

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040425\
 Data File : BM049828.D
 Acq On : 04 Apr 2025 17:58
 Operator : RC/JU
 Sample : Q1712-05 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TT-7

Quant Time: Apr 04 22:55:33 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 13 14:55:34 2025
 Response via : Initial Calibration

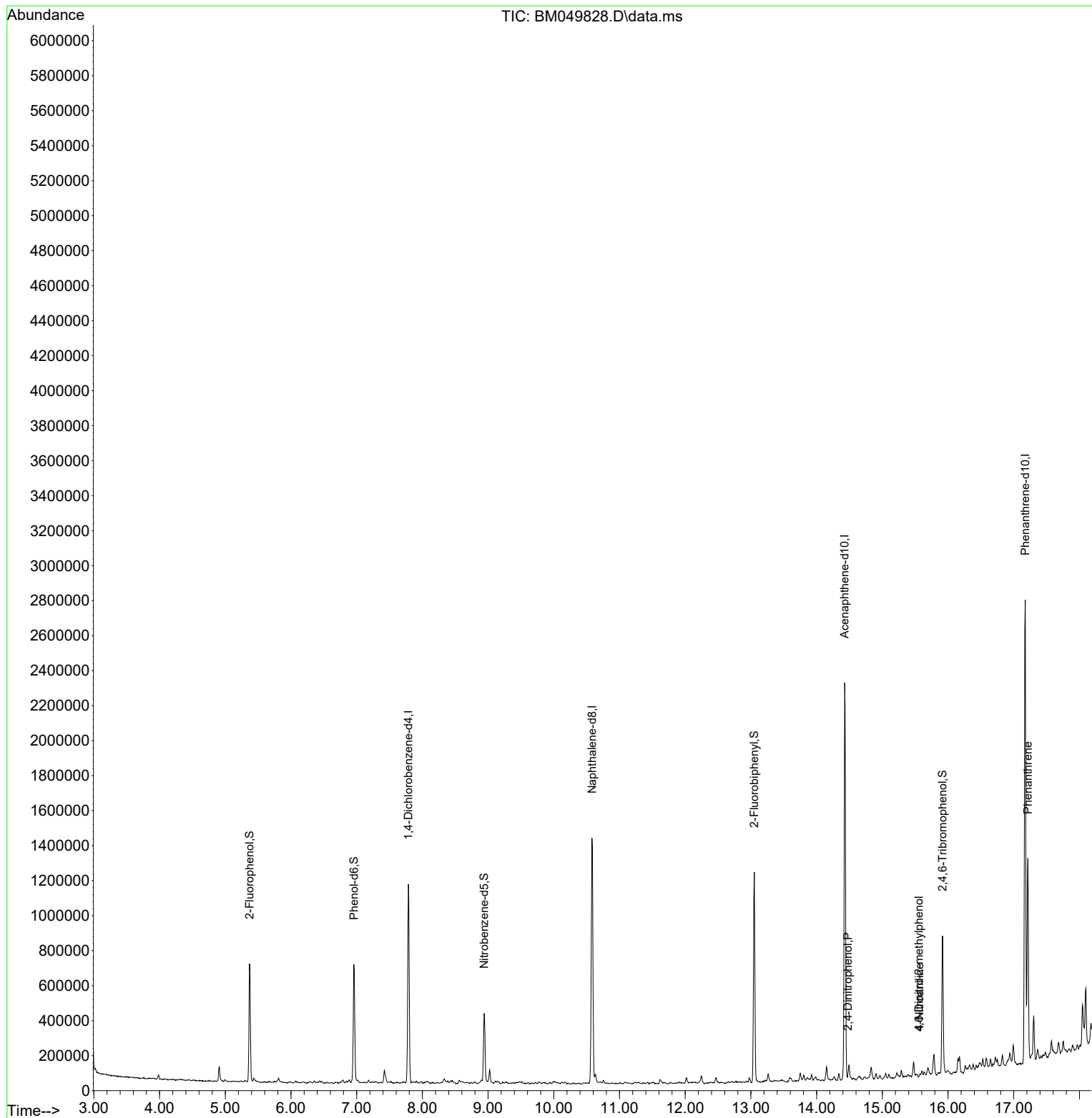
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.787	152	329829	20.000	ng	-0.02
21) Naphthalene-d8	10.581	136	1210782	20.000	ng	-0.02
39) Acenaphthene-d10	14.428	164	817769	20.000	ng	-0.02
64) Phenanthrene-d10	17.174	188	1594067	20.000	ng	-0.01
76) Chrysene-d12	21.409	240	1504122	20.000	ng	-0.02
86) Perylene-d12	24.421	264	1738331	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	301651	15.432	ng	-0.02
7) Phenol-d6	6.957	99	393290	16.032	ng	-0.02
23) Nitrobenzene-d5	8.940	82	230446	9.772	ng	-0.02
42) 2,4,6-Tribromophenol	15.916	330	148448	15.546	ng	-0.02
45) 2-Fluorobiphenyl	13.051	172	635861	9.738	ng	-0.02
79) Terphenyl-d14	19.792	244	855997	9.590	ng	-0.02
Target Compounds						
54) 2,4-Dinitrophenol	14.475	184	58	3.198	ng	# 1
62) 4-Nitroaniline	15.563	138	257	3.776	ng	92
65) 4,6-Dinitro-2-methylph...	15.557	198	54	3.022	ng	# 1
71) Phenanthrene	17.216	178	736692	8.323	ng	99
75) Fluoranthene	19.227	202	1415576	13.891	ng	99
78) Pyrene	19.592	202	1420925	13.521	ng	99
81) Benzo(a)anthracene	21.392	228	769537	7.660	ng	95
83) Chrysene	21.451	228	744508	7.818	ng	97
87) Indeno(1,2,3-cd)pyrene	27.809	276	549268	4.390	ng	98
88) Benzo(b)fluoranthene	23.468	252	1018269	8.697	ng	# 94
89) Benzo(k)fluoranthene	23.468	252	1018269	8.839	ng	# 94
90) Benzo(a)pyrene	24.274	252	784416	7.976	ng	# 93
92) Benzo(g,h,i)perylene	28.868	276	555747	5.293	ng	95

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

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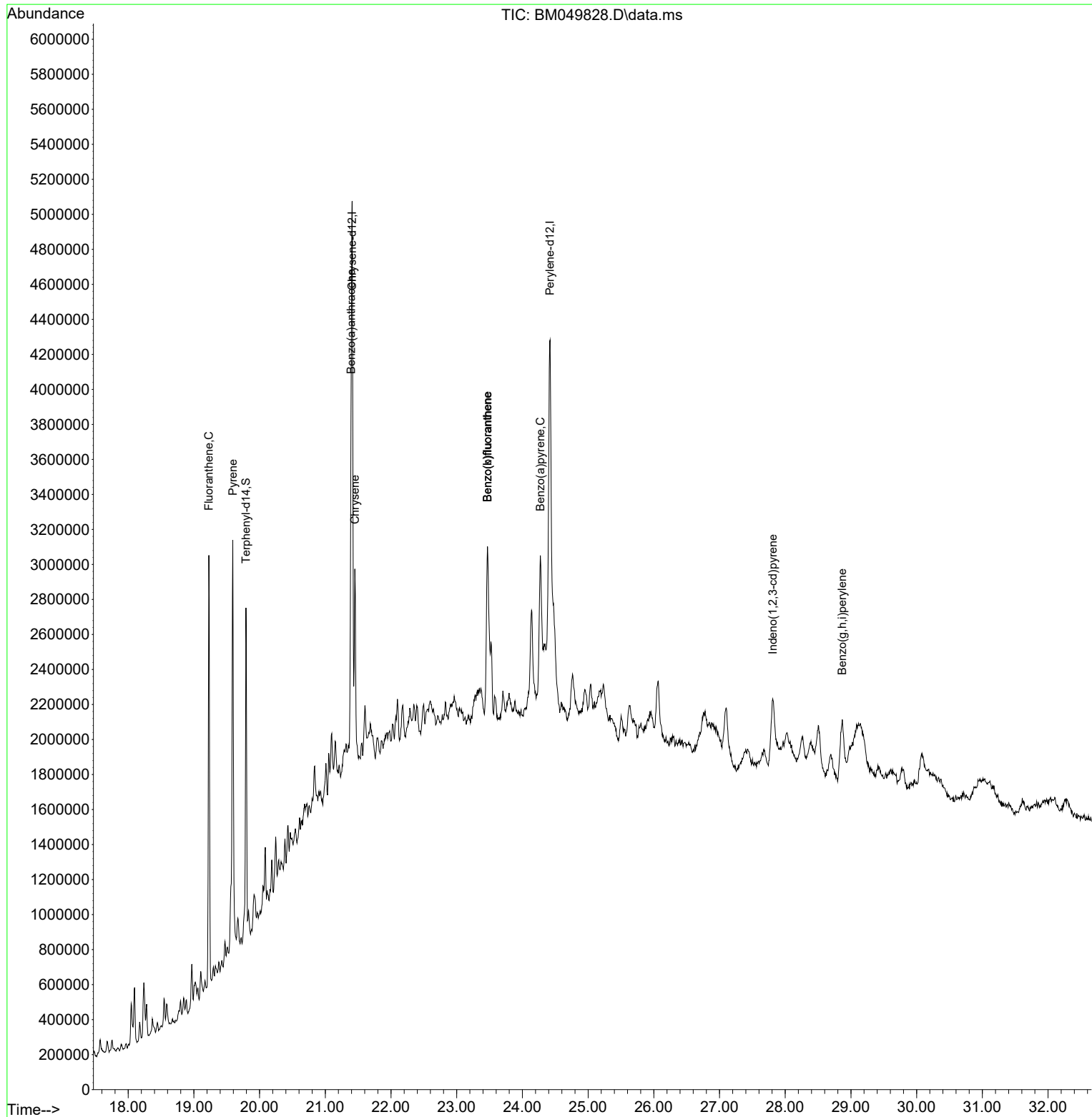
Quant Time: Apr 04 22:55:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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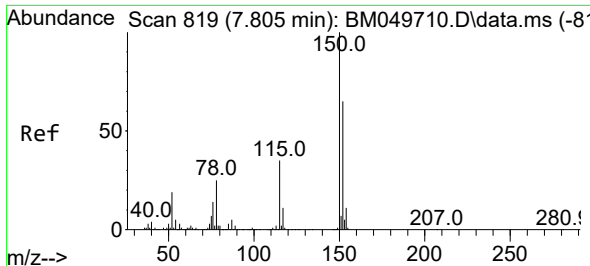


