

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072624\
 Data File : BM046872.D
 Acq On : 27 Jul 2024 17:42
 Operator : MA/JU
 Sample : P3263-15
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4CK3

Quant Time: Jul 28 23:31:27 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM072424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 24 15:10:37 2024
 Response via : Initial Calibration

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

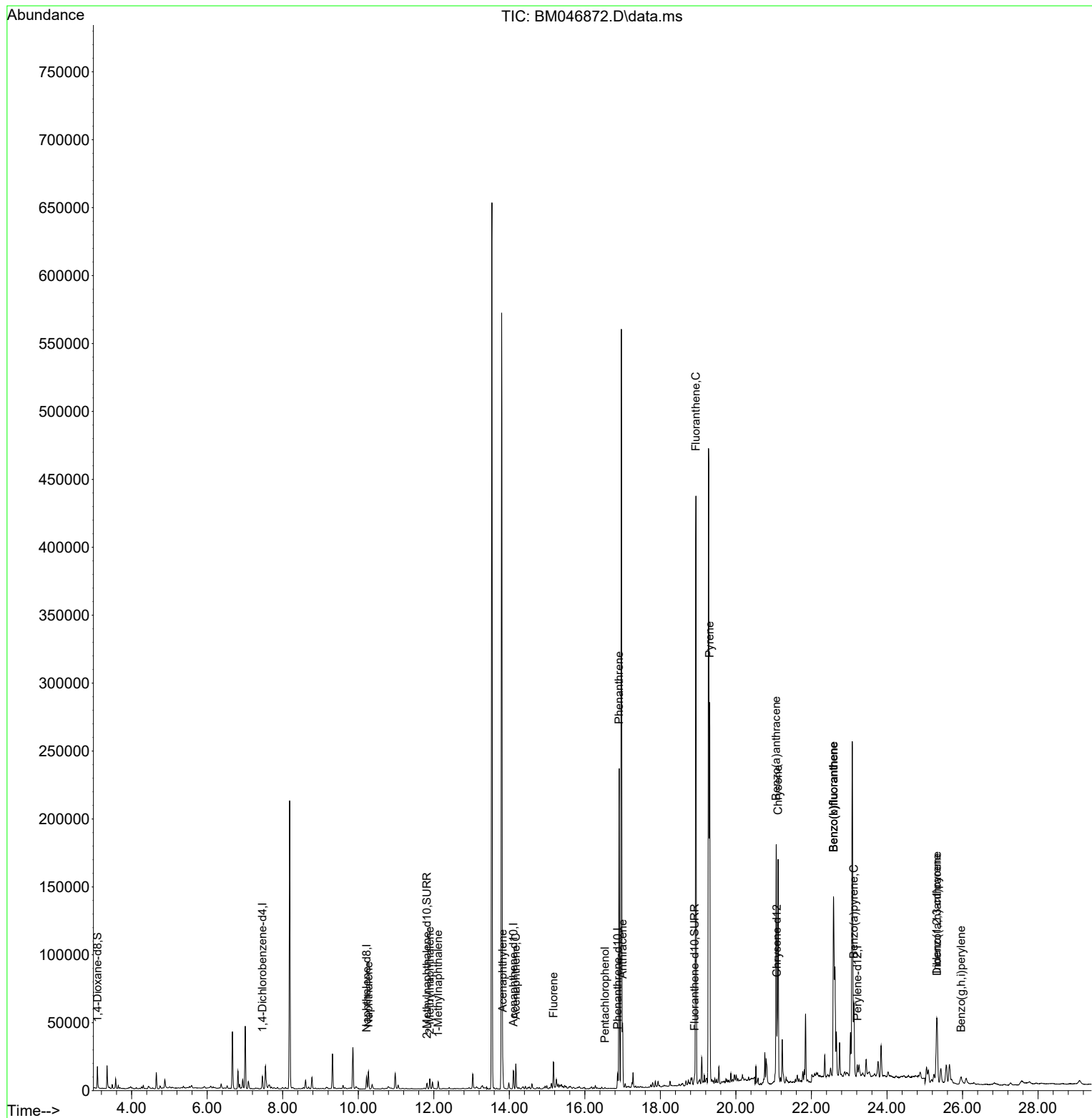
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.463	152	4159	0.400	ng/ul	0.00
4) Naphthalene-d8	10.220	136	12137	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.112	164	7251	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.865	188	13286	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.082	240	7111	0.400	ng/ul	# 0.00
23) Perylene-d12	23.215	264	7451	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.092	96	9267	3.182	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.821	152	4984	0.258	ng/ul	0.00
18) Fluoranthene-d10	18.908	212	7341	0.317	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.270	128	16813	0.548	ng/ul	98
7) 2-Methylnaphthalene	11.898	142	5195	0.246	ng/ul	98
8) 1-Methylnaphthalene	12.117	142	3468	0.159	ng/ul	99
10) Acenaphthylene	13.825	152	19296	0.581	ng/ul	99
11) Acenaphthene	14.172	153	10573	0.469	ng/ul	99
12) Fluorene	15.172	166	12141	0.431	ng/ul	98
14) Pentachlorophenol	16.532	266	373	0.062	ng/ul	95
15) Phenanthrene	16.908	178	235040	6.155	ng/ul	97
16) Anthracene	17.001	178	47292	1.330	ng/ul	100
19) Fluoranthene	18.940	202	381044	12.201	ng/ul	99
20) Pyrene	19.303	202	245556	7.601	ng/ul	99
21) Benzo(a)anthracene	21.064	228	151105	5.099	ng/ul	97
22) Chrysene	21.117	228	154355	5.128	ng/ul	98
24) Benzo(b)fluoranthene	22.584	252	287135	8.778	ng/ul	93
25) Benzo(k)fluoranthene	22.584	252	287135	8.710	ng/ul#	90
26) Benzo(a)pyrene	23.122	252	72275	3.078	ng/ul#	90
27) Indeno(1,2,3-cd)pyrene	25.320	276	75660	2.093	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.326	278	26206	0.990	ng/ul#	91
29) Benzo(g,h,i)perylene	25.964	276	12447	0.391	ng/ul#	76

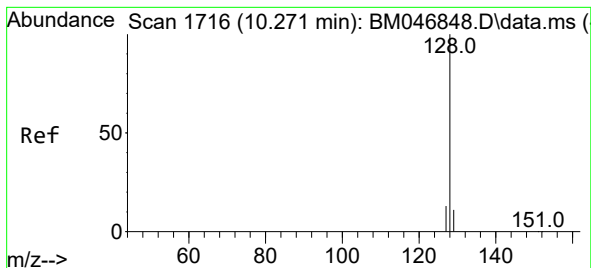
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.548 ng/ul

