

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042424\
 Data File : BM045563.D
 Acq On : 25 Apr 2024 14:29
 Operator : MA/JU
 Sample : P2104-21DL 5X
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AL8DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/26/2024
 Supervised By :mohammad ahmed 04/27/2024

Quant Time: Apr 25 15:08:37 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM042024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 05:17:39 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.551	152	819	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.325	136	2244	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.200	164	1172	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.963	188	2370	0.400	ng/ul	#-0.02
17) Chrysene-d12	21.181	240	2114	0.400	ng/ul	-0.01
23) Perylene-d12	23.370	264	2934	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.167	96	941	0.857	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.936	152	162	0.055	ng/ul	0.00
18) Fluoranthene-d10	19.006	212	318	0.048	ng/ul	-0.01
Target Compounds					Qvalue	
5) Naphthalene	10.369	128	862	0.143	ng/ul#	93
7) 2-Methylnaphthalene	12.019	142	523	0.152	ng/ul	97
8) 1-Methylnaphthalene	12.228	142	283	0.073	ng/ul	93
10) Acenaphthylene	13.923	152	2869	0.496	ng/ul	98
11) Acenaphthene	14.265	153	876	0.204	ng/ul	95
12) Fluorene	15.264	166	2373	0.517	ng/ul	99
15) Phenanthrene	17.005	178	25795	3.737	ng/ul	93
16) Anthracene	17.098	178	8518	1.319	ng/ul	94
19) Fluoranthene	19.034	202	38167	3.912	ng/ul#	89
20) Pyrene	19.401	202	34062	3.397	ng/ul#	91
21) Benzo(a)anthracene	21.164	228	25652	3.796	ng/ul	95
22) Chrysene	21.216	228	26310	2.532	ng/ul	98
24) Benzo(b)fluoranthene	22.718	252	35833m	3.631	ng/ul	
25) Benzo(k)fluoranthene	22.759	252	14133m	1.133	ng/ul	
26) Benzo(a)pyrene	23.274	252	23774	2.323	ng/ul#	77
27) Indeno(1,2,3-cd)pyrene	25.551	276	17240	1.159	ng/ul#	89
28) Dibenzo(a,h)anthracene	25.558	278	4803	0.407	ng/ul	98
29) Benzo(g,h,i)perylene	26.219	276	13751	1.029	ng/ul	95

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

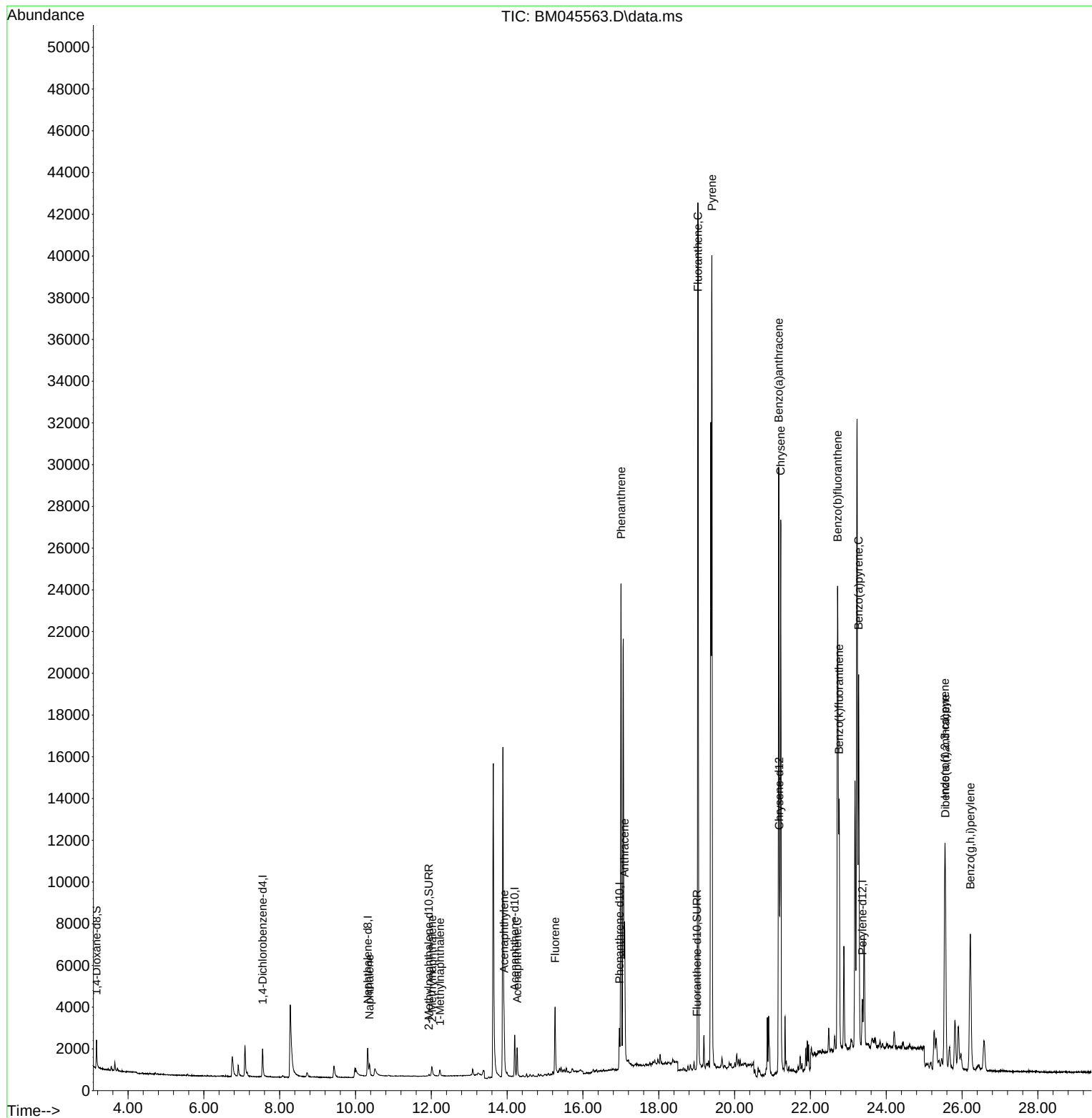
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042424\
Data File : BM045563.D
Acq On : 25 Apr 2024 14:29
Operator : MA/JU
Sample : P2104-21DL 5X
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ALS Vial : 42 Sample Multiplier: 1

