

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062223\
 Data File : BM040355.D
 Acq On : 22 Jun 2023 19:06
 Operator : MA/JU
 Sample : 03084-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFL9

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023

Quant Time: Jun 23 02:27:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 23 00:44:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.953	152	7731	0.400	ng/ul	0.00
4) Naphthalene-d8	10.762	136	28126	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.591	164	14941	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.337	188	28456	0.400	ng/ul	0.00
17) Chrysene-d12	21.512	240	25636	0.400	ng/ul	0.00
23) Perylene-d12	23.929	264	23921	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.333	96	26400	2.174	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.351	152	6251	0.159	ng/ul	0.00
18) Fluoranthene-d10	19.361	212	12189	0.148	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.811	128	18608	0.240	ng/ul	99
7) 2-Methylnaphthalene	12.422	142	9329	0.205	ng/ul	100
8) 1-Methylnaphthalene	12.642	142	6018	0.132	ng/ul	99
10) Acenaphthylene	14.313	152	31243	0.468	ng/ul	99
11) Acenaphthene	14.651	153	10383	0.184	ng/ul	98
12) Fluorene	15.637	166	10396	0.173	ng/ul#	98
15) Phenanthrene	17.375	178	347282	3.929	ng/ul	98
16) Anthracene	17.467	178	54300	0.731	ng/ul	99
19) Fluoranthene	19.389	202	1083358	9.949	ng/ul	96
20) Pyrene	19.751	202	924399	7.918	ng/ul	99
21) Benzo(a)anthracene	21.494	228	469514	5.415	ng/ul	99
22) Chrysene	21.550	228	574137	5.804	ng/ul	98
24) Benzo(b)fluoranthene	23.193	252	887717	9.589	ng/ul	88
25) Benzo(k)fluoranthene	23.239	252	282722m	3.099	ng/ul	
26) Benzo(a)pyrene	23.821	252	499302	5.988	ng/ul#	83
27) Indeno(1,2,3-cd)pyrene	26.431	276	373881	3.219	ng/ul#	90
28) Dibenzo(a,h)anthracene	26.441	278	87361	0.961	ng/ul	96
29) Benzo(g,h,i)perylene	27.202	276	338301	3.324	ng/ul	96

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

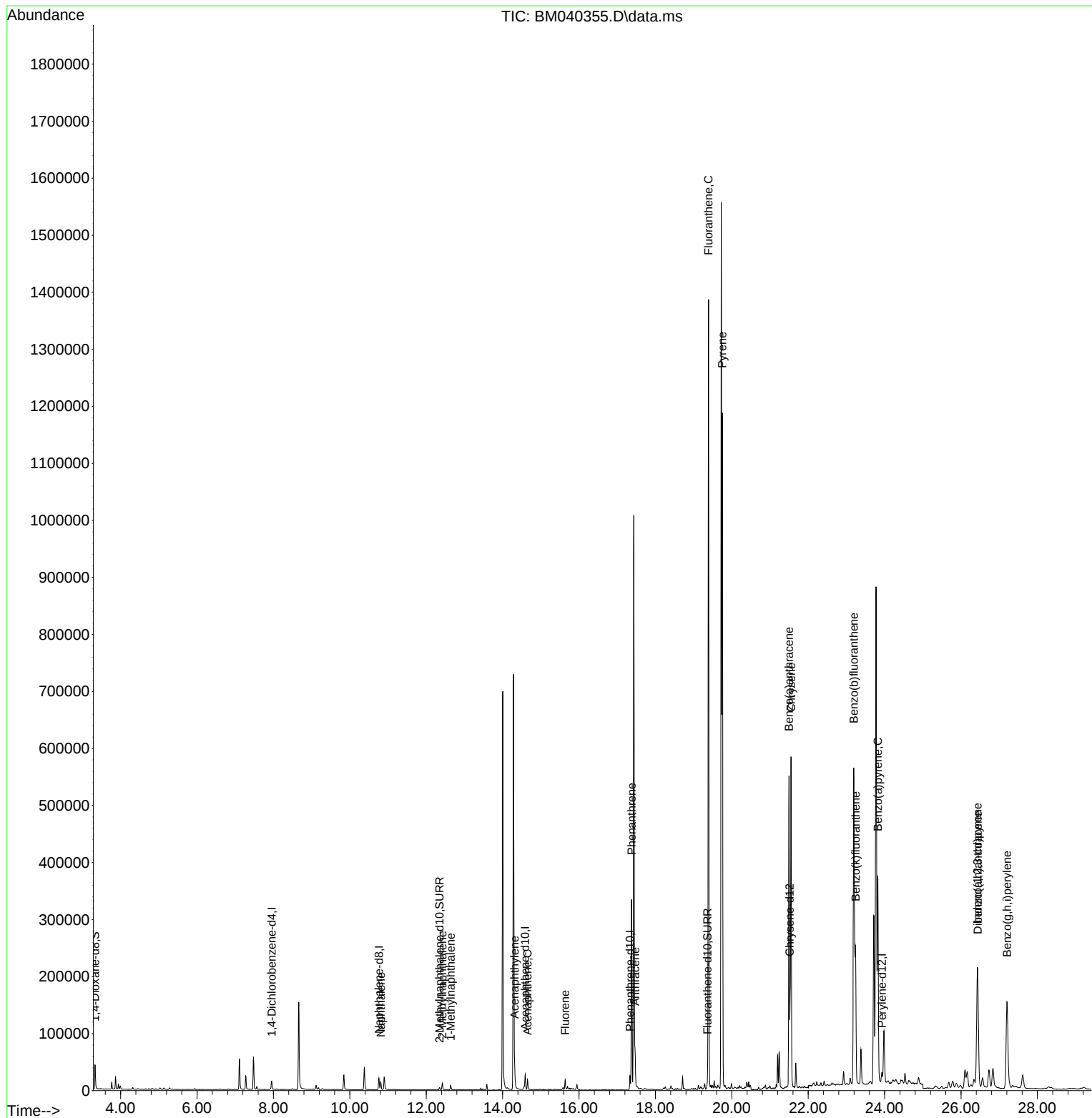
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062223\
Data File : BM040355.D
Acq On : 22 Jun 2023 19:06
Operator : MA/JU
Sample : 03084-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

