

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121421\
 Data File : BM033458.D
 Acq On : 15 Dec 2021 02:36
 Operator : CG/JU
 Sample : M4985-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW5Q0

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/15/2021
 Supervised By :mohammad ahmed 12/24/2021

Quant Time: Dec 15 03:58:04 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM121421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 15 01:00:55 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.898	152	805	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.684	136	2082	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.519	164	1492	0.400	ng/ul	-0.01
13) Phenanthrene-d10	17.257	188	3813m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.422	240	4271	0.400	ng/ul	-0.01
23) Perylene-d12	23.735	264	3752	0.400	ng/ul	#-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.358	96	2313	3.546	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	12.281	152	977	0.371	ng/ul	-0.02
18) Fluoranthene-d10	19.277	212	5078	0.546	ng/ul	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.396	88	594	0.697	ng/ul	93
5) Naphthalene	10.738	128	473	0.062	ng/ul#	74
7) 2-Methylnaphthalene	12.353	142	141	0.032	ng/ul	96
8) 1-Methylnaphthalene	12.569	142	169	0.038	ng/ul	99
10) Acenaphthylene	14.238	152	1674	0.201	ng/ul	100
11) Acenaphthene	14.580	153	175	0.027	ng/ul	89
12) Fluorene	15.562	166	707	0.101	ng/ul#	98
15) Phenanthrene	17.295	178	7618	0.612	ng/ul	98
16) Anthracene	17.389	178	2510	0.228	ng/ul	97
19) Fluoranthene	19.308	202	9584	0.853	ng/ul	97
20) Pyrene	19.666	202	8978	0.725	ng/ul#	89
21) Benzo(a)anthracene	21.407	228	3355	0.353	ng/ul	94
22) Chrysene	21.458	228	2689	0.227	ng/ul	97
24) Benzo(b)fluoranthene	23.037	252	3191m	0.320	ng/ul	
25) Benzo(k)fluoranthene	23.078	252	1076m	0.094	ng/ul	
26) Benzo(a)pyrene	23.628	252	2613	0.272	ng/ul#	85
27) Indeno(1,2,3-cd)pyrene	26.100	276	1325	0.123	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.104	278	268	0.030	ng/ul#	1
29) Benzo(g,h,i)perylene	26.824	276	1322	0.137	ng/ul#	81

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

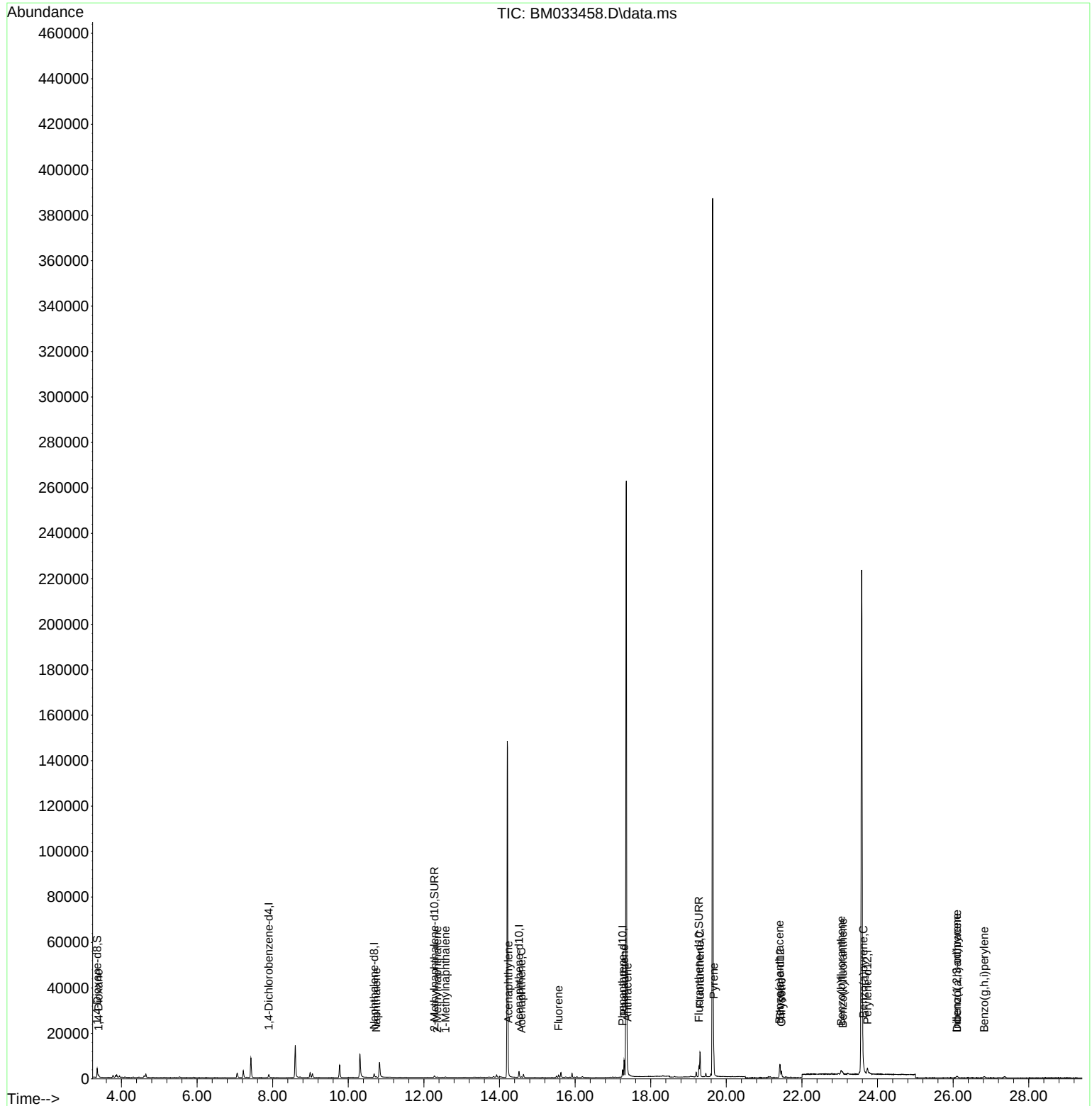
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121421\
Data File : BM033458.D
Acq On : 15 Dec 2021 02:36
Operator : CG/JU
Sample : M4985-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

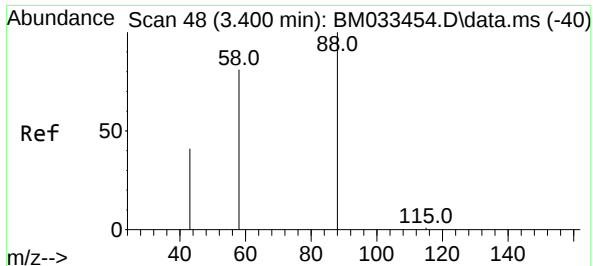
Instrument :
BNA_M
ClientSampleId :
EW5Q0

