

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112723\
 Data File : BM043062.D
 Acq On : 27 Nov 2023 23:03
 Operator : MA/JU
 Sample : 05416-16
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AH2

Quant Time: Nov 28 00:24:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 27 02:36:19 2023
 Response via : Initial Calibration

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

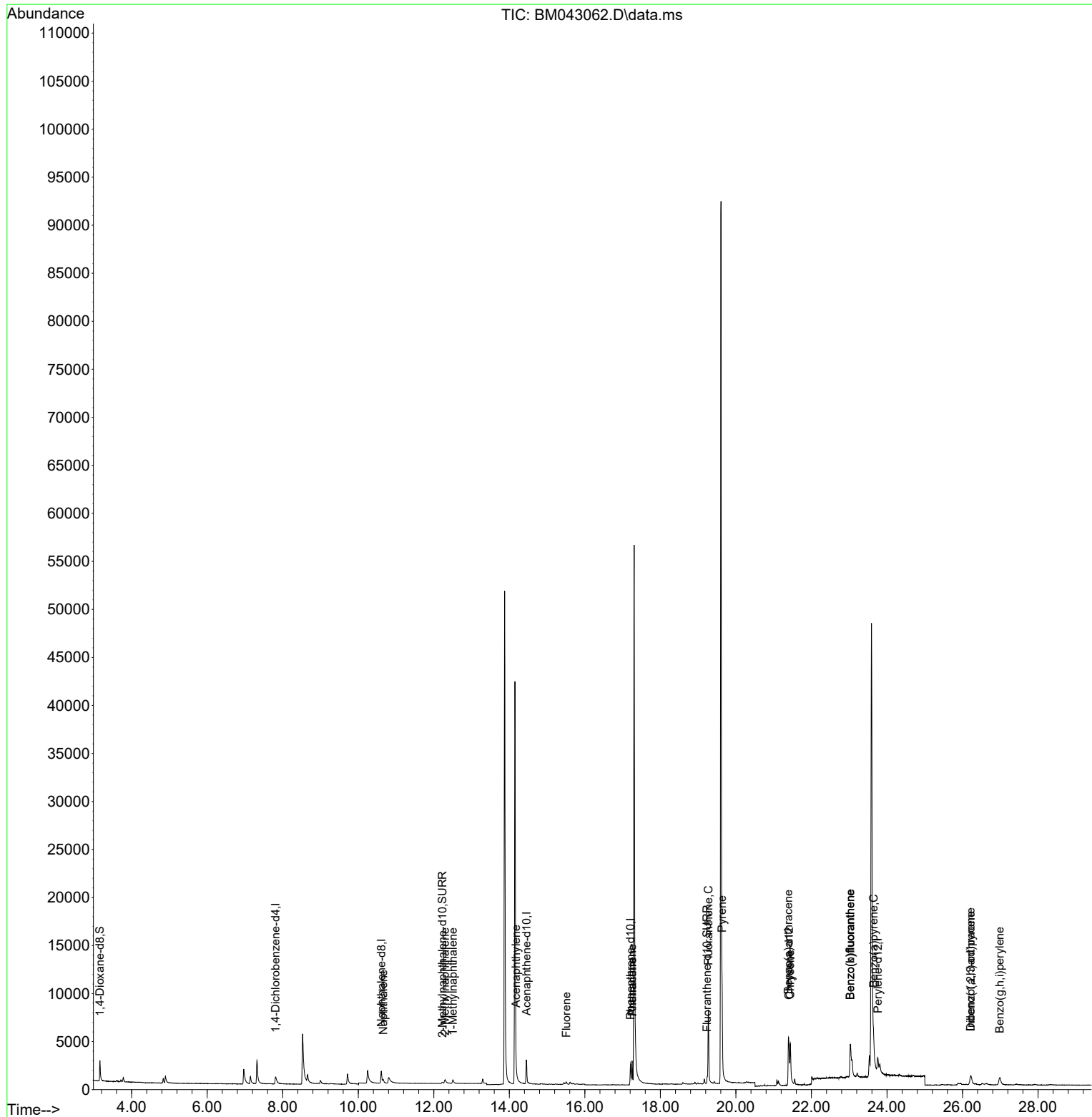
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.809	152	709	0.400	ng/ul	-0.07
4) Naphthalene-d8	10.611	136	2336	0.400	ng/ul	#-0.04
9) Acenaphthene-d10	14.455	164	1388	0.400	ng/ul	-0.01
13) Phenanthrene-d10	17.208	188	3164	0.400	ng/ul	-0.03
17) Chrysene-d12	21.403	240	2364	0.400	ng/ul	#-0.02
23) Perylene-d12	23.756	264	3933	0.400	ng/ul	#-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.160	96	1565	1.439	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.228	152	318	0.102	ng/ul	-0.02
18) Fluoranthene-d10	19.238	212	933	0.108	ng/ul	-0.02
Target Compounds						
					Qvalue	
5) Naphthalene	10.660	128	608	0.096	ng/ul#	84
7) 2-Methylnaphthalene	12.299	142	542	0.145	ng/ul	100
8) 1-Methylnaphthalene	12.508	142	372	0.089	ng/ul	95
10) Acenaphthylene	14.177	152	497	0.070	ng/ul#	80
12) Fluorene	15.509	166	217	0.039	ng/ul#	89
15) Phenanthrene	17.250	178	2819	0.312	ng/ul	98
16) Anthracene	17.250	178	2783	0.325	ng/ul	94
19) Fluoranthene	19.270	202	7842	0.585	ng/ul#	94
20) Pyrene	19.633	202	8552	0.600	ng/ul#	95
21) Benzo(a)anthracene	21.389	228	5685	0.741	ng/ul	96
22) Chrysene	21.441	228	5247	0.367	ng/ul	100
24) Benzo(b)fluoranthene	23.031	252	6488	0.489	ng/ul	91
25) Benzo(k)fluoranthene	23.031	252	9513	0.520	ng/ul	92
26) Benzo(a)pyrene	23.645	252	3913	0.270	ng/ul#	84
27) Indeno(1,2,3-cd)pyrene	26.219	276	2482	0.127	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.219	278	570	0.038	ng/ul#	56
29) Benzo(g,h,i)perylene	26.983	276	2327	0.122	ng/ul	98

