

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032924\
 Data File : BM044820.D
 Acq On : 29 Mar 2024 18:14
 Operator : MA/JU
 Sample : P1879-12
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 29 18:53:38 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)

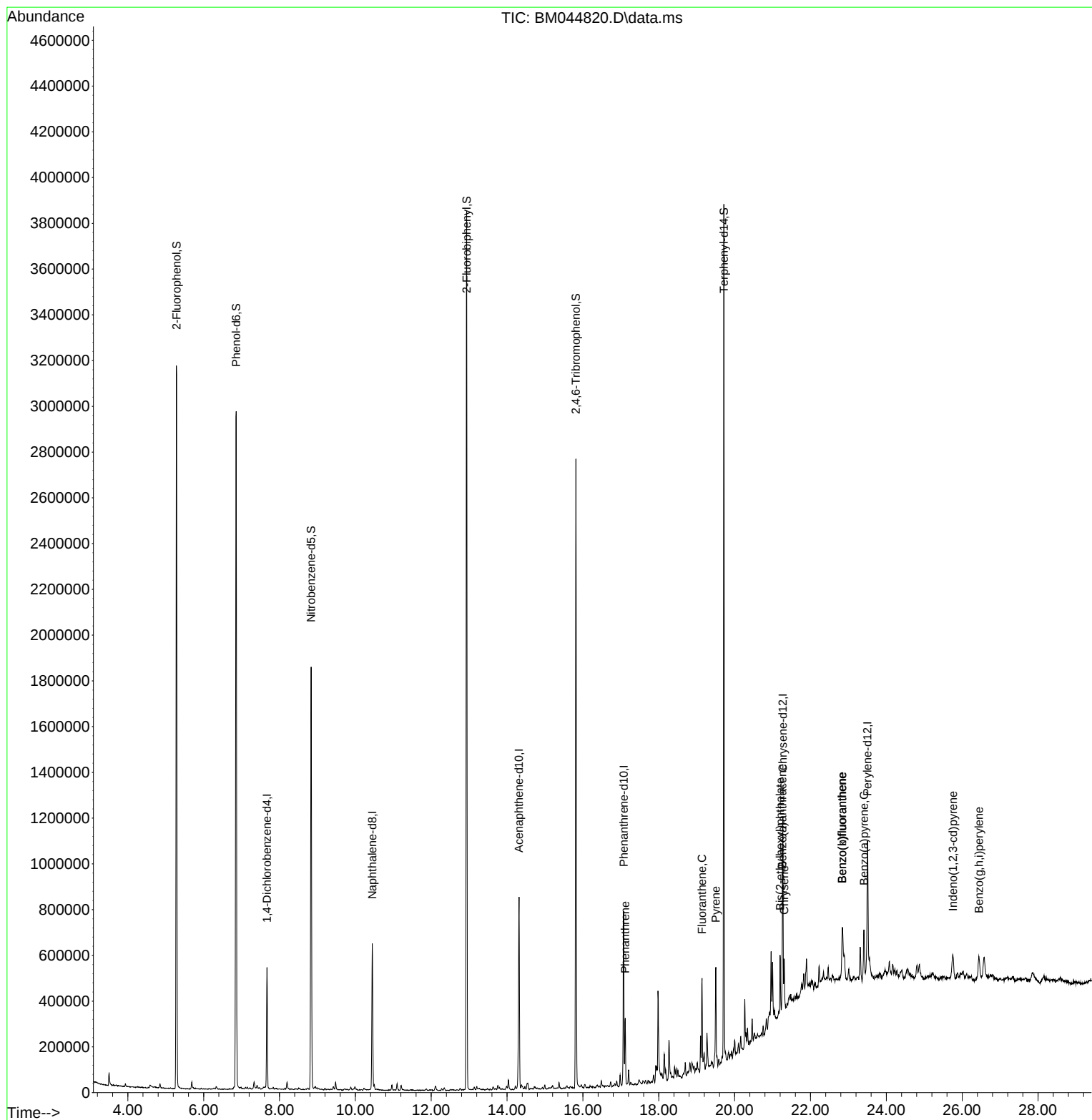
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.669	152	130348	20.000	ng	0.00
21) Naphthalene-d8	10.445	136	507611	20.000	ng	-0.01
39) Acenaphthene-d10	14.316	164	279776	20.000	ng	0.00
64) Phenanthrene-d10	17.074	188	448949	20.000	ng	0.00
76) Chrysene-d12	21.268	240	317200	20.000	ng	-0.01
86) Perylene-d12	23.503	264	379462	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	1248369	137.164	ng	0.00
7) Phenol-d6	6.857	99	1593161	134.951	ng	0.00
23) Nitrobenzene-d5	8.834	82	979110	86.953	ng	0.00
42) 2,4,6-Tribromophenol	15.816	330	428087	140.023	ng	0.00
45) 2-Fluorobiphenyl	12.933	172	1844399	84.434	ng	0.00
79) Terphenyl-d14	19.715	244	1573525	84.069	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.115	178	168355	6.722	ng	99
75) Fluoranthene	19.139	202	223457	8.938	ng	98
78) Pyrene	19.504	202	253384	10.025	ng	99
81) Benzo(a)anthracene	21.256	228	129915	5.876	ng	94
83) Chrysene	21.309	228	120304	5.677	ng	98
84) Bis(2-ethylhexyl)phtha...	21.198	149	65663	5.240	ng	98
87) Indeno(1,2,3-cd)pyrene	25.756	276	100204	3.476	ng	95
88) Benzo(b)fluoranthene	22.839	252	221991	10.324	ng	# 94
89) Benzo(k)fluoranthene	22.839	252	221991	10.281	ng	# 94
90) Benzo(a)pyrene	23.409	252	136833	6.270	ng	94
92) Benzo(g,h,i)perylene	26.444	276	111544	4.491	ng	97

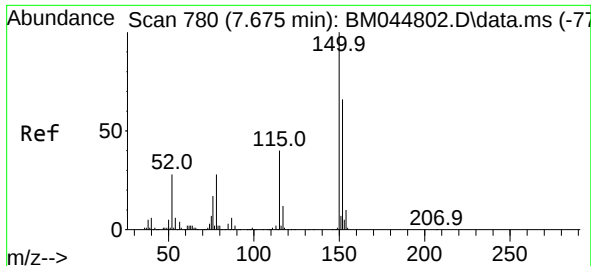
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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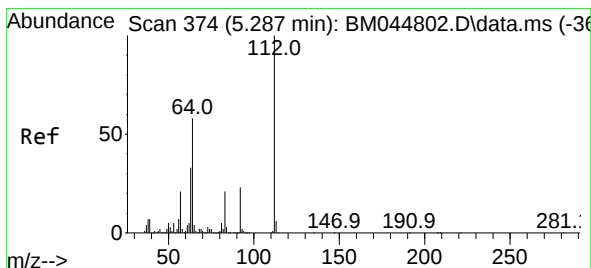
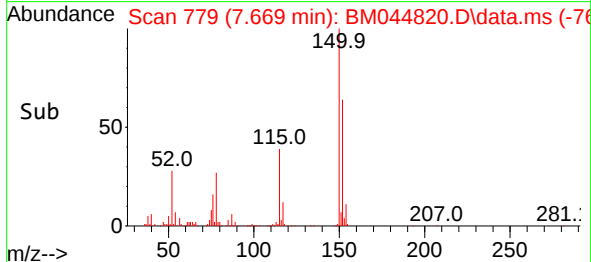
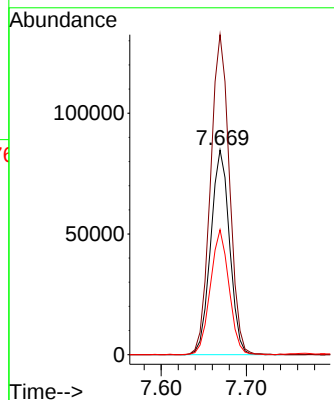
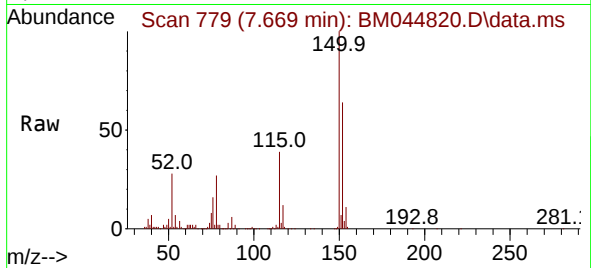




