

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 :

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)

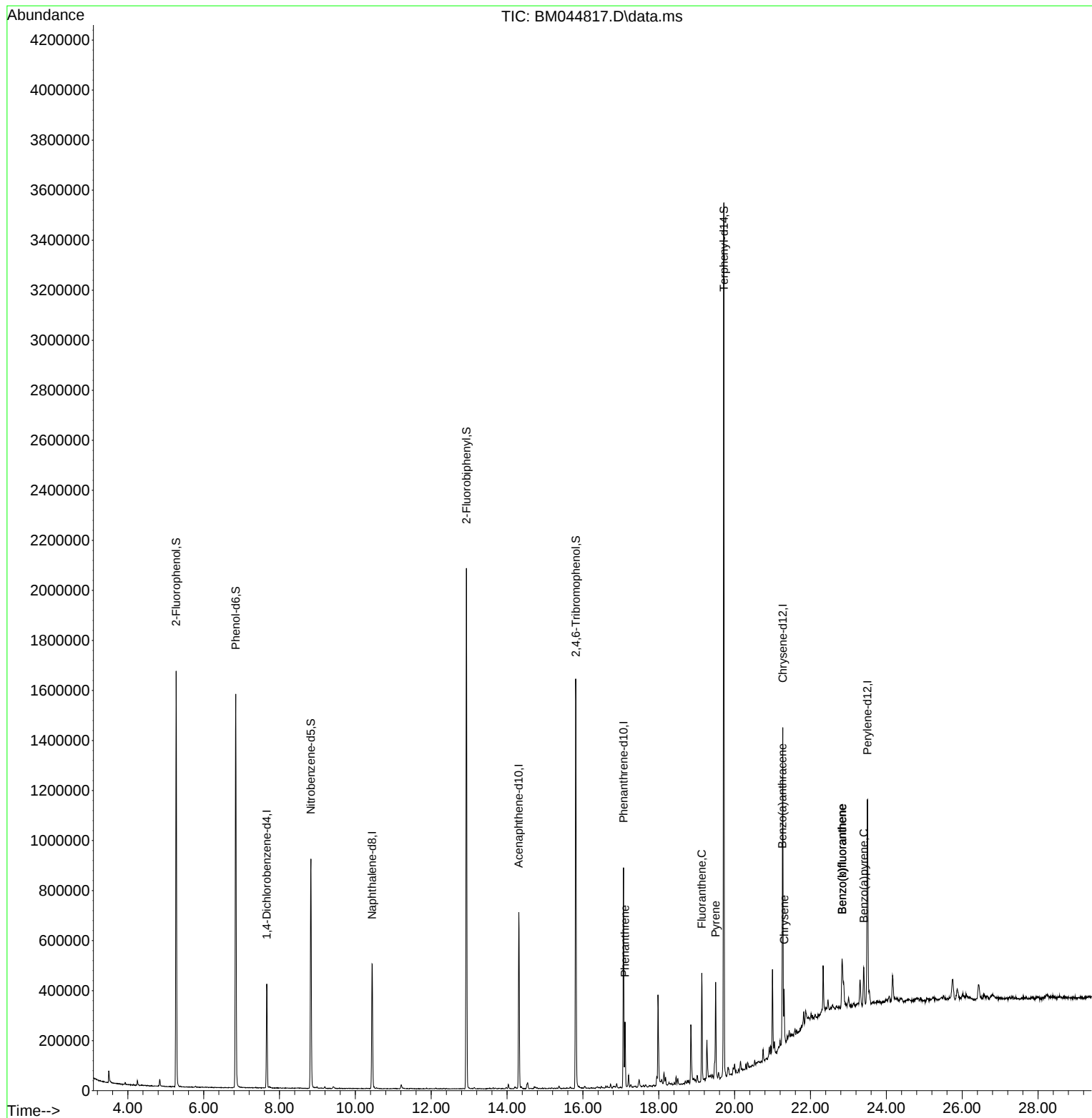
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.663	152	105630	20.000	ng	-0.01
21) Naphthalene-d8	10.439	136	410736	20.000	ng	-0.02
39) Acenaphthene-d10	14.310	164	237420	20.000	ng	-0.01
64) Phenanthrene-d10	17.068	188	489323	20.000	ng	-0.01
76) Chrysene-d12	21.268	240	487248	20.000	ng	-0.01
86) 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
89) Benzo(k)fluoranthene	22.833	252	150224	4.557	ng	# 96
90) Benzo(a)pyrene	23.403	252	103444	3.105	ng	98

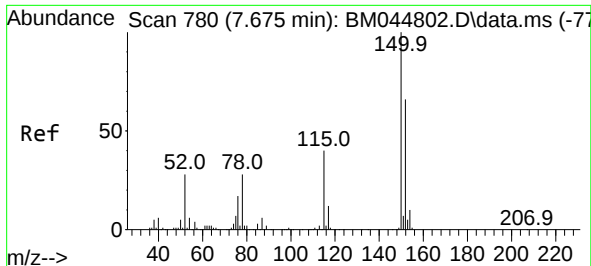
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032924\
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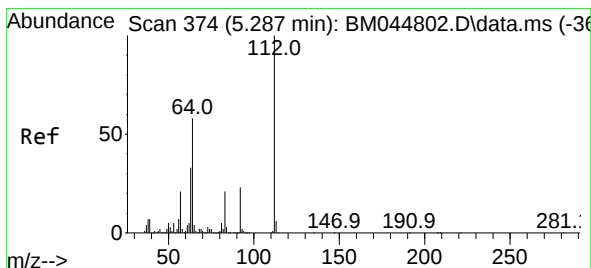
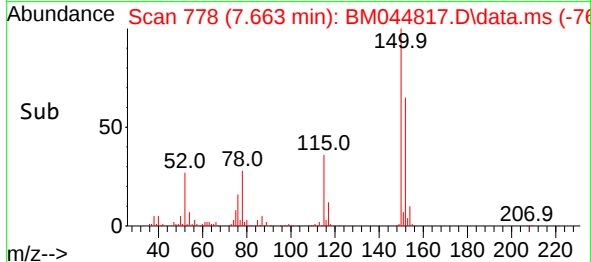
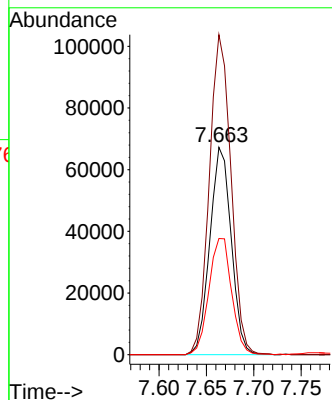
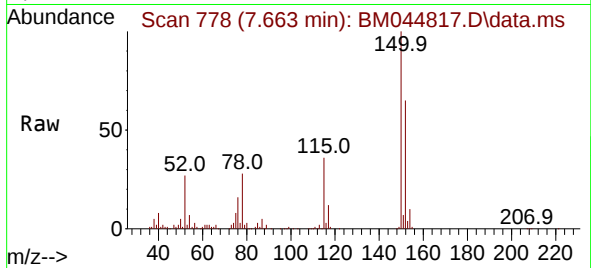