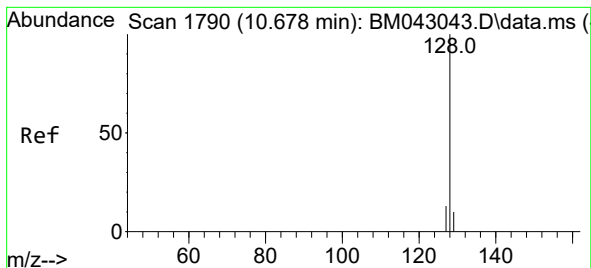
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.096 ng/ul

RT: 10.660 min Scan# 1787

Delta R.T. -0.038 min

Lab File: BM043062.D

Acq: 27 Nov 2023 23:03

Instrument :

BNA_M

ClientSampleId :

C0AH2

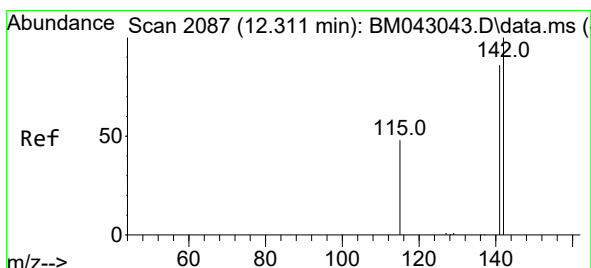
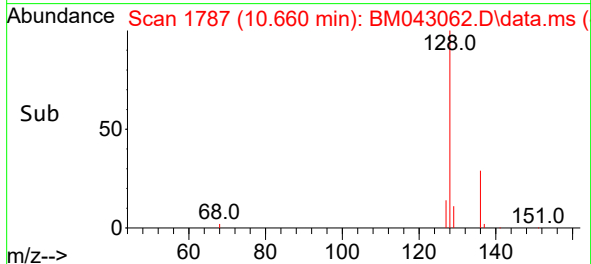
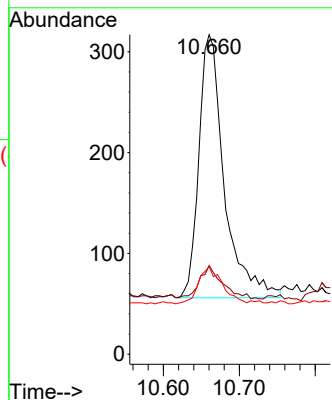
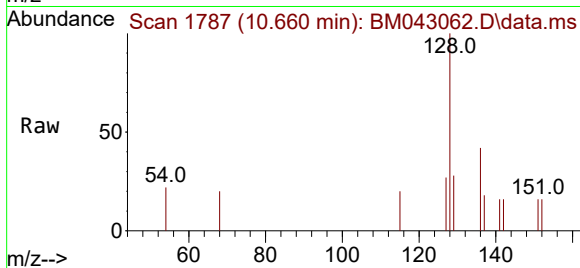
Tgt Ion:128 Resp: 608

Ion Ratio Lower Upper

128 100

129 27.8 16.0 24.0#

127 27.4 16.5 24.7#



#7

2-Methylnaphthalene

Concen: 0.145 ng/ul

RT: 12.299 min Scan# 2085

Delta R.T. -0.033 min

Lab File: BM043062.D

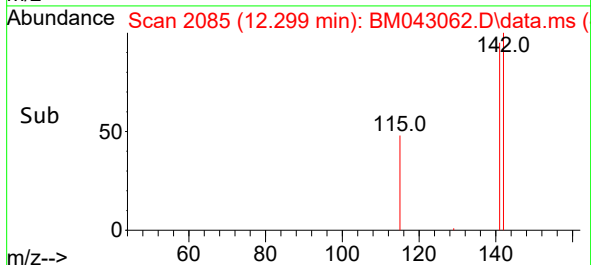
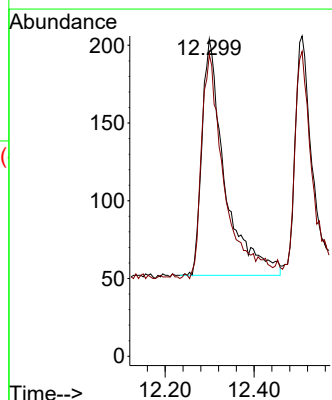
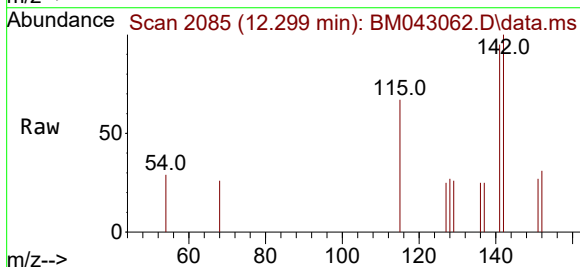
Acq: 27 Nov 2023 23:03

