

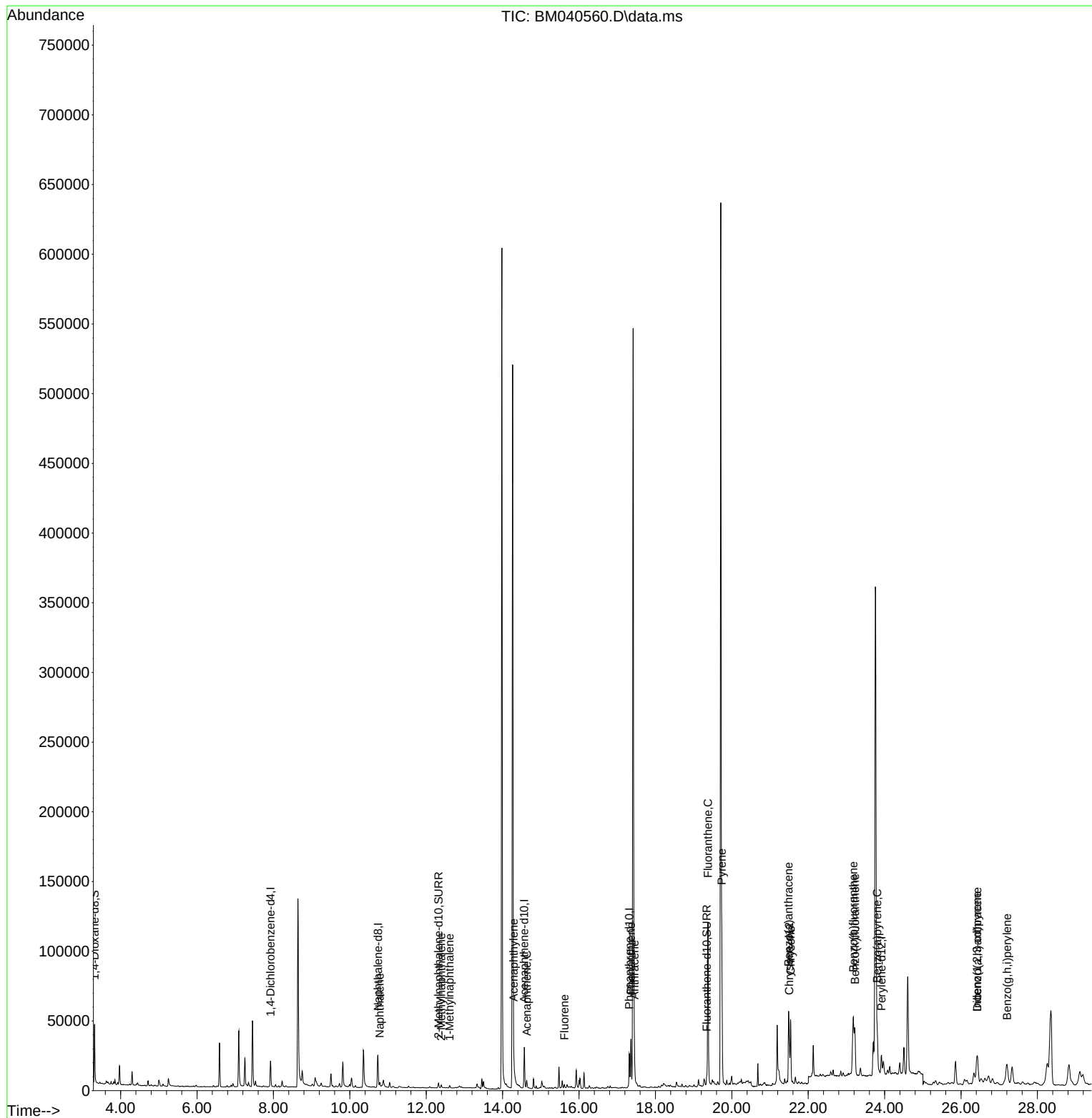
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070123\
Data File : BM040560.D
Acq On : 03 Jul 2023 04:06
Operator : MA/JU
Sample : 03245-05
Misc :
ALS Vial : 65 Sample Multiplier: 1

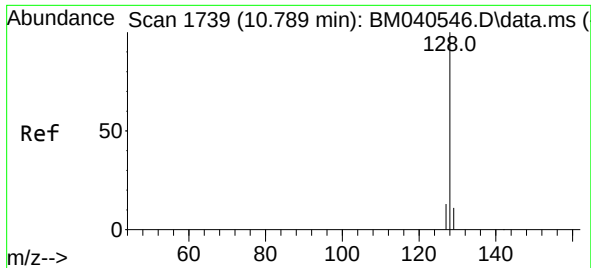
Instrument :
BNA_M
ClientSampleId :
DCGG3

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/03/2023

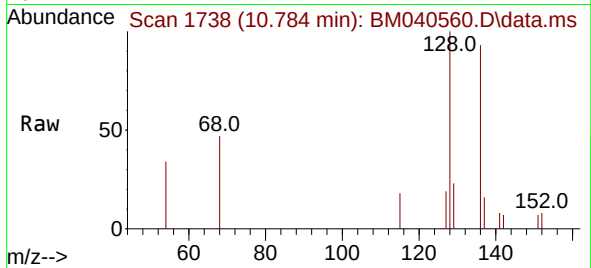
Quant Time: Jul 03 06:50:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 01 03:00:05 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.031 ng/ul
RT: 10.784 min Scan# 1738
Delta R.T. -0.011 min
Lab File: BM040560.D
Acq: 03 Jul 2023 04:06

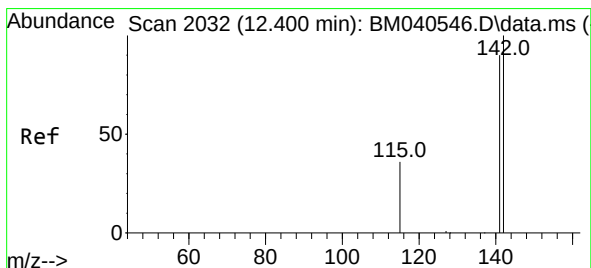
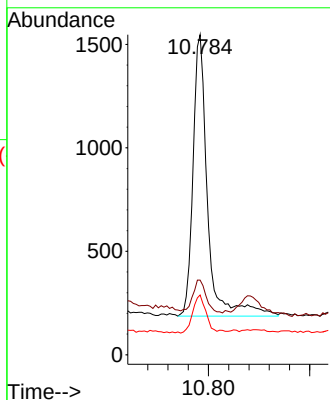
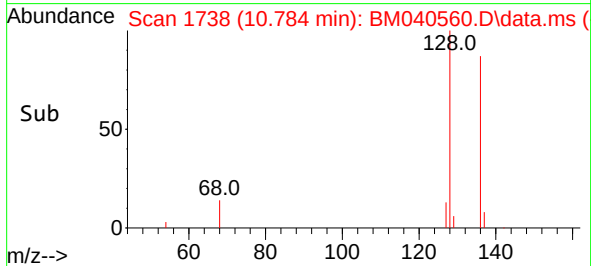
Instrument :
BNA_M
ClientSampleId :
DCGG3