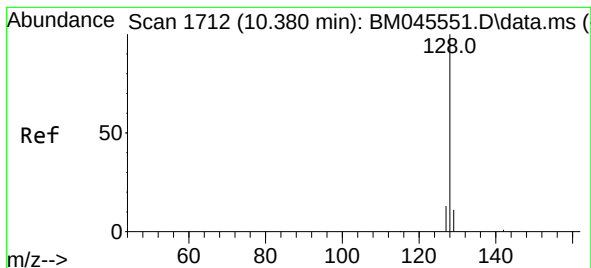
Instrument :
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C0AL8DL

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#5

Naphthalene

Concen: 0.143 ng/ul

RT: 10.369 min Scan# 11

Delta R.T. -0.011 min

Lab File: BM045563.D

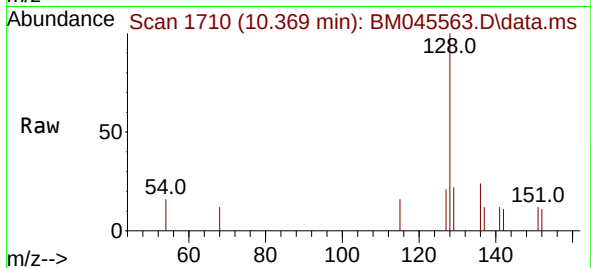
Acq: 25 Apr 2024 14:29

Instrument :

BNA_M

ClientSampleId :

COAL8DL



Tgt Ion:128 Resp: 862

Ion Ratio Lower Upper

128 100

129 21.6 14.0 21.0

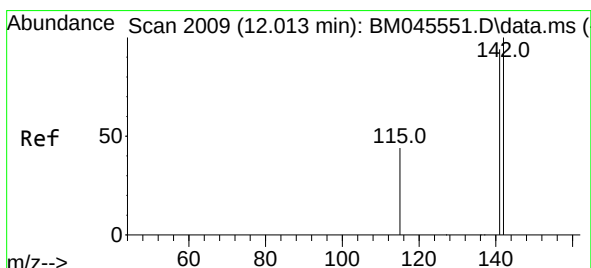
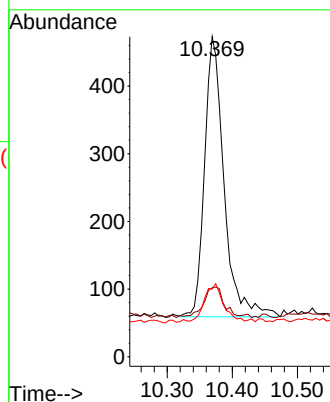
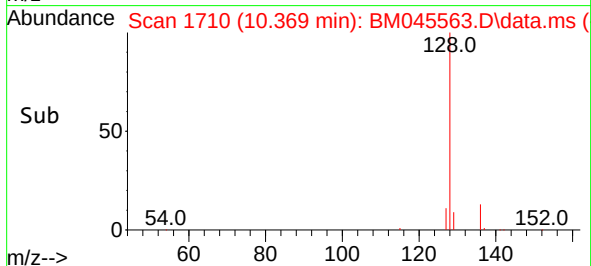
127 21.1 15.4 23.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#7

2-Methylnaphthalene

Concen: 0.152 ng/ul

RT: 12.019 min Scan# 2010

Delta R.T. 0.011 min

Lab File: BM045563.D

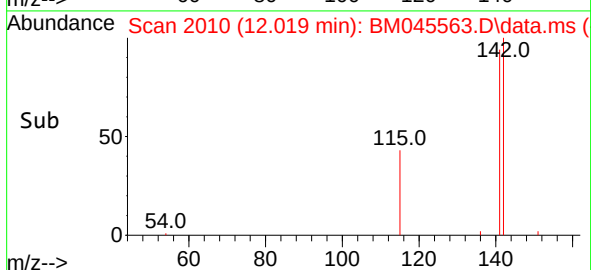
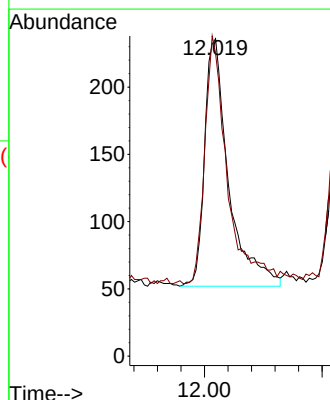
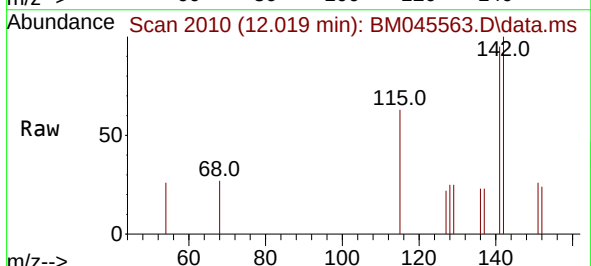
Acq: 25 Apr 2024 14:29

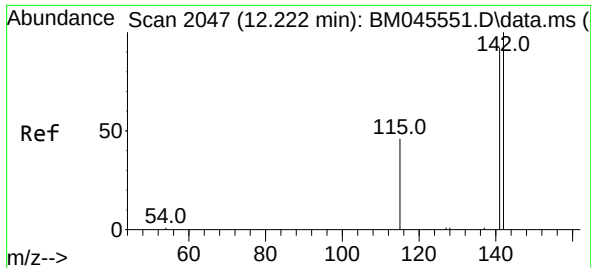
Tgt Ion:142 Resp: 523

Ion Ratio Lower Upper

142 100

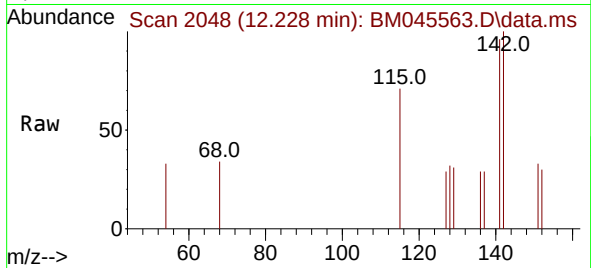
141 95.8 74.6 111.8





#8
1-Methylnaphthalene
Concen: 0.073 ng/ul
RT: 12.228 min Scan# 2047
Delta R.T. 0.006 min
Lab File: BM045563.D
Acq: 25 Apr 2024 14:29

