

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
 Data File : BM046166.D
 Acq On : 21 Jun 2024 18:52
 Operator : MA/JU
 Sample : P2754-12
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BQ5

Quant Time: Jun 21 22:27:34 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 18 13:58:29 2024
 Response via : Initial Calibration

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

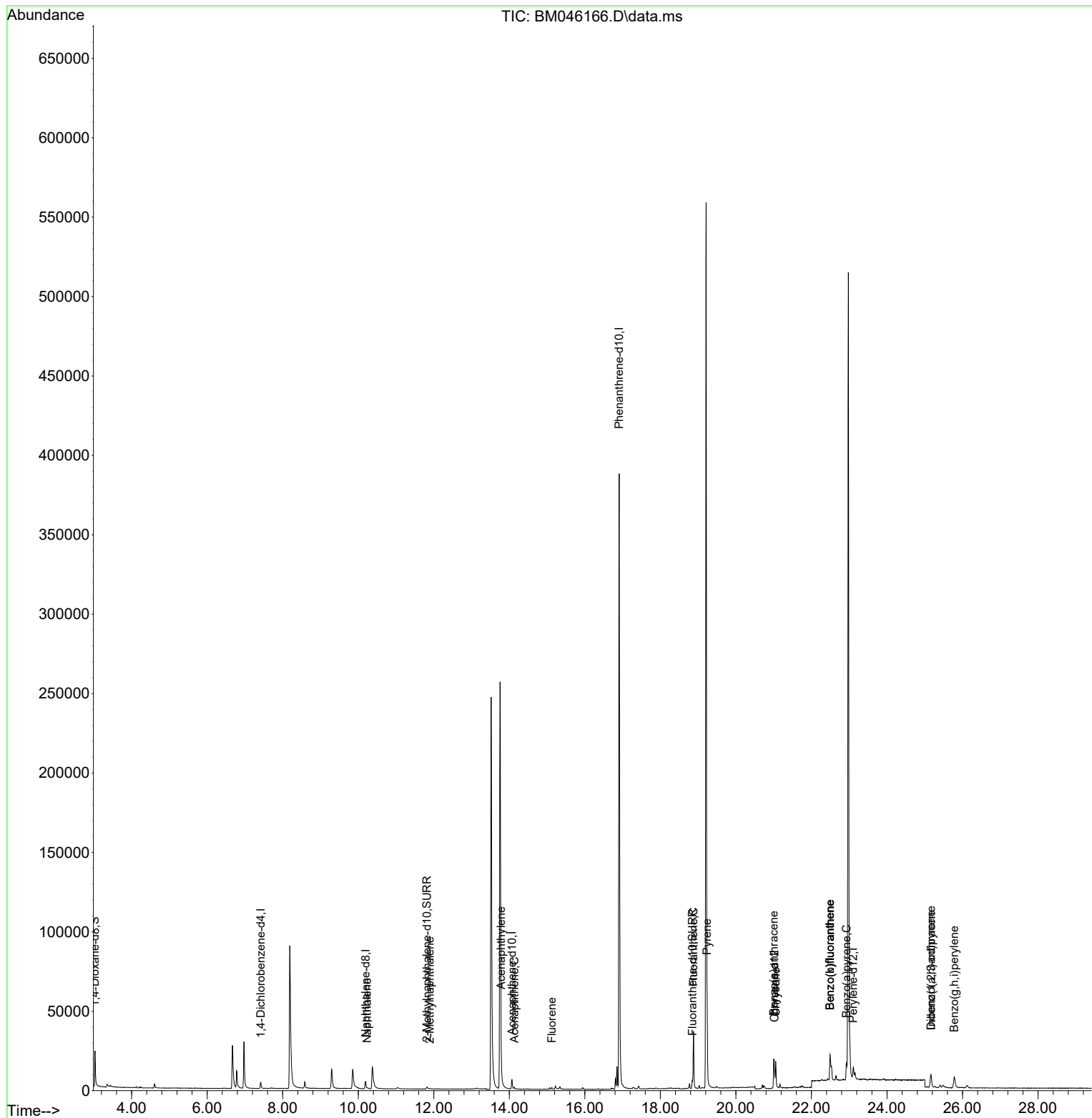
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.417	152	2335	0.400	ng/ul	-0.05
4) Naphthalene-d8	10.193	136	7037	0.400	ng/ul	-0.06
9) Acenaphthene-d10	14.070	164	3896	0.400	ng/ul	#-0.04
13) Phenanthrene-d10	16.908	188	483575	0.400	ng/ul	# 0.05
17) Chrysene-d12	21.018	240	6090	0.400	ng/ul	-0.03
23) Perylene-d12	23.107	264	12289	0.400	ng/ul	#-0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.029	96	12787	3.991	ng/ul	-0.02
6) 2-Methylnaphthalene-d10	11.820	152	2690	0.285	ng/ul	-0.04
18) Fluoranthene-d10	18.847	212	6184	0.339	ng/ul	-0.04
Target Compounds						
						Qvalue
5) Naphthalene	10.237	128	900	0.046	ng/ul#	75
7) 2-Methylnaphthalene	11.892	142	311	0.028	ng/ul	99
10) Acenaphthylene	13.784	152	2027	0.110	ng/ul#	85
11) Acenaphthene	14.131	153	713	0.053	ng/ul#	93
12) Fluorene	15.125	166	880	0.061	ng/ul#	96
19) Fluoranthene	18.875	202	34658	1.314	ng/ul	98
20) Pyrene	19.238	202	34959	1.226	ng/ul	98
21) Benzo(a)anthracene	21.000	228	17882	0.760	ng/ul	97
22) Chrysene	21.053	228	16786	0.559	ng/ul	97
24) Benzo(b)fluoranthene	22.493	252	34712	0.784	ng/ul	96
25) Benzo(k)fluoranthene	22.493	252	34712	0.659	ng/ul	95
26) Benzo(a)pyrene	22.926	252	14352	0.350	ng/ul	92
27) Indeno(1,2,3-cd)pyrene	25.165	276	14162	0.211	ng/ul#	88
28) Dibenzo(a,h)anthracene	25.165	278	3060	0.061	ng/ul#	57
29) Benzo(g,h,i)perylene	25.782	276	15244	0.265	ng/ul	98

