

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042724\
 Data File : BM045609.D
 Acq On : 27 Apr 2024 12:54
 Operator : MA/JU
 Sample : P2203-09DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E1CW8DL

Quant Time: Apr 28 22:53:38 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM042024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 26 23:51:18 2024
 Response via : Initial Calibration

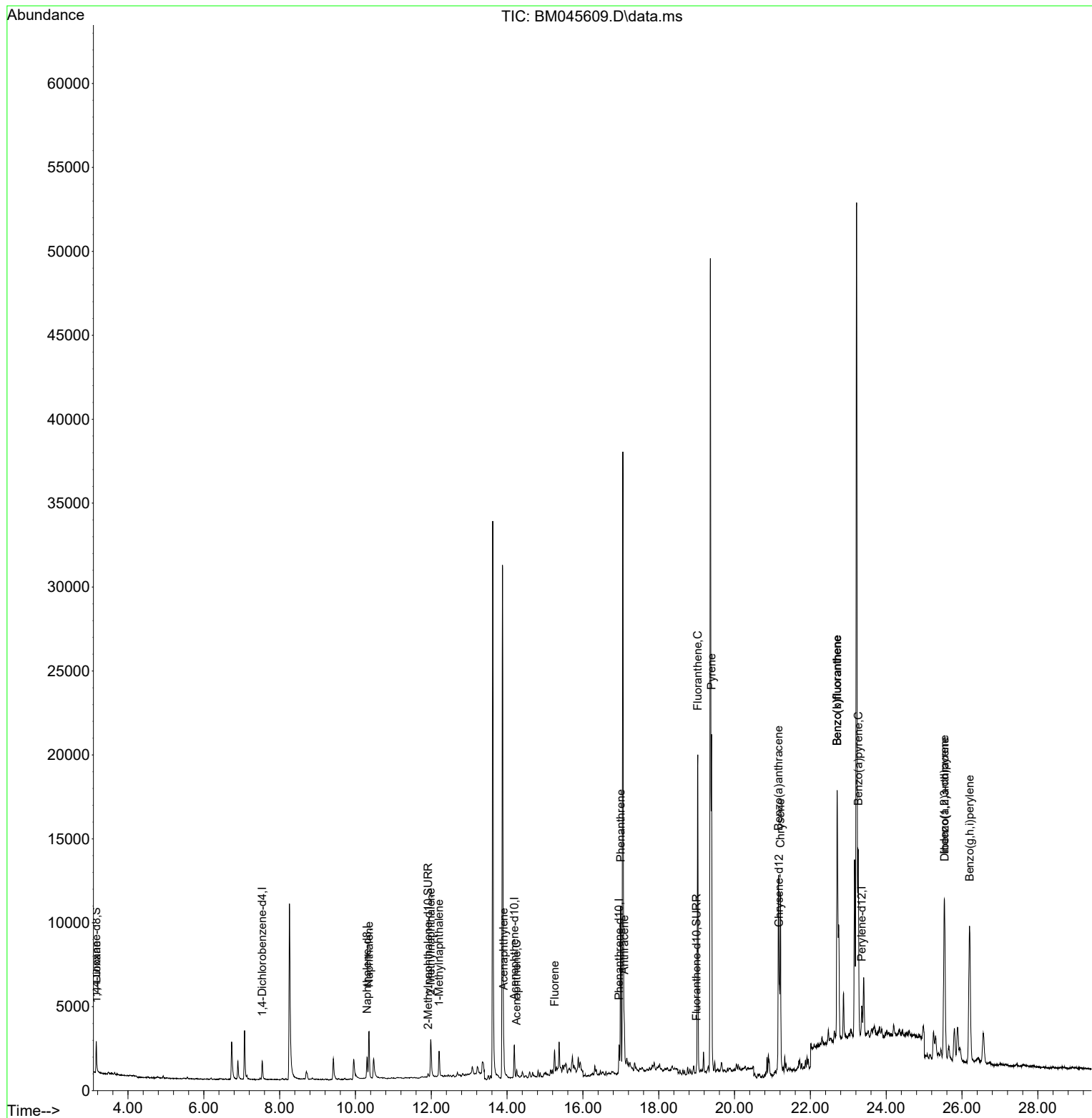
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.538	152	688	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.309	136	1844	0.400	ng/ul	#-0.02
9) Acenaphthene-d10	14.191	164	991	0.400	ng/ul	-0.02
13) Phenanthrene-d10	16.954	188	2008	0.400	ng/ul	#-0.03
17) Chrysene-d12	21.172	240	1644	0.400	ng/ul	#-0.02
23) Perylene-d12	23.355	264	2539	0.400	ng/ul	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.163	96	1344	1.457	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.914	152	281	0.116	ng/ul	-0.02
18) Fluoranthene-d10	18.996	212	560	0.108	ng/ul	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.167	88	39	0.044	ng/ul#	51
5) Naphthalene	10.358	128	4264	0.861	ng/ul#	90
7) 2-Methylnaphthalene	11.986	142	2120	0.750	ng/ul	99
8) 1-Methylnaphthalene	12.206	142	1190	0.375	ng/ul	97
10) Acenaphthylene	13.909	152	1851	0.379	ng/ul	93
11) Acenaphthene	14.251	153	340	0.094	ng/ul#	89
12) Fluorene	15.255	166	943	0.243	ng/ul#	94
15) Phenanthrene	16.997	178	11360	1.943	ng/ul	95
16) Anthracene	17.090	178	2585	0.472	ng/ul	95
19) Fluoranthene	19.029	202	17117	2.256	ng/ul#	90
20) Pyrene	19.391	202	17285	2.217	ng/ul#	94
21) Benzo(a)anthracene	21.158	228	9856	1.876	ng/ul	98
22) Chrysene	21.210	228	11805	1.461	ng/ul	98
24) Benzo(b)fluoranthene	22.706	252	23006	2.694	ng/ul	90
25) Benzo(k)fluoranthene	22.706	252	30761	2.851	ng/ul#	90
26) Benzo(a)pyrene	23.262	252	14705	1.660	ng/ul#	85
27) Indeno(1,2,3-cd)pyrene	25.534	276	15594	1.211	ng/ul#	92
28) Dibenzo(a,h)anthracene	25.541	278	4264	0.418	ng/ul#	72
29) Benzo(g,h,i)perylene	26.198	276	17122	1.480	ng/ul	98

