

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072624\
 Data File : BM046873.D
 Acq On : 27 Jul 2024 18:18
 Operator : MA/JU
 Sample : P3263-16
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4CK4

Quant Time: Jul 28 23:31:40 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

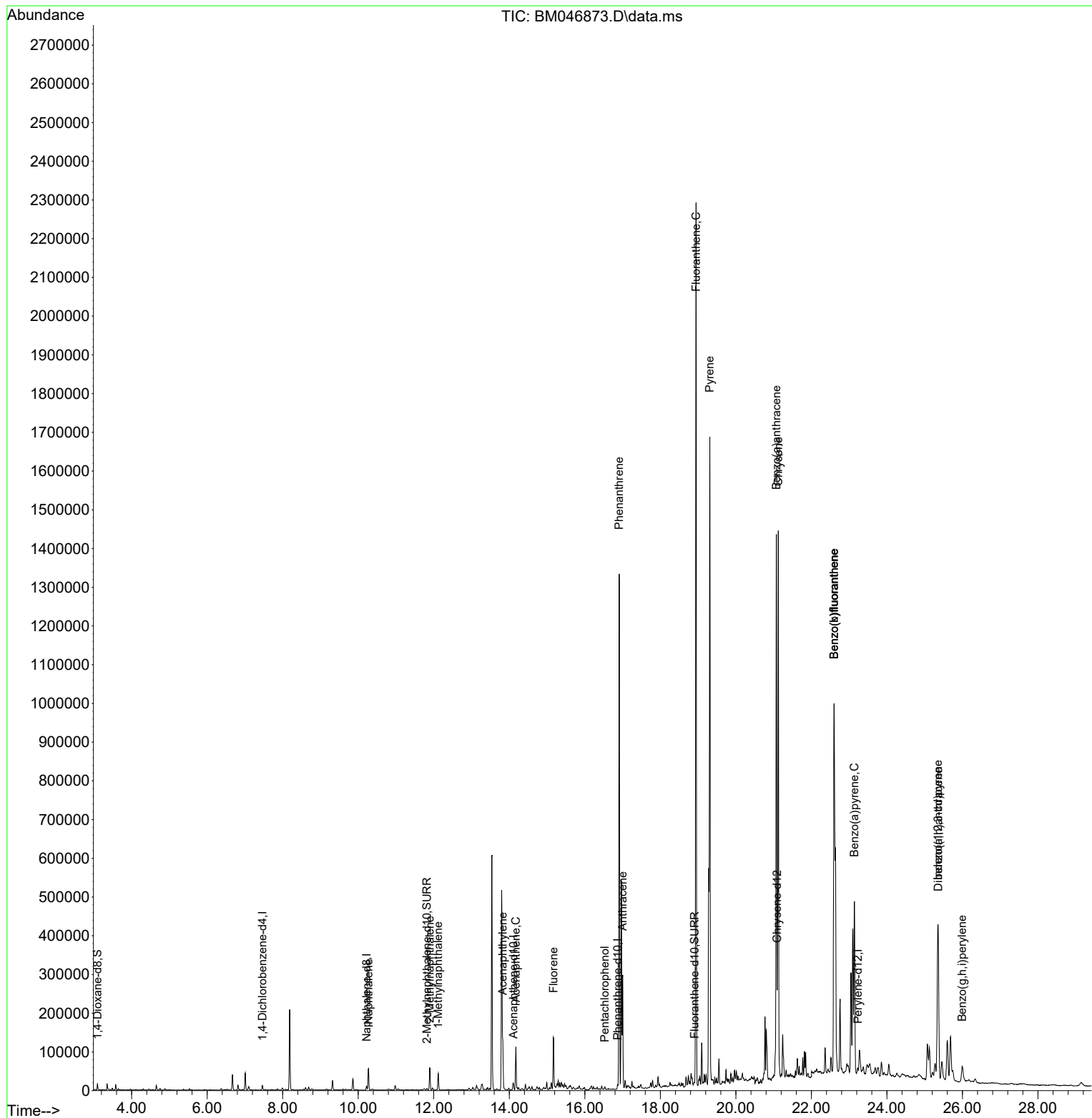
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.463	152	5042	0.400	ng/ul	0.00
4) Naphthalene-d8	10.222	136	12516	0.400	ng/ul	#-0.01
9) Acenaphthene-d10	14.109	164	7601	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.867	188	13764	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.090	240	10576	0.400	ng/ul	# 0.00
23) Perylene-d12	23.229	264	14708	0.400	ng/ul	# 0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.096	96	9245	2.619	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.822	152	4826	0.243	ng/ul	0.00
18) Fluoranthene-d10	18.909	212	7281	0.211	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.271	128	72366	2.286	ng/ul	96
7) 2-Methylnaphthalene	11.893	142	39534	1.815	ng/ul	100
8) 1-Methylnaphthalene	12.119	142	28471	1.265	ng/ul	100
10) Acenaphthylene	13.827	152	143301	4.116	ng/ul	98
11) Acenaphthene	14.174	153	63490	2.687	ng/ul	100
12) Fluorene	15.168	166	83562	2.829	ng/ul	99
14) Pentachlorophenol	16.529	266	3425	0.550	ng/ul	99
15) Phenanthrene	16.909	178	1368002	34.580	ng/ul	98
16) Anthracene	17.002	178	301240	8.180	ng/ul	99
19) Fluoranthene	18.946	202	2053841	44.218	ng/ul	99
20) Pyrene	19.309	202	1511477	31.458	ng/ul	100
21) Benzo(a)anthracene	21.073	228	1201480	27.262	ng/ul	96
22) Chrysene	21.125	228	1310808	29.279	ng/ul	97
24) Benzo(b)fluoranthene	22.601	252	2213339	34.277	ng/ul	92
25) Benzo(k)fluoranthene	22.601	252	2213339	34.014	ng/ul#	90
26) Benzo(a)pyrene	23.139	252	600535	12.955	ng/ul#	88
27) Indeno(1,2,3-cd)pyrene	25.353	276	609675	8.545	ng/ul#	99
28) Dibenzo(a,h)anthracene	25.360	278	206923	3.962	ng/ul#	95
29) Benzo(g,h,i)perylene	25.993	276	93067	1.481	ng/ul#	86

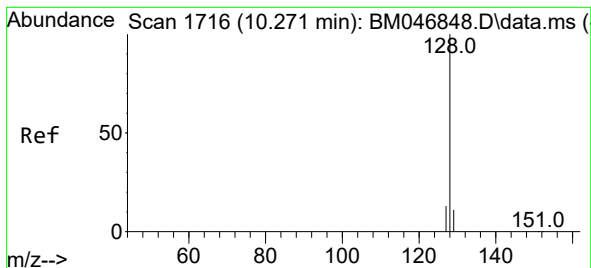
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 2.286 ng/ul

