

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
 Data File : BM045914.D
 Acq On : 08 Jun 2024 13:51
 Operator : MA/JU
 Sample : P2640-06MSD
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C15MSD

Manual Integrations
 APPROVED

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

Quant Time: Jun 10 01:28:15 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	7.468	152	6982	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.238	136	23062	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.109	164	13062	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.850	188	29069	0.400	ng/ul	-0.02
17) Chrysene-d12	21.044	240	17501	0.400	ng/ul	# 0.00
23) Perylene-d12	23.151	264	19742	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.063	96	3576	0.450	ng/ul	-0.02
6) 2-Methylnaphthalene-d10	11.833	152	9326	0.281	ng/ul	-0.02
18) Fluoranthene-d10	18.881	212	19791	0.378	ng/ul	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.092	88	8864	0.974	ng/ul#	72
5) Naphthalene	10.288	128	41605	0.690	ng/ul	99
7) 2-Methylnaphthalene	11.910	142	20048	0.522	ng/ul	100
8) 1-Methylnaphthalene	12.130	142	18364	0.439	ng/ul	98
10) Acenaphthylene	13.827	152	49347	0.831	ng/ul	99
11) Acenaphthene	14.169	153	54733	1.254	ng/ul	99
12) Fluorene	15.164	166	68364	1.401	ng/ul	98
14) Pentachlorophenol	16.529	266	3616	0.665	ng/ul	97
15) Phenanthrene	16.888	178	1077196	13.198	ng/ul	99
16) Anthracene	16.981	178	213282	3.064	ng/ul	99
19) Fluoranthene	18.909	202	1957362	28.048	ng/ul	100
20) Pyrene	19.276	202	1422605	19.542	ng/ul	96
21) Benzo(a)anthracene	21.026	228	726486	11.309	ng/ul	99
22) Chrysene	21.079	228	752242	10.756	ng/ul	99
24) Benzo(b)fluoranthene	22.531	252	861817m	13.161	ng/ul	
25) Benzo(k)fluoranthene	22.569	252	323856m	4.501	ng/ul	
26) Benzo(a)pyrene	23.057	252	367133	5.638	ng/ul#	79
27) Indeno(1,2,3-cd)pyrene	25.215	276	324927	3.859	ng/ul	93
28) Dibenzo(a,h)anthracene	25.222	278	107847	1.602	ng/ul	94
29) Benzo(g,h,i)perylene	25.843	276	49405	0.680	ng/ul	98

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

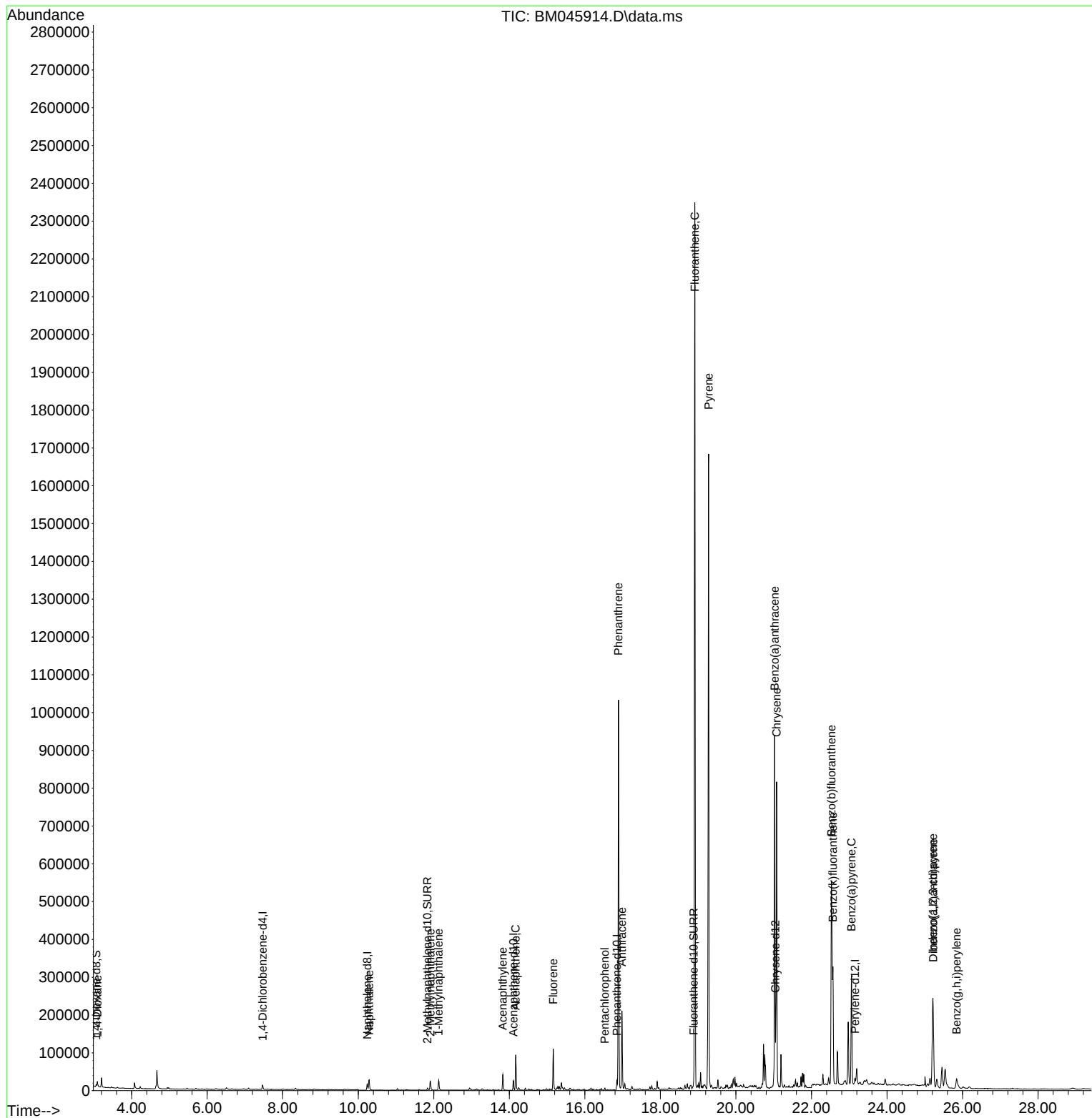
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045914.D
Acq On : 08 Jun 2024 13:51
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ALS Vial : 42 Sample Multiplier: 1

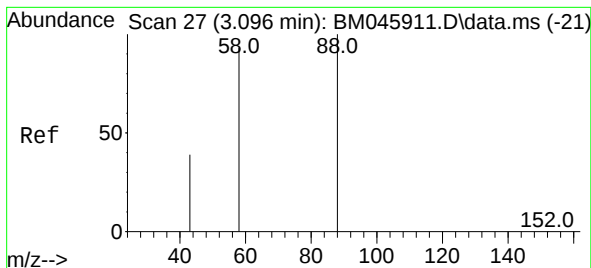
Instrument :
BNA_M
ClientSampleId :
A4C15MSD

