

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
 Data File : BM046299.D
 Acq On : 25 Jun 2024 19:44
 Operator : MA/JU
 Sample : P2844-21DL 5X
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C46DL

Quant Time: Jun 25 23:28:49 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 25 08:04:59 2024
 Response via : Initial Calibration

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

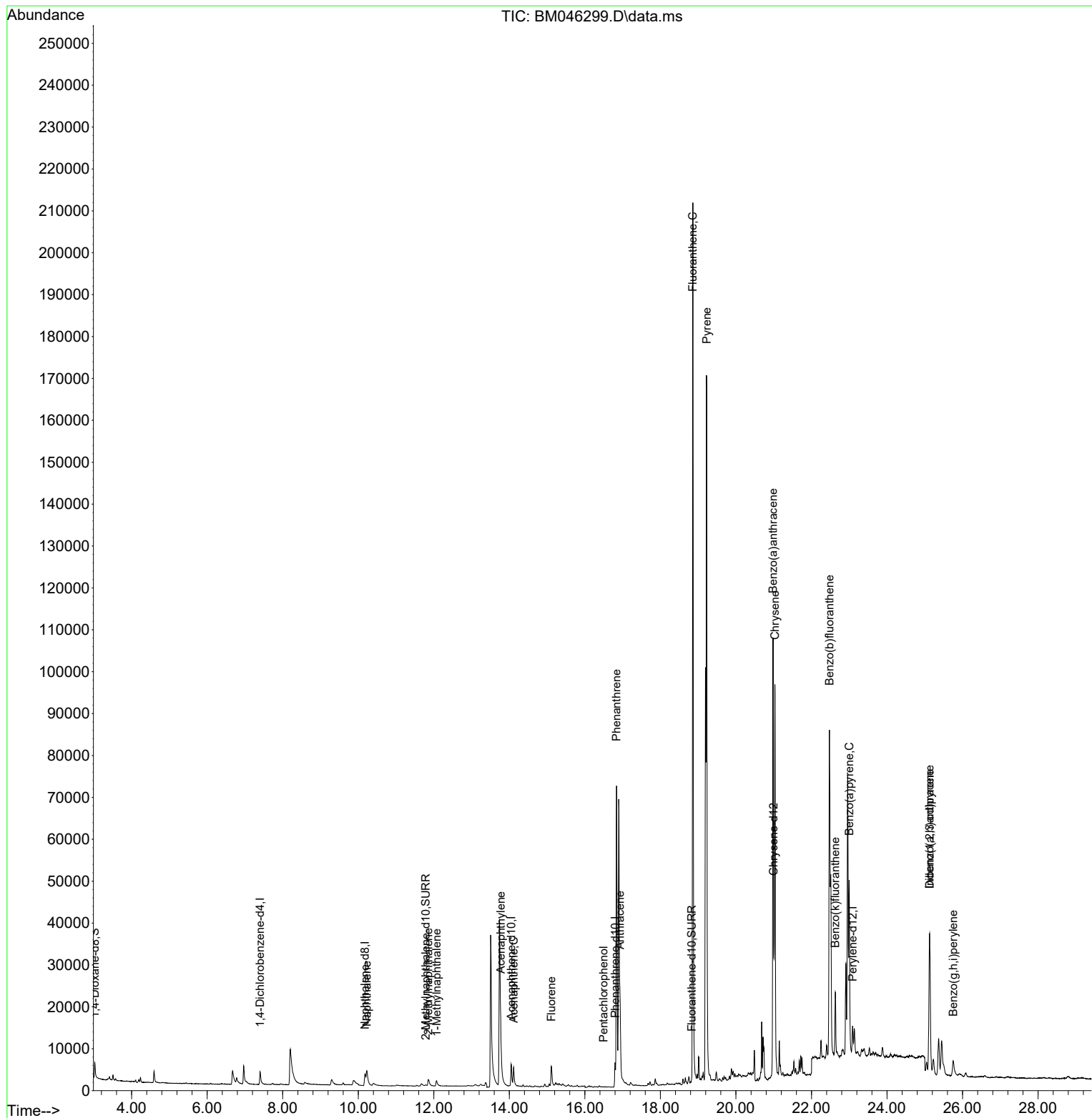
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.400	152	2327	0.400	ng/ul	-0.05
4) Naphthalene-d8	10.178	136	7120	0.400	ng/ul	-0.08
9) Acenaphthene-d10	14.049	164	3895	0.400	ng/ul	-0.04
13) Phenanthrene-d10	16.799	188	8152	0.400	ng/ul	-0.05
17) Chrysene-d12	20.997	240	6761	0.400	ng/ul	-0.03
23) Perylene-d12	23.089	264	8725	0.400	ng/ul	#-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.025	96	2336	0.732	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.783	152	593	0.062	ng/ul	-0.09
18) Fluoranthene-d10	18.830	212	1334	0.066	ng/ul	-0.04
Target Compounds						
					Qvalue	
5) Naphthalene	10.227	128	8011	0.403	ng/ul	99
7) 2-Methylnaphthalene	11.855	142	2176	0.195	ng/ul	98
8) 1-Methylnaphthalene	12.075	142	1566	0.128	ng/ul	97
10) Acenaphthylene	13.771	152	9808	0.531	ng/ul	98
11) Acenaphthene	14.113	153	3622	0.272	ng/ul	97
12) Fluorene	15.113	166	4526	0.316	ng/ul	98
14) Pentachlorophenol	16.491	266	49	0.020	ng/ul#	86
15) Phenanthrene	16.837	178	91282	3.986	ng/ul	96
16) Anthracene	16.930	178	21761	1.276	ng/ul	98
19) Fluoranthene	18.858	202	193730	6.618	ng/ul	96
20) Pyrene	19.225	202	154039	4.866	ng/ul#	93
21) Benzo(a)anthracene	20.982	228	93875	3.595	ng/ul	99
22) Chrysene	21.032	228	90248	2.708	ng/ul	99
24) Benzo(b)fluoranthene	22.475	252	166938	5.311	ng/ul	85
25) Benzo(k)fluoranthene	22.630	252	17095	0.457	ng/ul	96
26) Benzo(a)pyrene	22.998	252	53447	1.835	ng/ul#	79
27) Indeno(1,2,3-cd)pyrene	25.128	276	52580	1.103	ng/ul#	98
28) Dibenzo(a,h)anthracene	25.128	278	14670	0.413	ng/ul#	93
29) Benzo(g,h,i)perylene	25.752	276	7584	0.186	ng/ul#	79

