

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
 Data File : BM046284.D
 Acq On : 25 Jun 2024 10:28
 Operator : MA/JU
 Sample : P2844-23
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C48

Manual Integrations
 APPROVED

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

Quant Time: Jun 25 11:22:48 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

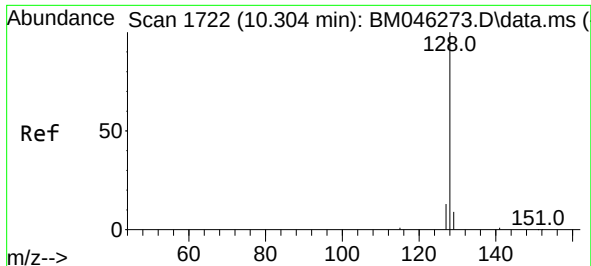
QLast Update : Tue Jun 25 08:04:59 2024

Response via : Initial Calibration

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

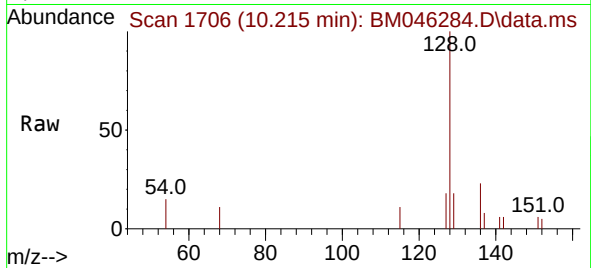
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.396	152	2456	0.400	ng/ul	-0.06
4) Naphthalene-d8	10.165	136	7649	0.400	ng/ul	-0.09
9) Acenaphthene-d10	14.047	164	4112	0.400	ng/ul	-0.04
13) Phenanthrene-d10	16.794	188	8941m	0.400	ng/ul	-0.06
17) Chrysene-d12	21.000	240	7158	0.400	ng/ul	-0.03
23) Perylene-d12	23.087	264	7579m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.021	96	8892	2.639	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.755	152	2354	0.229	ng/ul	-0.12
18) Fluoranthene-d10	18.829	212	4987	0.233	ng/ul	-0.04
Target Compounds					Qvalue	
5) Naphthalene	10.215	128	2922	0.137	ng/ul#	94
7) 2-Methylnaphthalene	11.832	142	1323	0.110	ng/ul	96
8) 1-Methylnaphthalene	12.052	142	1119	0.085	ng/ul	96
10) Acenaphthylene	13.761	152	8637	0.443	ng/ul	99
11) Acenaphthene	14.108	153	1589	0.113	ng/ul	94
12) Fluorene	15.102	166	2134	0.141	ng/ul#	96
15) Phenanthrene	16.832	178	51062m	2.033	ng/ul	
16) Anthracene	16.925	178	12669m	0.677	ng/ul	
19) Fluoranthene	18.857	202	121445	3.918	ng/ul	96
20) Pyrene	19.219	202	95681	2.855	ng/ul	97
21) Benzo(a)anthracene	20.983	228	62641	2.266	ng/ul	98
22) Chrysene	21.032	228	58690	1.663	ng/ul	99
24) Benzo(b)fluoranthene	22.470	252	85086m	3.116	ng/ul	
25) Benzo(k)fluoranthene	22.508	252	30604m	0.943	ng/ul	
26) Benzo(a)pyrene	22.996	252	36354	1.437	ng/ul#	80
27) Indeno(1,2,3-cd)pyrene	25.122	276	39384	0.951	ng/ul#	96
28) Dibenzo(a,h)anthracene	25.132	278	10821	0.351	ng/ul#	90
29) Benzo(g,h,i)perylene	25.746	276	5833	0.164	ng/ul#	81

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



#5
Naphthalene
Concen: 0.137 ng/ul
RT: 10.215 min Scan# 1706
Delta R.T. -0.089 min
Lab File: BM046284.D
Acq: 25 Jun 2024 10:28

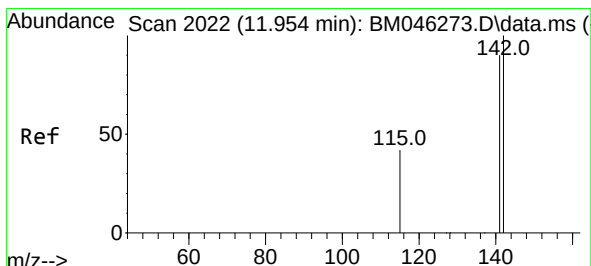
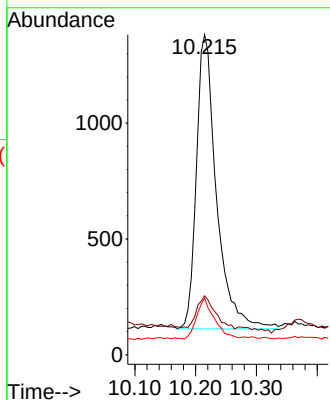
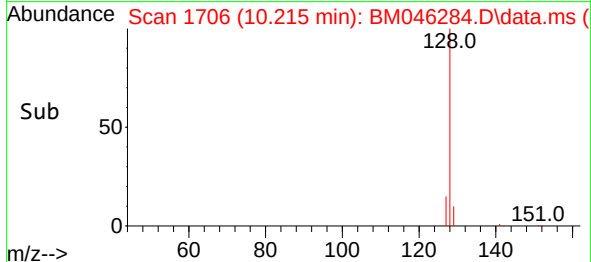
Instrument :
BNA_M
ClientSampleId :
A4C48



Tgt Ion:128 Resp: 292
Ion Ratio Lower Upper
128 100
129 18.5 11.8 17.6
127 17.7 12.8 19.2

