

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
 Data File : BM050075.D
 Acq On : 01 May 2025 21:57
 Operator : RC/JU
 Sample : Q1900-09 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-3

Quant Time: May 02 01:13:29 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

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

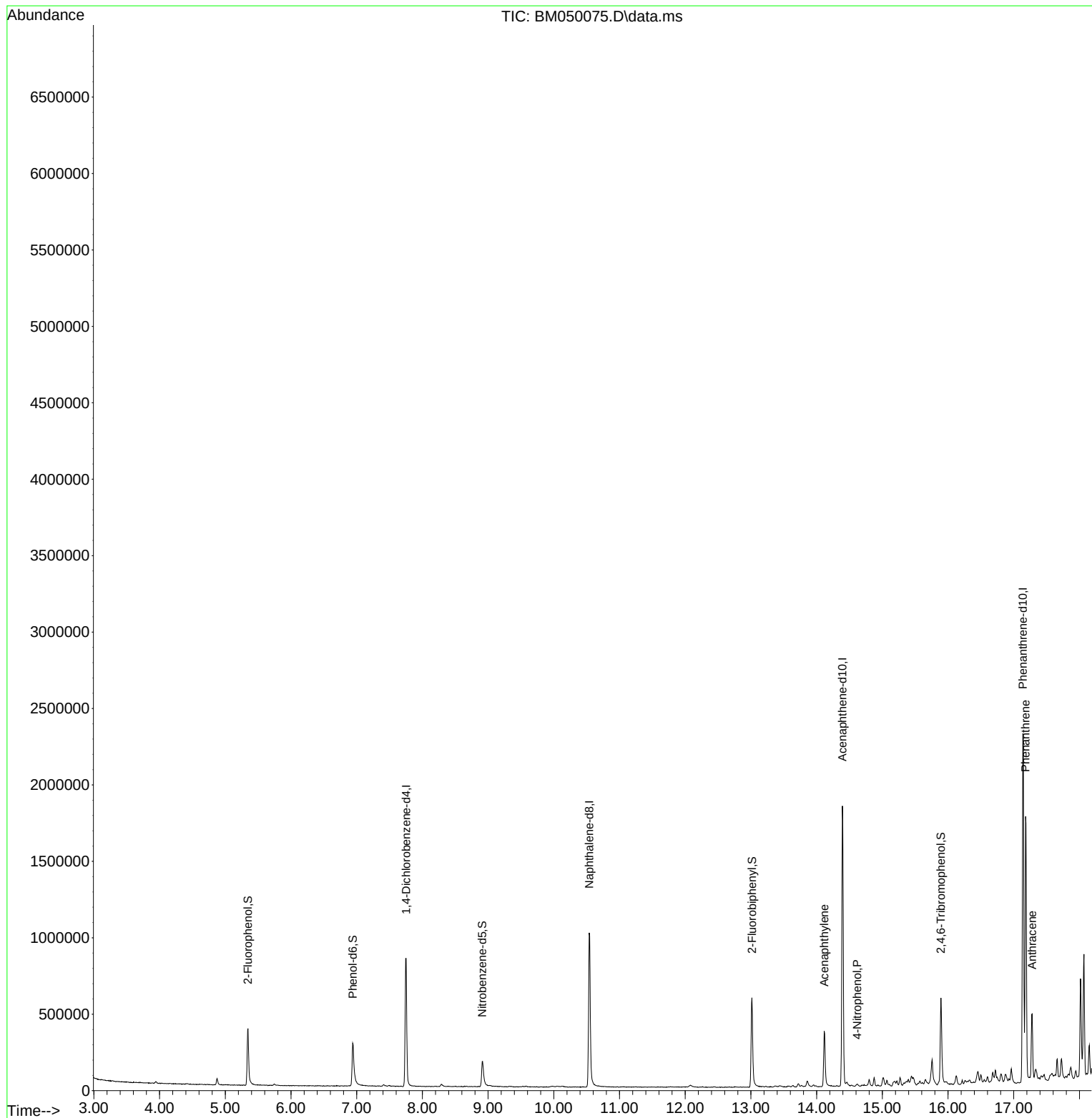
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.751	152	267028	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	976524	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	684006	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	1415488	20.000	ng	-0.02
76) Chrysene-d12	21.380	240	1424302	20.000	ng	-0.02
86) Perylene-d12	24.374	264	1390959	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.345	112	197504	12.952	ng	-0.01
7) Phenol-d6	6.939	99	232802	12.146	ng	-0.01
23) Nitrobenzene-d5	8.910	82	142871	7.209	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	115563	11.426	ng	-0.01
45) 2-Fluorobiphenyl	13.016	172	387499	6.702	ng	-0.02
79) Terphenyl-d14	19.768	244	637604	6.624	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	14.116	152	306712	4.831	ng	100
56) 4-Nitrophenol	14.615	139	379	4.578	ng	# 60
71) Phenanthrene	17.180	178	1114062	13.954	ng	100
72) Anthracene	17.280	178	304576	3.770	ng	98
75) Fluoranthene	19.203	202	3130226	33.396	ng	100
78) Pyrene	19.568	202	2897006	28.965	ng	100
81) Benzo(a)anthracene	21.362	228	1618181	16.498	ng	98
83) Chrysene	21.427	228	1309452	14.425	ng	98
87) Indeno(1,2,3-cd)pyrene	27.750	276	590207	5.695	ng	97
88) Benzo(b)fluoranthene	23.433	252	1384285	15.303	ng	99
89) Benzo(k)fluoranthene	23.433	252	1384285	15.129	ng	98
90) Benzo(a)pyrene	24.233	252	969587	11.444	ng	98
92) Benzo(g,h,i)perylene	28.803	276	516460	6.385	ng	98

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

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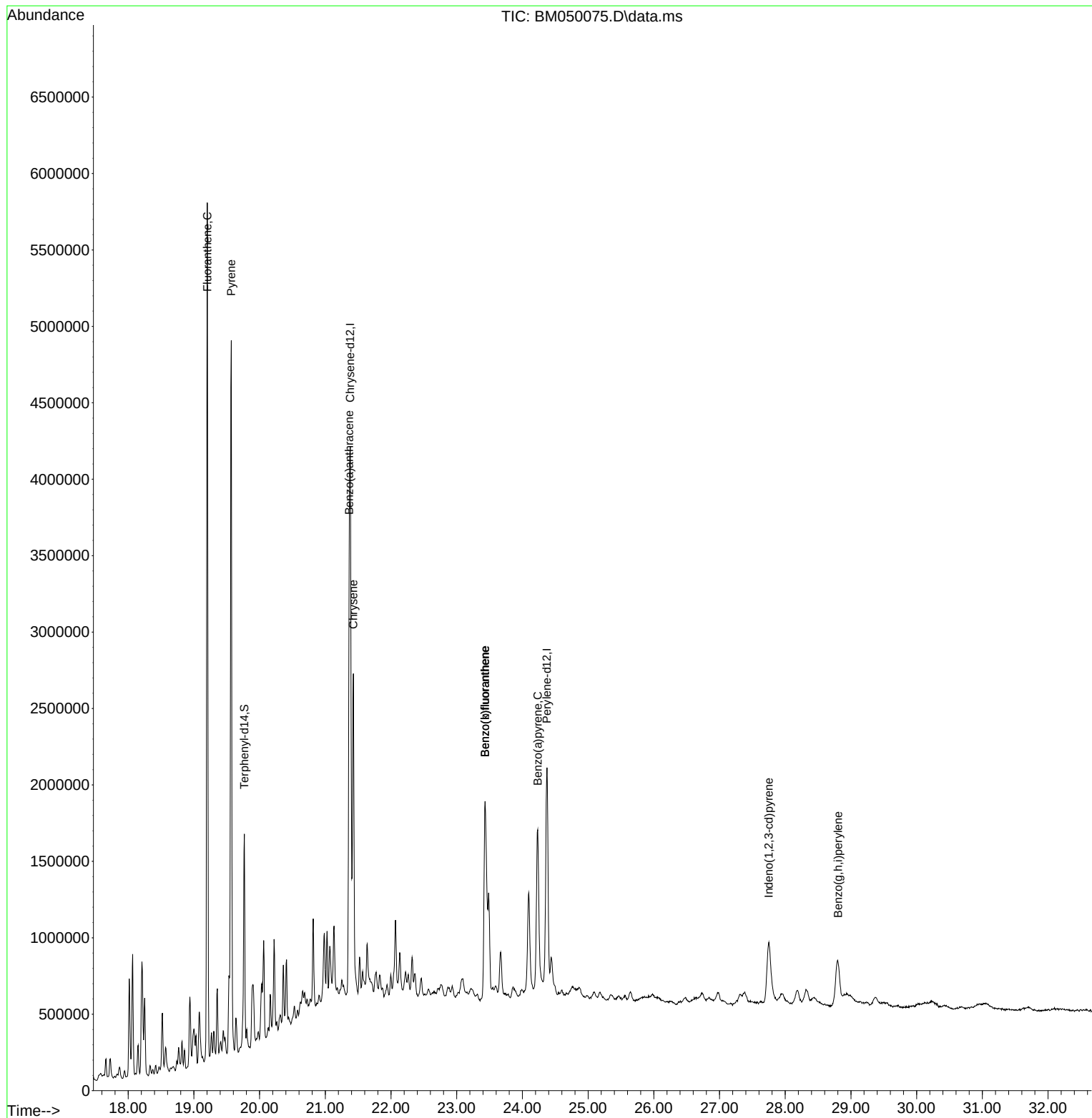
Quant Time: May 02 01:13:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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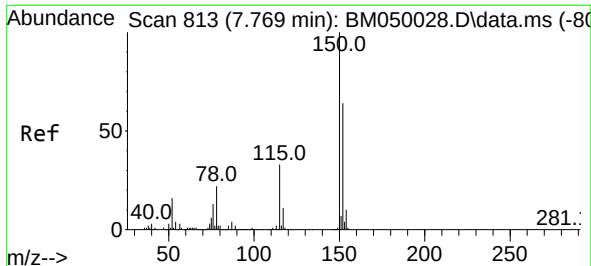


