

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
 Data File : BM045944.D
 Acq On : 10 Jun 2024 11:06
 Operator : MA/JU
 Sample : P2640-05MS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C15MS

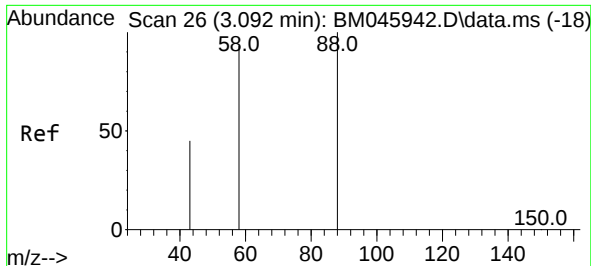
Manual Integrations
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Reviewed By :Jagrut Upadhyay 06/10/2024
 Supervised By :mohammad ahmed 06/13/2024

Quant Time: Jun 10 11:38:09 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

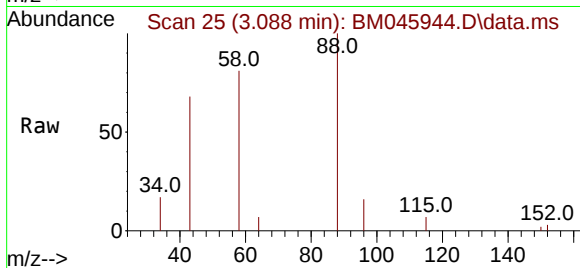
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.468	152	3799	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.244	136	11520	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.109	164	6509	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.846	188	13407	0.400	ng/ul	-0.02
17) Chrysene-d12	21.038	240	11798	0.400	ng/ul	#-0.02
23) Perylene-d12	23.145	264	15900	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.059	96	2216	0.512	ng/ul	-0.03
6) 2-Methylnaphthalene-d10	11.838	152	3929	0.237	ng/ul	0.00
18) Fluoranthene-d10	18.877	212	10180	0.288	ng/ul	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.088	88	5482	1.107	ng/ul#	67
5) Naphthalene	10.288	128	19899	0.661	ng/ul	100
7) 2-Methylnaphthalene	11.915	142	9257	0.482	ng/ul	100
8) 1-Methylnaphthalene	12.135	142	8693	0.416	ng/ul	99
10) Acenaphthylene	13.827	152	28109	0.950	ng/ul	99
11) Acenaphthene	14.169	153	26788	1.232	ng/ul	99
12) Fluorene	15.164	166	33277	1.369	ng/ul	99
14) Pentachlorophenol	16.529	266	1208	0.482	ng/ul	96
15) Phenanthrene	16.888	178	553318	14.699	ng/ul	99
16) Anthracene	16.981	178	107215	3.339	ng/ul	99
19) Fluoranthene	18.905	202	1092269	23.217	ng/ul	99
20) Pyrene	19.272	202	804371	16.390	ng/ul	96
21) Benzo(a)anthracene	21.023	228	498185	11.504	ng/ul	98
22) Chrysene	21.076	228	522444	11.081	ng/ul	99
24) Benzo(b)fluoranthene	22.528	252	712678m	13.514	ng/ul	
25) Benzo(k)fluoranthene	22.563	252	289239m	4.991	ng/ul	
26) Benzo(a)pyrene	23.054	252	315217	6.010	ng/ul#	79
27) Indeno(1,2,3-cd)pyrene	25.205	276	292727	4.316	ng/ul	92
28) Dibenzo(a,h)anthracene	25.212	278	96647	1.783	ng/ul	94
29) Benzo(g,h,i)perylene	25.836	276	46144	0.789	ng/ul	98

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



#2
1,4-Dioxane
Concen: 1.107 ng/ul
RT: 3.088 min Scan# 21
Delta R.T. -0.025 min
Lab File: BM045944.D
Acq: 10 Jun 2024 11:06

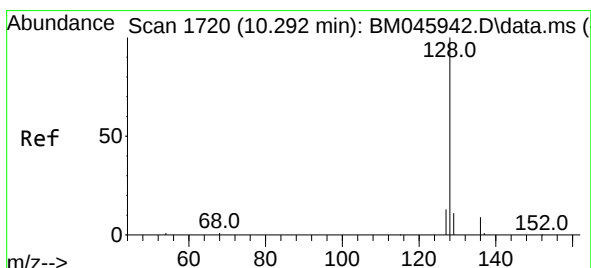
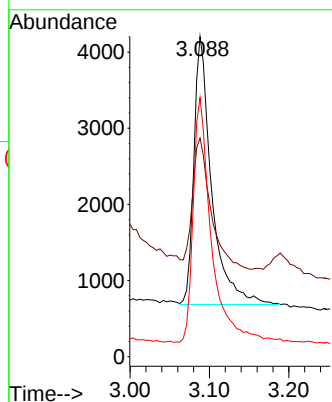
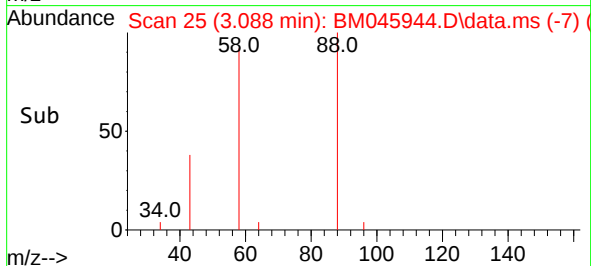
Instrument :
BNA_M
ClientSampleId :
A4C15MS



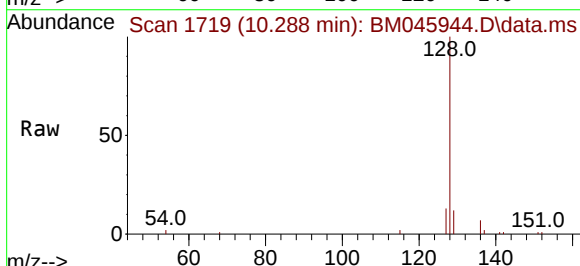
Tgt Ion: 88 Resp: 548
Ion Ratio Lower Upper
88 100
43 68.3 87.4 131.2
58 80.9 51.1 76.7

