

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032924\
 Data File : BM044817.D
 Acq On : 29 Mar 2024 15:01
 Operator : MA/JU
 Sample : P1879-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EB-02(2-4)

Quant Time: Mar 29 15:33:41 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 29 01:24:21 2024
 Response via : Initial Calibration

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

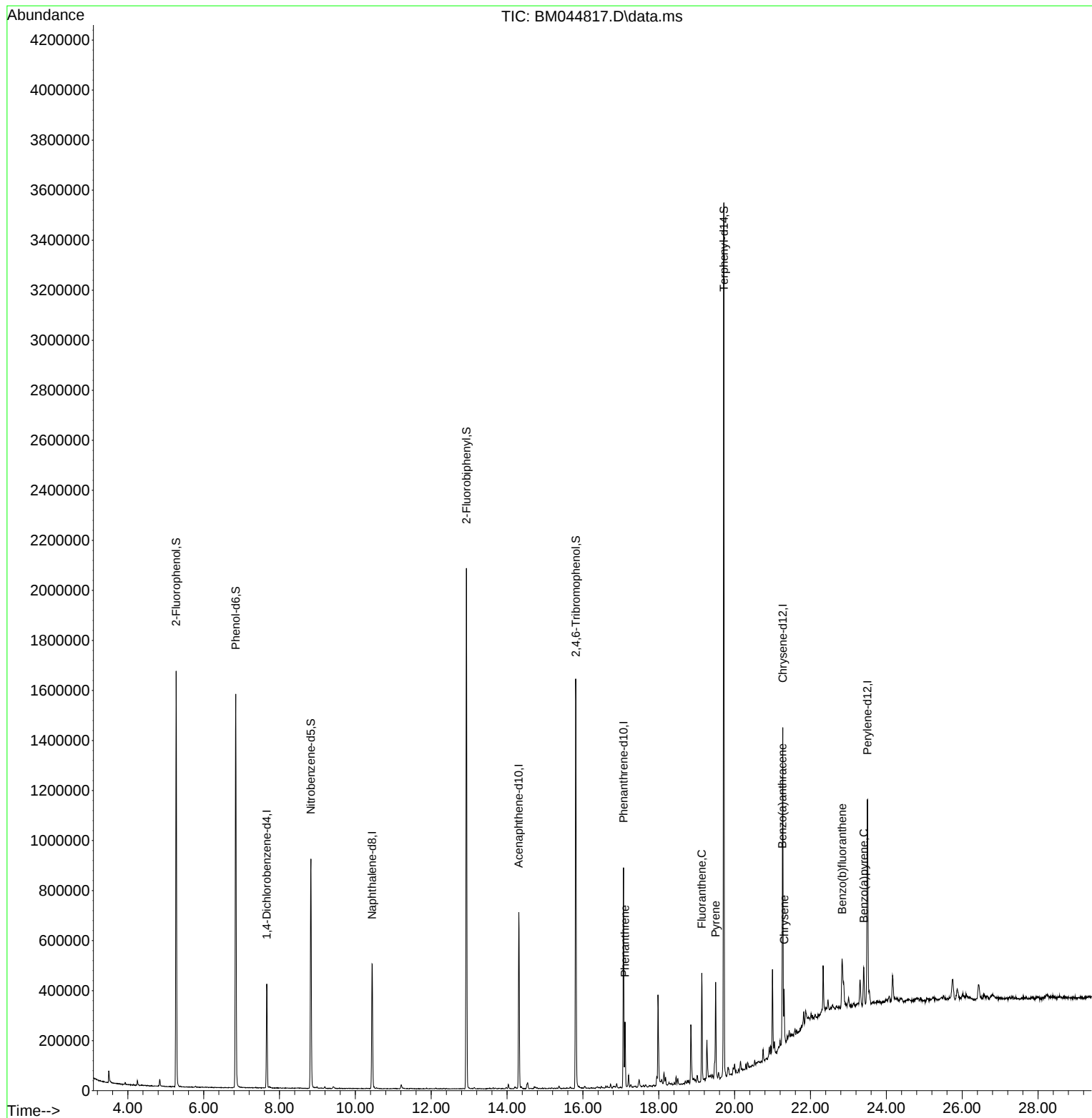
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.663	152	105630	20.000	ng	-0.01
21) Naphthalene-d8	10.439	136	410736	20.000	ng	-0.02
39) Acenaphthene-d10	14.310	164	237420	20.000	ng	-0.01
64) Phenanthrene-d10	17.068	188	489323	20.000	ng	-0.01
76) Chrysene-d12	21.268	240	487248	20.000	ng	-0.01
86) Perylene-d12	23.503	264	579381	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.275	112	640700	86.870	ng	-0.01
7) Phenol-d6	6.846	99	834006	87.177	ng	-0.01
23) Nitrobenzene-d5	8.828	82	510771	56.059	ng	-0.01
42) 2,4,6-Tribromophenol	15.816	330	266158	102.589	ng	0.00
45) 2-Fluorobiphenyl	12.928	172	998670	53.874	ng	-0.01
79) Terphenyl-d14	19.715	244	1578444	54.900	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.110	178	148235	5.430	ng	99
75) Fluoranthene	19.133	202	235017	8.625	ng	99
78) Pyrene	19.498	202	213816	5.507	ng	99
81) Benzo(a)anthracene	21.256	228	118020	3.475	ng	96
83) Chrysene	21.303	228	112946	3.470	ng	97
88) Benzo(b)fluoranthene	22.833	252	150224	4.576	ng	# 96
90) Benzo(a)pyrene	23.403	252	103444	3.105	ng	98

