

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042424\
 Data File : BM045555.D
 Acq On : 25 Apr 2024 08:57
 Operator : MA/JU
 Sample : P2104-21
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 COAL8

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/25/2024
 Supervised By :mohammad ahmed 04/27/2024

Quant Time: Apr 25 09:27:59 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	7.547	152	994	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.314	136	2674	0.400	ng/ul	#-0.02
9) Acenaphthene-d10	14.196	164	1441	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.959	188	3135m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.179	240	2478m	0.400	ng/ul	-0.01
23) Perylene-d12	23.365	264	3681	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.163	96	4702	3.529	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.920	152	829	0.235	ng/ul	-0.01
18) Fluoranthene-d10	19.001	212	1822	0.234	ng/ul	-0.02
Target Compounds						
					Qvalue	
5) Naphthalene	10.358	128	4547	0.633	ng/ul#	90
7) 2-Methylnaphthalene	11.991	142	2911	0.710	ng/ul	98
8) 1-Methylnaphthalene	12.211	142	1543	0.335	ng/ul	97
10) Acenaphthylene	13.918	152	16266	2.289	ng/ul#	94
11) Acenaphthene	14.261	153	4836	0.916	ng/ul	97
12) Fluorene	15.260	166	13030	2.308	ng/ul	99
15) Phenanthrene	17.001	178	145387m	15.924	ng/ul	
16) Anthracene	17.094	178	43415m	5.082	ng/ul	
19) Fluoranthene	19.034	202	216509m	18.933	ng/ul	
20) Pyrene	19.401	202	189411	16.114	ng/ul#	91
21) Benzo(a)anthracene	21.161	228	147533m	18.626	ng/ul	
22) Chrysene	21.217	228	142092	11.667	ng/ul	98
24) Benzo(b)fluoranthene	22.716	252	206248	16.657	ng/ul	84
25) Benzo(k)fluoranthene	22.757	252	68930m	4.406	ng/ul	
26) Benzo(a)pyrene	23.271	252	127486	9.927	ng/ul#	74
27) Indeno(1,2,3-cd)pyrene	25.545	276	93639	5.017	ng/ul#	90
28) Dibenzo(a,h)anthracene	25.551	278	27343m	1.847	ng/ul	
29) Benzo(g,h,i)perylene	26.212	276	74260	4.428	ng/ul#	92

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

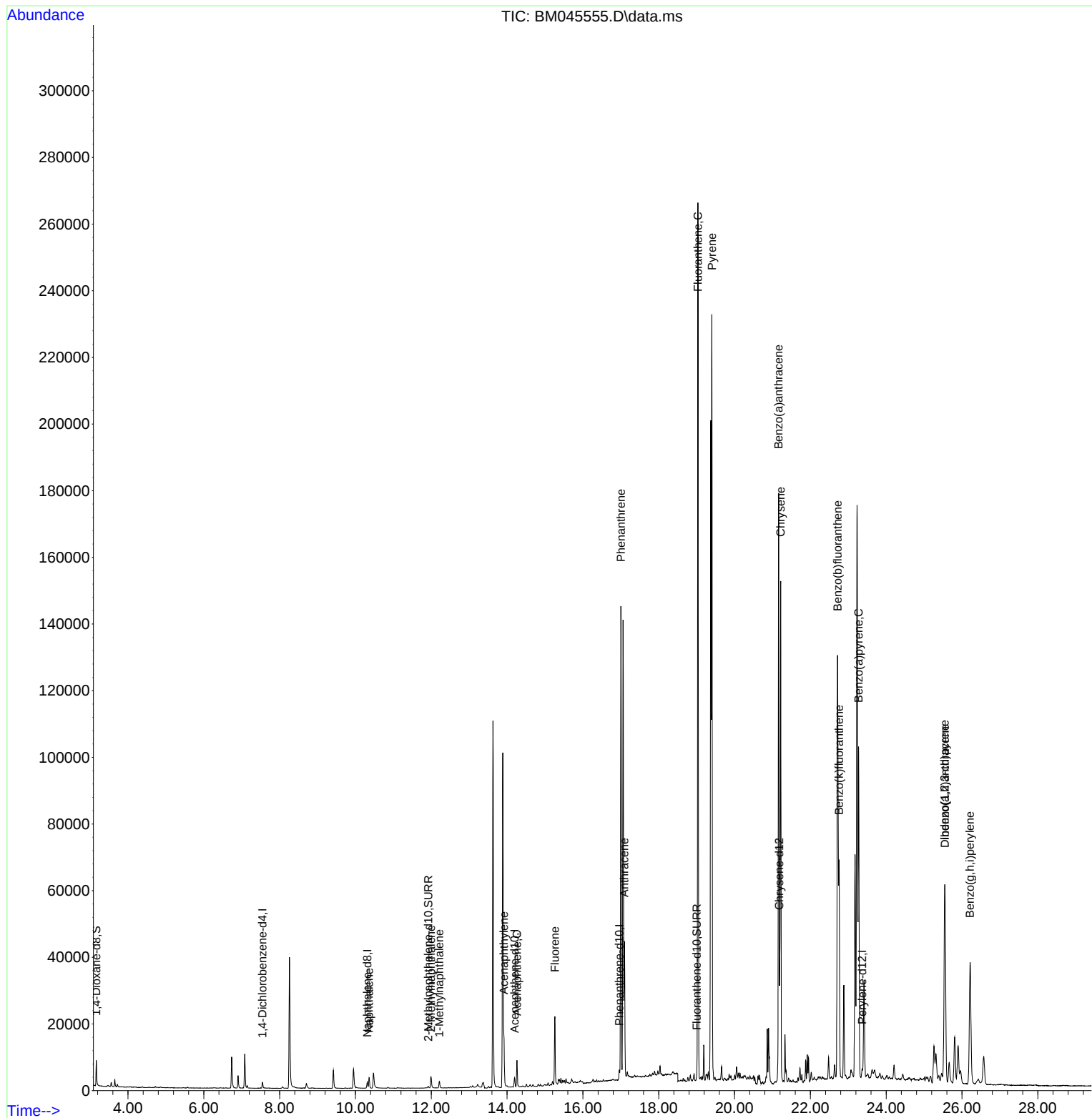
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042424\
Data File : BM045555.D
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ALS Vial : 34 Sample Multiplier: 1