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.663 min Scan# 71
Delta R.T. -0.012 min
Lab File: BM044817.D
Acq: 29 Mar 2024 15:01

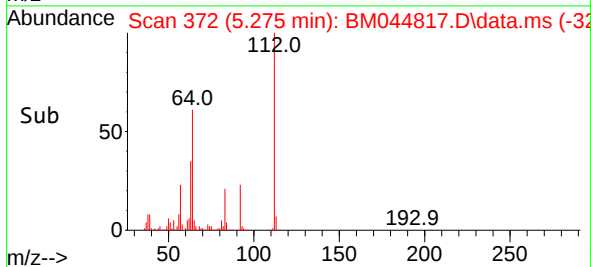
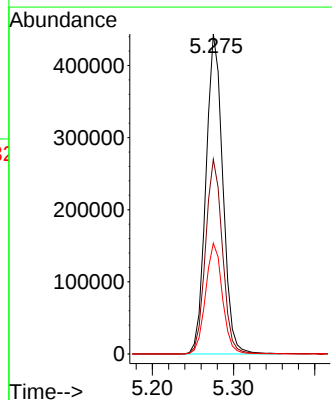
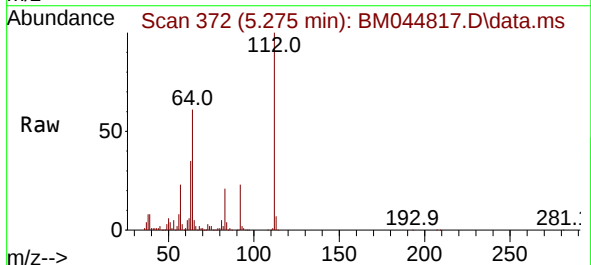
Instrument :
BNA_M
ClientSampleId :

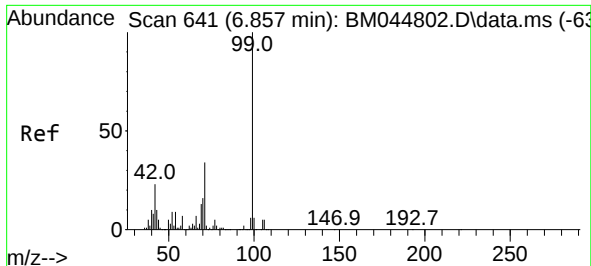
Tgt Ion:152 Resp: 105630
Ion Ratio Lower Upper
152 100
150 154.3 121.0 181.6
115 56.0 48.3 72.5



#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

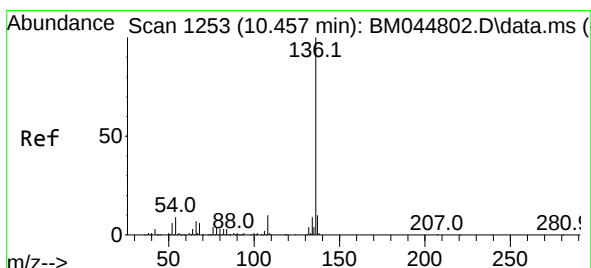
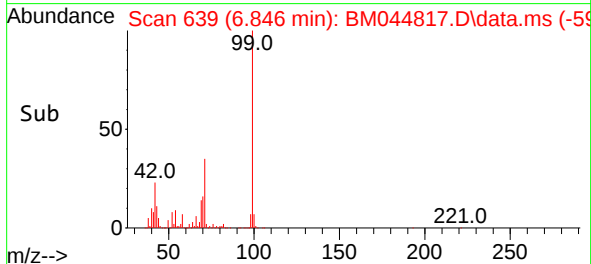
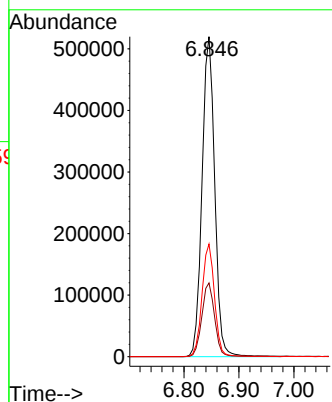
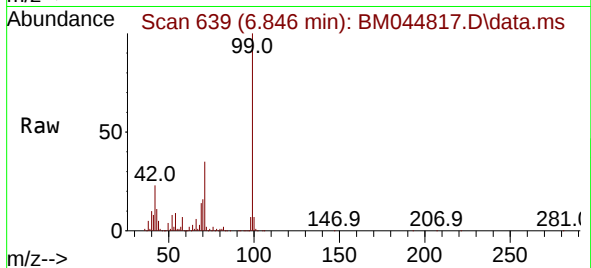




#7
Phenol-d6
Concen: 87.177 ng
RT: 6.846 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM044817.D
Acq: 29 Mar 2024 15:01

