

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
 Data File : BM050065.D
 Acq On : 01 May 2025 15:26
 Operator : RC/JU
 Sample : Q1900-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-2

Quant Time: May 01 16:24:44 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)

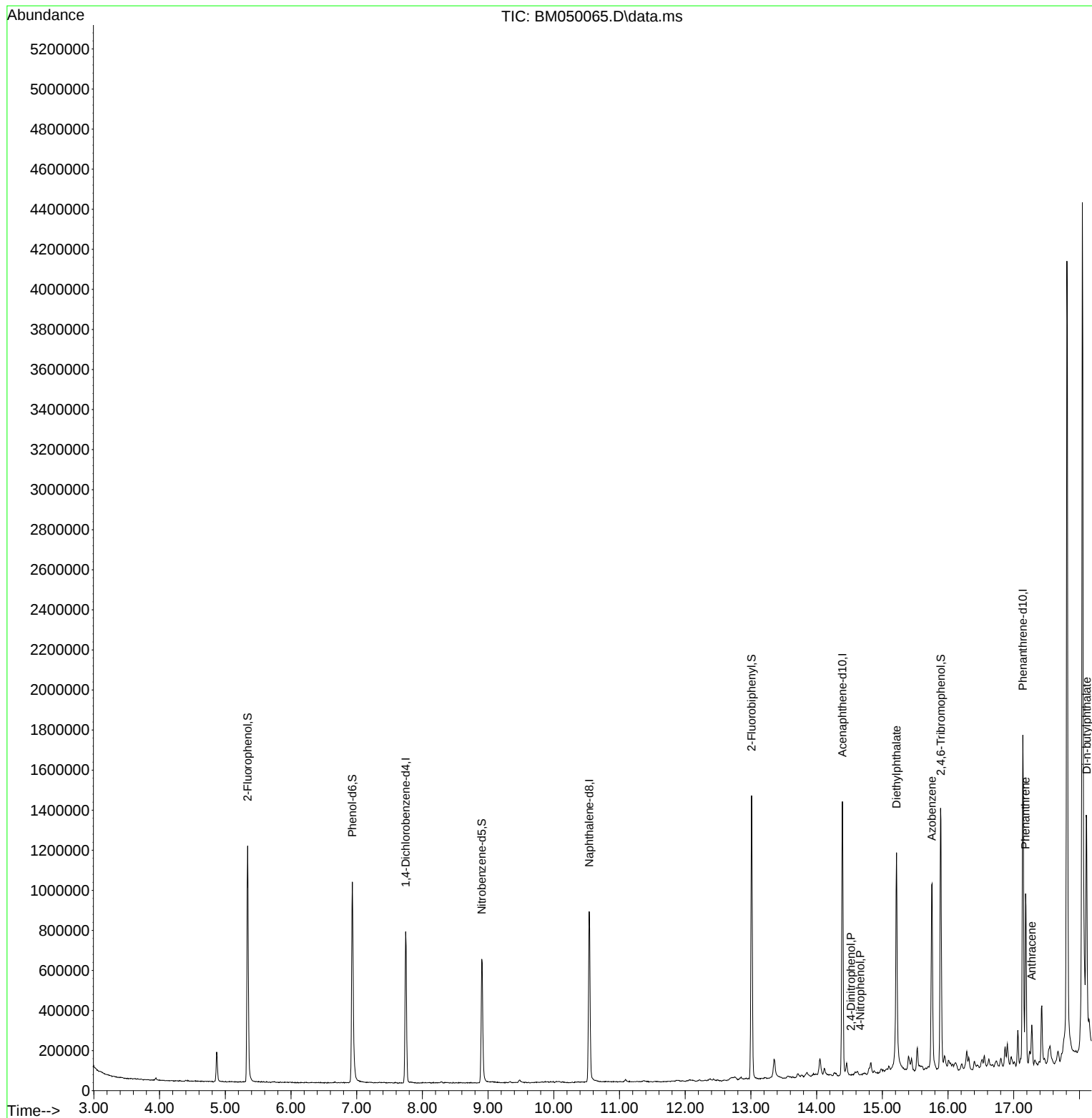
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	212536	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	734717	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	479228	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	957331	20.000	ng	-0.02
76) Chrysene-d12	21.380	240	1033347	20.000	ng	-0.02
86) Perylene-d12	24.368	264	1128226	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	532554	43.877	ng	-0.02
7) Phenol-d6	6.934	99	656138	43.011	ng	-0.02
23) Nitrobenzene-d5	8.904	82	389525	26.125	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	256053	36.135	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	749520	18.502	ng	-0.02
79) Terphenyl-d14	19.768	244	1353156	19.377	ng	-0.01
Target Compounds						Qvalue
54) 2,4-Dinitrophenol	14.521	184	56	5.754	ng	# 1
56) 4-Nitrophenol	14.663	139	277	4.580	ng	# 1
60) Diethylphthalate	15.215	149	882707	26.748	ng	98
63) Azobenzene	15.751	77	181670	6.569	ng	# 1
71) Phenanthrene	17.180	178	541522	10.029	ng	100
72) Anthracene	17.274	178	129542	2.371	ng	99
74) Di-n-butylphthalate	18.109	149	942080	16.684	ng	100
75) Fluoranthene	19.203	202	1229086	19.388	ng	100
78) Pyrene	19.562	202	1033203	14.238	ng	99
81) Benzo(a)anthracene	21.362	228	578595	8.131	ng	98
83) Chrysene	21.427	228	501533	7.615	ng	98
87) Indeno(1,2,3-cd)pyrene	27.744	276	317240	3.774	ng	96
88) Benzo(b)fluoranthene	23.427	252	670304	9.136	ng	98
89) Benzo(k)fluoranthene	23.486	252	222812	3.002	ng	99
90) Benzo(a)pyrene	24.233	252	465357	6.772	ng	99
92) Benzo(g,h,i)perylene	28.797	276	300045	4.573	ng	100

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

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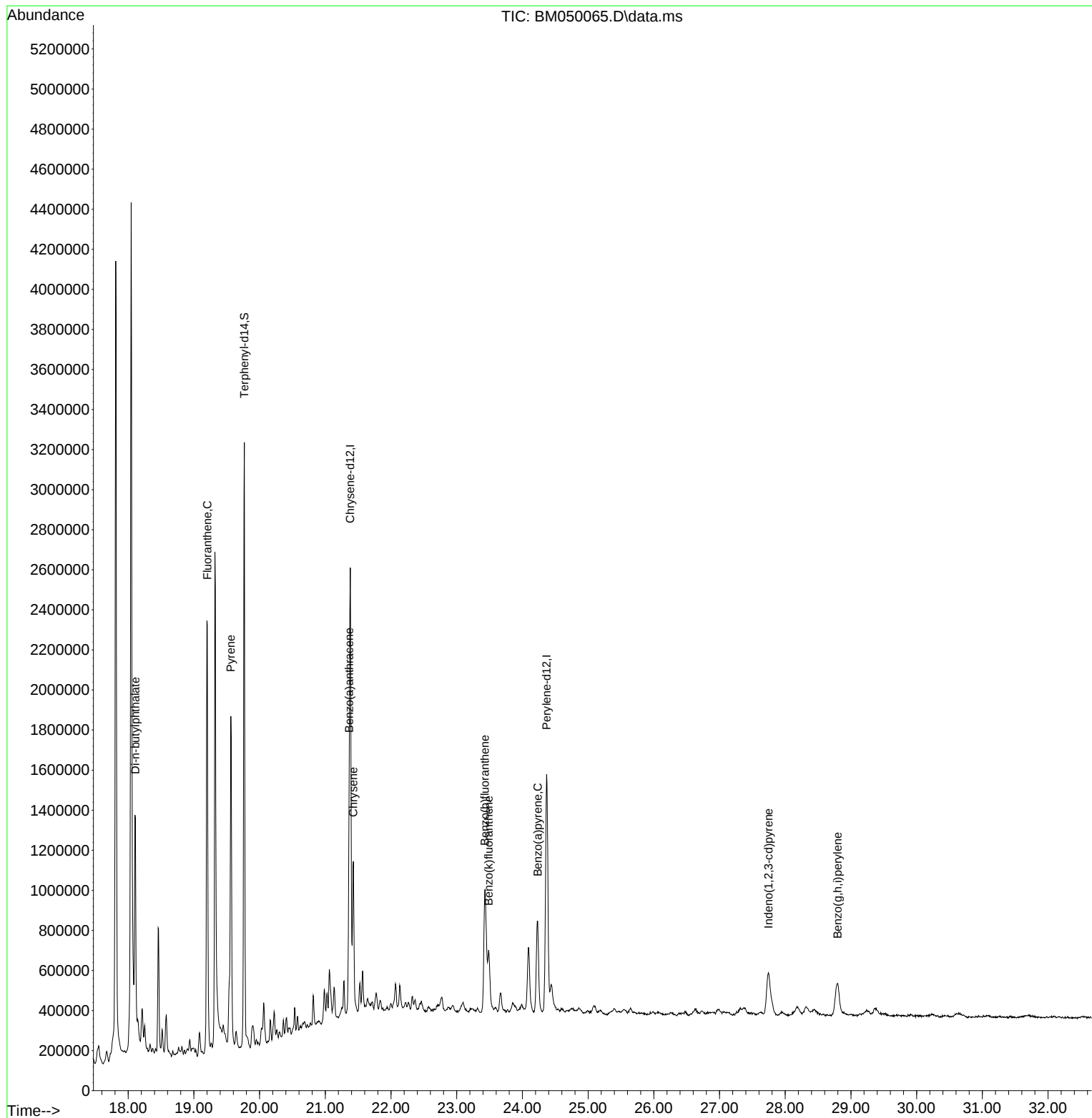
Quant Time: May 01 16:24:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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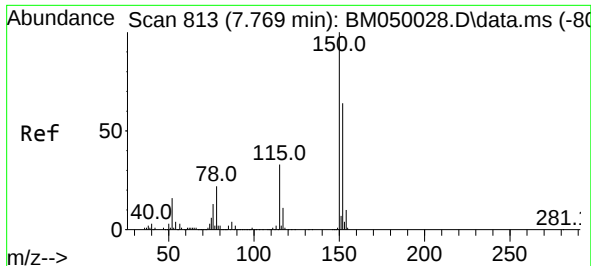