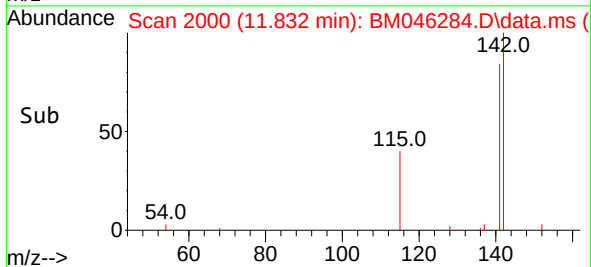
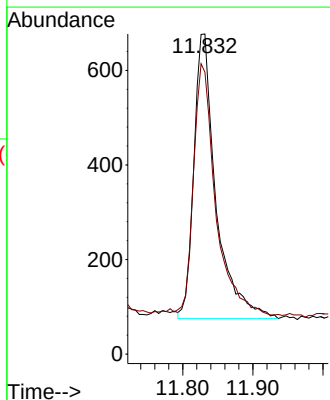
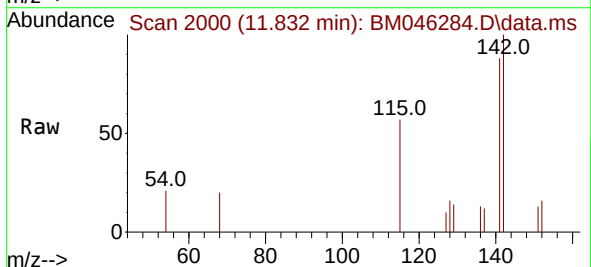
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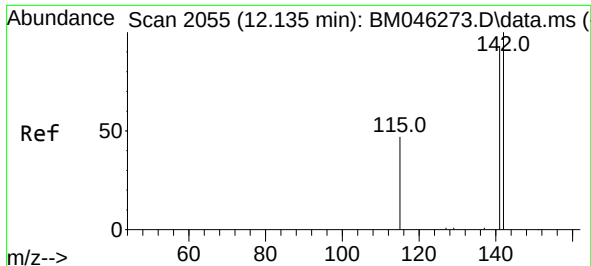
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#7
2-Methylnaphthalene
Concen: 0.110 ng/ul
RT: 11.832 min Scan# 2000
Delta R.T. -0.122 min
Lab File: BM046284.D
Acq: 25 Jun 2024 10:28

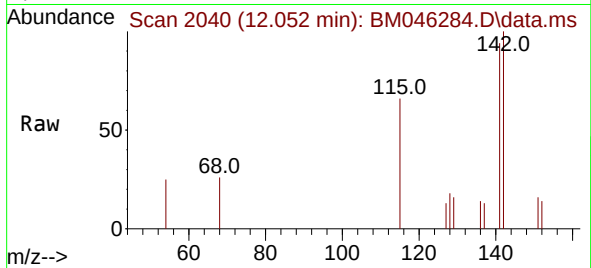
Tgt Ion:142 Resp: 1323
Ion Ratio Lower Upper
142 100
141 89.6 74.6 111.8





#8
1-Methylnaphthalene
Concen: 0.085 ng/ul
RT: 12.052 min Scan# 2055
Delta R.T. -0.084 min
Lab File: BM046284.D
Acq: 25 Jun 2024 10:28

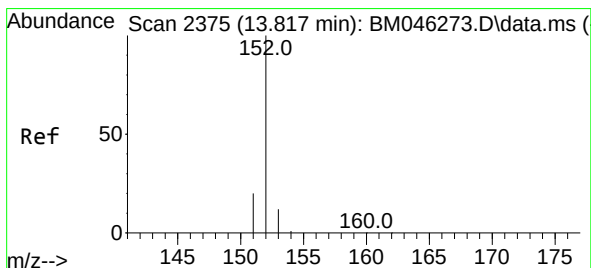
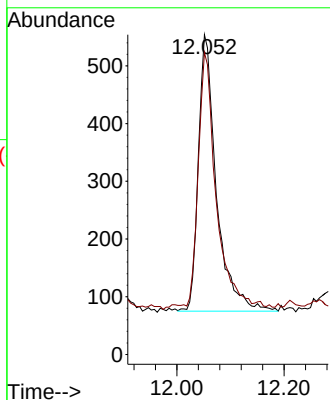
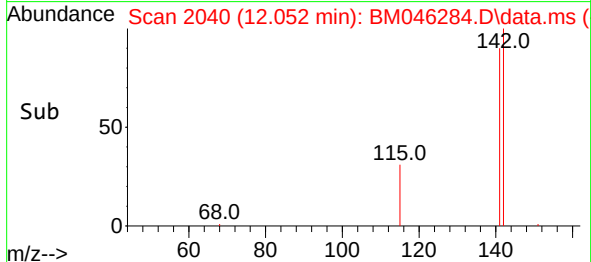
Instrument :
BNA_M
ClientSampleId :
A4C48