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/15/2021
Supervised By :mohammad ahmed 12/24/2021

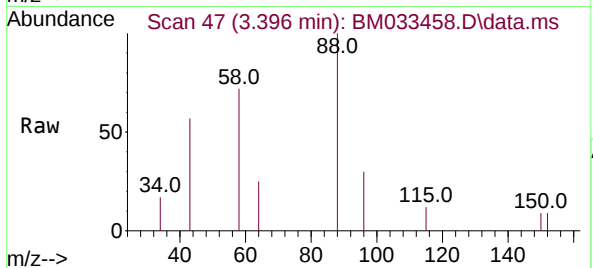
Quant Time: Dec 15 03:58:04 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 15 01:00:55 2021
Response via : Initial Calibration





#2
1,4-Dioxane
Concen: 0.697 ng/ul
RT: 3.396 min Scan# 41
Delta R.T. -0.007 min
Lab File: BM033458.D
Acq: 15 Dec 2021 02:36

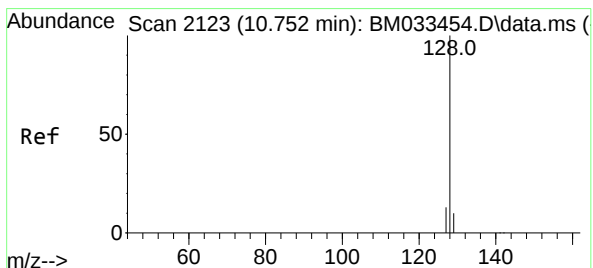
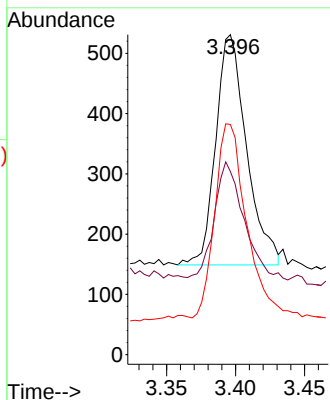
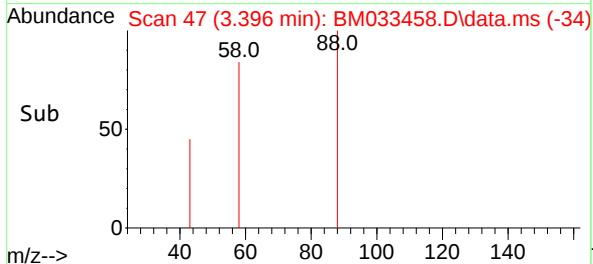
Instrument :
BNA_M
ClientSampleId :
EW5Q0



Tgt Ion: 88 Resp: 594
Ion Ratio Lower Upper
88 100
43 57.3 49.7 74.5
58 71.9 52.5 78.7

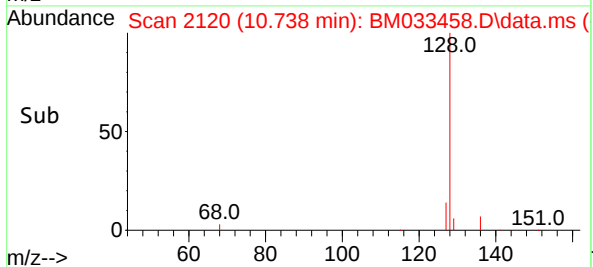
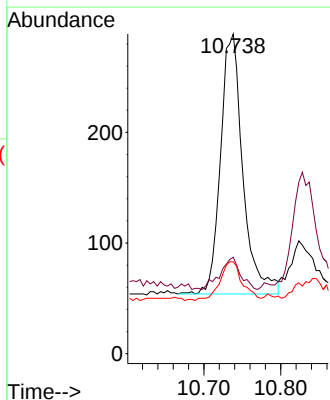
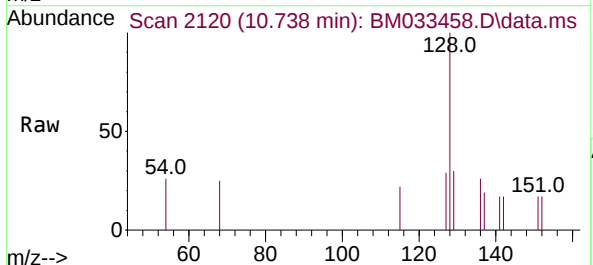
Manual Integrations
APPROVED

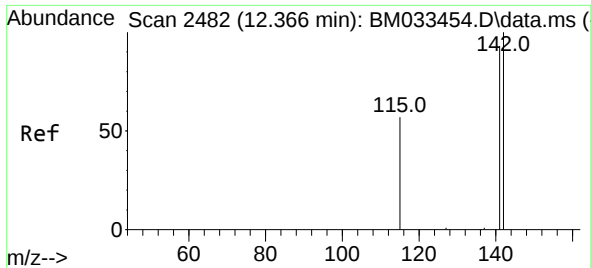
Reviewed By :Jagrut Upadhyay 12/15/2021
Supervised By :mohammad ahmed 12/24/2021



#5
Naphthalene
Concen: 0.062 ng/ul
RT: 10.738 min Scan# 2120
Delta R.T. -0.018 min
Lab File: BM033458.D
Acq: 15 Dec 2021 02:36

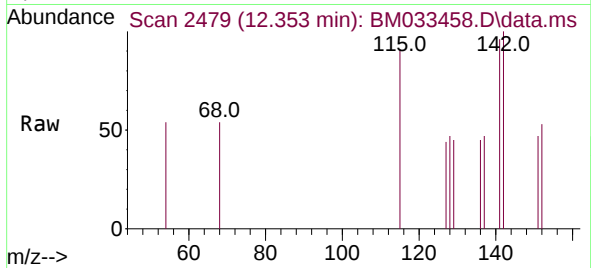
Tgt Ion:128 Resp: 473
Ion Ratio Lower Upper
128 100
129 30.1 13.4 20.2#
127 28.7 15.2 22.8#





#7
2-Methylnaphthalene
Concen: 0.032 ng/ul
RT: 12.353 min Scan# 2479
Delta R.T. -0.018 min
Lab File: BM033458.D
Acq: 15 Dec 2021 02:36

