

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032924\
 Data File : BM044822.D
 Acq On : 29 Mar 2024 19:27
 Operator : MA/JU
 Sample : P1883-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 29 23:22:55 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)

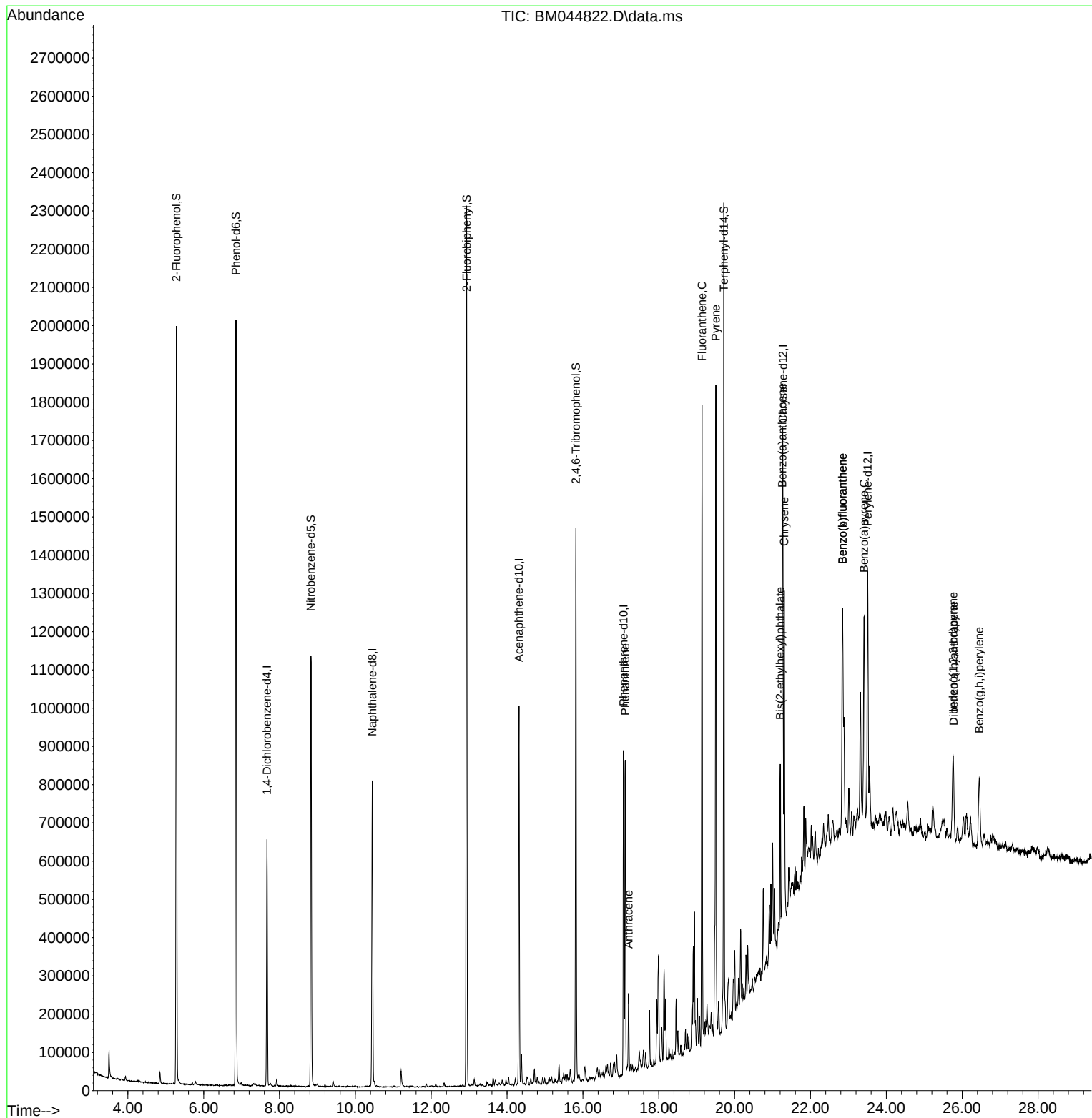
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.669	152	159294	20.000	ng	0.00
21) Naphthalene-d8	10.446	136	635209	20.000	ng	-0.01
39) Acenaphthene-d10	14.316	164	322414	20.000	ng	0.00
64) Phenanthrene-d10	17.069	188	496854	20.000	ng	-0.01
76) Chrysene-d12	21.274	240	378863	20.000	ng	0.00
86) Perylene-d12	23.509	264	452998	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.281	112	770236	69.251	ng	0.00
7) Phenol-d6	6.852	99	1015062	70.358	ng	0.00
23) Nitrobenzene-d5	8.828	82	628171	44.581	ng	-0.01
42) 2,4,6-Tribromophenol	15.816	330	227274	64.508	ng	0.00
45) 2-Fluorobiphenyl	12.934	172	1127058	44.772	ng	0.00
79) Terphenyl-d14	19.716	244	914922	40.926	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.116	178	462643	16.690	ng	100
72) Anthracene	17.204	178	121834	4.352	ng	99
75) Fluoranthene	19.139	202	910272	32.899	ng	99
78) Pyrene	19.504	202	999244	33.099	ng	100
81) Benzo(a)anthracene	21.257	228	496413	18.797	ng	99
83) Chrysene	21.310	228	428081	16.913	ng	96
84) Bis(2-ethylhexyl)phtha...	21.204	149	145039	9.691	ng	# 97
87) Indeno(1,2,3-cd)pyrene	25.762	276	220771	6.416	ng	95
88) Benzo(b)fluoranthene	22.845	252	628306	24.477	ng	# 96
89) Benzo(k)fluoranthene	22.845	252	628306	24.375	ng	# 96
90) Benzo(a)pyrene	23.409	252	369378	14.179	ng	95
91) Dibenzo(a,h)anthracene	25.774	278	61729	2.166	ng	# 89
92) Benzo(g,h,i)perylene	26.450	276	210413	7.096	ng	99

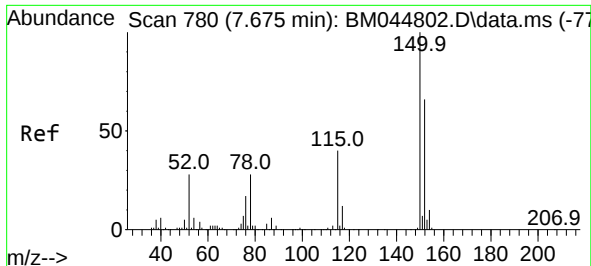
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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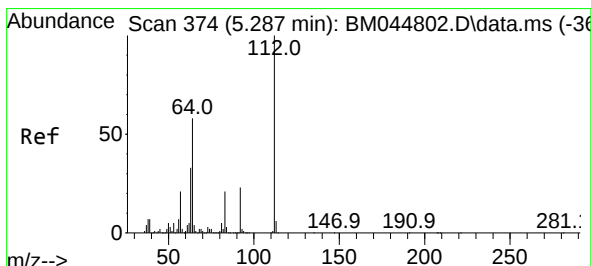
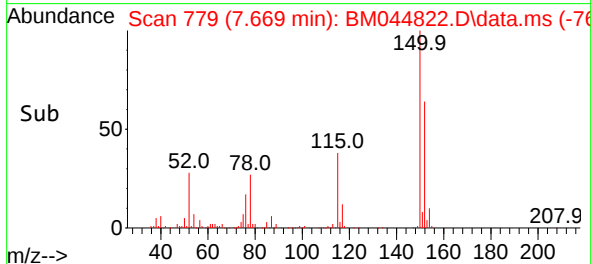
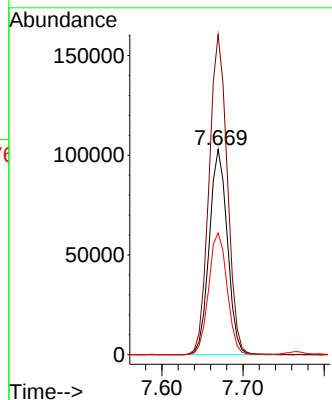
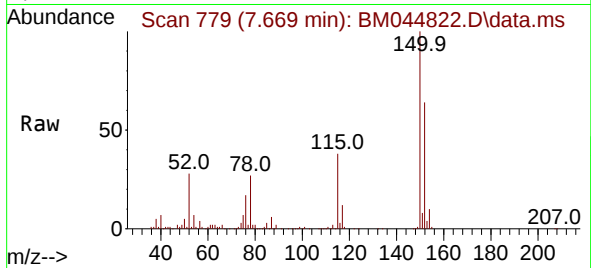




