

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
 Data File : BM045916.D
 Acq On : 08 Jun 2024 15:03
 Operator : MA/JU
 Sample : P2640-13
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C33

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/10/2024
 Supervised By :mohammad ahmed 06/13/2024

Quant Time: Jun 10 01:28:37 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 07 22:59:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.464	152	6616	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.231	136	22793	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.108	164	12445	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.849	188	27885m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.044	240	16846m	0.400	ng/ul	0.00
23) Perylene-d12	23.151	264	16176m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.059	96	26108	3.465	ng/ul	-0.03
6) 2-Methylnaphthalene-d10	11.837	152	7301	0.223	ng/ul	-0.01
18) Fluoranthene-d10	18.880	212	15924	0.316	ng/ul	-0.01
Target Compounds					Qvalue	
5) Naphthalene	10.281	128	7781	0.131	ng/ul	96
7) 2-Methylnaphthalene	11.914	142	2950	0.078	ng/ul	99
8) 1-Methylnaphthalene	12.134	142	2356	0.057	ng/ul	98
10) Acenaphthylene	13.825	152	13967	0.247	ng/ul	99
11) Acenaphthene	14.172	153	8997	0.216	ng/ul	99
12) Fluorene	15.158	166	10299	0.222	ng/ul	99
15) Phenanthrene	16.891	178	241130m	3.080	ng/ul	
16) Anthracene	16.980	178	44770m	0.670	ng/ul	
19) Fluoranthene	18.913	202	529686	7.885	ng/ul	97
20) Pyrene	19.275	202	379136	5.410	ng/ul	96
21) Benzo(a)anthracene	21.026	228	190192	3.076	ng/ul	98
22) Chrysene	21.079	228	212910	3.163	ng/ul	99
24) Benzo(b)fluoranthene	22.528	252	257518m	4.800	ng/ul	
25) Benzo(k)fluoranthene	22.563	252	81205m	1.377	ng/ul	
26) Benzo(a)pyrene	23.057	252	106786	2.001	ng/ul#	83
27) Indeno(1,2,3-cd)pyrene	25.209	276	98851	1.433	ng/ul#	96
28) Dibenzo(a,h)anthracene	25.212	278	28033	0.508	ng/ul#	91
29) Benzo(g,h,i)perylene	25.846	276	16723	0.281	ng/ul#	87

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

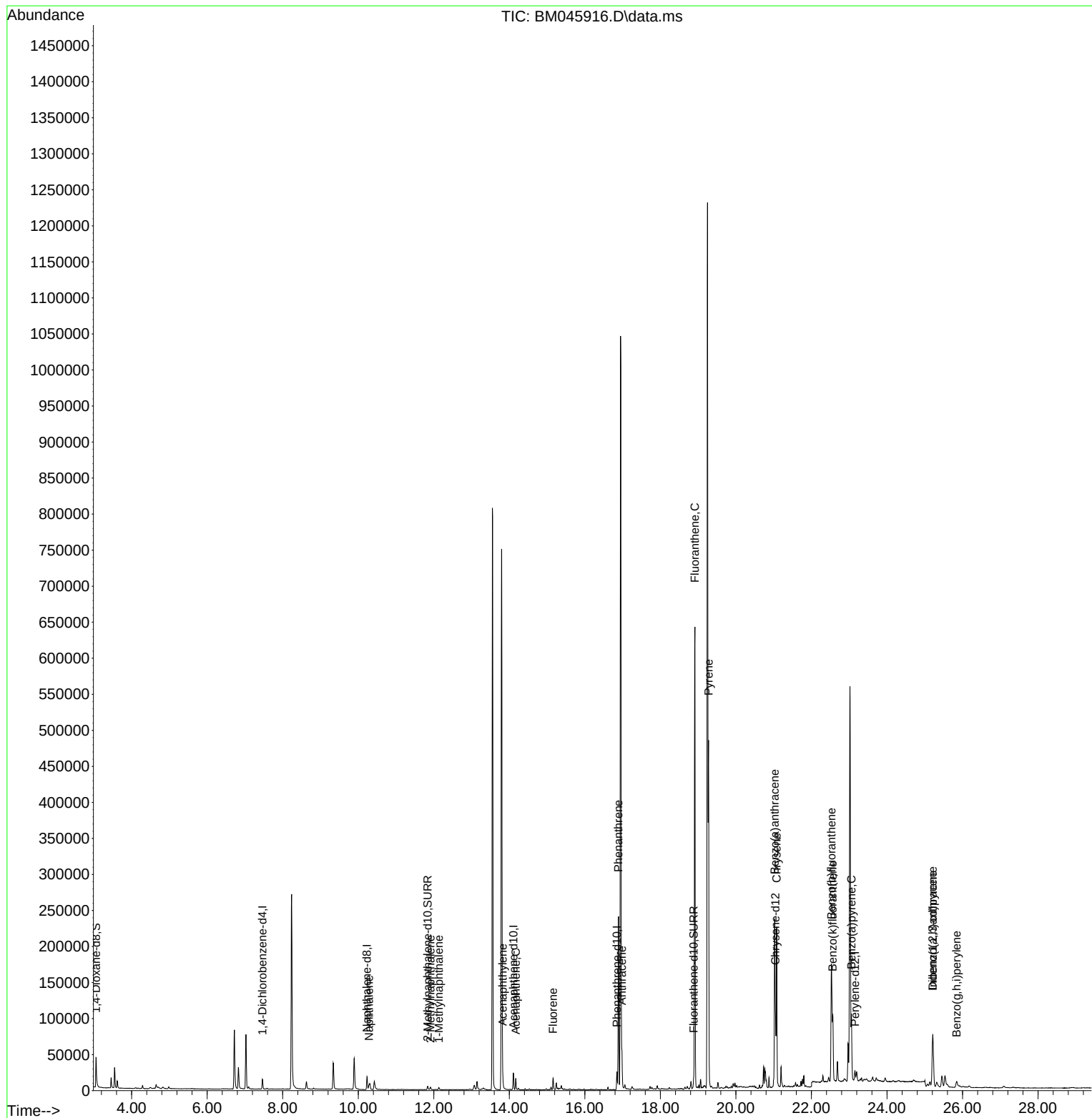
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045916.D
Acq On : 08 Jun 2024 15:03
Operator : MA/JU
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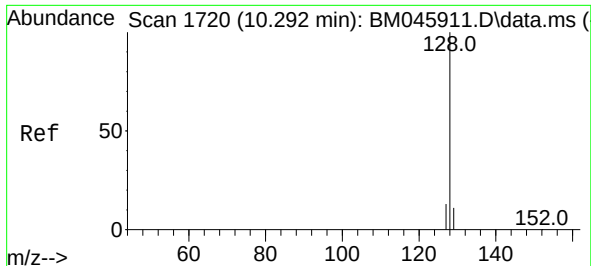
Instrument :
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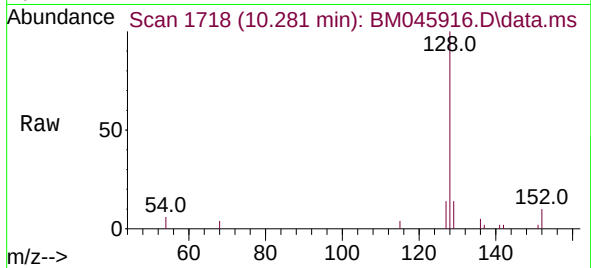
Quant Time: Jun 10 01:28:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 07 22:59:16 2024
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.131 ng/ul
RT: 10.281 min Scan# 1718
Delta R.T. -0.022 min
Lab File: BM045916.D
Acq: 08 Jun 2024 15:03