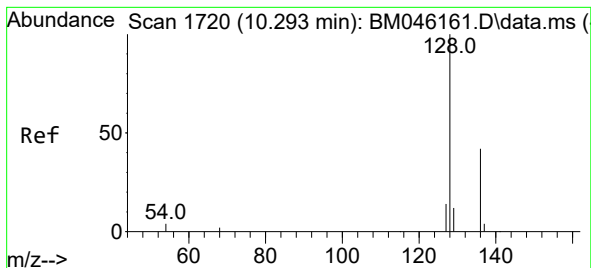
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.046 ng/ul

RT: 10.237 min Scan# 1

Delta R.T. -0.066 min

Lab File: BM046166.D

Acq: 21 Jun 2024 18:52

Instrument :

BNA_M

ClientSampleId :

A4BQ5

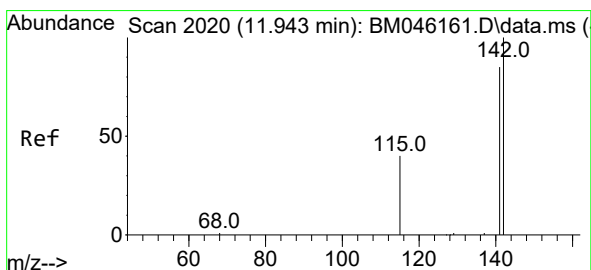
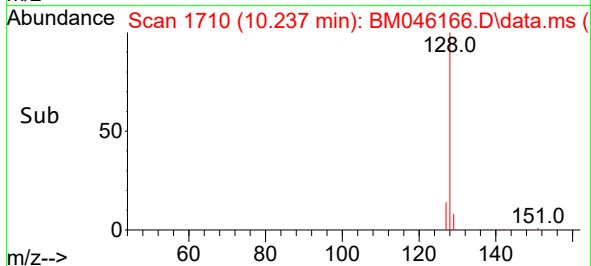
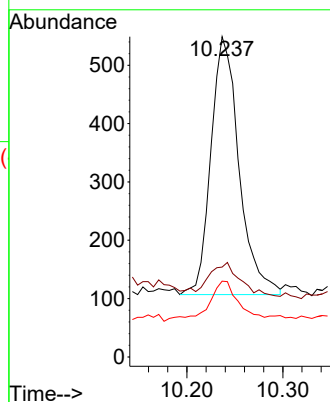
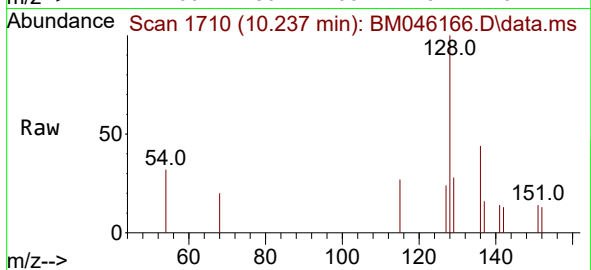
Tgt Ion:128 Resp: 900

Ion Ratio Lower Upper

128 100

129 28.1 11.8 17.6#

127 23.7 12.8 19.2#



#7

2-Methylnaphthalene

Concen: 0.028 ng/ul

RT: 11.892 min Scan# 2011

Delta R.T. -0.055 min

Lab File: BM046166.D

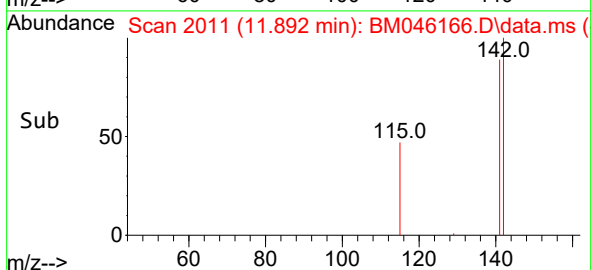
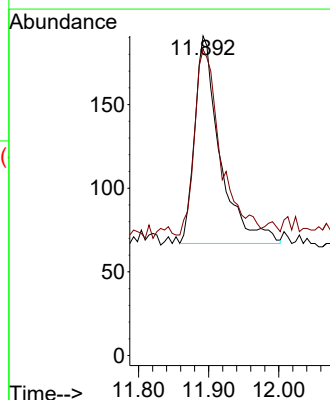
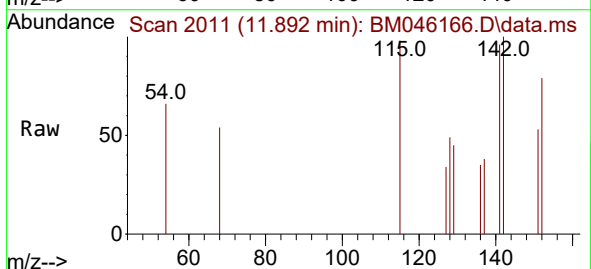
Acq: 21 Jun 2024 18:52