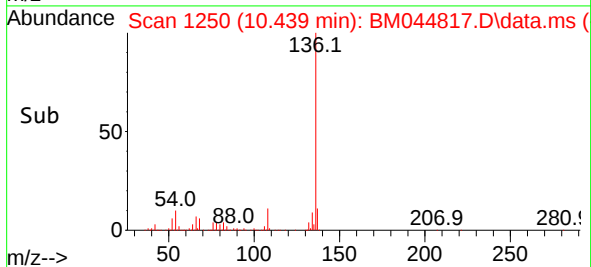
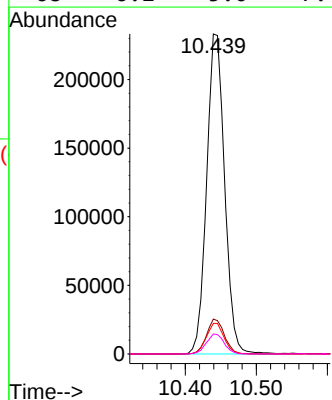
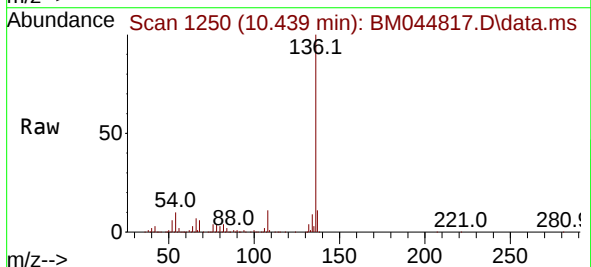
Instrument :
BNA_M
ClientSampleId :

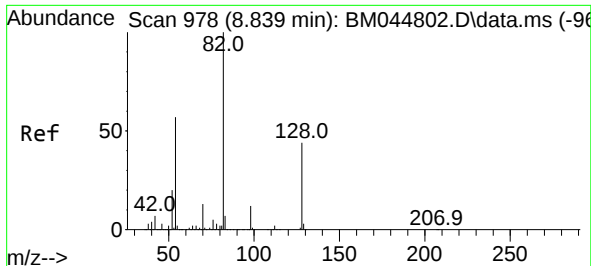
Tgt Ion: 99 Resp: 834006
Ion Ratio Lower Upper
99 100
42 23.0 18.2 27.4
71 35.2 27.3 40.9



#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 :

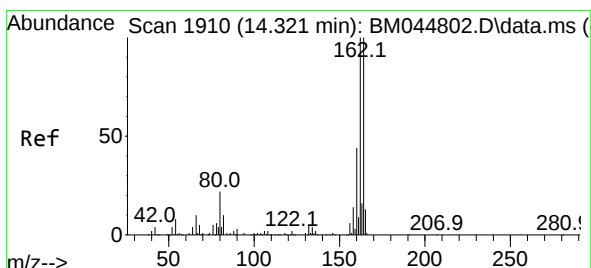
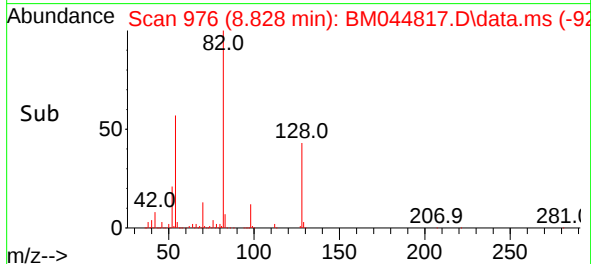
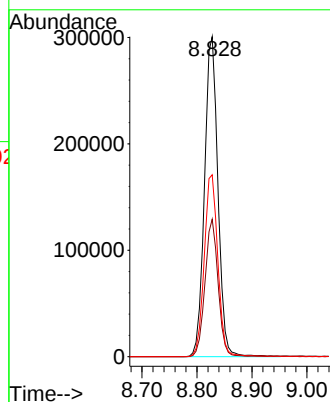
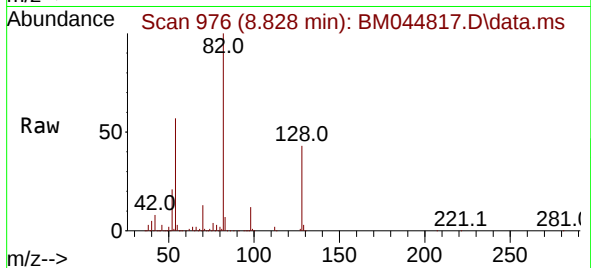
Tgt Ion: 82 Resp: 510771

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

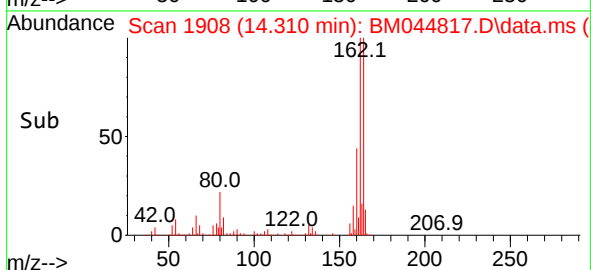
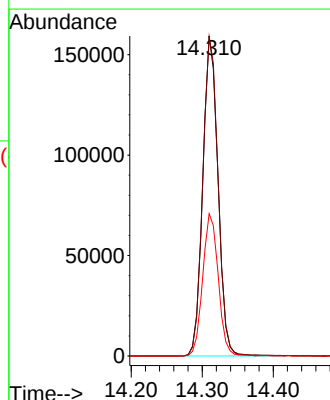
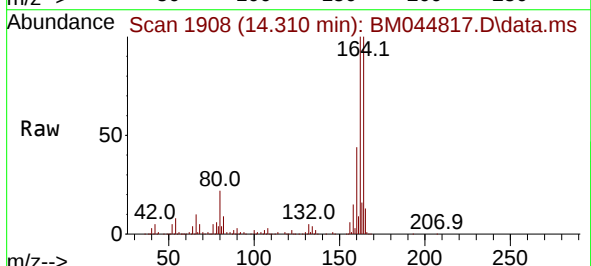
Tgt Ion: 164 Resp: 237420