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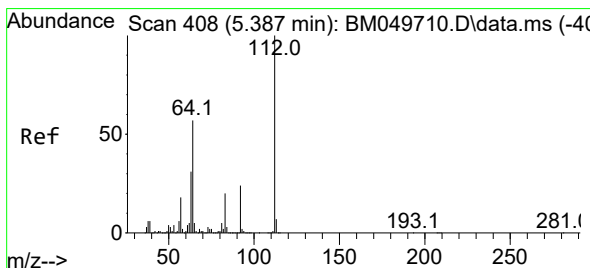
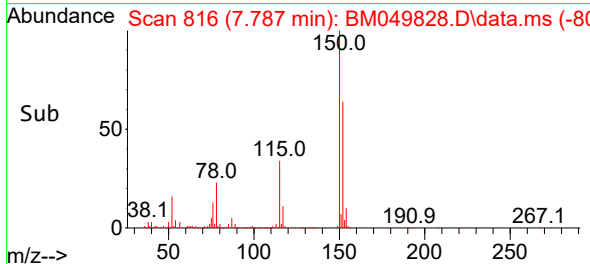
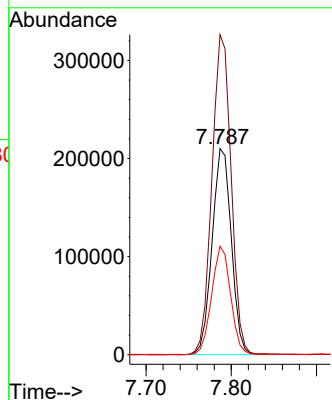
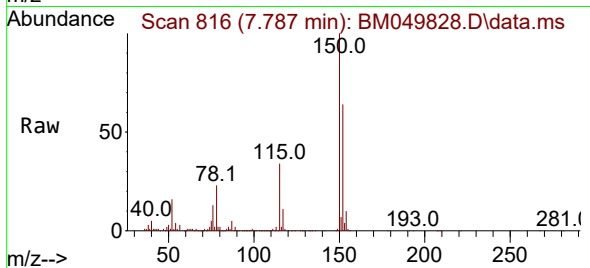




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.787 min Scan# 819
Delta R.T. -0.018 min
Lab File: BM049828.D
Acq: 04 Apr 2025 17:58

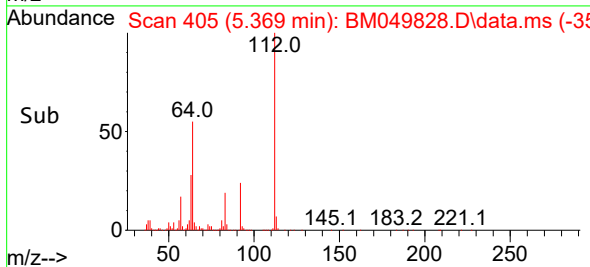
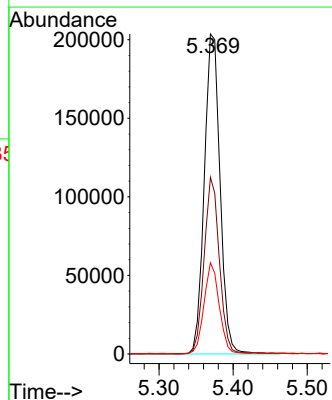
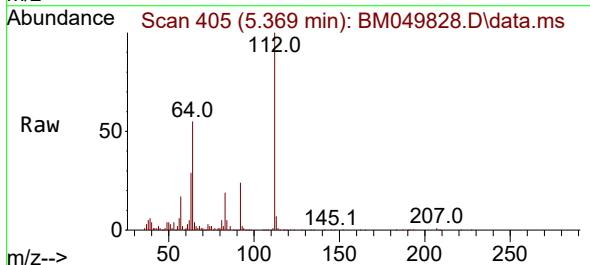
Instrument :
BNA_M
ClientSampleId :
TT-7

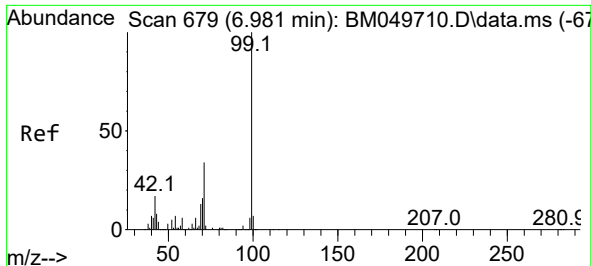
Tgt Ion:152 Resp: 329829
Ion Ratio Lower Upper
152 100
150 155.3 123.8 185.8
115 52.6 43.0 64.6



#5
2-Fluorophenol
Concen: 15.432 ng
RT: 5.369 min Scan# 405
Delta R.T. -0.018 min
Lab File: BM049828.D
Acq: 04 Apr 2025 17:58

Tgt Ion:112 Resp: 301651
Ion Ratio Lower Upper
112 100
64 55.2 45.3 67.9
63 28.5 24.4 36.6

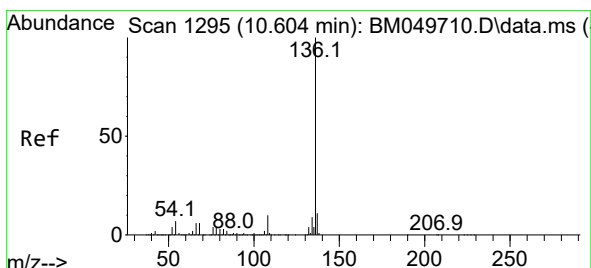
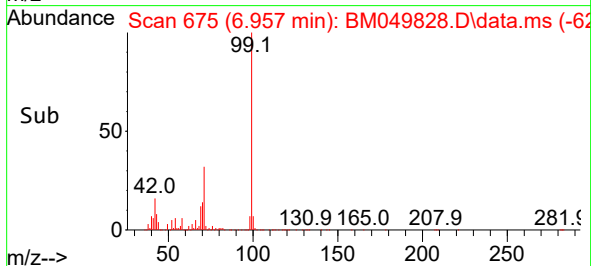
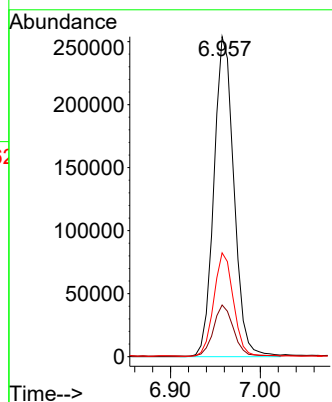
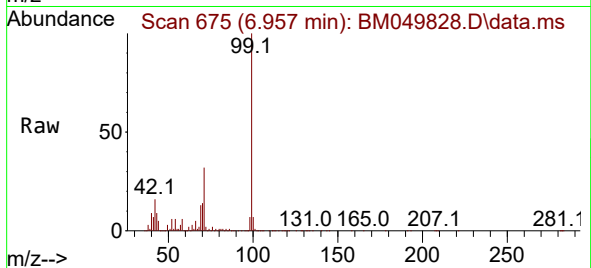