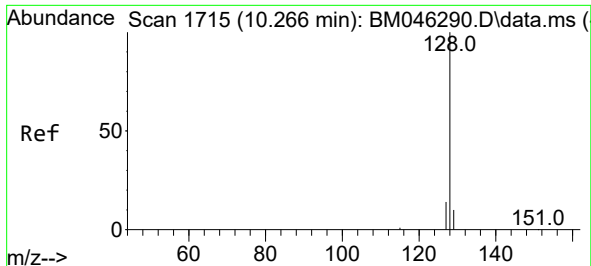
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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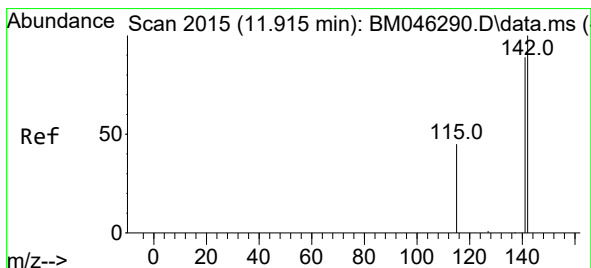
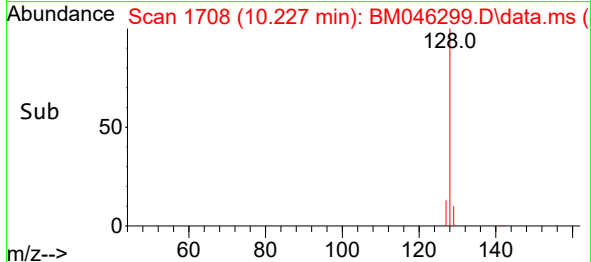
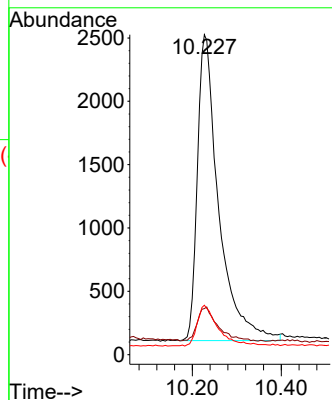
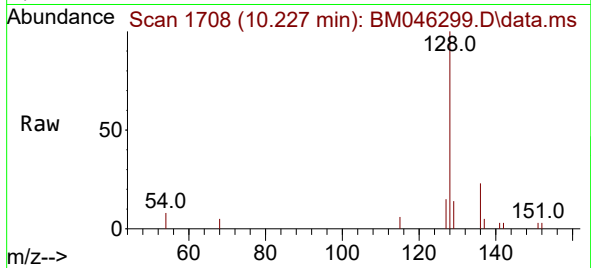




#5
Naphthalene
Concen: 0.403 ng/ul
RT: 10.227 min Scan# 11
Delta R.T. -0.077 min
Lab File: BM046299.D
Acq: 25 Jun 2024 19:44

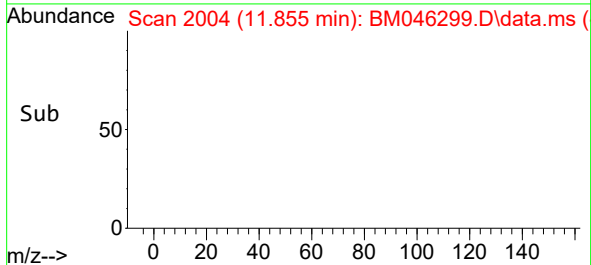
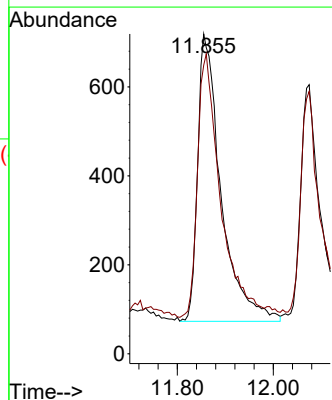
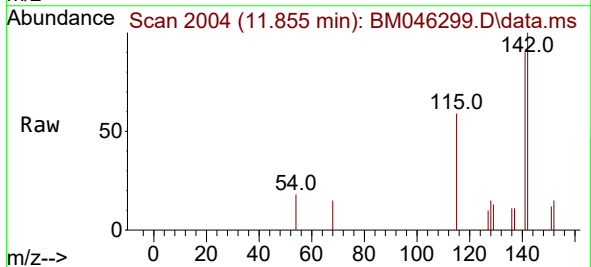
Instrument :
BNA_M
ClientSampleId :
A4C46DL

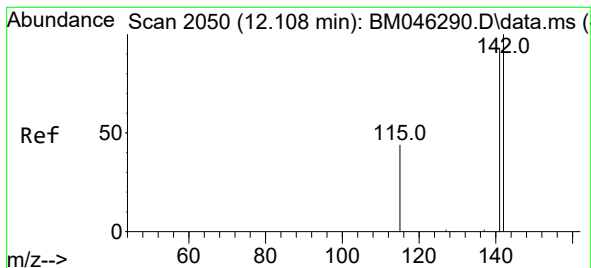
Tgt Ion:128 Resp: 8011
Ion Ratio Lower Upper
128 100
129 14.4 11.8 17.6
127 15.4 12.8 19.2



#7
2-Methylnaphthalene
Concen: 0.195 ng/ul
RT: 11.855 min Scan# 2004
Delta R.T. -0.099 min
Lab File: BM046299.D
Acq: 25 Jun 2024 19:44

Tgt Ion:142 Resp: 2176
Ion Ratio Lower Upper
142 100
141 91.5 74.6 111.8





#8

1-Methylnaphthalene

Concen: 0.128 ng/ul

RT: 12.075 min Scan# 2050

Delta R.T. -0.061 min

Lab File: BM046299.D

Acq: 25 Jun 2024 19:44

Instrument :

BNA_M

ClientSampleId :