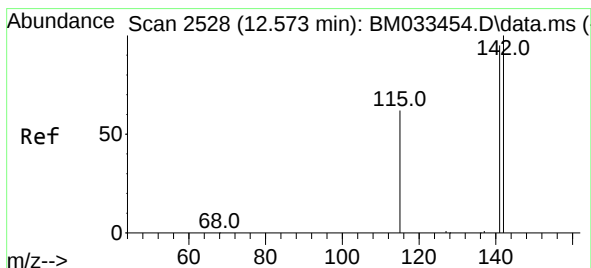
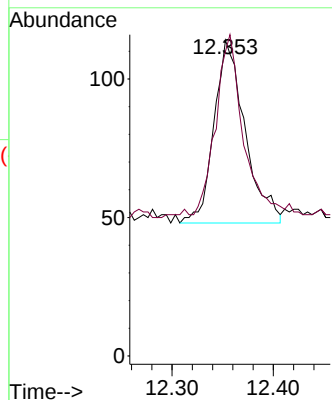
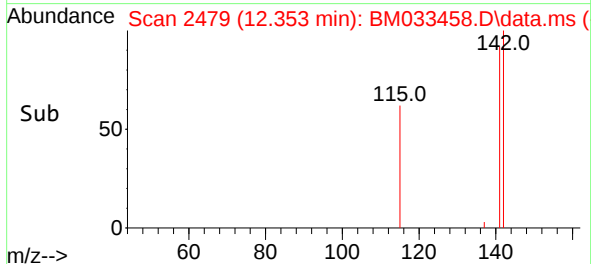
Instrument :
BNA_M
ClientSampleId :
EW5Q0



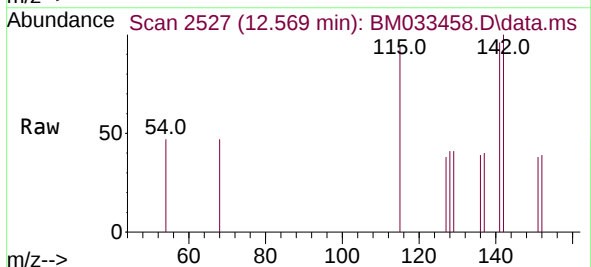
Tgt Ion:142 Resp: 142
Ion Ratio Lower Upper
142 100
141 93.6 71.8 107.6

Manual Integrations
APPROVED

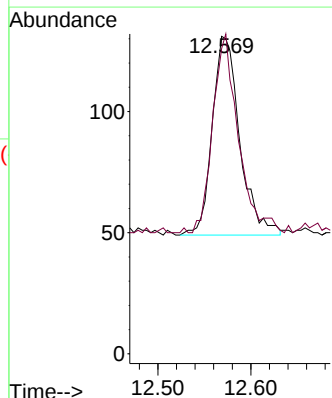
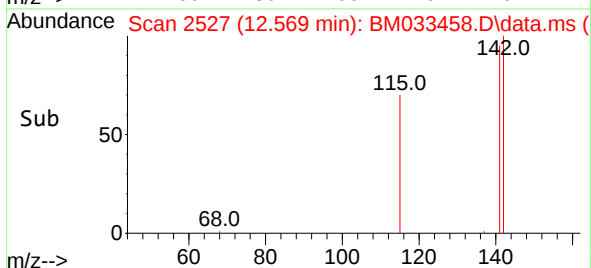
Reviewed By :Jagrut Upadhyay 12/15/2021
Supervised By :mohammad ahmed 12/24/2021

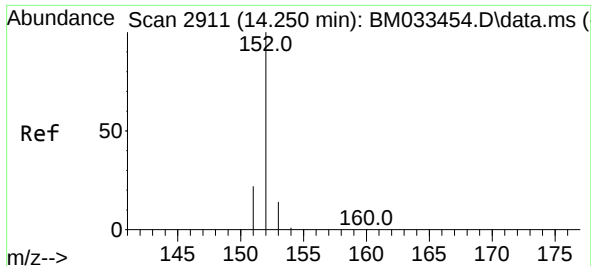


#8
1-Methylnaphthalene
Concen: 0.038 ng/ul
RT: 12.569 min Scan# 2527
Delta R.T. -0.013 min
Lab File: BM033458.D
Acq: 15 Dec 2021 02:36



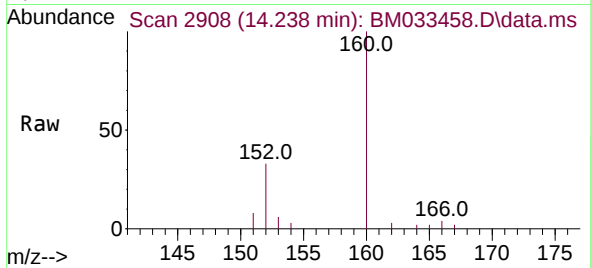
Tgt Ion:142 Resp: 169
Ion Ratio Lower Upper
142 100
141 92.9 75.0 112.4





#10
Acenaphthylene
Concen: 0.201 ng/ul
RT: 14.238 min Scan# 2908
Delta R.T. -0.019 min
Lab File: BM033458.D
Acq: 15 Dec 2021 02:36

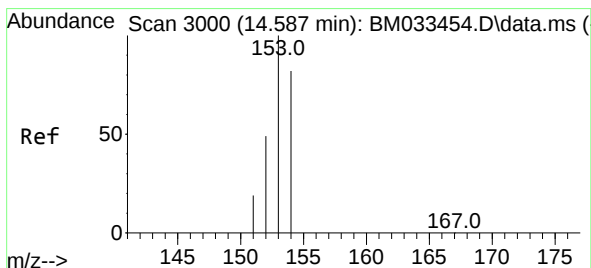
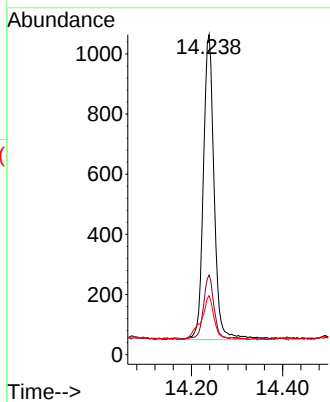
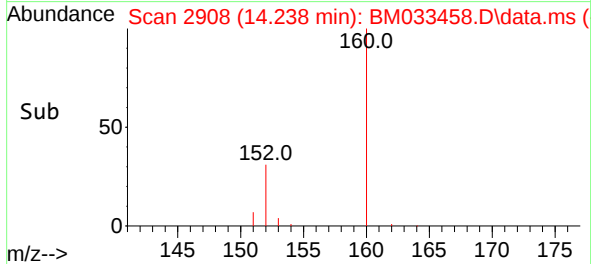
Instrument :
BNA_M
ClientSampleId :
EW5Q0