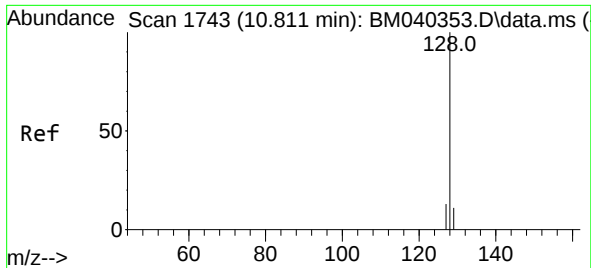
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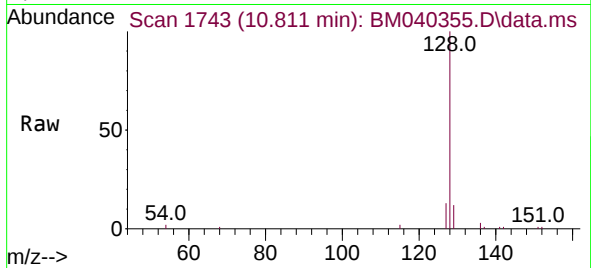
Quant Time: Jun 23 02:27:10 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 23 00:44:24 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.240 ng/ul
RT: 10.811 min Scan# 1743
Delta R.T. 0.000 min
Lab File: BM040355.D
Acq: 22 Jun 2023 19:06

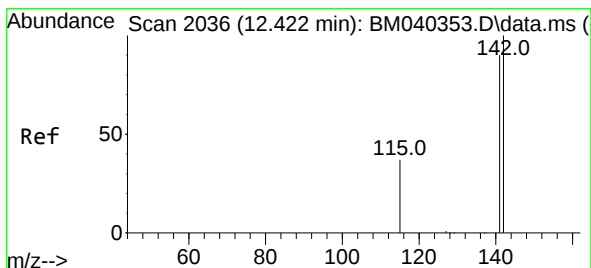
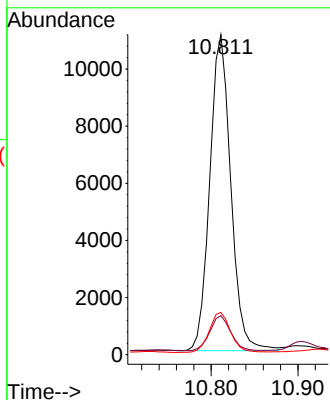
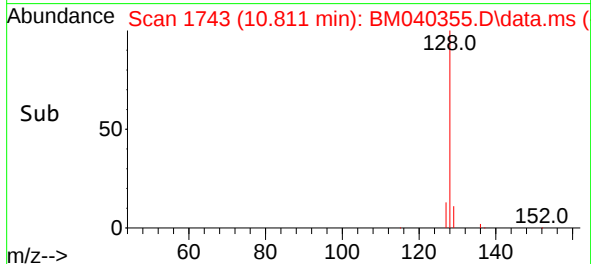
Instrument :
BNA_M
ClientSampleId :
DCFL9



Tgt Ion:128 Resp: 18608
Ion Ratio Lower Upper
128 100
129 12.2 9.2 13.8
127 13.2 10.6 15.8

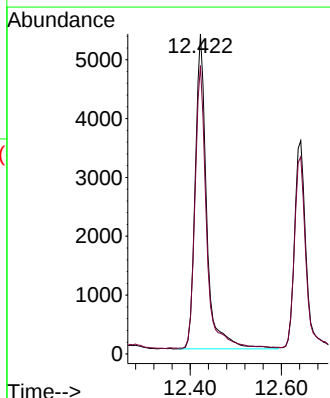
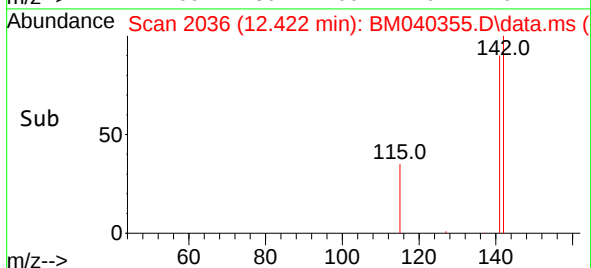
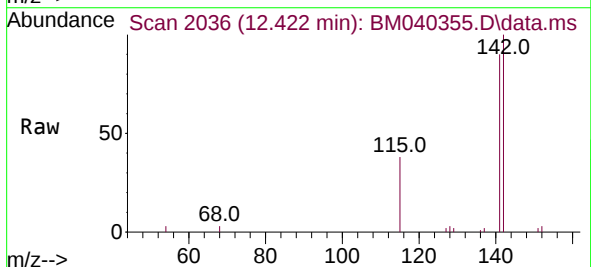
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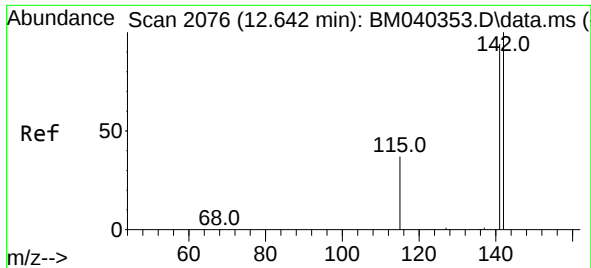
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#7
2-Methylnaphthalene
Concen: 0.205 ng/ul
RT: 12.422 min Scan# 2036
Delta R.T. 0.000 min
Lab File: BM040355.D
Acq: 22 Jun 2023 19:06

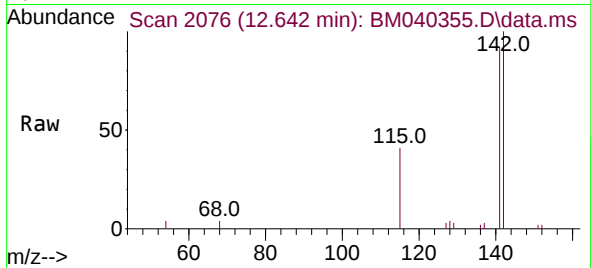
Tgt Ion:142 Resp: 9329
Ion Ratio Lower Upper
142 100
141 89.8 71.9 107.9





