

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040325\
 Data File : BM049812.D
 Acq On : 03 Apr 2025 19:11
 Operator : RC/JU
 Sample : Q1706-03 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PL-02-040225

Quant Time: Apr 04 01:01:25 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)

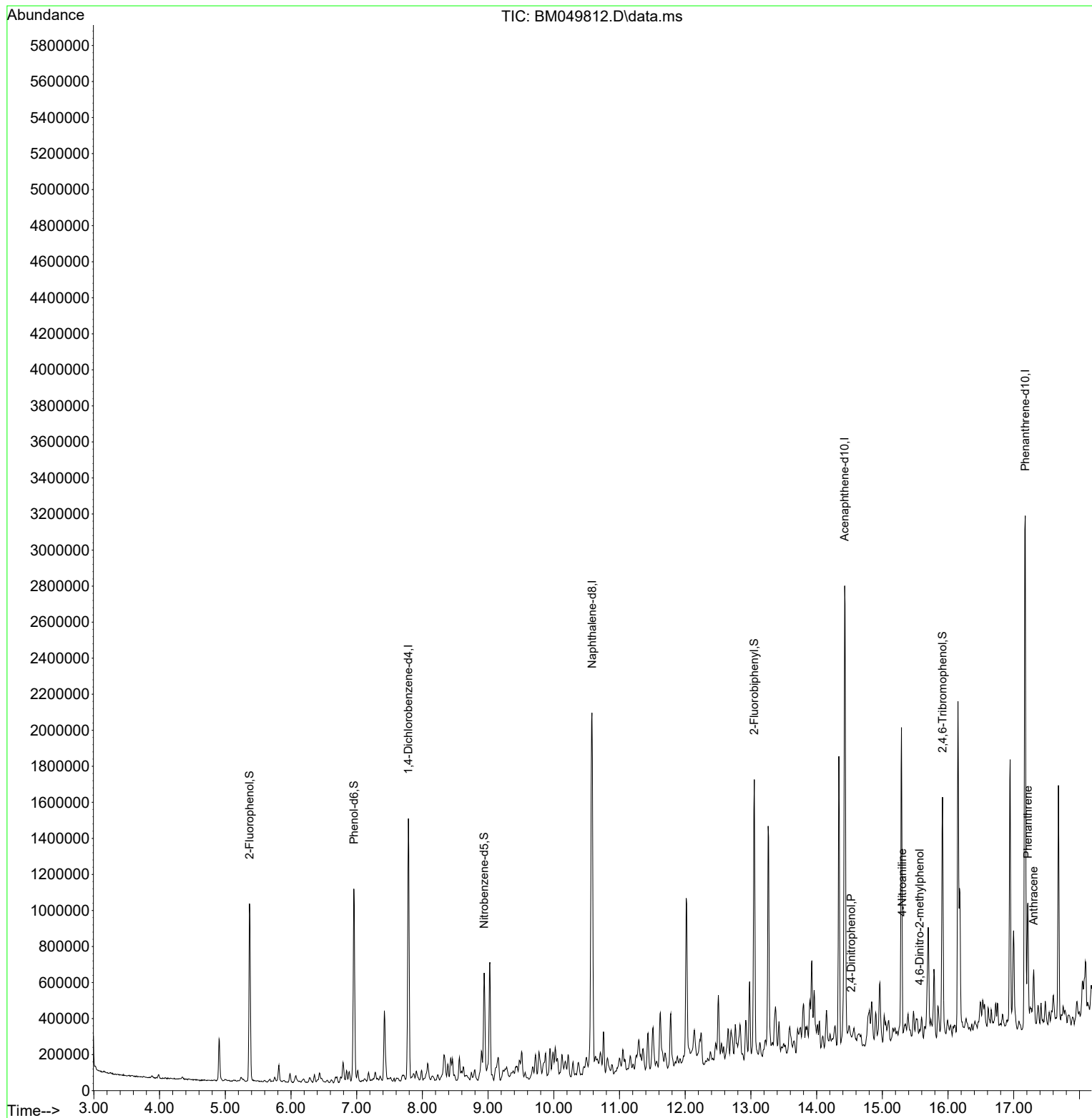
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.787	152	395265	20.000	ng	-0.02
21) Naphthalene-d8	10.581	136	1396312	20.000	ng	-0.02
39) Acenaphthene-d10	14.427	164	897798	20.000	ng	-0.02
64) Phenanthrene-d10	17.174	188	1714136	20.000	ng	-0.01
76) Chrysene-d12	21.403	240	1629694	20.000	ng	-0.02
86) Perylene-d12	24.409	264	1774416	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	443561	18.935	ng	-0.02
7) Phenol-d6	6.957	99	574572	19.545	ng	-0.02
23) Nitrobenzene-d5	8.940	82	322748	11.867	ng	-0.02
42) 2,4,6-Tribromophenol	15.916	330	211820	20.205	ng	-0.02
45) 2-Fluorobiphenyl	13.051	172	817891	11.409	ng	-0.02
79) Terphenyl-d14	19.792	244	1023686	10.585	ng	-0.02
Target Compounds						Qvalue
54) 2,4-Dinitrophenol	14.527	184	115	3.208	ng	# 1
62) 4-Nitroaniline	15.304	138	1169	3.834	ng	93
65) 4,6-Dinitro-2-methylph...	15.568	198	322	3.055	ng	# 1
71) Phenanthrene	17.215	178	423486	4.449	ng	99
72) Anthracene	17.304	178	200644	2.177	ng	99
75) Fluoranthene	19.227	202	1042598	9.514	ng	98
78) Pyrene	19.592	202	1160602	10.193	ng	99
81) Benzo(a)anthracene	21.392	228	684521	6.289	ng	94
83) Chrysene	21.450	228	640724	6.209	ng	98
87) Indeno(1,2,3-cd)pyrene	27.791	276	439895	3.444	ng	99
88) Benzo(b)fluoranthene	23.468	252	836720	7.001	ng	# 95
89) Benzo(k)fluoranthene	23.468	252	836720	7.115	ng	# 95
90) Benzo(a)pyrene	24.268	252	631605	6.292	ng	96
92) Benzo(g,h,i)perylene	28.844	276	443277	4.136	ng	97

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

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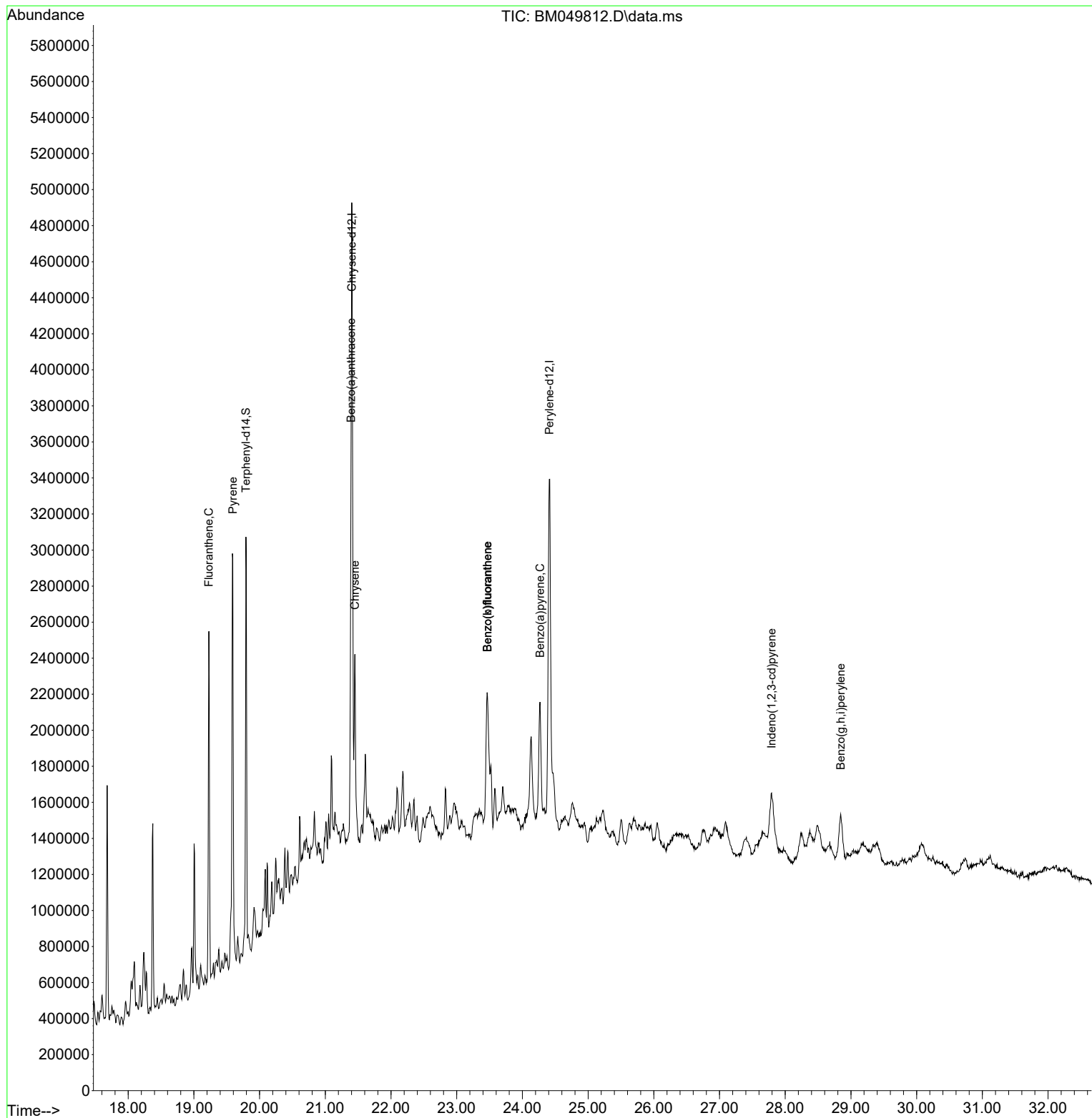
Quant Time: Apr 04 01:01:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
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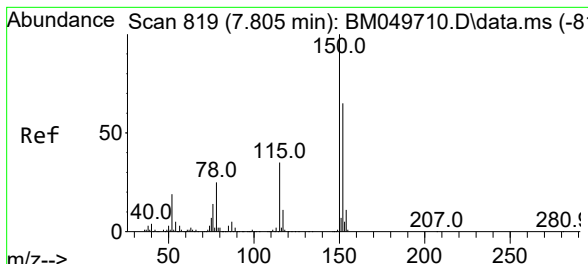


