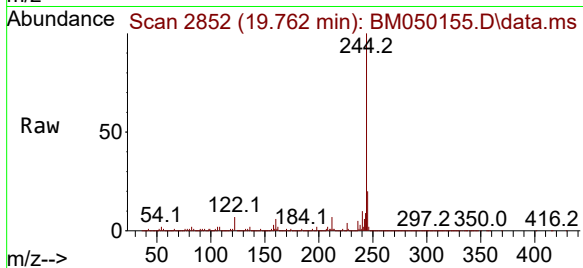
Tgt Ion:244 Resp: 4413117

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

122 7.3 5.6 8.4



#83

Chrysene

Concen: 2.337 ng

RT: 21.421 min Scan# 3134

Delta R.T. -0.024 min

Lab File: BM050155.D

Acq: 08 May 2025 20:35

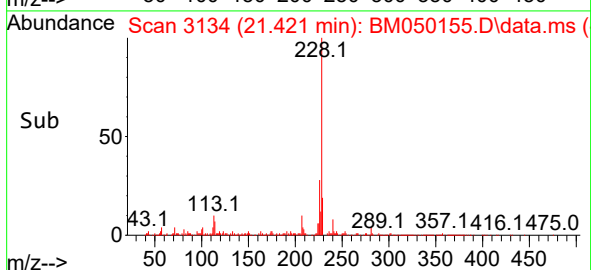
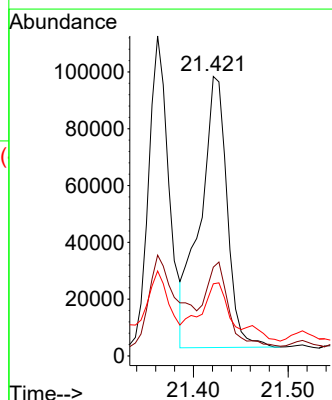
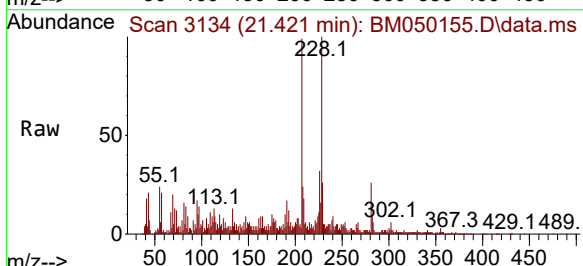
Tgt Ion:228 Resp: 189472

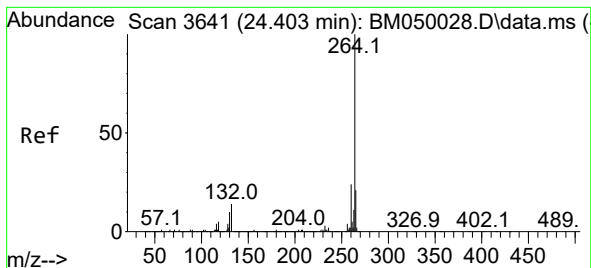
Ion Ratio Lower Upper

228 100

226 31.7 24.2 36.2

229 25.8 15.7 23.5#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.374 min Scan# 3

Delta R.T. -0.029 min

Lab File: BM050155.D

Acq: 08 May 2025 20:35

Instrument :

BNA_M

ClientSampleId :

TR-06-05072025

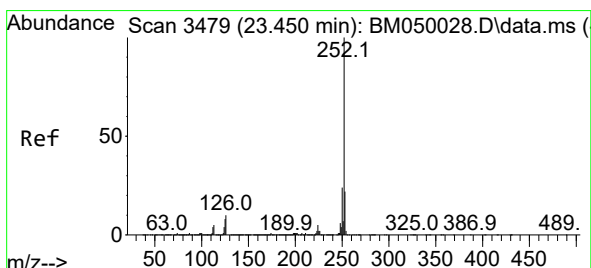
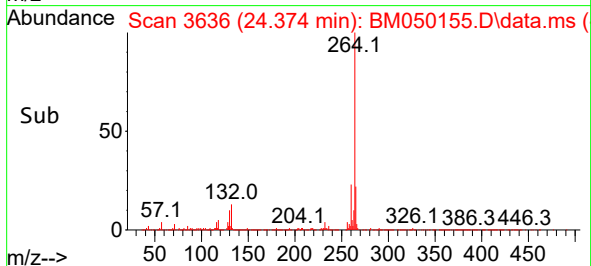
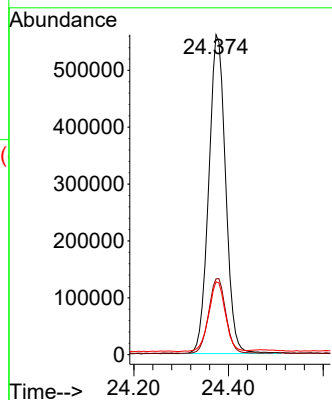
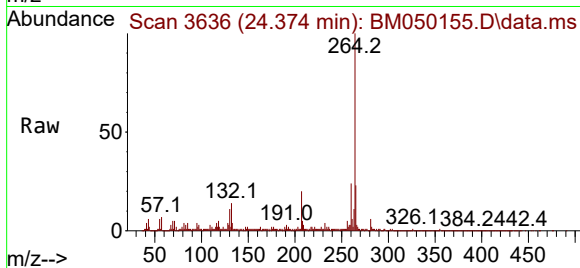
Tgt Ion:264 Resp: 1387823