Quant Time: Jun 10 01:28:15 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
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Supervised By :mohammad ahmed 06/13/2024





#2

1,4-Dioxane

Concen: 0.974 ng/ul

RT: 3.092 min Scan# 20

Delta R.T. -0.021 min

Lab File: BM045914.D

Acq: 08 Jun 2024 13:51

Instrument :

BNA_M

ClientSampleId :

A4C15MSD

Tgt Ion: 88 Resp: 886

Ion Ratio Lower Upper

88 100

43 132.9 87.4 131.2

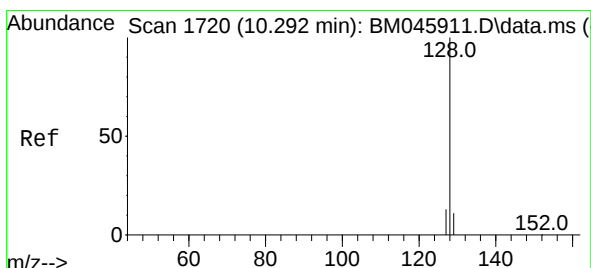
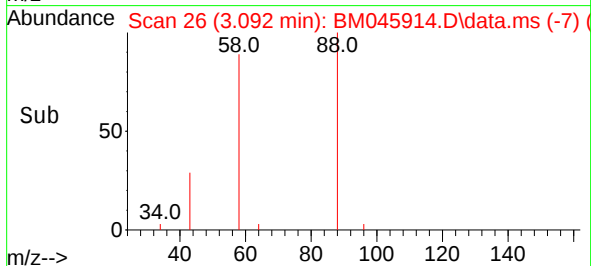
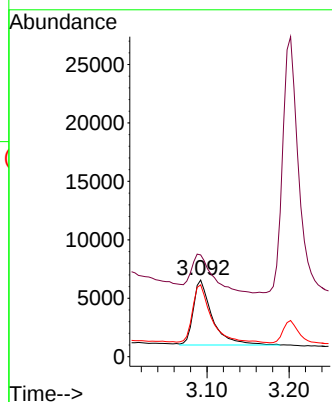
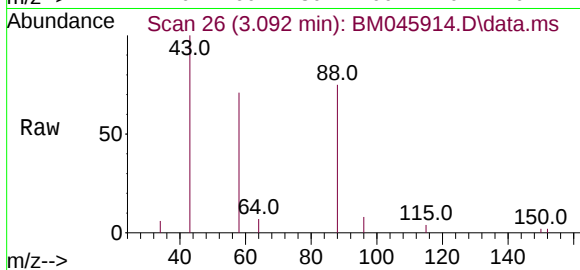
58 93.8 51.1 76.7

Manual Integrations

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Supervised By :mohammad ahmed 06/13/2024



#5

Naphthalene

Concen: 0.690 ng/ul

RT: 10.288 min Scan# 1719

Delta R.T. -0.015 min

Lab File: BM045914.D

Acq: 08 Jun 2024 13:51

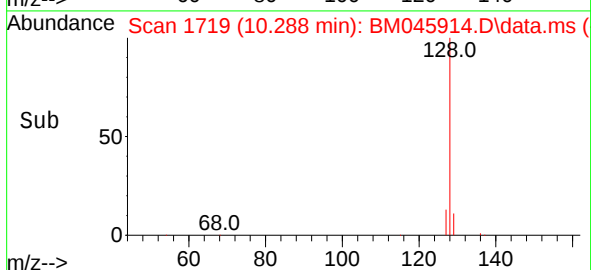
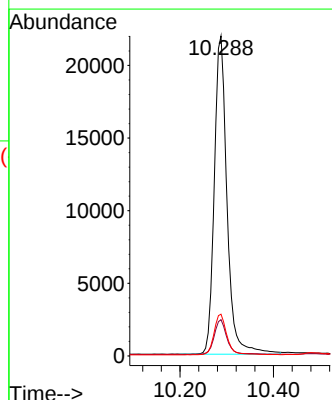
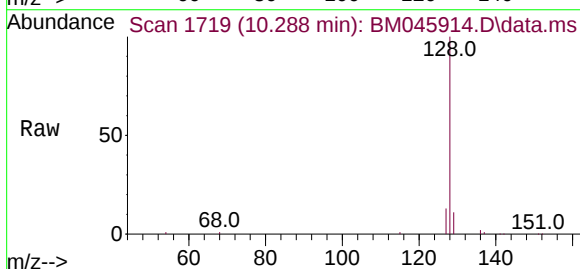
Tgt Ion:128 Resp: 41605

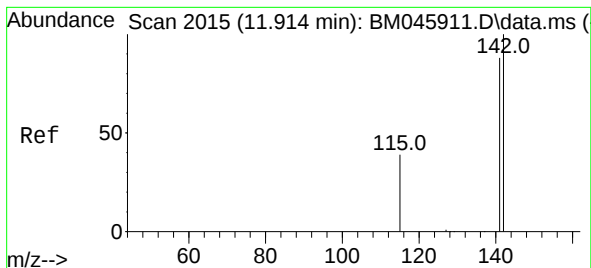
Ion Ratio Lower Upper

128 100

129 11.3 9.4 14.0

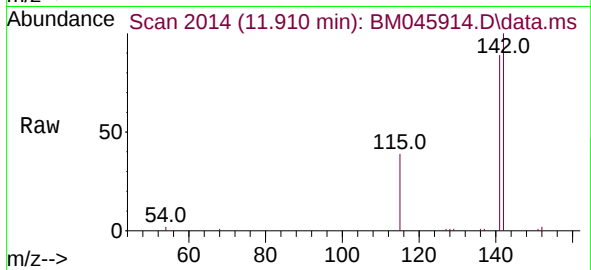
127 13.1 10.6 15.8





#7
2-Methylnaphthalene
Concen: 0.522 ng/ul
RT: 11.910 min Scan# 2014
Delta R.T. -0.010 min
Lab File: BM045914.D
Acq: 08 Jun 2024 13:51

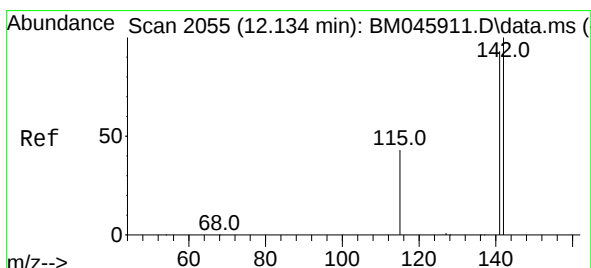
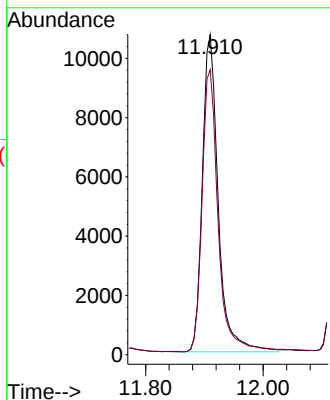
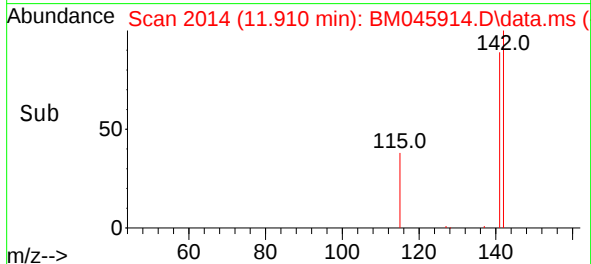
Instrument :
BNA_M
ClientSampleId :
A4C15MSD