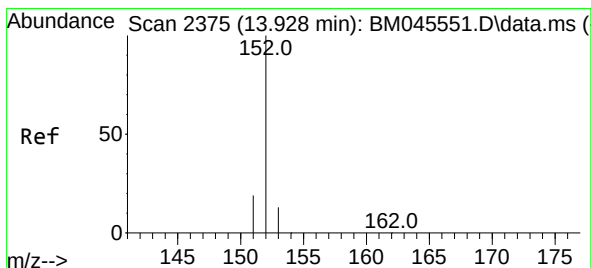
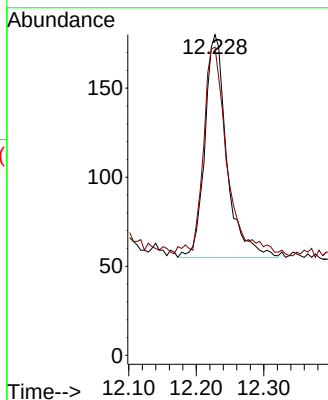
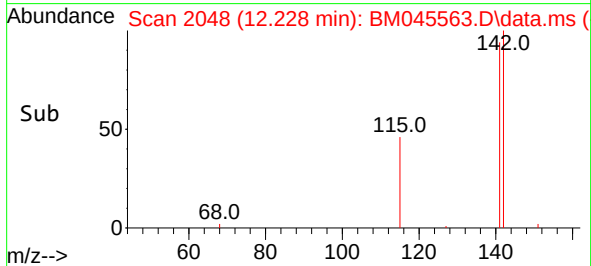
Instrument :
BNA_M
ClientSampleId :
C0AL8DL



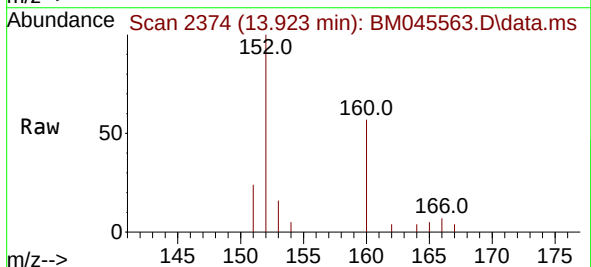
Tgt Ion:142 Resp: 288
Ion Ratio Lower Upper
142 100
141 102.1 76.1 114.1

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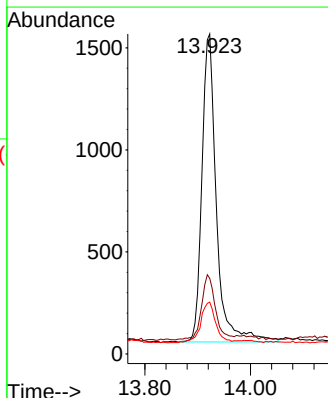
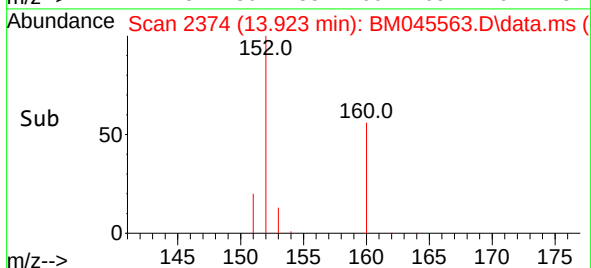
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

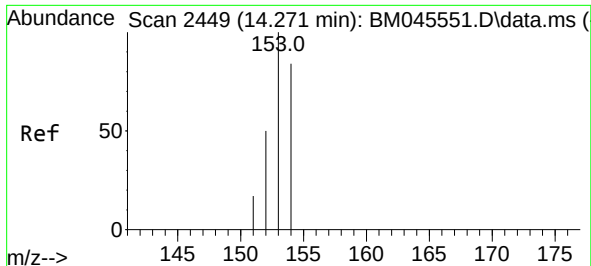


#10
Acenaphthylene
Concen: 0.496 ng/ul
RT: 13.923 min Scan# 2374
Delta R.T. -0.005 min
Lab File: BM045563.D
Acq: 25 Apr 2024 14:29



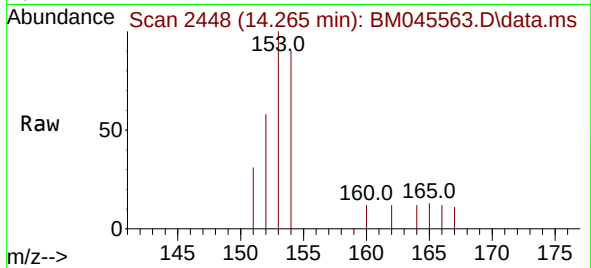
Tgt Ion:152 Resp: 2869
Ion Ratio Lower Upper
152 100
151 23.7 18.6 28.0
153 16.2 14.1 21.1





#11
Acenaphthene
Concen: 0.204 ng/ul
RT: 14.265 min Scan# 2449
Delta R.T. -0.005 min
Lab File: BM045563.D
Acq: 25 Apr 2024 14:29

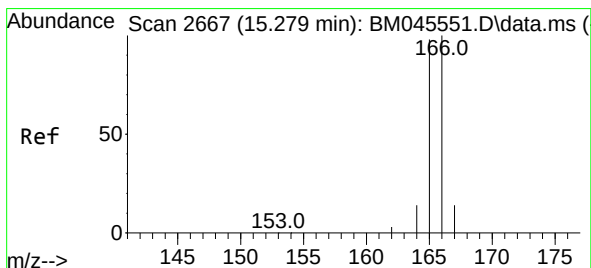
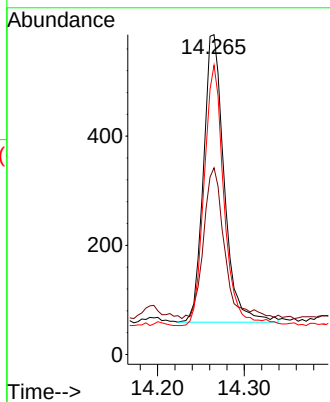
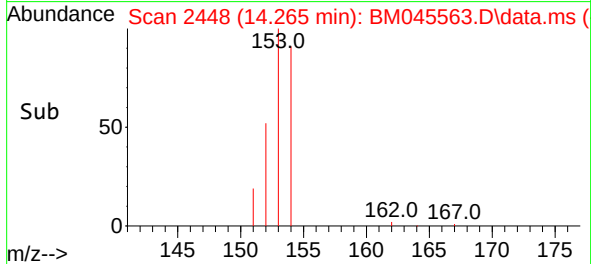
Instrument :
BNA_M
ClientSampleId :
C0AL8DL