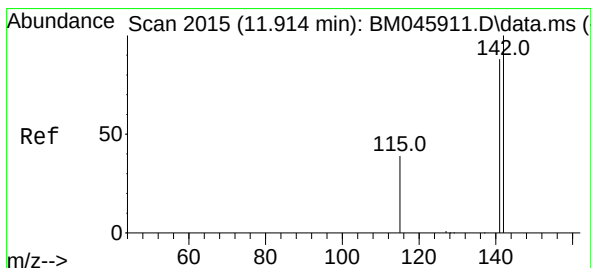
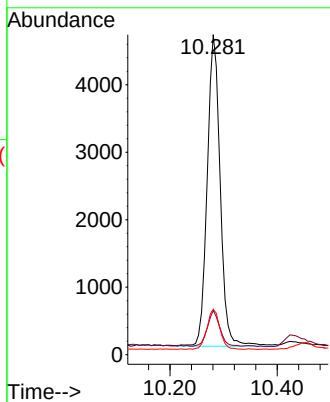
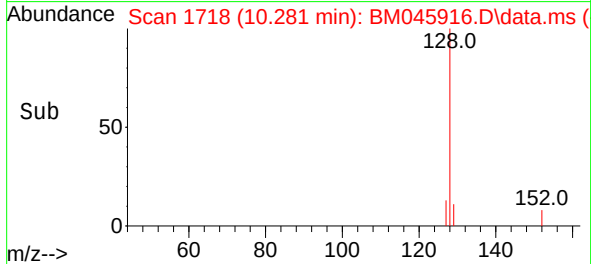
Instrument :
BNA_M
ClientSampleId :
A4C33



Tgt Ion:128 Resp: 778
Ion Ratio Lower Upper
128 100
129 13.8 9.4 14.0
127 14.2 10.6 15.8

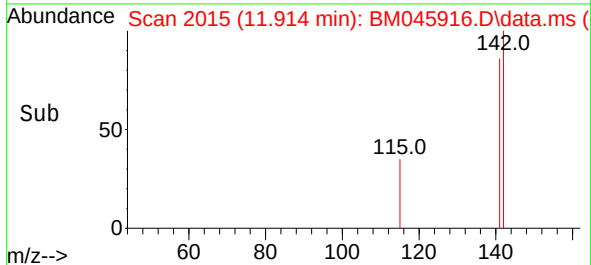
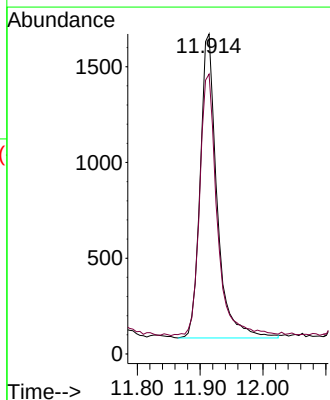
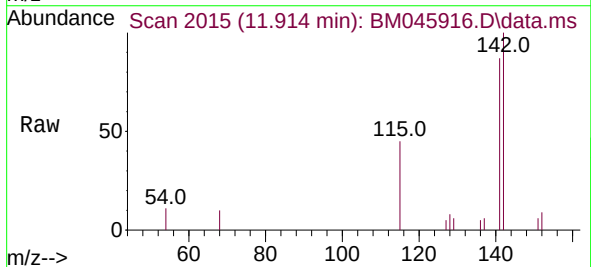
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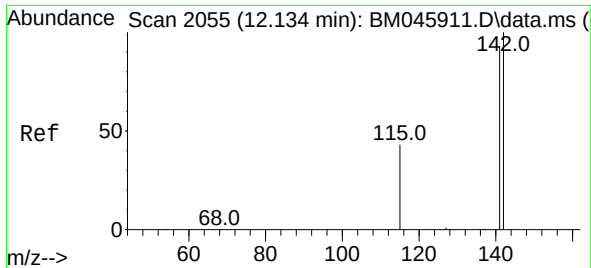
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



#7
2-Methylnaphthalene
Concen: 0.078 ng/ul
RT: 11.914 min Scan# 2015
Delta R.T. -0.005 min
Lab File: BM045916.D
Acq: 08 Jun 2024 15:03

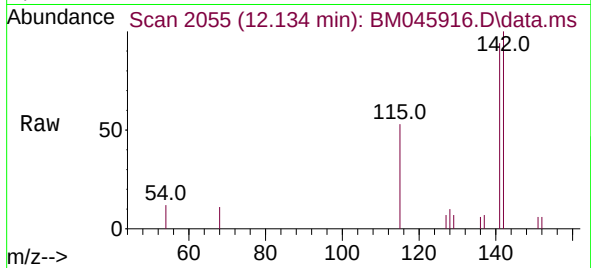
Tgt Ion:142 Resp: 2950
Ion Ratio Lower Upper
142 100
141 89.2 72.2 108.4





#8
1-Methylnaphthalene
Concen: 0.057 ng/ul
RT: 12.134 min Scan# 2055
Delta R.T. -0.011 min
Lab File: BM045916.D
Acq: 08 Jun 2024 15:03