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040325\
Data File : BM049812.D
Acq On : 03 Apr 2025 19:11
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Quant Time: Apr 04 01:01:25 2025
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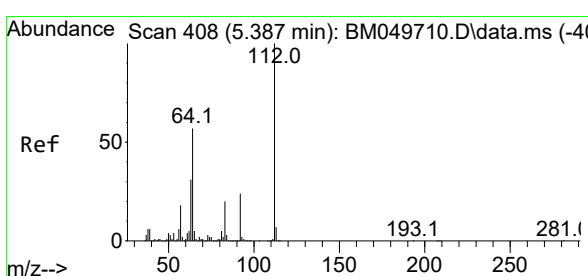
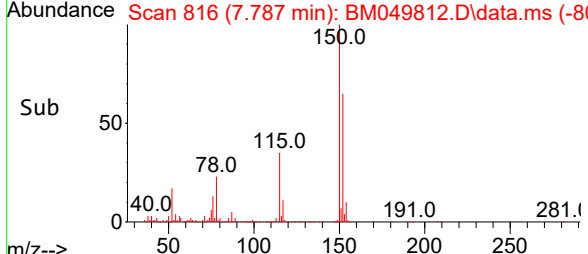
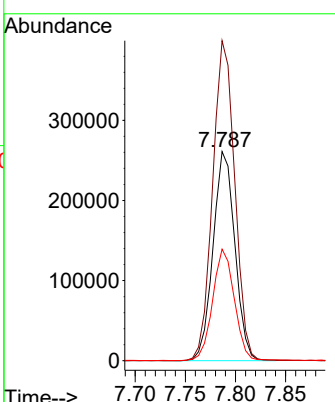
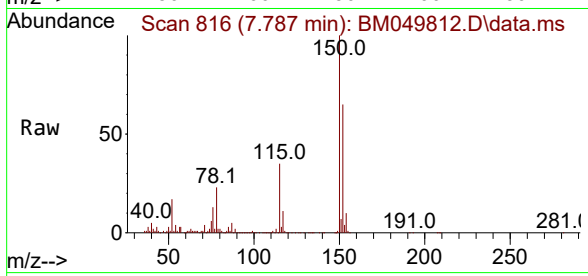


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.787 min Scan# 816
 Delta R.T. -0.018 min
 Lab File: BM049812.D
 Acq: 03 Apr 2025 19:11

Instrument :
 BNA_M
 ClientSampleId :
 PL-02-040225

Tgt Ion:152 Resp: 395265

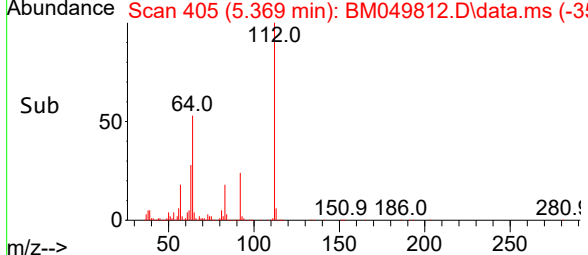
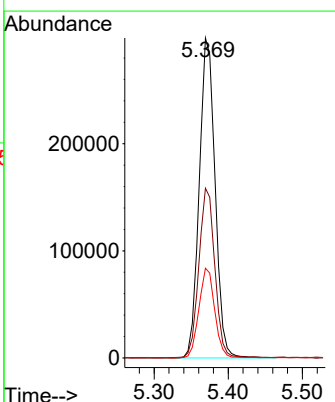
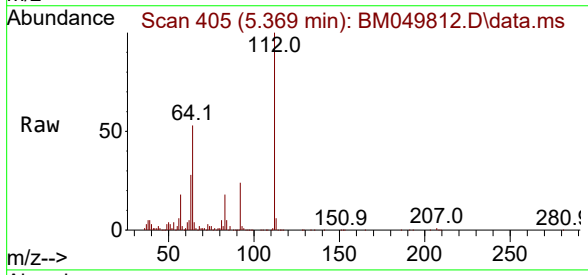
Ion	Ratio	Lower	Upper
152	100		
150	153.0	123.8	185.8
115	53.3	43.0	64.6

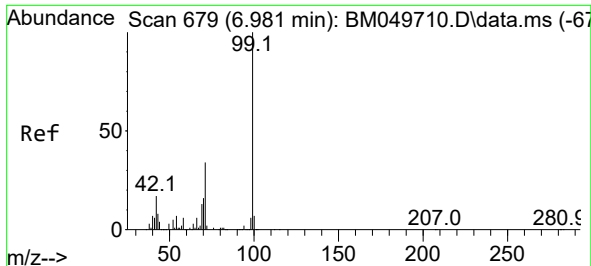


#5
 2-Fluorophenol
 Concen: 18.935 ng
 RT: 5.369 min Scan# 405
 Delta R.T. -0.018 min
 Lab File: BM049812.D
 Acq: 03 Apr 2025 19:11

Tgt Ion:112 Resp: 443561

Ion	Ratio	Lower	Upper
112	100		
64	53.0	45.3	67.9
63	28.1	24.4	36.6

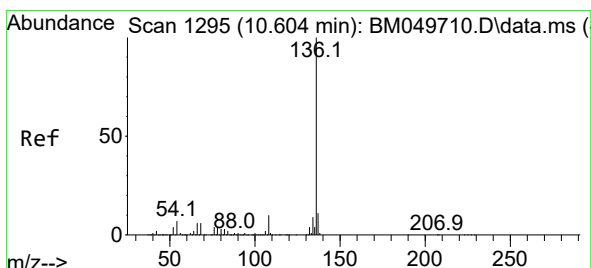
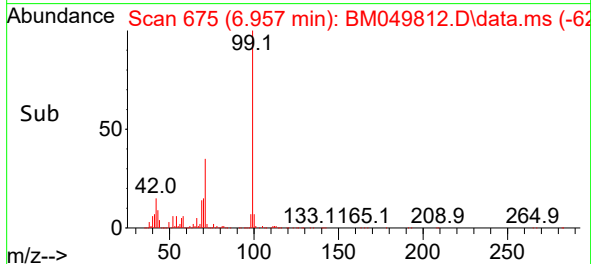
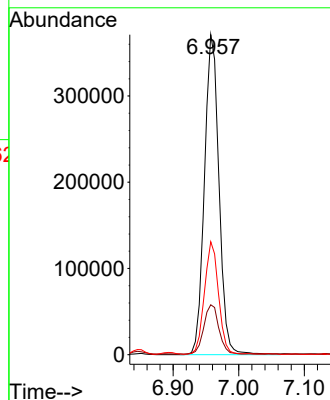
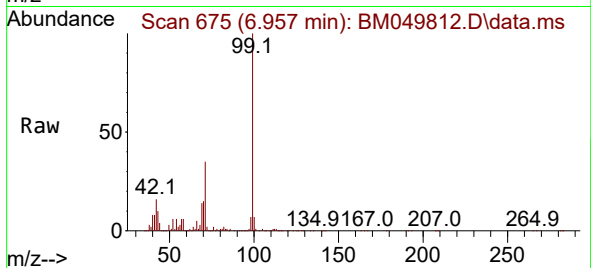




#7
Phenol-d6
Concen: 19.545 ng
RT: 6.957 min Scan# 61
Delta R.T. -0.024 min
Lab File: BM049812.D
Acq: 03 Apr 2025 19:11