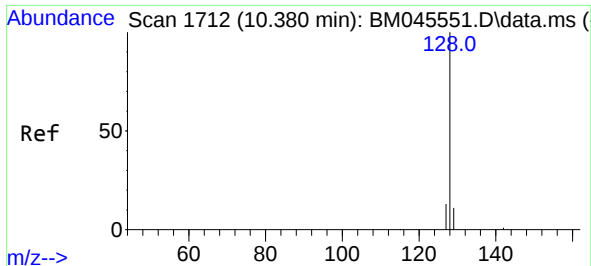
Instrument :
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ClientSampleId :
COAL8

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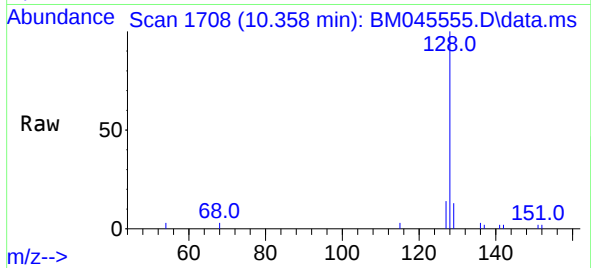
Quant Time: Apr 25 09:27:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 24 05:17:39 2024
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#5
Naphthalene
Concen: 0.633 ng/ul
RT: 10.358 min Scan# 1708
Delta R.T. -0.022 min
Lab File: BM045555.D
Acq: 25 Apr 2024 08:57

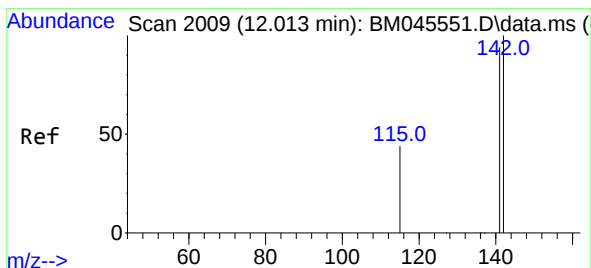
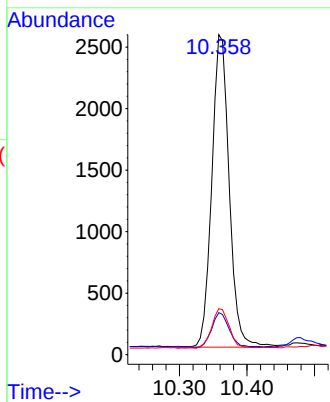
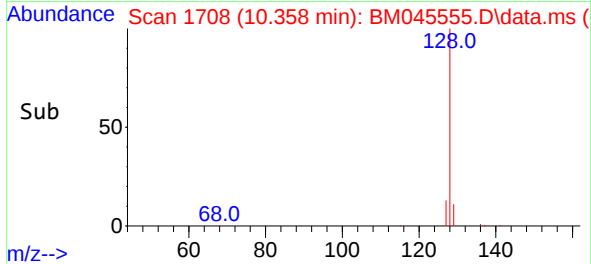
Instrument :
BNA_M
ClientSampleId :
COAL8



Tgt Ion:128 Resp: 454
Ion Ratio Lower Upper
128 100
129 13.1 14.0 21.0
127 14.4 15.4 23.2

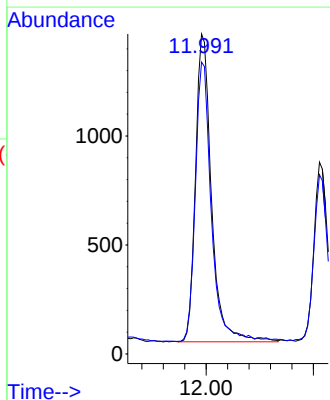
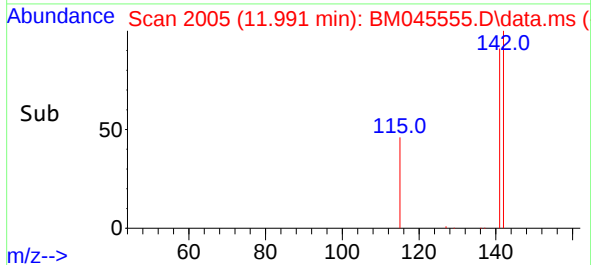
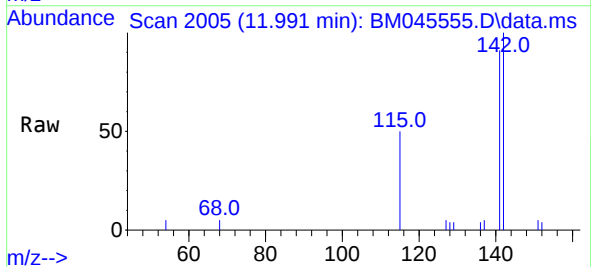
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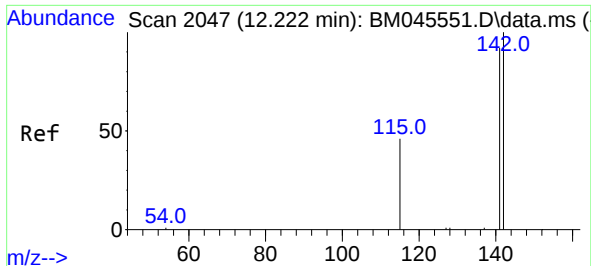
Reviewed By :Yogesh Patel 04/25/2024
Supervised By :mohammad ahmed 04/27/2024



#7
2-Methylnaphthalene
Concen: 0.710 ng/ul
RT: 11.991 min Scan# 2005
Delta R.T. -0.016 min
Lab File: BM045555.D
Acq: 25 Apr 2024 08:57

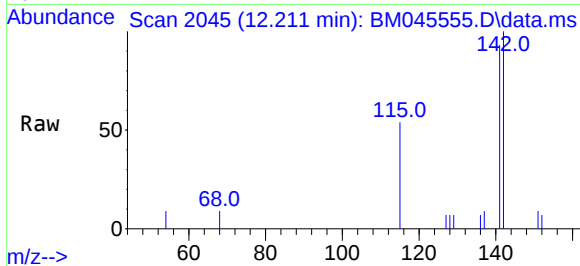
Tgt Ion:142 Resp: 2911
Ion Ratio Lower Upper
142 100
141 91.8 74.6 111.8





#8
1-Methylnaphthalene
Concen: 0.335 ng/u1
RT: 12.211 min Scan# 2045
Delta R.T. -0.011 min
Lab File: BM045555.D
Acq: 25 Apr 2024 08:57