#7
Phenol-d6
Concen: 16.032 ng
RT: 6.957 min Scan# 61
Delta R.T. -0.024 min
Lab File: BM049828.D
Acq: 04 Apr 2025 17:58

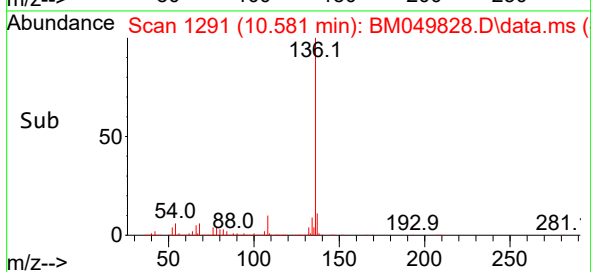
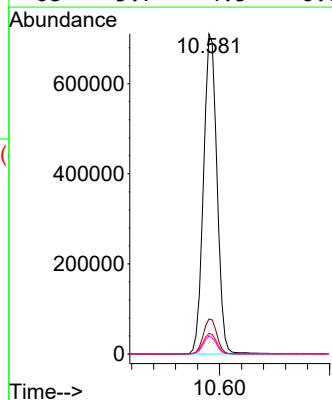
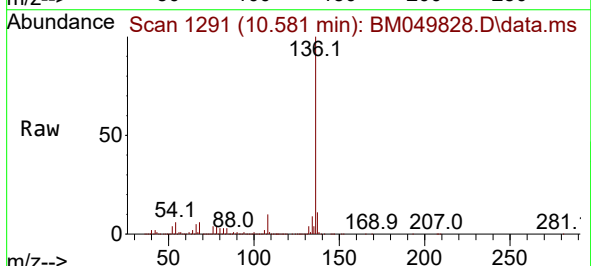
Instrument :
BNA_M
ClientSampleId :
TT-7

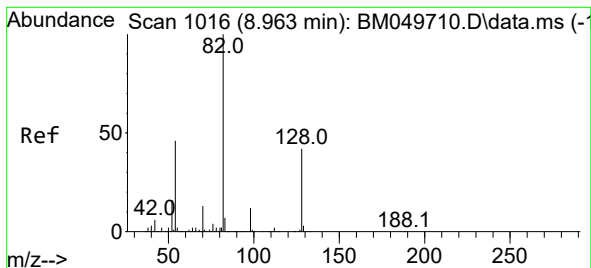
Tgt Ion: 99 Resp: 393290
Ion Ratio Lower Upper
99 100
42 16.2 13.6 20.4
71 32.5 27.0 40.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.581 min Scan# 1291
Delta R.T. -0.024 min
Lab File: BM049828.D
Acq: 04 Apr 2025 17:58

Tgt Ion: 136 Resp: 1210782
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 6.4 5.8 8.8
68 5.7 4.5 6.7

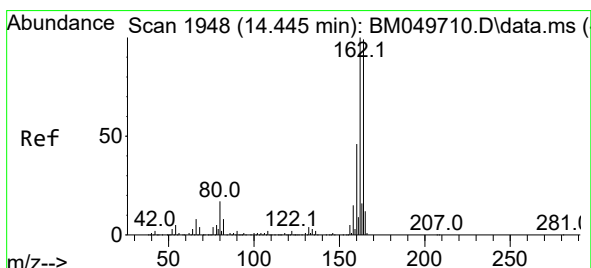
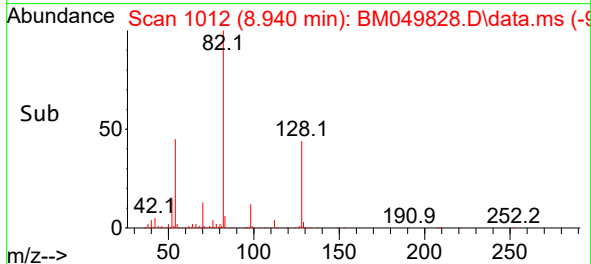
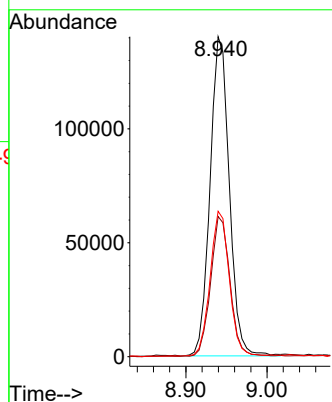
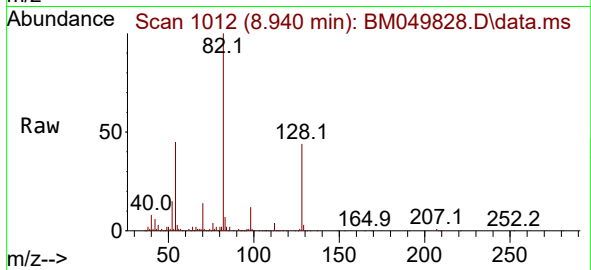




#23
Nitrobenzene-d5
Concen: 9.772 ng
RT: 8.940 min Scan# 1016
Delta R.T. -0.024 min
Lab File: BM049828.D
Acq: 04 Apr 2025 17:58

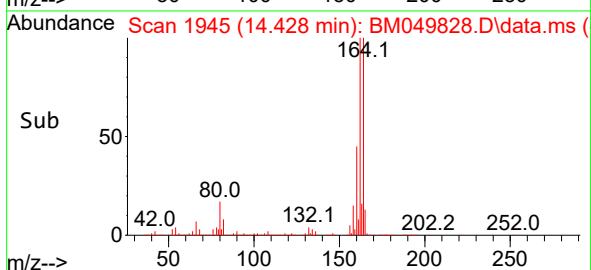
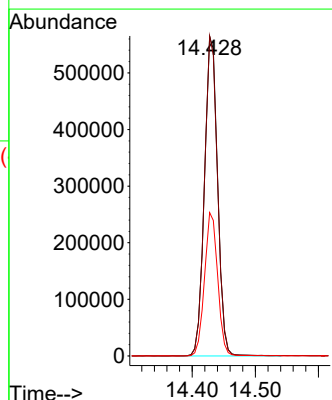
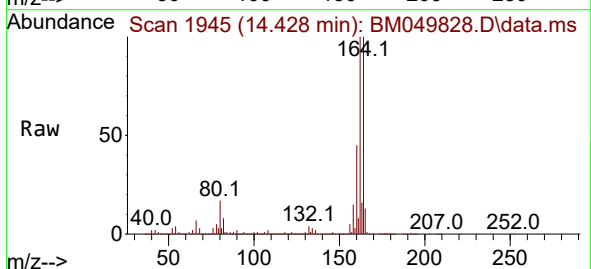
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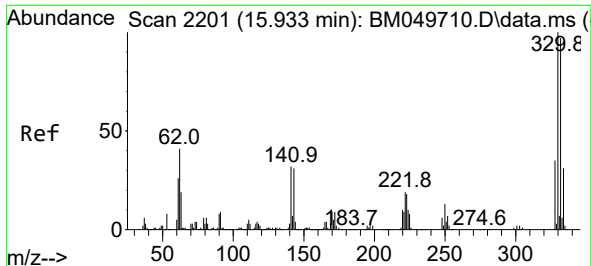
Tgt Ion: 82 Resp: 230446
Ion Ratio Lower Upper
82 100
128 43.8 33.4 50.0
54 45.4 36.4 54.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.428 min Scan# 1945
Delta R.T. -0.018 min
Lab File: BM049828.D
Acq: 04 Apr 2025 17:58

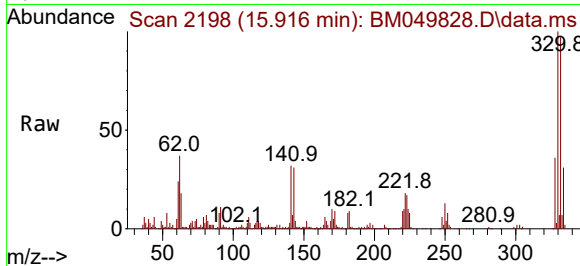
Tgt Ion: 164 Resp: 817769
Ion Ratio Lower Upper
164 100
162 100.2 80.5 120.7
160 44.9 36.9 55.3