#8
1-Methylnaphthalene
Concen: 0.132 ng/ul
RT: 12.642 min Scan# 2076
Delta R.T. 0.000 min
Lab File: BM040355.D
Acq: 22 Jun 2023 19:06

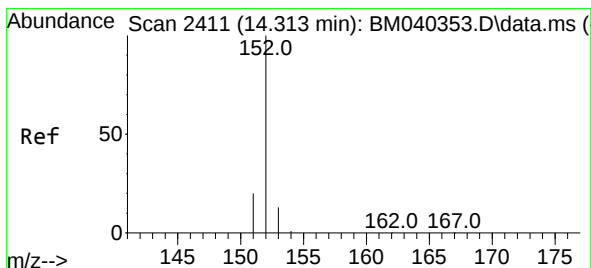
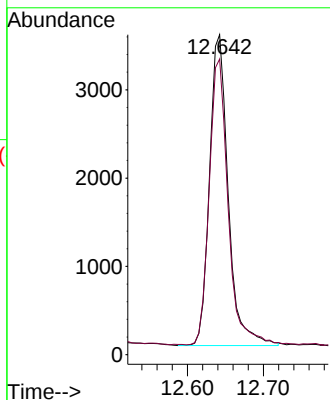
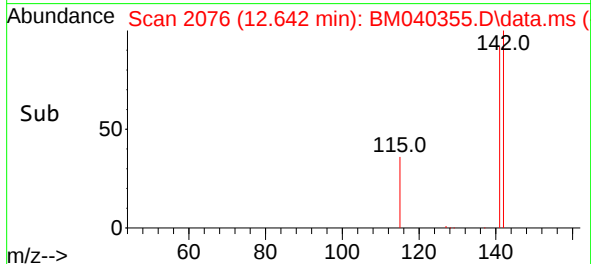
Instrument :
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ClientSampleId :
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Tgt Ion:142 Resp: 6018
Ion Ratio Lower Upper
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141 92.9 73.7 110.5

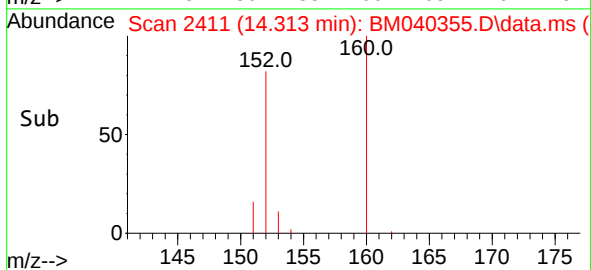
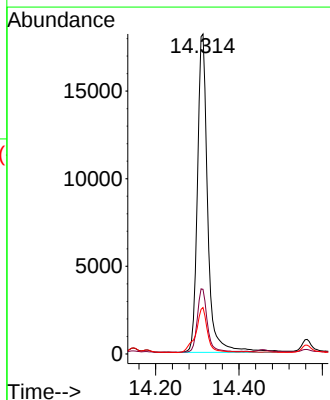
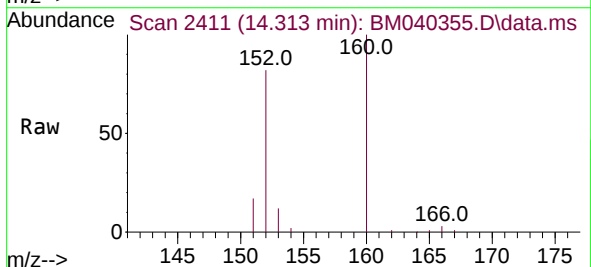
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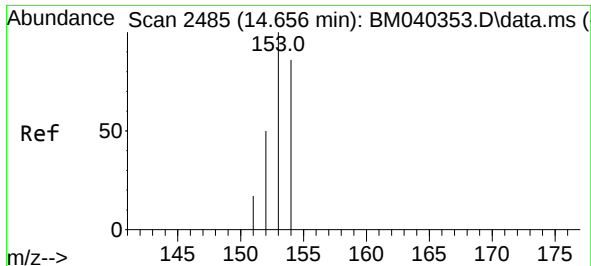
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#10
Acenaphthylene
Concen: 0.468 ng/ul
RT: 14.313 min Scan# 2411
Delta R.T. 0.000 min
Lab File: BM040355.D
Acq: 22 Jun 2023 19:06

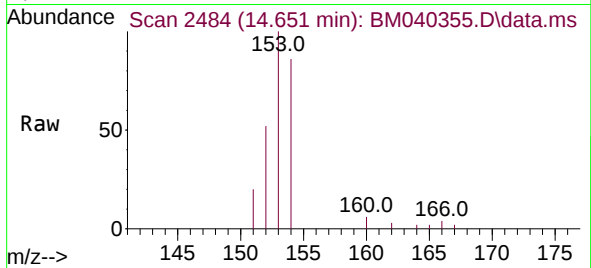
Tgt Ion:152 Resp: 31243
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.2
153 14.5 10.9 16.3





#11
Acenaphthene
Concen: 0.184 ng/ul
RT: 14.651 min Scan# 2484
Delta R.T. -0.005 min
Lab File: BM040355.D
Acq: 22 Jun 2023 19:06