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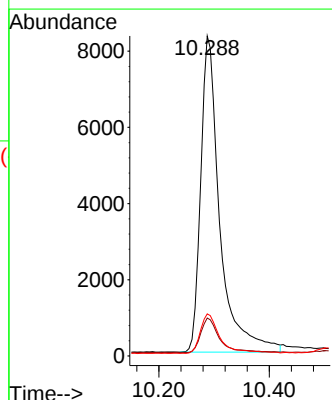
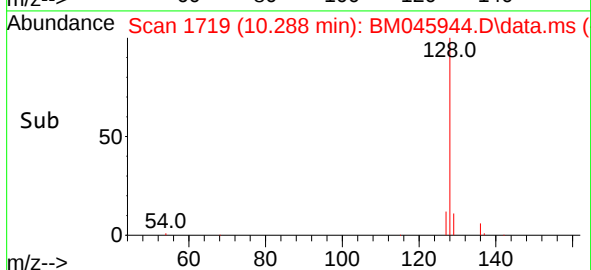
Reviewed By :Jagrut Upadhyay 06/10/2024
Supervised By :mohammad ahmed 06/13/2024

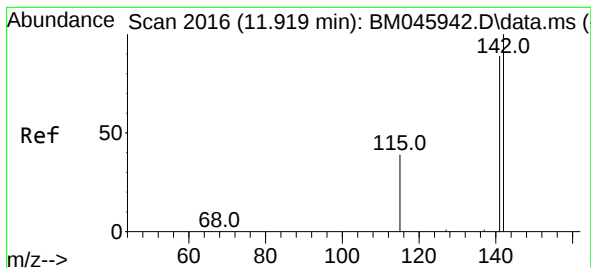


#5
Naphthalene
Concen: 0.661 ng/ul
RT: 10.288 min Scan# 1719
Delta R.T. -0.015 min
Lab File: BM045944.D
Acq: 10 Jun 2024 11:06



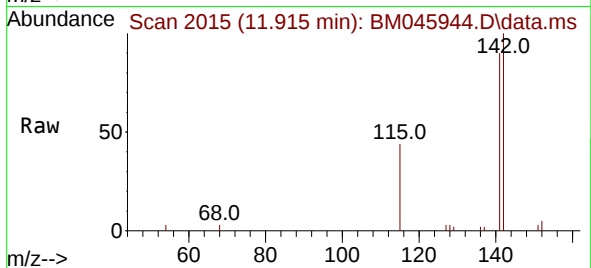
Tgt Ion:128 Resp: 19899
Ion Ratio Lower Upper
128 100
129 11.9 9.4 14.0
127 13.1 10.6 15.8





#7
2-Methylnaphthalene
Concen: 0.482 ng/ul
RT: 11.915 min Scan# 2015
Delta R.T. -0.004 min
Lab File: BM045944.D
Acq: 10 Jun 2024 11:06

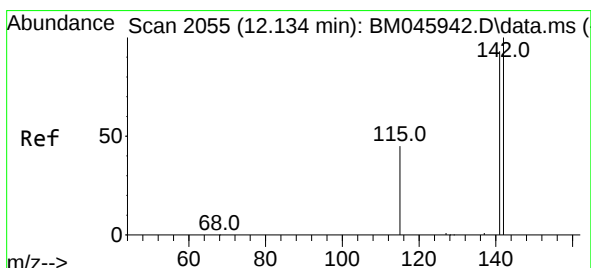
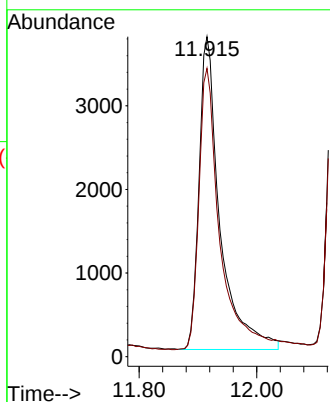
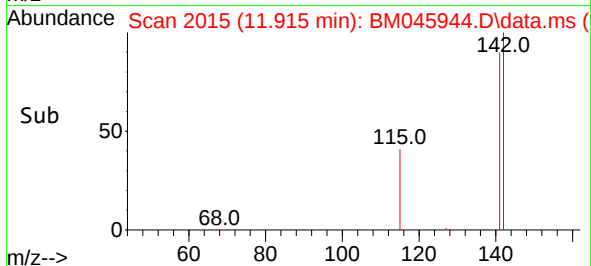
Instrument :
BNA_M
ClientSampleId :
A4C15MS



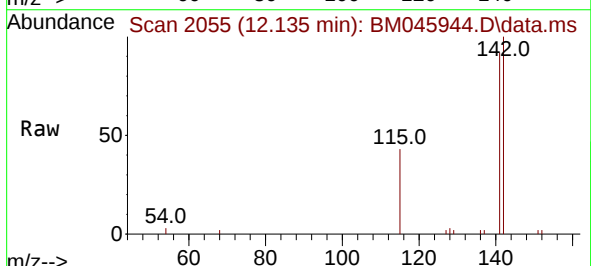
Tgt Ion:142 Resp: 925
Ion Ratio Lower Upper
142 100
141 90.3 72.2 108.4

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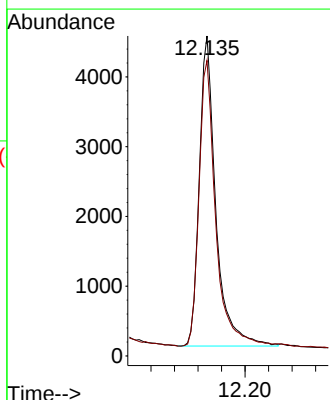
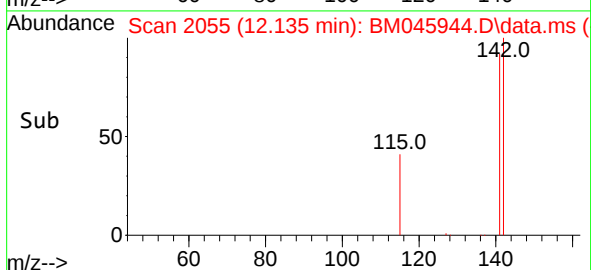
Reviewed By :Jagrut Upadhyay 06/10/2024
Supervised By :mohammad ahmed 06/13/2024

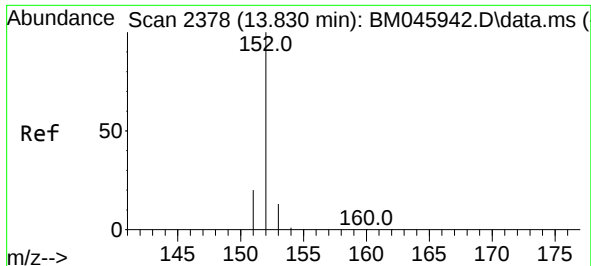


#8
1-Methylnaphthalene
Concen: 0.416 ng/ul
RT: 12.135 min Scan# 2055
Delta R.T. -0.010 min
Lab File: BM045944.D
Acq: 10 Jun 2024 11:06



