

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092324\
 Data File : BM047608.D
 Acq On : 23 Sep 2024 17:42
 Operator : RC/JU
 Sample : P4142-01 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OR-02-09202024

Quant Time: Sep 23 18:26:48 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 21 02:22:39 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

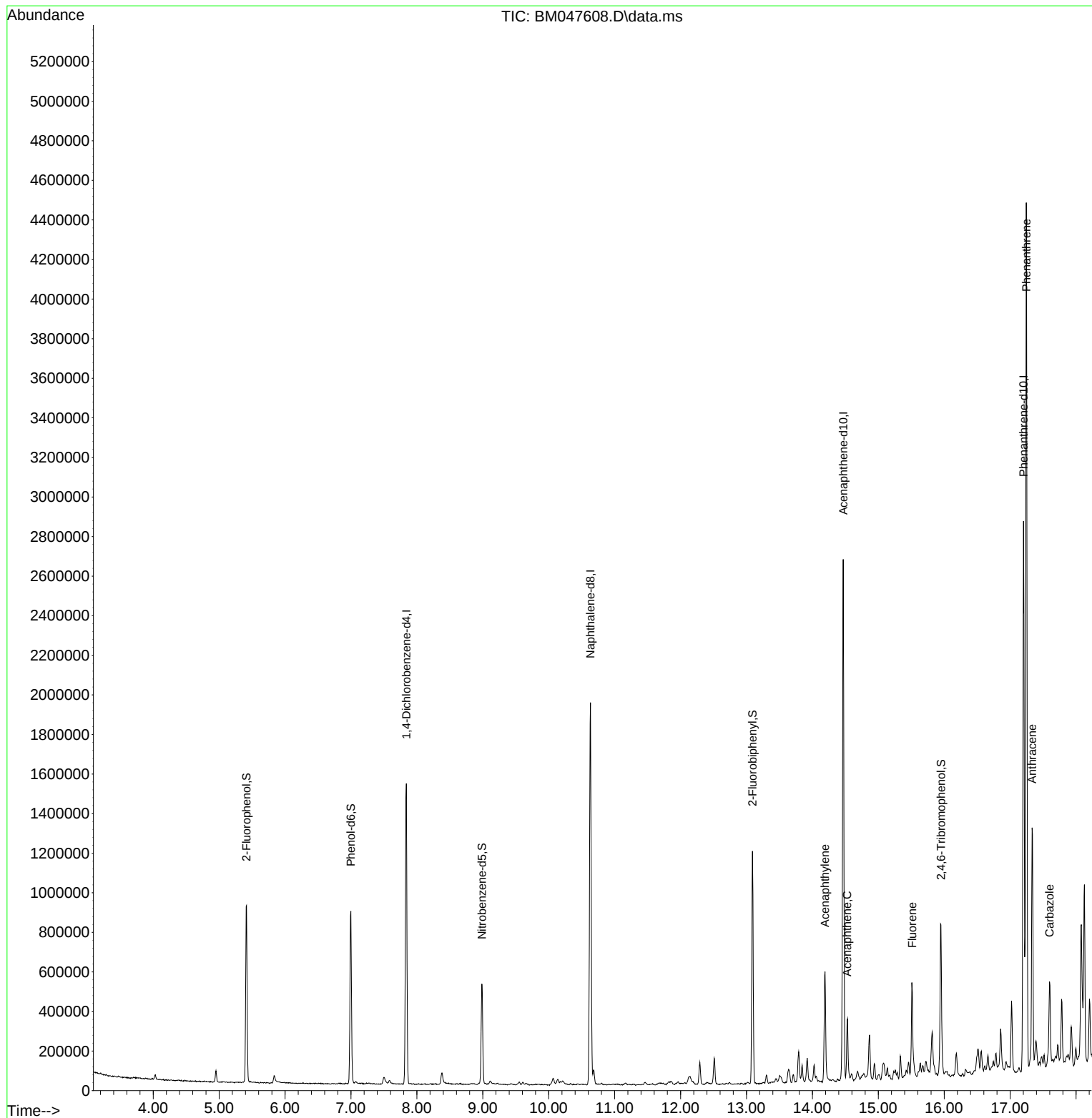
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.839	152	393375	20.000	ng	0.00
21) Naphthalene-d8	10.633	136	1573874	20.000	ng	0.00
39) Acenaphthene-d10	14.468	164	826891	20.000	ng	0.00
64) Phenanthrene-d10	17.203	188	1505315	20.000	ng	0.00
76) Chrysene-d12	21.427	240	1253488	20.000	ng	-0.01
86) Perylene-d12	24.450	264	1345250	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	383268	14.931	ng	0.00
7) Phenol-d6	6.998	99	491105	14.520	ng	0.00
23) Nitrobenzene-d5	8.986	82	287606	9.097	ng	-0.01
42) 2,4,6-Tribromophenol	15.951	330	95071	12.417	ng	0.00
45) 2-Fluorobiphenyl	13.092	172	553448	9.471	ng	-0.01
79) Terphenyl-d14	19.815	244	665829	9.531	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	14.192	152	413473	5.750	ng	99
52) Acenaphthene	14.527	154	103678	2.183	ng	96
58) Fluorene	15.515	166	203969	3.320	ng	99
71) Phenanthrene	17.245	178	2358215	28.861	ng	100
72) Anthracene	17.333	178	710566	9.178	ng	99
73) Carbazole	17.598	167	257466	3.192	ng	99
75) Fluoranthene	19.256	202	2203734	24.501	ng	100
78) Pyrene	19.615	202	2195126	25.021	ng	99
81) Benzo(a)anthracene	21.409	228	844617	10.248	ng	94
83) Chrysene	21.474	228	804986	10.270	ng	98
87) Indeno(1,2,3-cd)pyrene	27.856	276	356195	3.851	ng	# 94
88) Benzo(b)fluoranthene	23.497	252	746546	8.830	ng	97
89) Benzo(k)fluoranthene	23.497	252	746546	8.995	ng	97
90) Benzo(a)pyrene	24.309	252	633030	8.831	ng	98
92) Benzo(g,h,i)perylene	28.920	276	386909	4.996	ng	97

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

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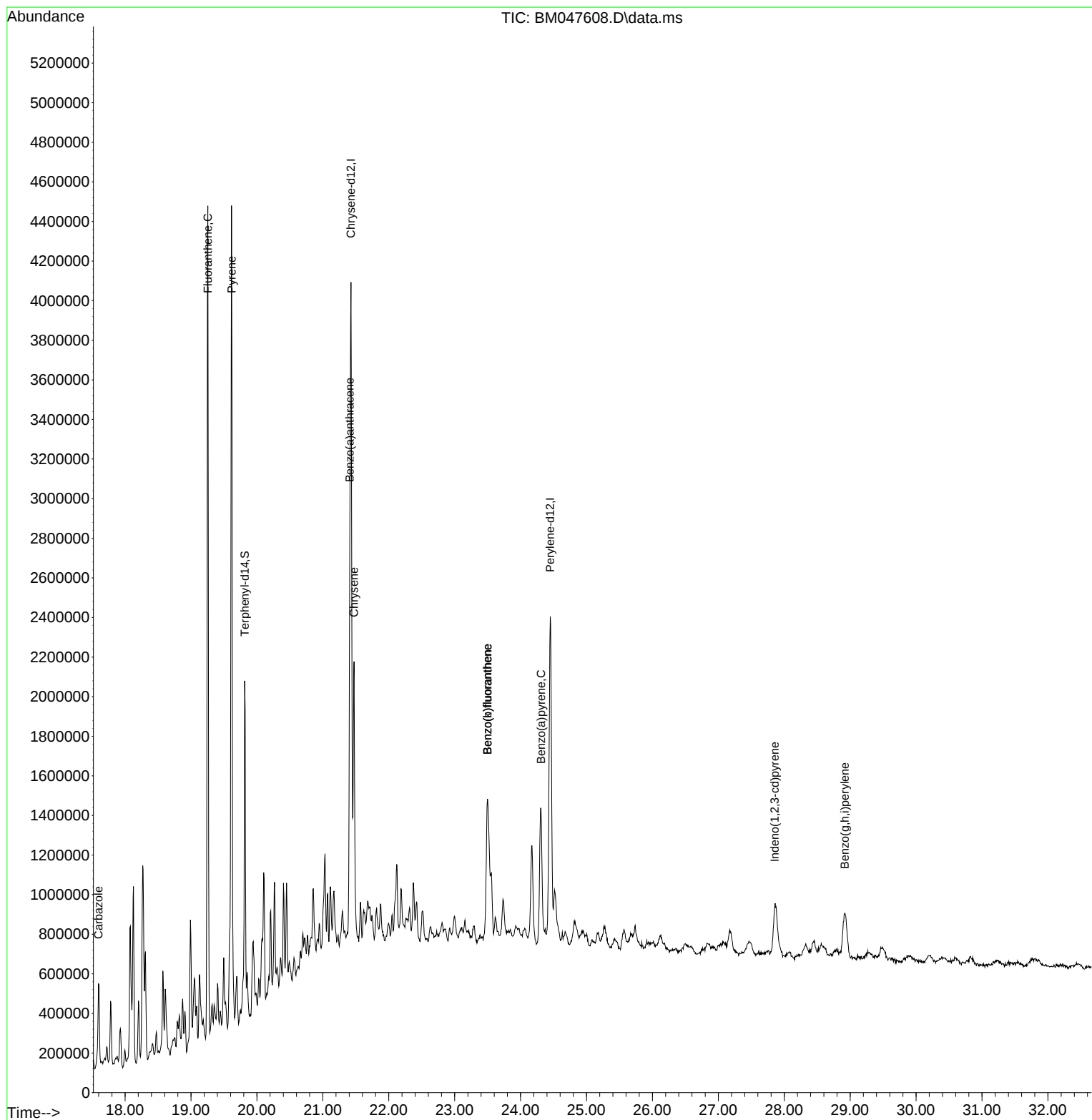
Quant Time: Sep 23 18:26:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 21 02:22:39 2024
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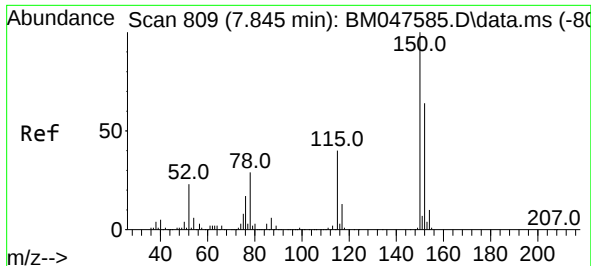