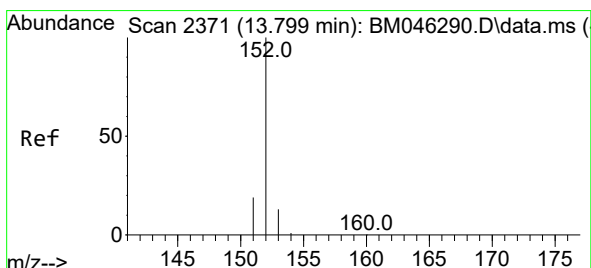
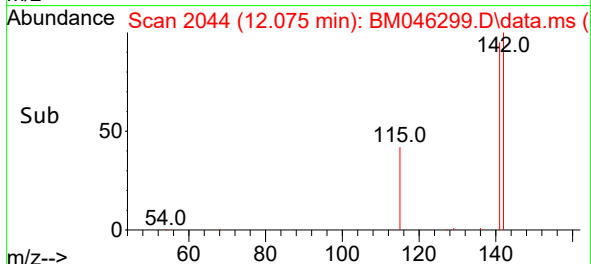
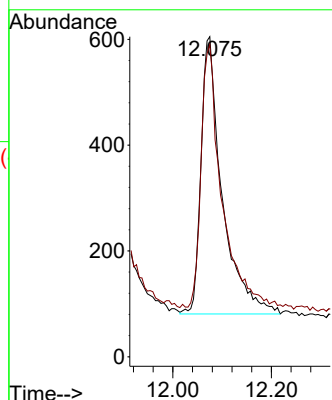
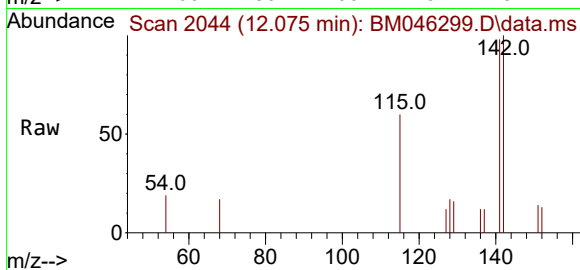
A4C46DL

Tgt Ion:142 Resp: 1566

Ion Ratio Lower Upper

142 100

141 91.5 75.2 112.8



#10

Acenaphthylene

Concen: 0.531 ng/ul

RT: 13.771 min Scan# 2365

Delta R.T. -0.046 min

Lab File: BM046299.D

Acq: 25 Jun 2024 19:44

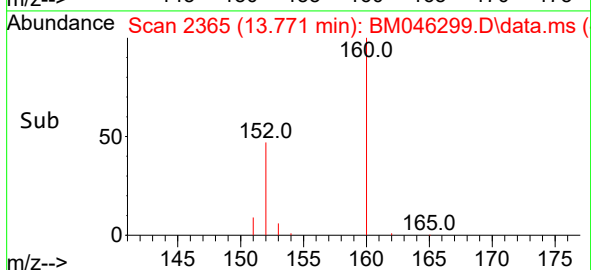
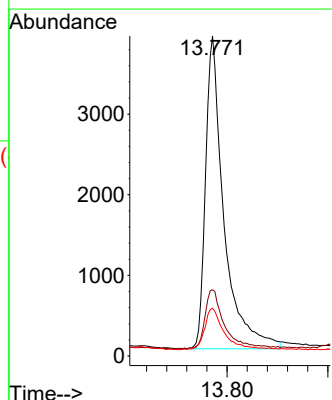
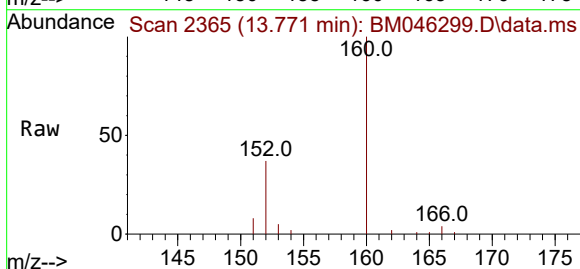
Tgt Ion:152 Resp: 9808

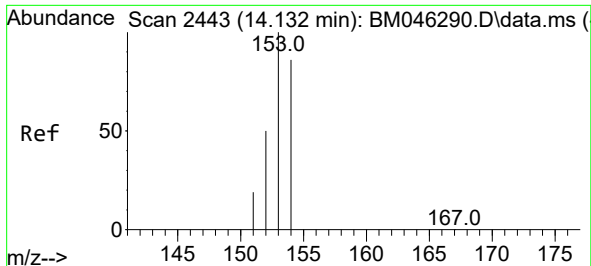
Ion Ratio Lower Upper

152 100

151 20.7 17.4 26.2

153 14.9 11.8 17.8

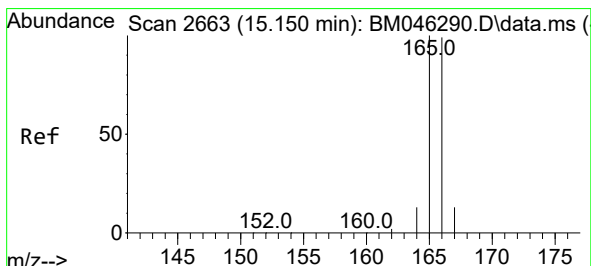
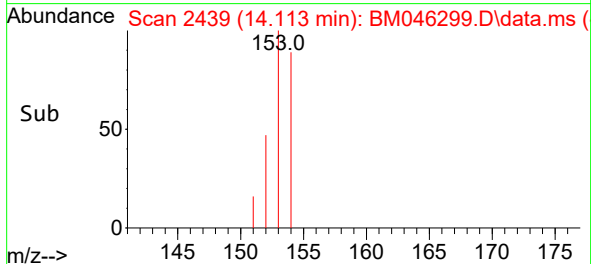
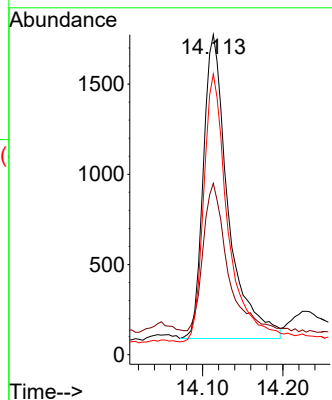
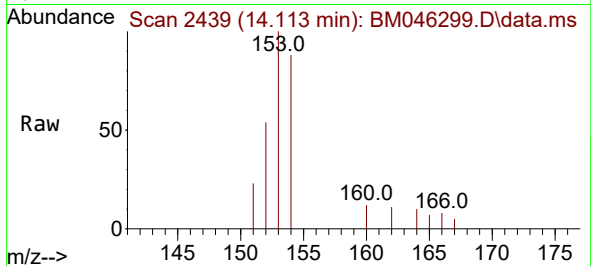




#11
Acenaphthene
Concen: 0.272 ng/ul
RT: 14.113 min Scan# 2443
Delta R.T. -0.032 min
Lab File: BM046299.D
Acq: 25 Jun 2024 19:44