Tgt Ion:142 Resp: 1119
Ion Ratio Lower Upper
142 100
141 90.3 75.2 112.8

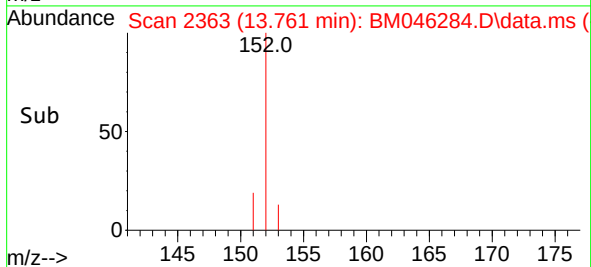
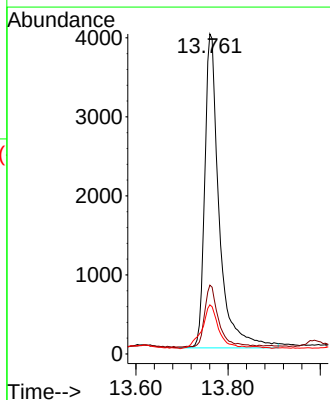
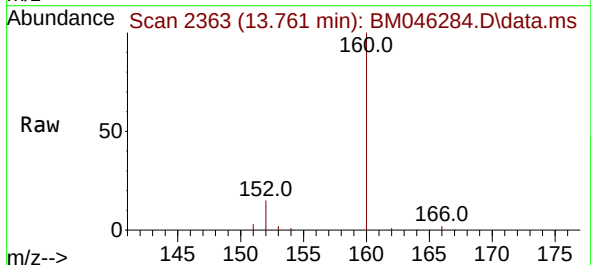
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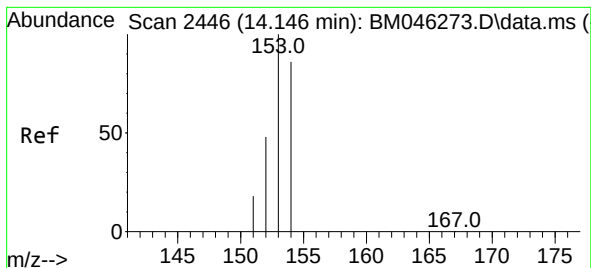
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#10
Acenaphthylene
Concen: 0.443 ng/ul
RT: 13.761 min Scan# 2363
Delta R.T. -0.057 min
Lab File: BM046284.D
Acq: 25 Jun 2024 10:28

Tgt Ion:152 Resp: 8637
Ion Ratio Lower Upper
152 100
151 21.5 17.4 26.2
153 15.3 11.8 17.8





#11

Acenaphthene

Concen: 0.113 ng/ul

RT: 14.108 min Scan# 2446

Delta R.T. -0.038 min

Lab File: BM046284.D

Acq: 25 Jun 2024 10:28

Instrument :

BNA_M

ClientSampleId :

A4C48

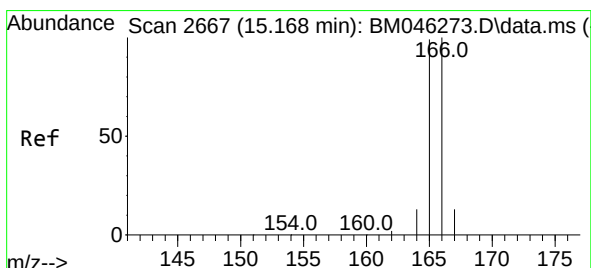
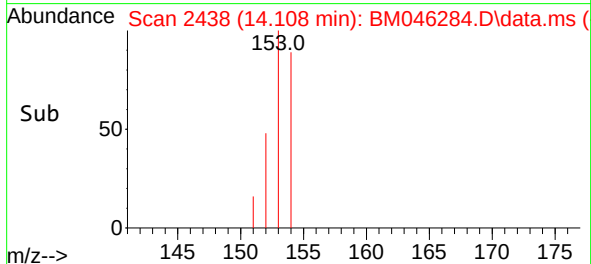
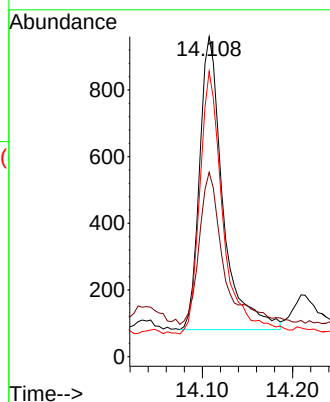
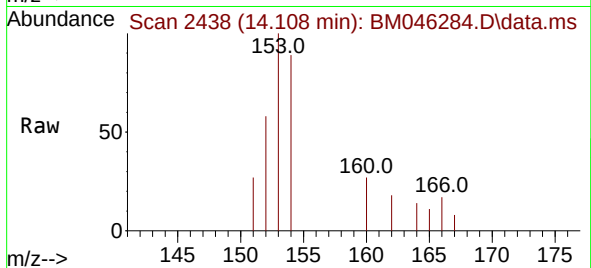
Tgt Ion:153	Resp:	1589
Ion Ratio	Lower	Upper
153	100	
152	57.6	41.3 61.9
154	89.2	68.2 102.4

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Supervised By :mohammad ahmed 06/27/2024



#12

Fluorene

Concen: 0.141 ng/ul

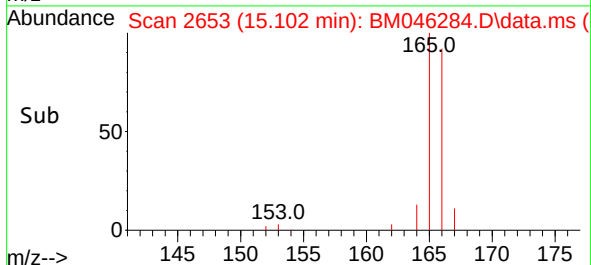
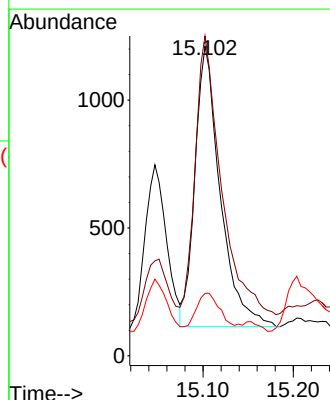
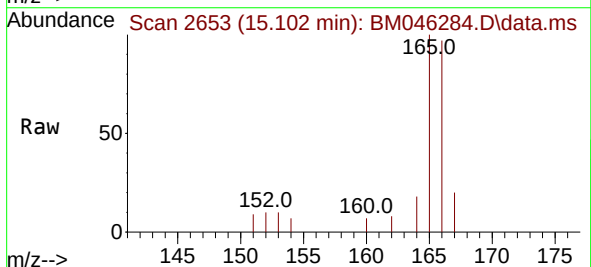
RT: 15.102 min Scan# 2653

