

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050925\
 Data File : BM050171.D
 Acq On : 09 May 2025 22:39
 Operator : RC/JU
 Sample : Q1983-19
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OR-636-COMP-04

Quant Time: May 10 00:27:08 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)

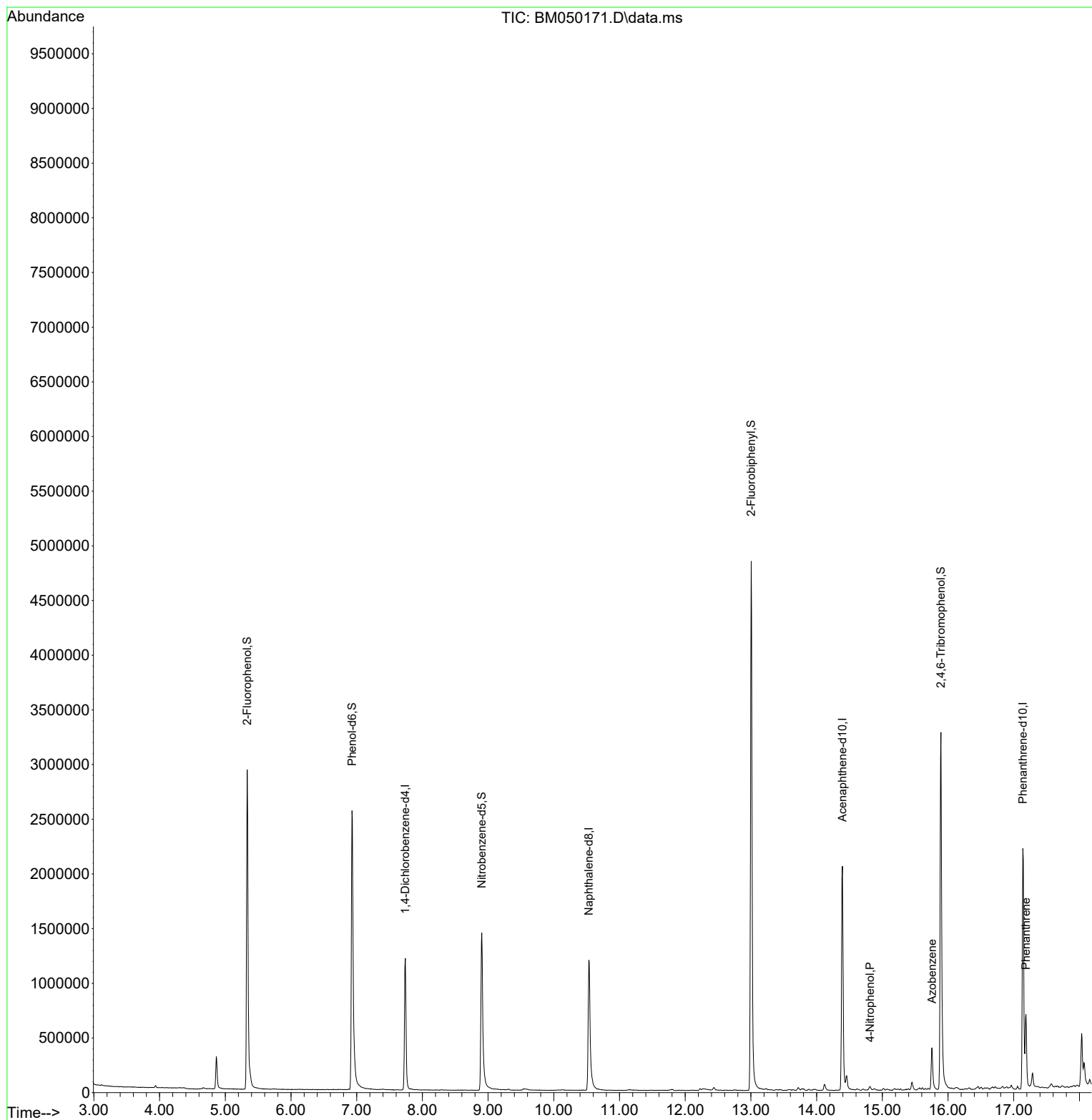
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.739	152	367480	20.000	ng	-0.03
21) Naphthalene-d8	10.533	136	1329961	20.000	ng	-0.03
39) Acenaphthene-d10	14.392	164	854924	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	1459994	20.000	ng	-0.02
76) Chrysene-d12	21.380	240	1119115	20.000	ng	-0.02
86) Perylene-d12	24.374	264	1156736	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	1466576	69.884	ng	-0.02
7) Phenol-d6	6.928	99	1957091	74.198	ng	-0.02
23) Nitrobenzene-d5	8.904	82	1128125	41.798	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	787123	62.267	ng	-0.01
45) 2-Fluorobiphenyl	13.004	172	2994380	41.434	ng	-0.03
79) Terphenyl-d14	19.762	244	3571816	47.228	ng	-0.02
Target Compounds						
						Qvalue
56) 4-Nitrophenol	14.815	139	8410	5.323	ng	# 14
63) Azobenzene	15.757	77	131695	2.669	ng	# 1
71) Phenanthrene	17.186	178	460690	5.595	ng	99
75) Fluoranthene	19.203	202	472673	4.889	ng	99
78) Pyrene	19.568	202	459974	5.853	ng	99
81) Benzo(a)anthracene	21.368	228	222738	2.890	ng	96
83) Chrysene	21.427	228	215711	3.024	ng	99
88) Benzo(b)fluoranthene	23.438	252	206766	2.749	ng	97
90) Benzo(a)pyrene	24.238	252	160480	2.278	ng	97