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092324\
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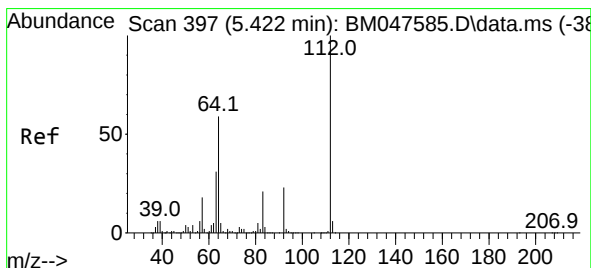
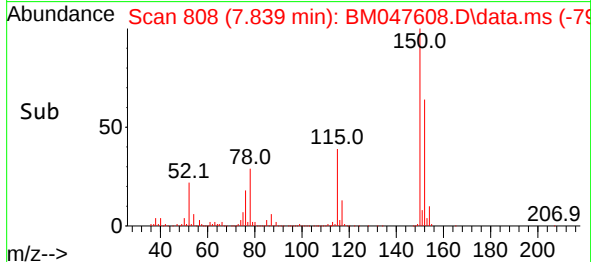
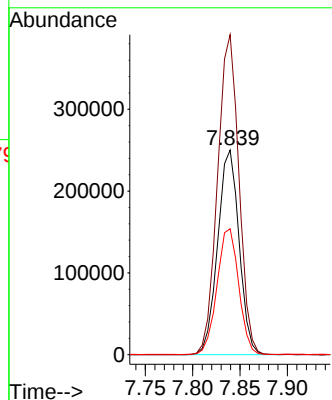
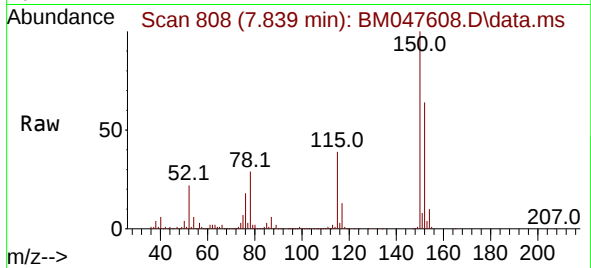




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.839 min Scan# 809
Delta R.T. -0.006 min
Lab File: BM047608.D
Acq: 23 Sep 2024 17:42

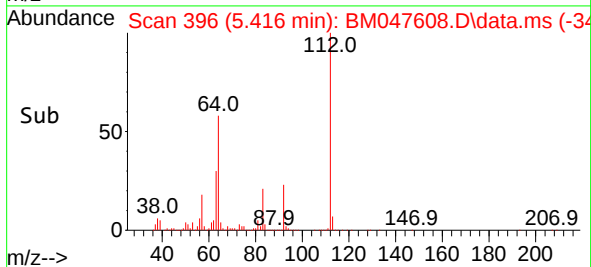
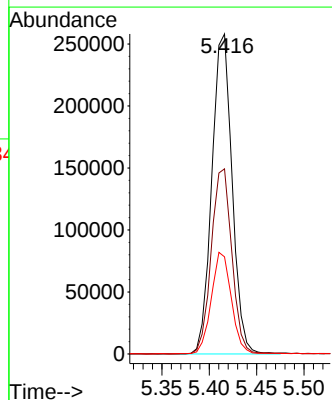
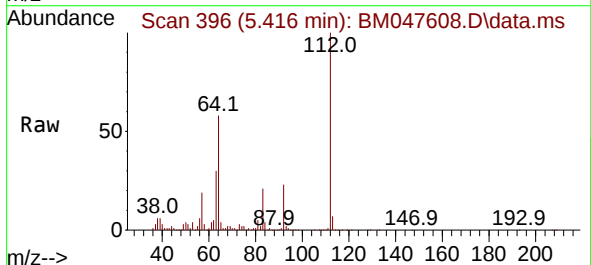
Instrument :
BNA_M
ClientSampleId :
OR-02-09202024

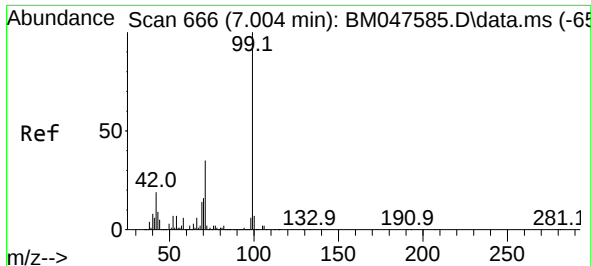
Tgt Ion:152 Resp: 393375
Ion Ratio Lower Upper
152 100
150 156.4 124.5 186.7
115 61.5 49.9 74.9



#5
2-Fluorophenol
Concen: 14.931 ng
RT: 5.416 min Scan# 396
Delta R.T. -0.006 min
Lab File: BM047608.D
Acq: 23 Sep 2024 17:42

Tgt Ion:112 Resp: 383268
Ion Ratio Lower Upper
112 100
64 57.9 46.8 70.2
63 30.3 25.2 37.8

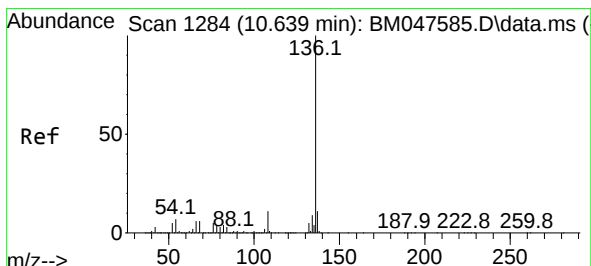
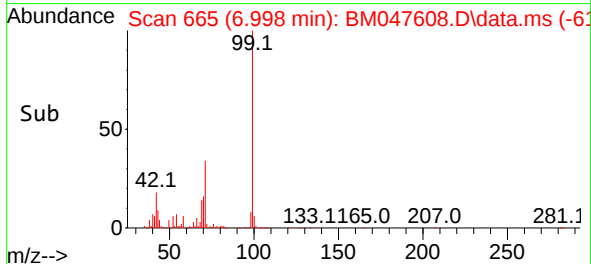
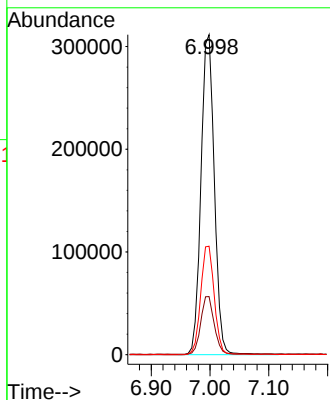
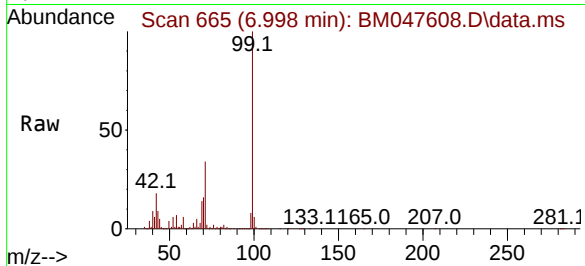




#7
Phenol-d6
Concen: 14.520 ng
RT: 6.998 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM047608.D
Acq: 23 Sep 2024 17:42

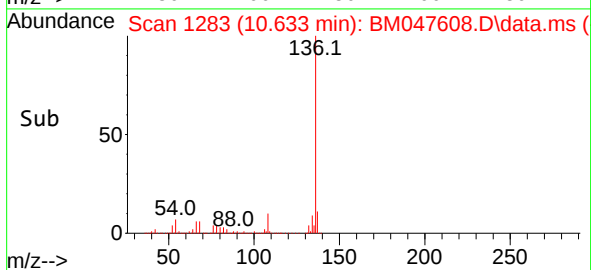
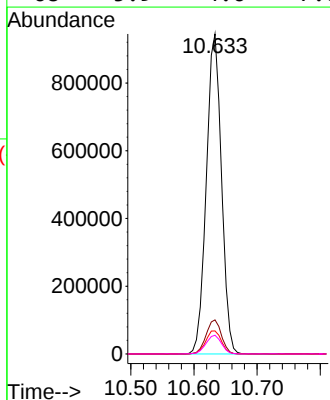
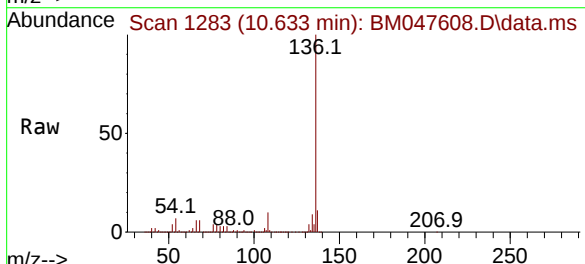
Instrument :
BNA_M
ClientSampleId :
OR-02-09202024