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.669 min Scan# 779
 Delta R.T. -0.006 min
 Lab File: BM044820.D
 Acq: 29 Mar 2024 18:14

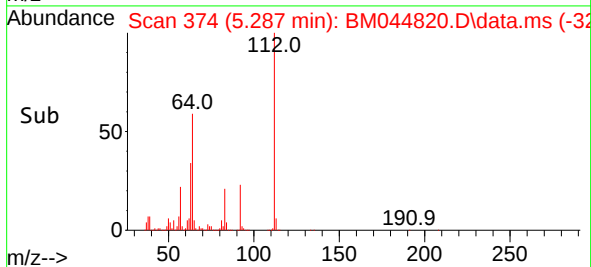
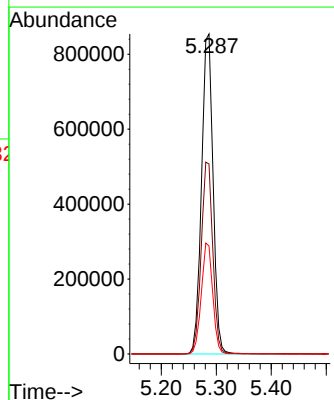
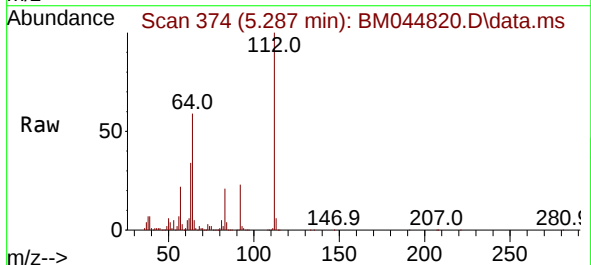
Instrument :
 BNA_M
 ClientSampleId :

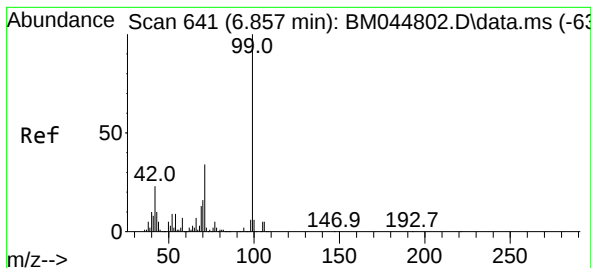
Tgt Ion:152 Resp: 130348
 Ion Ratio Lower Upper
 152 100
 150 156.4 121.0 181.6
 115 61.1 48.3 72.5



#5
 2-Fluorophenol
 Concen: 137.164 ng
 RT: 5.287 min Scan# 374
 Delta R.T. 0.000 min
 Lab File: BM044820.D
 Acq: 29 Mar 2024 18:14

Tgt Ion:112 Resp: 1248369
 Ion Ratio Lower Upper
 112 100
 64 59.3 46.4 69.6
 63 33.8 26.2 39.4





#7

Phenol-d6

Concen: 134.951 ng

RT: 6.857 min Scan# 641

Delta R.T. 0.000 min

Lab File: BM044820.D

Acq: 29 Mar 2024 18:14

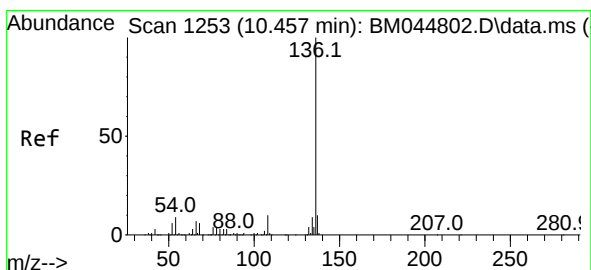
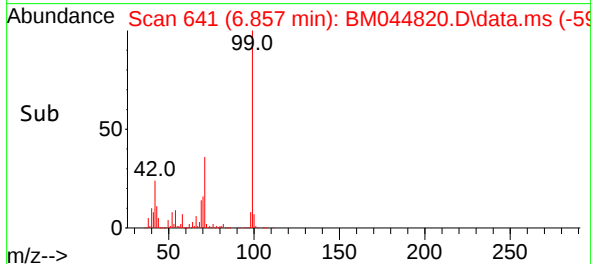
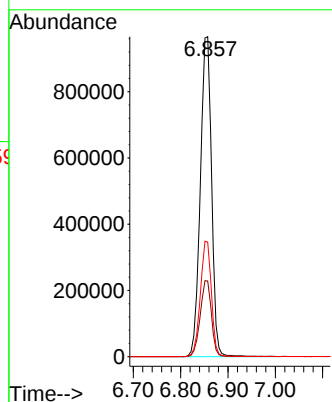
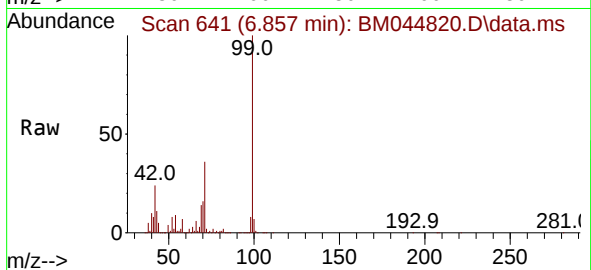
Instrument :

BNA_M

ClientSampleId :

Tgt Ion: 99 Resp: 1593161

Ion	Ratio	Lower	Upper
99	100		
42	23.6	18.2	27.4
71	35.8	27.3	40.9



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.445 min Scan# 1251

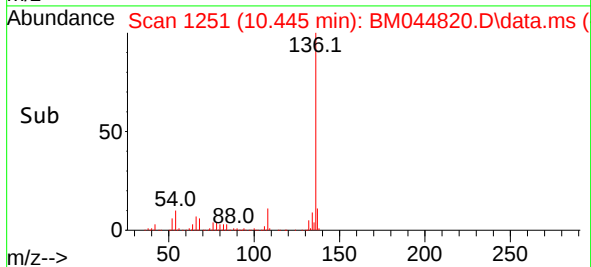
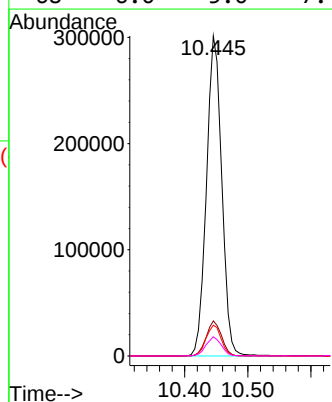
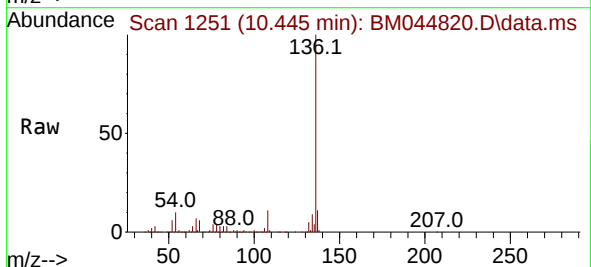
Delta R.T. -0.012 min