Ion Ratio Lower Upper

264 100

260 23.7 18.8 28.2

265 22.8 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 2.886 ng

RT: 23.433 min Scan# 3476

Delta R.T. -0.018 min

Lab File: BM050155.D

Acq: 08 May 2025 20:35

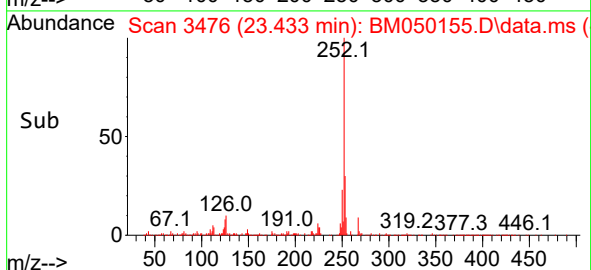
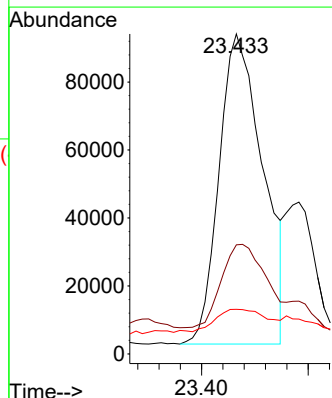
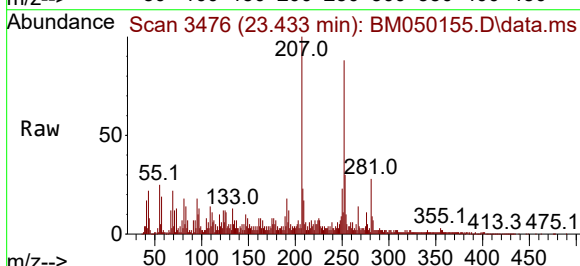
Tgt Ion:252 Resp: 260432

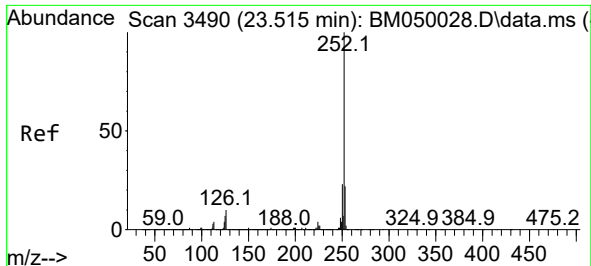
Ion Ratio Lower Upper

252 100

253 34.1 17.7 26.5#

125 14.0 6.1 9.1#

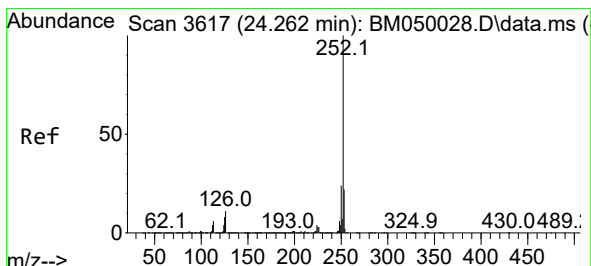
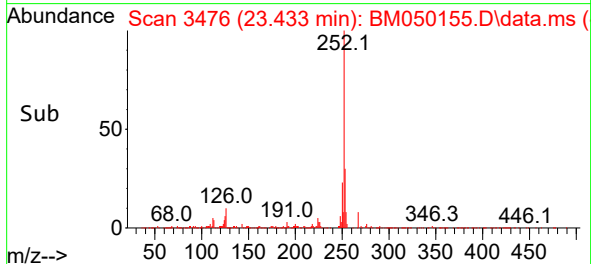
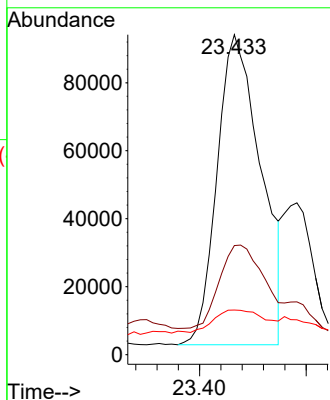
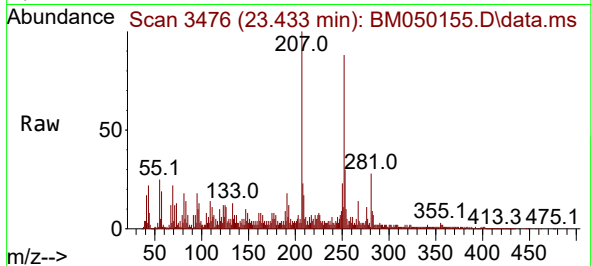




