

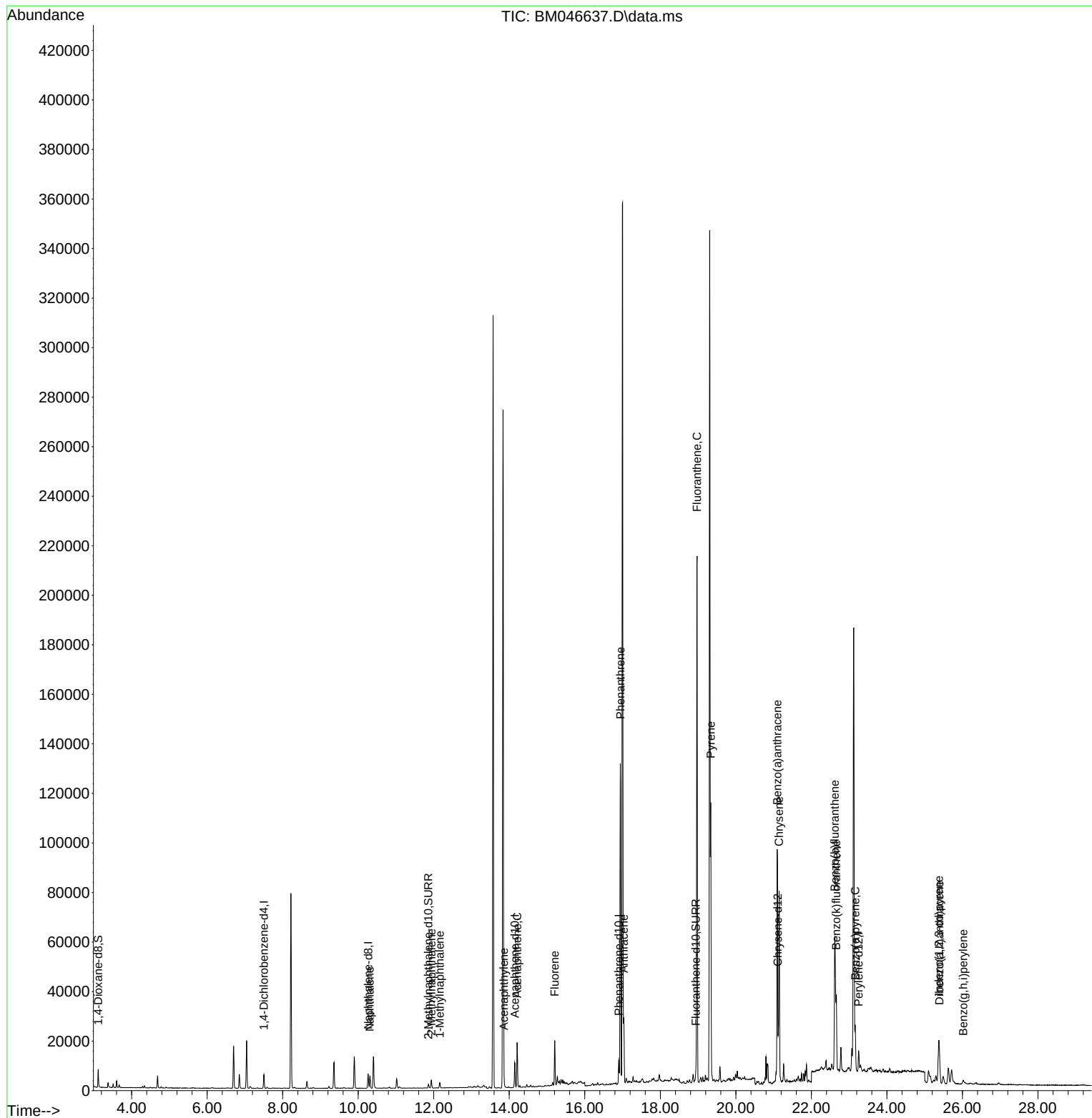
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071524\
Data File : BM046637.D
Acq On : 16 Jul 2024 17:35
Operator : MA/JU
Sample : P3177-05
Misc :
ALS Vial : 49 Sample Multiplier: 1

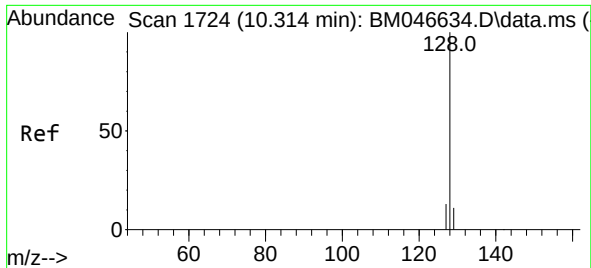
Instrument :
BNA_M
ClientSampleId :
A4BS3

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/18/2024

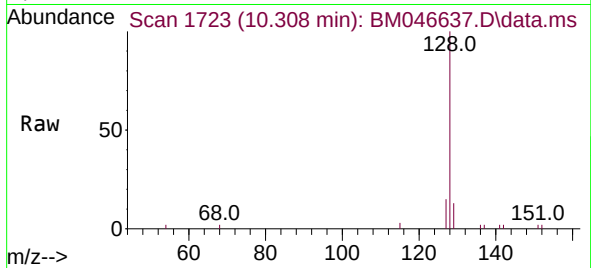
Quant Time: Jul 16 18:07:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 15 08:57:27 2024
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.331 ng/ul
RT: 10.308 min Scan# 1723
Delta R.T. -0.007 min
Lab File: BM046637.D
Acq: 16 Jul 2024 17:35

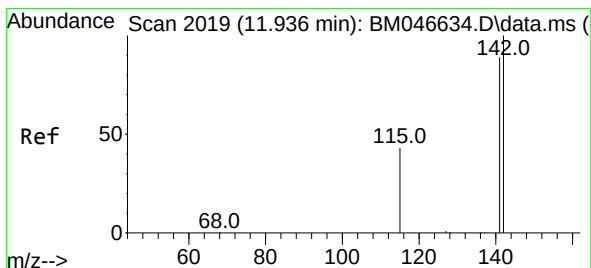
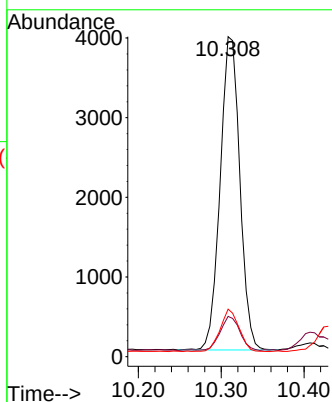
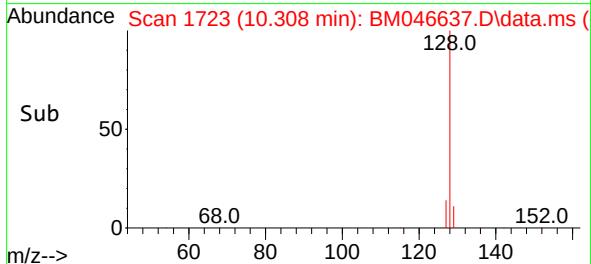
Instrument :
BNA_M
ClientSampleId :
A4BS3