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

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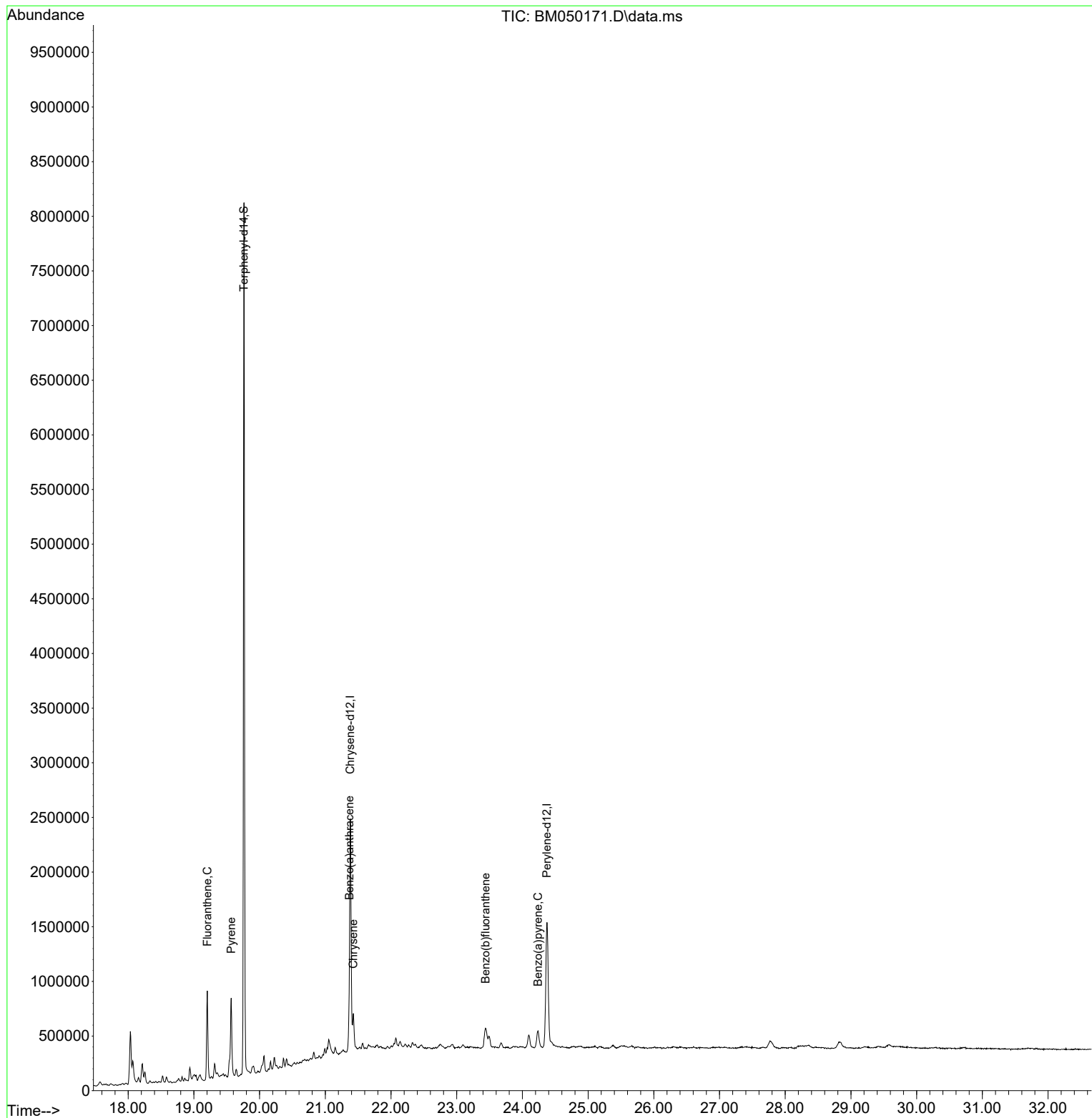
Quant Time: May 10 00:27:08 2025
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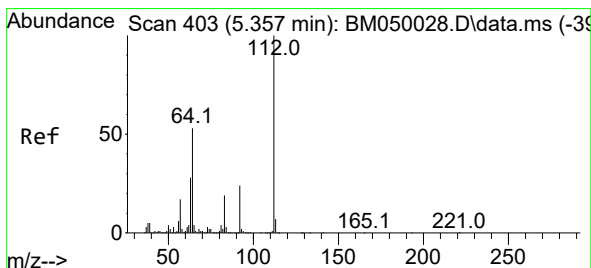
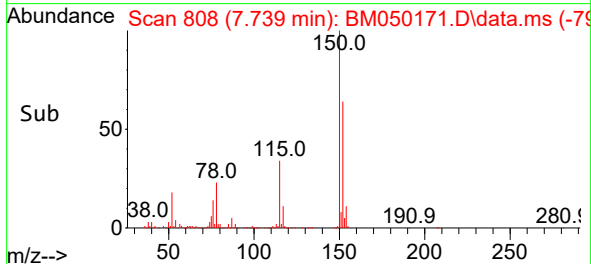
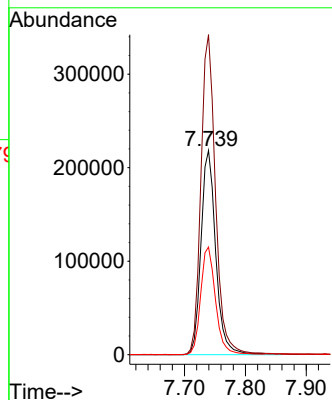
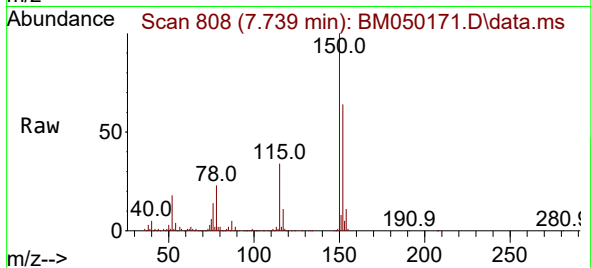




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.739 min Scan# 808
Delta R.T. -0.030 min
Lab File: BM050171.D
Acq: 09 May 2025 22:39

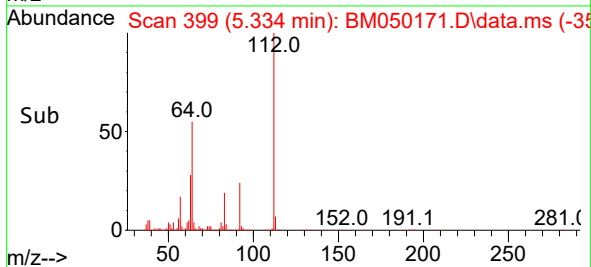
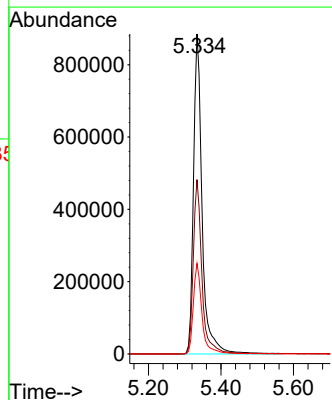
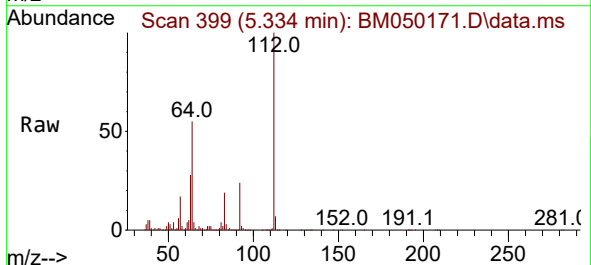
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ClientSampleId :
OR-636-COMP-04

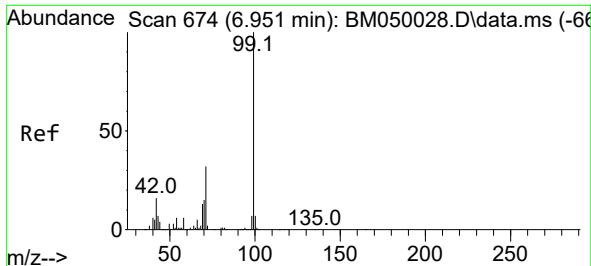
Tgt Ion:152 Resp: 367480
Ion Ratio Lower Upper
152 100
150 156.7 124.1 186.1
115 52.8 41.2 61.8



#5
2-Fluorophenol
Concen: 69.884 ng
RT: 5.334 min Scan# 399
Delta R.T. -0.024 min
Lab File: BM050171.D
Acq: 09 May 2025 22:39

Tgt Ion:112 Resp: 1466576
Ion Ratio Lower Upper
112 100
64 54.5 42.6 64.0
63 28.3 22.2 33.4