RT: 10.271 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM046873.D

Acq: 27 Jul 2024 18:18

Instrument :

BNA_M

ClientSampleId :

A4CK4

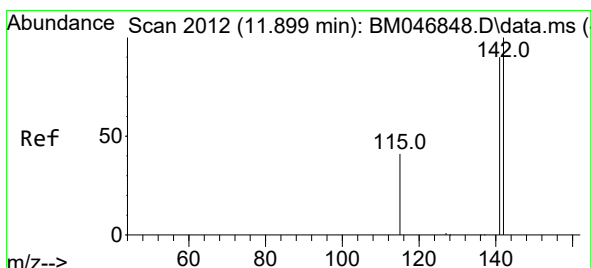
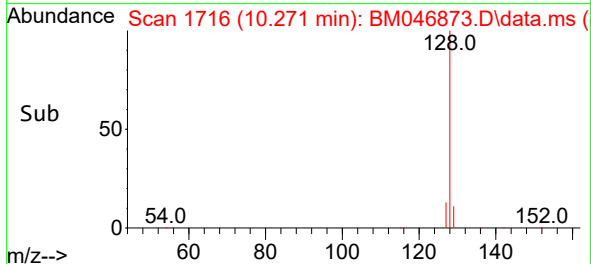
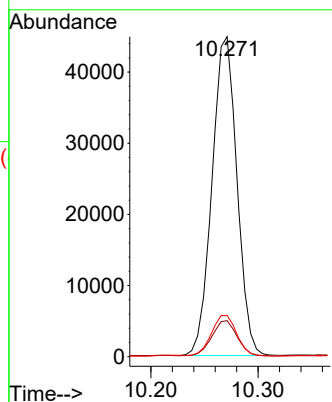
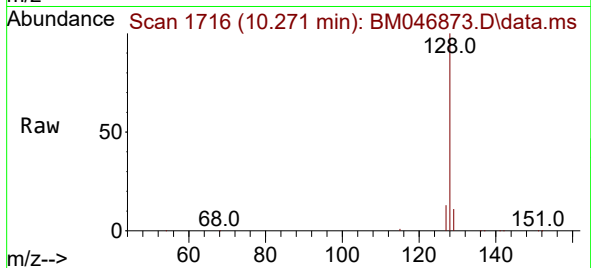
Tgt Ion:128 Resp: 72366

Ion Ratio Lower Upper

128 100

129 11.2 10.1 15.1

127 12.9 11.5 17.3



#7

2-Methylnaphthalene

Concen: 1.815 ng/ul

RT: 11.893 min Scan# 2011

Delta R.T. -0.011 min

Lab File: BM046873.D

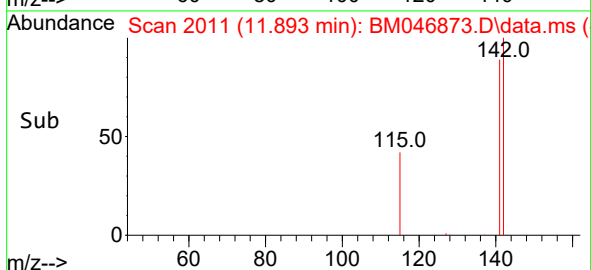
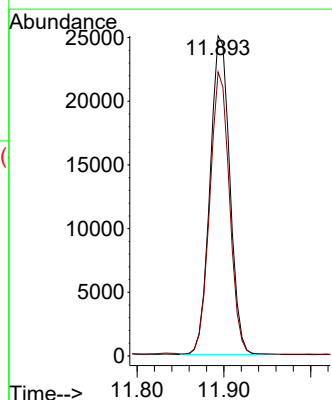
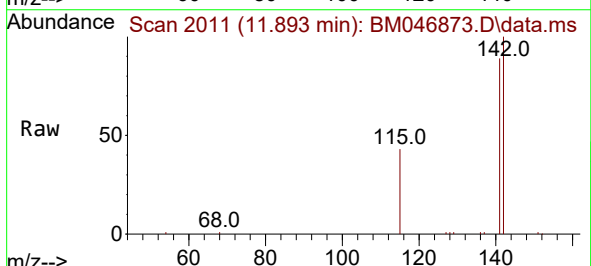
Acq: 27 Jul 2024 18:18

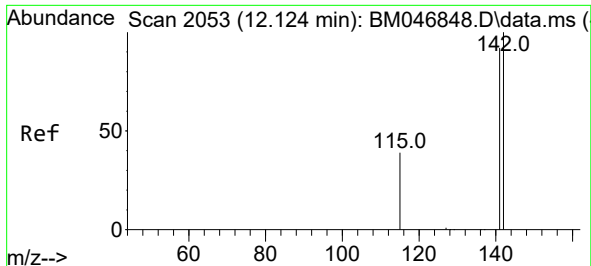
Tgt Ion:142 Resp: 39534

Ion Ratio Lower Upper

142 100

141 87.8 70.5 105.7

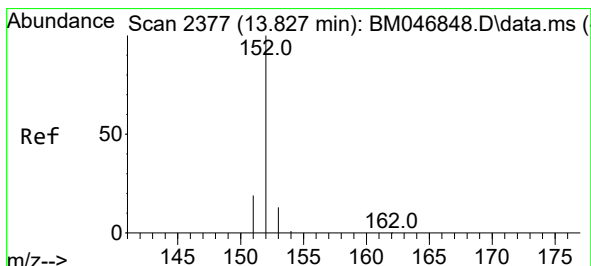
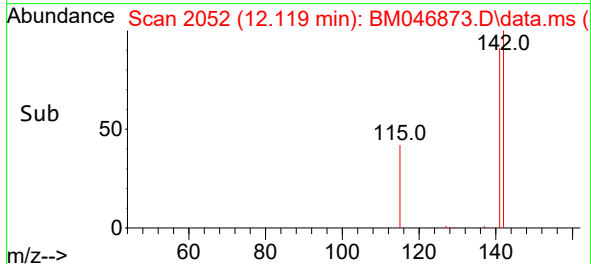
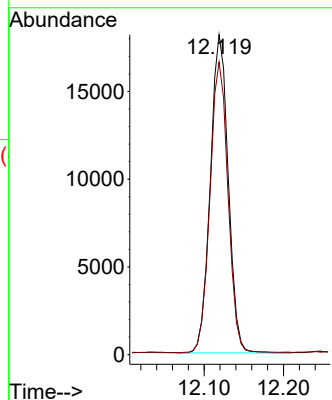
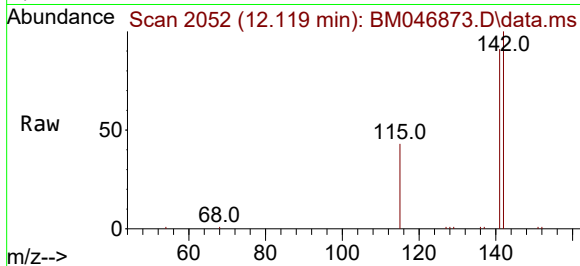




