

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

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/28/2023
 Supervised By :mohammad ahmed 11/29/2023

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	748m	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	1476m	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	1821m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.160	96	1565	1.364	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	0.066	ng/ul#	80
12) Fluorene	15.509	166	217	0.037	ng/ul#	89
15) Phenanthrene	17.250	178	2819	0.312	ng/ul	98
16) Anthracene	17.343	178	927m	0.108	ng/ul	
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	1.056	ng/ul	91
25) Benzo(k)fluoranthene	23.072	252	3271m	0.387	ng/ul	
26) Benzo(a)pyrene	23.645	252	3913	0.583	ng/ul#	84
27) Indeno(1,2,3-cd)pyrene	26.219	276	2482	0.273	ng/ul#	100
29) Benzo(g,h,i)perylene	26.983	276	2327	0.264	ng/ul	98

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

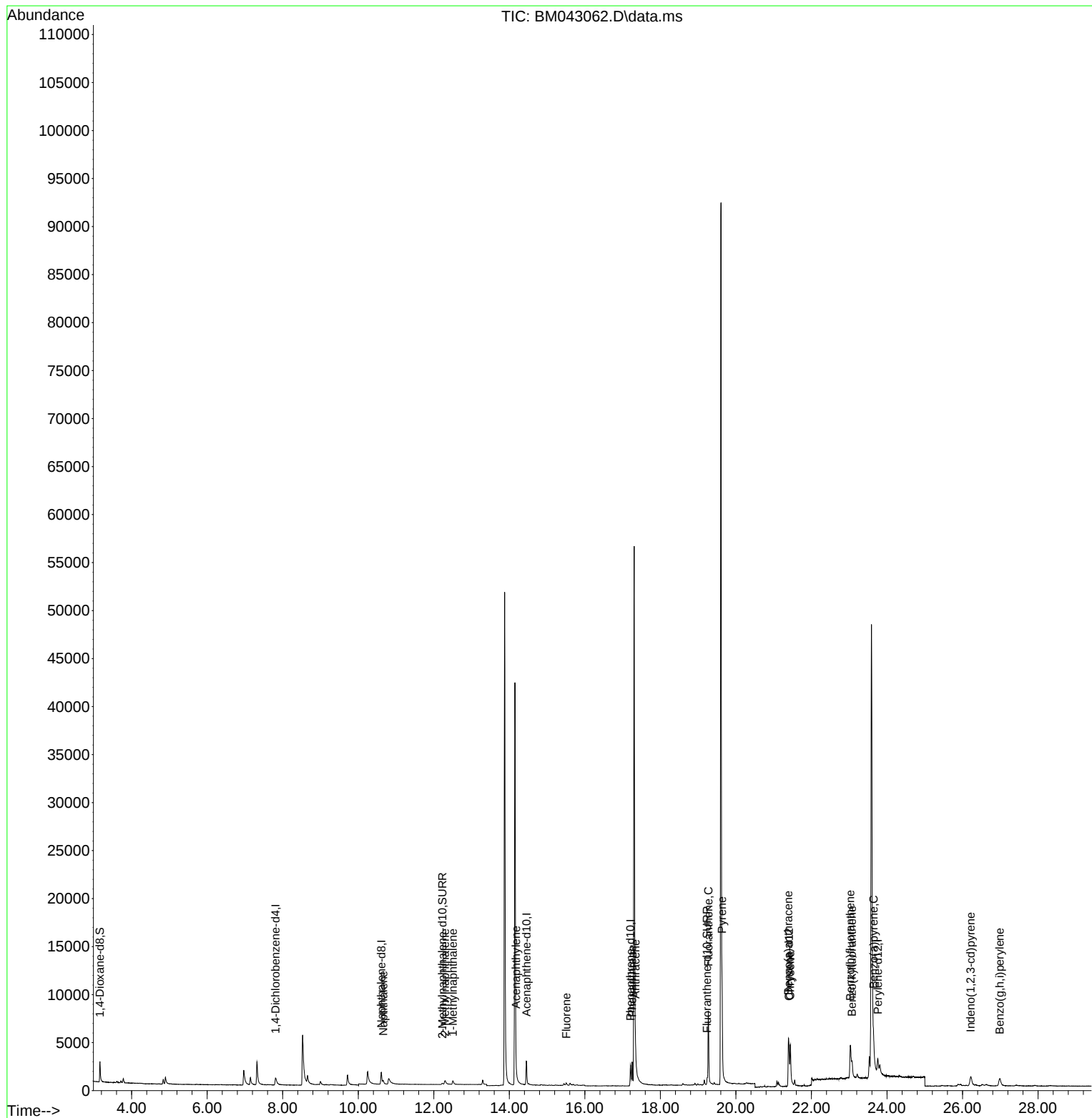
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112723\
Data File : BM043062.D
Acq On : 27 Nov 2023 23:03
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Sample : 05416-16
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ALS Vial : 20 Sample Multiplier: 1

