

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
 Data File : BM050088.D
 Acq On : 02 May 2025 16:38
 Operator : RC/JU
 Sample : Q1907-01DL 25X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CO-8R-WCDL

Quant Time: May 02 17:31:28 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)

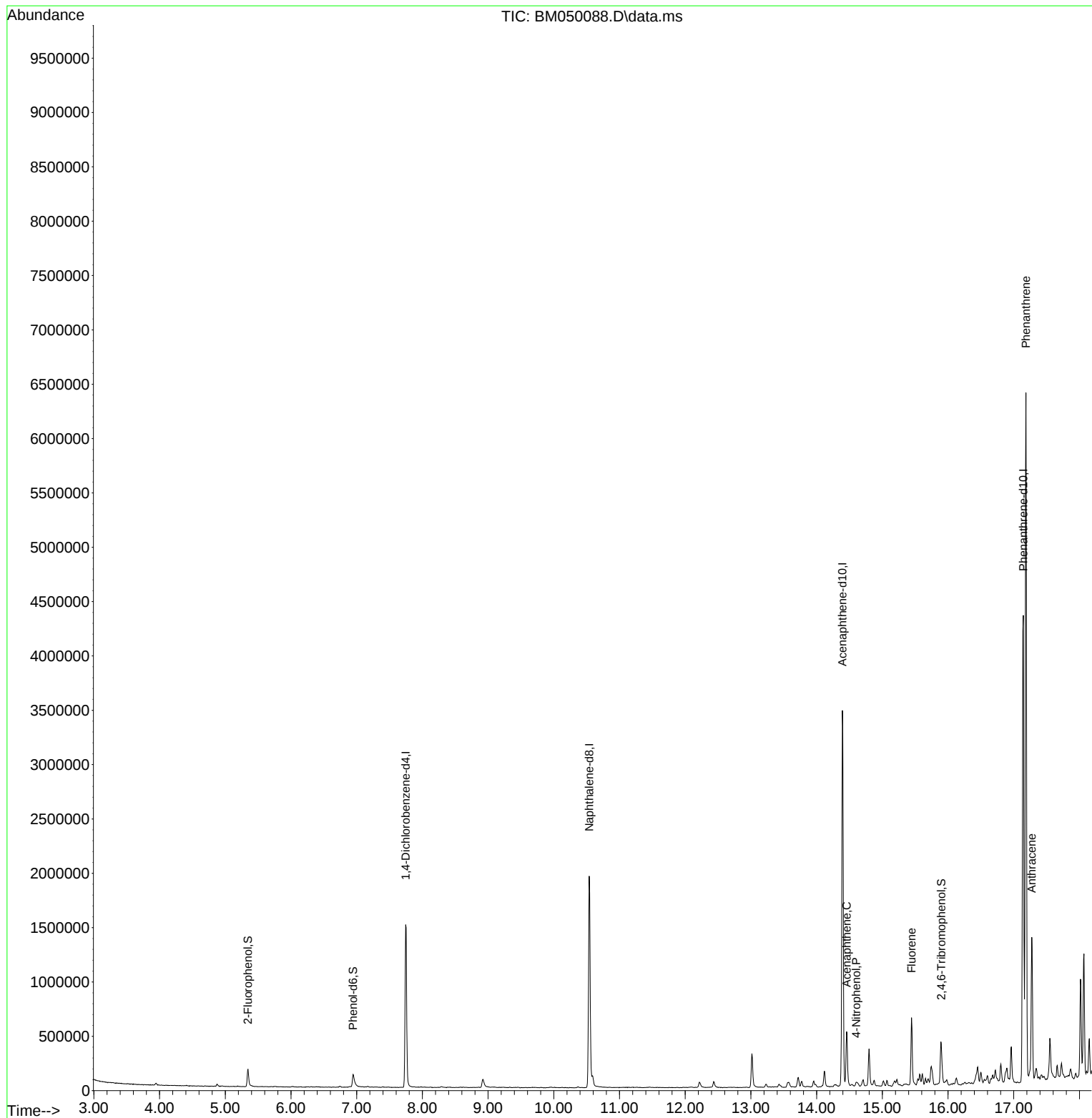
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	474607	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	1790875	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	1279449	20.000	ng	-0.02
64) Phenanthrene-d10	17.145	188	2693134	20.000	ng	-0.01
76) Chrysene-d12	21.386	240	2096678	20.000	ng	-0.01
86) Perylene-d12	24.374	264	1746089	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.345	112	88048	3.249	ng	-0.01
7) Phenol-d6	6.945	99	112598	3.305	ng	0.00
23) Nitrobenzene-d5	8.922	82	66734	1.836	ng	0.00
42) 2,4,6-Tribromophenol	15.898	330	60533	3.200	ng	0.00
45) 2-Fluorobiphenyl	13.016	172	204649	1.892	ng	-0.02
79) Terphenyl-d14	19.768	244	302084	2.132	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	14.457	154	188263	2.739	ng	100
56) 4-Nitrophenol	14.604	139	2395	4.684	ng	# 59
58) Fluorene	15.445	166	281210	3.004	ng	98
71) Phenanthrene	17.186	178	3962535	26.087	ng	100
72) Anthracene	17.274	178	874415	5.688	ng	99
75) Fluoranthene	19.203	202	4579979	25.682	ng	99
78) Pyrene	19.568	202	4191325	28.467	ng	100
81) Benzo(a)anthracene	21.368	228	1538059	10.653	ng	99
83) Chrysene	21.427	228	1371904	10.266	ng	98
84) Bis(2-ethylhexyl)phtha...	21.286	149	232417	2.822	ng	100
87) Indeno(1,2,3-cd)pyrene	27.750	276	638336	4.906	ng	96
88) Benzo(b)fluoranthene	23.433	252	1315706	11.587	ng	99
89) Benzo(k)fluoranthene	23.433	252	1315706	11.455	ng	98
90) Benzo(a)pyrene	24.232	252	1004868	9.448	ng	97
92) Benzo(g,h,i)perylene	28.803	276	635374	6.258	ng	98

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

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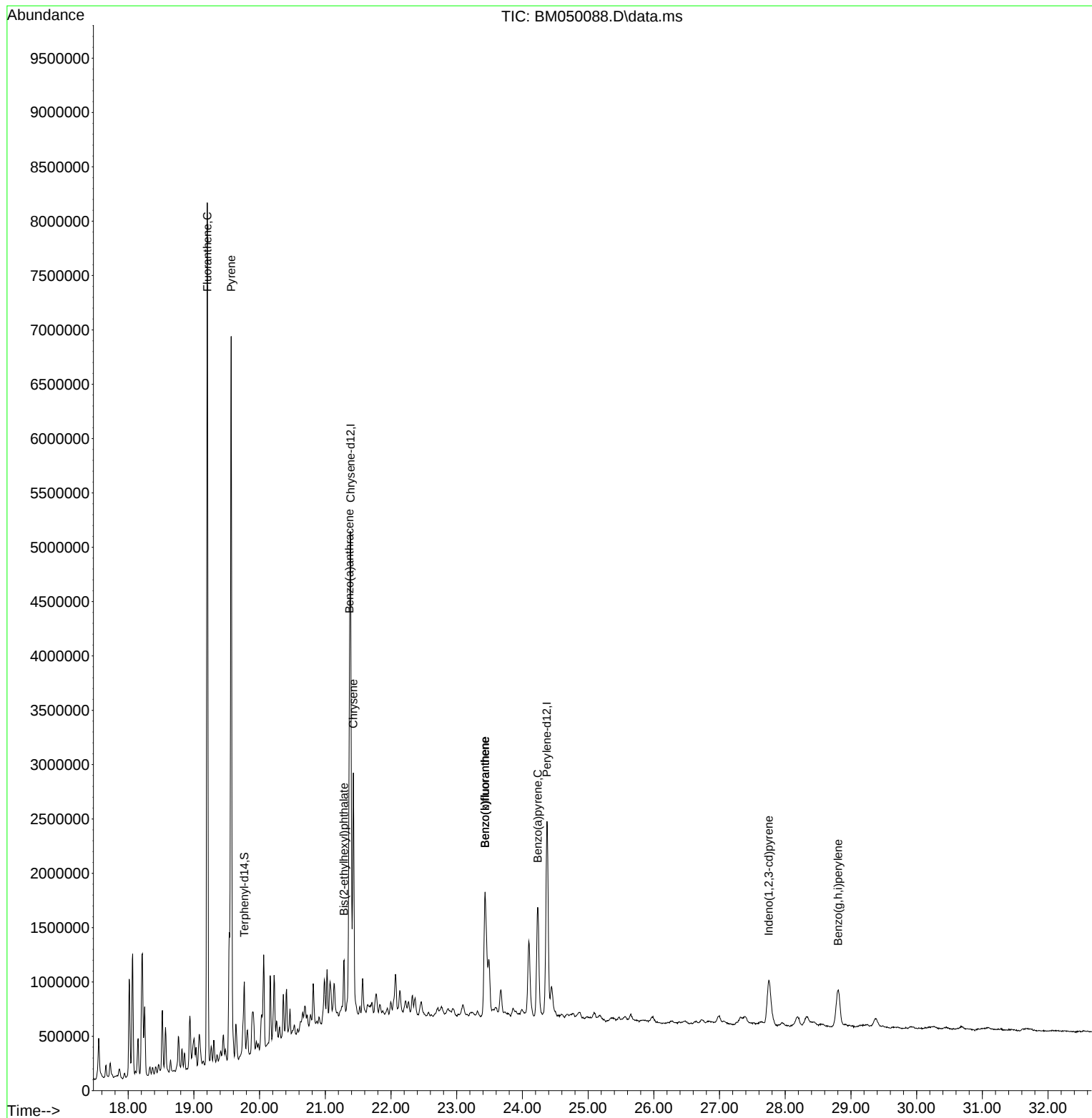
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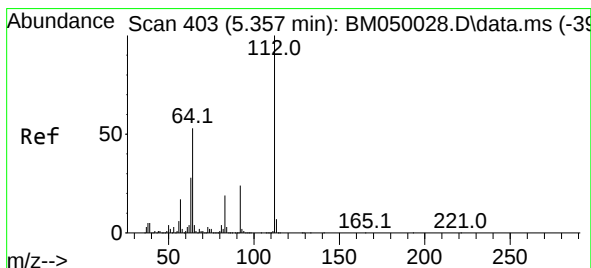
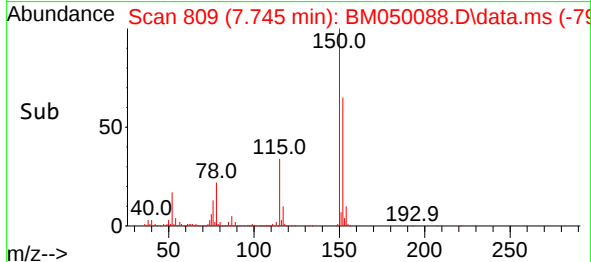
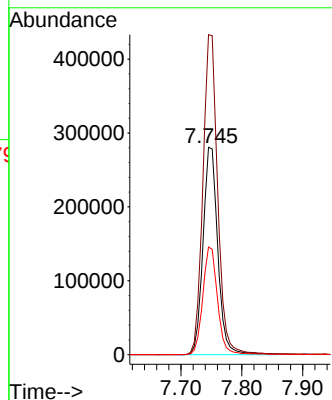
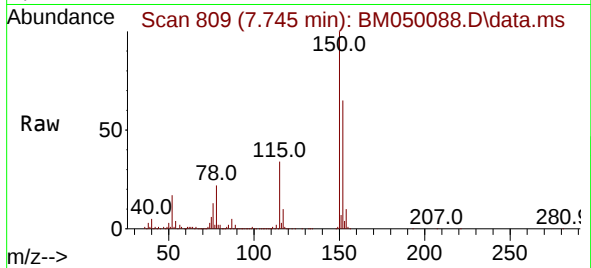