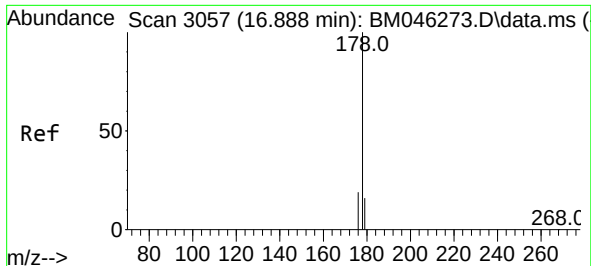
Delta R.T. -0.066 min

Lab File: BM046284.D

Acq: 25 Jun 2024 10:28

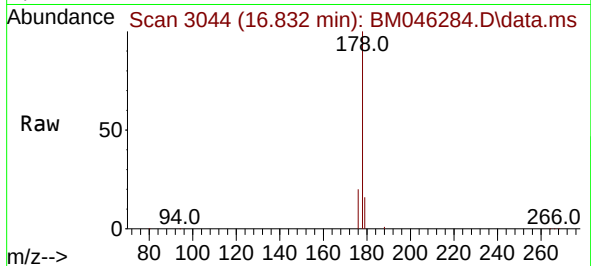
Tgt Ion:166	Resp:	2134
Ion Ratio	Lower	Upper
166	100	
165	103.3	80.4 120.6
167	20.1	12.4 18.6





#15
Phenanthrene
Concen: 2.033 ng/ul m
RT: 16.832 min Scan# 3044
Delta R.T. -0.056 min
Lab File: BM046284.D
Acq: 25 Jun 2024 10:28

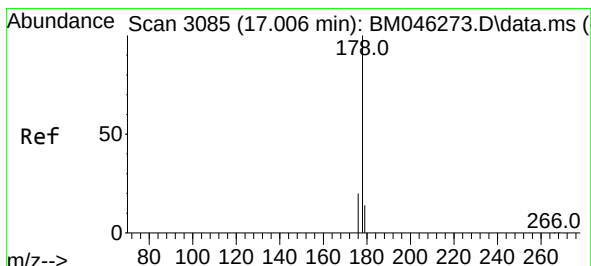
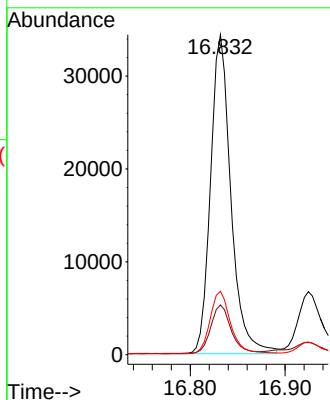
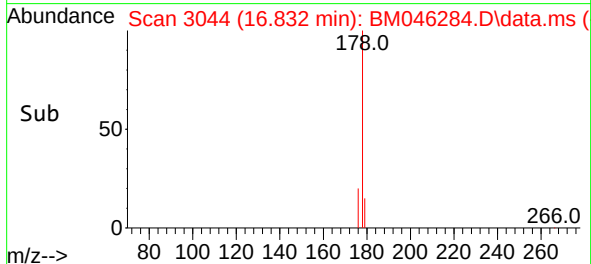
Instrument :
BNA_M
ClientSampleId :
A4C48



Tgt Ion:178 Resp: 51062
Ion Ratio Lower Upper
178 100
179 15.5 14.2 21.2
176 19.8 17.1 25.7

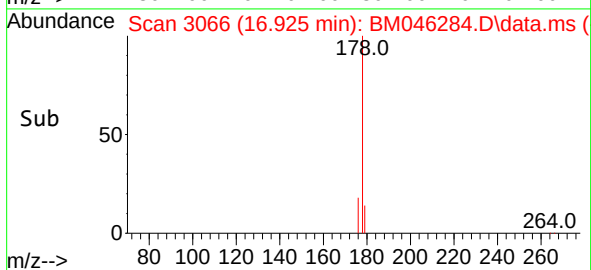
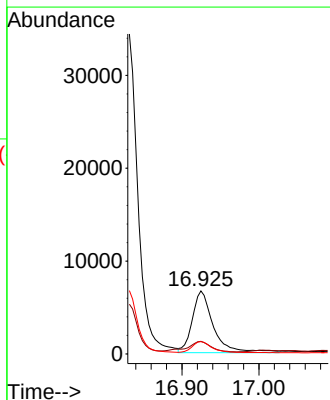
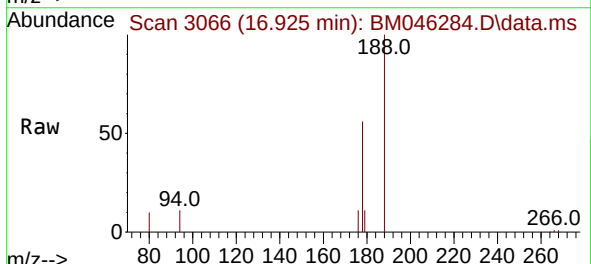
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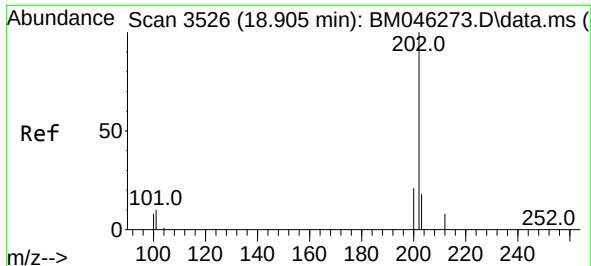
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#16
Anthracene
Concen: 0.677 ng/ul m
RT: 16.925 min Scan# 3066
Delta R.T. -0.082 min
Lab File: BM046284.D
Acq: 25 Jun 2024 10:28

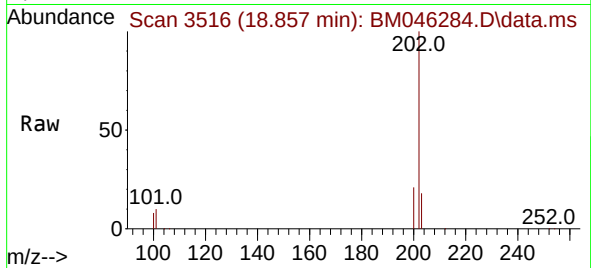
Tgt Ion:178 Resp: 12669
Ion Ratio Lower Upper
178 100
179 20.2 14.9 22.3
176 19.6 17.0 25.4