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
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Quant Time: May 02 01:13:29 2025
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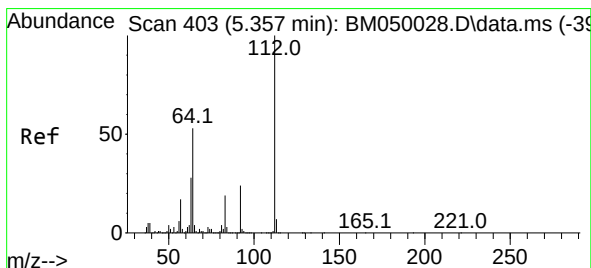
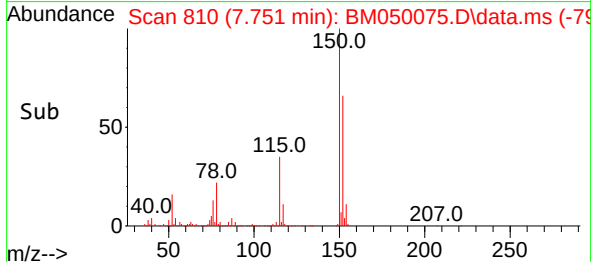
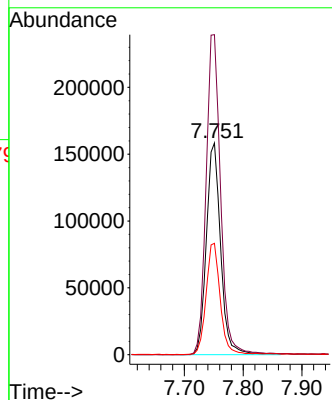
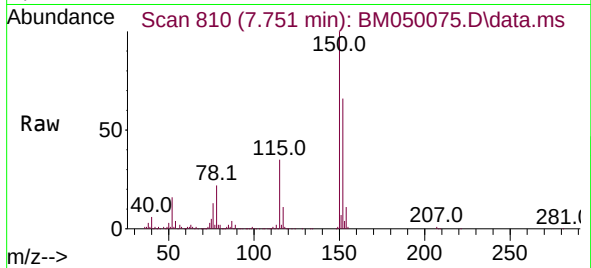




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.751 min Scan# 813
Delta R.T. -0.018 min
Lab File: BM050075.D
Acq: 01 May 2025 21:57

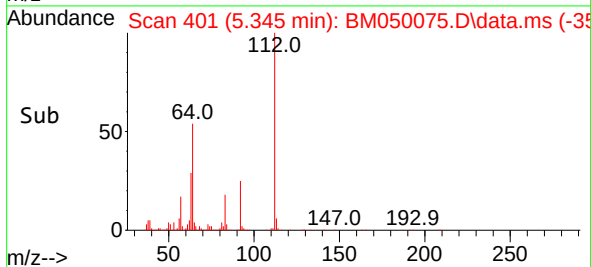
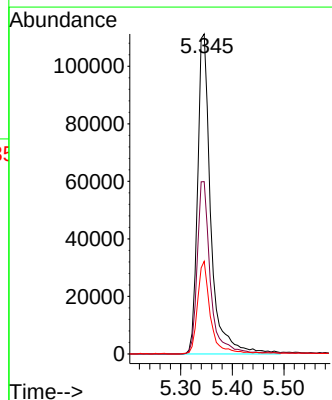
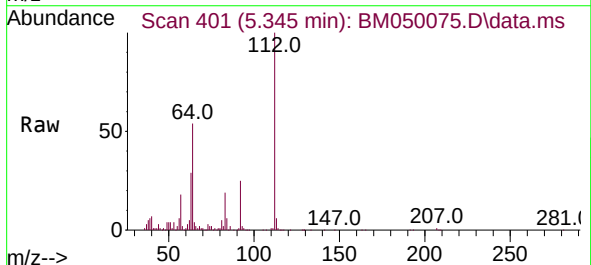
Instrument :
BNA_M
ClientSampleId :
WC-3

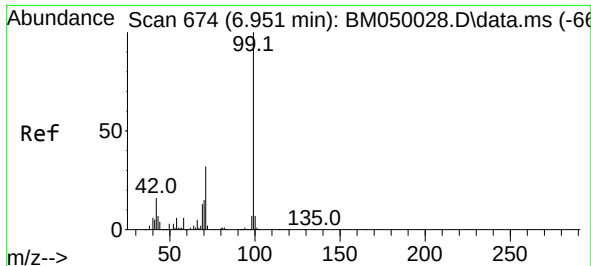
Tgt Ion:152 Resp: 267028
Ion Ratio Lower Upper
152 100
150 151.2 124.1 186.1
115 52.6 41.2 61.8



#5
2-Fluorophenol
Concen: 12.952 ng
RT: 5.345 min Scan# 401
Delta R.T. -0.012 min
Lab File: BM050075.D
Acq: 01 May 2025 21:57

Tgt Ion:112 Resp: 197504
Ion Ratio Lower Upper
112 100
64 53.9 42.6 64.0
63 28.9 22.2 33.4

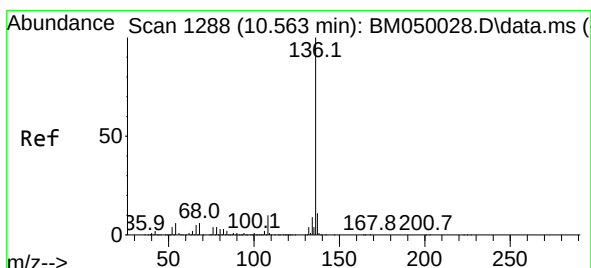
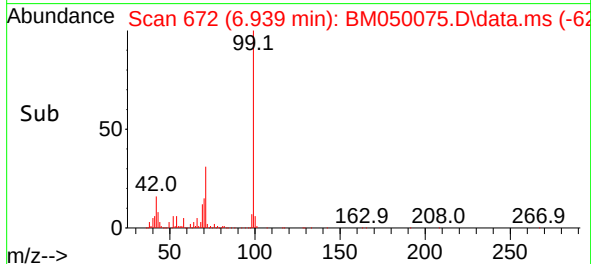
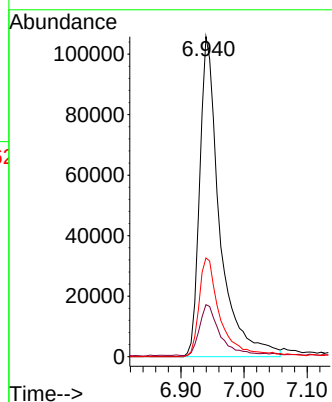
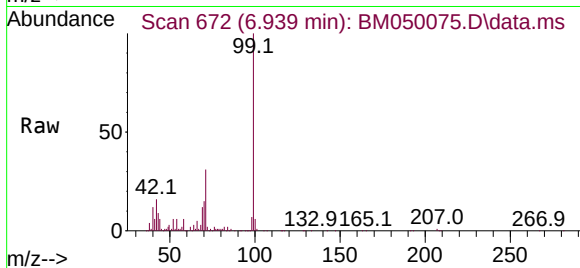