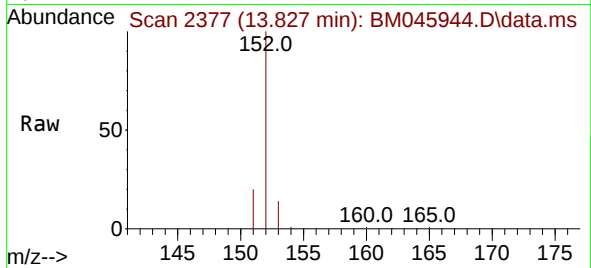
Tgt Ion:142 Resp: 8693
Ion Ratio Lower Upper
142 100
141 92.9 73.5 110.3





#10
Acenaphthylene
Concen: 0.950 ng/ul
RT: 13.827 min Scan# 21
Delta R.T. -0.013 min
Lab File: BM045944.D
Acq: 10 Jun 2024 11:06

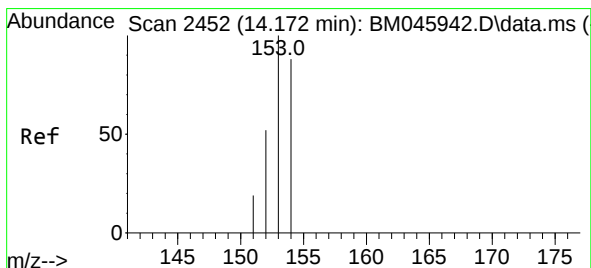
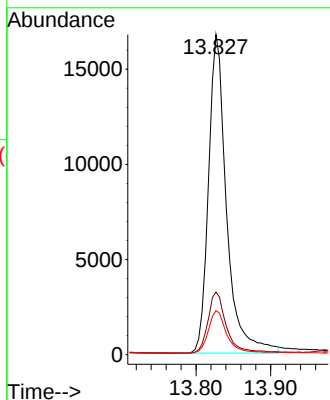
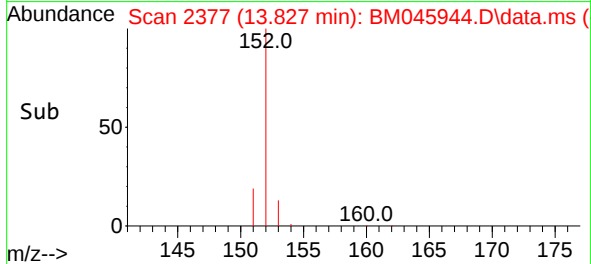
Instrument :
BNA_M
ClientSampleId :
A4C15MS



Tgt Ion:152 Resp: 28109
Ion Ratio Lower Upper
152 100
151 19.6 16.4 24.6
153 13.7 11.1 16.7

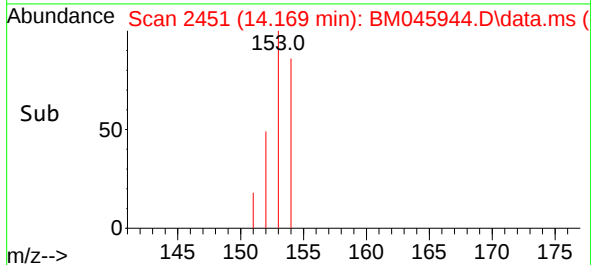
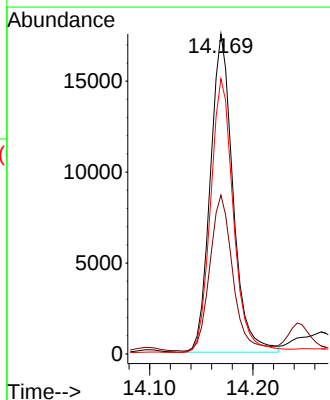
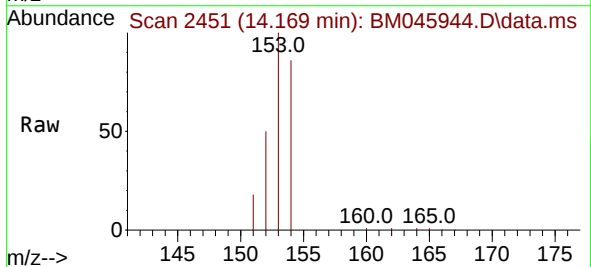
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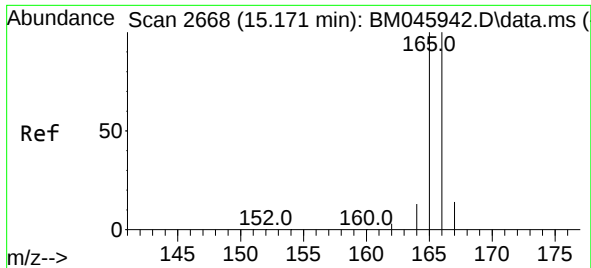
Reviewed By :Jagrut Upadhyay 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



#11
Acenaphthene
Concen: 1.232 ng/ul
RT: 14.169 min Scan# 2451
Delta R.T. -0.013 min
Lab File: BM045944.D
Acq: 10 Jun 2024 11:06

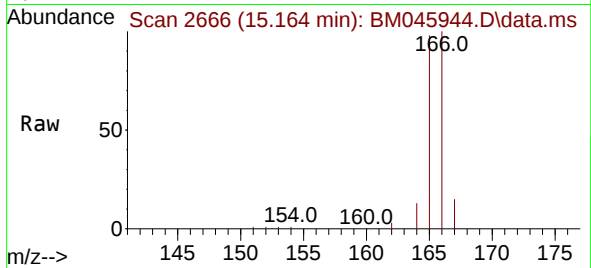
Tgt Ion:153 Resp: 26788
Ion Ratio Lower Upper
153 100
152 49.7 39.0 58.4
154 86.0 69.4 104.2





#12
Fluorene
Concen: 1.369 ng/ul
RT: 15.164 min Scan# 2066
Delta R.T. -0.013 min
Lab File: BM045944.D
Acq: 10 Jun 2024 11:06