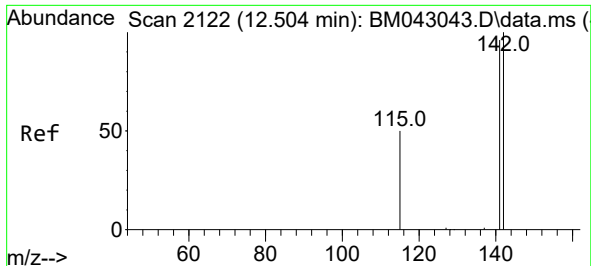
Tgt Ion:142 Resp: 542

Ion Ratio Lower Upper

142 100

141 95.0 76.1 114.1

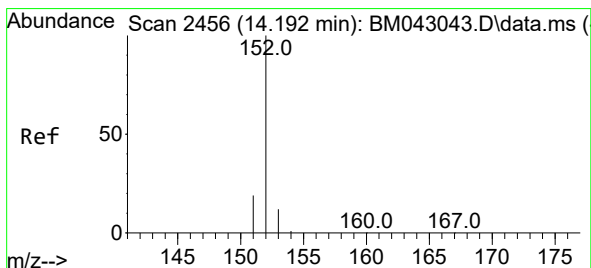
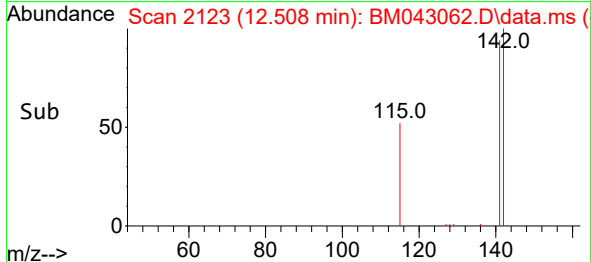
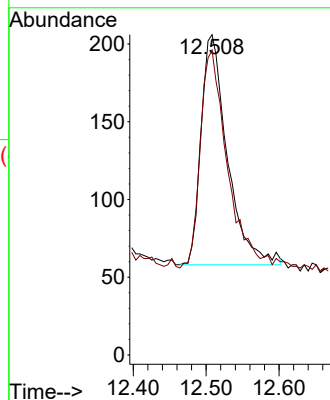
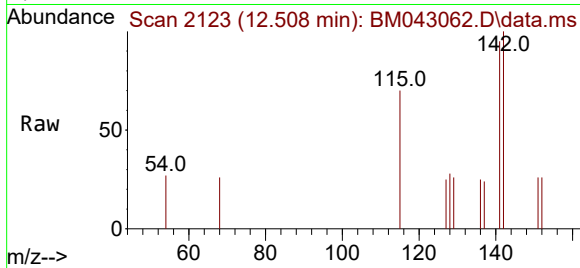




#8
1-Methylnaphthalene
Concen: 0.089 ng/ul
RT: 12.508 min Scan# 2123
Delta R.T. -0.011 min
Lab File: BM043062.D
Acq: 27 Nov 2023 23:03

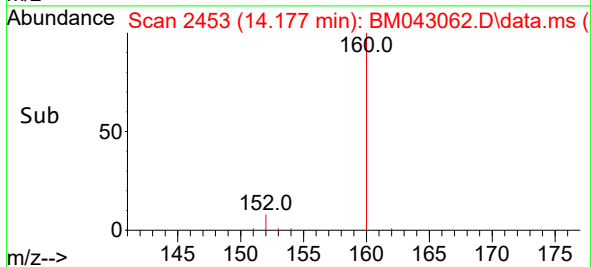
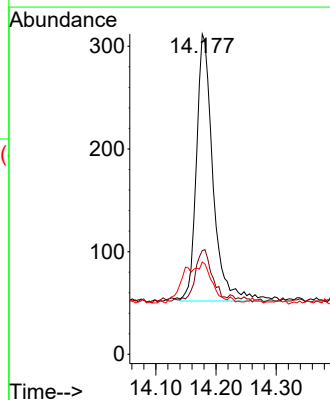
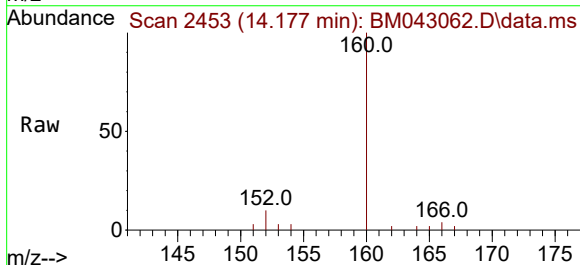
Instrument :
BNA_M
ClientSampleId :
C0AH2

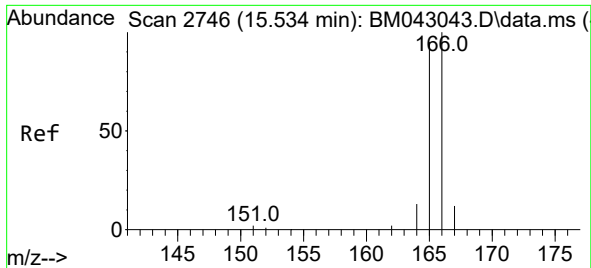
Tgt Ion:142 Resp: 372
Ion Ratio Lower Upper
142 100
141 97.3 73.8 110.8



#10
Acenaphthylene
Concen: 0.070 ng/ul
RT: 14.177 min Scan# 2453
Delta R.T. -0.028 min
Lab File: BM043062.D
Acq: 27 Nov 2023 23:03

Tgt Ion:152 Resp: 497
Ion Ratio Lower Upper
152 100
151 32.4 19.4 29.0#
153 28.8 14.6 21.8#

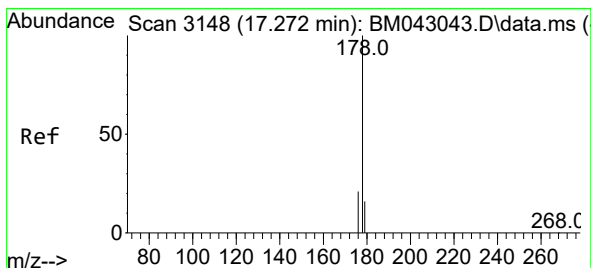
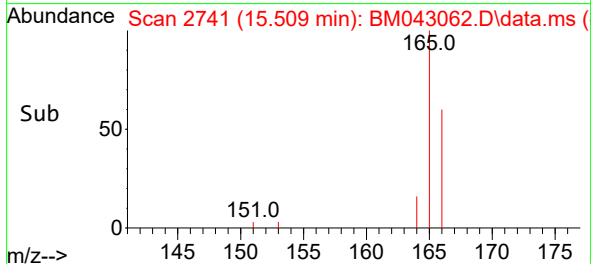
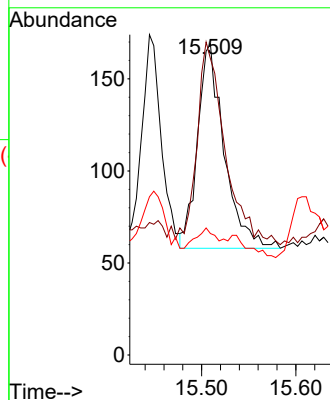
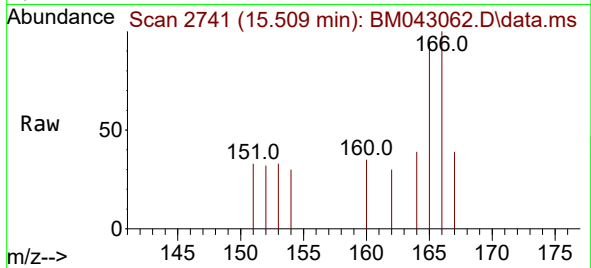