#7
Phenol-d6
Concen: 12.146 ng
RT: 6.939 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM050075.D
Acq: 01 May 2025 21:57

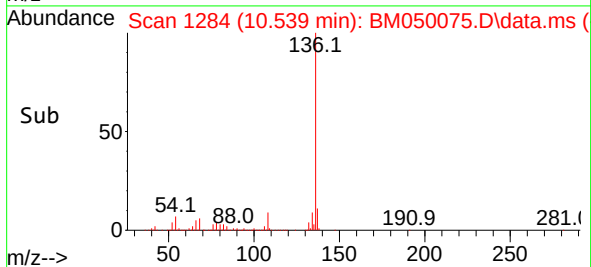
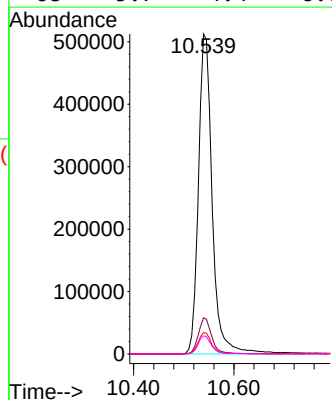
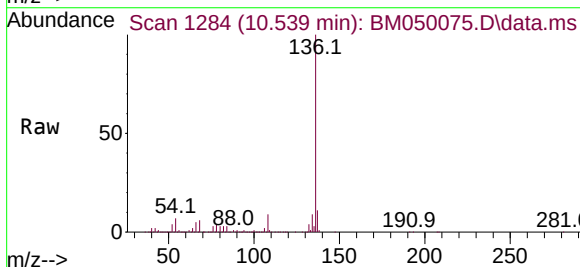
Instrument :
BNA_M
ClientSampleId :
WC-3

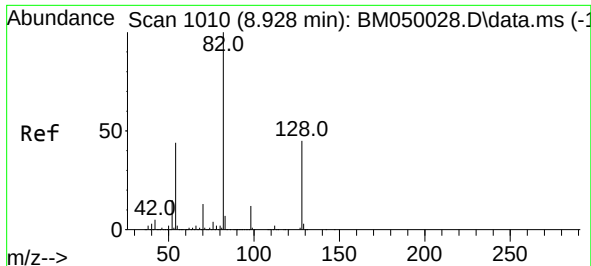
Tgt Ion: 99 Resp: 232802
Ion Ratio Lower Upper
99 100
42 16.2 13.0 19.4
71 30.9 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BM050075.D
Acq: 01 May 2025 21:57

Tgt Ion: 136 Resp: 976524
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 6.7 5.1 7.7
68 5.7 4.4 6.6





#23

Nitrobenzene-d5

Concen: 7.209 ng

RT: 8.910 min Scan# 1010

Delta R.T. -0.018 min

Lab File: BM050075.D

Acq: 01 May 2025 21:57

Instrument :

BNA_M

ClientSampleId :

WC-3

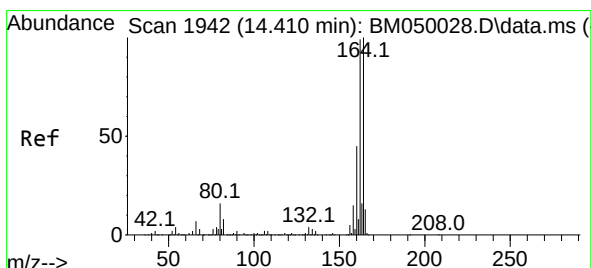
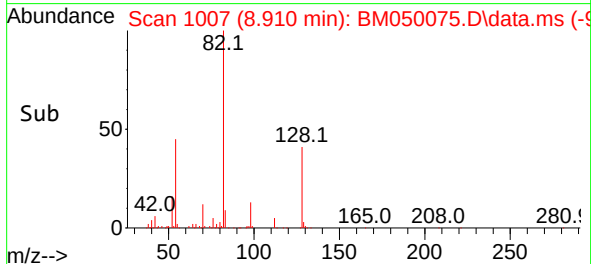
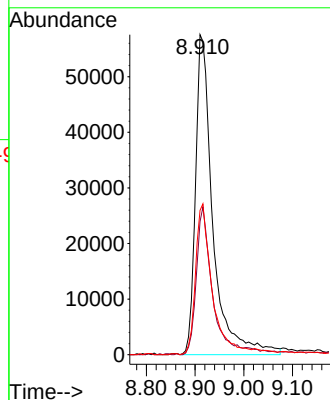
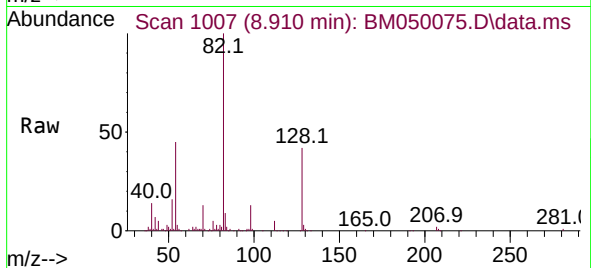
Tgt Ion: 82 Resp: 142871

Ion Ratio Lower Upper

82 100

128 41.6 35.7 53.5

54 45.1 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: BM050075.D

Acq: 01 May 2025 21:57

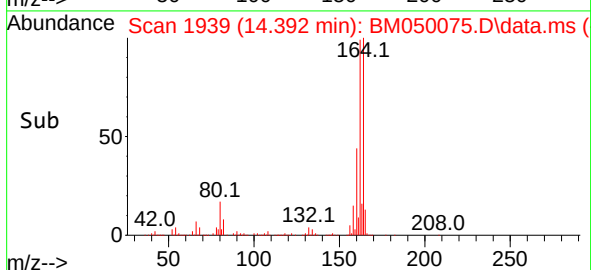
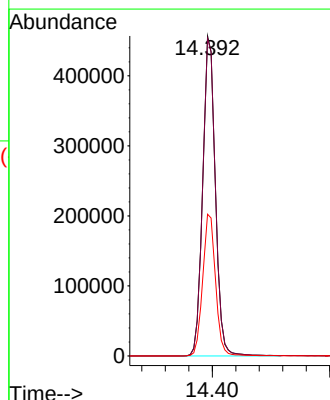
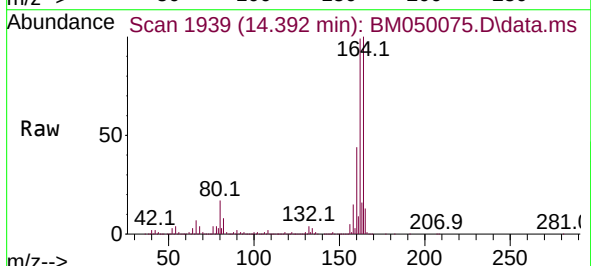
Tgt Ion:164 Resp: 684006

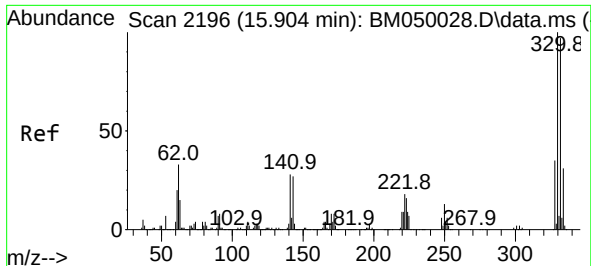
Ion Ratio Lower Upper

164 100

162 99.3 79.4 119.0

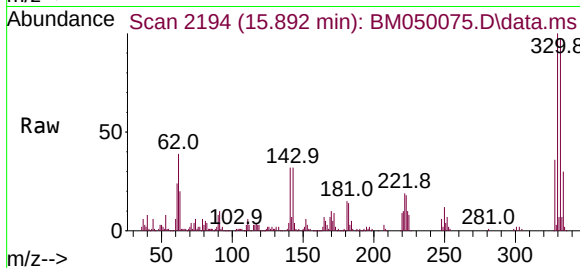
160 44.3 36.2 54.4



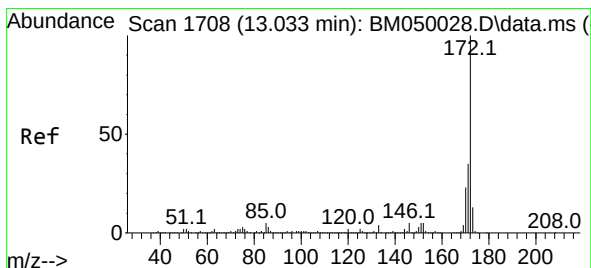
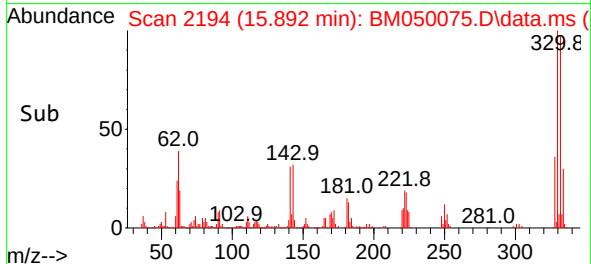
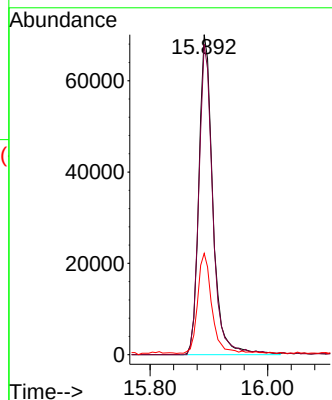