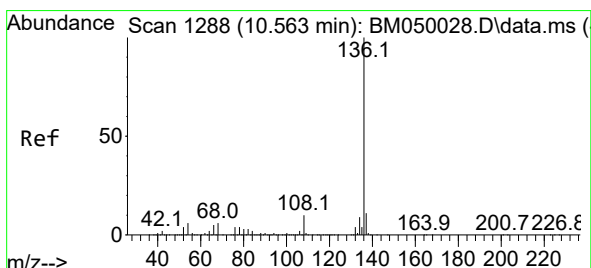
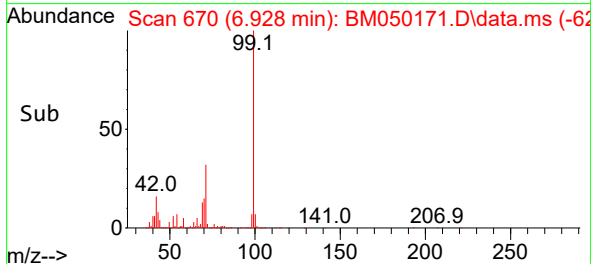
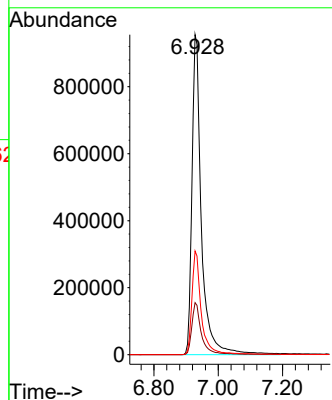
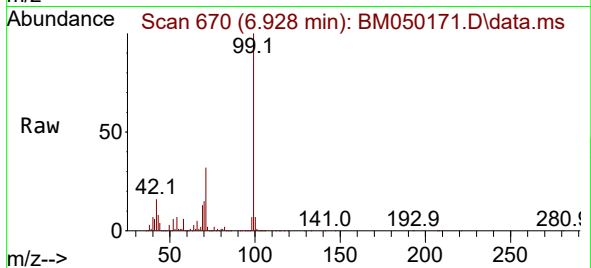




#7
Phenol-d6
Concen: 74.198 ng
RT: 6.928 min Scan# 61
Delta R.T. -0.024 min
Lab File: BM050171.D
Acq: 09 May 2025 22:39

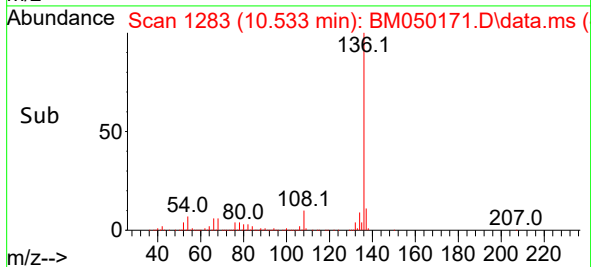
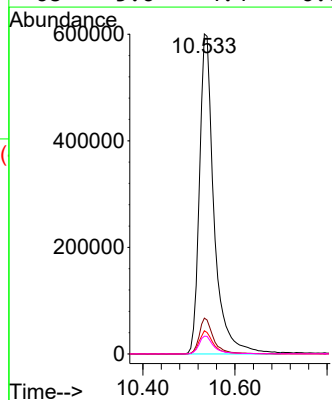
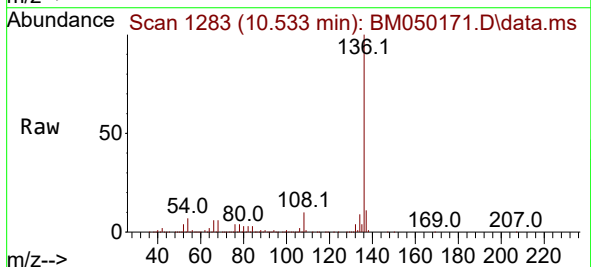
Instrument :
BNA_M
ClientSampleId :
OR-636-COMP-04

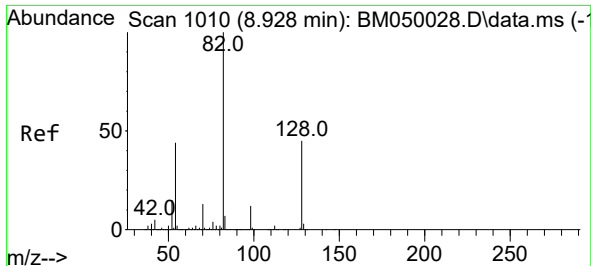
Tgt Ion: 99 Resp: 1957091
Ion Ratio Lower Upper
99 100
42 16.3 13.0 19.4
71 32.4 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.533 min Scan# 1283
Delta R.T. -0.030 min
Lab File: BM050171.D
Acq: 09 May 2025 22:39

Tgt Ion: 136 Resp: 1329961
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 7.2 5.1 7.7
68 5.6 4.4 6.6





#23

Nitrobenzene-d5

Concen: 41.798 ng

RT: 8.904 min Scan# 1006

Delta R.T. -0.024 min

Lab File: BM050171.D

Acq: 09 May 2025 22:39

Instrument :

BNA_M

ClientSampleId :

OR-636-COMP-04

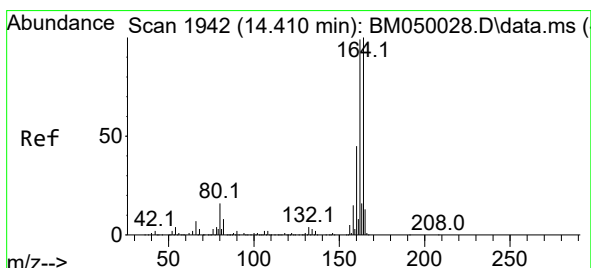
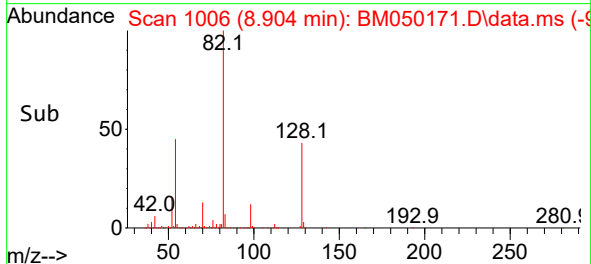
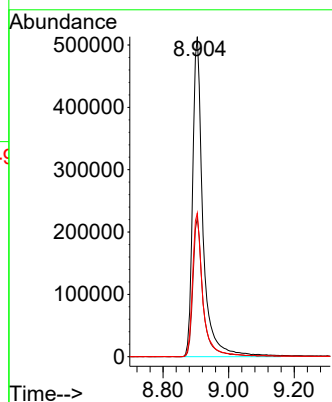
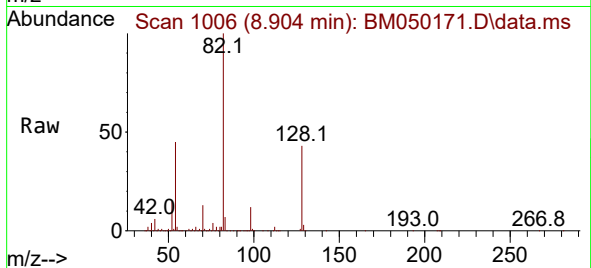
Tgt Ion: 82 Resp: 1128125