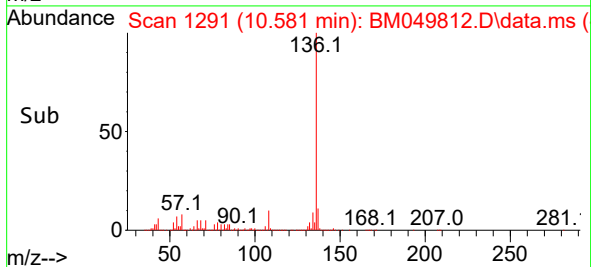
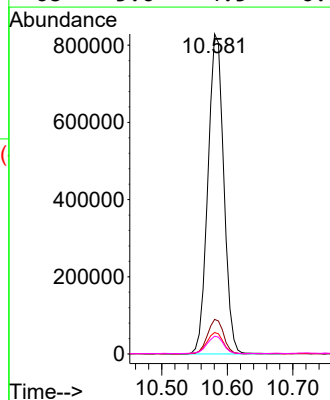
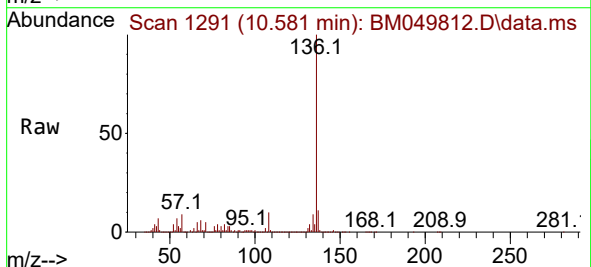
Instrument :
BNA_M
ClientSampleId :
PL-02-040225

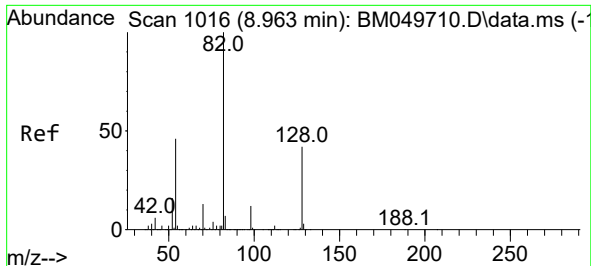
Tgt Ion: 99 Resp: 574572
Ion Ratio Lower Upper
99 100
42 15.6 13.6 20.4
71 35.3 27.0 40.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.581 min Scan# 1291
Delta R.T. -0.024 min
Lab File: BM049812.D
Acq: 03 Apr 2025 19:11

Tgt Ion: 136 Resp: 1396312
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 6.7 5.8 8.8
68 5.6 4.5 6.7





#23

Nitrobenzene-d5

Concen: 11.867 ng

RT: 8.940 min Scan# 1016

Delta R.T. -0.024 min

Lab File: BM049812.D

Acq: 03 Apr 2025 19:11

Instrument :

BNA_M

ClientSampleId :

PL-02-040225

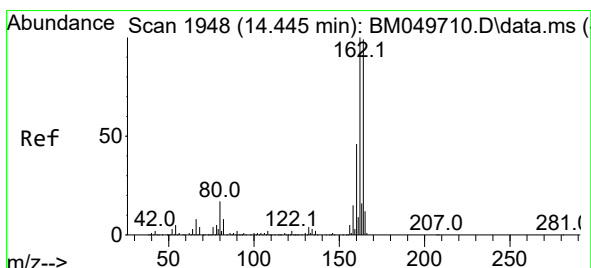
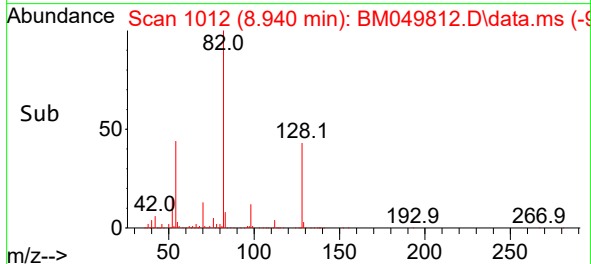
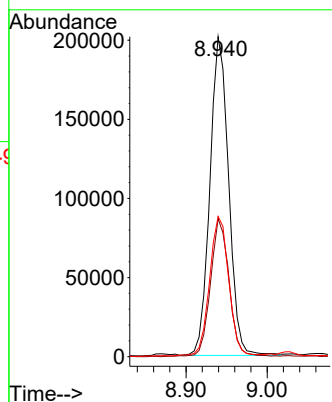
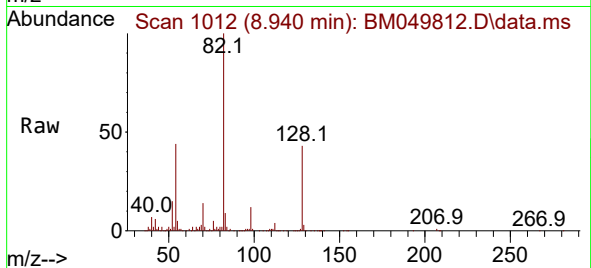
Tgt Ion: 82 Resp: 322748

Ion Ratio Lower Upper

82 100

128 43.2 33.4 50.0

54 43.8 36.4 54.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.427 min Scan# 1945

Delta R.T. -0.018 min

Lab File: BM049812.D

Acq: 03 Apr 2025 19:11

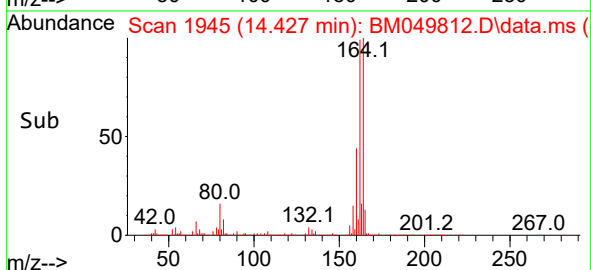
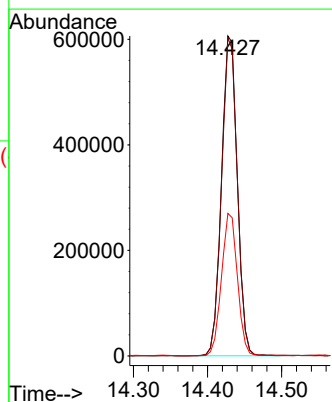
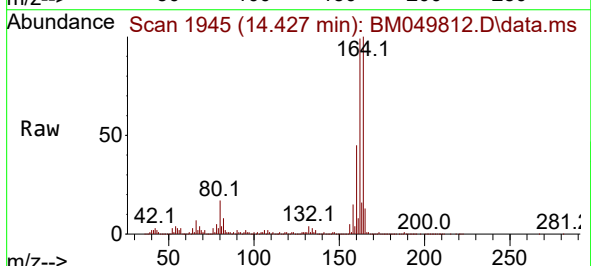
Tgt Ion: 164 Resp: 897798

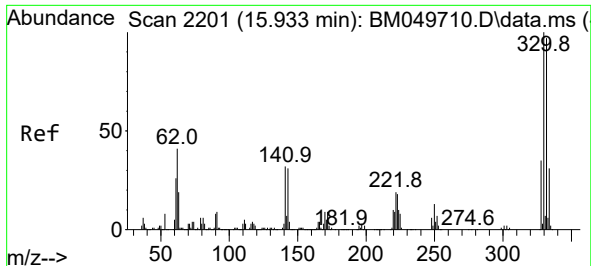
Ion Ratio Lower Upper

164 100

162 99.5 80.5 120.7

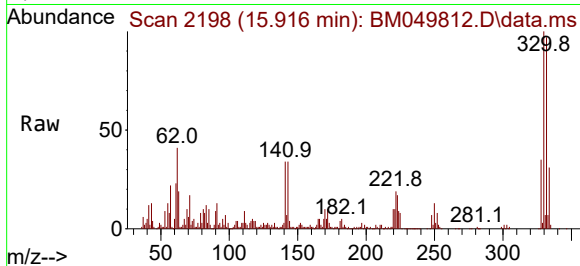
160 44.5 36.9 55.3



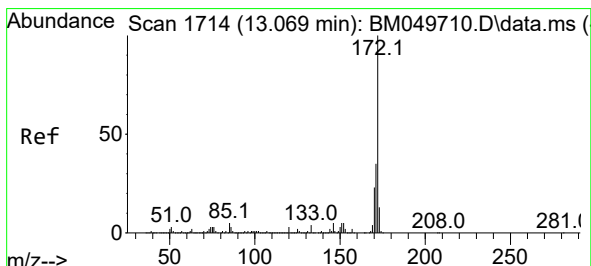
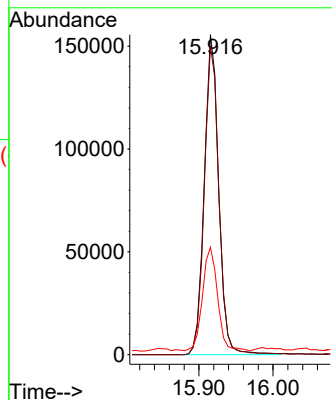
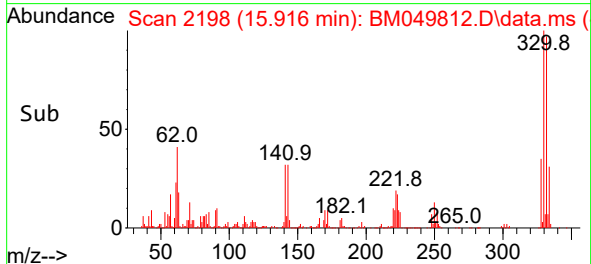