#42
2,4,6-Tribromophenol
Concen: 11.426 ng
RT: 15.892 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BM050075.D
Acq: 01 May 2025 21:57

Instrument :
BNA_M
ClientSampleId :
WC-3

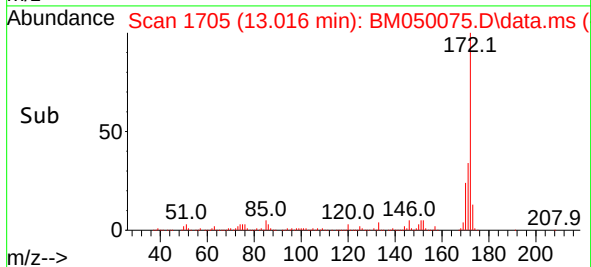
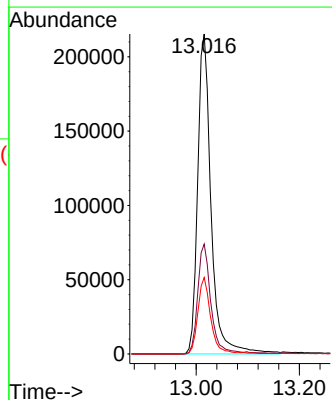
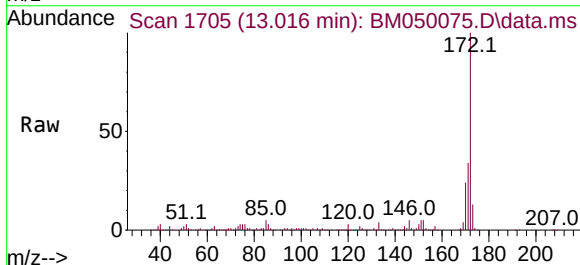


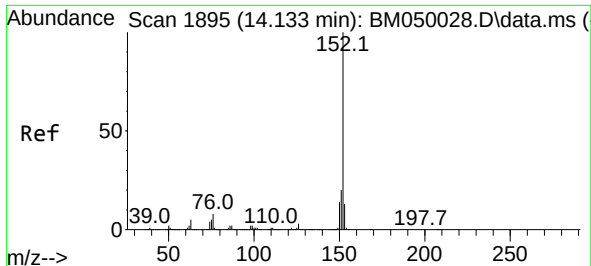
Tgt Ion:330 Resp: 115563
Ion Ratio Lower Upper
330 100
332 96.9 77.3 115.9
141 32.4 22.5 33.7



#45
2-Fluorobiphenyl
Concen: 6.702 ng
RT: 13.016 min Scan# 1705
Delta R.T. -0.018 min
Lab File: BM050075.D
Acq: 01 May 2025 21:57

Tgt Ion:172 Resp: 387499
Ion Ratio Lower Upper
172 100
171 34.4 27.8 41.6
170 23.9 18.6 28.0

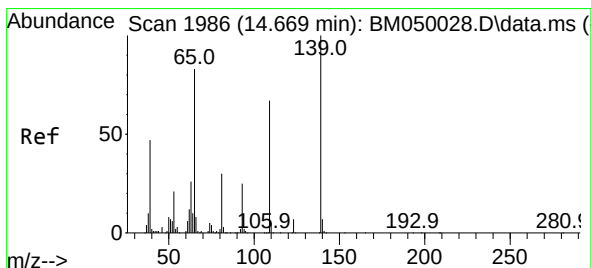
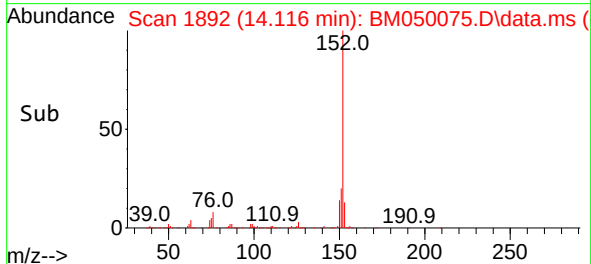
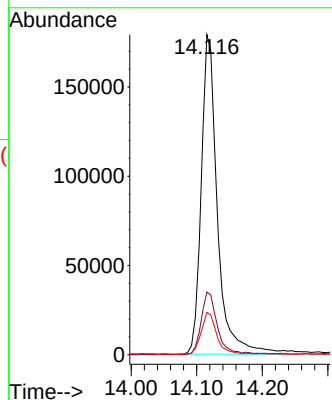
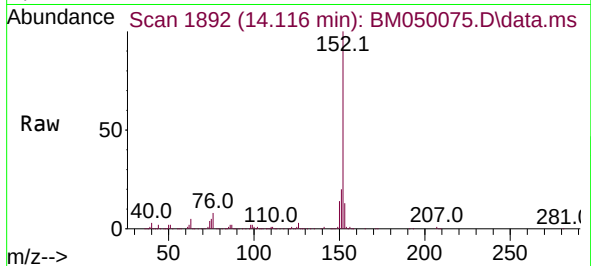




#49
Acenaphthylene
Concen: 4.831 ng
RT: 14.116 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM050075.D
Acq: 01 May 2025 21:57

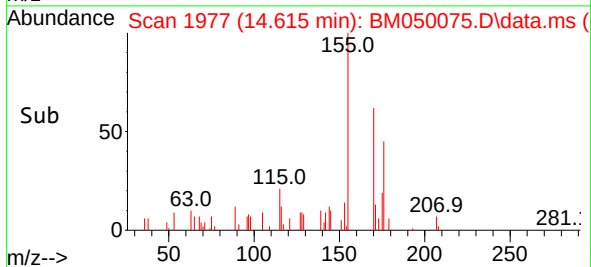
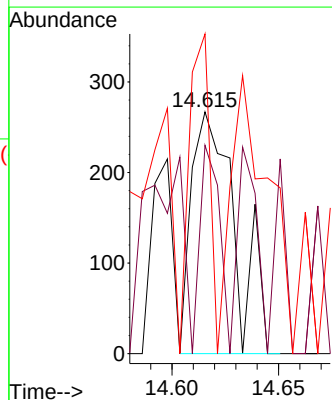
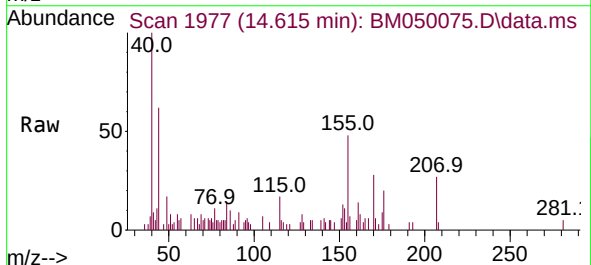
Instrument :
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ClientSampleId :
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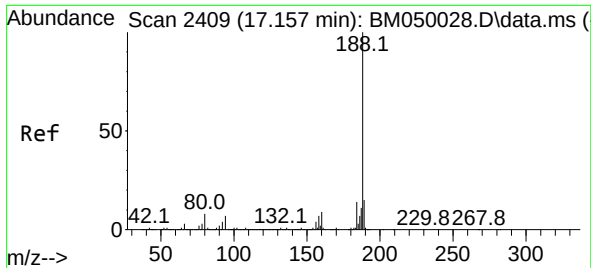
Tgt Ion:152 Resp: 306712
Ion Ratio Lower Upper
152 100
151 19.6 15.8 23.8
153 13.2 10.6 15.8



#56
4-Nitrophenol
Concen: 4.578 ng
RT: 14.615 min Scan# 1977
Delta R.T. -0.054 min
Lab File: BM050075.D
Acq: 01 May 2025 21:57

Tgt Ion:139 Resp: 379
Ion Ratio Lower Upper
139 100
109 86.1 47.0 87.0
65 132.2 64.3 104.3#