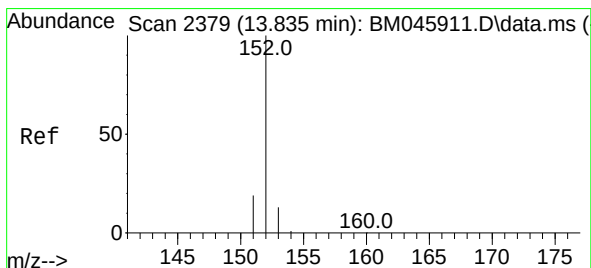
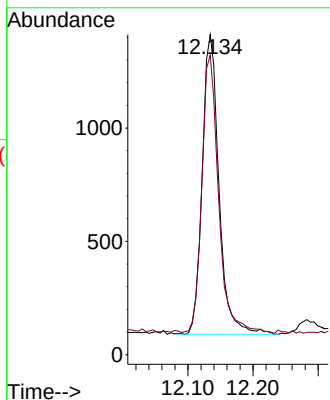
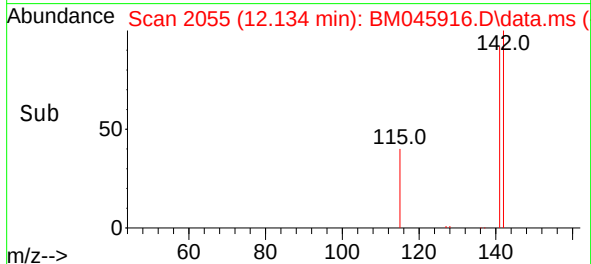
Instrument :
BNA_M
ClientSampleId :
A4C33



Tgt Ion:142 Resp: 2350
Ion Ratio Lower Upper
142 100
141 93.6 73.5 110.3

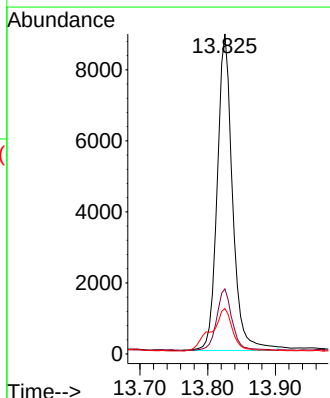
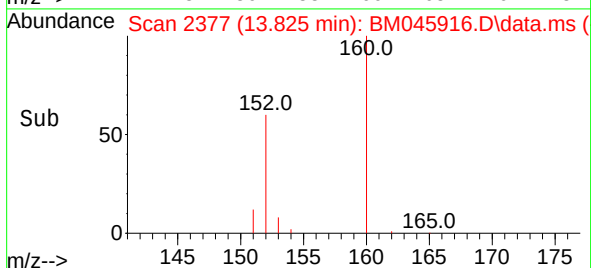
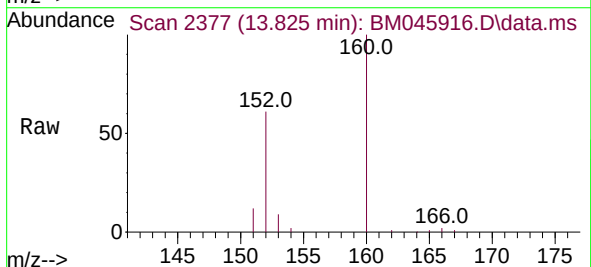
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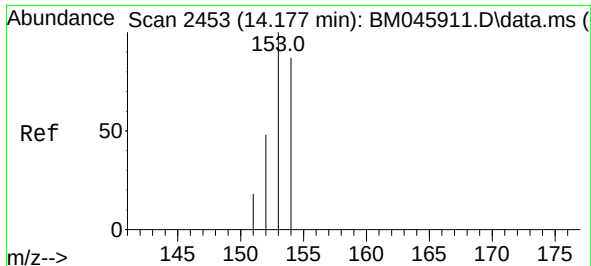
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



#10
Acenaphthylene
Concen: 0.247 ng/ul
RT: 13.825 min Scan# 2377
Delta R.T. -0.014 min
Lab File: BM045916.D
Acq: 08 Jun 2024 15:03

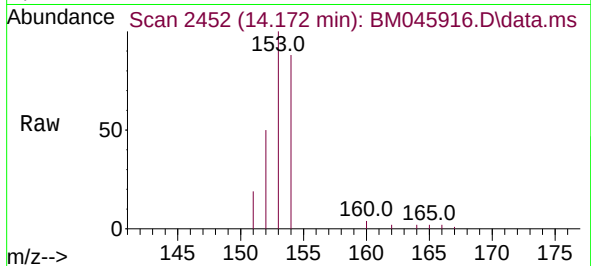
Tgt Ion:152 Resp: 13967
Ion Ratio Lower Upper
152 100
151 20.4 16.4 24.6
153 14.2 11.1 16.7





#11
Acenaphthene
Concen: 0.216 ng/ul
RT: 14.172 min Scan# 2452
Delta R.T. -0.009 min
Lab File: BM045916.D
Acq: 08 Jun 2024 15:03

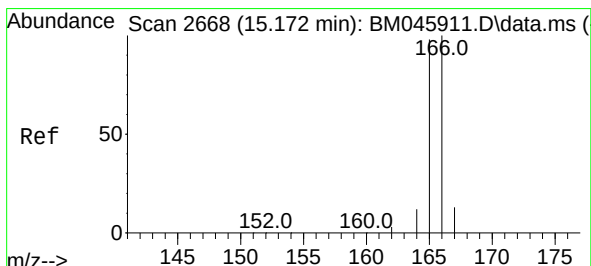
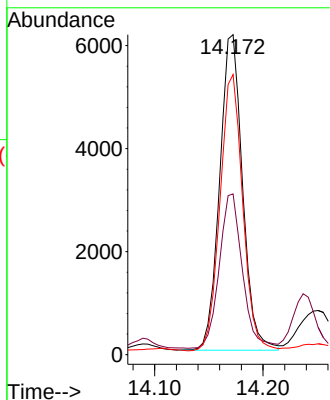
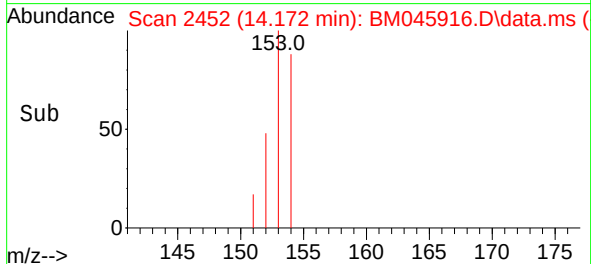
Instrument :
BNA_M
ClientSampleId :
A4C33