Ion Ratio Lower Upper

82 100

128 43.5 35.7 53.5

54 44.9 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: BM050171.D

Acq: 09 May 2025 22:39

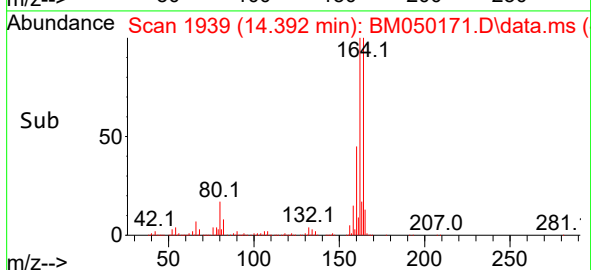
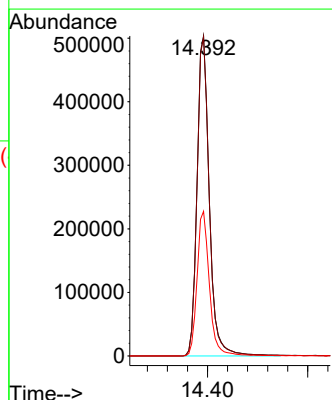
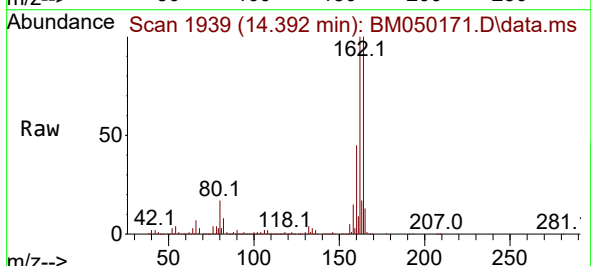
Tgt Ion: 164 Resp: 854924

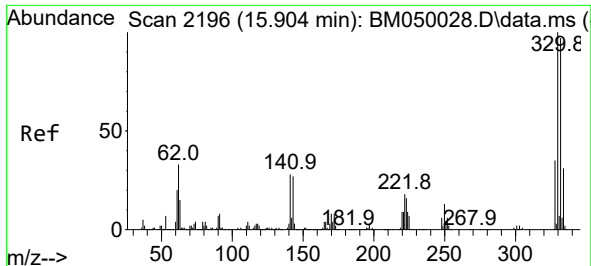
Ion Ratio Lower Upper

164 100

162 99.8 79.4 119.0

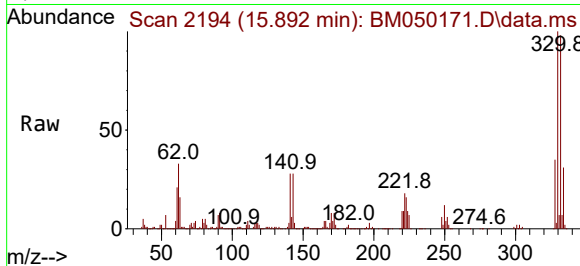
160 45.2 36.2 54.4



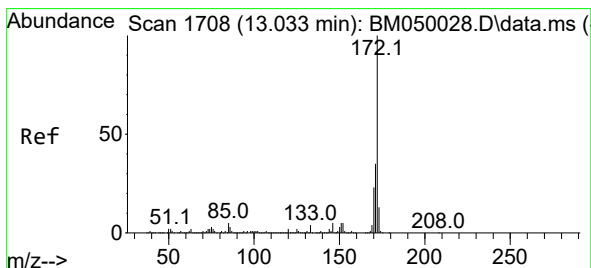
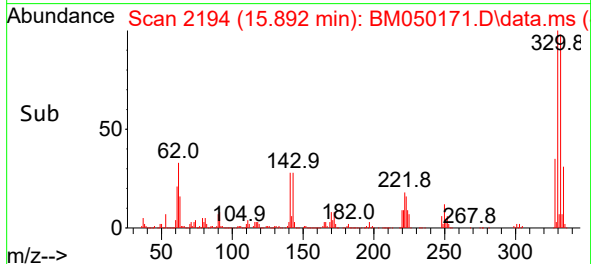
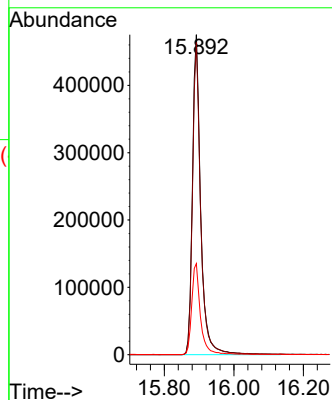


#42
2,4,6-Tribromophenol
Concen: 62.267 ng
RT: 15.892 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BM050171.D
Acq: 09 May 2025 22:39

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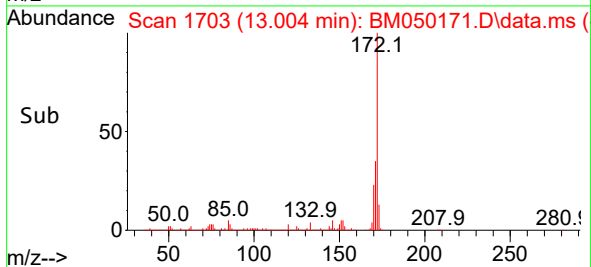
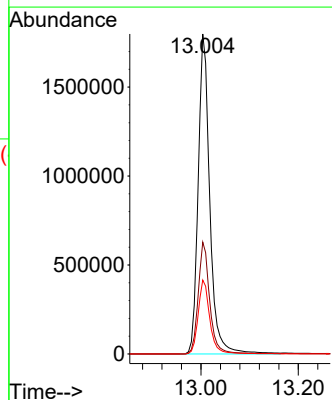
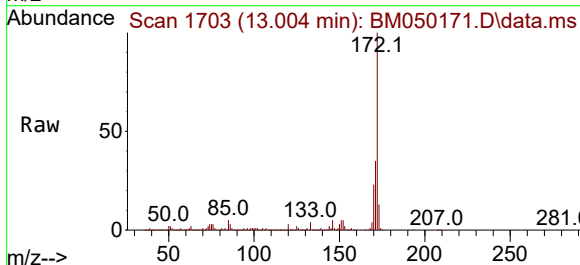


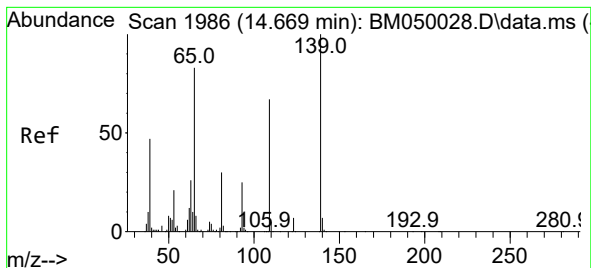
Tgt Ion:330 Resp: 787123
Ion Ratio Lower Upper
330 100
332 96.7 77.3 115.9
141 29.5 22.5 33.7



#45
2-Fluorobiphenyl
Concen: 41.434 ng
RT: 13.004 min Scan# 1703
Delta R.T. -0.029 min
Lab File: BM050171.D
Acq: 09 May 2025 22:39

Tgt Ion:172 Resp: 2994380
Ion Ratio Lower Upper
172 100
171 35.0 27.8 41.6
170 23.1 18.6 28.0

