

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
 Data File : BM046296.D
 Acq On : 25 Jun 2024 17:53
 Operator : MA/JU
 Sample : P2844-16
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C78

Quant Time: Jun 25 23:28:13 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

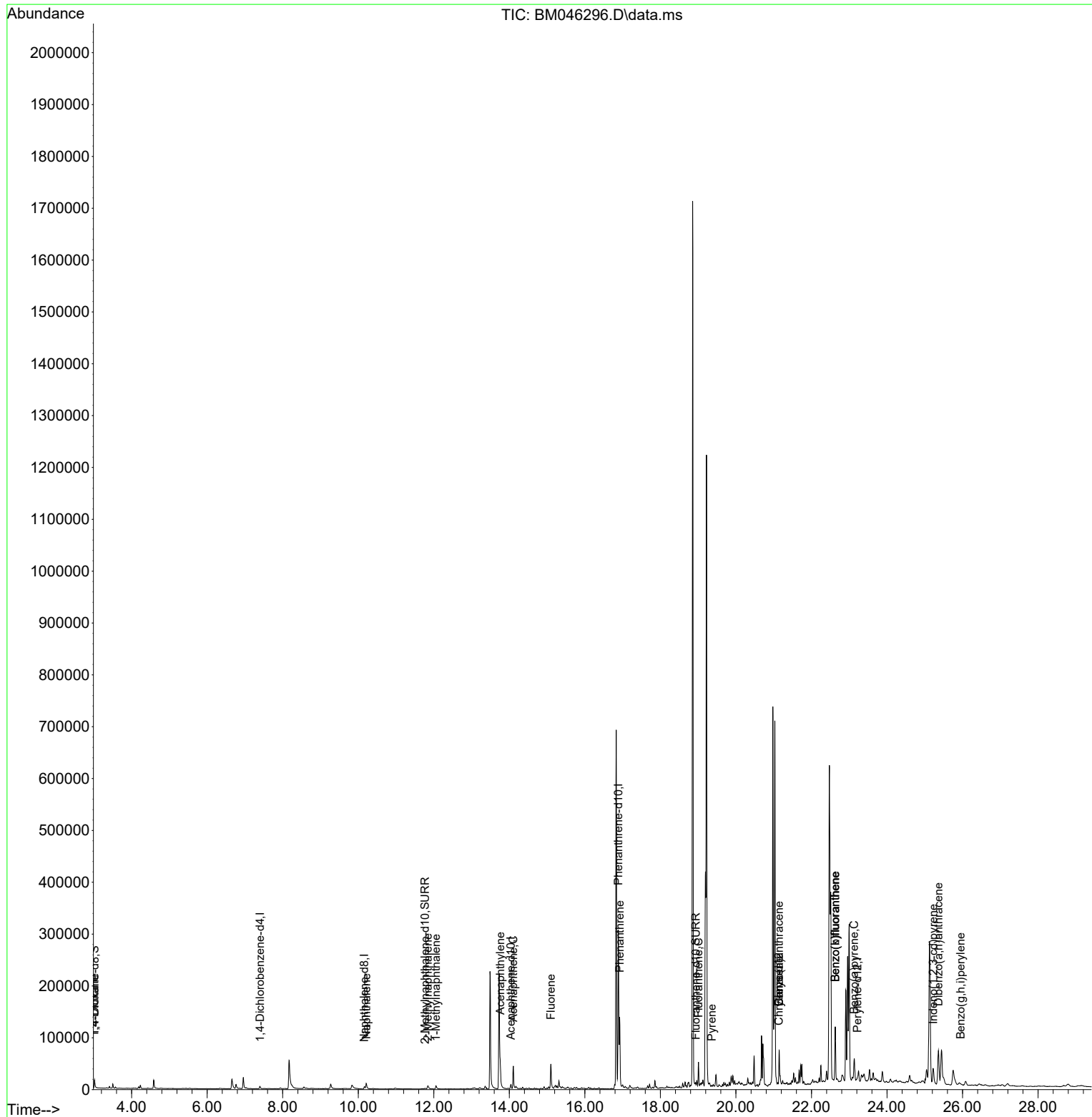
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.396	152	2492	0.400	ng/ul	-0.06
4) Naphthalene-d8	10.161	136	7898	0.400	ng/ul	-0.09
9) Acenaphthene-d10	14.039	164	4419	0.400	ng/ul	-0.05
13) Phenanthrene-d10	16.888	188	359178	0.400	ng/ul	# 0.03
17) Chrysene-d12	21.134	240	243	0.400	ng/ul	# 0.11
23) Perylene-d12	23.218	264	846	0.400	ng/ul	# 0.11
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.016	96	8813	2.578	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.767	152	2278	0.215	ng/ul	-0.10
18) Fluoranthene-d10	18.937	212	328	0.451	ng/ul	0.07
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.012	88	168	0.044	ng/ul#	1
5) Naphthalene	10.211	128	18854	0.856	ng/ul	95
7) 2-Methylnaphthalene	11.844	142	7355	0.593	ng/ul	96
8) 1-Methylnaphthalene	12.058	142	5776	0.425	ng/ul	100
10) Acenaphthylene	13.757	152	50606	2.414	ng/ul	97
11) Acenaphthene	14.104	153	27360	1.808	ng/ul	98
12) Fluorene	15.099	166	34183	2.105	ng/ul	99
15) Phenanthrene	16.922	178	139882	0.139	ng/ul	96
19) Fluoranthene	19.007	202	27953	26.568	ng/ul#	92
20) Pyrene	19.360	202	733	0.644	ng/ul#	59
21) Benzo(a)anthracene	21.143	228	56105	59.774	ng/ul#	56
22) Chrysene	21.143	228	56903	47.504	ng/ul#	59
24) Benzo(b)fluoranthene	22.627	252	123449	40.502	ng/ul	93
25) Benzo(k)fluoranthene	22.627	252	123449	34.068	ng/ul	92
26) Benzo(a)pyrene	23.130	252	45199	16.004	ng/ul	94
27) Indeno(1,2,3-cd)pyrene	25.222	276	10445	2.260	ng/ul#	17
28) Dibenzo(a,h)anthracene	25.360	278	86321	25.083	ng/ul	93
29) Benzo(g,h,i)perylene	25.946	276	3917	0.988	ng/ul#	1