Tgt Ion:142 Resp: 2004
Ion Ratio Lower Upper
142 100
141 89.9 72.2 108.4

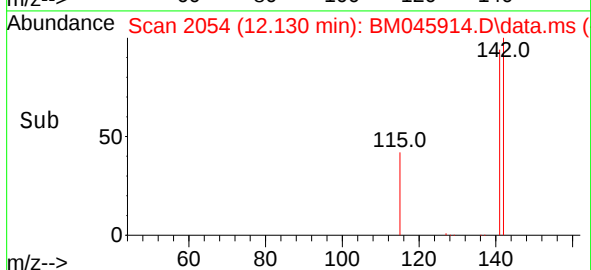
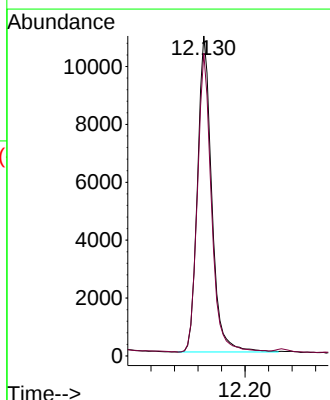
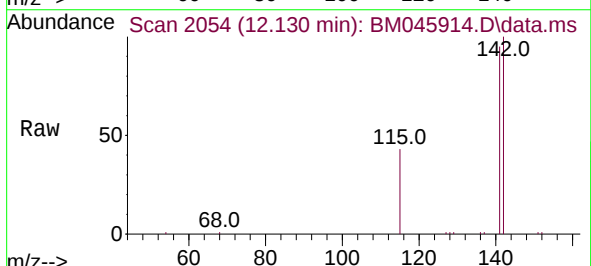
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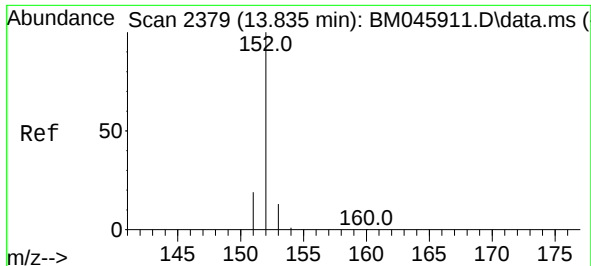
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



#8
1-Methylnaphthalene
Concen: 0.439 ng/ul
RT: 12.130 min Scan# 2054
Delta R.T. -0.015 min
Lab File: BM045914.D
Acq: 08 Jun 2024 13:51

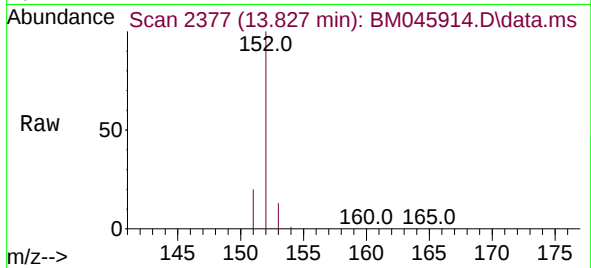
Tgt Ion:142 Resp: 18364
Ion Ratio Lower Upper
142 100
141 93.4 73.5 110.3





#10
Acenaphthylene
Concen: 0.831 ng/ul
RT: 13.827 min Scan# 2451
Delta R.T. -0.013 min
Lab File: BM045914.D
Acq: 08 Jun 2024 13:51

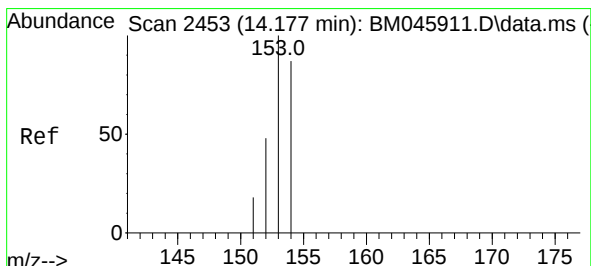
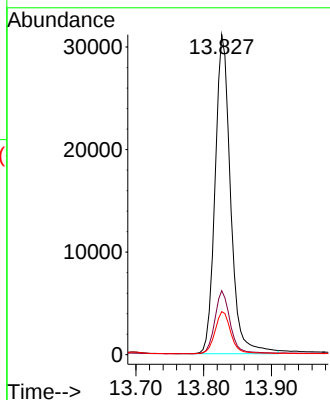
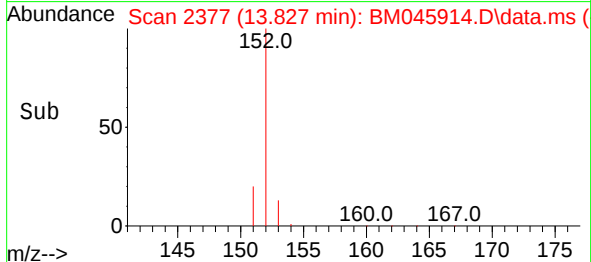
Instrument :
BNA_M
ClientSampleId :
A4C15MSD



Tgt Ion:152 Resp: 4934
Ion Ratio Lower Upper
152 100
151 20.0 16.4 24.6
153 13.5 11.1 16.7

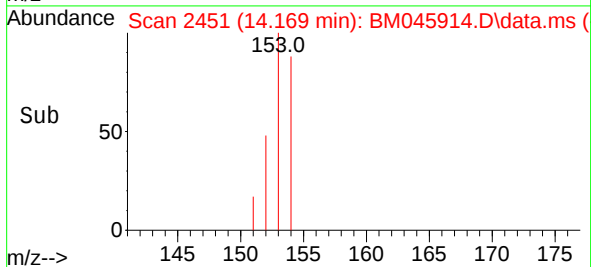
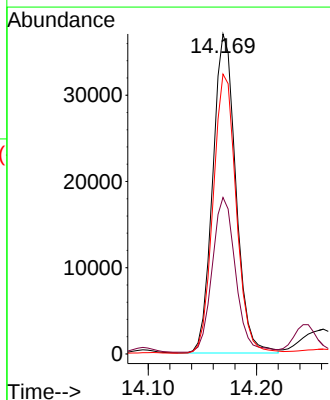
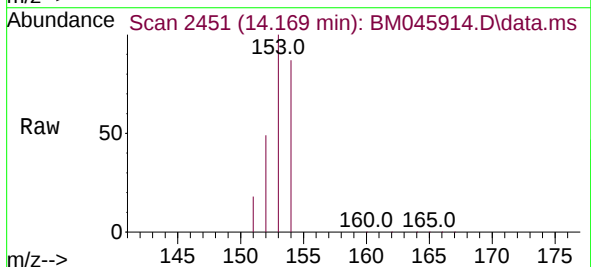
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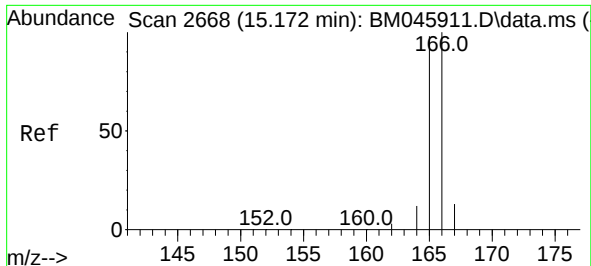
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