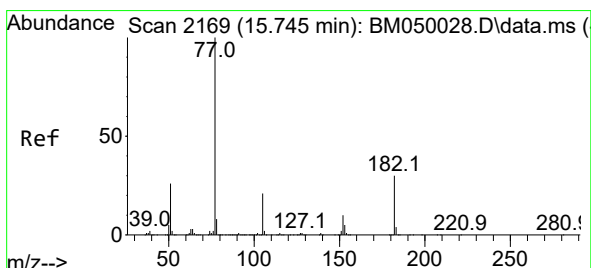
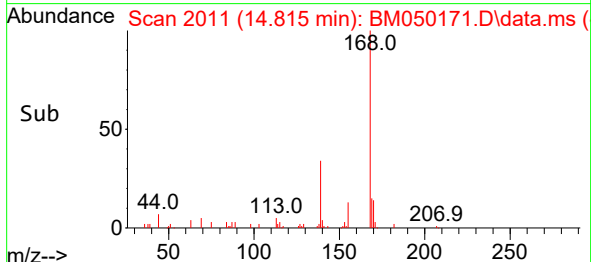
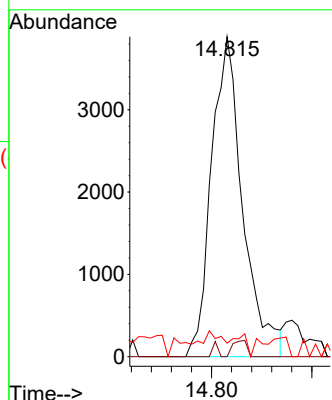
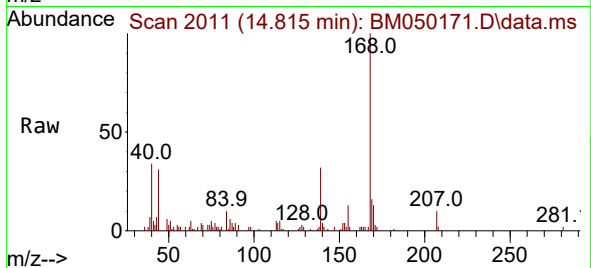




#56
4-Nitrophenol
Concen: 5.323 ng
RT: 14.815 min Scan# 2011
Delta R.T. 0.146 min
Lab File: BM050171.D
Acq: 09 May 2025 22:39

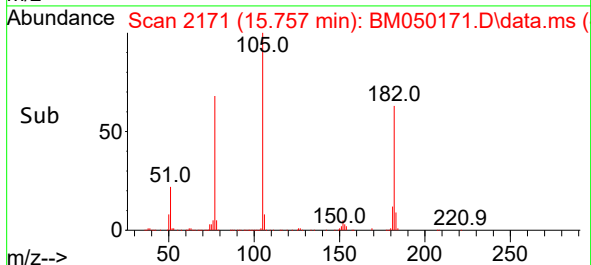
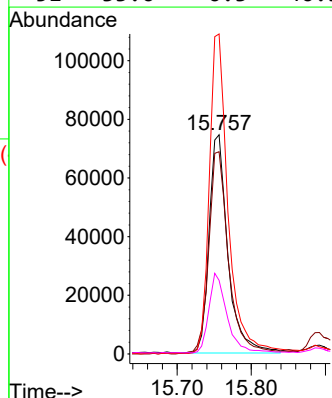
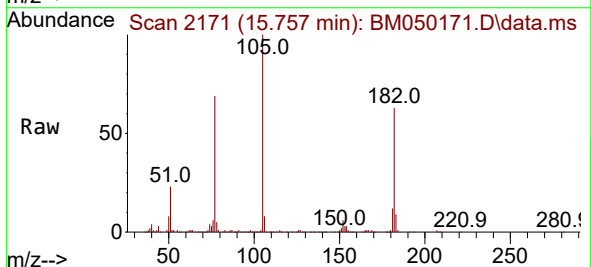
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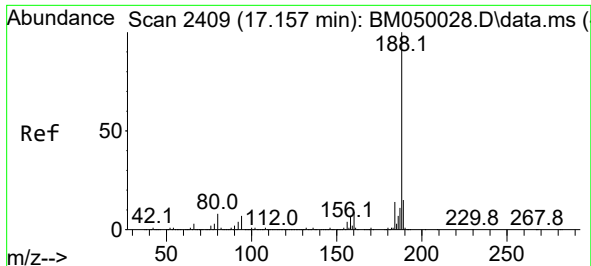
Tgt Ion:139 Resp: 8410
Ion Ratio Lower Upper
139 100
109 0.0 47.0 87.0#
65 4.2 64.3 104.3#



#63
Azobenzene
Concen: 2.669 ng
RT: 15.757 min Scan# 2171
Delta R.T. 0.012 min
Lab File: BM050171.D
Acq: 09 May 2025 22:39

Tgt Ion: 77 Resp: 131695
Ion Ratio Lower Upper
77 100
182 92.3 10.5 50.5#
105 145.9 1.1 41.1#
51 33.6 6.3 46.3

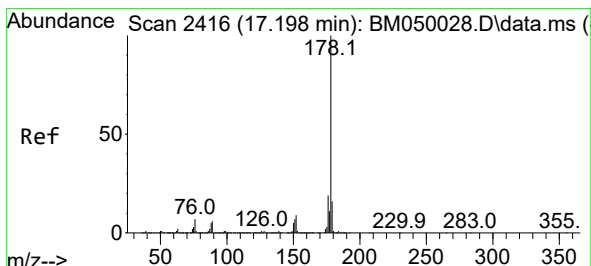
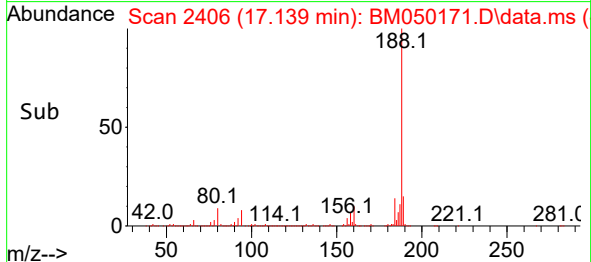
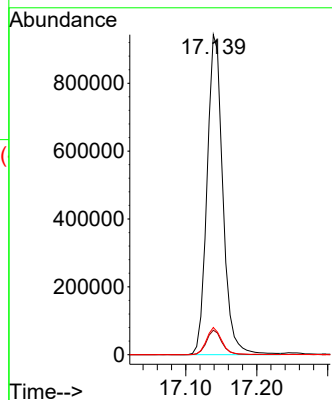
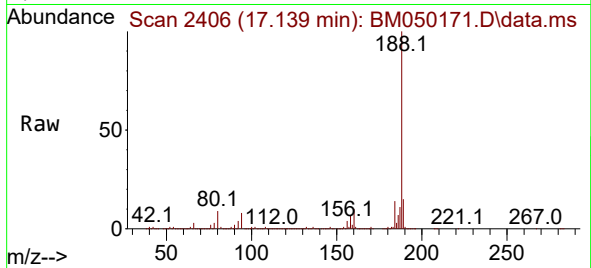




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.139 min Scan# 2406
Delta R.T. -0.018 min
Lab File: BM050171.D
Acq: 09 May 2025 22:39