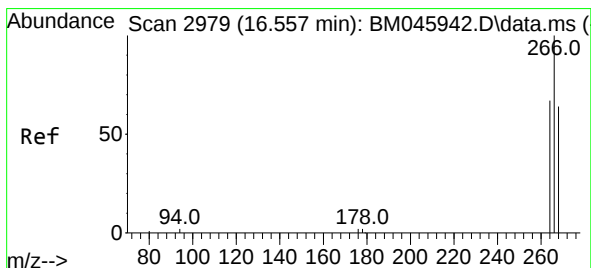
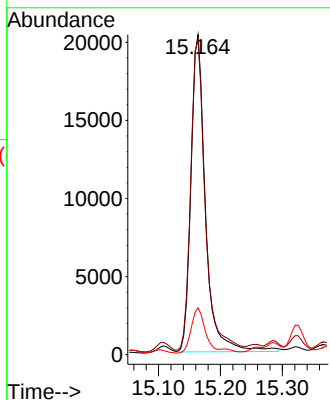
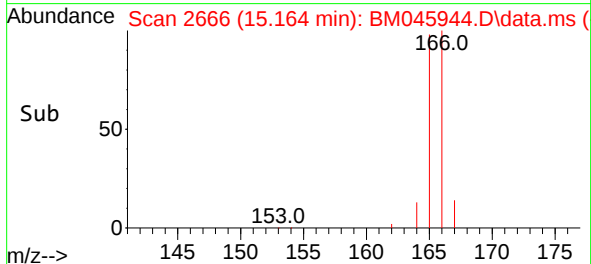
Instrument :
BNA_M
ClientSampleId :
A4C15MS



Tgt Ion:166 Resp: 3327
Ion Ratio Lower Upper
166 100
165 98.4 79.7 119.5
167 14.6 11.3 16.9

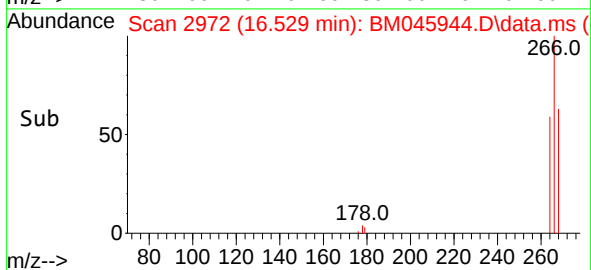
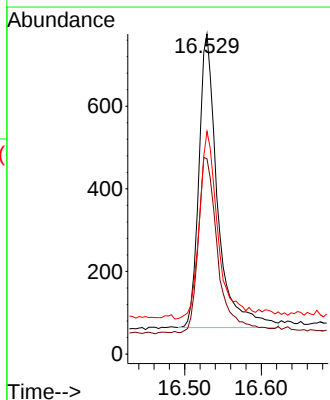
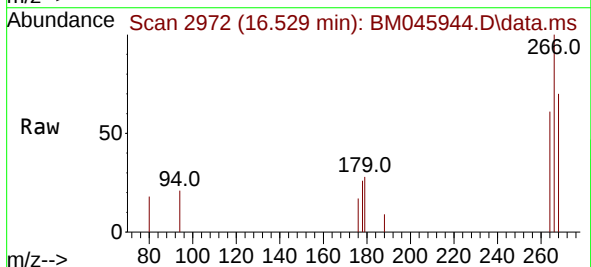
Manual Integrations
APPROVED

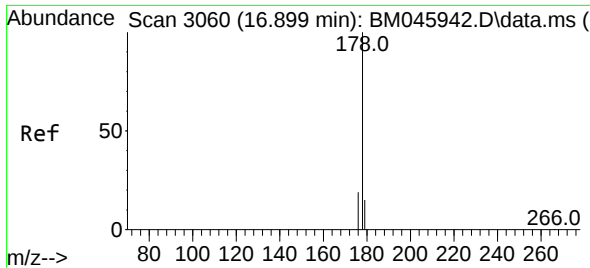
Reviewed By :Jagrut Upadhyay 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



#14
Pentachlorophenol
Concen: 0.482 ng/ul
RT: 16.529 min Scan# 2972
Delta R.T. -0.024 min
Lab File: BM045944.D
Acq: 10 Jun 2024 11:06

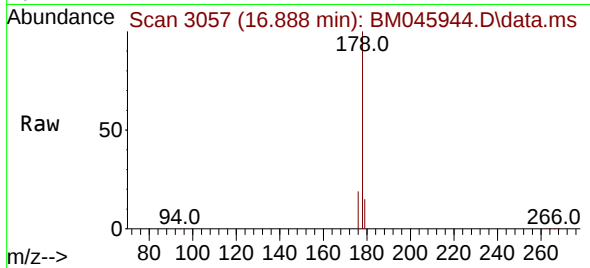
Tgt Ion:266 Resp: 1208
Ion Ratio Lower Upper
266 100
264 65.6 47.9 71.9
268 63.1 50.9 76.3





#15
Phenanthrene
Concen: 14.699 ng/ul
RT: 16.888 min Scan# 3057
Delta R.T. -0.016 min
Lab File: BM045944.D
Acq: 10 Jun 2024 11:06

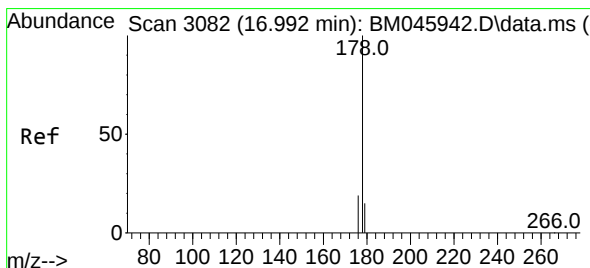
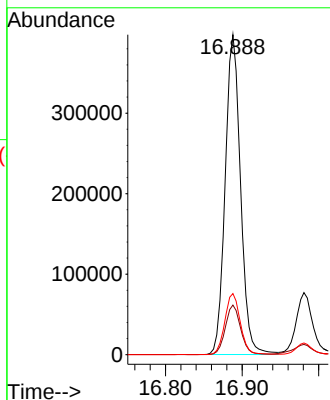
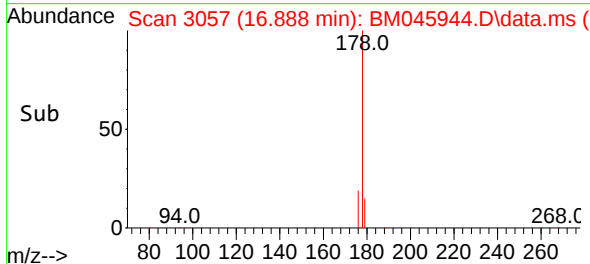
Instrument :
BNA_M
ClientSampleId :
A4C15MS



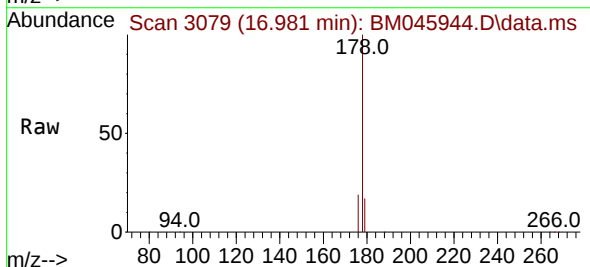
Tgt Ion:178 Resp: 553318
Ion Ratio Lower Upper
178 100
179 15.5 12.7 19.1
176 19.1 15.6 23.4