#19
Fluoranthene
Concen: 3.918 ng/u1
RT: 18.857 min Scan# 316
Delta R.T. -0.048 min
Lab File: BM046284.D
Acq: 25 Jun 2024 10:28

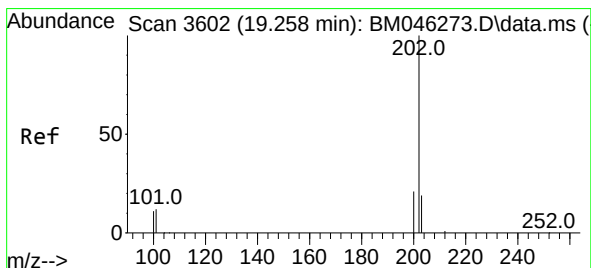
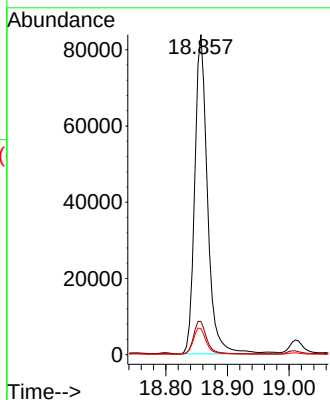
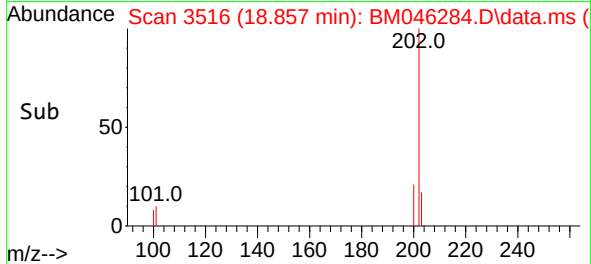
Instrument :
BNA_M
ClientSampleId :
A4C48



Tgt Ion:202 Resp: 12144
Ion Ratio Lower Upper
202 100
101 10.4 9.6 14.4
100 8.2 7.6 11.4

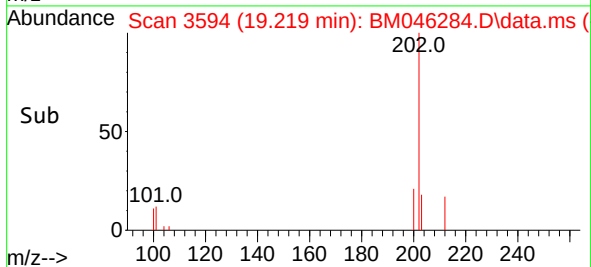
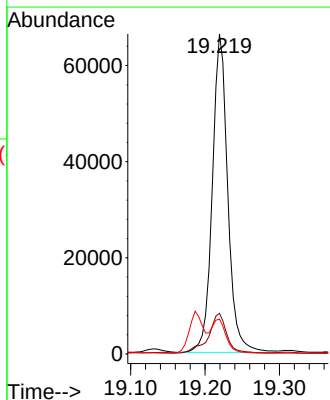
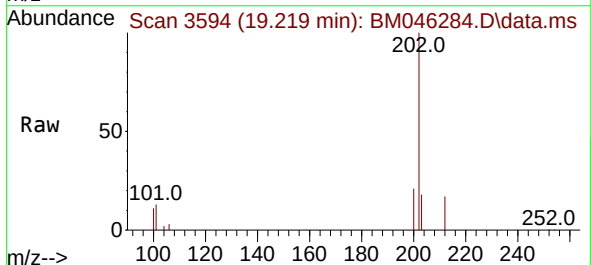
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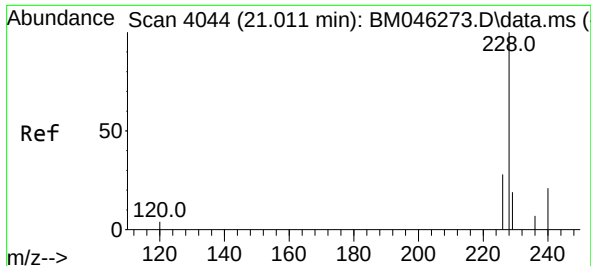
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#20
Pyrene
Concen: 2.855 ng/u1
RT: 19.219 min Scan# 3594
Delta R.T. -0.039 min
Lab File: BM046284.D
Acq: 25 Jun 2024 10:28

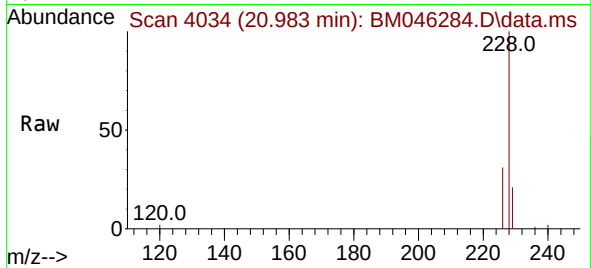
Tgt Ion:202 Resp: 95681
Ion Ratio Lower Upper
202 100
101 12.7 11.3 16.9
100 10.9 9.8 14.6





#21
Benzo(a)anthracene
Concen: 2.266 ng/u1
RT: 20.983 min Scan# 4051
Delta R.T. -0.029 min
Lab File: BM046284.D
Acq: 25 Jun 2024 10:28