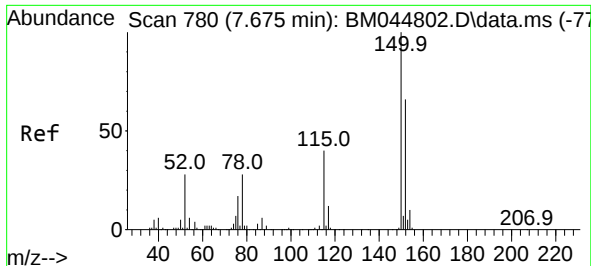
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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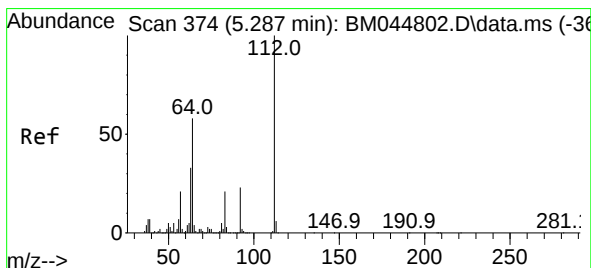
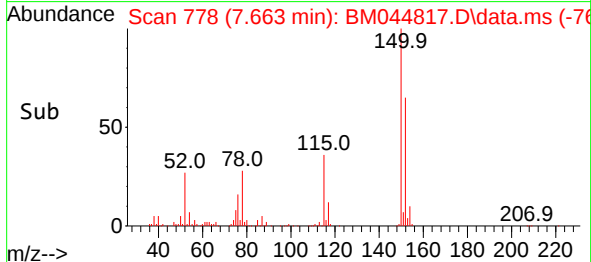
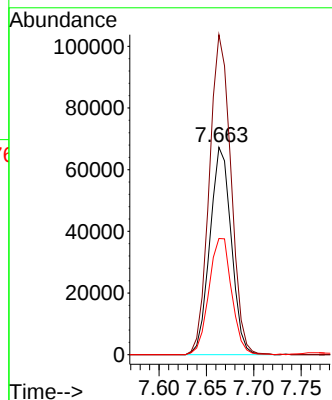
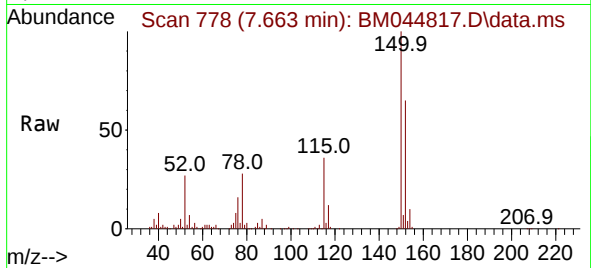




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.663 min Scan# 71
Delta R.T. -0.012 min
Lab File: BM044817.D
Acq: 29 Mar 2024 15:01

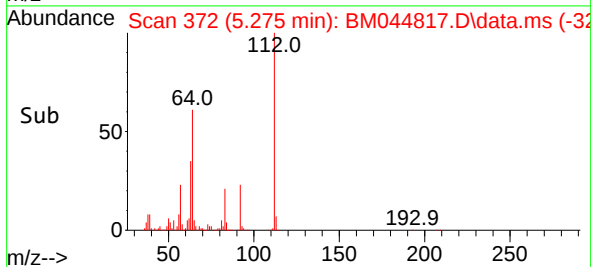
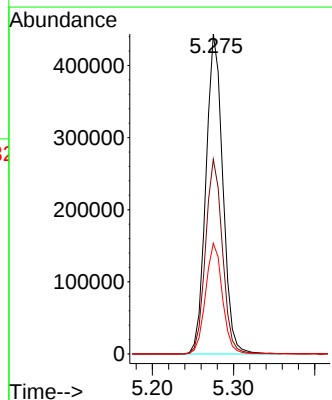
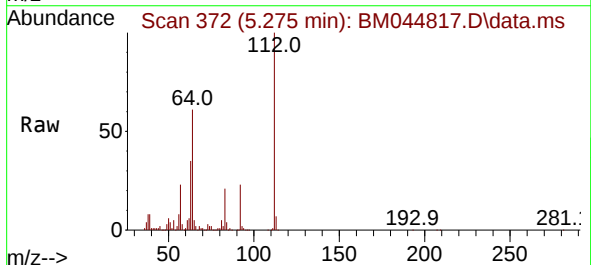
Instrument :
BNA_M
ClientSampleId :
EB-02(2-4)

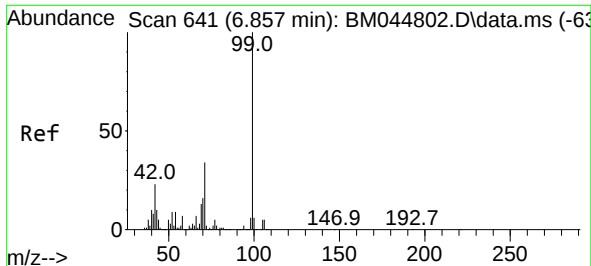
Tgt Ion:152 Resp: 105630
Ion Ratio Lower Upper
152 100
150 154.3 121.0 181.6
115 56.0 48.3 72.5



#5
2-Fluorophenol
Concen: 86.870 ng
RT: 5.275 min Scan# 372
Delta R.T. -0.012 min
Lab File: BM044817.D
Acq: 29 Mar 2024 15:01

Tgt Ion:112 Resp: 640700
Ion Ratio Lower Upper
112 100
64 60.9 46.4 69.6
63 34.6 26.2 39.4

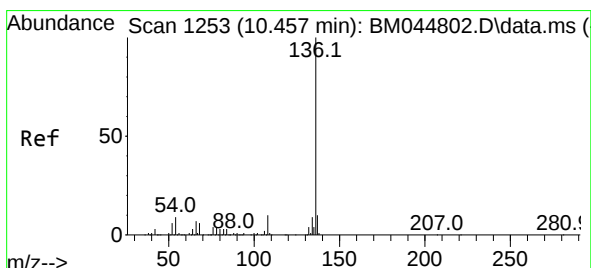
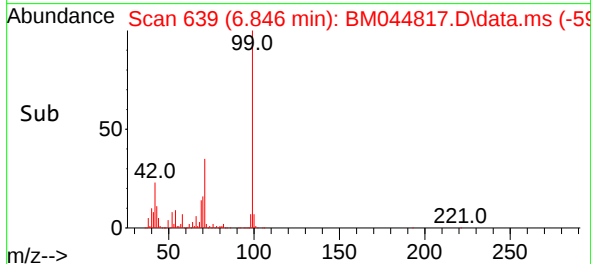
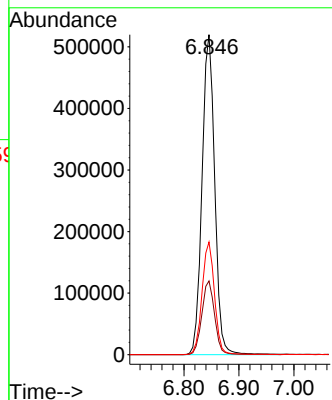
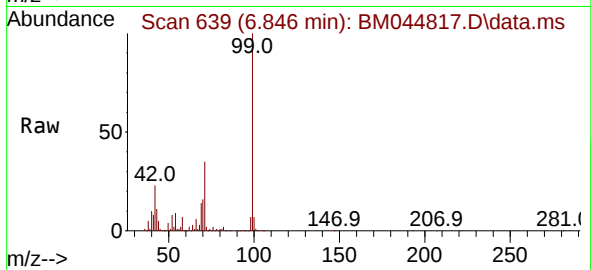




