

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
 Data File : BM046283.D
 Acq On : 25 Jun 2024 09:52
 Operator : MA/JU
 Sample : P2844-22
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C47

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/26/2024
 Supervised By :mohammad ahmed 06/27/2024

Quant Time: Jun 25 11:14:04 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 25 08:04:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.396	152	2418	0.400	ng/ul	-0.06
4) Naphthalene-d8	10.166	136	7343	0.400	ng/ul	-0.09
9) Acenaphthene-d10	14.044	164	3981	0.400	ng/ul	-0.05
13) Phenanthrene-d10	16.791	188	8897m	0.400	ng/ul	-0.06
17) Chrysene-d12	20.994	240	5967	0.400	ng/ul	-0.03
23) Perylene-d12	23.086	264	7190	0.400	ng/ul	#-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.021	96	9817	2.959	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.756	152	2535	0.257	ng/ul	-0.12
18) Fluoranthene-d10	18.825	212	5400	0.302	ng/ul	-0.05
Target Compounds						
					Qvalue	
5) Naphthalene	10.210	128	10722	0.524	ng/ul	95
7) 2-Methylnaphthalene	11.827	142	5067	0.440	ng/ul	98
8) 1-Methylnaphthalene	12.053	142	4679	0.370	ng/ul	99
10) Acenaphthylene	13.762	152	17129	0.907	ng/ul	99
11) Acenaphthene	14.109	153	14250	1.045	ng/ul	97
12) Fluorene	15.099	166	19349	1.323	ng/ul	99
15) Phenanthrene	16.829	178	351340m	14.056	ng/ul	
16) Anthracene	16.922	178	96473m	5.182	ng/ul	
19) Fluoranthene	18.853	202	484624	18.758	ng/ul	97
20) Pyrene	19.220	202	356939	12.775	ng/ul#	94
21) Benzo(a)anthracene	20.976	228	206344	8.953	ng/ul	99
22) Chrysene	21.029	228	200990	6.833	ng/ul	99
24) Benzo(b)fluoranthene	22.469	252	265995m	10.268	ng/ul	
25) Benzo(k)fluoranthene	22.504	252	94579m	3.071	ng/ul	
26) Benzo(a)pyrene	22.992	252	117127m	4.880	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.115	276	114700	2.920	ng/ul#	94
28) Dibenzo(a,h)anthracene	25.121	278	32622	1.115	ng/ul	93
29) Benzo(g,h,i)perylene	25.742	276	16486	0.489	ng/ul	95

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

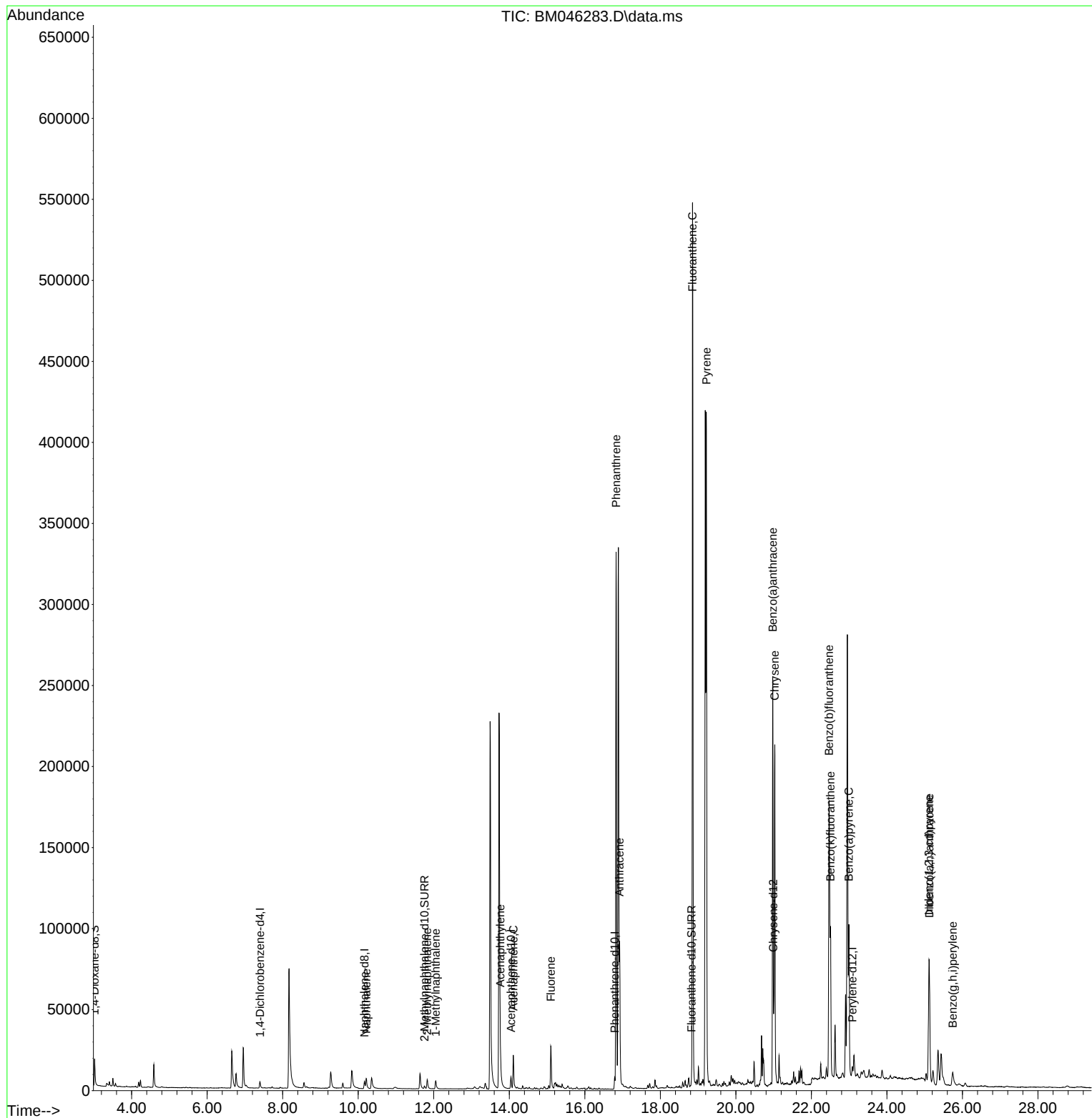
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046283.D
Acq On : 25 Jun 2024 09:52
Operator : MA/JU
Sample : P2844-22
Misc :
ALS Vial : 42 Sample Multiplier: 1