Tgt Ion	Ratio	Lower	Upper
152	100		
151	24.9	19.9	29.9
153	18.4	15.0	22.4

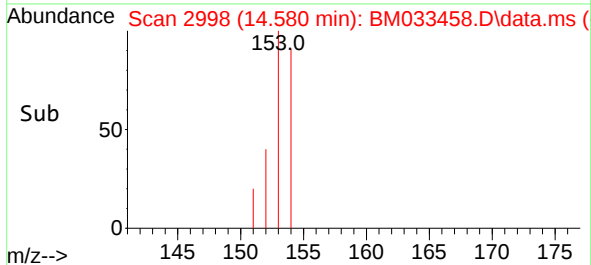
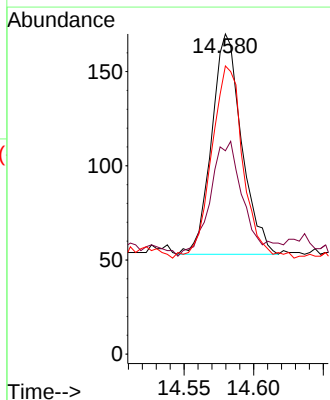
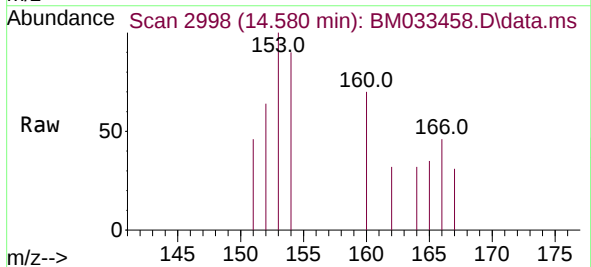
Manual Integrations
APPROVED

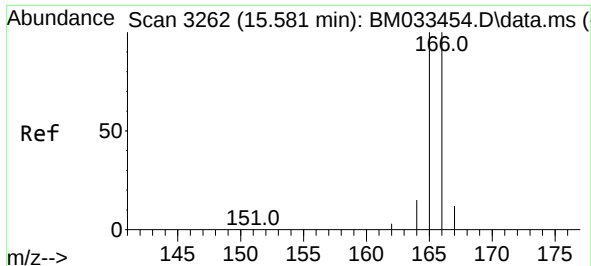
Reviewed By :Jagrut Upadhyay 12/15/2021
Supervised By :mohammad ahmed 12/24/2021



#11
Acenaphthene
Concen: 0.027 ng/ul
RT: 14.580 min Scan# 2998
Delta R.T. -0.011 min
Lab File: BM033458.D
Acq: 15 Dec 2021 02:36

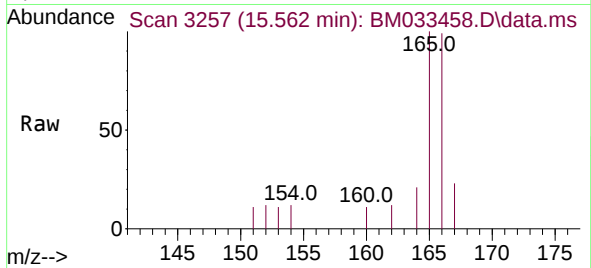
Tgt Ion	Ratio	Lower	Upper
153	100		
152	63.5	42.4	63.6
154	90.0	66.2	99.2





#12
Fluorene
Concen: 0.101 ng/u1
RT: 15.562 min Scan# 31
Delta R.T. -0.030 min
Lab File: BM033458.D
Acq: 15 Dec 2021 02:36

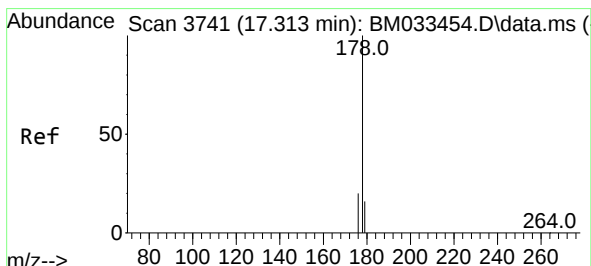
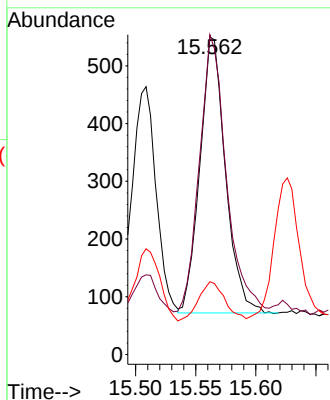
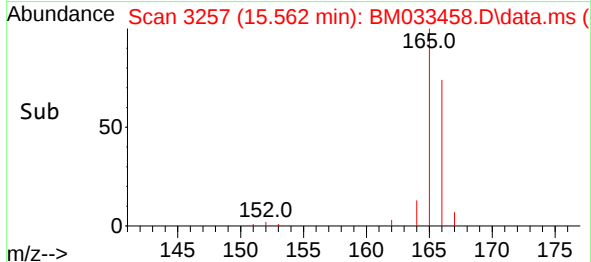
Instrument :
BNA_M
ClientSampleId :
EW5Q0



Tgt Ion:166 Resp: 70
Ion Ratio Lower Upper
166 100
165 100.7 81.1 121.7
167 22.9 14.9 22.3

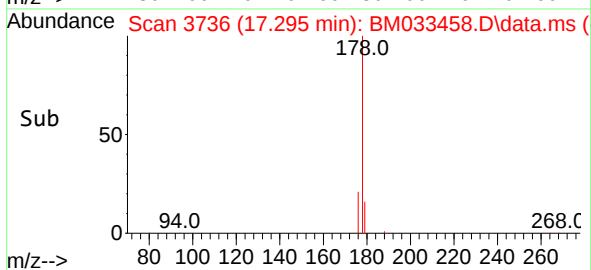
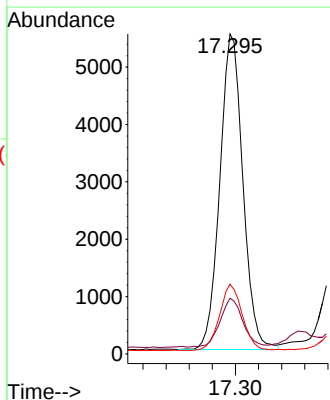
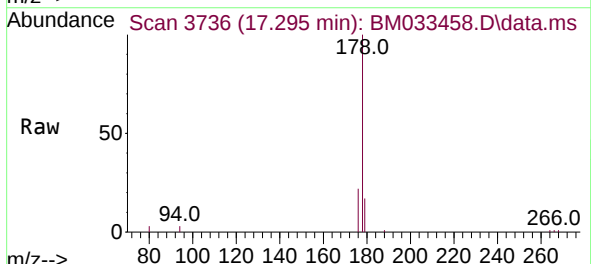
Manual Integrations
APPROVED

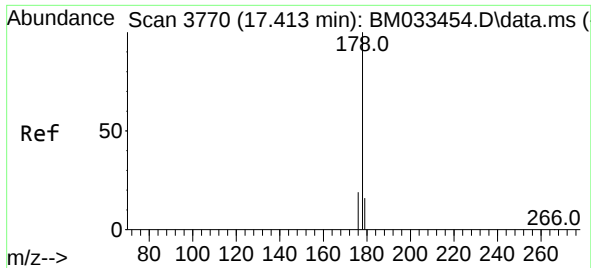
Reviewed By :Jagrut Upadhyay 12/15/2021
Supervised By :mohammad ahmed 12/24/2021