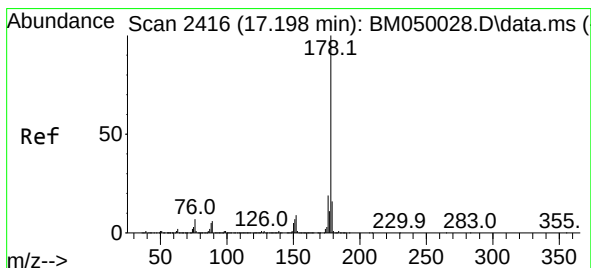
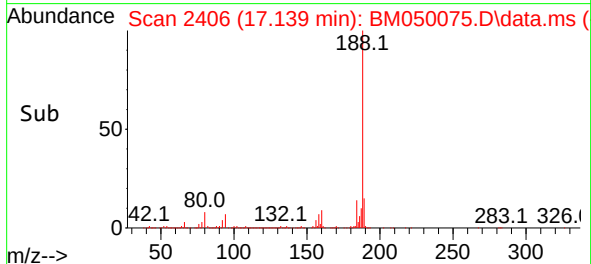
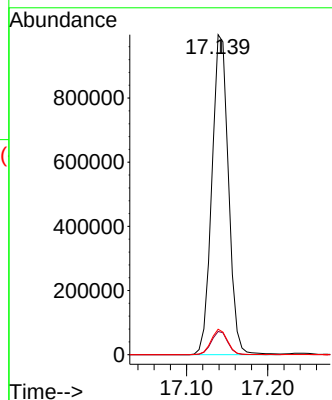
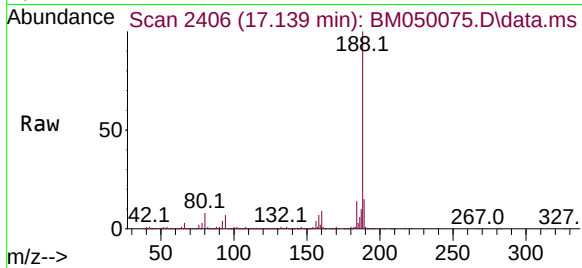




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.139 min Scan# 2406
Delta R.T. -0.018 min
Lab File: BM050075.D
Acq: 01 May 2025 21:57

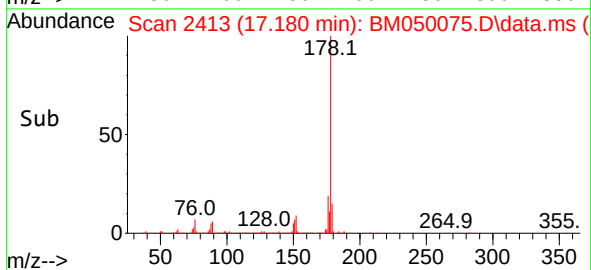
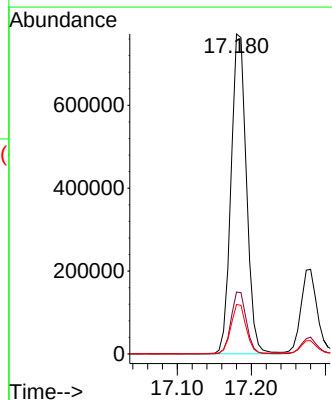
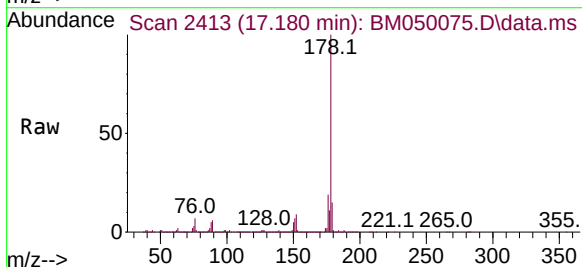
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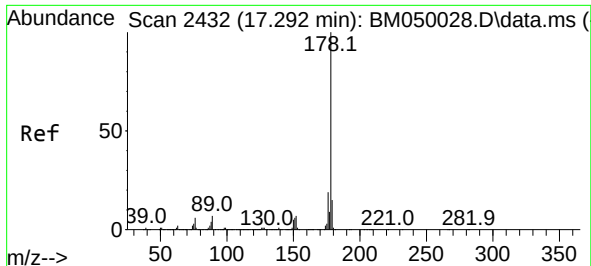
Tgt Ion:188 Resp: 1415488
Ion Ratio Lower Upper
188 100
94 7.3 5.7 8.5
80 7.9 6.2 9.4



#71
Phenanthrene
Concen: 13.954 ng
RT: 17.180 min Scan# 2413
Delta R.T. -0.018 min
Lab File: BM050075.D
Acq: 01 May 2025 21:57

Tgt Ion:178 Resp: 1114062
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.4 12.4 18.6

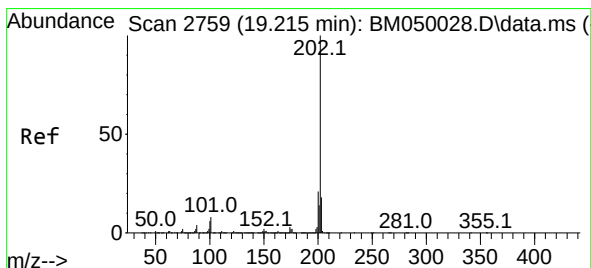
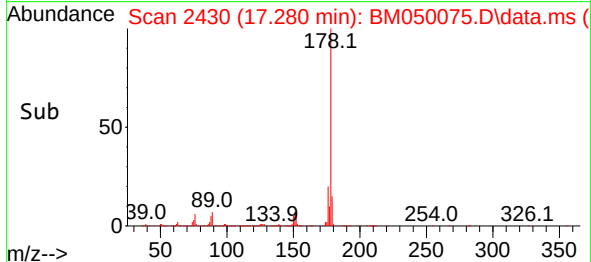
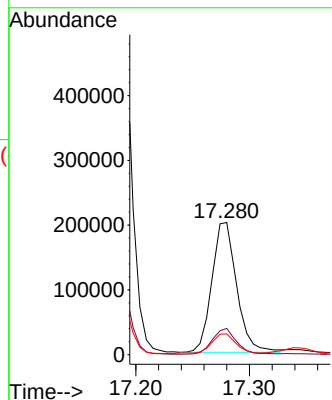
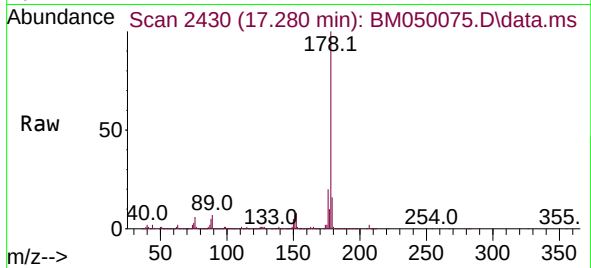




#72
Anthracene
Concen: 3.770 ng
RT: 17.280 min Scan# 2432
Delta R.T. -0.012 min
Lab File: BM050075.D
Acq: 01 May 2025 21:57

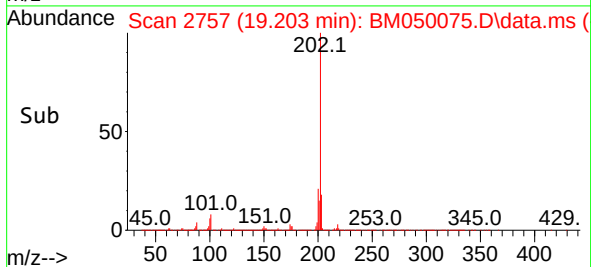
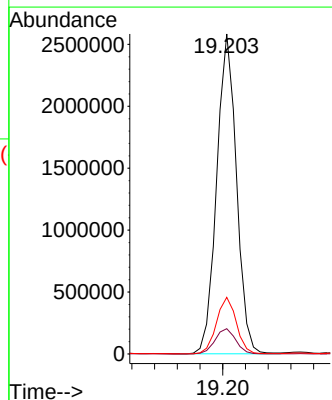
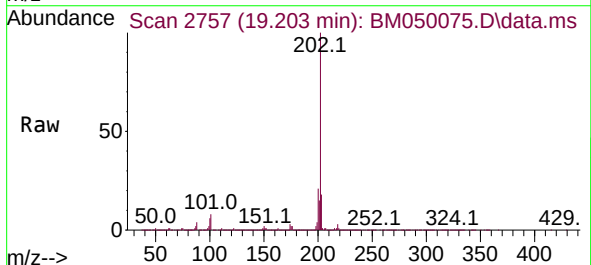
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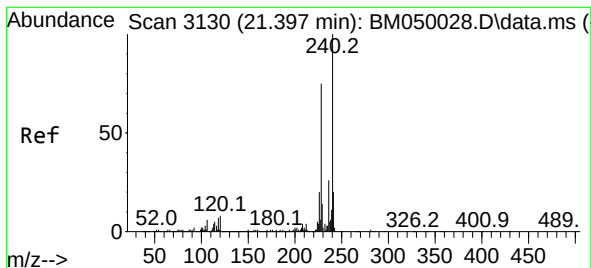
Tgt Ion:178 Resp: 304576
Ion Ratio Lower Upper
178 100
176 19.8 15.0 22.4
179 15.7 12.2 18.4