#89
Benzo(k)fluoranthene
Concen: 2.853 ng
RT: 23.433 min Scan# 34
Delta R.T. -0.082 min
Lab File: BM050155.D
Acq: 08 May 2025 20:35

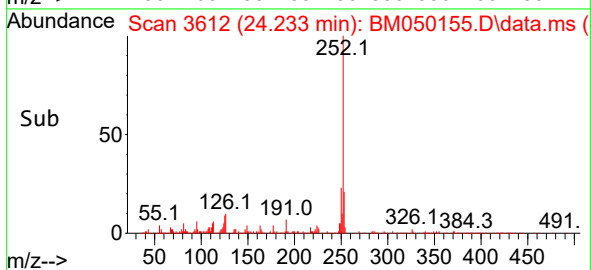
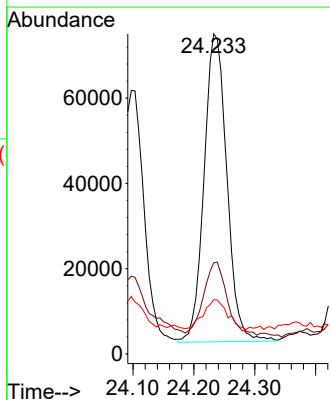
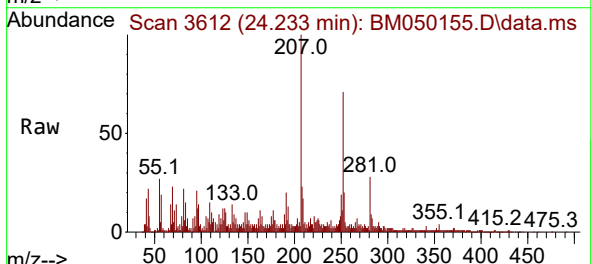
Instrument :
BNA_M
ClientSampleId :
TR-06-05072025

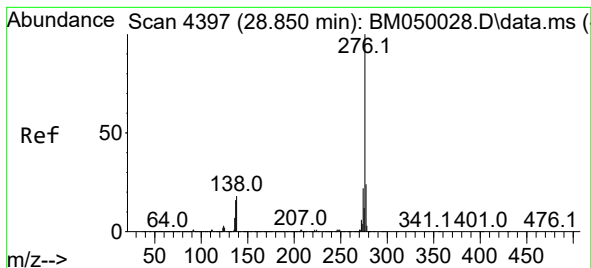
Tgt Ion:252 Resp: 260432
Ion Ratio Lower Upper
252 100
253 34.1 17.4 26.2#
125 14.0 5.8 8.8#



#90
Benzo(a)pyrene
Concen: 2.223 ng
RT: 24.233 min Scan# 3612
Delta R.T. -0.029 min
Lab File: BM050155.D
Acq: 08 May 2025 20:35

Tgt Ion:252 Resp: 187876
Ion Ratio Lower Upper
252 100
253 28.5 17.4 26.0#
125 17.0 6.6 9.8#





#92

Benzo(g,h,i)perylene

Concen: 2.323 ng

RT: 28.826 min Scan# 41

Delta R.T. -0.024 min

Lab File: BM050155.D

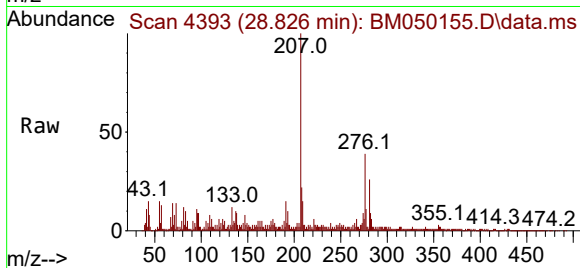
Acq: 08 May 2025 20:35

Instrument :

BNA_M

ClientSampleId :

TR-06-05072025



Tgt Ion:276 Resp: 187503

Ion Ratio Lower Upper

276 100

277 29.4 19.1 28.7#

138 22.2 14.3 21.5#