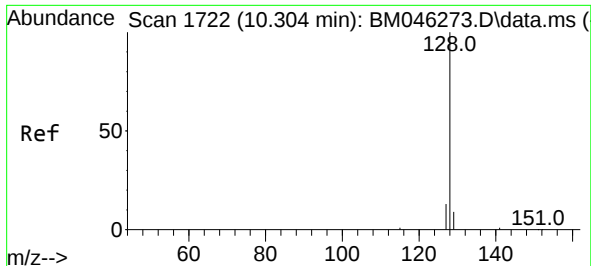
Instrument :
BNA_M
ClientSampleId :
A4C47

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024

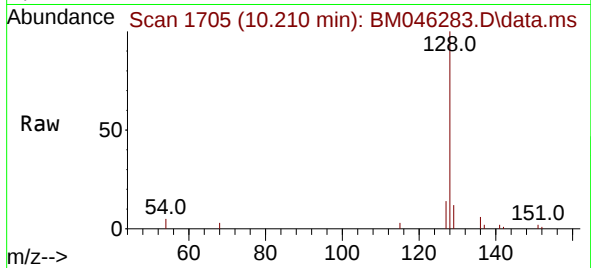
Quant Time: Jun 25 11:14:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 25 08:04:59 2024
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.524 ng/ul
RT: 10.210 min Scan# 1705
Delta R.T. -0.094 min
Lab File: BM046283.D
Acq: 25 Jun 2024 09:52

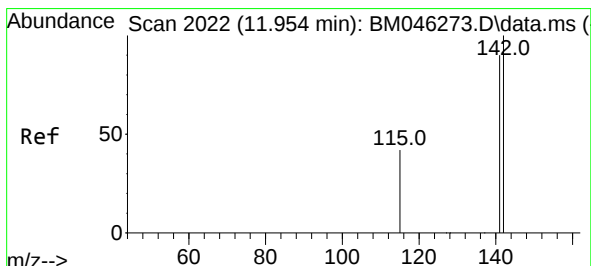
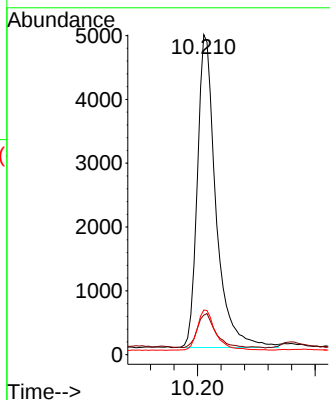
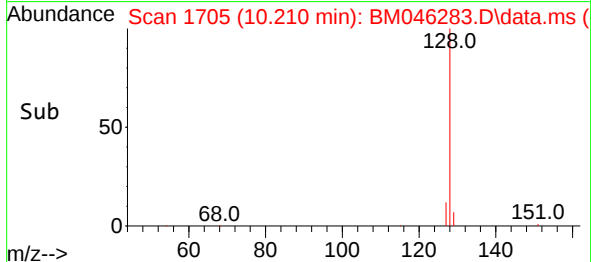
Instrument :
BNA_M
ClientSampleId :
A4C47



Tgt Ion:128 Resp: 1072
Ion Ratio Lower Upper
128 100
129 12.4 11.8 17.6
127 14.0 12.8 19.2

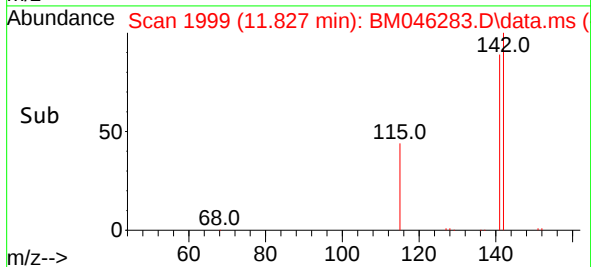
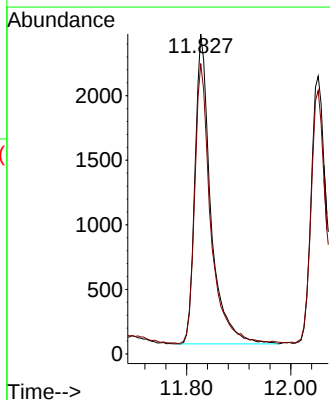
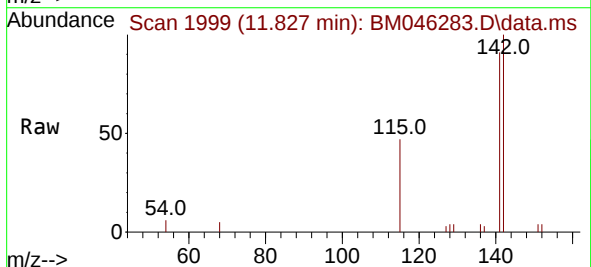
Manual Integrations
APPROVED

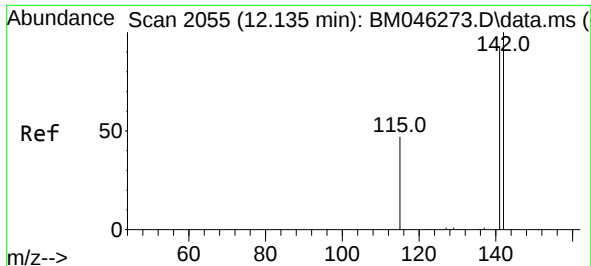
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#7
2-Methylnaphthalene
Concen: 0.440 ng/ul
RT: 11.827 min Scan# 1999
Delta R.T. -0.127 min
Lab File: BM046283.D
Acq: 25 Jun 2024 09:52

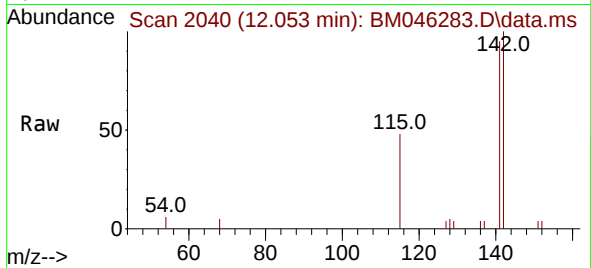
Tgt Ion:142 Resp: 5067
Ion Ratio Lower Upper
142 100
141 91.7 74.6 111.8