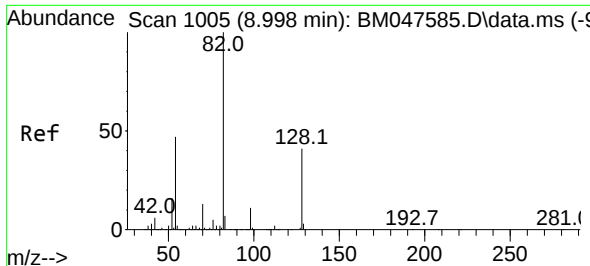
Tgt Ion: 99 Resp: 491105
Ion Ratio Lower Upper
99 100
42 18.1 15.3 22.9
71 33.9 27.8 41.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.633 min Scan# 1283
Delta R.T. -0.006 min
Lab File: BM047608.D
Acq: 23 Sep 2024 17:42

Tgt Ion: 136 Resp: 1573874
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.4
54 7.2 6.0 9.0
68 5.9 4.6 7.0

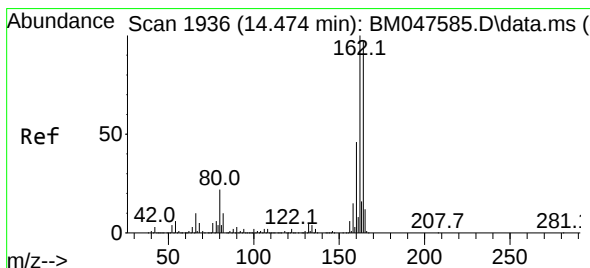
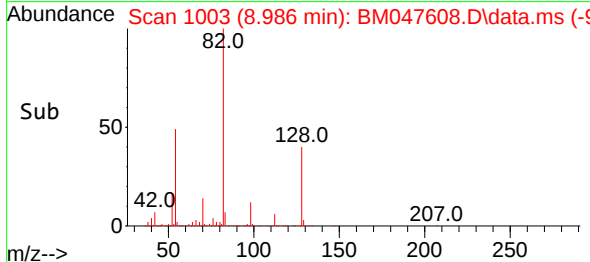
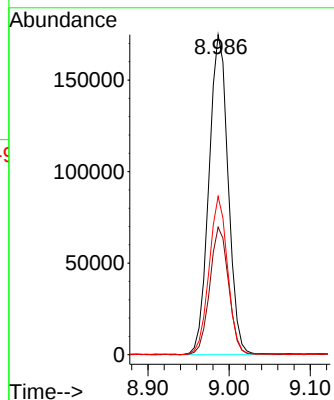
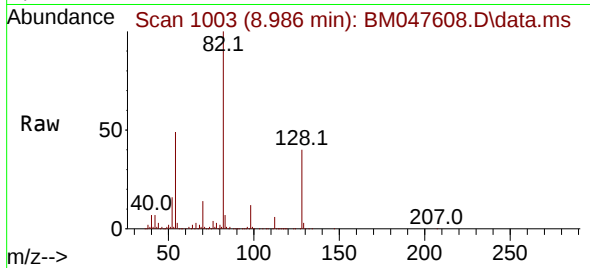




#23
Nitrobenzene-d5
Concen: 9.097 ng
RT: 8.986 min Scan# 1003
Delta R.T. -0.012 min
Lab File: BM047608.D
Acq: 23 Sep 2024 17:42

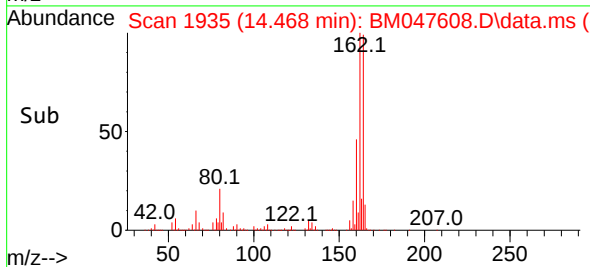
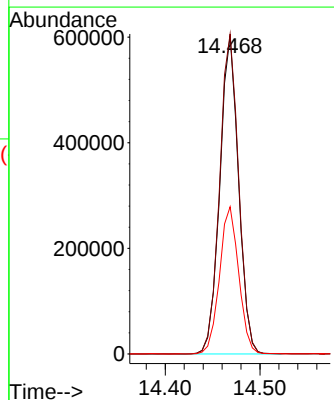
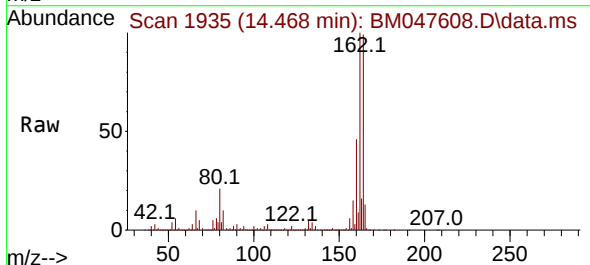
Instrument :
BNA_M
ClientSampleId :
OR-02-09202024

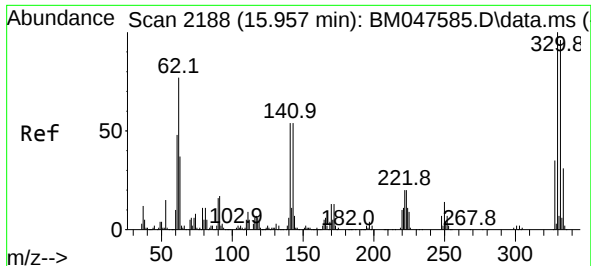
Tgt Ion: 82 Resp: 287606
Ion Ratio Lower Upper
82 100
128 39.8 32.5 48.7
54 49.4 37.5 56.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.468 min Scan# 1935
Delta R.T. -0.006 min
Lab File: BM047608.D
Acq: 23 Sep 2024 17:42

Tgt Ion: 164 Resp: 826891
Ion Ratio Lower Upper
164 100
162 100.6 82.6 123.8
160 46.2 37.8 56.6

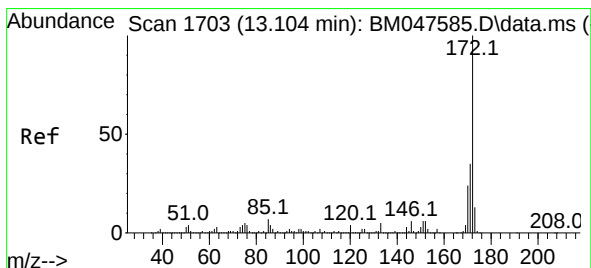
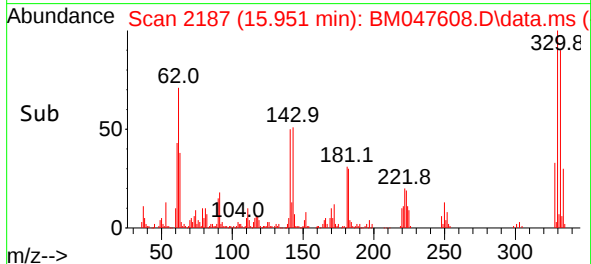
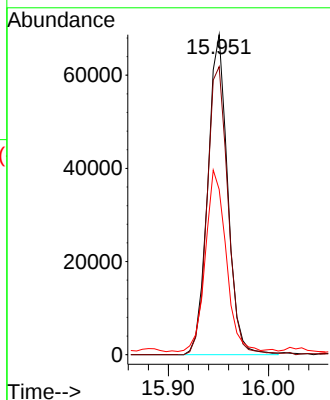
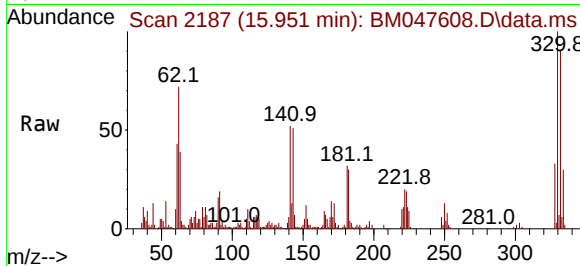




#42
2,4,6-Tribromophenol
Concen: 12.417 ng
RT: 15.951 min Scan# 2188
Delta R.T. -0.006 min
Lab File: BM047608.D
Acq: 23 Sep 2024 17:42