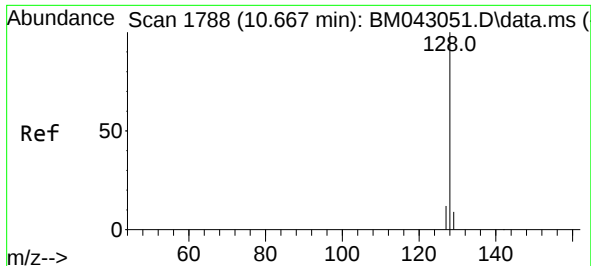
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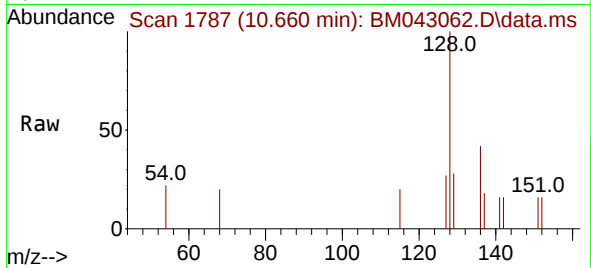
Quant Time: Nov 28 00:24:15 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#5
Naphthalene
Concen: 0.096 ng/u1
RT: 10.660 min Scan# 1788
Delta R.T. -0.038 min
Lab File: BM043062.D
Acq: 27 Nov 2023 23:03

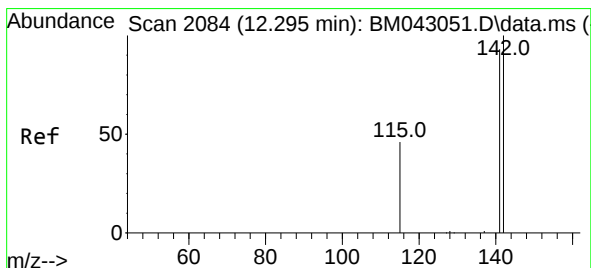
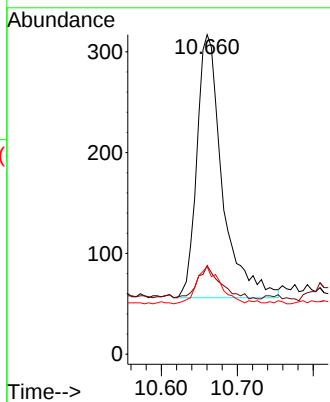
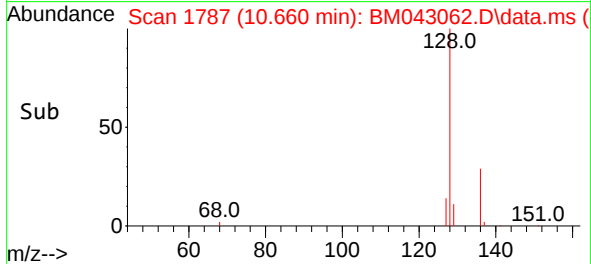
Instrument :
BNA_M
ClientSampleId :
C0AH2



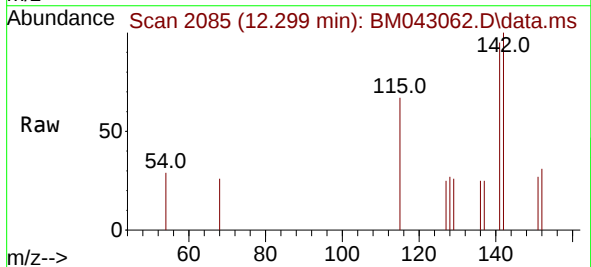
Tgt Ion:128 Resp: 608
Ion Ratio Lower Upper
128 100
129 27.8 16.0 24.0
127 27.4 16.5 24.7

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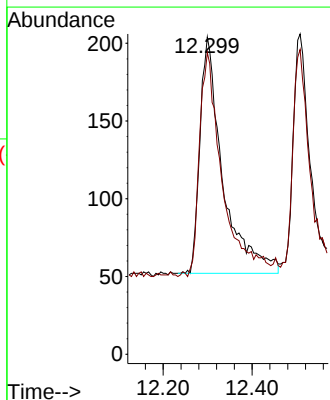
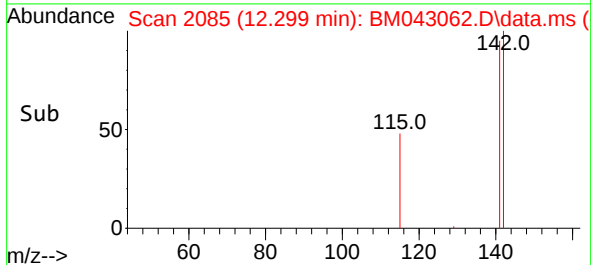
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/29/2023

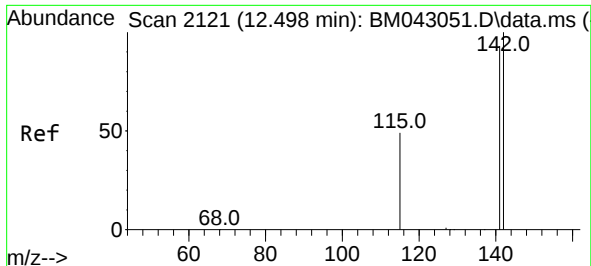


#7
2-Methylnaphthalene
Concen: 0.145 ng/u1
RT: 12.299 min Scan# 2085
Delta R.T. -0.033 min
Lab File: BM043062.D
Acq: 27 Nov 2023 23:03



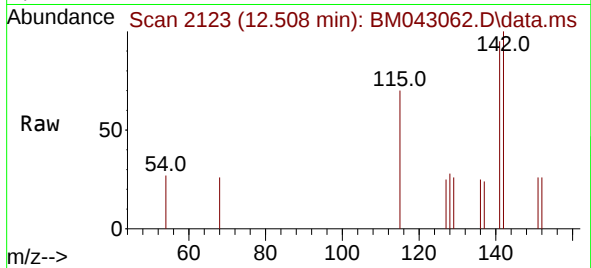
Tgt Ion:142 Resp: 542
Ion Ratio Lower Upper
142 100
141 95.0 76.1 114.1