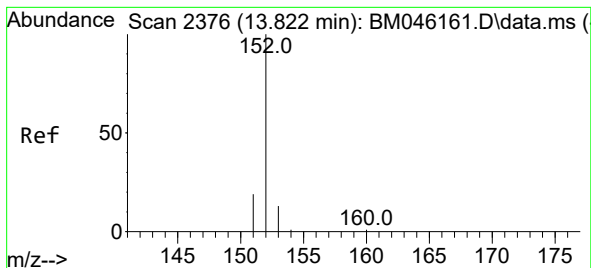
Tgt Ion:142 Resp: 311

Ion Ratio Lower Upper

142 100

141 92.6 74.6 111.8





#10

Acenaphthylene

Concen: 0.110 ng/ul

RT: 13.784 min Scan# 21

Delta R.T. -0.051 min

Lab File: BM046166.D

Acq: 21 Jun 2024 18:52

Instrument :

BNA_M

ClientSampleId :

A4BQ5

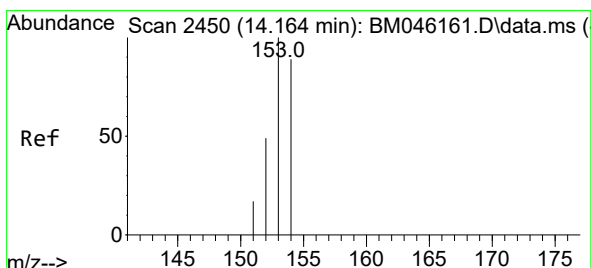
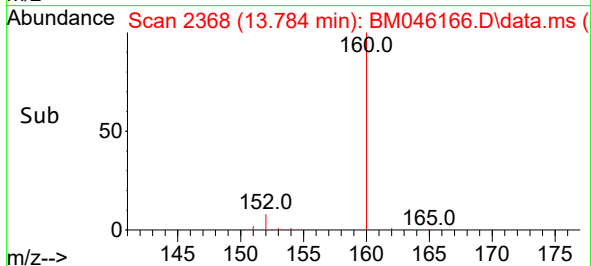
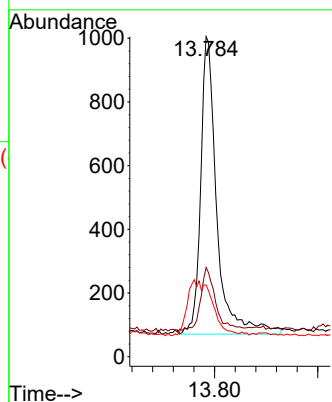
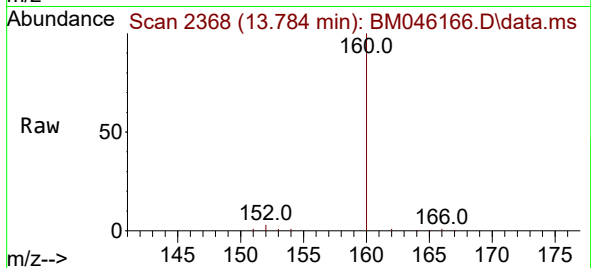
Tgt Ion:152 Resp: 2027

Ion Ratio Lower Upper

152 100

151 27.9 17.4 26.2#

153 22.4 11.8 17.8#



#11

Acenaphthene

Concen: 0.053 ng/ul

RT: 14.131 min Scan# 2443

Delta R.T. -0.042 min

Lab File: BM046166.D

Acq: 21 Jun 2024 18:52

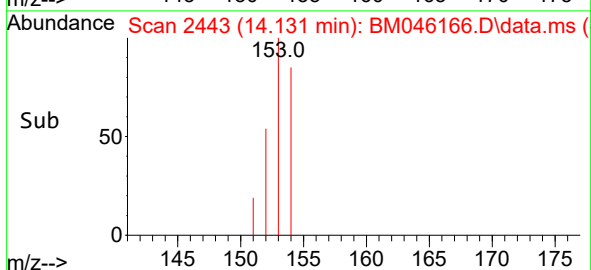
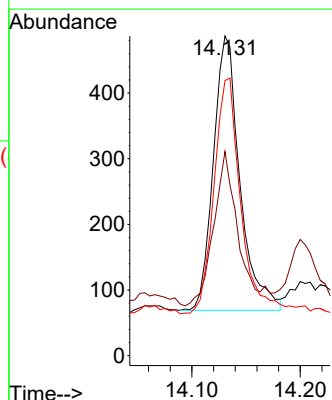
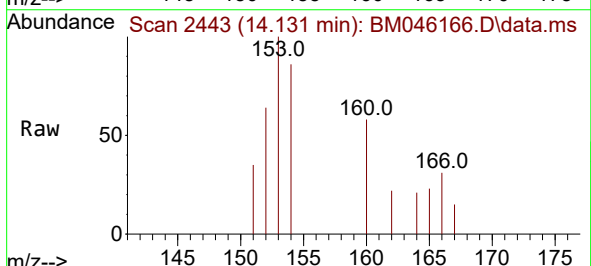
Tgt Ion:153 Resp: 713