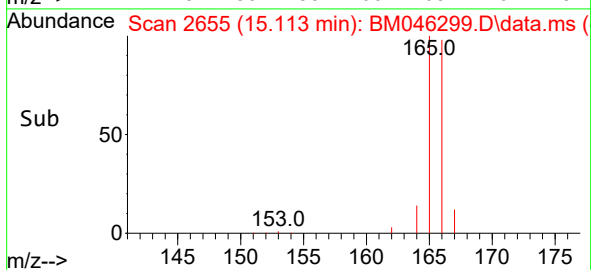
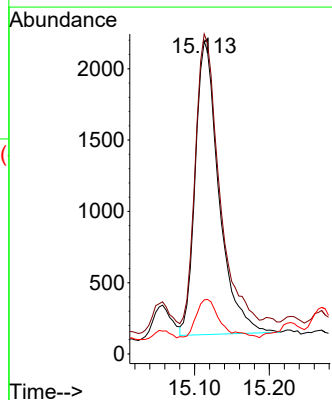
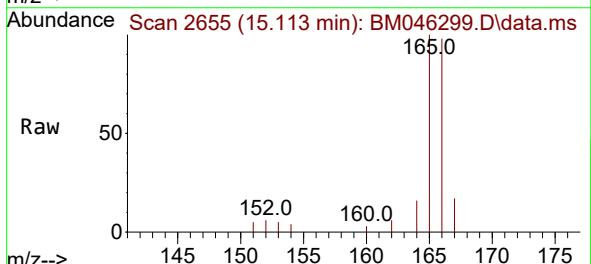
Instrument :
BNA_M
ClientSampleId :
A4C46DL

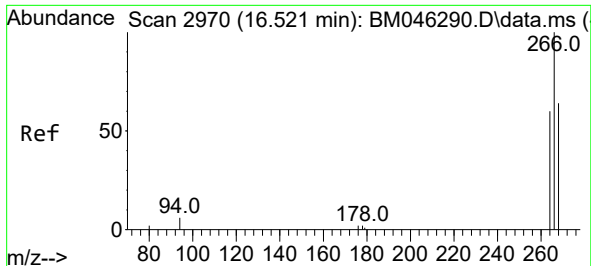
Tgt Ion:153 Resp: 3622
Ion Ratio Lower Upper
153 100
152 53.6 41.3 61.9
154 87.7 68.2 102.4



#12
Fluorene
Concen: 0.316 ng/ul
RT: 15.113 min Scan# 2655
Delta R.T. -0.056 min
Lab File: BM046299.D
Acq: 25 Jun 2024 19:44

Tgt Ion:166 Resp: 4526
Ion Ratio Lower Upper
166 100
165 102.3 80.4 120.6
167 17.3 12.4 18.6

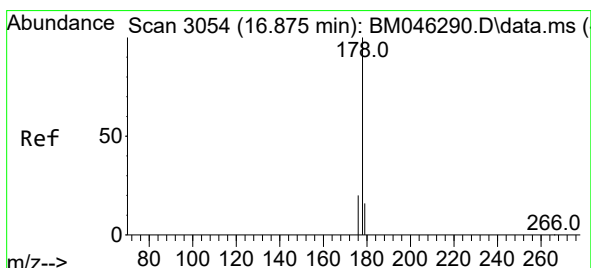
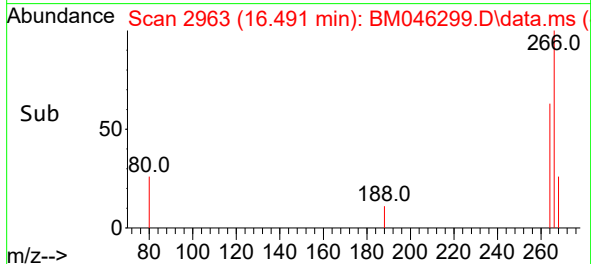
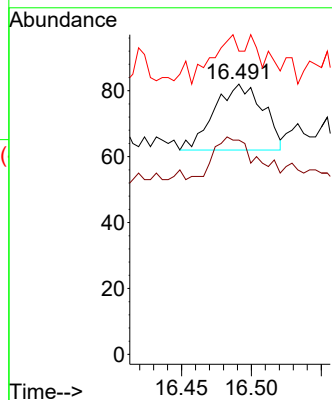
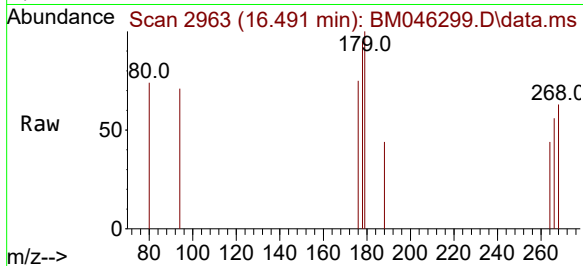




#14
 Pentachlorophenol
 Concen: 0.020 ng/ul
 RT: 16.491 min Scan# 2970
 Delta R.T. -0.042 min
 Lab File: BM046299.D
 Acq: 25 Jun 2024 19:44

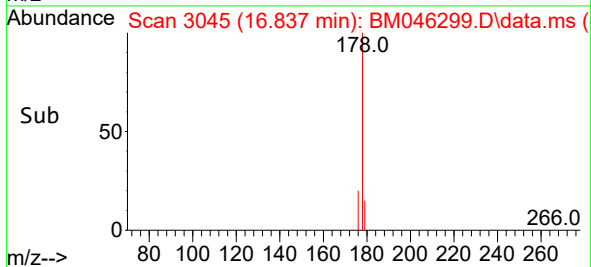
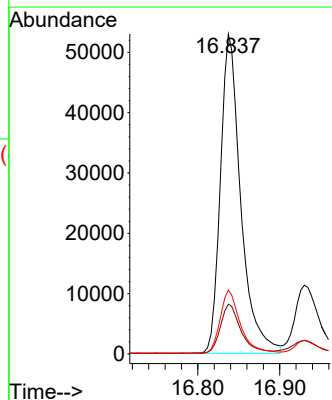
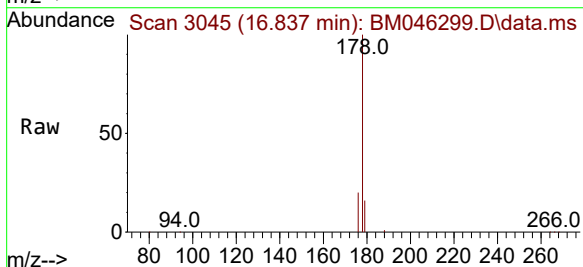
Instrument :
 BNA_M
 ClientSampleId :
 A4C46DL

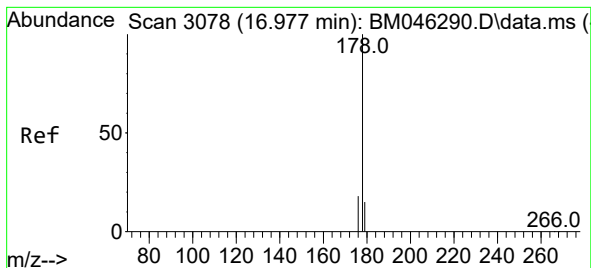
Tgt Ion:266 Resp: 49
 Ion Ratio Lower Upper
 266 100
 264 67.3 50.9 76.3
 268 83.7 52.3 78.5#