RT: 10.270 min Scan# 1716

Delta R.T. -0.007 min

Lab File: BM046872.D

Acq: 27 Jul 2024 17:42

Instrument :

BNA_M

ClientSampleId :

A4CK3

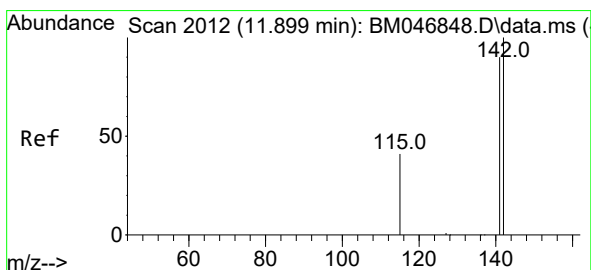
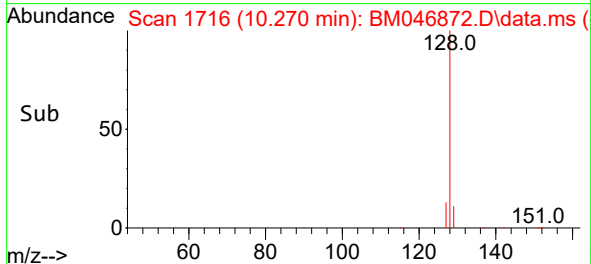
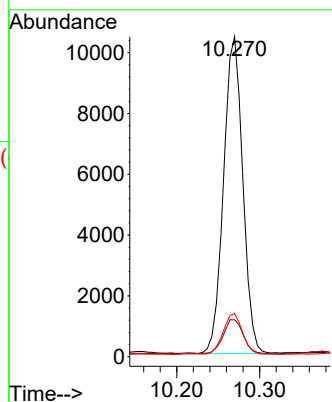
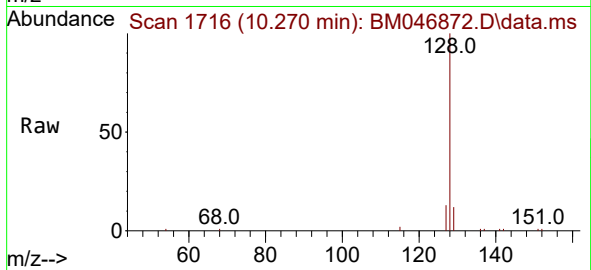
Tgt Ion:128 Resp: 16813

Ion Ratio Lower Upper

128 100

129 11.5 10.1 15.1

127 13.5 11.5 17.3



#7

2-Methylnaphthalene

Concen: 0.246 ng/ul

RT: 11.898 min Scan# 2012

Delta R.T. -0.007 min

Lab File: BM046872.D

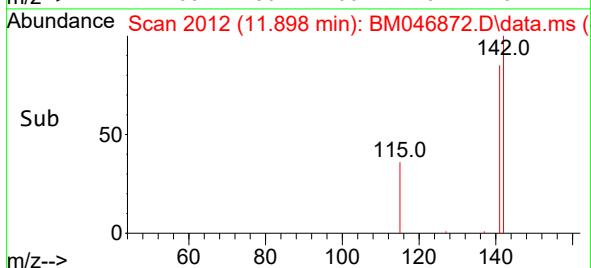
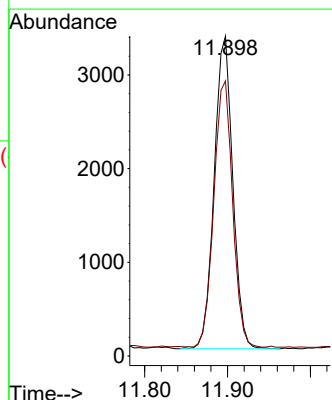
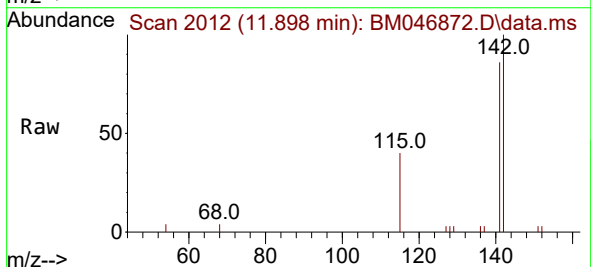
Acq: 27 Jul 2024 17:42

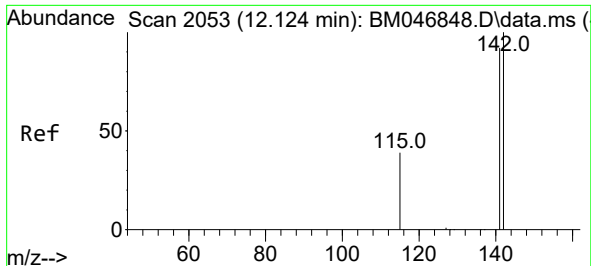
Tgt Ion:142 Resp: 5195

Ion Ratio Lower Upper

142 100

141 85.9 70.5 105.7

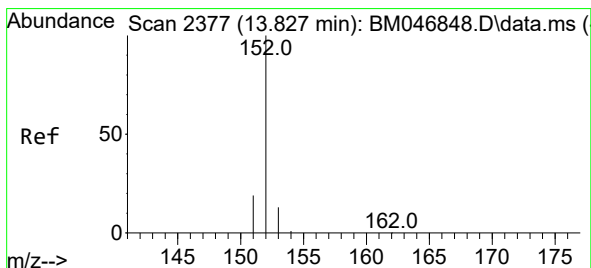
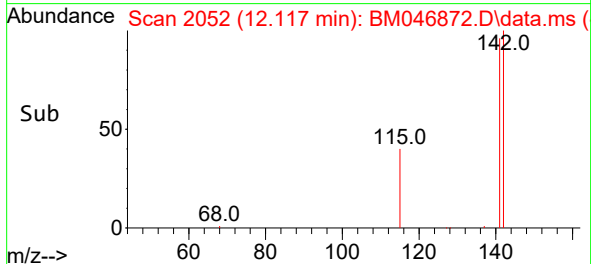
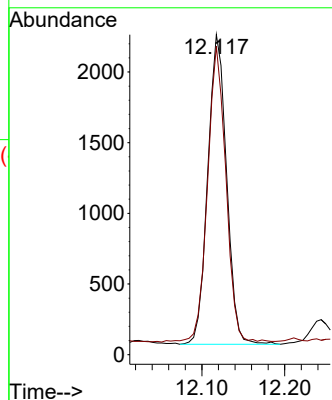
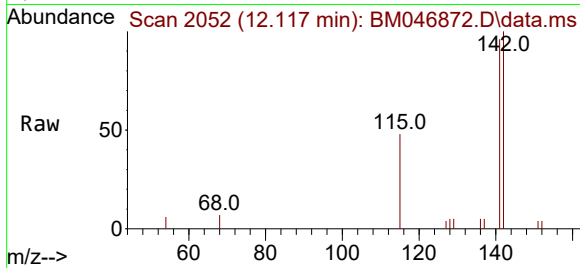