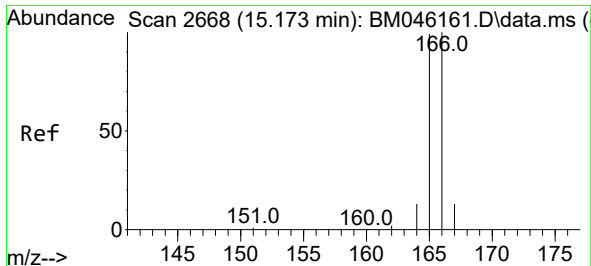
Ion Ratio Lower Upper

153 100

152 63.9 41.3 61.9#

154 86.0 68.2 102.4

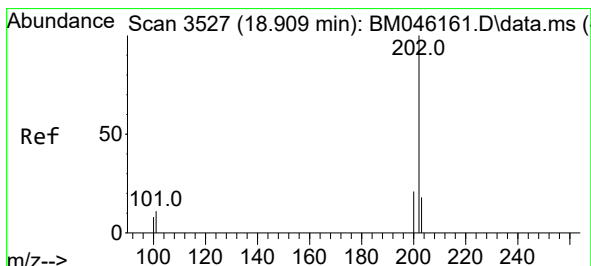
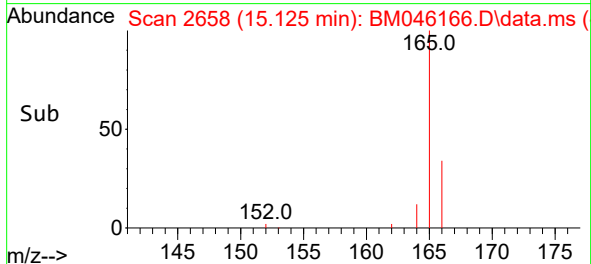
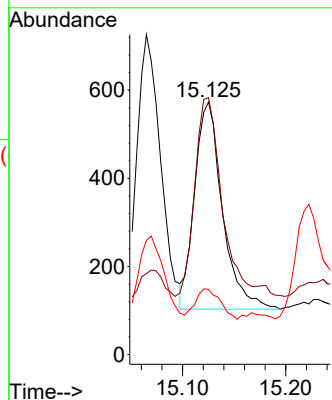
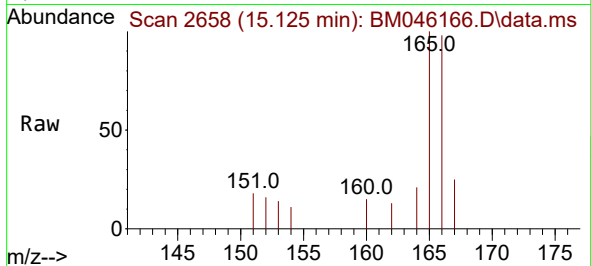




#12
Fluorene
Concen: 0.061 ng/ul
RT: 15.125 min Scan# 20
Delta R.T. -0.056 min
Lab File: BM046166.D
Acq: 21 Jun 2024 18:52

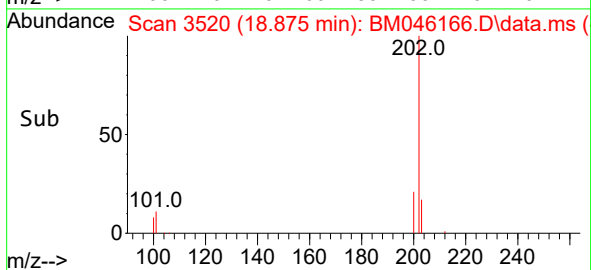
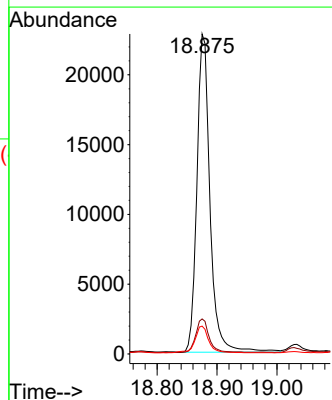
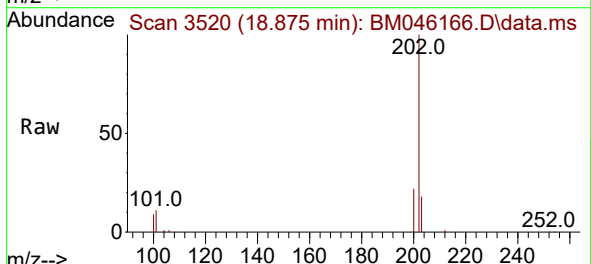
Instrument :
BNA_M
ClientSampleId :
A4BQ5

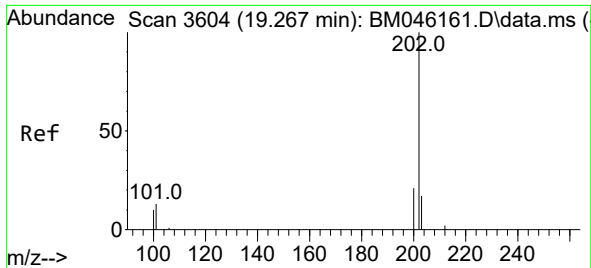
Tgt Ion:166 Resp: 880
Ion Ratio Lower Upper
166 100
165 101.7 80.4 120.6
167 25.8 12.4 18.6#