#8
1-Methylnaphthalene
Concen: 1.265 ng/ul
RT: 12.119 min Scan# 2052
Delta R.T. -0.011 min
Lab File: BM046873.D
Acq: 27 Jul 2024 18:18

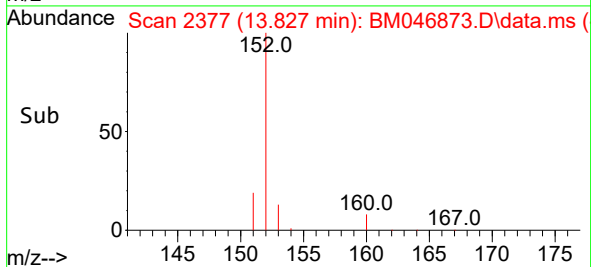
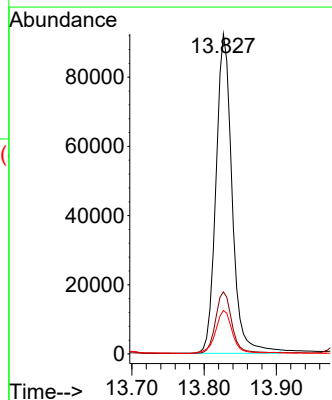
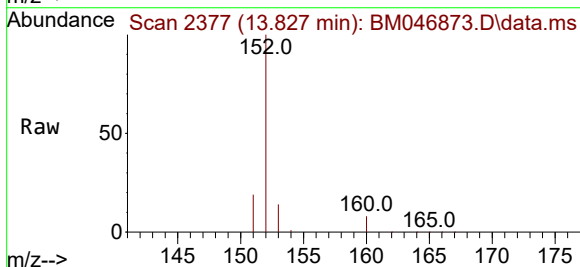
Instrument :
BNA_M
ClientSampleId :
A4CK4

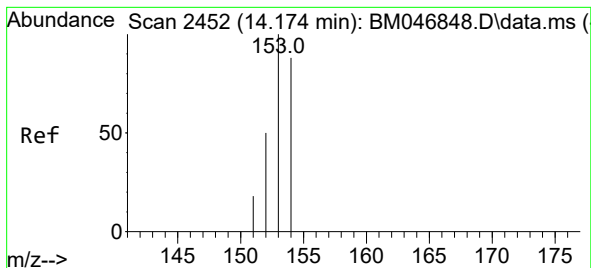
Tgt Ion:142 Resp: 28471
Ion Ratio Lower Upper
142 100
141 91.6 73.1 109.7



#10
Acenaphthylene
Concen: 4.116 ng/ul
RT: 13.827 min Scan# 2377
Delta R.T. -0.005 min
Lab File: BM046873.D
Acq: 27 Jul 2024 18:18

Tgt Ion:152 Resp: 143301
Ion Ratio Lower Upper
152 100
151 19.4 16.8 25.2
153 13.6 11.0 16.6





#11

Acenaphthene

Concen: 2.687 ng/ul

RT: 14.174 min Scan# 2452

Delta R.T. -0.009 min

Lab File: BM046873.D

Acq: 27 Jul 2024 18:18

Instrument :

BNA_M

ClientSampleId :

A4CK4

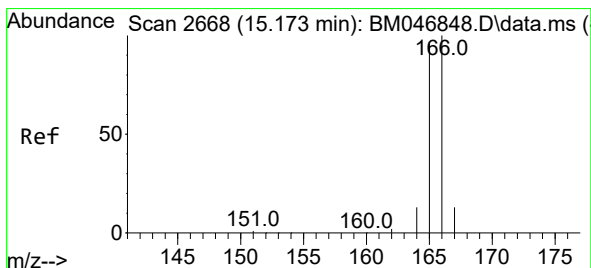
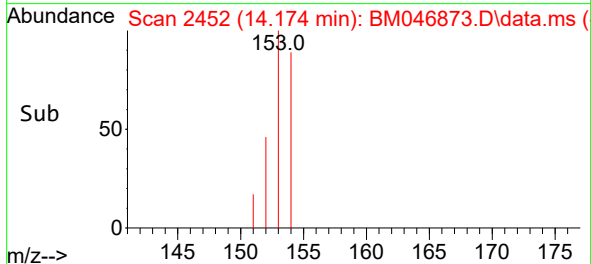
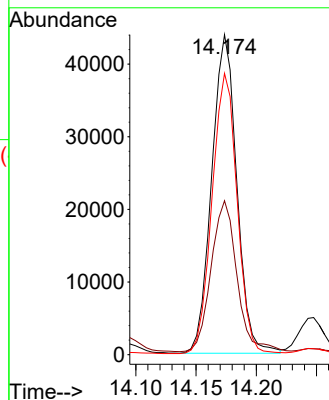
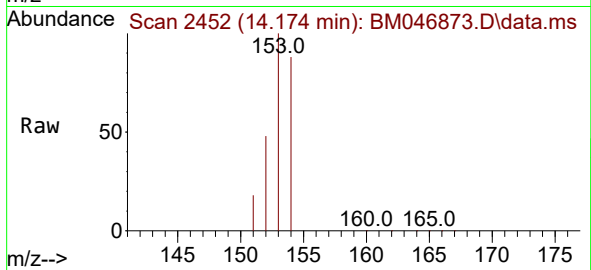
Tgt Ion:153 Resp: 63490