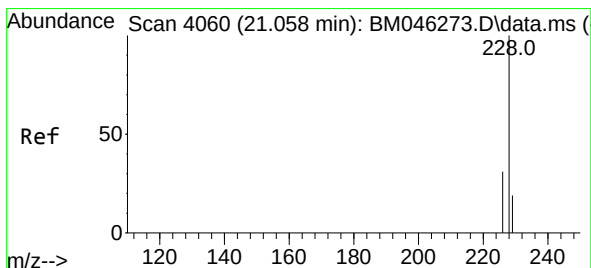
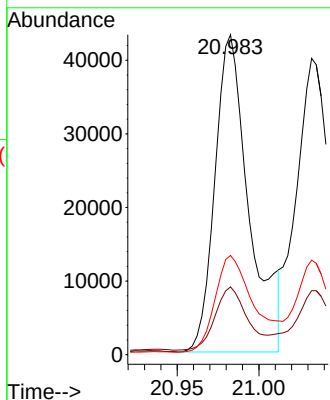
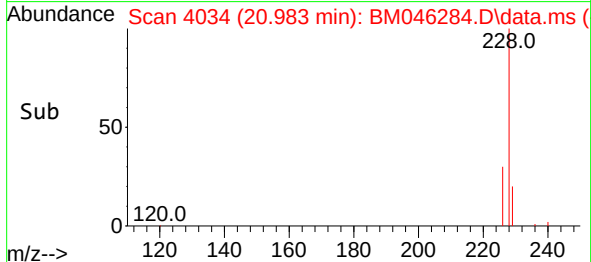
Instrument :
BNA_M
ClientSampleId :
A4C48



Tgt Ion:228 Resp: 6264
Ion Ratio Lower Upper
228 100
229 21.2 16.4 24.6
226 31.0 23.4 35.2

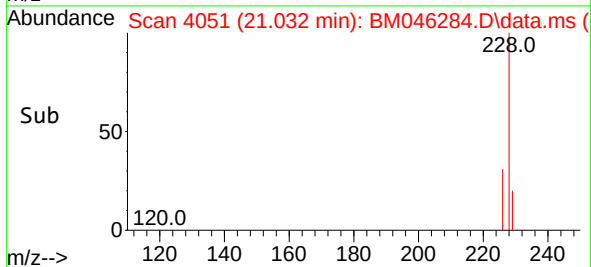
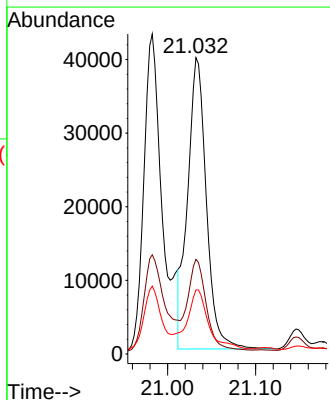
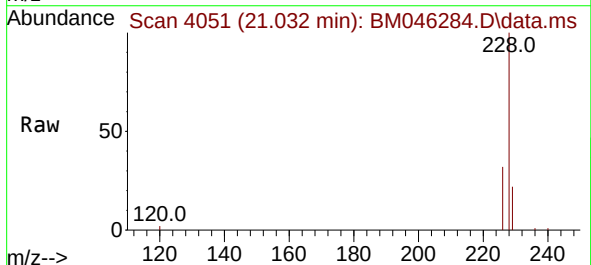
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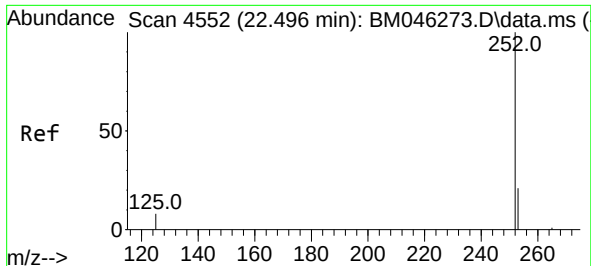
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#22
Chrysene
Concen: 1.663 ng/u1
RT: 21.032 min Scan# 4051
Delta R.T. -0.026 min
Lab File: BM046284.D
Acq: 25 Jun 2024 10:28

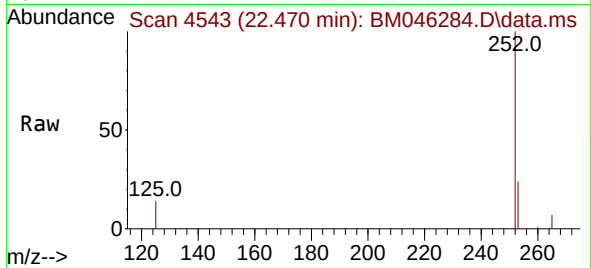
Tgt Ion:228 Resp: 58690
Ion Ratio Lower Upper
228 100
226 31.9 25.2 37.8
229 21.6 16.3 24.5





#24
Benzo(b)fluoranthene
Concen: 3.116 ng/ul m
RT: 22.470 min Scan# 4543
Delta R.T. -0.026 min
Lab File: BM046284.D
Acq: 25 Jun 2024 10:28

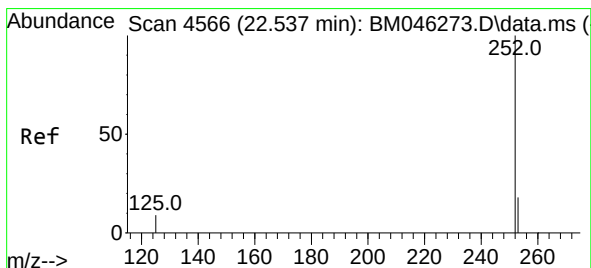
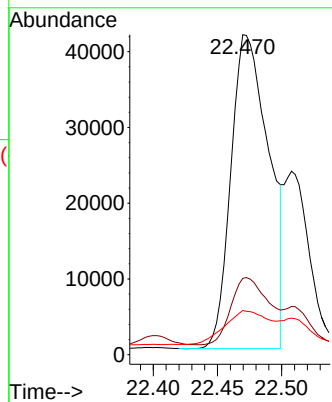
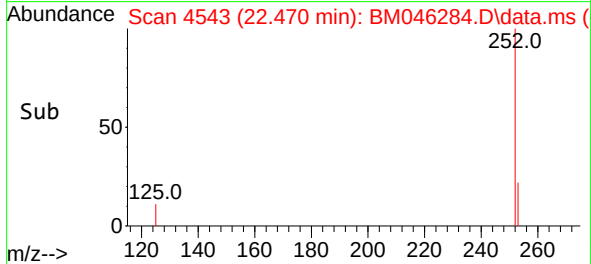
Instrument :
BNA_M
ClientSampleId :
A4C48