#8
1-Methylnaphthalene
Concen: 0.370 ng/ul
RT: 12.053 min Scan# 2055
Delta R.T. -0.083 min
Lab File: BM046283.D
Acq: 25 Jun 2024 09:52

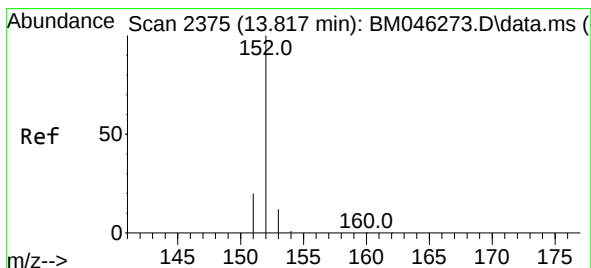
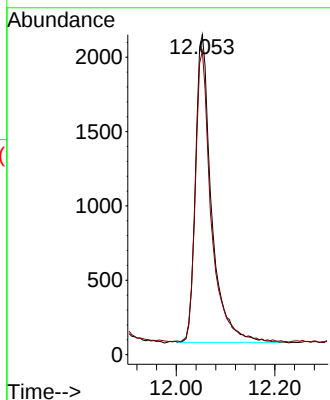
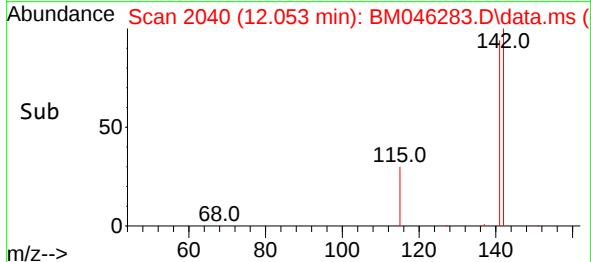
Instrument :
BNA_M
ClientSampleId :
A4C47



Tgt Ion:142 Resp: 4679
Ion Ratio Lower Upper
142 100
141 93.1 75.2 112.8

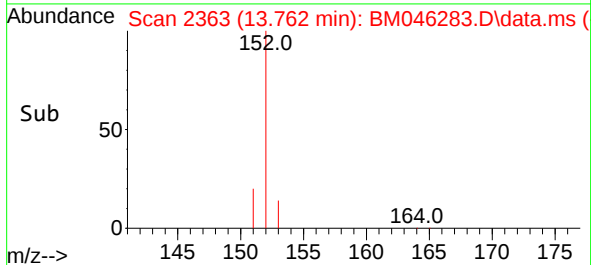
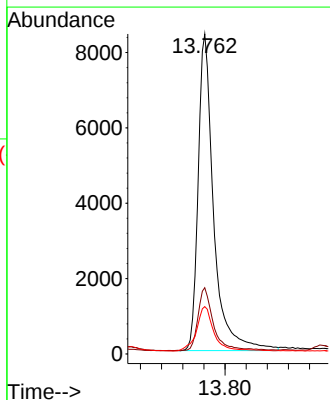
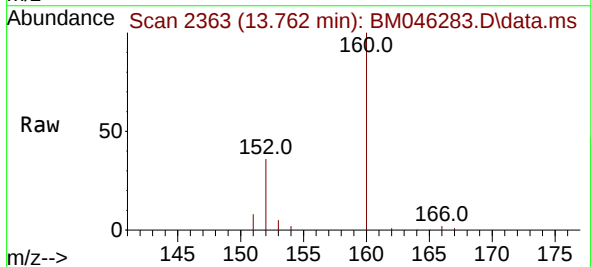
Manual Integrations
APPROVED

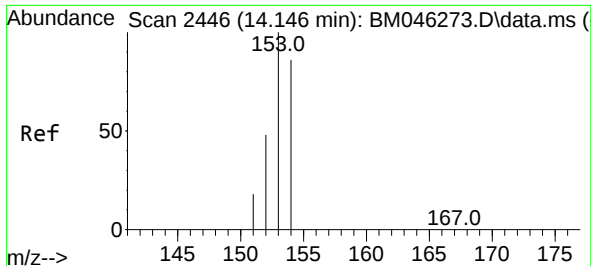
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#10
Acenaphthylene
Concen: 0.907 ng/ul
RT: 13.762 min Scan# 2363
Delta R.T. -0.056 min
Lab File: BM046283.D
Acq: 25 Jun 2024 09:52

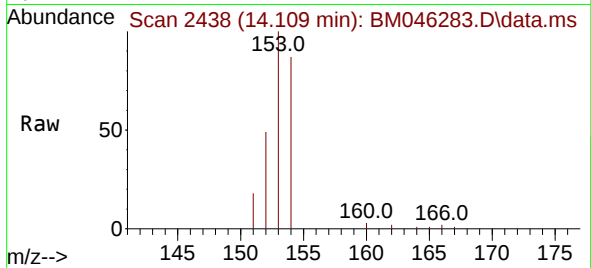
Tgt Ion:152 Resp: 17129
Ion Ratio Lower Upper
152 100
151 20.7 17.4 26.2
153 14.8 11.8 17.8





#11
Acenaphthene
Concen: 1.045 ng/ul
RT: 14.109 min Scan# 2446
Delta R.T. -0.037 min
Lab File: BM046283.D
Acq: 25 Jun 2024 09:52

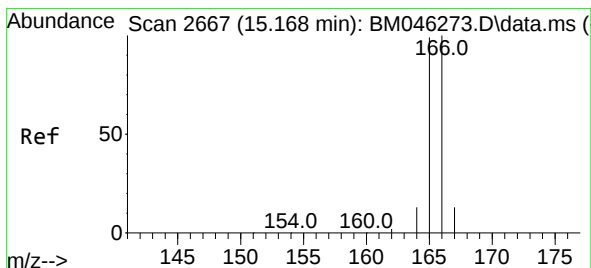
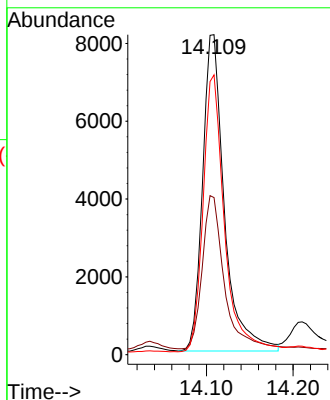
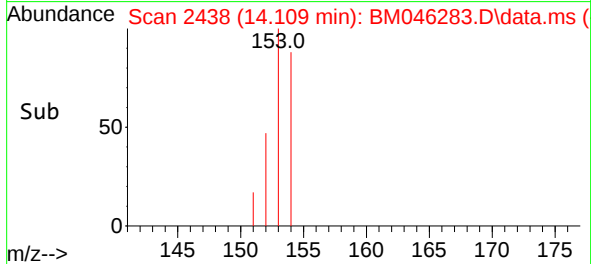
Instrument :
BNA_M
ClientSampleId :
A4C47