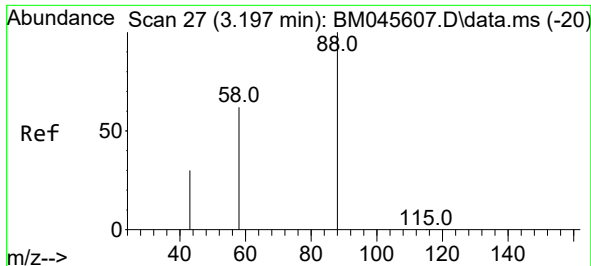
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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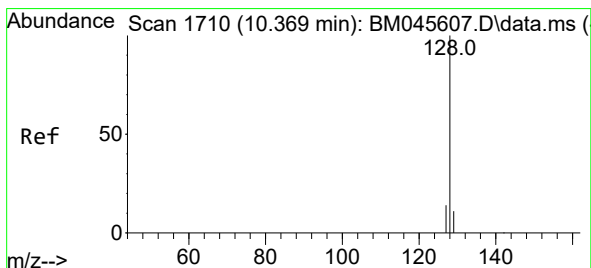
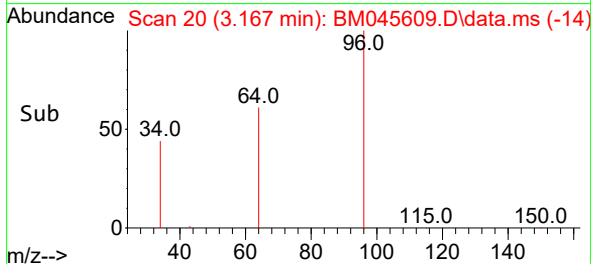
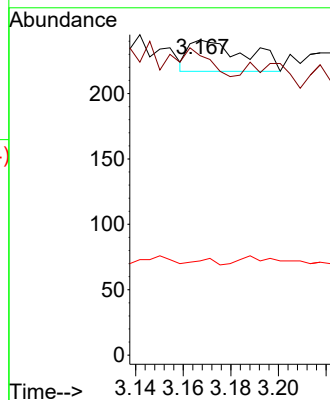
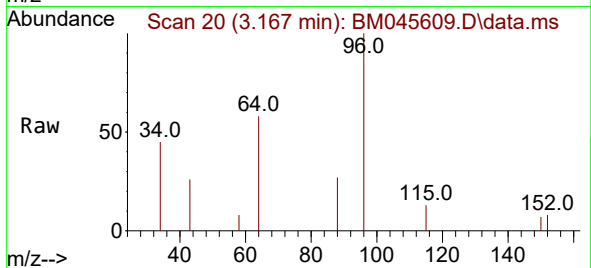




#2
1,4-Dioxane
Concen: 0.044 ng/ul
RT: 3.167 min Scan# 20
Delta R.T. -0.034 min
Lab File: BM045609.D
Acq: 27 Apr 2024 12:54

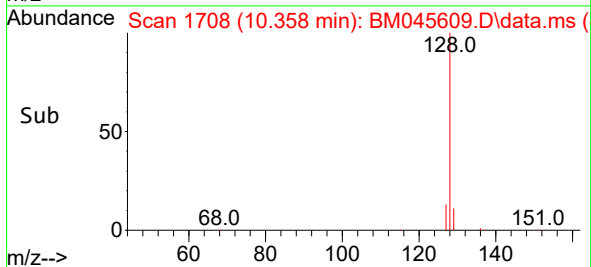
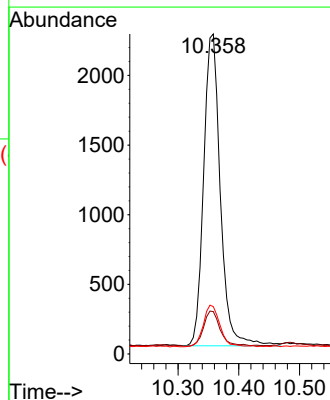
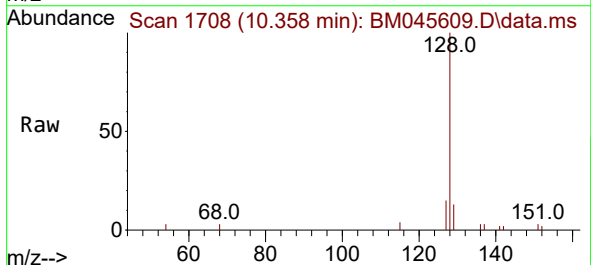
Instrument :
BNA_M
ClientSampleId :
E1CW8DL

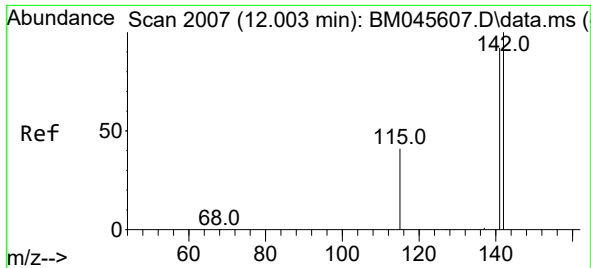
Tgt Ion: 88 Resp: 39
Ion Ratio Lower Upper
88 100
43 95.0 36.8 55.2#
58 29.9 35.4 53.2#



#5
Naphthalene
Concen: 0.861 ng/ul
RT: 10.358 min Scan# 1708
Delta R.T. -0.022 min
Lab File: BM045609.D
Acq: 27 Apr 2024 12:54

Tgt Ion: 128 Resp: 4264
Ion Ratio Lower Upper
128 100
129 13.3 14.0 21.0#
127 14.8 15.4 23.2#

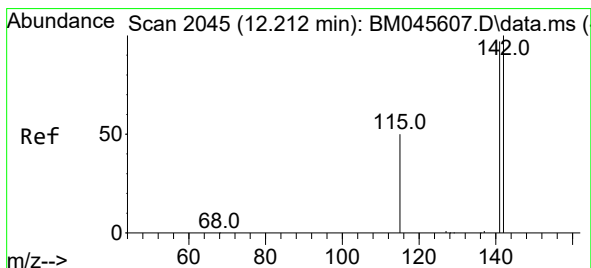
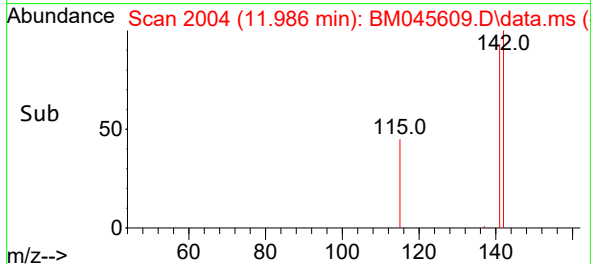
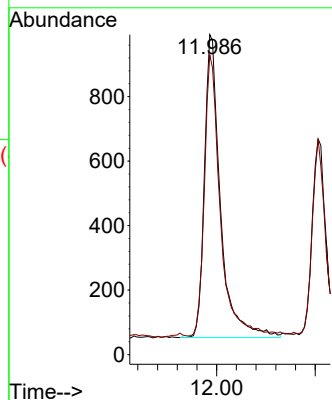
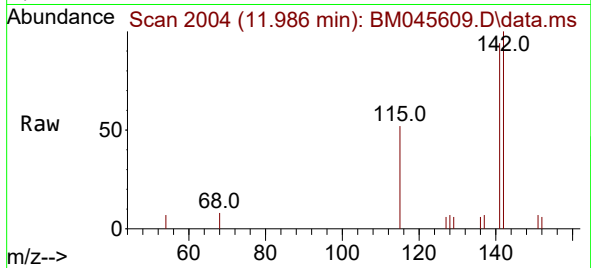