Tgt Ion:153 Resp: 870
Ion Ratio Lower Upper
153 100
152 58.4 43.4 65.2
154 90.4 69.0 103.6

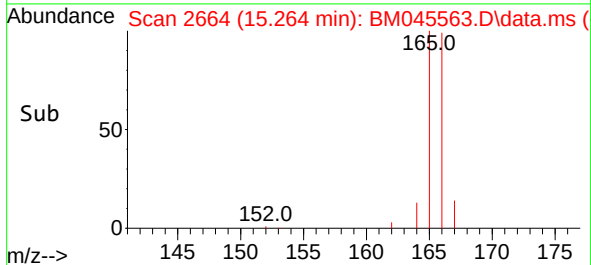
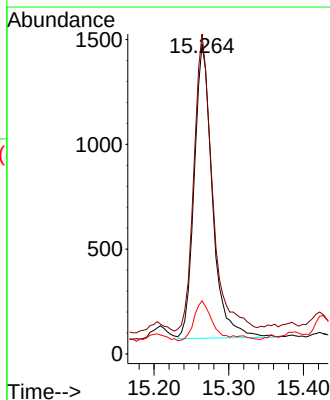
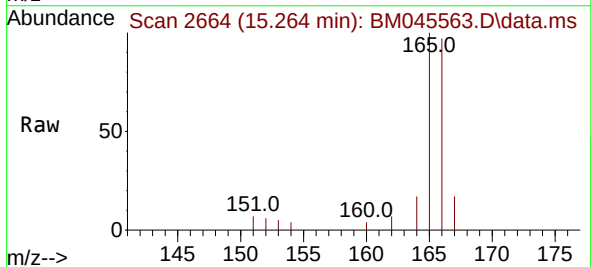
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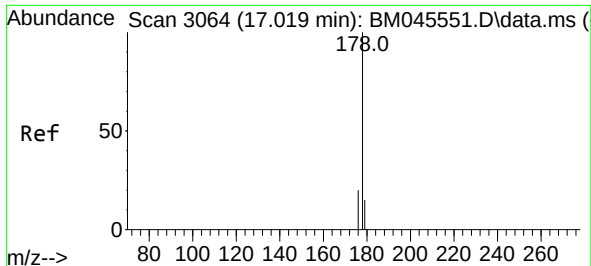
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#12
Fluorene
Concen: 0.517 ng/ul
RT: 15.264 min Scan# 2664
Delta R.T. -0.014 min
Lab File: BM045563.D
Acq: 25 Apr 2024 14:29

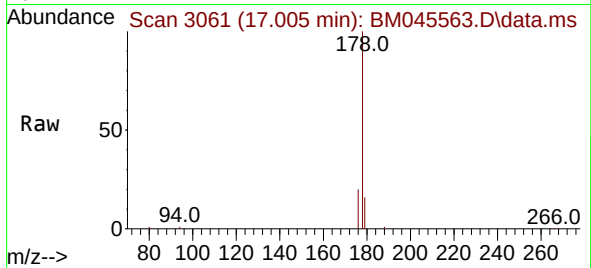
Tgt Ion:166 Resp: 2373
Ion Ratio Lower Upper
166 100
165 103.3 82.2 123.2
167 17.1 14.8 22.2





#15
Phenanthrene
Concen: 3.737 ng/ul
RT: 17.005 min Scan# 3061
Delta R.T. -0.017 min
Lab File: BM045563.D
Acq: 25 Apr 2024 14:29

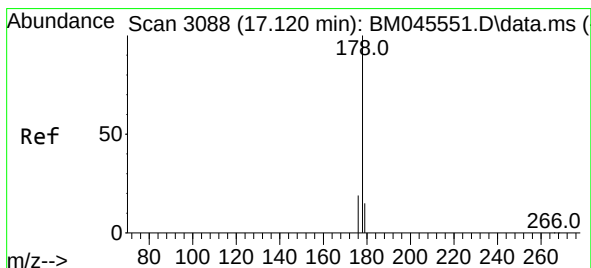
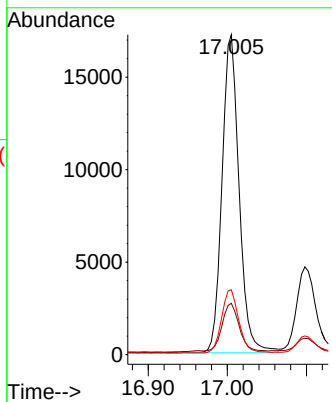
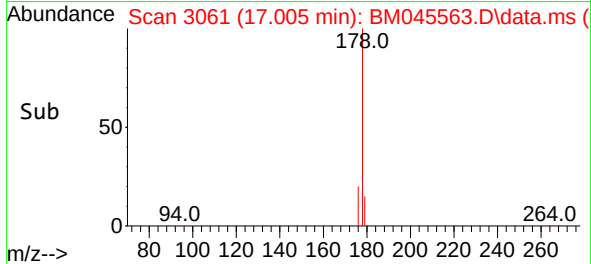
Instrument :
BNA_M
ClientSampleId :
COAL8DL



Tgt Ion:178 Resp: 2579
Ion Ratio Lower Upper
178 100
179 16.1 15.4 23.2
176 20.3 19.0 28.4