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
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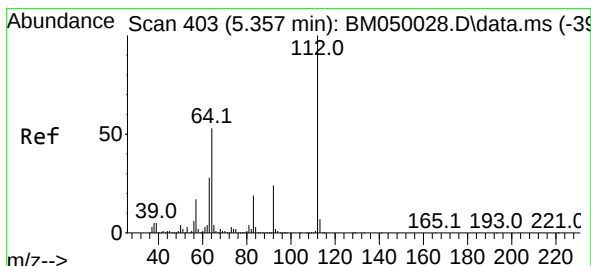
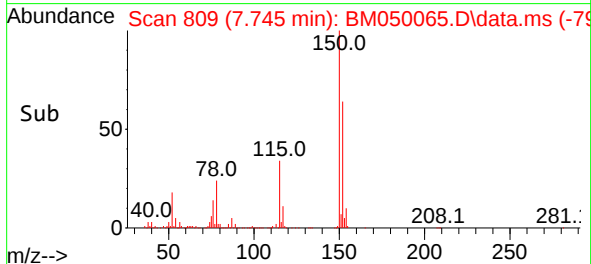
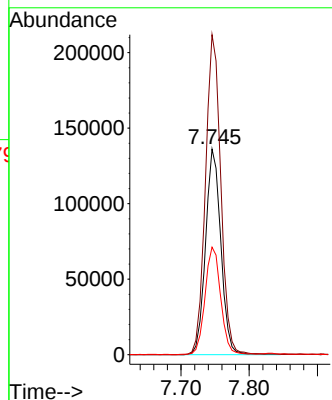
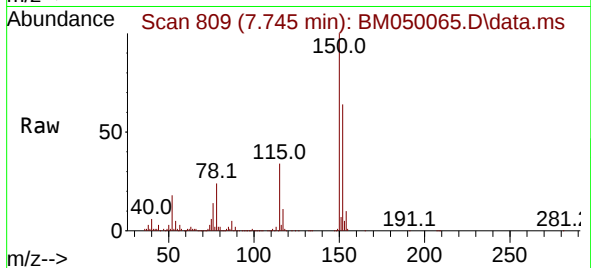




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 80
Delta R.T. -0.024 min
Lab File: BM050065.D
Acq: 01 May 2025 15:26

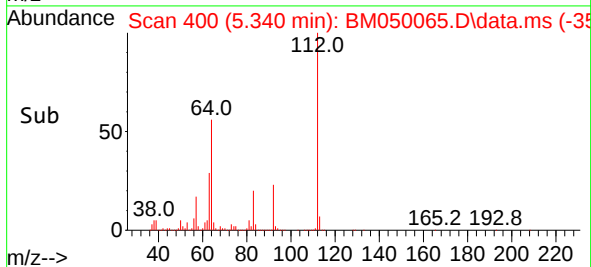
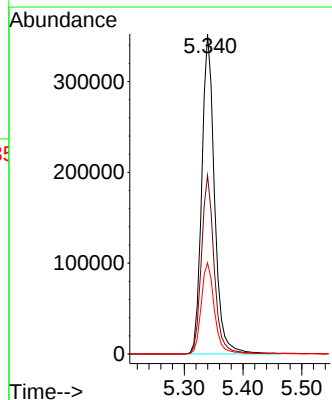
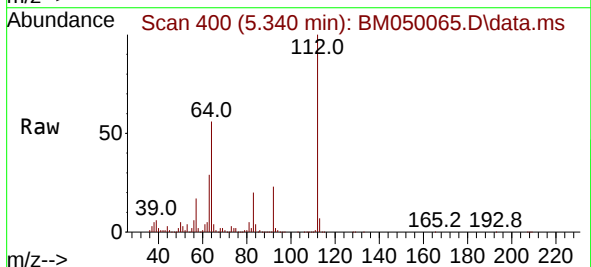
Instrument :
BNA_M
ClientSampleId :
WC-2

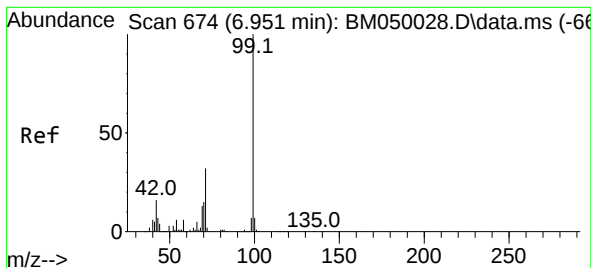
Tgt Ion:152 Resp: 212536
Ion Ratio Lower Upper
152 100
150 155.7 124.1 186.1
115 52.3 41.2 61.8



#5
2-Fluorophenol
Concen: 43.877 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050065.D
Acq: 01 May 2025 15:26

Tgt Ion:112 Resp: 532554
Ion Ratio Lower Upper
112 100
64 55.8 42.6 64.0
63 28.5 22.2 33.4





#7

Phenol-d6

Concen: 43.011 ng

RT: 6.934 min Scan# 61

Delta R.T. -0.018 min

Lab File: BM050065.D

Acq: 01 May 2025 15:26

Instrument :

BNA_M

ClientSampleId :

WC-2

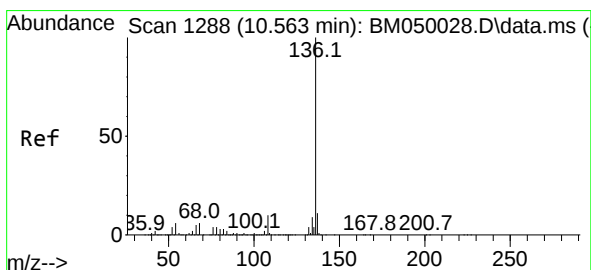
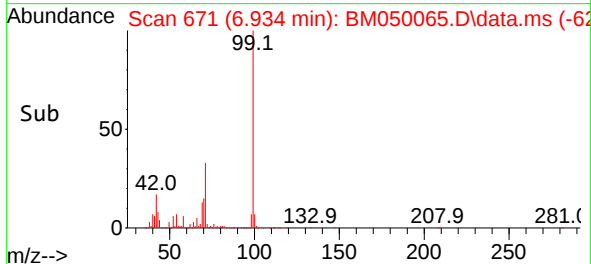
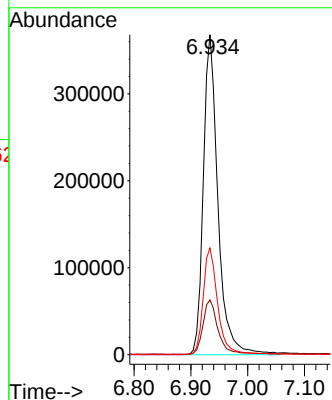
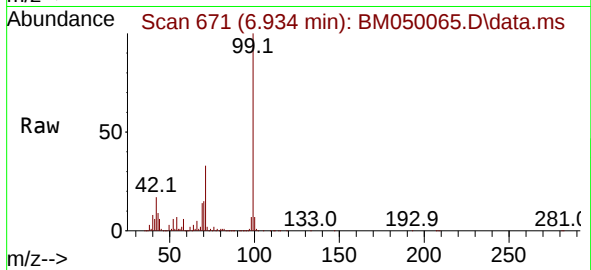
Tgt Ion: 99 Resp: 656138

Ion Ratio Lower Upper

99 100

42 17.1 13.0 19.4

71 33.3 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: BM050065.D

Acq: 01 May 2025 15:26

Tgt Ion: 136 Resp: 734717

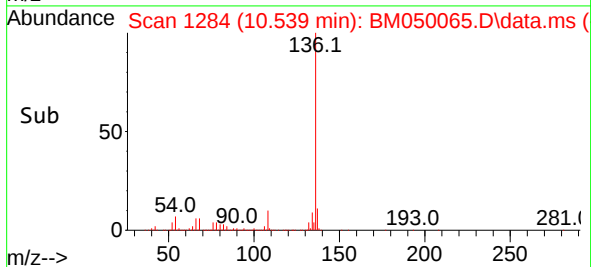
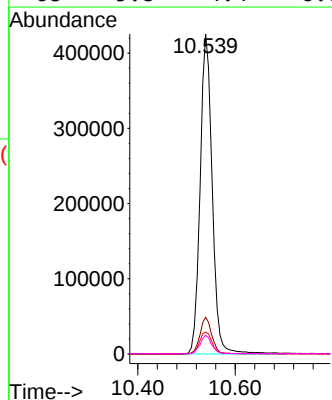
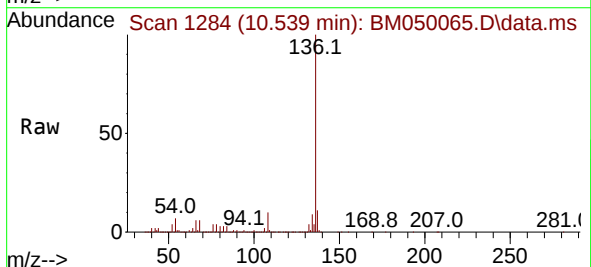
Ion Ratio Lower Upper