#15
Phenanthrene
Concen: 0.612 ng/u1
RT: 17.295 min Scan# 3736
Delta R.T. -0.024 min
Lab File: BM033458.D
Acq: 15 Dec 2021 02:36

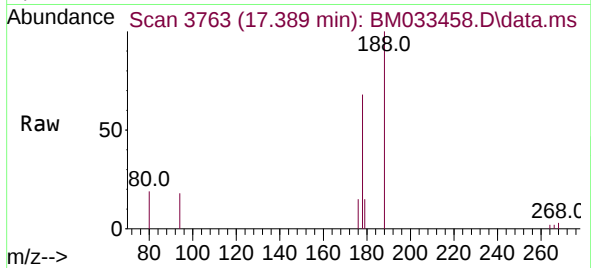
Tgt Ion:178 Resp: 7618
Ion Ratio Lower Upper
178 100
179 17.4 15.0 22.6
176 21.8 17.9 26.9





#16
 Anthracene
 Concen: 0.228 ng/ul
 RT: 17.389 min Scan# 3763
 Delta R.T. -0.035 min
 Lab File: BM033458.D
 Acq: 15 Dec 2021 02:36

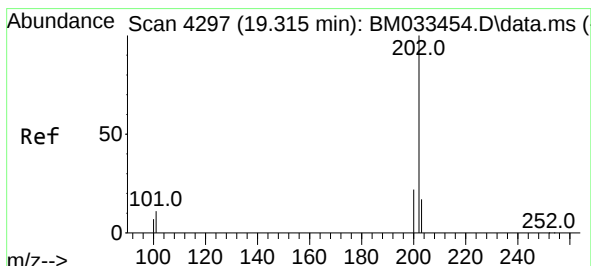
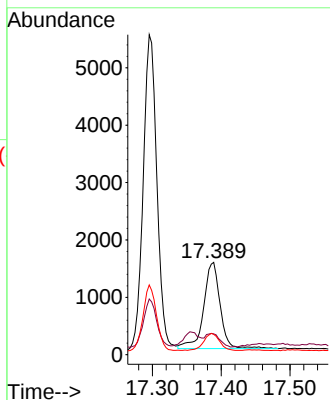
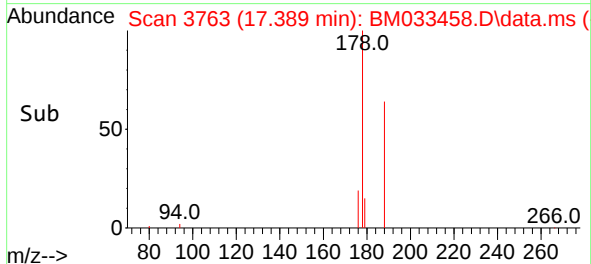
Instrument :
 BNA_M
 ClientSampleId :
 EW5Q0



Tgt Ion:178 Resp: 2510
 Ion Ratio Lower Upper
 178 100
 179 22.5 16.5 24.7
 176 22.1 18.3 27.5

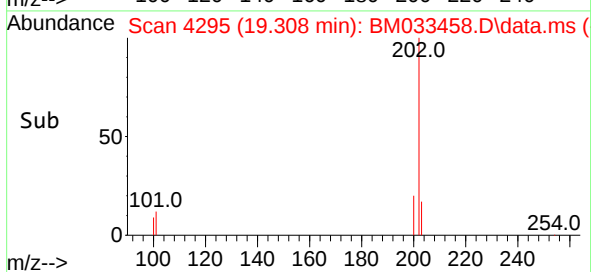
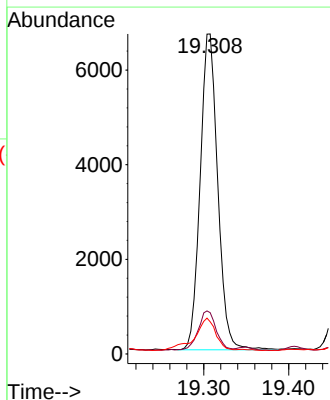
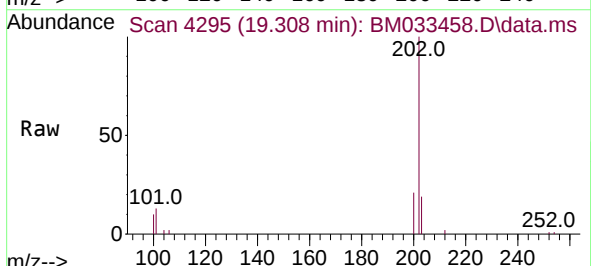
Manual Integrations
 APPROVED

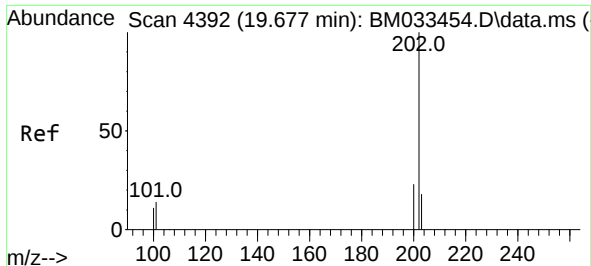
Reviewed By :Jagrut Upadhyay 12/15/2021
 Supervised By :mohammad ahmed 12/24/2021



#19
 Fluoranthene
 Concen: 0.853 ng/ul
 RT: 19.308 min Scan# 4295
 Delta R.T. -0.015 min
 Lab File: BM033458.D
 Acq: 15 Dec 2021 02:36

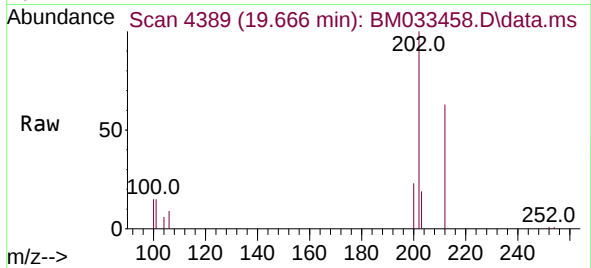
Tgt Ion:202 Resp: 9584
 Ion Ratio Lower Upper
 202 100
 101 12.9 9.2 13.8
 100 10.1 7.2 10.8





#20
Pyrene
Concen: 0.725 ng/ul
RT: 19.666 min Scan# 4392
Delta R.T. -0.019 min
Lab File: BM033458.D
Acq: 15 Dec 2021 02:36