Tgt Ion:128 Resp: 270
Ion Ratio Lower Upper
128 100
129 23.3 9.2 13.8
127 18.7 10.6 15.8

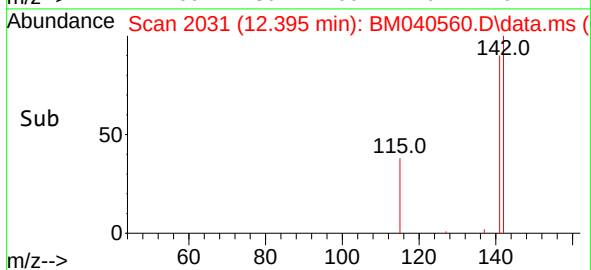
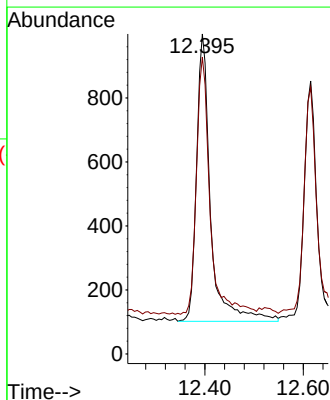
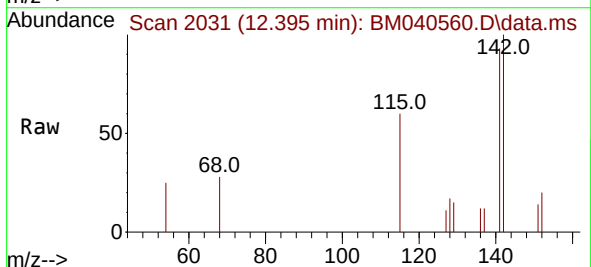
Manual Integrations
APPROVED

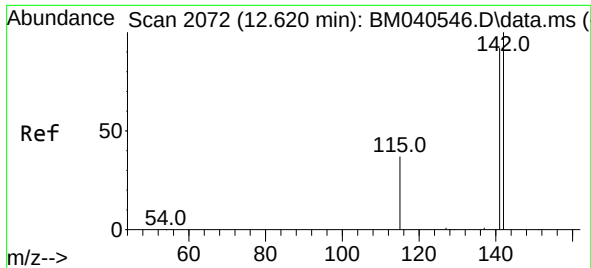
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/03/2023



#7
2-Methylnaphthalene
Concen: 0.034 ng/ul
RT: 12.395 min Scan# 2031
Delta R.T. -0.011 min
Lab File: BM040560.D
Acq: 03 Jul 2023 04:06

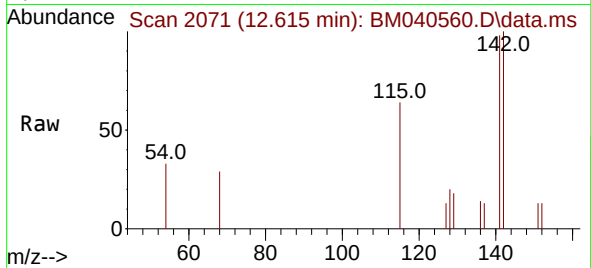
Tgt Ion:142 Resp: 1767
Ion Ratio Lower Upper
142 100
141 86.7 71.9 107.9





#8
1-Methylnaphthalene
Concen: 0.026 ng/ul
RT: 12.615 min Scan# 2071
Delta R.T. -0.011 min
Lab File: BM040560.D
Acq: 03 Jul 2023 04:06

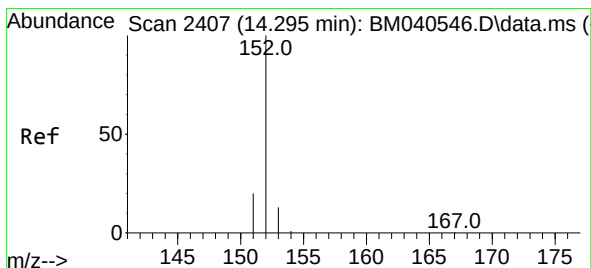
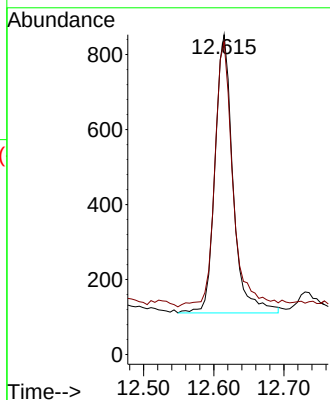
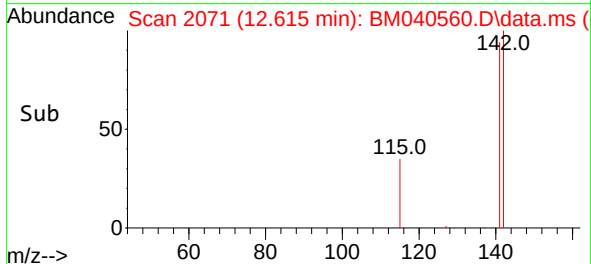
Instrument :
BNA_M
ClientSampleId :
DCGG3



Tgt Ion:142 Resp: 1319
Ion Ratio Lower Upper
142 100
141 96.6 73.7 110.5

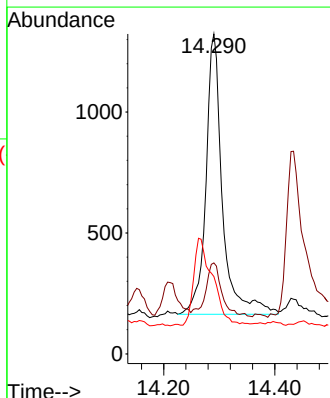
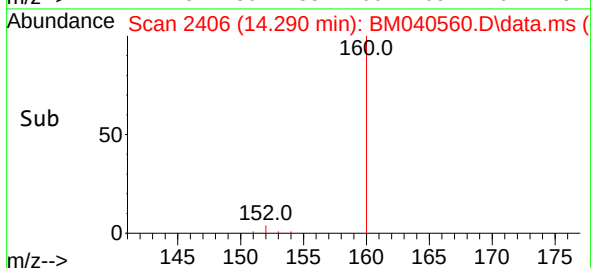
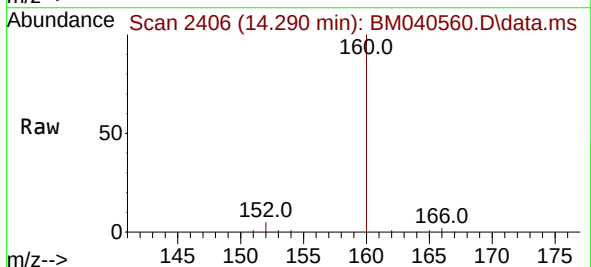
Manual Integrations
APPROVED