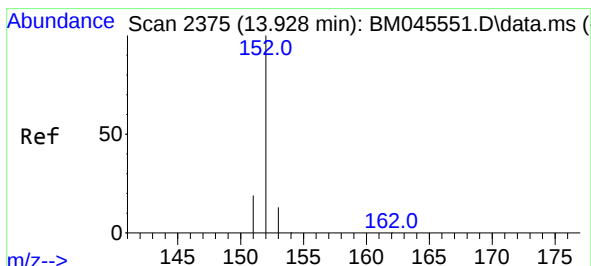
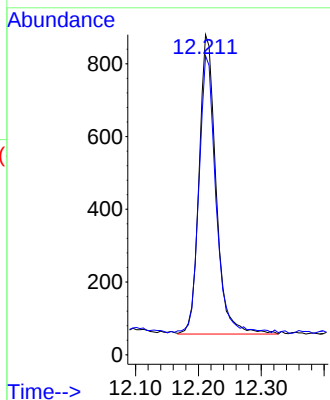
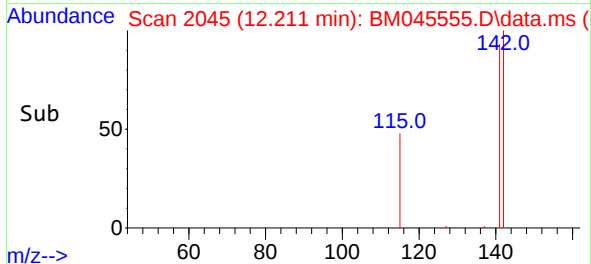
Instrument :
BNA_M
ClientSampleId :
COAL8



Tgt Ion:142 Resp: 154
Ion Ratio Lower Upper
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141 92.4 76.1 114.1

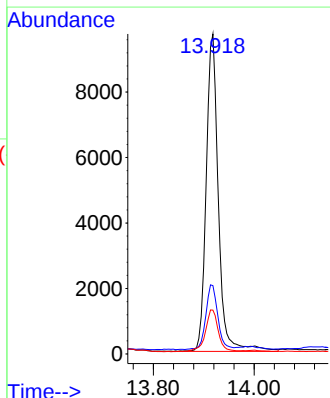
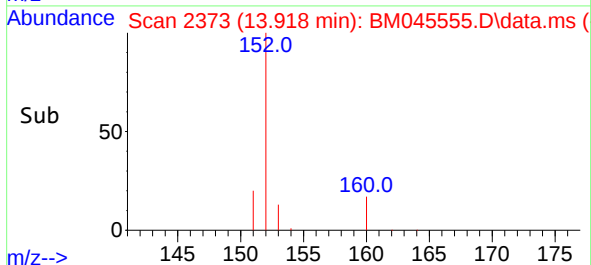
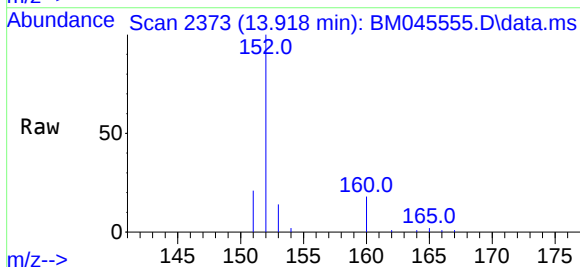
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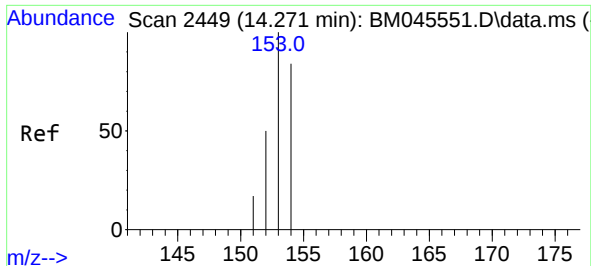
Reviewed By :Yogesh Patel 04/25/2024
Supervised By :mohammad ahmed 04/27/2024



#10
Acenaphthylene
Concen: 2.289 ng/u1
RT: 13.918 min Scan# 2373
Delta R.T. -0.009 min
Lab File: BM045555.D
Acq: 25 Apr 2024 08:57

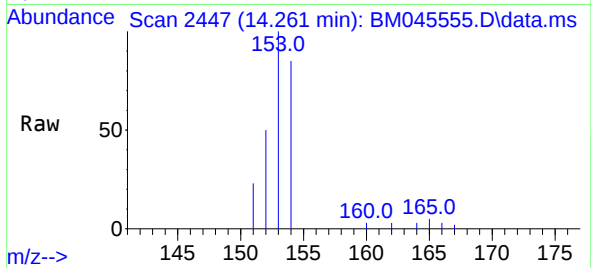
Tgt Ion:152 Resp: 16266
Ion Ratio Lower Upper
152 100
151 21.4 18.6 28.0
153 13.7 14.1 21.1#





#11
Acenaphthene
Concen: 0.916 ng/u1
RT: 14.261 min Scan# 2447
Delta R.T. -0.009 min
Lab File: BM045555.D
Acq: 25 Apr 2024 08:57

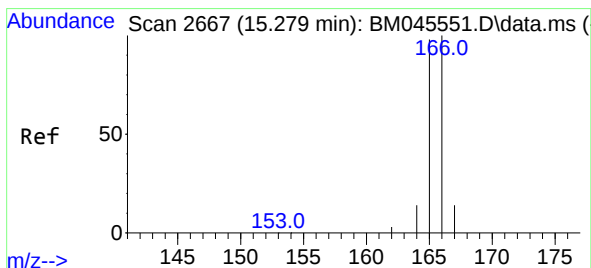
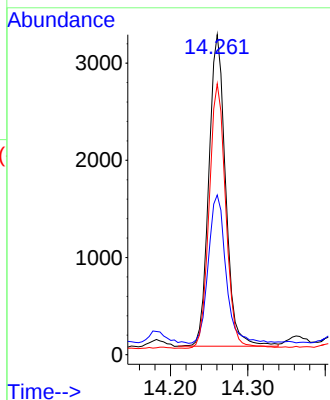
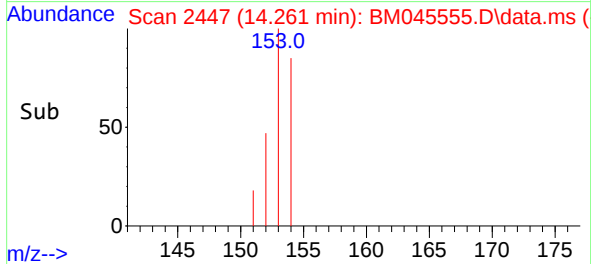
Instrument :
BNA_M
ClientSampleId :
COAL8