Manual Integrations
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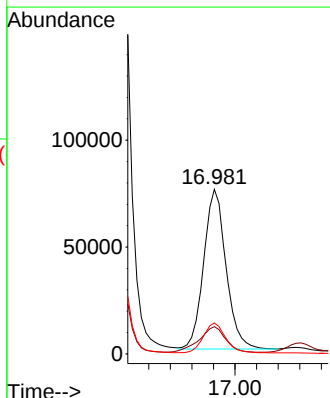
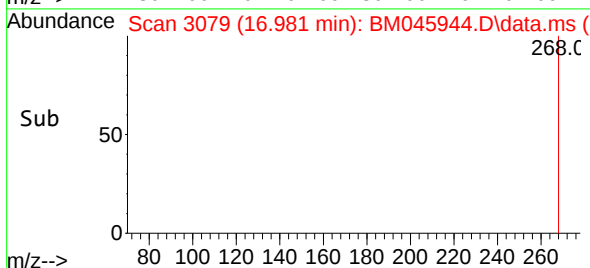
Reviewed By :Jagrut Upadhyay 06/10/2024
Supervised By :mohammad ahmed 06/13/2024

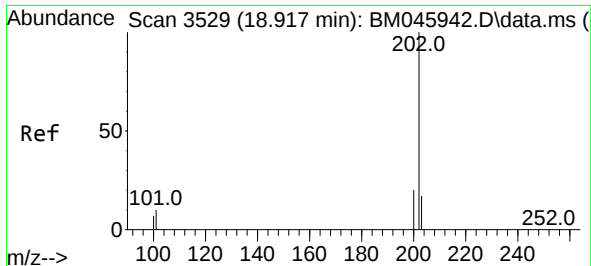


#16
Anthracene
Concen: 3.339 ng/ul
RT: 16.981 min Scan# 3079
Delta R.T. -0.016 min
Lab File: BM045944.D
Acq: 10 Jun 2024 11:06



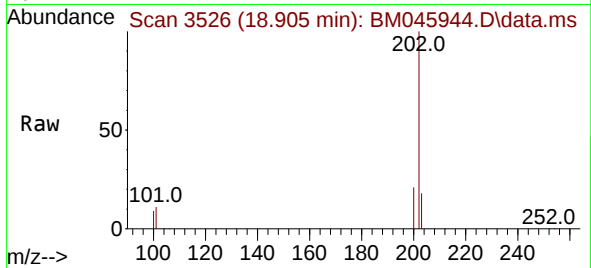
Tgt Ion:178 Resp: 107215
Ion Ratio Lower Upper
178 100
179 16.6 13.1 19.7
176 18.8 15.5 23.3





#19
Fluoranthene
Concen: 23.217 ng/u1
RT: 18.905 min Scan# 3526
Delta R.T. -0.017 min
Lab File: BM045944.D
Acq: 10 Jun 2024 11:06

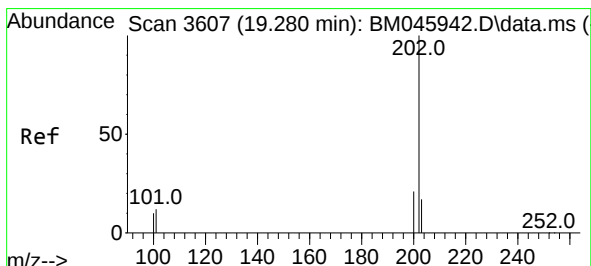
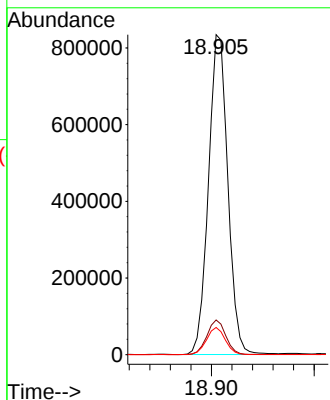
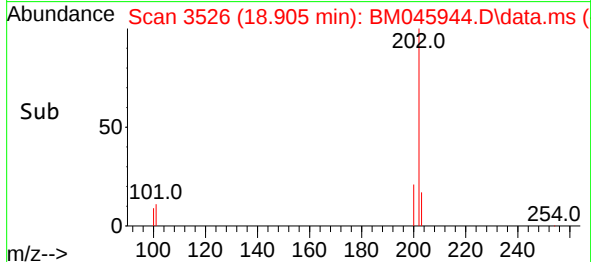
Instrument :
BNA_M
ClientSampleId :
A4C15MS



Tgt Ion:202 Resp: 1092269
Ion Ratio Lower Upper
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101 10.8 9.0 13.6
100 8.5 7.0 10.6

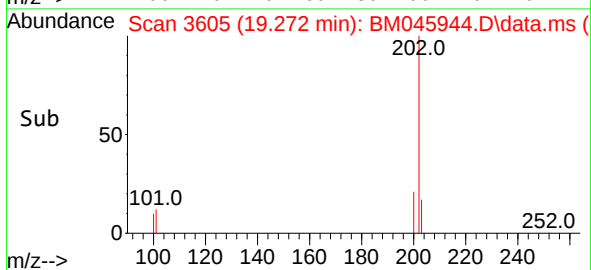
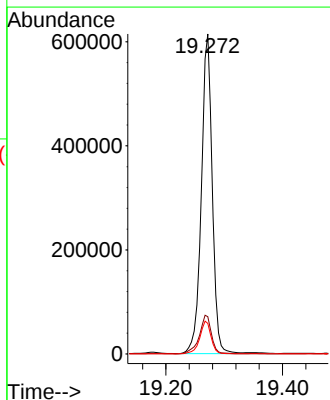
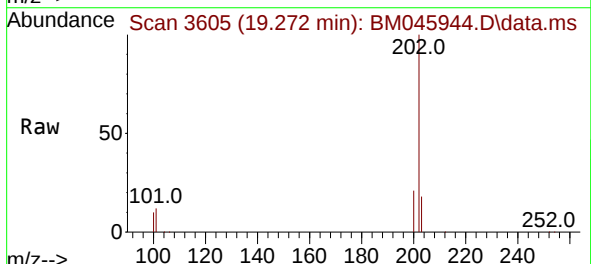
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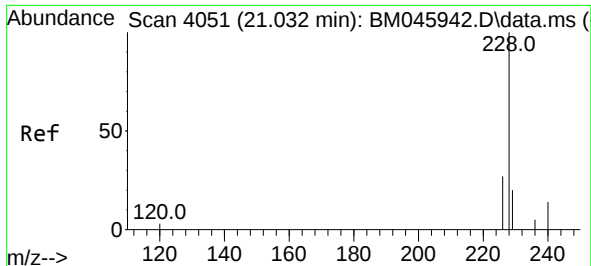
Reviewed By :Jagrut Upadhyay 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