#11
Acenaphthene
Concen: 1.254 ng/ul
RT: 14.169 min Scan# 2451
Delta R.T. -0.013 min
Lab File: BM045914.D
Acq: 08 Jun 2024 13:51

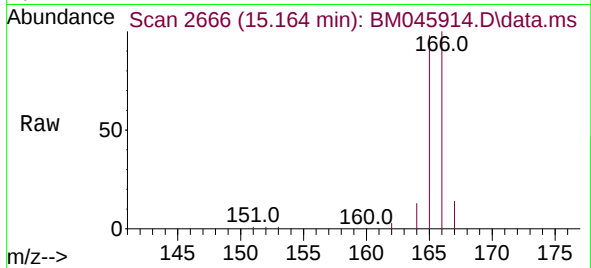
Tgt Ion:153 Resp: 54733
Ion Ratio Lower Upper
153 100
152 48.9 39.0 58.4
154 87.5 69.4 104.2





#12
Fluorene
Concen: 1.401 ng/ul
RT: 15.164 min Scan# 2066
Delta R.T. -0.013 min
Lab File: BM045914.D
Acq: 08 Jun 2024 13:51

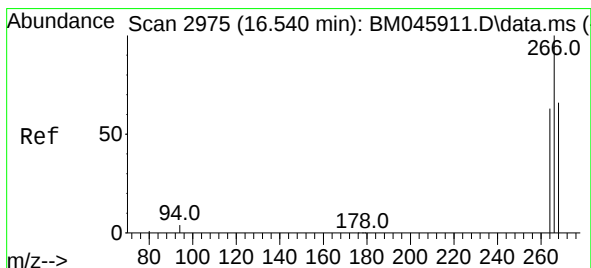
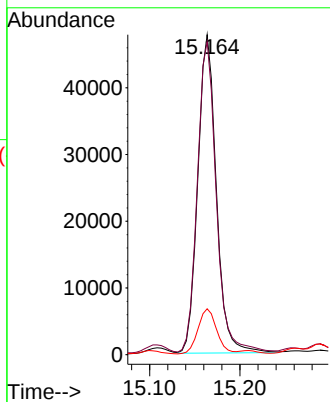
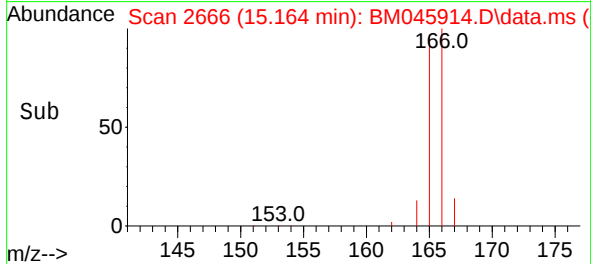
Instrument :
BNA_M
ClientSampleId :
A4C15MSD



Tgt Ion:166 Resp: 6836
Ion Ratio Lower Upper
166 100
165 97.7 79.7 119.5
167 14.4 11.3 16.9

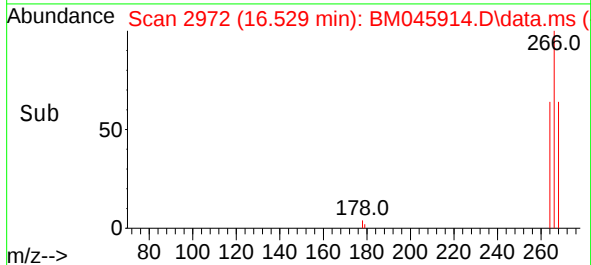
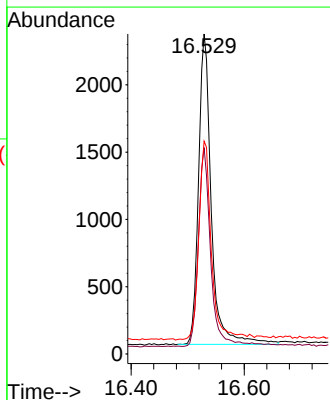
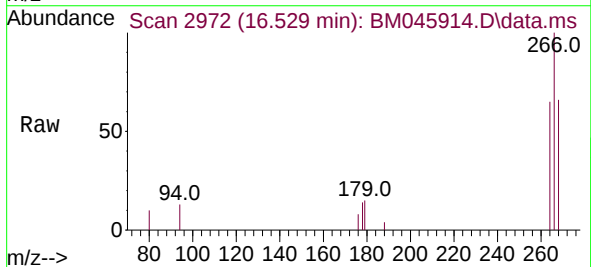
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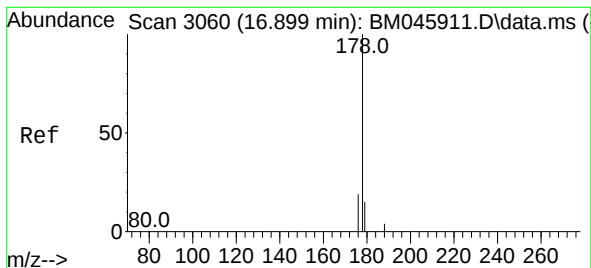
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



#14
Pentachlorophenol
Concen: 0.665 ng/ul
RT: 16.529 min Scan# 2972
Delta R.T. -0.024 min
Lab File: BM045914.D
Acq: 08 Jun 2024 13:51

Tgt Ion:266 Resp: 3616
Ion Ratio Lower Upper
266 100
264 63.4 47.9 71.9
268 64.0 50.9 76.3





#15

Phenanthrene

Concen: 13.198 ng/ul

RT: 16.888 min Scan# 3057

Delta R.T. -0.016 min

Lab File: BM045914.D

Acq: 08 Jun 2024 13:51

Instrument :

BNA_M

ClientSampleId :