Tgt Ion:128 Resp: 6492
Ion Ratio Lower Upper
128 100
129 12.6 10.3 15.5
127 14.8 12.2 18.4

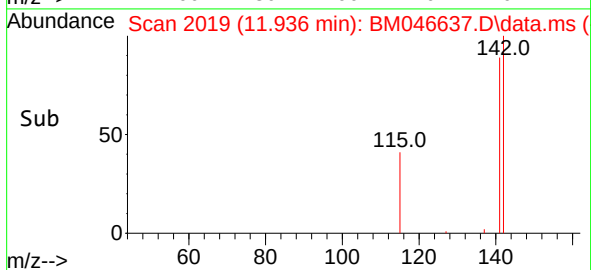
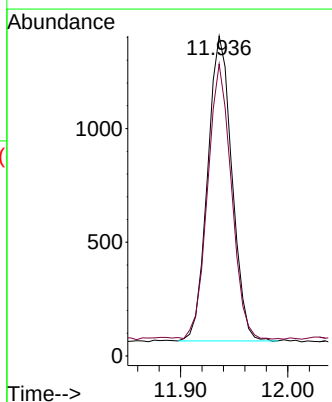
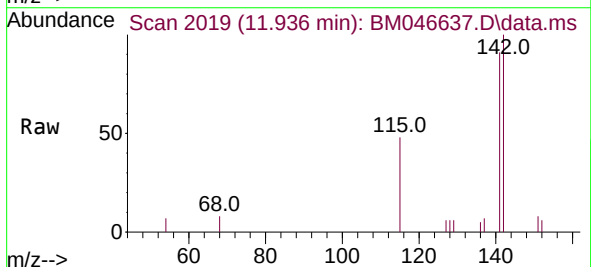
Manual Integrations
APPROVED

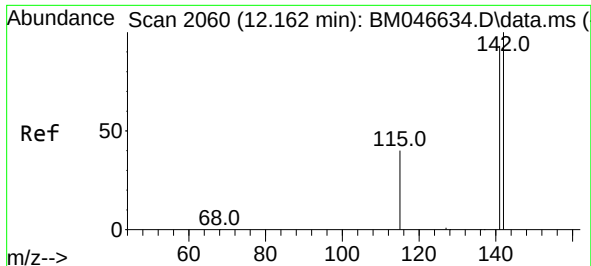
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/18/2024



#7
2-Methylnaphthalene
Concen: 0.154 ng/ul
RT: 11.936 min Scan# 2019
Delta R.T. -0.007 min
Lab File: BM046637.D
Acq: 16 Jul 2024 17:35

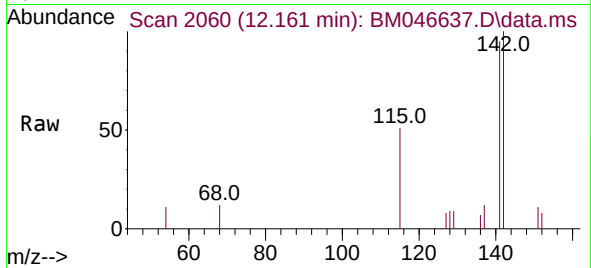
Tgt Ion:142 Resp: 2116
Ion Ratio Lower Upper
142 100
141 88.2 70.3 105.5





#8
1-Methylnaphthalene
Concen: 0.107 ng/ul
RT: 12.161 min Scan# 2060
Delta R.T. -0.002 min
Lab File: BM046637.D
Acq: 16 Jul 2024 17:35

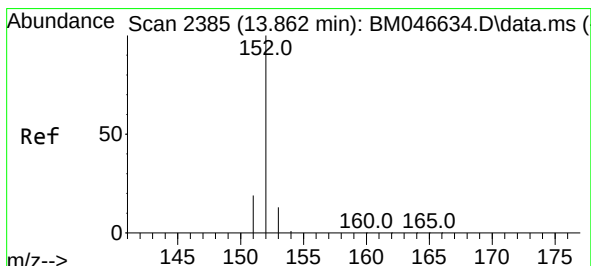
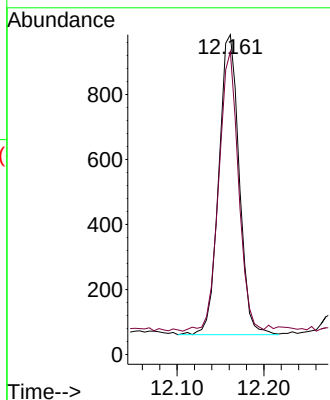
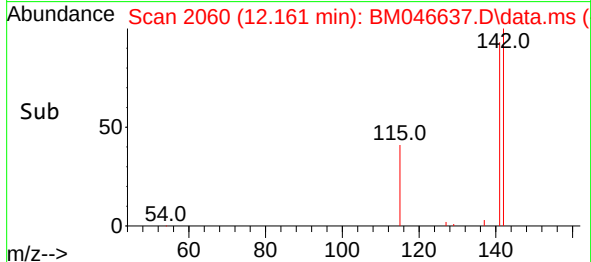
Instrument :
BNA_M
ClientSampleId :
A4BS3