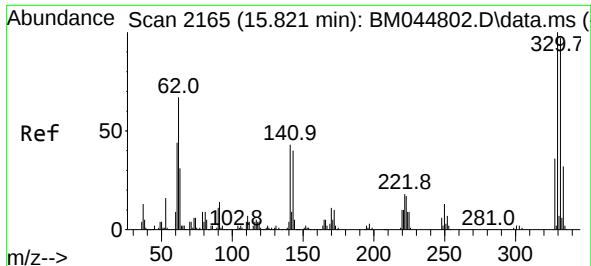
Ion Ratio Lower Upper

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

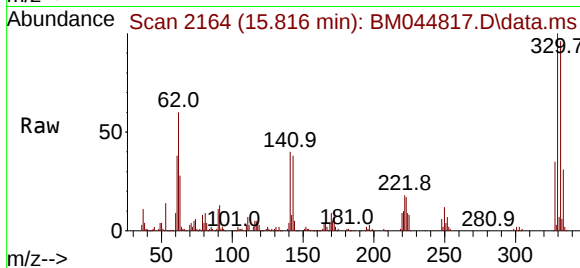
Lab File: BM044817.D

Acq: 29 Mar 2024 15:01

Instrument :

BNA_M

ClientSampleId :



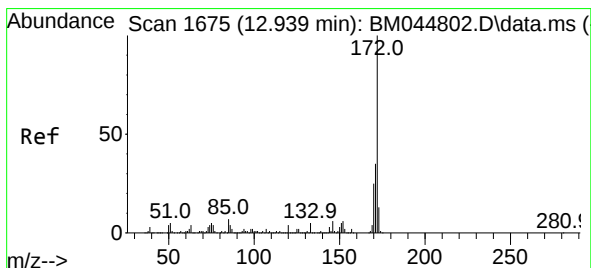
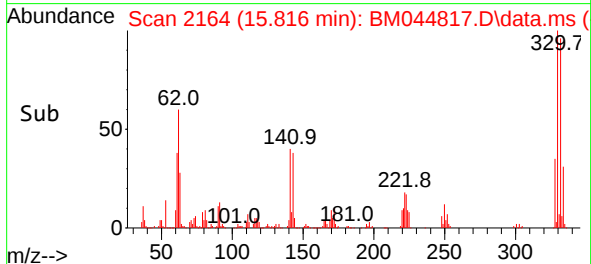
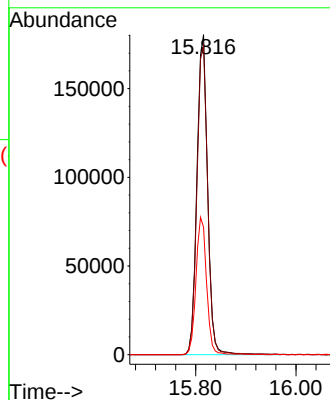
Tgt Ion:330 Resp: 266158

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

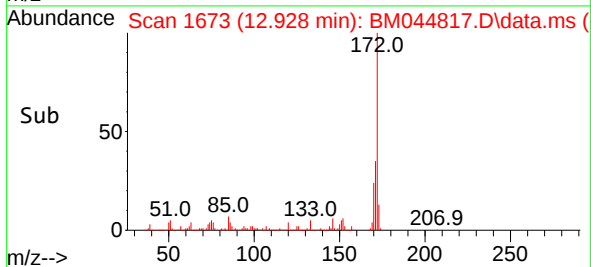
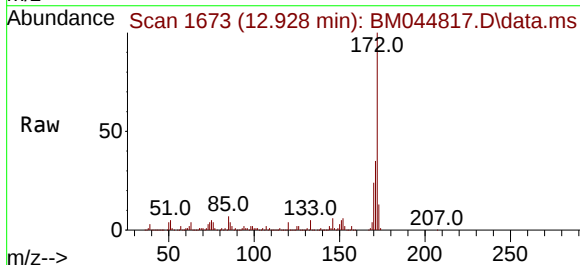
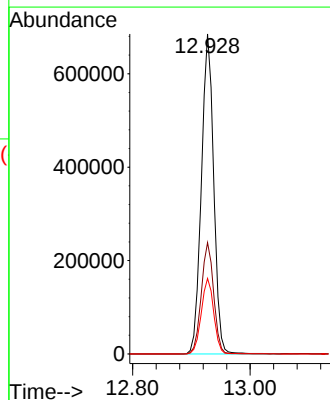
Tgt Ion:172 Resp: 998670

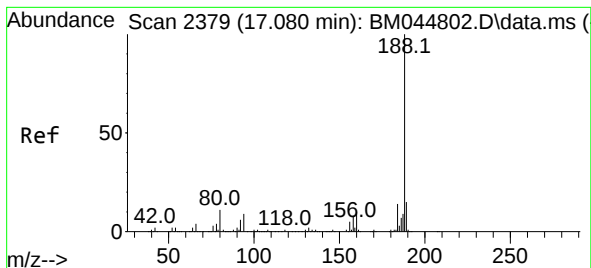
Ion Ratio Lower Upper

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

Instrument :

BNA_M

ClientSampleId :