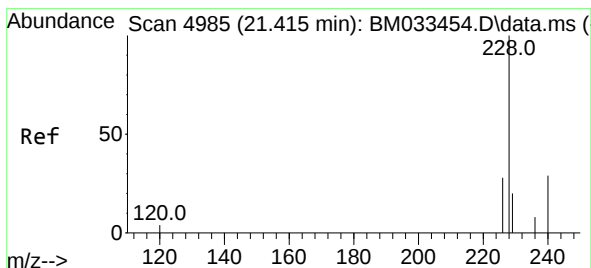
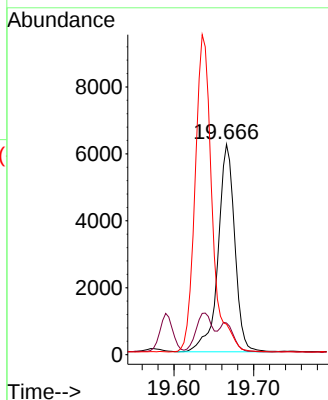
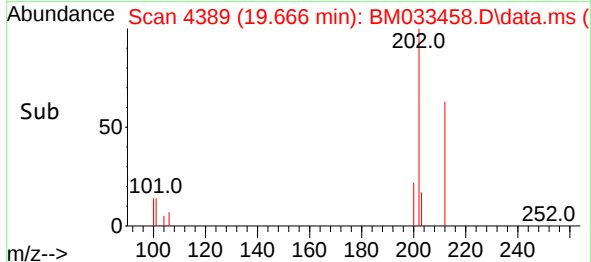
Instrument :
BNA_M
ClientSampleId :
EW5Q0



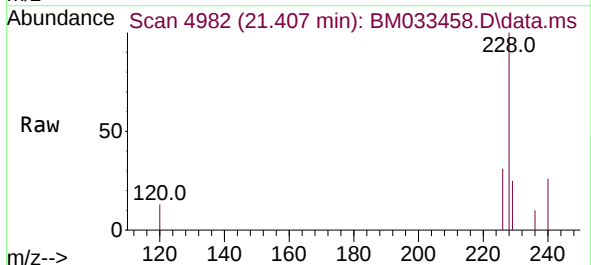
Tgt Ion:202 Resp: 8978
Ion Ratio Lower Upper
202 100
101 15.1 9.3 13.9
100 14.6 7.8 11.6

Manual Integrations
APPROVED

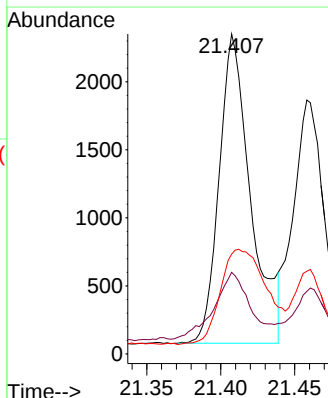
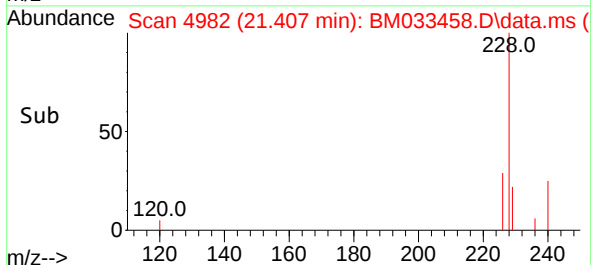
Reviewed By :Jagrut Upadhyay 12/15/2021
Supervised By :mohammad ahmed 12/24/2021

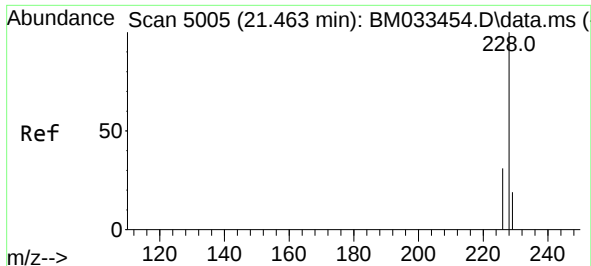


#21
Benzo(a)anthracene
Concen: 0.353 ng/ul
RT: 21.407 min Scan# 4982
Delta R.T. -0.014 min
Lab File: BM033458.D
Acq: 15 Dec 2021 02:36



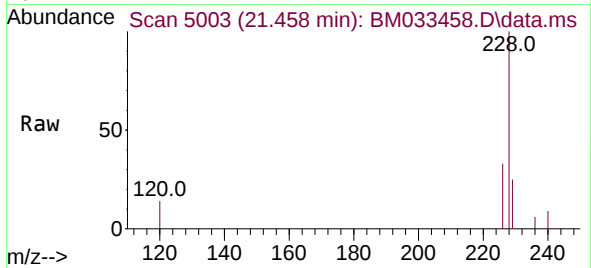
Tgt Ion:228 Resp: 3355
Ion Ratio Lower Upper
228 100
229 25.5 17.3 25.9
226 31.2 23.2 34.8





#22
Chrysene
Concen: 0.227 ng/ul
RT: 21.458 min Scan# 5003
Delta R.T. -0.014 min
Lab File: BM033458.D
Acq: 15 Dec 2021 02:36

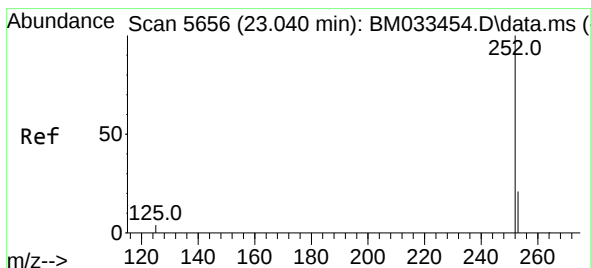
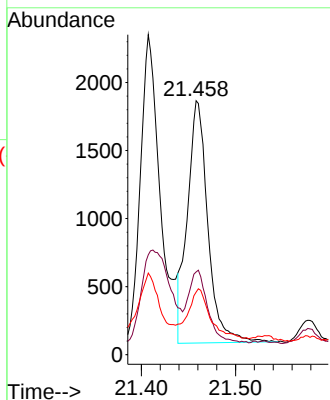
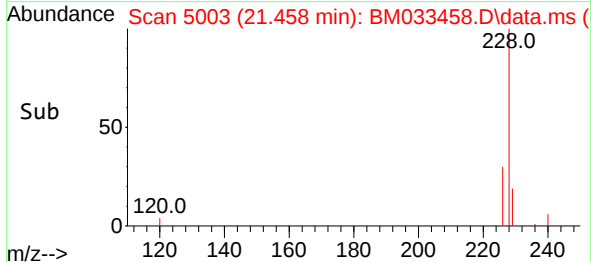
Instrument :
BNA_M
ClientSampleId :
EW5Q0



Tgt Ion:228 Resp: 2689
Ion Ratio Lower Upper
228 100
226 32.6 25.8 38.8
229 24.7 16.7 25.1