Tgt Ion:142 Resp: 1504
Ion Ratio Lower Upper
142 100
141 90.2 73.9 110.9

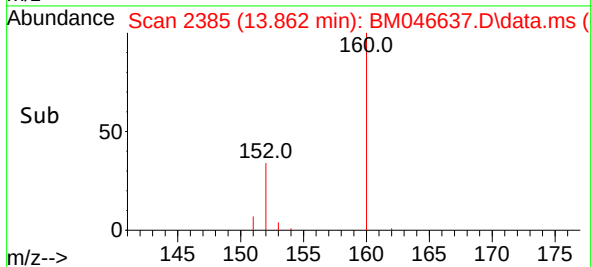
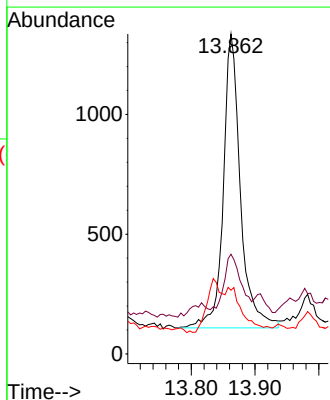
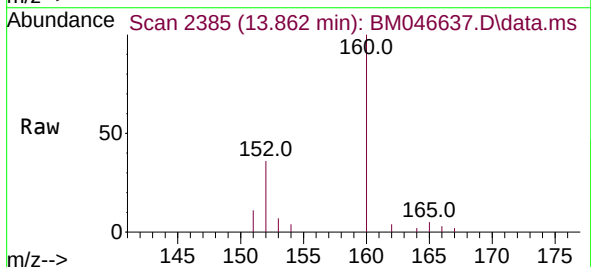
Manual Integrations
APPROVED

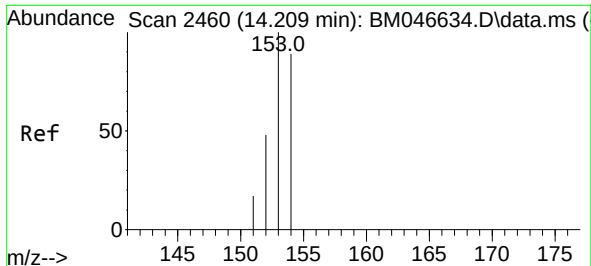
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/18/2024



#10
Acenaphthylene
Concen: 0.093 ng/ul
RT: 13.862 min Scan# 2385
Delta R.T. -0.002 min
Lab File: BM046637.D
Acq: 16 Jul 2024 17:35

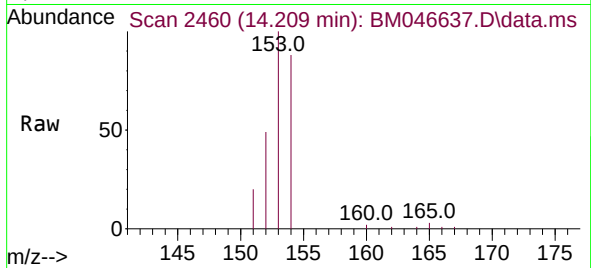
Tgt Ion:152 Resp: 2297
Ion Ratio Lower Upper
152 100
151 31.1 16.4 24.6#
153 19.9 12.4 18.6#





#11
Acenaphthene
Concen: 0.609 ng/u1
RT: 14.209 min Scan# 2460
Delta R.T. -0.002 min
Lab File: BM046637.D
Acq: 16 Jul 2024 17:35

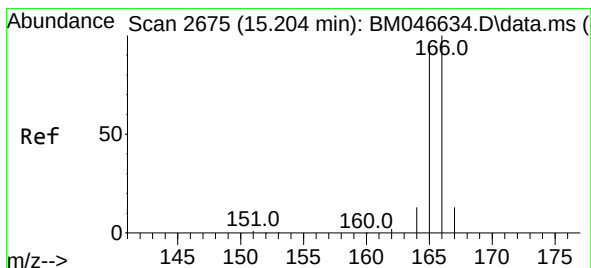
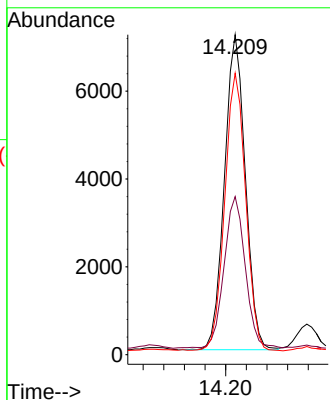
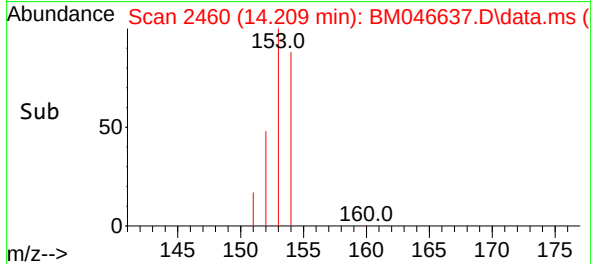
Instrument :
BNA_M
ClientSampleId :
A4BS3



Tgt Ion:153 Resp: 1010
Ion Ratio Lower Upper
153 100
152 49.4 43.0 64.6
154 88.0 69.9 104.9

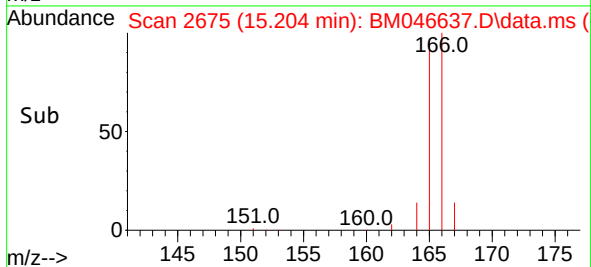
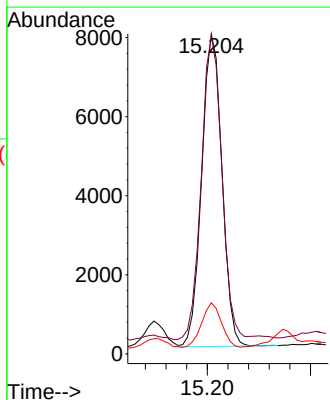
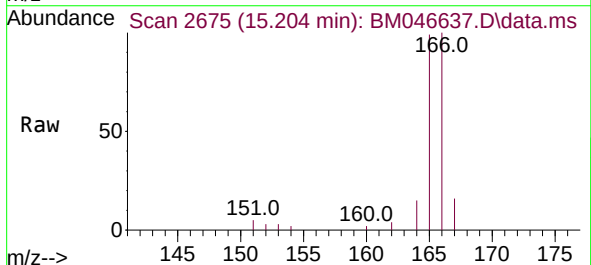
Manual Integrations
APPROVED

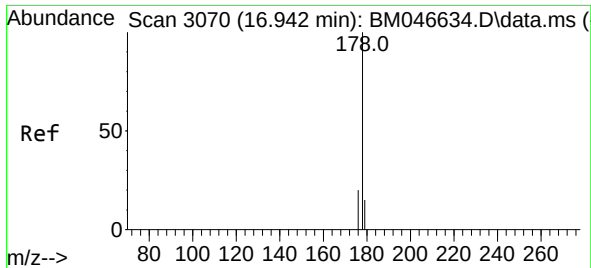
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/18/2024