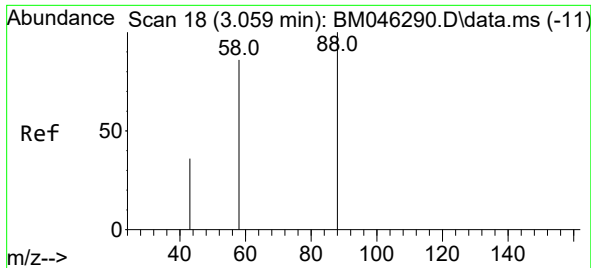
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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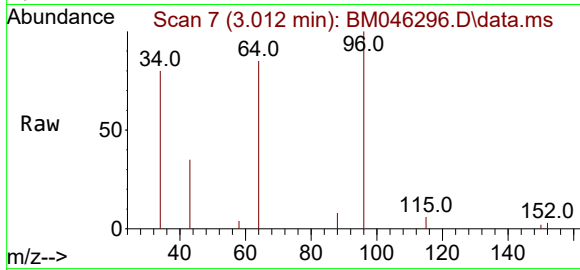
Quant Time: Jun 25 23:28:13 2024
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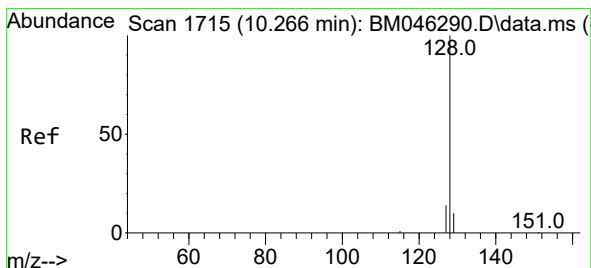
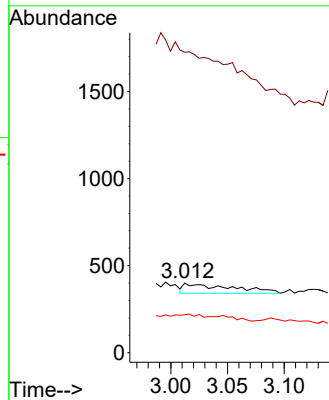
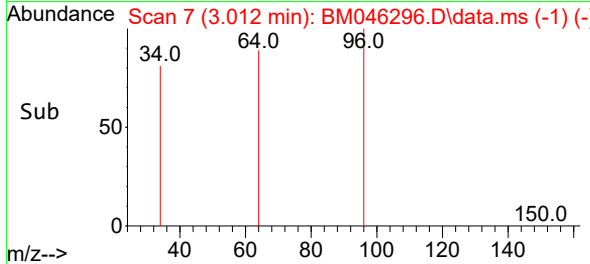


#2
1,4-Dioxane
Concen: 0.044 ng/ul
RT: 3.012 min Scan# 7
Delta R.T. -0.046 min
Lab File: BM046296.D
Acq: 25 Jun 2024 17:53

Instrument :
BNA_M
ClientSampleId :
A4C78

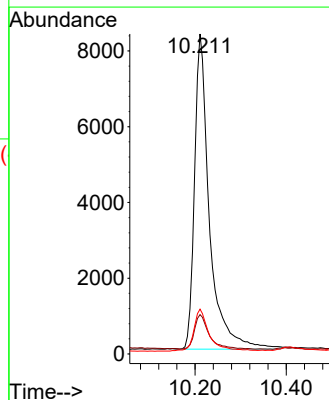
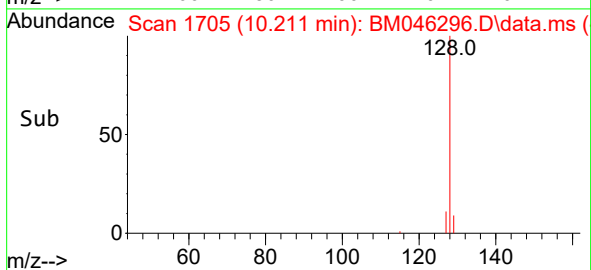
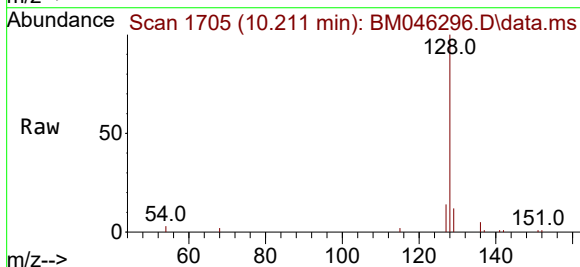


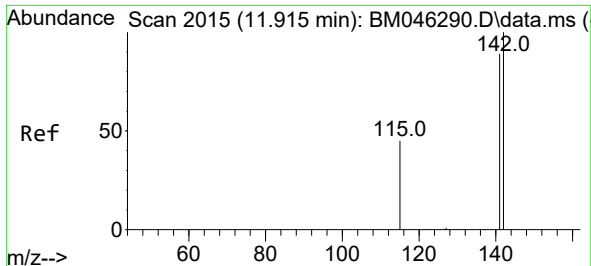
Tgt Ion: 88 Resp: 168
Ion Ratio Lower Upper
88 100
43 431.5 69.8 104.8#
58 54.5 53.2 79.8



#5
Naphthalene
Concen: 0.856 ng/ul
RT: 10.211 min Scan# 1705
Delta R.T. -0.094 min
Lab File: BM046296.D
Acq: 25 Jun 2024 17:53

Tgt Ion:128 Resp: 18854
Ion Ratio Lower Upper
128 100
129 12.3 11.8 17.6
127 14.0 12.8 19.2