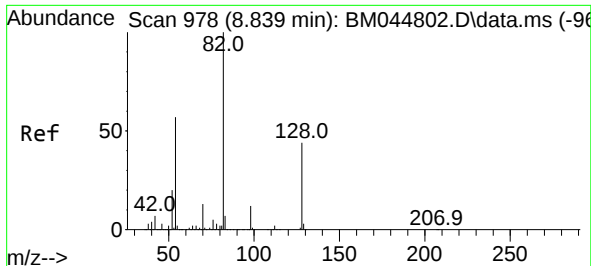
Lab File: BM044820.D

Acq: 29 Mar 2024 18:14

Tgt Ion: 136 Resp: 507611

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.4	12.6
54	9.6	7.3	10.9
68	6.0	5.0	7.4





#23

Nitrobenzene-d5

Concen: 86.953 ng

RT: 8.834 min Scan# 91

Delta R.T. -0.006 min

Lab File: BM044820.D

Acq: 29 Mar 2024 18:14

Instrument :

BNA_M

ClientSampleId :

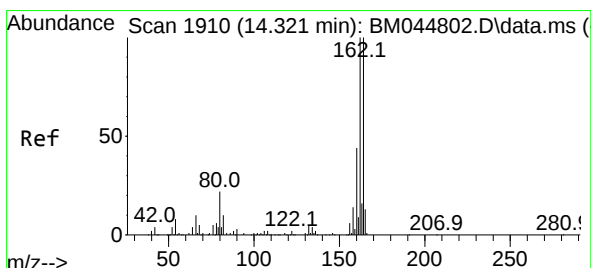
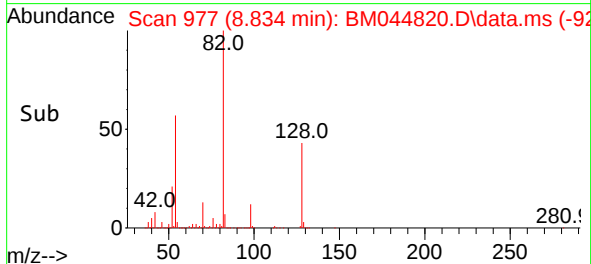
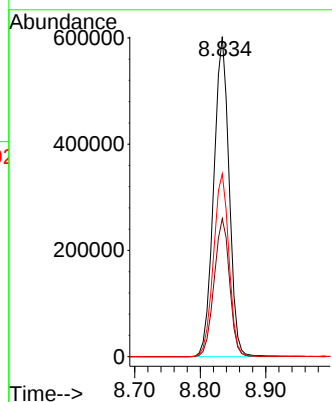
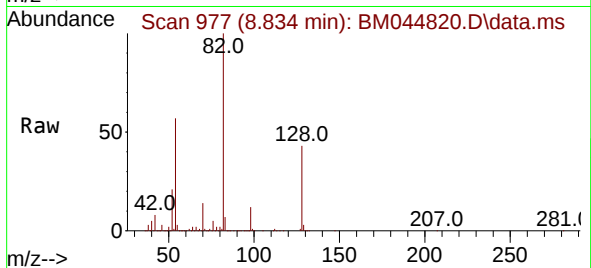
Tgt Ion: 82 Resp: 979110

Ion Ratio Lower Upper

82 100

128 43.2 34.8 52.2

54 57.2 45.4 68.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.316 min Scan# 1909

Delta R.T. -0.006 min

Lab File: BM044820.D

Acq: 29 Mar 2024 18:14

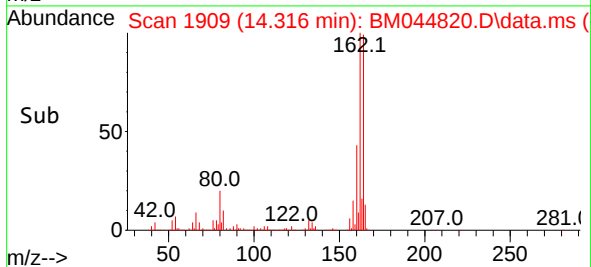
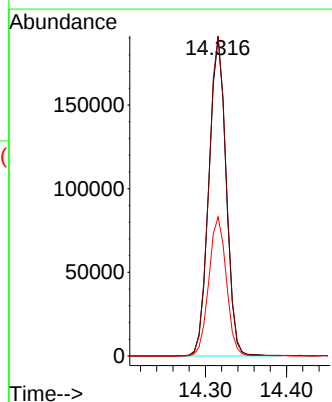
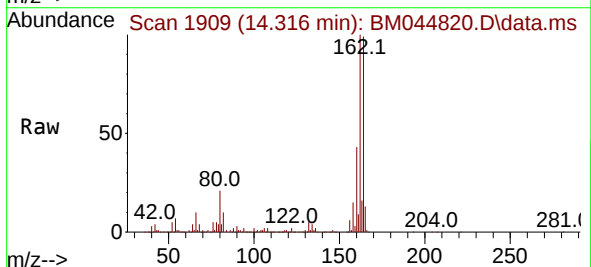
Tgt Ion:164 Resp: 279776

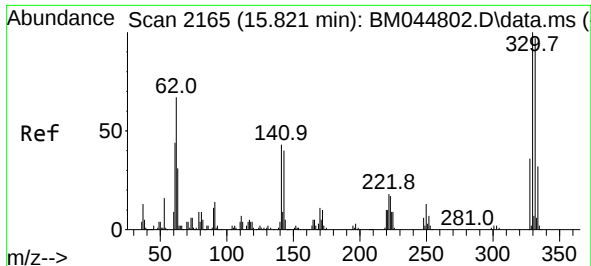
Ion Ratio Lower Upper

164 100

162 100.6 80.2 120.4

160 43.7 35.4 53.2

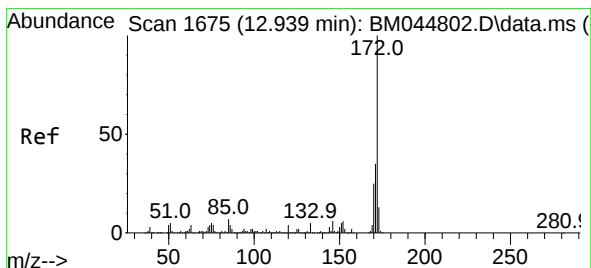
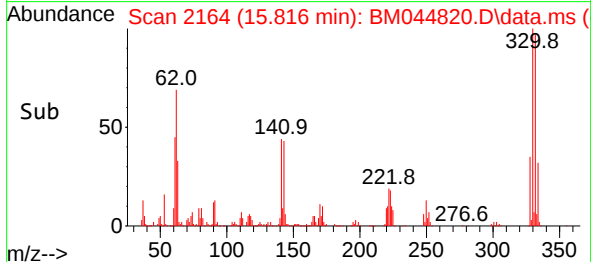
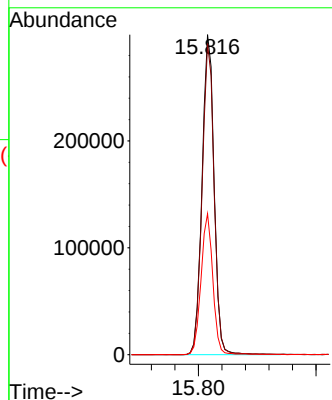
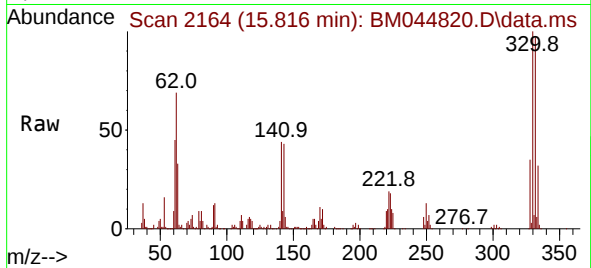