Tgt Ion:153 Resp: 4830
Ion Ratio Lower Upper
153 100
152 49.9 43.4 65.2
154 84.6 69.0 103.6

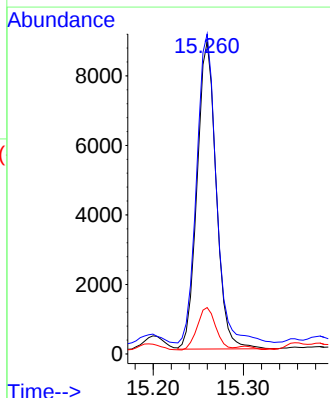
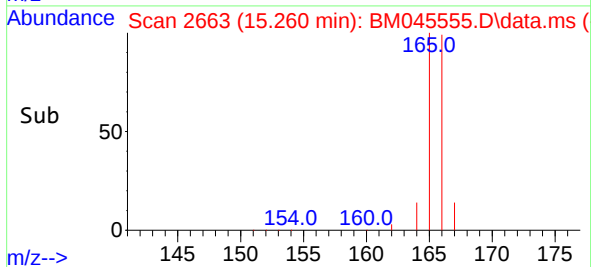
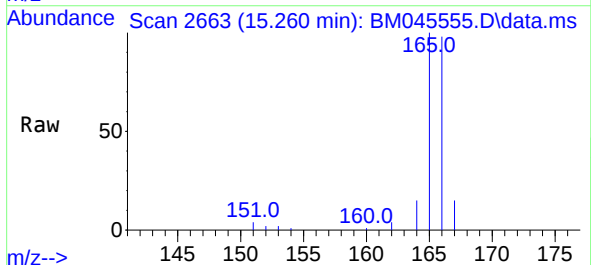
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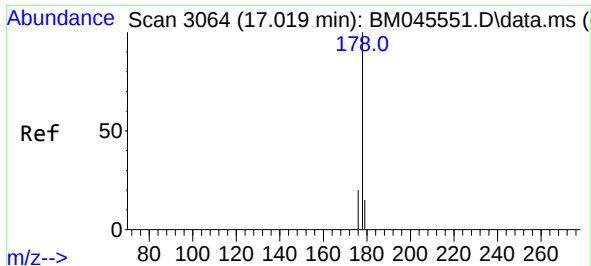
Reviewed By :Yogesh Patel 04/25/2024
Supervised By :mohammad ahmed 04/27/2024



#12
Fluorene
Concen: 2.308 ng/u1
RT: 15.260 min Scan# 2663
Delta R.T. -0.018 min
Lab File: BM045555.D
Acq: 25 Apr 2024 08:57

Tgt Ion:166 Resp: 13030
Ion Ratio Lower Upper
166 100
165 102.6 82.2 123.2
167 14.9 14.8 22.2





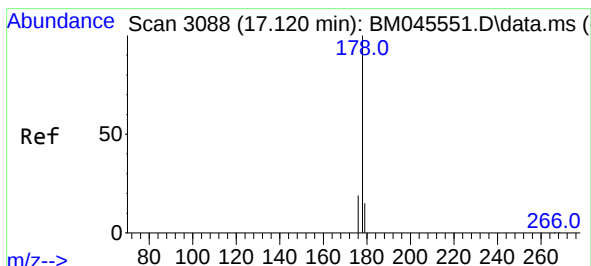
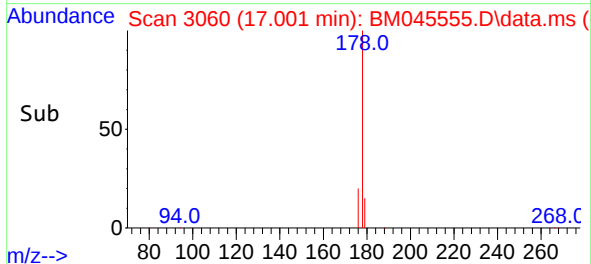
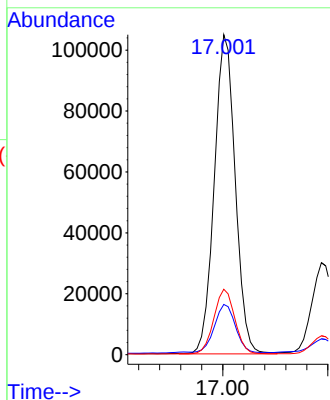
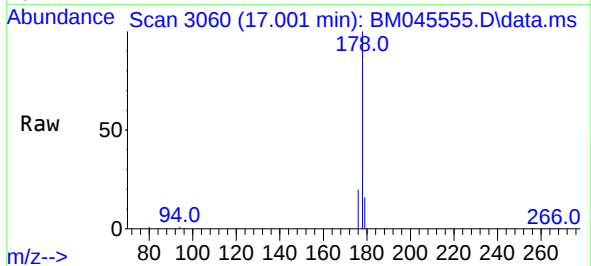
#15
Phenanthrene
Concen: 15.924 ng/ul m
RT: 17.001 min Scan# 3060
Delta R.T. -0.021 min
Lab File: BM045555.D
Acq: 25 Apr 2024 08:57

Instrument :
BNA_M
ClientSampleId :
COAL8

Tgt Ion:178 Resp: 14538
Ion Ratio Lower Upper
178 100
179 15.7 15.4 23.2
176 20.5 19.0 28.4