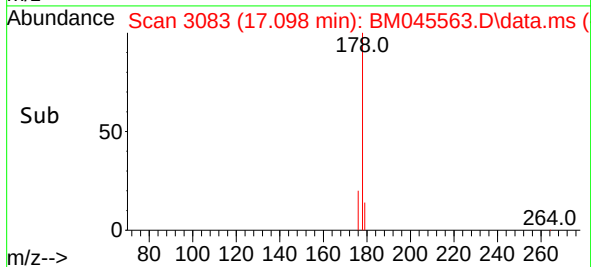
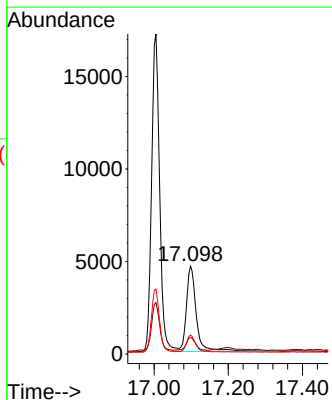
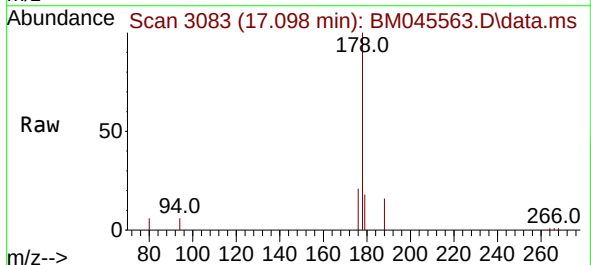
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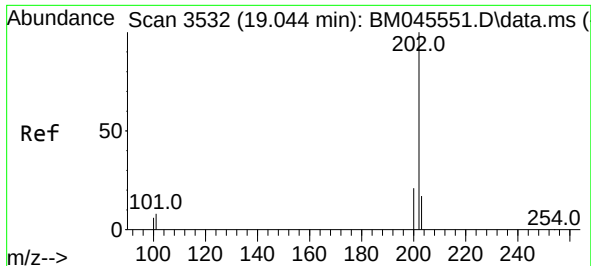
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#16
Anthracene
Concen: 1.319 ng/ul
RT: 17.098 min Scan# 3083
Delta R.T. -0.021 min
Lab File: BM045563.D
Acq: 25 Apr 2024 14:29

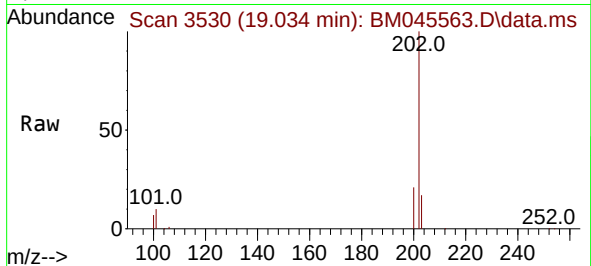
Tgt Ion:178 Resp: 8518
Ion Ratio Lower Upper
178 100
179 18.4 17.8 26.6
176 21.4 18.7 28.1





#19
Fluoranthene
Concen: 3.912 ng/u1
RT: 19.034 min Scan# 316
Delta R.T. -0.014 min
Lab File: BM045563.D
Acq: 25 Apr 2024 14:29

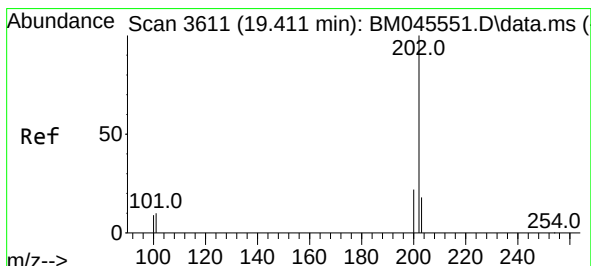
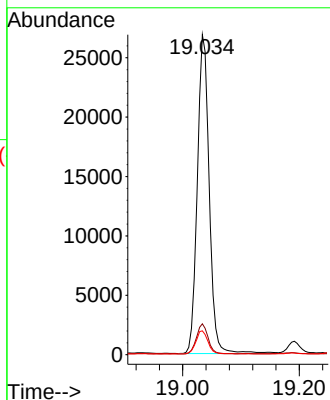
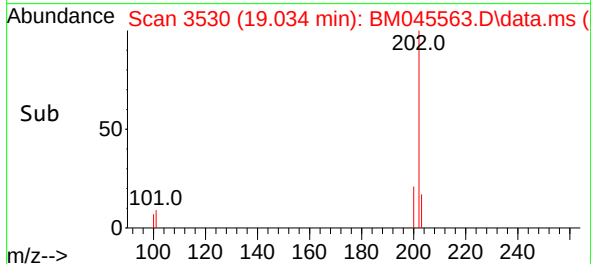
Instrument :
BNA_M
ClientSampleId :
COAL8DL



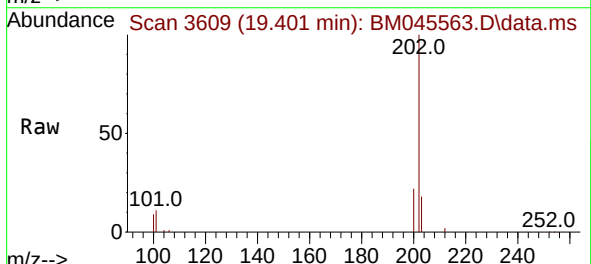
Tgt Ion:202 Resp: 3816
Ion Ratio Lower Upper
202 100
101 9.6 11.2 16.8#
100 7.4 9.1 13.7#

Manual Integrations
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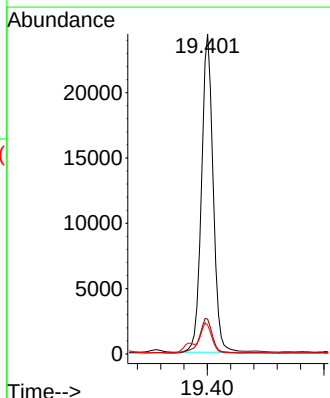
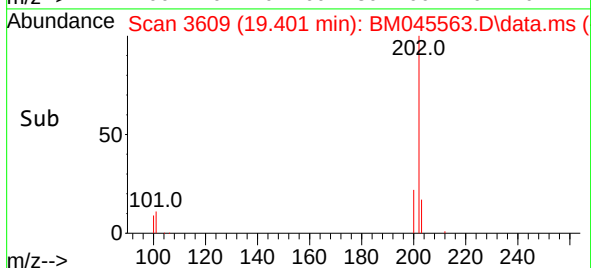
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