#8
1-Methylnaphthalene
Concen: 0.159 ng/ul
RT: 12.117 min Scan# 2052
Delta R.T. -0.012 min
Lab File: BM046872.D
Acq: 27 Jul 2024 17:42

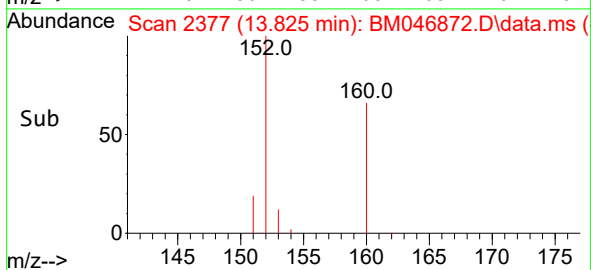
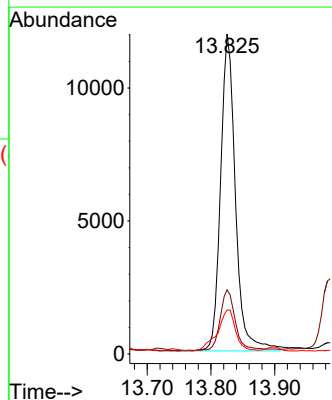
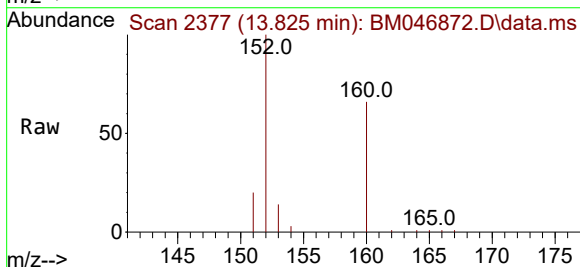
Instrument :
BNA_M
ClientSampleId :
A4CK3

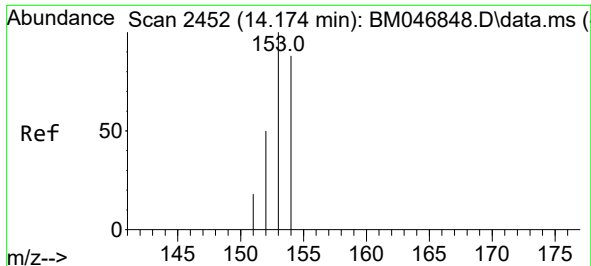
Tgt Ion:142 Resp: 3468
Ion Ratio Lower Upper
142 100
141 92.4 73.1 109.7



#10
Acenaphthylene
Concen: 0.581 ng/ul
RT: 13.825 min Scan# 2377
Delta R.T. -0.006 min
Lab File: BM046872.D
Acq: 27 Jul 2024 17:42

Tgt Ion:152 Resp: 19296
Ion Ratio Lower Upper
152 100
151 20.1 16.8 25.2
153 13.7 11.0 16.6

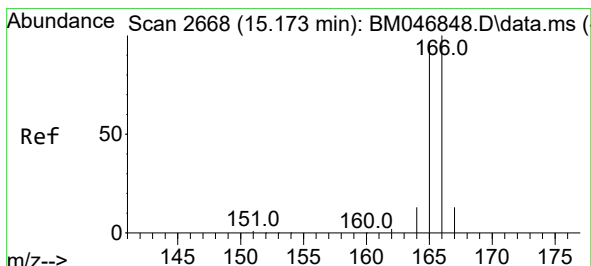
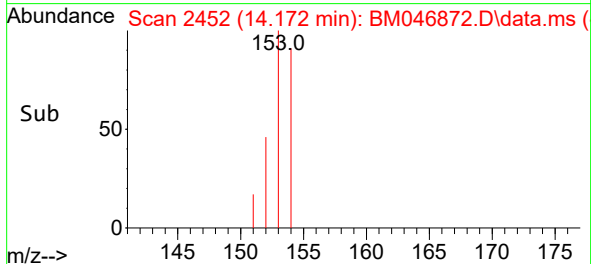
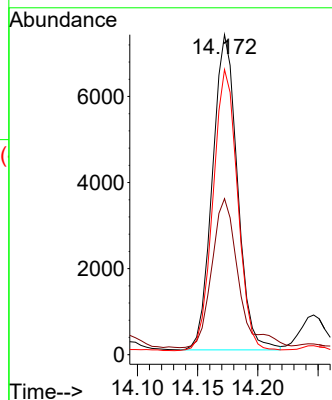
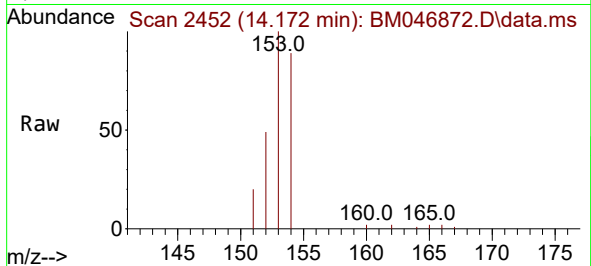




#11
Acenaphthene
Concen: 0.469 ng/ul
RT: 14.172 min Scan# 2452
Delta R.T. -0.011 min
Lab File: BM046872.D
Acq: 27 Jul 2024 17:42