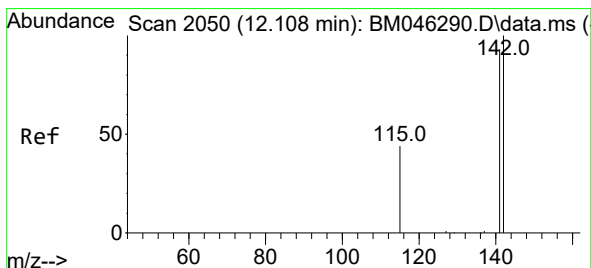
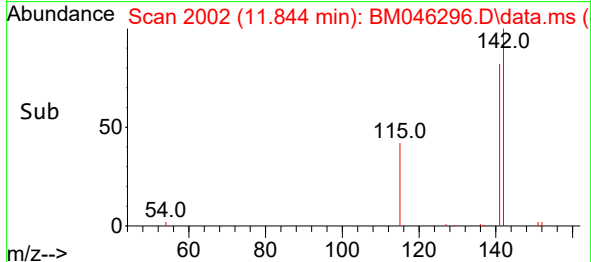
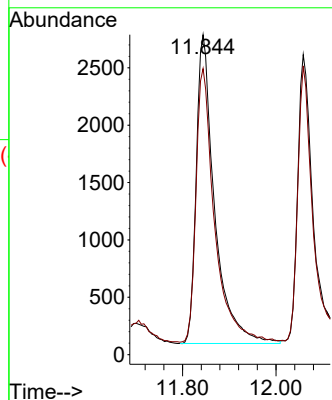
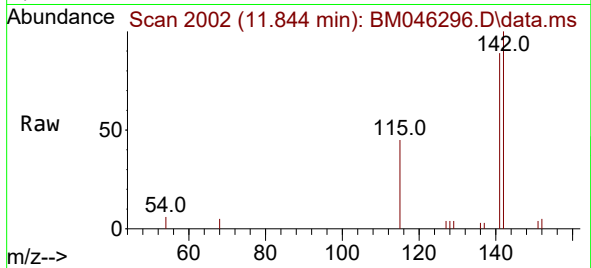




#7
2-Methylnaphthalene
Concen: 0.593 ng/ul
RT: 11.844 min Scan# 2015
Delta R.T. -0.110 min
Lab File: BM046296.D
Acq: 25 Jun 2024 17:53

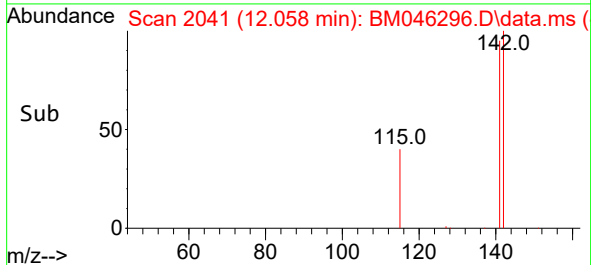
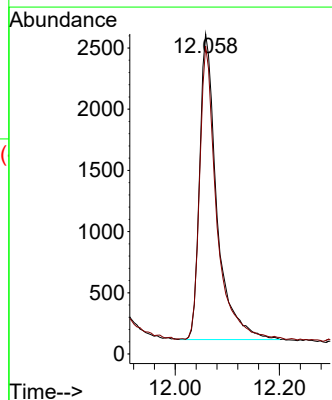
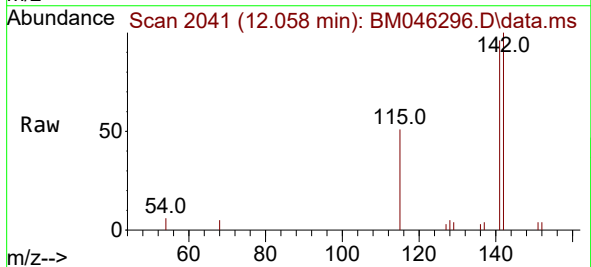
Instrument :
BNA_M
ClientSampleId :
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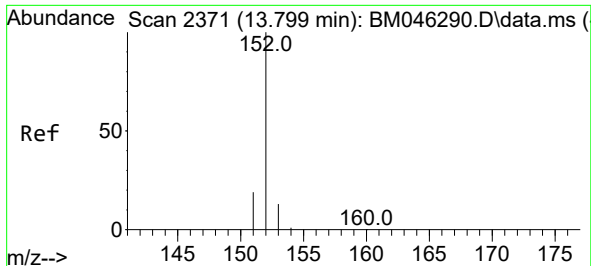
Tgt Ion:142 Resp: 7355
Ion Ratio Lower Upper
142 100
141 89.6 74.6 111.8



#8
1-Methylnaphthalene
Concen: 0.425 ng/ul
RT: 12.058 min Scan# 2041
Delta R.T. -0.077 min
Lab File: BM046296.D
Acq: 25 Jun 2024 17:53

Tgt Ion:142 Resp: 5776
Ion Ratio Lower Upper
142 100
141 93.6 75.2 112.8

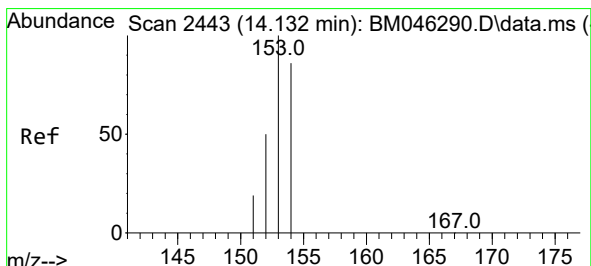
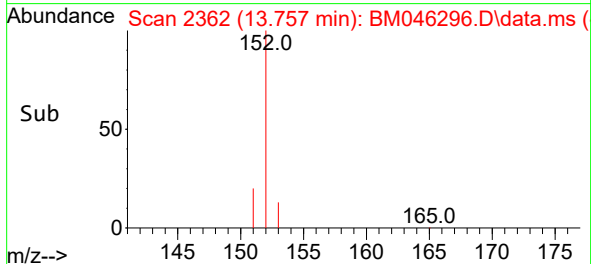
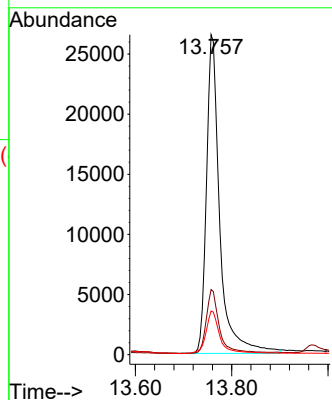
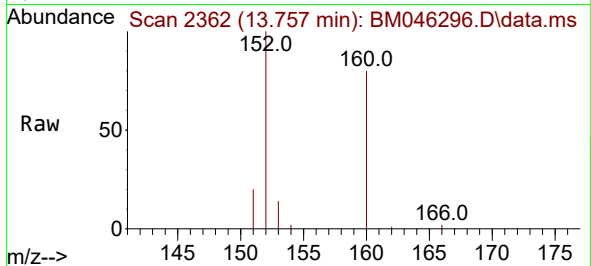