A4C15MSD

Tgt Ion:178 Resp: 1077190

Ion Ratio Lower Upper

178 100

179 15.5 12.7 19.1

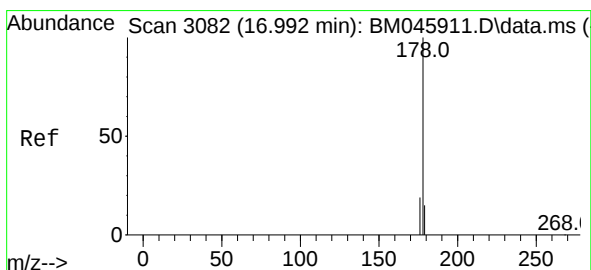
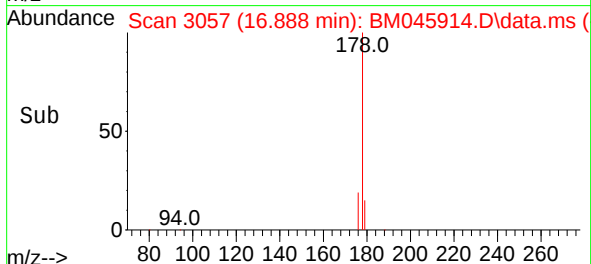
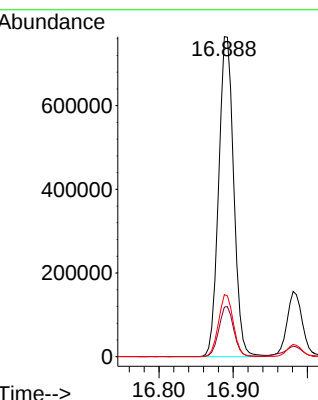
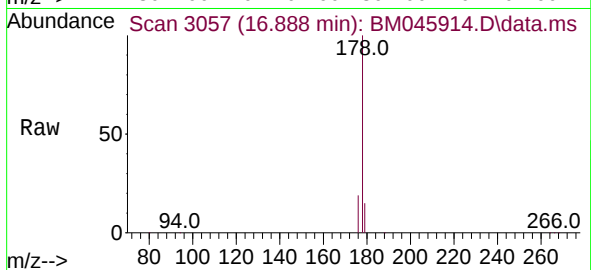
176 19.4 15.6 23.4

Manual Integrations

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Reviewed By :Yogesh Patel 06/10/2024

Supervised By :mohammad ahmed 06/13/2024



#16

Anthracene

Concen: 3.064 ng/ul

RT: 16.981 min Scan# 3079

Delta R.T. -0.016 min

Lab File: BM045914.D

Acq: 08 Jun 2024 13:51

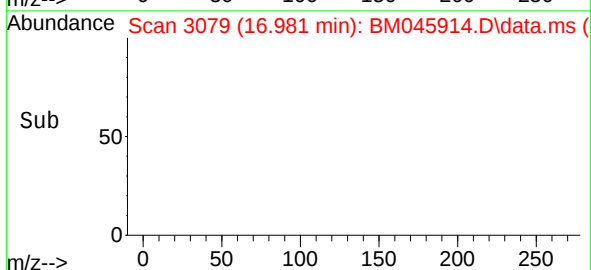
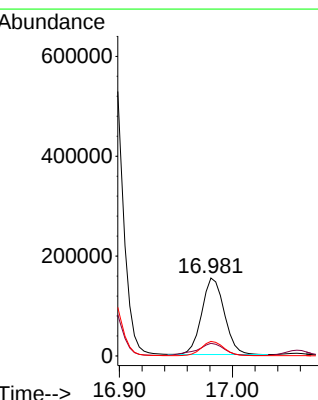
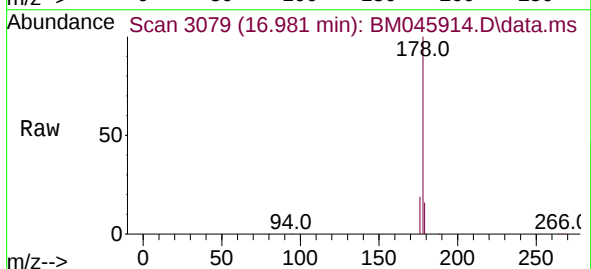
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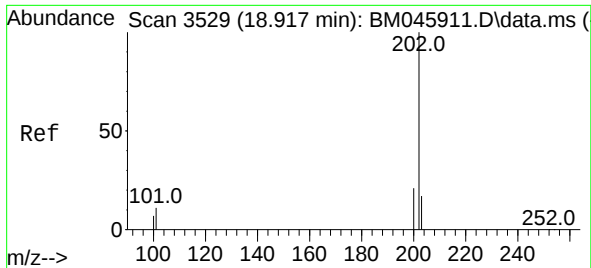
Ion Ratio Lower Upper

178 100

179 16.2 13.1 19.7

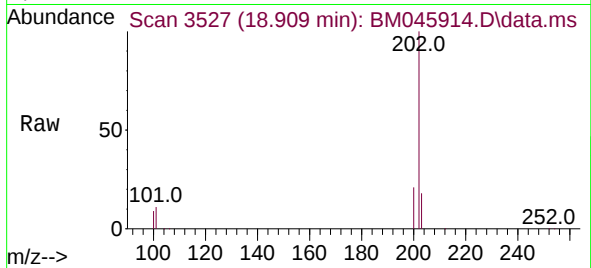
176 18.8 15.5 23.3





#19
Fluoranthene
Concen: 28.048 ng/ul
RT: 18.909 min Scan# 3527
Delta R.T. -0.013 min
Lab File: BM045914.D
Acq: 08 Jun 2024 13:51

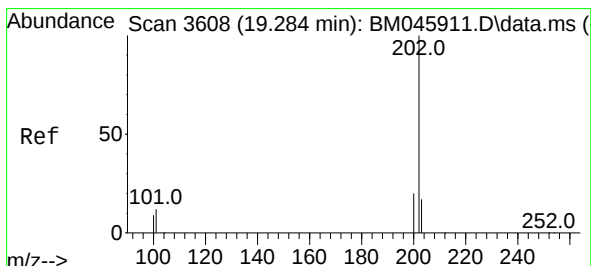
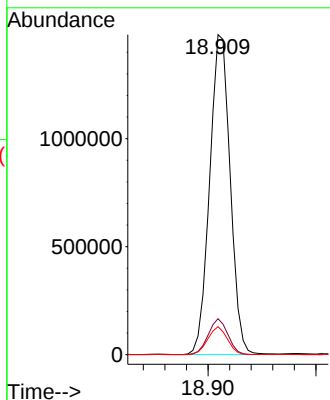
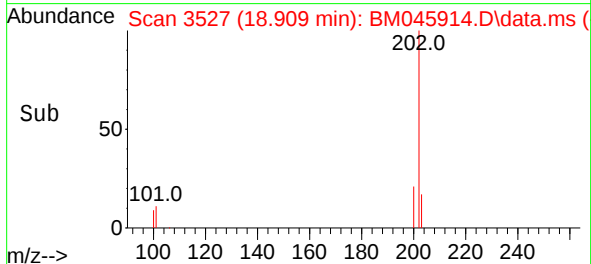
Instrument :
BNA_M
ClientSampleId :
A4C15MSD



Tgt Ion:202 Resp: 1957362
Ion Ratio Lower Upper
202 100
101 11.3 9.0 13.6
100 8.7 7.0 10.6