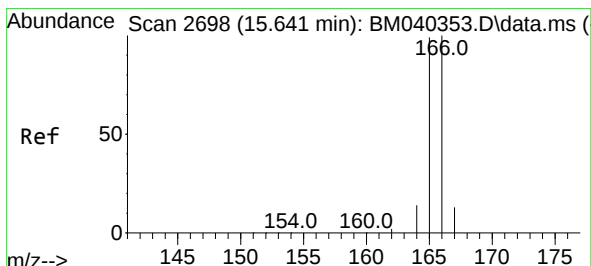
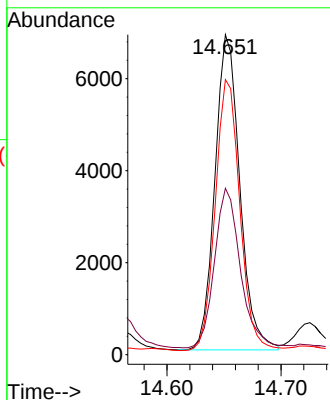
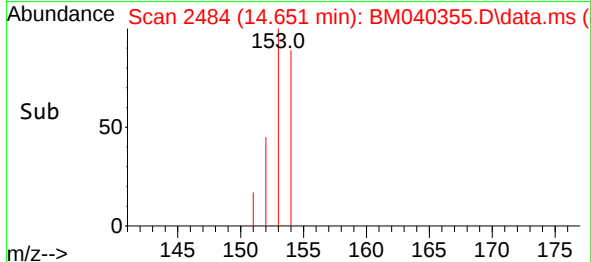
Instrument :
BNA_M
ClientSampleId :
DCFL9



Tgt Ion:153 Resp: 1038
Ion Ratio Lower Upper
153 100
152 52.0 41.0 61.4
154 86.0 70.8 106.2

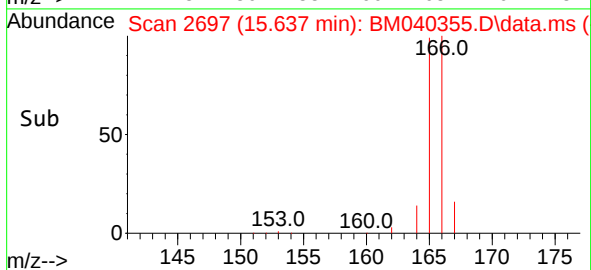
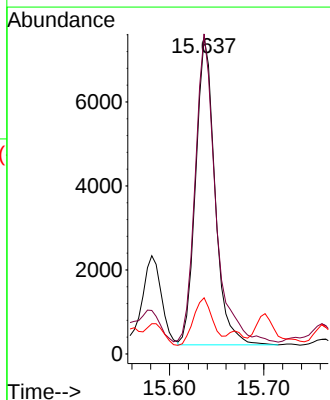
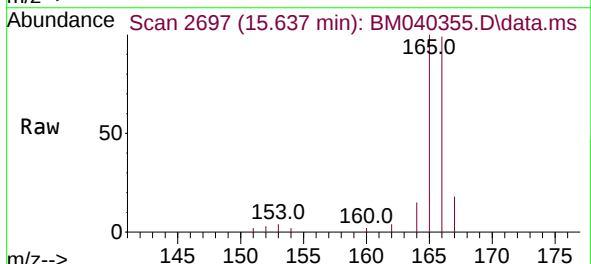
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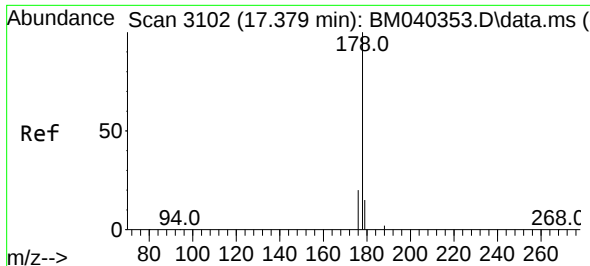
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#12
Fluorene
Concen: 0.173 ng/ul
RT: 15.637 min Scan# 2697
Delta R.T. -0.005 min
Lab File: BM040355.D
Acq: 22 Jun 2023 19:06

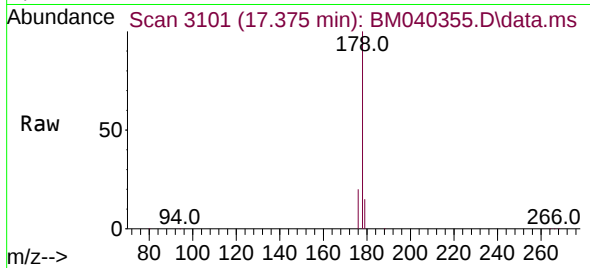
Tgt Ion:166 Resp: 10396
Ion Ratio Lower Upper
166 100
165 101.1 79.6 119.4
167 17.7 11.4 17.0#





#15
Phenanthrene
Concen: 3.929 ng/u1
RT: 17.375 min Scan# 3102
Delta R.T. -0.004 min
Lab File: BM040355.D
Acq: 22 Jun 2023 19:06

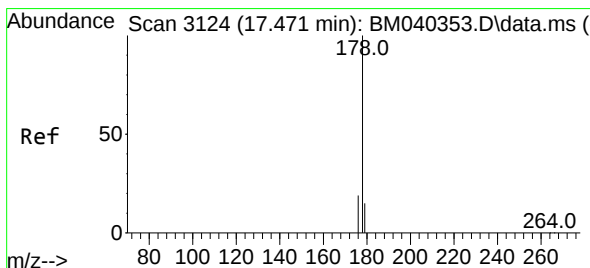
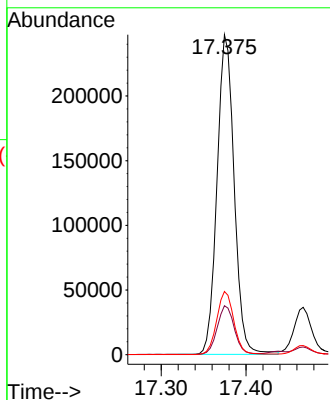
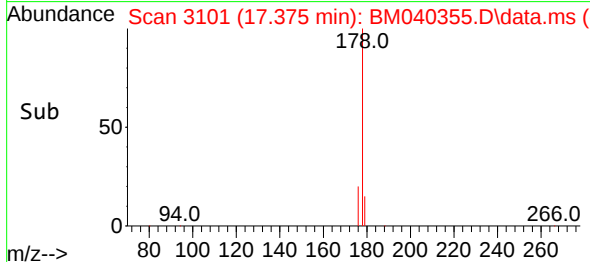
Instrument :
BNA_M
ClientSampleId :
DCFL9