Tgt Ion:153 Resp: 899
Ion Ratio Lower Upper
153 100
152 50.2 39.0 58.4
154 87.5 69.4 104.2

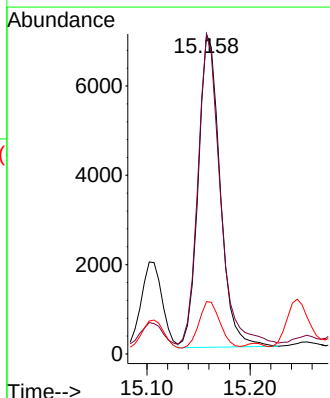
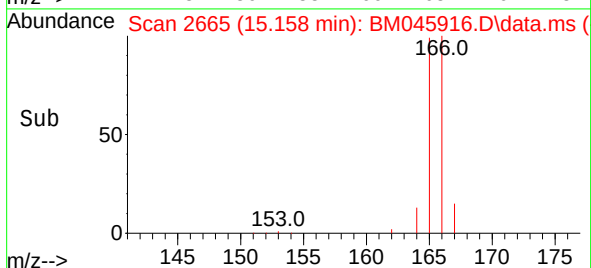
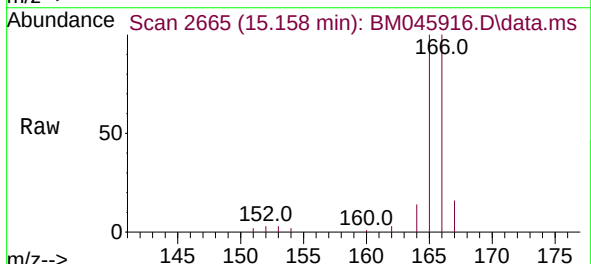
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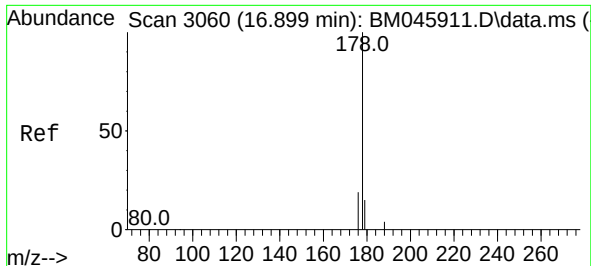
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



#12
Fluorene
Concen: 0.222 ng/ul
RT: 15.158 min Scan# 2665
Delta R.T. -0.019 min
Lab File: BM045916.D
Acq: 08 Jun 2024 15:03

Tgt Ion:166 Resp: 10299
Ion Ratio Lower Upper
166 100
165 99.8 79.7 119.5
167 16.3 11.3 16.9





#15

Phenanthrene

Concen: 3.080 ng/ul m

RT: 16.891 min Scan# 3060

Delta R.T. -0.013 min

Lab File: BM045916.D

Acq: 08 Jun 2024 15:03

Instrument :

BNA_M

ClientSampleId :

A4C33

Tgt Ion:178 Resp: 241130

Ion Ratio Lower Upper

178 100

179 15.5 12.7 19.1

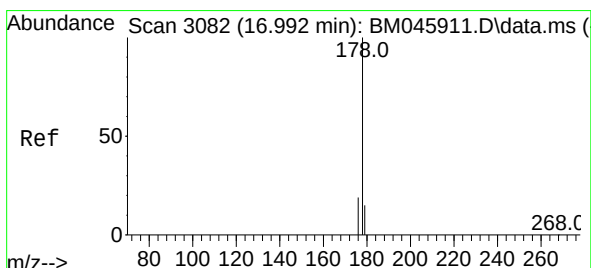
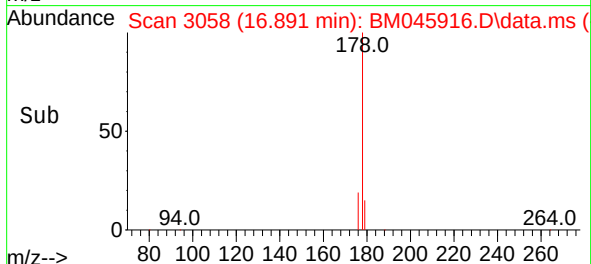
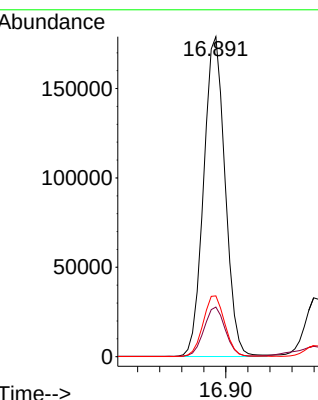
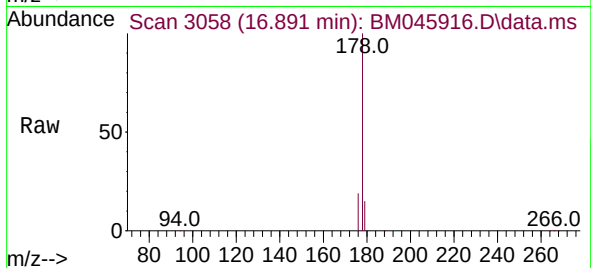
176 19.0 15.6 23.4

Manual Integrations

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Reviewed By :Yogesh Patel 06/10/2024