#10
Acenaphthylene
Concen: 2.414 ng/ul
RT: 13.757 min Scan# 21
Delta R.T. -0.060 min
Lab File: BM046296.D
Acq: 25 Jun 2024 17:53

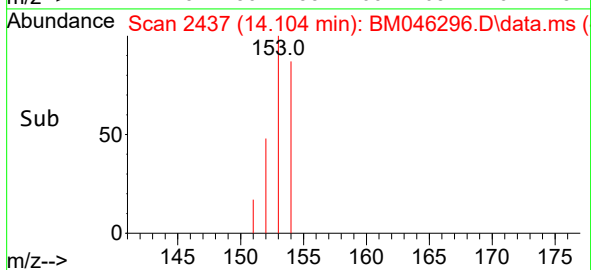
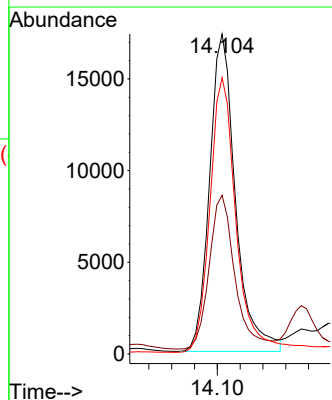
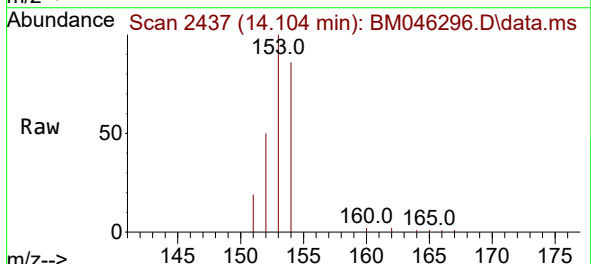
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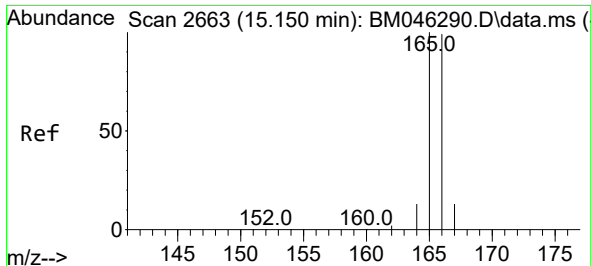
Tgt Ion:152 Resp: 50606
Ion Ratio Lower Upper
152 100
151 20.4 17.4 26.2
153 13.6 11.8 17.8



#11
Acenaphthene
Concen: 1.808 ng/ul
RT: 14.104 min Scan# 2437
Delta R.T. -0.042 min
Lab File: BM046296.D
Acq: 25 Jun 2024 17:53

Tgt Ion:153 Resp: 27360
Ion Ratio Lower Upper
153 100
152 49.6 41.3 61.9
154 86.3 68.2 102.4

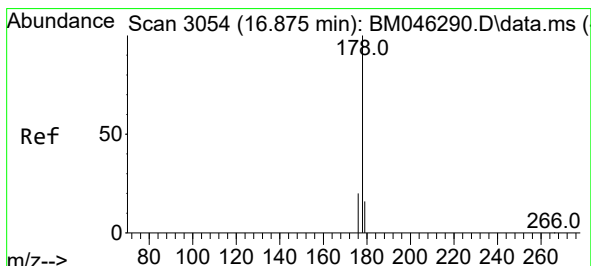
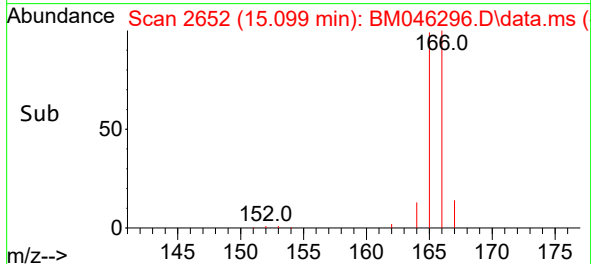
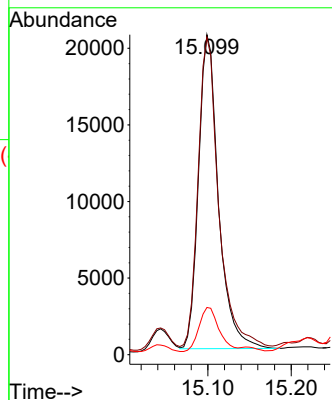
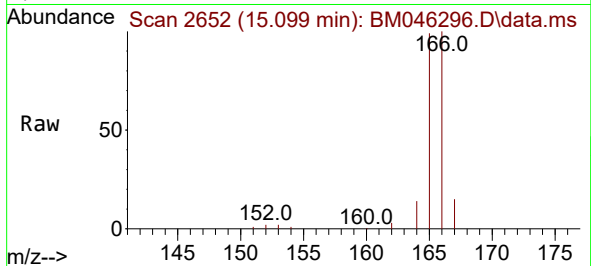




#12
Fluorene
Concen: 2.105 ng/ul
RT: 15.099 min Scan# 2
Delta R.T. -0.069 min
Lab File: BM046296.D
Acq: 25 Jun 2024 17:53