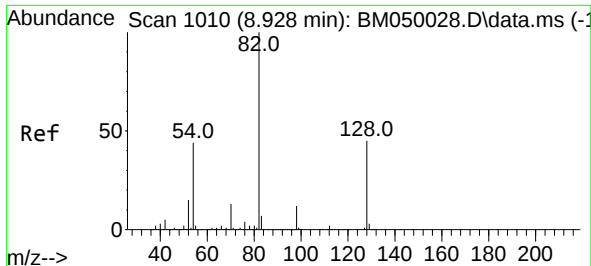
136 100

137 11.4 8.9 13.3

54 6.9 5.1 7.7

68 5.8 4.4 6.6

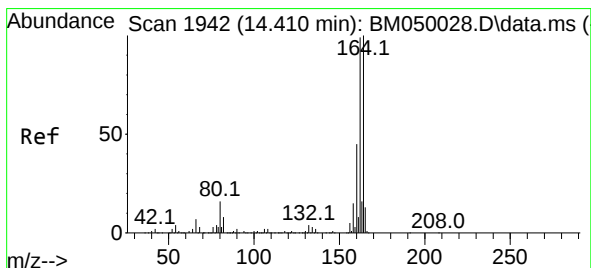
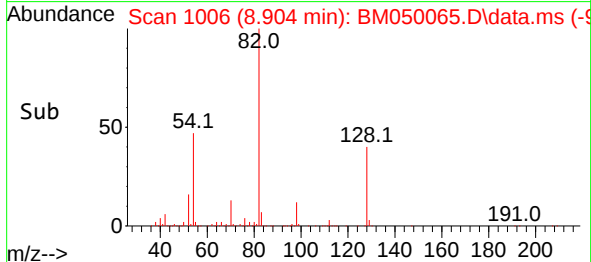
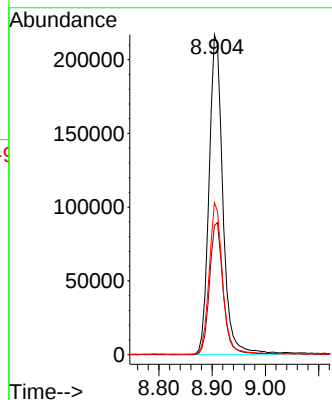
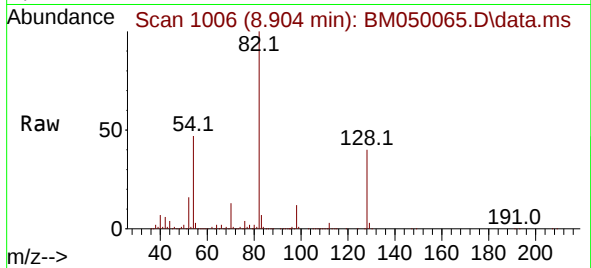




#23
Nitrobenzene-d5
Concen: 26.125 ng
RT: 8.904 min Scan# 1010
Delta R.T. -0.024 min
Lab File: BM050065.D
Acq: 01 May 2025 15:26

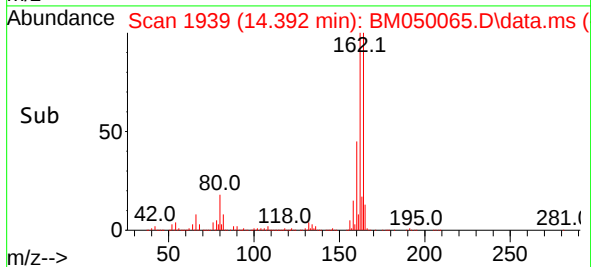
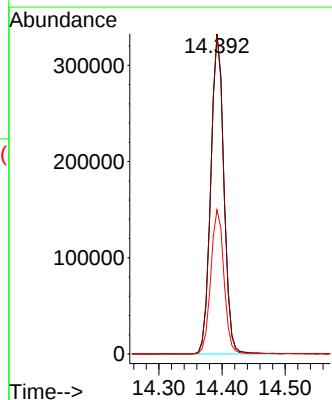
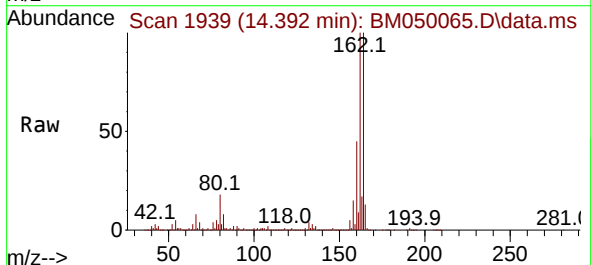
Instrument :
BNA_M
ClientSampleId :
WC-2

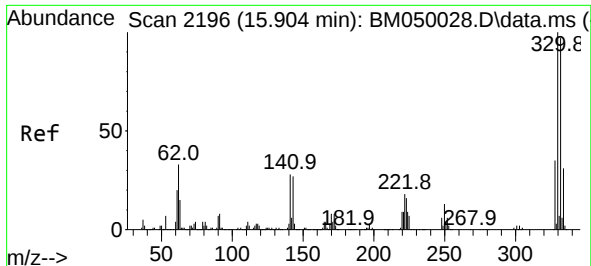
Tgt Ion: 82 Resp: 389525
Ion Ratio Lower Upper
82 100
128 40.4 35.7 53.5
54 47.5 35.4 53.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050065.D
Acq: 01 May 2025 15:26

Tgt Ion: 164 Resp: 479228
Ion Ratio Lower Upper
164 100
162 99.8 79.4 119.0
160 45.0 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 36.135 ng

RT: 15.892 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050065.D

Acq: 01 May 2025 15:26

Instrument :

BNA_M

ClientSampleId :

WC-2

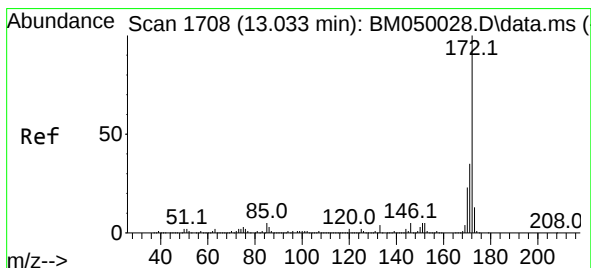
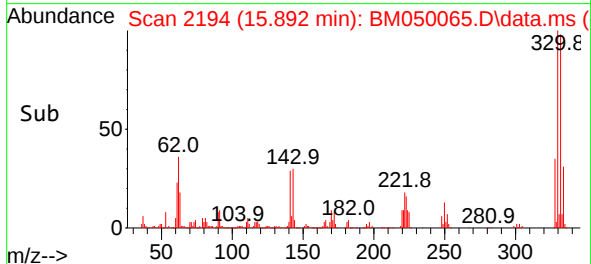
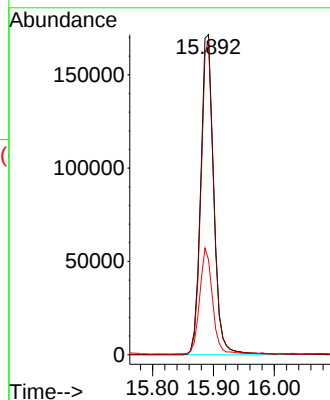
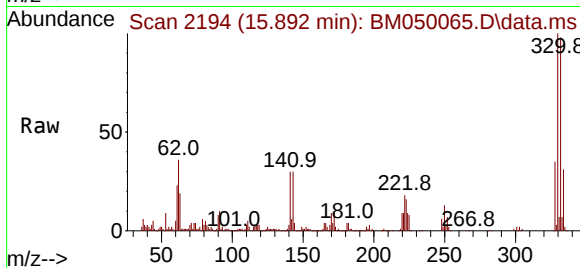
Tgt Ion:330 Resp: 256053

Ion Ratio Lower Upper

330 100

332 96.5 77.3 115.9

141 32.3 22.5 33.7



#45

2-Fluorobiphenyl

Concen: 18.502 ng

RT: 13.010 min Scan# 1704

Delta R.T. -0.024 min

Lab File: BM050065.D

Acq: 01 May 2025 15:26

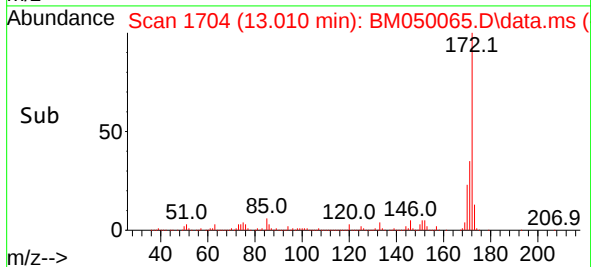
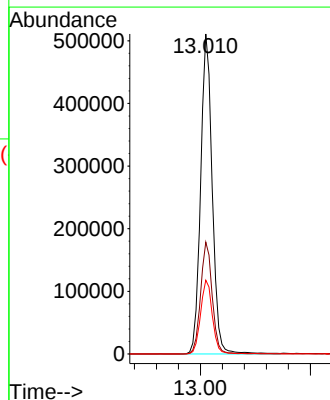
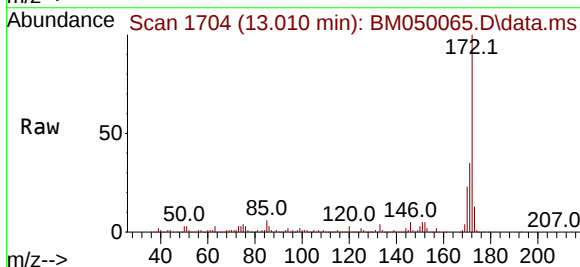
Tgt Ion:172 Resp: 749520