#8
1-Methylnaphthalene
Concen: 0.089 ng/ul
RT: 12.508 min Scan# 2121
Delta R.T. -0.011 min
Lab File: BM043062.D
Acq: 27 Nov 2023 23:03

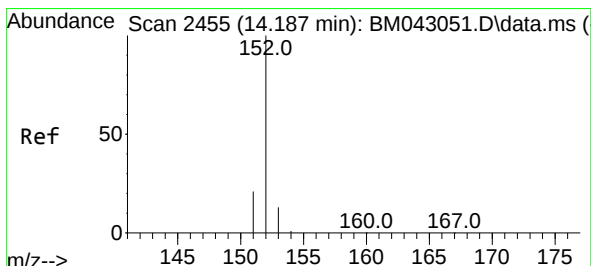
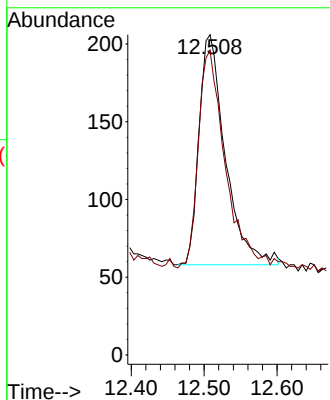
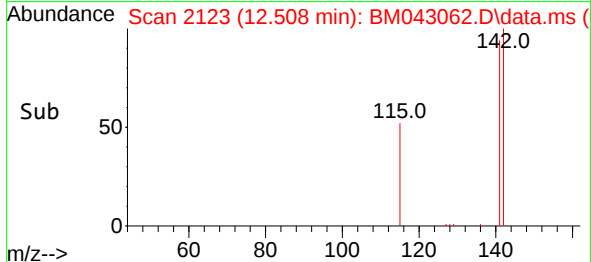
Instrument :
BNA_M
ClientSampleId :
C0AH2



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

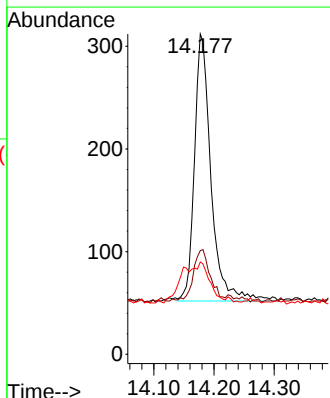
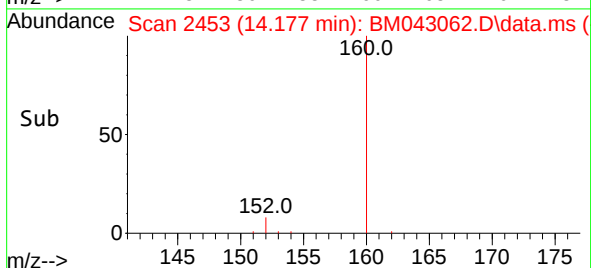
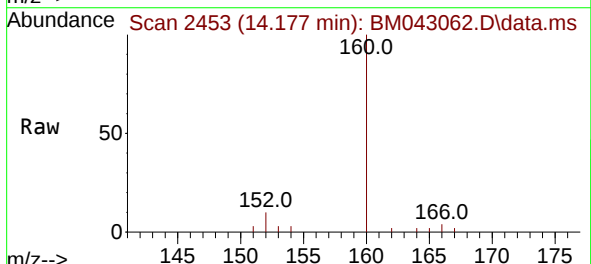
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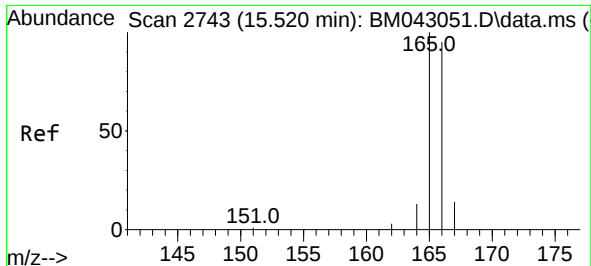
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/29/2023



#10
Acenaphthylene
Concen: 0.066 ng/ul
RT: 14.177 min Scan# 2453
Delta R.T. -0.028 min
Lab File: BM043062.D
Acq: 27 Nov 2023 23:03

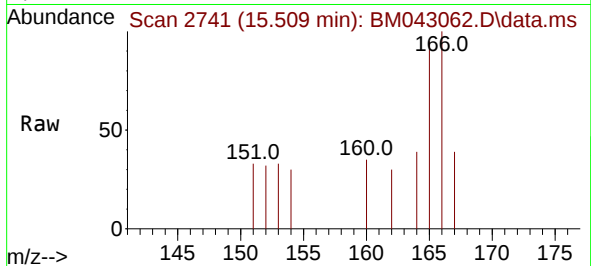
Tgt Ion:152 Resp: 497
Ion Ratio Lower Upper
152 100
151 32.4 19.4 29.0#
153 28.8 14.6 21.8#





#12
Fluorene
Concen: 0.037 ng/u1
RT: 15.509 min Scan# 21
Delta R.T. -0.028 min
Lab File: BM043062.D
Acq: 27 Nov 2023 23:03