#42
2,4,6-Tribromophenol
Concen: 140.023 ng
RT: 15.816 min Scan# 2164
Delta R.T. -0.006 min
Lab File: BM044820.D
Acq: 29 Mar 2024 18:14

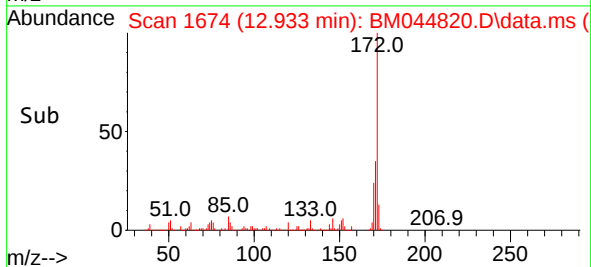
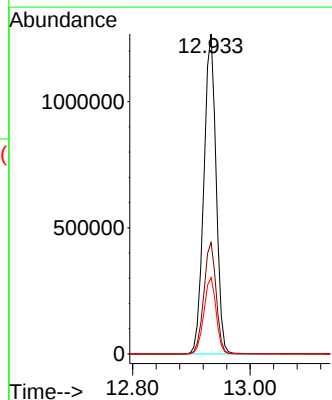
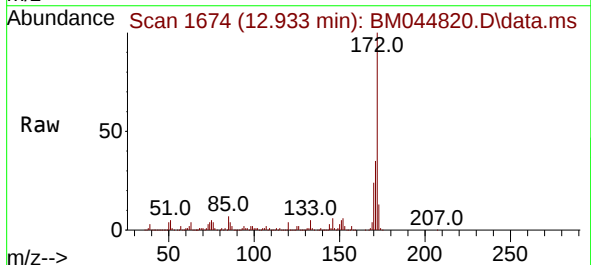
Instrument :
BNA_M
ClientSampleId :

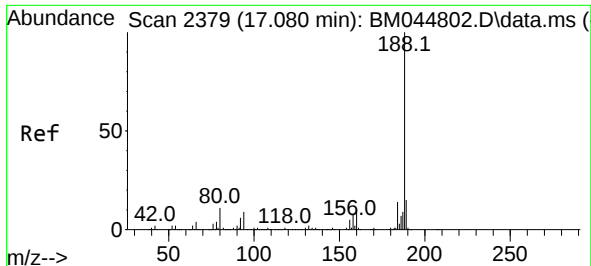
Tgt Ion:330 Resp: 428087
Ion Ratio Lower Upper
330 100
332 96.8 77.0 115.4
141 42.9 34.1 51.1



#45
2-Fluorobiphenyl
Concen: 84.434 ng
RT: 12.933 min Scan# 1674
Delta R.T. -0.006 min
Lab File: BM044820.D
Acq: 29 Mar 2024 18:14

Tgt Ion:172 Resp: 1844399
Ion Ratio Lower Upper
172 100
171 34.8 27.8 41.8
170 23.9 19.8 29.6

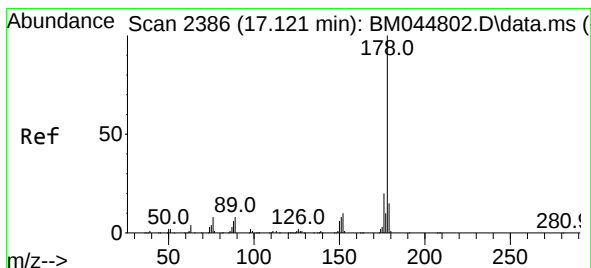
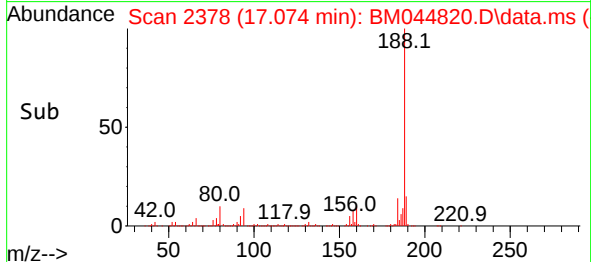
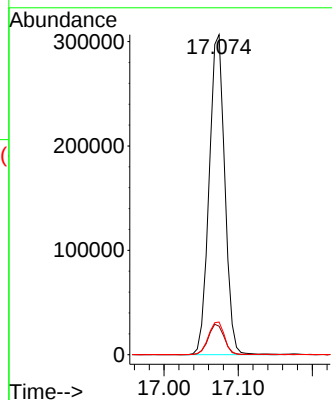
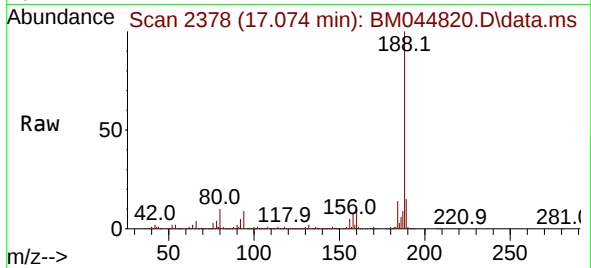




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.074 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM044820.D
Acq: 29 Mar 2024 18:14

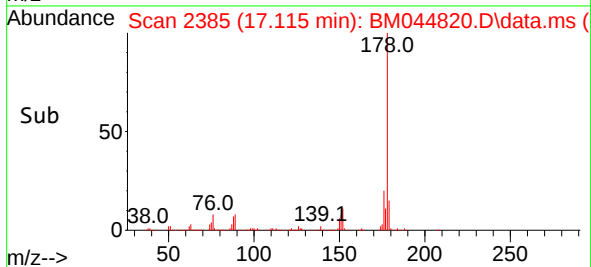
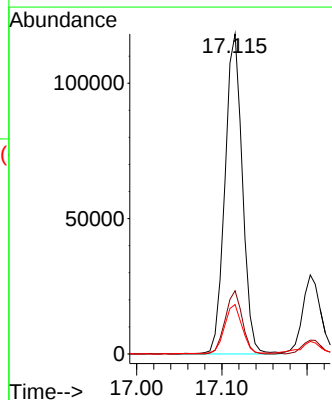
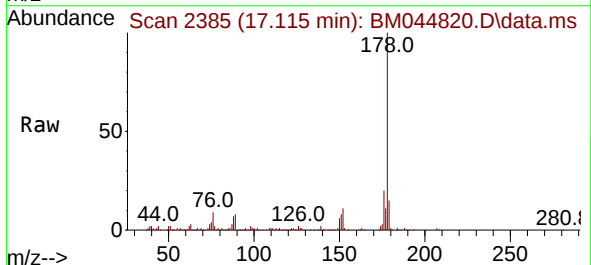
Instrument :
BNA_M
ClientSampleId :

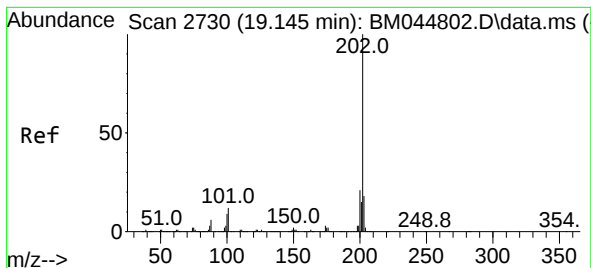
Tgt Ion:188 Resp: 448949
Ion Ratio Lower Upper
188 100
94 8.9 7.4 11.0
80 10.2 8.6 12.8