#12
Fluorene
Concen: 0.525 ng/u1
RT: 15.204 min Scan# 2675
Delta R.T. -0.002 min
Lab File: BM046637.D
Acq: 16 Jul 2024 17:35

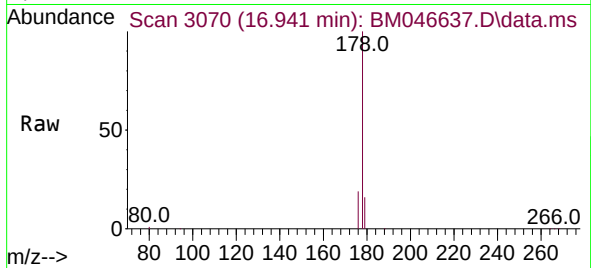
Tgt Ion:166 Resp: 10774
Ion Ratio Lower Upper
166 100
165 99.3 76.1 114.1
167 16.0 12.5 18.7





#15
Phenanthrene
Concen: 3.899 ng/u1
RT: 16.941 min Scan# 3070
Delta R.T. -0.002 min
Lab File: BM046637.D
Acq: 16 Jul 2024 17:35

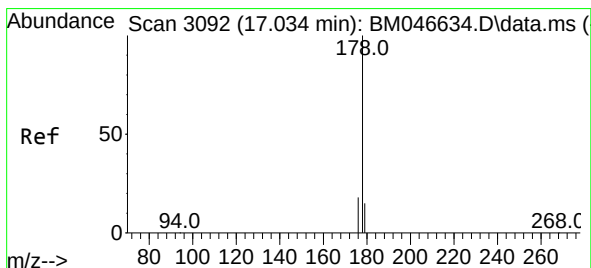
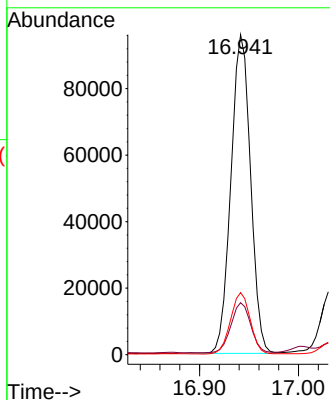
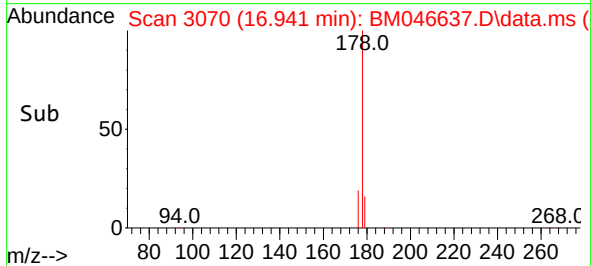
Instrument :
BNA_M
ClientSampleId :
A4BS3



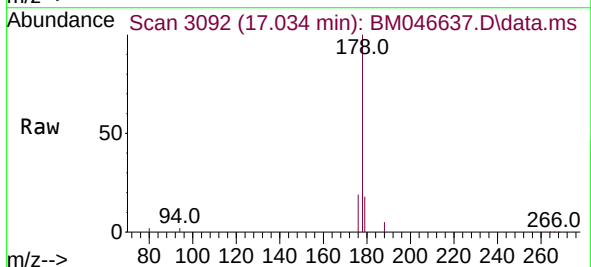
Tgt Ion:178 Resp: 13208
Ion Ratio Lower Upper
178 100
179 16.3 13.1 19.7
176 19.4 16.0 24.0

Manual Integrations
APPROVED

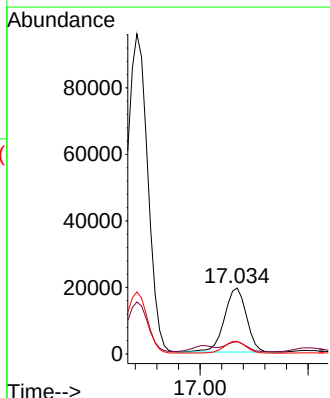
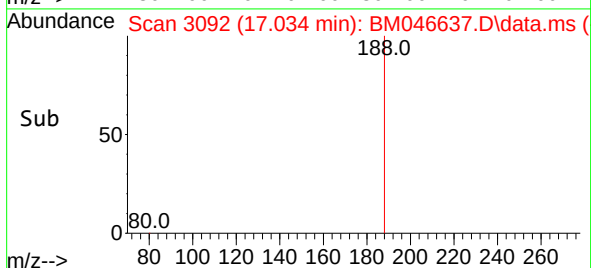
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/18/2024

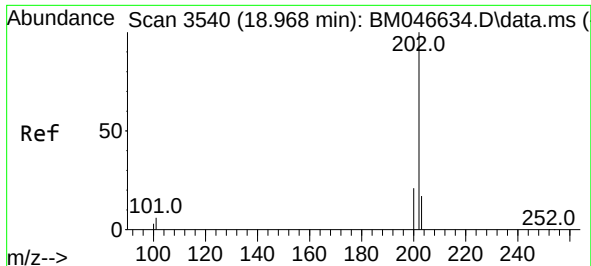


#16
Anthracene
Concen: 0.828 ng/u1
RT: 17.034 min Scan# 3092
Delta R.T. 0.002 min
Lab File: BM046637.D
Acq: 16 Jul 2024 17:35



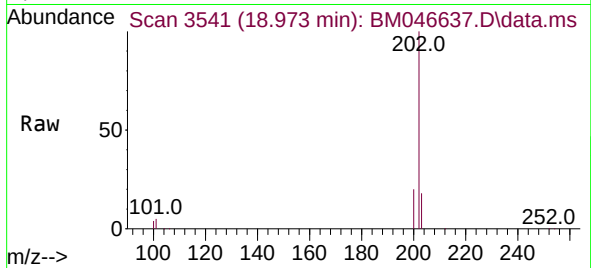
Tgt Ion:178 Resp: 27375
Ion Ratio Lower Upper
178 100
179 18.4 13.5 20.3
176 19.3 15.7 23.5





#19
Fluoranthene
Concen: 5.059 ng/u1
RT: 18.973 min Scan# 3541
Delta R.T. 0.003 min
Lab File: BM046637.D
Acq: 16 Jul 2024 17:35