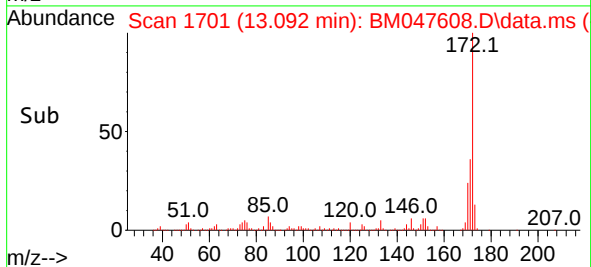
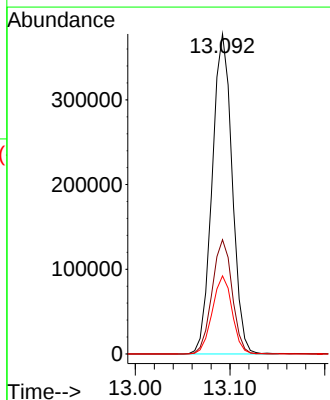
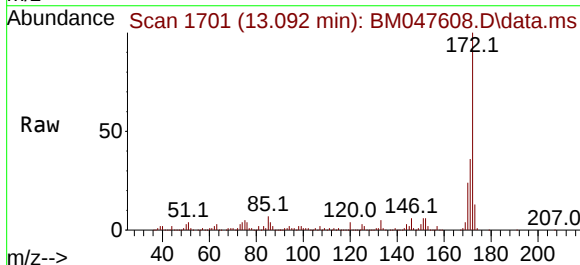
Instrument :
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ClientSampleId :
OR-02-09202024

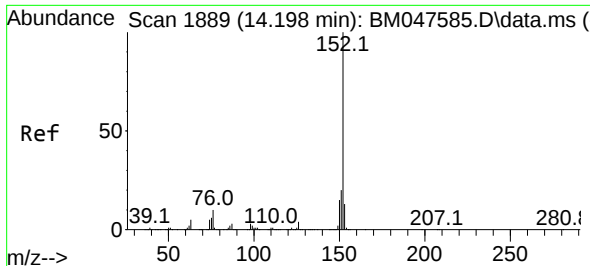
Tgt Ion:330 Resp: 95071
Ion Ratio Lower Upper
330 100
332 94.3 77.0 115.4
141 58.8 45.9 68.9



#45
2-Fluorobiphenyl
Concen: 9.471 ng
RT: 13.092 min Scan# 1701
Delta R.T. -0.012 min
Lab File: BM047608.D
Acq: 23 Sep 2024 17:42

Tgt Ion:172 Resp: 553448
Ion Ratio Lower Upper
172 100
171 35.7 28.1 42.1
170 24.4 19.0 28.6

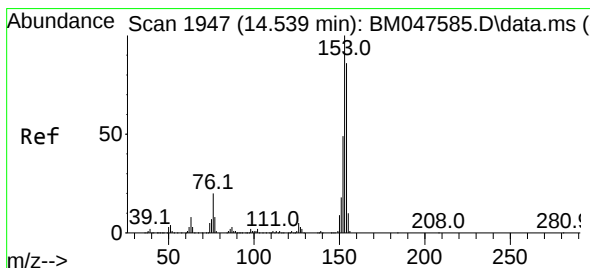
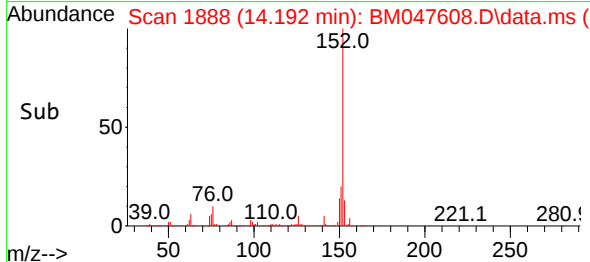
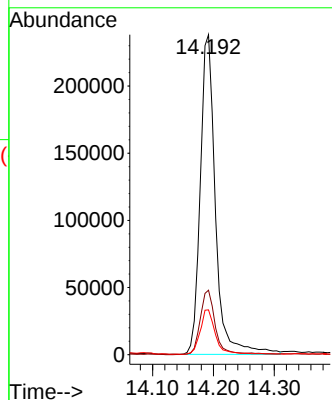
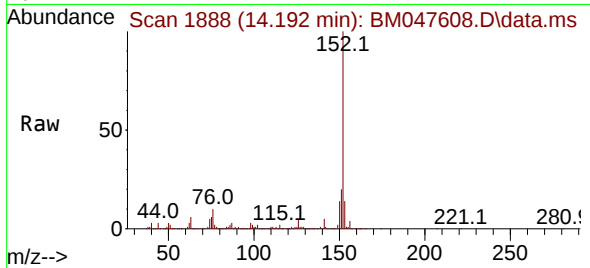




#49
Acenaphthylene
Concen: 5.750 ng
RT: 14.192 min Scan# 1888
Delta R.T. -0.006 min
Lab File: BM047608.D
Acq: 23 Sep 2024 17:42

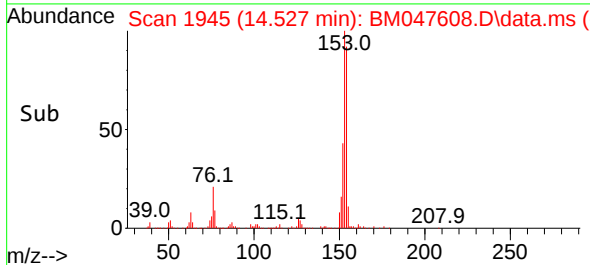
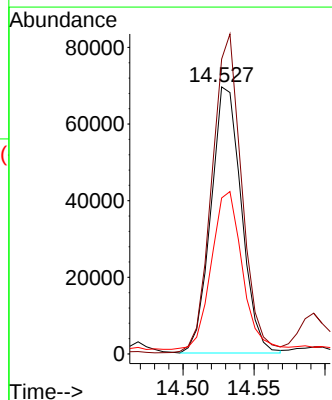
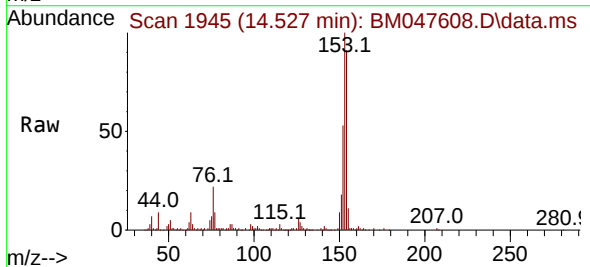
Instrument :
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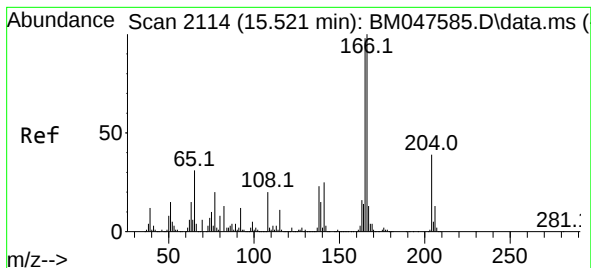
Tgt Ion:152 Resp: 413473
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.2
153 14.0 10.4 15.6



#52
Acenaphthene
Concen: 2.183 ng
RT: 14.527 min Scan# 1945
Delta R.T. -0.012 min
Lab File: BM047608.D
Acq: 23 Sep 2024 17:42

Tgt Ion:154 Resp: 103678
Ion Ratio Lower Upper
154 100
153 110.4 92.8 139.2
152 58.4 45.7 68.5





#58

Fluorene

Concen: 3.320 ng

RT: 15.515 min Scan# 2114

Delta R.T. -0.006 min

Lab File: BM047608.D

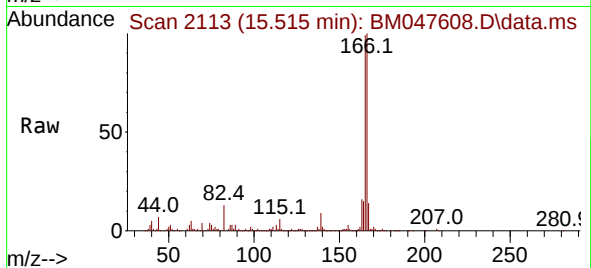
Acq: 23 Sep 2024 17:42

Instrument :

BNA_M

ClientSampleId :

OR-02-09202024



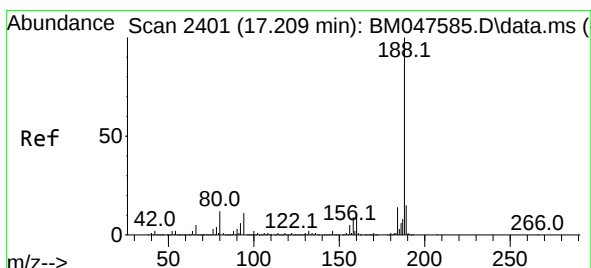
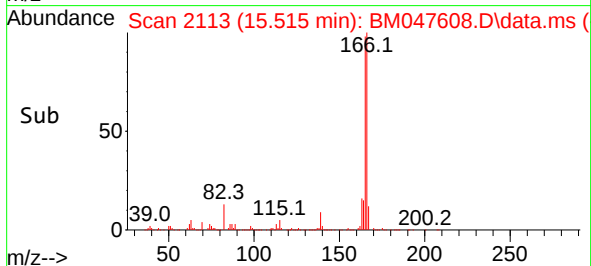
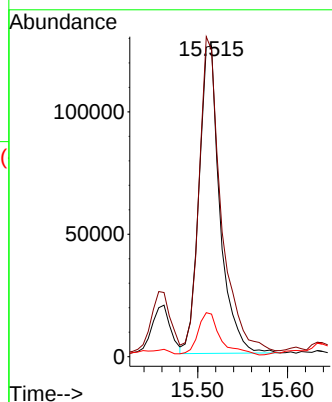
Tgt Ion:166 Resp: 203969