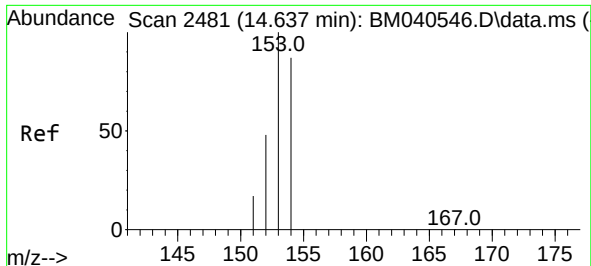
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/03/2023



#10
Acenaphthylene
Concen: 0.032 ng/ul
RT: 14.290 min Scan# 2406
Delta R.T. -0.009 min
Lab File: BM040560.D
Acq: 03 Jul 2023 04:06

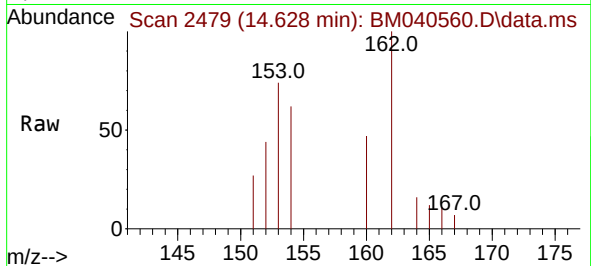
Tgt Ion:152 Resp: 2394
Ion Ratio Lower Upper
152 100
151 28.4 16.2 24.2#
153 24.2 10.9 16.3#





#11
Acenaphthene
Concen: 0.030 ng/ul
RT: 14.628 min Scan# 2479
Delta R.T. -0.014 min
Lab File: BM040560.D
Acq: 03 Jul 2023 04:06

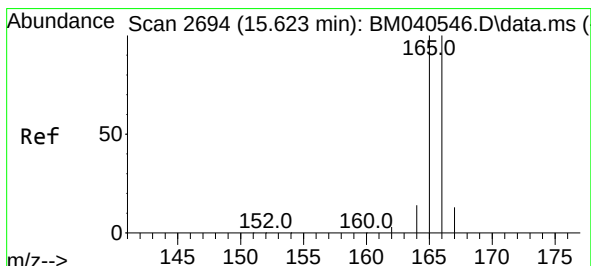
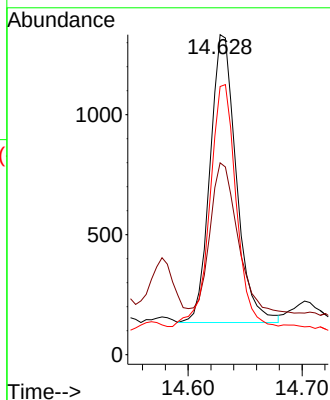
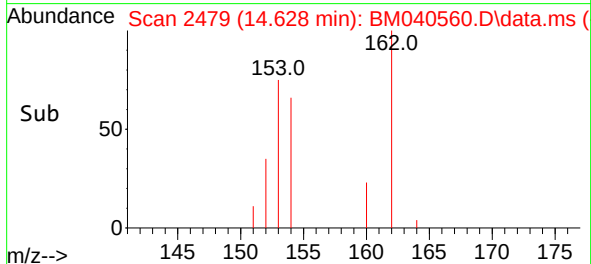
Instrument :
BNA_M
ClientSampleId :
DCGG3



Tgt Ion:153 Resp: 191
Ion Ratio Lower Upper
153 100
152 59.9 41.0 61.4
154 83.8 70.8 106.2

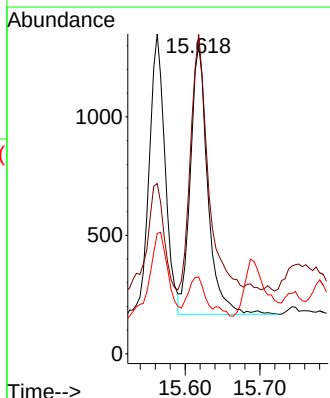
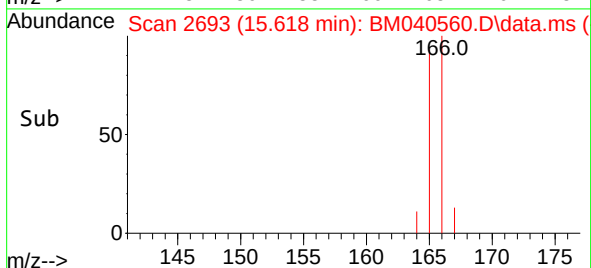
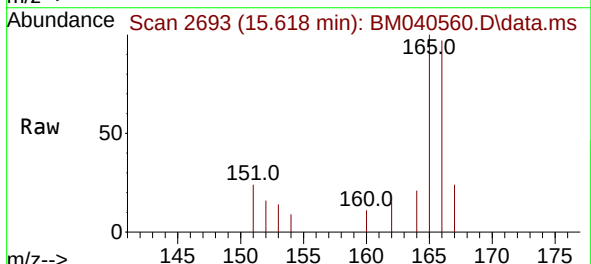
Manual Integrations
APPROVED

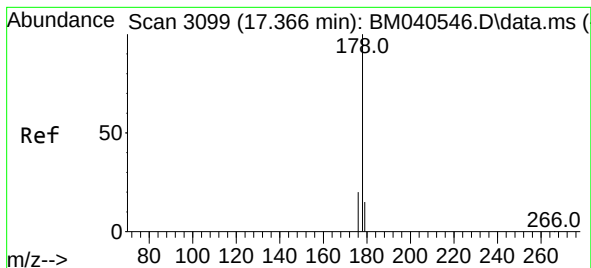
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/03/2023