#19
Fluoranthene
Concen: 1.314 ng/ul
RT: 18.875 min Scan# 3520
Delta R.T. -0.042 min
Lab File: BM046166.D
Acq: 21 Jun 2024 18:52

Tgt Ion:202 Resp: 34658
Ion Ratio Lower Upper
202 100
101 11.0 9.6 14.4
100 8.7 7.6 11.4

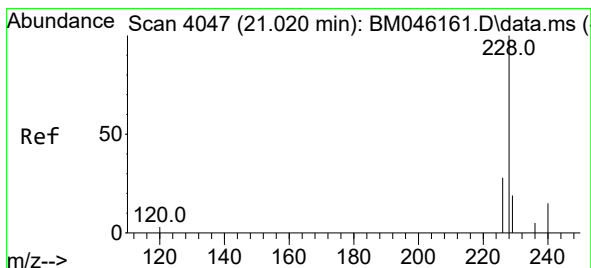
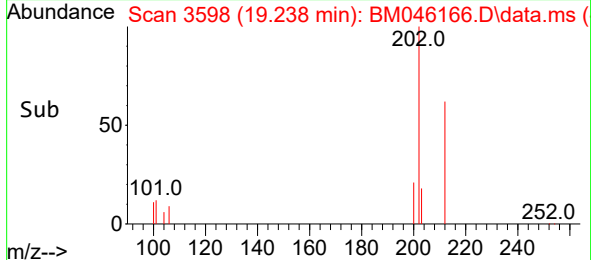
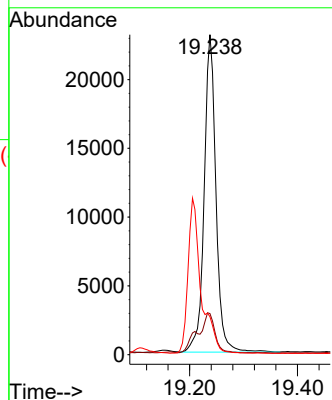
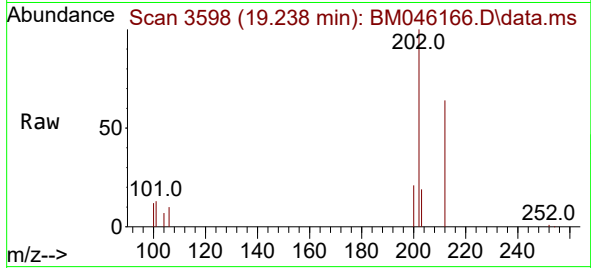




#20
Pyrene
Concen: 1.226 ng/ul
RT: 19.238 min Scan# 31
Delta R.T. -0.037 min
Lab File: BM046166.D
Acq: 21 Jun 2024 18:52

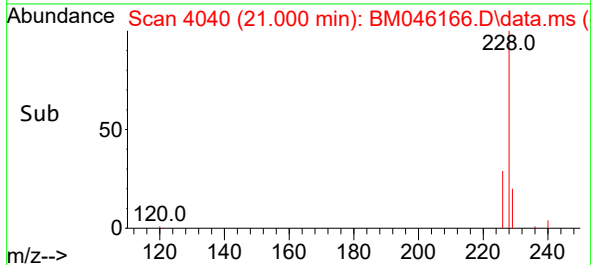
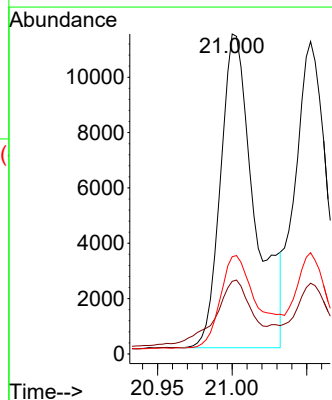
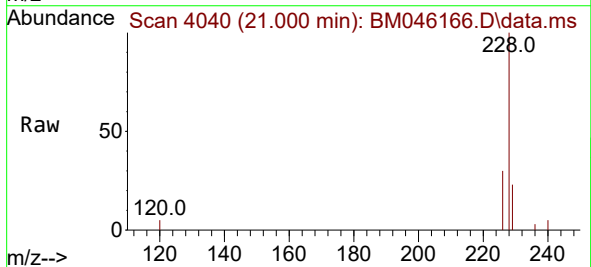
Instrument :
BNA_M
ClientSampleId :
A4BQ5

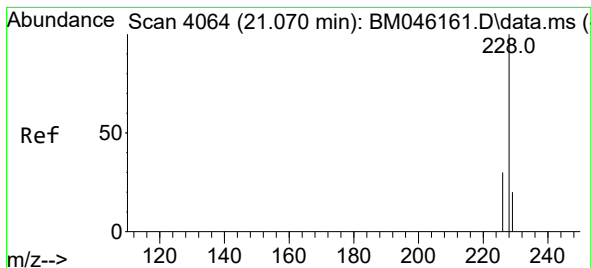
Tgt Ion:202 Resp: 34959
Ion Ratio Lower Upper
202 100
101 12.9 11.3 16.9
100 11.9 9.8 14.6