Supervised By :mohammad ahmed 06/13/2024



#16

Anthracene

Concen: 0.670 ng/ul m

RT: 16.980 min Scan# 3079

Delta R.T. -0.017 min

Lab File: BM045916.D

Acq: 08 Jun 2024 15:03

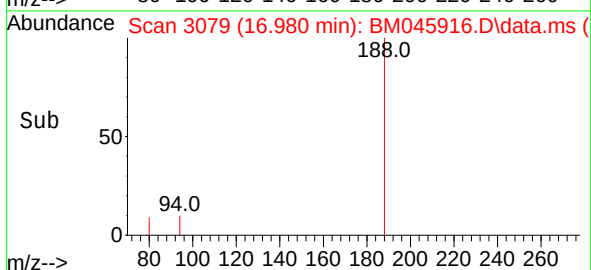
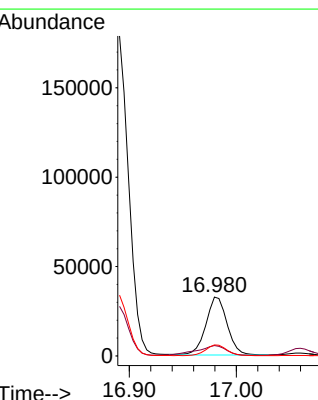
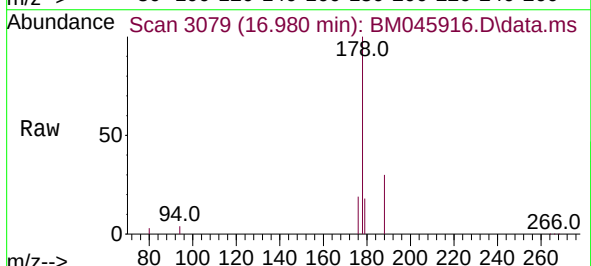
Tgt Ion:178 Resp: 44770

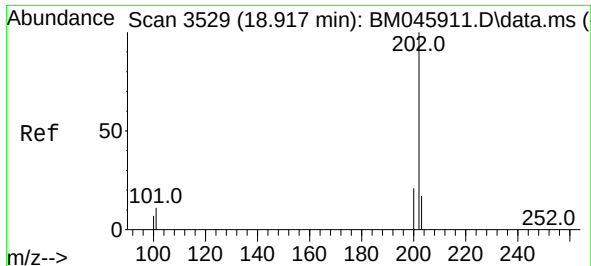
Ion Ratio Lower Upper

178 100

179 17.6 13.1 19.7

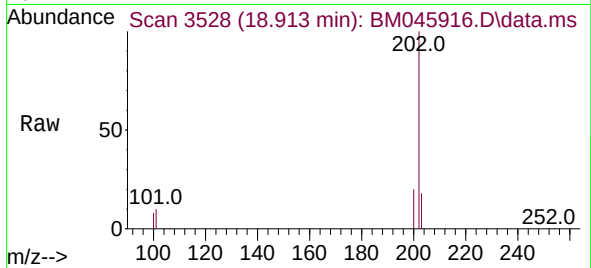
176 18.9 15.5 23.3





#19
Fluoranthene
Concen: 7.885 ng/ul
RT: 18.913 min Scan# 3529
Delta R.T. -0.009 min
Lab File: BM045916.D
Acq: 08 Jun 2024 15:03

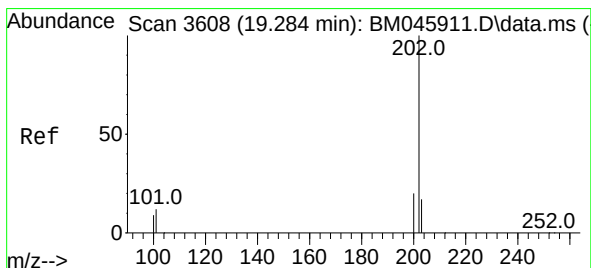
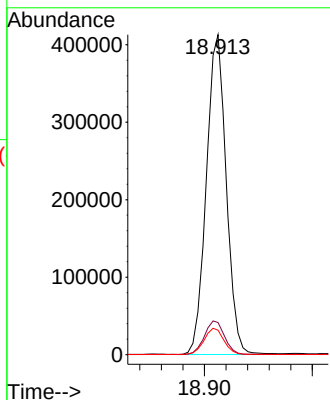
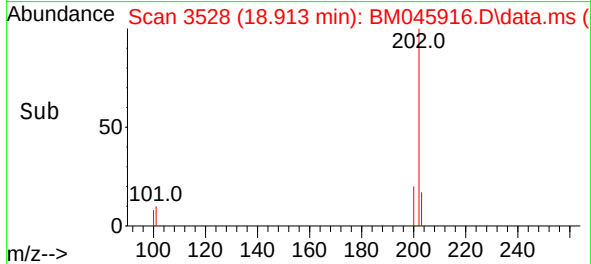
Instrument :
BNA_M
ClientSampleId :
A4C33



Tgt Ion:202 Resp: 529680
Ion Ratio Lower Upper
202 100
101 10.1 9.0 13.6
100 7.6 7.0 10.6

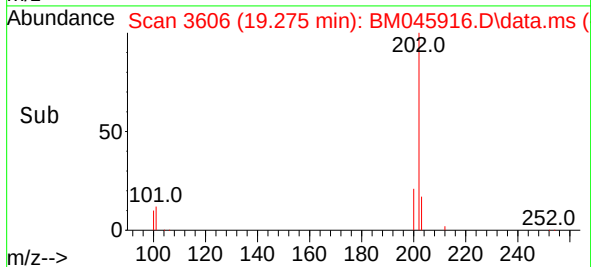
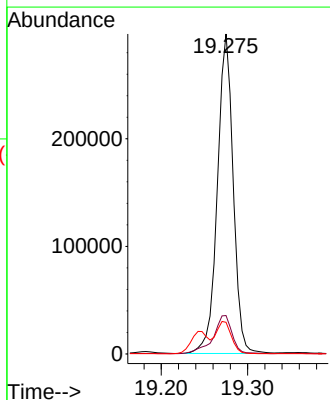
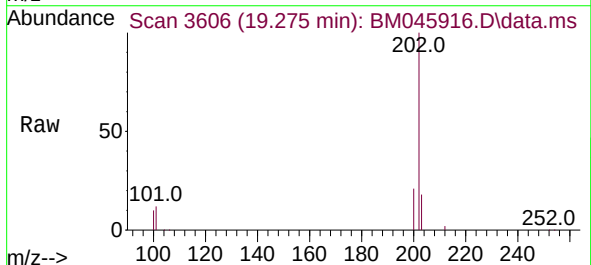
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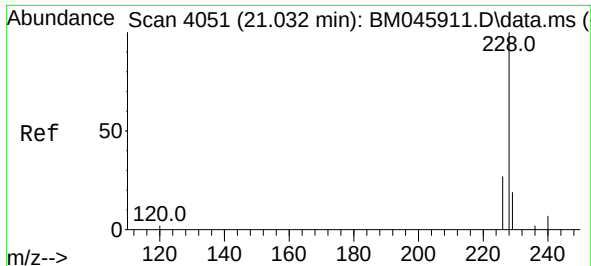
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