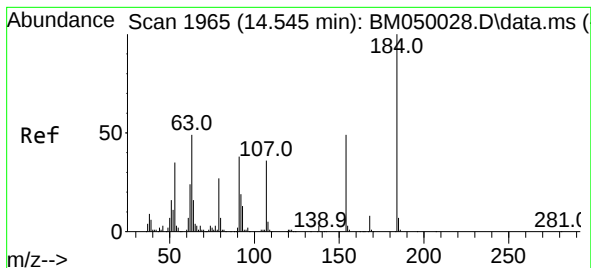
Ion Ratio Lower Upper

172 100

171 34.9 27.8 41.6

170 23.0 18.6 28.0

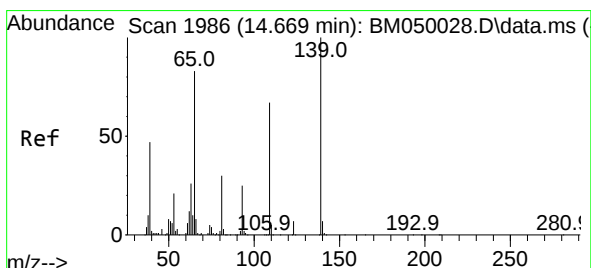
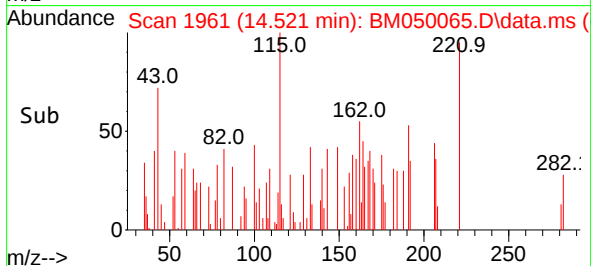
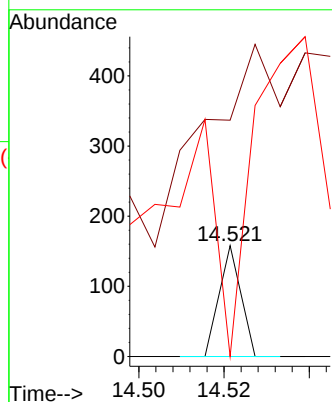
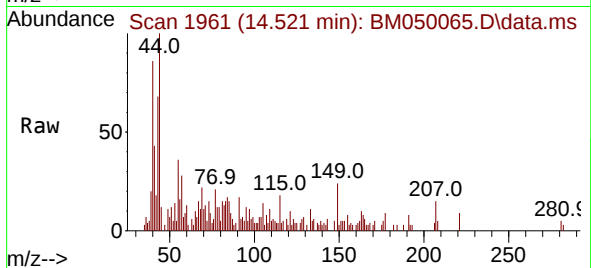




#54
2,4-Dinitrophenol
Concen: 5.754 ng
RT: 14.521 min Scan# 1961
Delta R.T. -0.024 min
Lab File: BM050065.D
Acq: 01 May 2025 15:26

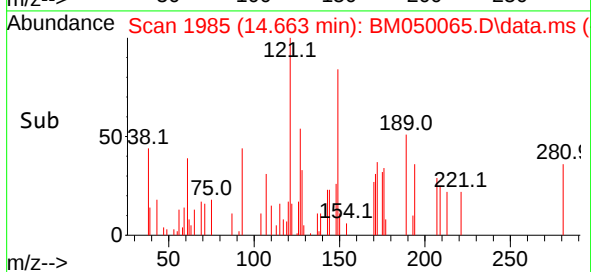
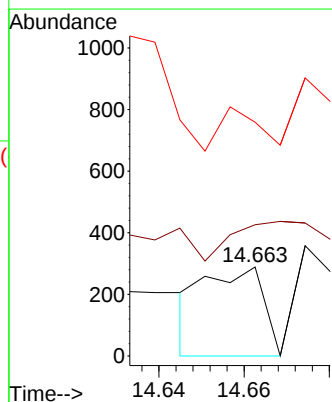
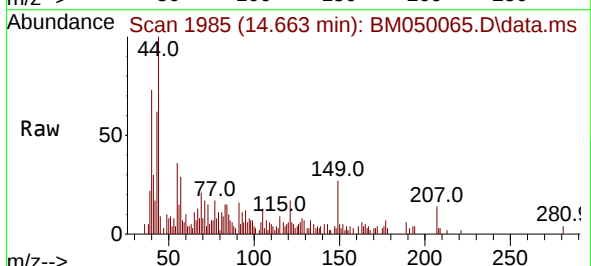
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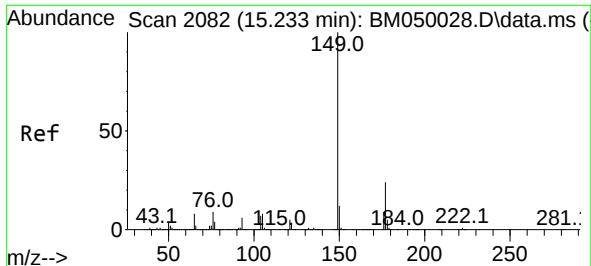
Tgt Ion:184 Resp: 56
Ion Ratio Lower Upper
184 100
63 213.3 39.8 59.6#
154 0.0 46.1 69.1#



#56
4-Nitrophenol
Concen: 4.580 ng
RT: 14.663 min Scan# 1985
Delta R.T. -0.006 min
Lab File: BM050065.D
Acq: 01 May 2025 15:26

Tgt Ion:139 Resp: 277
Ion Ratio Lower Upper
139 100
109 147.4 47.0 87.0#
65 262.6 64.3 104.3#

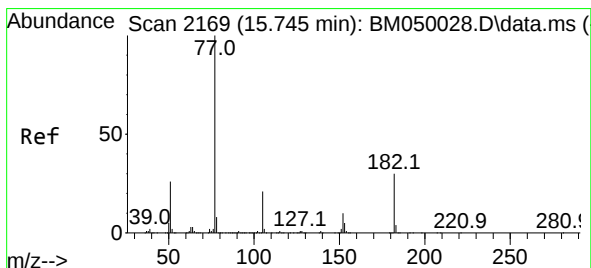
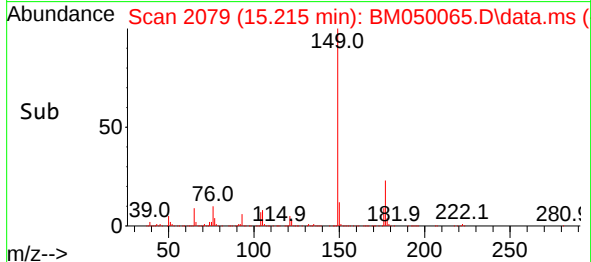
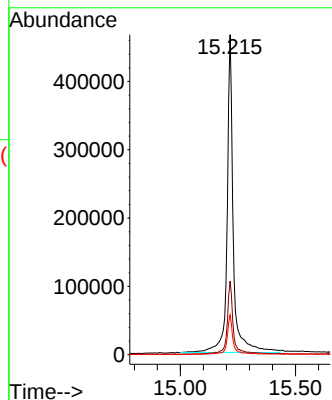
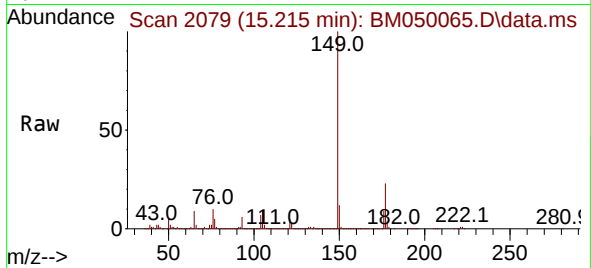




#60
Diethylphthalate
Concen: 26.748 ng
RT: 15.215 min Scan# 20
Delta R.T. -0.018 min
Lab File: BM050065.D
Acq: 01 May 2025 15:26

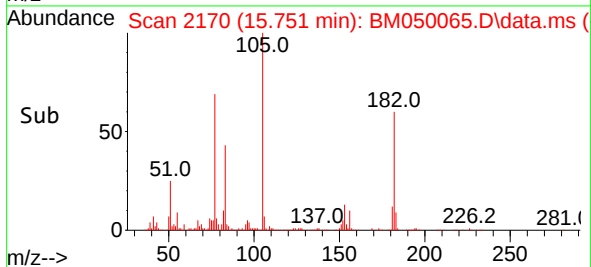
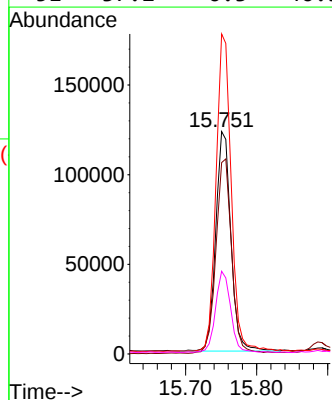
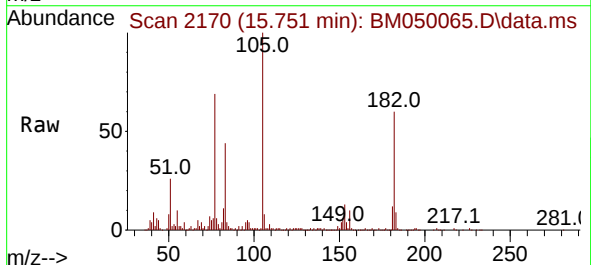
Instrument :
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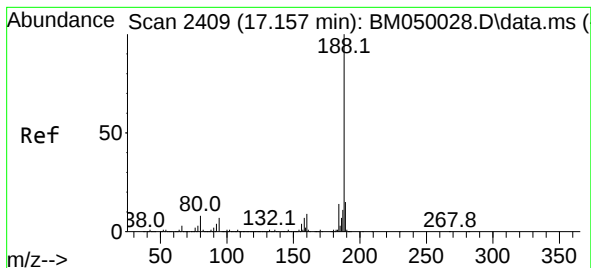
Tgt Ion:149 Resp: 882707
Ion Ratio Lower Upper
149 100
177 23.0 19.1 28.7
150 12.4 9.6 14.4