#21
Benzo(a)anthracene
Concen: 0.760 ng/ul
RT: 21.000 min Scan# 4040
Delta R.T. -0.029 min
Lab File: BM046166.D
Acq: 21 Jun 2024 18:52

Tgt Ion:228 Resp: 17882
Ion Ratio Lower Upper
228 100
229 22.7 16.4 24.6
226 30.4 23.4 35.2





#22

Chrysene

Concen: 0.559 ng/ul

RT: 21.053 min Scan# 4058

Delta R.T. -0.023 min

Lab File: BM046166.D

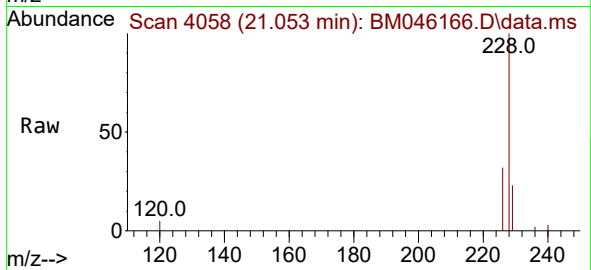
Acq: 21 Jun 2024 18:52

Instrument :

BNA_M

ClientSampleId :

A4BQ5



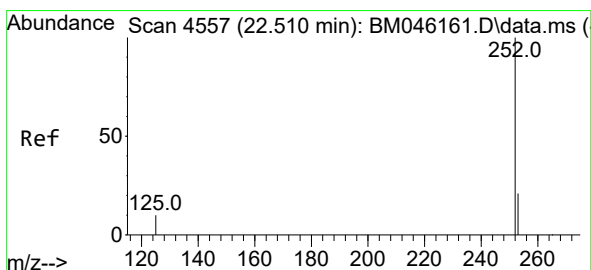
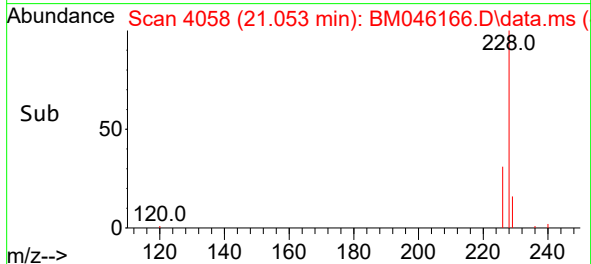
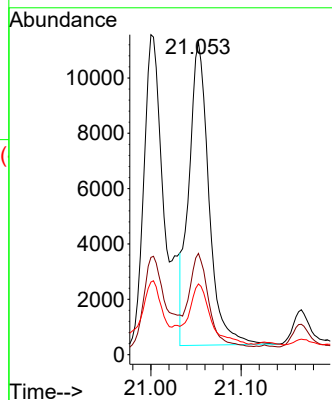
Tgt Ion:228 Resp: 16786

Ion Ratio Lower Upper

228 100

226 32.4 25.2 37.8

229 22.6 16.3 24.5



#24

Benzo(b)fluoranthene

Concen: 0.784 ng/ul

RT: 22.493 min Scan# 4551

Delta R.T. -0.026 min

Lab File: BM046166.D

Acq: 21 Jun 2024 18:52

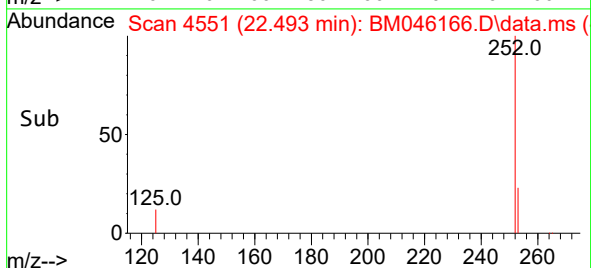
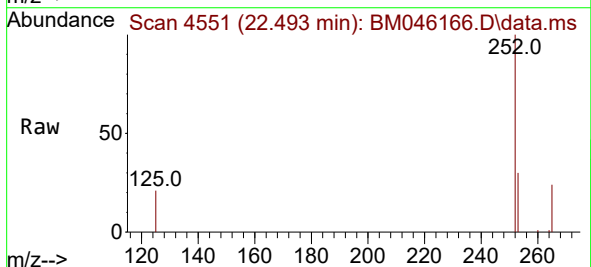
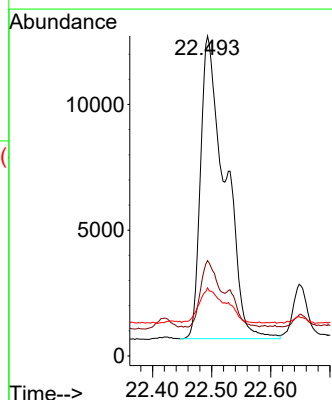
Tgt Ion:252 Resp: 34712

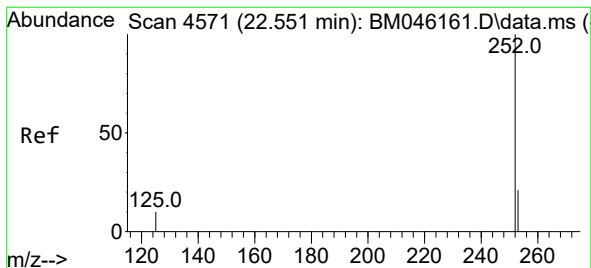
Ion Ratio Lower Upper

252 100

253 29.8 0.0 65.8

125 21.3 0.0 40.2





#25

Benzo(k)fluoranthene

Concen: 0.659 ng/ul

RT: 22.493 min Scan# 4

Delta R.T. -0.070 min

Lab File: BM046166.D

Acq: 21 Jun 2024 18:52

Instrument :