#12
Fluorene
Concen: 0.039 ng/ul
RT: 15.509 min Scan# 21
Delta R.T. -0.028 min
Lab File: BM043062.D
Acq: 27 Nov 2023 23:03

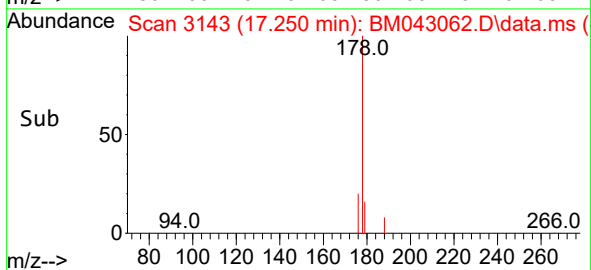
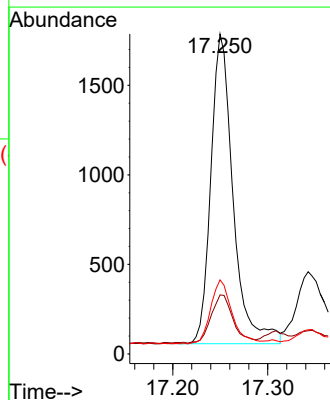
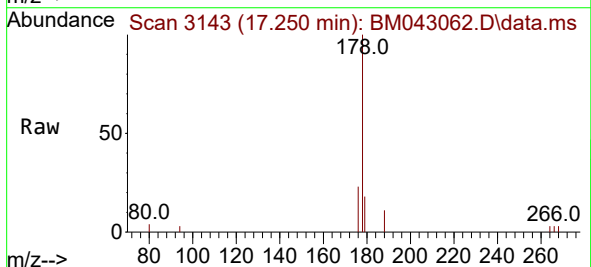
Instrument :
BNA_M
ClientSampleId :
C0AH2

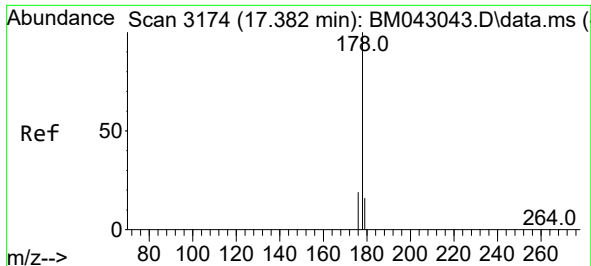
Tgt Ion:166 Resp: 217
Ion Ratio Lower Upper
166 100
165 95.3 79.9 119.9
167 39.1 14.2 21.4#



#15
Phenanthrene
Concen: 0.312 ng/ul
RT: 17.250 min Scan# 3143
Delta R.T. -0.029 min
Lab File: BM043062.D
Acq: 27 Nov 2023 23:03

Tgt Ion:178 Resp: 2819
Ion Ratio Lower Upper
178 100
179 18.4 15.7 23.5
176 23.1 18.9 28.3

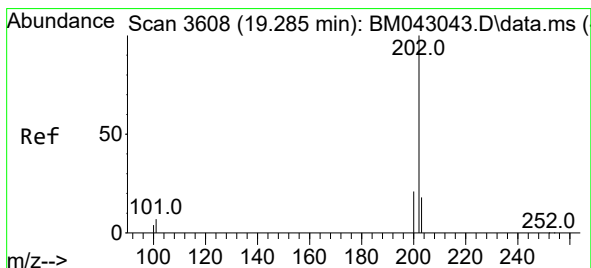
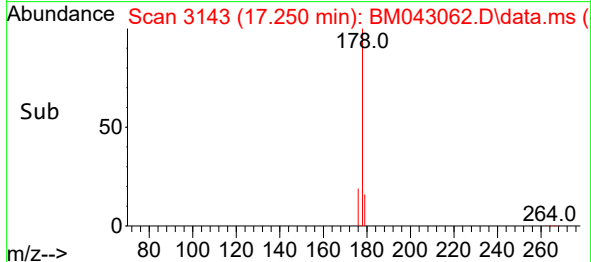
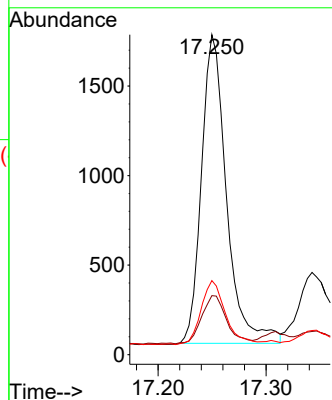
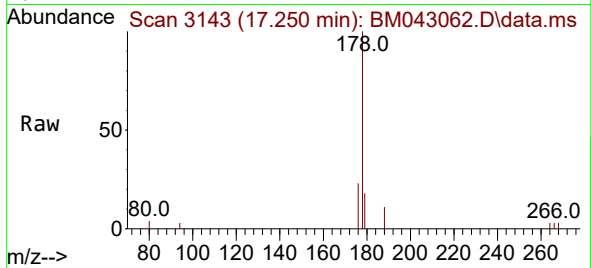




#16
 Anthracene
 Concen: 0.325 ng/ul
 RT: 17.250 min Scan# 3174
 Delta R.T. -0.143 min
 Lab File: BM043062.D
 Acq: 27 Nov 2023 23:03