#63
Azobenzene
Concen: 6.569 ng
RT: 15.751 min Scan# 2170
Delta R.T. 0.006 min
Lab File: BM050065.D
Acq: 01 May 2025 15:26

Tgt Ion: 77 Resp: 181670
Ion Ratio Lower Upper
77 100
182 86.1 10.5 50.5#
105 143.9 1.1 41.1#
51 37.2 6.3 46.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.139 min Scan# 2406

Delta R.T. -0.018 min

Lab File: BM050065.D

Acq: 01 May 2025 15:26

Instrument :

BNA_M

ClientSampleId :

WC-2

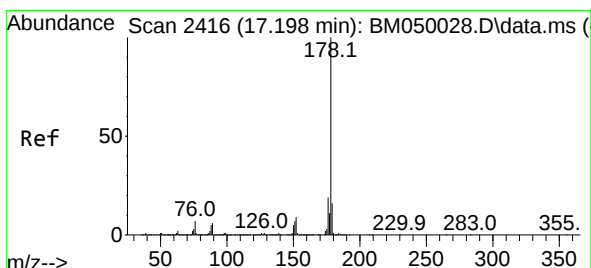
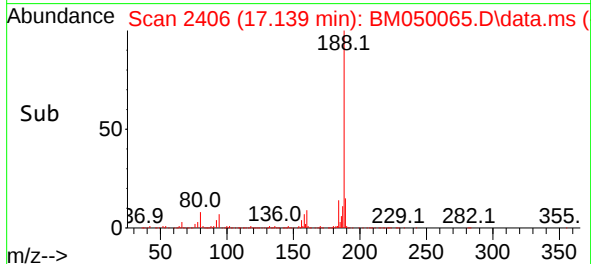
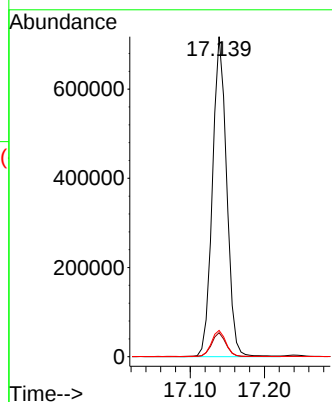
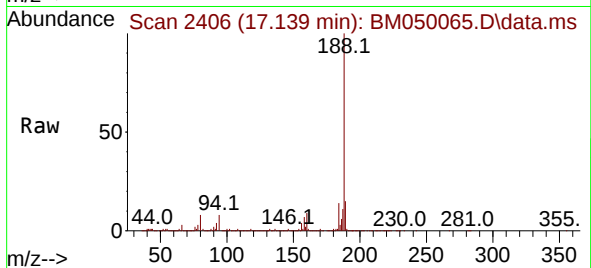
Tgt Ion:188 Resp: 957331

Ion Ratio Lower Upper

188 100

94 7.5 5.7 8.5

80 8.2 6.2 9.4



#71

Phenanthrene

Concen: 10.029 ng

RT: 17.180 min Scan# 2413

Delta R.T. -0.018 min

Lab File: BM050065.D

Acq: 01 May 2025 15:26

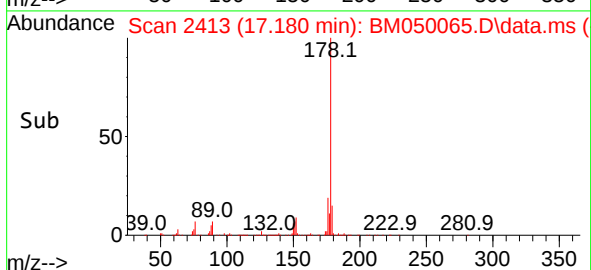
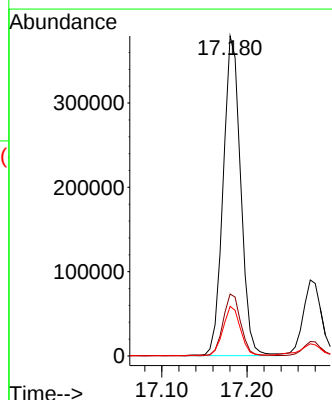
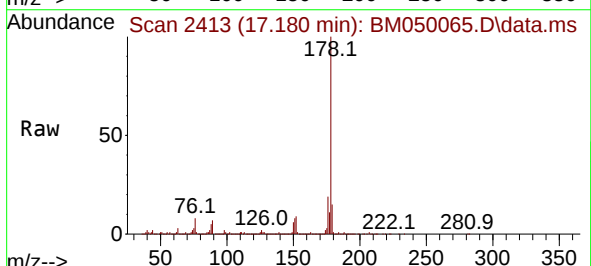
Tgt Ion:178 Resp: 541522

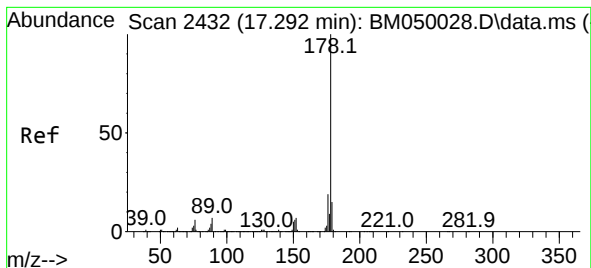
Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

179 15.5 12.4 18.6

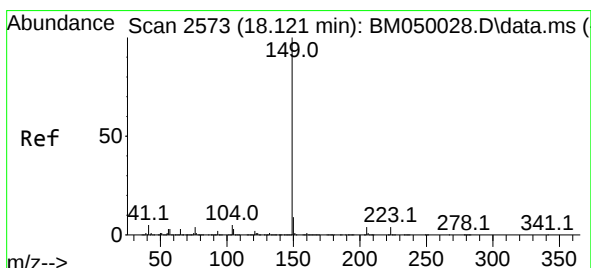
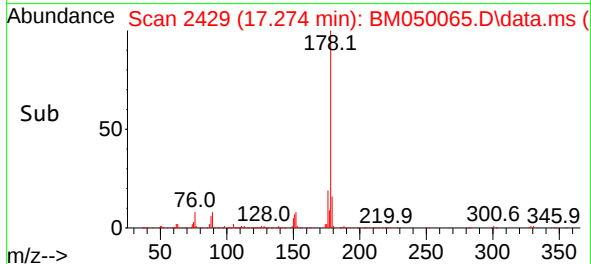
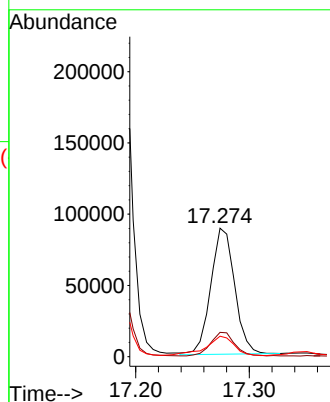
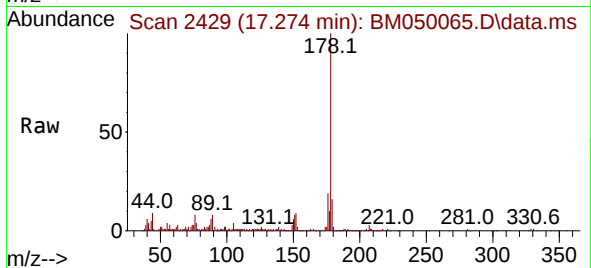




#72
Anthracene
Concen: 2.371 ng
RT: 17.274 min Scan# 2432
Delta R.T. -0.018 min
Lab File: BM050065.D
Acq: 01 May 2025 15:26

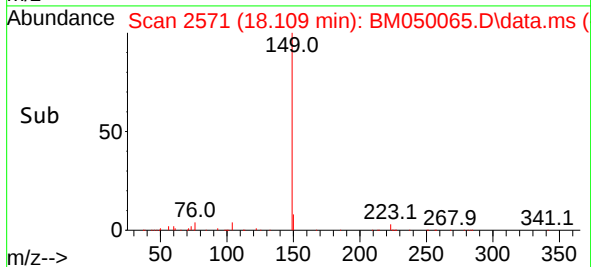
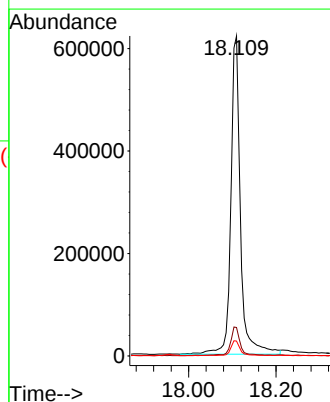
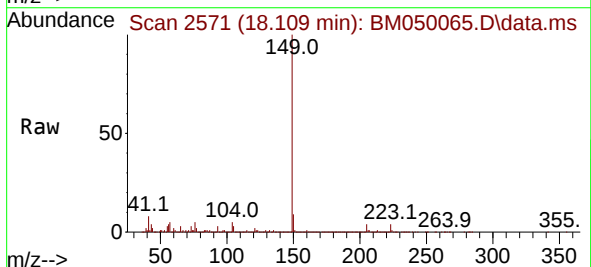
Instrument :
BNA_M
ClientSampleId :
WC-2