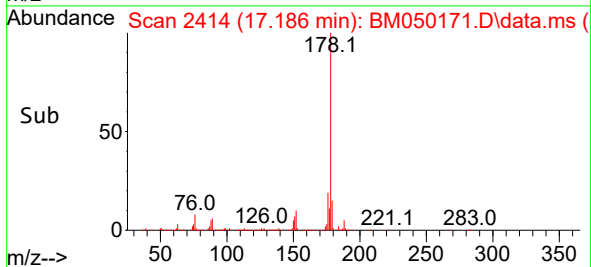
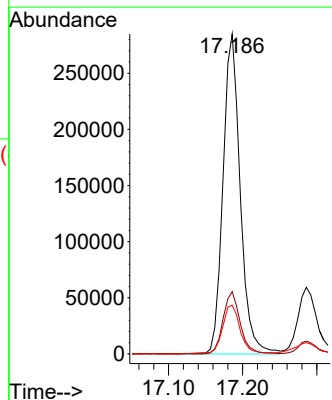
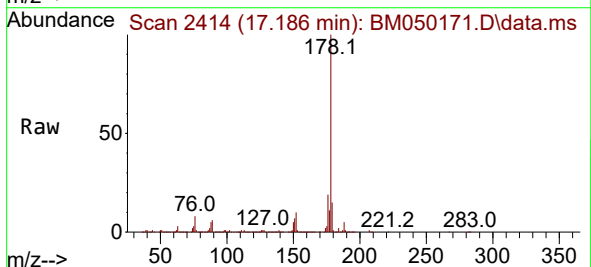
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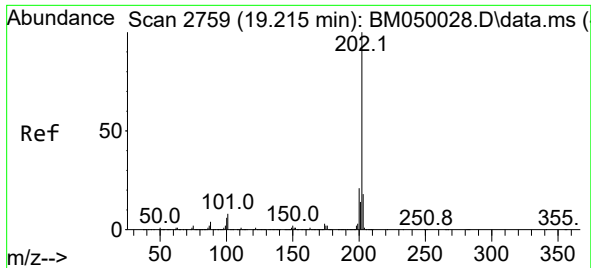
Tgt Ion:188 Resp: 1459994
Ion Ratio Lower Upper
188 100
94 7.6 5.7 8.5
80 8.5 6.2 9.4



#71
Phenanthrene
Concen: 5.595 ng
RT: 17.186 min Scan# 2414
Delta R.T. -0.012 min
Lab File: BM050171.D
Acq: 09 May 2025 22:39

Tgt Ion:178 Resp: 460690
Ion Ratio Lower Upper
178 100
176 19.5 15.3 22.9
179 15.3 12.4 18.6

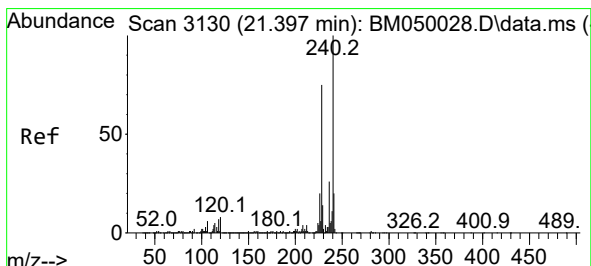
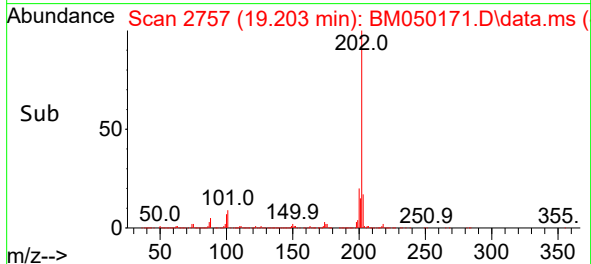
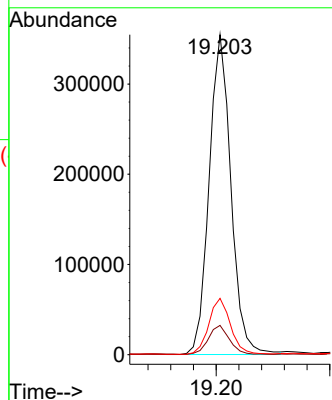
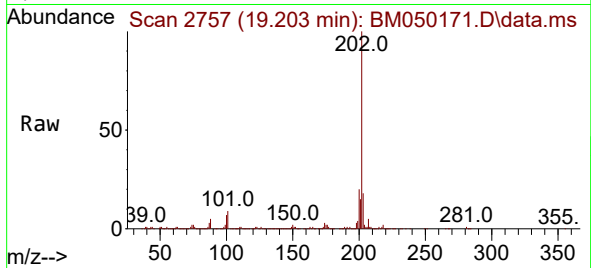




#75
Fluoranthene
Concen: 4.889 ng
RT: 19.203 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050171.D
Acq: 09 May 2025 22:39

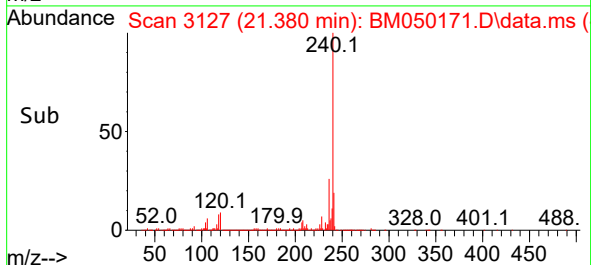
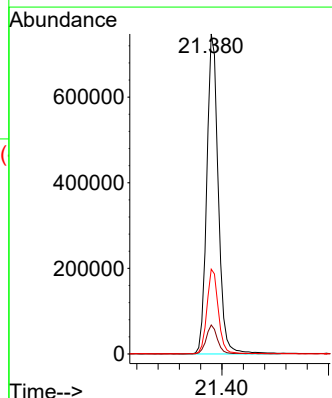
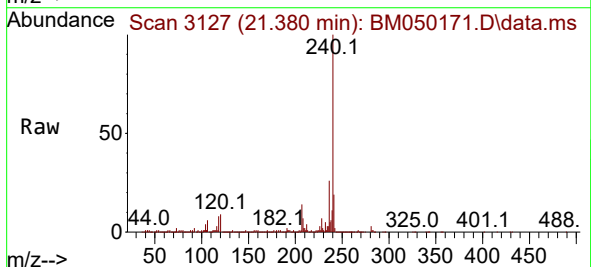
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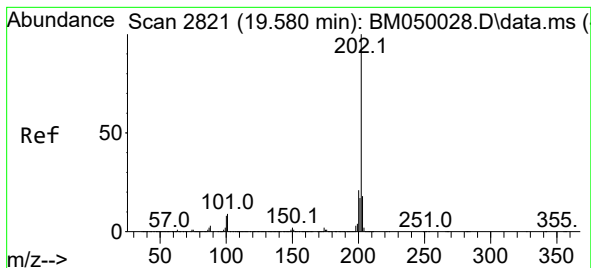
Tgt Ion:202 Resp: 472673
Ion Ratio Lower Upper
202 100
101 9.1 0.0 28.0
203 17.6 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.380 min Scan# 3127
Delta R.T. -0.017 min
Lab File: BM050171.D
Acq: 09 May 2025 22:39

Tgt Ion:240 Resp: 1119115
Ion Ratio Lower Upper
240 100
120 9.0 6.5 9.7
236 26.5 20.9 31.3





#78

Pyrene

Concen: 5.853 ng

RT: 19.568 min Scan# 2819

Delta R.T. -0.012 min

Lab File: BM050171.D

Acq: 09 May 2025 22:39

Instrument :

BNA_M

ClientSampleId :