Ion Ratio Lower Upper

166 100

165 98.7 78.4 117.6

167 13.7 10.5 15.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.203 min Scan# 2400

Delta R.T. -0.006 min

Lab File: BM047608.D

Acq: 23 Sep 2024 17:42

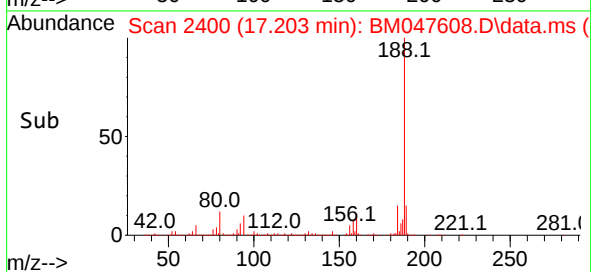
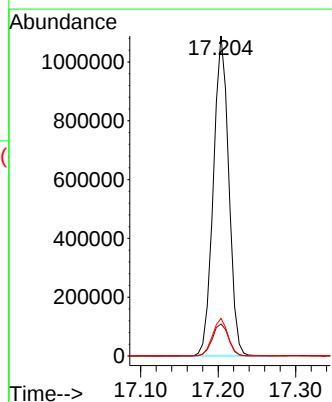
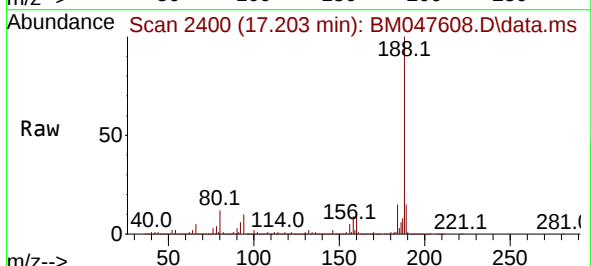
Tgt Ion:188 Resp: 1505315

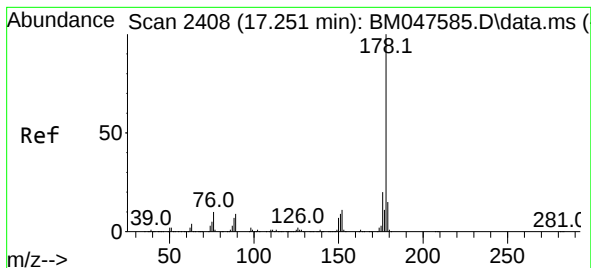
Ion Ratio Lower Upper

188 100

94 10.0 8.6 13.0

80 11.8 9.9 14.9





#71

Phenanthrene

Concen: 28.861 ng

RT: 17.245 min Scan# 2408

Delta R.T. -0.006 min

Lab File: BM047608.D

Acq: 23 Sep 2024 17:42

Instrument :

BNA_M

ClientSampleId :

OR-02-09202024

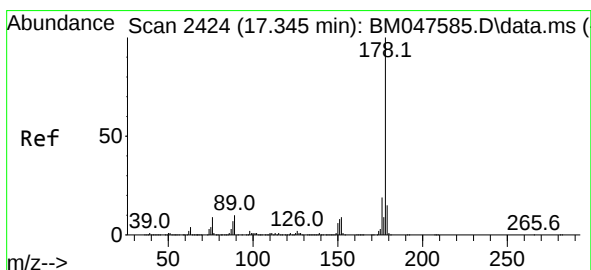
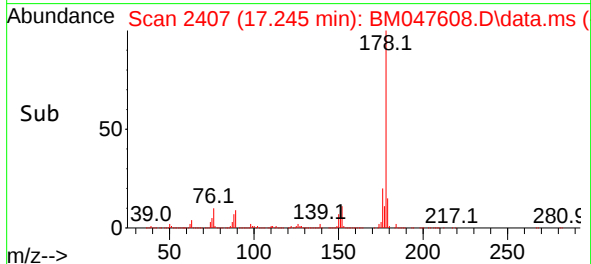
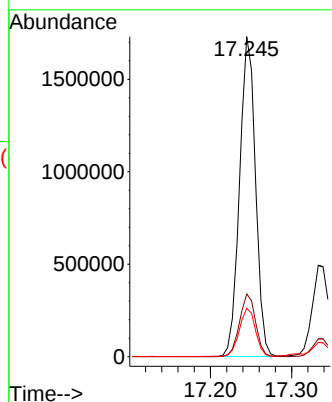
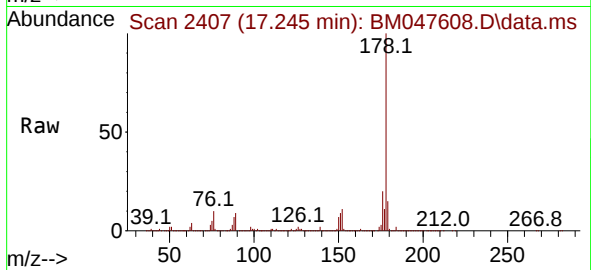
Tgt Ion:178 Resp: 2358215

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.8

179 15.1 12.2 18.2



#72

Anthracene

Concen: 9.178 ng

RT: 17.333 min Scan# 2422

Delta R.T. -0.012 min

Lab File: BM047608.D

Acq: 23 Sep 2024 17:42

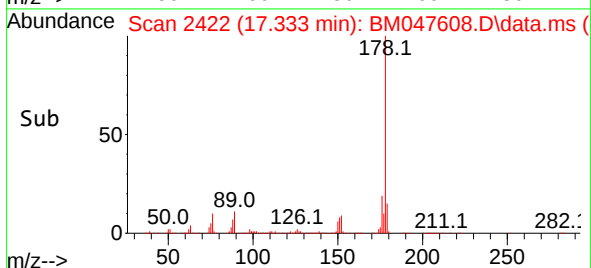
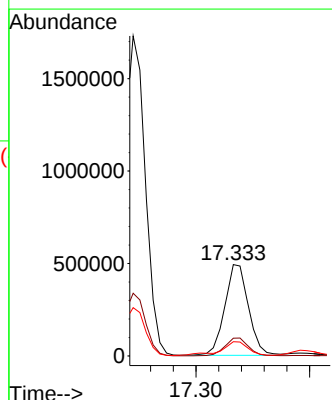
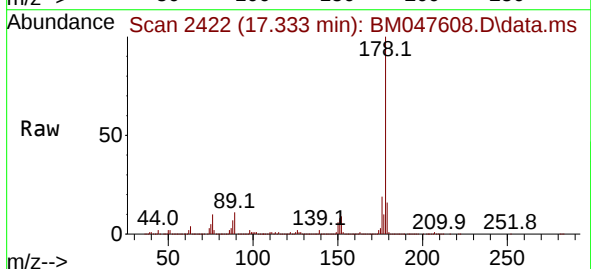
Tgt Ion:178 Resp: 710566

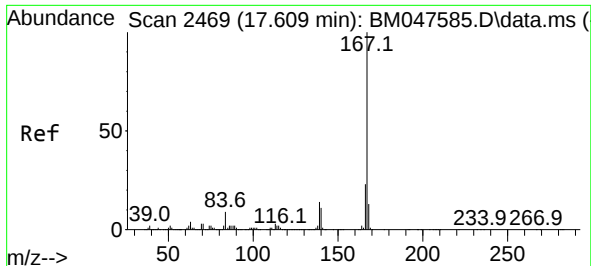
Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.2

179 15.6 12.2 18.2

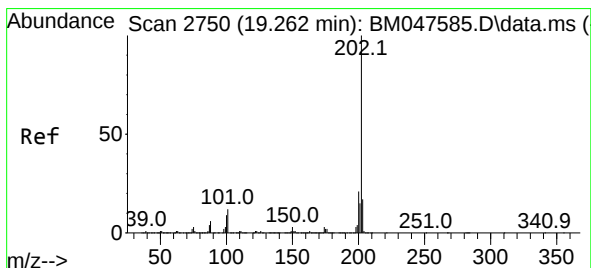
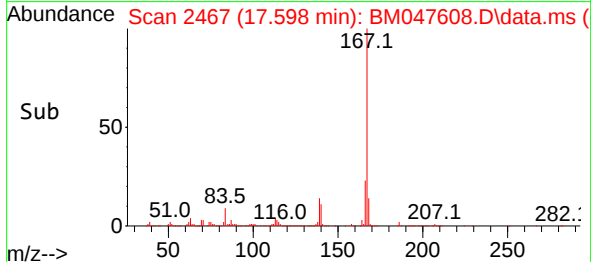
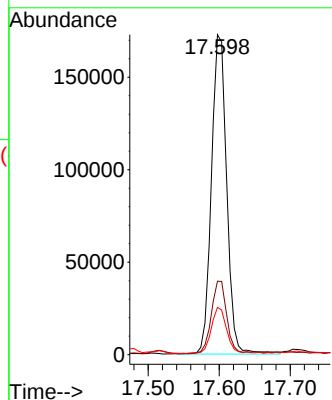
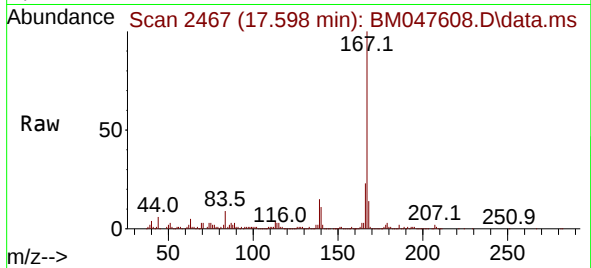