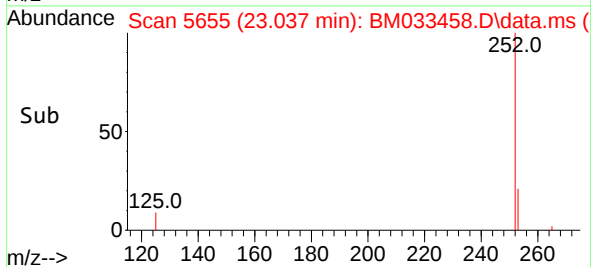
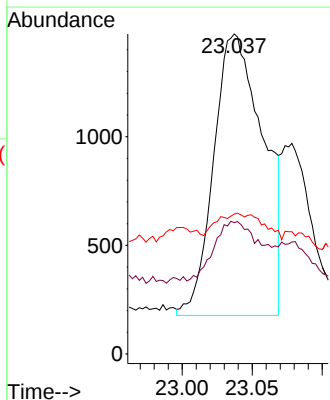
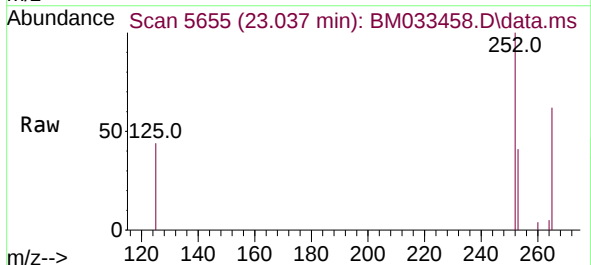
Manual Integrations
APPROVED

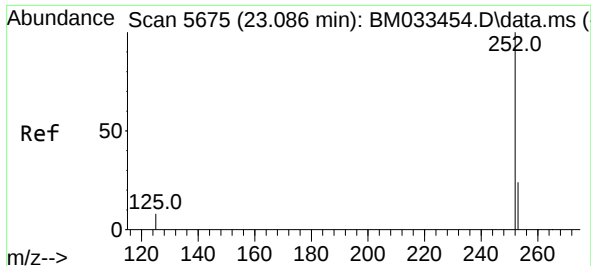
Reviewed By :Jagrut Upadhyay 12/15/2021
Supervised By :mohammad ahmed 12/24/2021



#24
Benzo(b)fluoranthene
Concen: 0.320 ng/ul m
RT: 23.037 min Scan# 5655
Delta R.T. -0.009 min
Lab File: BM033458.D
Acq: 15 Dec 2021 02:36

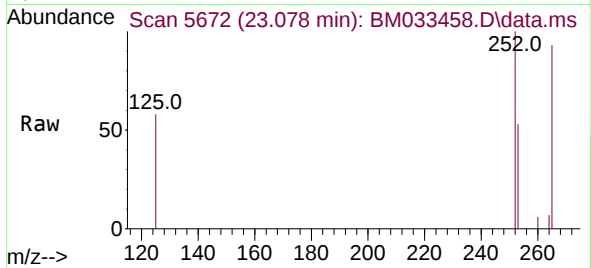
Tgt Ion:252 Resp: 3191
Ion Ratio Lower Upper
252 100
253 41.1 0.0 64.2
125 43.7 0.0 28.8#





#25
Benzo(k)fluoranthene
Concen: 0.094 ng/ul m
RT: 23.078 min Scan# 50
Delta R.T. -0.016 min
Lab File: BM033458.D
Acq: 15 Dec 2021 02:36

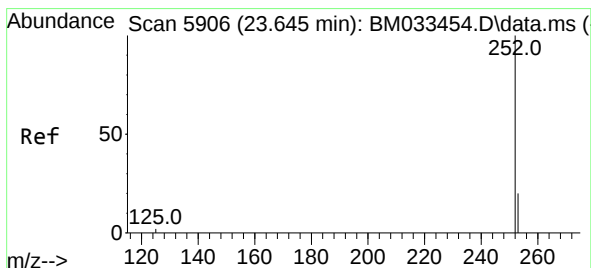
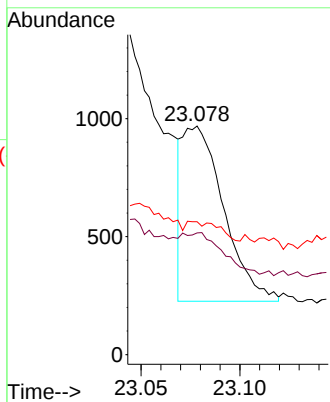
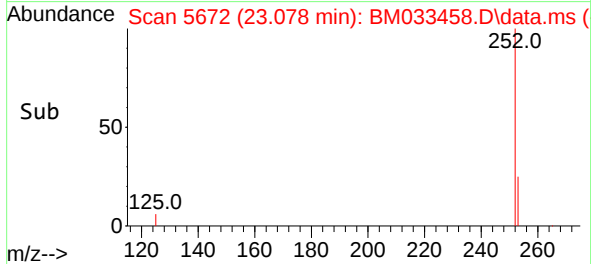
Instrument :
BNA_M
ClientSampleId :
EW5Q0



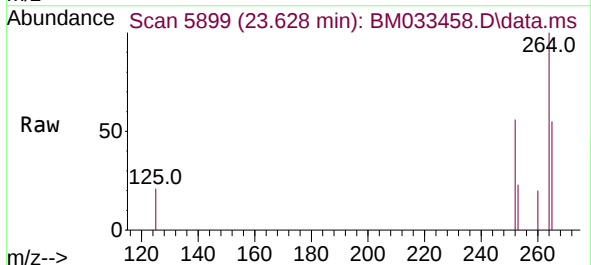
Tgt Ion:252 Resp: 1070
Ion Ratio Lower Upper
252 100
253 53.3 26.8 40.2
125 58.1 12.0 18.0

Manual Integrations
APPROVED

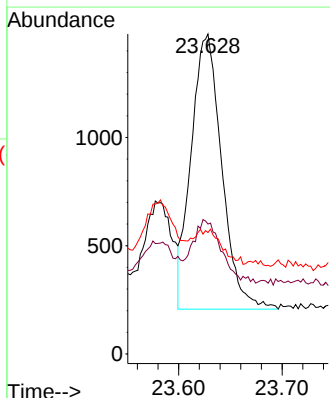
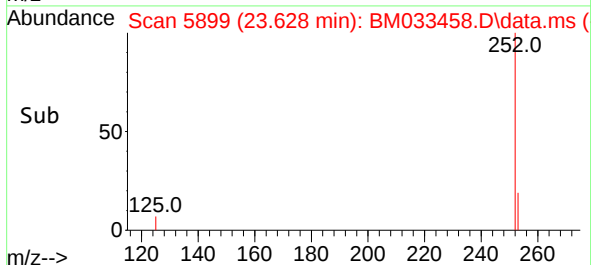
Reviewed By :Jagrut Upadhyay 12/15/2021
Supervised By :mohammad ahmed 12/24/2021

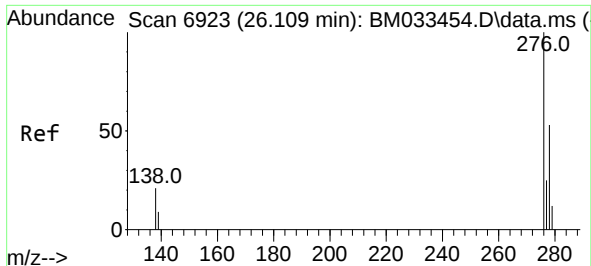


#26
Benzo(a)pyrene
Concen: 0.272 ng/ul
RT: 23.628 min Scan# 5899
Delta R.T. -0.026 min
Lab File: BM033458.D
Acq: 15 Dec 2021 02:36