#7
Phenol-d6
Concen: 87.177 ng
RT: 6.846 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM044817.D
Acq: 29 Mar 2024 15:01

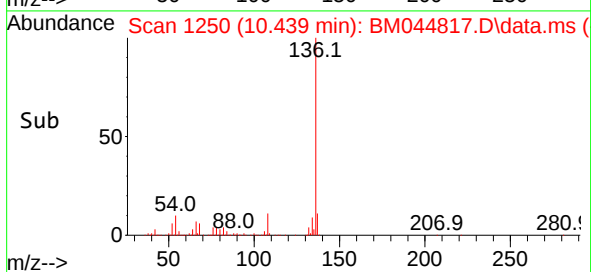
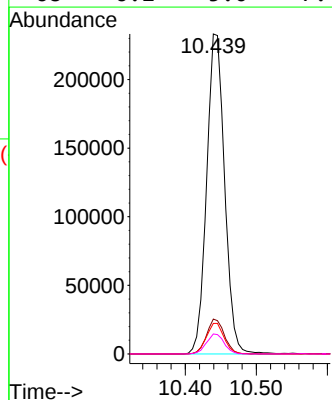
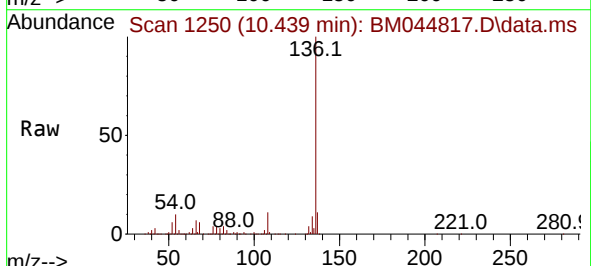
Instrument :
BNA_M
ClientSampleId :
EB-02(2-4)

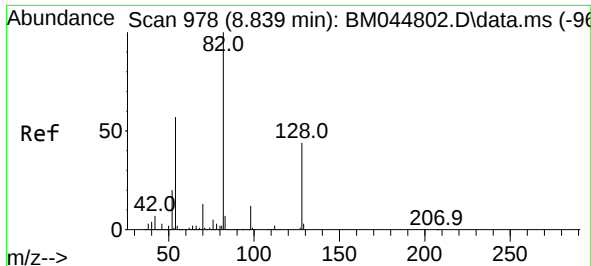
Tgt Ion: 99 Resp: 834006
Ion Ratio Lower Upper
99 100
42 23.0 18.2 27.4
71 35.2 27.3 40.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.439 min Scan# 1250
Delta R.T. -0.017 min
Lab File: BM044817.D
Acq: 29 Mar 2024 15:01

Tgt Ion: 136 Resp: 410736
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 9.5 7.3 10.9
68 6.2 5.0 7.4





#23

Nitrobenzene-d5

Concen: 56.059 ng

RT: 8.828 min Scan# 91

Delta R.T. -0.012 min

Lab File: BM044817.D

Acq: 29 Mar 2024 15:01

Instrument :

BNA_M

ClientSampleId :

EB-02(2-4)

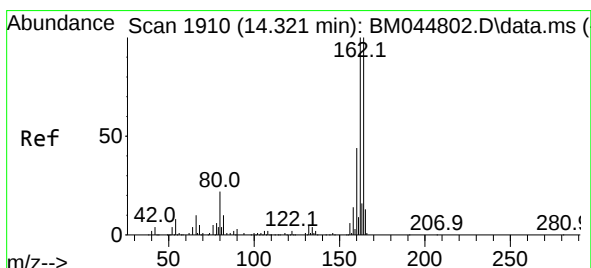
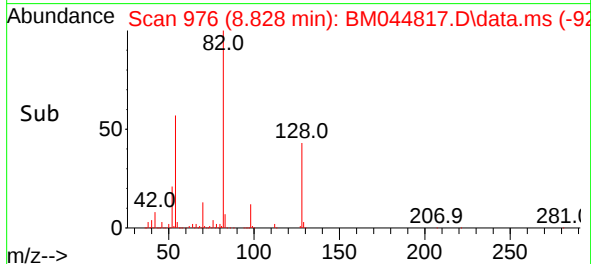
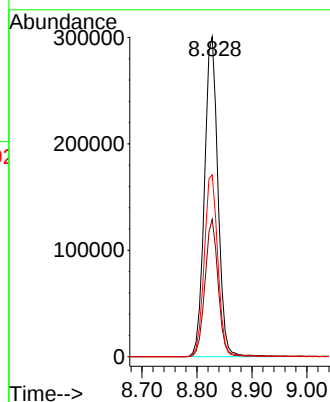
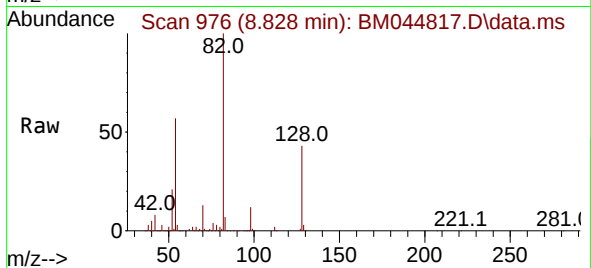
Tgt Ion: 82 Resp: 510771

Ion Ratio Lower Upper

82 100

128 42.9 34.8 52.2

54 56.9 45.4 68.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.310 min Scan# 1908