#71
Phenanthrene
Concen: 6.722 ng
RT: 17.115 min Scan# 2385
Delta R.T. -0.006 min
Lab File: BM044820.D
Acq: 29 Mar 2024 18:14

Tgt Ion:178 Resp: 168355
Ion Ratio Lower Upper
178 100
176 19.8 16.0 24.0
179 15.5 12.2 18.2





#75

Fluoranthene

Concen: 8.938 ng

RT: 19.139 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044820.D

Acq: 29 Mar 2024 18:14

Instrument :

BNA_M

ClientSampleId :

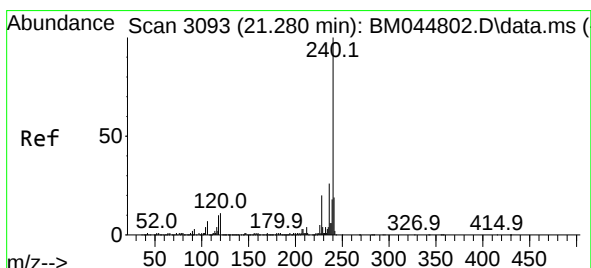
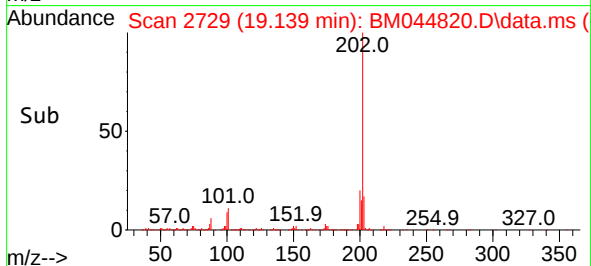
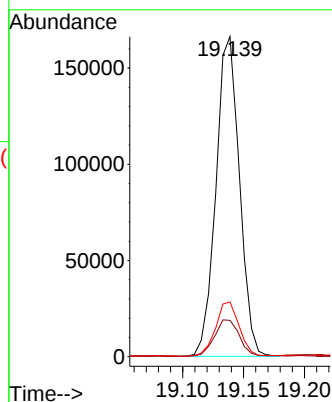
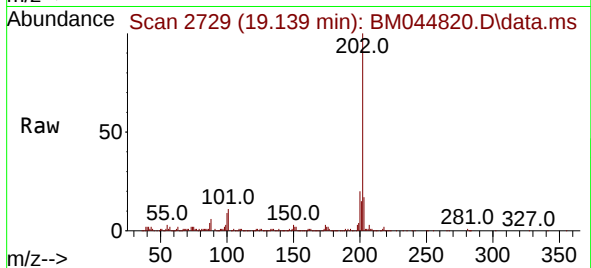
Tgt Ion:202 Resp: 223457

Ion Ratio Lower Upper

202 100

101 11.3 0.0 32.2

203 17.1 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: BM044820.D

Acq: 29 Mar 2024 18:14

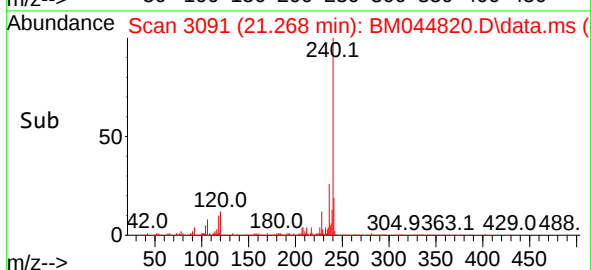
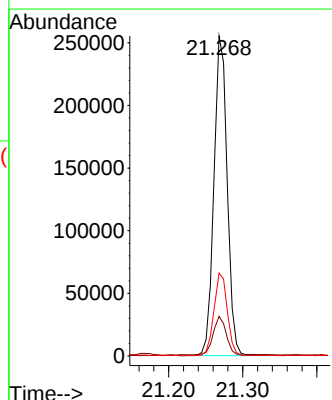
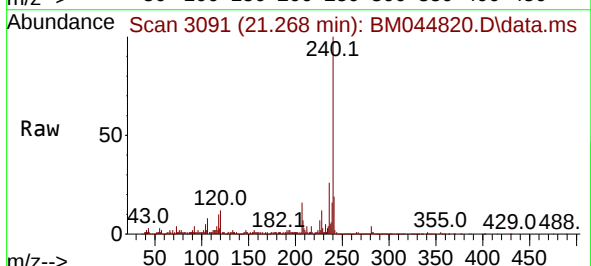
Tgt Ion:240 Resp: 317200

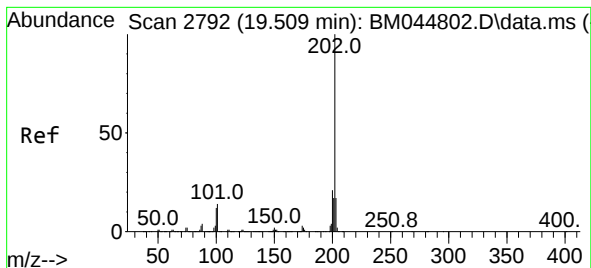
Ion Ratio Lower Upper

240 100

120 12.3 8.6 12.8

236 25.9 20.8 31.2





#78

Pyrene

Concen: 10.025 ng

RT: 19.504 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044820.D

Acq: 29 Mar 2024 18:14

Instrument :

BNA_M

ClientSampleId :

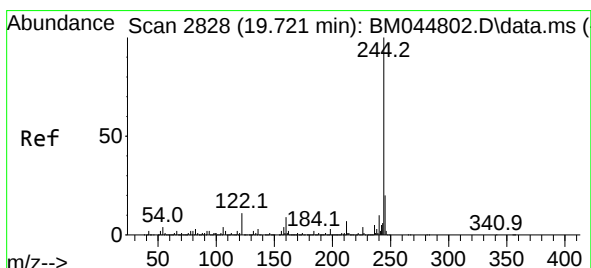
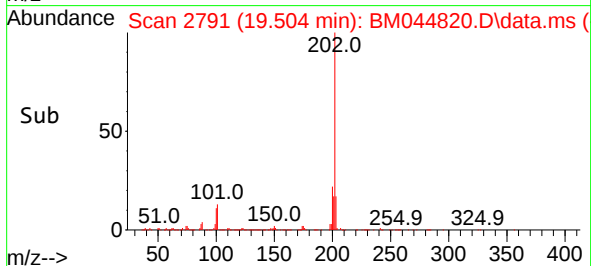
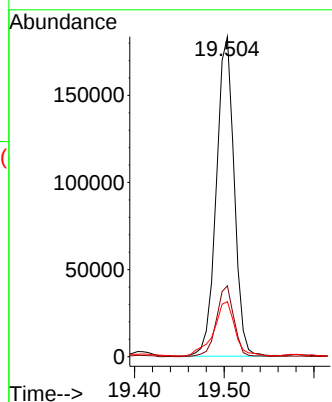
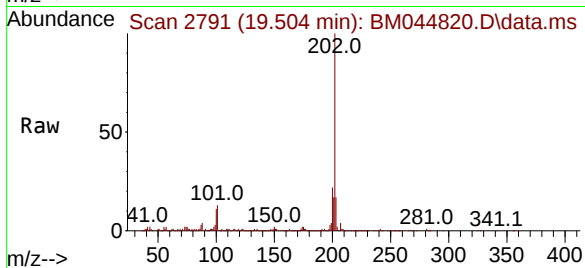
Tgt Ion:202 Resp: 253384