#7
2-Methylnaphthalene
Concen: 0.750 ng/ul
RT: 11.986 min Scan# 2004
Delta R.T. -0.022 min
Lab File: BM045609.D
Acq: 27 Apr 2024 12:54

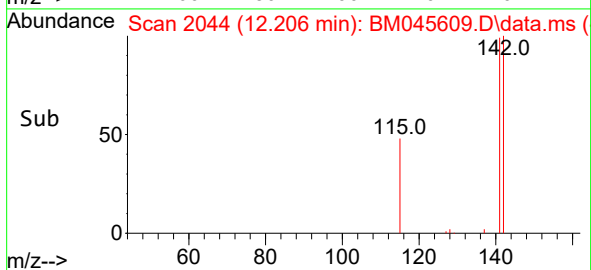
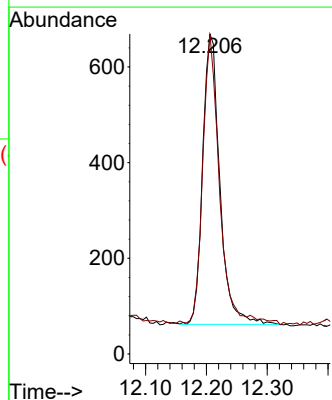
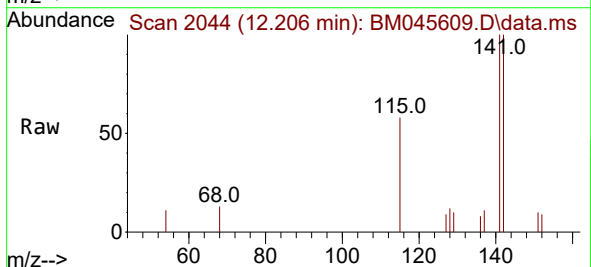
Instrument :
BNA_M
ClientSampleId :
E1CW8DL

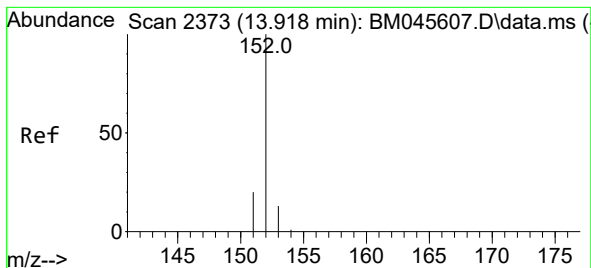
Tgt Ion:142 Resp: 2120
Ion Ratio Lower Upper
142 100
141 92.3 74.6 111.8



#8
1-Methylnaphthalene
Concen: 0.375 ng/ul
RT: 12.206 min Scan# 2044
Delta R.T. -0.016 min
Lab File: BM045609.D
Acq: 27 Apr 2024 12:54

Tgt Ion:142 Resp: 1190
Ion Ratio Lower Upper
142 100
141 98.2 76.1 114.1





#10

Acenaphthylene

Concen: 0.379 ng/ul

RT: 13.909 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM045609.D

Acq: 27 Apr 2024 12:54

Instrument :

BNA_M

ClientSampleId :

E1CW8DL

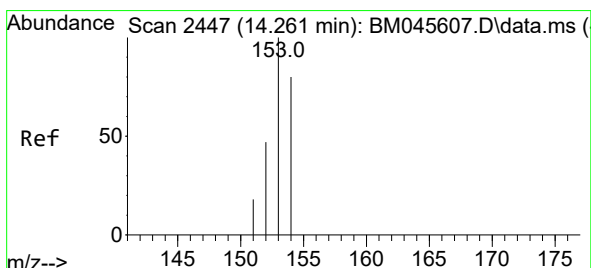
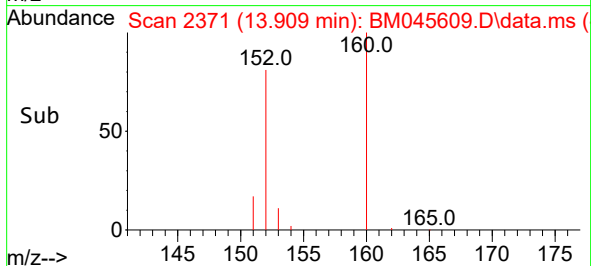
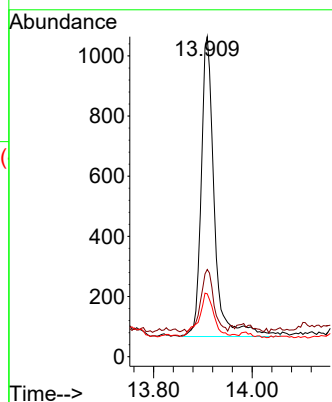
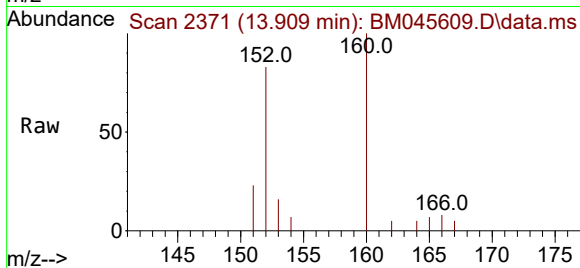
Tgt Ion:152 Resp: 1851