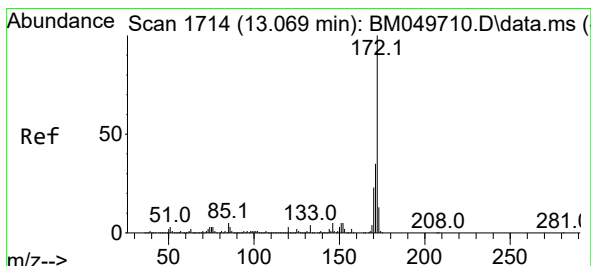
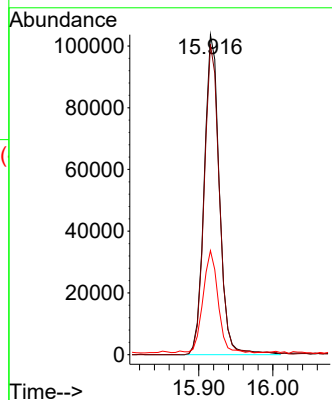
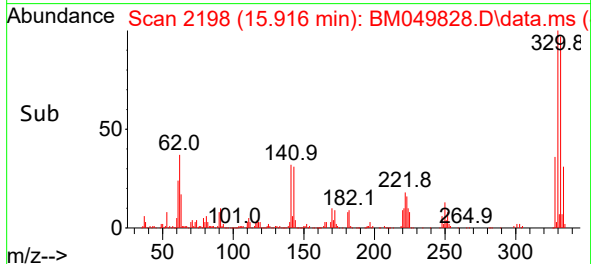


#42
2,4,6-Tribromophenol
Concen: 15.546 ng
RT: 15.916 min Scan# 21
Delta R.T. -0.017 min
Lab File: BM049828.D
Acq: 04 Apr 2025 17:58

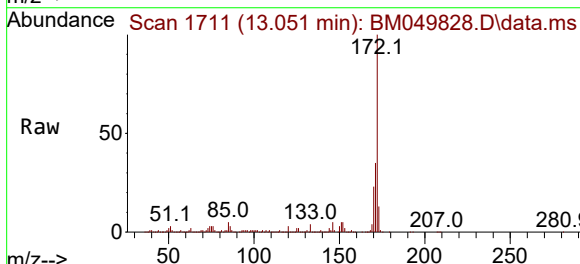
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BNA_M
ClientSampleId :
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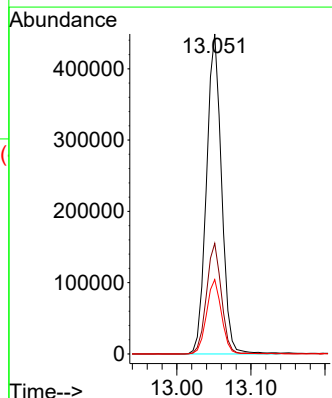
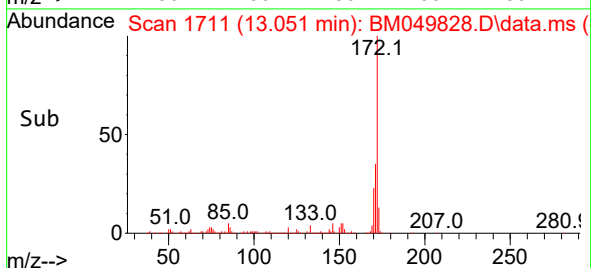
Tgt Ion:330 Resp: 148448
Ion Ratio Lower Upper
330 100
332 97.1 77.0 115.4
141 31.4 27.8 41.6

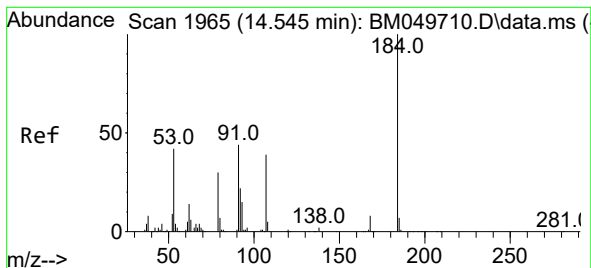


#45
2-Fluorobiphenyl
Concen: 9.738 ng
RT: 13.051 min Scan# 1711
Delta R.T. -0.018 min
Lab File: BM049828.D
Acq: 04 Apr 2025 17:58



Tgt Ion:172 Resp: 635861
Ion Ratio Lower Upper
172 100
171 34.6 27.9 41.9
170 23.3 18.6 28.0

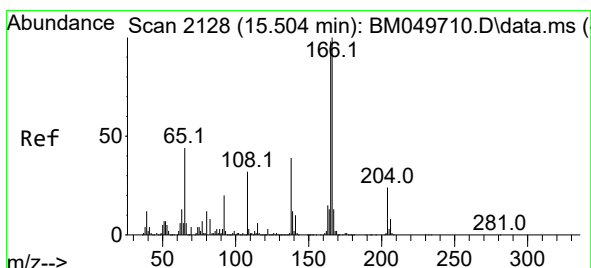
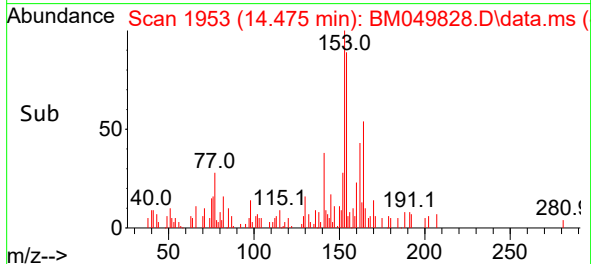
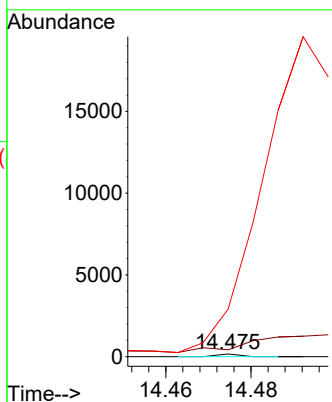
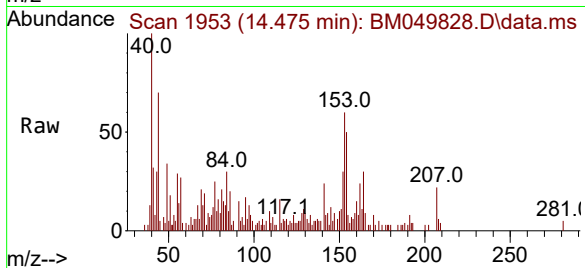




#54
2,4-Dinitrophenol
Concen: 3.198 ng
RT: 14.475 min Scan# 1953
Delta R.T. -0.070 min
Lab File: BM049828.D
Acq: 04 Apr 2025 17:58

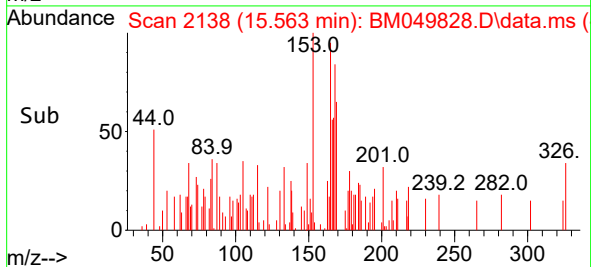
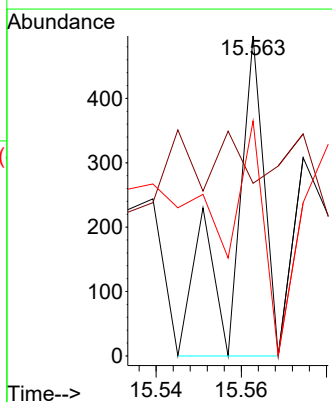
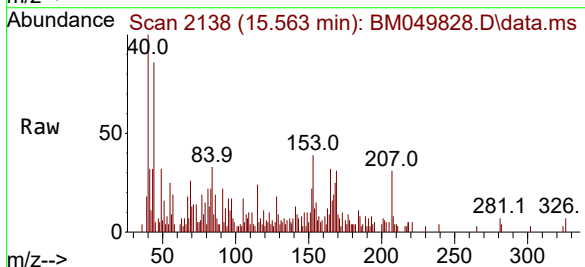
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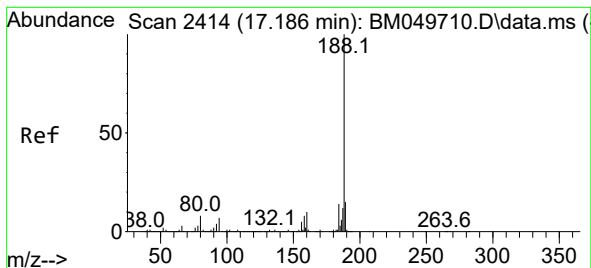
Tgt Ion:184 Resp: 58
Ion Ratio Lower Upper
184 100
63 256.1 47.2 70.8#
154 1773.8 49.9 74.9#



#62
4-Nitroaniline
Concen: 3.776 ng
RT: 15.563 min Scan# 2138
Delta R.T. 0.059 min
Lab File: BM049828.D
Acq: 04 Apr 2025 17:58

Tgt Ion:138 Resp: 257
Ion Ratio Lower Upper
138 100
92 53.9 29.8 69.8
108 73.4 61.3 101.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.174 min Scan# 2414

Delta R.T. -0.012 min

Lab File: BM049828.D

Acq: 04 Apr 2025 17:58

Instrument :