Tgt Ion:153 Resp: 14250
Ion Ratio Lower Upper
153 100
152 49.1 41.3 61.9
154 87.5 68.2 102.4

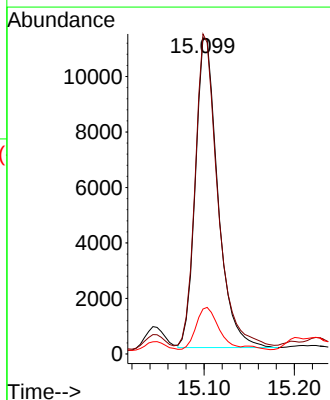
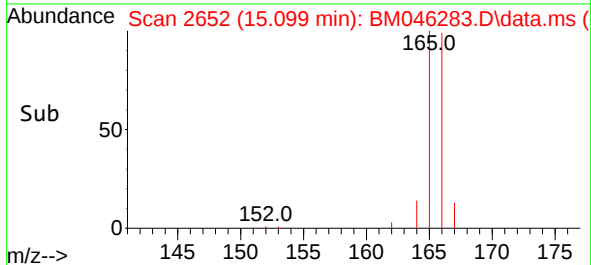
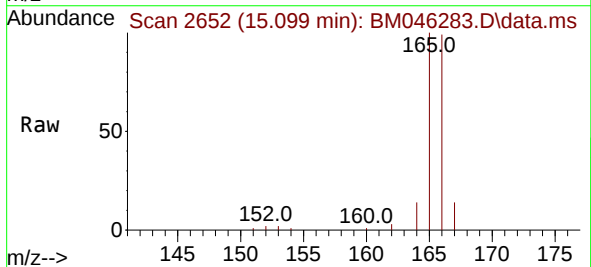
Manual Integrations
APPROVED

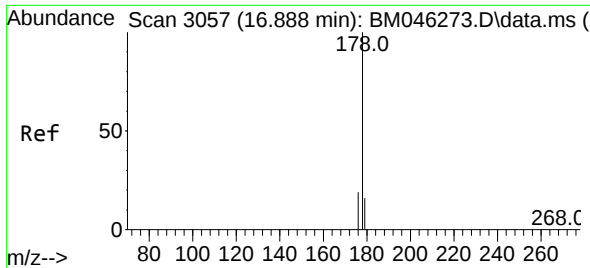
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#12
Fluorene
Concen: 1.323 ng/ul
RT: 15.099 min Scan# 2652
Delta R.T. -0.070 min
Lab File: BM046283.D
Acq: 25 Jun 2024 09:52

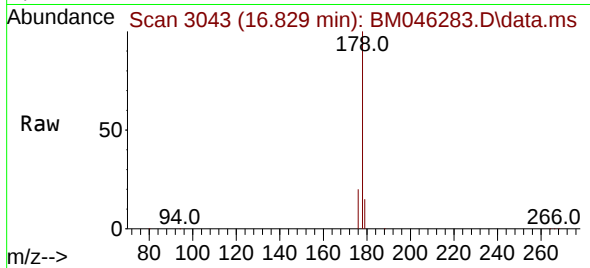
Tgt Ion:166 Resp: 19349
Ion Ratio Lower Upper
166 100
165 101.2 80.4 120.6
167 14.2 12.4 18.6





#15
Phenanthrene
Concen: 14.056 ng/ul m
RT: 16.829 min Scan# 3043
Delta R.T. -0.059 min
Lab File: BM046283.D
Acq: 25 Jun 2024 09:52

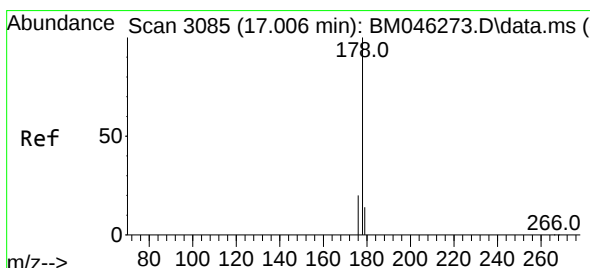
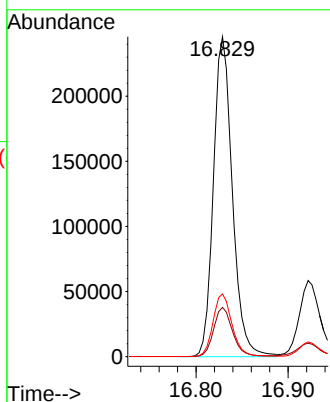
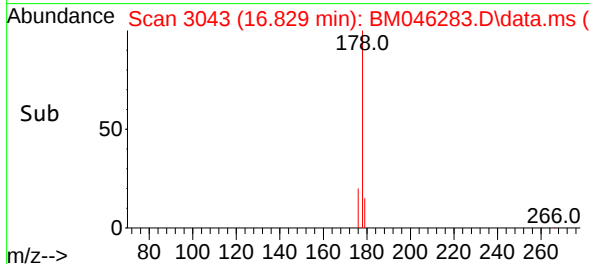
Instrument :
BNA_M
ClientSampleId :
A4C47



Tgt Ion:178 Resp: 351340
Ion Ratio Lower Upper
178 100
179 15.4 14.2 21.2
176 19.6 17.1 25.7