Ion Ratio Lower Upper

202 100

200 22.1 17.0 25.4

203 17.2 13.9 20.9



#79

Terphenyl-d14

Concen: 84.069 ng

RT: 19.715 min Scan# 2827

Delta R.T. -0.006 min

Lab File: BM044820.D

Acq: 29 Mar 2024 18:14

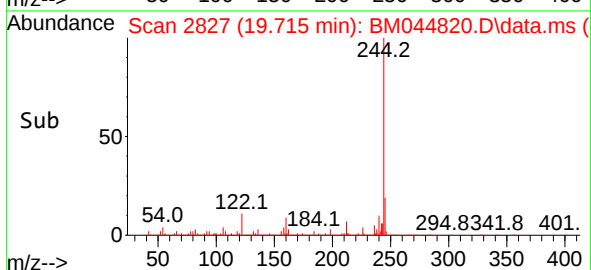
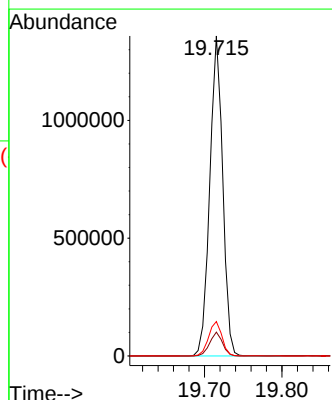
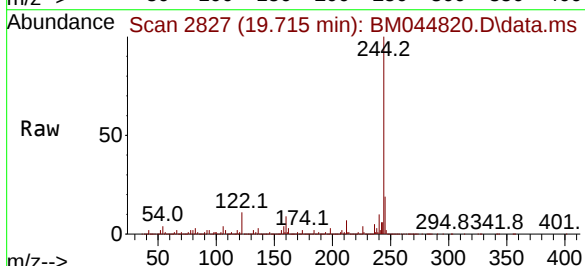
Tgt Ion:244 Resp: 1573525

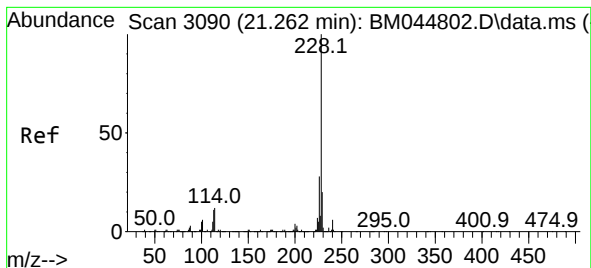
Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

122 10.7 8.8 13.2





#81

Benzo(a)anthracene

Concen: 5.876 ng

RT: 21.256 min Scan# 3090

Delta R.T. -0.006 min

Lab File: BM044820.D

Acq: 29 Mar 2024 18:14

Instrument :

BNA_M

ClientSampleId :

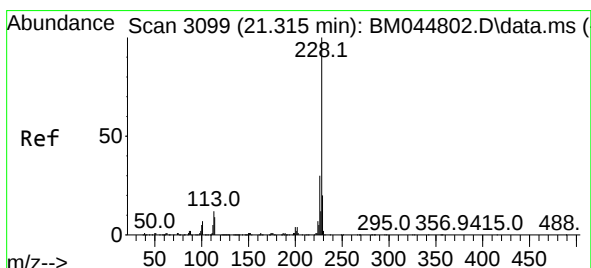
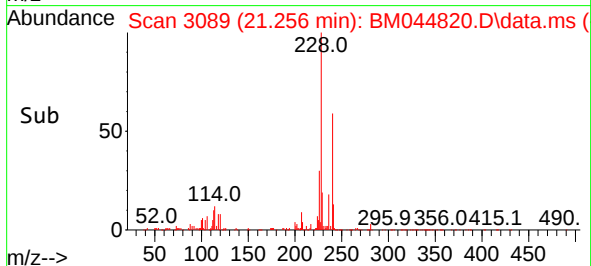
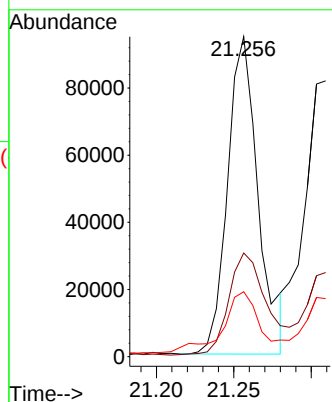
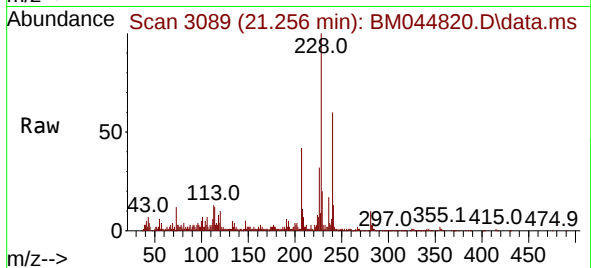
Tgt Ion:228 Resp: 129915

Ion Ratio Lower Upper

228 100

226 32.4 22.1 33.1

229 20.3 15.8 23.8



#83

Chrysene

Concen: 5.677 ng

RT: 21.309 min Scan# 3098

Delta R.T. -0.006 min

Lab File: BM044820.D

Acq: 29 Mar 2024 18:14

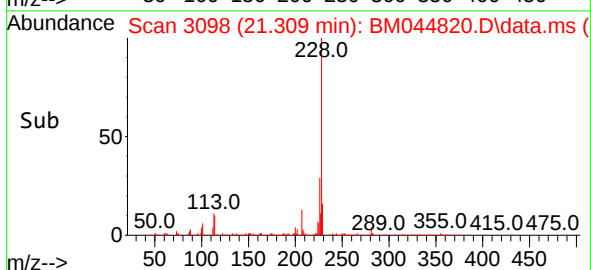
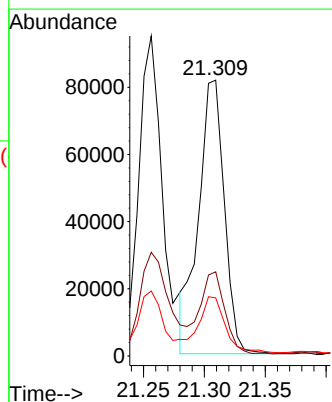
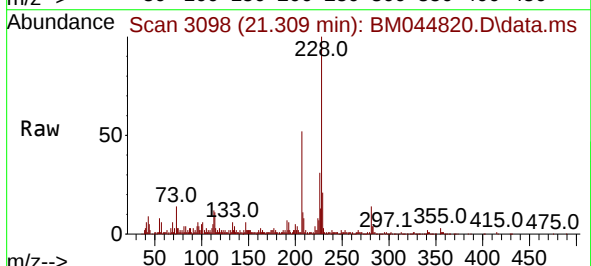
Tgt Ion:228 Resp: 120304