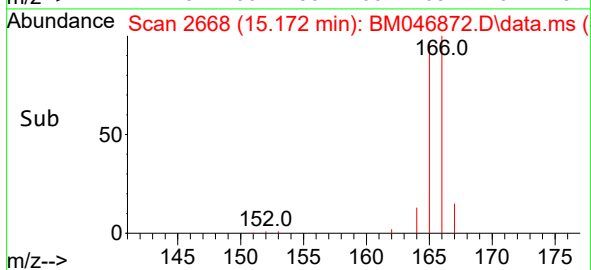
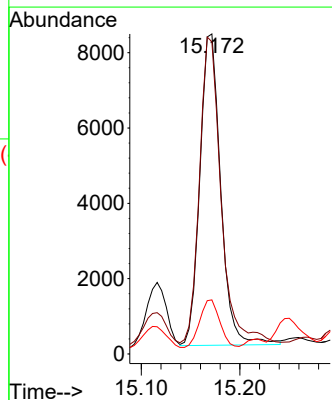
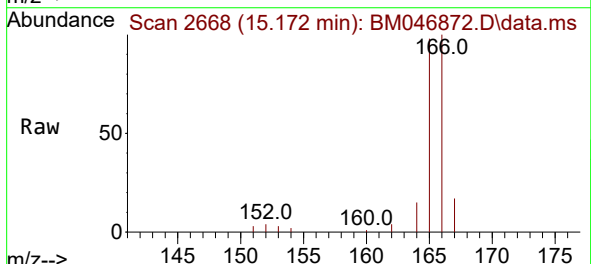
Instrument :
BNA_M
ClientSampleId :
A4CK3

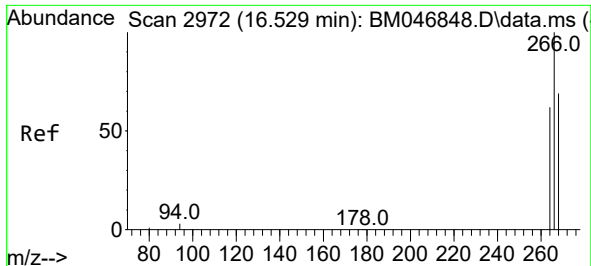
Tgt Ion:153 Resp: 10573
Ion Ratio Lower Upper
153 100
152 48.8 38.6 57.8
154 89.1 70.8 106.2



#12
Fluorene
Concen: 0.431 ng/ul
RT: 15.172 min Scan# 2668
Delta R.T. -0.006 min
Lab File: BM046872.D
Acq: 27 Jul 2024 17:42

Tgt Ion:166 Resp: 12141
Ion Ratio Lower Upper
166 100
165 97.5 79.8 119.6
167 16.9 12.3 18.5

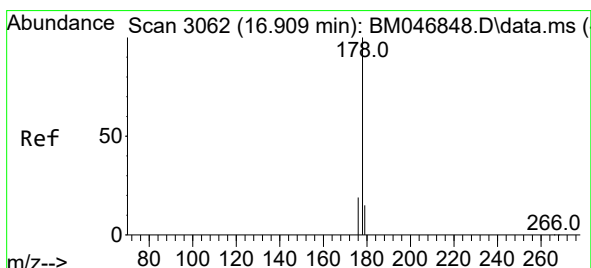
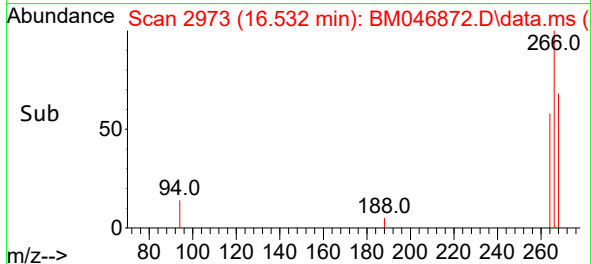
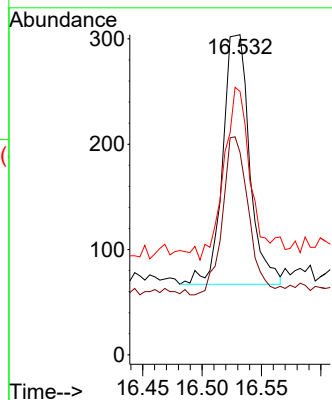
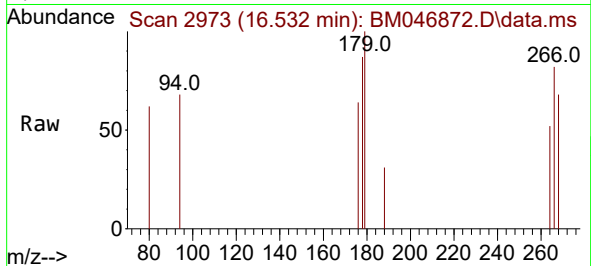




#14
 Pentachlorophenol
 Concen: 0.062 ng/ul
 RT: 16.532 min Scan# 2972
 Delta R.T. -0.001 min
 Lab File: BM046872.D
 Acq: 27 Jul 2024 17:42

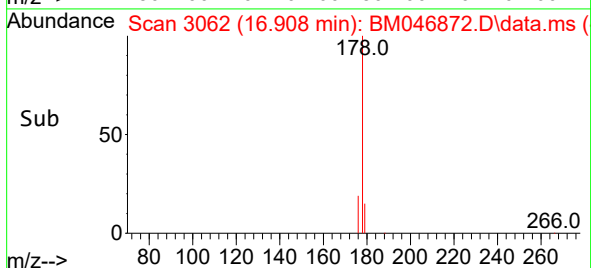
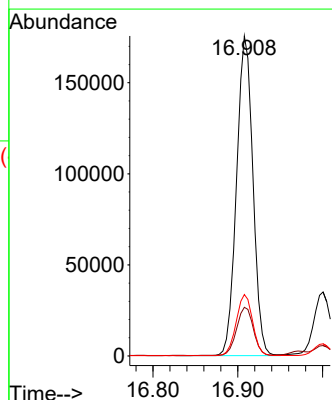
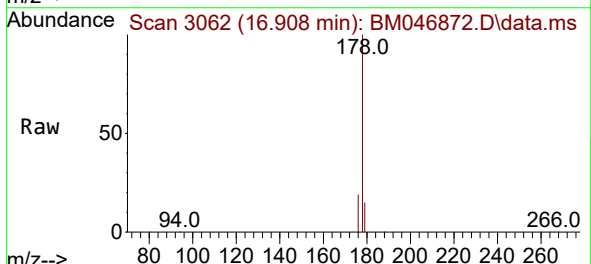
Instrument :
 BNA_M
 ClientSampleId :
 A4CK3

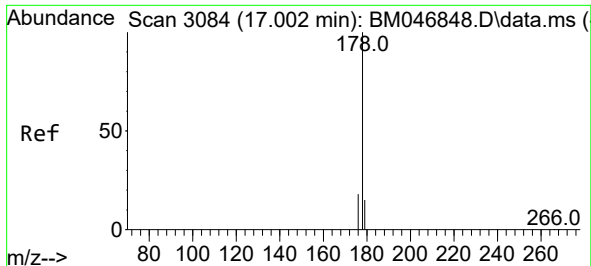
Tgt Ion:266 Resp: 373
 Ion Ratio Lower Upper
 266 100
 264 61.9 51.1 76.7
 268 71.0 51.8 77.6