Tgt Ion:178 Resp: 34728
Ion Ratio Lower Upper
178 100
179 15.3 12.8 19.2
176 19.8 16.4 24.6

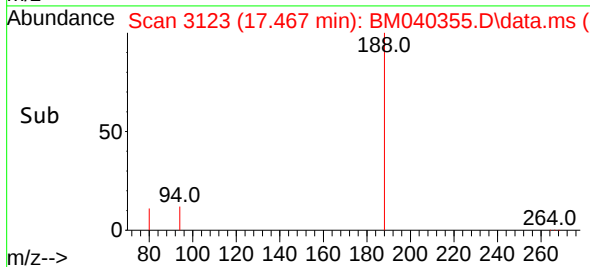
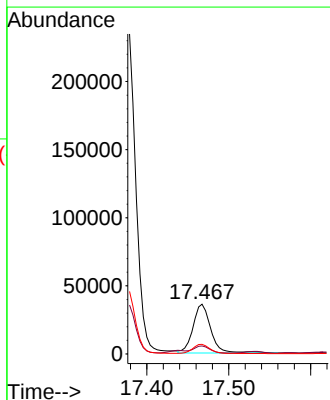
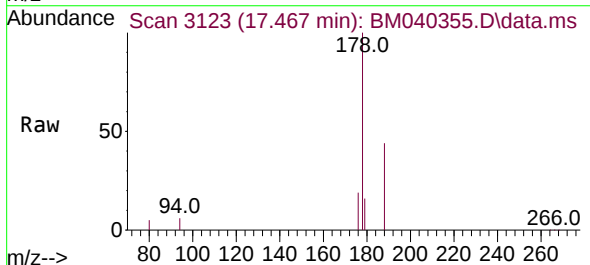
Manual Integrations
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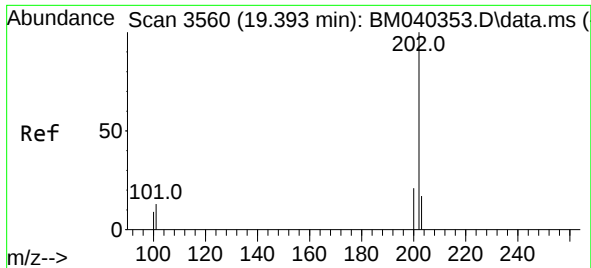
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#16
Anthracene
Concen: 0.731 ng/u1
RT: 17.467 min Scan# 3123
Delta R.T. -0.004 min
Lab File: BM040355.D
Acq: 22 Jun 2023 19:06

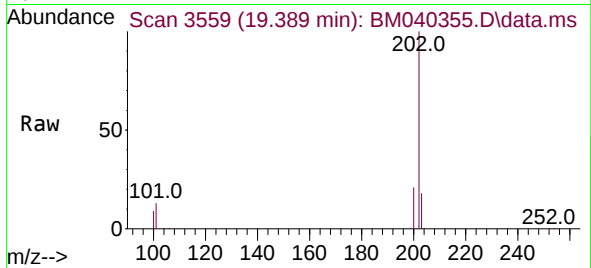
Tgt Ion:178 Resp: 54300
Ion Ratio Lower Upper
178 100
179 16.2 12.9 19.3
176 19.3 15.8 23.6





#19
Fluoranthene
Concen: 9.949 ng/ul
RT: 19.389 min Scan# 3559
Delta R.T. 0.000 min
Lab File: BM040355.D
Acq: 22 Jun 2023 19:06

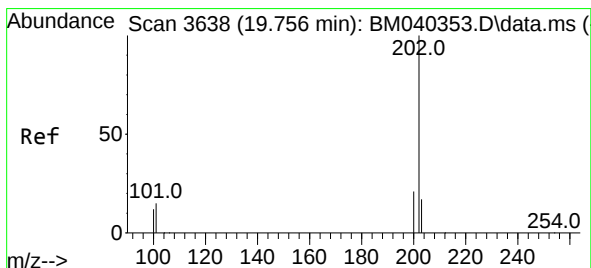
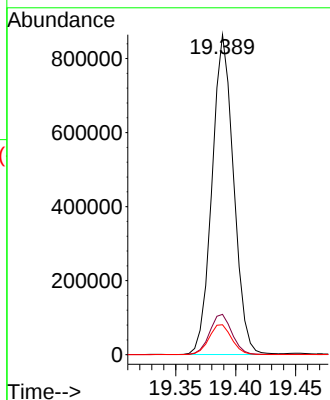
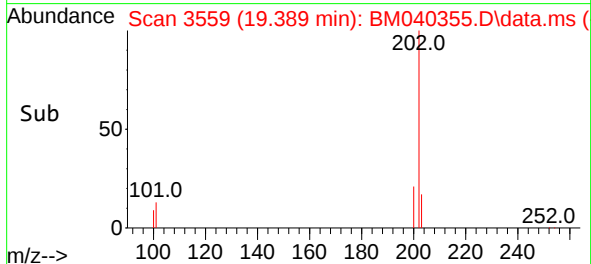
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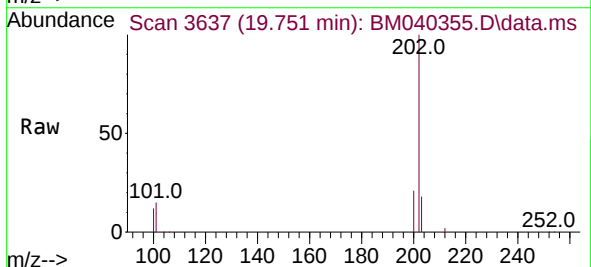
Tgt Ion:202 Resp: 1083358
Ion Ratio Lower Upper
202 100
101 12.6 11.4 17.0
100 9.4 8.7 13.1