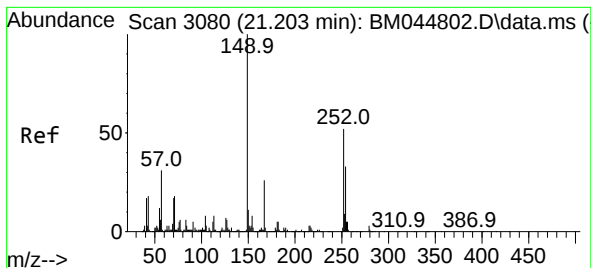
Ion Ratio Lower Upper

228 100

226 30.5 23.7 35.5

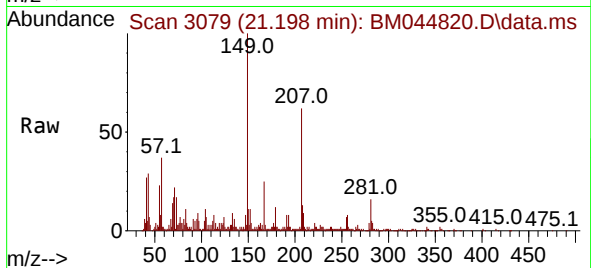
229 21.1 15.7 23.5



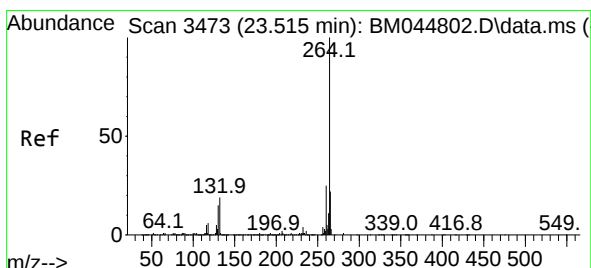
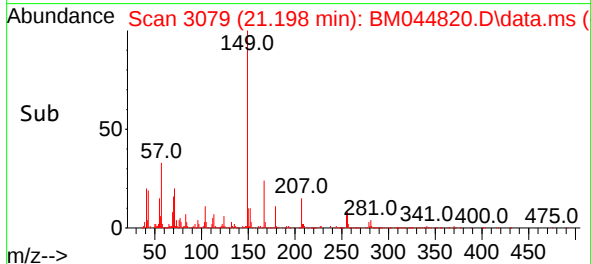
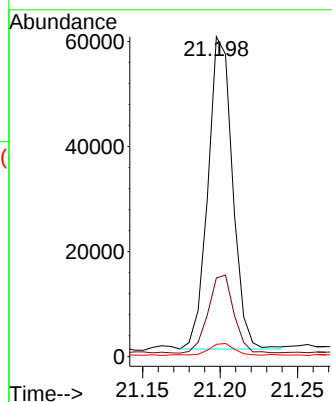


#84
Bis(2-ethylhexyl)phthalate
Concen: 5.240 ng
RT: 21.198 min Scan# 3080
Delta R.T. -0.006 min
Lab File: BM044820.D
Acq: 29 Mar 2024 18:14

Instrument :
BNA_M
ClientSampleId :

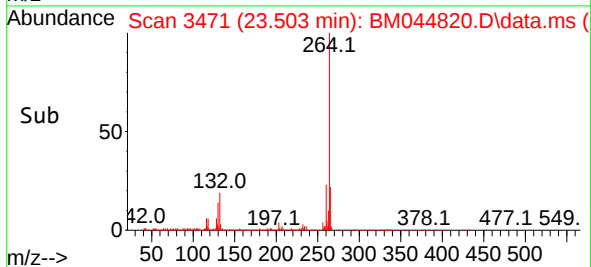
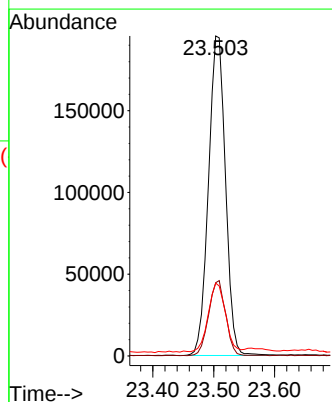
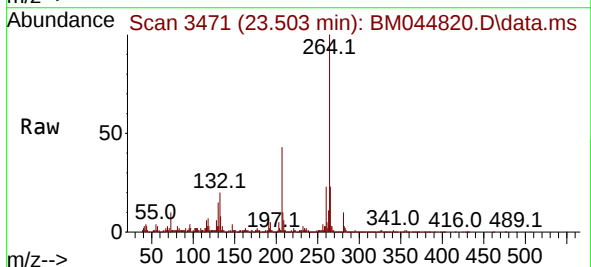


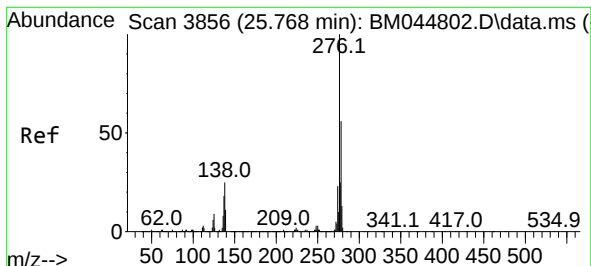
Tgt Ion:149 Resp: 65663
Ion Ratio Lower Upper
149 100
167 24.6 20.5 30.7
279 3.8 2.7 4.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.503 min Scan# 3471
Delta R.T. -0.012 min
Lab File: BM044820.D
Acq: 29 Mar 2024 18:14

Tgt Ion:264 Resp: 379462
Ion Ratio Lower Upper
264 100
260 22.9 19.7 29.5
265 22.7 18.9 28.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.476 ng

RT: 25.756 min Scan# 3854

Delta R.T. -0.012 min

Lab File: BM044820.D

Acq: 29 Mar 2024 18:14

Instrument :

BNA_M

ClientSampleId :

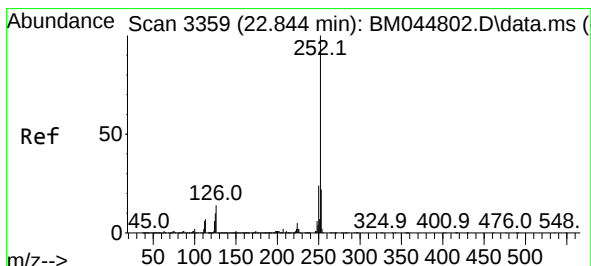
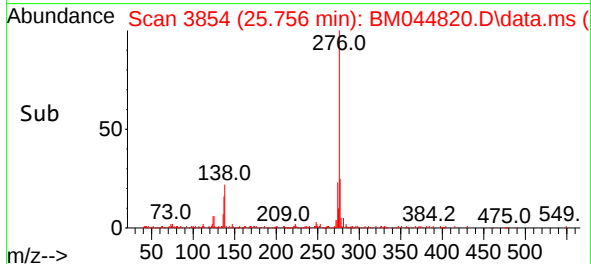
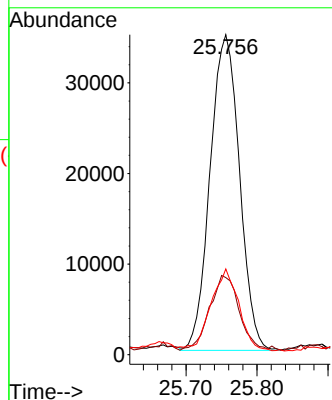
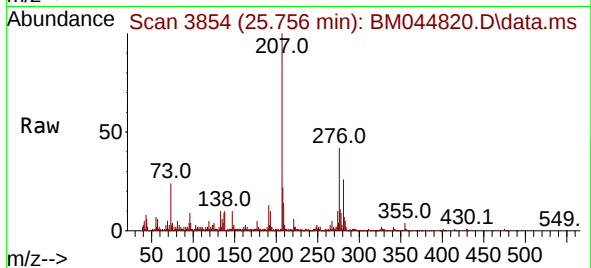
Tgt Ion:276 Resp: 100204