#15
 Phenanthrene
 Concen: 6.155 ng/ul
 RT: 16.908 min Scan# 3062
 Delta R.T. -0.006 min
 Lab File: BM046872.D
 Acq: 27 Jul 2024 17:42

Tgt Ion:178 Resp: 235040
 Ion Ratio Lower Upper
 178 100
 179 15.2 13.4 20.2
 176 19.2 16.1 24.1

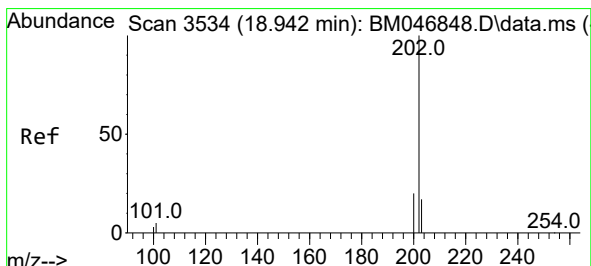
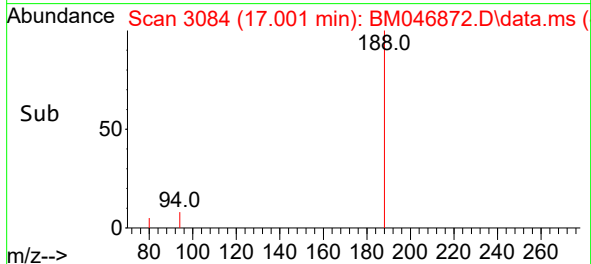
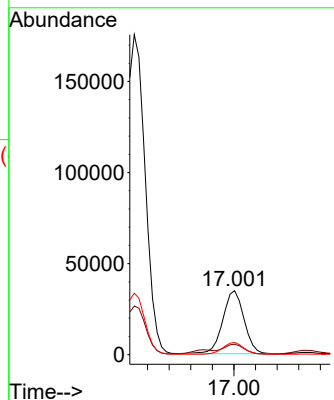
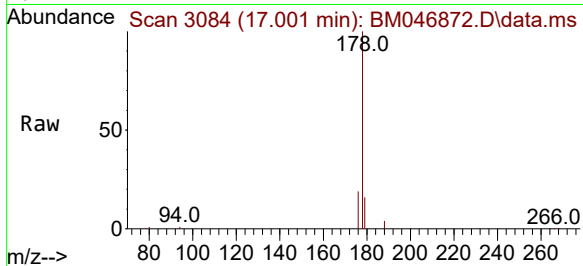




#16
 Anthracene
 Concen: 1.330 ng/ul
 RT: 17.001 min Scan# 3084
 Delta R.T. -0.006 min
 Lab File: BM046872.D
 Acq: 27 Jul 2024 17:42

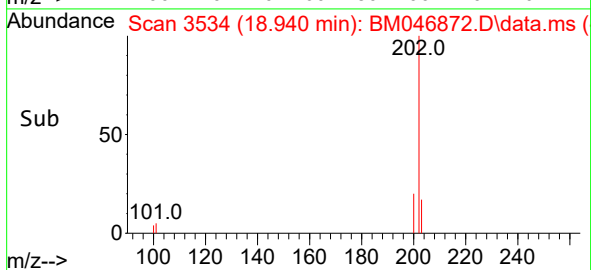
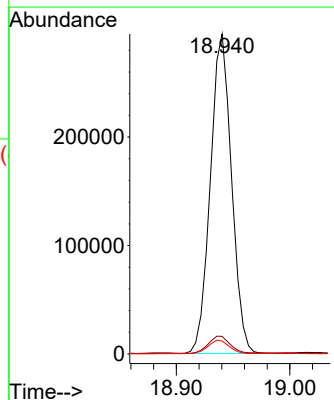
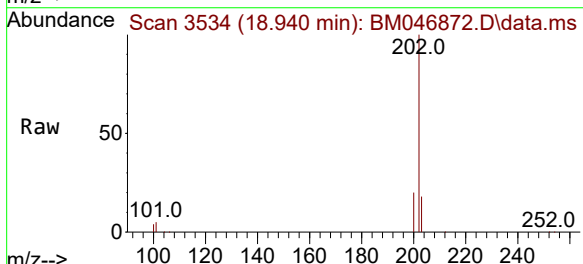
Instrument :
 BNA_M
 ClientSampleId :
 A4CK3

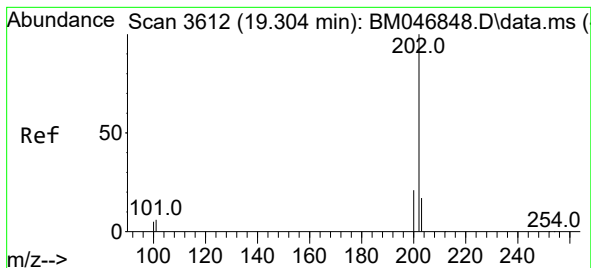
Tgt Ion:178 Resp: 47292
 Ion Ratio Lower Upper
 178 100
 179 16.3 13.1 19.7
 176 19.0 15.0 22.6



#19
 Fluoranthene
 Concen: 12.201 ng/ul
 RT: 18.940 min Scan# 3534
 Delta R.T. -0.001 min
 Lab File: BM046872.D
 Acq: 27 Jul 2024 17:42

Tgt Ion:202 Resp: 381044
 Ion Ratio Lower Upper
 202 100
 101 5.5 4.7 7.1
 100 4.1 3.4 5.2





#20

Pyrene

Concen: 7.601 ng/ul

RT: 19.303 min Scan# 3

Delta R.T. -0.001 min

Lab File: BM046872.D

Acq: 27 Jul 2024 17:42

Instrument :

BNA_M

ClientSampleId :