OR-636-COMP-04

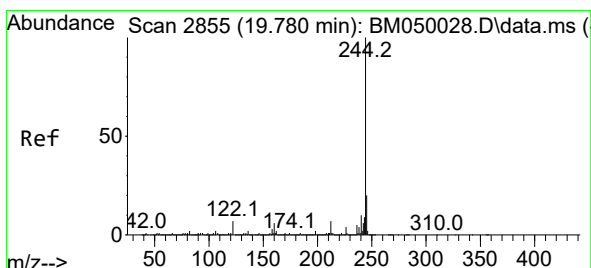
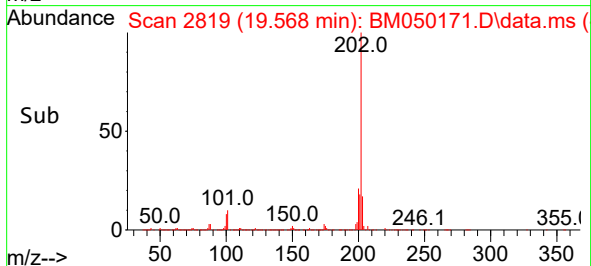
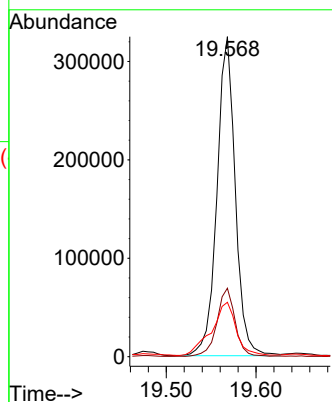
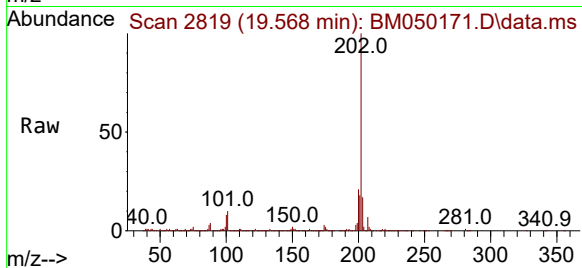
Tgt Ion:202 Resp: 459974

Ion Ratio Lower Upper

202 100

200 21.4 16.7 25.1

203 17.0 14.1 21.1



#79

Terphenyl-d14

Concen: 47.228 ng

RT: 19.762 min Scan# 2852

Delta R.T. -0.018 min

Lab File: BM050171.D

Acq: 09 May 2025 22:39

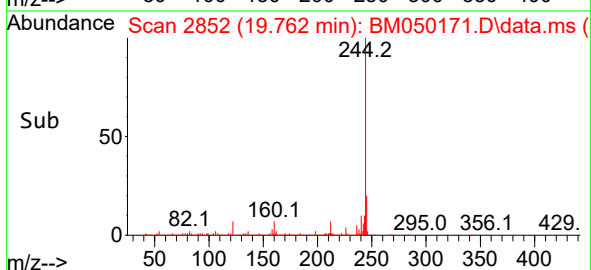
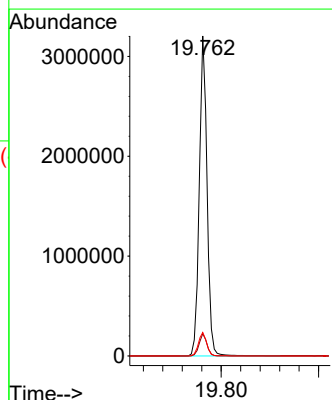
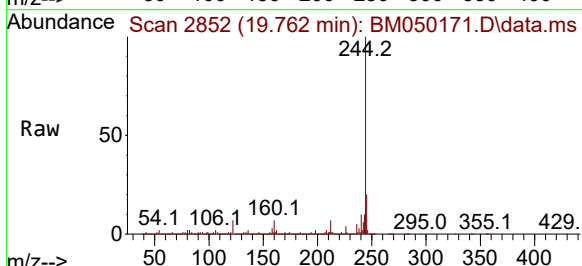
Tgt Ion:244 Resp: 3571816

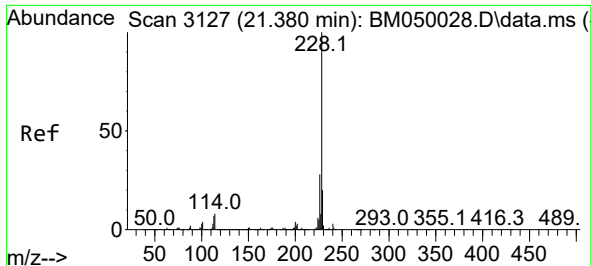
Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

122 7.3 5.6 8.4

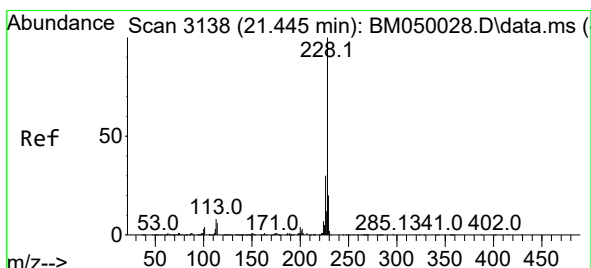
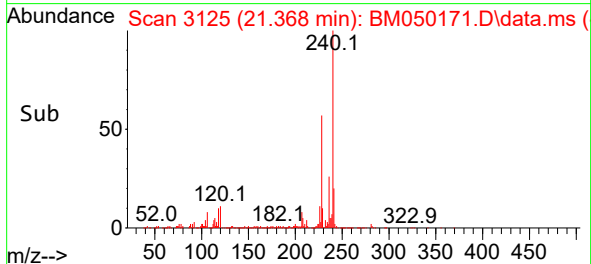
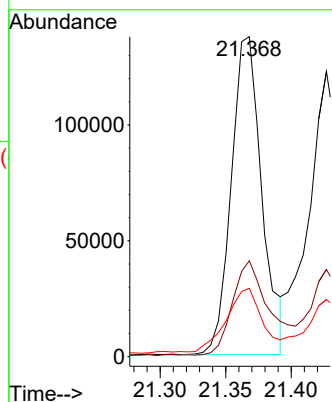
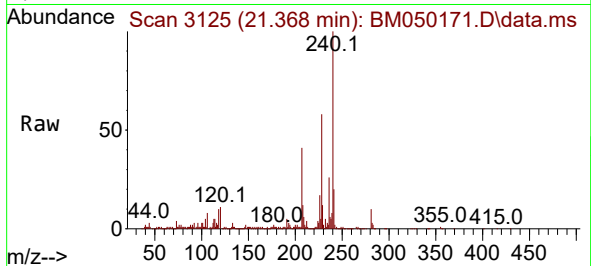




#81
Benzo(a)anthracene
Concen: 2.890 ng
RT: 21.368 min Scan# 3125
Delta R.T. -0.012 min
Lab File: BM050171.D
Acq: 09 May 2025 22:39