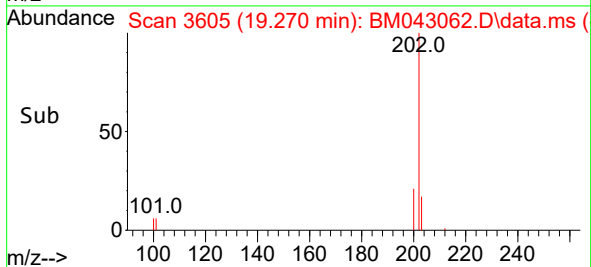
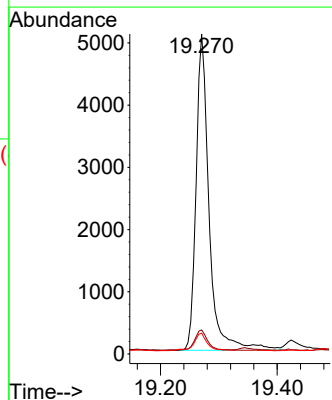
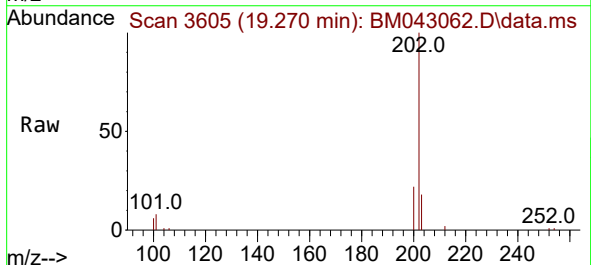
Instrument :
 BNA_M
 ClientSampleId :
 C0AH2

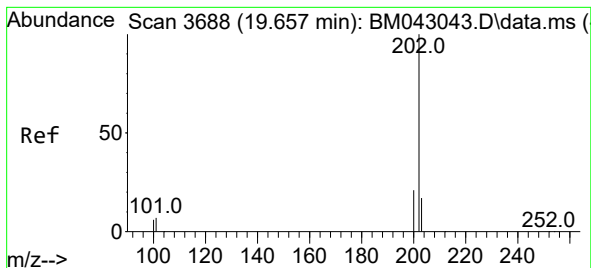
Tgt Ion:178 Resp: 2783
 Ion Ratio Lower Upper
 178 100
 179 18.4 17.3 25.9
 176 23.1 20.5 30.7



#19
 Fluoranthene
 Concen: 0.585 ng/ul
 RT: 19.270 min Scan# 3605
 Delta R.T. -0.023 min
 Lab File: BM043062.D
 Acq: 27 Nov 2023 23:03

Tgt Ion:202 Resp: 7842
 Ion Ratio Lower Upper
 202 100
 101 7.5 7.8 11.8#
 100 6.5 7.1 10.7#





#20

Pyrene

Concen: 0.600 ng/ul

RT: 19.633 min Scan# 3

Delta R.T. -0.028 min

Lab File: BM043062.D

Acq: 27 Nov 2023 23:03

Instrument :

BNA_M

ClientSampleId :

C0AH2

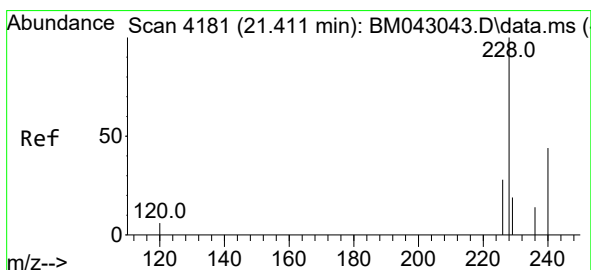
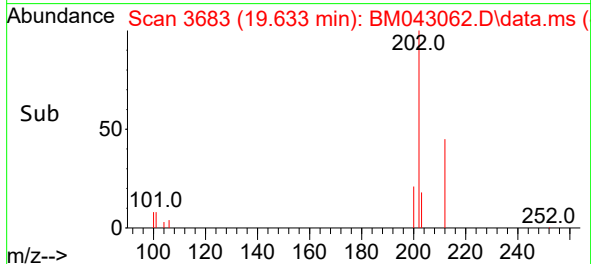
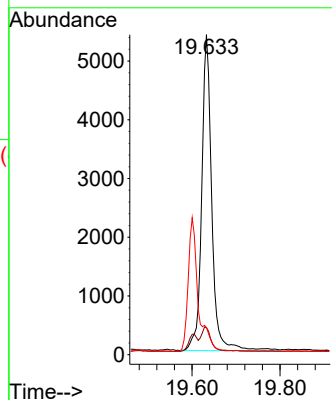
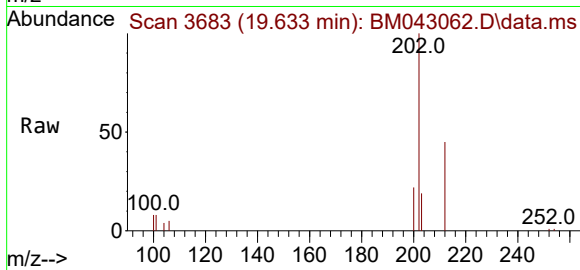
Tgt Ion:202 Resp: 8552