Ion Ratio Lower Upper

153 100

152 48.1 38.6 57.8

154 87.9 70.8 106.2



#12

Fluorene

Concen: 2.829 ng/ul

RT: 15.168 min Scan# 2667

Delta R.T. -0.009 min

Lab File: BM046873.D

Acq: 27 Jul 2024 18:18

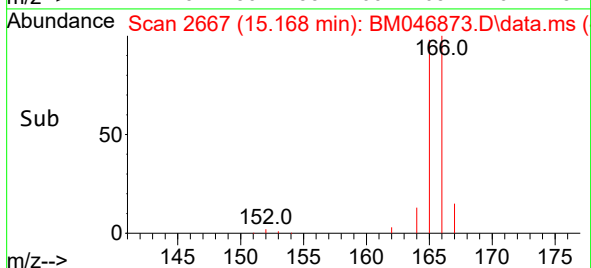
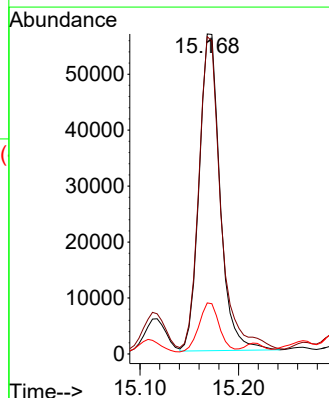
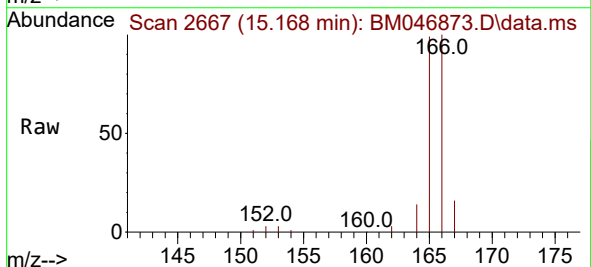
Tgt Ion:166 Resp: 83562

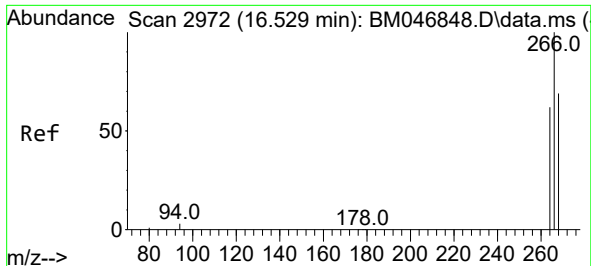
Ion Ratio Lower Upper

166 100

165 99.1 79.8 119.6

167 16.0 12.3 18.5

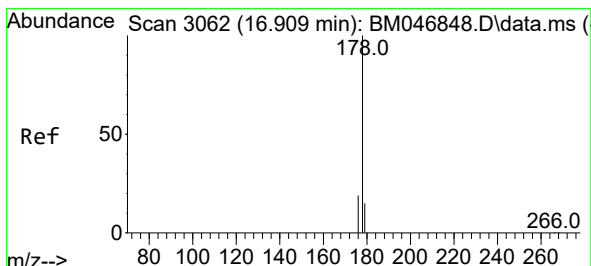
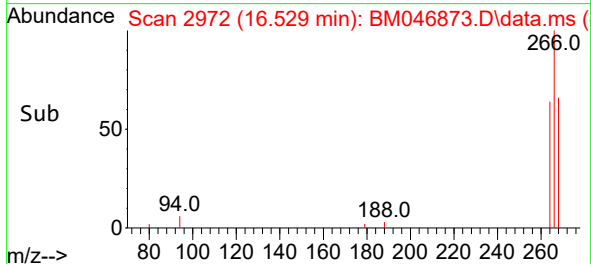
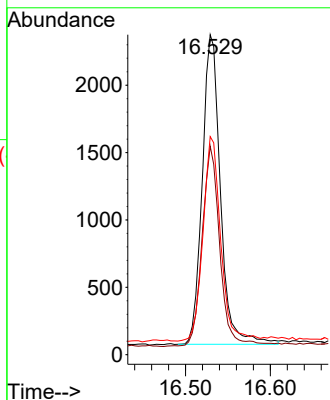
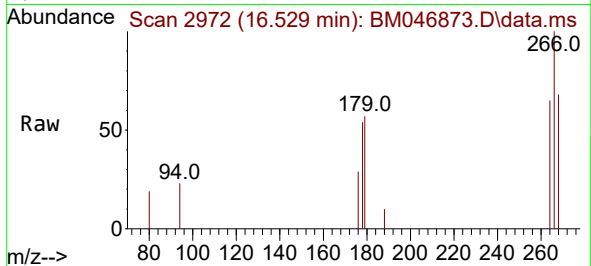




#14
 Pentachlorophenol
 Concen: 0.550 ng/ul
 RT: 16.529 min Scan# 2972
 Delta R.T. -0.004 min
 Lab File: BM046873.D
 Acq: 27 Jul 2024 18:18

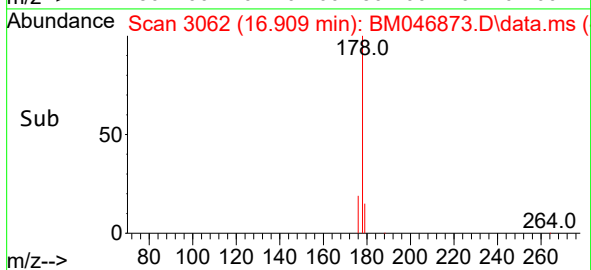
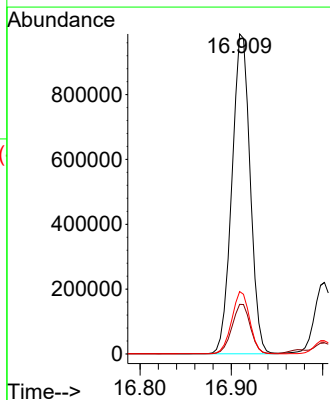
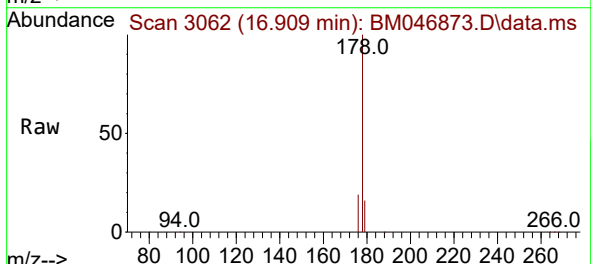
Instrument :
 BNA_M
 ClientSampleId :
 A4CK4

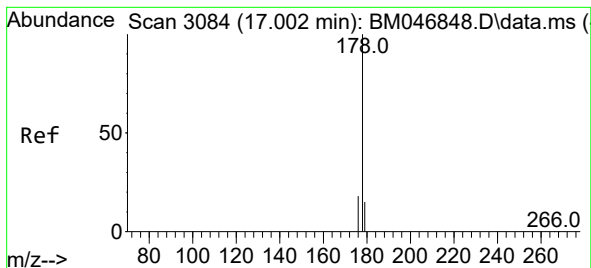
Tgt Ion:266 Resp: 3425
 Ion Ratio Lower Upper
 266 100
 264 63.9 51.1 76.7
 268 65.5 51.8 77.6