#20
Pyrene
Concen: 5.410 ng/ul
RT: 19.275 min Scan# 3606
Delta R.T. -0.009 min
Lab File: BM045916.D
Acq: 08 Jun 2024 15:03

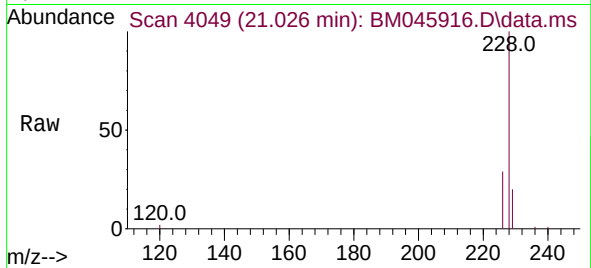
Tgt Ion:202 Resp: 379136
Ion Ratio Lower Upper
202 100
101 12.0 10.6 16.0
100 9.9 9.1 13.7





#21
Benzo(a)anthracene
Concen: 3.076 ng/ul
RT: 21.026 min Scan# 4051
Delta R.T. -0.009 min
Lab File: BM045916.D
Acq: 08 Jun 2024 15:03

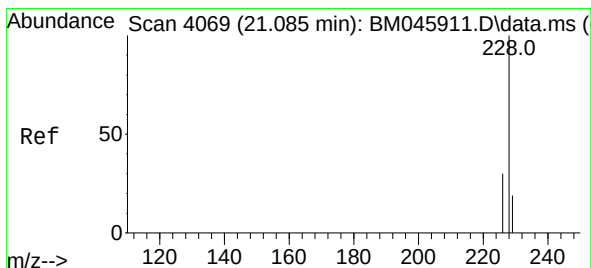
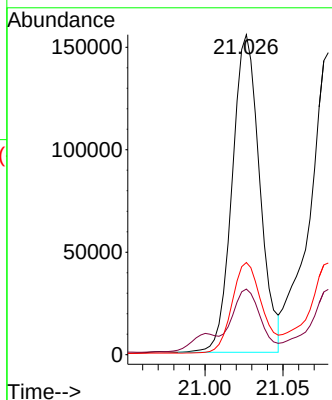
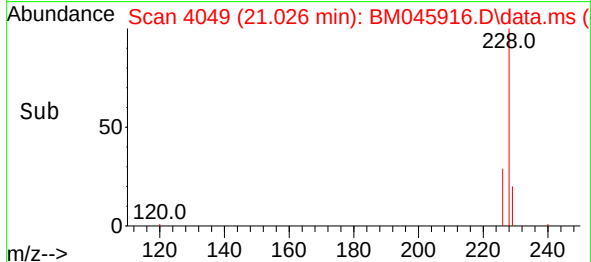
Instrument :
BNA_M
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Tgt Ion:228 Resp: 190192
Ion Ratio Lower Upper
228 100
229 20.5 15.7 23.5
226 28.8 22.0 33.0

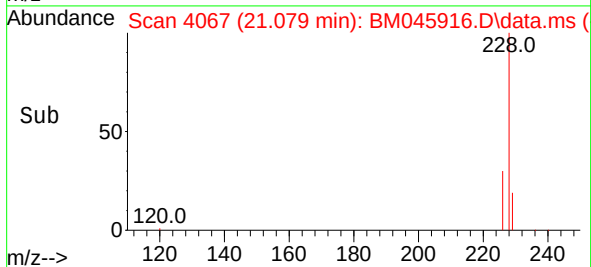
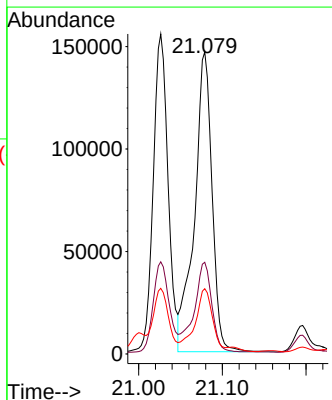
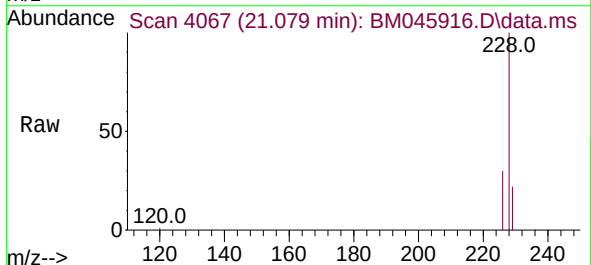
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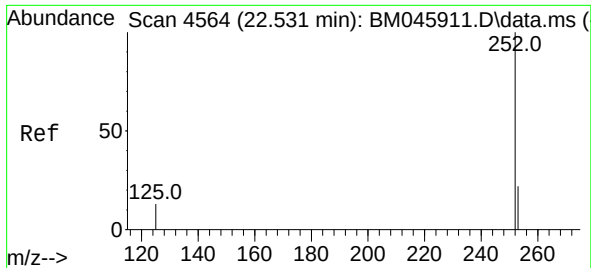
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



#22
Chrysene
Concen: 3.163 ng/ul
RT: 21.079 min Scan# 4067
Delta R.T. -0.009 min
Lab File: BM045916.D
Acq: 08 Jun 2024 15:03

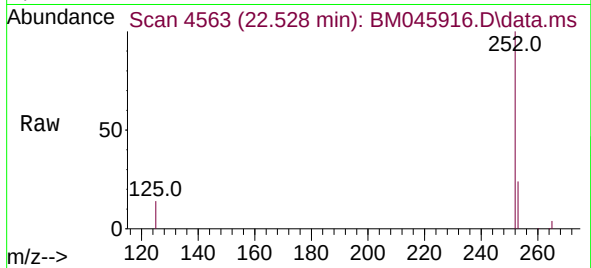
Tgt Ion:228 Resp: 212910
Ion Ratio Lower Upper
228 100
226 30.4 24.5 36.7
229 21.6 16.2 24.2





#24
Benzo(b)fluoranthene
Concen: 4.800 ng/ul m
RT: 22.528 min Scan# 4563
Delta R.T. -0.009 min
Lab File: BM045916.D
Acq: 08 Jun 2024 15:03