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.669 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM044822.D
Acq: 29 Mar 2024 19:27

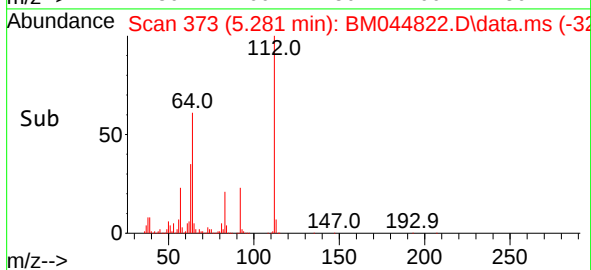
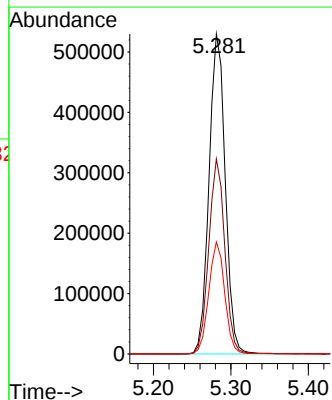
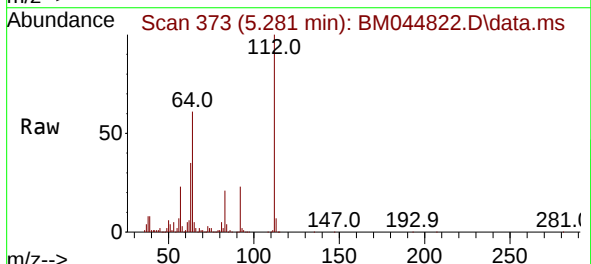
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BNA_M
ClientSampleId :

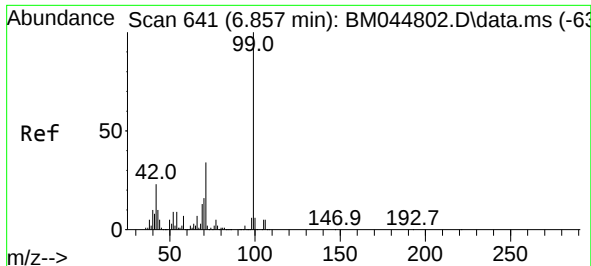
Tgt Ion:152 Resp: 159294
Ion Ratio Lower Upper
152 100
150 155.9 121.0 181.6
115 59.4 48.3 72.5



#5
2-Fluorophenol
Concen: 69.251 ng
RT: 5.281 min Scan# 373
Delta R.T. -0.005 min
Lab File: BM044822.D
Acq: 29 Mar 2024 19:27

Tgt Ion:112 Resp: 770236
Ion Ratio Lower Upper
112 100
64 61.0 46.4 69.6
63 35.0 26.2 39.4

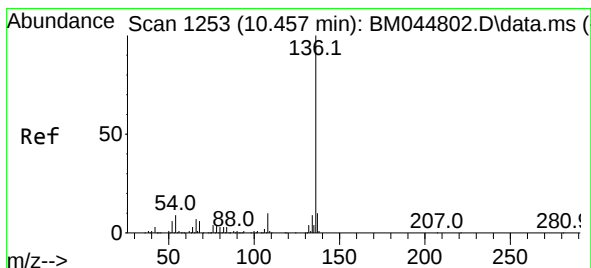
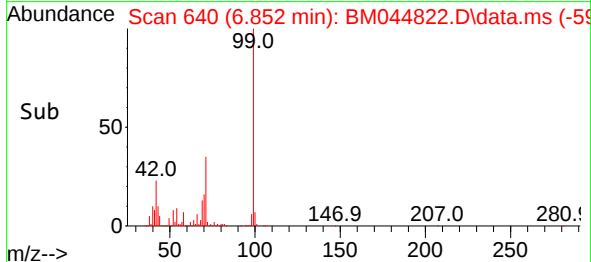
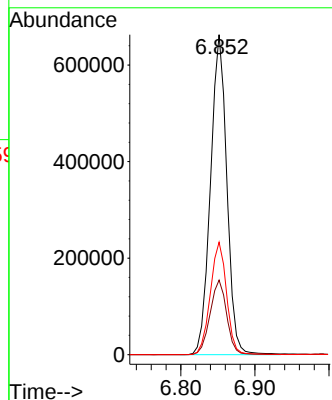
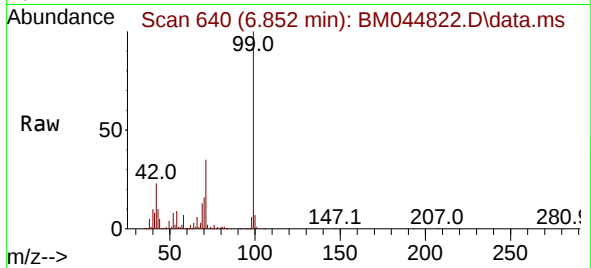




#7
Phenol-d6
Concen: 70.358 ng
RT: 6.852 min Scan# 641
Delta R.T. -0.005 min
Lab File: BM044822.D
Acq: 29 Mar 2024 19:27

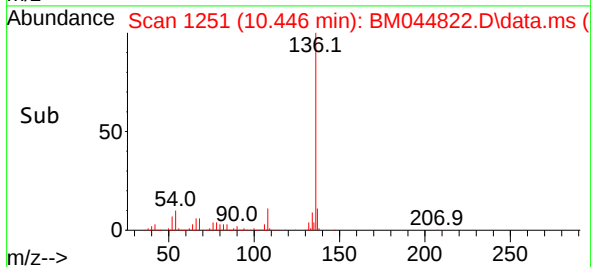
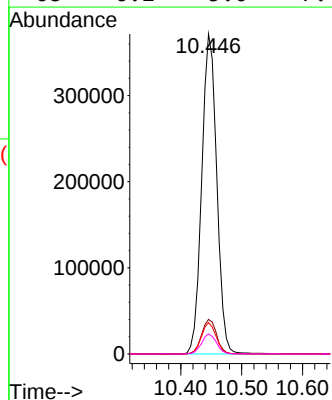
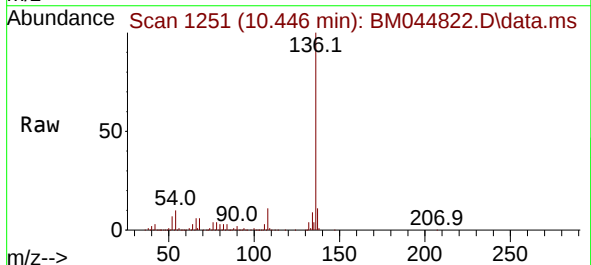
Instrument :
BNA_M
ClientSampleId :

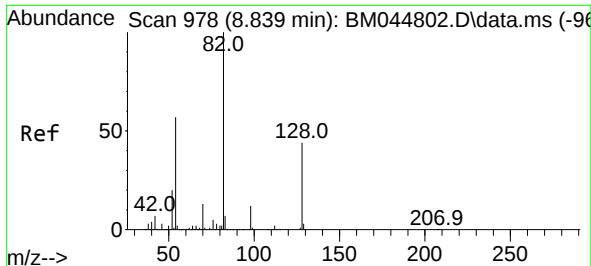
Tgt Ion: 99 Resp: 1015062
Ion Ratio Lower Upper
99 100
42 23.3 18.2 27.4
71 35.2 27.3 40.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.446 min Scan# 1251
Delta R.T. -0.011 min
Lab File: BM044822.D
Acq: 29 Mar 2024 19:27

Tgt Ion: 136 Resp: 635209
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 9.8 7.3 10.9
68 6.2 5.0 7.4