Ion Ratio Lower Upper

202 100

101 8.5 8.7 13.1#

100 8.5 7.8 11.8



#21

Benzo(a)anthracene

Concen: 0.741 ng/ul

RT: 21.389 min Scan# 4173

Delta R.T. -0.023 min

Lab File: BM043062.D

Acq: 27 Nov 2023 23:03

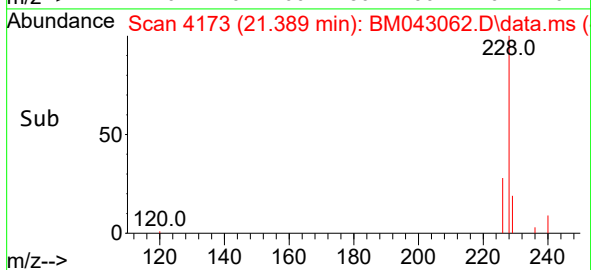
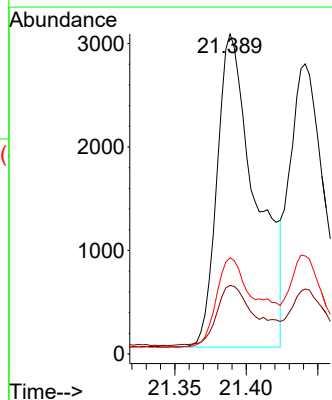
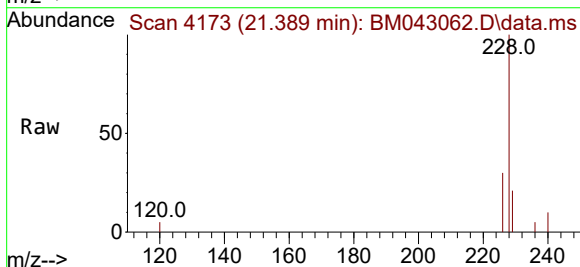
Tgt Ion:228 Resp: 5685

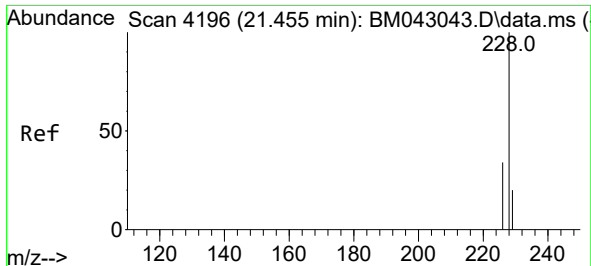
Ion Ratio Lower Upper

228 100

229 21.4 19.4 29.0

226 30.0 24.9 37.3





#22

Chrysene

Concen: 0.367 ng/ul

RT: 21.441 min Scan# 41

Delta R.T. -0.017 min

Lab File: BM043062.D

Acq: 27 Nov 2023 23:03

Instrument :

BNA_M

ClientSampleId :

C0AH2

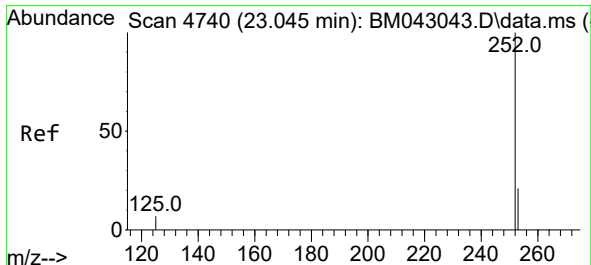
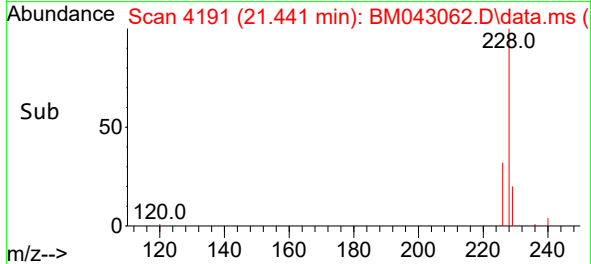
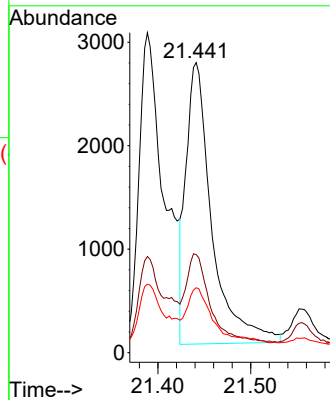
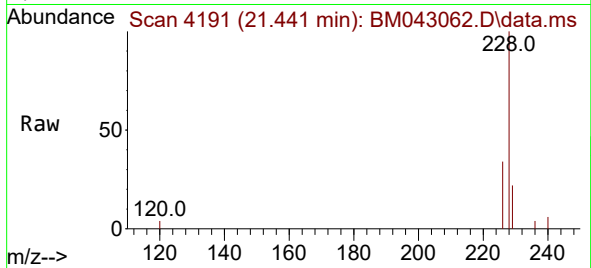
Tgt Ion:228 Resp: 5247

Ion Ratio Lower Upper

228 100

226 33.8 27.2 40.8

229 22.4 18.0 27.0



#24

Benzo(b)fluoranthene

Concen: 0.489 ng/ul

RT: 23.031 min Scan# 4735

Delta R.T. -0.020 min

Lab File: BM043062.D

Acq: 27 Nov 2023 23:03

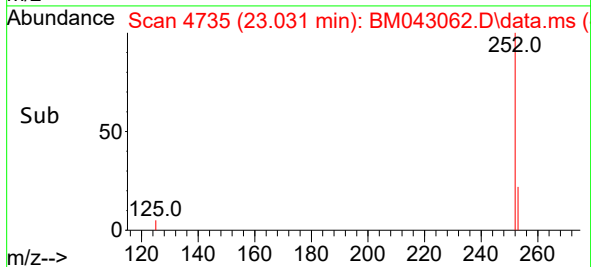
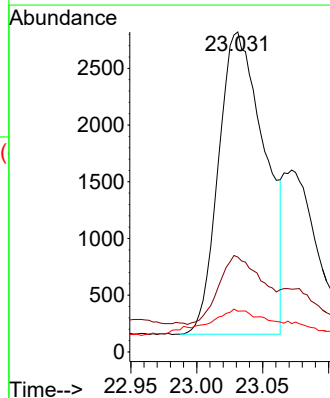
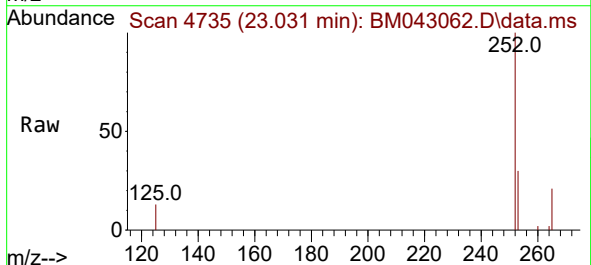
Tgt Ion:252 Resp: 6488