BNA_M

ClientSampleId :

TT-7

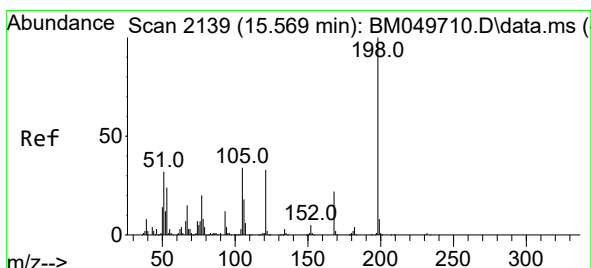
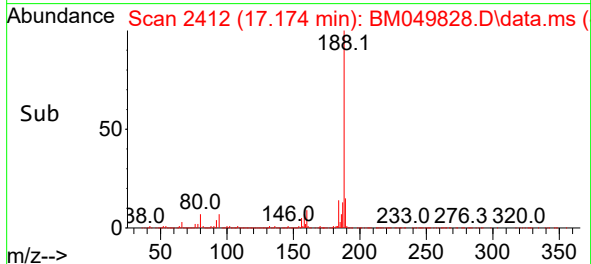
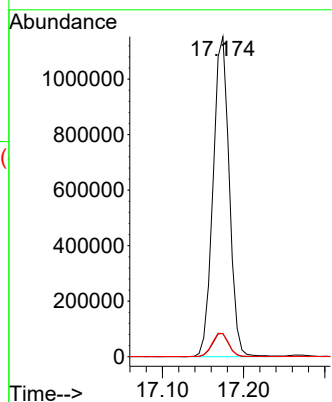
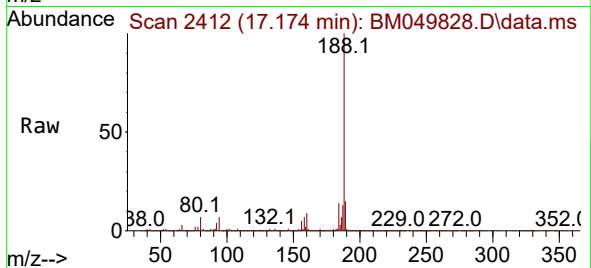
Tgt Ion:188 Resp: 1594067

Ion Ratio Lower Upper

188 100

94 7.2 5.8 8.6

80 7.2 6.3 9.5



#65

4,6-Dinitro-2-methylphenol

Concen: 3.022 ng

RT: 15.557 min Scan# 2137

Delta R.T. -0.012 min

Lab File: BM049828.D

Acq: 04 Apr 2025 17:58

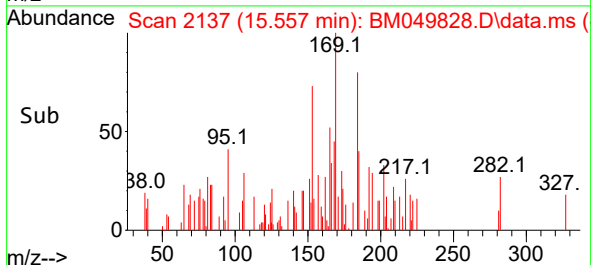
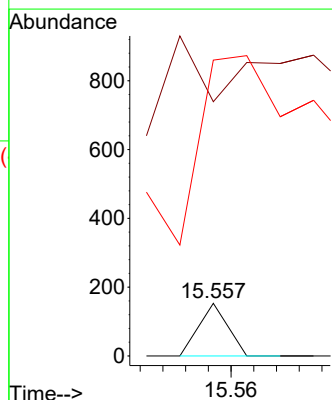
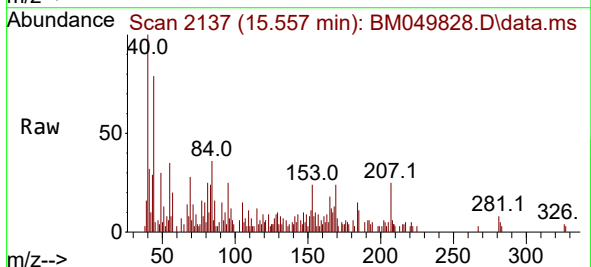
Tgt Ion:198 Resp: 54

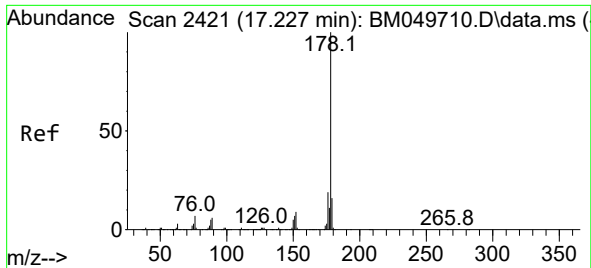
Ion Ratio Lower Upper

198 100

51 483.0 13.8 53.8#

105 562.1 14.0 54.0#

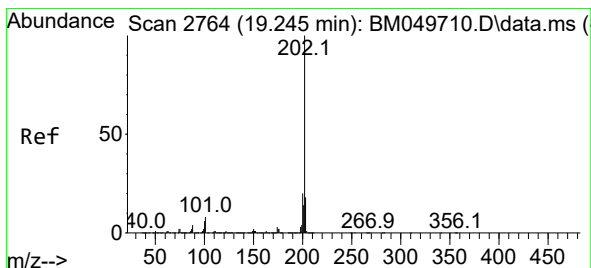
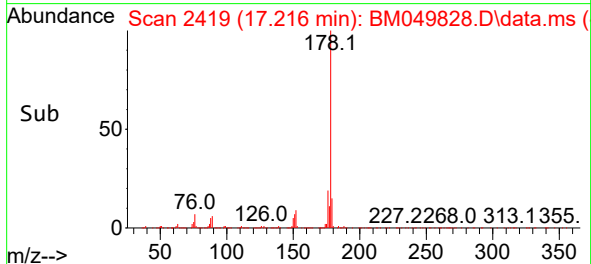
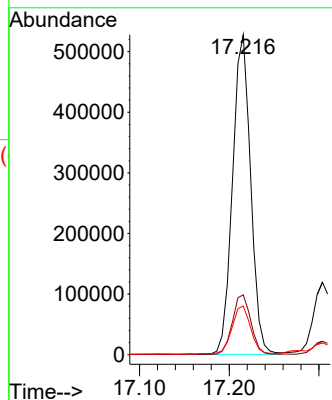
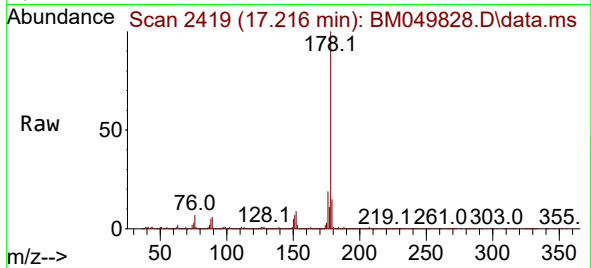




#71
Phenanthrene
Concen: 8.323 ng
RT: 17.216 min Scan# 24
Delta R.T. -0.012 min
Lab File: BM049828.D
Acq: 04 Apr 2025 17:58

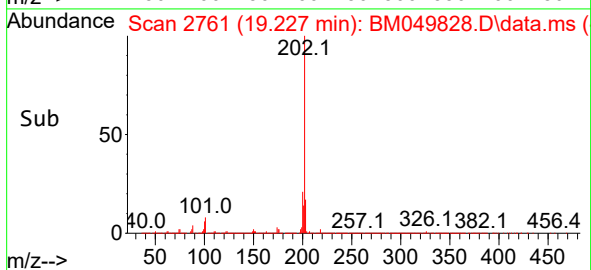
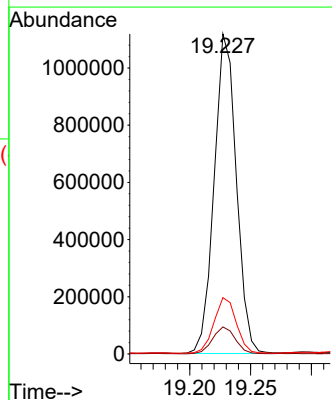
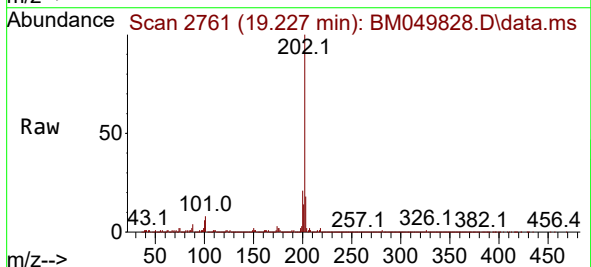
Instrument :
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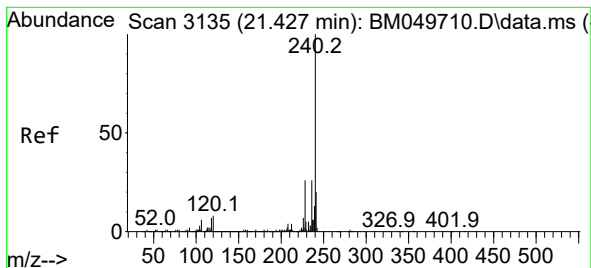
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Ion Ratio Lower Upper
178 100
176 18.7 15.5 23.3
179 15.2 12.5 18.7