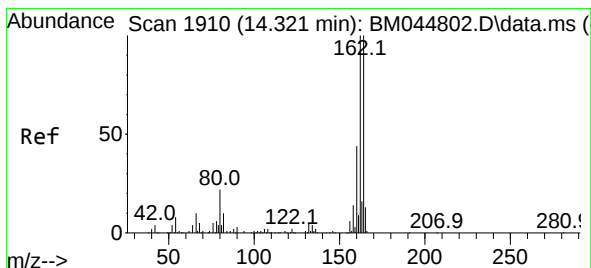
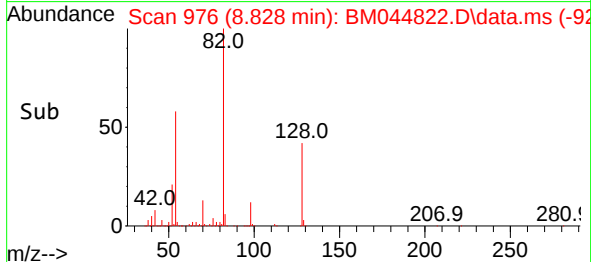
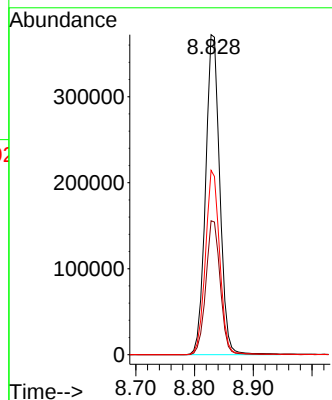
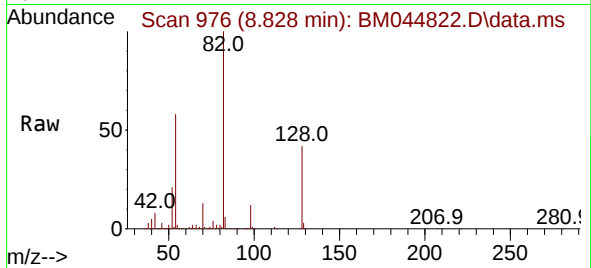




#23
Nitrobenzene-d5
Concen: 44.581 ng
RT: 8.828 min Scan# 91
Delta R.T. -0.011 min
Lab File: BM044822.D
Acq: 29 Mar 2024 19:27

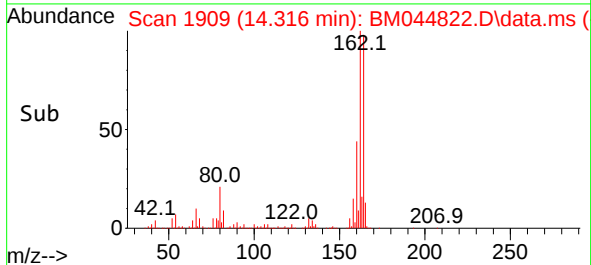
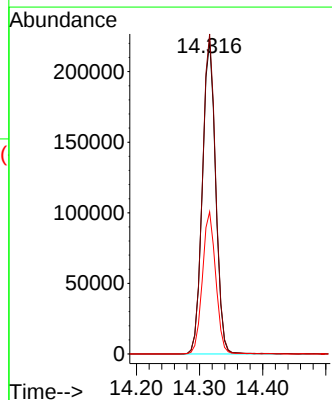
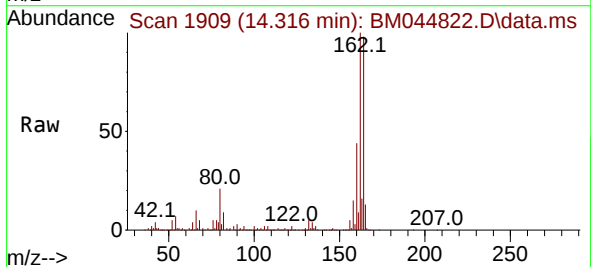
Instrument :
BNA_M
ClientSampleId :

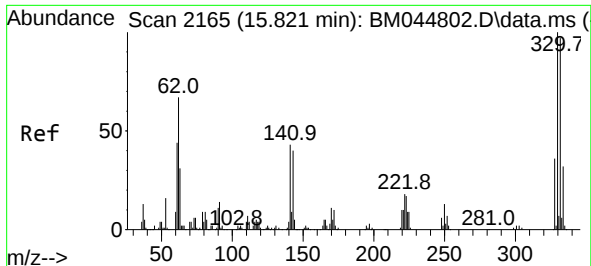
Tgt Ion: 82 Resp: 628171
Ion Ratio Lower Upper
82 100
128 41.8 34.8 52.2
54 57.6 45.4 68.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.316 min Scan# 1909
Delta R.T. -0.005 min
Lab File: BM044822.D
Acq: 29 Mar 2024 19:27

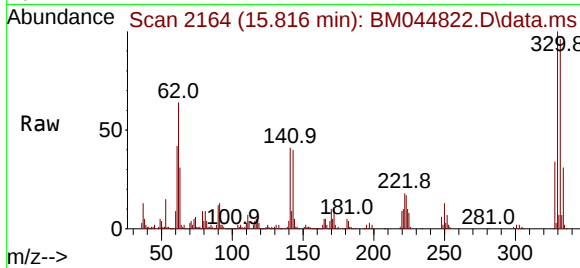
Tgt Ion:164 Resp: 322414
Ion Ratio Lower Upper
164 100
162 102.4 80.2 120.4
160 45.5 35.4 53.2



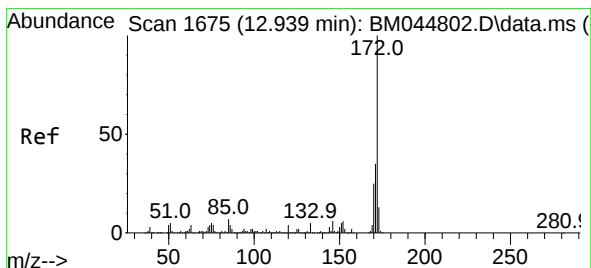
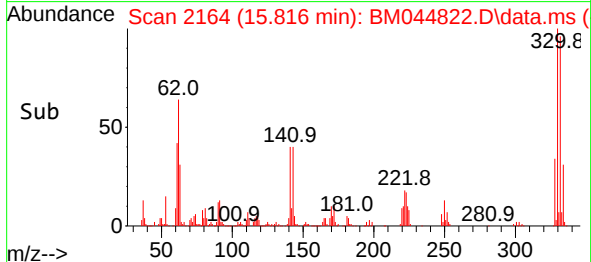
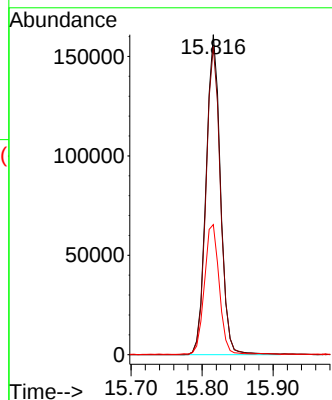


#42
2,4,6-Tribromophenol
Concen: 64.508 ng
RT: 15.816 min Scan# 2164
Delta R.T. -0.005 min
Lab File: BM044822.D
Acq: 29 Mar 2024 19:27

Instrument :
BNA_M
ClientSampleId :

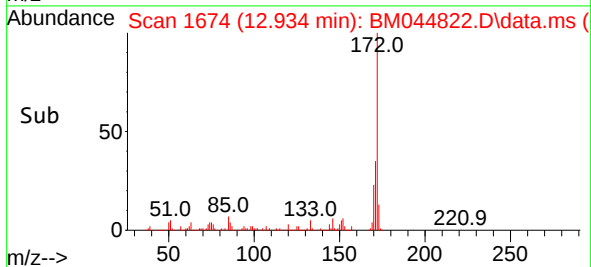
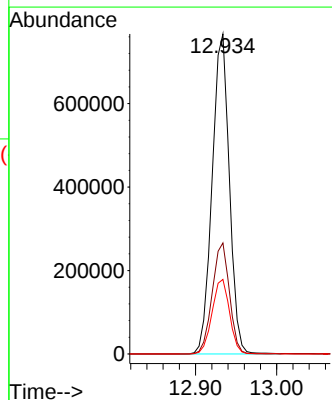
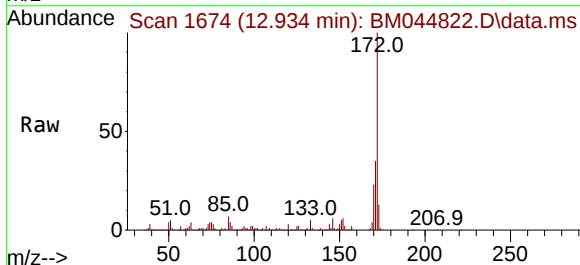