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 80
Delta R.T. -0.024 min
Lab File: BM050088.D
Acq: 02 May 2025 16:38

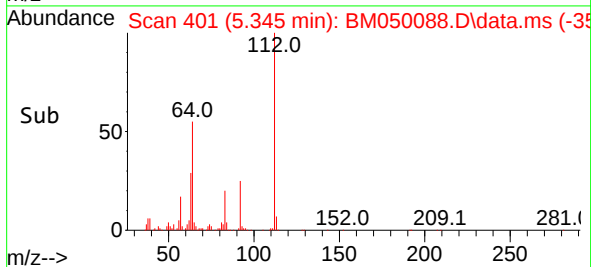
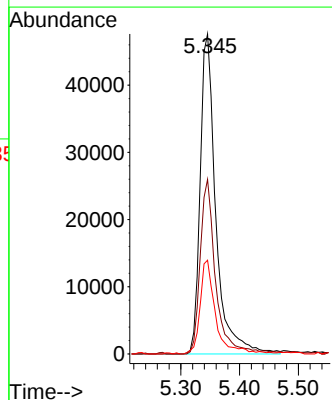
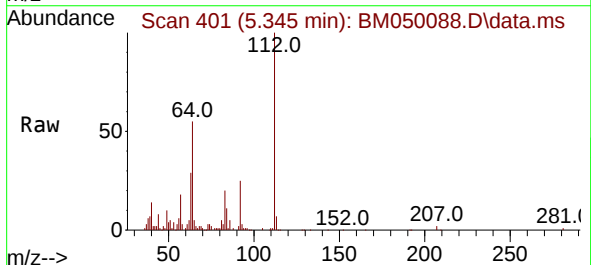
Instrument :
BNA_M
ClientSampleId :
CO-8R-WCDL

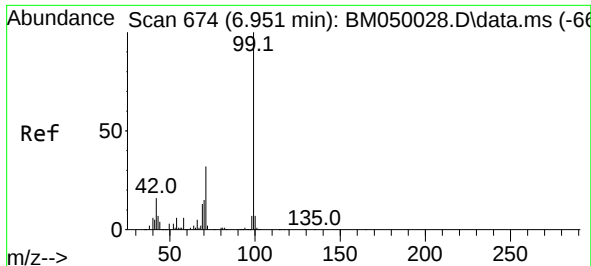
Tgt Ion:152 Resp: 474607
Ion Ratio Lower Upper
152 100
150 154.4 124.1 186.1
115 51.9 41.2 61.8



#5
2-Fluorophenol
Concen: 3.249 ng
RT: 5.345 min Scan# 401
Delta R.T. -0.012 min
Lab File: BM050088.D
Acq: 02 May 2025 16:38

Tgt Ion:112 Resp: 88048
Ion Ratio Lower Upper
112 100
64 54.5 42.6 64.0
63 29.3 22.2 33.4

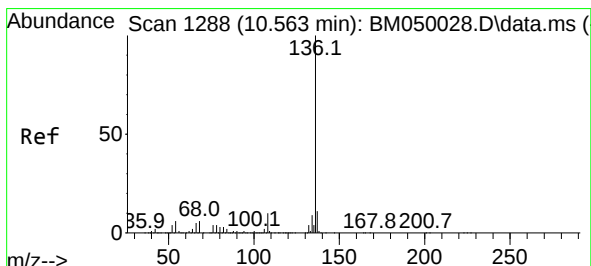
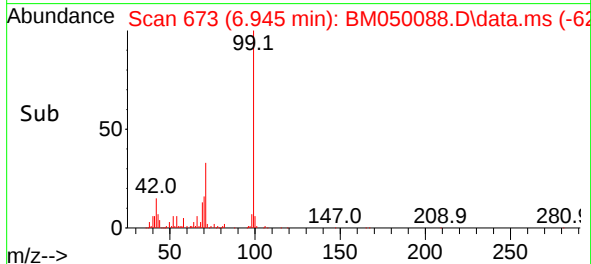
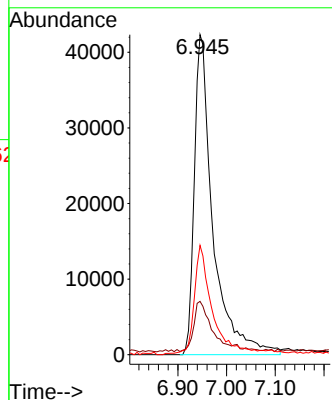
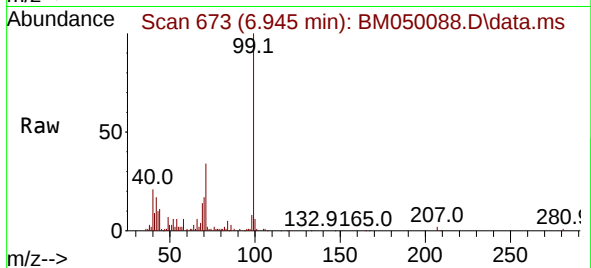




#7
Phenol-d6
Concen: 3.305 ng
RT: 6.945 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM050088.D
Acq: 02 May 2025 16:38

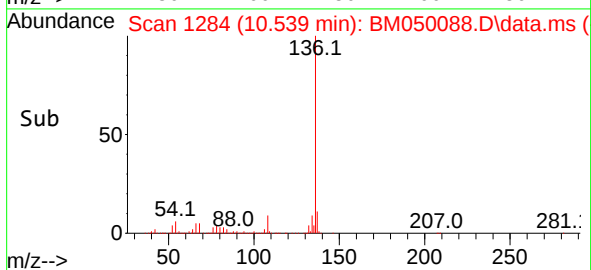
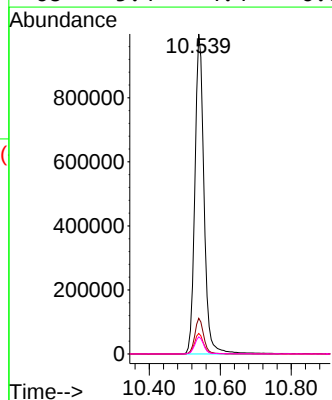
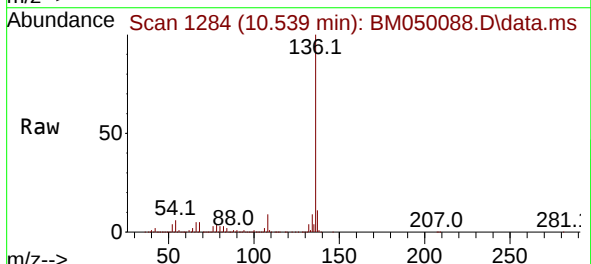
Instrument :
BNA_M
ClientSampleId :
CO-8R-WCDL