Ion Ratio Lower Upper

152 100

151 27.3 18.6 28.0

153 19.6 14.1 21.1



#11

Acenaphthene

Concen: 0.094 ng/ul

RT: 14.251 min Scan# 2445

Delta R.T. -0.018 min

Lab File: BM045609.D

Acq: 27 Apr 2024 12:54

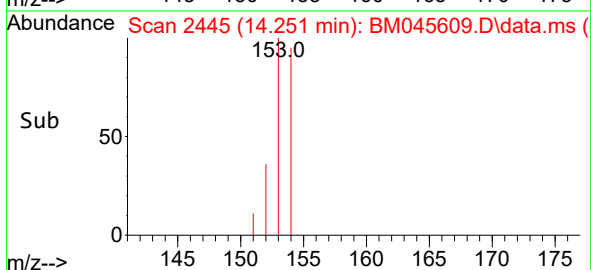
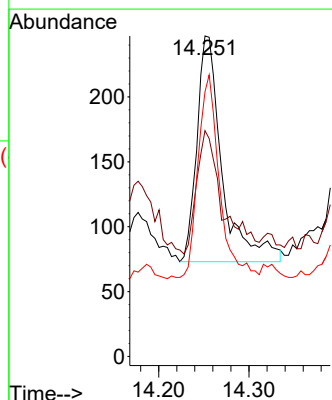
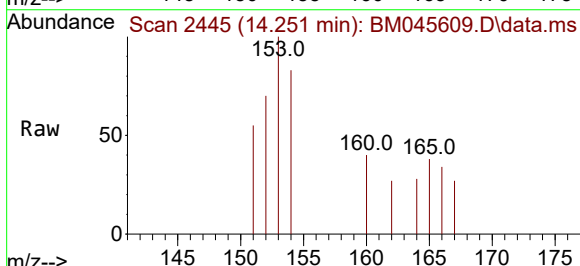
Tgt Ion:153 Resp: 340

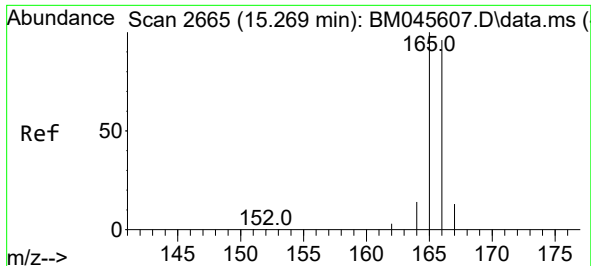
Ion Ratio Lower Upper

153 100

152 70.4 43.4 65.2#

154 82.6 69.0 103.6

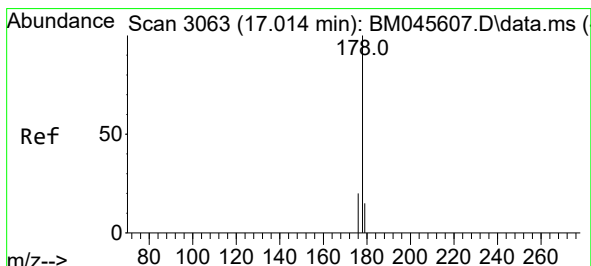
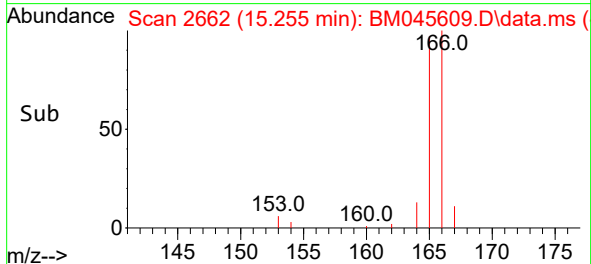
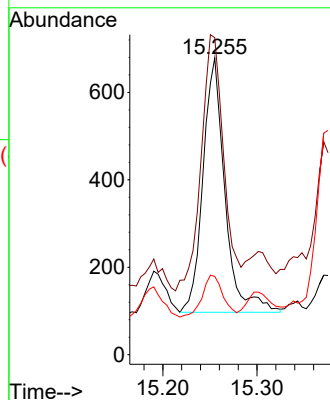
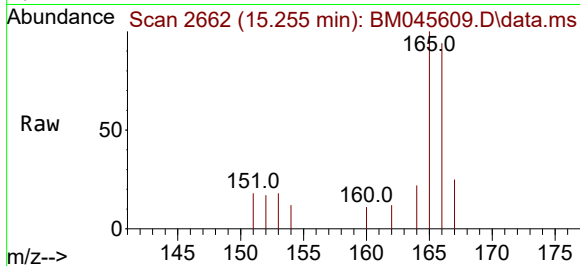




#12
Fluorene
Concen: 0.243 ng/ul
RT: 15.255 min Scan# 2
Delta R.T. -0.023 min
Lab File: BM045609.D
Acq: 27 Apr 2024 12:54

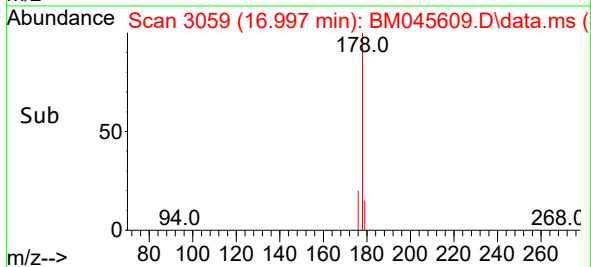
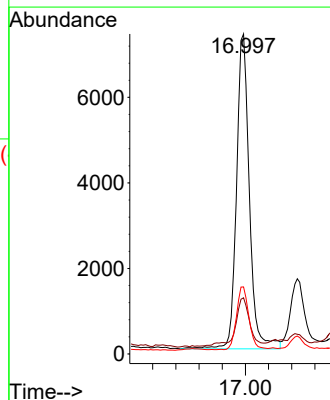
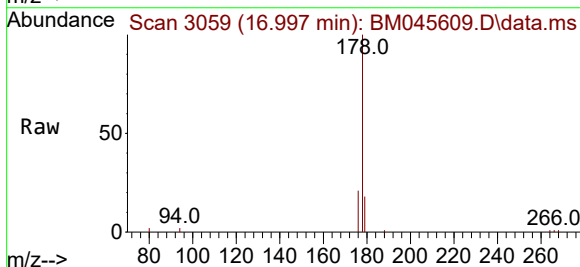
Instrument :
BNA_M
ClientSampleId :
E1CW8DL

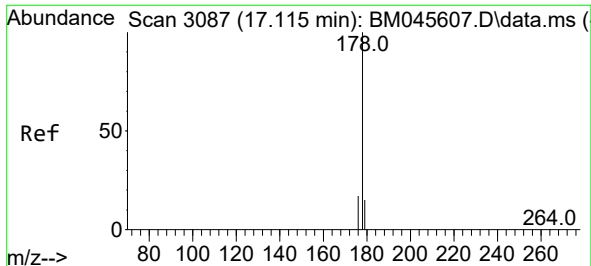
Tgt Ion:166 Resp: 943
Ion Ratio Lower Upper
166 100
165 106.8 82.2 123.2
167 26.4 14.8 22.2#