#12
Fluorene
Concen: 0.027 ng/ul
RT: 15.618 min Scan# 2693
Delta R.T. -0.014 min
Lab File: BM040560.D
Acq: 03 Jul 2023 04:06

Tgt Ion:166 Resp: 1823
Ion Ratio Lower Upper
166 100
165 103.5 79.6 119.4
167 24.8 11.4 17.0#





#15

Phenanthrene

Concen: 0.423 ng/u1

RT: 17.358 min Scan# 3099

Delta R.T. -0.012 min

Lab File: BM040560.D

Acq: 03 Jul 2023 04:06

Instrument :

BNA_M

ClientSampleId :

DCGG3

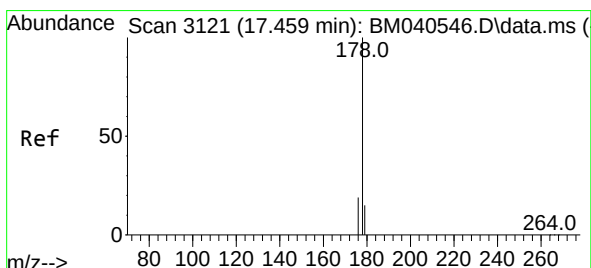
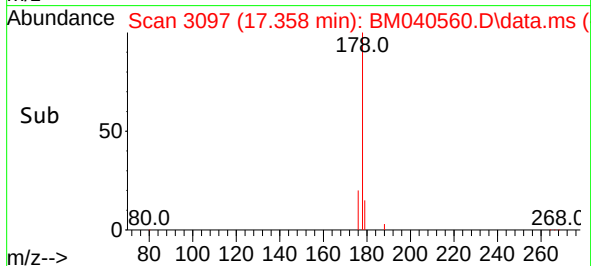
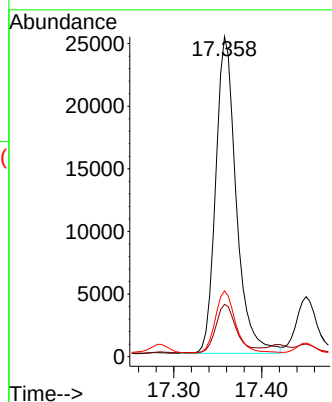
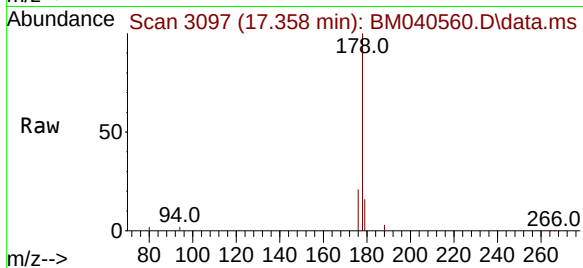
Tgt Ion:178	Resp:	4102
Ion Ratio	Lower	Upper
178	100	
179	16.4	12.8 19.2
176	20.6	16.4 24.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/03/2023

Supervised By :mohammad ahmed 07/03/2023



#16

Anthracene

Concen: 0.096 ng/u1

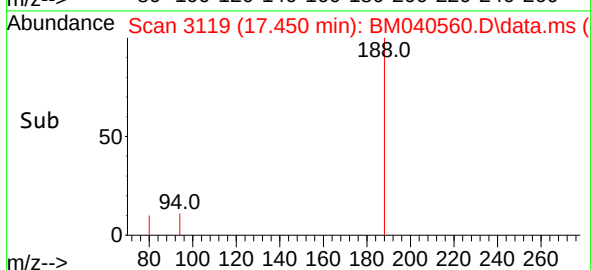
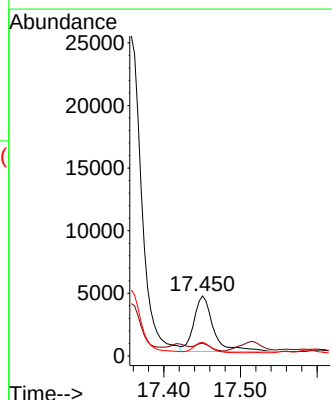
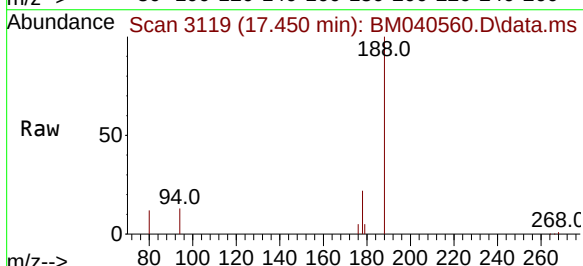
RT: 17.450 min Scan# 3119

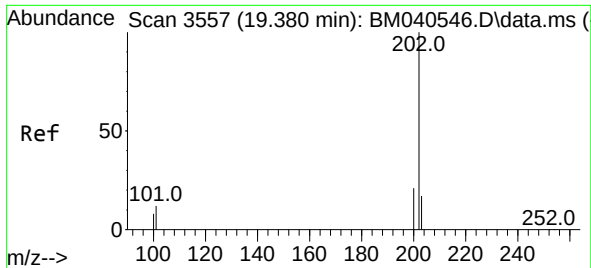
Delta R.T. -0.012 min

Lab File: BM040560.D

Acq: 03 Jul 2023 04:06

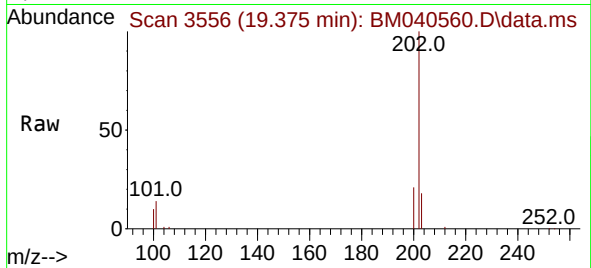
Tgt Ion:178	Resp:	7839
Ion Ratio	Lower	Upper
178	100	
179	21.0	12.9 19.3#
176	22.8	15.8 23.6





#19
Fluoranthene
Concen: 1.315 ng/ul
RT: 19.375 min Scan# 3557
Delta R.T. -0.009 min
Lab File: BM040560.D
Acq: 03 Jul 2023 04:06