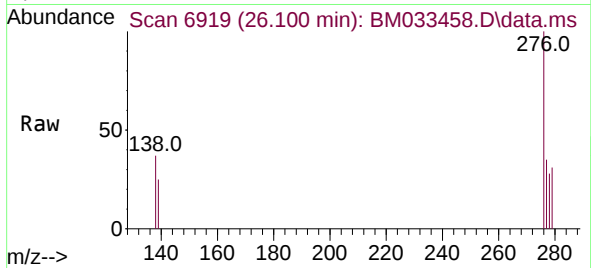
Tgt Ion:252 Resp: 2613
Ion Ratio Lower Upper
252 100
253 40.6 32.0 48.0
125 38.0 14.5 21.7#





#27
Indeno(1,2,3-cd)pyrene
Concen: 0.123 ng/ul
RT: 26.100 min Scan# 6919
Delta R.T. -0.021 min
Lab File: BM033458.D
Acq: 15 Dec 2021 02:36

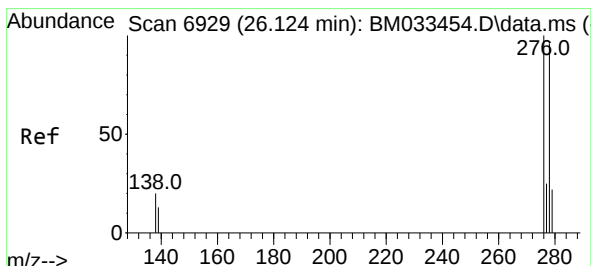
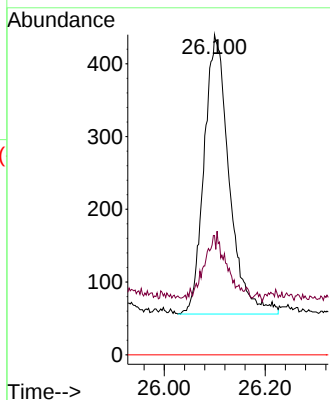
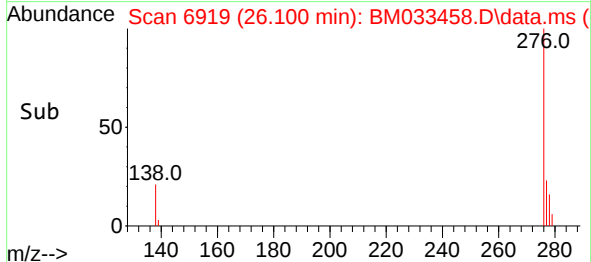
Instrument :
BNA_M
ClientSampleId :
EW5Q0



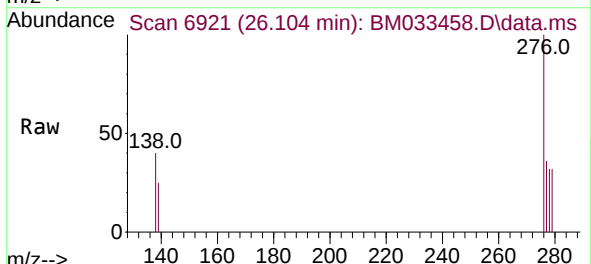
Tgt Ion:276 Resp: 132
Ion Ratio Lower Upper
276 100
138 19.8 15.8 23.6
227 0.0 0.0 0.0

Manual Integrations
APPROVED

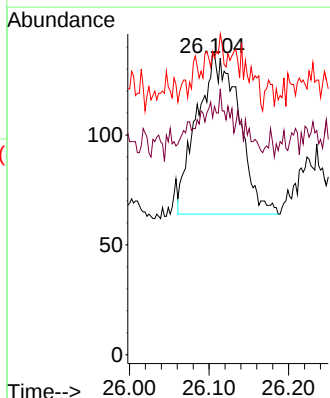
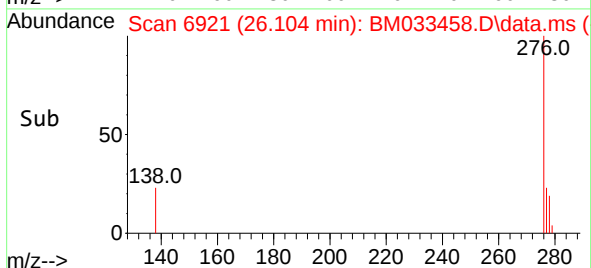
Reviewed By :Jagrut Upadhyay 12/15/2021
Supervised By :mohammad ahmed 12/24/2021

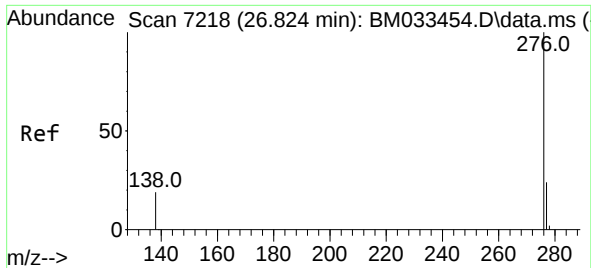


#28
Dibenzo(a,h)anthracene
Concen: 0.030 ng/ul
RT: 26.104 min Scan# 6921
Delta R.T. -0.043 min
Lab File: BM033458.D
Acq: 15 Dec 2021 02:36



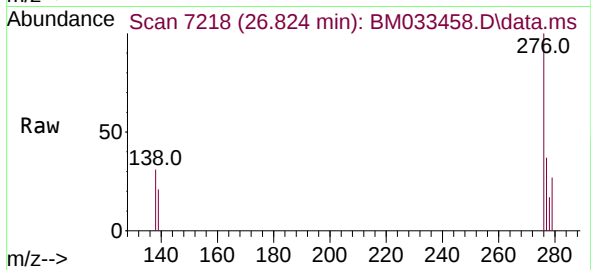
Tgt Ion:278 Resp: 268
Ion Ratio Lower Upper
278 100
139 78.8 18.0 27.0#
279 100.7 28.6 42.8#





#29
Benzo(g,h,i)perylene
Concen: 0.137 ng/ul
RT: 26.824 min Scan# 7218
Delta R.T. -0.016 min
Lab File: BM033458.D
Acq: 15 Dec 2021 02:36

Instrument :
BNA_M
ClientSampleId :
EW5Q0



Tgt Ion:	276	Resp:	132
Ion Ratio	Lower	Upper	
276	100		
138	31.2	17.4	26.0
277	37.4	22.6	33.8

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/15/2021
Supervised By :mohammad ahmed 12/24/2021