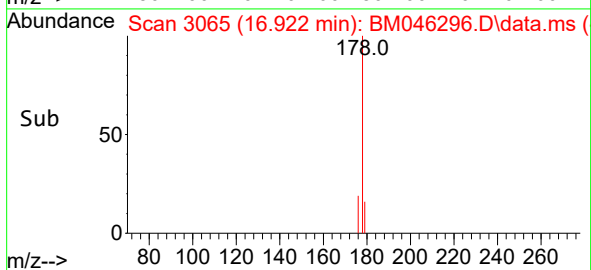
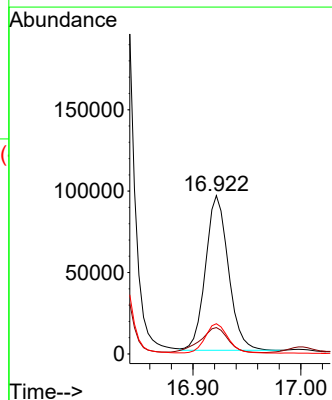
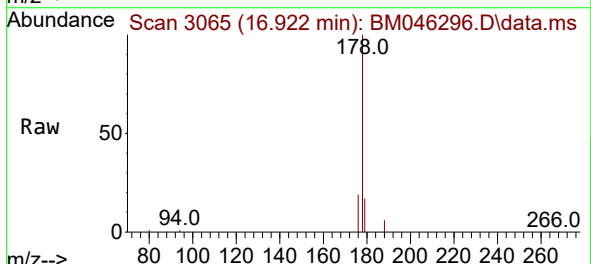
Instrument :
BNA_M
ClientSampleId :
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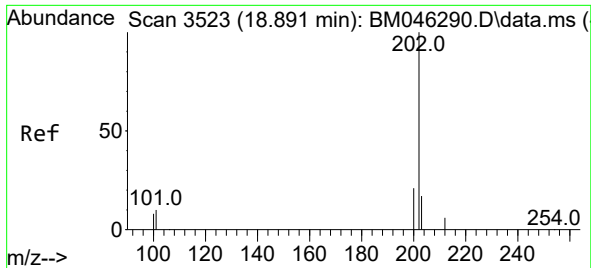
Tgt Ion:166 Resp: 34183
Ion Ratio Lower Upper
166 100
165 99.2 80.4 120.6
167 14.8 12.4 18.6



#15
Phenanthrene
Concen: 0.139 ng/ul
RT: 16.922 min Scan# 3065
Delta R.T. 0.034 min
Lab File: BM046296.D
Acq: 25 Jun 2024 17:53

Tgt Ion:178 Resp: 139882
Ion Ratio Lower Upper
178 100
179 16.6 14.2 21.2
176 19.1 17.1 25.7

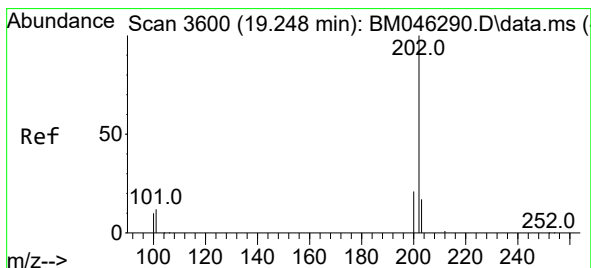
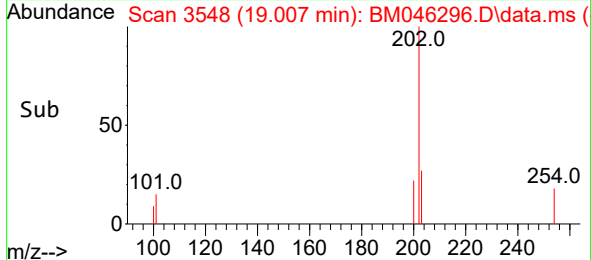
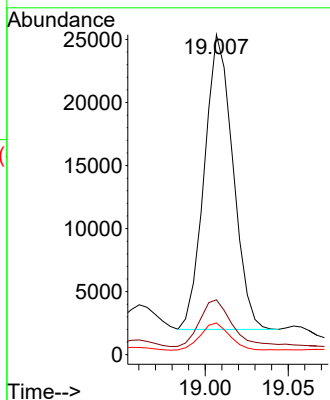
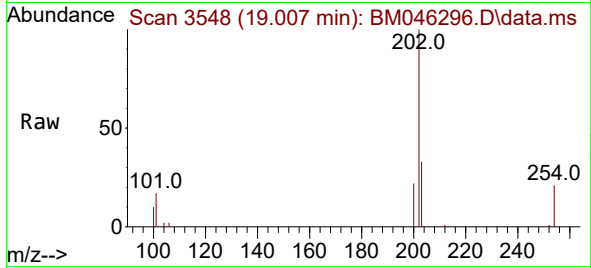




#19
Fluoranthene
Concen: 26.568 ng/ul
RT: 19.007 min Scan# 3548
Delta R.T. 0.102 min
Lab File: BM046296.D
Acq: 25 Jun 2024 17:53

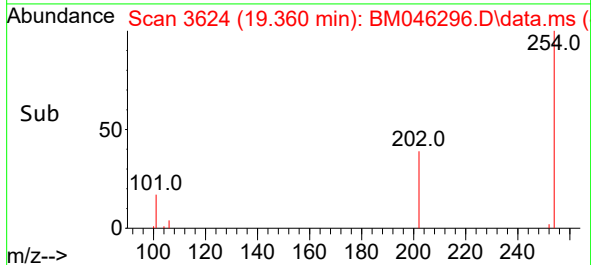
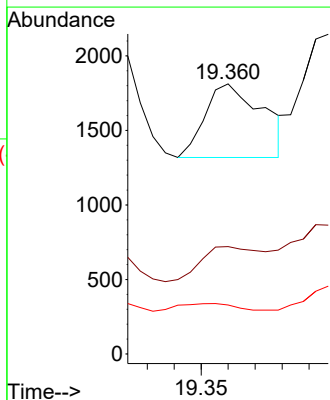
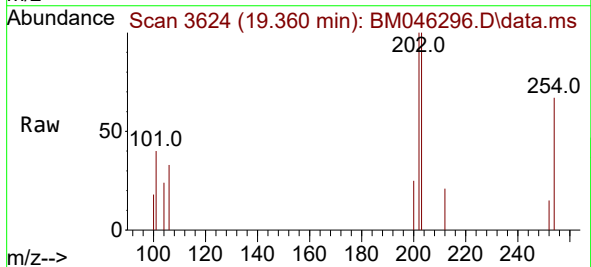
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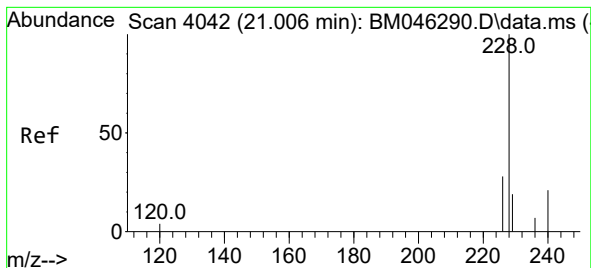
Tgt Ion:202 Resp: 27953
Ion Ratio Lower Upper
202 100
101 17.2 9.6 14.4#
100 9.9 7.6 11.4