#73
 Carbazole
 Concen: 3.192 ng
 RT: 17.598 min Scan# 2467
 Delta R.T. -0.012 min
 Lab File: BM047608.D
 Acq: 23 Sep 2024 17:42

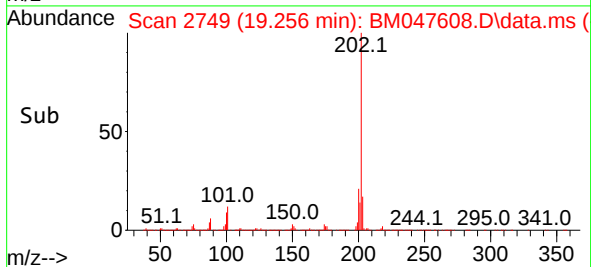
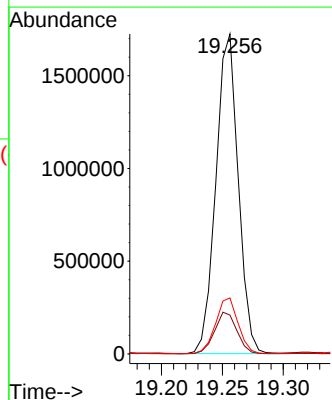
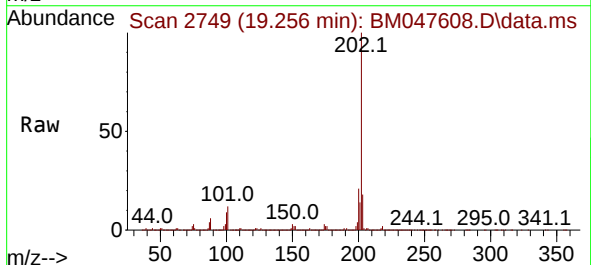
Instrument :
 BNA_M
 ClientSampleId :
 OR-02-09202024

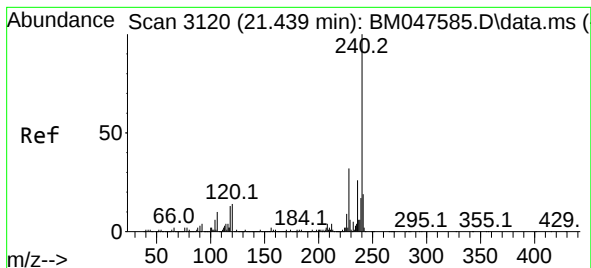
Tgt Ion:167 Resp: 257466
 Ion Ratio Lower Upper
 167 100
 166 22.9 18.0 27.0
 139 14.8 11.3 16.9



#75
 Fluoranthene
 Concen: 24.501 ng
 RT: 19.256 min Scan# 2749
 Delta R.T. -0.006 min
 Lab File: BM047608.D
 Acq: 23 Sep 2024 17:42

Tgt Ion:202 Resp: 2203734
 Ion Ratio Lower Upper
 202 100
 101 12.2 0.0 32.2
 203 17.5 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.427 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM047608.D

Acq: 23 Sep 2024 17:42

Instrument :

BNA_M

ClientSampleId :

OR-02-09202024

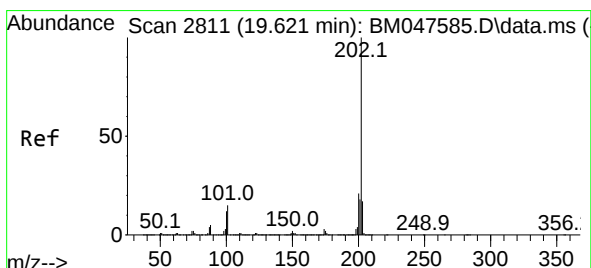
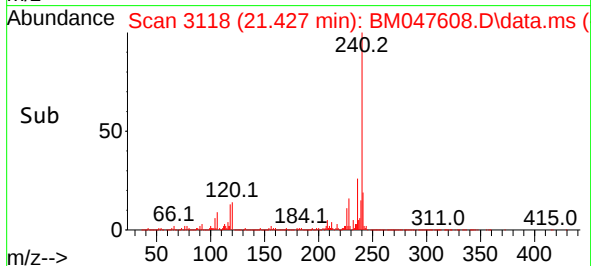
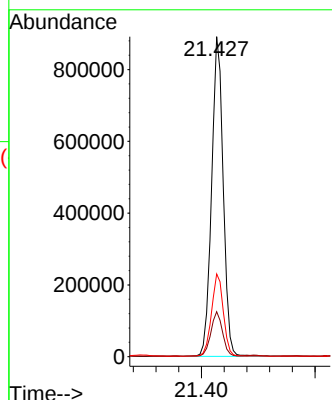
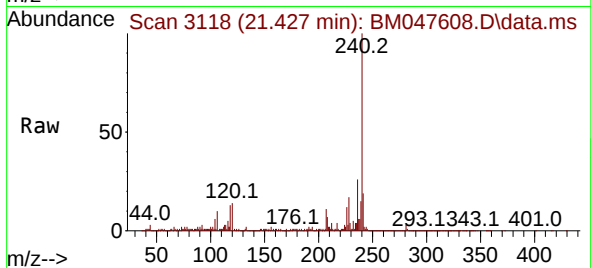
Tgt Ion:240 Resp: 1253488

Ion Ratio Lower Upper

240 100

120 14.0 10.8 16.2

236 25.8 20.8 31.2



#78

Pyrene

Concen: 25.021 ng

RT: 19.615 min Scan# 2810

Delta R.T. -0.006 min

Lab File: BM047608.D

Acq: 23 Sep 2024 17:42

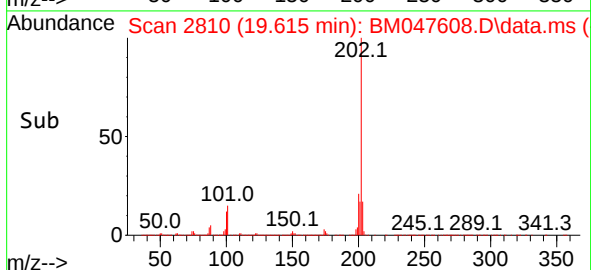
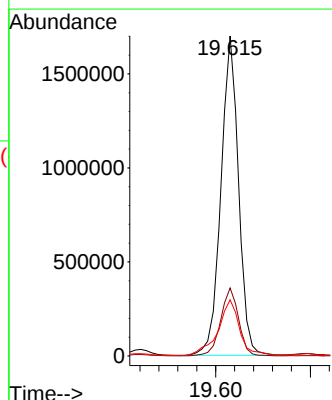
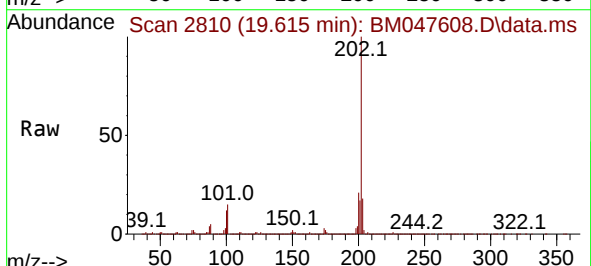
Tgt Ion:202 Resp: 2195126

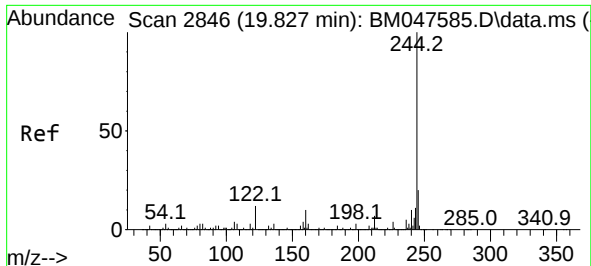
Ion Ratio Lower Upper

202 100

200 21.3 17.2 25.8

203 17.6 13.8 20.8

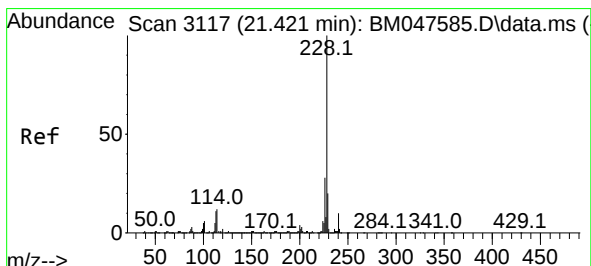
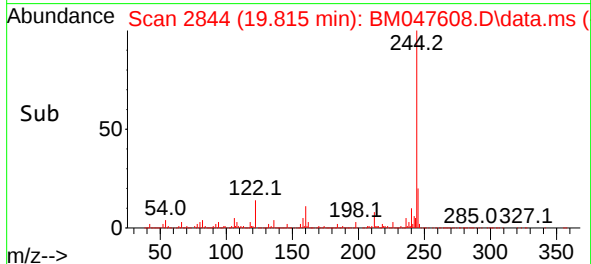
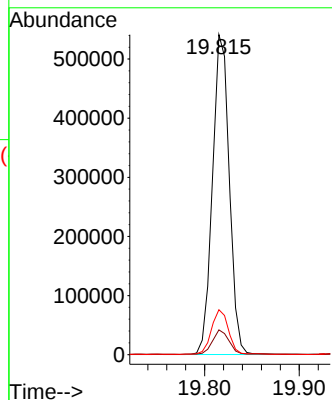
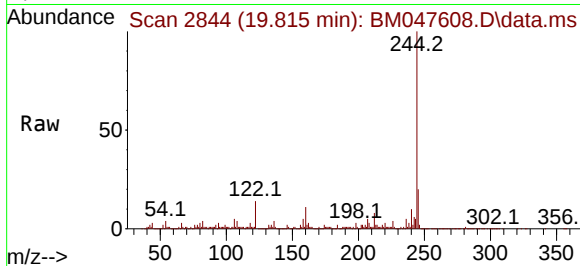