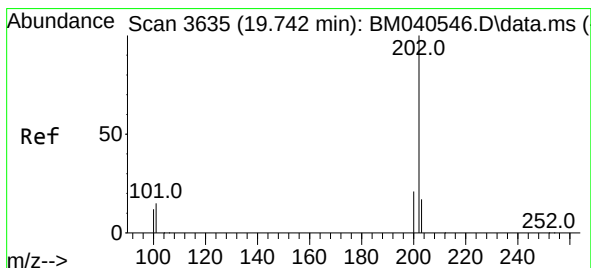
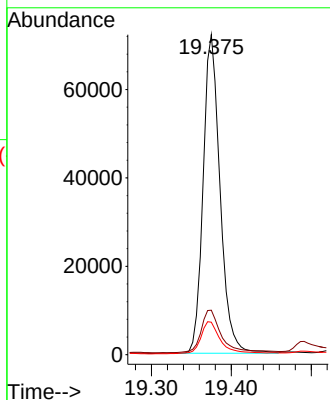
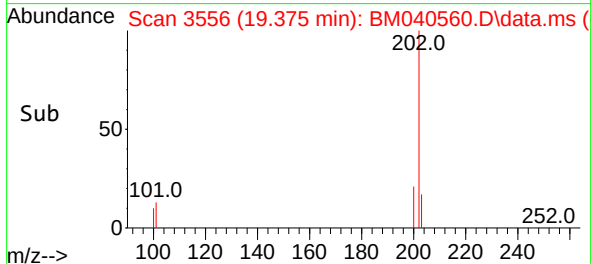
Instrument :
BNA_M
ClientSampleId :
DCGG3



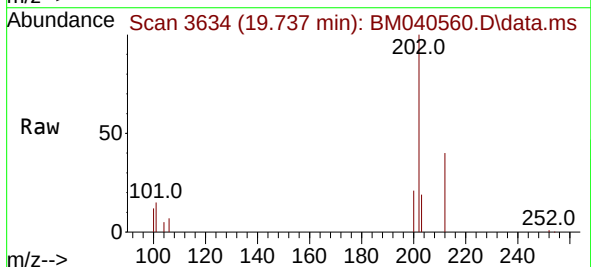
Tgt Ion:202 Resp: 106220
Ion Ratio Lower Upper
202 100
101 13.9 11.4 17.0
100 10.1 8.7 13.1

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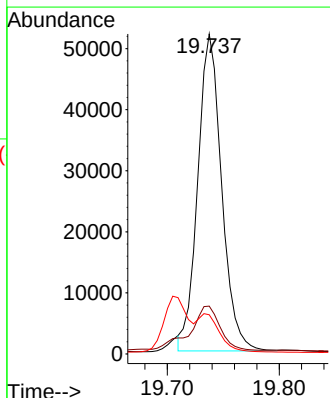
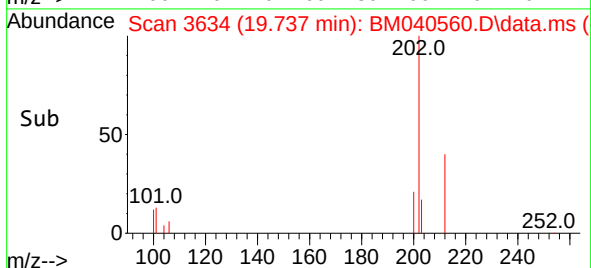
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/03/2023

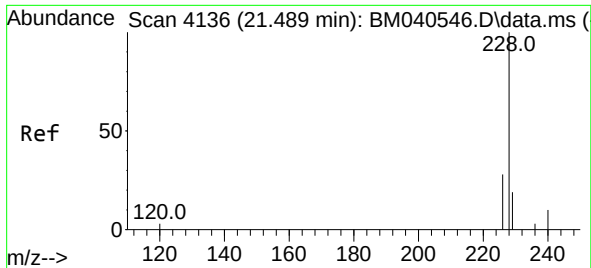


#20
Pyrene
Concen: 0.889 ng/ul m
RT: 19.737 min Scan# 3634
Delta R.T. -0.009 min
Lab File: BM040560.D
Acq: 03 Jul 2023 04:06



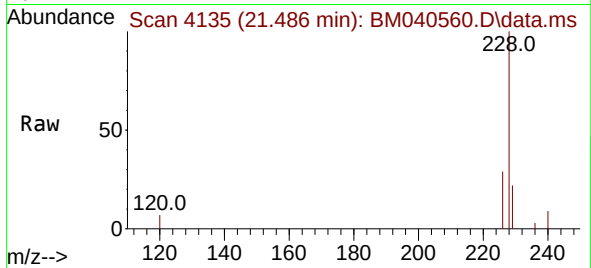
Tgt Ion:202 Resp: 76963
Ion Ratio Lower Upper
202 100
101 15.0 12.6 18.8
100 12.3 9.8 14.6





#21
Benzo(a)anthracene
Concen: 0.739 ng/ul
RT: 21.486 min Scan# 4135
Delta R.T. -0.006 min
Lab File: BM040560.D
Acq: 03 Jul 2023 04:06

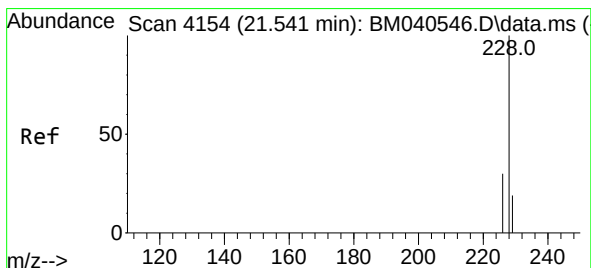
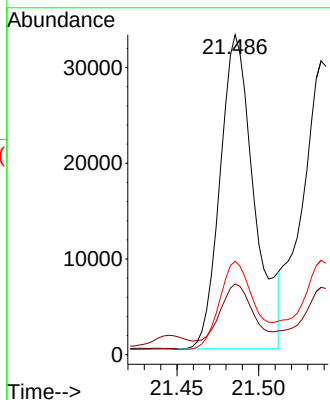
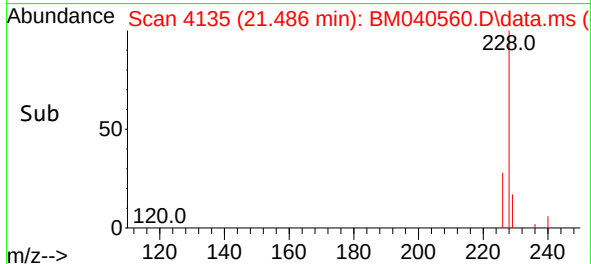
Instrument :
BNA_M
ClientSampleId :
DCGG3



Tgt Ion:228 Resp: 4754
Ion Ratio Lower Upper
228 100
229 22.1 16.0 24.0
226 29.2 22.3 33.5