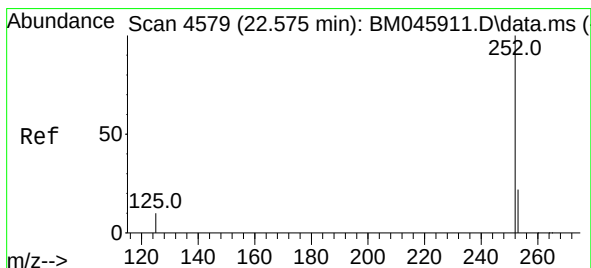
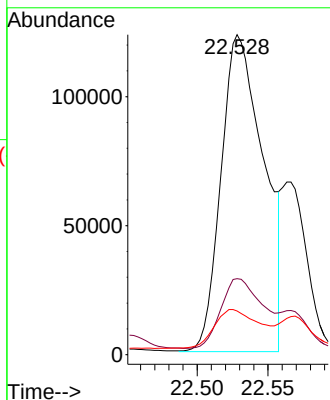
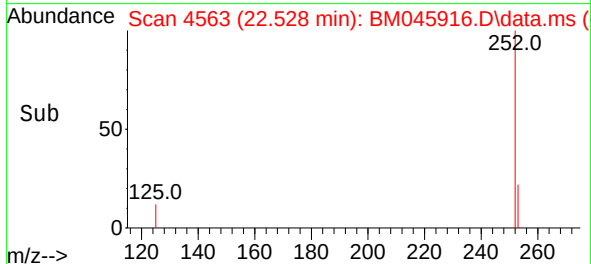
Instrument :
BNA_M
ClientSampleId :
A4C33



Tgt Ion:252 Resp: 257518
Ion Ratio Lower Upper
252 100
253 23.8 0.0 63.6
125 13.7 0.0 35.8

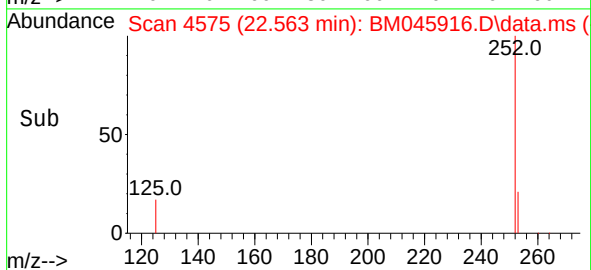
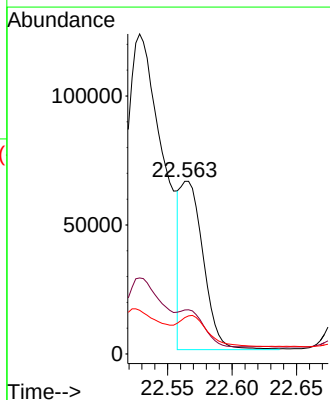
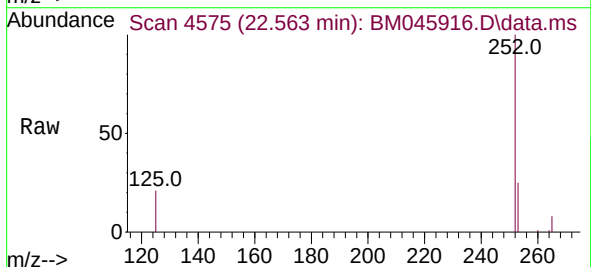
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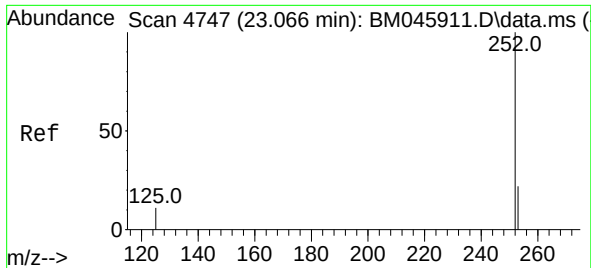
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



#25
Benzo(k)fluoranthene
Concen: 1.377 ng/ul m
RT: 22.563 min Scan# 4575
Delta R.T. -0.018 min
Lab File: BM045916.D
Acq: 08 Jun 2024 15:03

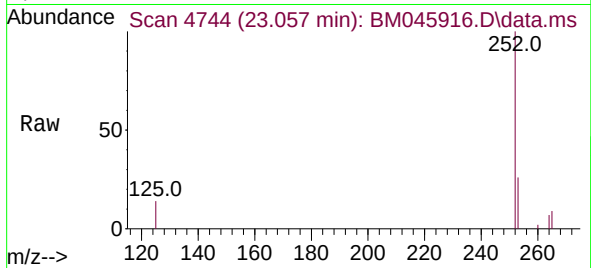
Tgt Ion:252 Resp: 81205
Ion Ratio Lower Upper
252 100
253 25.5 25.0 37.6
125 21.1 14.2 21.2





#26
Benzo(a)pyrene
Concen: 2.001 ng/ul
RT: 23.057 min Scan# 41
Delta R.T. -0.015 min
Lab File: BM045916.D
Acq: 08 Jun 2024 15:03

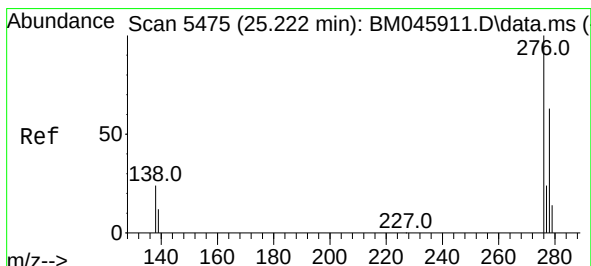
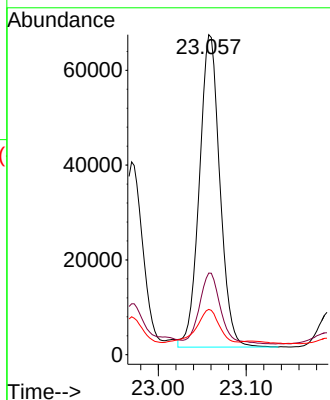
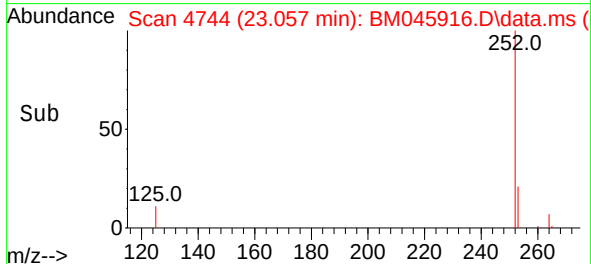
Instrument :
BNA_M
ClientSampleId :
A4C33