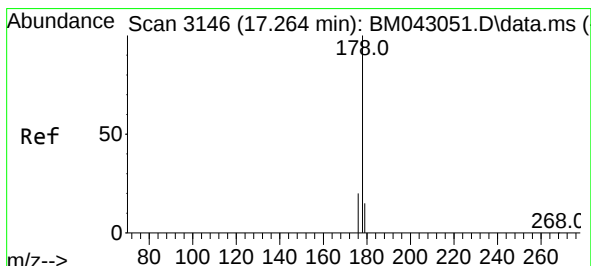
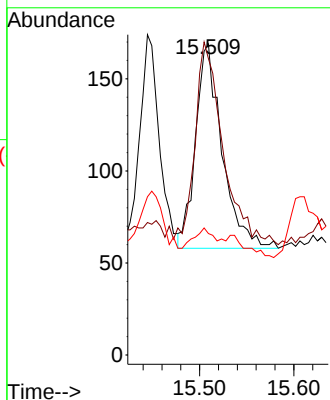
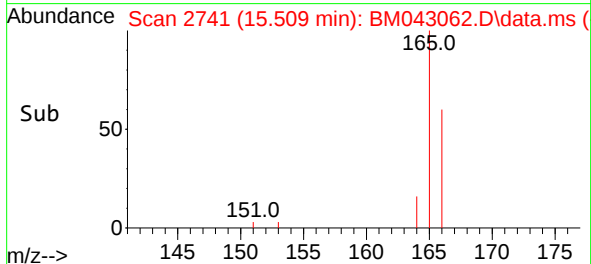
Instrument :
BNA_M
ClientSampleId :
C0AH2



Tgt Ion:166 Resp: 21
Ion Ratio Lower Upper
166 100
165 95.3 79.9 119.9
167 39.1 14.2 21.4

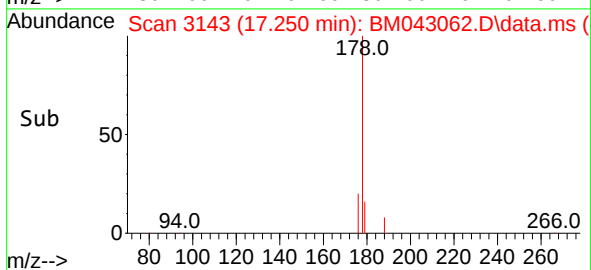
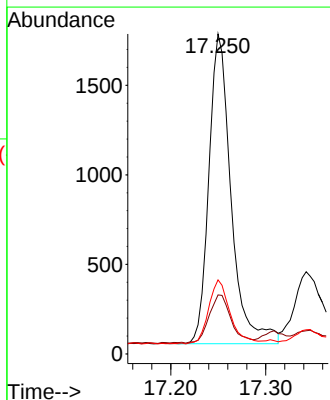
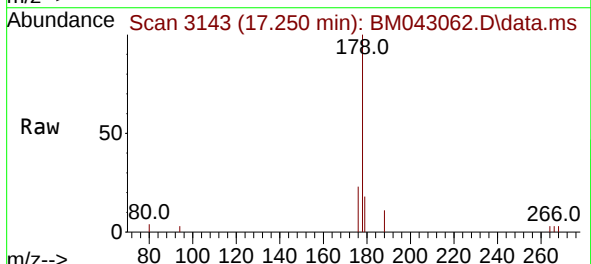
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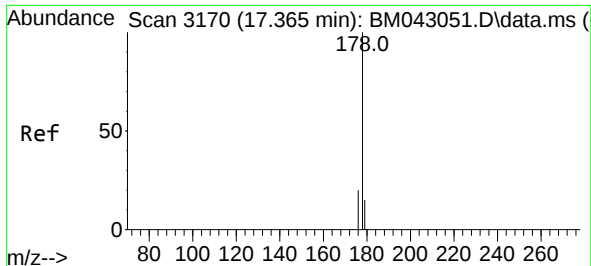
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/29/2023



#15
Phenanthrene
Concen: 0.312 ng/u1
RT: 17.250 min Scan# 3143
Delta R.T. -0.029 min
Lab File: BM043062.D
Acq: 27 Nov 2023 23:03

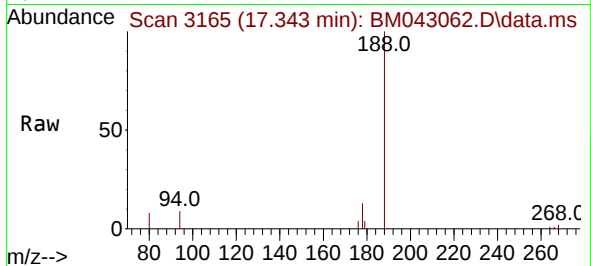
Tgt Ion:178 Resp: 2819
Ion Ratio Lower Upper
178 100
179 18.4 15.7 23.5
176 23.1 18.9 28.3





#16
 Anthracene
 Concen: 0.108 ng/ul m
 RT: 17.343 min Scan# 3170
 Delta R.T. -0.050 min
 Lab File: BM043062.D
 Acq: 27 Nov 2023 23:03