Delta R.T. -0.012 min

Lab File: BM044817.D

Acq: 29 Mar 2024 15:01

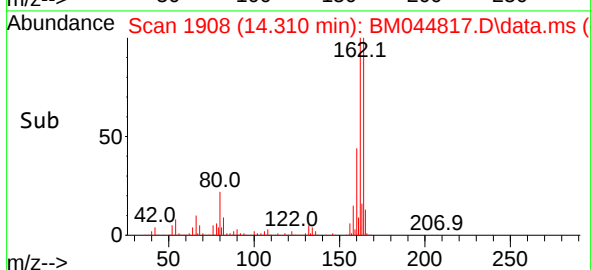
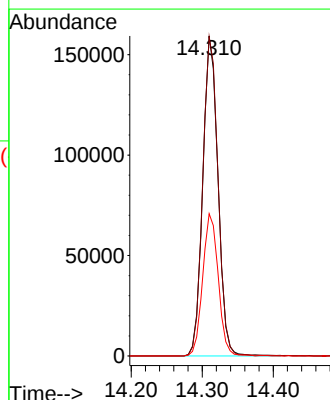
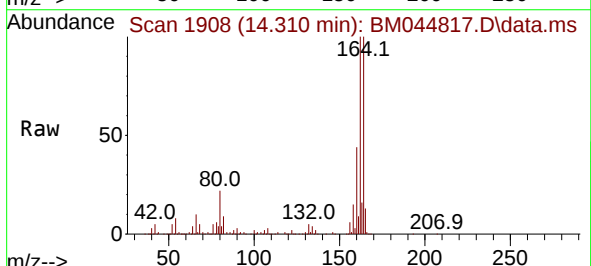
Tgt Ion: 164 Resp: 237420

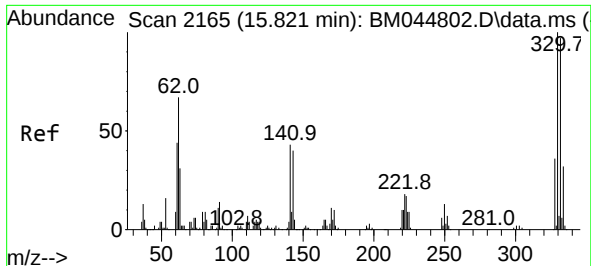
Ion Ratio Lower Upper

164 100

162 99.8 80.2 120.4

160 44.5 35.4 53.2

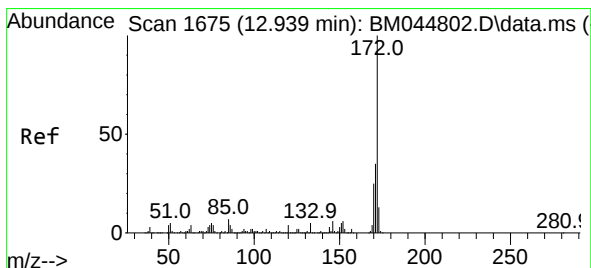
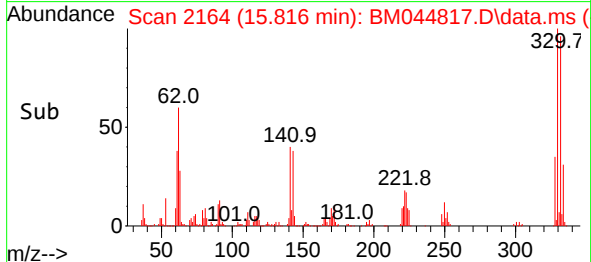
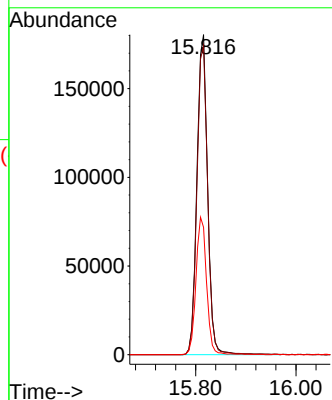
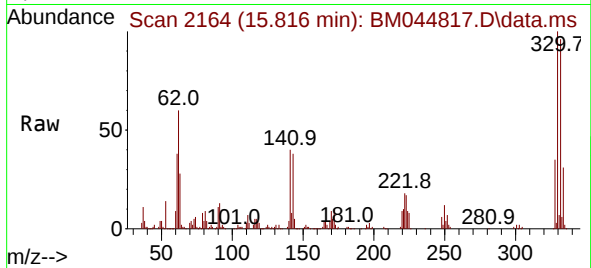




#42
2,4,6-Tribromophenol
Concen: 102.589 ng
RT: 15.816 min Scan# 2164
Delta R.T. -0.006 min
Lab File: BM044817.D
Acq: 29 Mar 2024 15:01

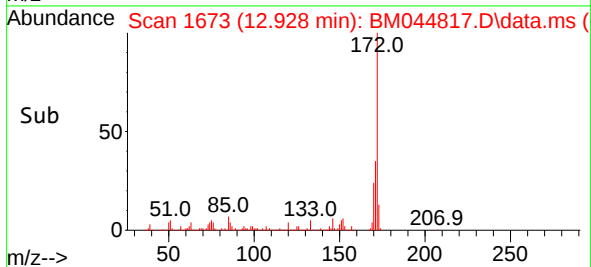
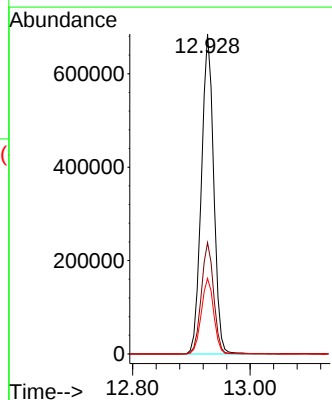
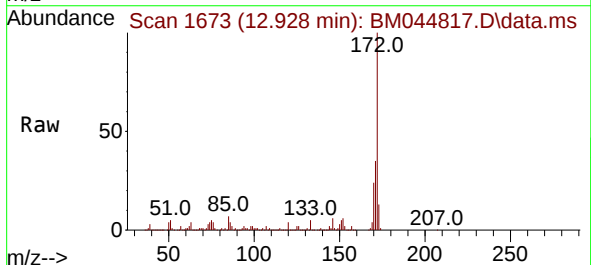
Instrument :
BNA_M
ClientSampleId :
EB-02(2-4)

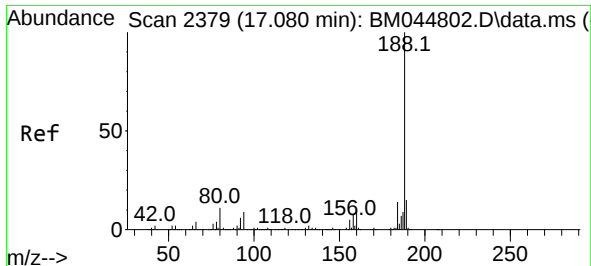
Tgt Ion:330 Resp: 266158
Ion Ratio Lower Upper
330 100
332 96.7 77.0 115.4
141 42.7 34.1 51.1