#75
Fluoranthene
Concen: 13.891 ng
RT: 19.227 min Scan# 2761
Delta R.T. -0.018 min
Lab File: BM049828.D
Acq: 04 Apr 2025 17:58

Tgt Ion:202 Resp: 1415576
Ion Ratio Lower Upper
202 100
101 8.5 0.0 27.8
203 17.6 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.409 min Scan# 31

Delta R.T. -0.018 min

Lab File: BM049828.D

Acq: 04 Apr 2025 17:58

Instrument :

BNA_M

ClientSampleId :

TT-7

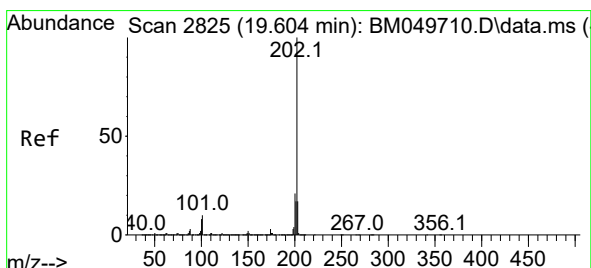
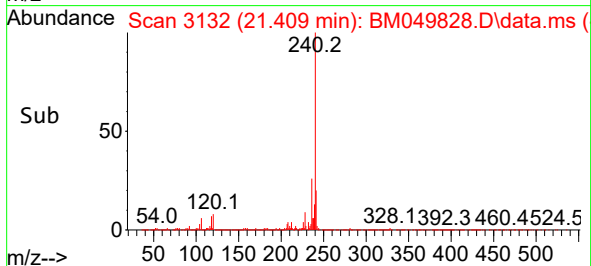
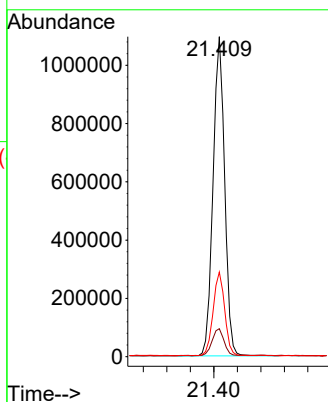
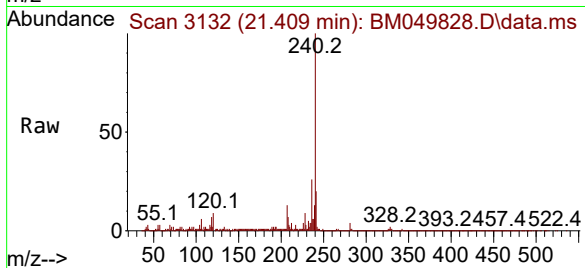
Tgt Ion:240 Resp: 1504122

Ion Ratio Lower Upper

240 100

120 8.8 6.5 9.7

236 26.4 20.7 31.1



#78

Pyrene

Concen: 13.521 ng

RT: 19.592 min Scan# 2823

Delta R.T. -0.012 min

Lab File: BM049828.D

Acq: 04 Apr 2025 17:58

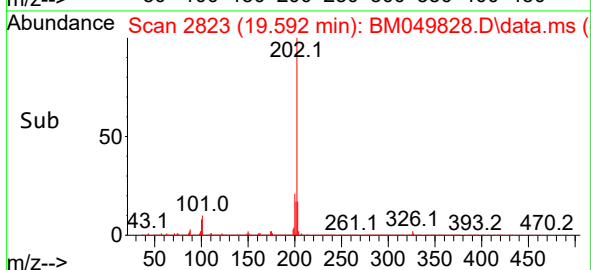
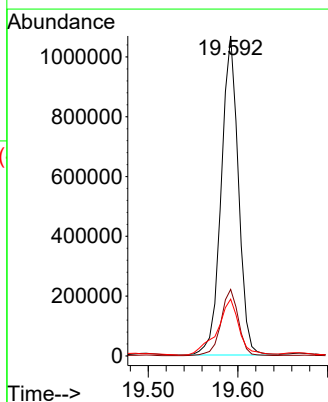
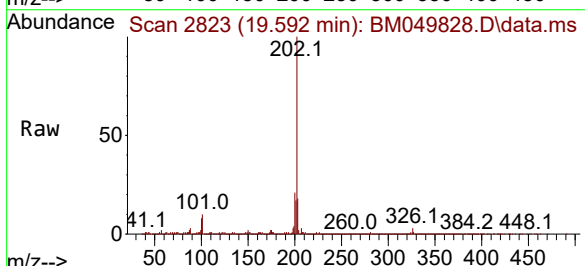
Tgt Ion:202 Resp: 1420925

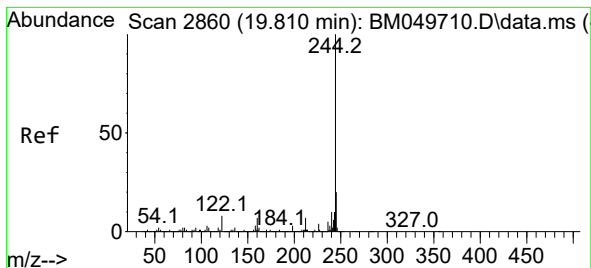
Ion Ratio Lower Upper

202 100

200 20.8 17.0 25.4

203 17.8 14.0 21.0





#79

Terphenyl-d14

Concen: 9.590 ng

RT: 19.792 min Scan# 2

Delta R.T. -0.018 min

Lab File: BM049828.D

Acq: 04 Apr 2025 17:58

Instrument :

BNA_M

ClientSampleId :

TT-7

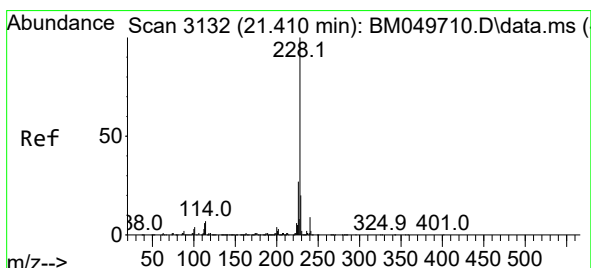
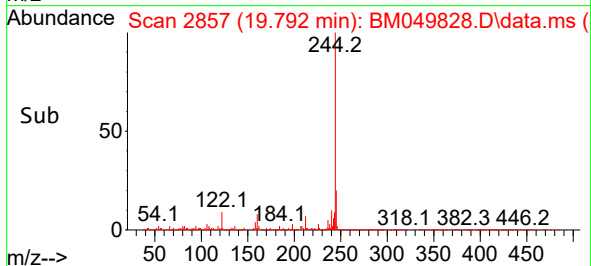
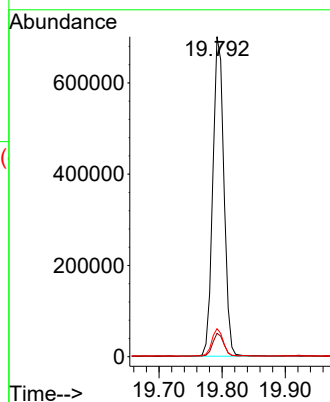
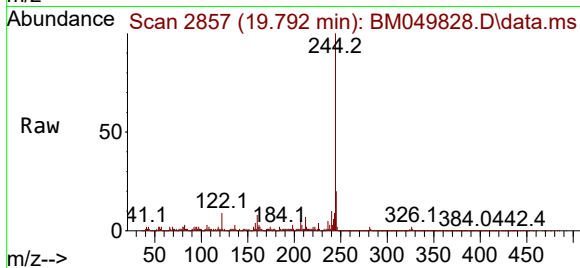
Tgt Ion:244 Resp: 855997