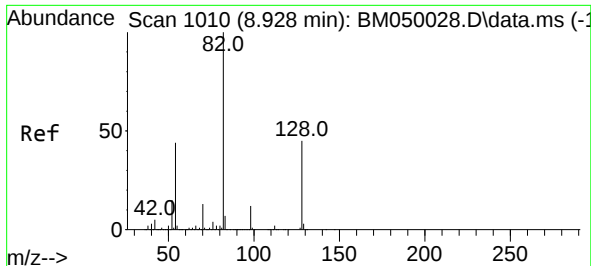
Tgt Ion: 99 Resp: 112598
Ion Ratio Lower Upper
99 100
42 16.6 13.0 19.4
71 34.2 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BM050088.D
Acq: 02 May 2025 16:38

Tgt Ion: 136 Resp: 1790875
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 6.4 5.1 7.7
68 5.4 4.4 6.6





#23

Nitrobenzene-d5

Concen: 1.836 ng

RT: 8.922 min Scan# 1010

Delta R.T. -0.006 min

Lab File: BM050088.D

Acq: 02 May 2025 16:38

Instrument :

BNA_M

ClientSampleId :

CO-8R-WCDL

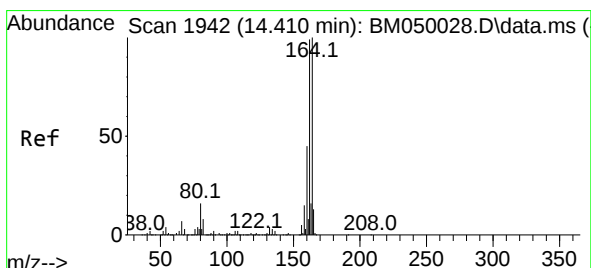
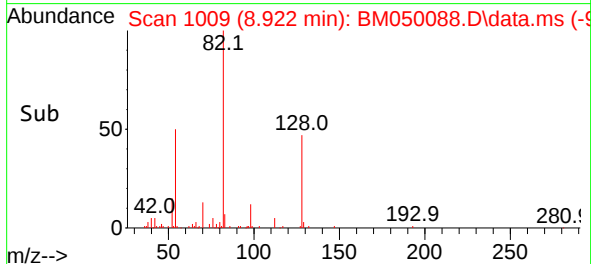
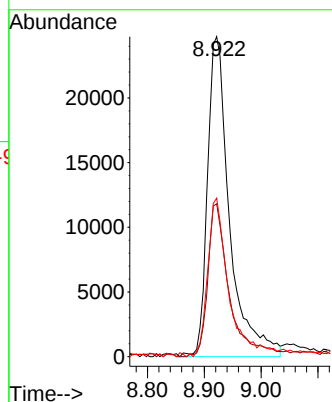
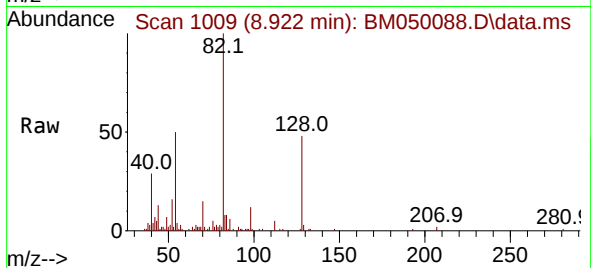
Tgt Ion: 82 Resp: 66734

Ion Ratio Lower Upper

82 100

128 47.7 35.7 53.5

54 49.6 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: BM050088.D

Acq: 02 May 2025 16:38

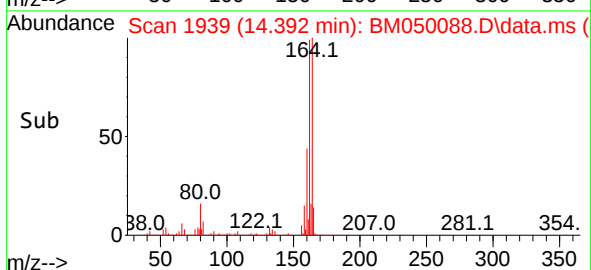
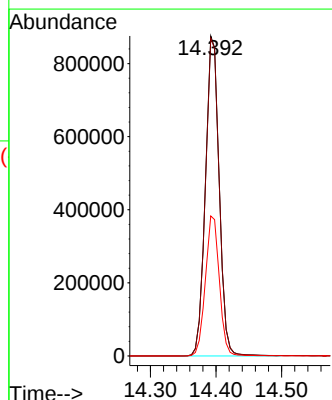
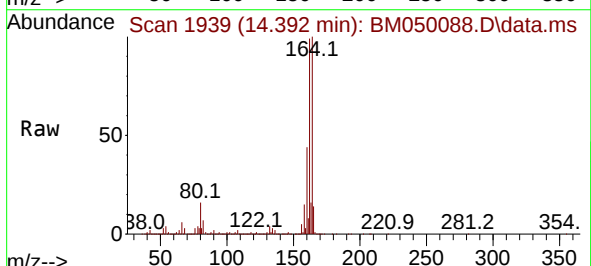
Tgt Ion: 164 Resp: 1279449

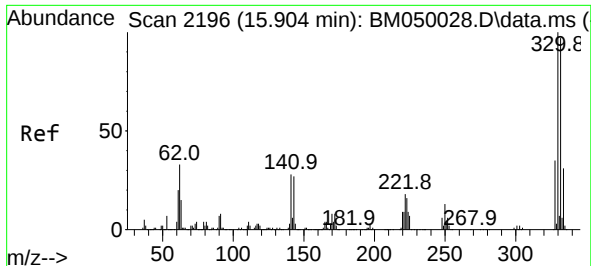
Ion Ratio Lower Upper

164 100

162 99.4 79.4 119.0

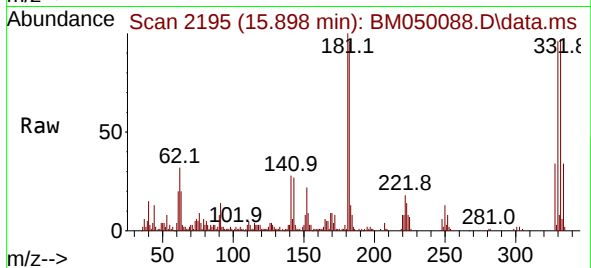
160 43.8 36.2 54.4



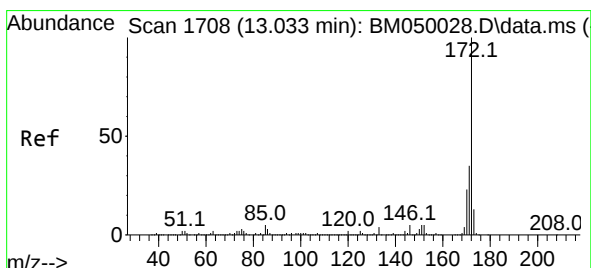
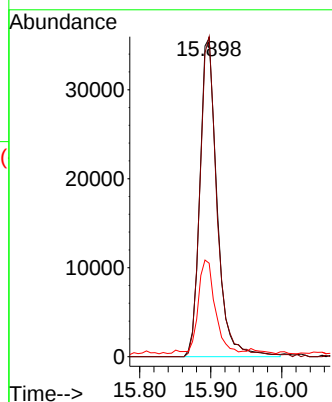
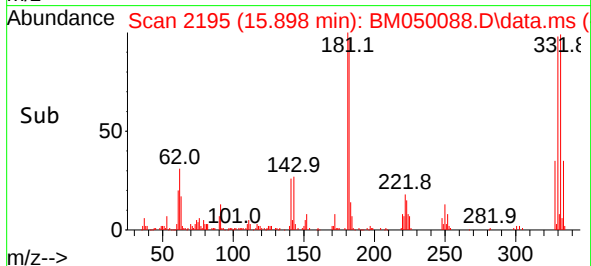


#42
2,4,6-Tribromophenol
Concen: 3.200 ng
RT: 15.898 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BM050088.D
Acq: 02 May 2025 16:38

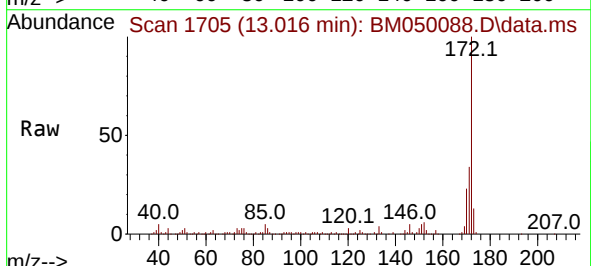
Instrument :
BNA_M
ClientSampleId :
CO-8R-WCDL



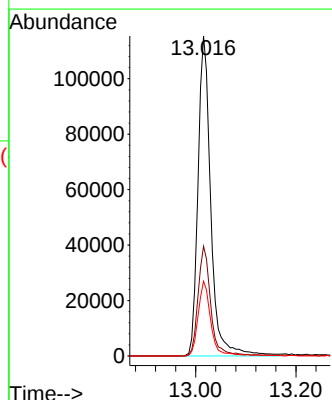
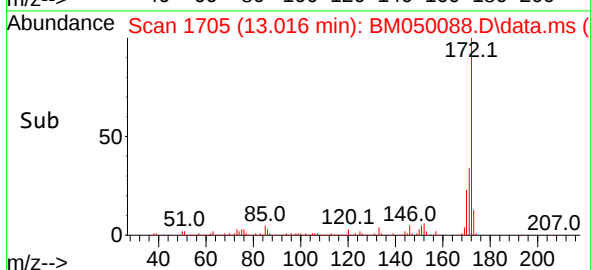
Tgt Ion:330 Resp: 60533
Ion Ratio Lower Upper
330 100
332 99.2 77.3 115.9
141 27.5 22.5 33.7