#20
Pyrene
Concen: 0.644 ng/ul
RT: 19.360 min Scan# 3624
Delta R.T. 0.102 min
Lab File: BM046296.D
Acq: 25 Jun 2024 17:53

Tgt Ion:202 Resp: 733
Ion Ratio Lower Upper
202 100
101 39.8 11.3 16.9#
100 18.2 9.8 14.6#





#21

Benzo(a)anthracene

Concen: 59.774 ng/ul

RT: 21.143 min Scan# 4089

Delta R.T. 0.131 min

Lab File: BM046296.D

Acq: 25 Jun 2024 17:53

Instrument :

BNA_M

ClientSampleId :

A4C78

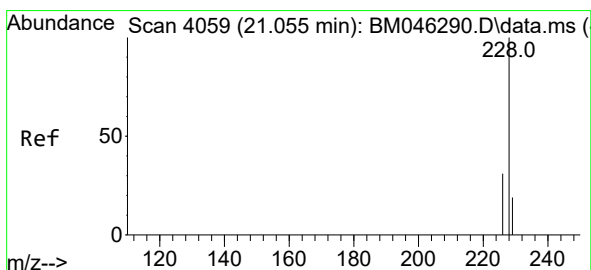
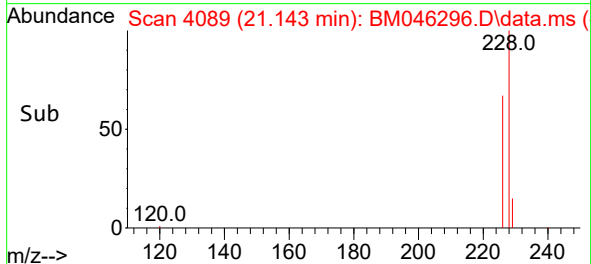
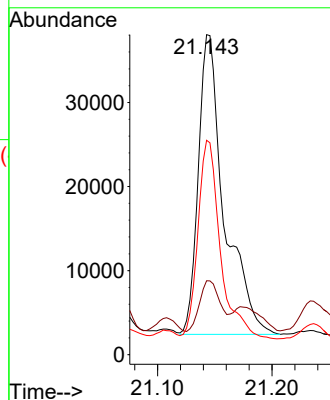
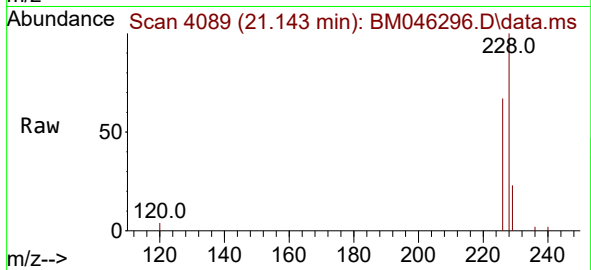
Tgt Ion:228 Resp: 56105

Ion Ratio Lower Upper

228 100

229 23.1 16.4 24.6

226 67.0 23.4 35.2#



#22

Chrysene

Concen: 47.504 ng/ul

RT: 21.143 min Scan# 4089

Delta R.T. 0.085 min

Lab File: BM046296.D

Acq: 25 Jun 2024 17:53

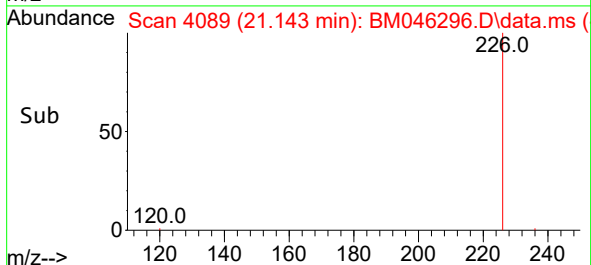
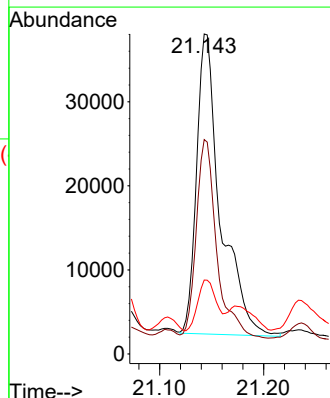
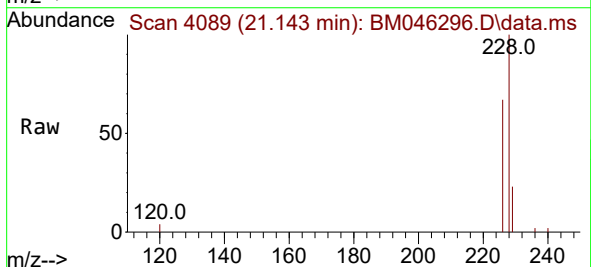
Tgt Ion:228 Resp: 56903