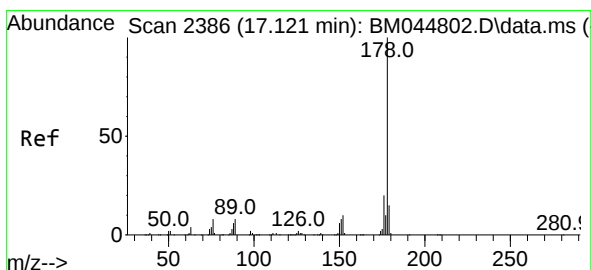
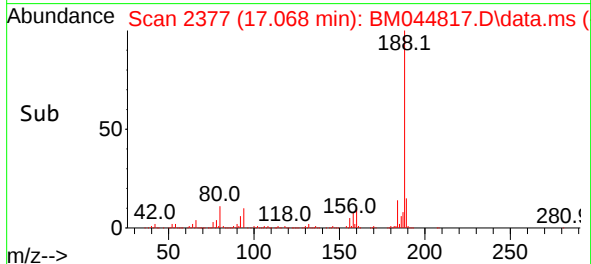
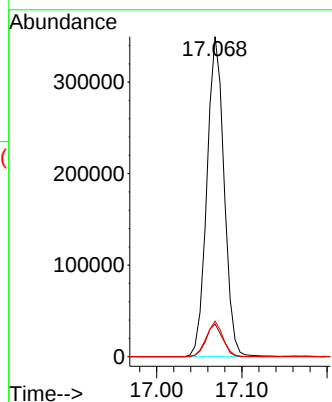
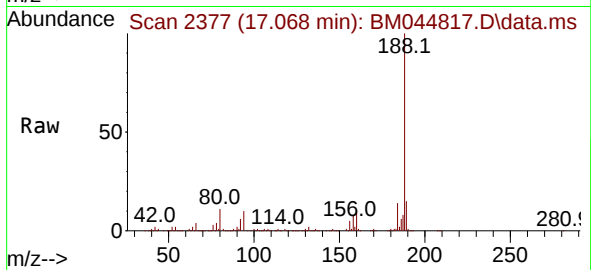
Tgt Ion:188 Resp: 489323

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

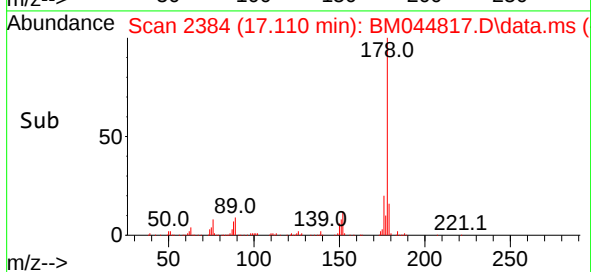
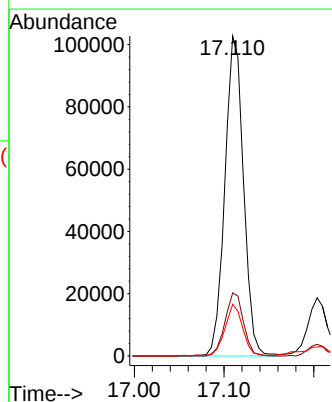
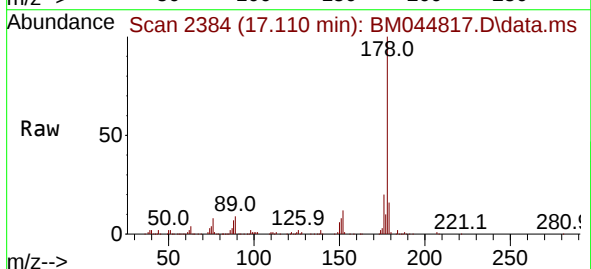
Tgt Ion:178 Resp: 148235

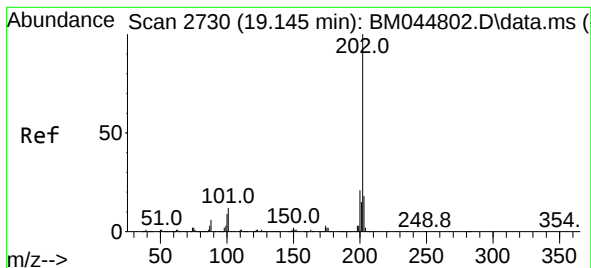
Ion Ratio Lower Upper

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

Instrument :

BNA_M

ClientSampleId :

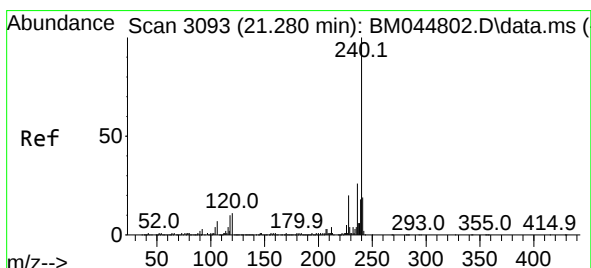
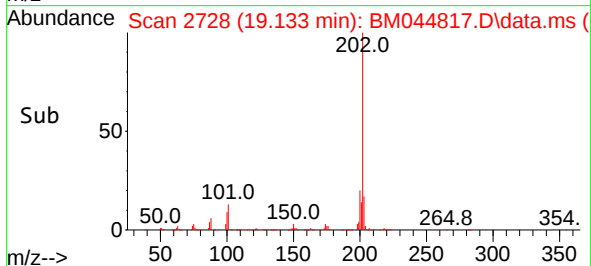
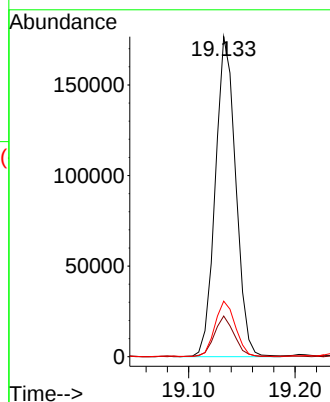
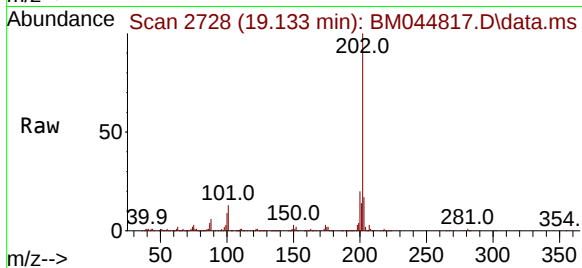
Tgt Ion:202 Resp: 235017