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

122 8.8 6.0 9.0



#81

Benzo(a)anthracene

Concen: 7.660 ng

RT: 21.392 min Scan# 3129

Delta R.T. -0.018 min

Lab File: BM049828.D

Acq: 04 Apr 2025 17:58

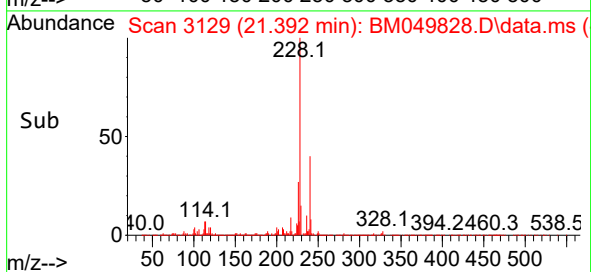
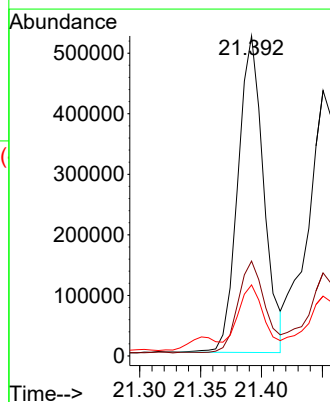
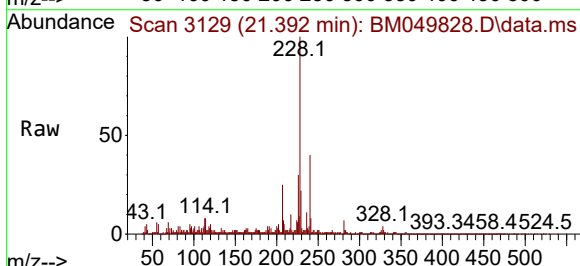
Tgt Ion:228 Resp: 769537

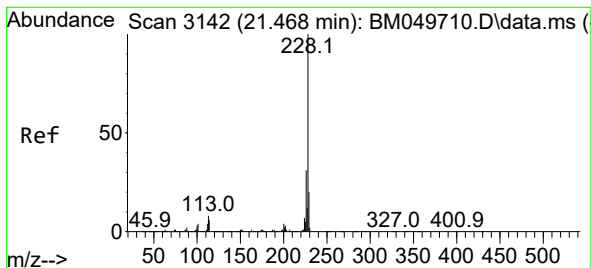
Ion Ratio Lower Upper

228 100

226 29.6 22.0 33.0

229 22.2 15.8 23.8





#83

Chrysene

Concen: 7.818 ng

RT: 21.451 min Scan# 31

Delta R.T. -0.018 min

Lab File: BM049828.D

Acq: 04 Apr 2025 17:58

Instrument :

BNA_M

ClientSampleId :

TT-7

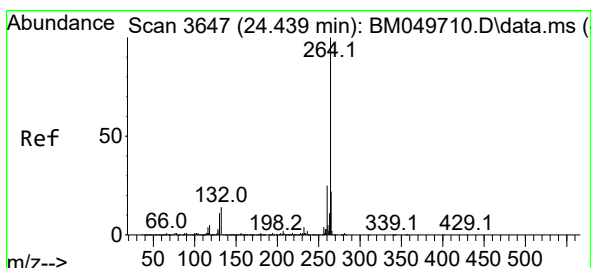
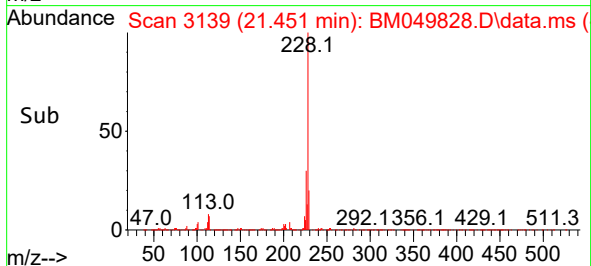
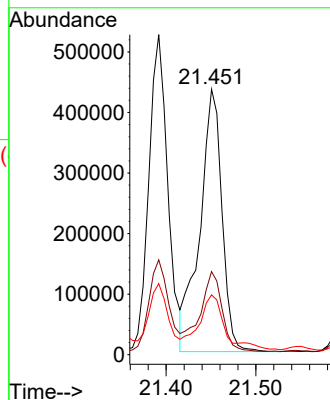
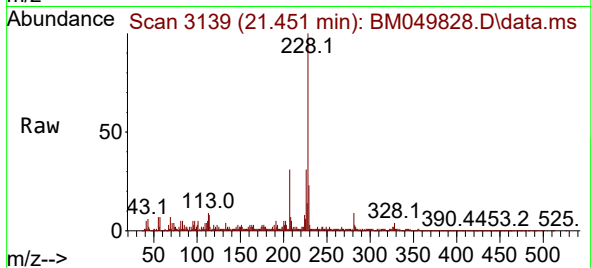
Tgt Ion:228 Resp: 744508

Ion Ratio Lower Upper

228 100

226 31.3 24.5 36.7

229 22.5 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.421 min Scan# 3644

Delta R.T. -0.018 min

Lab File: BM049828.D

Acq: 04 Apr 2025 17:58

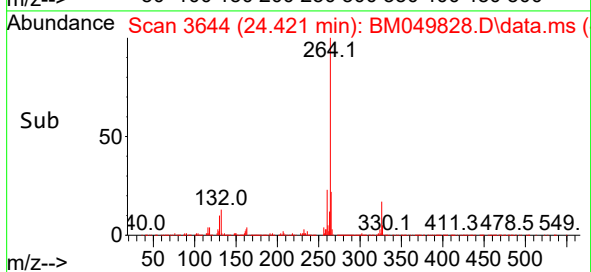
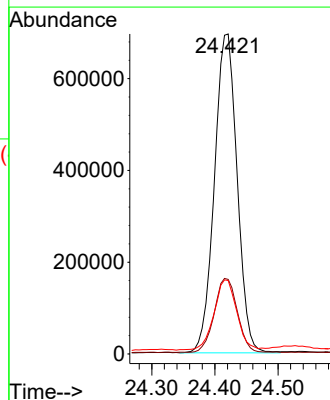
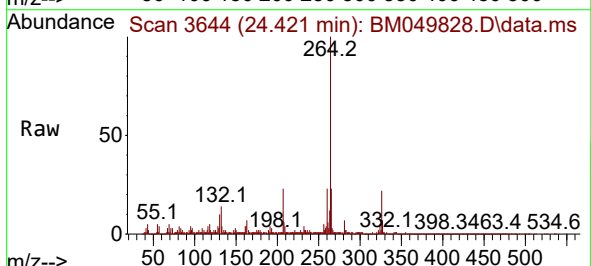
Tgt Ion:264 Resp: 1738331

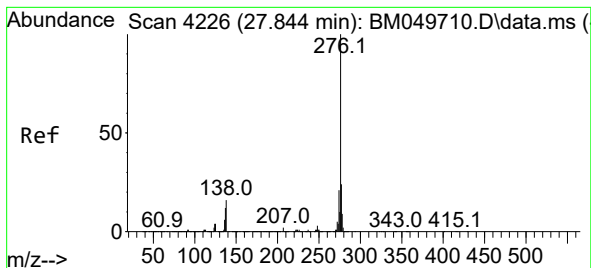
Ion Ratio Lower Upper

264 100

260 23.3 19.6 29.4

265 22.9 18.2 27.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.390 ng

RT: 27.809 min Scan# 41

Delta R.T. -0.035 min

Lab File: BM049828.D

Acq: 04 Apr 2025 17:58

Instrument :

BNA_M

ClientSampleId :

TT-7

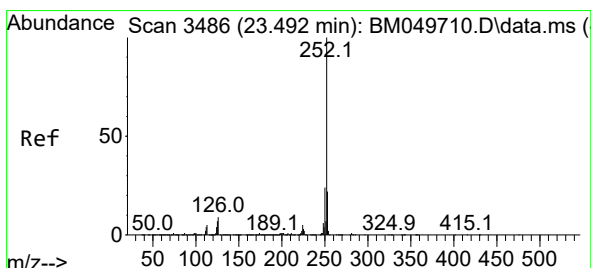
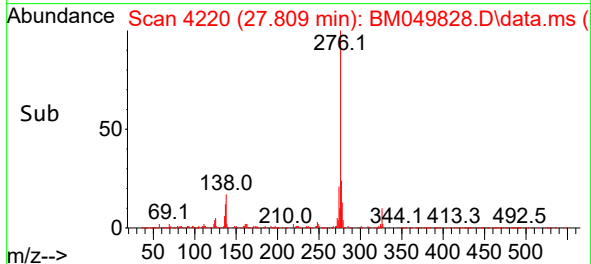
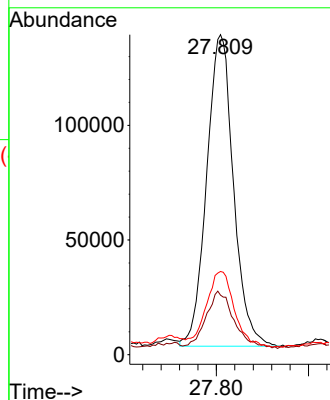
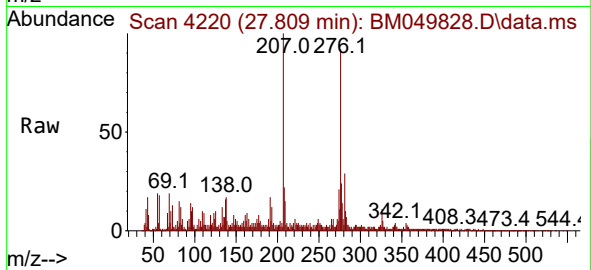
Tgt Ion:276 Resp: 549268