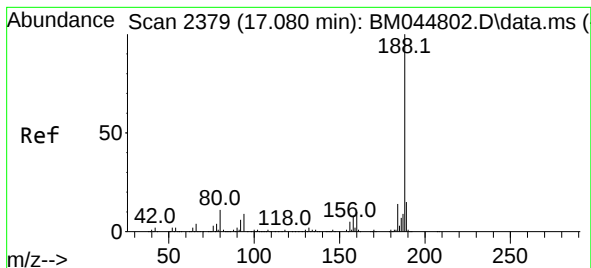
Tgt Ion:330 Resp: 227274
Ion Ratio Lower Upper
330 100
332 96.6 77.0 115.4
141 41.6 34.1 51.1



#45
2-Fluorobiphenyl
Concen: 44.772 ng
RT: 12.934 min Scan# 1674
Delta R.T. -0.005 min
Lab File: BM044822.D
Acq: 29 Mar 2024 19:27

Tgt Ion:172 Resp: 1127058
Ion Ratio Lower Upper
172 100
171 34.7 27.8 41.8
170 23.3 19.8 29.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.069 min Scan# 21

Delta R.T. -0.011 min

Lab File: BM044822.D

Acq: 29 Mar 2024 19:27

Instrument :

BNA_M

ClientSampleId :

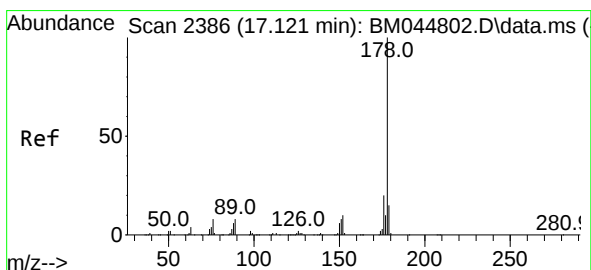
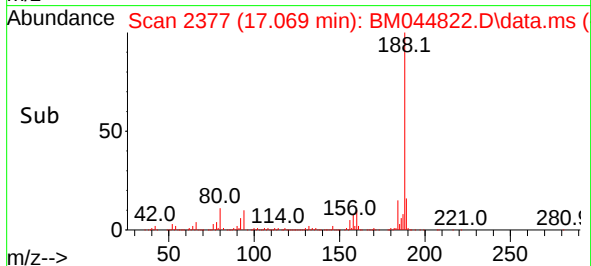
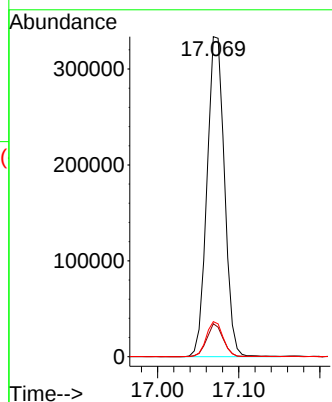
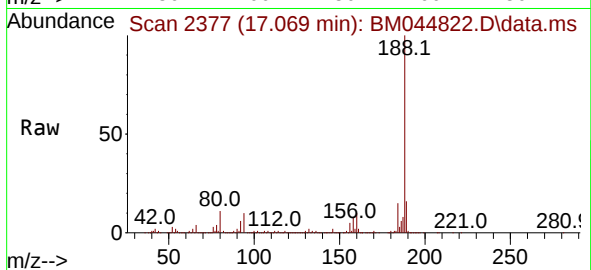
Tgt Ion:188 Resp: 496854

Ion Ratio Lower Upper

188 100

94 10.3 7.4 11.0

80 10.9 8.6 12.8



#71

Phenanthrene

Concen: 16.690 ng

RT: 17.116 min Scan# 2385

Delta R.T. -0.005 min

Lab File: BM044822.D

Acq: 29 Mar 2024 19:27

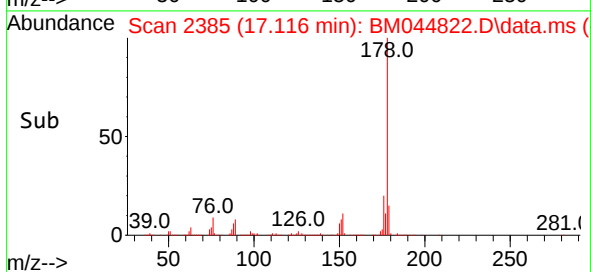
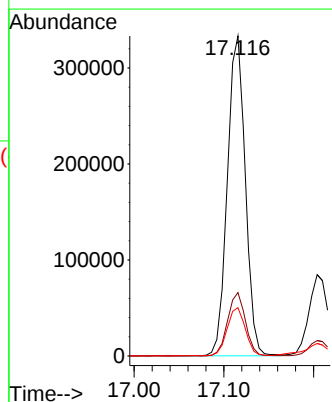
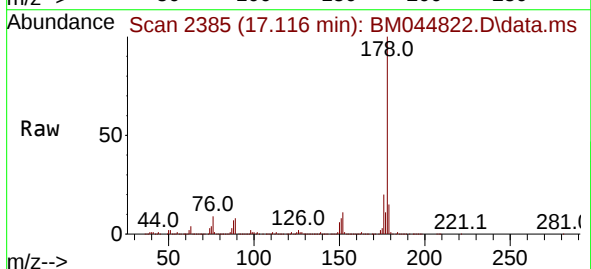
Tgt Ion:178 Resp: 462643

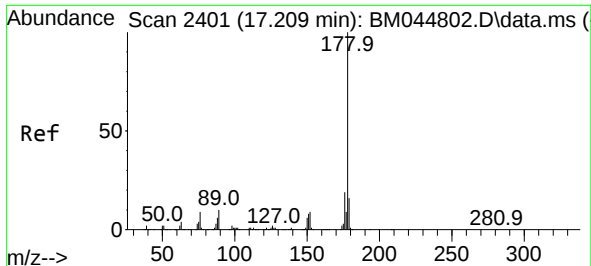
Ion Ratio Lower Upper

178 100

176 19.8 16.0 24.0

179 15.1 12.2 18.2

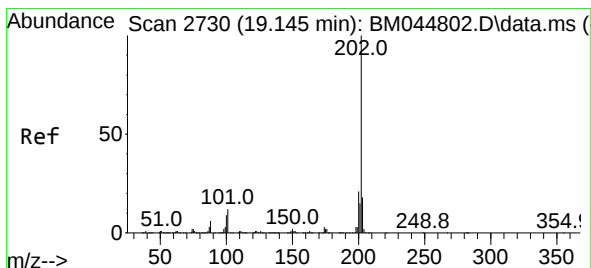
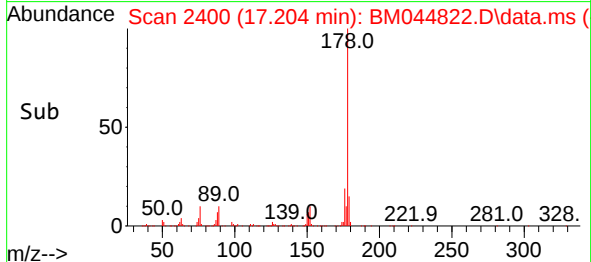
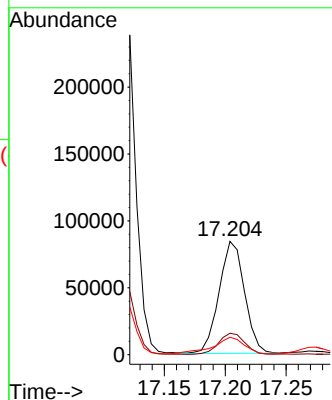
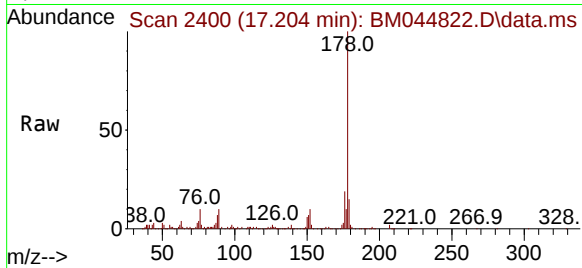