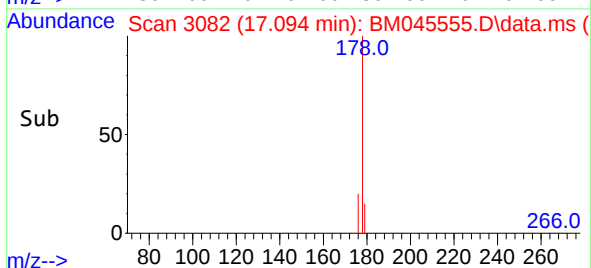
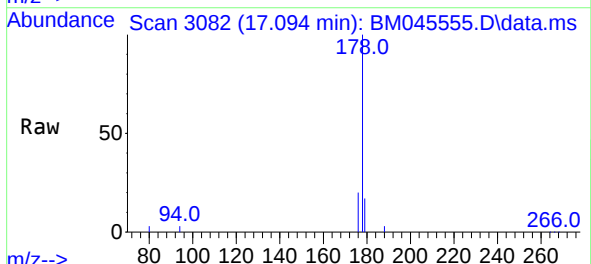
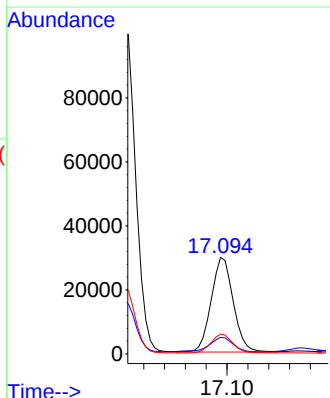
Manual Integrations
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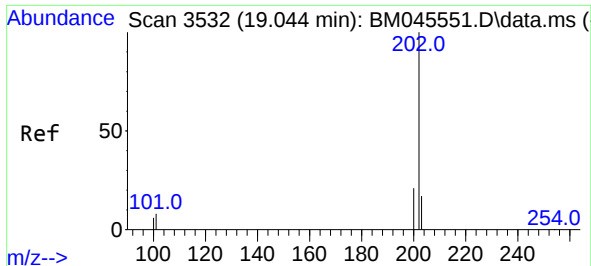
Reviewed By :Yogesh Patel 04/25/2024
Supervised By :mohammad ahmed 04/27/2024



#16
Anthracene
Concen: 5.082 ng/ul m
RT: 17.094 min Scan# 3082
Delta R.T. -0.025 min
Lab File: BM045555.D
Acq: 25 Apr 2024 08:57

Tgt Ion:178 Resp: 43415
Ion Ratio Lower Upper
178 100
179 17.2 17.8 26.6#
176 20.5 18.7 28.1





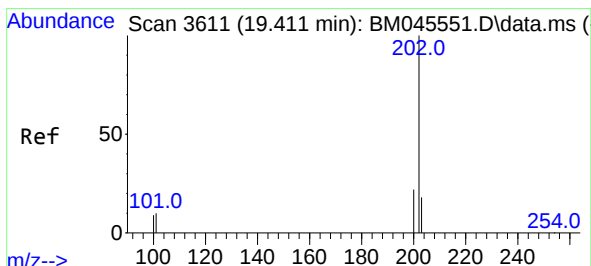
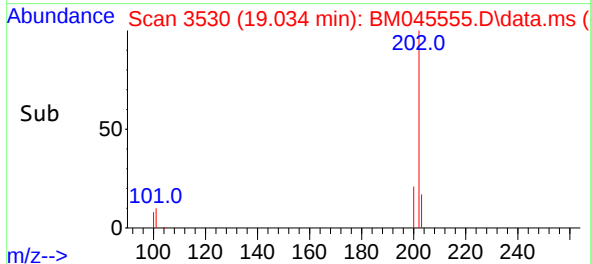
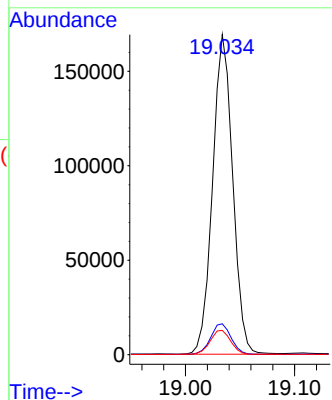
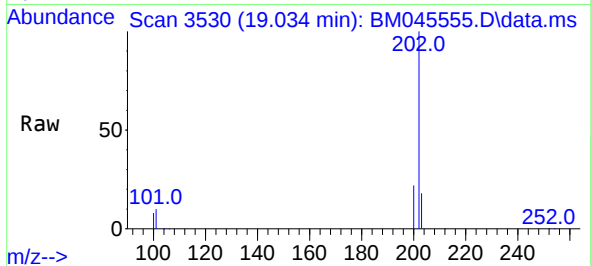
#19
Fluoranthene
Concen: 18.933 ng/ul m
RT: 19.034 min Scan# 3
Delta R.T. -0.014 min
Lab File: BM045555.D
Acq: 25 Apr 2024 08:57

Instrument :
BNA_M
ClientSampleId :
COAL8

Tgt Ion:202 Resp: 216509
Ion Ratio Lower Upper
202 100
101 9.6 11.2 16.8#
100 7.6 9.1 13.7#

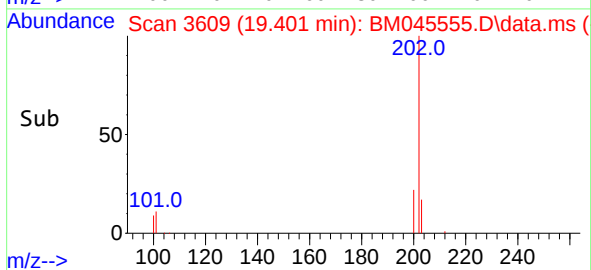
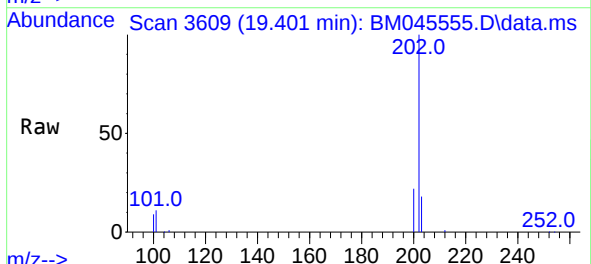
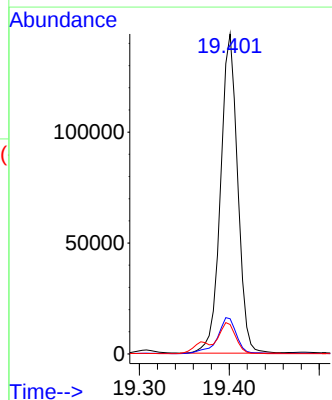
Manual Integrations
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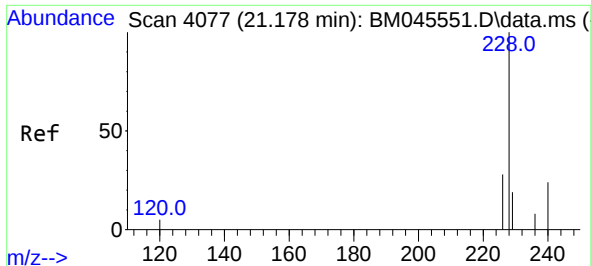
Reviewed By :Yogesh Patel 04/25/2024
Supervised By :mohammad ahmed 04/27/2024