#15
Phenanthrene
Concen: 1.943 ng/ul
RT: 16.997 min Scan# 3059
Delta R.T. -0.025 min
Lab File: BM045609.D
Acq: 27 Apr 2024 12:54

Tgt Ion:178 Resp: 11360
Ion Ratio Lower Upper
178 100
179 17.5 15.4 23.2
176 21.0 19.0 28.4

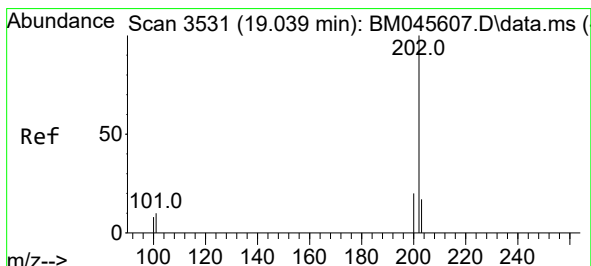
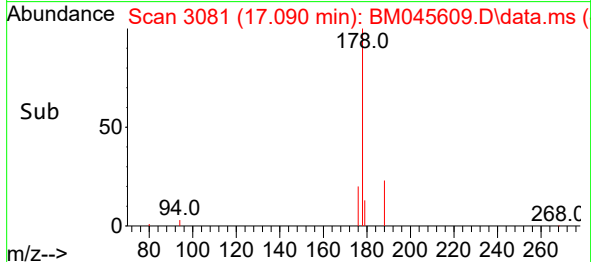
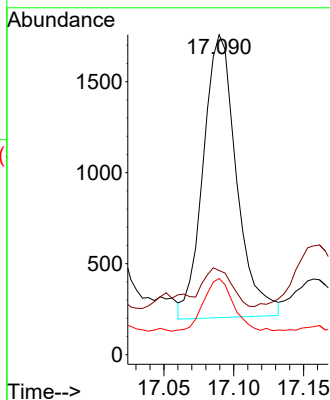
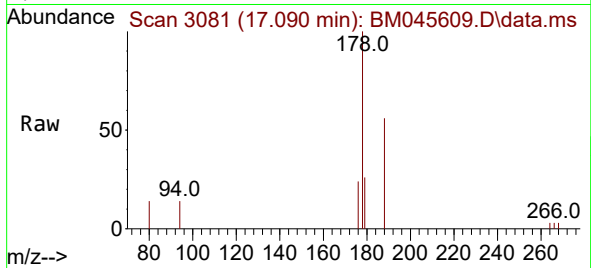




#16
 Anthracene
 Concen: 0.472 ng/ul
 RT: 17.090 min Scan# 3087
 Delta R.T. -0.029 min
 Lab File: BM045609.D
 Acq: 27 Apr 2024 12:54

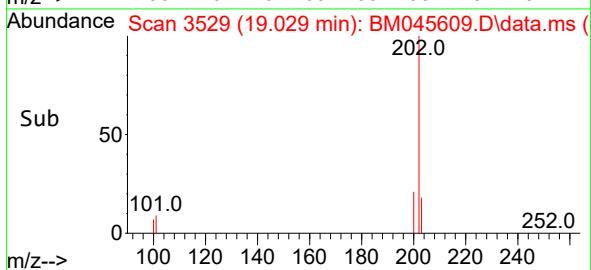
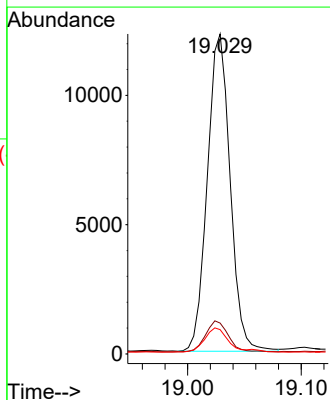
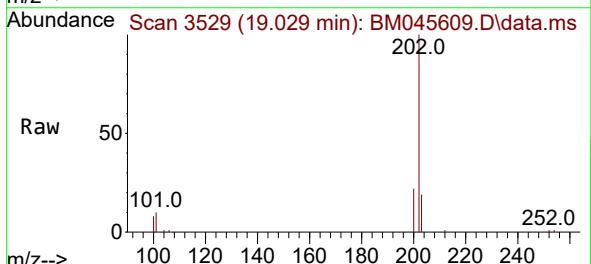
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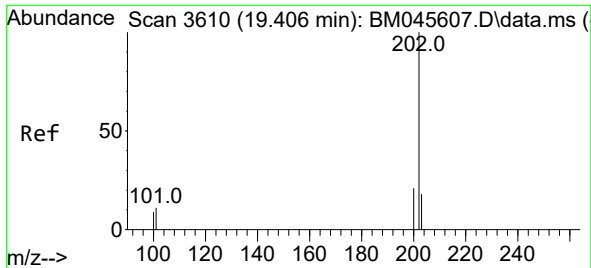
Tgt Ion:178 Resp: 2585
 Ion Ratio Lower Upper
 178 100
 179 26.3 17.8 26.6
 176 23.8 18.7 28.1



#19
 Fluoranthene
 Concen: 2.256 ng/ul
 RT: 19.029 min Scan# 3529
 Delta R.T. -0.019 min
 Lab File: BM045609.D
 Acq: 27 Apr 2024 12:54

Tgt Ion:202 Resp: 17117
 Ion Ratio Lower Upper
 202 100
 101 9.6 11.2 16.8#
 100 7.6 9.1 13.7#