Manual Integrations
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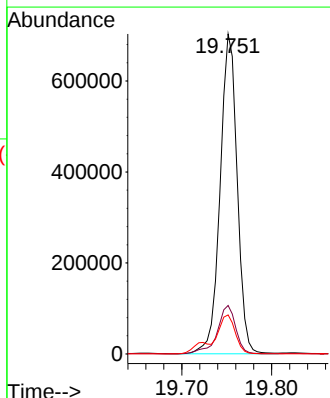
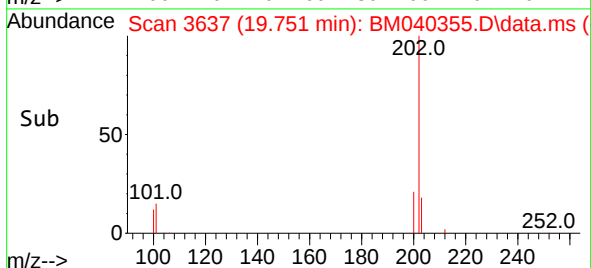
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023

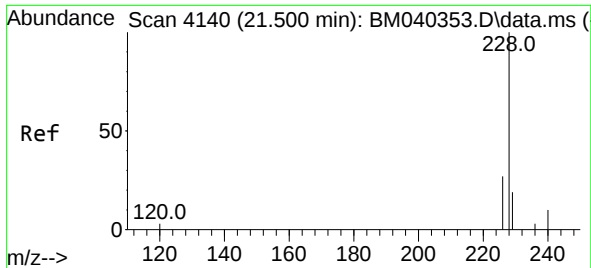


#20
Pyrene
Concen: 7.918 ng/ul
RT: 19.751 min Scan# 3637
Delta R.T. -0.005 min
Lab File: BM040355.D
Acq: 22 Jun 2023 19:06



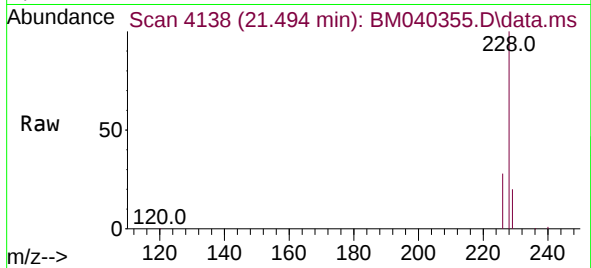
Tgt Ion:202 Resp: 924399
Ion Ratio Lower Upper
202 100
101 15.1 12.6 18.8
100 12.2 9.8 14.6





#21
Benzo(a)anthracene
Concen: 5.415 ng/uI
RT: 21.494 min Scan# 4114
Delta R.T. -0.006 min
Lab File: BM040355.D
Acq: 22 Jun 2023 19:06

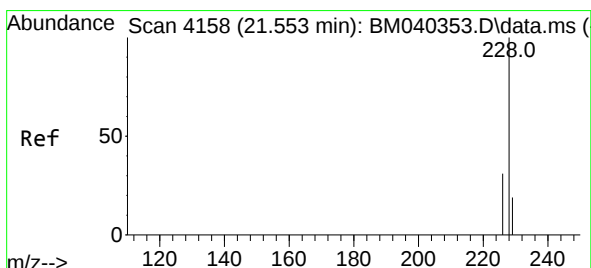
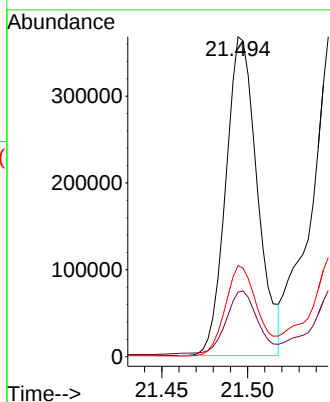
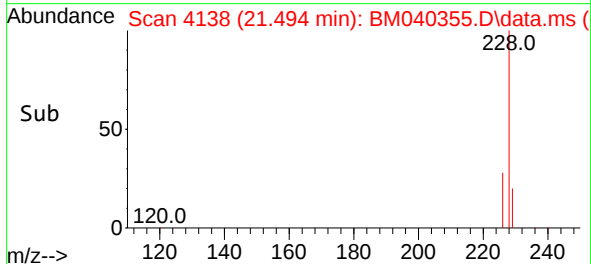
Instrument :
BNA_M
ClientSampleId :
DCFL9



Tgt Ion:228 Resp: 469514
Ion Ratio Lower Upper
228 100
229 20.2 16.0 24.0
226 28.4 22.3 33.5

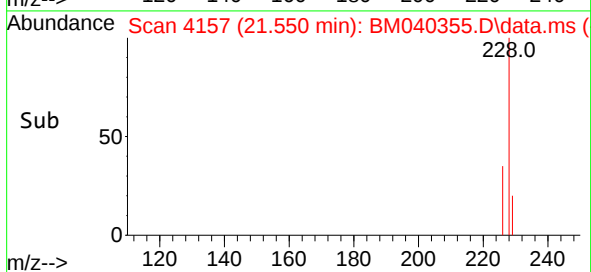
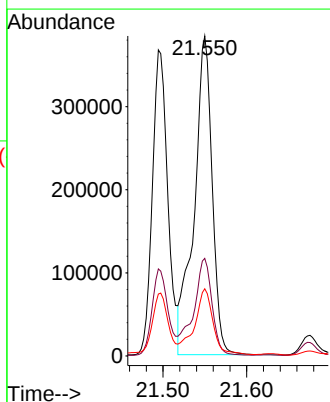
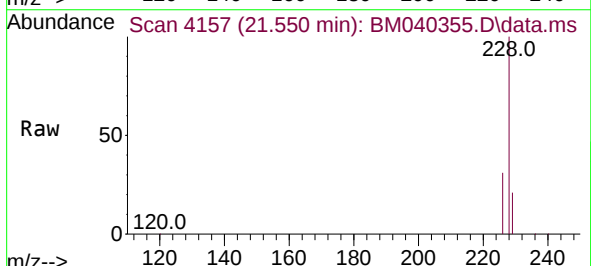
Manual Integrations
APPROVED