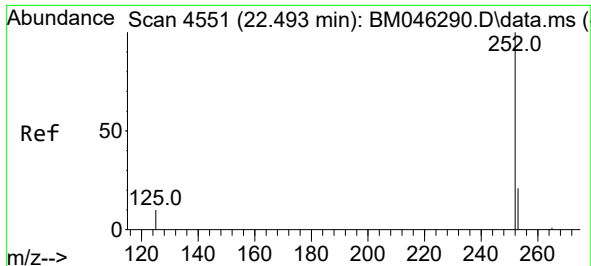
Ion Ratio Lower Upper

228 100

226 67.0 25.2 37.8#

229 23.1 16.3 24.5

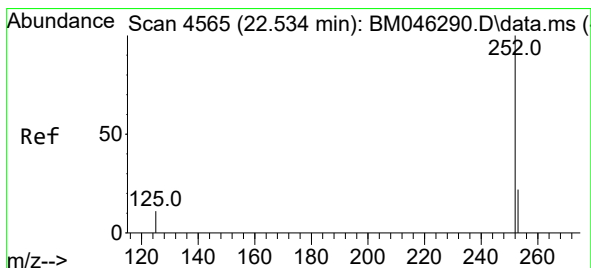
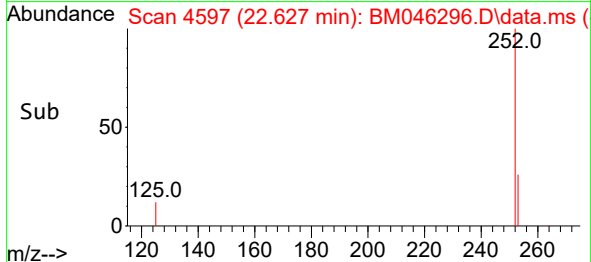
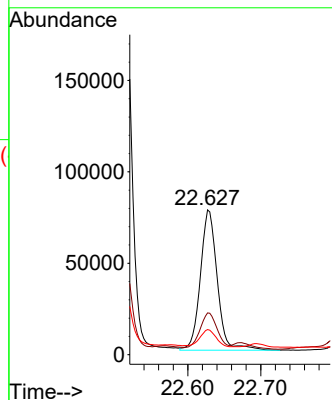
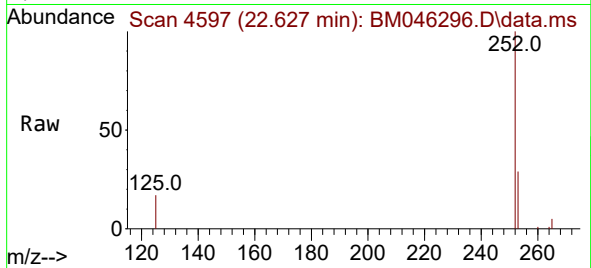




#24
Benzo(b)fluoranthene
Concen: 40.502 ng/ul
RT: 22.627 min Scan# 4597
Delta R.T. 0.132 min
Lab File: BM046296.D
Acq: 25 Jun 2024 17:53

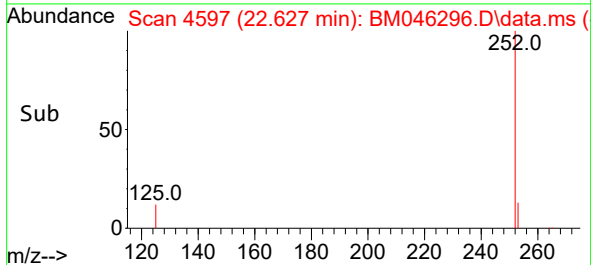
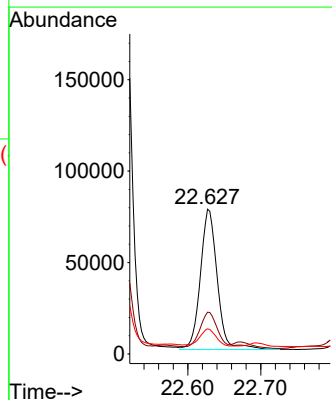
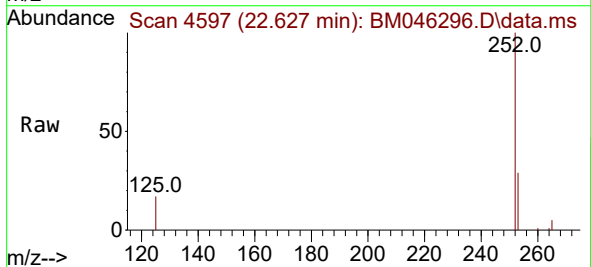
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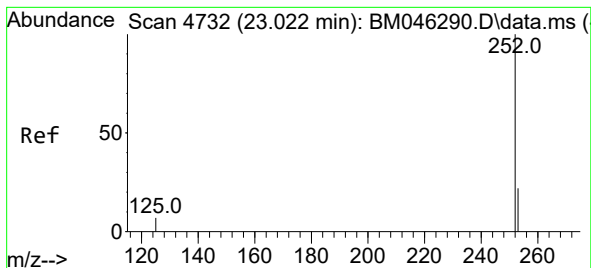
Tgt Ion:252 Resp: 123449
Ion Ratio Lower Upper
252 100
253 28.8 0.0 65.8
125 17.3 0.0 40.2



#25
Benzo(k)fluoranthene
Concen: 34.068 ng/ul
RT: 22.627 min Scan# 4597
Delta R.T. 0.091 min
Lab File: BM046296.D
Acq: 25 Jun 2024 17:53

Tgt Ion:252 Resp: 123449
Ion Ratio Lower Upper
252 100
253 28.8 27.2 40.8
125 17.3 16.6 25.0





#26

Benzo(a)pyrene

Concen: 16.004 ng/ul

RT: 23.130 min Scan# 41

Delta R.T. 0.102 min

Lab File: BM046296.D

Acq: 25 Jun 2024 17:53

Instrument :

BNA_M

ClientSampleId :

A4C78

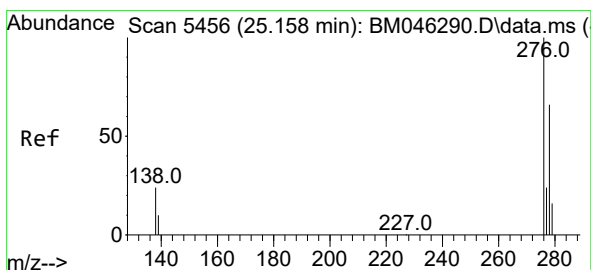
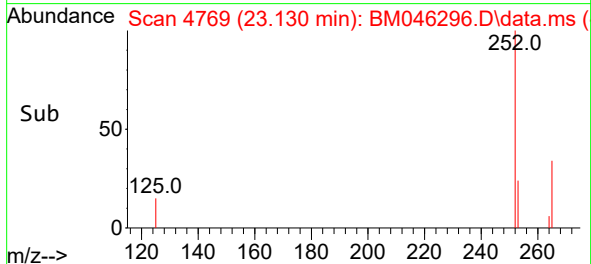
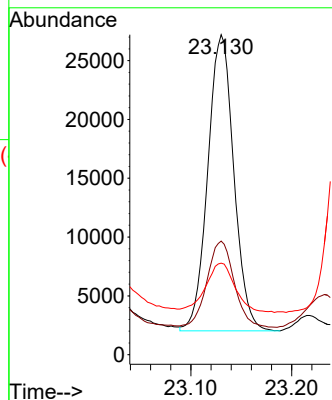
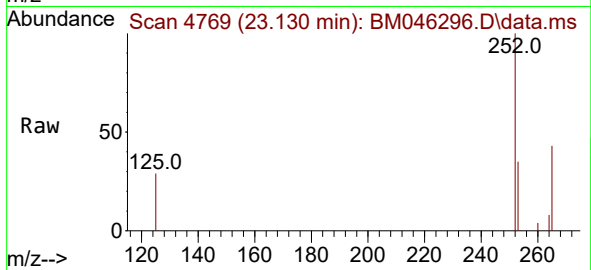
Tgt Ion:252 Resp: 45199