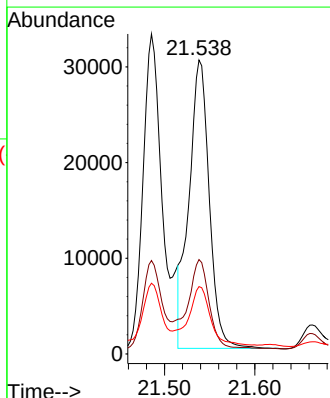
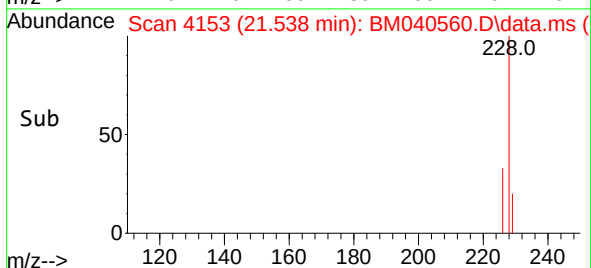
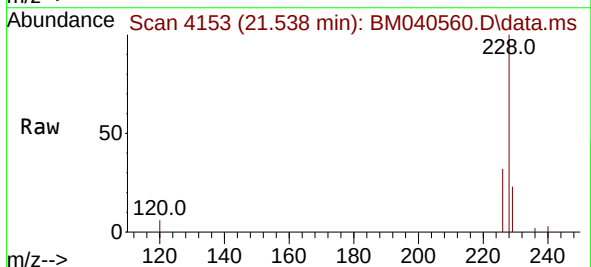
Manual Integrations
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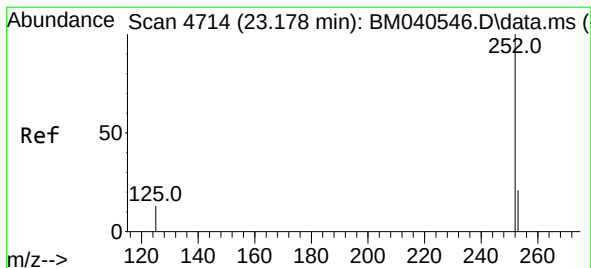
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/03/2023



#22
Chrysene
Concen: 0.643 ng/ul
RT: 21.538 min Scan# 4153
Delta R.T. -0.006 min
Lab File: BM040560.D
Acq: 03 Jul 2023 04:06

Tgt Ion:228 Resp: 47130
Ion Ratio Lower Upper
228 100
226 32.1 24.9 37.3
229 22.9 15.8 23.6





#24

Benzo(b)fluoranthene

Concen: 1.035 ng/ul

RT: 23.181 min Scan# 4715

Delta R.T. 0.000 min

Lab File: BM040560.D

Acq: 03 Jul 2023 04:06

Instrument :

BNA_M

ClientSampleId :

DCGG3

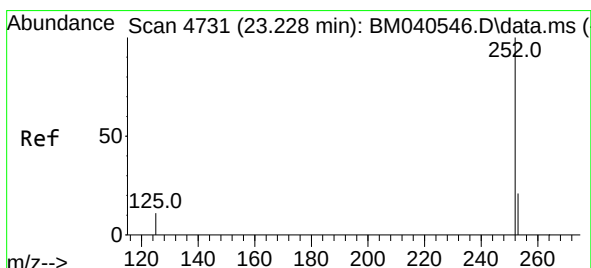
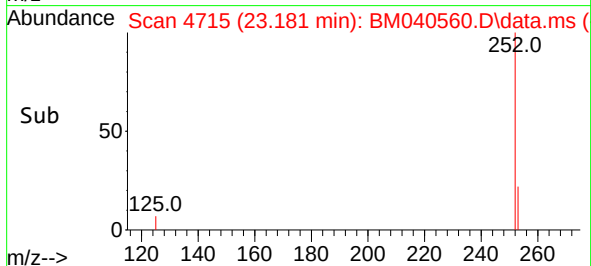
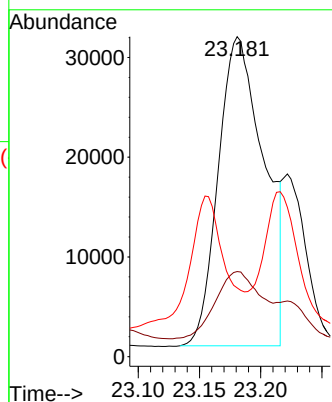
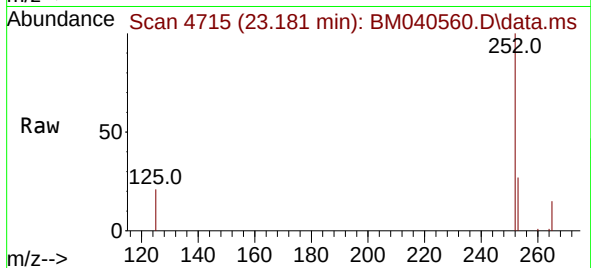
Tgt Ion:252 Resp: 80795
 Ion Ratio Lower Upper
 252 100
 253 26.6 0.0 52.8
 125 21.5 0.0 43.0

Manual Integrations

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Reviewed By :Yogesh Patel 07/03/2023

Supervised By :mohammad ahmed 07/03/2023



#25

Benzo(k)fluoranthene

Concen: 0.300 ng/ul m

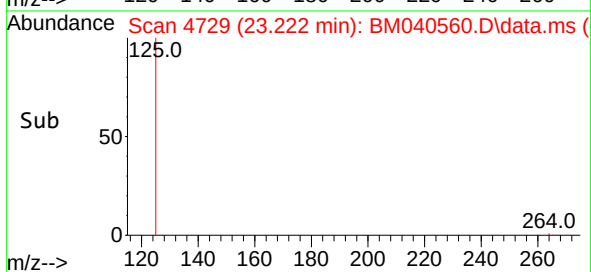
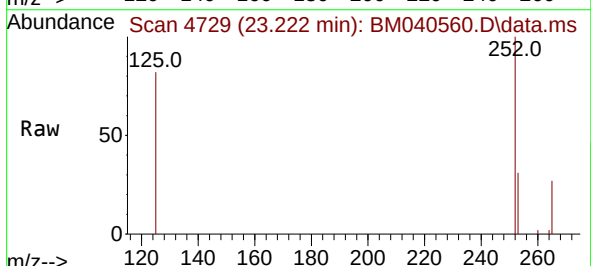
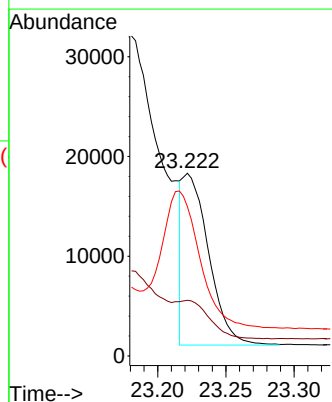
RT: 23.222 min Scan# 4729