#72
 Anthracene
 Concen: 4.352 ng
 RT: 17.204 min Scan# 24
 Delta R.T. -0.005 min
 Lab File: BM044822.D
 Acq: 29 Mar 2024 19:27

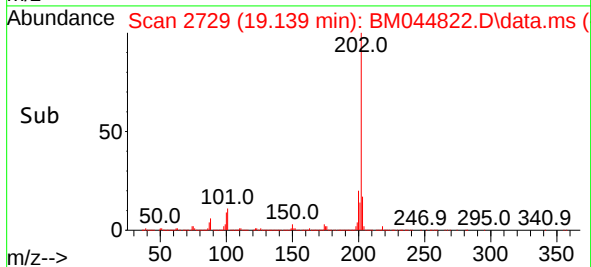
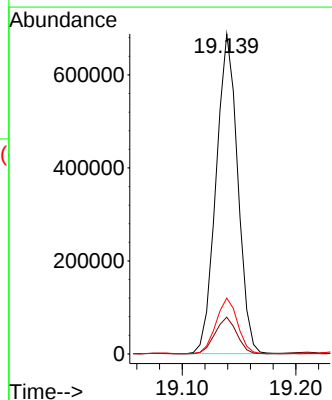
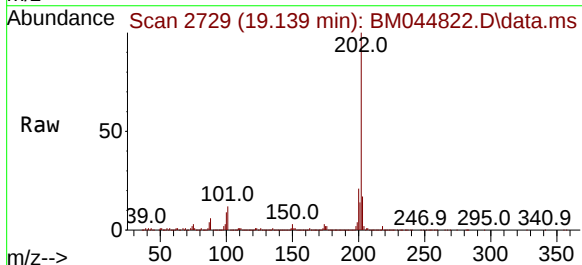
Instrument :
 BNA_M
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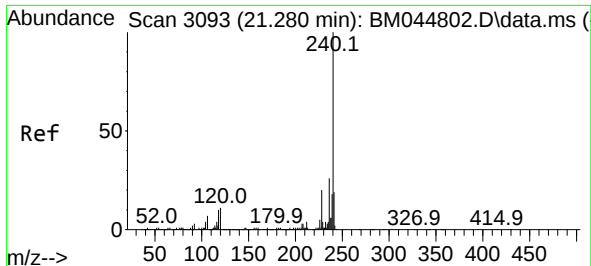
Tgt Ion:178 Resp: 121834
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.4 23.0
 179 15.4 12.8 19.2



#75
 Fluoranthene
 Concen: 32.899 ng
 RT: 19.139 min Scan# 2729
 Delta R.T. -0.005 min
 Lab File: BM044822.D
 Acq: 29 Mar 2024 19:27

Tgt Ion:202 Resp: 910272
 Ion Ratio Lower Upper
 202 100
 101 11.5 0.0 32.2
 203 17.4 0.0 37.6

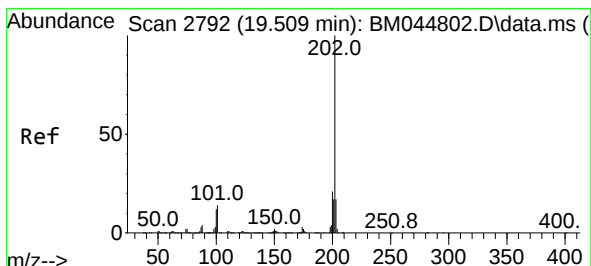
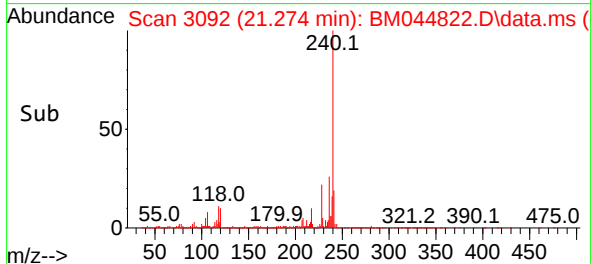
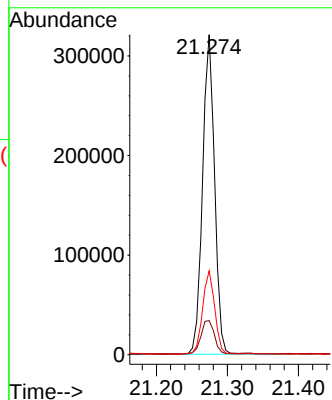
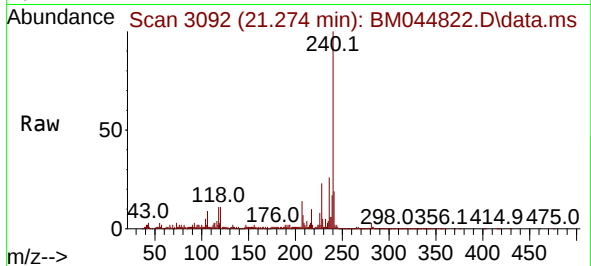




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.274 min Scan# 3092
Delta R.T. -0.005 min
Lab File: BM044822.D
Acq: 29 Mar 2024 19:27

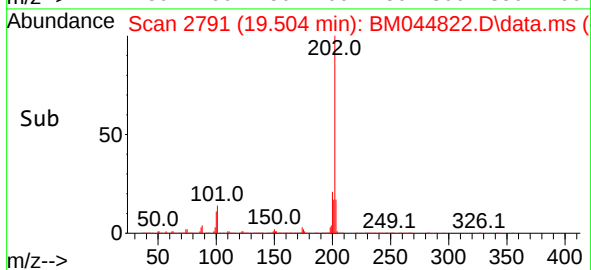
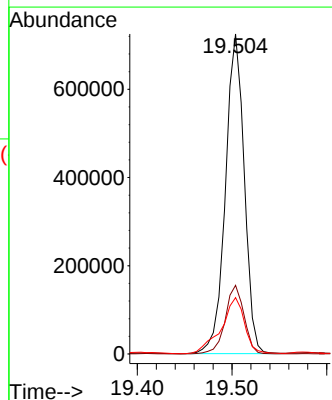
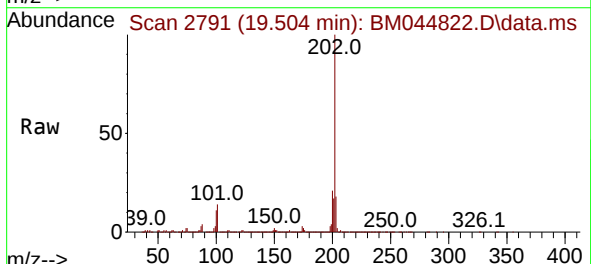
Instrument :
BNA_M
ClientSampleId :

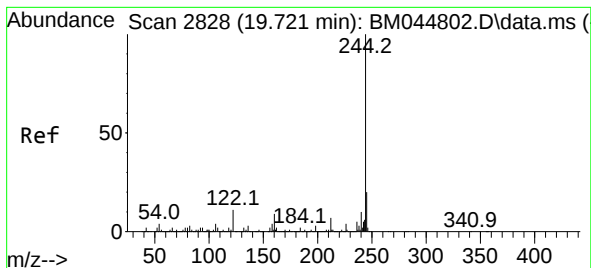
Tgt Ion:240 Resp: 378863
Ion Ratio Lower Upper
240 100
120 10.7 8.6 12.8
236 26.2 20.8 31.2



#78
Pyrene
Concen: 33.099 ng
RT: 19.504 min Scan# 2791
Delta R.T. -0.005 min
Lab File: BM044822.D
Acq: 29 Mar 2024 19:27

Tgt Ion:202 Resp: 999244
Ion Ratio Lower Upper
202 100
200 21.4 17.0 25.4
203 17.6 13.9 20.9





#79

Terphenyl-d14

Concen: 40.926 ng

RT: 19.716 min Scan# 21

Delta R.T. -0.005 min

Lab File: BM044822.D

Acq: 29 Mar 2024 19:27

Instrument :

BNA_M

ClientSampleId :