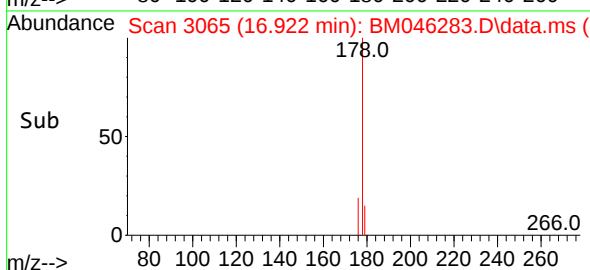
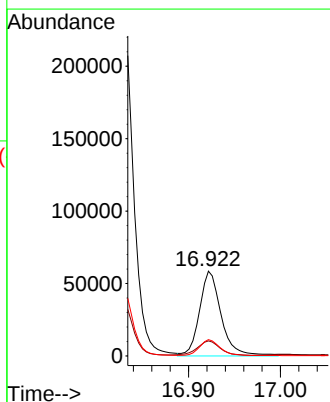
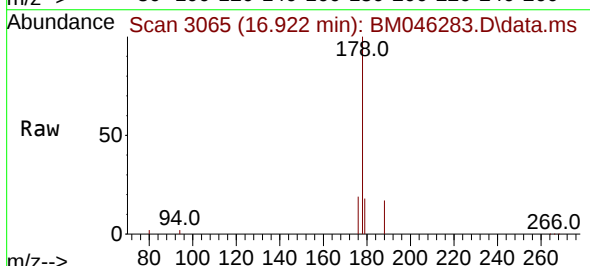
Manual Integrations
APPROVED

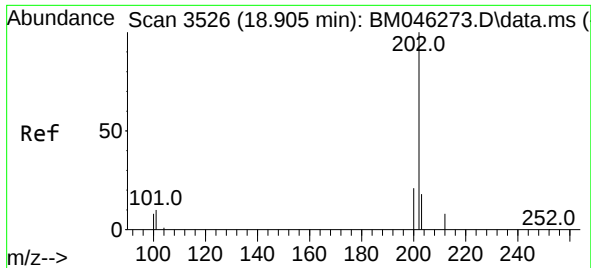
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#16
Anthracene
Concen: 5.182 ng/ul m
RT: 16.922 min Scan# 3065
Delta R.T. -0.085 min
Lab File: BM046283.D
Acq: 25 Jun 2024 09:52

Tgt Ion:178 Resp: 96473
Ion Ratio Lower Upper
178 100
179 17.7 14.9 22.3
176 19.3 17.0 25.4





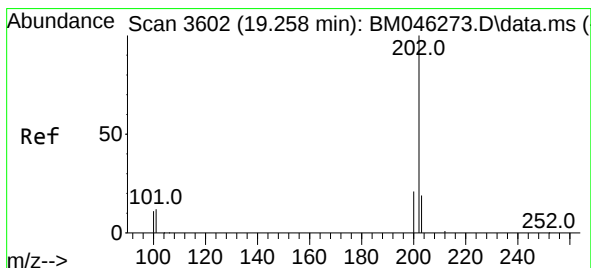
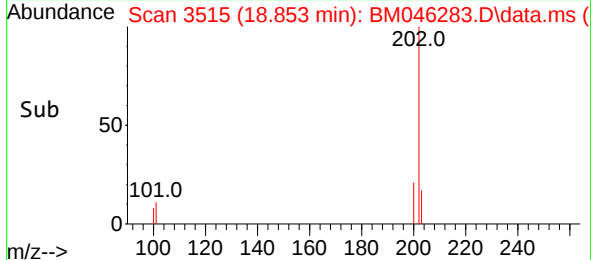
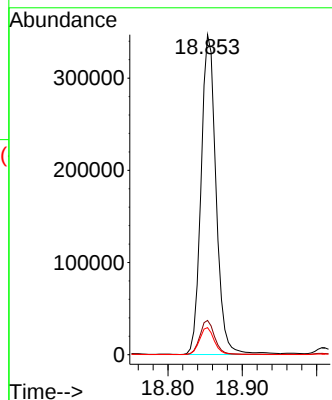
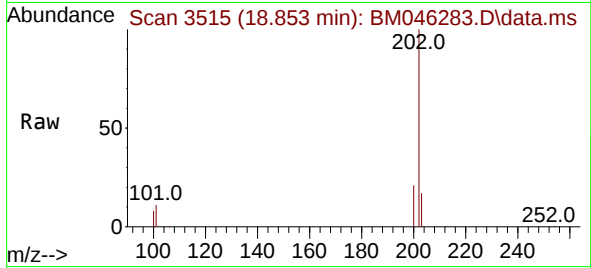
#19
Fluoranthene
Concen: 18.758 ng/u1
RT: 18.853 min Scan# 315
Delta R.T. -0.051 min
Lab File: BM046283.D
Acq: 25 Jun 2024 09:52

Instrument :
BNA_M
ClientSampleId :
A4C47

Tgt Ion:202 Resp: 484624
Ion Ratio Lower Upper
202 100
101 10.7 9.6 14.4
100 8.4 7.6 11.4

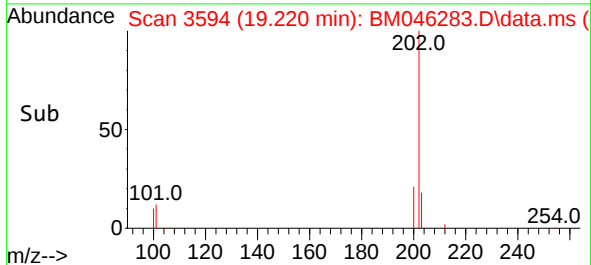
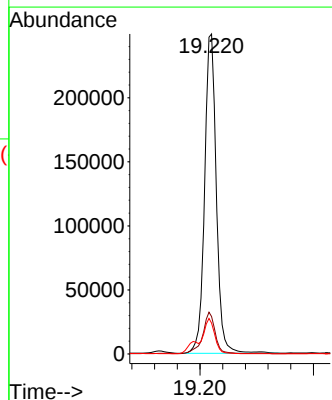
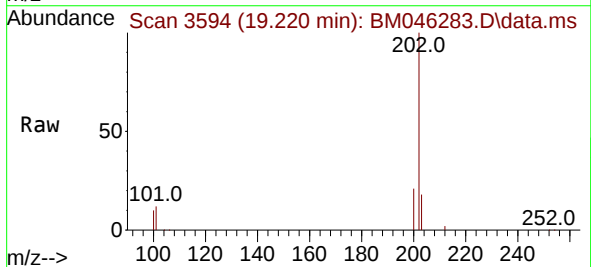
Manual Integrations
APPROVED

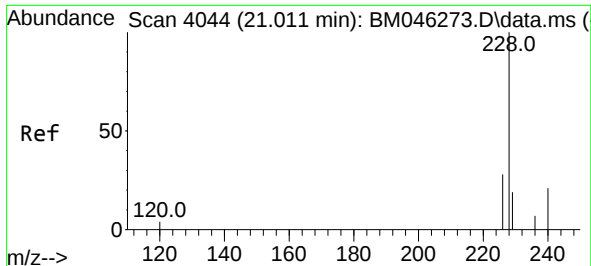
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#20
Pyrene
Concen: 12.775 ng/u1
RT: 19.220 min Scan# 3594
Delta R.T. -0.037 min
Lab File: BM046283.D
Acq: 25 Jun 2024 09:52