#42
2,4,6-Tribromophenol
Concen: 20.205 ng
RT: 15.916 min Scan# 21
Delta R.T. -0.017 min
Lab File: BM049812.D
Acq: 03 Apr 2025 19:11

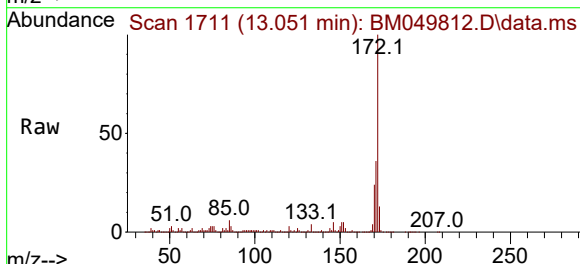
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BNA_M
ClientSampleId :
PL-02-040225



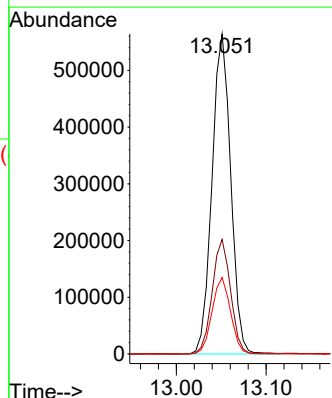
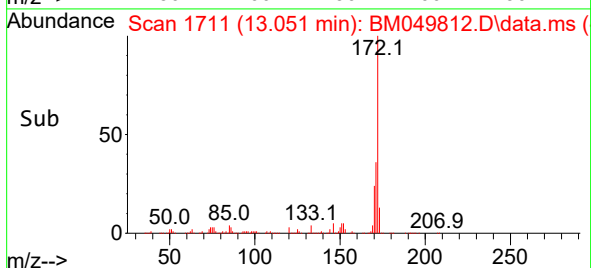
Tgt Ion:330 Resp: 211820
Ion Ratio Lower Upper
330 100
332 97.4 77.0 115.4
141 33.7 27.8 41.6

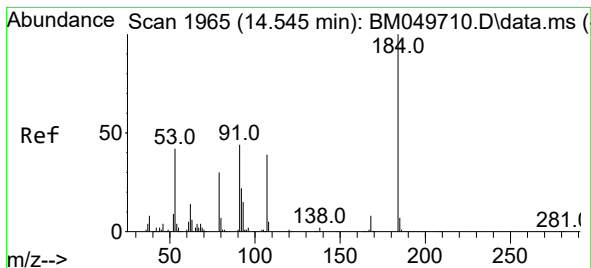


#45
2-Fluorobiphenyl
Concen: 11.409 ng
RT: 13.051 min Scan# 1711
Delta R.T. -0.018 min
Lab File: BM049812.D
Acq: 03 Apr 2025 19:11



Tgt Ion:172 Resp: 817891
Ion Ratio Lower Upper
172 100
171 35.8 27.9 41.9
170 23.9 18.6 28.0

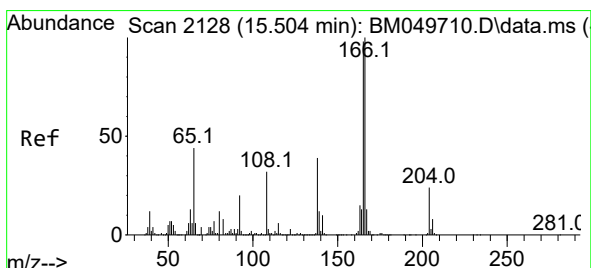
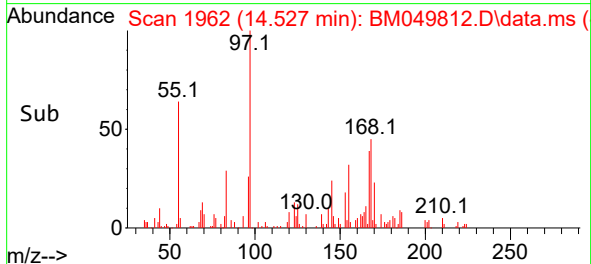
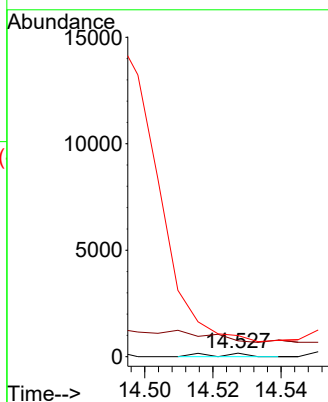
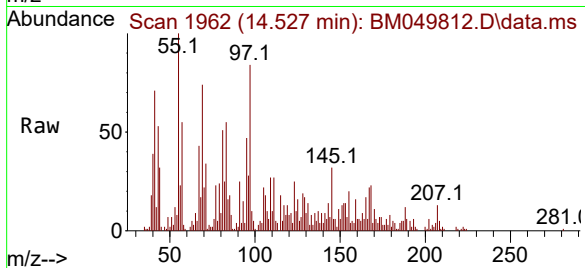




#54
2,4-Dinitrophenol
Concen: 3.208 ng
RT: 14.527 min Scan# 1965
Delta R.T. -0.018 min
Lab File: BM049812.D
Acq: 03 Apr 2025 19:11

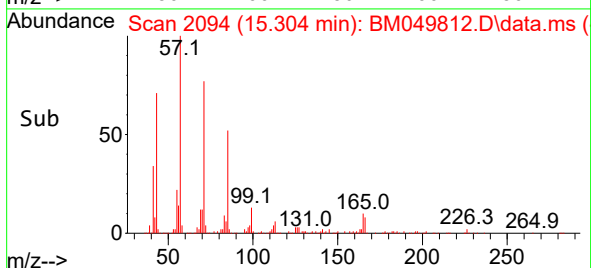
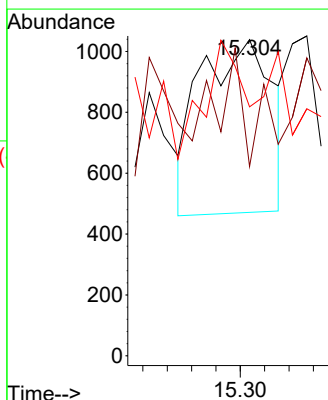
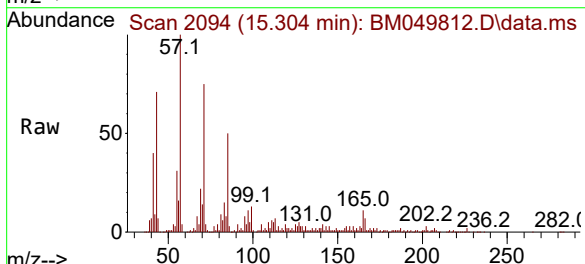
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ClientSampleId :
PL-02-040225

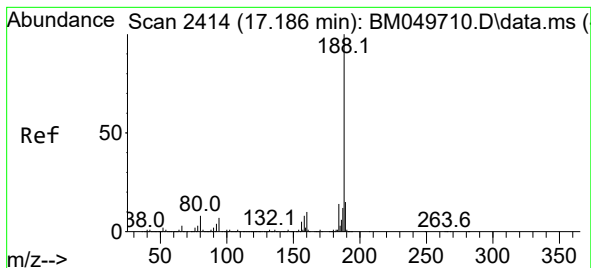
Tgt Ion:184 Resp: 115
Ion Ratio Lower Upper
184 100
63 449.4 47.2 70.8#
154 598.2 49.9 74.9#



#62
4-Nitroaniline
Concen: 3.834 ng
RT: 15.304 min Scan# 2094
Delta R.T. -0.200 min
Lab File: BM049812.D
Acq: 03 Apr 2025 19:11

Tgt Ion:138 Resp: 1169
Ion Ratio Lower Upper
138 100
92 59.9 29.8 69.8
108 78.7 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: BM049812.D

Acq: 03 Apr 2025 19:11

Instrument :

BNA_M

ClientSampleId :