Ion Ratio Lower Upper

252 100

253 35.5 32.1 48.1

125 28.6 21.2 31.8



#27

Indeno(1,2,3-cd)pyrene

Concen: 2.260 ng/ul

RT: 25.222 min Scan# 5475

Delta R.T. 0.054 min

Lab File: BM046296.D

Acq: 25 Jun 2024 17:53

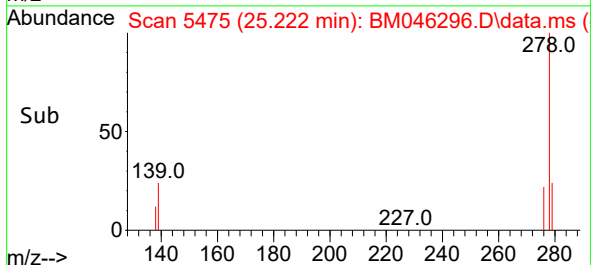
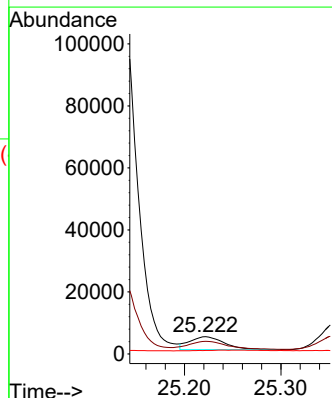
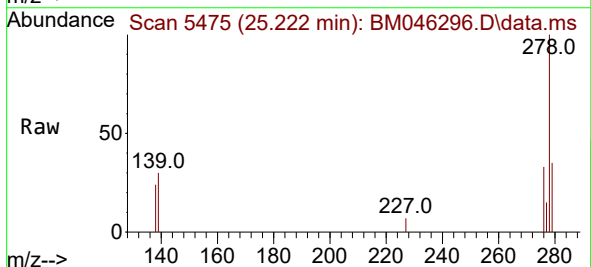
Tgt Ion:276 Resp: 10445

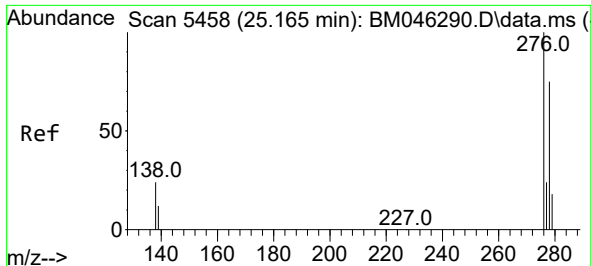
Ion Ratio Lower Upper

276 100

138 68.6 21.0 31.4#

227 4.0 0.0 0.0#

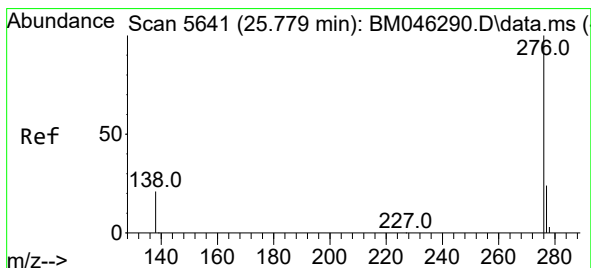
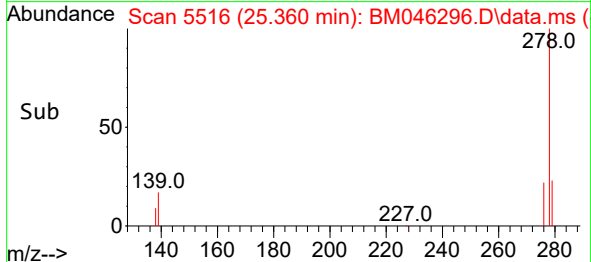
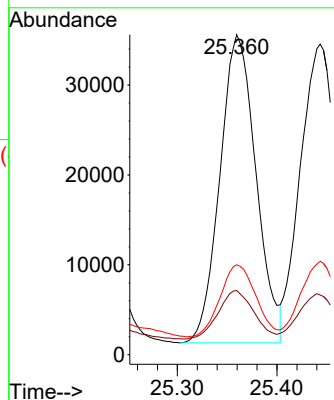
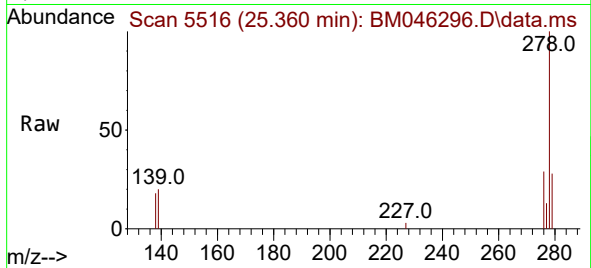




#28
Dibenzo(a,h)anthracene
Concen: 25.083 ng/ul
RT: 25.360 min Scan# 51
Delta R.T. 0.178 min
Lab File: BM046296.D
Acq: 25 Jun 2024 17:53

Instrument :
BNA_M
ClientSampleId :
A4C78

Tgt Ion:278 Resp: 86321
Ion Ratio Lower Upper
278 100
139 20.1 17.6 26.4
279 28.1 26.3 39.5



#29
Benzo(g,h,i)perylene
Concen: 0.988 ng/ul
RT: 25.946 min Scan# 5691
Delta R.T. 0.161 min
Lab File: BM046296.D
Acq: 25 Jun 2024 17:53

Tgt Ion:276 Resp: 3917
Ion Ratio Lower Upper
276 100
138 90.0 21.7 32.5#
277 71.9 20.4 30.6#