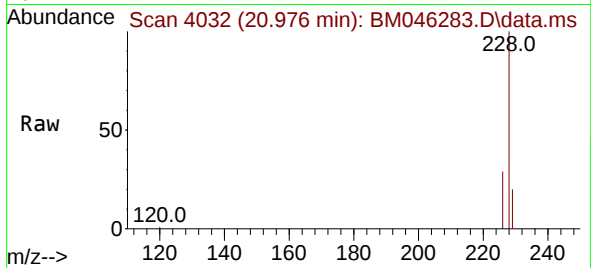
Tgt Ion:202 Resp: 356939
Ion Ratio Lower Upper
202 100
101 11.7 11.3 16.9
100 9.6 9.8 14.6#





#21
Benzo(a)anthracene
Concen: 8.953 ng/ul
RT: 20.976 min Scan# 4044
Delta R.T. -0.035 min
Lab File: BM046283.D
Acq: 25 Jun 2024 09:52

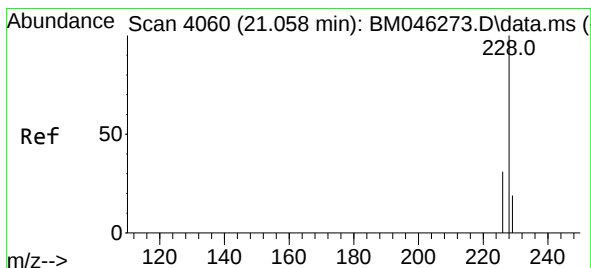
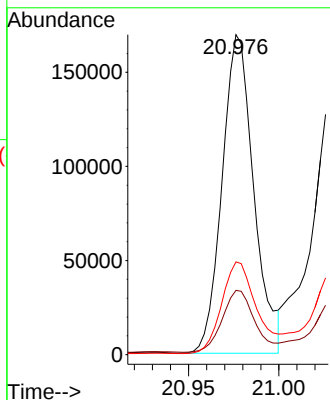
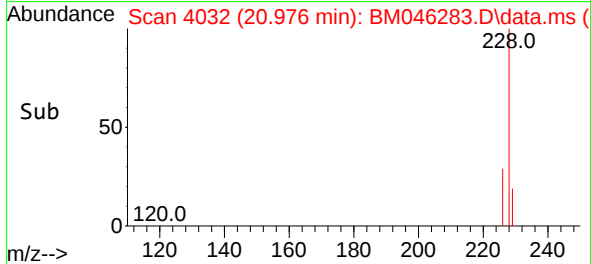
Instrument :
BNA_M
ClientSampleId :
A4C47



Tgt Ion:228 Resp: 206344
Ion Ratio Lower Upper
228 100
229 20.1 16.4 24.6
226 29.0 23.4 35.2

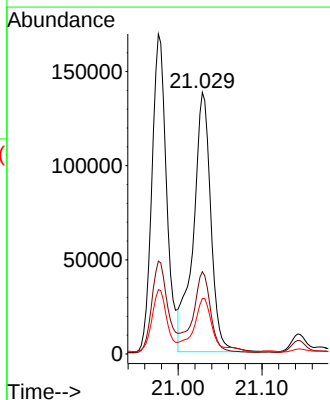
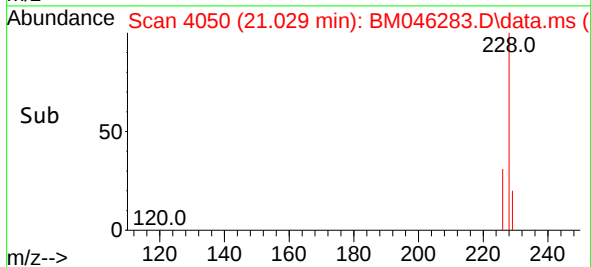
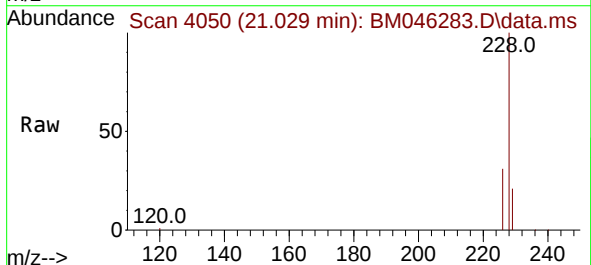
Manual Integrations
APPROVED

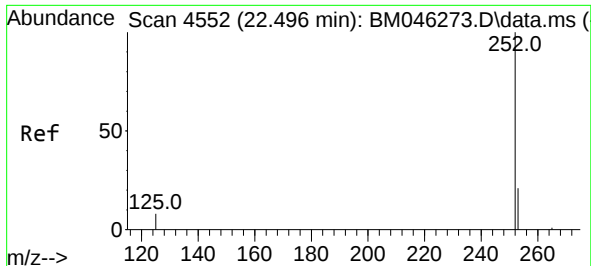
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#22
Chrysene
Concen: 6.833 ng/ul
RT: 21.029 min Scan# 4050
Delta R.T. -0.029 min
Lab File: BM046283.D
Acq: 25 Jun 2024 09:52

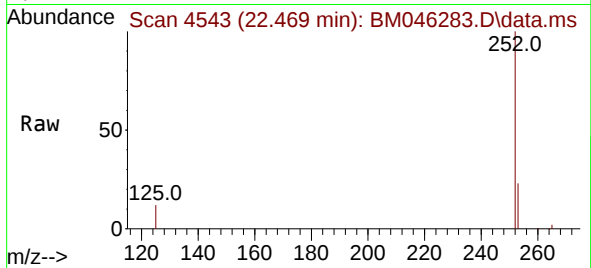
Tgt Ion:228 Resp: 200990
Ion Ratio Lower Upper
228 100
226 31.5 25.2 37.8
229 21.2 16.3 24.5





#24
Benzo(b)fluoranthene
Concen: 10.268 ng/ul m
RT: 22.469 min Scan# 4543
Delta R.T. -0.026 min
Lab File: BM046283.D
Acq: 25 Jun 2024 09:52