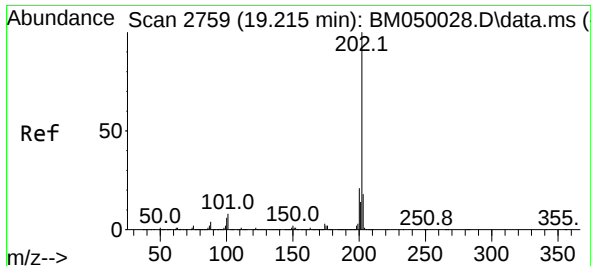
Tgt Ion:178 Resp: 129542
Ion Ratio Lower Upper
178 100
176 19.0 15.0 22.4
179 16.0 12.2 18.4



#74
Di-n-butylphthalate
Concen: 16.684 ng
RT: 18.109 min Scan# 2571
Delta R.T. -0.012 min
Lab File: BM050065.D
Acq: 01 May 2025 15:26

Tgt Ion:149 Resp: 942080
Ion Ratio Lower Upper
149 100
150 8.9 7.3 10.9
104 4.7 3.8 5.6

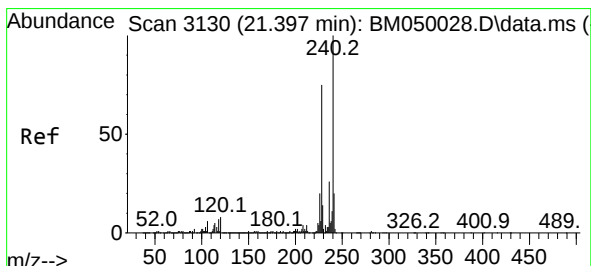
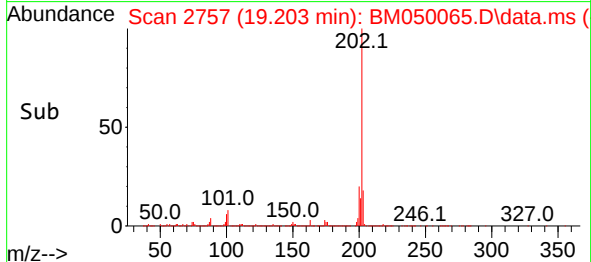
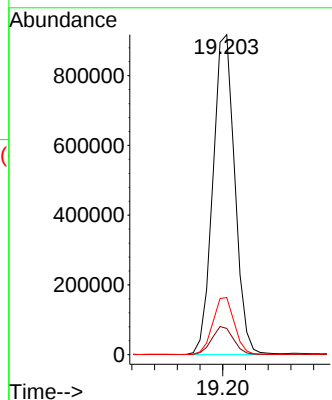
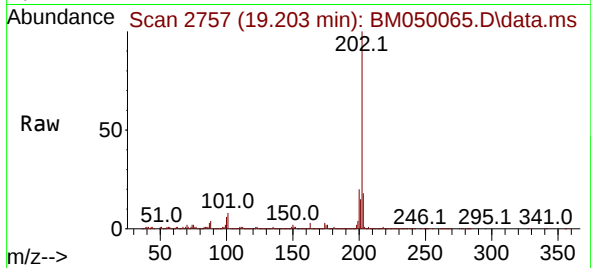




#75
Fluoranthene
Concen: 19.388 ng
RT: 19.203 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050065.D
Acq: 01 May 2025 15:26

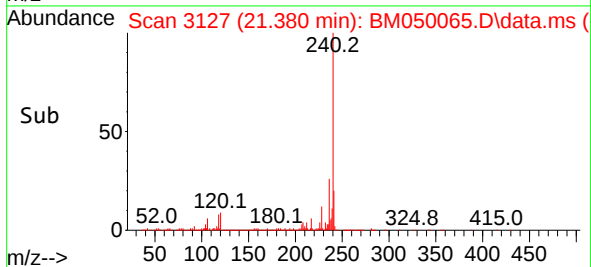
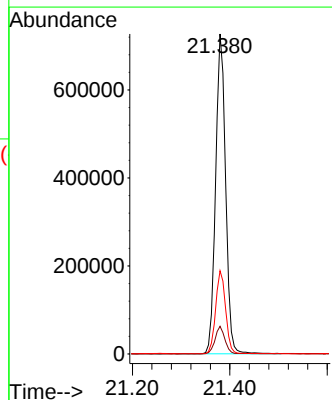
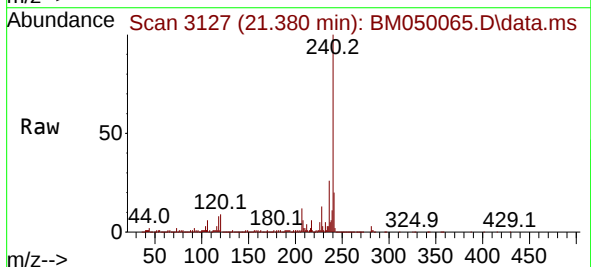
Instrument :
BNA_M
ClientSampleId :
WC-2

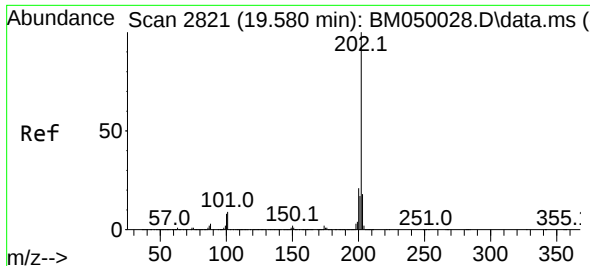
Tgt Ion:202 Resp: 1229086
Ion Ratio Lower Upper
202 100
101 8.2 0.0 28.0
203 17.8 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.380 min Scan# 3127
Delta R.T. -0.017 min
Lab File: BM050065.D
Acq: 01 May 2025 15:26

Tgt Ion:240 Resp: 1033347
Ion Ratio Lower Upper
240 100
120 8.7 6.5 9.7
236 26.0 20.9 31.3

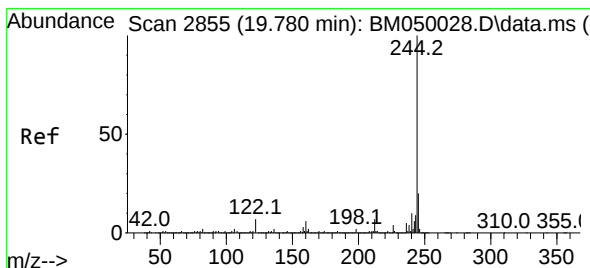
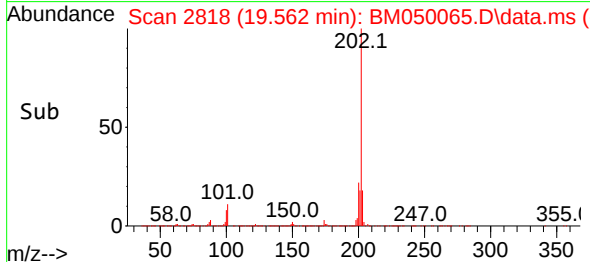
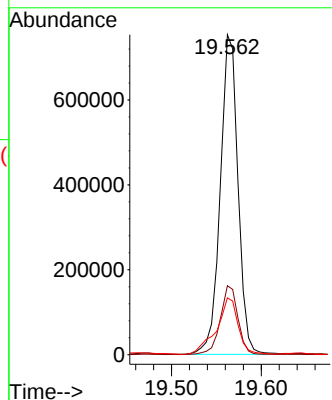
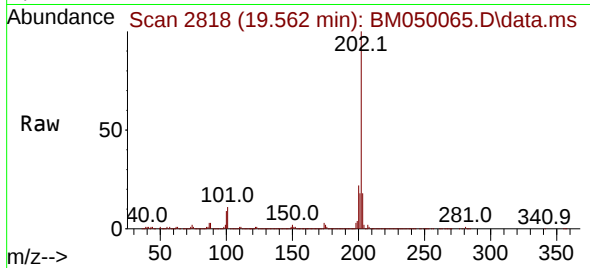




#78
 Pyrene
 Concen: 14.238 ng
 RT: 19.562 min Scan# 2818
 Delta R.T. -0.018 min
 Lab File: BM050065.D
 Acq: 01 May 2025 15:26

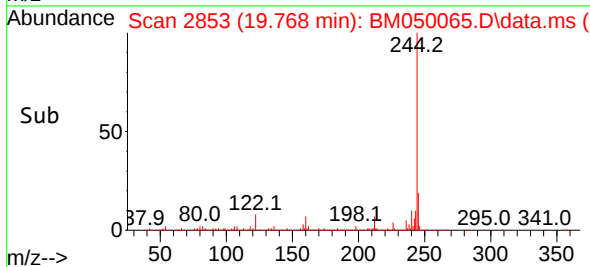
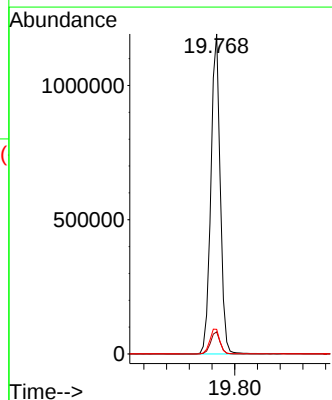
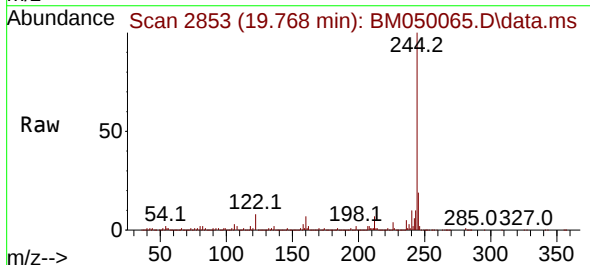
Instrument :
 BNA_M
 ClientSampleId :
 WC-2