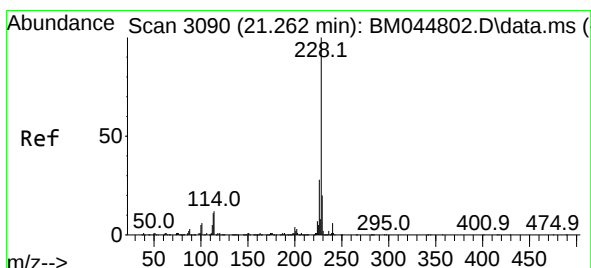
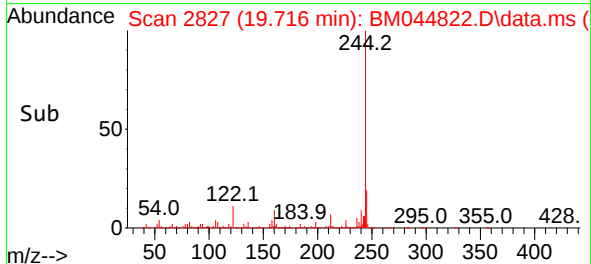
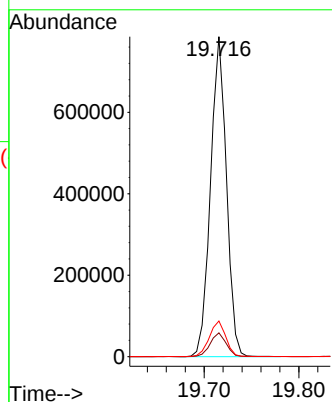
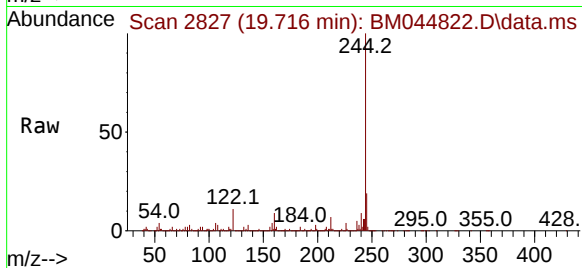
Tgt Ion:244 Resp: 914922

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

122 11.1 8.8 13.2



#81

Benzo(a)anthracene

Concen: 18.797 ng

RT: 21.257 min Scan# 3089

Delta R.T. -0.005 min

Lab File: BM044822.D

Acq: 29 Mar 2024 19:27

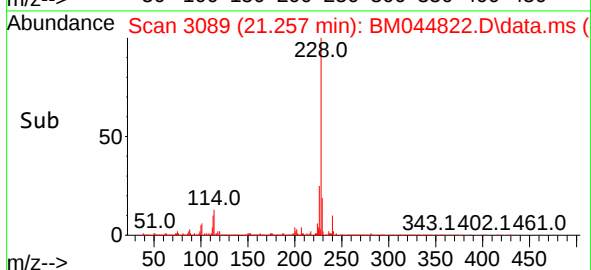
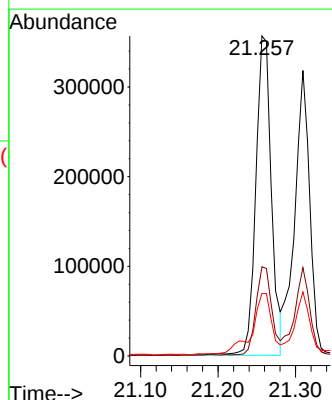
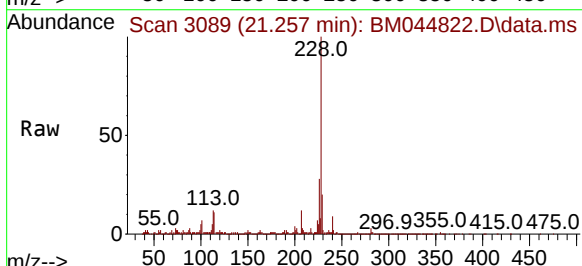
Tgt Ion:228 Resp: 496413

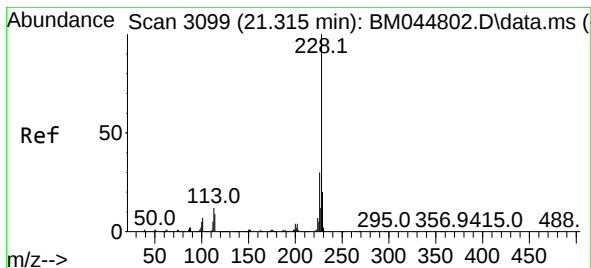
Ion Ratio Lower Upper

228 100

226 27.9 22.1 33.1

229 19.5 15.8 23.8





#83

Chrysene

Concen: 16.913 ng

RT: 21.310 min Scan# 3099

Delta R.T. -0.005 min

Lab File: BM044822.D

Acq: 29 Mar 2024 19:27

Instrument :

BNA_M

ClientSampleId :

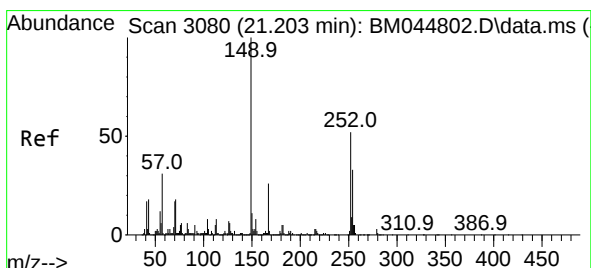
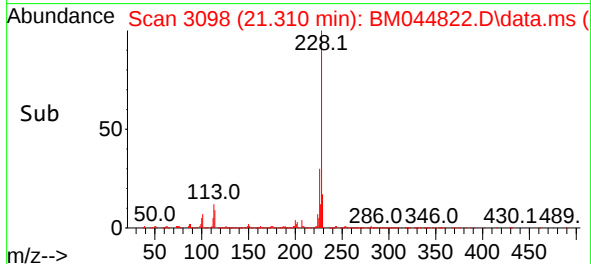
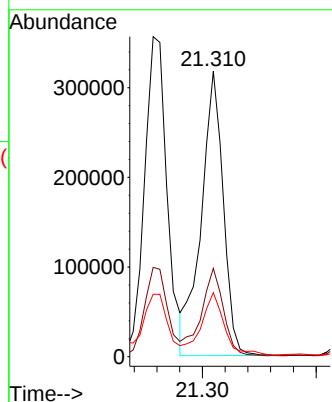
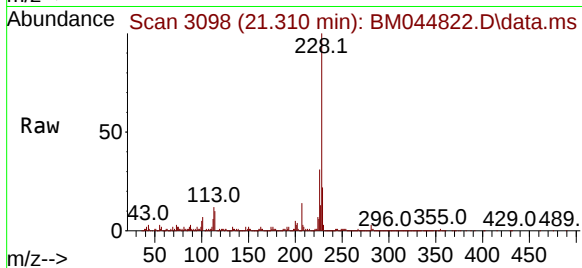
Tgt Ion:228 Resp: 428081

Ion Ratio Lower Upper

228 100

226 31.0 23.7 35.5

229 22.4 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.691 ng

RT: 21.204 min Scan# 3080

Delta R.T. 0.000 min

Lab File: BM044822.D

Acq: 29 Mar 2024 19:27

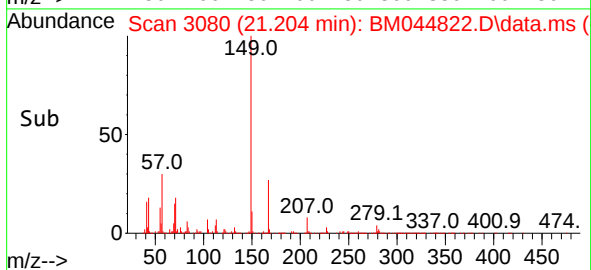
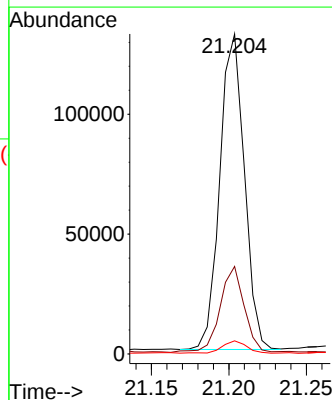
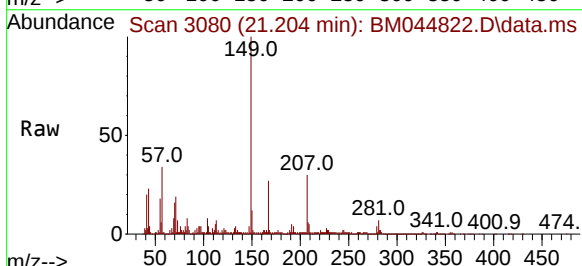
Tgt Ion:149 Resp: 145039