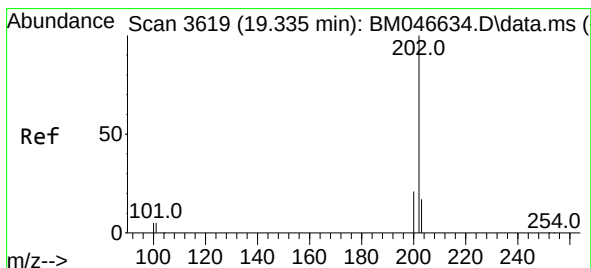
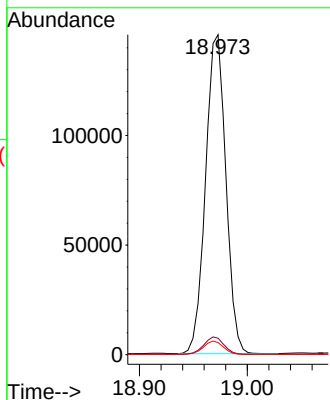
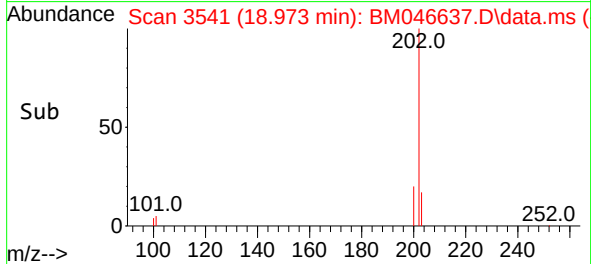
Instrument :
BNA_M
ClientSampleId :
A4BS3



Tgt Ion:202 Resp: 190114
Ion Ratio Lower Upper
202 100
101 5.2 4.6 6.8
100 3.8 3.0 4.6

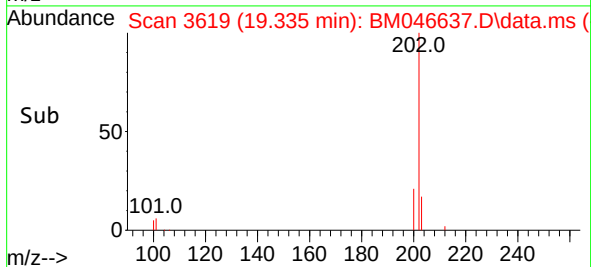
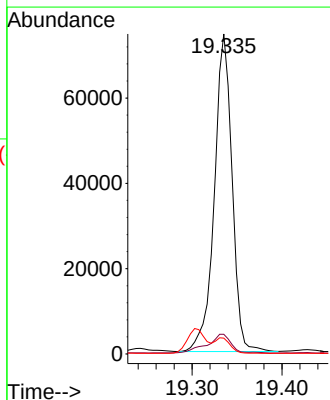
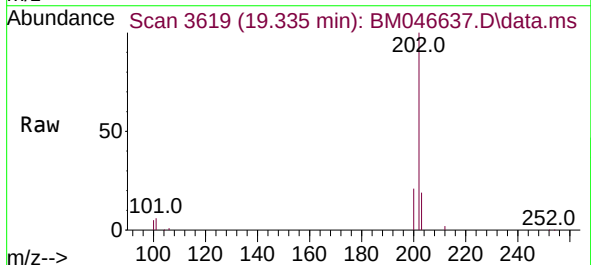
Manual Integrations
APPROVED

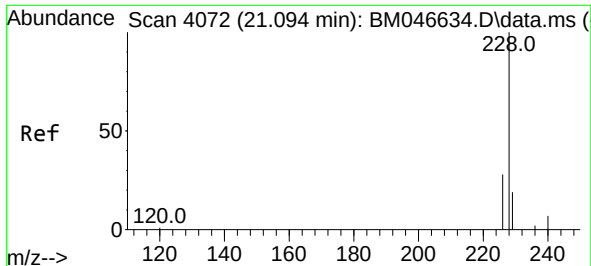
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/18/2024



#20
Pyrene
Concen: 2.499 ng/u1
RT: 19.335 min Scan# 3619
Delta R.T. 0.003 min
Lab File: BM046637.D
Acq: 16 Jul 2024 17:35

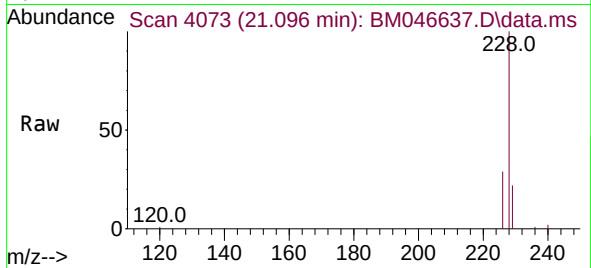
Tgt Ion:202 Resp: 101683
Ion Ratio Lower Upper
202 100
101 6.1 5.1 7.7
100 5.0 3.8 5.6





#21
Benzo(a)anthracene
Concen: 1.935 ng/ul
RT: 21.096 min Scan# 4072
Delta R.T. 0.009 min
Lab File: BM046637.D
Acq: 16 Jul 2024 17:35

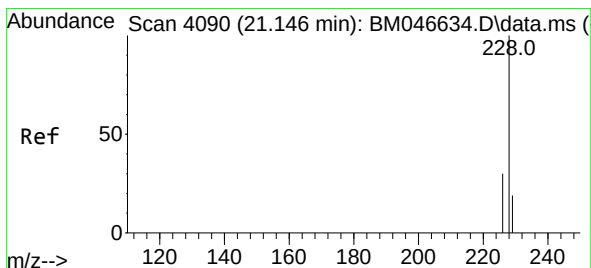
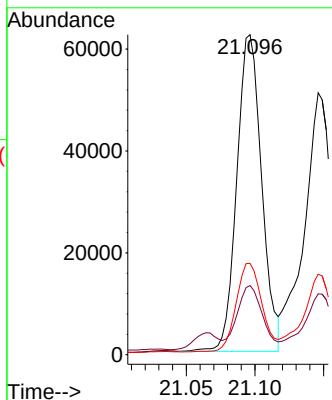
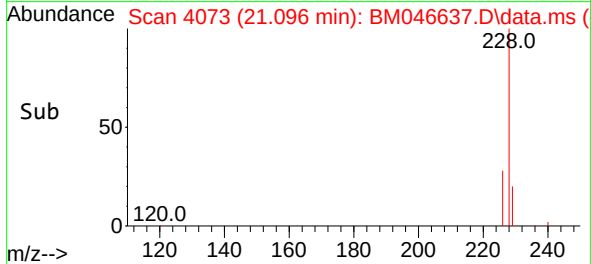
Instrument :
BNA_M
ClientSampleId :
A4BS3