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

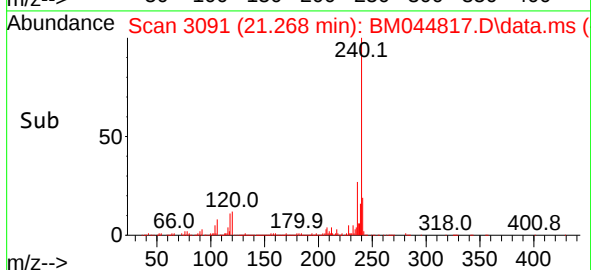
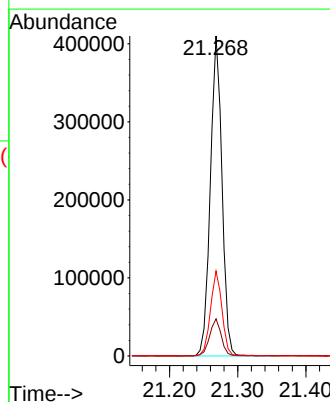
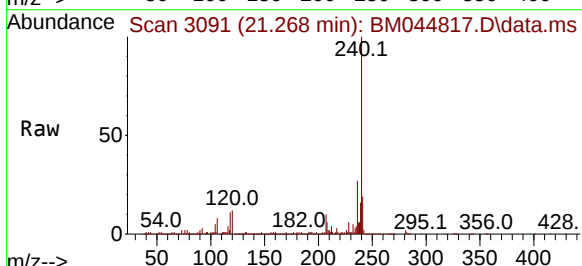
Tgt Ion:240 Resp: 487248

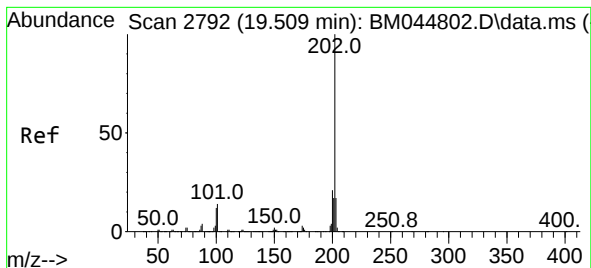
Ion Ratio Lower Upper

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 :

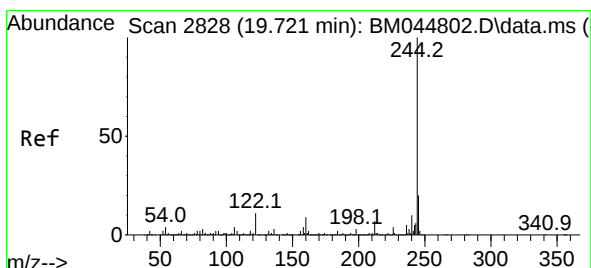
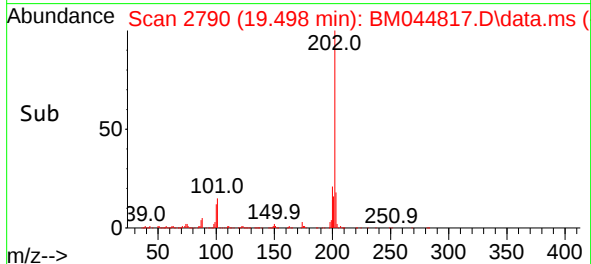
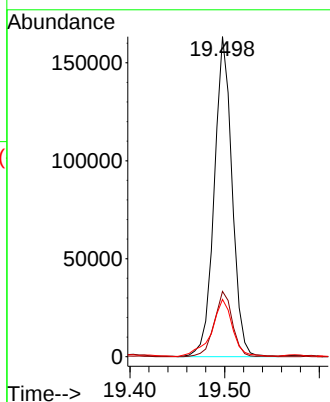
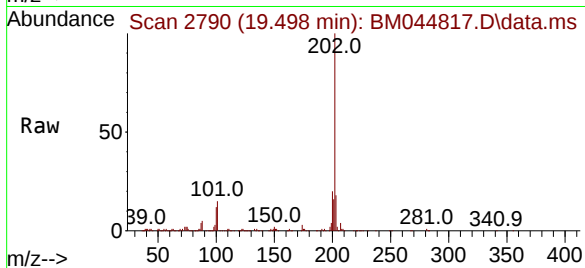
Tgt Ion:202 Resp: 213816

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

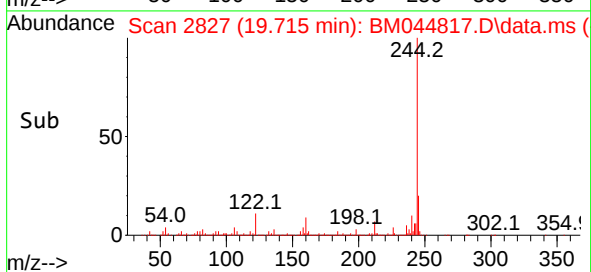
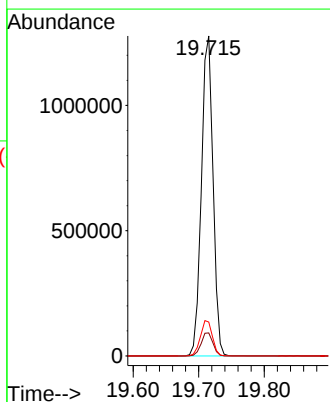
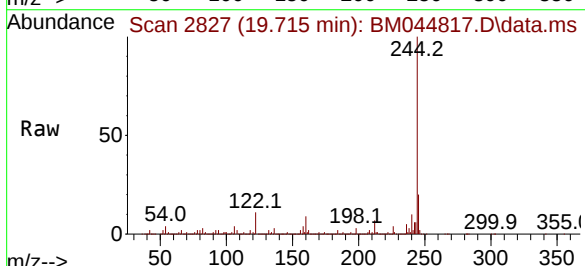
Tgt Ion:244 Resp: 1578444

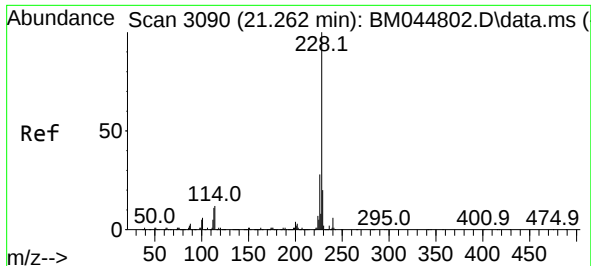
Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