PL-02-040225

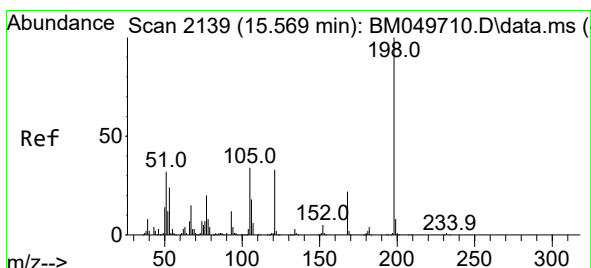
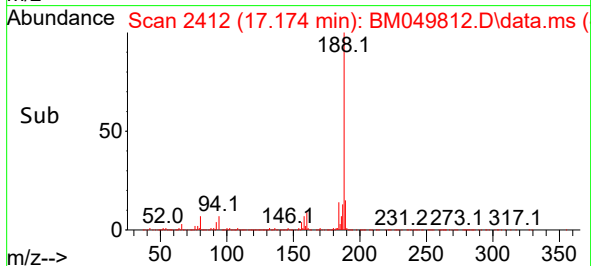
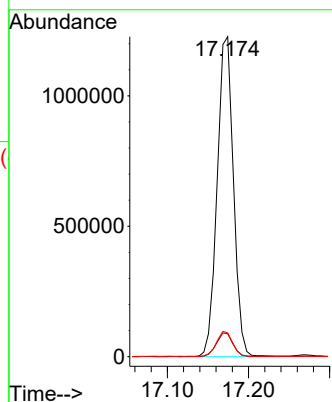
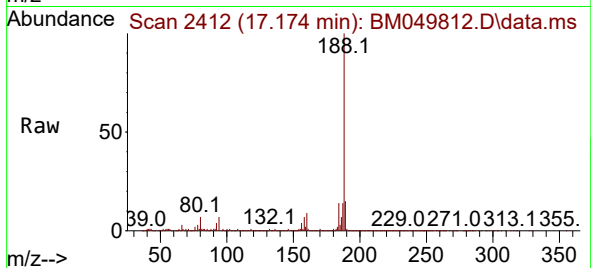
Tgt Ion:188 Resp: 1714136

Ion Ratio Lower Upper

188 100

94 7.2 5.8 8.6

80 7.5 6.3 9.5



#65

4,6-Dinitro-2-methylphenol

Concen: 3.055 ng

RT: 15.568 min Scan# 2139

Delta R.T. -0.001 min

Lab File: BM049812.D

Acq: 03 Apr 2025 19:11

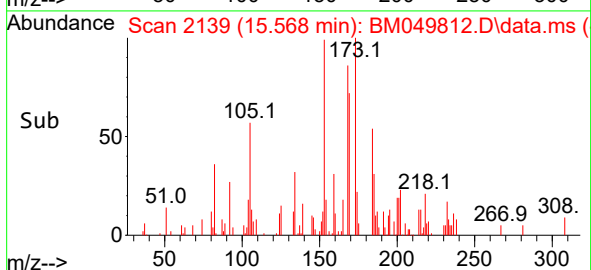
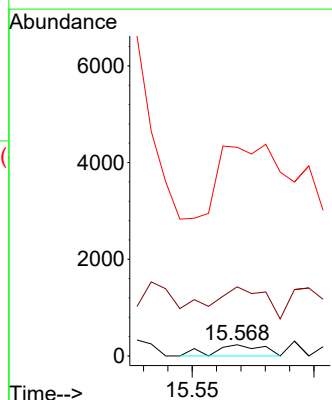
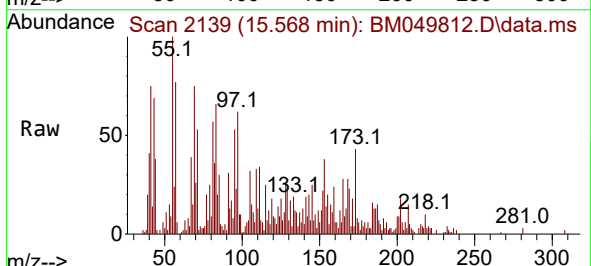
Tgt Ion:198 Resp: 322

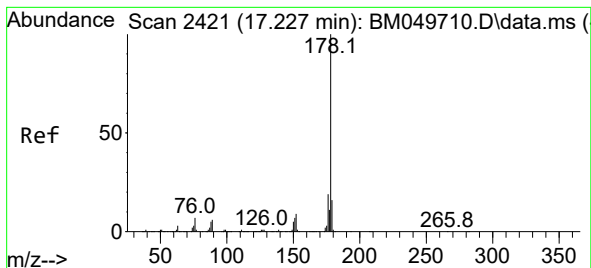
Ion Ratio Lower Upper

198 100

51 613.3 13.8 53.8#

105 1852.4 14.0 54.0#





#71

Phenanthrene

Concen: 4.449 ng

RT: 17.215 min Scan# 24

Delta R.T. -0.012 min

Lab File: BM049812.D

Acq: 03 Apr 2025 19:11

Instrument :

BNA_M

ClientSampleId :

PL-02-040225

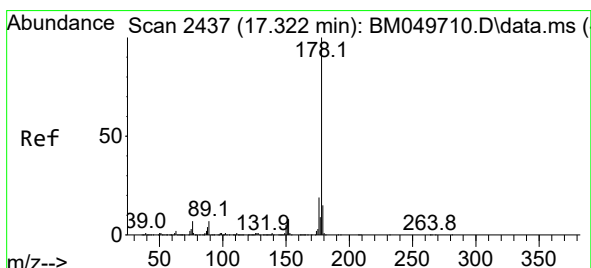
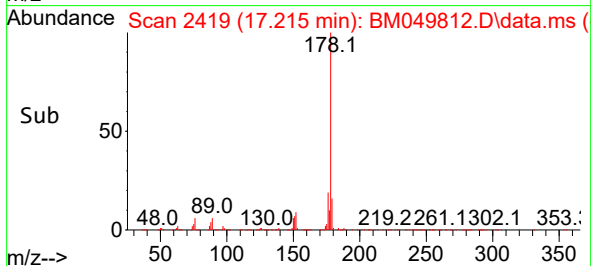
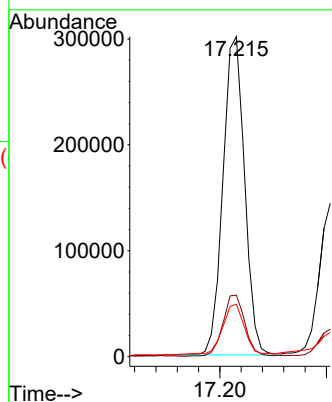
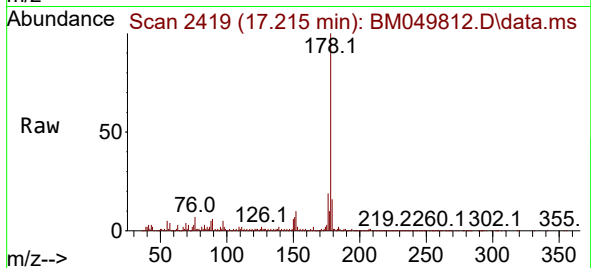
Tgt Ion:178 Resp: 423486

Ion Ratio Lower Upper

178 100

176 19.3 15.5 23.3

179 16.4 12.5 18.7



#72

Anthracene

Concen: 2.177 ng

RT: 17.304 min Scan# 2434

Delta R.T. -0.018 min

Lab File: BM049812.D

Acq: 03 Apr 2025 19:11

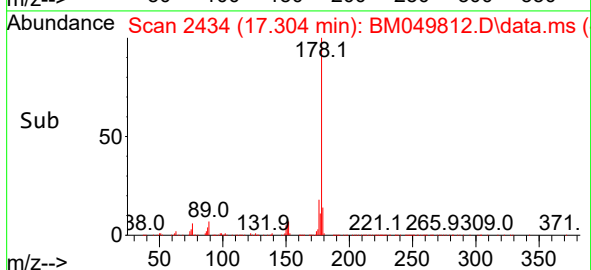
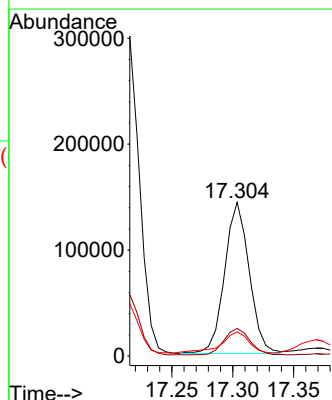
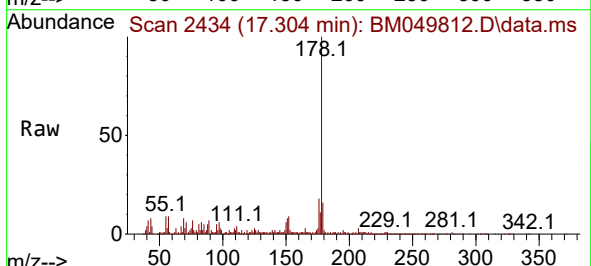
Tgt Ion:178 Resp: 200644