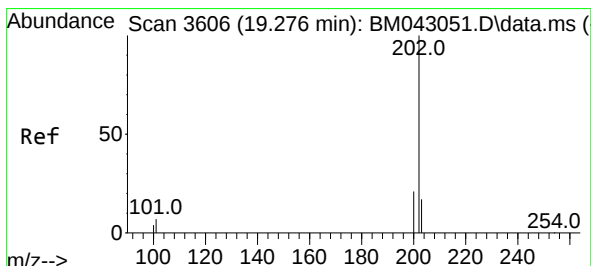
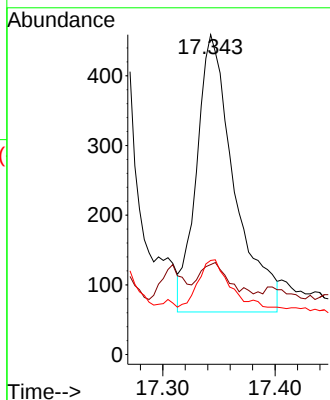
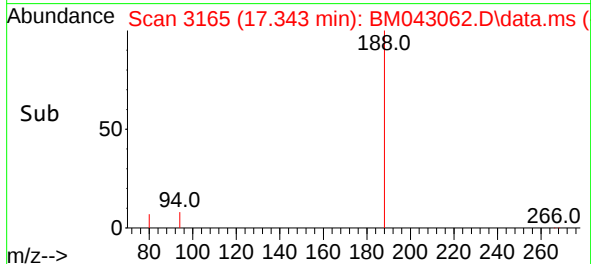
Instrument :
 BNA_M
 ClientSampleId :
 C0AH2



Tgt Ion:178 Resp: 927
 Ion Ratio Lower Upper
 178 100
 179 28.1 17.3 25.9#
 176 29.4 20.5 30.7#

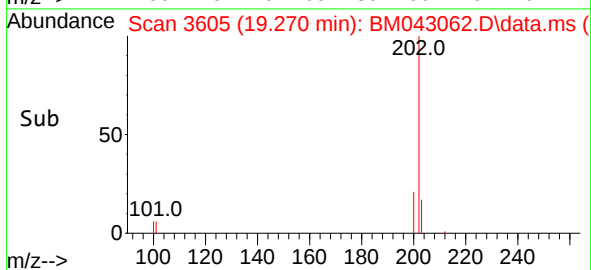
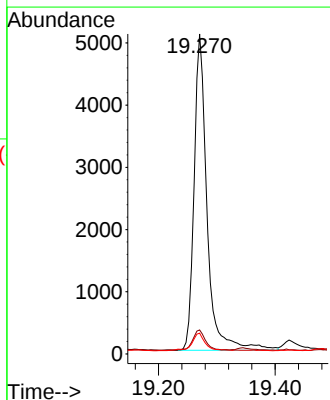
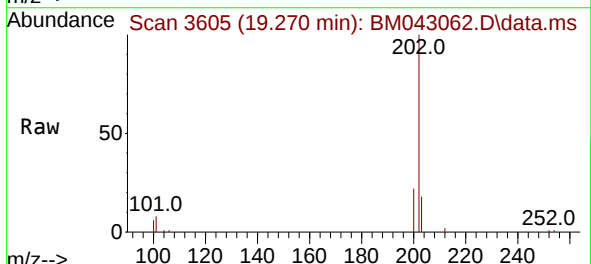
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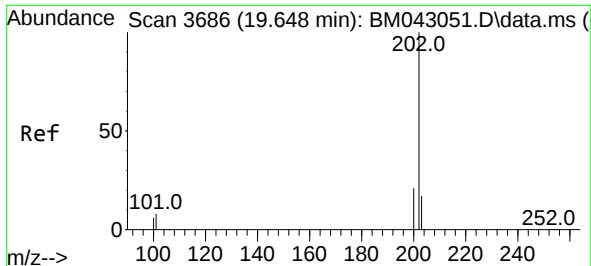
Reviewed By :Yogesh Patel 11/28/2023
 Supervised By :mohammad ahmed 11/29/2023



#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

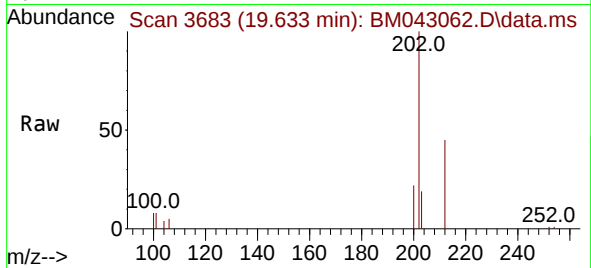
Tgt Ion:202 Resp: 7842
 Ion Ratio Lower Upper
 202 100
 101 7.5 7.8 11.8#
 100 6.5 7.1 10.7#





#20
Pyrene
Concen: 0.600 ng/u1
RT: 19.633 min Scan# 30
Delta R.T. -0.028 min
Lab File: BM043062.D
Acq: 27 Nov 2023 23:03

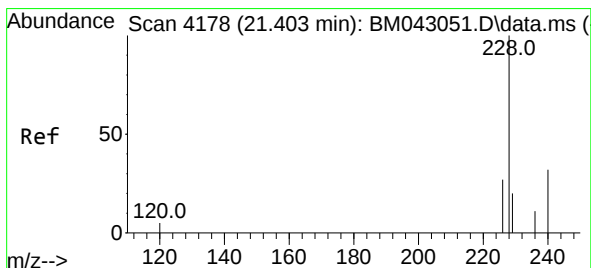
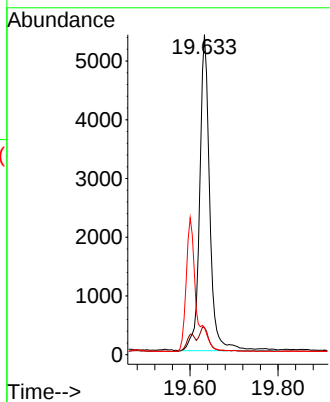
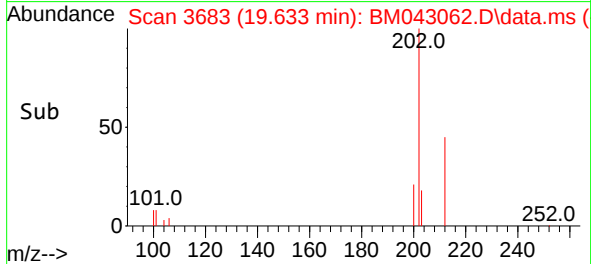
Instrument :
BNA_M
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C0AH2