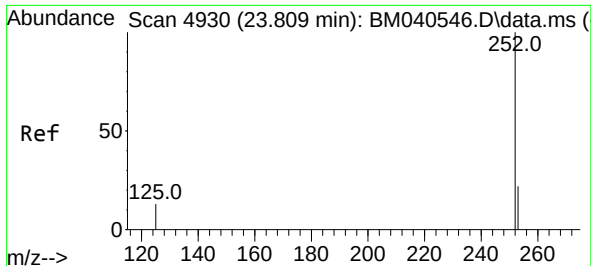
Delta R.T. -0.006 min

Lab File: BM040560.D

Acq: 03 Jul 2023 04:06

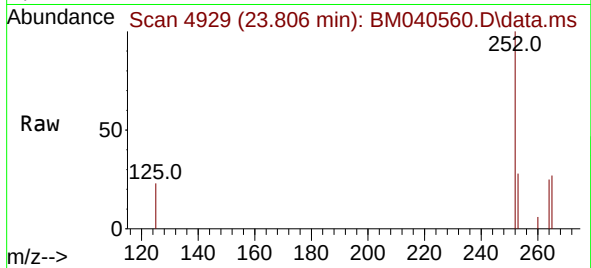
Tgt Ion:252 Resp: 23101
 Ion Ratio Lower Upper
 252 100
 253 30.5 21.2 31.8
 125 81.7 16.4 24.6#





#26
Benzo(a)pyrene
Concen: 0.641 ng/ul
RT: 23.806 min Scan# 4929
Delta R.T. -0.006 min
Lab File: BM040560.D
Acq: 03 Jul 2023 04:06

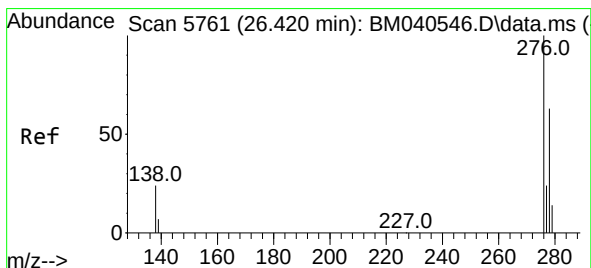
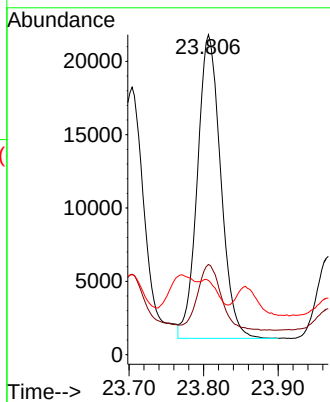
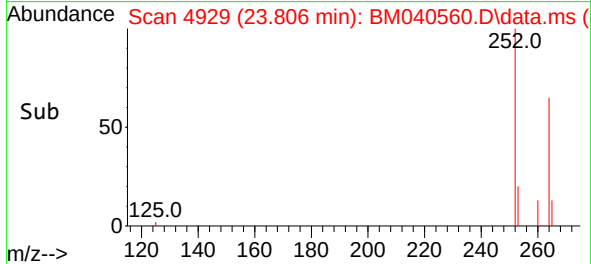
Instrument :
BNA_M
ClientSampleId :
DCGG3



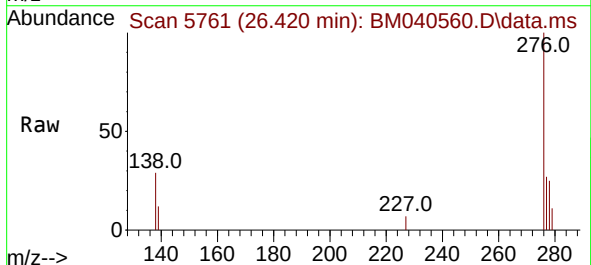
Tgt Ion:252 Resp: 45058
Ion Ratio Lower Upper
252 100
253 28.2 22.9 34.3
125 23.2 21.0 31.4

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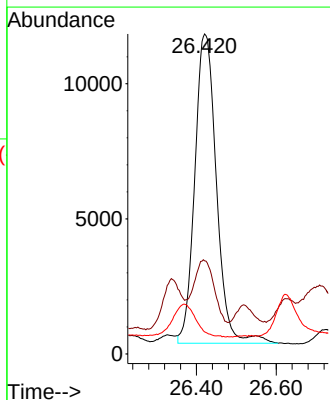
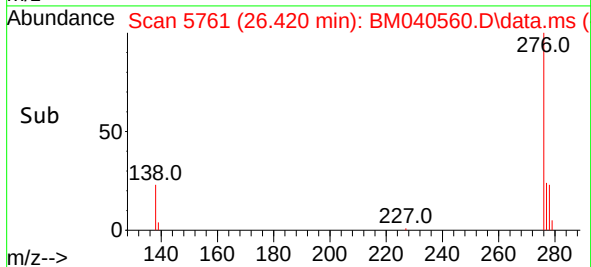
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/03/2023

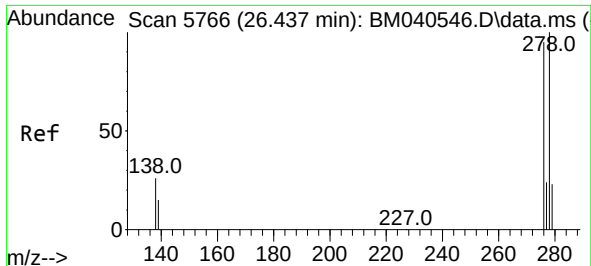


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.441 ng/ul
RT: 26.420 min Scan# 5761
Delta R.T. 0.000 min
Lab File: BM040560.D
Acq: 03 Jul 2023 04:06



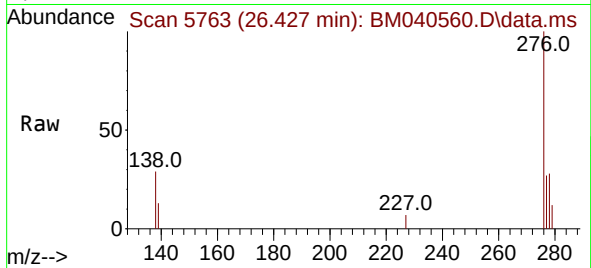
Tgt Ion:276 Resp: 43133
Ion Ratio Lower Upper
276 100
138 19.4 24.5 36.7#
227 0.0 0.1 0.1#