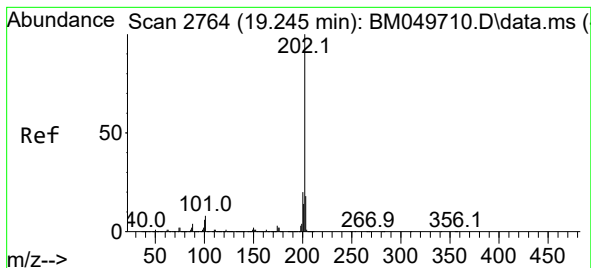
Ion Ratio Lower Upper

178 100

176 18.0 15.1 22.7

179 15.7 12.4 18.6

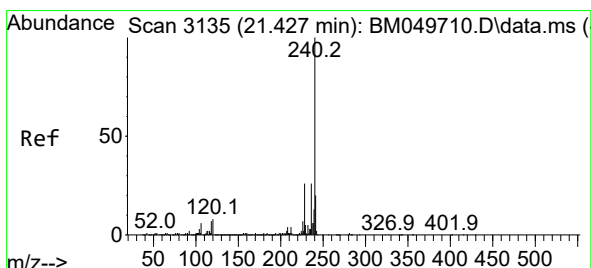
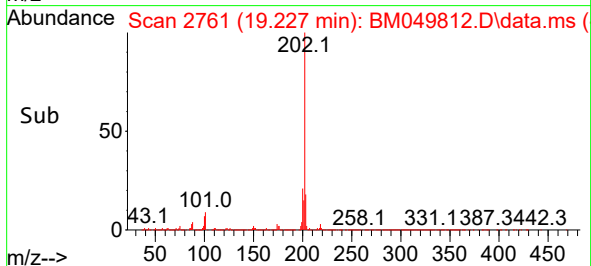
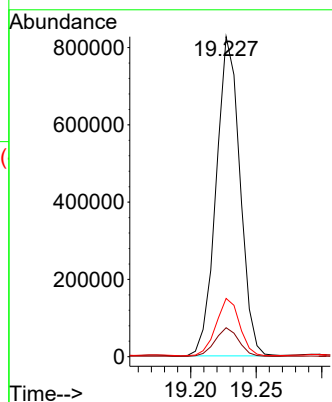
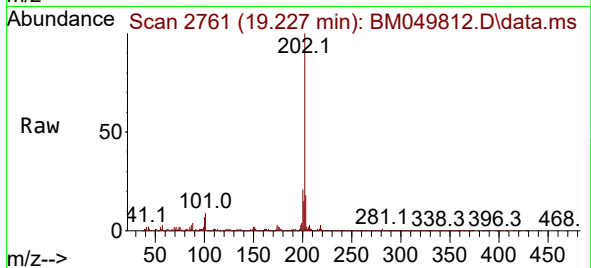




#75
Fluoranthene
Concen: 9.514 ng
RT: 19.227 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM049812.D
Acq: 03 Apr 2025 19:11

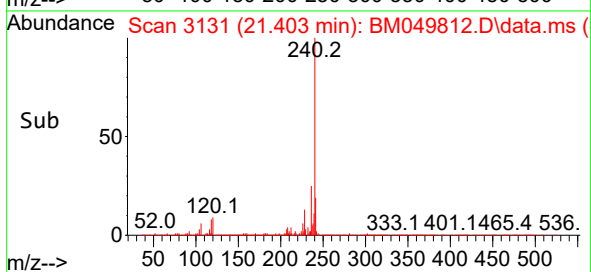
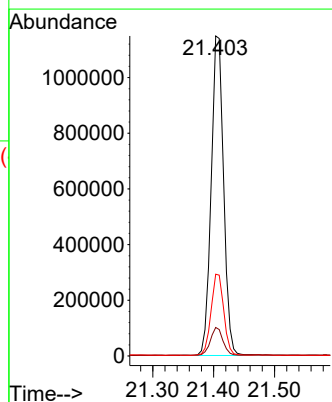
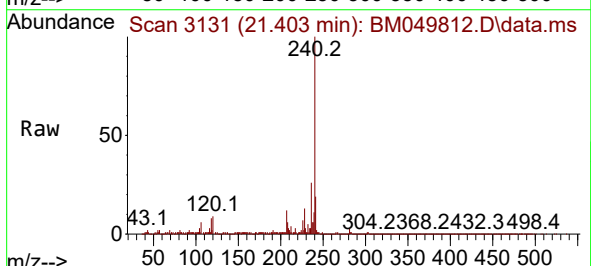
Instrument :
BNA_M
ClientSampleId :
PL-02-040225

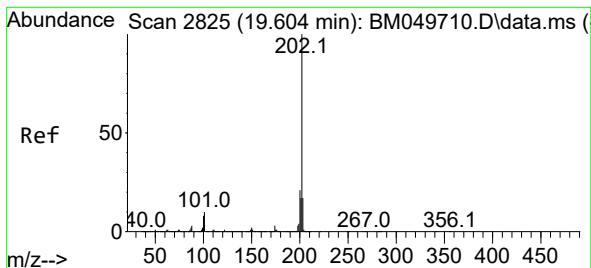
Tgt Ion:202 Resp: 1042598
Ion Ratio Lower Upper
202 100
101 9.0 0.0 27.8
203 18.2 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. -0.024 min
Lab File: BM049812.D
Acq: 03 Apr 2025 19:11

Tgt Ion:240 Resp: 1629694
Ion Ratio Lower Upper
240 100
120 8.9 6.5 9.7
236 25.6 20.7 31.1





#78

Pyrene

Concen: 10.193 ng

RT: 19.592 min Scan# 2

Delta R.T. -0.012 min

Lab File: BM049812.D

Acq: 03 Apr 2025 19:11

Instrument :

BNA_M

ClientSampleId :

PL-02-040225

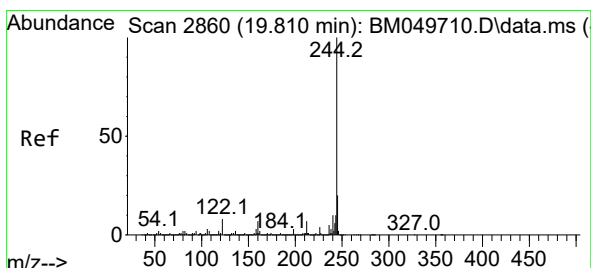
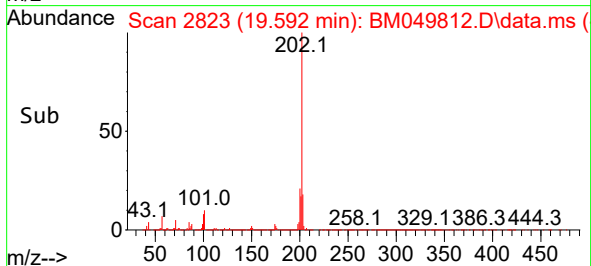
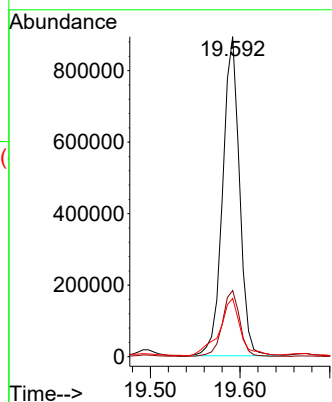
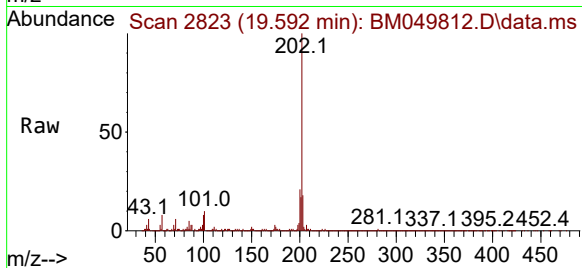
Tgt Ion:202 Resp: 1160602

Ion Ratio Lower Upper

202 100

200 20.6 17.0 25.4

203 18.2 14.0 21.0



#79

Terphenyl-d14

Concen: 10.585 ng

RT: 19.792 min Scan# 2857

Delta R.T. -0.018 min

Lab File: BM049812.D

Acq: 03 Apr 2025 19:11

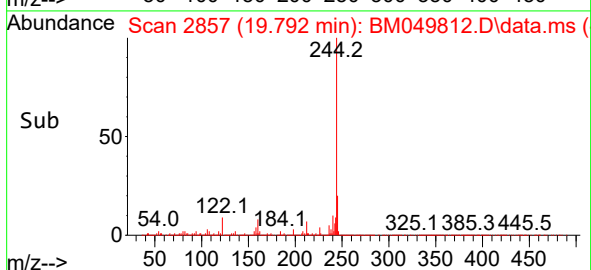
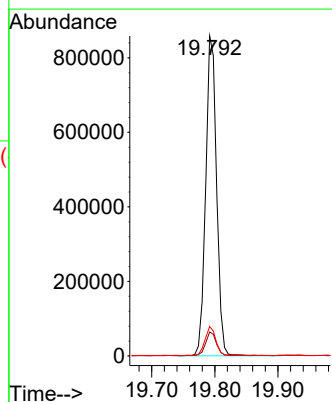
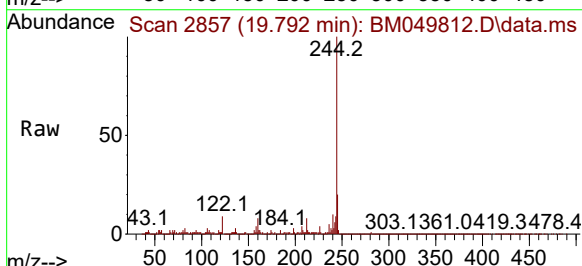
Tgt Ion:244 Resp: 1023686