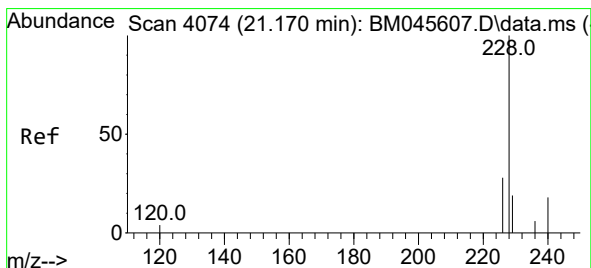
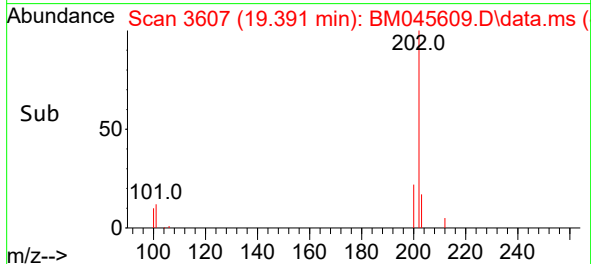
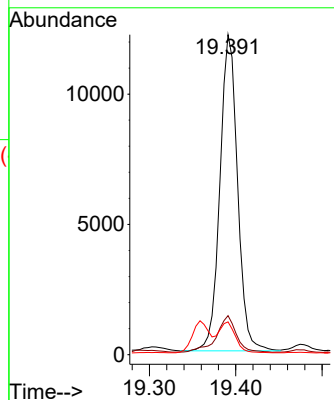
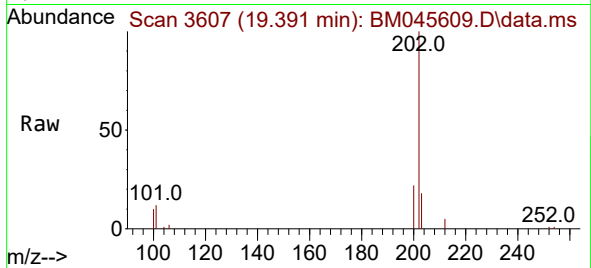




#20
Pyrene
Concen: 2.217 ng/ul
RT: 19.391 min Scan# 3607
Delta R.T. -0.023 min
Lab File: BM045609.D
Acq: 27 Apr 2024 12:54

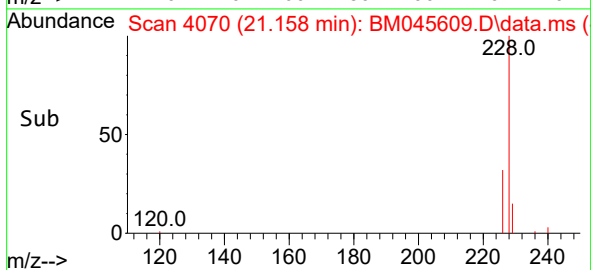
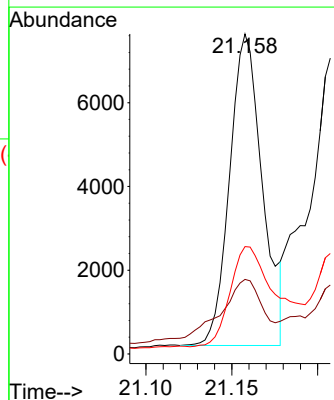
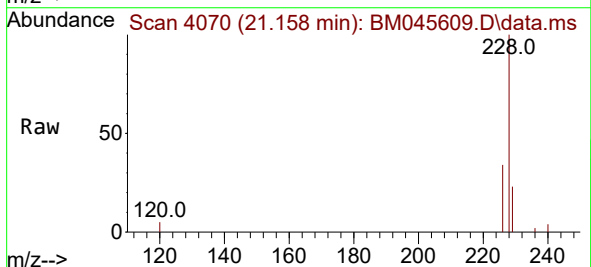
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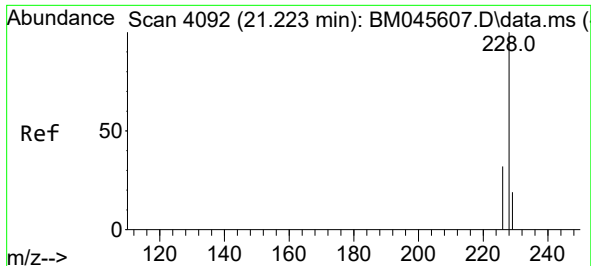
Tgt Ion:202 Resp: 17285
Ion Ratio Lower Upper
202 100
101 12.2 11.5 17.3
100 10.3 10.6 15.8#



#21
Benzo(a)anthracene
Concen: 1.876 ng/ul
RT: 21.158 min Scan# 4070
Delta R.T. -0.024 min
Lab File: BM045609.D
Acq: 27 Apr 2024 12:54

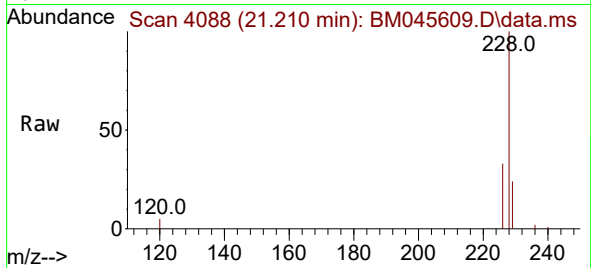
Tgt Ion:228 Resp: 9856
Ion Ratio Lower Upper
228 100
229 23.3 19.4 29.2
226 33.6 26.3 39.5



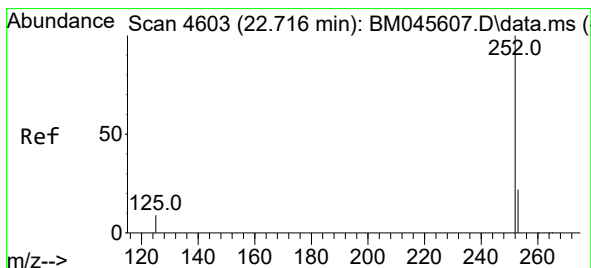
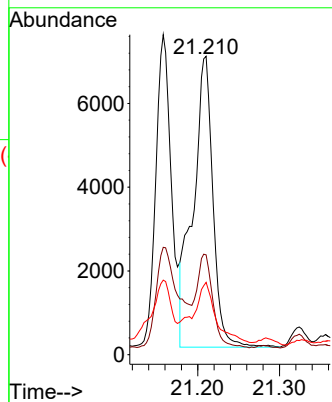
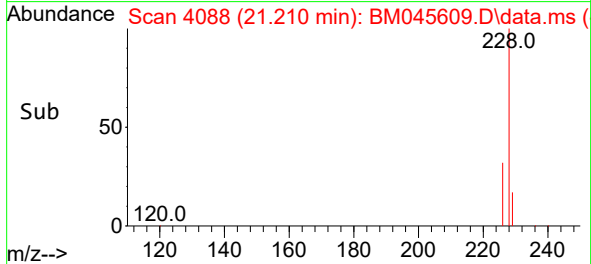


#22
Chrysene
Concen: 1.461 ng/ul
RT: 21.210 min Scan# 4088
Delta R.T. -0.018 min
Lab File: BM045609.D
Acq: 27 Apr 2024 12:54