Tgt Ion:252 Resp: 85080
Ion Ratio Lower Upper
252 100
253 23.9 0.0 65.8
125 13.8 0.0 40.2

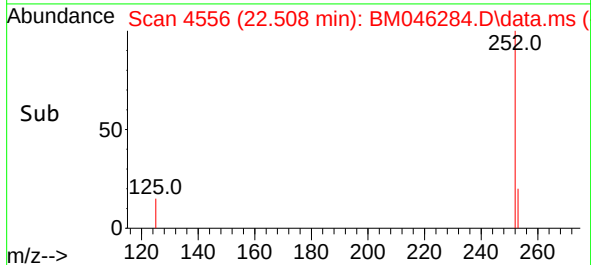
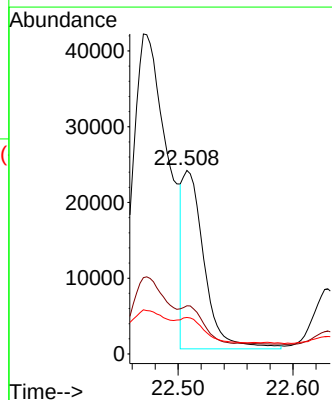
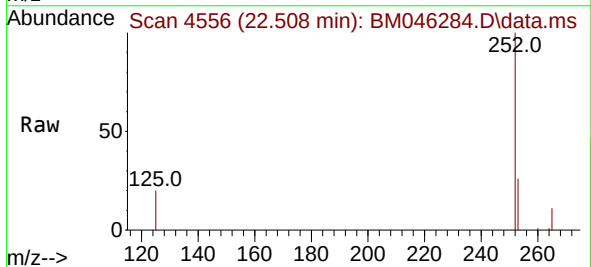
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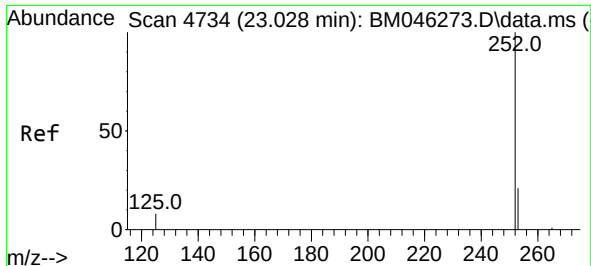
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#25
Benzo(k)fluoranthene
Concen: 0.943 ng/ul m
RT: 22.508 min Scan# 4556
Delta R.T. -0.029 min
Lab File: BM046284.D
Acq: 25 Jun 2024 10:28

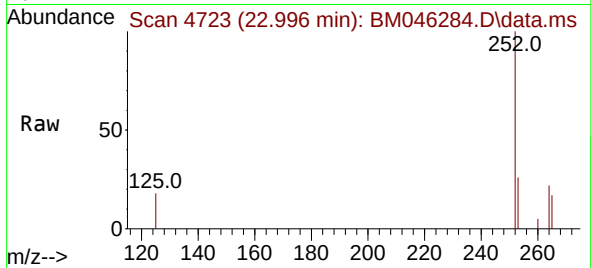
Tgt Ion:252 Resp: 30604
Ion Ratio Lower Upper
252 100
253 26.2 27.2 40.8#
125 19.8 16.6 25.0





#26
Benzo(a)pyrene
Concen: 1.437 ng/ul
RT: 22.996 min Scan# 41
Delta R.T. -0.032 min
Lab File: BM046284.D
Acq: 25 Jun 2024 10:28

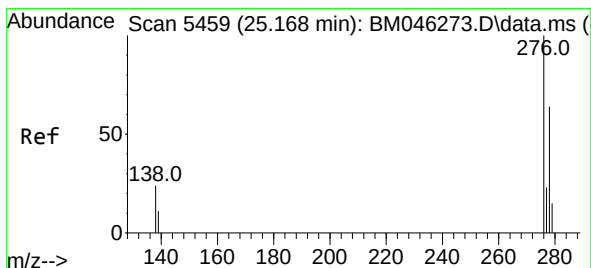
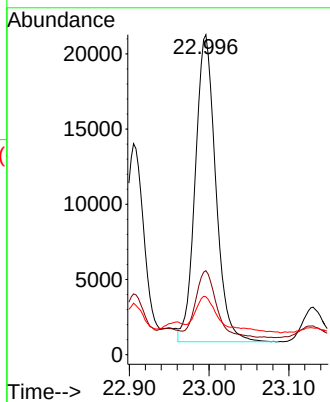
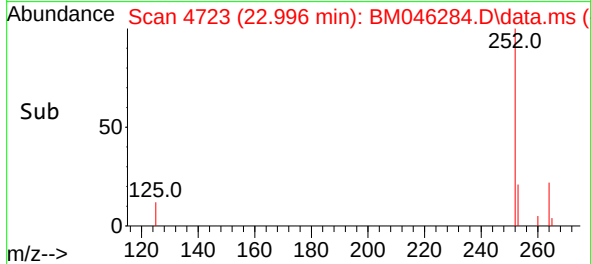
Instrument :
BNA_M
ClientSampleId :
A4C48



Tgt Ion:252 Resp: 36354
Ion Ratio Lower Upper
252 100
253 26.2 32.1 48.1
125 18.1 21.2 31.8