#75
Fluoranthene
Concen: 33.396 ng
RT: 19.203 min Scan# 2757
Delta R.T. -0.012 min
Lab File: BM050075.D
Acq: 01 May 2025 21:57

Tgt Ion:202 Resp: 3130226
Ion Ratio Lower Upper
202 100
101 7.9 0.0 28.0
203 17.7 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: BM050075.D

Acq: 01 May 2025 21:57

Instrument :

BNA_M

ClientSampleId :

WC-3

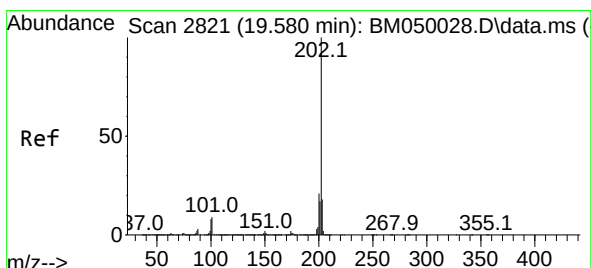
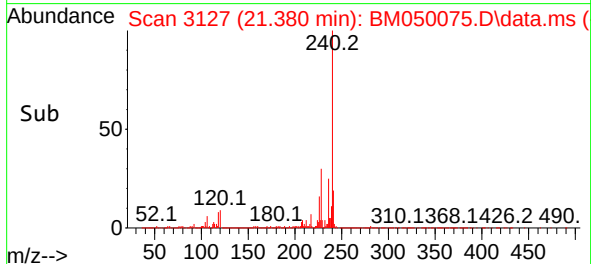
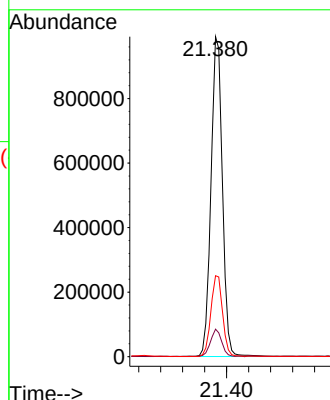
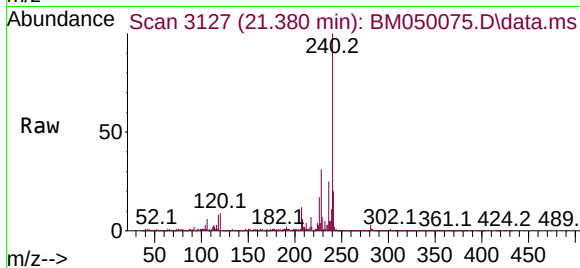
Tgt Ion:240 Resp: 1424302

Ion Ratio Lower Upper

240 100

120 8.6 6.5 9.7

236 25.3 20.9 31.3



#78

Pyrene

Concen: 28.965 ng

RT: 19.568 min Scan# 2819

Delta R.T. -0.012 min

Lab File: BM050075.D

Acq: 01 May 2025 21:57

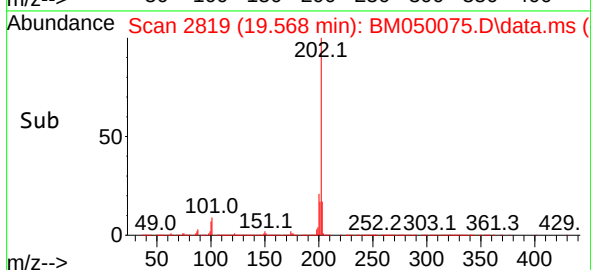
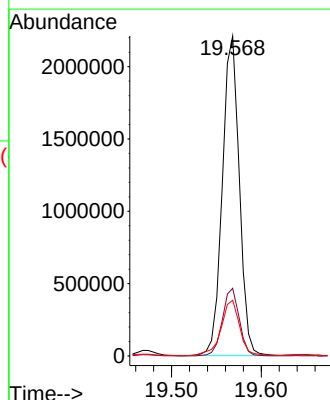
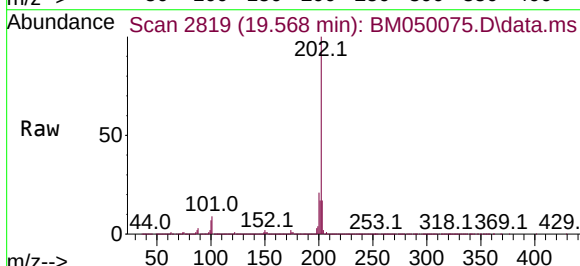
Tgt Ion:202 Resp: 2897006

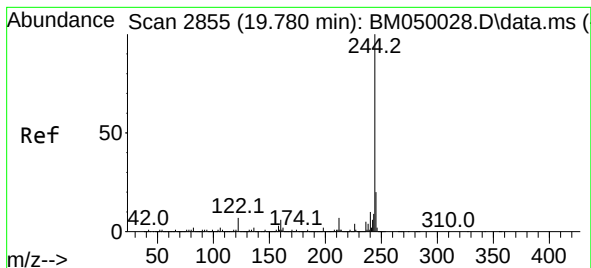
Ion Ratio Lower Upper

202 100

200 21.1 16.7 25.1

203 17.4 14.1 21.1





#79

Terphenyl-d14

Concen: 6.624 ng

RT: 19.768 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050075.D

Acq: 01 May 2025 21:57

Instrument :

BNA_M

ClientSampleId :

WC-3

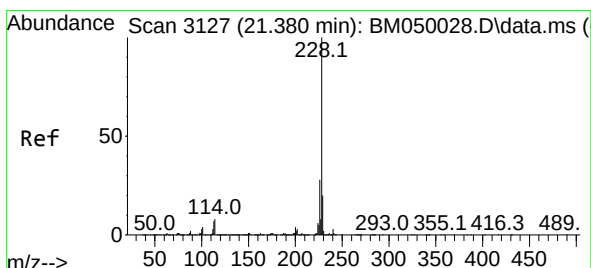
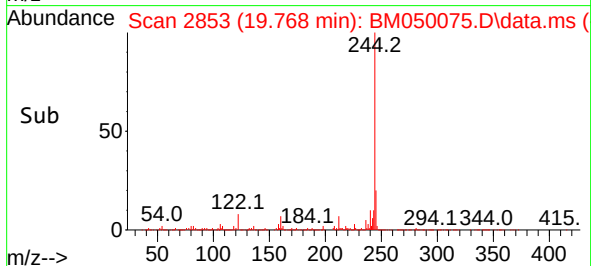
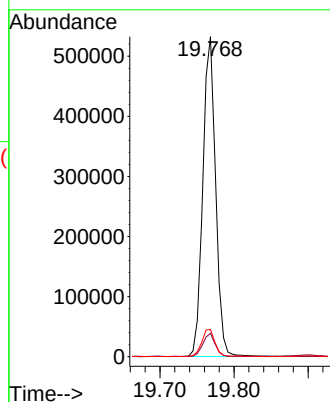
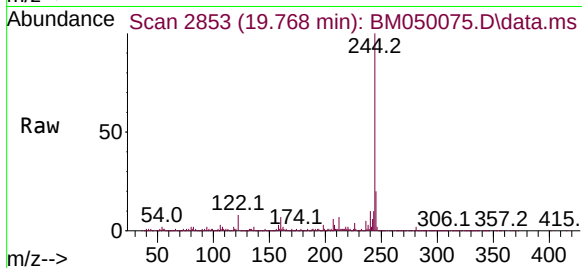
Tgt Ion:244 Resp: 637604

Ion	Ratio	Lower	Upper
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244	100		
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212	7.3	5.6	8.4
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122	8.5	5.6	8.4#
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#81