122 10.6 8.8 13.2

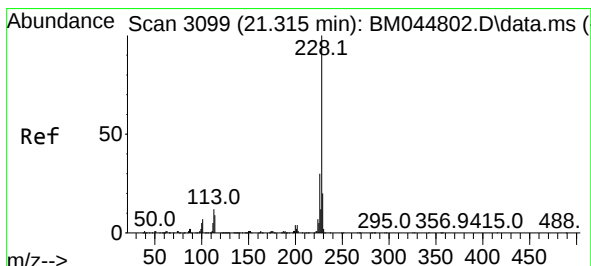
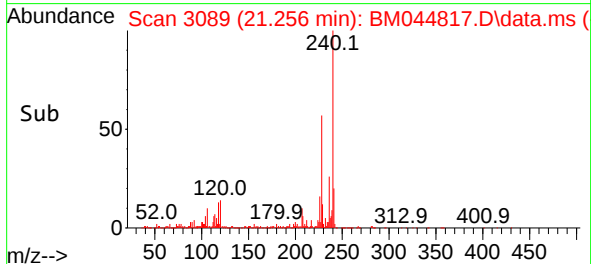
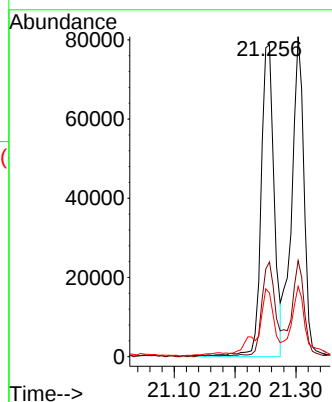
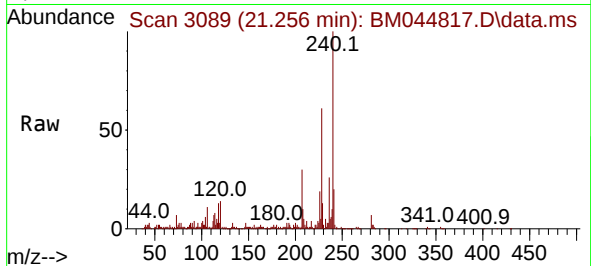




#81
Benzo(a)anthracene
Concen: 3.475 ng
RT: 21.256 min Scan# 3090
Delta R.T. -0.006 min
Lab File: BM044817.D
Acq: 29 Mar 2024 15:01

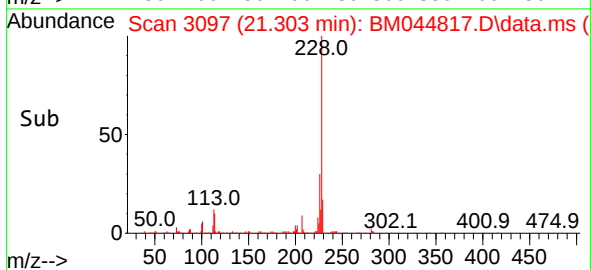
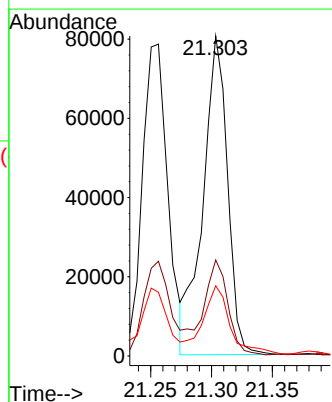
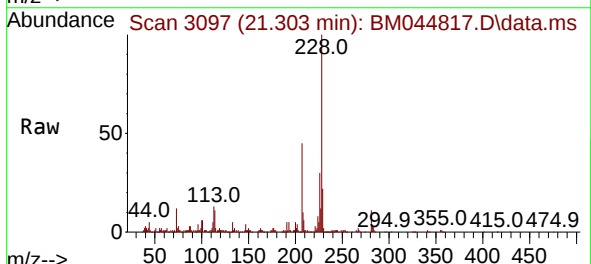
Instrument :
BNA_M
ClientSampleId :

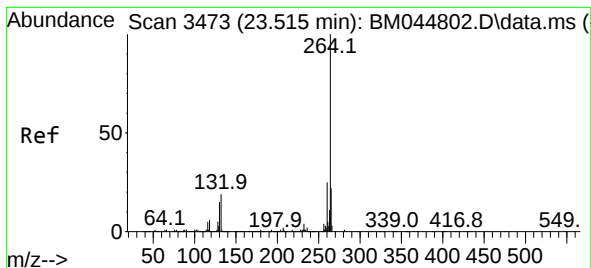
Tgt Ion:228 Resp: 118020
Ion Ratio Lower Upper
228 100
226 30.4 22.1 33.1
229 20.4 15.8 23.8



#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 :