#15
 Phenanthrene
 Concen: 3.986 ng/ul
 RT: 16.837 min Scan# 3045
 Delta R.T. -0.051 min
 Lab File: BM046299.D
 Acq: 25 Jun 2024 19:44

Tgt Ion:178 Resp: 91282
 Ion Ratio Lower Upper
 178 100
 179 15.6 14.2 21.2
 176 20.0 17.1 25.7





#16

Anthracene

Concen: 1.276 ng/ul

RT: 16.930 min Scan# 3078

Delta R.T. -0.076 min

Lab File: BM046299.D

Acq: 25 Jun 2024 19:44

Instrument :

BNA_M

ClientSampleId :

A4C46DL

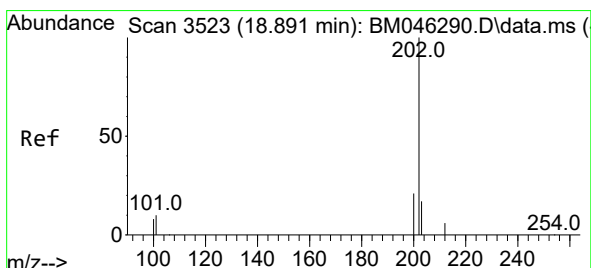
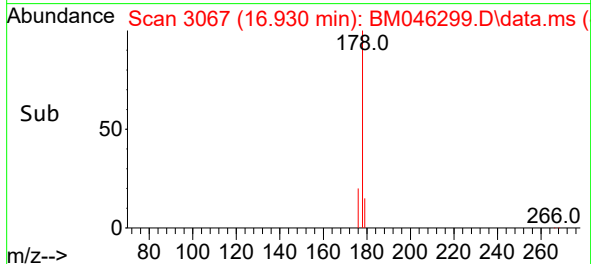
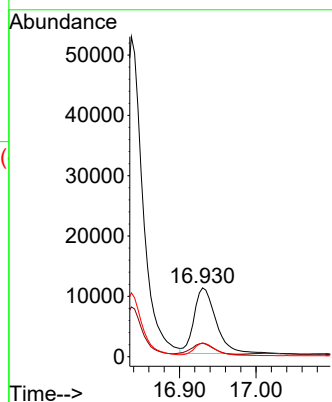
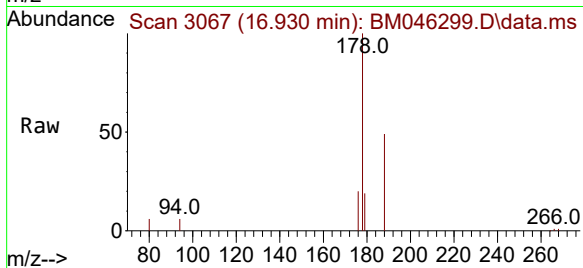
Tgt Ion:178 Resp: 21761

Ion Ratio Lower Upper

178 100

179 19.4 14.9 22.3

176 20.1 17.0 25.4



#19

Fluoranthene

Concen: 6.618 ng/ul

RT: 18.858 min Scan# 3516

Delta R.T. -0.047 min

Lab File: BM046299.D

Acq: 25 Jun 2024 19:44

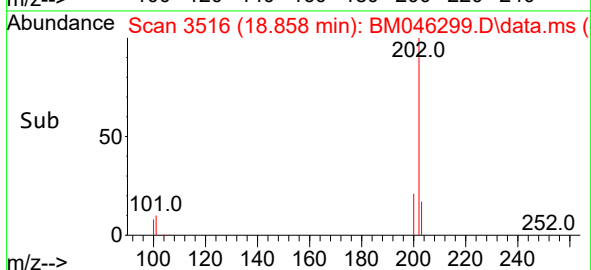
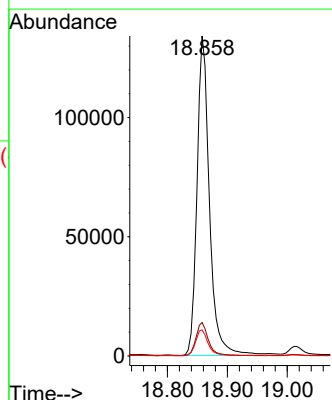
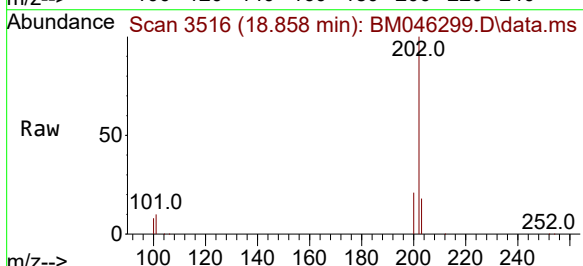
Tgt Ion:202 Resp: 193730

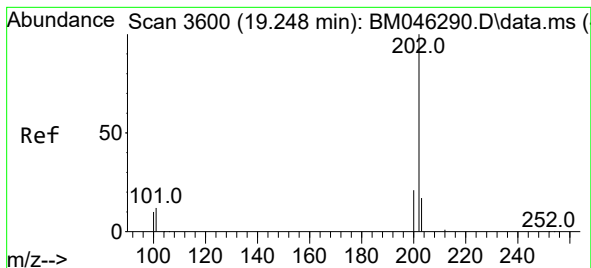
Ion Ratio Lower Upper

202 100

101 10.5 9.6 14.4

100 8.2 7.6 11.4





#20

Pyrene

Concen: 4.866 ng/ul

RT: 19.225 min Scan# 3

Delta R.T. -0.033 min

Lab File: BM046299.D

Acq: 25 Jun 2024 19:44

Instrument :

BNA_M

ClientSampleId :