Benzo(a)anthracene

Concen: 16.498 ng

RT: 21.362 min Scan# 3124

Delta R.T. -0.018 min

Lab File: BM050075.D

Acq: 01 May 2025 21:57

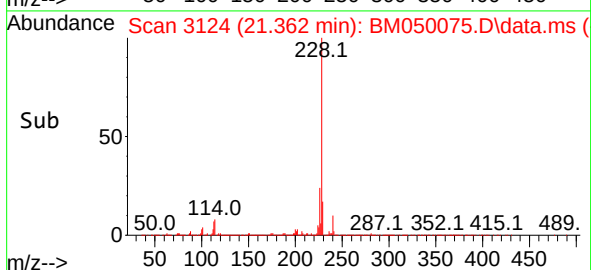
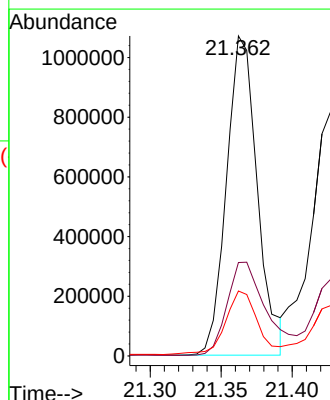
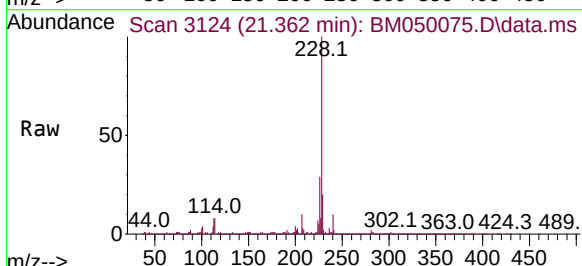
Tgt Ion:228 Resp: 1618181

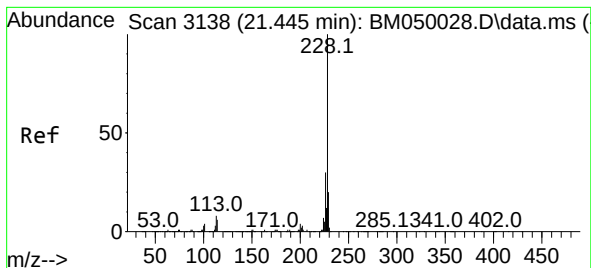
Ion	Ratio	Lower	Upper
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228	100		
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226	29.2	22.1	33.1
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229	20.3	15.7	23.5
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#83

Chrysene

Concen: 14.425 ng

RT: 21.427 min Scan# 3135

Delta R.T. -0.018 min

Lab File: BM050075.D

Acq: 01 May 2025 21:57

Instrument :

BNA_M

ClientSampleId :

WC-3

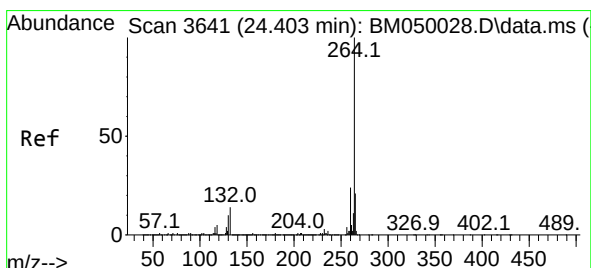
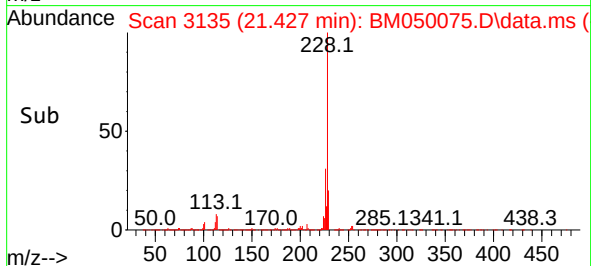
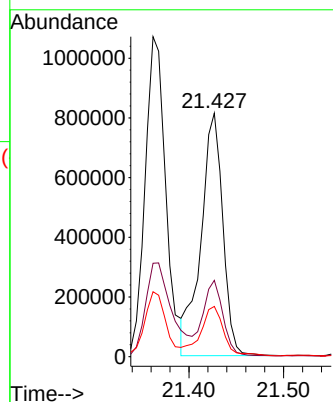
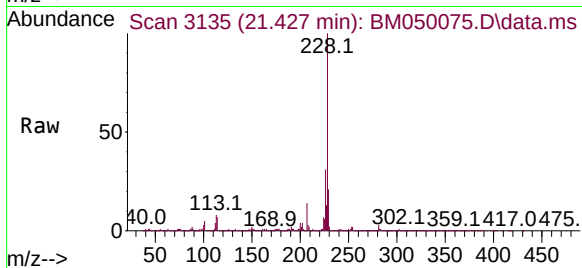
Tgt Ion:228 Resp: 1309452

Ion Ratio Lower Upper

228 100

226 31.3 24.2 36.2

229 20.6 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.374 min Scan# 3636

Delta R.T. -0.030 min

Lab File: BM050075.D

Acq: 01 May 2025 21:57

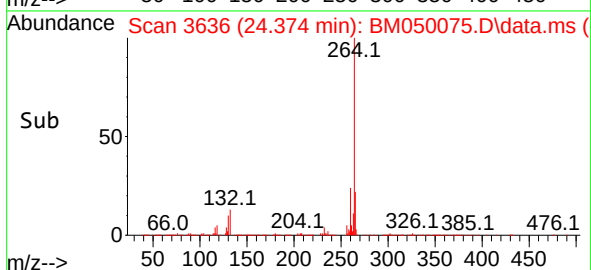
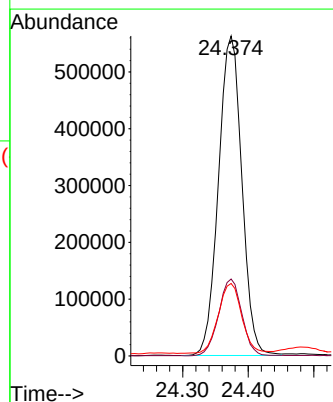
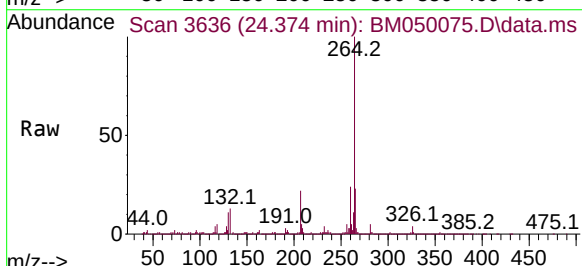
Tgt Ion:264 Resp: 1390959

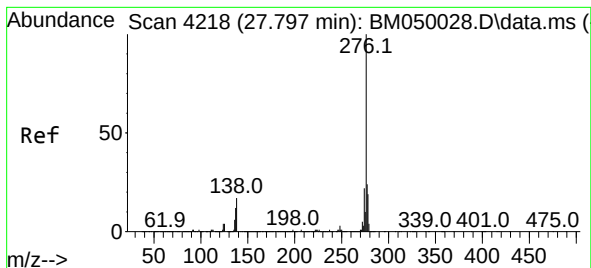
Ion Ratio Lower Upper

264 100

260 24.0 18.8 28.2

265 22.7 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.695 ng

RT: 27.750 min Scan# 41

Delta R.T. -0.047 min

Lab File: BM050075.D

Acq: 01 May 2025 21:57

Instrument :

BNA_M

ClientSampleId :

WC-3

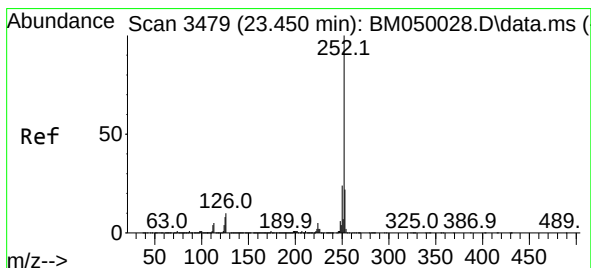
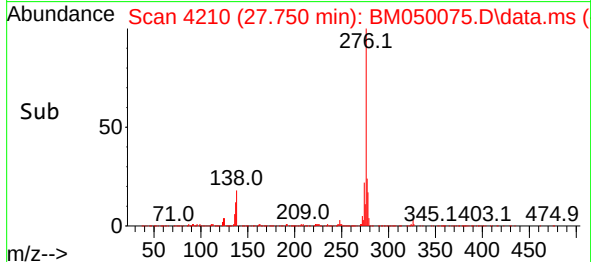
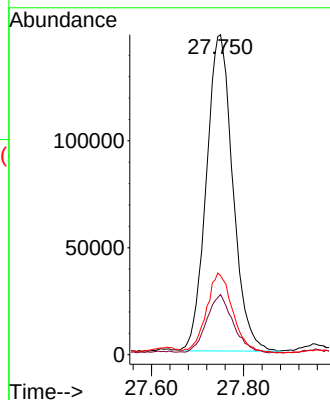
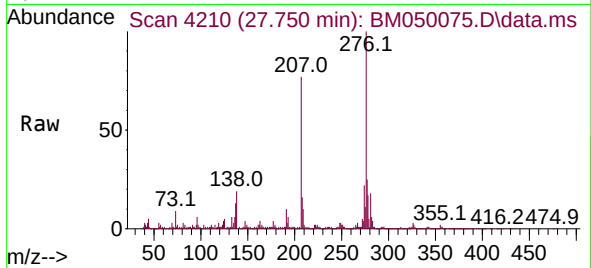
Tgt Ion:276 Resp: 590207