Ion Ratio Lower Upper

276 100

138 19.5 16.3 24.5

277 25.6 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 8.697 ng

RT: 23.468 min Scan# 3482

Delta R.T. -0.024 min

Lab File: BM049828.D

Acq: 04 Apr 2025 17:58

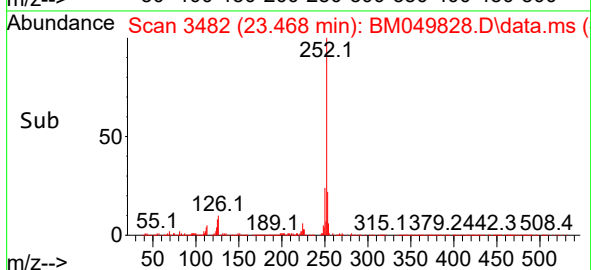
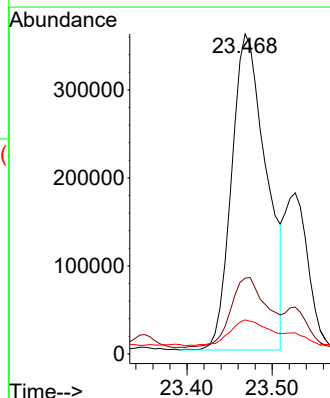
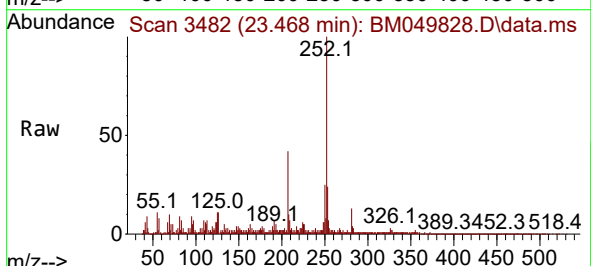
Tgt Ion:252 Resp: 1018269

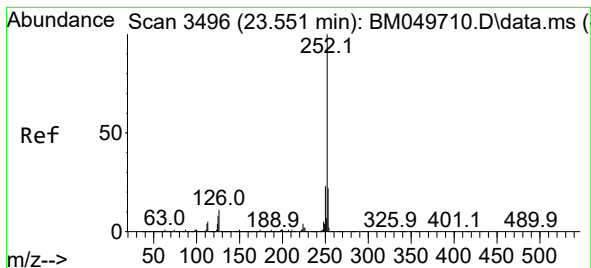
Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.0

125 10.6 5.9 8.9#





#89

Benzo(k)fluoranthene

Concen: 8.839 ng

RT: 23.468 min Scan# 34

Delta R.T. -0.082 min

Lab File: BM049828.D

Acq: 04 Apr 2025 17:58

Instrument :

BNA_M

ClientSampleId :

TT-7

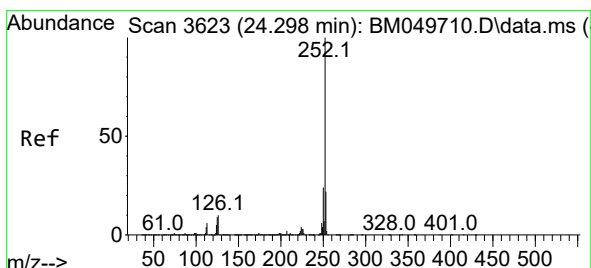
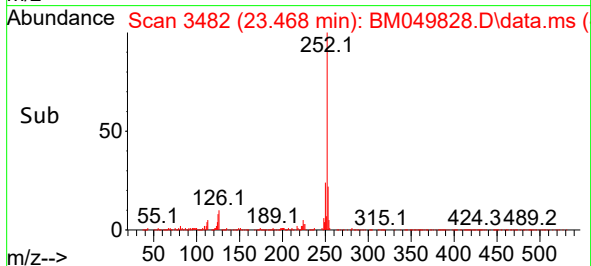
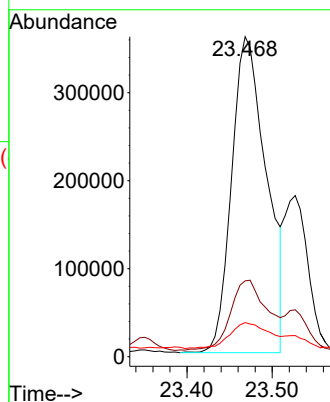
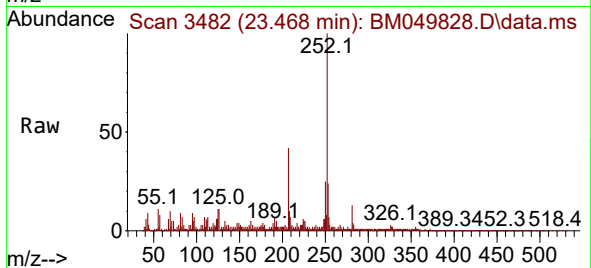
Tgt Ion:252 Resp: 1018269

Ion Ratio Lower Upper

252 100

253 23.7 17.3 25.9

125 10.6 6.2 9.2#



#90

Benzo(a)pyrene

Concen: 7.976 ng

RT: 24.274 min Scan# 3619

Delta R.T. -0.024 min

Lab File: BM049828.D

Acq: 04 Apr 2025 17:58

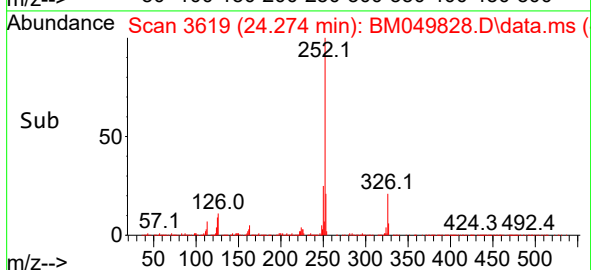
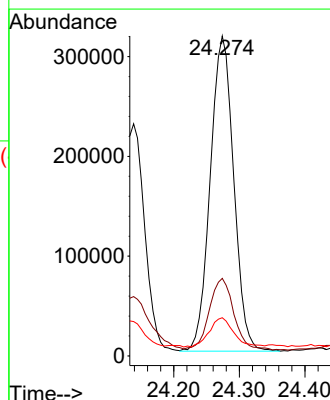
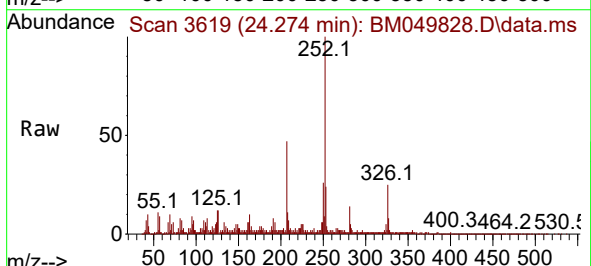
Tgt Ion:252 Resp: 784416

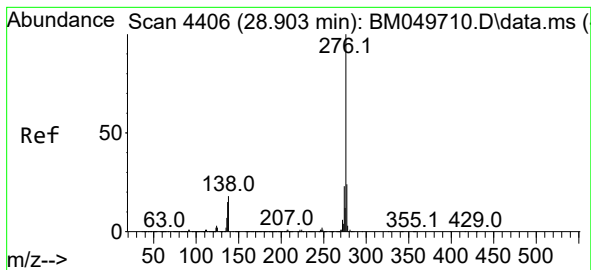
Ion Ratio Lower Upper

252 100

253 24.2 17.2 25.8

125 12.0 7.0 10.6#





#92

Benzo(g,h,i)perylene

Concen: 5.293 ng

RT: 28.868 min Scan# 44

Delta R.T. -0.035 min

Lab File: BM049828.D

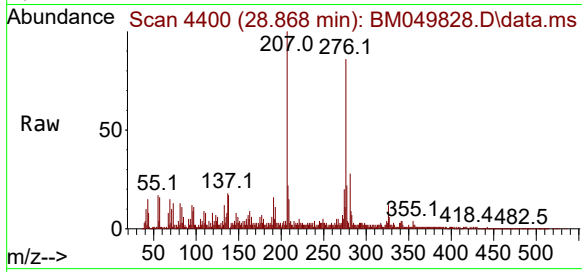
Acq: 04 Apr 2025 17:58

Instrument :

BNA_M

ClientSampleId :

TT-7



Tgt Ion:276 Resp: 555747

Ion Ratio Lower Upper

276 100

277 25.8 18.8 28.2

138 20.2 14.0 21.0