#20
Pyrene
Concen: 16.390 ng/u1
RT: 19.272 min Scan# 3605
Delta R.T. -0.013 min
Lab File: BM045944.D
Acq: 10 Jun 2024 11:06

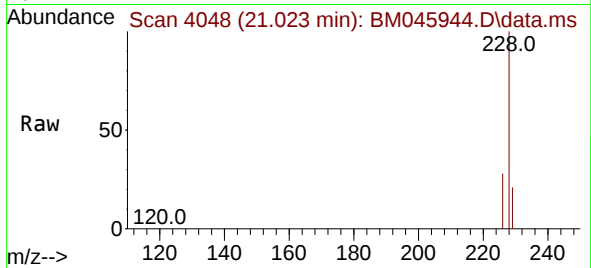
Tgt Ion:202 Resp: 804371
Ion Ratio Lower Upper
202 100
101 11.7 10.6 16.0
100 9.6 9.1 13.7





#21
Benzo(a)anthracene
Concen: 11.504 ng/ul
RT: 21.023 min Scan# 4051
Delta R.T. -0.012 min
Lab File: BM045944.D
Acq: 10 Jun 2024 11:06

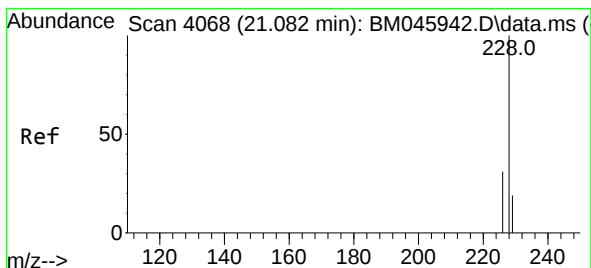
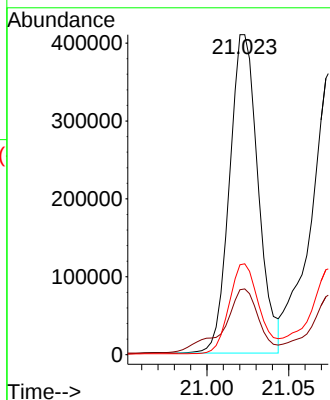
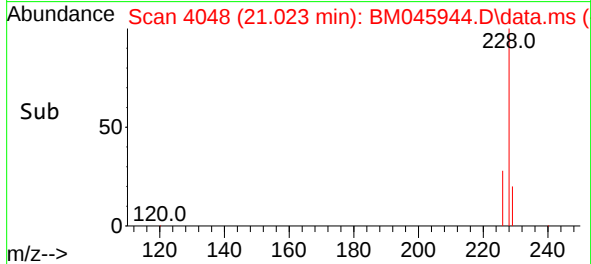
Instrument :
BNA_M
ClientSampleId :
A4C15MS



Tgt Ion:228 Resp: 498185
Ion Ratio Lower Upper
228 100
229 20.6 15.7 23.5
226 28.4 22.0 33.0

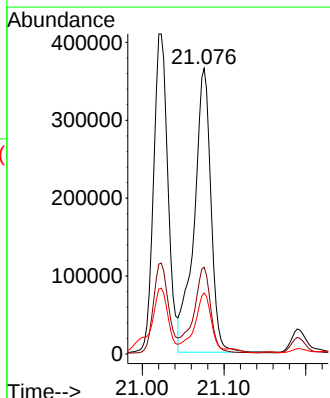
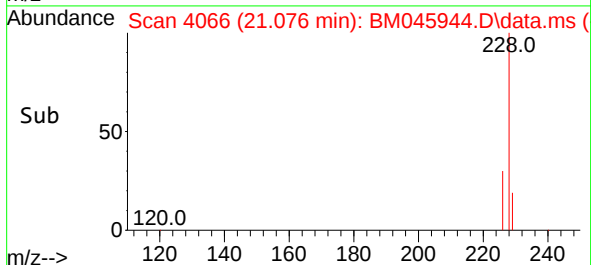
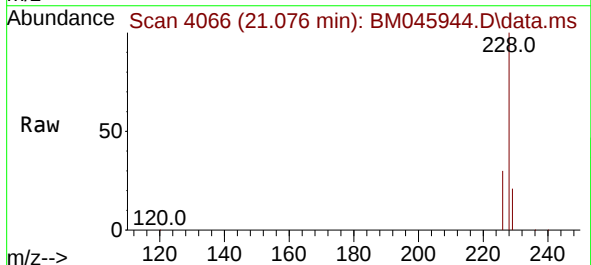
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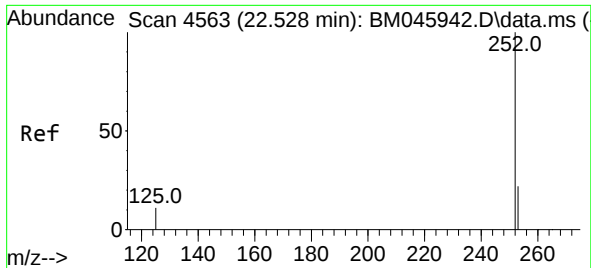
Reviewed By :Jagrut Upadhyay 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



#22
Chrysene
Concen: 11.081 ng/ul
RT: 21.076 min Scan# 4066
Delta R.T. -0.012 min
Lab File: BM045944.D
Acq: 10 Jun 2024 11:06

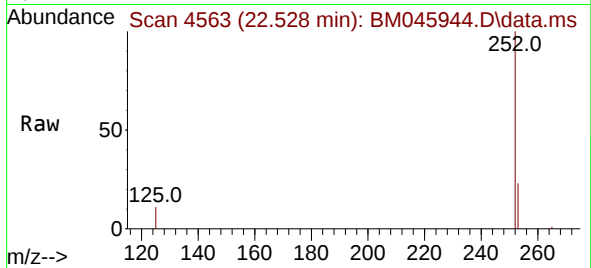
Tgt Ion:228 Resp: 522444
Ion Ratio Lower Upper
228 100
226 30.4 24.5 36.7
229 21.3 16.2 24.2