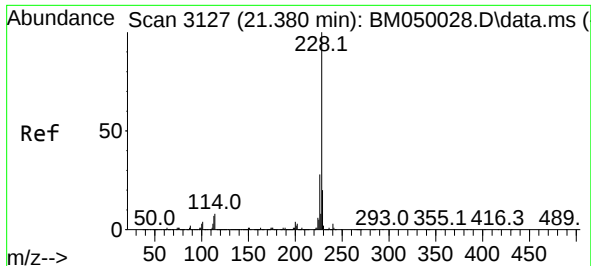
Tgt Ion:202 Resp: 1033203
 Ion Ratio Lower Upper
 202 100
 200 21.6 16.7 25.1
 203 17.8 14.1 21.1



#79
 Terphenyl-d14
 Concen: 19.377 ng
 RT: 19.768 min Scan# 2853
 Delta R.T. -0.012 min
 Lab File: BM050065.D
 Acq: 01 May 2025 15:26

Tgt Ion:244 Resp: 1353156
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 7.7 5.6 8.4

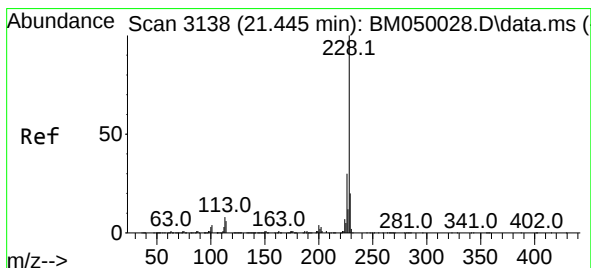
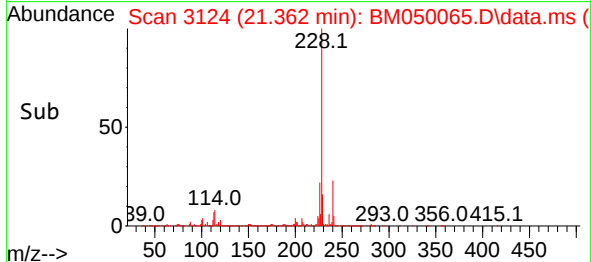
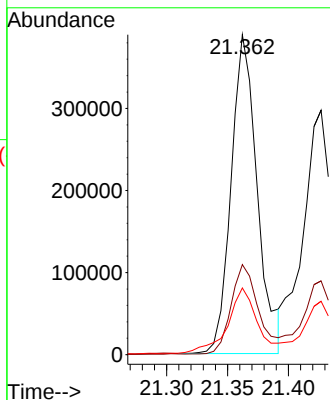
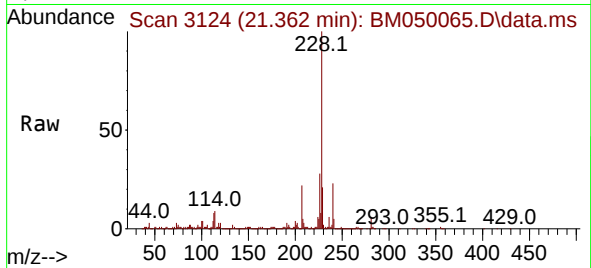




#81
Benzo(a)anthracene
Concen: 8.131 ng
RT: 21.362 min Scan# 3124
Delta R.T. -0.018 min
Lab File: BM050065.D
Acq: 01 May 2025 15:26

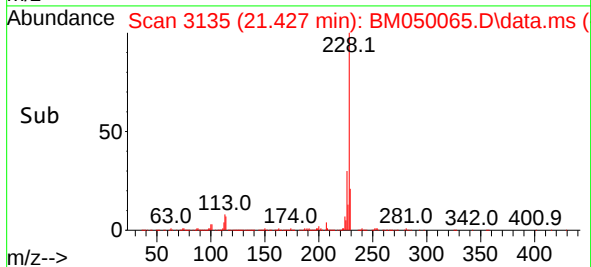
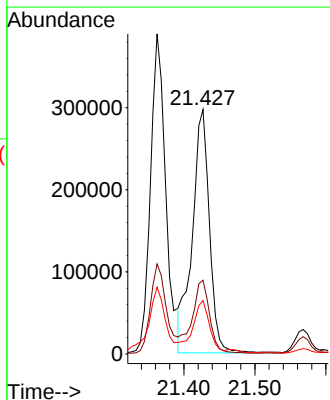
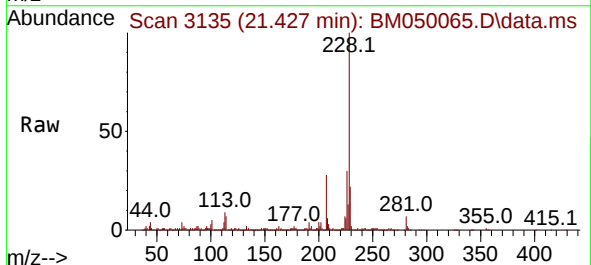
Instrument :
BNA_M
ClientSampleId :
WC-2

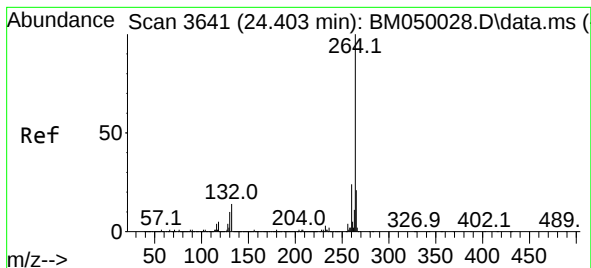
Tgt Ion:228 Resp: 578595
Ion Ratio Lower Upper
228 100
226 28.2 22.1 33.1
229 20.8 15.7 23.5



#83
Chrysene
Concen: 7.615 ng
RT: 21.427 min Scan# 3135
Delta R.T. -0.018 min
Lab File: BM050065.D
Acq: 01 May 2025 15:26

Tgt Ion:228 Resp: 501533
Ion Ratio Lower Upper
228 100
226 30.2 24.2 36.2
229 21.9 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.368 min Scan# 3

Delta R.T. -0.035 min

Lab File: BM050065.D

Acq: 01 May 2025 15:26

Instrument :

BNA_M

ClientSampleId :

WC-2

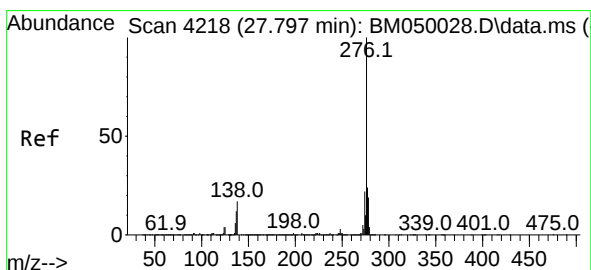
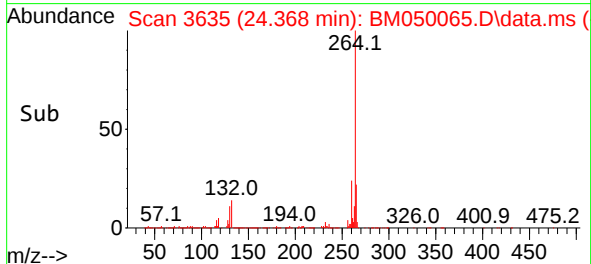
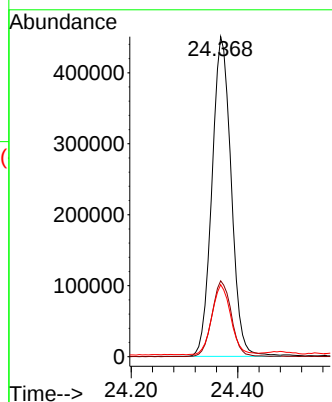
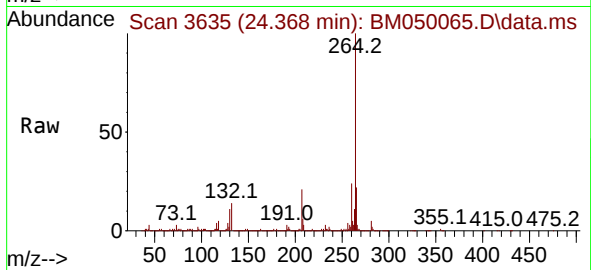
Tgt Ion:264 Resp: 1128226