Tgt Ion:202 Resp: 855
Ion Ratio Lower Upper
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101 8.5 8.7 13.1
100 8.5 7.8 11.8

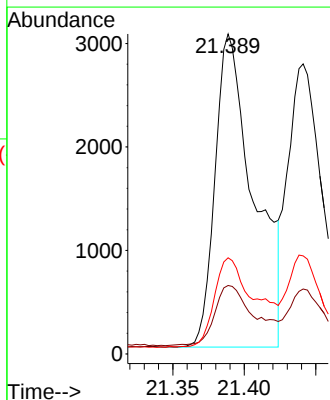
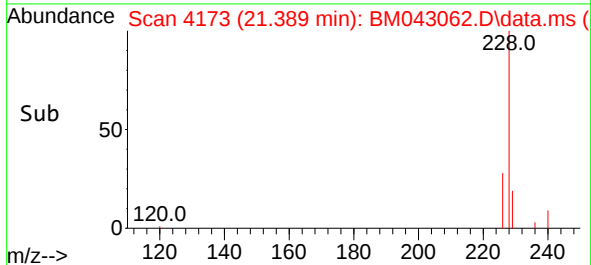
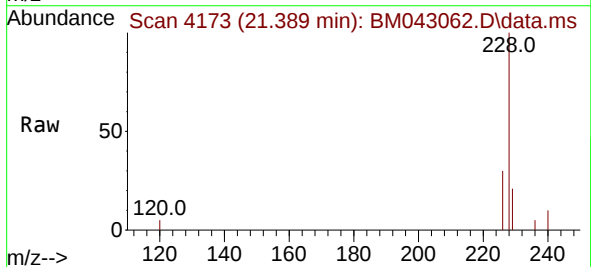
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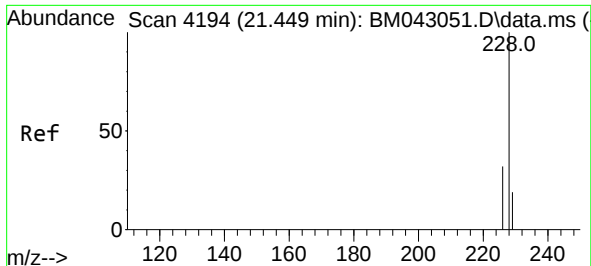
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/29/2023



#21
Benzo(a)anthracene
Concen: 0.741 ng/u1
RT: 21.389 min Scan# 4173
Delta R.T. -0.023 min
Lab File: BM043062.D
Acq: 27 Nov 2023 23:03

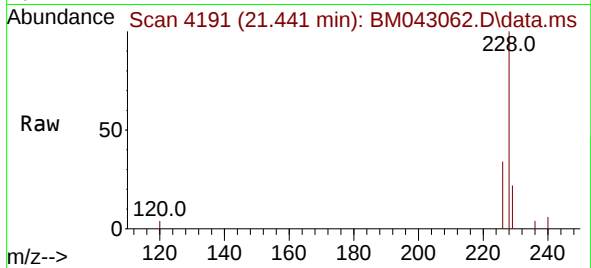
Tgt Ion:228 Resp: 5685
Ion Ratio Lower Upper
228 100
229 21.4 19.4 29.0
226 30.0 24.9 37.3





#22
Chrysene
Concen: 0.367 ng/u1
RT: 21.441 min Scan# 4191
Delta R.T. -0.017 min
Lab File: BM043062.D
Acq: 27 Nov 2023 23:03

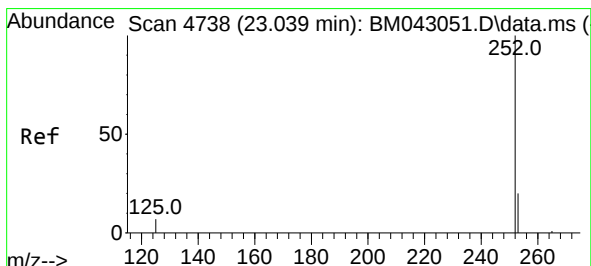
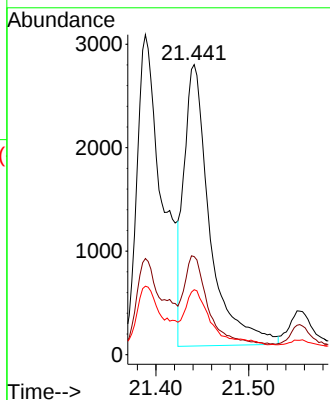
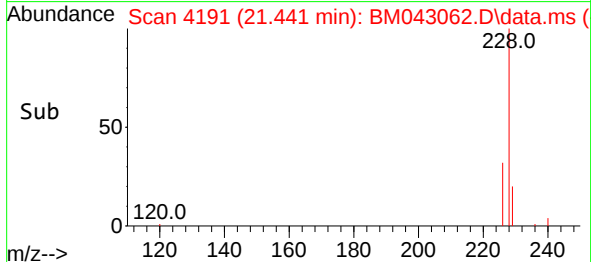
Instrument :
BNA_M
ClientSampleId :
C0AH2



Tgt Ion:228 Resp: 524
Ion Ratio Lower Upper
228 100
226 33.8 27.2 40.8
229 22.4 18.0 27.0