A4C46DL

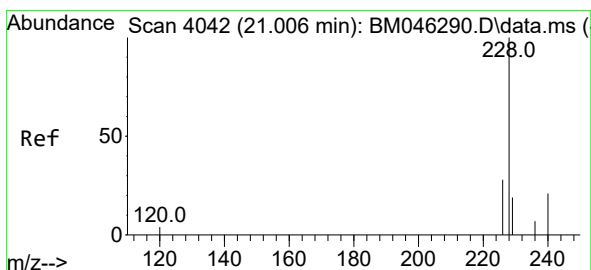
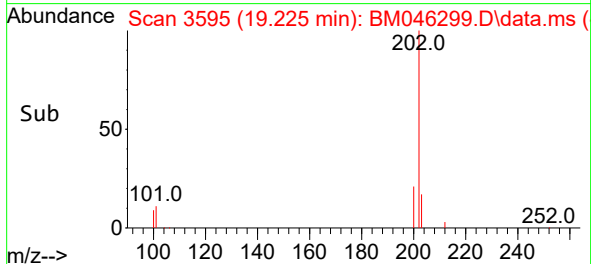
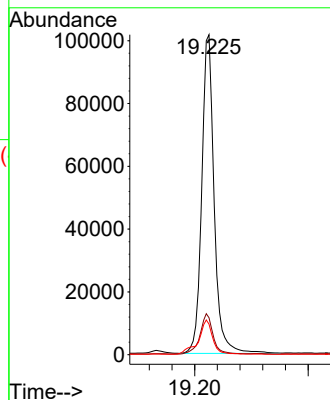
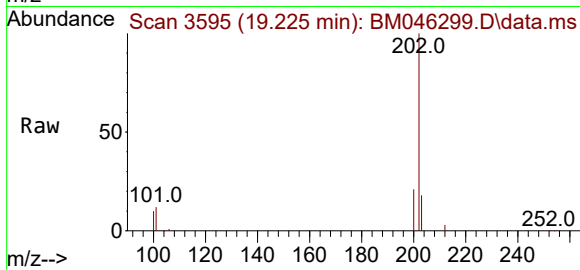
Tgt Ion:202 Resp: 154039

Ion Ratio Lower Upper

202 100

101 11.5 11.3 16.9

100 9.5 9.8 14.6#



#21

Benzo(a)anthracene

Concen: 3.595 ng/ul

RT: 20.982 min Scan# 4034

Delta R.T. -0.029 min

Lab File: BM046299.D

Acq: 25 Jun 2024 19:44

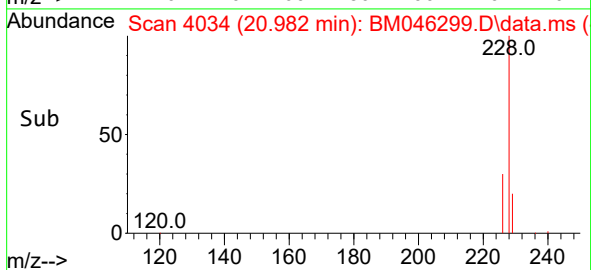
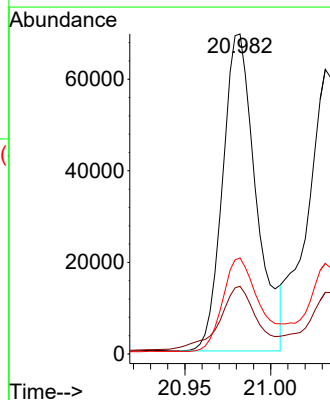
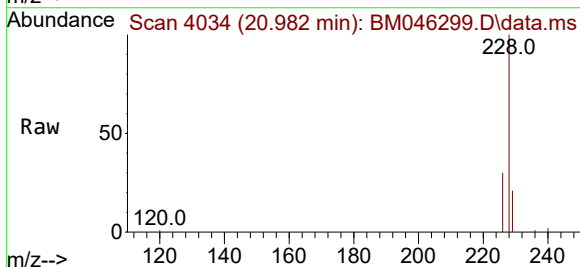
Tgt Ion:228 Resp: 93875

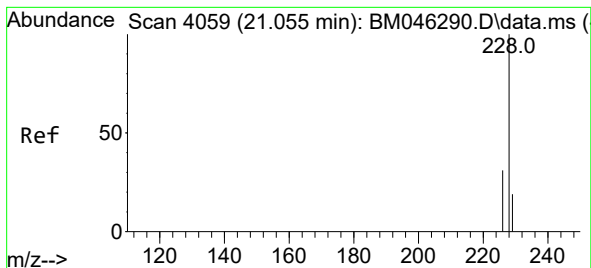
Ion Ratio Lower Upper

228 100

229 21.1 16.4 24.6

226 30.0 23.4 35.2





#22

Chrysene

Concen: 2.708 ng/ul

RT: 21.032 min Scan# 4051

Delta R.T. -0.026 min

Lab File: BM046299.D

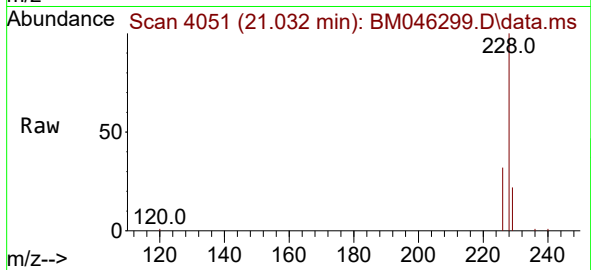
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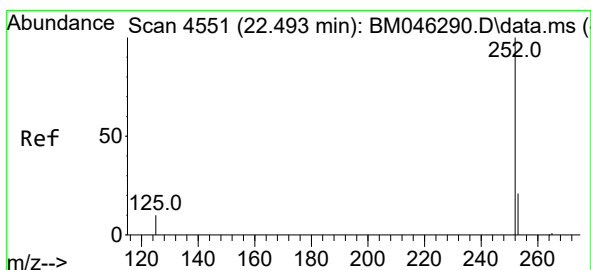
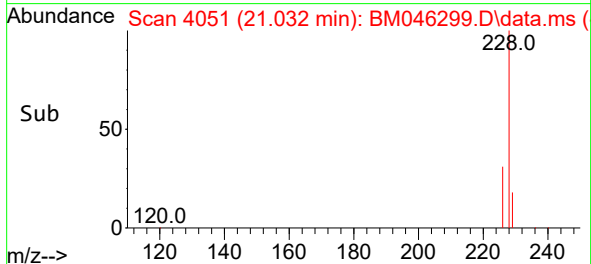
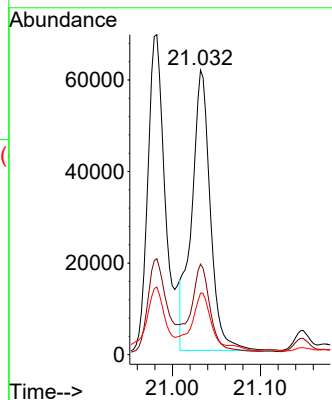
Tgt Ion:228 Resp: 90248