Ion Ratio Lower Upper

276 100

138 23.7 22.2 33.2

277 24.3 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 10.324 ng

RT: 22.839 min Scan# 3358

Delta R.T. -0.006 min

Lab File: BM044820.D

Acq: 29 Mar 2024 18:14

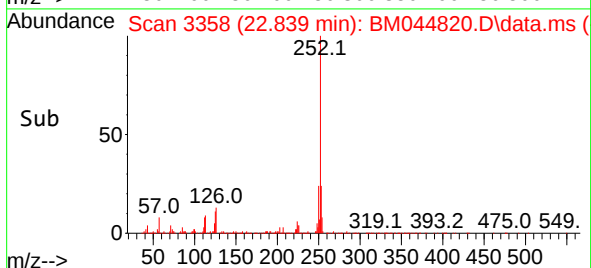
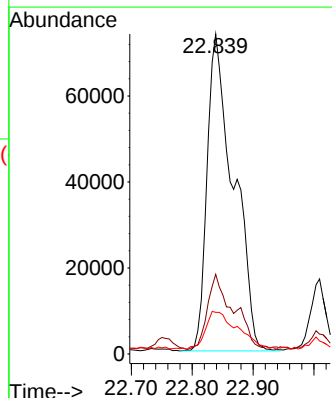
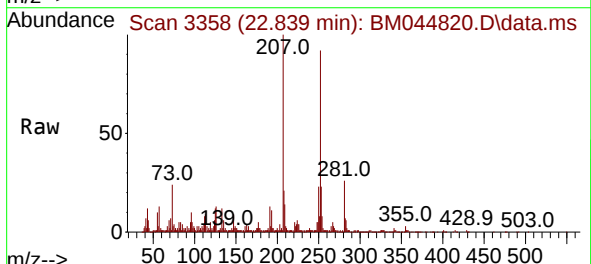
Tgt Ion:252 Resp: 221991

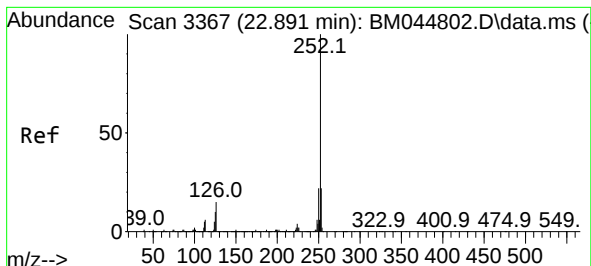
Ion Ratio Lower Upper

252 100

253 24.9 17.5 26.3

125 13.0 8.6 12.8#





#89

Benzo(k)fluoranthene

Concen: 10.281 ng

RT: 22.839 min Scan# 31

Delta R.T. -0.053 min

Lab File: BM044820.D

Acq: 29 Mar 2024 18:14

Instrument :

BNA_M

ClientSampleId :

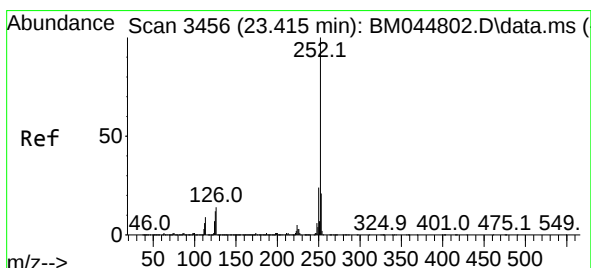
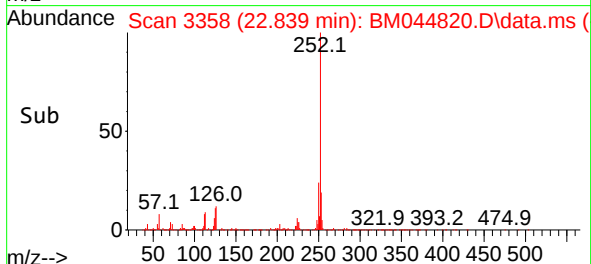
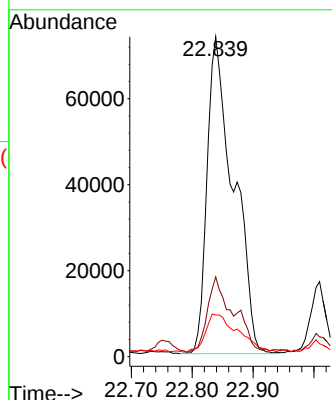
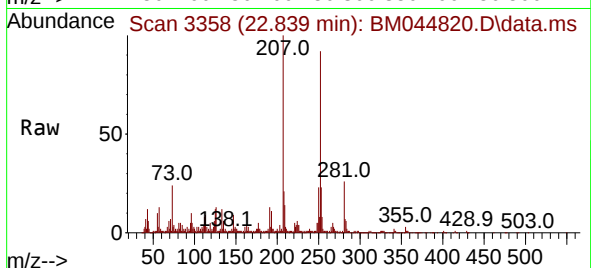
Tgt Ion:252 Resp: 221991

Ion Ratio Lower Upper

252 100

253 24.9 17.7 26.5

125 13.0 8.3 12.5#



#90

Benzo(a)pyrene

Concen: 6.270 ng

RT: 23.409 min Scan# 3455

Delta R.T. -0.006 min

Lab File: BM044820.D

Acq: 29 Mar 2024 18:14

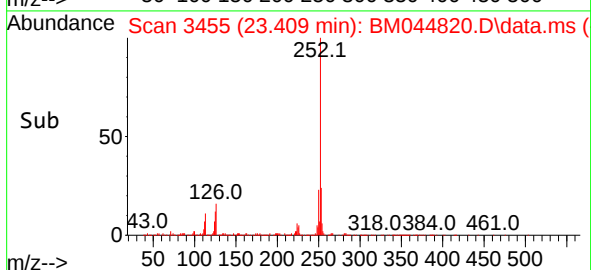
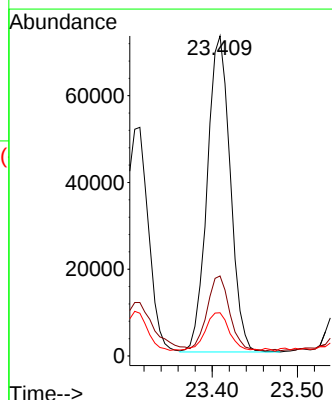
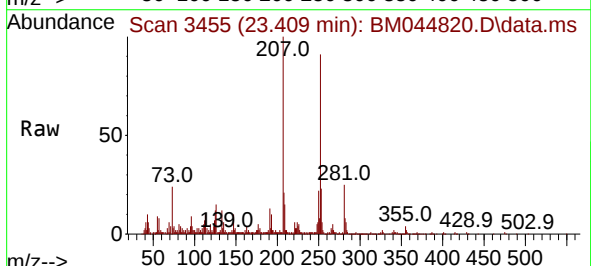
Tgt Ion:252 Resp: 136833

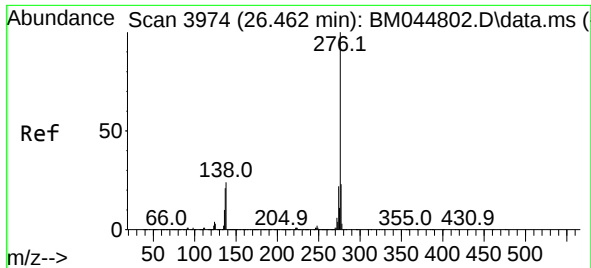
Ion Ratio Lower Upper

252 100

253 25.0 17.3 25.9

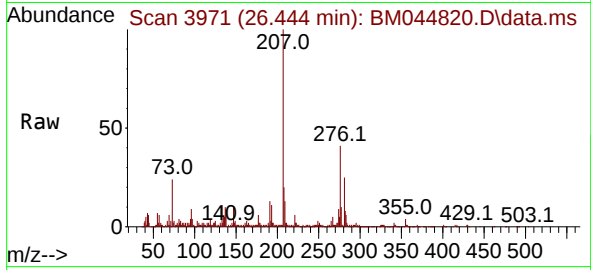
125 13.5 9.8 14.8





#92
 Benzo(g,h,i)perylene
 Concen: 4.491 ng
 RT: 26.444 min Scan# 3971
 Delta R.T. -0.017 min
 Lab File: BM044820.D
 Acq: 29 Mar 2024 18:14

Instrument :
 BNA_M
 ClientSampleId :



Tgt Ion:	276	Resp:	111544
Ion Ratio	Lower	Upper	
276	100		
277	24.7	18.6	28.0
138	22.6	19.2	28.8