#15
 Phenanthrene
 Concen: 34.580 ng/ul
 RT: 16.909 min Scan# 3062
 Delta R.T. -0.004 min
 Lab File: BM046873.D
 Acq: 27 Jul 2024 18:18

Tgt Ion:178 Resp: 1368002
 Ion Ratio Lower Upper
 178 100
 179 15.5 13.4 20.2
 176 19.5 16.1 24.1





#16

Anthracene

Concen: 8.180 ng/ul

RT: 17.002 min Scan# 3084

Delta R.T. -0.004 min

Lab File: BM046873.D

Acq: 27 Jul 2024 18:18

Instrument :

BNA_M

ClientSampleId :

A4CK4

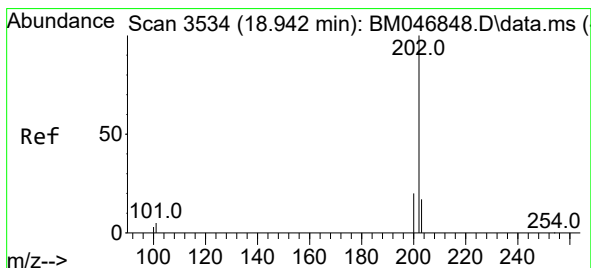
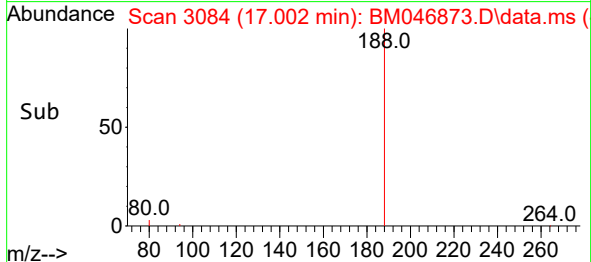
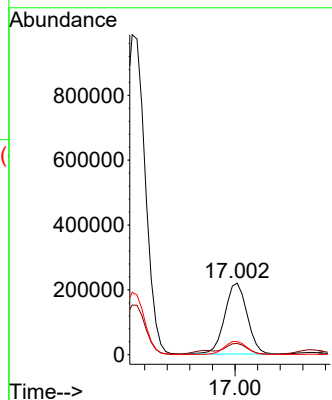
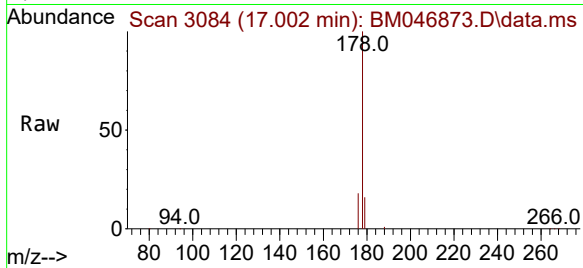
Tgt Ion:178 Resp: 301240

Ion Ratio Lower Upper

178 100

179 15.7 13.1 19.7

176 18.4 15.0 22.6



#19

Fluoranthene

Concen: 44.218 ng/ul

RT: 18.946 min Scan# 3535

Delta R.T. 0.005 min

Lab File: BM046873.D

Acq: 27 Jul 2024 18:18

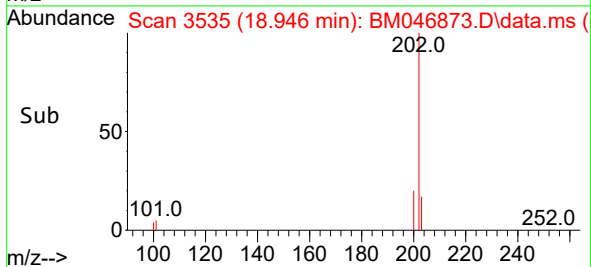
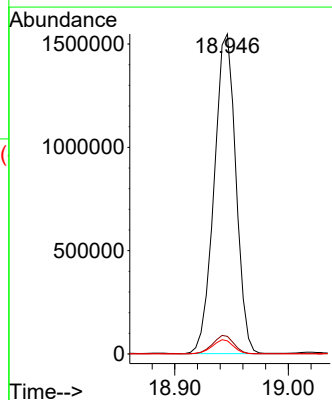
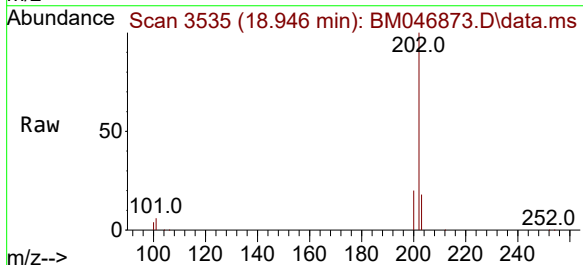
Tgt Ion:202 Resp: 2053841

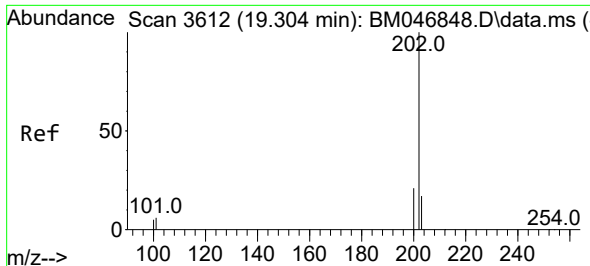
Ion Ratio Lower Upper

202 100

101 5.5 4.7 7.1

100 4.1 3.4 5.2

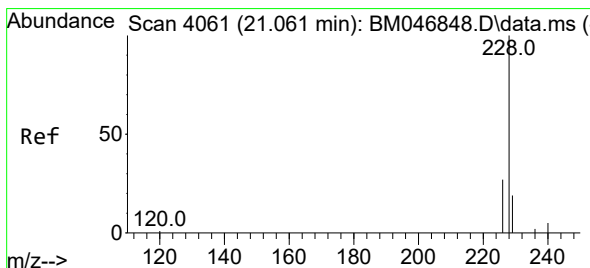
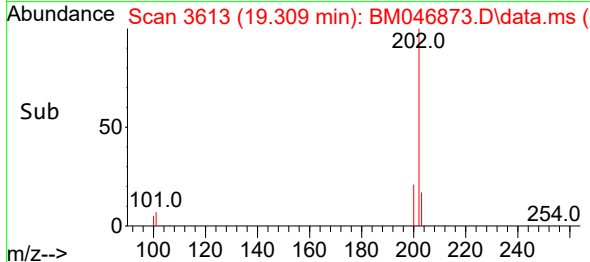
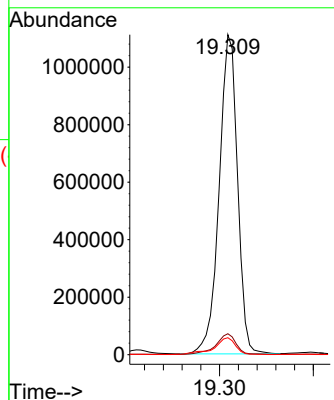
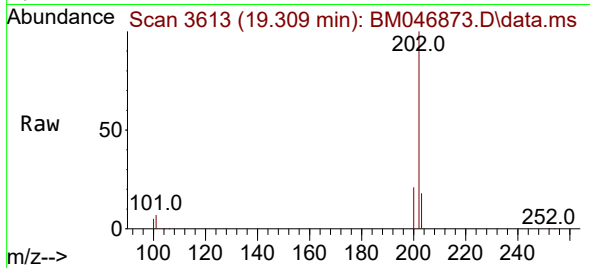