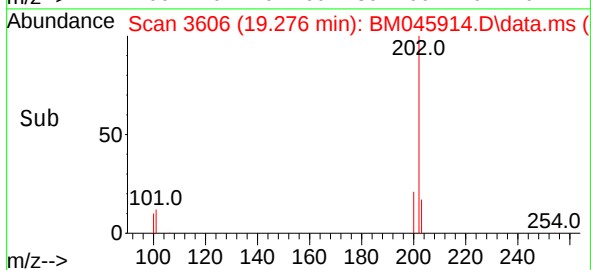
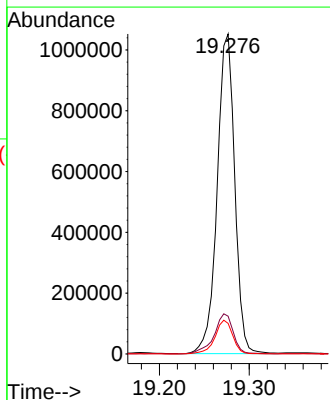
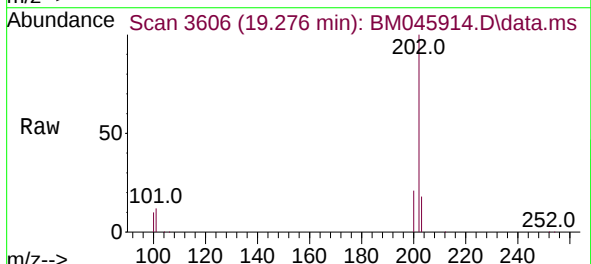
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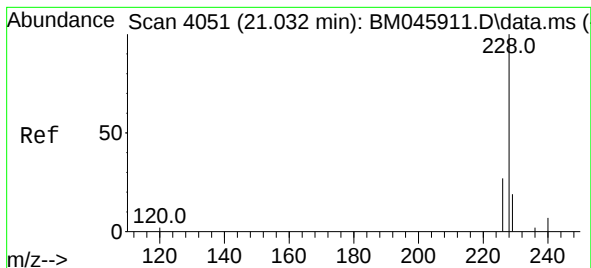
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



#20
Pyrene
Concen: 19.542 ng/ul
RT: 19.276 min Scan# 3606
Delta R.T. -0.008 min
Lab File: BM045914.D
Acq: 08 Jun 2024 13:51

Tgt Ion:202 Resp: 1422605
Ion Ratio Lower Upper
202 100
101 11.8 10.6 16.0
100 9.6 9.1 13.7





#21

Benzo(a)anthracene

Concen: 11.309 ng/ul

RT: 21.026 min Scan# 4051

Delta R.T. -0.009 min

Lab File: BM045914.D

Acq: 08 Jun 2024 13:51

Instrument :

BNA_M

ClientSampleId :

A4C15MSD

Tgt Ion:228 Resp: 726480

Ion Ratio Lower Upper

228 100

229 20.3 15.7 23.5

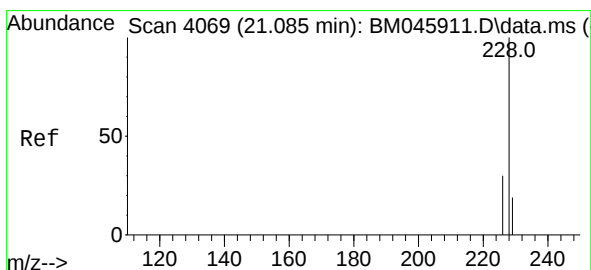
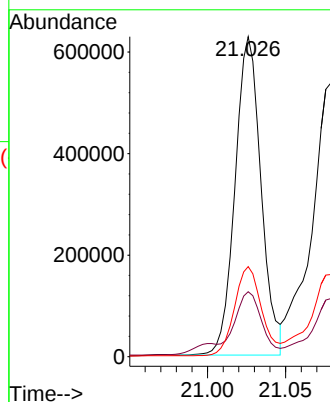
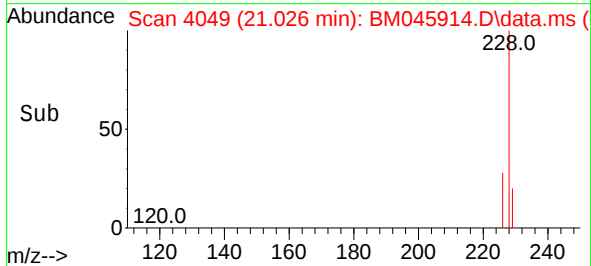
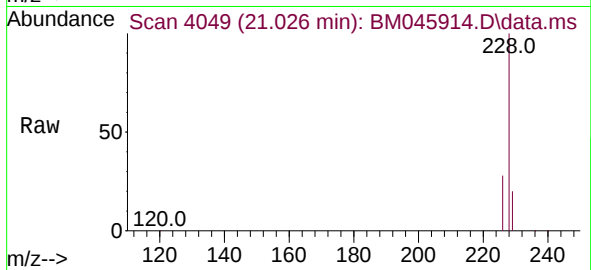
226 28.1 22.0 33.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/10/2024

Supervised By :mohammad ahmed 06/13/2024



#22

Chrysene

Concen: 10.756 ng/ul

RT: 21.079 min Scan# 4067

Delta R.T. -0.009 min

Lab File: BM045914.D

Acq: 08 Jun 2024 13:51

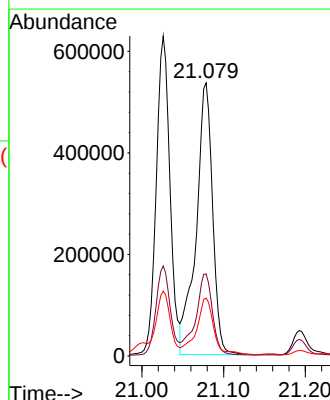
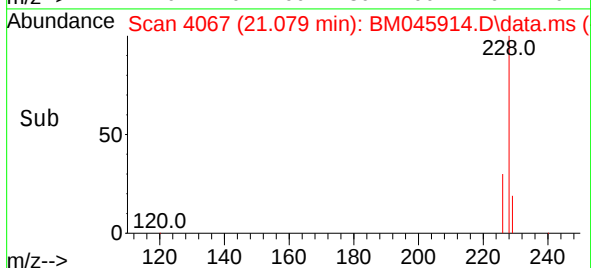
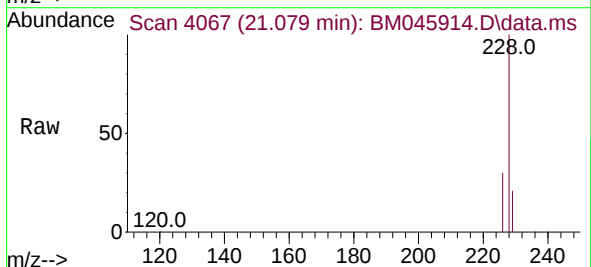
Tgt Ion:228 Resp: 752242