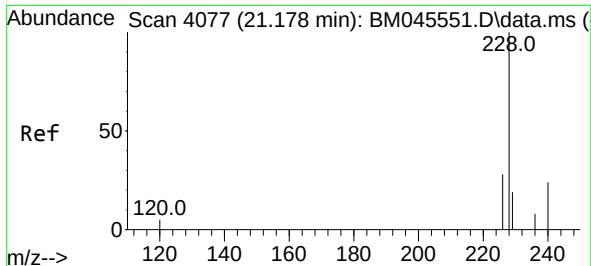


#20
Pyrene
Concen: 3.397 ng/u1
RT: 19.401 min Scan# 3609
Delta R.T. -0.014 min
Lab File: BM045563.D
Acq: 25 Apr 2024 14:29



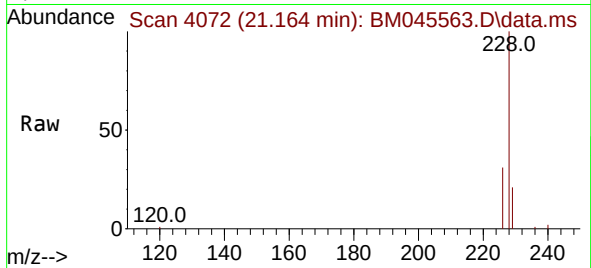
Tgt Ion:202 Resp: 34062
Ion Ratio Lower Upper
202 100
101 10.9 11.5 17.3#
100 9.0 10.6 15.8#





#21
Benzo(a)anthracene
Concen: 3.796 ng/ul
RT: 21.164 min Scan# 4072
Delta R.T. -0.017 min
Lab File: BM045563.D
Acq: 25 Apr 2024 14:29

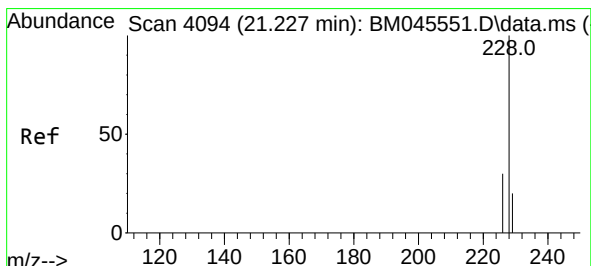
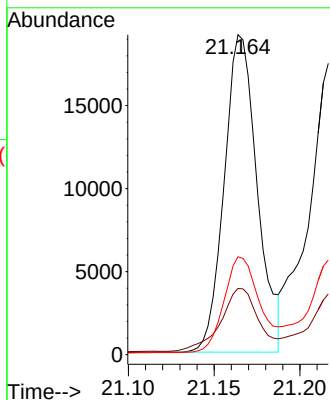
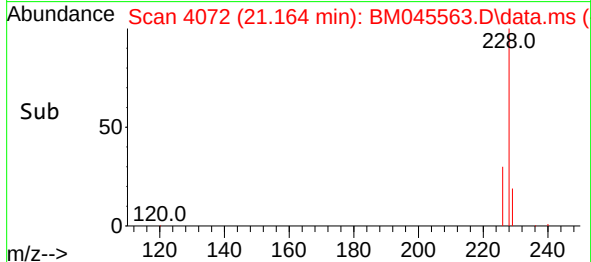
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ClientSampleId :
COAL8DL



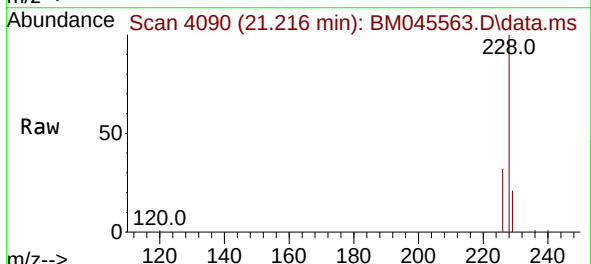
Tgt Ion:228 Resp: 25652
Ion Ratio Lower Upper
228 100
229 20.7 19.4 29.2
226 30.6 26.3 39.5

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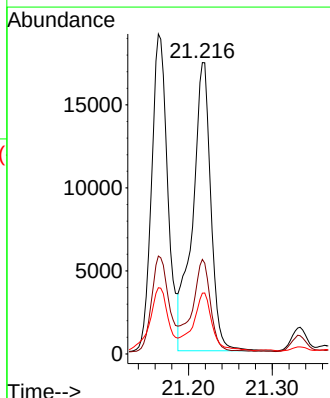
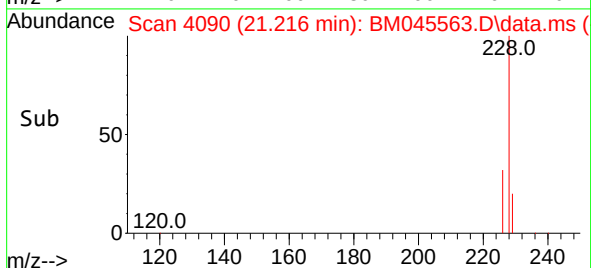
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

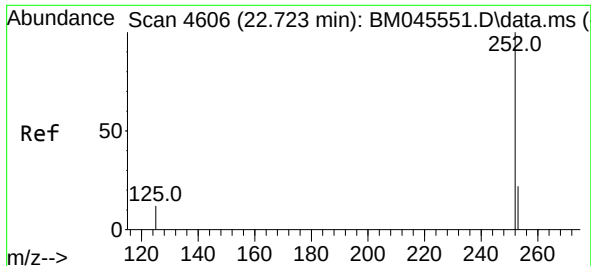


#22
Chrysene
Concen: 2.532 ng/ul
RT: 21.216 min Scan# 4090
Delta R.T. -0.012 min
Lab File: BM045563.D
Acq: 25 Apr 2024 14:29



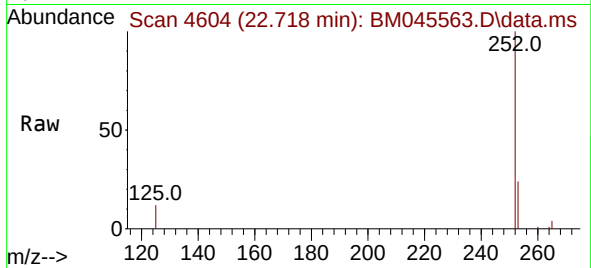
Tgt Ion:228 Resp: 26310
Ion Ratio Lower Upper
228 100
226 32.4 26.3 39.5
229 20.9 17.8 26.8





#24
Benzo(b)fluoranthene
Concen: 3.631 ng/ul m
RT: 22.718 min Scan# 4604
Delta R.T. -0.012 min
Lab File: BM045563.D
Acq: 25 Apr 2024 14:29