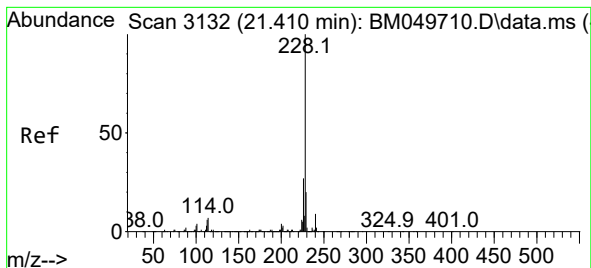
Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.6

122 9.2 6.0 9.0#





#81

Benzo(a)anthracene

Concen: 6.289 ng

RT: 21.392 min Scan# 3132

Delta R.T. -0.018 min

Lab File: BM049812.D

Acq: 03 Apr 2025 19:11

Instrument :

BNA_M

ClientSampleId :

PL-02-040225

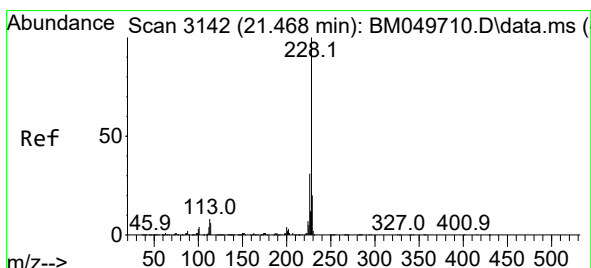
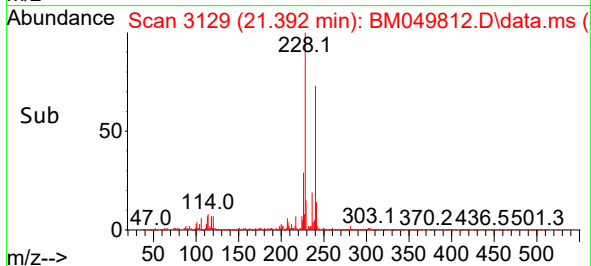
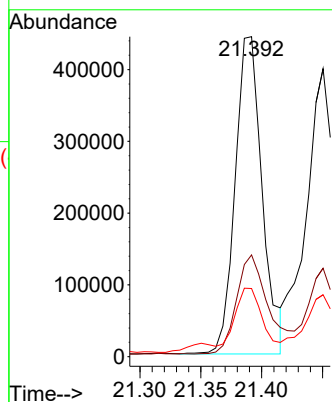
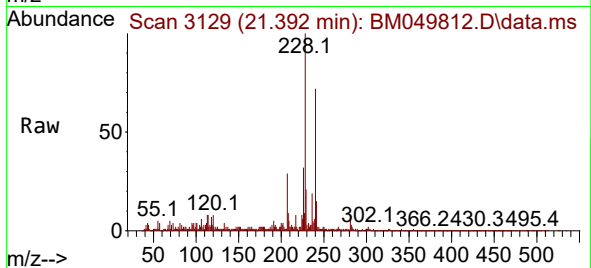
Tgt Ion:228 Resp: 684521

Ion Ratio Lower Upper

228 100

226 31.8 22.0 33.0

229 21.3 15.8 23.8



#83

Chrysene

Concen: 6.209 ng

RT: 21.450 min Scan# 3139

Delta R.T. -0.018 min

Lab File: BM049812.D

Acq: 03 Apr 2025 19:11

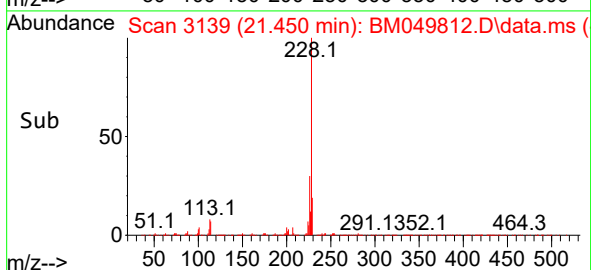
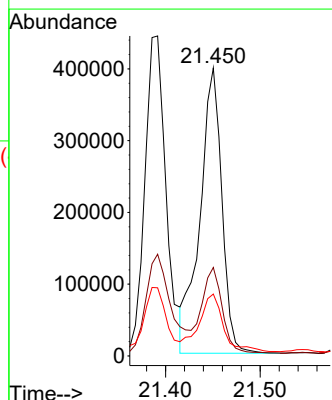
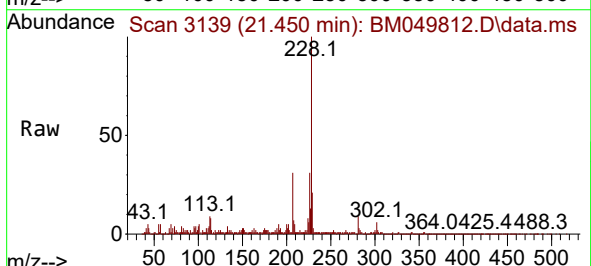
Tgt Ion:228 Resp: 640724

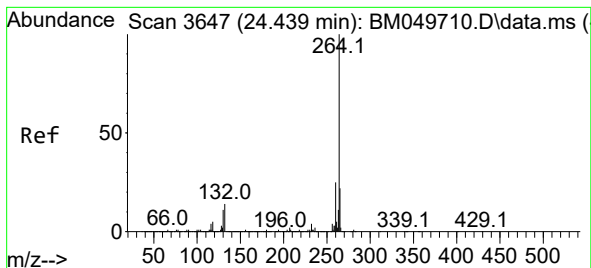
Ion Ratio Lower Upper

228 100

226 30.7 24.5 36.7

229 21.5 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.409 min Scan# 3

Delta R.T. -0.030 min

Lab File: BM049812.D

Acq: 03 Apr 2025 19:11

Instrument :

BNA_M

ClientSampleId :

PL-02-040225

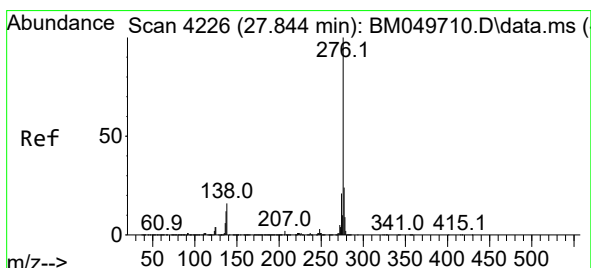
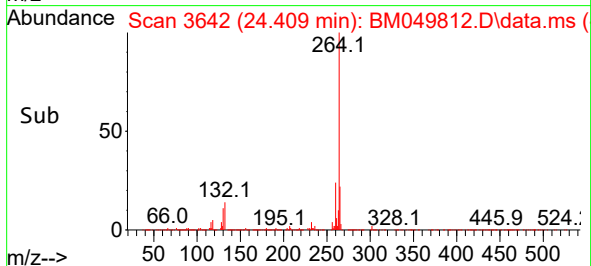
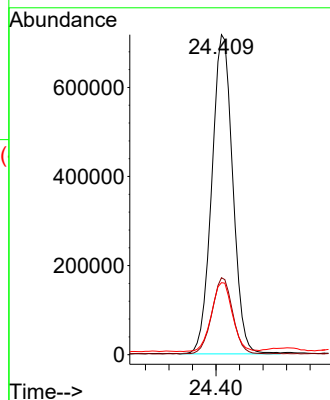
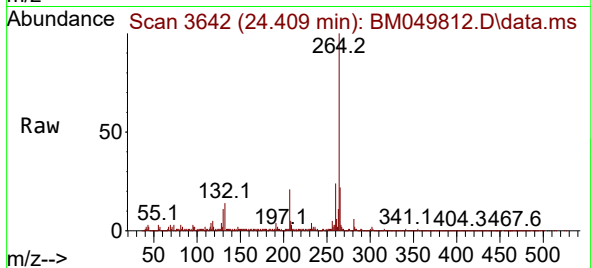
Tgt Ion:264 Resp: 1774416

Ion Ratio Lower Upper

264 100

260 24.1 19.6 29.4

265 22.5 18.2 27.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.444 ng

RT: 27.791 min Scan# 4217

Delta R.T. -0.053 min

Lab File: BM049812.D

Acq: 03 Apr 2025 19:11

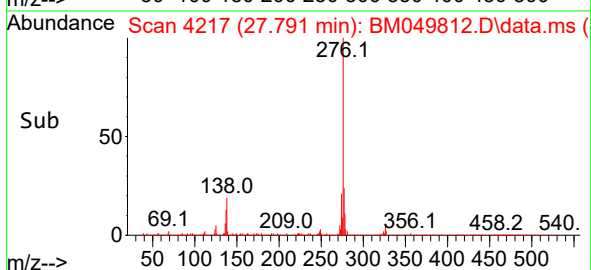
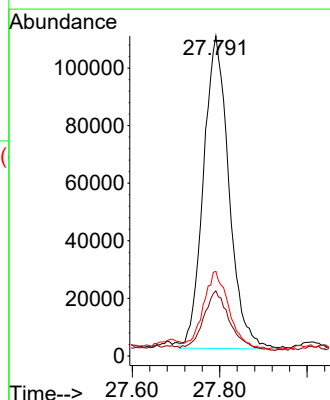
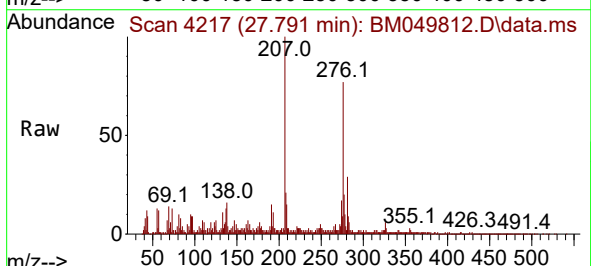
Tgt Ion:276 Resp: 439895