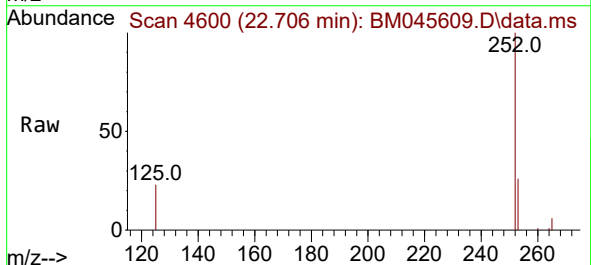
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BNA_M
ClientSampleId :
E1CW8DL



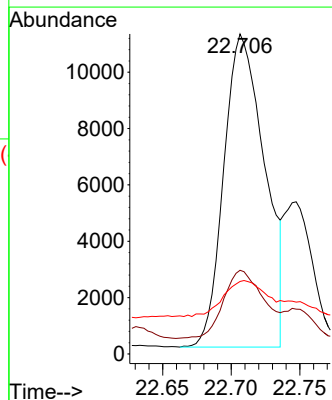
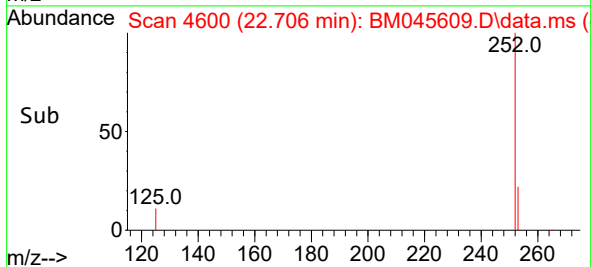
Tgt Ion:228 Resp: 11805
Ion Ratio Lower Upper
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226 33.5 26.3 39.5
229 24.3 17.8 26.8

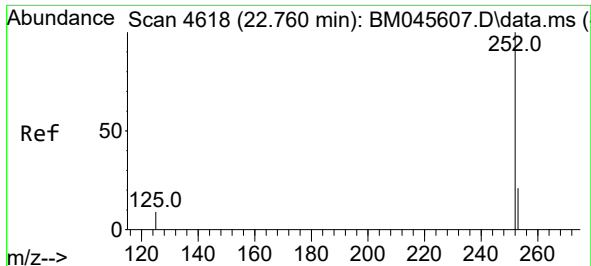


#24
Benzo(b)fluoranthene
Concen: 2.694 ng/ul
RT: 22.706 min Scan# 4600
Delta R.T. -0.024 min
Lab File: BM045609.D
Acq: 27 Apr 2024 12:54



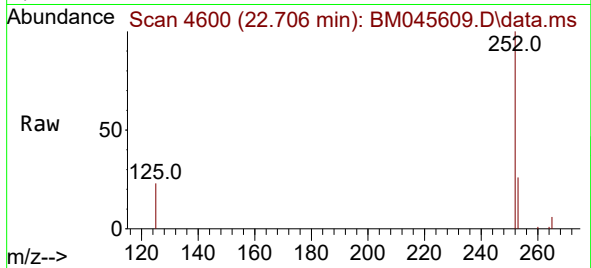
Tgt Ion:252 Resp: 23006
Ion Ratio Lower Upper
252 100
253 26.1 0.0 63.4
125 22.6 0.0 36.8



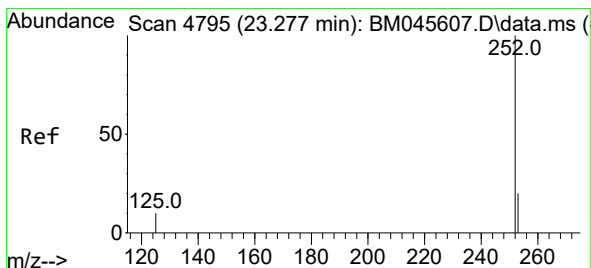
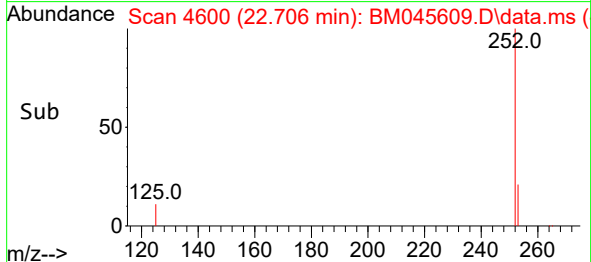
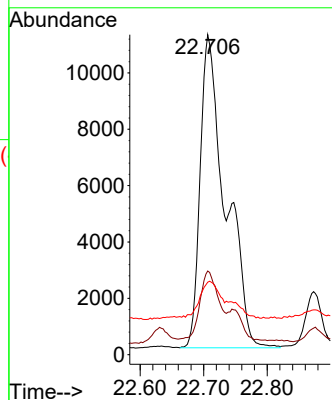


#25
Benzo(k)fluoranthene
Concen: 2.851 ng/ul
RT: 22.706 min Scan# 4600
Delta R.T. -0.065 min
Lab File: BM045609.D
Acq: 27 Apr 2024 12:54

Instrument :
BNA_M
ClientSampleId :
E1CW8DL

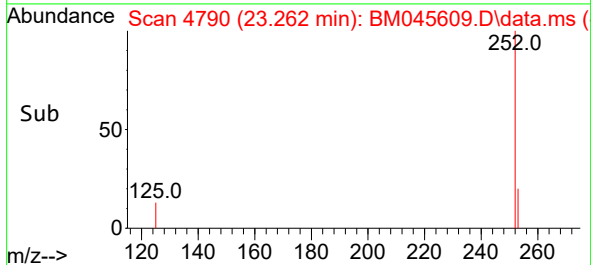
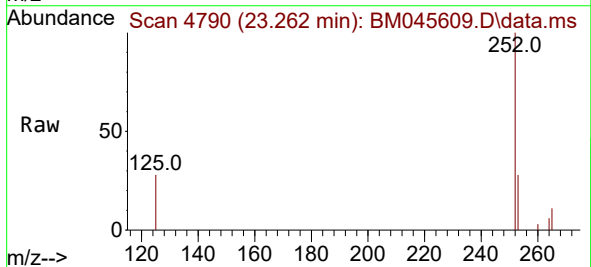
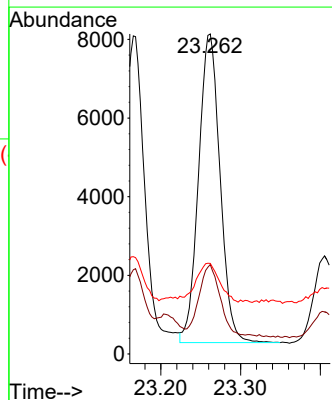