#20
Pyrene
Concen: 16.114 ng/ul
RT: 19.401 min Scan# 3609
Delta R.T. -0.014 min
Lab File: BM045555.D
Acq: 25 Apr 2024 08:57

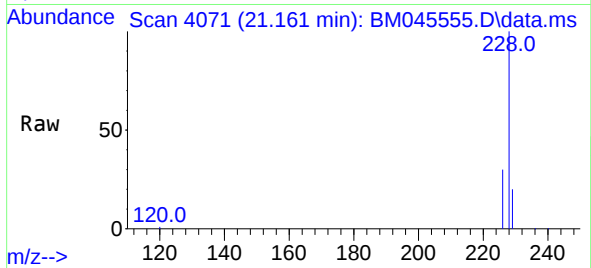
Tgt Ion:202 Resp: 189411
Ion Ratio Lower Upper
202 100
101 11.0 11.5 17.3#
100 9.2 10.6 15.8#





#21
Benzo(a)anthracene
Concen: 18.626 ng/ul m
RT: 21.161 min Scan# 4071
Delta R.T. -0.020 min
Lab File: BM045555.D
Acq: 25 Apr 2024 08:57

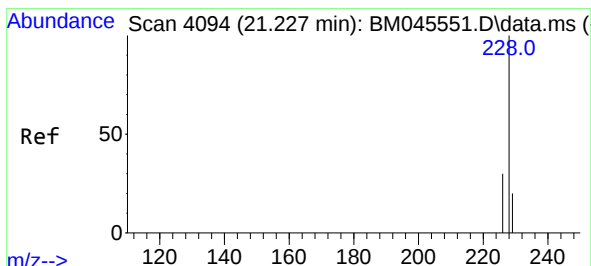
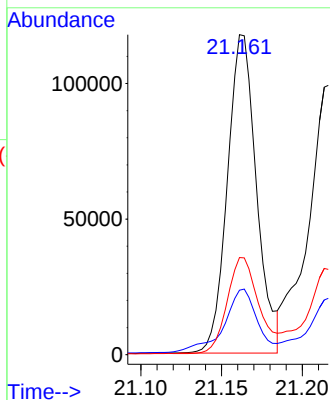
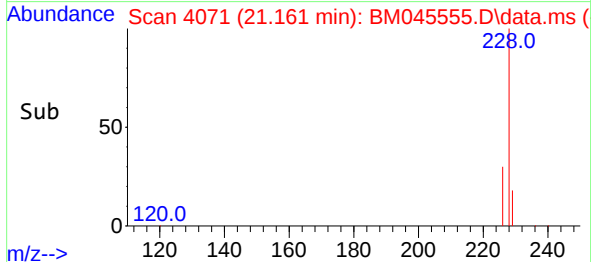
Instrument :
BNA_M
ClientSampleId :
COAL8



Tgt Ion:228 Resp: 14753
Ion Ratio Lower Upper
228 100
229 20.2 19.4 29.2
226 30.3 26.3 39.5

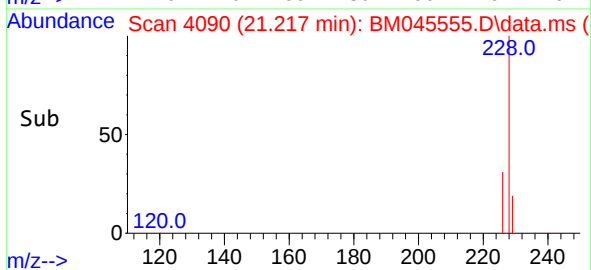
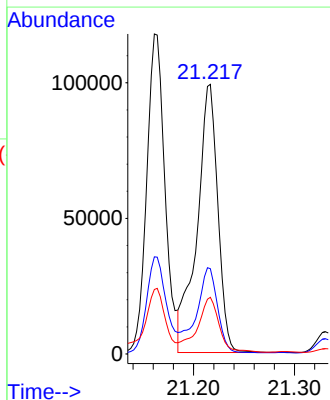
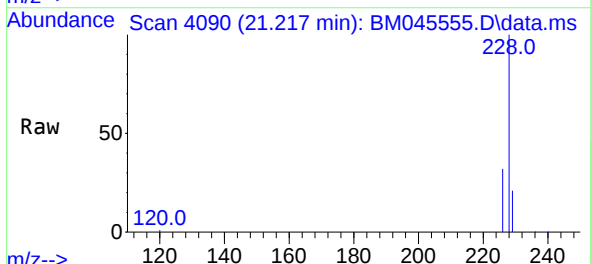
Manual Integrations
APPROVED

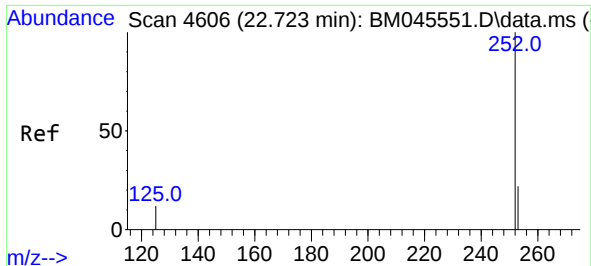
Reviewed By :Yogesh Patel 04/25/2024
Supervised By :mohammad ahmed 04/27/2024



#22
Chrysene
Concen: 11.667 ng/ul
RT: 21.217 min Scan# 4090
Delta R.T. -0.011 min
Lab File: BM045555.D
Acq: 25 Apr 2024 08:57

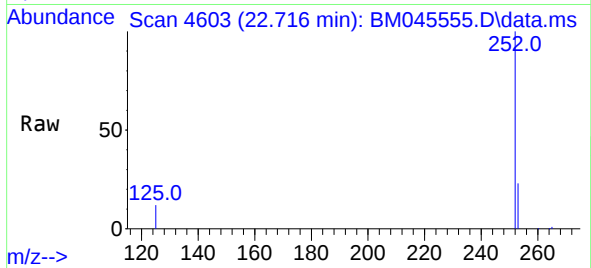
Tgt Ion:228 Resp: 142092
Ion Ratio Lower Upper
228 100
226 31.6 26.3 39.5
229 21.0 17.8 26.8