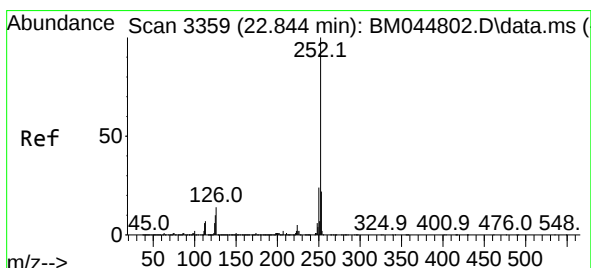
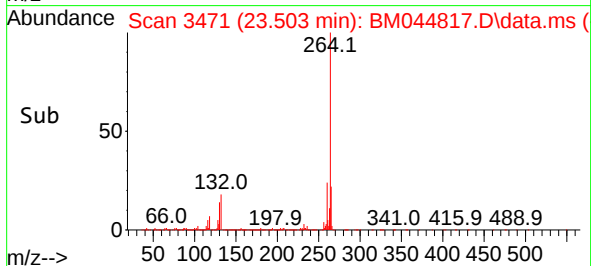
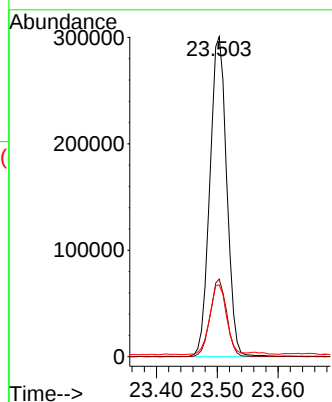
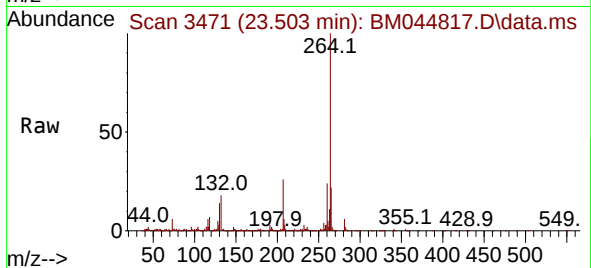
Tgt Ion:264 Resp: 579381

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

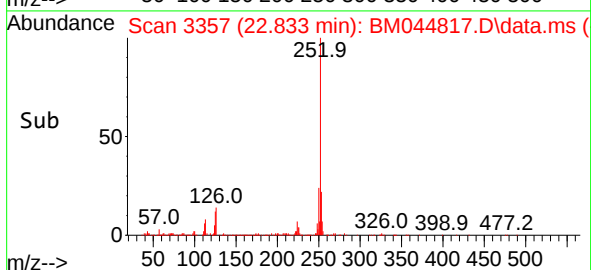
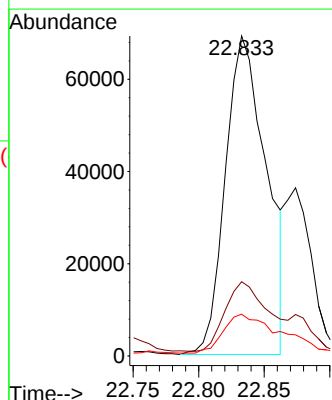
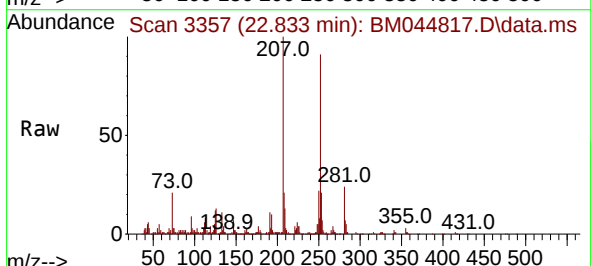
Tgt Ion:252 Resp: 150224

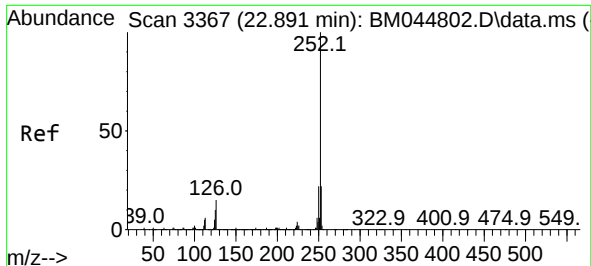
Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

125 13.1 8.6 12.8#

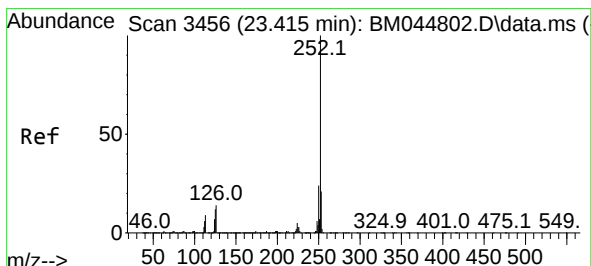
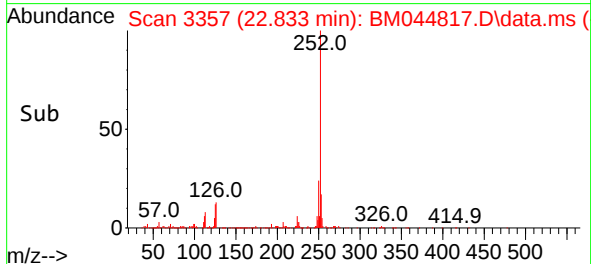
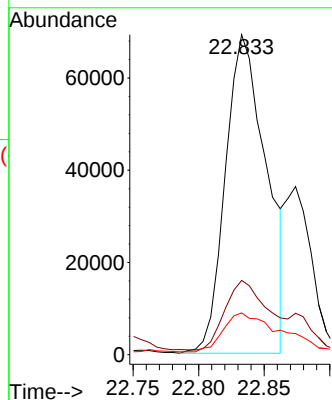
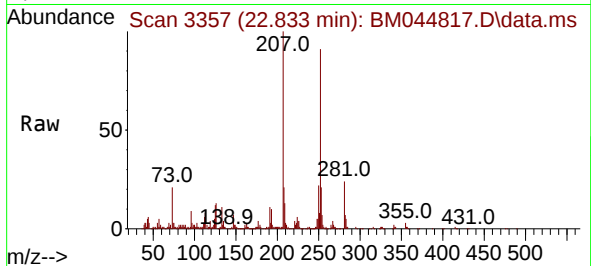




#89
Benzo(k)fluoranthene
Concen: 4.557 ng
RT: 22.833 min Scan# 31
Delta R.T. -0.059 min
Lab File: BM044817.D
Acq: 29 Mar 2024 15:01

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:252 Resp: 150224
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 13.1 8.3 12.5#



#90
Benzo(a)pyrene
Concen: 3.105 ng
RT: 23.403 min Scan# 3454
Delta R.T. -0.012 min
Lab File: BM044817.D
Acq: 29 Mar 2024 15:01

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