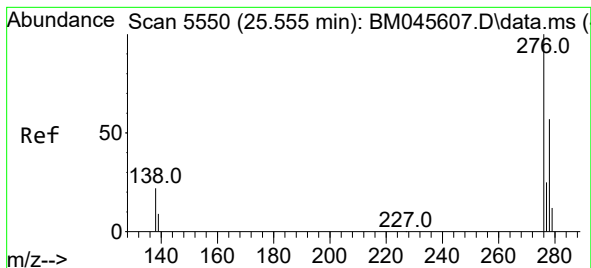
Tgt Ion:252 Resp: 30761
Ion Ratio Lower Upper
252 100
253 26.1 25.4 38.0
125 22.6 14.8 22.2#



#26
Benzo(a)pyrene
Concen: 1.660 ng/ul
RT: 23.262 min Scan# 4790
Delta R.T. -0.029 min
Lab File: BM045609.D
Acq: 27 Apr 2024 12:54

Tgt Ion:252 Resp: 14705
Ion Ratio Lower Upper
252 100
253 28.0 31.6 47.4#
125 28.3 19.5 29.3





#27

Indeno(1,2,3-cd)pyrene

Concen: 1.211 ng/ul

RT: 25.534 min Scan# 5

Delta R.T. -0.037 min

Lab File: BM045609.D

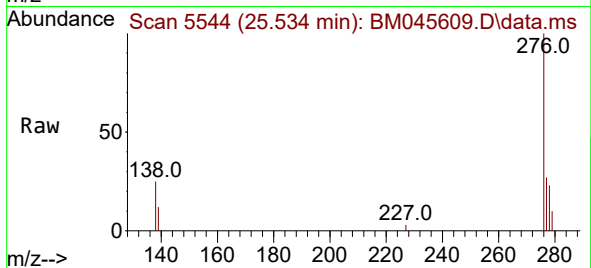
Acq: 27 Apr 2024 12:54

Instrument :

BNA_M

ClientSampleId :

E1CW8DL



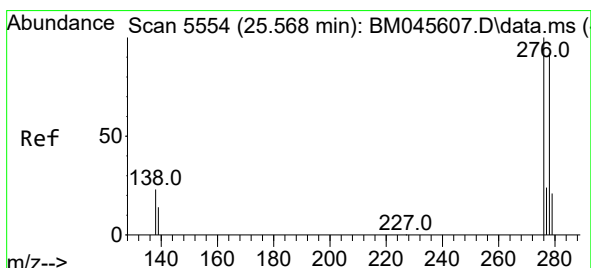
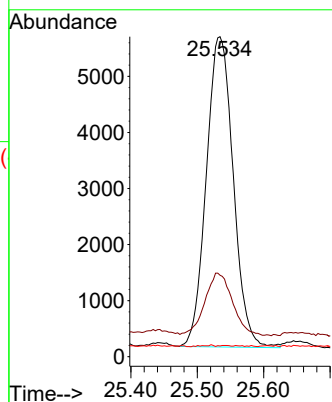
Tgt Ion:276 Resp: 15594

Ion Ratio Lower Upper

276 100

138 20.8 19.8 29.6

227 0.1 0.2 0.2#



#28

Dibenzo(a,h)anthracene

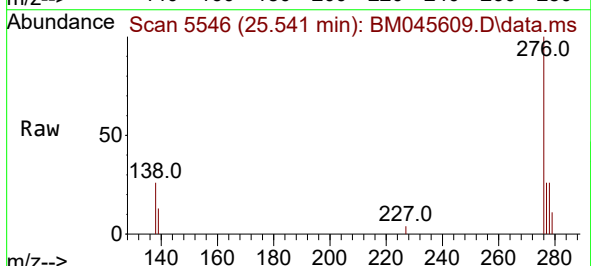
Concen: 0.418 ng/ul

RT: 25.541 min Scan# 5546

Delta R.T. -0.047 min

Lab File: BM045609.D

Acq: 27 Apr 2024 12:54



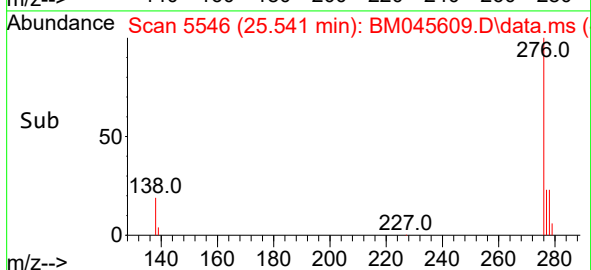
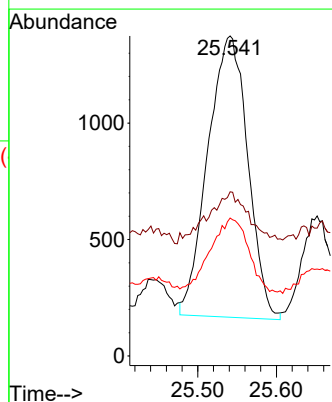
Tgt Ion:278 Resp: 4264

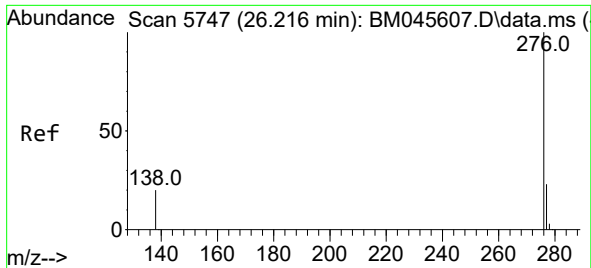
Ion Ratio Lower Upper

278 100

139 51.3 19.0 28.6#

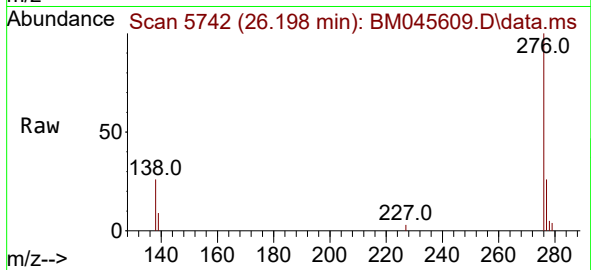
279 43.1 29.4 44.2





#29
 Benzo(g,h,i)perylene
 Concen: 1.480 ng/ul
 RT: 26.198 min Scan# 51
 Delta R.T. -0.037 min
 Lab File: BM045609.D
 Acq: 27 Apr 2024 12:54

Instrument :
 BNA_M
 ClientSampleId :
 E1CW8DL



Tgt Ion:	276	Resp:	17122
Ion Ratio	Lower	Upper	
276	100		
138	25.6	20.8	31.2
277	25.5	21.8	32.8