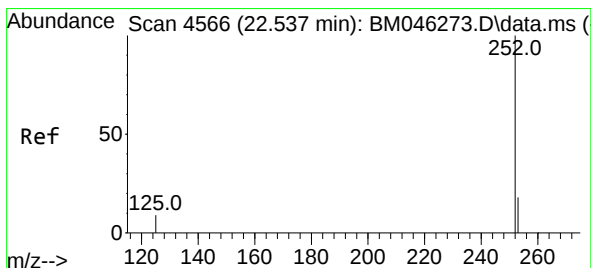
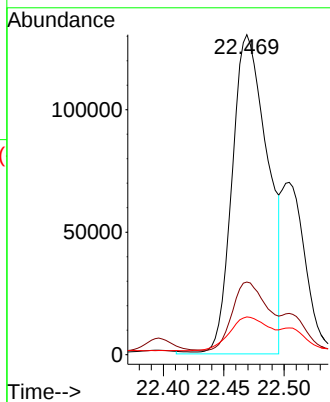
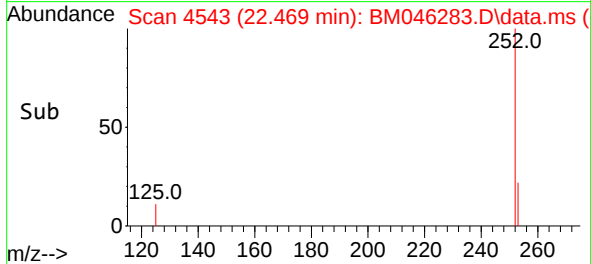
Instrument :
BNA_M
ClientSampleId :
A4C47



Tgt Ion:252 Resp: 26599
Ion Ratio Lower Upper
252 100
253 22.7 0.0 65.8
125 11.8 0.0 40.2

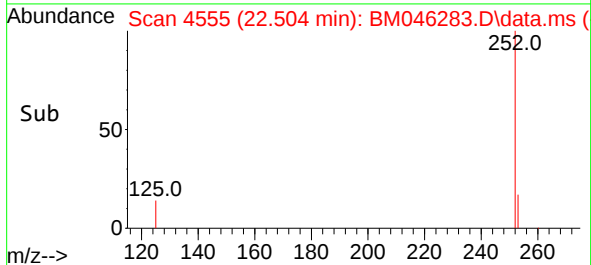
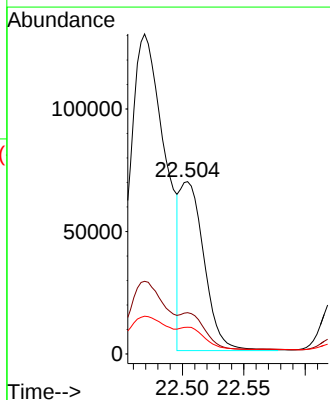
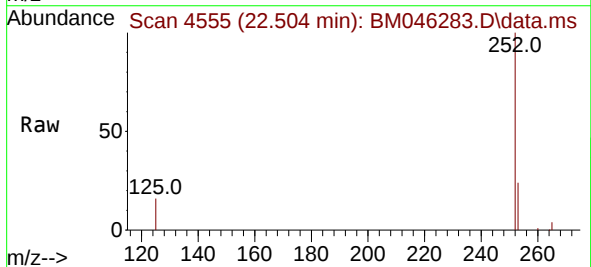
Manual Integrations
APPROVED

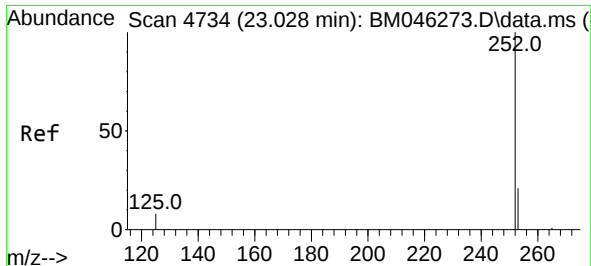
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#25
Benzo(k)fluoranthene
Concen: 3.071 ng/ul m
RT: 22.504 min Scan# 4555
Delta R.T. -0.032 min
Lab File: BM046283.D
Acq: 25 Jun 2024 09:52

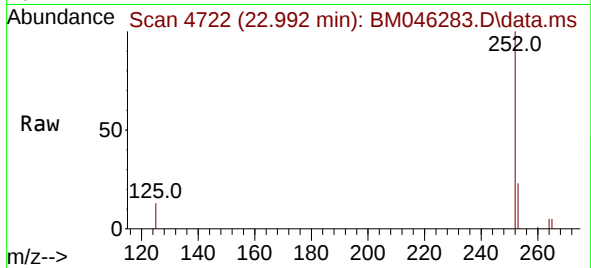
Tgt Ion:252 Resp: 94579
Ion Ratio Lower Upper
252 100
253 23.9 27.2 40.8#
125 15.5 16.6 25.0#





#26
Benzo(a)pyrene
Concen: 4.880 ng/ul m
RT: 22.992 min Scan# 41
Delta R.T. -0.035 min
Lab File: BM046283.D
Acq: 25 Jun 2024 09:52

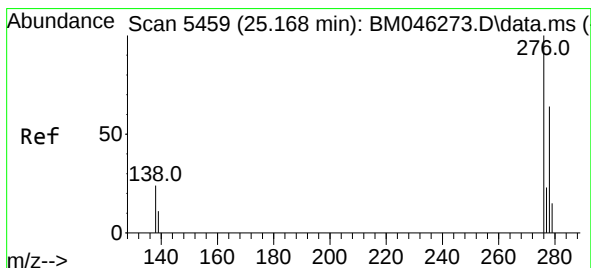
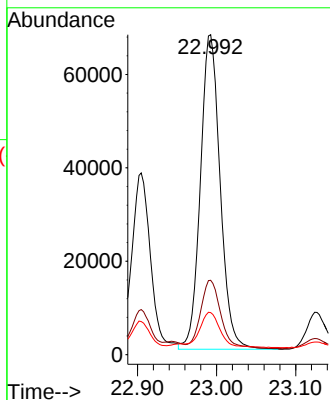
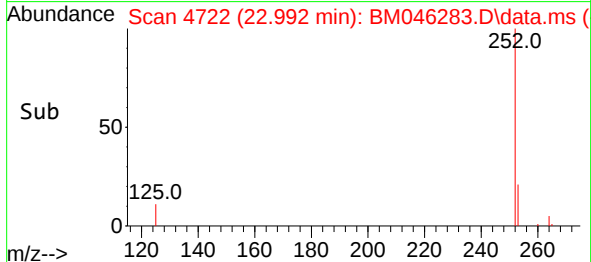
Instrument :
BNA_M
ClientSampleId :
A4C47