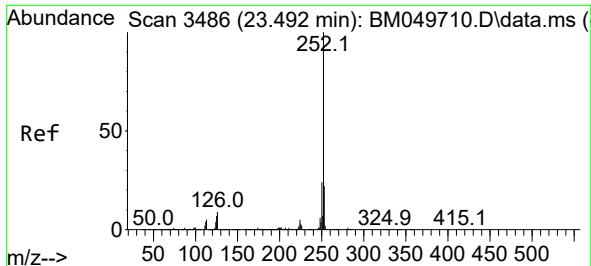
Ion Ratio Lower Upper

276 100

138 20.0 16.3 24.5

277 25.4 19.9 29.9

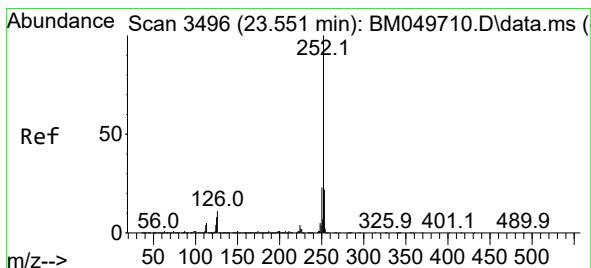
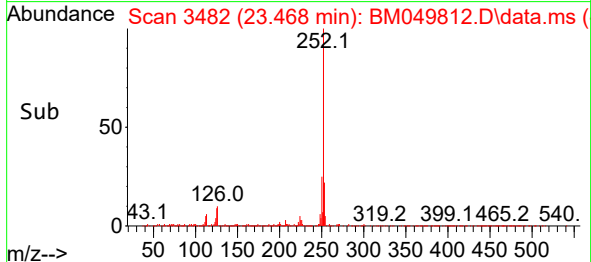
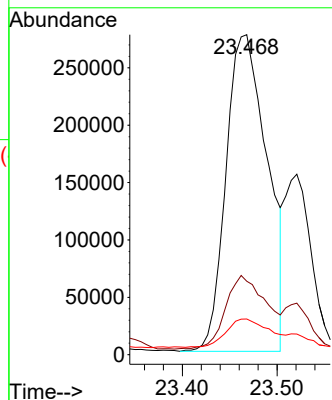
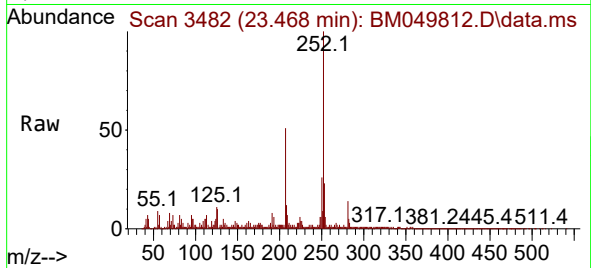




#88
Benzo(b)fluoranthene
Concen: 7.001 ng
RT: 23.468 min Scan# 3486
Delta R.T. -0.024 min
Lab File: BM049812.D
Acq: 03 Apr 2025 19:11

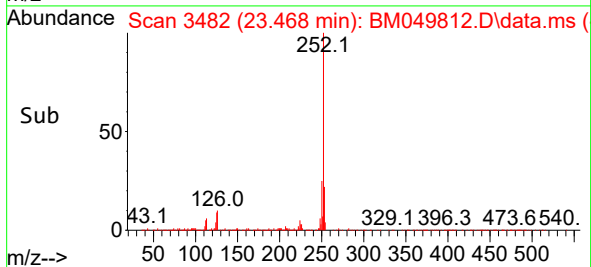
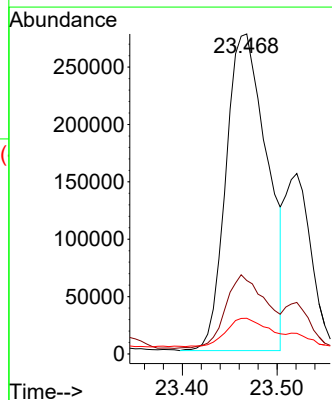
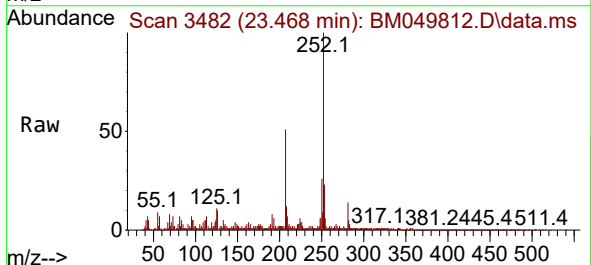
Instrument :
BNA_M
ClientSampleId :
PL-02-040225

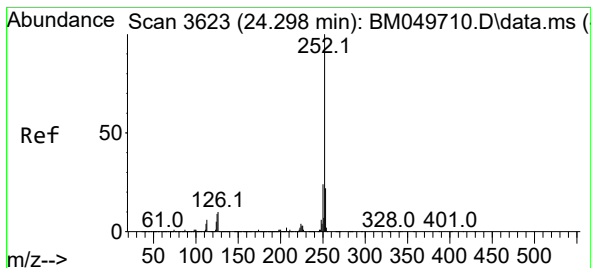
Tgt Ion:252 Resp: 836720
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 11.2 5.9 8.9#



#89
Benzo(k)fluoranthene
Concen: 7.115 ng
RT: 23.468 min Scan# 3482
Delta R.T. -0.083 min
Lab File: BM049812.D
Acq: 03 Apr 2025 19:11

Tgt Ion:252 Resp: 836720
Ion Ratio Lower Upper
252 100
253 23.0 17.3 25.9
125 11.2 6.2 9.2#





#90

Benzo(a)pyrene

Concen: 6.292 ng

RT: 24.268 min Scan# 3

Delta R.T. -0.030 min

Lab File: BM049812.D

Acq: 03 Apr 2025 19:11

Instrument :

BNA_M

ClientSampleId :

PL-02-040225

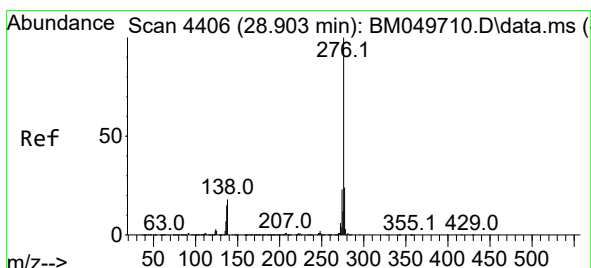
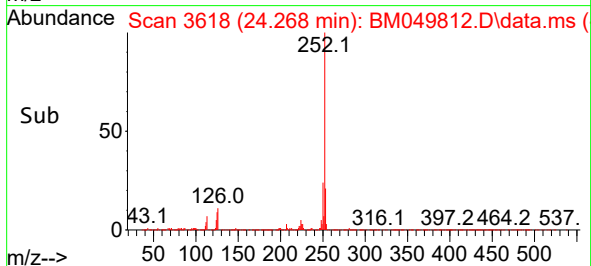
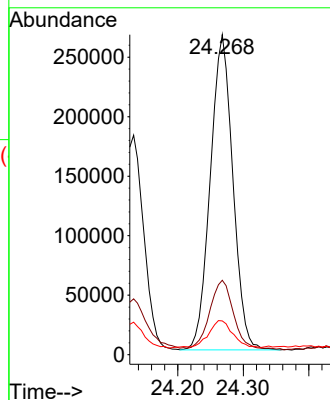
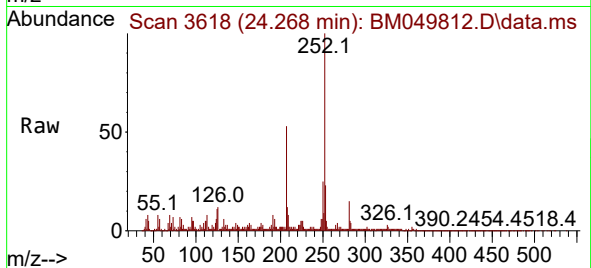
Tgt Ion:252 Resp: 631605

Ion Ratio Lower Upper

252 100

253 23.3 17.2 25.8

125 10.5 7.0 10.6



#92

Benzo(g,h,i)perylene

Concen: 4.136 ng

RT: 28.844 min Scan# 4396

Delta R.T. -0.059 min

Lab File: BM049812.D

Acq: 03 Apr 2025 19:11

Tgt Ion:276 Resp: 443277

Ion Ratio Lower Upper

276 100

277 24.6 18.8 28.2

138 19.2 14.0 21.0