Ion Ratio Lower Upper

228 100

226 31.8 25.2 37.8

229 21.6 16.3 24.5



#24

Benzo(b)fluoranthene

Concen: 5.311 ng/ul

RT: 22.475 min Scan# 4545

Delta R.T. -0.021 min

Lab File: BM046299.D

Acq: 25 Jun 2024 19:44

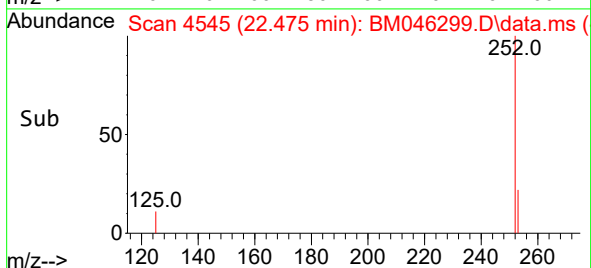
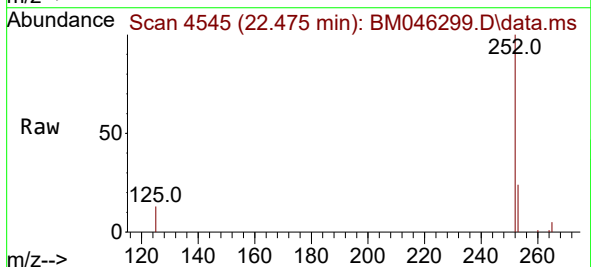
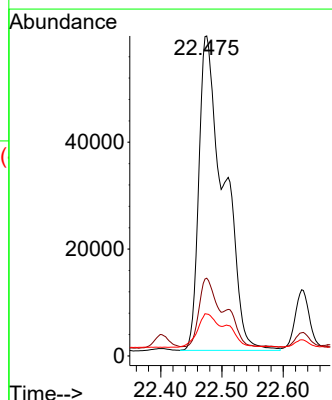
Tgt Ion:252 Resp: 166938

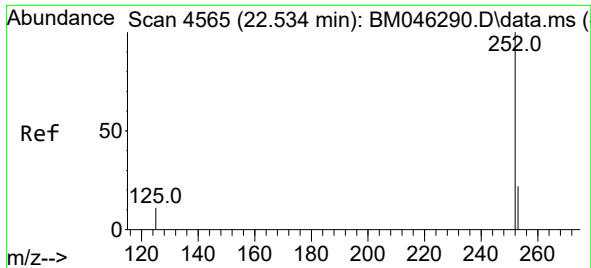
Ion Ratio Lower Upper

252 100

253 24.3 0.0 65.8

125 13.1 0.0 40.2

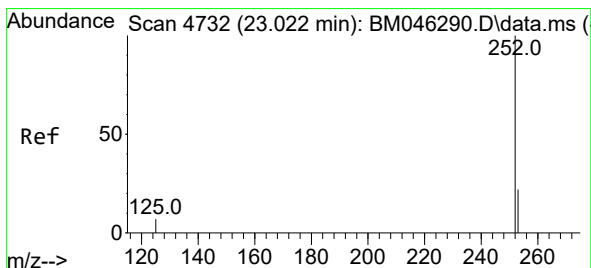
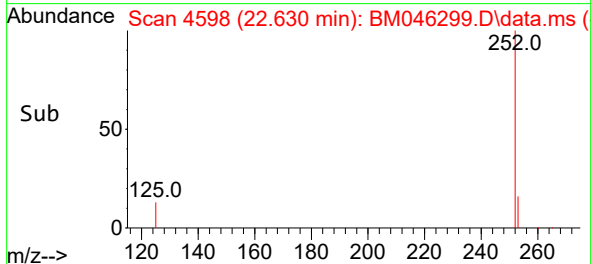
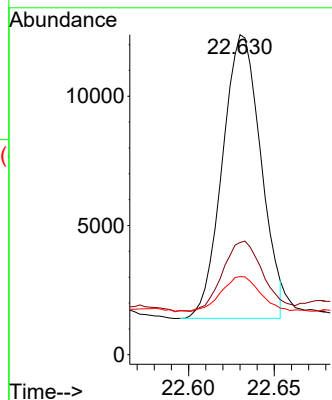
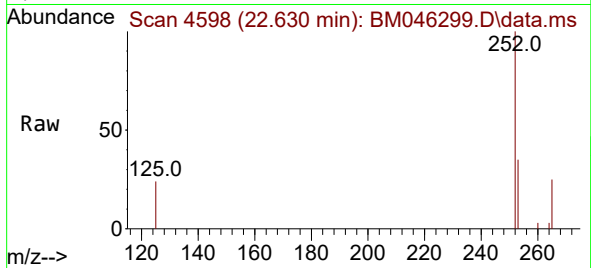




#25
Benzo(k)fluoranthene
Concen: 0.457 ng/ul
RT: 22.630 min Scan# 4565
Delta R.T. 0.093 min
Lab File: BM046299.D
Acq: 25 Jun 2024 19:44

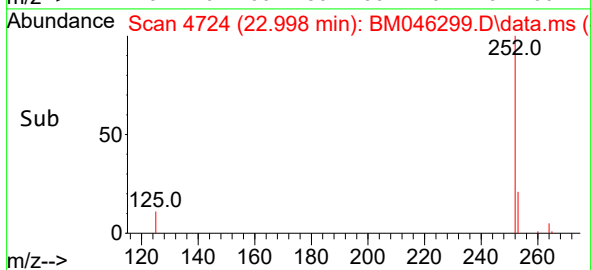
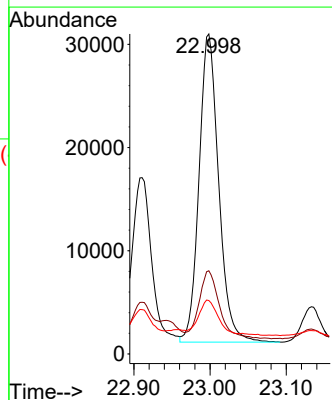
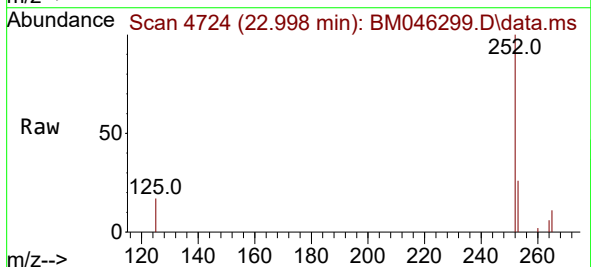
Instrument :
BNA_M
ClientSampleId :
A4C46DL

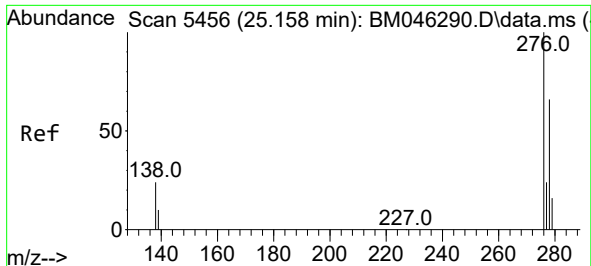
Tgt Ion:252 Resp: 17095
Ion Ratio Lower Upper
252 100
253 35.1 27.2 40.8
125 24.4 16.6 25.0