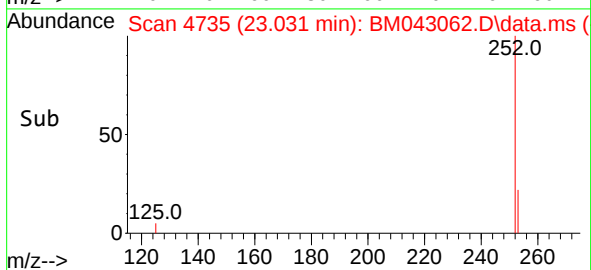
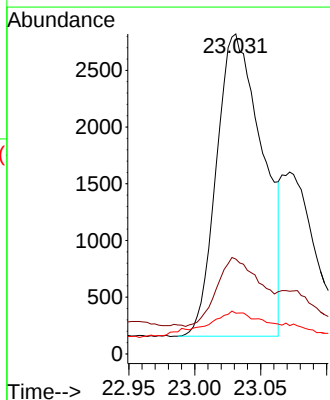
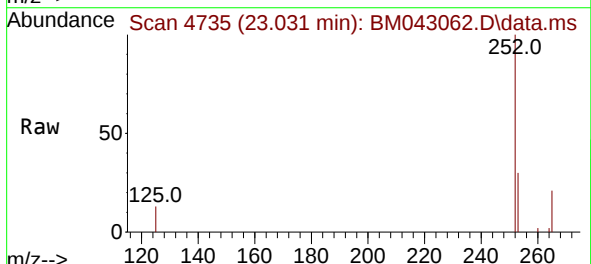
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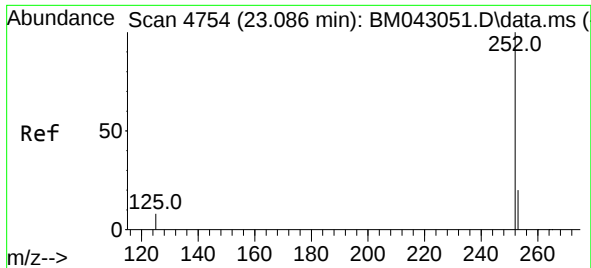
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/29/2023



#24
Benzo(b)fluoranthene
Concen: 1.056 ng/u1
RT: 23.031 min Scan# 4735
Delta R.T. -0.020 min
Lab File: BM043062.D
Acq: 27 Nov 2023 23:03

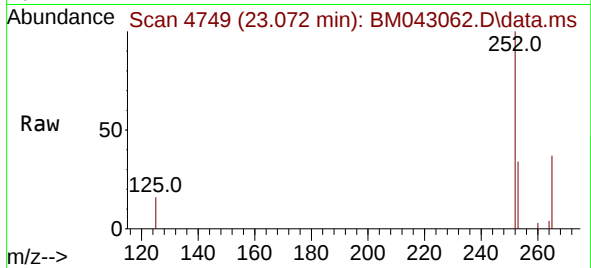
Tgt Ion:252 Resp: 6488
Ion Ratio Lower Upper
252 100
253 29.6 0.0 71.8
125 12.8 0.0 29.0





#25
Benzo(k)fluoranthene
Concen: 0.387 ng/ul m
RT: 23.072 min Scan# 4754
Delta R.T. -0.026 min
Lab File: BM043062.D
Acq: 27 Nov 2023 23:03

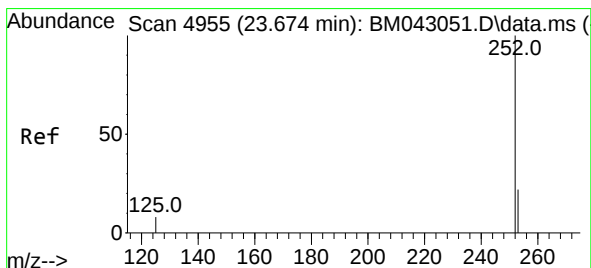
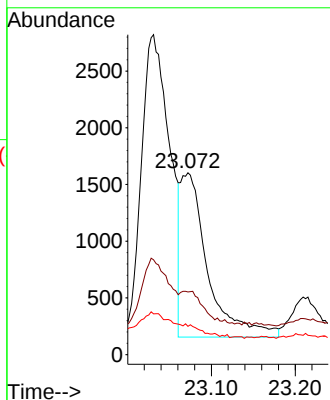
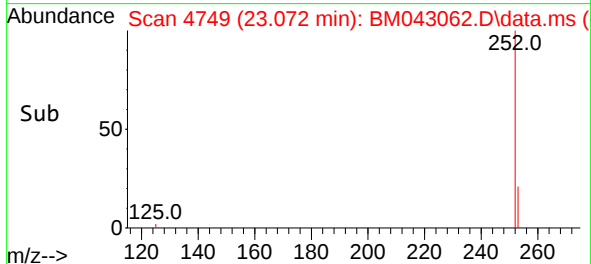
Instrument :
BNA_M
ClientSampleId :
C0AH2



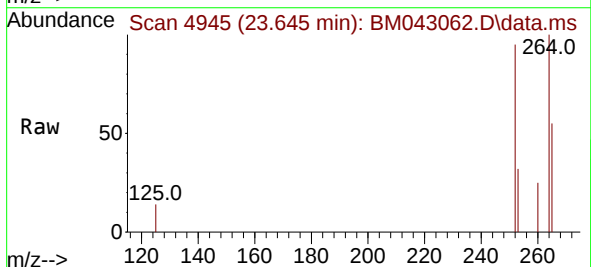
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Ion Ratio Lower Upper
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125 15.5 11.0 16.6