Tgt Ion:228 Resp: 78298
Ion Ratio Lower Upper
228 100
229 21.6 16.5 24.7
226 28.6 22.5 33.7

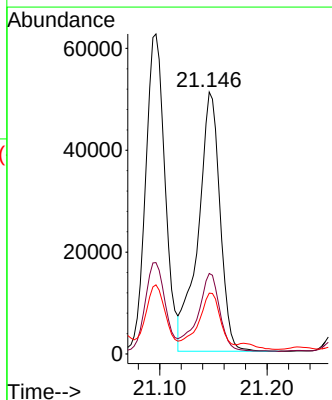
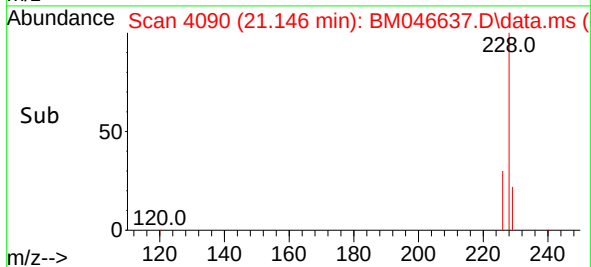
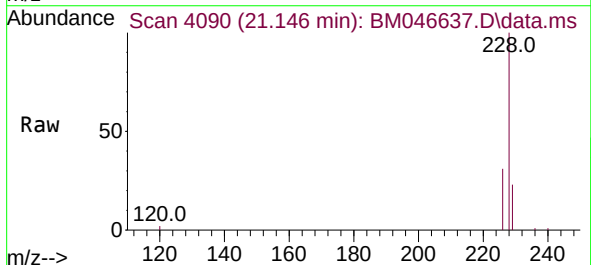
Manual Integrations
APPROVED

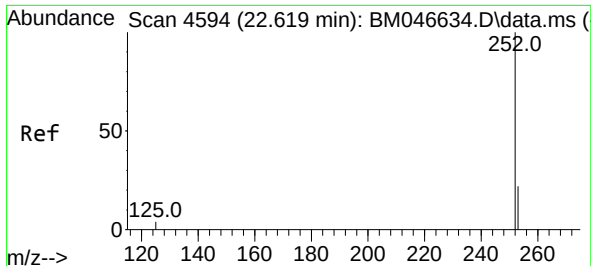
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/18/2024



#22
Chrysene
Concen: 1.837 ng/ul
RT: 21.146 min Scan# 4090
Delta R.T. 0.006 min
Lab File: BM046637.D
Acq: 16 Jul 2024 17:35

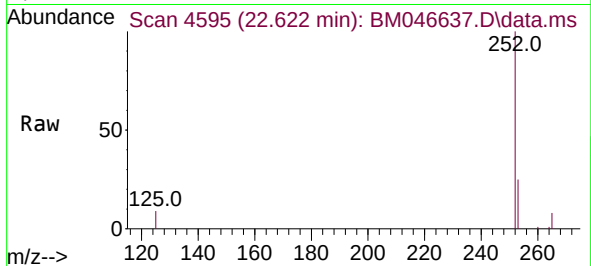
Tgt Ion:228 Resp: 71957
Ion Ratio Lower Upper
228 100
226 30.8 24.3 36.5
229 23.2 16.4 24.6





#24
Benzo(b)fluoranthene
Concen: 2.416 ng/ul m
RT: 22.622 min Scan# 4595
Delta R.T. 0.012 min
Lab File: BM046637.D
Acq: 16 Jul 2024 17:35

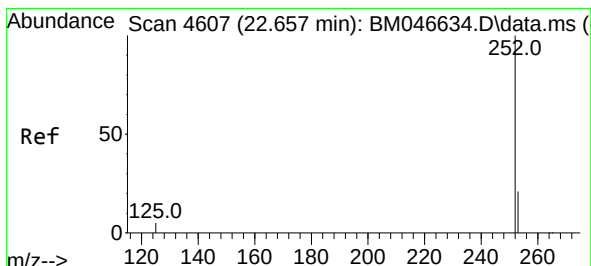
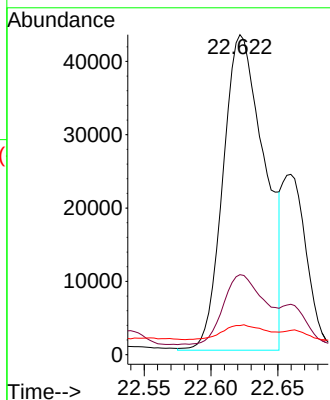
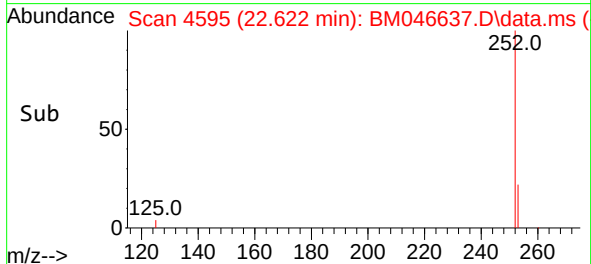
Instrument :
BNA_M
ClientSampleId :
A4BS3



Tgt Ion:252 Resp: 93290
Ion Ratio Lower Upper
252 100
253 25.0 0.0 56.2
125 9.1 0.0 17.8

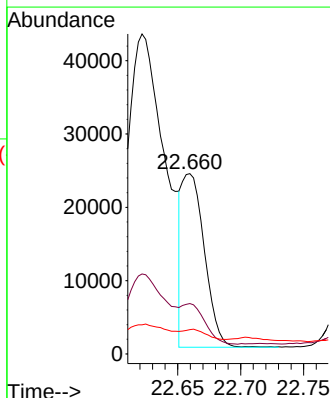
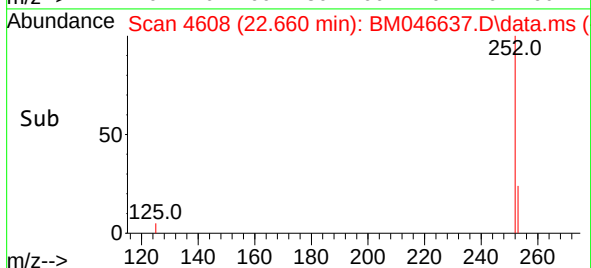
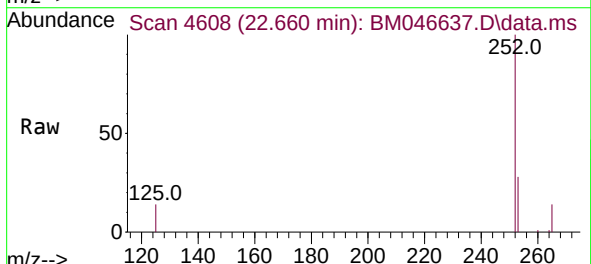
Manual Integrations
APPROVED