#45
2-Fluorobiphenyl
Concen: 53.874 ng
RT: 12.928 min Scan# 1673
Delta R.T. -0.012 min
Lab File: BM044817.D
Acq: 29 Mar 2024 15:01

Tgt Ion:172 Resp: 998670
Ion Ratio Lower Upper
172 100
171 34.8 27.8 41.8
170 23.6 19.8 29.6

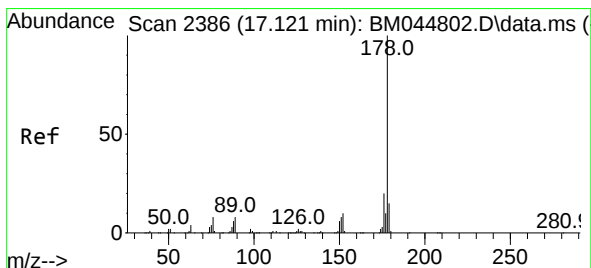
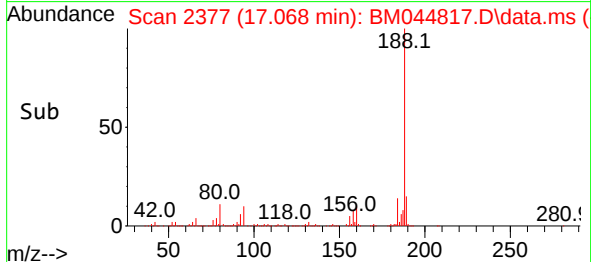
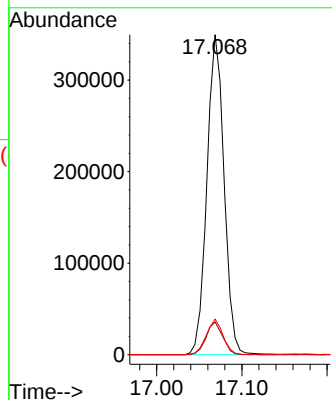
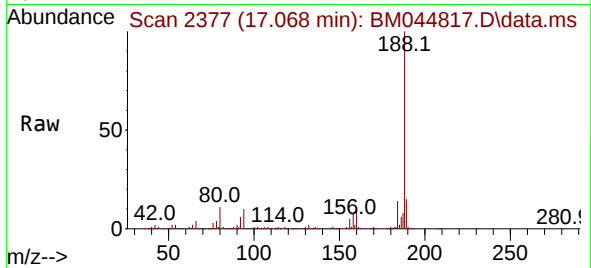




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.068 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM044817.D
Acq: 29 Mar 2024 15:01

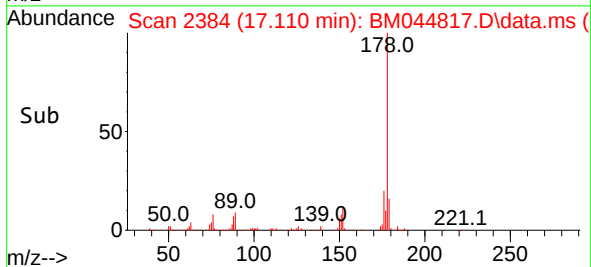
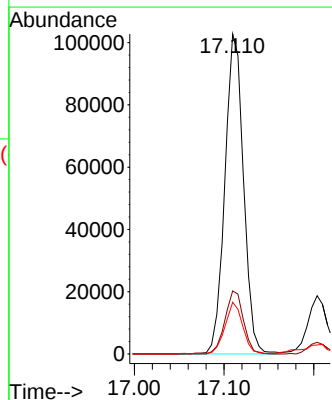
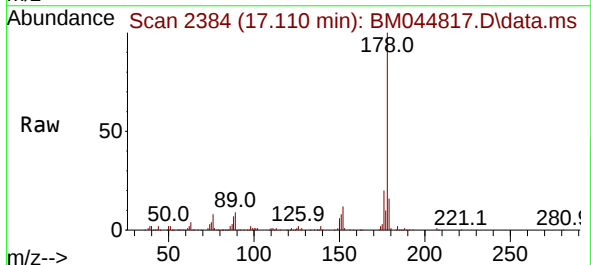
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ClientSampleId :
EB-02(2-4)

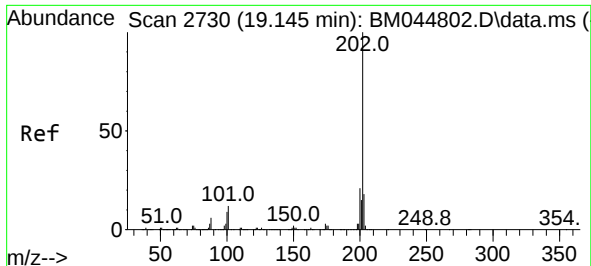
Tgt Ion:188 Resp: 489323
Ion Ratio Lower Upper
188 100
94 10.2 7.4 11.0
80 11.1 8.6 12.8



#71
Phenanthrene
Concen: 5.430 ng
RT: 17.110 min Scan# 2384
Delta R.T. -0.012 min
Lab File: BM044817.D
Acq: 29 Mar 2024 15:01

Tgt Ion:178 Resp: 148235
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 16.2 12.2 18.2