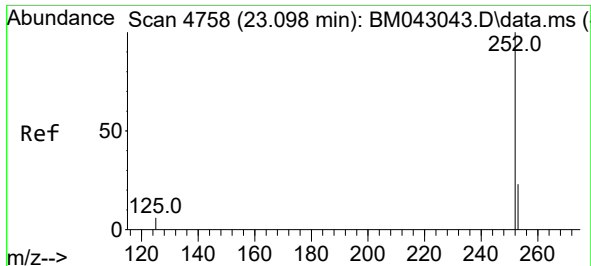
Ion Ratio Lower Upper

252 100

253 29.6 0.0 71.8

125 12.8 0.0 29.0

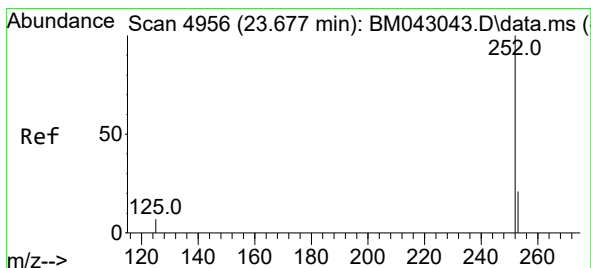
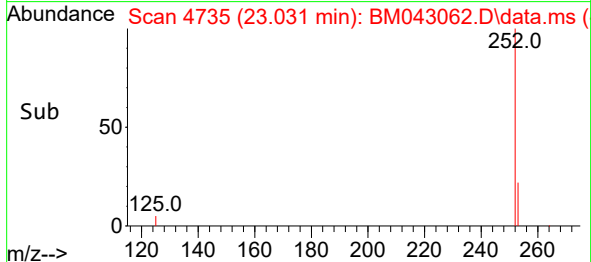
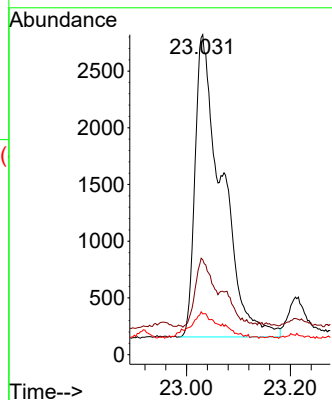
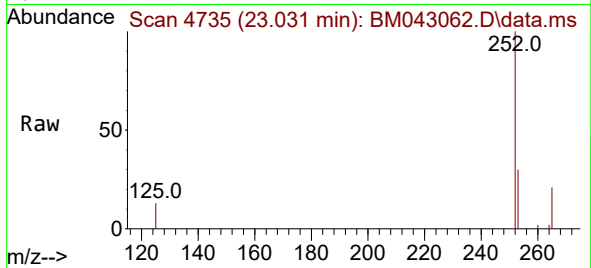




#25
Benzo(k)fluoranthene
Concen: 0.520 ng/ul
RT: 23.031 min Scan# 41
Delta R.T. -0.067 min
Lab File: BM043062.D
Acq: 27 Nov 2023 23:03

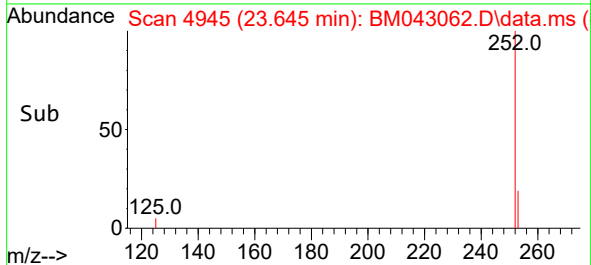
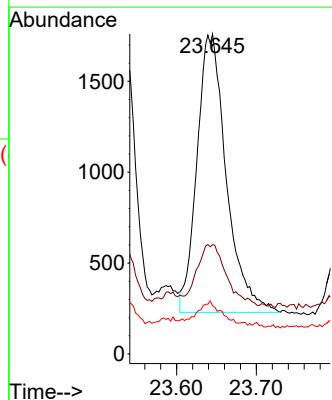
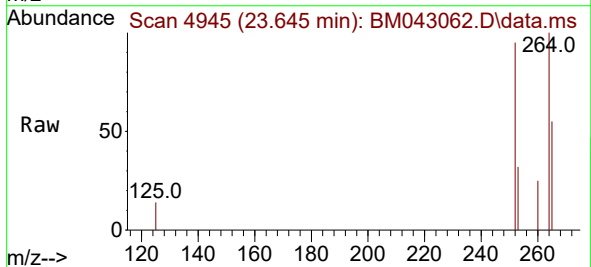
Instrument :
BNA_M
ClientSampleId :
C0AH2

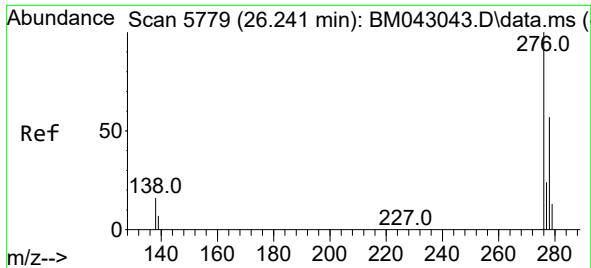
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Ion Ratio Lower Upper
252 100
253 29.6 28.2 42.2
125 12.8 11.0 16.6



#26
Benzo(a)pyrene
Concen: 0.270 ng/ul
RT: 23.645 min Scan# 4945
Delta R.T. -0.041 min
Lab File: BM043062.D
Acq: 27 Nov 2023 23:03

Tgt Ion:252 Resp: 3913
Ion Ratio Lower Upper
252 100
253 34.1 36.6 55.0#
125 15.0 16.2 24.4#