#20
Pyrene
Concen: 31.458 ng/ul
RT: 19.309 min Scan# 3613
Delta R.T. 0.005 min
Lab File: BM046873.D
Acq: 27 Jul 2024 18:18

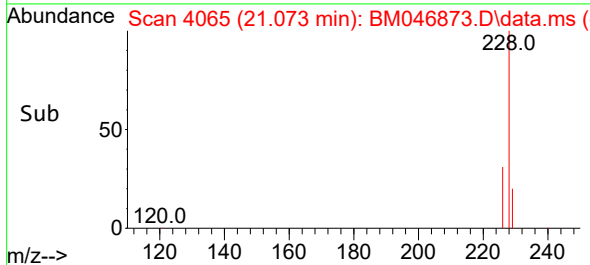
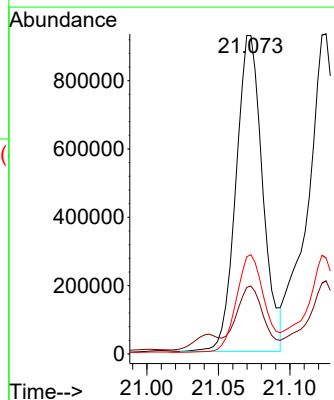
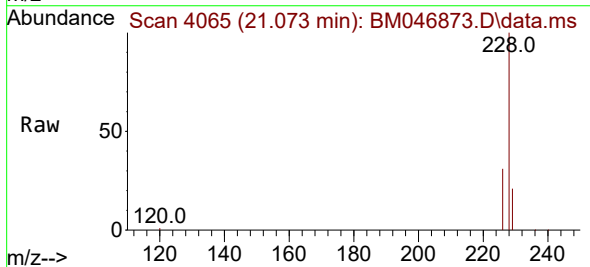
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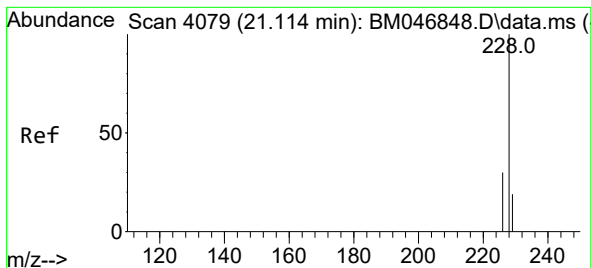
Tgt Ion:202 Resp: 1511477
Ion Ratio Lower Upper
202 100
101 6.6 5.2 7.8
100 5.3 4.3 6.5



#21
Benzo(a)anthracene
Concen: 27.262 ng/ul
RT: 21.073 min Scan# 4065
Delta R.T. 0.009 min
Lab File: BM046873.D
Acq: 27 Jul 2024 18:18

Tgt Ion:228 Resp: 1201480
Ion Ratio Lower Upper
228 100
229 21.4 16.3 24.5
226 31.1 22.3 33.5





#22

Chrysene

Concen: 29.279 ng/ul

RT: 21.125 min Scan# 40

Delta R.T. 0.009 min

Lab File: BM046873.D

Acq: 27 Jul 2024 18:18

Instrument :

BNA_M

ClientSampleId :

A4CK4

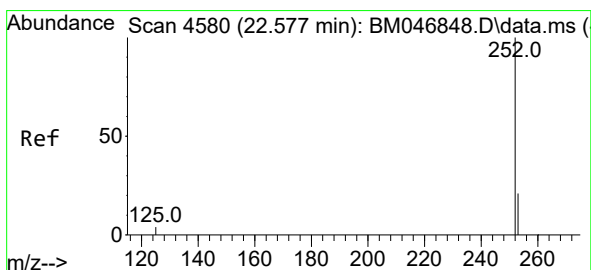
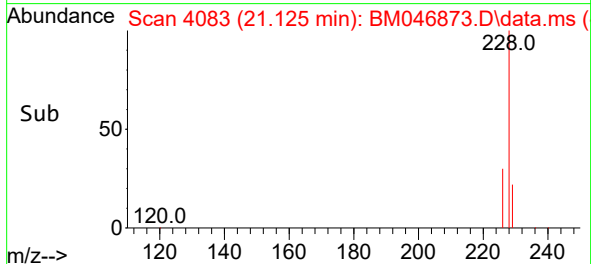
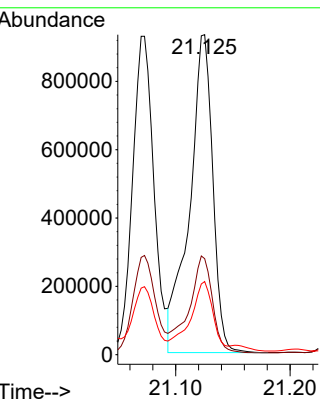
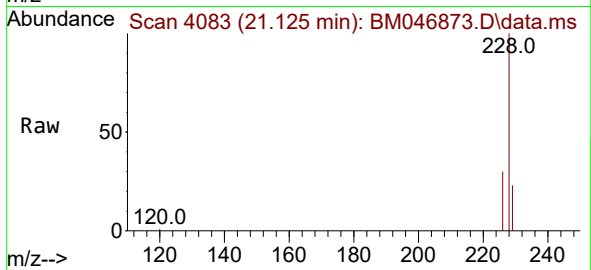
Tgt Ion:228 Resp: 1310808