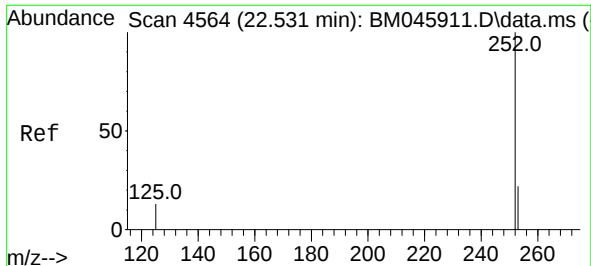
Ion Ratio Lower Upper

228 100

226 30.1 24.5 36.7

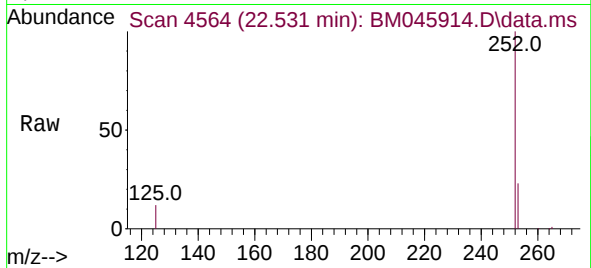
229 21.2 16.2 24.2





#24
Benzo(b)fluoranthene
Concen: 13.161 ng/ul m
RT: 22.531 min Scan# 4564
Delta R.T. -0.006 min
Lab File: BM045914.D
Acq: 08 Jun 2024 13:51

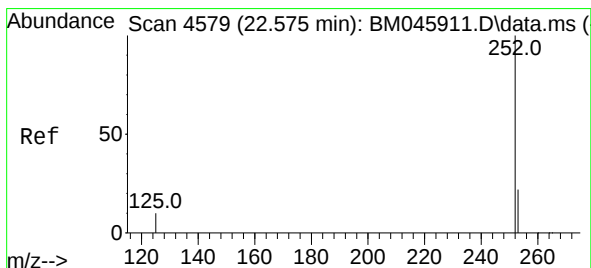
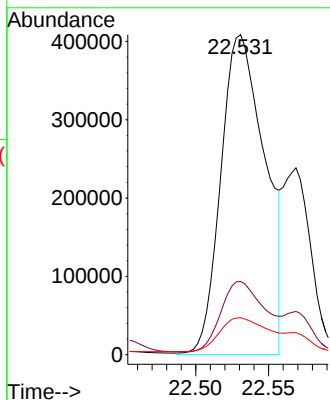
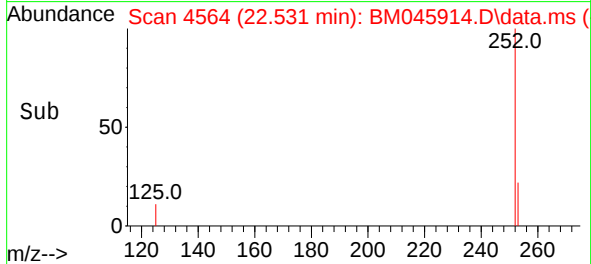
Instrument :
BNA_M
ClientSampleId :
A4C15MSD



Tgt Ion:252 Resp: 86181
Ion Ratio Lower Upper
252 100
253 22.9 0.0 63.6
125 11.6 0.0 35.8

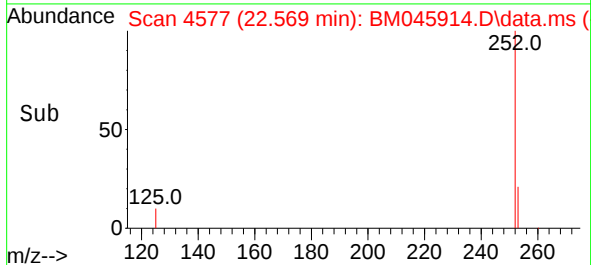
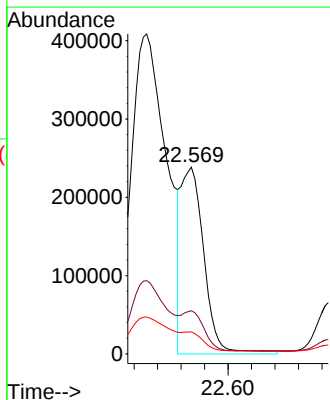
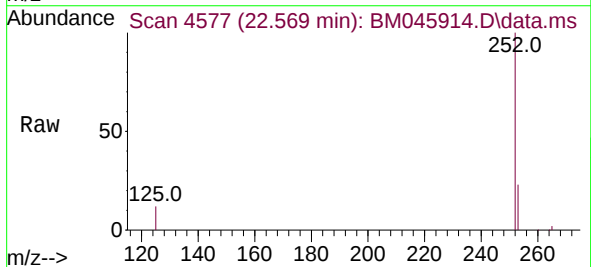
Manual Integrations
APPROVED

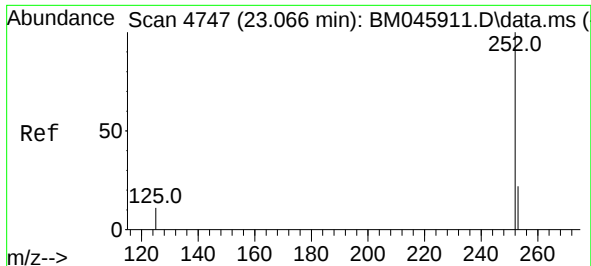
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



#25
Benzo(k)fluoranthene
Concen: 4.501 ng/ul m
RT: 22.569 min Scan# 4577
Delta R.T. -0.012 min
Lab File: BM045914.D
Acq: 08 Jun 2024 13:51

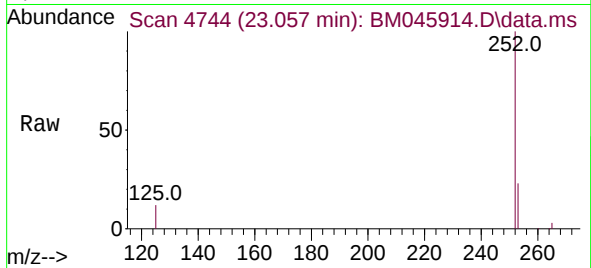
Tgt Ion:252 Resp: 323856
Ion Ratio Lower Upper
252 100
253 23.1 25.0 37.6#
125 11.8 14.2 21.2#





#26
Benzo(a)pyrene
Concen: 5.638 ng/ul
RT: 23.057 min Scan# 4744
Delta R.T. -0.015 min
Lab File: BM045914.D
Acq: 08 Jun 2024 13:51