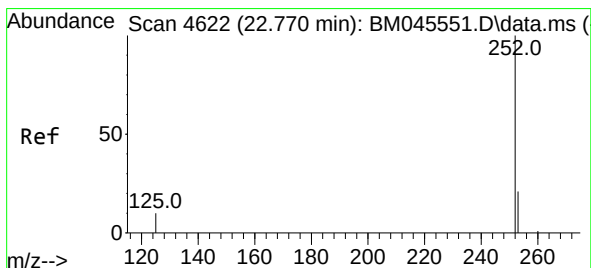
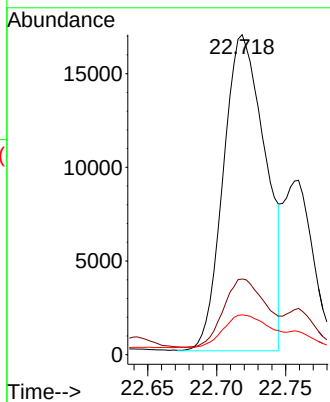
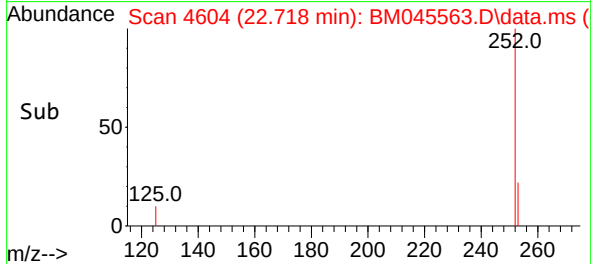
Instrument :
BNA_M
ClientSampleId :
COAL8DL



Tgt Ion:252 Resp: 3583
Ion Ratio Lower Upper
252 100
253 23.6 0.0 63.4
125 12.5 0.0 36.8

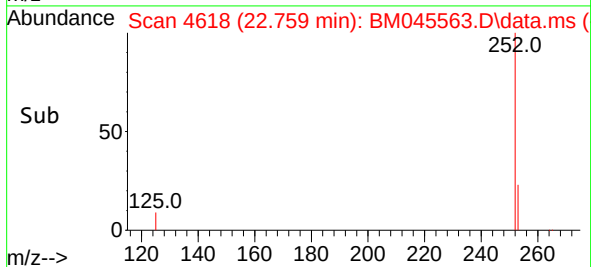
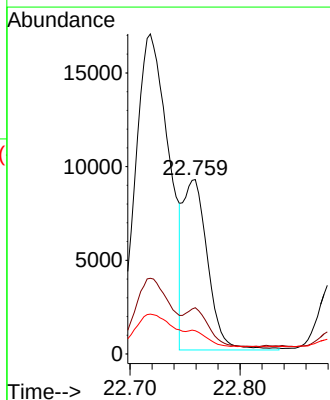
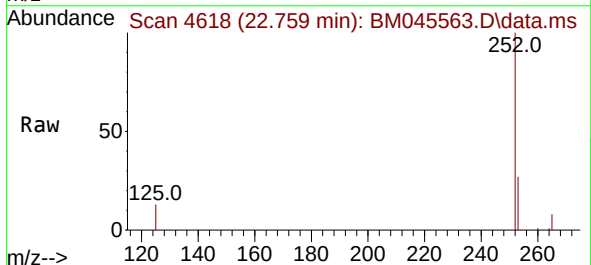
Manual Integrations
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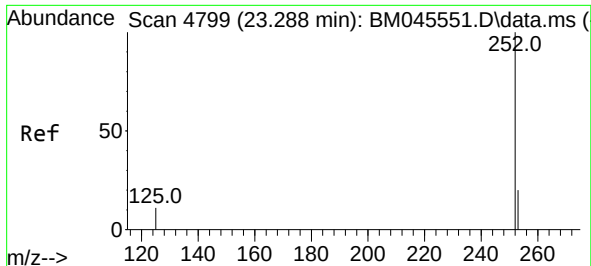
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#25
Benzo(k)fluoranthene
Concen: 1.133 ng/ul m
RT: 22.759 min Scan# 4618
Delta R.T. -0.012 min
Lab File: BM045563.D
Acq: 25 Apr 2024 14:29

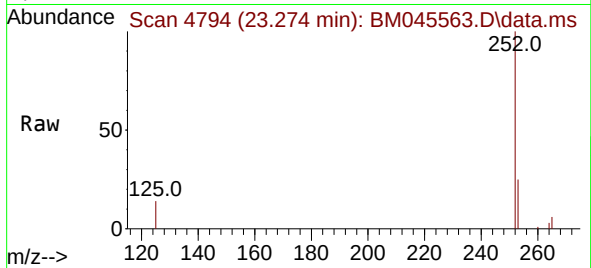
Tgt Ion:252 Resp: 14133
Ion Ratio Lower Upper
252 100
253 26.5 25.4 38.0
125 13.3 14.8 22.2#





#26
Benzo(a)pyrene
Concen: 2.323 ng/ul
RT: 23.274 min Scan# 4794
Delta R.T. -0.017 min
Lab File: BM045563.D
Acq: 25 Apr 2024 14:29

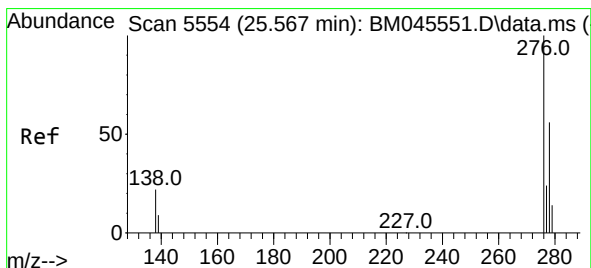
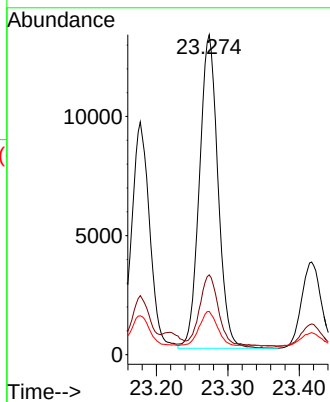
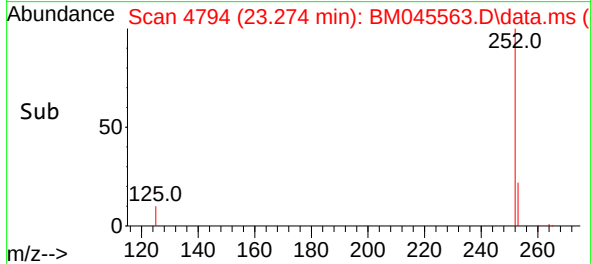
Instrument :
BNA_M
ClientSampleId :
COAL8DL