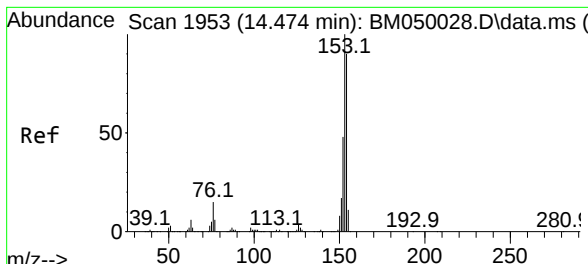


#45
2-Fluorobiphenyl
Concen: 1.892 ng
RT: 13.016 min Scan# 1705
Delta R.T. -0.018 min
Lab File: BM050088.D
Acq: 02 May 2025 16:38



Tgt Ion:172 Resp: 204649
Ion Ratio Lower Upper
172 100
171 34.3 27.8 41.6
170 23.4 18.6 28.0

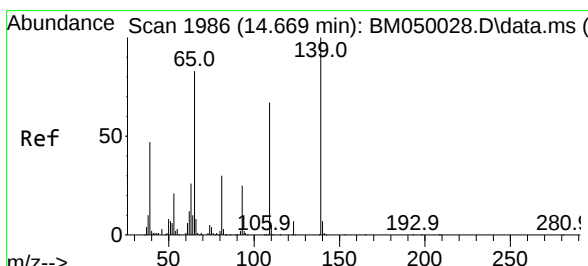
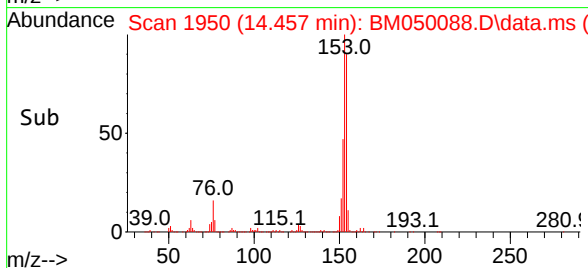
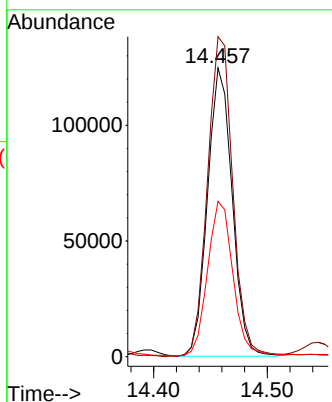
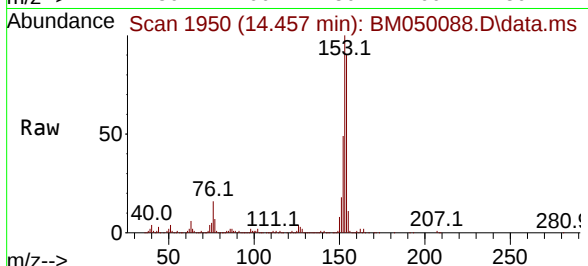




#52
 Acenaphthene
 Concen: 2.739 ng
 RT: 14.457 min Scan# 1950
 Delta R.T. -0.018 min
 Lab File: BM050088.D
 Acq: 02 May 2025 16:38

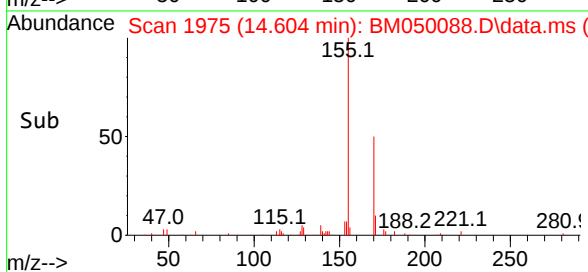
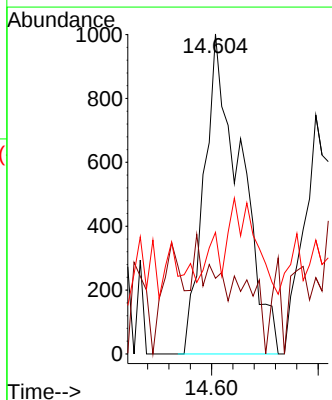
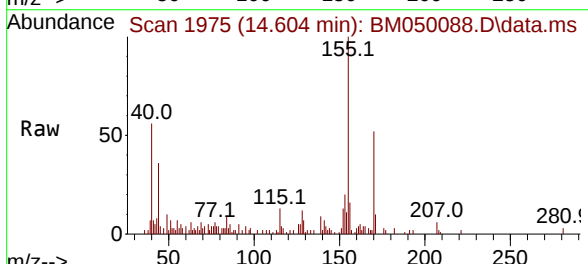
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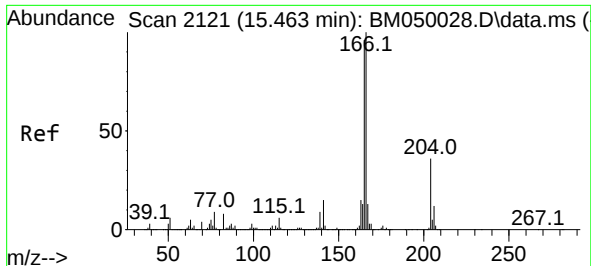
Tgt Ion:	154	Resp:	188263
Ion	Ratio	Lower	Upper
154	100		
153	110.8	89.0	133.4
152	53.8	43.0	64.6



#56
 4-Nitrophenol
 Concen: 4.684 ng
 RT: 14.604 min Scan# 1975
 Delta R.T. -0.065 min
 Lab File: BM050088.D
 Acq: 02 May 2025 16:38

Tgt Ion:	139	Resp:	2395
Ion	Ratio	Lower	Upper
139	100		
109	23.7	47.0	87.0#
65	56.3	64.3	104.3#

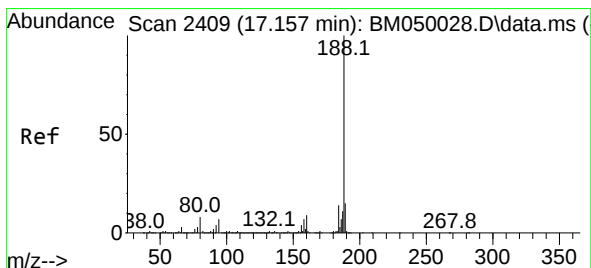
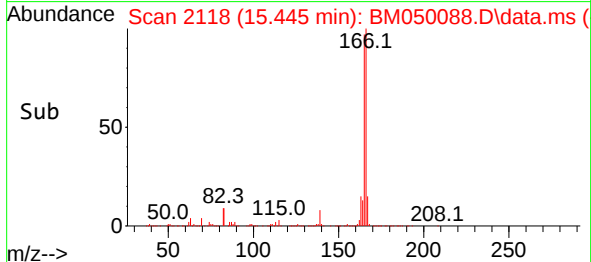
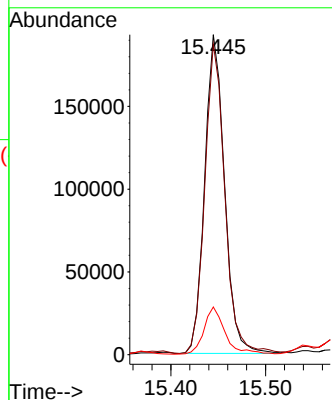
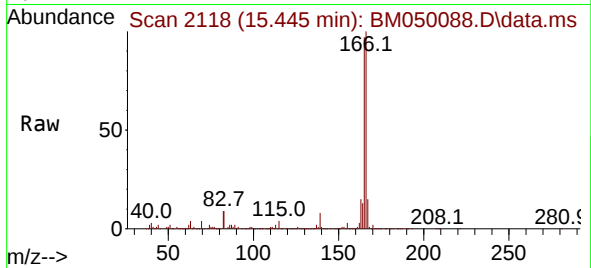




#58
 Fluorene
 Concen: 3.004 ng
 RT: 15.445 min Scan# 2121
 Delta R.T. -0.018 min
 Lab File: BM050088.D
 Acq: 02 May 2025 16:38