Ion Ratio Lower Upper

228 100

226 30.0 24.5 36.7

229 22.9 16.2 24.2



#24

Benzo(b)fluoranthene

Concen: 34.277 ng/ul

RT: 22.601 min Scan# 4588

Delta R.T. 0.020 min

Lab File: BM046873.D

Acq: 27 Jul 2024 18:18

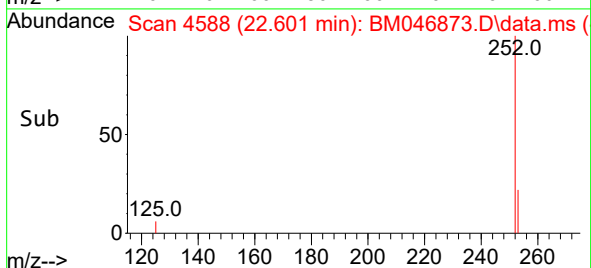
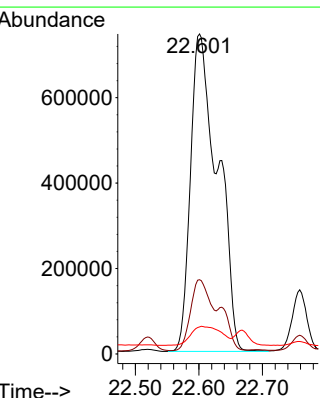
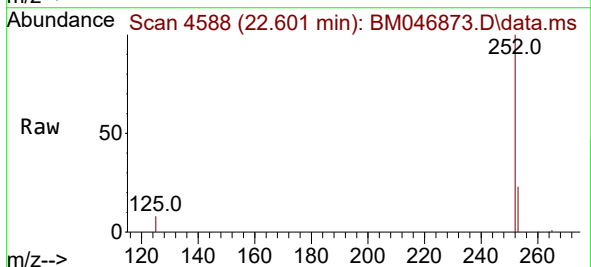
Tgt Ion:252 Resp: 2213339

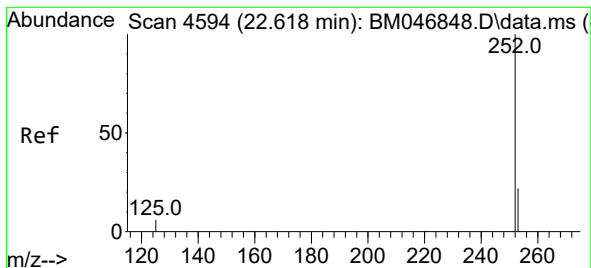
Ion Ratio Lower Upper

252 100

253 23.2 0.0 56.4

125 8.5 0.0 15.8





#25

Benzo(k)fluoranthene

Concen: 34.014 ng/ul

RT: 22.601 min Scan# 4

Delta R.T. -0.021 min

Lab File: BM046873.D

Acq: 27 Jul 2024 18:18

Instrument :

BNA_M

ClientSampleId :

A4CK4

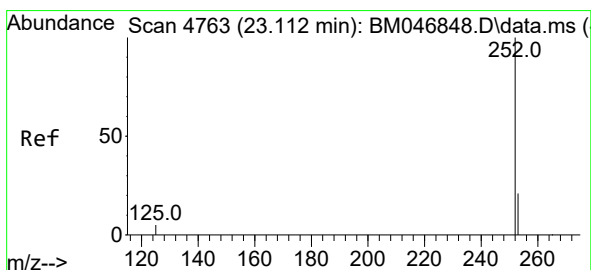
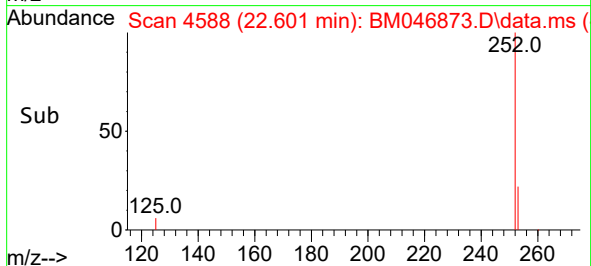
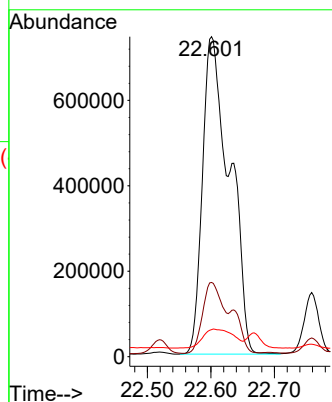
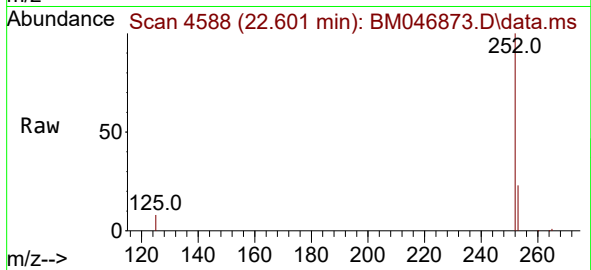
Tgt Ion:252 Resp: 2213339

Ion Ratio Lower Upper

252 100

253 23.2 23.5 35.3#

125 8.5 8.6 13.0#



#26

Benzo(a)pyrene

Concen: 12.955 ng/ul

RT: 23.139 min Scan# 4772

Delta R.T. 0.020 min

Lab File: BM046873.D

Acq: 27 Jul 2024 18:18

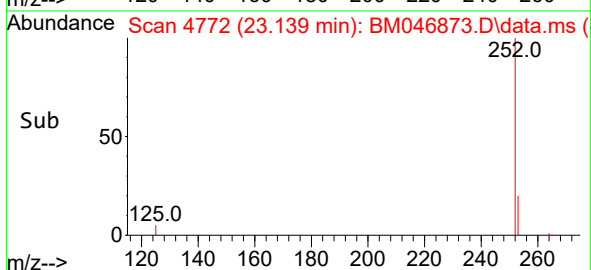
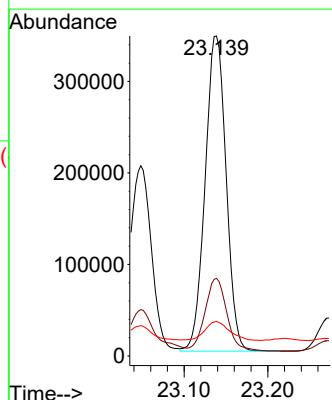
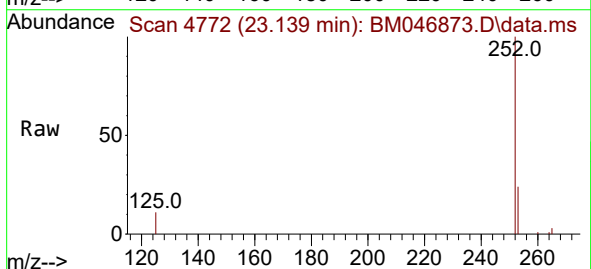
Tgt Ion:252 Resp: 600535