#24
Benzo(b)fluoranthene
Concen: 13.514 ng/ul m
RT: 22.528 min Scan# 4563
Delta R.T. -0.009 min
Lab File: BM045944.D
Acq: 10 Jun 2024 11:06

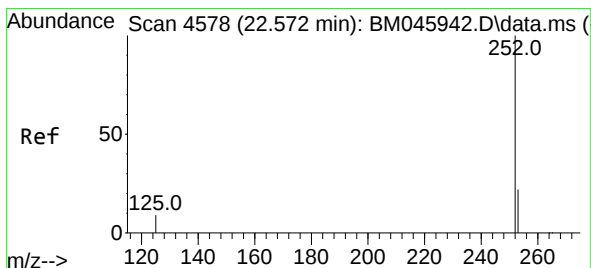
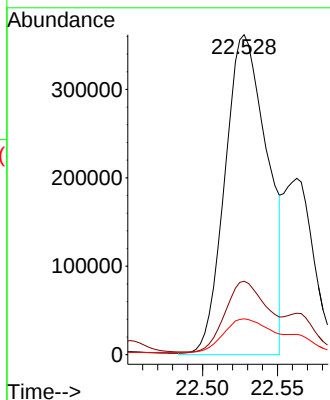
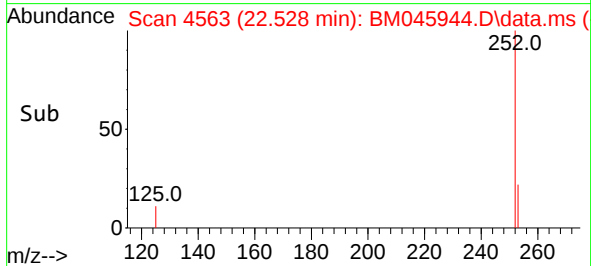
Instrument :
BNA_M
ClientSampleId :
A4C15MS



Tgt Ion:252 Resp: 712678
Ion Ratio Lower Upper
252 100
253 22.9 0.0 63.6
125 11.2 0.0 35.8

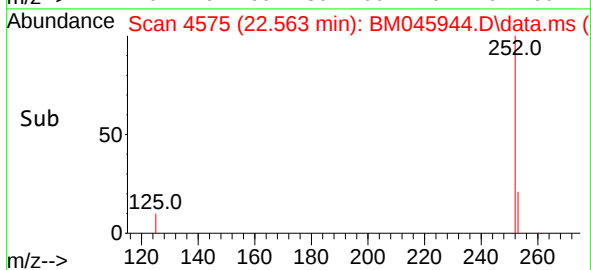
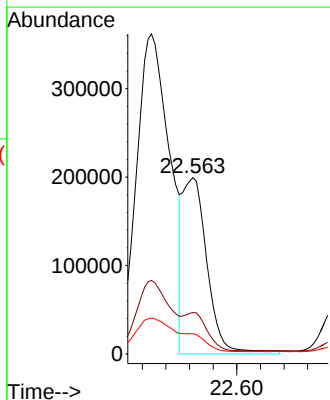
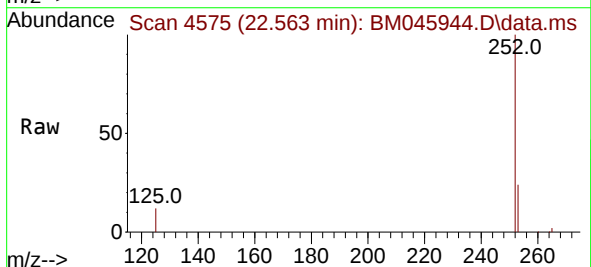
Manual Integrations
APPROVED

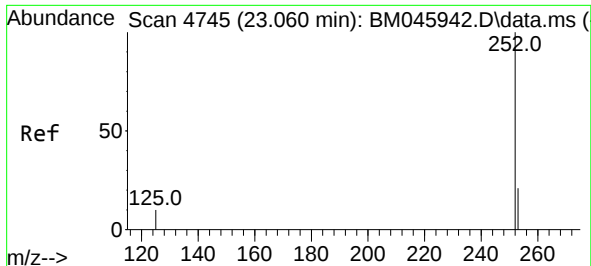
Reviewed By :Jagrut Upadhyay 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



#25
Benzo(k)fluoranthene
Concen: 4.991 ng/ul m
RT: 22.563 min Scan# 4575
Delta R.T. -0.018 min
Lab File: BM045944.D
Acq: 10 Jun 2024 11:06

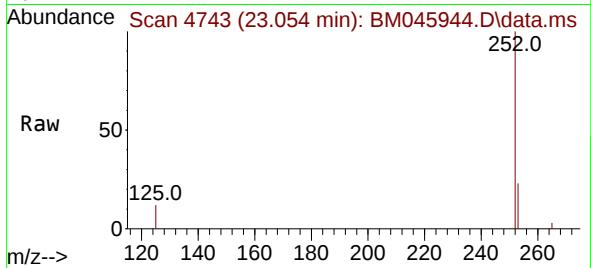
Tgt Ion:252 Resp: 289239
Ion Ratio Lower Upper
252 100
253 23.5 25.0 37.6#
125 11.5 14.2 21.2#





#26
Benzo(a)pyrene
Concen: 6.010 ng/ul
RT: 23.054 min Scan# 4745
Delta R.T. -0.018 min
Lab File: BM045944.D
Acq: 10 Jun 2024 11:06

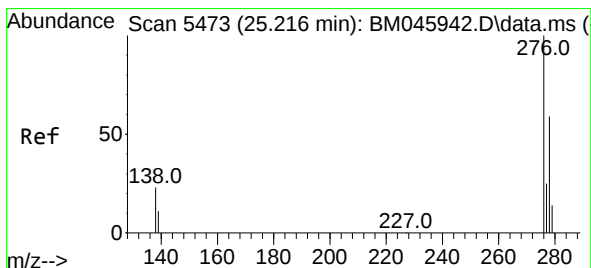
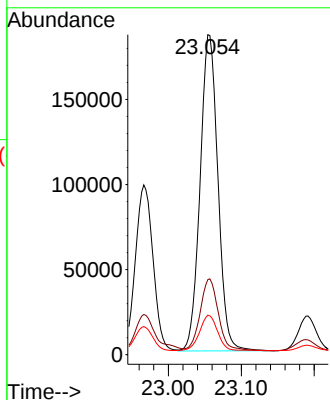
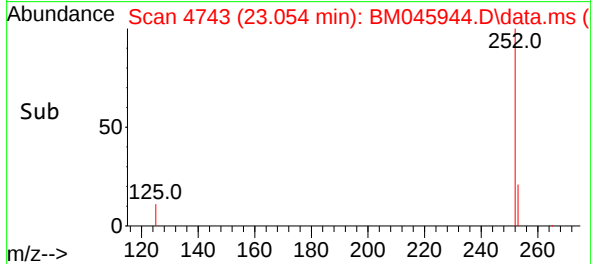
Instrument :
BNA_M
ClientSampleId :
A4C15MS