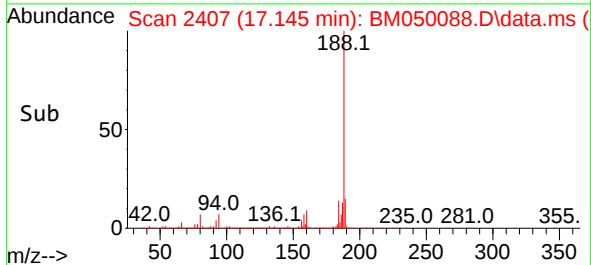
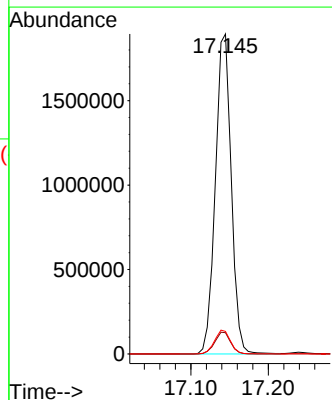
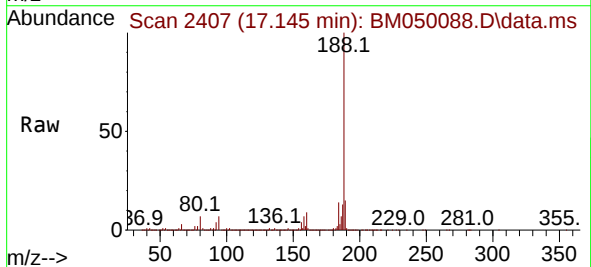
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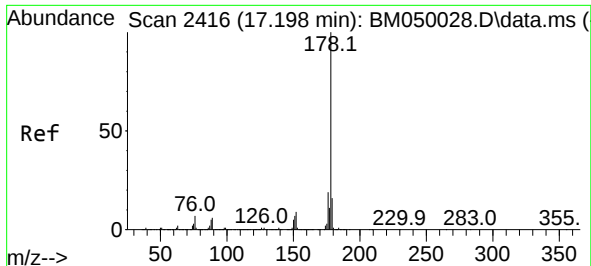
Tgt Ion:166 Resp: 281210
 Ion Ratio Lower Upper
 166 100
 165 97.1 76.6 115.0
 167 14.9 10.6 16.0



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.145 min Scan# 2407
 Delta R.T. -0.012 min
 Lab File: BM050088.D
 Acq: 02 May 2025 16:38

Tgt Ion:188 Resp: 2693134
 Ion Ratio Lower Upper
 188 100
 94 6.7 5.7 8.5
 80 7.0 6.2 9.4

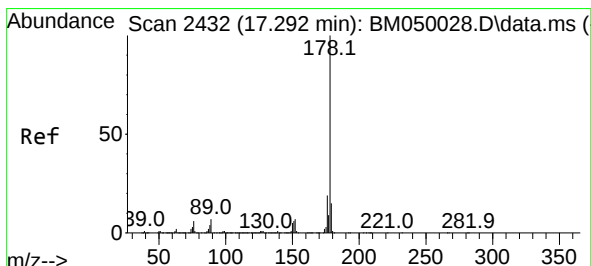
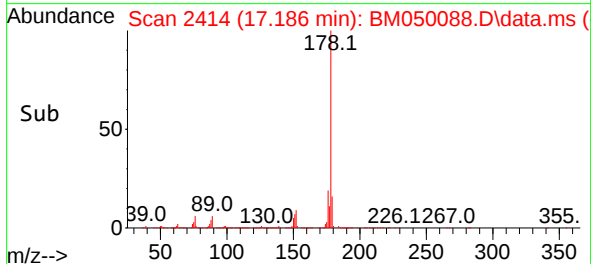
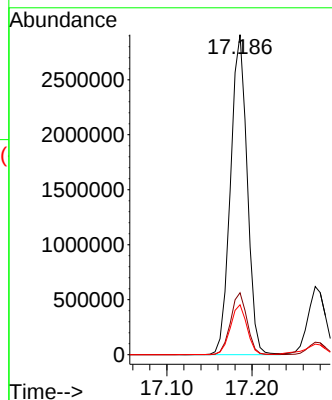
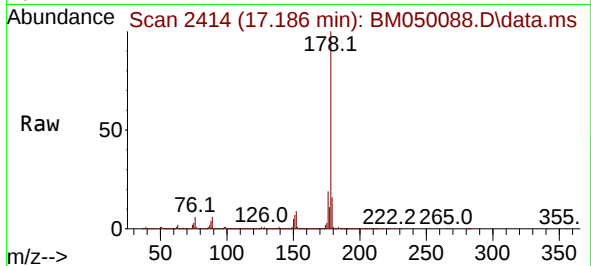




#71
Phenanthrene
Concen: 26.087 ng
RT: 17.186 min Scan# 2416
Delta R.T. -0.012 min
Lab File: BM050088.D
Acq: 02 May 2025 16:38

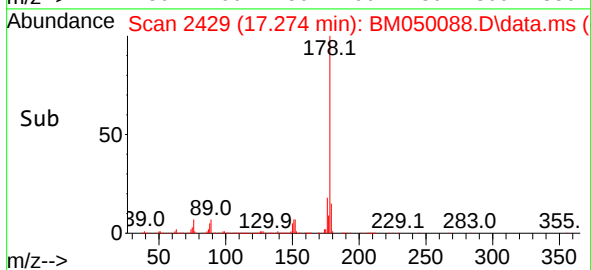
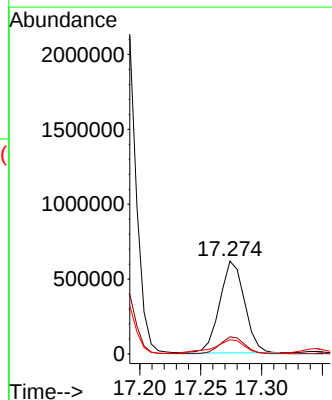
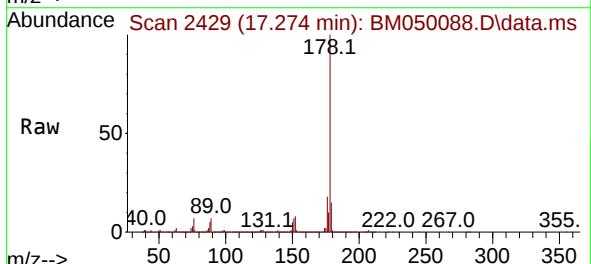
Instrument :
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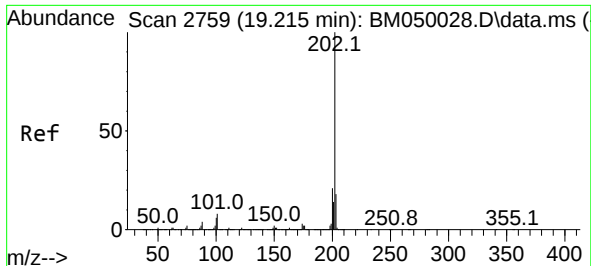
Tgt Ion:178 Resp: 3962535
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.6 12.4 18.6



#72
Anthracene
Concen: 5.688 ng
RT: 17.274 min Scan# 2429
Delta R.T. -0.018 min
Lab File: BM050088.D
Acq: 02 May 2025 16:38

Tgt Ion:178 Resp: 874415
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.4
179 15.4 12.2 18.4

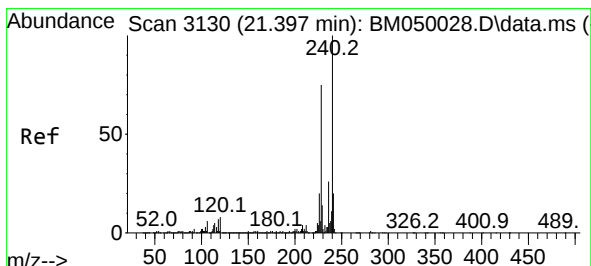
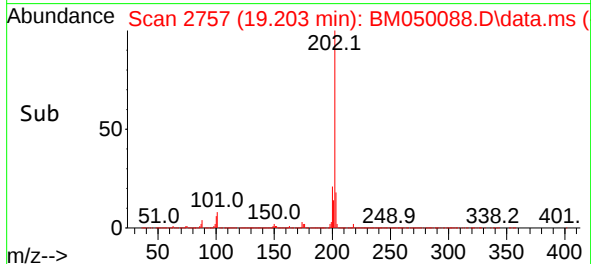
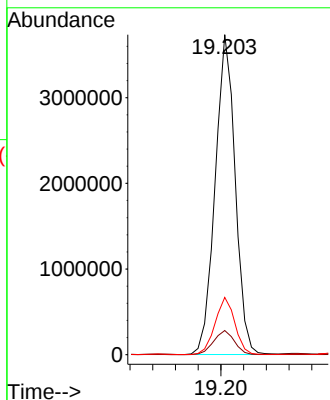
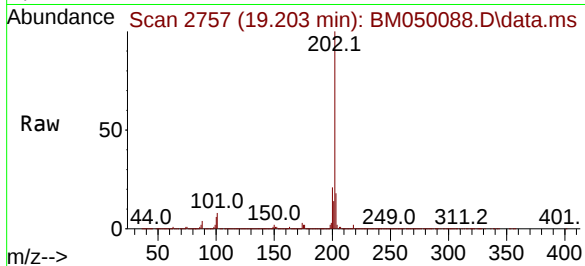




#75
Fluoranthene
Concen: 25.682 ng
RT: 19.203 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050088.D
Acq: 02 May 2025 16:38