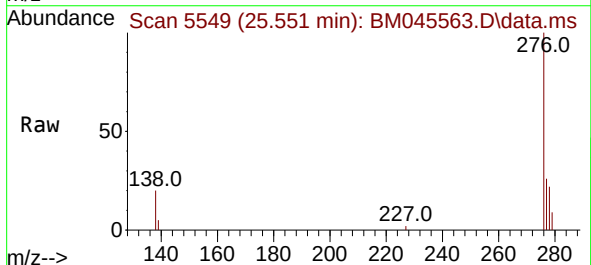
Tgt Ion:252 Resp: 23774
Ion Ratio Lower Upper
252 100
253 24.9 31.6 47.4#
125 13.5 19.5 29.3#

Manual Integrations
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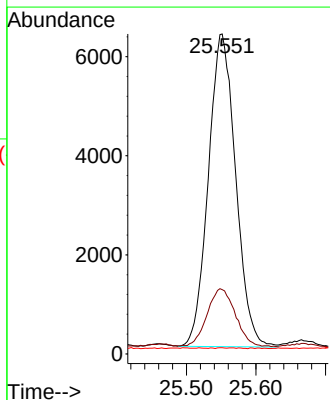
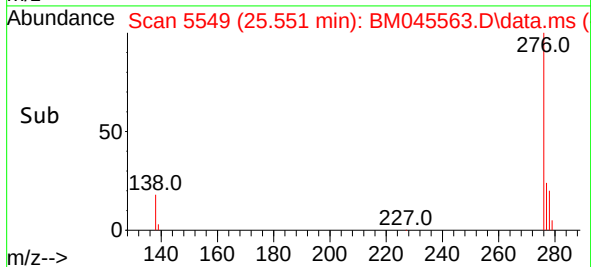
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

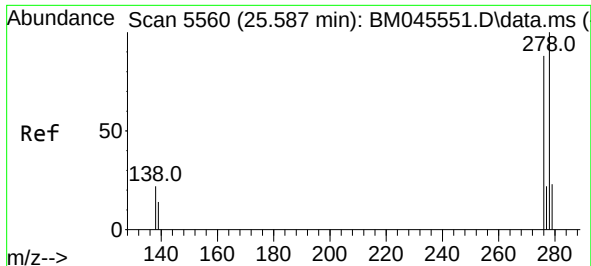


#27
Indeno(1,2,3-cd)pyrene
Concen: 1.159 ng/ul
RT: 25.551 min Scan# 5549
Delta R.T. -0.020 min
Lab File: BM045563.D
Acq: 25 Apr 2024 14:29



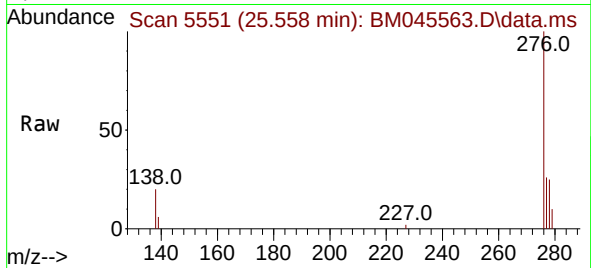
Tgt Ion:276 Resp: 17240
Ion Ratio Lower Upper
276 100
138 19.2 19.8 29.6#
227 0.1 0.2 0.2#





#28
Dibenzo(a,h)anthracene
Concen: 0.407 ng/ul
RT: 25.558 min Scan# 51
Delta R.T. -0.030 min
Lab File: BM045563.D
Acq: 25 Apr 2024 14:29

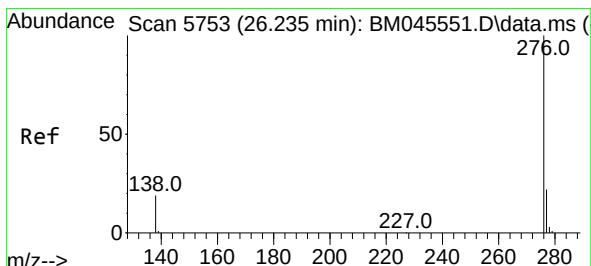
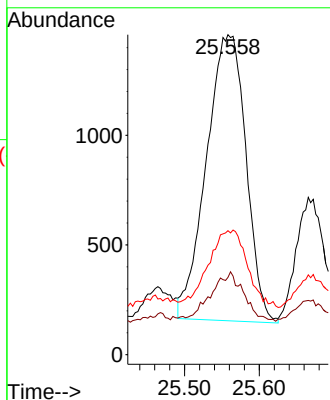
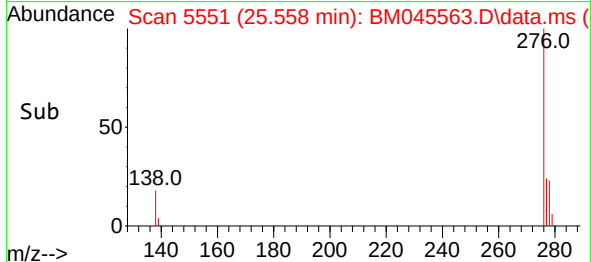
Instrument :
BNA_M
ClientSampleId :
COAL8DL



Tgt Ion: 278 Resp: 480
Ion Ratio Lower Upper
278 100
139 24.1 19.0 28.6
279 38.7 29.4 44.2

Manual Integrations
APPROVED

Reviewed By : Yogesh Patel 04/26/2024
Supervised By : mohammad ahmed 04/27/2024



#29
Benzo(g,h,i)perylene
Concen: 1.029 ng/ul
RT: 26.219 min Scan# 5748
Delta R.T. -0.017 min
Lab File: BM045563.D
Acq: 25 Apr 2024 14:29

Tgt Ion: 276 Resp: 13751
Ion Ratio Lower Upper
276 100
138 22.2 20.8 31.2
277 25.7 21.8 32.8