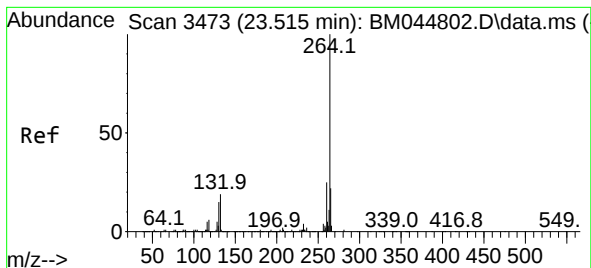
Ion Ratio Lower Upper

149 100

167 27.4 20.5 30.7

279 4.1 2.7 4.1#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.509 min Scan# 34

Delta R.T. -0.005 min

Lab File: BM044822.D

Acq: 29 Mar 2024 19:27

Instrument :

BNA_M

ClientSampleId :

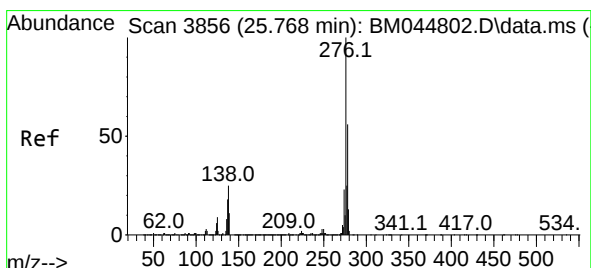
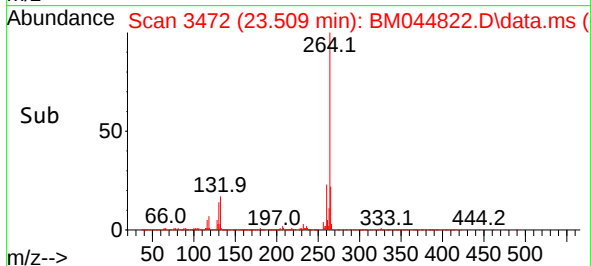
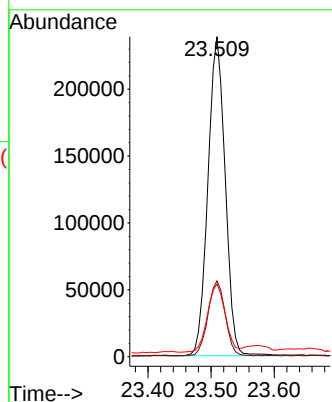
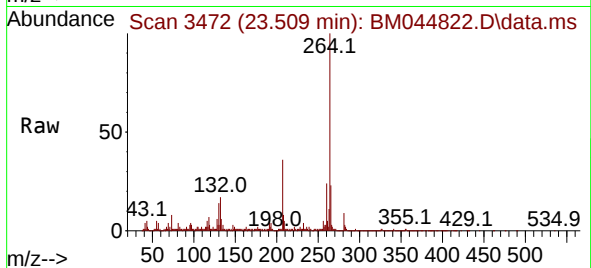
Tgt Ion:264 Resp: 452998

Ion Ratio Lower Upper

264 100

260 23.7 19.7 29.5

265 22.8 18.9 28.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.416 ng

RT: 25.762 min Scan# 3855

Delta R.T. -0.005 min

Lab File: BM044822.D

Acq: 29 Mar 2024 19:27

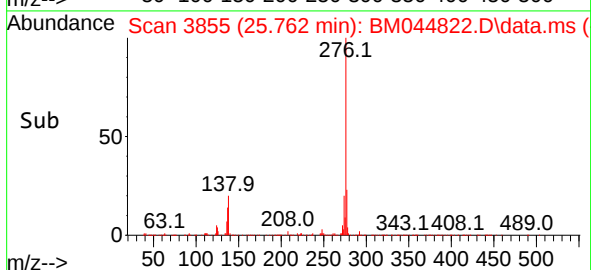
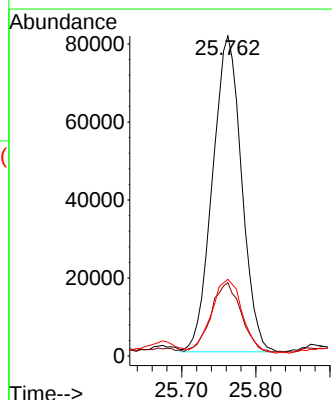
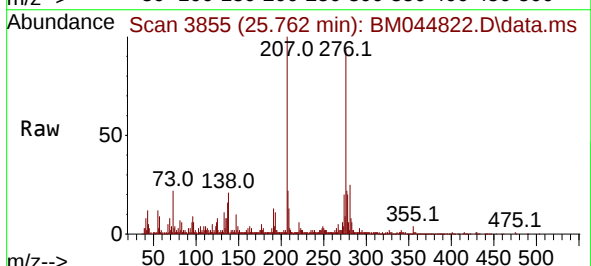
Tgt Ion:276 Resp: 220771

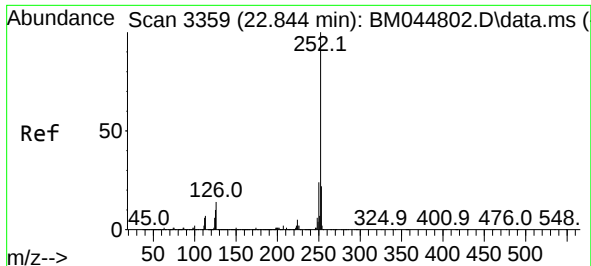
Ion Ratio Lower Upper

276 100

138 23.4 22.2 33.2

277 24.9 20.2 30.4

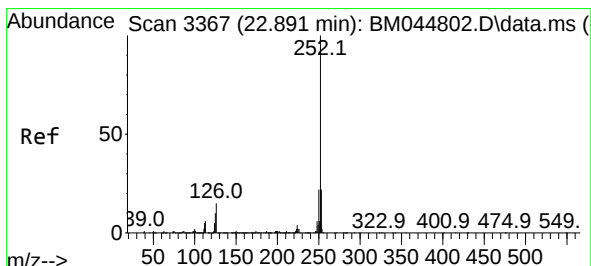
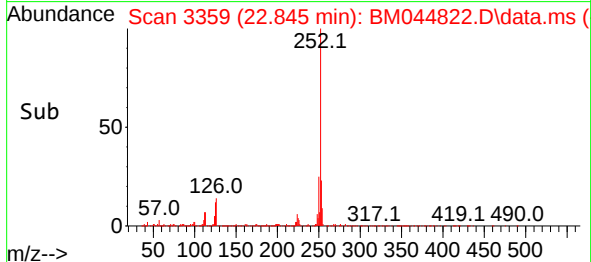
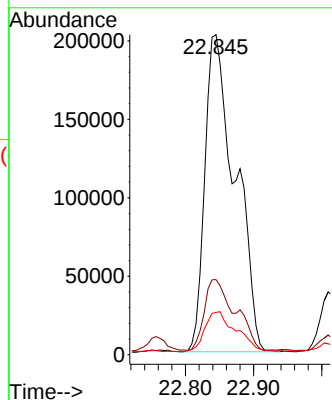
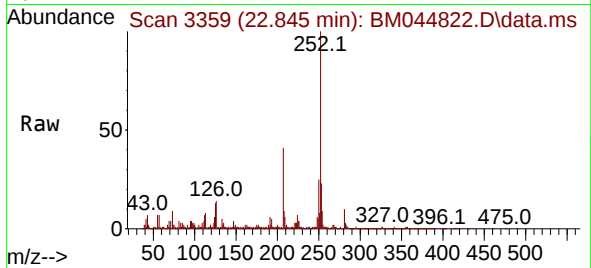




#88
Benzo(b)fluoranthene
Concen: 24.477 ng
RT: 22.845 min Scan# 3359
Delta R.T. 0.000 min
Lab File: BM044822.D
Acq: 29 Mar 2024 19:27