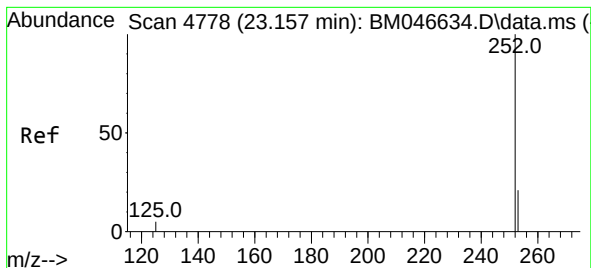
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/18/2024



#25
Benzo(k)fluoranthene
Concen: 0.777 ng/ul m
RT: 22.660 min Scan# 4608
Delta R.T. 0.009 min
Lab File: BM046637.D
Acq: 16 Jul 2024 17:35

Tgt Ion:252 Resp: 29446
Ion Ratio Lower Upper
252 100
253 27.9 22.4 33.6
125 13.5 7.0 10.4#





#26

Benzo(a)pyrene

Concen: 0.785 ng/ul

RT: 23.160 min Scan# 4778

Delta R.T. 0.009 min

Lab File: BM046637.D

Acq: 16 Jul 2024 17:35

Instrument :

BNM

ClientSampleId :

A4BS3

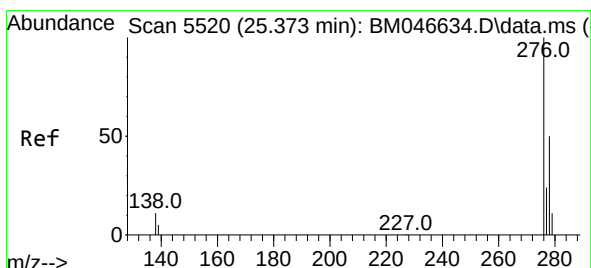
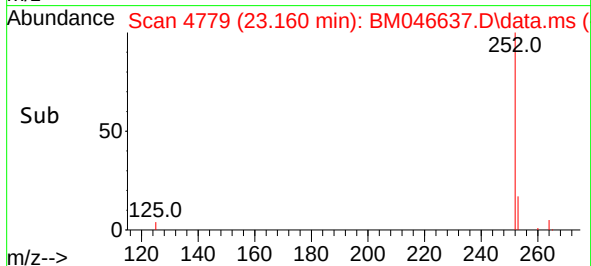
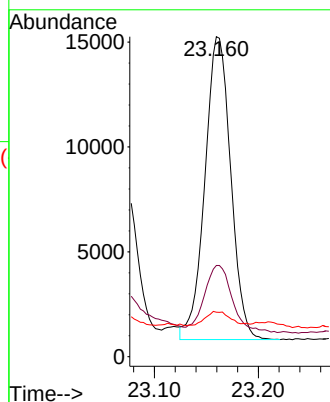
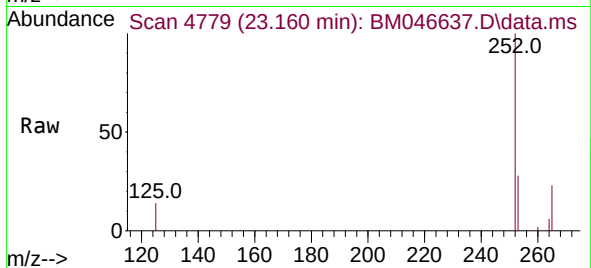
Tgt Ion:	252	Resp:	2494
Ion Ratio	Lower	Upper	
252	100		
253	28.5	24.0	36.0
125	13.9	8.2	12.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/18/2024

Supervised By :mohammad ahmed 07/18/2024



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.526 ng/ul

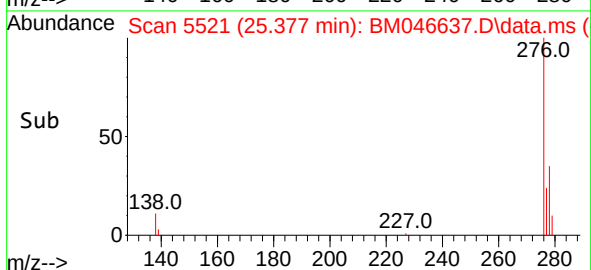
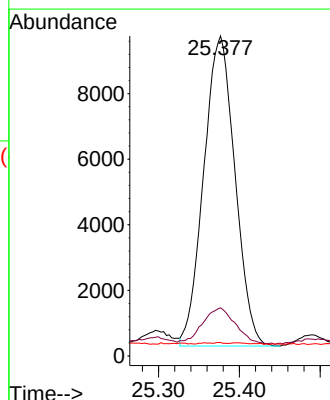
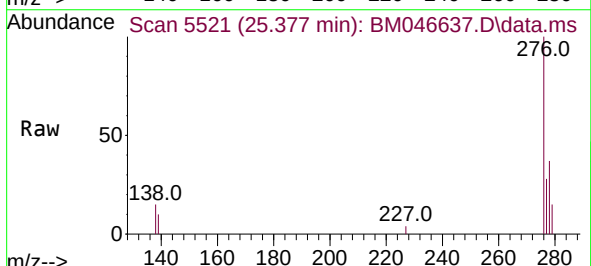
RT: 25.377 min Scan# 5521

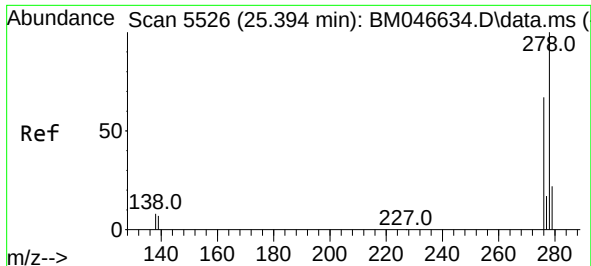
Delta R.T. 0.017 min

Lab File: BM046637.D

Acq: 16 Jul 2024 17:35

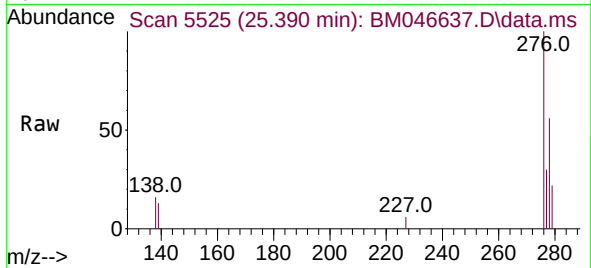
Tgt Ion:	276	Resp:	25439
Ion Ratio	Lower	Upper	
276	100		
138	12.6	0.0	0.0#
227	0.1	0.2	0.2#