#79
 Terphenyl-d14
 Concen: 9.531 ng
 RT: 19.815 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM047608.D
 Acq: 23 Sep 2024 17:42

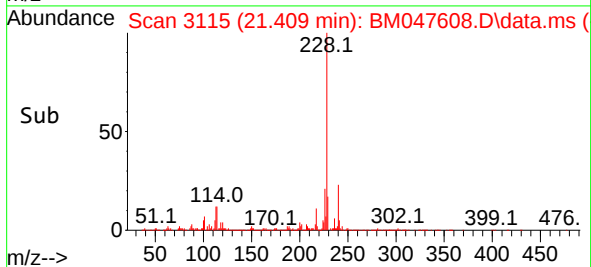
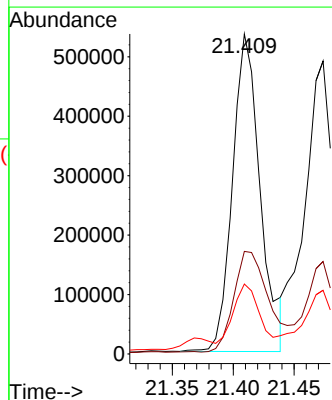
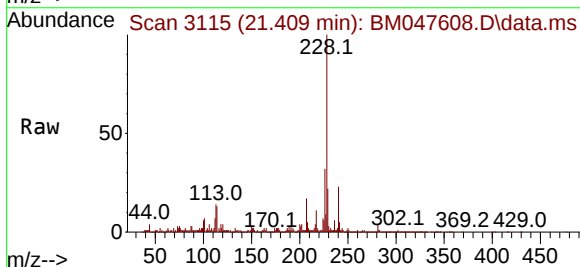
Instrument :
 BNA_M
 ClientSampleId :
 OR-02-09202024

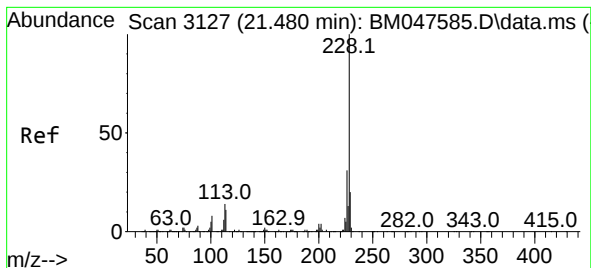
Tgt Ion:244 Resp: 665829
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.0 9.0
 122 14.0 10.0 15.0



#81
 Benzo(a)anthracene
 Concen: 10.248 ng
 RT: 21.409 min Scan# 3115
 Delta R.T. -0.012 min
 Lab File: BM047608.D
 Acq: 23 Sep 2024 17:42

Tgt Ion:228 Resp: 844617
 Ion Ratio Lower Upper
 228 100
 226 32.0 22.4 33.6
 229 21.8 16.0 24.0





#83

Chrysene

Concen: 10.270 ng

RT: 21.474 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM047608.D

Acq: 23 Sep 2024 17:42

Instrument :

BNA_M

ClientSampleId :

OR-02-09202024

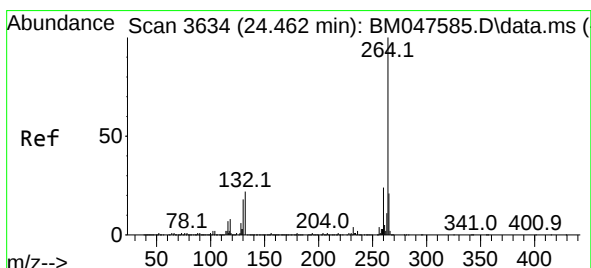
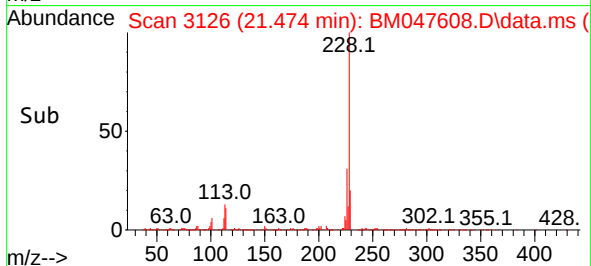
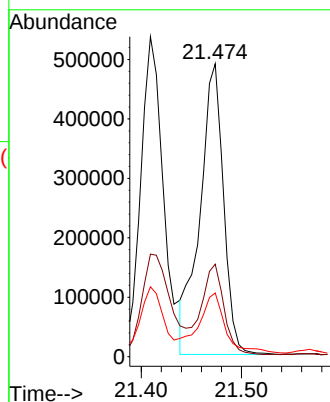
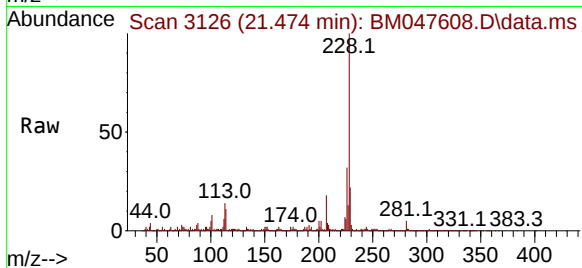
Tgt Ion:228 Resp: 804986

Ion Ratio Lower Upper

228 100

226 31.6 24.9 37.3

229 21.7 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.450 min Scan# 3632

Delta R.T. -0.012 min

Lab File: BM047608.D

Acq: 23 Sep 2024 17:42

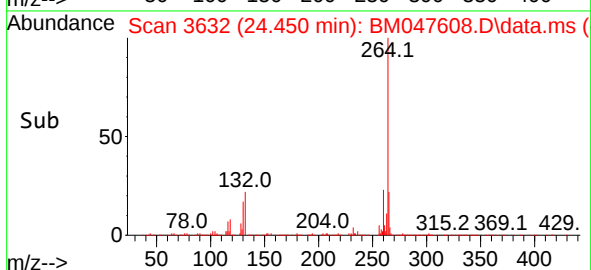
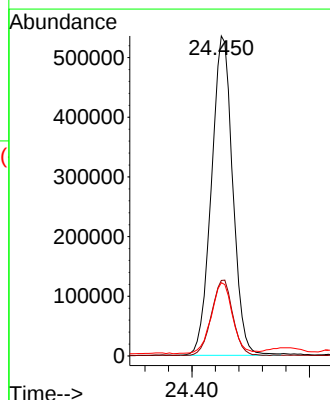
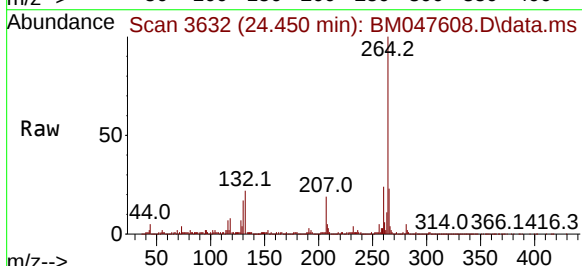
Tgt Ion:264 Resp: 1345250

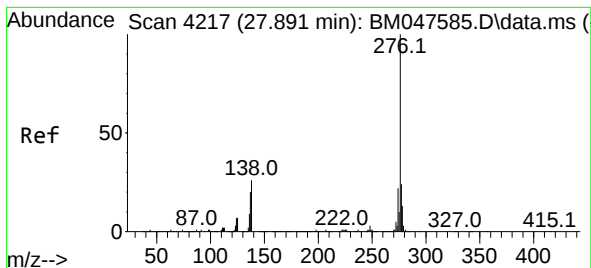
Ion Ratio Lower Upper

264 100

260 23.6 18.9 28.3

265 22.9 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.851 ng

RT: 27.856 min Scan# 41

Delta R.T. -0.035 min

Lab File: BM047608.D

Acq: 23 Sep 2024 17:42

Instrument :

BNA_M

ClientSampleId :