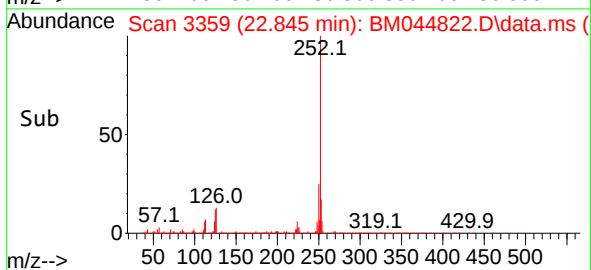
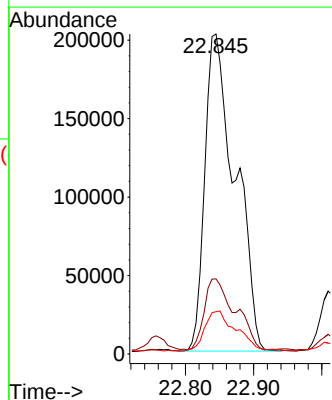
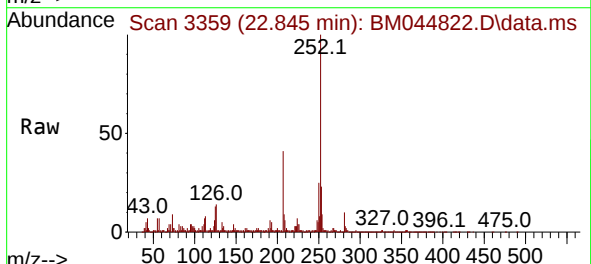
Instrument :
BNA_M
ClientSampleId :

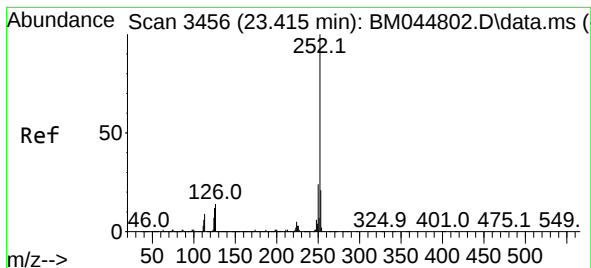
Tgt Ion:252 Resp: 628306
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 13.2 8.6 12.8#



#89
Benzo(k)fluoranthene
Concen: 24.375 ng
RT: 22.845 min Scan# 3359
Delta R.T. -0.047 min
Lab File: BM044822.D
Acq: 29 Mar 2024 19:27

Tgt Ion:252 Resp: 628306
Ion Ratio Lower Upper
252 100
253 23.5 17.7 26.5
125 13.2 8.3 12.5#





#90

Benzo(a)pyrene

Concen: 14.179 ng

RT: 23.409 min Scan# 34

Delta R.T. -0.005 min

Lab File: BM044822.D

Acq: 29 Mar 2024 19:27

Instrument :

BNA_M

ClientSampleId :

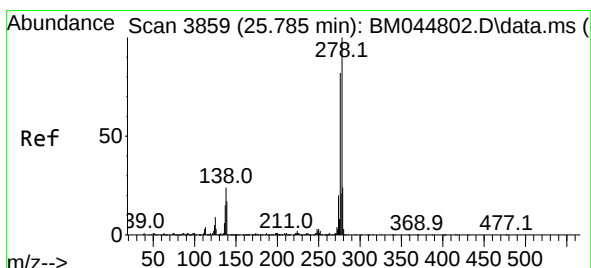
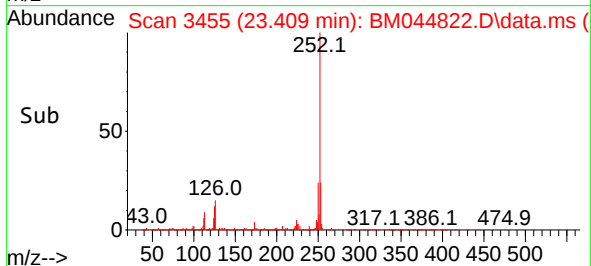
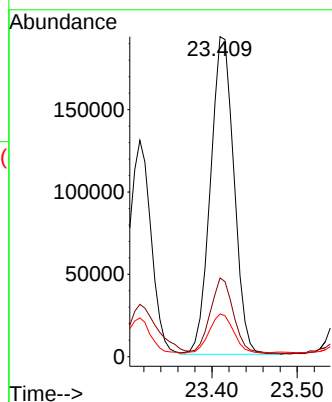
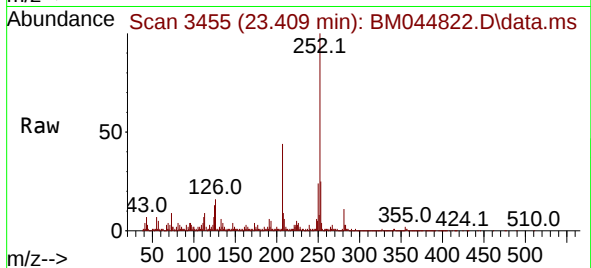
Tgt Ion:252 Resp: 369378

Ion Ratio Lower Upper

252 100

253 24.6 17.3 25.9

125 13.3 9.8 14.8



#91

Dibenzo(a,h)anthracene

Concen: 2.166 ng

RT: 25.774 min Scan# 3857

Delta R.T. -0.011 min

Lab File: BM044822.D

Acq: 29 Mar 2024 19:27

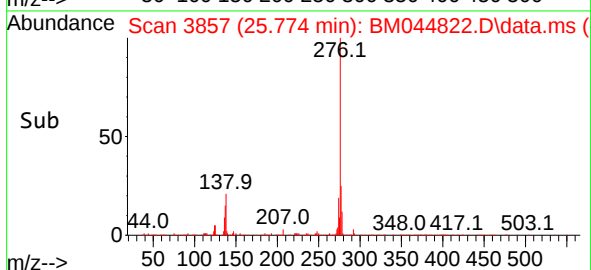
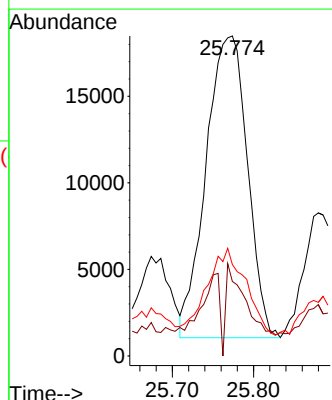
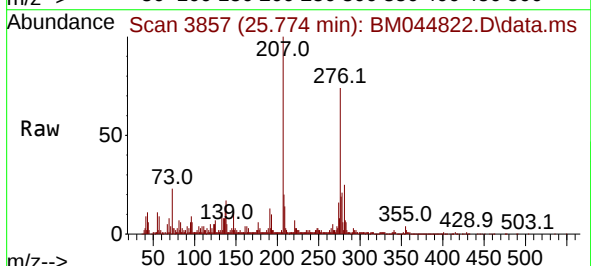
Tgt Ion:278 Resp: 61729

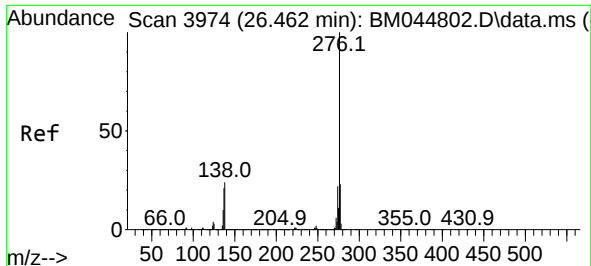
Ion Ratio Lower Upper

278 100

139 23.3 13.6 20.4#

279 28.6 19.6 29.4





#92

Benzo(g,h,i)perylene

Concen: 7.096 ng

RT: 26.450 min Scan# 3972

Delta R.T. -0.011 min

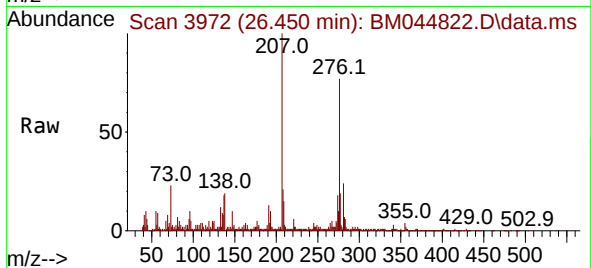
Lab File: BM044822.D

Acq: 29 Mar 2024 19:27

Instrument :

BNA_M

ClientSampleId :



Tgt Ion:276 Resp: 210413

Ion Ratio Lower Upper

276 100

277 24.5 18.6 28.0

138 24.2 19.2 28.8