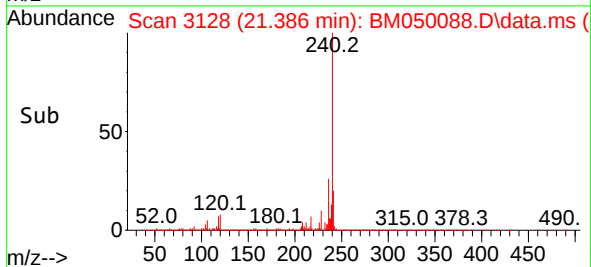
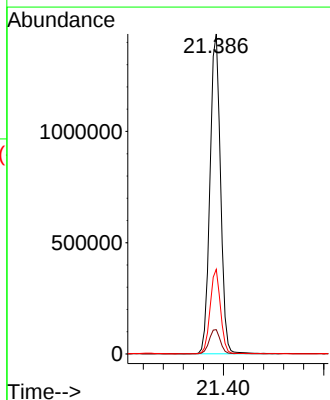
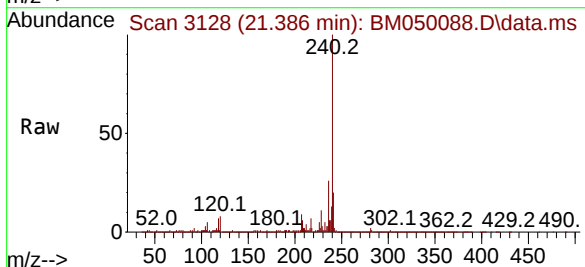
Instrument :
BNA_M
ClientSampleId :
CO-8R-WCDL

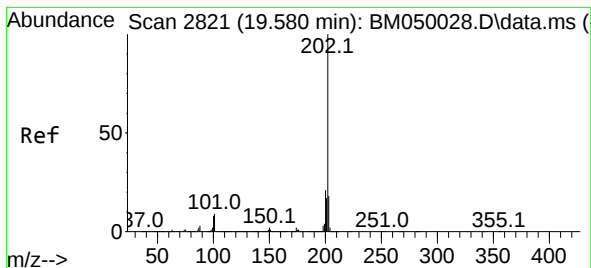
Tgt Ion:202 Resp: 4579979
Ion Ratio Lower Upper
202 100
101 7.5 0.0 28.0
203 17.9 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3128
Delta R.T. -0.011 min
Lab File: BM050088.D
Acq: 02 May 2025 16:38

Tgt Ion:240 Resp: 2096678
Ion Ratio Lower Upper
240 100
120 7.6 6.5 9.7
236 26.4 20.9 31.3





#78

Pyrene

Concen: 28.467 ng

RT: 19.568 min Scan# 2

Delta R.T. -0.012 min

Lab File: BM050088.D

Acq: 02 May 2025 16:38

Instrument :

BNA_M

ClientSampleId :

CO-8R-WCDL

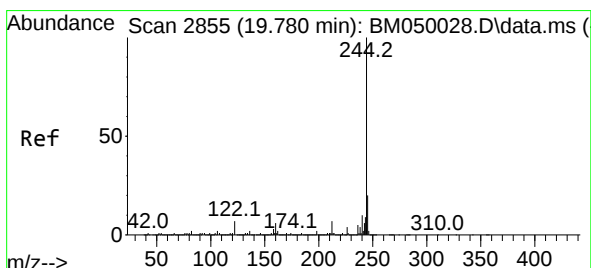
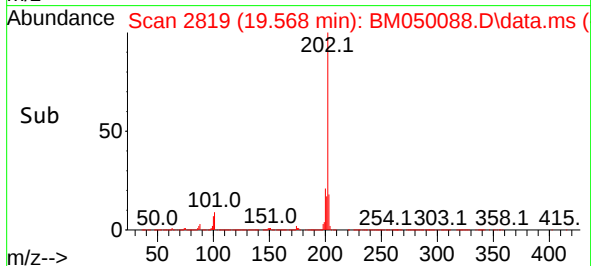
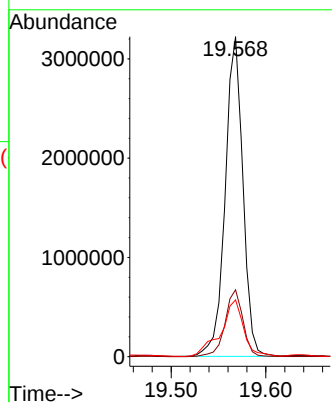
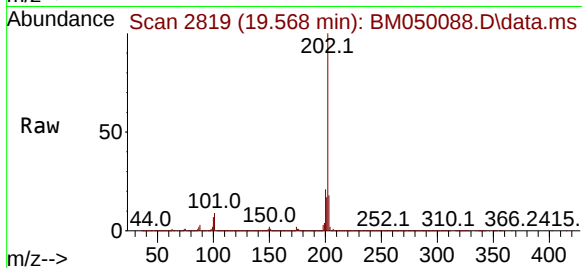
Tgt Ion:202 Resp: 4191325

Ion Ratio Lower Upper

202 100

200 20.9 16.7 25.1

203 17.8 14.1 21.1



#79

Terphenyl-d14

Concen: 2.132 ng

RT: 19.768 min Scan# 2853

Delta R.T. -0.012 min

Lab File: BM050088.D

Acq: 02 May 2025 16:38

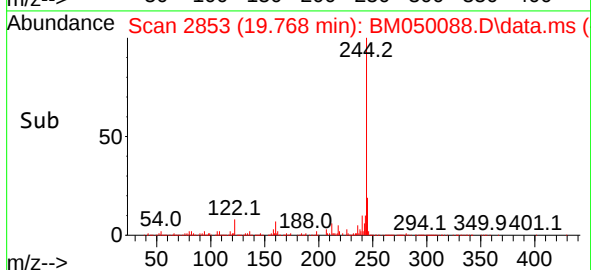
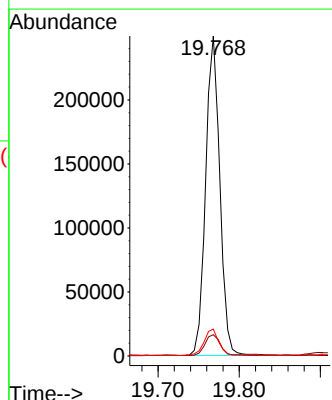
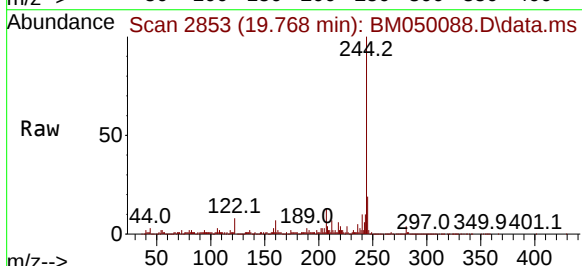
Tgt Ion:244 Resp: 302084

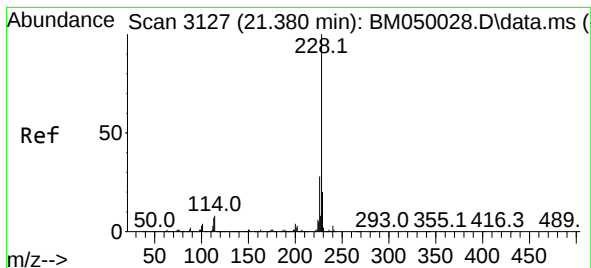
Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

122 8.4 5.6 8.4





#81

Benzo(a)anthracene

Concen: 10.653 ng

RT: 21.368 min Scan# 3125

Delta R.T. -0.012 min

Lab File: BM050088.D

Acq: 02 May 2025 16:38

Instrument :

BNA_M

ClientSampleId :

CO-8R-WCDL

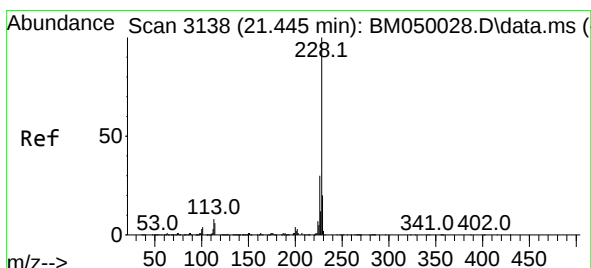
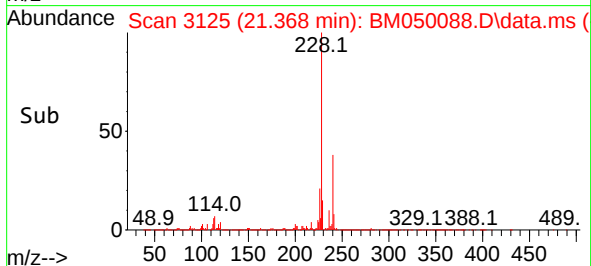
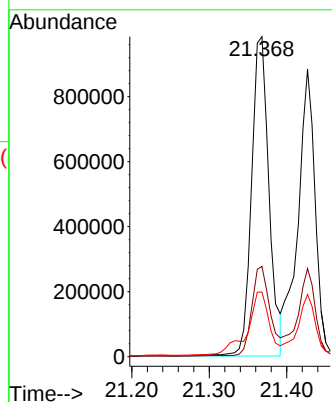
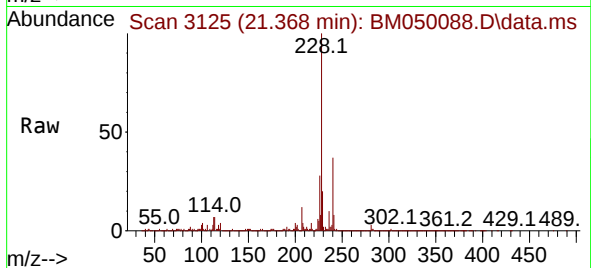
Tgt Ion:228 Resp: 1538059