OR-02-09202024

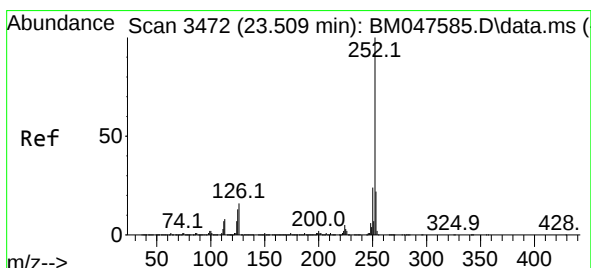
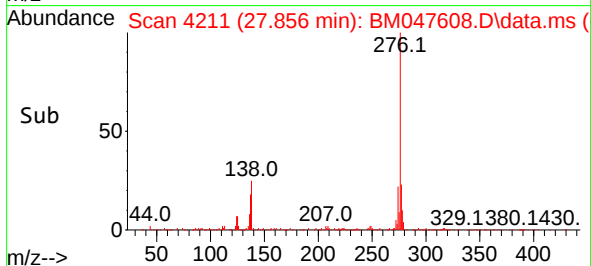
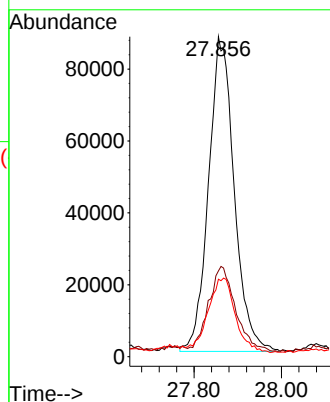
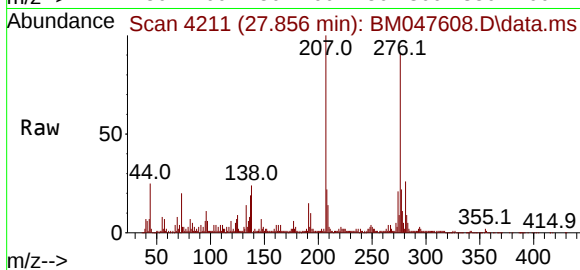
Tgt Ion:276 Resp: 356195

Ion Ratio Lower Upper

276 100

138 28.4 18.1 27.1#

277 25.4 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 8.830 ng

RT: 23.497 min Scan# 3470

Delta R.T. -0.012 min

Lab File: BM047608.D

Acq: 23 Sep 2024 17:42

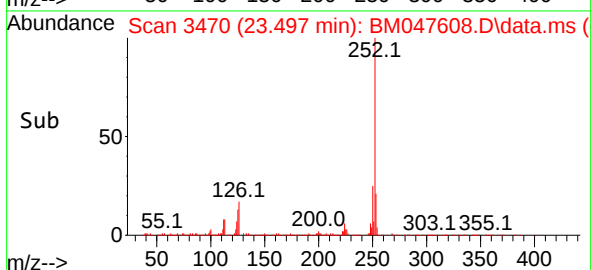
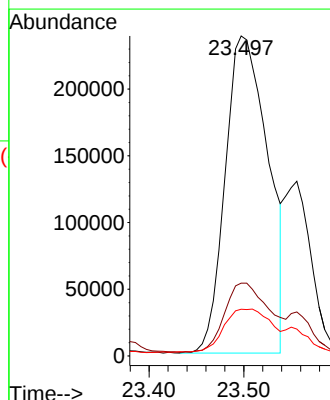
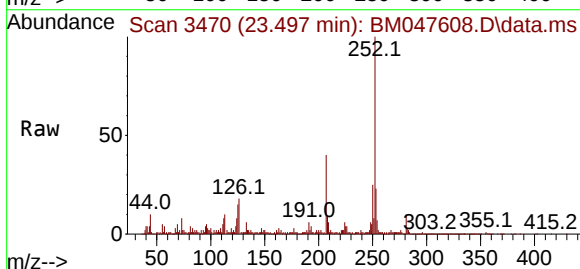
Tgt Ion:252 Resp: 746546

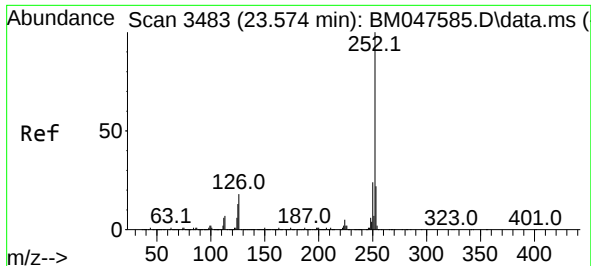
Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

125 14.6 10.2 15.2

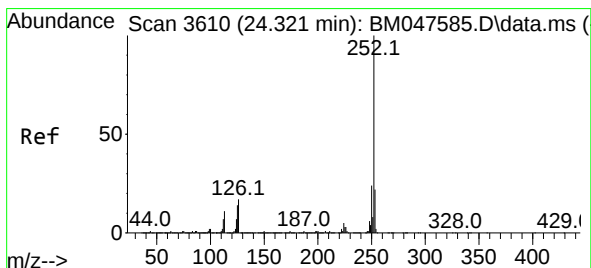
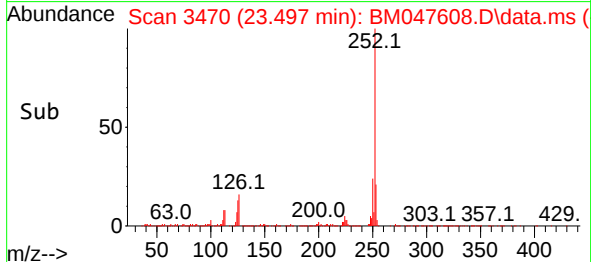
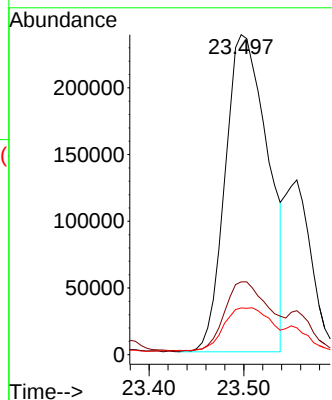
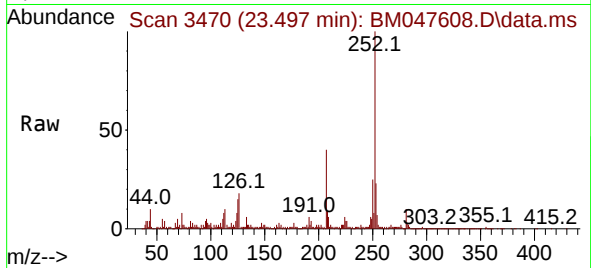




#89
Benzo(k)fluoranthene
Concen: 8.995 ng
RT: 23.497 min Scan# 34
Delta R.T. -0.076 min
Lab File: BM047608.D
Acq: 23 Sep 2024 17:42

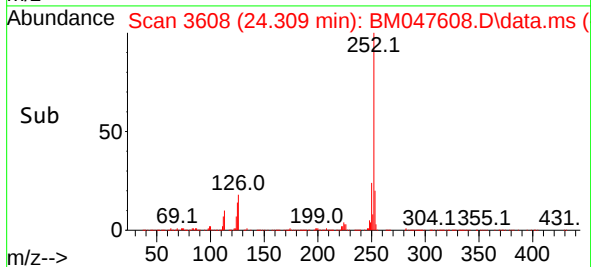
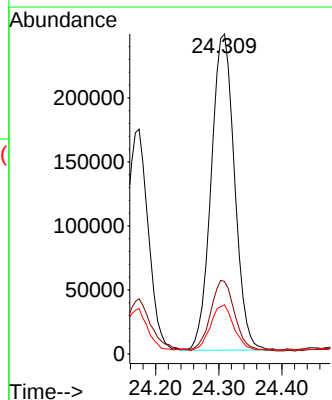
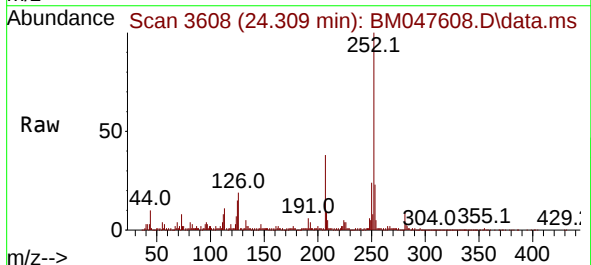
Instrument :
BNA_M
ClientSampleId :
OR-02-09202024

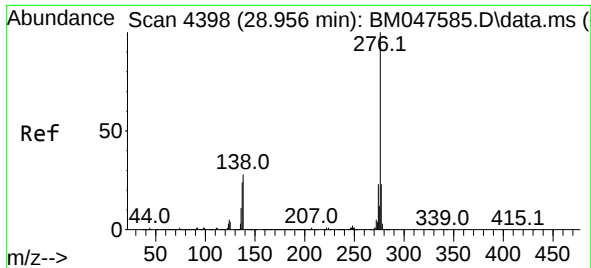
Tgt Ion:252 Resp: 746546
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 14.6 10.2 15.4



#90
Benzo(a)pyrene
Concen: 8.831 ng
RT: 24.309 min Scan# 3608
Delta R.T. -0.012 min
Lab File: BM047608.D
Acq: 23 Sep 2024 17:42

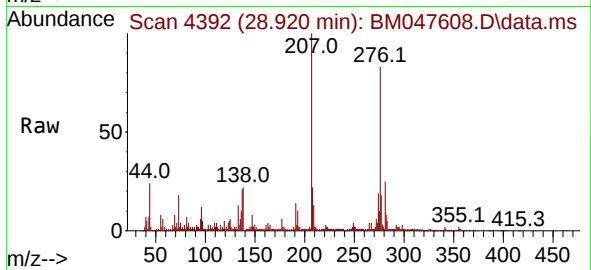
Tgt Ion:252 Resp: 633030
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.0
125 15.4 11.5 17.3





#92
Benzo(g,h,i)perylene
Concen: 4.996 ng
RT: 28.920 min Scan# 41
Delta R.T. -0.035 min
Lab File: BM047608.D
Acq: 23 Sep 2024 17:42

Instrument :
BNA_M
ClientSampleId :
OR-02-09202024



Tgt Ion:276 Resp: 386909
Ion Ratio Lower Upper
276 100
277 21.4 18.3 27.5
138 26.5 22.3 33.5