Tgt Ion:252 Resp: 315217
Ion Ratio Lower Upper
252 100
253 23.5 28.8 43.2
125 12.4 17.3 25.9

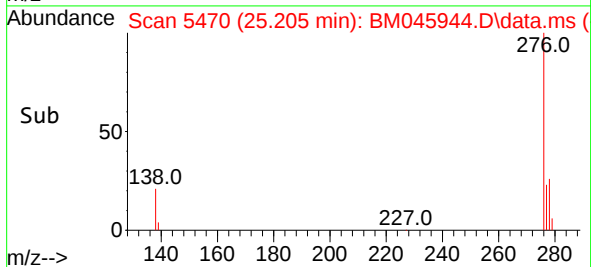
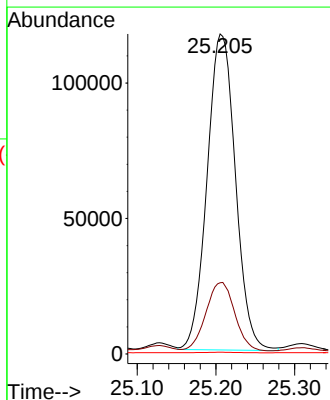
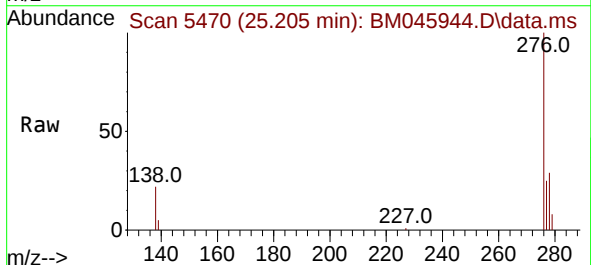
Manual Integrations
APPROVED

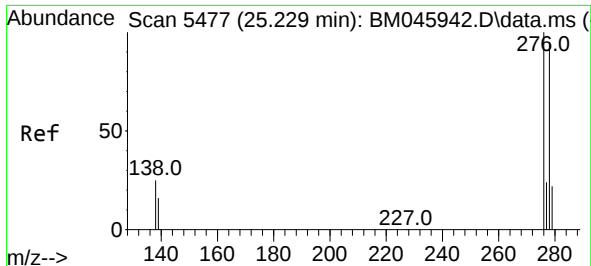
Reviewed By :Jagrut Upadhyay 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 4.316 ng/ul
RT: 25.205 min Scan# 5470
Delta R.T. -0.027 min
Lab File: BM045944.D
Acq: 10 Jun 2024 11:06

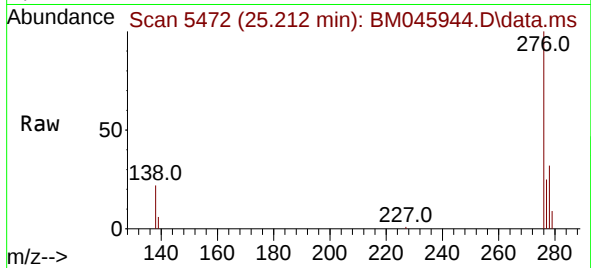
Tgt Ion:276 Resp: 292727
Ion Ratio Lower Upper
276 100
138 21.9 20.7 31.1
227 0.2 0.2 0.2





#28
Dibenzo(a,h)anthracene
Concen: 1.783 ng/ul
RT: 25.212 min Scan# 5477
Delta R.T. -0.037 min
Lab File: BM045944.D
Acq: 10 Jun 2024 11:06

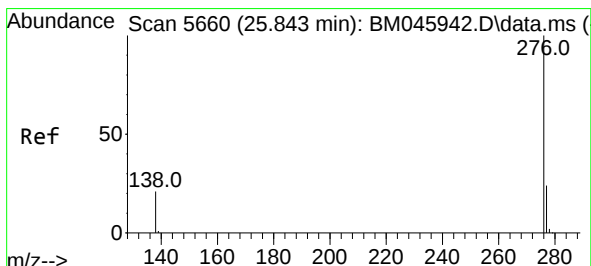
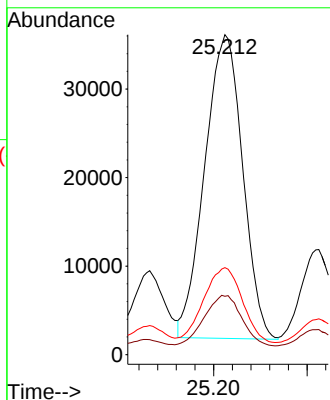
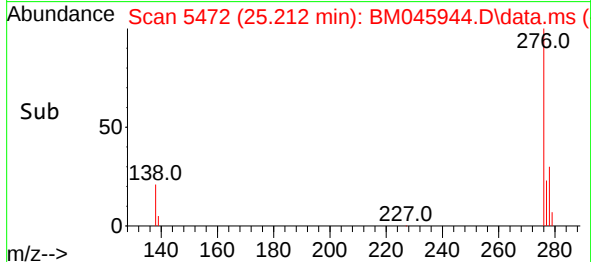
Instrument :
BNA_M
ClientSampleId :
A4C15MS



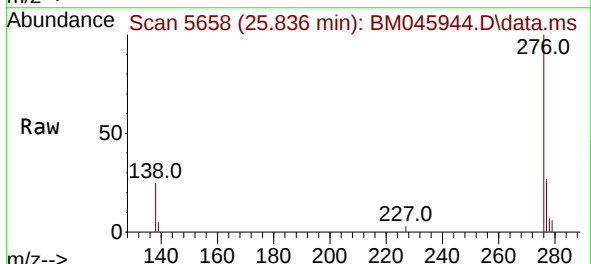
Tgt Ion:278 Resp: 9664
Ion Ratio Lower Upper
278 100
139 18.2 16.6 25.0
279 27.2 24.6 37.0

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



#29
Benzo(g,h,i)perylene
Concen: 0.789 ng/ul
RT: 25.836 min Scan# 5658
Delta R.T. -0.027 min
Lab File: BM045944.D
Acq: 10 Jun 2024 11:06



Tgt Ion:276 Resp: 46144
Ion Ratio Lower Upper
276 100
138 25.4 21.0 31.4
277 26.9 20.5 30.7