#24
Benzo(b)fluoranthene
Concen: 16.657 ng/ul
RT: 22.716 min Scan# 4603
Delta R.T. -0.014 min
Lab File: BM045555.D
Acq: 25 Apr 2024 08:57

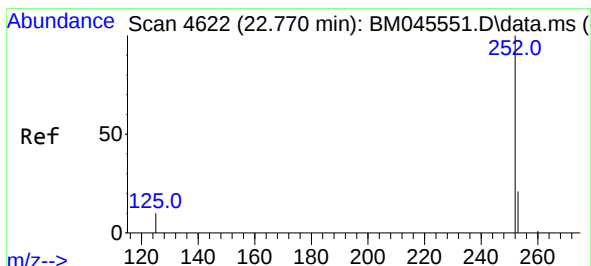
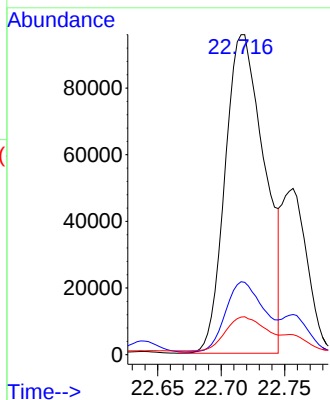
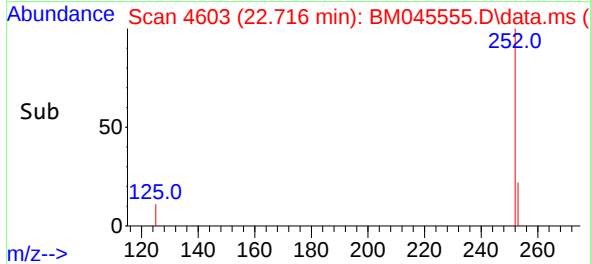
Instrument :
BNA_M
ClientSampleId :
COAL8



Tgt Ion:252 Resp: 206248
Ion Ratio Lower Upper
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253 22.8 0.0 63.4
125 11.7 0.0 36.8

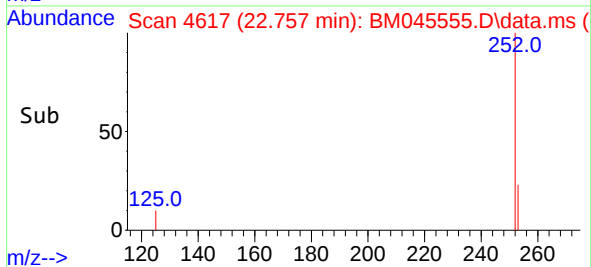
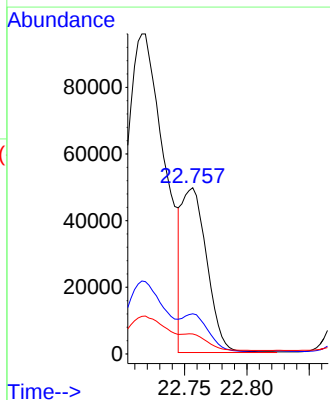
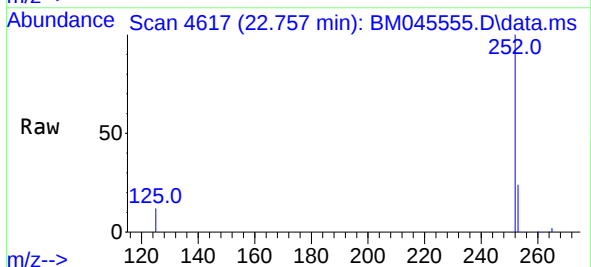
Manual Integrations
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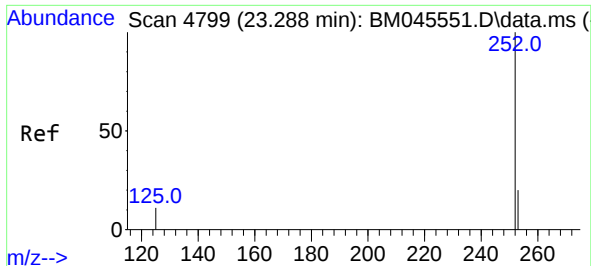
Reviewed By :Yogesh Patel 04/25/2024
Supervised By :mohammad ahmed 04/27/2024



#25
Benzo(k)fluoranthene
Concen: 4.406 ng/ul m
RT: 22.757 min Scan# 4617
Delta R.T. -0.014 min
Lab File: BM045555.D
Acq: 25 Apr 2024 08:57

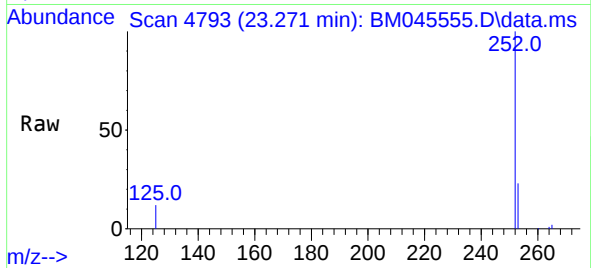
Tgt Ion:252 Resp: 68930
Ion Ratio Lower Upper
252 100
253 24.2 25.4 38.0#
125 12.1 14.8 22.2#





#26
Benzo(a)pyrene
Concen: 9.927 ng/ul
RT: 23.271 min Scan# 4793
Delta R.T. -0.020 min
Lab File: BM045555.D
Acq: 25 Apr 2024 08:57

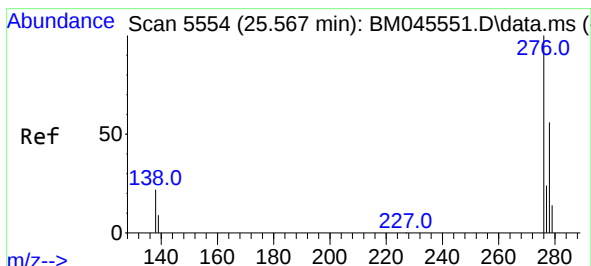
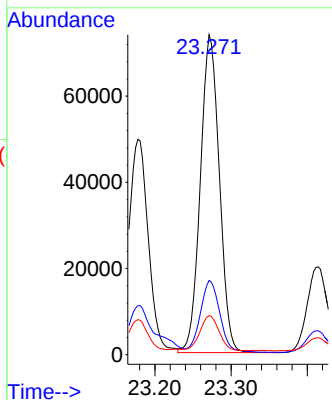
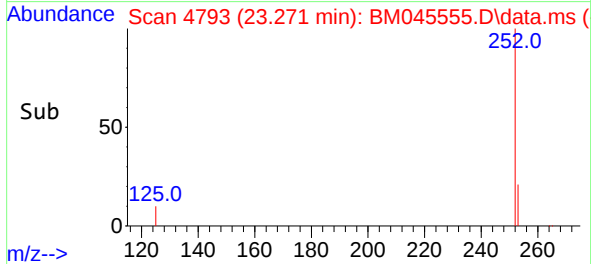
Instrument :
BNA_M
ClientSampleId :
COAL8