Ion Ratio Lower Upper

264 100

260 23.7 18.8 28.2

265 22.5 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.774 ng

RT: 27.744 min Scan# 4209

Delta R.T. -0.053 min

Lab File: BM050065.D

Acq: 01 May 2025 15:26

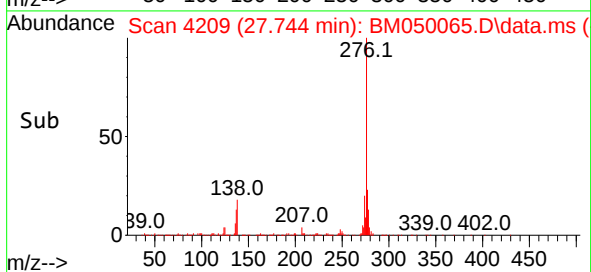
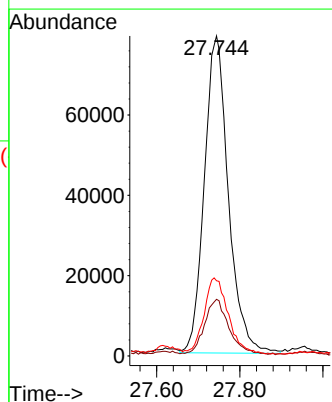
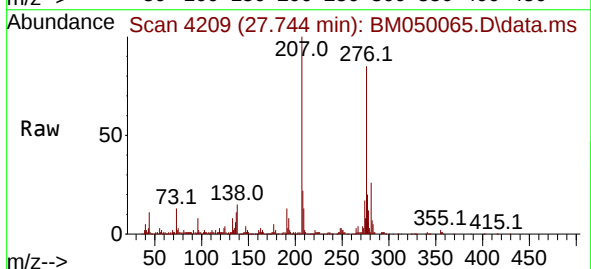
Tgt Ion:276 Resp: 317240

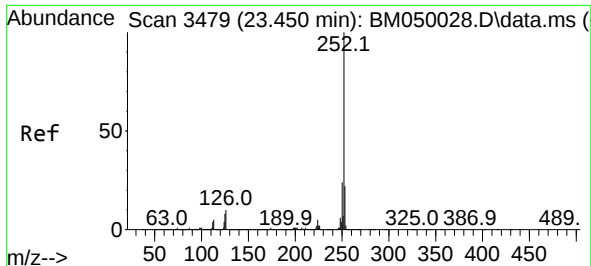
Ion Ratio Lower Upper

276 100

138 17.5 16.4 24.6

277 24.0 19.8 29.8

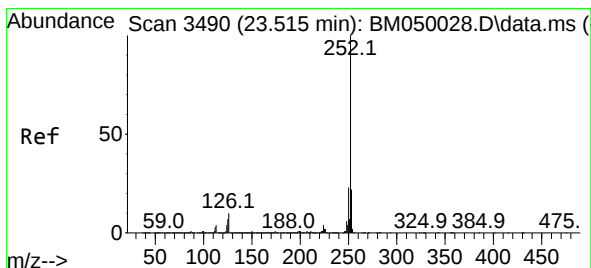
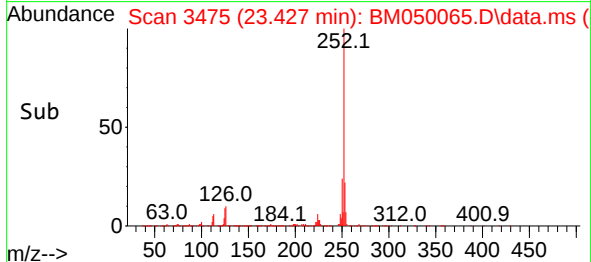
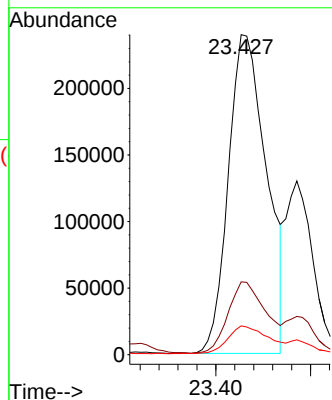
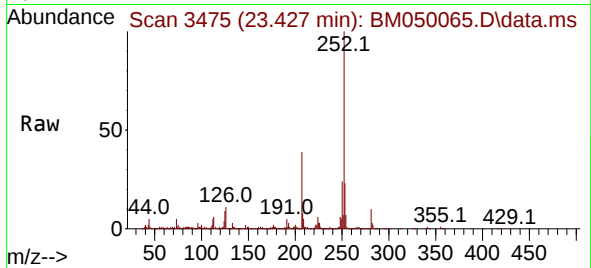




#88
Benzo(b)fluoranthene
Concen: 9.136 ng
RT: 23.427 min Scan# 3475
Delta R.T. -0.024 min
Lab File: BM050065.D
Acq: 01 May 2025 15:26

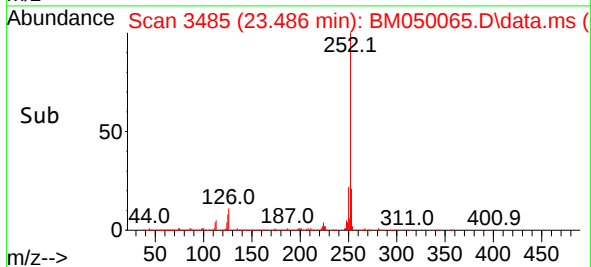
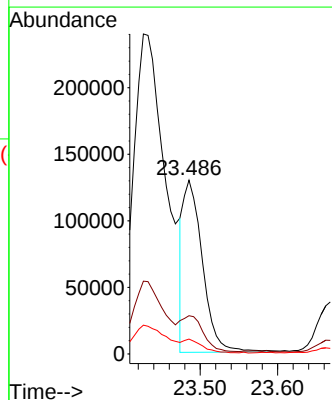
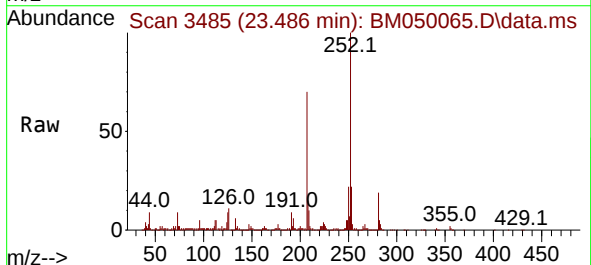
Instrument :
BNA_M
ClientSampleId :
WC-2

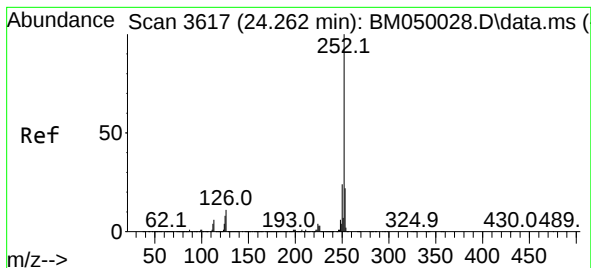
Tgt Ion:252 Resp: 670304
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 9.0 6.1 9.1



#89
Benzo(k)fluoranthene
Concen: 3.002 ng
RT: 23.486 min Scan# 3485
Delta R.T. -0.029 min
Lab File: BM050065.D
Acq: 01 May 2025 15:26

Tgt Ion:252 Resp: 222812
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.2
125 8.6 5.8 8.8





#90

Benzo(a)pyrene

Concen: 6.772 ng

RT: 24.233 min Scan# 3

Delta R.T. -0.029 min

Lab File: BM050065.D

Acq: 01 May 2025 15:26

Instrument :

BNA_M

ClientSampleId :

WC-2

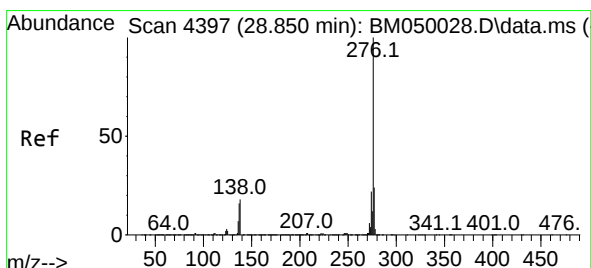
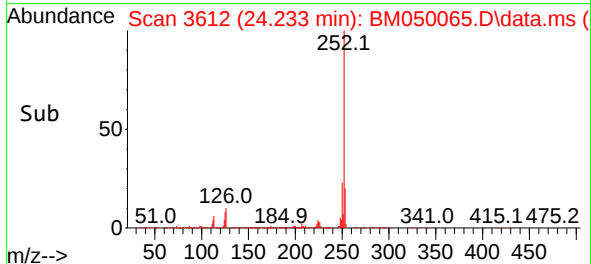
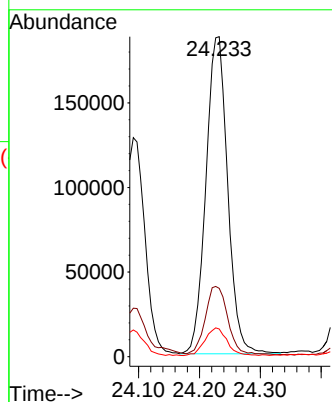
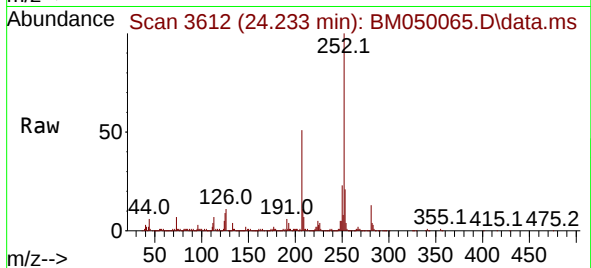
Tgt Ion:252 Resp: 465357

Ion Ratio Lower Upper

252 100

253 21.4 17.4 26.0

125 8.7 6.6 9.8



#92

Benzo(g,h,i)perylene

Concen: 4.573 ng

RT: 28.797 min Scan# 4388

Delta R.T. -0.053 min

Lab File: BM050065.D

Acq: 01 May 2025 15:26

Tgt Ion:276 Resp: 300045

Ion Ratio Lower Upper

276 100

277 23.7 19.1 28.7

138 18.0 14.3 21.5