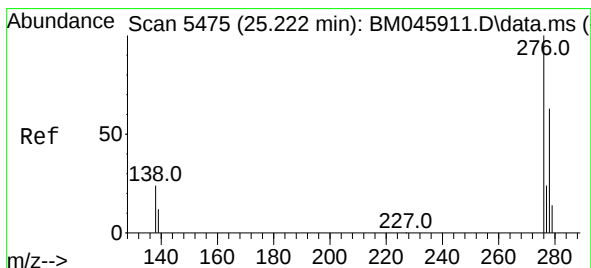
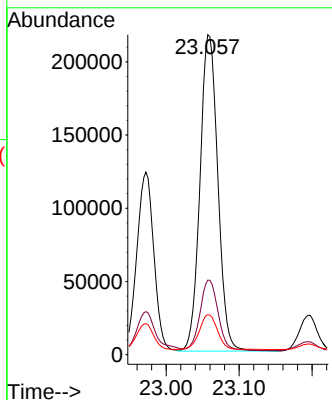
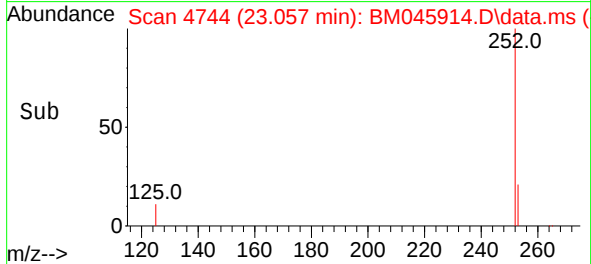
Instrument :
BNA_M
ClientSampleId :
A4C15MSD



Tgt Ion:252 Resp: 36713
Ion Ratio Lower Upper
252 100
253 23.3 28.8 43.2
125 12.5 17.3 25.9

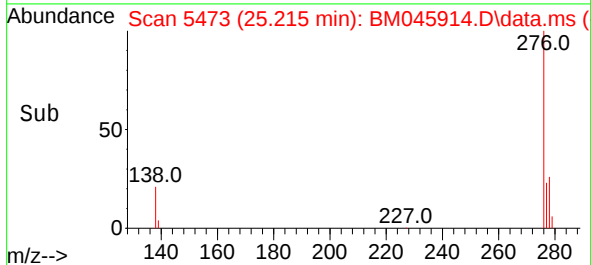
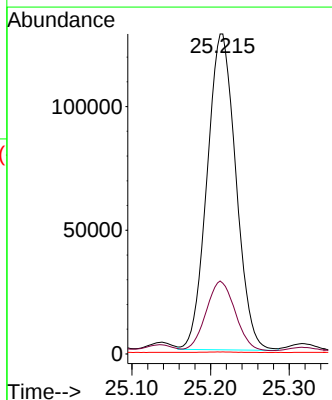
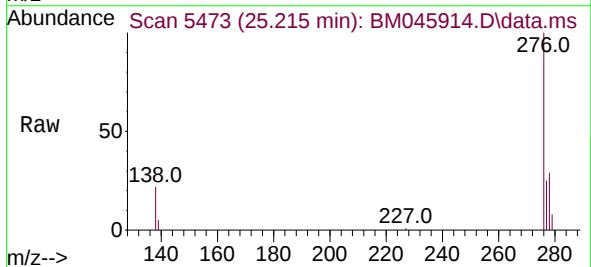
Manual Integrations
APPROVED

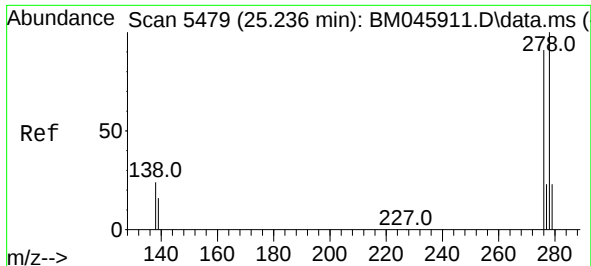
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 3.859 ng/ul
RT: 25.215 min Scan# 5473
Delta R.T. -0.017 min
Lab File: BM045914.D
Acq: 08 Jun 2024 13:51

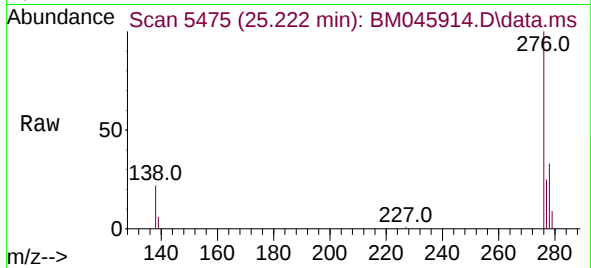
Tgt Ion:276 Resp: 324927
Ion Ratio Lower Upper
276 100
138 22.1 20.7 31.1
227 0.2 0.2 0.2





#28
Dibenzo(a,h)anthracene
Concen: 1.602 ng/ul
RT: 25.222 min Scan# 5479
Delta R.T. -0.027 min
Lab File: BM045914.D
Acq: 08 Jun 2024 13:51

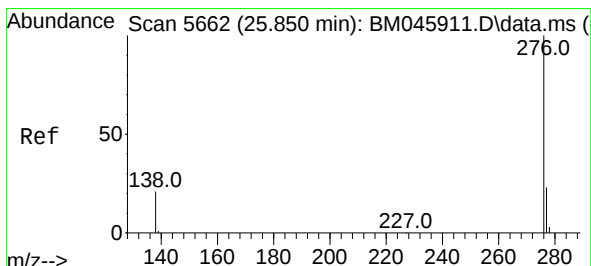
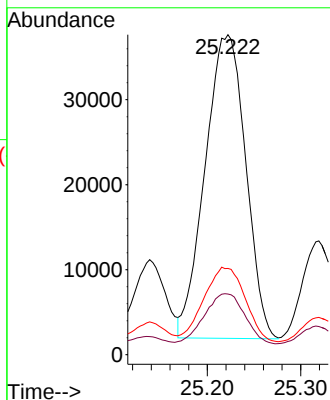
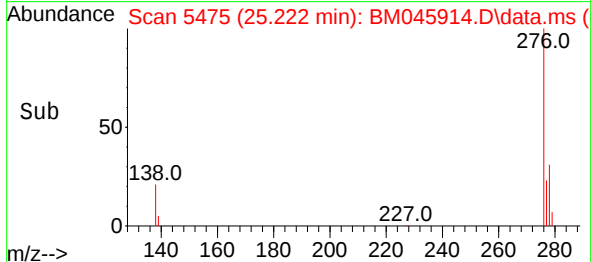
Instrument :
BNA_M
ClientSampleId :
A4C15MSD



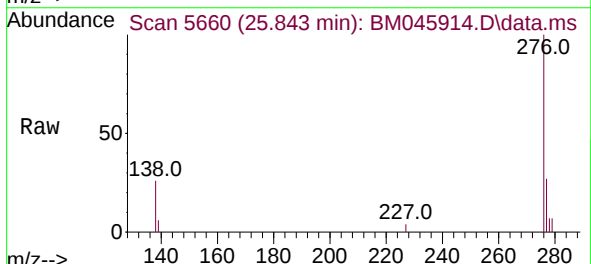
Tgt Ion:278 Resp: 10784
Ion Ratio Lower Upper
278 100
139 19.0 16.6 25.0
279 27.0 24.6 37.0

Manual Integrations
APPROVED

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



#29
Benzo(g,h,i)perylene
Concen: 0.680 ng/ul
RT: 25.843 min Scan# 5660
Delta R.T. -0.020 min
Lab File: BM045914.D
Acq: 08 Jun 2024 13:51



Tgt Ion:276 Resp: 49405
Ion Ratio Lower Upper
276 100
138 26.3 21.0 31.4
277 27.5 20.5 30.7