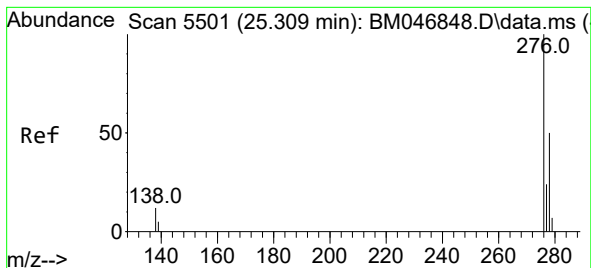
Ion Ratio Lower Upper

252 100

253 24.3 26.0 39.0#

125 10.8 7.8 11.8





#27

Indeno(1,2,3-cd)pyrene

Concen: 8.545 ng/ul

RT: 25.353 min Scan# 5514

Delta R.T. 0.037 min

Lab File: BM046873.D

Acq: 27 Jul 2024 18:18

Instrument :

BNA_M

ClientSampleId :

A4CK4

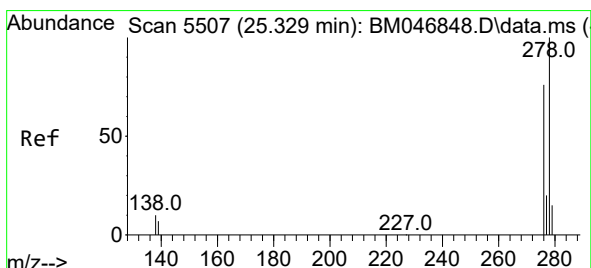
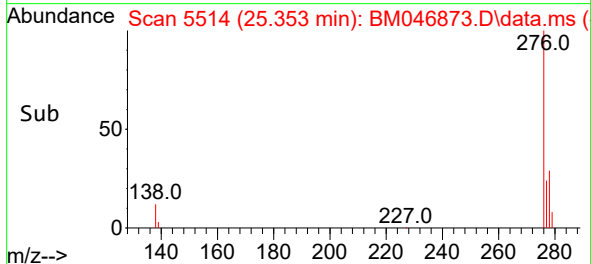
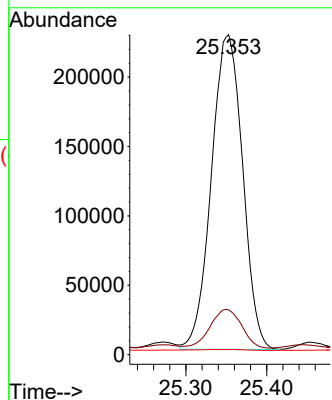
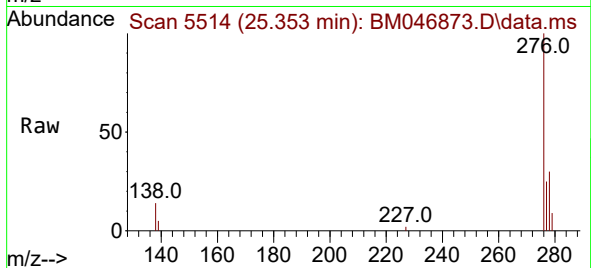
Tgt Ion:276 Resp: 609675

Ion Ratio Lower Upper

276 100

138 12.3 9.7 14.5

227 0.5 0.2 0.2#



#28

Dibenzo(a,h)anthracene

Concen: 3.962 ng/ul

RT: 25.360 min Scan# 5516

Delta R.T. 0.027 min

Lab File: BM046873.D

Acq: 27 Jul 2024 18:18

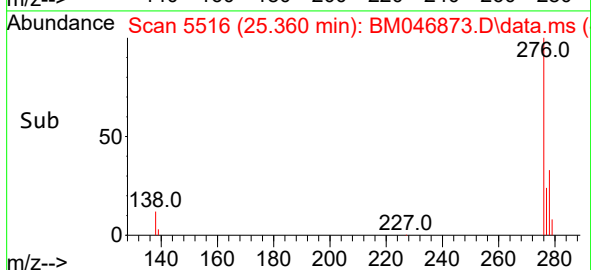
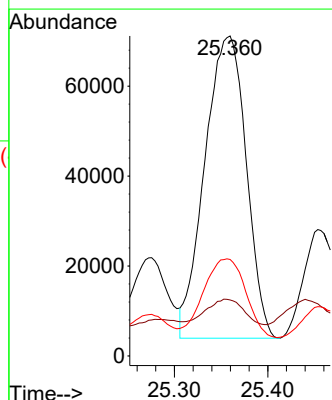
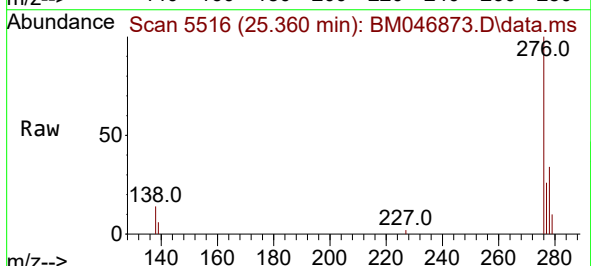
Tgt Ion:278 Resp: 206923

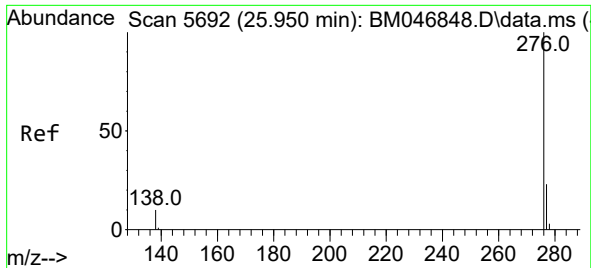
Ion Ratio Lower Upper

278 100

139 17.5 9.8 14.8#

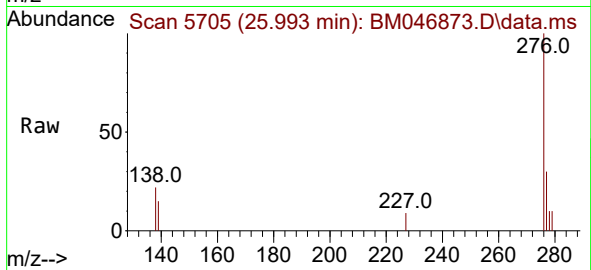
279 30.2 25.2 37.8





#29
Benzo(g,h,i)perylene
Concen: 1.481 ng/ul
RT: 25.993 min Scan# 51
Delta R.T. 0.040 min
Lab File: BM046873.D
Acq: 27 Jul 2024 18:18

Instrument :
BNA_M
ClientSampleId :
A4CK4



Tgt Ion:276 Resp: 93067
Ion Ratio Lower Upper
276 100
138 22.2 9.5 14.3#
277 30.4 20.9 31.3