Manual Integrations
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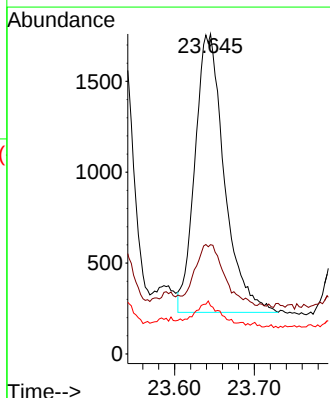
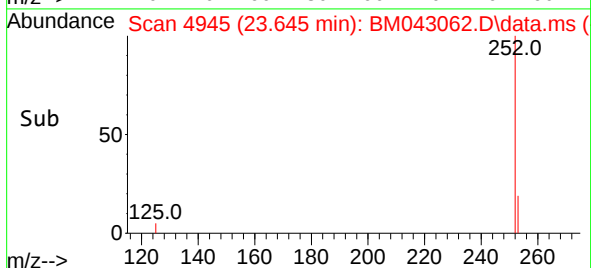
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/29/2023

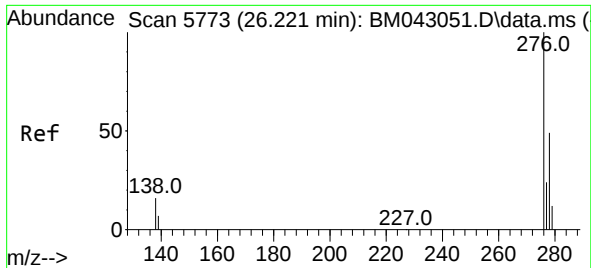


#26
Benzo(a)pyrene
Concen: 0.583 ng/ul
RT: 23.645 min Scan# 4945
Delta R.T. -0.041 min
Lab File: BM043062.D
Acq: 27 Nov 2023 23:03



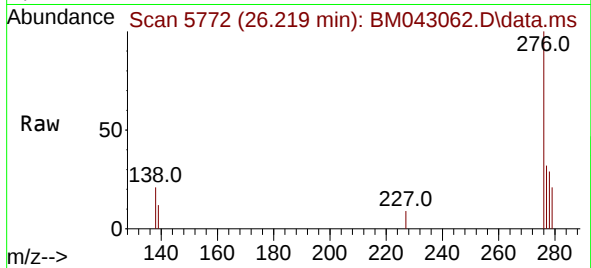
Tgt Ion:252 Resp: 3913
Ion Ratio Lower Upper
252 100
253 34.1 36.6 55.0#
125 15.0 16.2 24.4#





#27
Indeno(1,2,3-cd)pyrene
Concen: 0.273 ng/ul
RT: 26.219 min Scan# 51
Delta R.T. -0.020 min
Lab File: BM043062.D
Acq: 27 Nov 2023 23:03

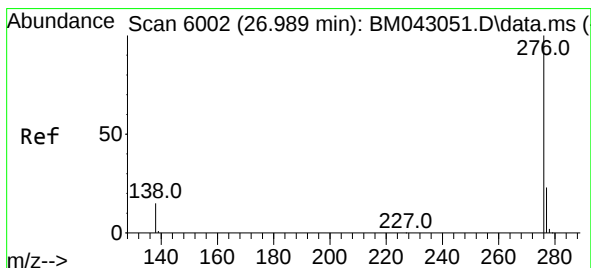
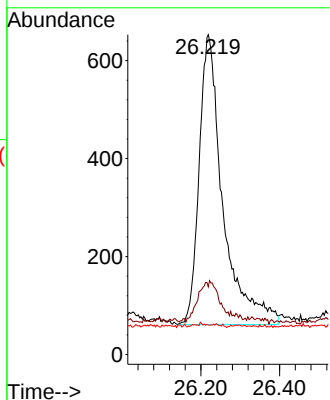
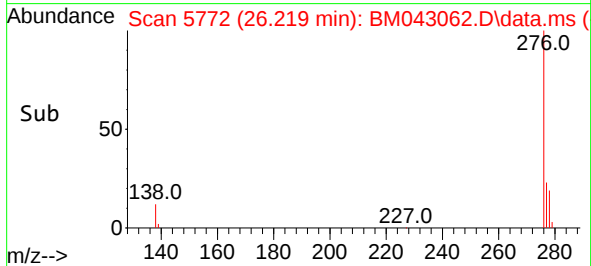
Instrument :
BNA_M
ClientSampleId :
C0AH2



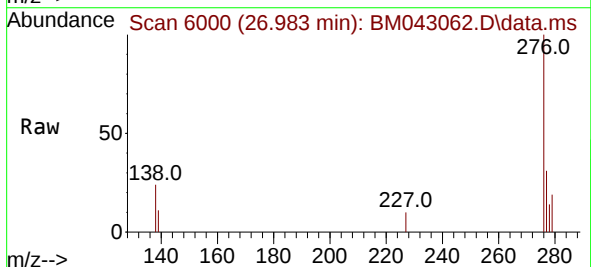
Tgt Ion:276 Resp: 248
Ion Ratio Lower Upper
276 100
138 13.8 0.0 0.0
227 0.0 0.2 0.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/29/2023



#29
Benzo(g,h,i)perylene
Concen: 0.264 ng/ul
RT: 26.983 min Scan# 6000
Delta R.T. -0.027 min
Lab File: BM043062.D
Acq: 27 Nov 2023 23:03



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