Tgt Ion:252 Resp: 11712
Ion Ratio Lower Upper
252 100
253 23.3 32.1 48.1
125 13.2 21.2 31.8

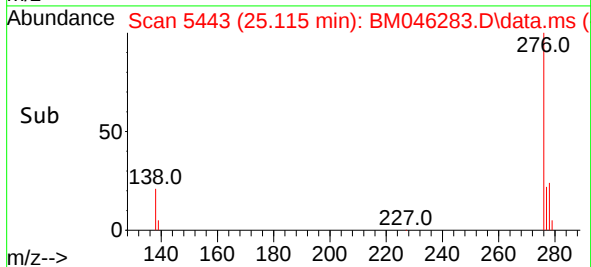
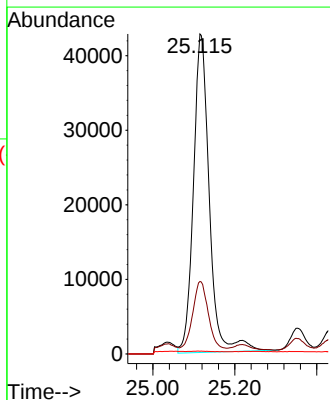
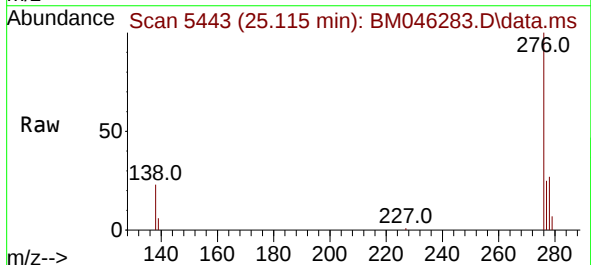
Manual Integrations
APPROVED

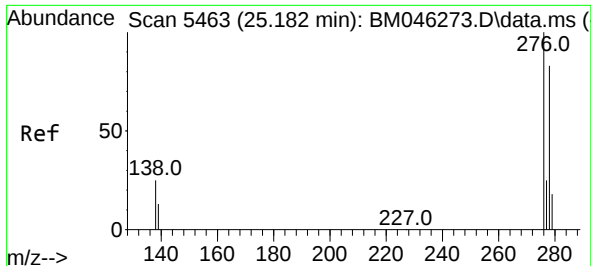
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 2.920 ng/ul
RT: 25.115 min Scan# 5443
Delta R.T. -0.054 min
Lab File: BM046283.D
Acq: 25 Jun 2024 09:52

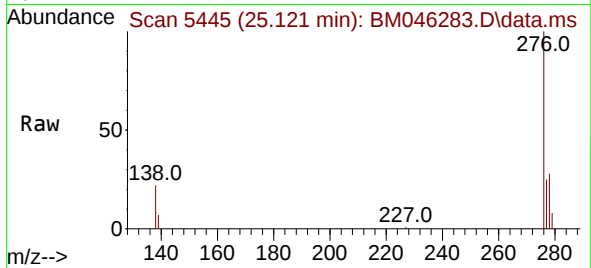
Tgt Ion:276 Resp: 114700
Ion Ratio Lower Upper
276 100
138 23.3 21.0 31.4
227 5.7 0.0 0.0





#28
Dibenzo(a,h)anthracene
Concen: 1.115 ng/ul
RT: 25.121 min Scan# 54
Delta R.T. -0.061 min
Lab File: BM046283.D
Acq: 25 Jun 2024 09:52

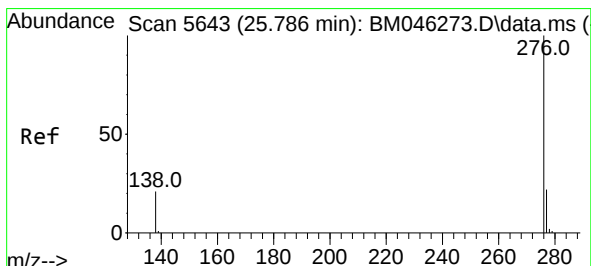
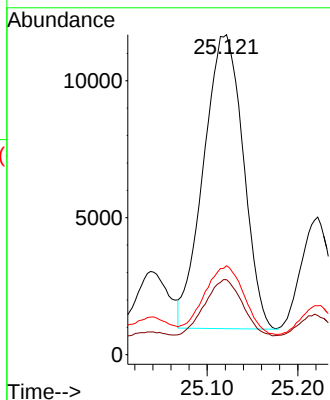
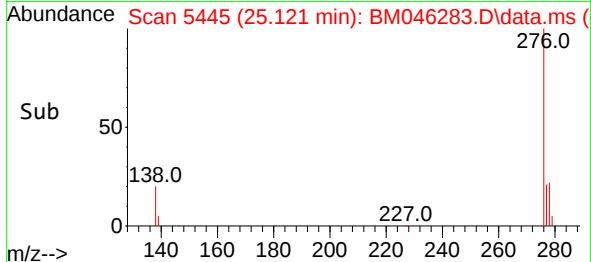
Instrument :
BNA_M
ClientSampleId :
A4C47



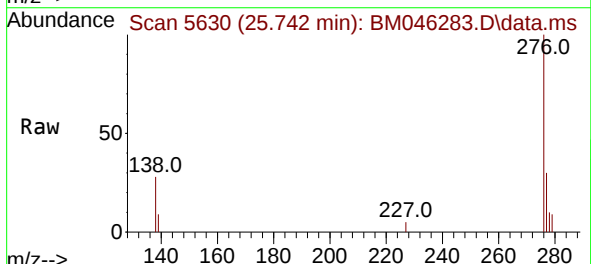
Tgt Ion:278 Resp: 3262
Ion Ratio Lower Upper
278 100
139 23.4 17.6 26.4
279 27.8 26.3 39.5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#29
Benzo(g,h,i)perylene
Concen: 0.489 ng/ul
RT: 25.742 min Scan# 5630
Delta R.T. -0.044 min
Lab File: BM046283.D
Acq: 25 Jun 2024 09:52



Tgt Ion:276 Resp: 16486
Ion Ratio Lower Upper
276 100
138 28.0 21.7 32.5
277 29.7 20.4 30.6