Tgt Ion:252 Resp: 127480
Ion Ratio Lower Upper
252 100
253 23.2 31.6 47.4#
125 12.2 19.5 29.3#

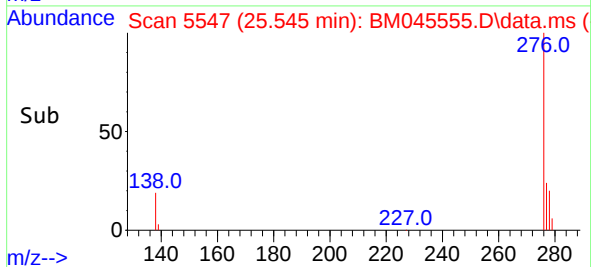
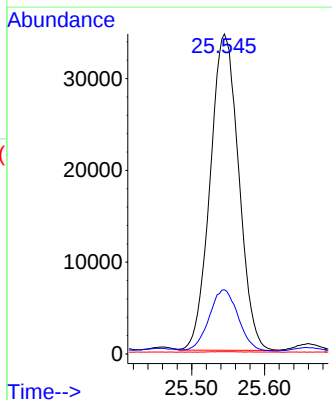
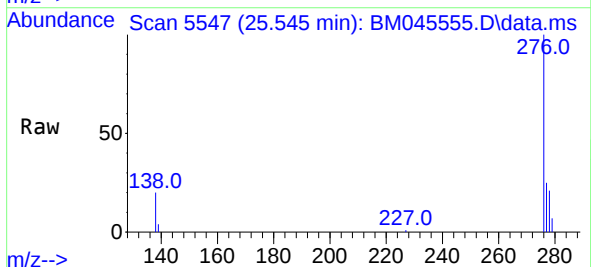
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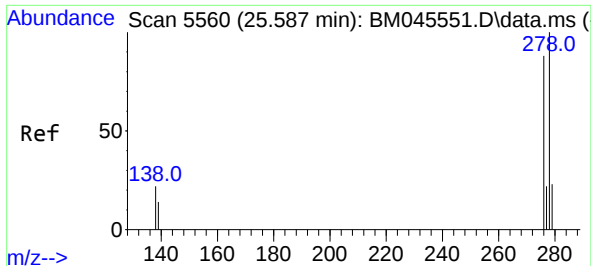
Reviewed By :Yogesh Patel 04/25/2024
Supervised By :mohammad ahmed 04/27/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 5.017 ng/ul
RT: 25.545 min Scan# 5547
Delta R.T. -0.027 min
Lab File: BM045555.D
Acq: 25 Apr 2024 08:57

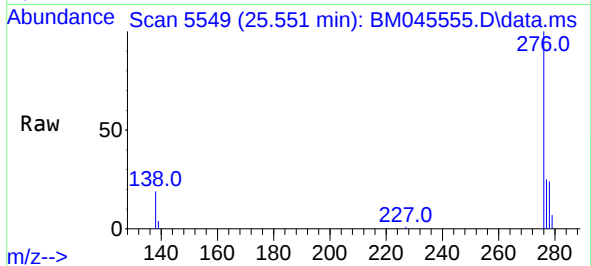
Tgt Ion:276 Resp: 93639
Ion Ratio Lower Upper
276 100
138 19.7 19.8 29.6#
227 0.1 0.2 0.2#





#28
Dibenzo(a,h)anthracene
Concen: 1.847 ng/ul m
RT: 25.551 min Scan# 51
Delta R.T. -0.037 min
Lab File: BM045555.D
Acq: 25 Apr 2024 08:57

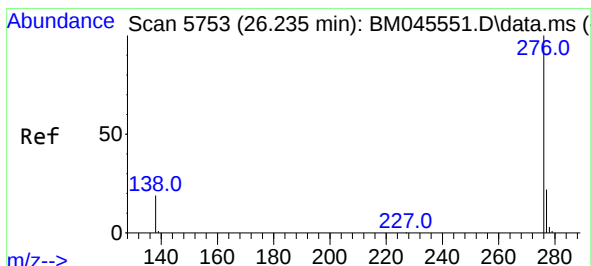
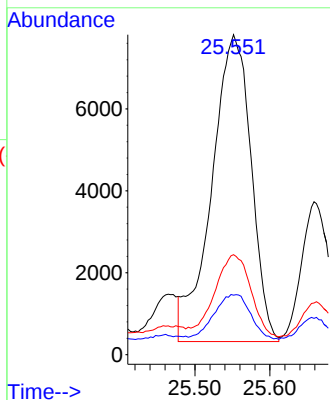
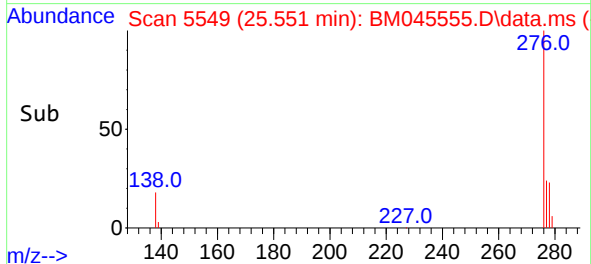
Instrument :
BNA_M
ClientSampleId :
COAL8



Tgt Ion:278 Resp: 2734
Ion Ratio Lower Upper
278 100
139 18.6 19.0 28.6
279 31.3 29.4 44.2

Manual Integrations
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Reviewed By :Yogesh Patel 04/25/2024
Supervised By :mohammad ahmed 04/27/2024



#29
Benzo(g,h,i)perylene
Concen: 4.428 ng/ul
RT: 26.212 min Scan# 5746
Delta R.T. -0.023 min
Lab File: BM045555.D
Acq: 25 Apr 2024 08:57

Tgt Ion:276 Resp: 74260
Ion Ratio Lower Upper
276 100
138 20.7 20.8 31.2#
277 24.4 21.8 32.8