BNA_M

ClientSampleId :

A4BQ5

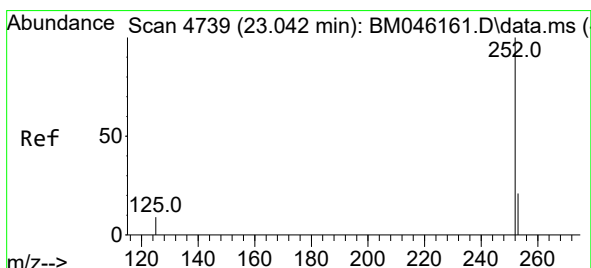
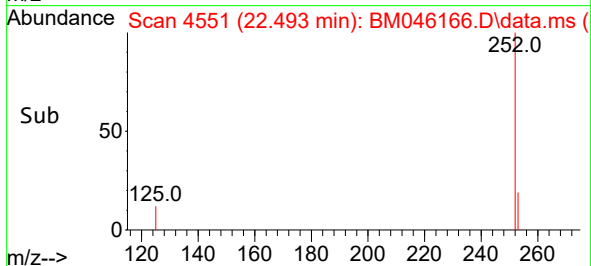
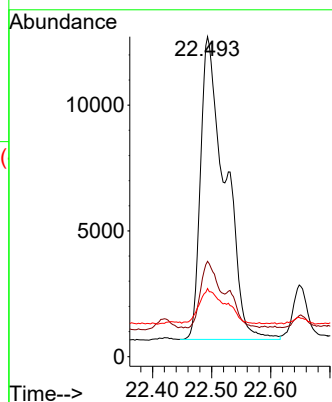
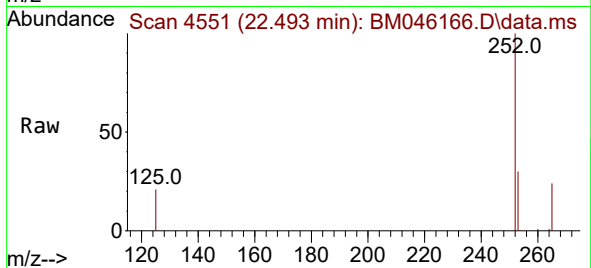
Tgt Ion:252 Resp: 34712

Ion Ratio Lower Upper

252 100

253 29.8 27.2 40.8

125 21.3 16.6 25.0



#26

Benzo(a)pyrene

Concen: 0.350 ng/ul

RT: 22.926 min Scan# 4699

Delta R.T. -0.129 min

Lab File: BM046166.D

Acq: 21 Jun 2024 18:52

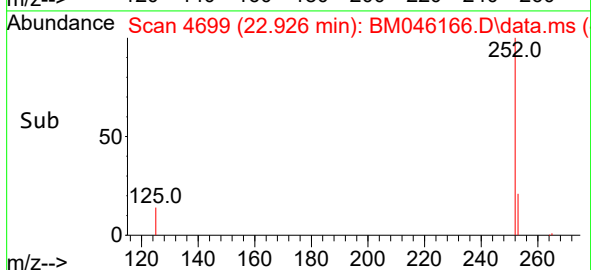
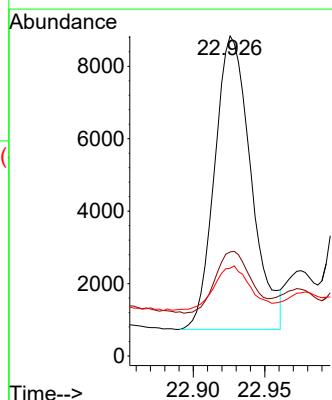
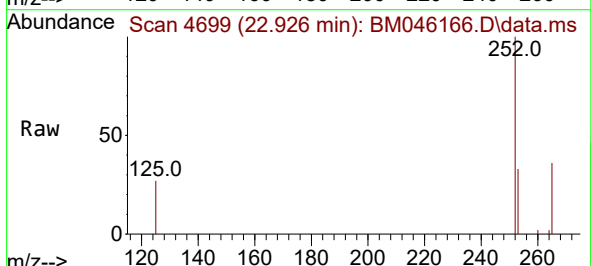
Tgt Ion:252 Resp: 14352