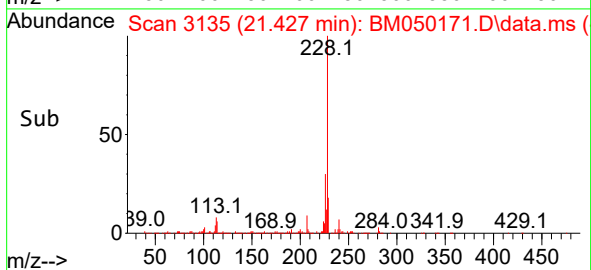
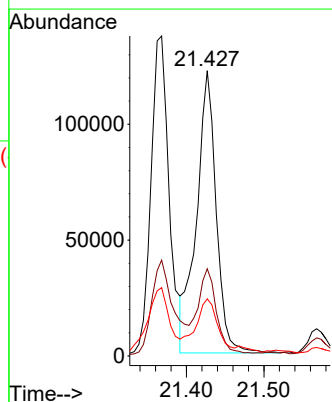
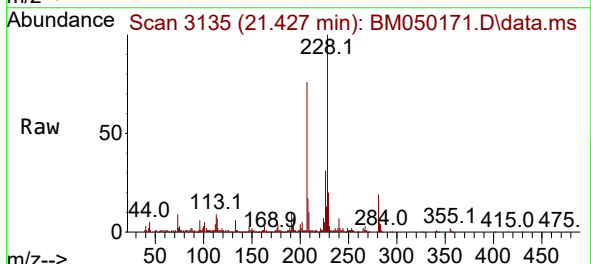
Instrument :
BNA_M
ClientSampleId :
OR-636-COMP-04

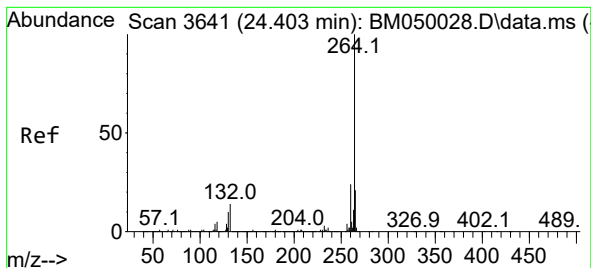
Tgt Ion:228 Resp: 222738
Ion Ratio Lower Upper
228 100
226 29.9 22.1 33.1
229 21.4 15.7 23.5



#83
Chrysene
Concen: 3.024 ng
RT: 21.427 min Scan# 3135
Delta R.T. -0.018 min
Lab File: BM050171.D
Acq: 09 May 2025 22:39

Tgt Ion:228 Resp: 215711
Ion Ratio Lower Upper
228 100
226 30.6 24.2 36.2
229 20.0 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: BM050171.D

Acq: 09 May 2025 22:39

Instrument :

BNA_M

ClientSampleId :

OR-636-COMP-04

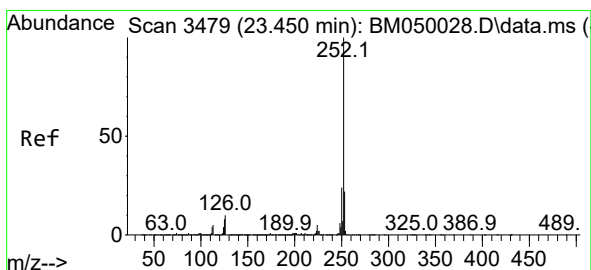
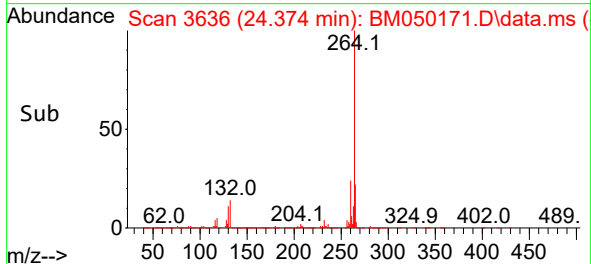
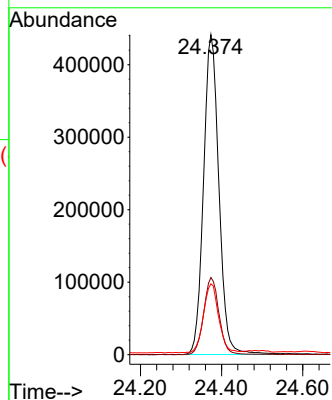
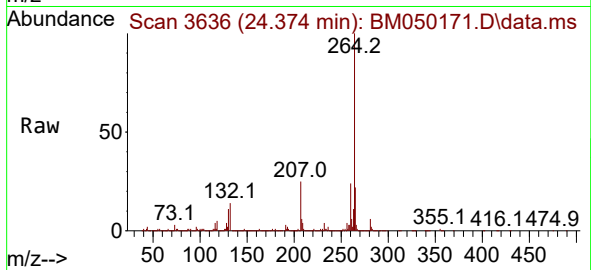
Tgt Ion:264 Resp: 1156736

Ion Ratio Lower Upper

264 100

260 24.1 18.8 28.2

265 22.2 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 2.749 ng

RT: 23.438 min Scan# 3477

Delta R.T. -0.012 min

Lab File: BM050171.D

Acq: 09 May 2025 22:39

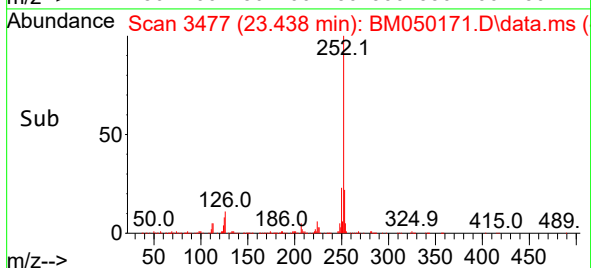
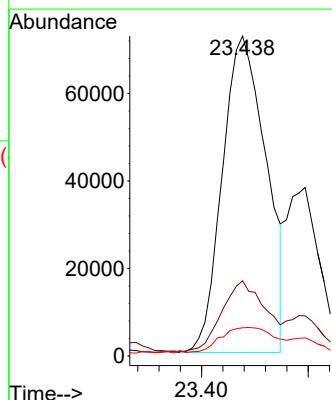
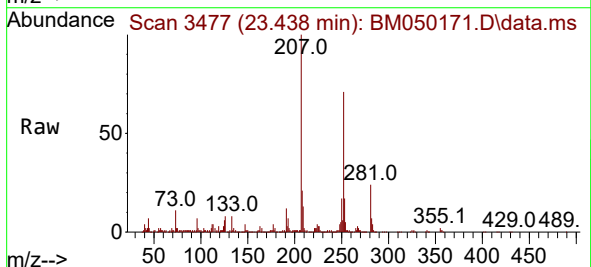
Tgt Ion:252 Resp: 206766

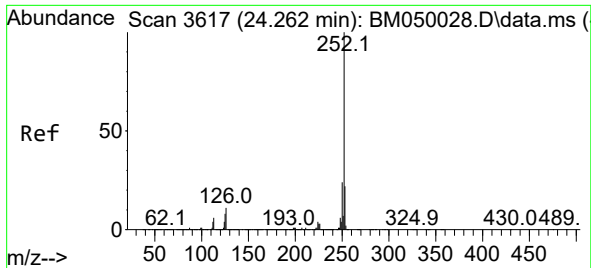
Ion Ratio Lower Upper

252 100

253 23.5 17.7 26.5

125 8.8 6.1 9.1





#90
Benzo(a)pyrene
Concen: 2.278 ng
RT: 24.238 min Scan# 30
Delta R.T. -0.024 min
Lab File: BM050171.D
Acq: 09 May 2025 22:39

Instrument :
BNA_M
ClientSampleId :
OR-636-COMP-04

Tgt Ion:252 Resp: 160480
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 9.7 6.6 9.8