Tgt Ion:252 Resp: 106780
Ion Ratio Lower Upper
252 100
253 25.5 28.8 43.2
125 14.2 17.3 25.9

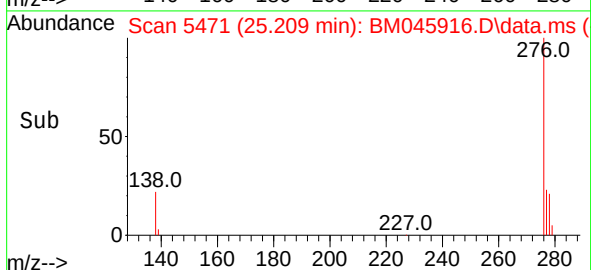
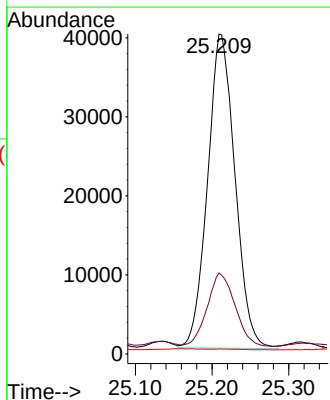
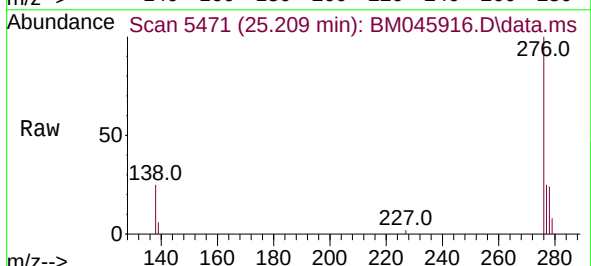
Manual Integrations
APPROVED

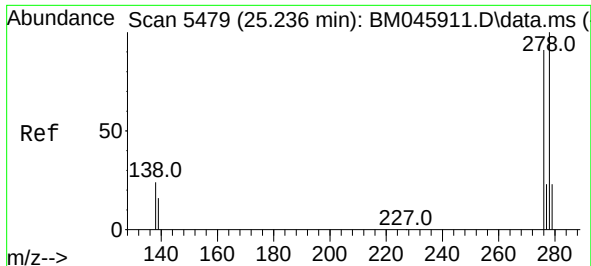
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 1.433 ng/ul
RT: 25.209 min Scan# 5471
Delta R.T. -0.023 min
Lab File: BM045916.D
Acq: 08 Jun 2024 15:03

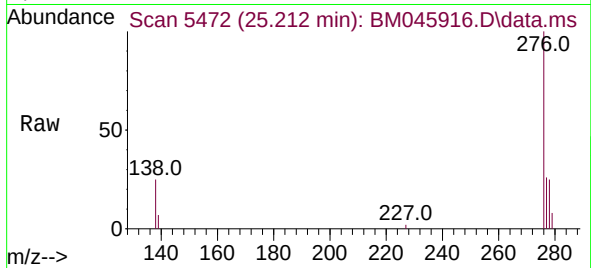
Tgt Ion:276 Resp: 98851
Ion Ratio Lower Upper
276 100
138 23.8 20.7 31.1
227 0.0 0.2 0.2





#28
Dibenzo(a,h)anthracene
Concen: 0.508 ng/ul
RT: 25.212 min Scan# 5472
Delta R.T. -0.036 min
Lab File: BM045916.D
Acq: 08 Jun 2024 15:03

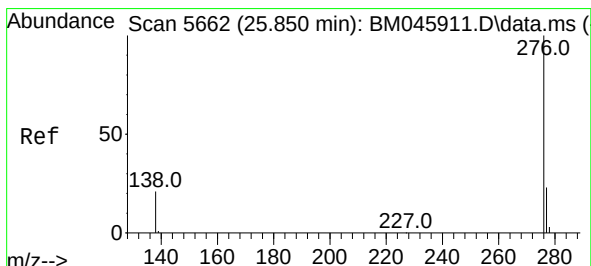
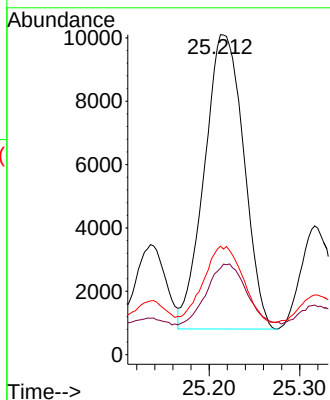
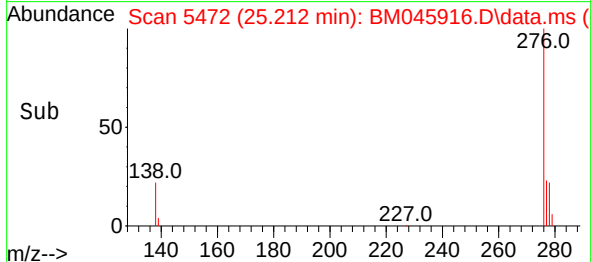
Instrument :
BNA_M
ClientSampleId :
A4C33



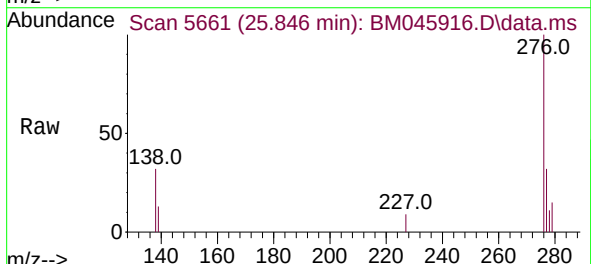
Tgt Ion:278 Resp: 2803
Ion Ratio Lower Upper
278 100
139 27.0 16.6 25.0#
279 33.9 24.6 37.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



#29
Benzo(g,h,i)perylene
Concen: 0.281 ng/ul
RT: 25.846 min Scan# 5661
Delta R.T. -0.016 min
Lab File: BM045916.D
Acq: 08 Jun 2024 15:03



Tgt Ion:276 Resp: 16723
Ion Ratio Lower Upper
276 100
138 32.3 21.0 31.4#
277 32.2 20.5 30.7#