#28
Dibenzo(a,h)anthracene
Concen: 0.147 ng/ul
RT: 26.427 min Scan# 51
Delta R.T. -0.010 min
Lab File: BM040560.D
Acq: 03 Jul 2023 04:06

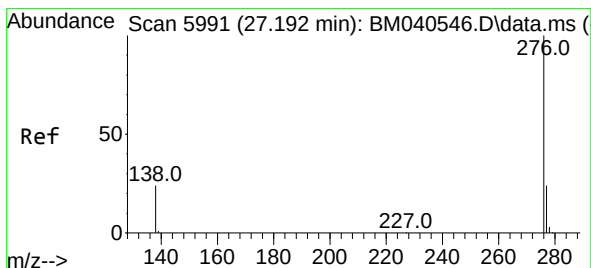
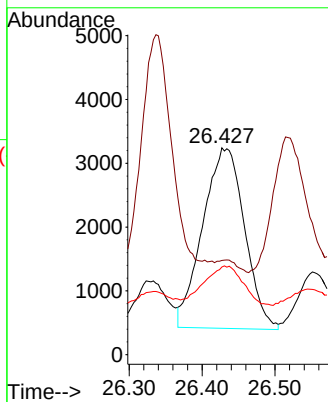
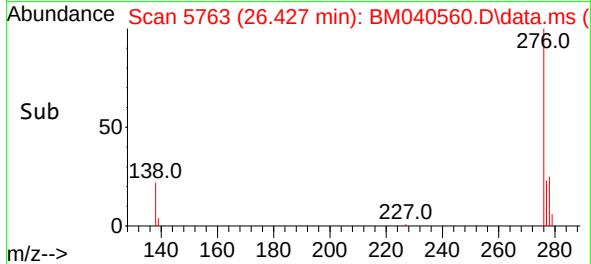
Instrument :
BNA_M
ClientSampleId :
DCGG3



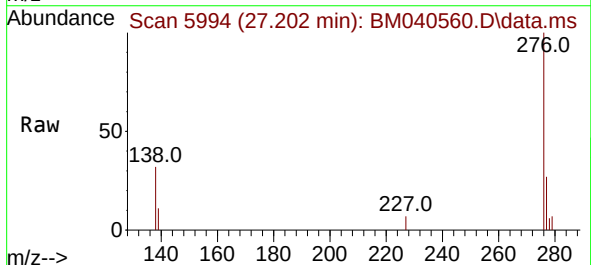
Tgt Ion:278 Resp: 1129
Ion Ratio Lower Upper
278 100
139 45.6 17.9 26.9
279 42.4 22.0 33.0

Manual Integrations
APPROVED

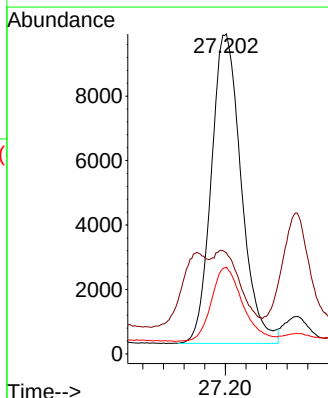
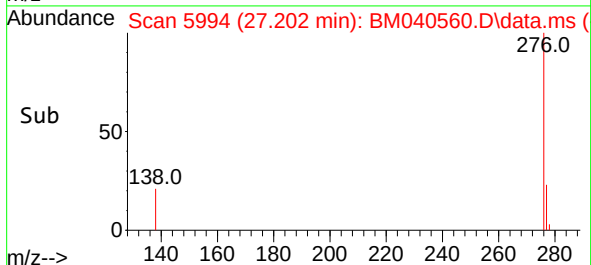
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/03/2023



#29
Benzo(g,h,i)perylene
Concen: 0.450 ng/ul
RT: 27.202 min Scan# 5994
Delta R.T. 0.017 min
Lab File: BM040560.D
Acq: 03 Jul 2023 04:06



Tgt Ion:276 Resp: 38655
Ion Ratio Lower Upper
276 100
138 31.6 23.0 34.6
277 27.1 20.3 30.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070123\
 Data File : BM040560.D
 Acq On : 03 Jul 2023 04:06
 Operator : MA/JU
 Sample : 03245-05
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCGG3

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/03/2023
 Supervised By :mohammad ahmed 07/03/2023

Quant Time: Jul 03 06:50:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 01 03:00:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.924	152	9865	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.734	136	31929	0.400	ng/ul	#-0.01
9) Acenaphthene-d10	14.568	164	16793	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.315	188	31238	0.400	ng/ul	#-0.01
17) Chrysene-d12	21.503	240	19010	0.400	ng/ul	0.00
23) Perylene-d12	23.918	264	20168	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.316	96	22850	1.475	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.323	152	5570	0.124	ng/ul	-0.01
18) Fluoranthene-d10	19.342	212	7484	0.123	ng/ul	-0.01
Target Compounds						
					Qvalue	
5) Naphthalene	10.784	128	2702	0.031	ng/ul#	78
7) 2-Methylnaphthalene	12.395	142	1767	0.034	ng/ul	97
8) 1-Methylnaphthalene	12.615	142	1319	0.026	ng/ul	95
10) Acenaphthylene	14.290	152	2394	0.032	ng/ul#	79
11) Acenaphthene	14.628	153	1917	0.030	ng/ul	92
12) Fluorene	15.618	166	1823	0.027	ng/ul#	93
15) Phenanthrene	17.358	178	41025	0.423	ng/ul	100
16) Anthracene	17.450	178	7839	0.096	ng/ul#	91
19) Fluoranthene	19.375	202	106220	1.315	ng/ul	99
20) Pyrene	19.737	202	76963m	0.889	ng/ul	
21) Benzo(a)anthracene	21.486	228	47543	0.739	ng/ul	97
22) Chrysene	21.538	228	47130	0.643	ng/ul	96
24) Benzo(b)fluoranthene	23.181	252	80795	1.035	ng/ul	100
25) Benzo(k)fluoranthene	23.222	252	23101m	0.300	ng/ul	
26) Benzo(a)pyrene	23.806	252	45058	0.641	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	26.420	276	43133	0.441	ng/ul#	80
28) Dibenzo(a,h)anthracene	26.427	278	11291	0.147	ng/ul#	63
29) Benzo(g,h,i)perylene	27.202	276	38655	0.450	ng/ul	96

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