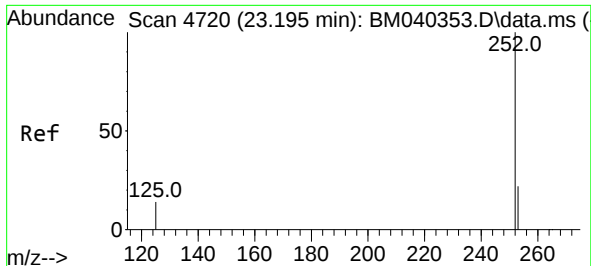
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#22
Chrysene
Concen: 5.804 ng/uI
RT: 21.550 min Scan# 4157
Delta R.T. -0.003 min
Lab File: BM040355.D
Acq: 22 Jun 2023 19:06

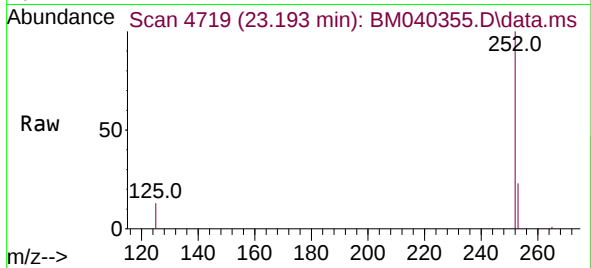
Tgt Ion:228 Resp: 574137
Ion Ratio Lower Upper
228 100
226 30.5 24.9 37.3
229 21.0 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 9.589 ng/ul
RT: 23.193 min Scan# 4719
Delta R.T. 0.000 min
Lab File: BM040355.D
Acq: 22 Jun 2023 19:06

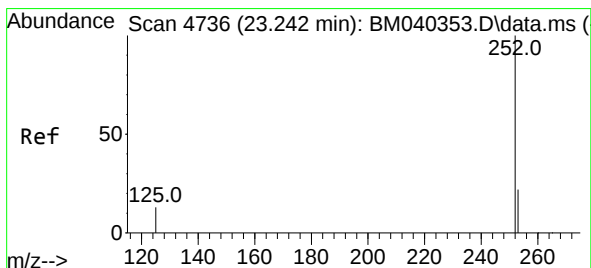
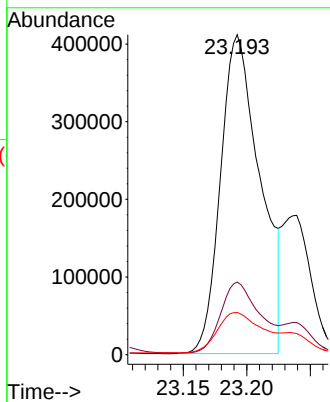
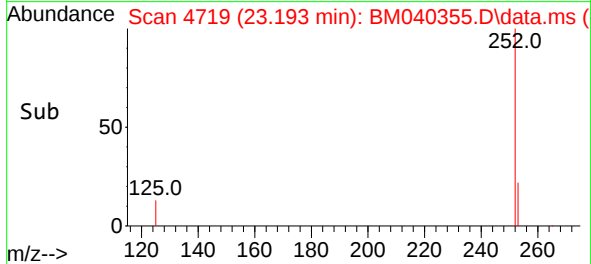
Instrument :
BNA_M
ClientSampleId :
DCFL9



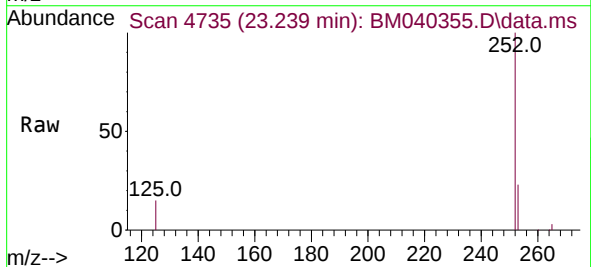
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Ion Ratio Lower Upper
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253 22.7 0.0 52.8
125 13.2 0.0 43.0

Manual Integrations
APPROVED

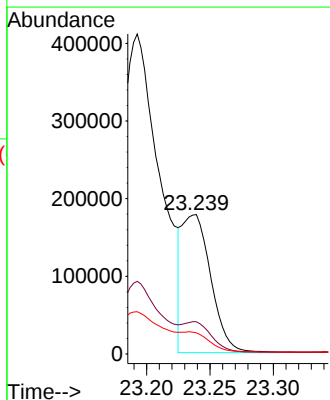
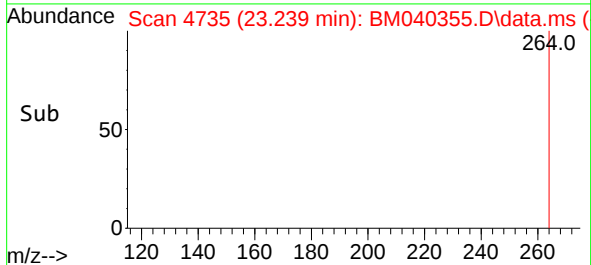
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023

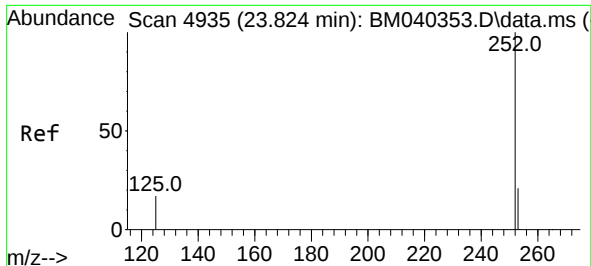


#25
Benzo(k)fluoranthene
Concen: 3.099 ng/ul m
RT: 23.239 min Scan# 4735
Delta R.T. -0.003 min
Lab File: BM040355.D
Acq: 22 Jun 2023 19:06



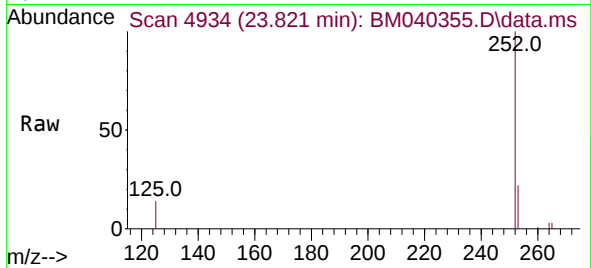
Tgt Ion:252 Resp: 282722
Ion Ratio Lower Upper
252 100
253 23.0 21.2 31.8
125 15.1 16.4 24.6#