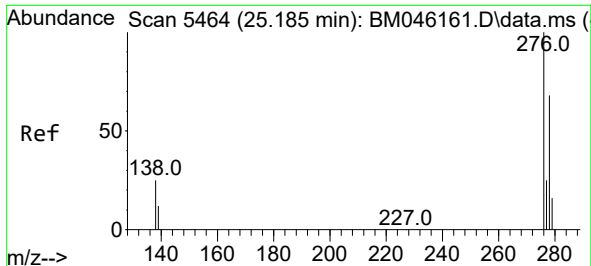
Ion Ratio Lower Upper

252 100

253 32.5 32.1 48.1

125 27.4 21.2 31.8

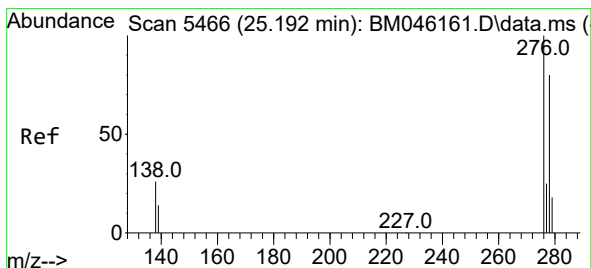
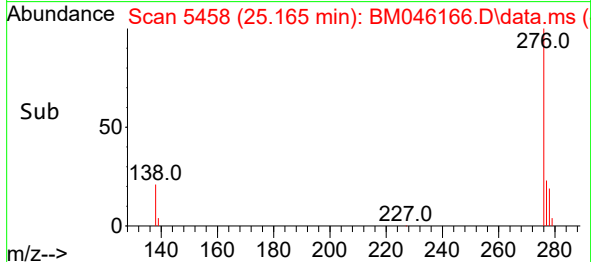
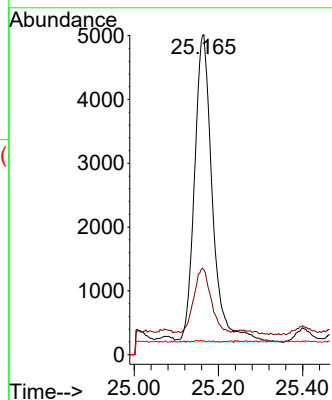
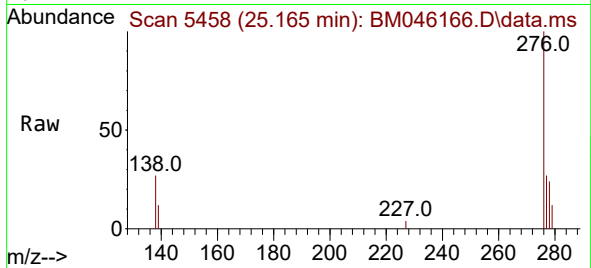




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.211 ng/ul
RT: 25.165 min Scan# 5458
Delta R.T. -0.037 min
Lab File: BM046166.D
Acq: 21 Jun 2024 18:52

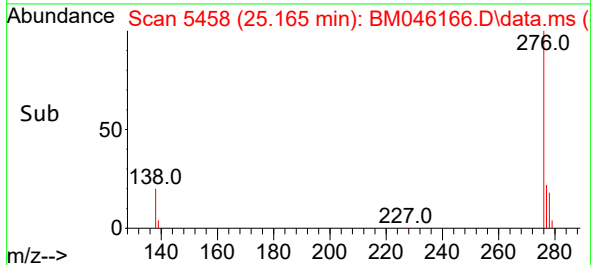
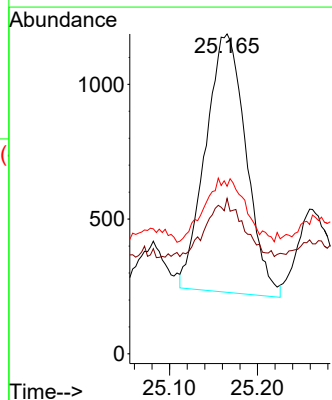
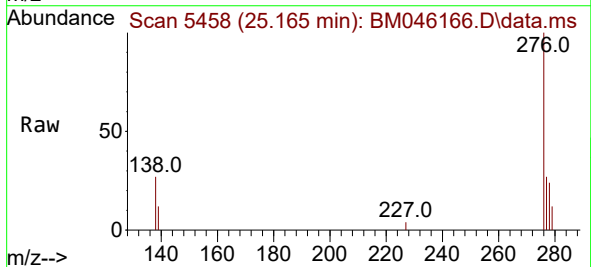
Instrument :
BNA_M
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A4BQ5

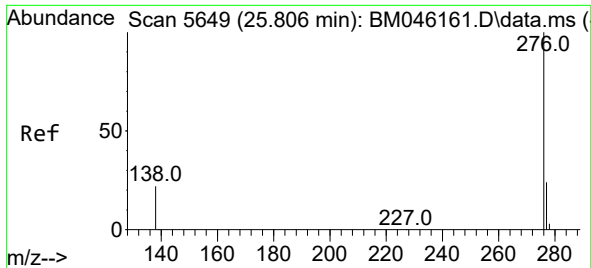
Tgt Ion:276 Resp: 14162
Ion Ratio Lower Upper
276 100
138 20.2 21.0 31.4#
227 0.1 0.0 0.0#



#28
Dibenzo(a,h)anthracene
Concen: 0.061 ng/ul
RT: 25.165 min Scan# 5458
Delta R.T. -0.050 min
Lab File: BM046166.D
Acq: 21 Jun 2024 18:52

Tgt Ion:278 Resp: 3060
Ion Ratio Lower Upper
278 100
139 48.6 17.6 26.4#
279 52.4 26.3 39.5#





#29
Benzo(g,h,i)perylene
Concen: 0.265 ng/ul
RT: 25.782 min Scan# 50
Delta R.T. -0.047 min
Lab File: BM046166.D
Acq: 21 Jun 2024 18:52

Instrument :
BNA_M
ClientSampleId :
A4BQ5

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.0	21.7	32.5
277	27.2	20.4	30.6