#28
Dibenzo(a,h)anthracene
Concen: 0.293 ng/ul
RT: 25.390 min Scan# 5123
Delta R.T. 0.007 min
Lab File: BM046637.D
Acq: 16 Jul 2024 17:35

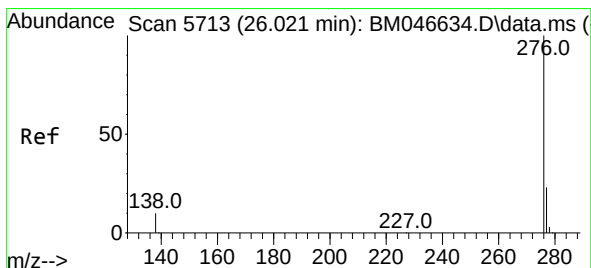
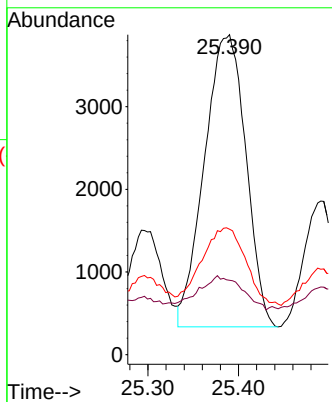
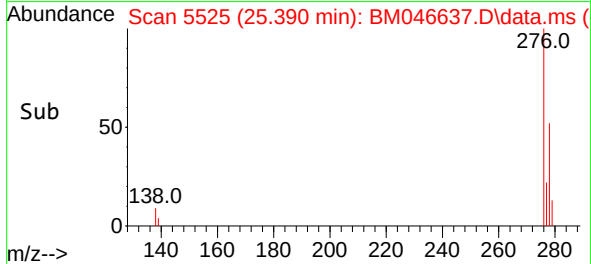
Instrument :
BNA_M
ClientSampleId :
A4BS3



Tgt Ion:278 Resp: 1123
Ion Ratio Lower Upper
278 100
139 23.2 9.1 13.7#
279 39.2 23.2 34.8#

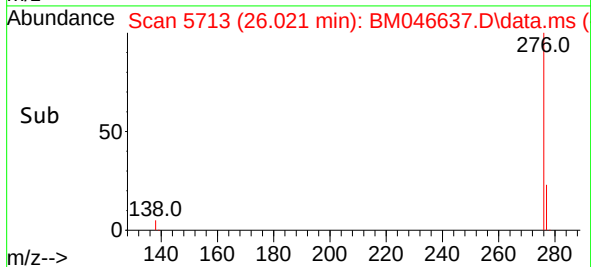
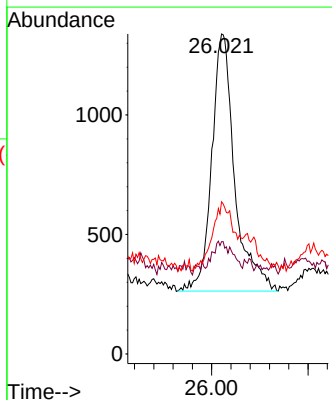
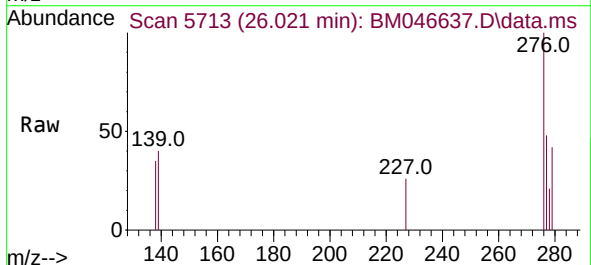
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/18/2024



#29
Benzo(g,h,i)perylene
Concen: 0.092 ng/ul
RT: 26.021 min Scan# 5713
Delta R.T. 0.017 min
Lab File: BM046637.D
Acq: 16 Jul 2024 17:35

Tgt Ion:276 Resp: 3565
Ion Ratio Lower Upper
276 100
138 35.1 10.2 15.4#
277 47.6 20.9 31.3#



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071524\
 Data File : BM046637.D
 Acq On : 16 Jul 2024 17:35
 Operator : MA/JU
 Sample : P3177-05
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BS3

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/18/2024
 Supervised By :mohammad ahmed 07/18/2024

Quant Time: Jul 16 18:07:29 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 15 08:57:27 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.501	152	2721	0.400	ng/ul	0.00
4) Naphthalene-d8	10.264	136	7708	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.144	164	5439	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.899	188	11871	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.111	240	9149	0.400	ng/ul	# 0.00
23) Perylene-d12	23.253	264	9668	0.400	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.113	96	4327	1.935	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.859	152	1998	0.161	ng/ul	0.00
18) Fluoranthene-d10	18.940	212	5688	0.204	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.308	128	6492	0.331	ng/ul	99
7) 2-Methylnaphthalene	11.936	142	2116	0.154	ng/ul	100
8) 1-Methylnaphthalene	12.161	142	1504	0.107	ng/ul	98
10) Acenaphthylene	13.862	152	2297	0.093	ng/ul#	82
11) Acenaphthene	14.209	153	10102	0.609	ng/ul	97
12) Fluorene	15.204	166	10774	0.525	ng/ul	96
15) Phenanthrene	16.941	178	132082	3.899	ng/ul	99
16) Anthracene	17.034	178	27375	0.828	ng/ul	98
19) Fluoranthene	18.973	202	190114	5.059	ng/ul	99
20) Pyrene	19.335	202	101683	2.499	ng/ul	99
21) Benzo(a)anthracene	21.096	228	78298	1.935	ng/ul	99
22) Chrysene	21.146	228	71957	1.837	ng/ul	97
24) Benzo(b)fluoranthene	22.622	252	93296m	2.416	ng/ul	
25) Benzo(k)fluoranthene	22.660	252	29446m	0.777	ng/ul	
26) Benzo(a)pyrene	23.160	252	24948	0.785	ng/ul#	95
27) Indeno(1,2,3-cd)pyrene	25.377	276	25439	0.526	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.390	278	11232	0.293	ng/ul#	78
29) Benzo(g,h,i)perylene	26.021	276	3565	0.092	ng/ul#	53

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