Ion Ratio Lower Upper

276 100

138 18.4 16.4 24.6

277 25.3 19.8 29.8



#88

Benzo(b)fluoranthene

Concen: 15.303 ng

RT: 23.433 min Scan# 3476

Delta R.T. -0.018 min

Lab File: BM050075.D

Acq: 01 May 2025 21:57

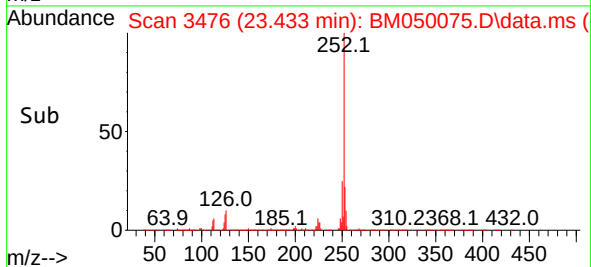
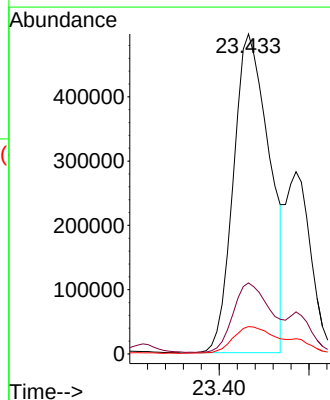
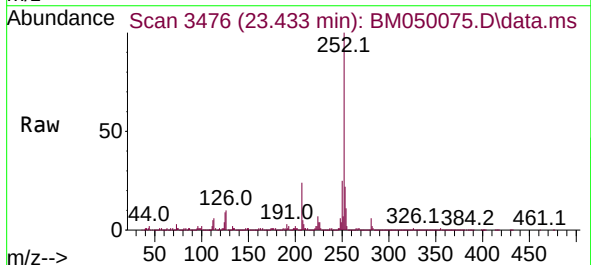
Tgt Ion:252 Resp: 1384285

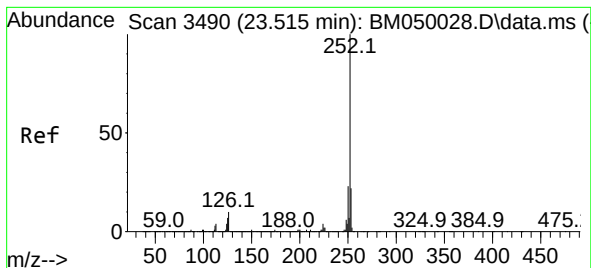
Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

125 8.5 6.1 9.1





#89

Benzo(k)fluoranthene

Concen: 15.129 ng

RT: 23.433 min Scan# 34

Delta R.T. -0.082 min

Lab File: BM050075.D

Acq: 01 May 2025 21:57

Instrument :

BNA_M

ClientSampleId :

WC-3

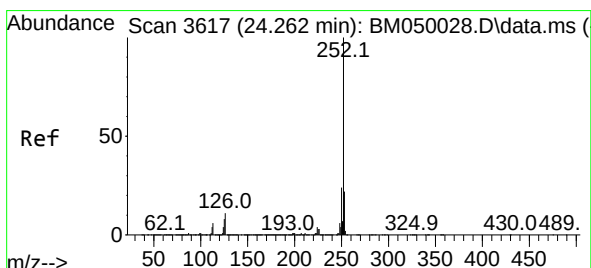
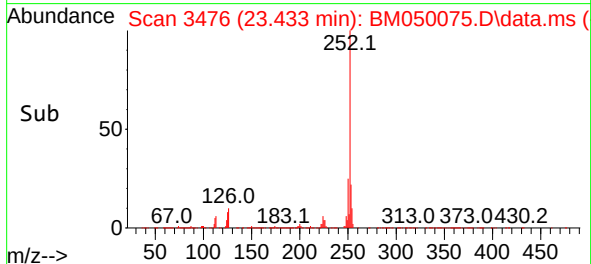
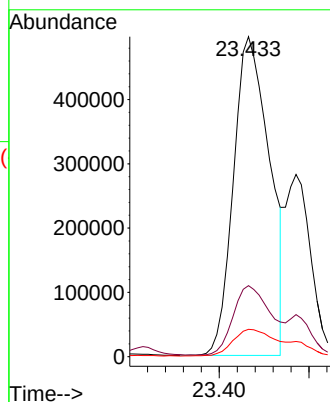
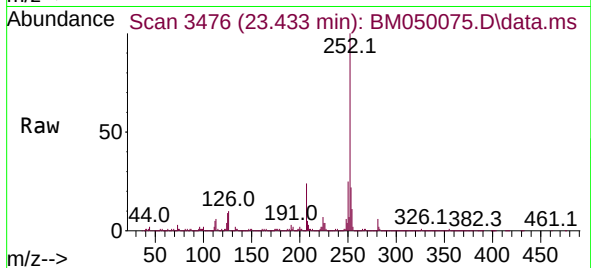
Tgt Ion:252 Resp: 1384285

Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.2

125 8.5 5.8 8.8



#90

Benzo(a)pyrene

Concen: 11.444 ng

RT: 24.233 min Scan# 3612

Delta R.T. -0.029 min

Lab File: BM050075.D

Acq: 01 May 2025 21:57

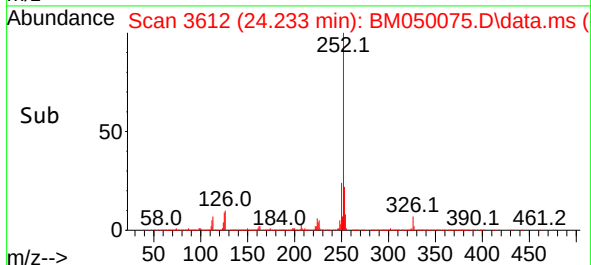
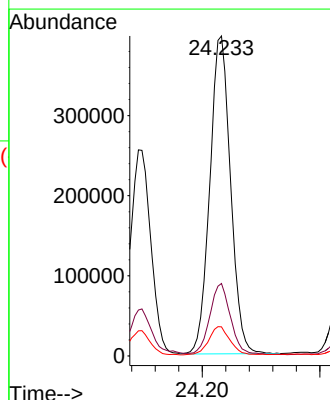
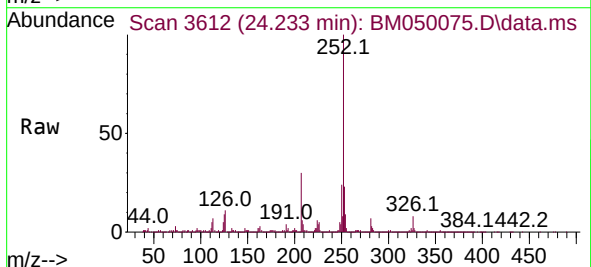
Tgt Ion:252 Resp: 969587

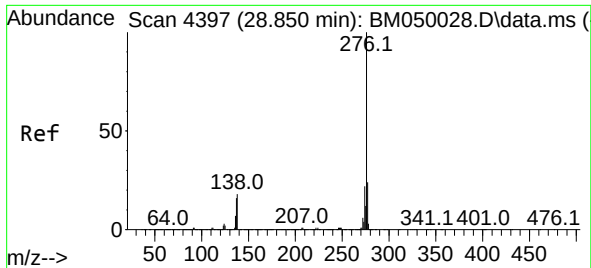
Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

125 9.1 6.6 9.8





#92
 Benzo(g,h,i)perylene
 Concen: 6.385 ng
 RT: 28.803 min Scan# 41
 Delta R.T. -0.047 min
 Lab File: BM050075.D
 Acq: 01 May 2025 21:57

Instrument :
 BNA_M
 ClientSampleId :
 WC-3

Tgt Ion:276 Resp: 516460
 Ion Ratio Lower Upper
 276 100
 277 24.7 19.1 28.7
 138 19.0 14.3 21.5