Ion Ratio Lower Upper

228 100

226 28.2 22.1 33.1

229 20.2 15.7 23.5



#83

Chrysene

Concen: 10.266 ng

RT: 21.427 min Scan# 3135

Delta R.T. -0.018 min

Lab File: BM050088.D

Acq: 02 May 2025 16:38

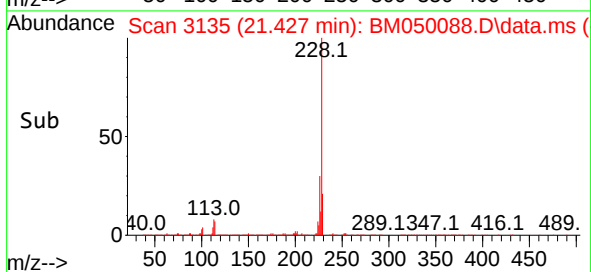
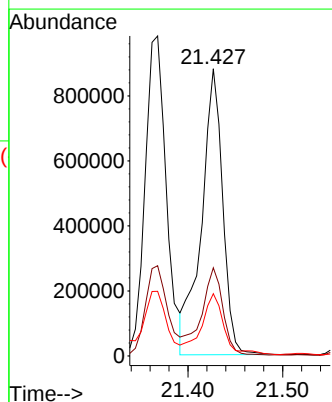
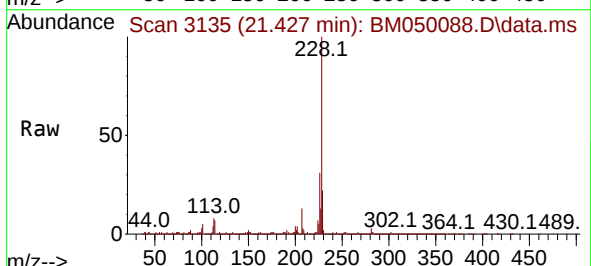
Tgt Ion:228 Resp: 1371904

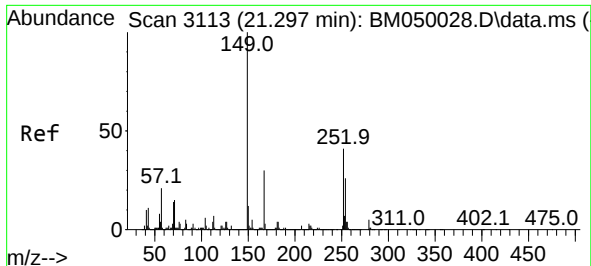
Ion Ratio Lower Upper

228 100

226 30.7 24.2 36.2

229 21.7 15.7 23.5

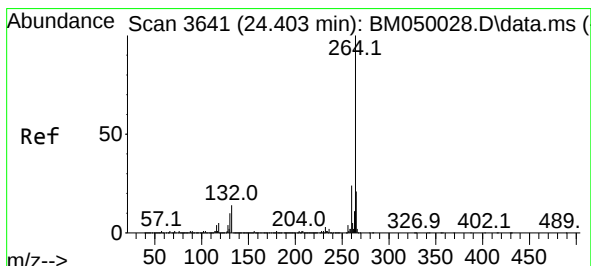
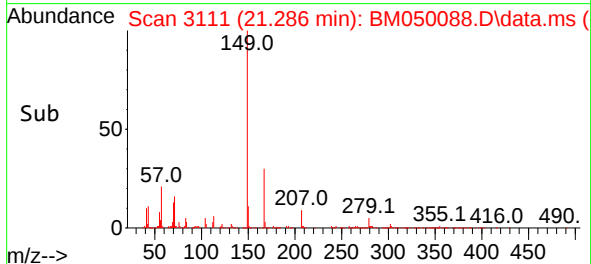
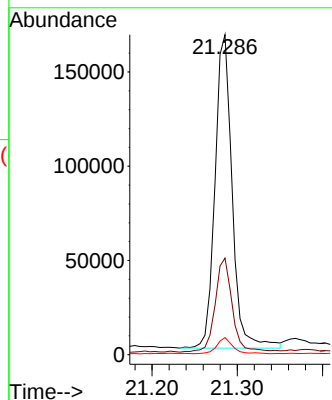
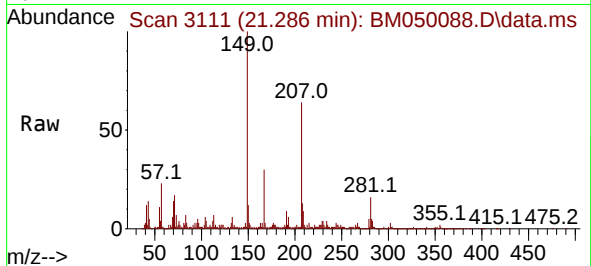




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.822 ng
 RT: 21.286 min Scan# 3111
 Delta R.T. -0.012 min
 Lab File: BM050088.D
 Acq: 02 May 2025 16:38

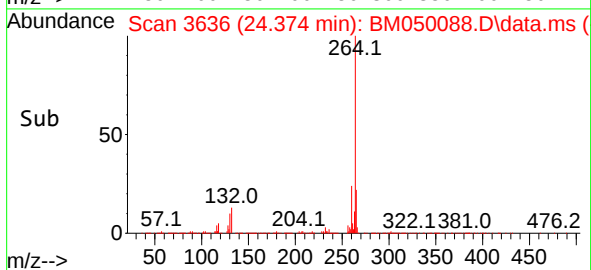
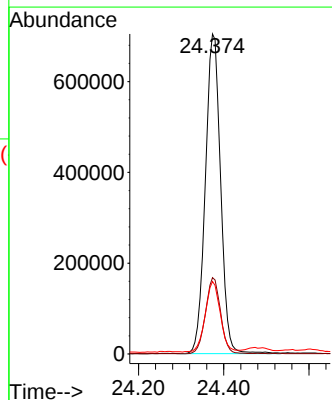
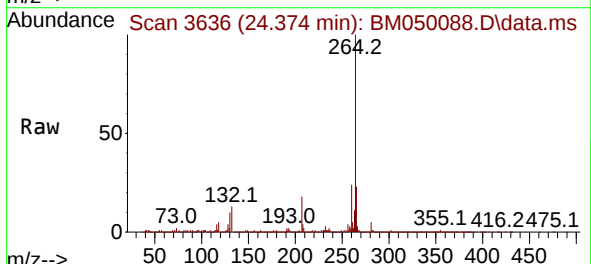
Instrument :
 BNA_M
 ClientSampleId :
 CO-8R-WCDL

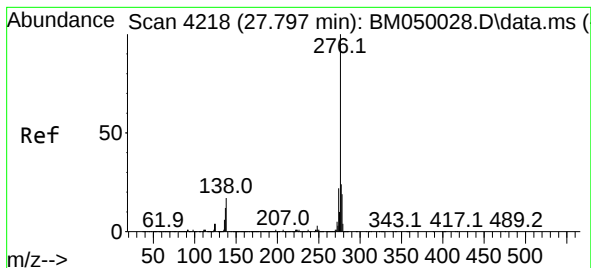
Tgt Ion:149 Resp: 232417
 Ion Ratio Lower Upper
 149 100
 167 30.2 24.1 36.1
 279 5.4 3.9 5.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.374 min Scan# 3636
 Delta R.T. -0.030 min
 Lab File: BM050088.D
 Acq: 02 May 2025 16:38

Tgt Ion:264 Resp: 1746089
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.8 28.2
 265 22.7 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.906 ng

RT: 27.750 min Scan# 41

Delta R.T. -0.047 min

Lab File: BM050088.D

Acq: 02 May 2025 16:38

Instrument :

BNA_M

ClientSampleId :

CO-8R-WCDL

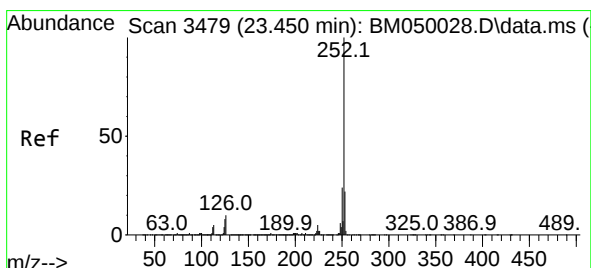
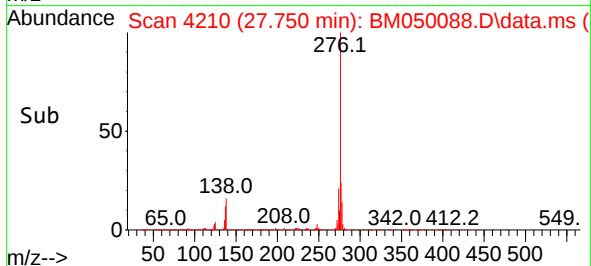
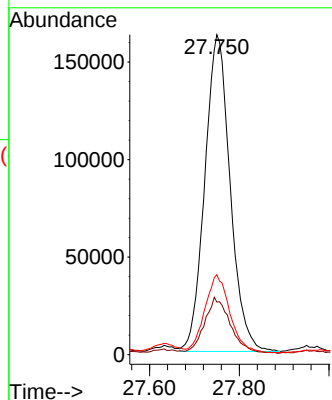
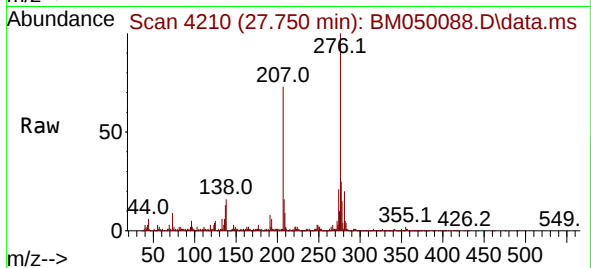
Tgt Ion:276 Resp: 638336