A4CK3

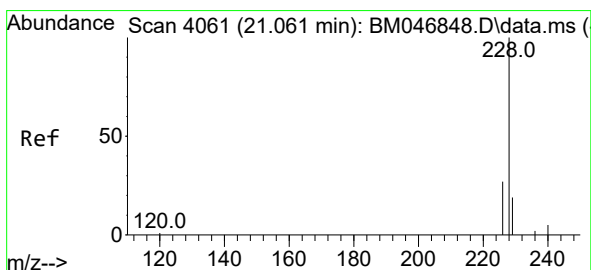
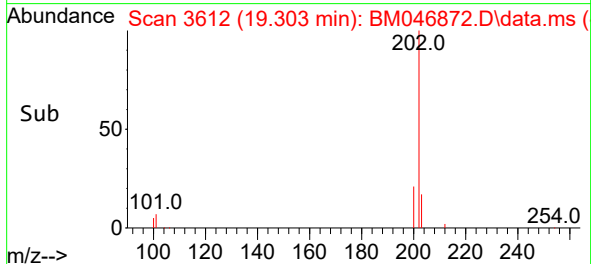
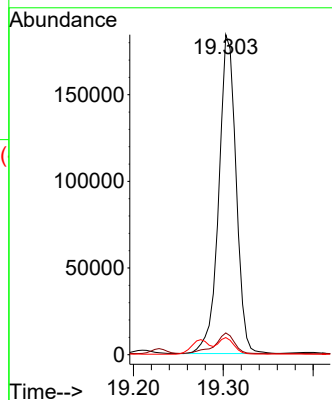
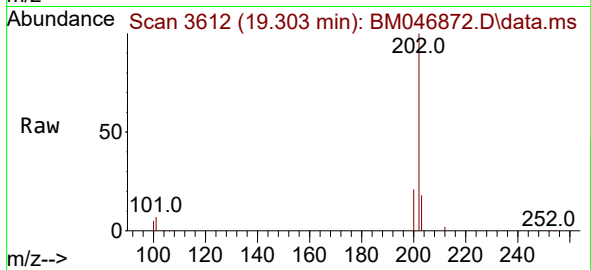
Tgt Ion:202 Resp: 245556

Ion Ratio Lower Upper

202 100

101 6.8 5.2 7.8

100 5.4 4.3 6.5



#21

Benzo(a)anthracene

Concen: 5.099 ng/ul

RT: 21.064 min Scan# 4062

Delta R.T. 0.000 min

Lab File: BM046872.D

Acq: 27 Jul 2024 17:42

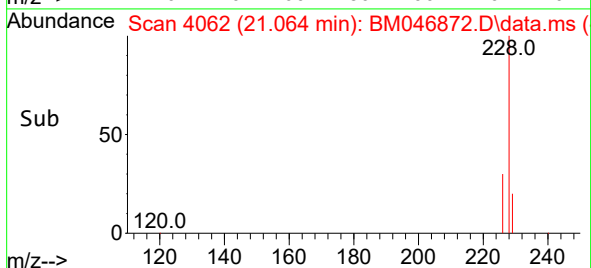
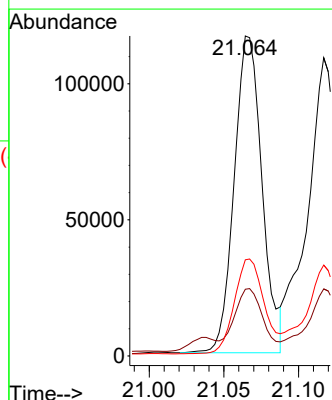
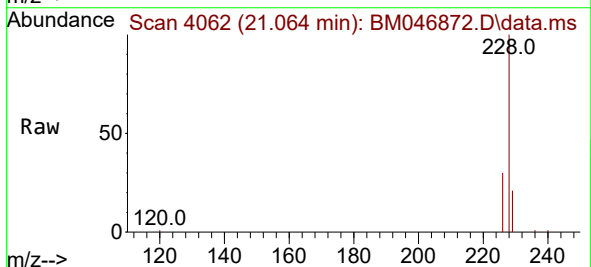
Tgt Ion:228 Resp: 151105

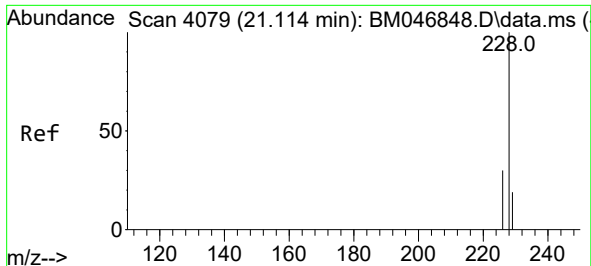
Ion Ratio Lower Upper

228 100

229 20.9 16.3 24.5

226 30.0 22.3 33.5

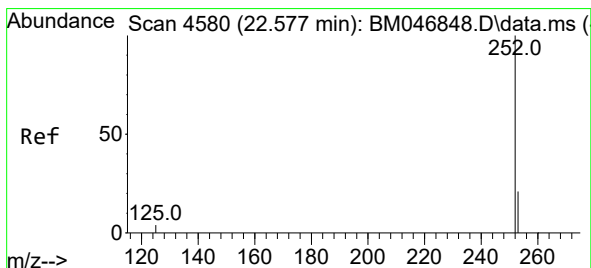
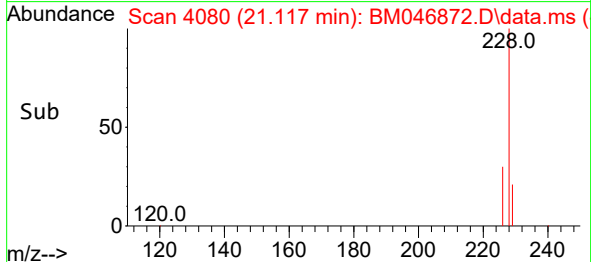
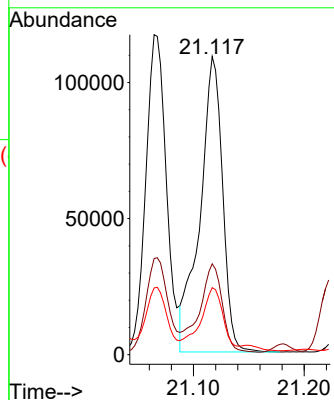
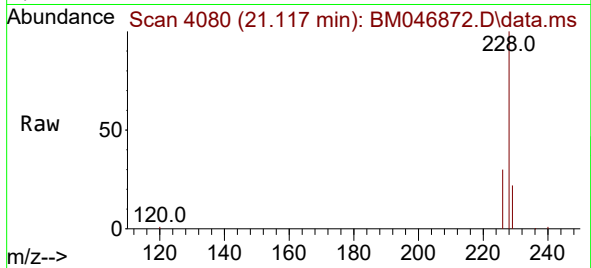




#22
Chrysene
Concen: 5.128 ng/ul
RT: 21.117 min Scan# 4079
Delta R.T. 0.000 min
Lab File: BM046872.D
Acq: 27 Jul 2024 17:42