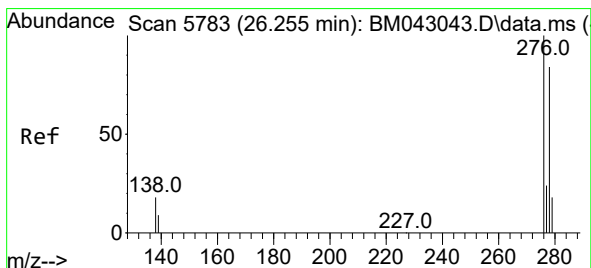
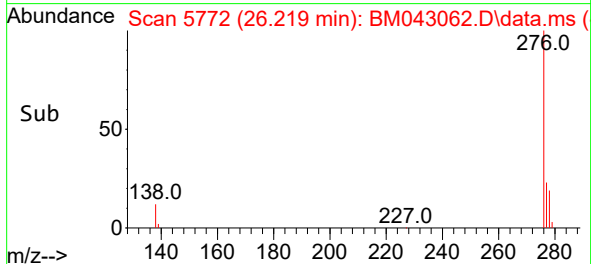
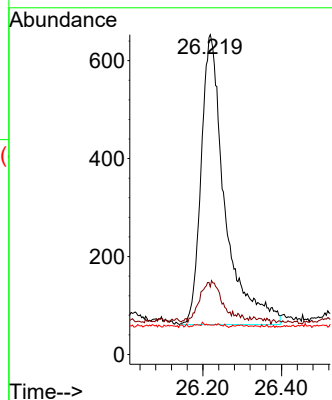
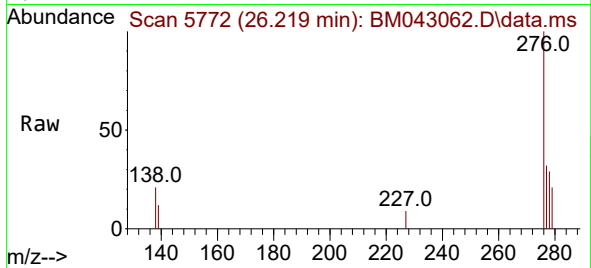




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 0.127 ng/ul
 RT: 26.219 min Scan# 5772
 Delta R.T. -0.020 min
 Lab File: BM043062.D
 Acq: 27 Nov 2023 23:03

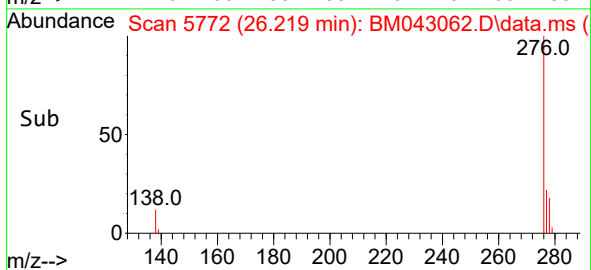
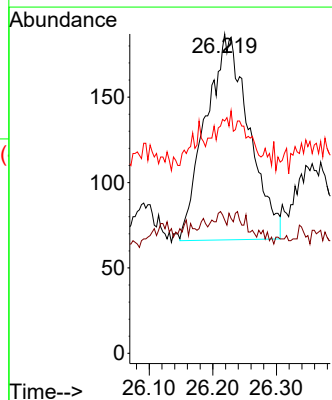
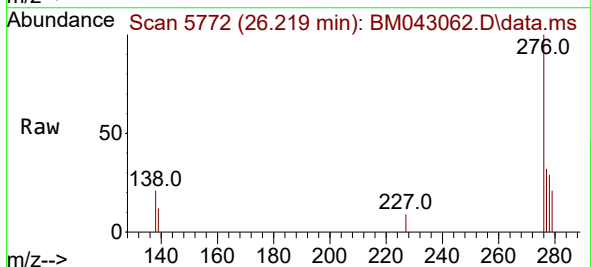
Instrument :
 BNA_M
 ClientSampleId :
 C0AH2

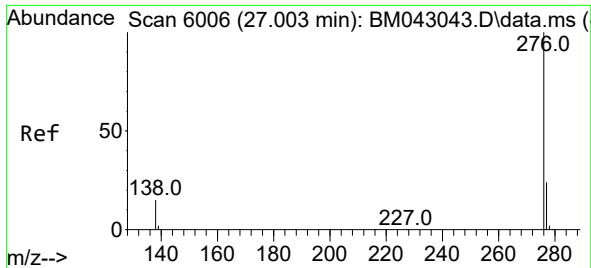
Tgt Ion:276 Resp: 2482
 Ion Ratio Lower Upper
 276 100
 138 13.8 0.0 0.0#
 227 0.0 0.2 0.2#



#28
 Dibenzo(a,h)anthracene
 Concen: 0.038 ng/ul
 RT: 26.219 min Scan# 5772
 Delta R.T. -0.057 min
 Lab File: BM043062.D
 Acq: 27 Nov 2023 23:03

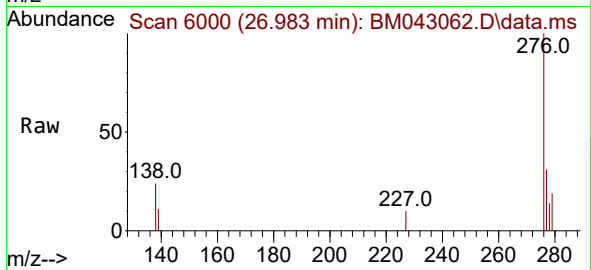
Tgt Ion:278 Resp: 570
 Ion Ratio Lower Upper
 278 100
 139 41.7 18.1 27.1#
 279 72.7 34.4 51.6#





#29
Benzo(g,h,i)perylene
Concen: 0.122 ng/ul
RT: 26.983 min Scan# 6000
Delta R.T. -0.027 min
Lab File: BM043062.D
Acq: 27 Nov 2023 23:03

Instrument :
BNA_M
ClientSampleId :
C0AH2



Tgt Ion:276 Resp: 2327
Ion Ratio Lower Upper
276 100
138 23.9 17.8 26.8
277 30.5 23.8 35.8