Ion Ratio Lower Upper

276 100

138 17.2 16.4 24.6

277 24.4 19.8 29.8



#88

Benzo(b)fluoranthene

Concen: 11.587 ng

RT: 23.433 min Scan# 3476

Delta R.T. -0.018 min

Lab File: BM050088.D

Acq: 02 May 2025 16:38

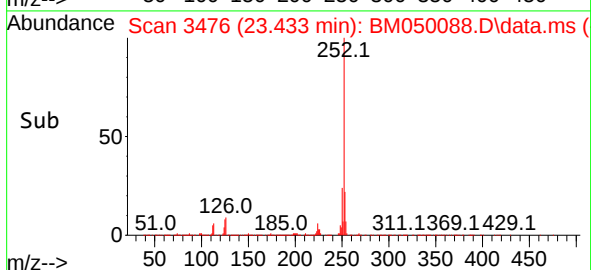
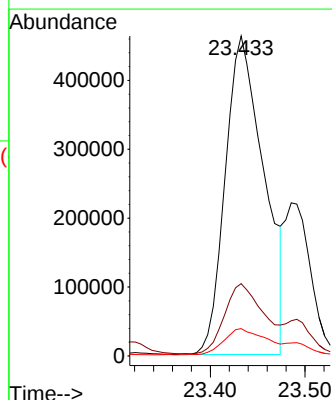
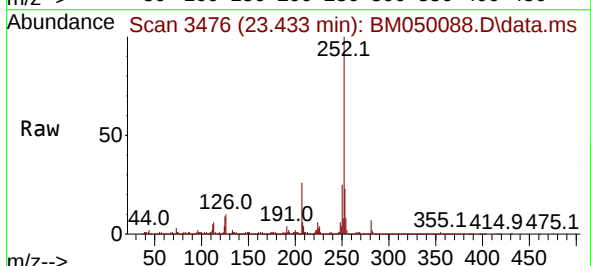
Tgt Ion:252 Resp: 1315706

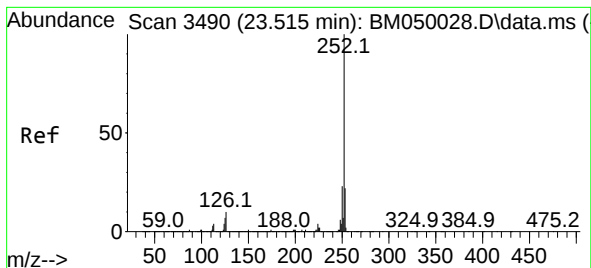
Ion Ratio Lower Upper

252 100

253 22.6 17.7 26.5

125 8.5 6.1 9.1





#89

Benzo(k)fluoranthene

Concen: 11.455 ng

RT: 23.433 min Scan# 34

Delta R.T. -0.082 min

Lab File: BM050088.D

Acq: 02 May 2025 16:38

Instrument :

BNA_M

ClientSampleId :

CO-8R-WCDL

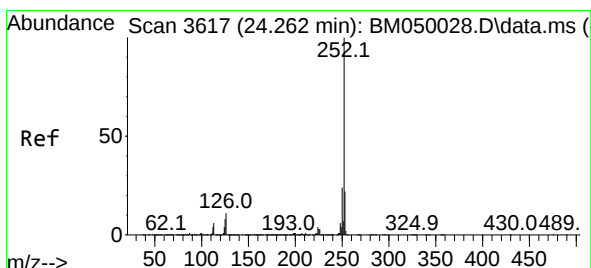
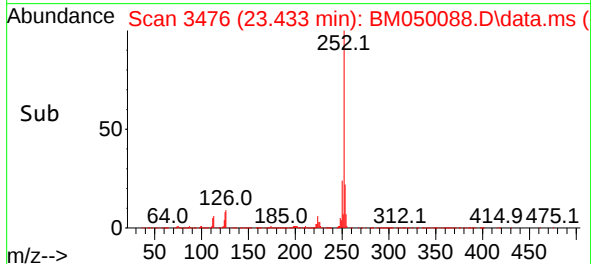
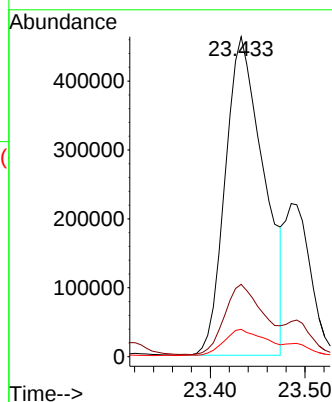
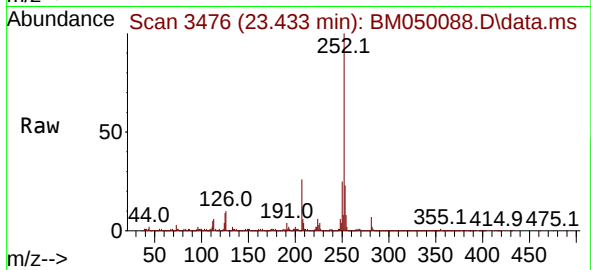
Tgt Ion:252 Resp: 1315706

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.2

125 8.5 5.8 8.8



#90

Benzo(a)pyrene

Concen: 9.448 ng

RT: 24.232 min Scan# 3612

Delta R.T. -0.030 min

Lab File: BM050088.D

Acq: 02 May 2025 16:38

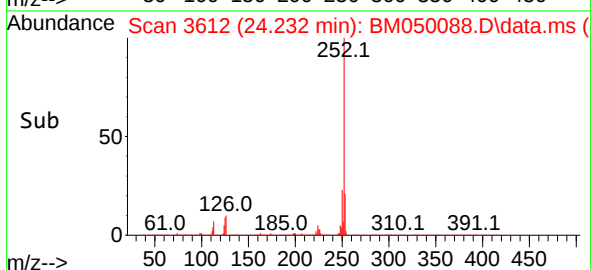
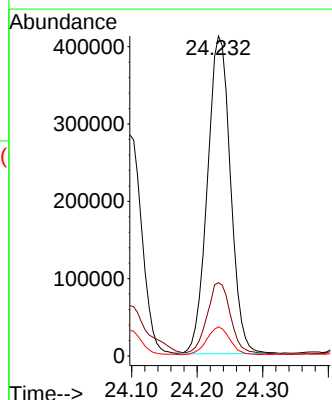
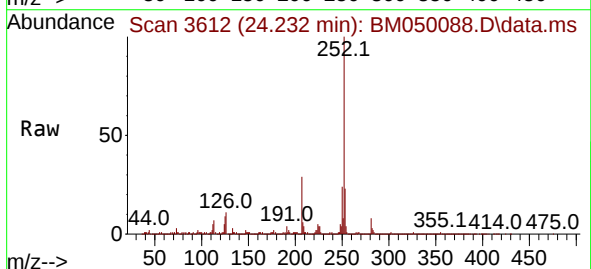
Tgt Ion:252 Resp: 1004868

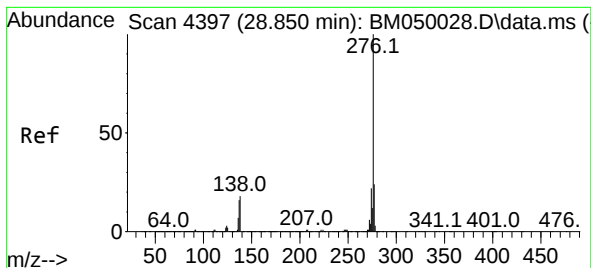
Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.0

125 9.1 6.6 9.8





#92

Benzo(g,h,i)perylene

Concen: 6.258 ng

RT: 28.803 min Scan# 41

Delta R.T. -0.047 min

Lab File: BM050088.D

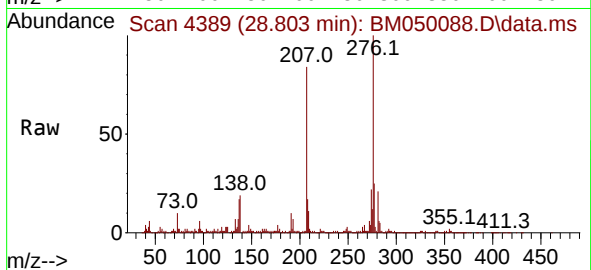
Acq: 02 May 2025 16:38

Instrument :

BNA_M

ClientSampleId :

CO-8R-WCDL



Tgt Ion:276 Resp: 635374

Ion Ratio Lower Upper

276 100

277 24.5 19.1 28.7

138 19.4 14.3 21.5