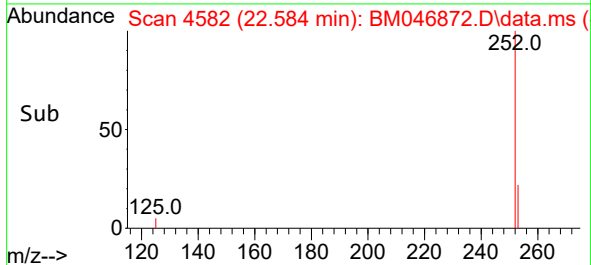
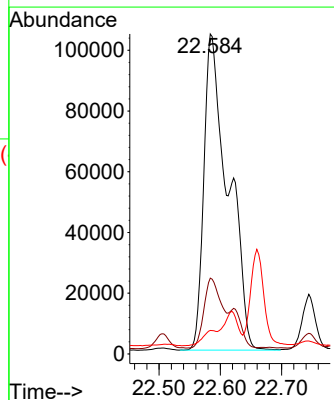
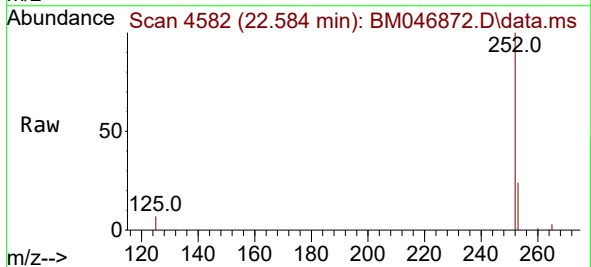
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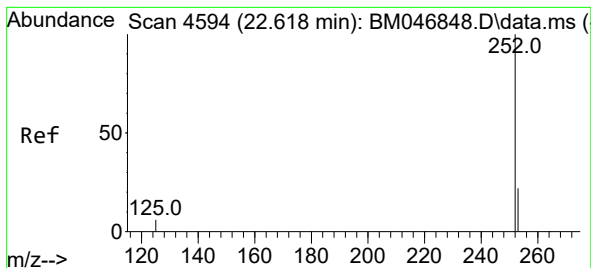
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Ion Ratio Lower Upper
228 100
226 30.5 24.5 36.7
229 22.5 16.2 24.2



#24
Benzo(b)fluoranthene
Concen: 8.778 ng/ul
RT: 22.584 min Scan# 4582
Delta R.T. 0.003 min
Lab File: BM046872.D
Acq: 27 Jul 2024 17:42

Tgt Ion:252 Resp: 287135
Ion Ratio Lower Upper
252 100
253 23.7 0.0 56.4
125 7.4 0.0 15.8





#25

Benzo(k)fluoranthene

Concen: 8.710 ng/ul

RT: 22.584 min Scan# 4582

Delta R.T. -0.038 min

Lab File: BM046872.D

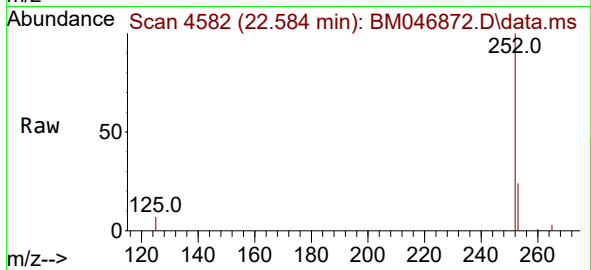
Acq: 27 Jul 2024 17:42

Instrument :

BNA_M

ClientSampleId :

A4CK3



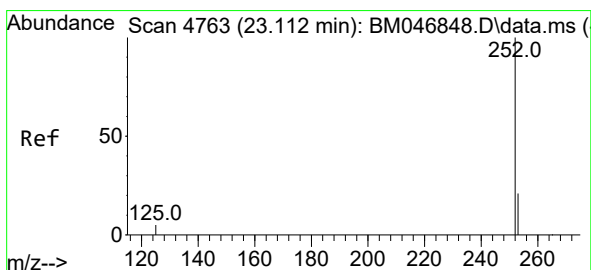
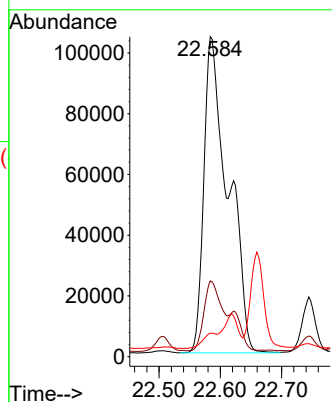
Tgt Ion:252 Resp: 287135

Ion Ratio Lower Upper

252 100

253 23.7 23.5 35.3

125 7.4 8.6 13.0#



#26

Benzo(a)pyrene

Concen: 3.078 ng/ul

RT: 23.122 min Scan# 4766

Delta R.T. 0.003 min

Lab File: BM046872.D

Acq: 27 Jul 2024 17:42

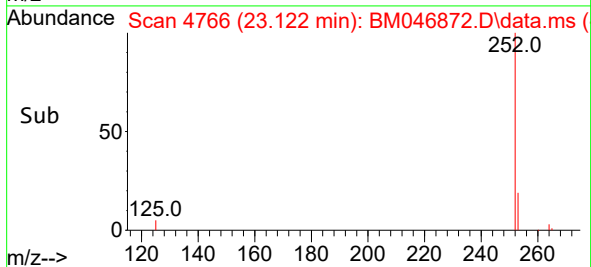
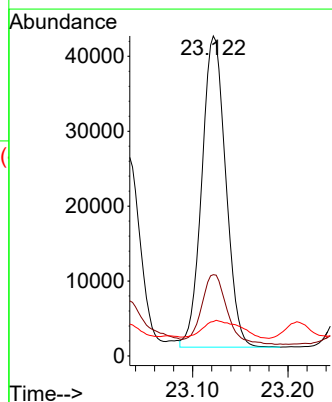
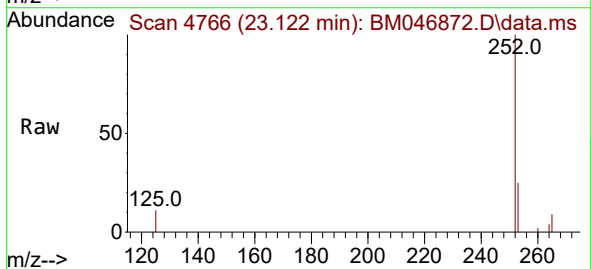
Tgt Ion:252 Resp: 72275