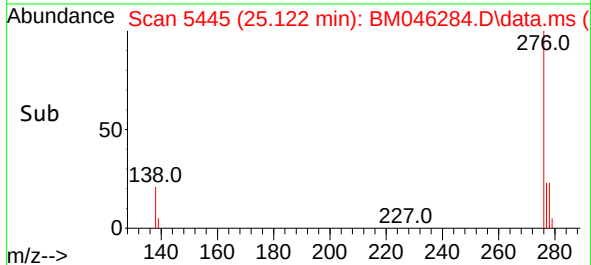
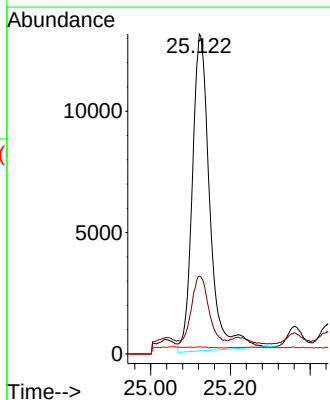
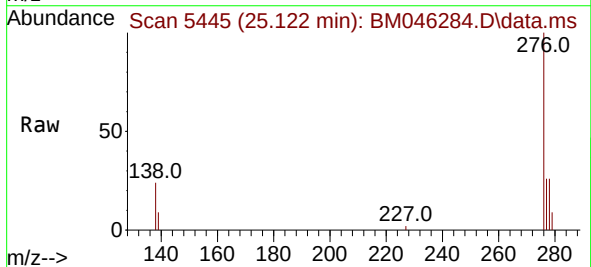
Manual Integrations
APPROVED

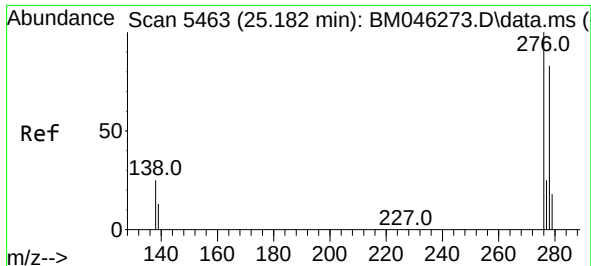
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.951 ng/ul
RT: 25.122 min Scan# 5445
Delta R.T. -0.047 min
Lab File: BM046284.D
Acq: 25 Jun 2024 10:28

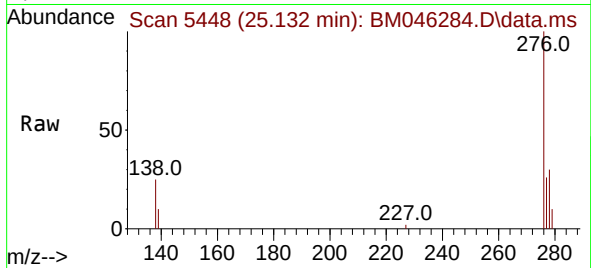
Tgt Ion:276 Resp: 39384
Ion Ratio Lower Upper
276 100
138 28.5 21.0 31.4
227 0.0 0.0 0.0





#28
Dibenzo(a,h)anthracene
Concen: 0.351 ng/ul
RT: 25.132 min Scan# 5463
Delta R.T. -0.050 min
Lab File: BM046284.D
Acq: 25 Jun 2024 10:28

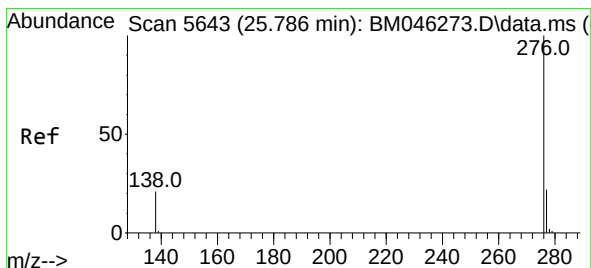
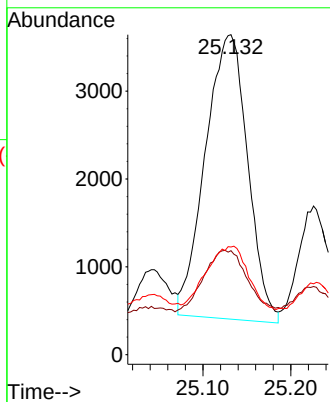
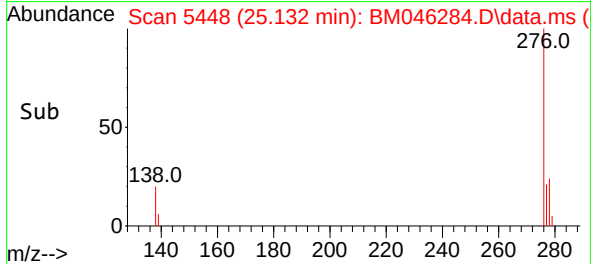
Instrument :
BNA_M
ClientSampleId :
A4C48



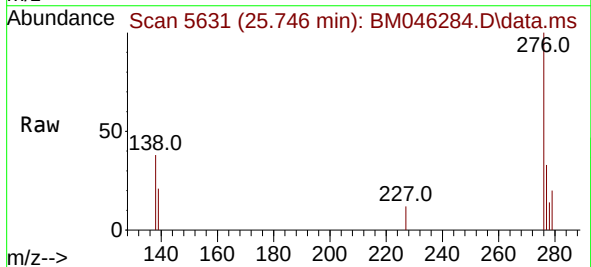
Tgt Ion:278 Resp: 1082
Ion Ratio Lower Upper
278 100
139 32.5 17.6 26.4#
279 33.7 26.3 39.5

Manual Integrations
APPROVED

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



#29
Benzo(g,h,i)perylene
Concen: 0.164 ng/ul
RT: 25.746 min Scan# 5631
Delta R.T. -0.040 min
Lab File: BM046284.D
Acq: 25 Jun 2024 10:28



Tgt Ion:276 Resp: 5833
Ion Ratio Lower Upper
276 100
138 38.1 21.7 32.5#
277 33.5 20.4 30.6#