#26
Benzo(a)pyrene
Concen: 1.835 ng/ul
RT: 22.998 min Scan# 4724
Delta R.T. -0.029 min
Lab File: BM046299.D
Acq: 25 Jun 2024 19:44

Tgt Ion:252 Resp: 53447
Ion Ratio Lower Upper
252 100
253 26.0 32.1 48.1#
125 16.7 21.2 31.8#

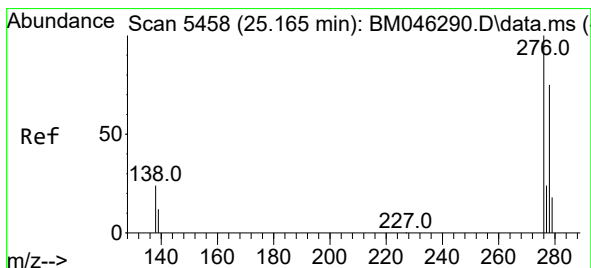
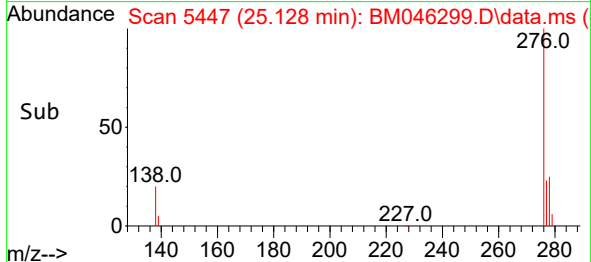
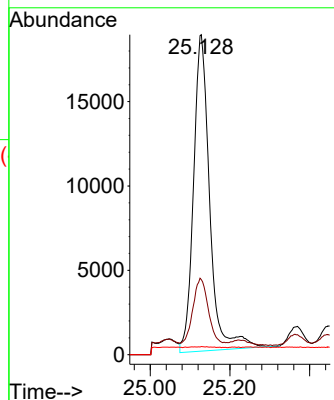
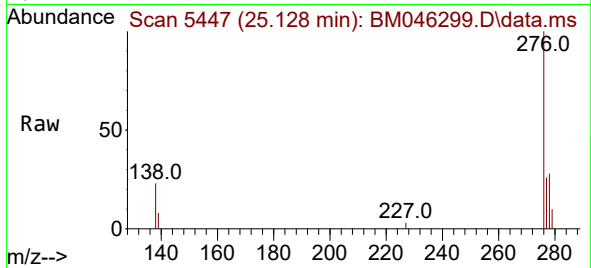




#27
Indeno(1,2,3-cd)pyrene
Concen: 1.103 ng/ul
RT: 25.128 min Scan# 5447
Delta R.T. -0.040 min
Lab File: BM046299.D
Acq: 25 Jun 2024 19:44

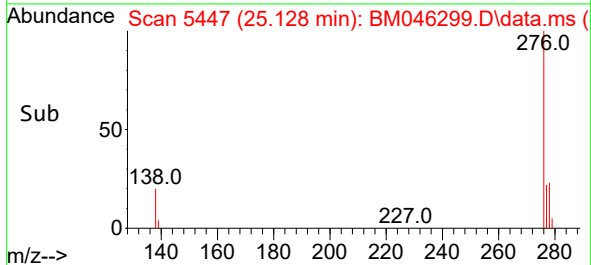
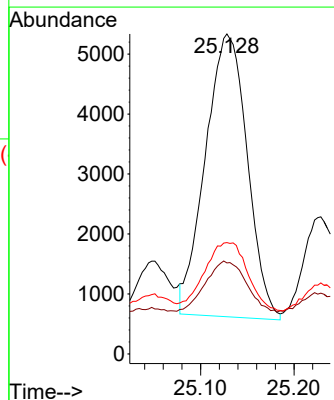
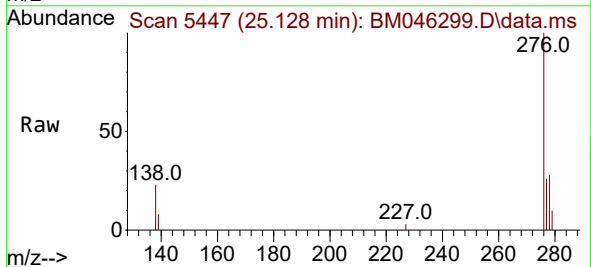
Instrument :
BNA_M
ClientSampleId :
A4C46DL

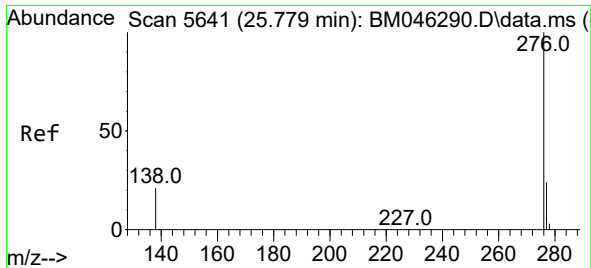
Tgt Ion:276 Resp: 52580
Ion Ratio Lower Upper
276 100
138 27.4 21.0 31.4
227 16.6 0.0 0.0#



#28
Dibenzo(a,h)anthracene
Concen: 0.413 ng/ul
RT: 25.128 min Scan# 5447
Delta R.T. -0.054 min
Lab File: BM046299.D
Acq: 25 Jun 2024 19:44

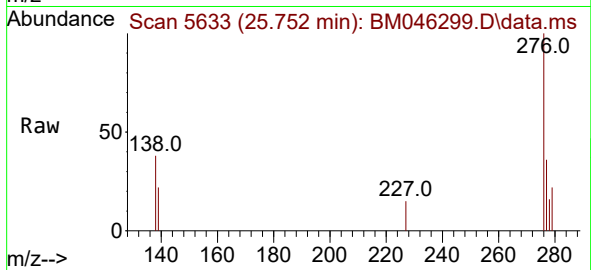
Tgt Ion:278 Resp: 14670
Ion Ratio Lower Upper
278 100
139 28.5 17.6 26.4#
279 34.8 26.3 39.5





#29
Benzo(g,h,i)perylene
Concen: 0.186 ng/ul
RT: 25.752 min Scan# 50
Delta R.T. -0.034 min
Lab File: BM046299.D
Acq: 25 Jun 2024 19:44

Instrument :
BNA_M
ClientSampleId :
A4C46DL



Tgt Ion:276 Resp: 7584
Ion Ratio Lower Upper
276 100
138 37.7 21.7 32.5#
277 36.5 20.4 30.6#