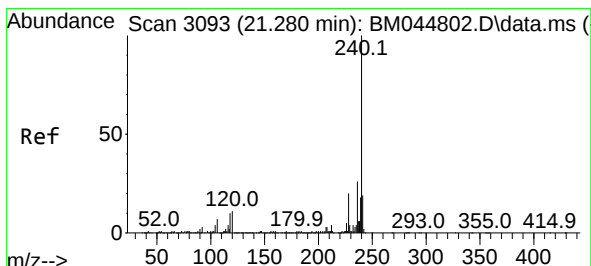
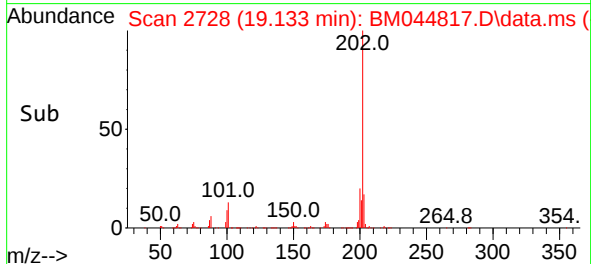
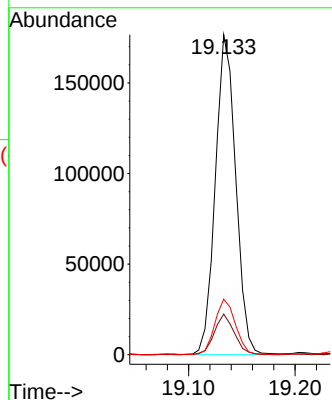
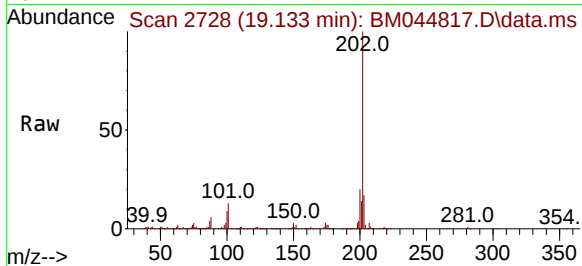




#75
Fluoranthene
Concen: 8.625 ng
RT: 19.133 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM044817.D
Acq: 29 Mar 2024 15:01

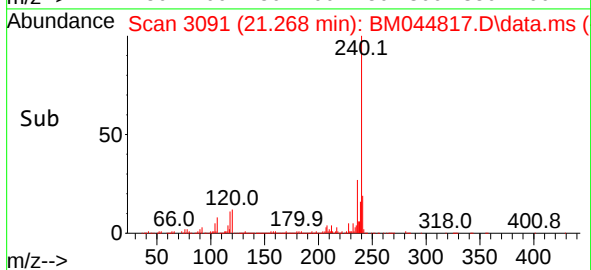
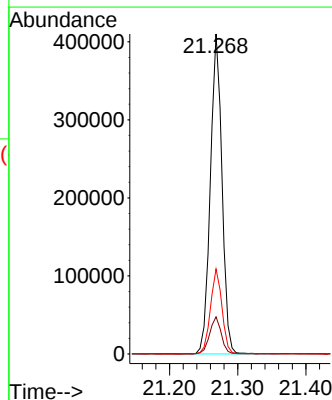
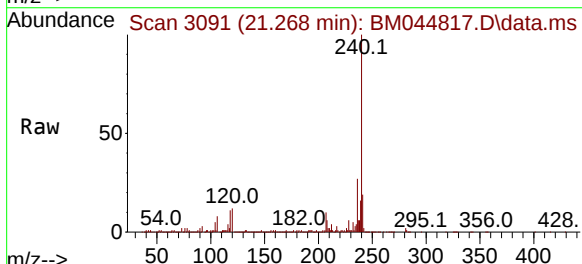
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EB-02(2-4)

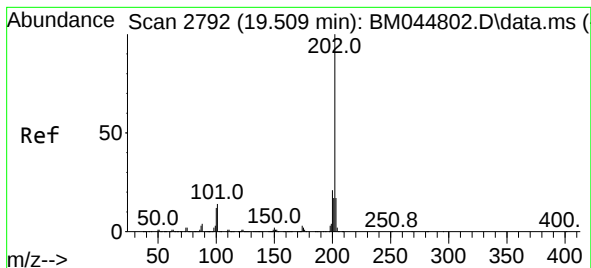
Tgt Ion:202 Resp: 235017
Ion Ratio Lower Upper
202 100
101 12.7 0.0 32.2
203 17.4 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.268 min Scan# 3091
Delta R.T. -0.012 min
Lab File: BM044817.D
Acq: 29 Mar 2024 15:01

Tgt Ion:240 Resp: 487248
Ion Ratio Lower Upper
240 100
120 11.6 8.6 12.8
236 26.5 20.8 31.2





#78

Pyrene

Concen: 5.507 ng

RT: 19.498 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM044817.D

Acq: 29 Mar 2024 15:01

Instrument :

BNA_M

ClientSampleId :

EB-02(2-4)

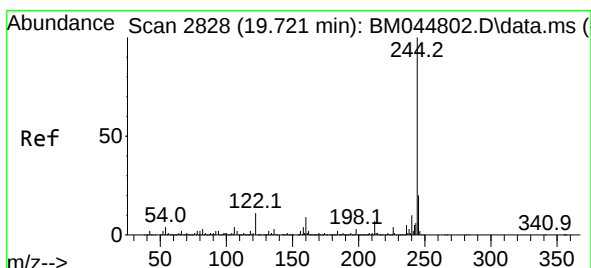
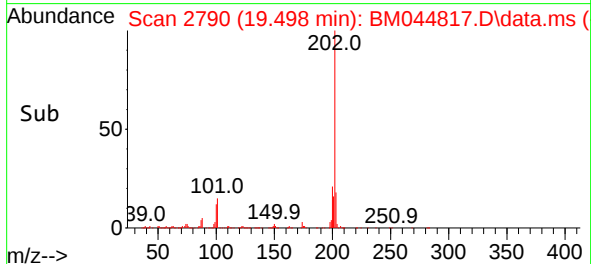
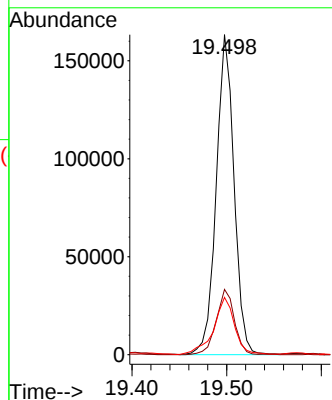
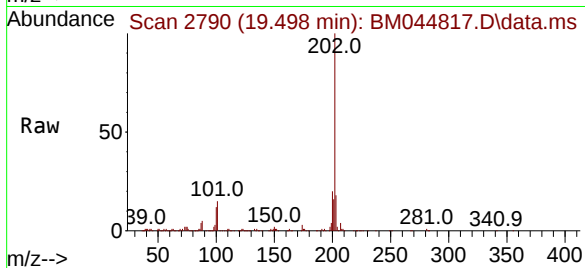
Tgt Ion:202 Resp: 213816