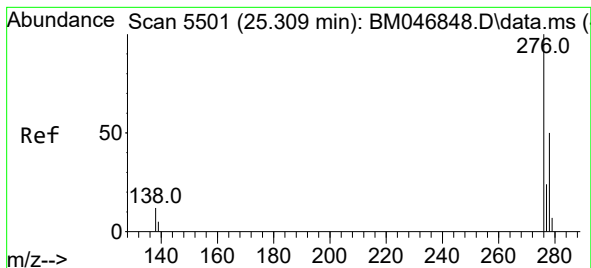
Ion Ratio Lower Upper

252 100

253 25.4 26.0 39.0#

125 10.7 7.8 11.8





#27

Indeno(1,2,3-cd)pyrene

Concen: 2.093 ng/ul

RT: 25.320 min Scan# 5

Delta R.T. 0.004 min

Lab File: BM046872.D

Acq: 27 Jul 2024 17:42

Instrument :

BNA_M

ClientSampleId :

A4CK3

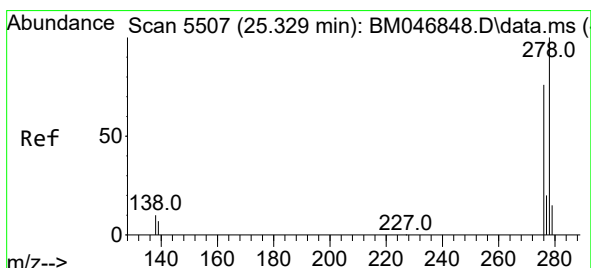
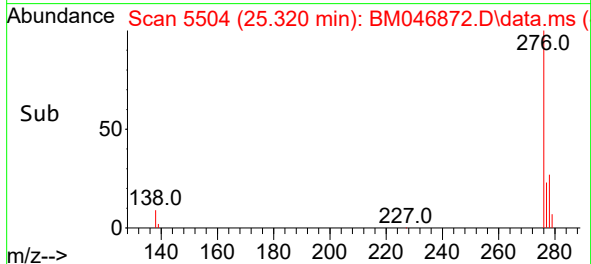
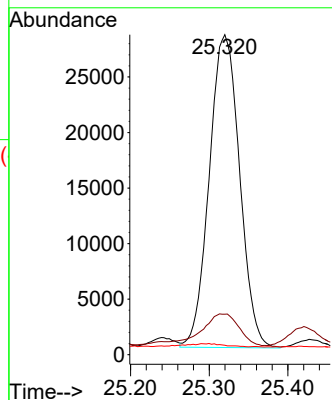
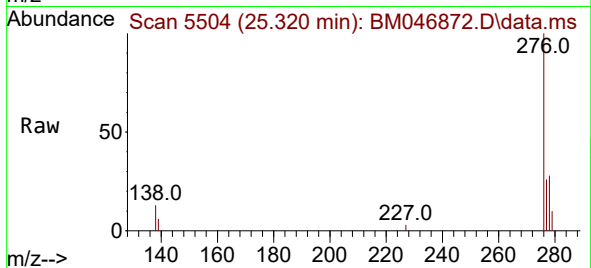
Tgt Ion:276 Resp: 75660

Ion Ratio Lower Upper

276 100

138 12.0 9.7 14.5

227 0.0 0.2 0.2#



#28

Dibenzo(a,h)anthracene

Concen: 0.990 ng/ul

RT: 25.326 min Scan# 5506

Delta R.T. -0.006 min

Lab File: BM046872.D

Acq: 27 Jul 2024 17:42

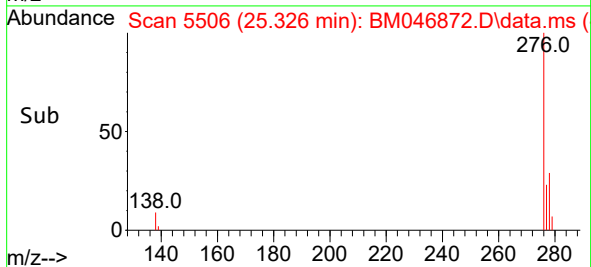
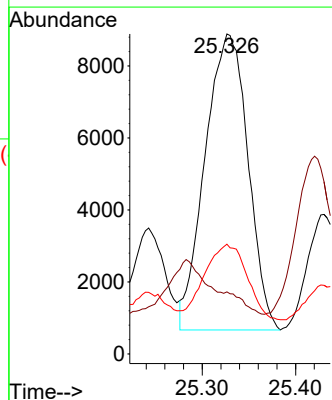
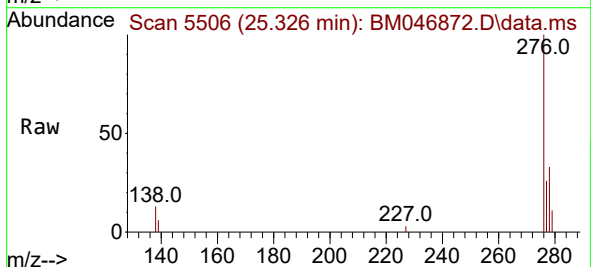
Tgt Ion:278 Resp: 26206

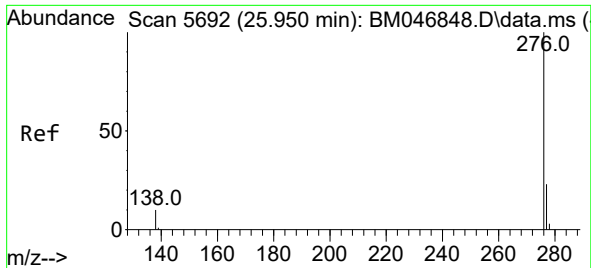
Ion Ratio Lower Upper

278 100

139 19.4 9.8 14.8#

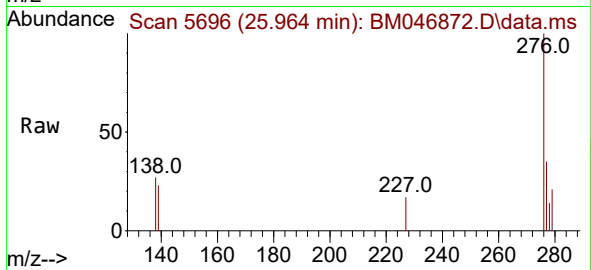
279 34.3 25.2 37.8





#29
 Benzo(g,h,i)perylene
 Concen: 0.391 ng/ul
 RT: 25.964 min Scan# 50
 Delta R.T. 0.010 min
 Lab File: BM046872.D
 Acq: 27 Jul 2024 17:42

Instrument :
 BNA_M
 ClientSampleId :
 A4CK3



Tgt Ion:276 Resp: 12447
 Ion Ratio Lower Upper
 276 100
 138 27.5 9.5 14.3#
 277 34.9 20.9 31.3#