Ion Ratio Lower Upper

202 100

200 20.4 17.0 25.4

203 17.9 13.9 20.9



#79

Terphenyl-d14

Concen: 54.900 ng

RT: 19.715 min Scan# 2827

Delta R.T. -0.006 min

Lab File: BM044817.D

Acq: 29 Mar 2024 15:01

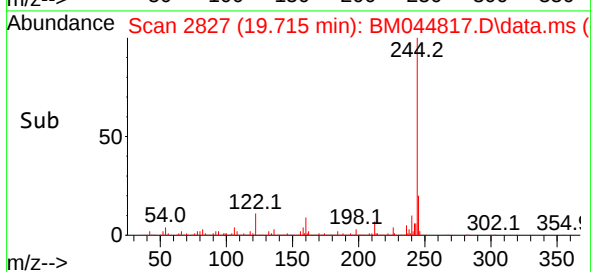
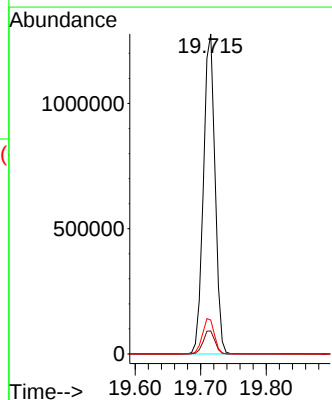
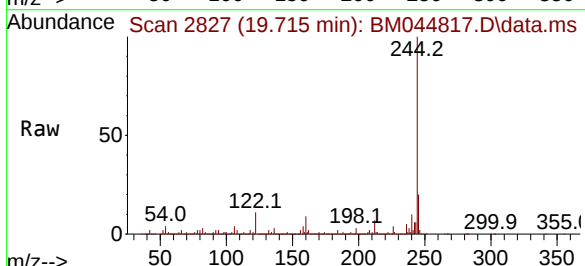
Tgt Ion:244 Resp: 1578444

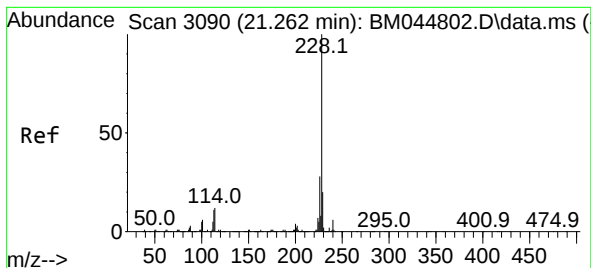
Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

122 10.6 8.8 13.2





#81

Benzo(a)anthracene

Concen: 3.475 ng

RT: 21.256 min Scan# 3089

Delta R.T. -0.006 min

Lab File: BM044817.D

Acq: 29 Mar 2024 15:01

Instrument :

BNA_M

ClientSampleId :

EB-02(2-4)

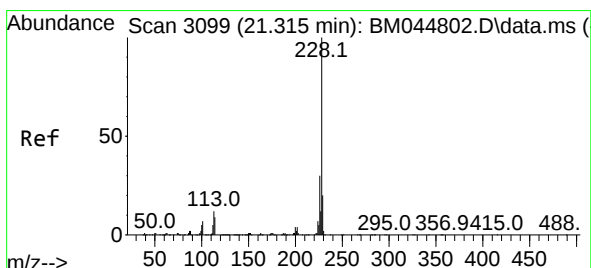
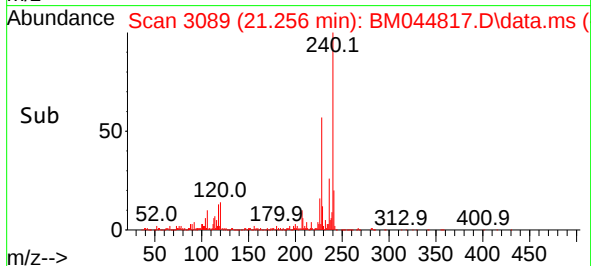
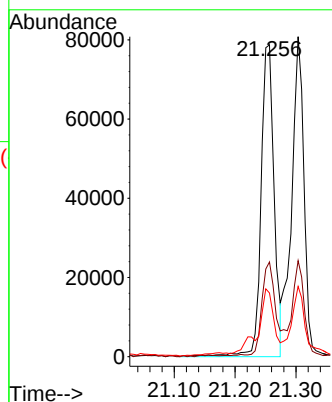
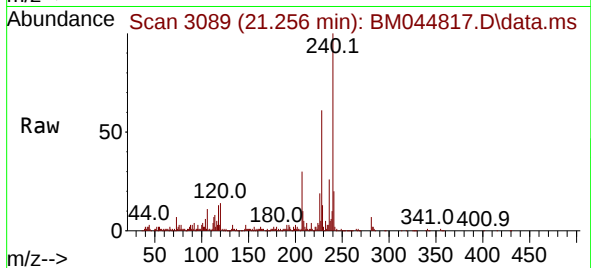
Tgt Ion:228 Resp: 118020

Ion Ratio Lower Upper

228 100

226 30.4 22.1 33.1

229 20.4 15.8 23.8



#83

Chrysene

Concen: 3.470 ng

RT: 21.303 min Scan# 3097

Delta R.T. -0.012 min

Lab File: BM044817.D

Acq: 29 Mar 2024 15:01

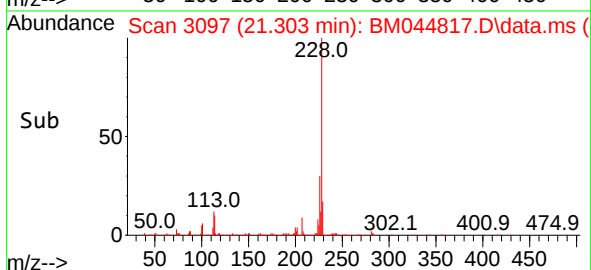
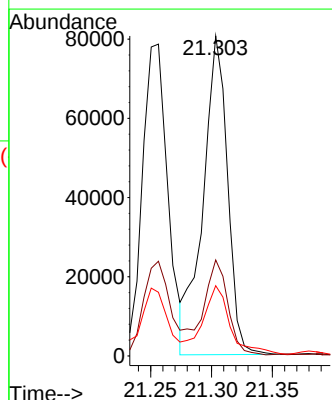
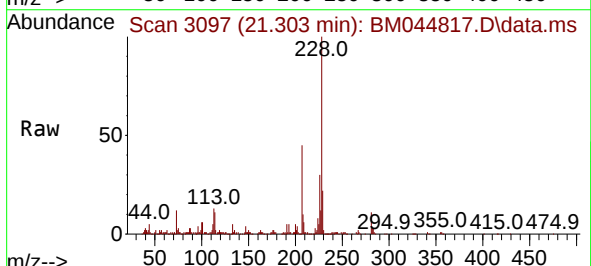
Tgt Ion:228 Resp: 112946

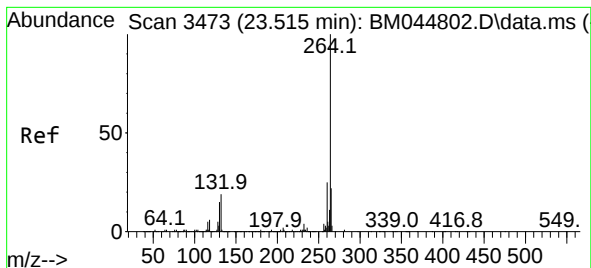
Ion Ratio Lower Upper

228 100

226 30.0 23.7 35.5

229 22.0 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.503 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM044817.D

Acq: 29 Mar 2024 15:01

Instrument :

BNA_M

ClientSampleId :

EB-02(2-4)

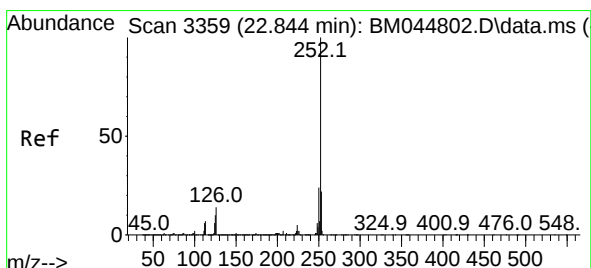
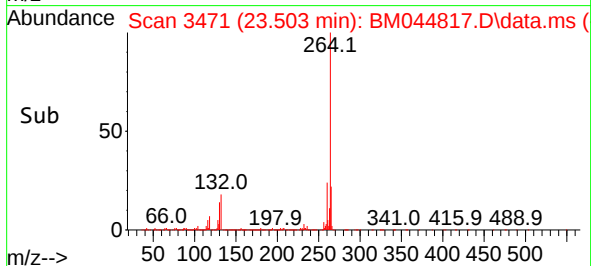
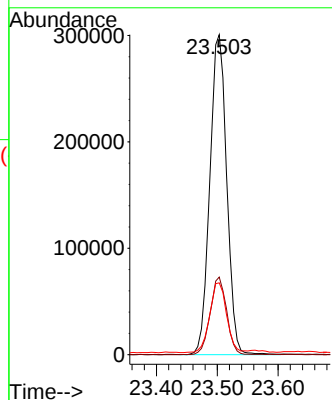
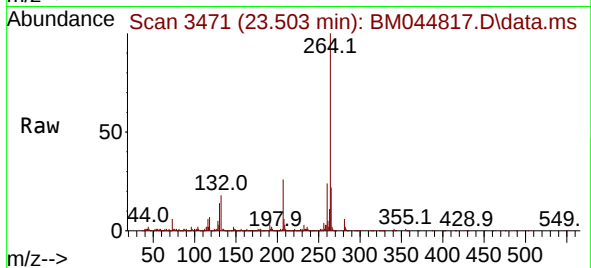
Tgt Ion:264 Resp: 579381

Ion Ratio Lower Upper

264 100

260 24.2 19.7 29.5

265 22.5 18.9 28.3



#88

Benzo(b)fluoranthene

Concen: 4.576 ng

RT: 22.833 min Scan# 3357

Delta R.T. -0.012 min

Lab File: BM044817.D

Acq: 29 Mar 2024 15:01

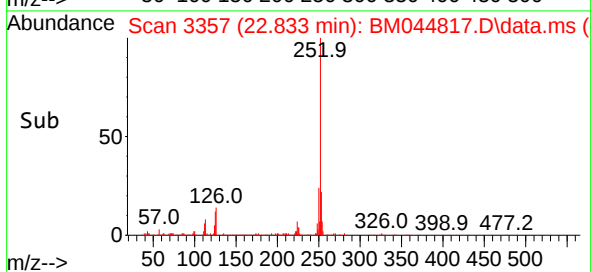
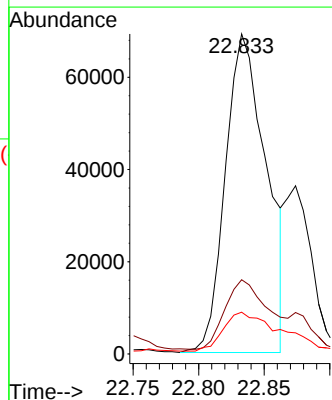
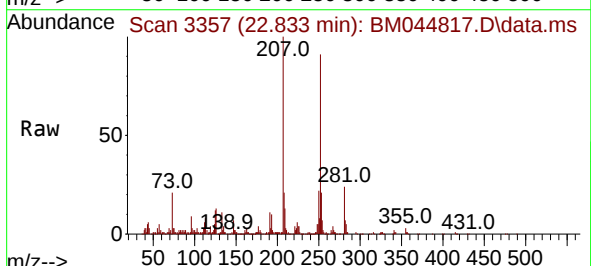
Tgt Ion:252 Resp: 150224

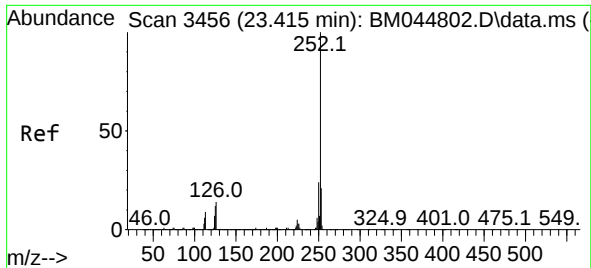
Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

125 13.1 8.6 12.8#





#90
 Benzo(a)pyrene
 Concen: 3.105 ng
 RT: 23.403 min Scan# 34
 Delta R.T. -0.012 min
 Lab File: BM044817.D
 Acq: 29 Mar 2024 15:01

Instrument :
 BNA_M
 ClientSampleId :
 EB-02(2-4)

Tgt Ion:252 Resp: 103444
 Ion Ratio Lower Upper
 252 100
 253 22.1 17.3 25.9
 125 13.6 9.8 14.8