#26
Benzo(a)pyrene
Concen: 5.988 ng/ul
RT: 23.821 min Scan# 4935
Delta R.T. -0.003 min
Lab File: BM040355.D
Acq: 22 Jun 2023 19:06

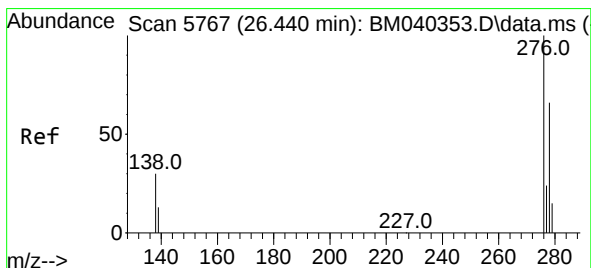
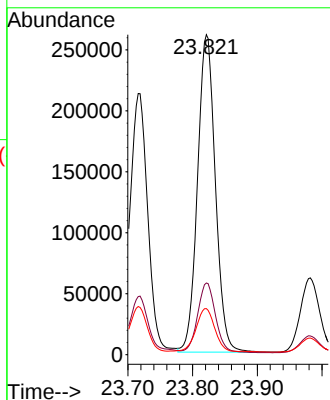
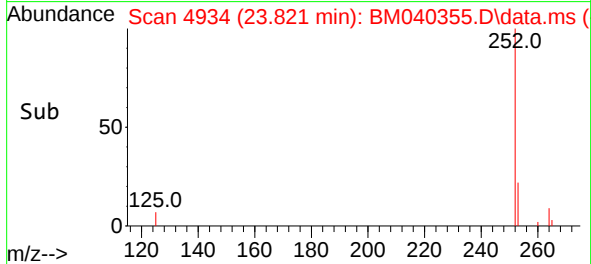
Instrument :
BNA_M
ClientSampleId :
DCFL9



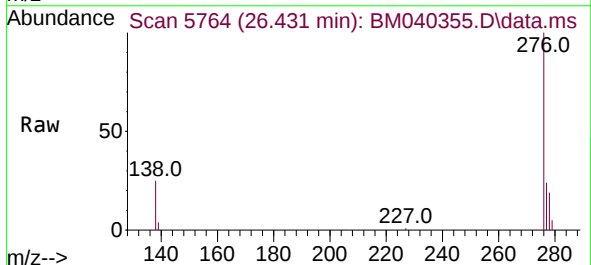
Tgt Ion:252 Resp: 499302
Ion Ratio Lower Upper
252 100
253 22.4 22.9 34.3
125 14.4 21.0 31.4

Manual Integrations
APPROVED

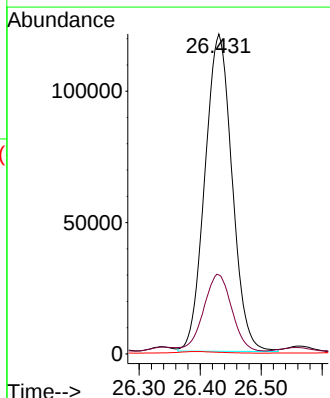
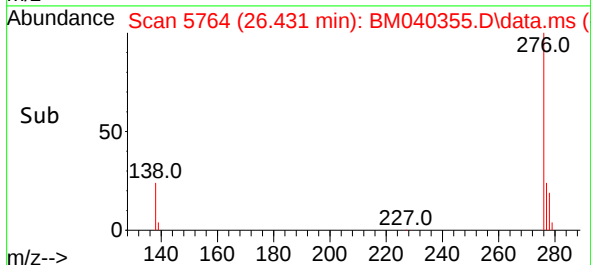
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023

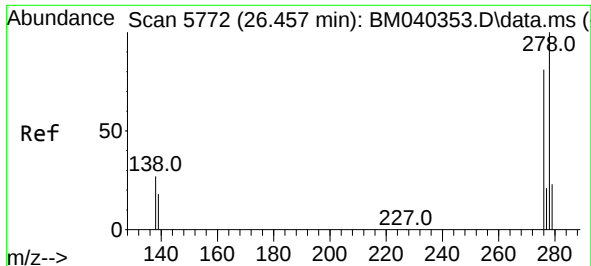


#27
Indeno(1,2,3-cd)pyrene
Concen: 3.219 ng/ul
RT: 26.431 min Scan# 5764
Delta R.T. -0.003 min
Lab File: BM040355.D
Acq: 22 Jun 2023 19:06



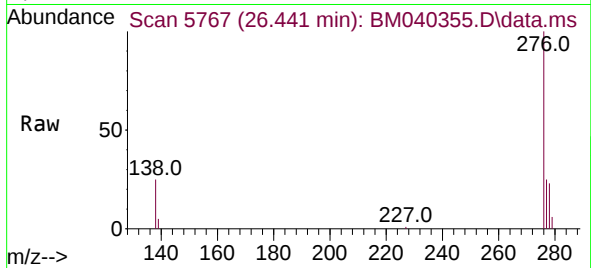
Tgt Ion:276 Resp: 373881
Ion Ratio Lower Upper
276 100
138 24.9 24.5 36.7
227 0.0 0.1 0.1





#28
Dibenzo(a,h)anthracene
Concen: 0.961 ng/ul
RT: 26.441 min Scan# 5767
Delta R.T. -0.013 min
Lab File: BM040355.D
Acq: 22 Jun 2023 19:06

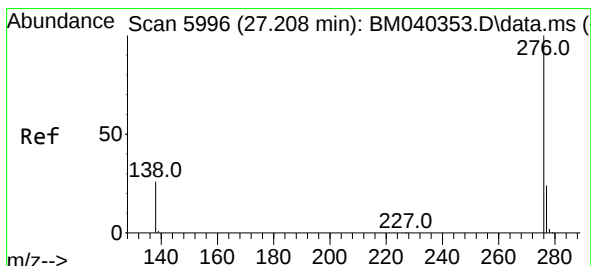
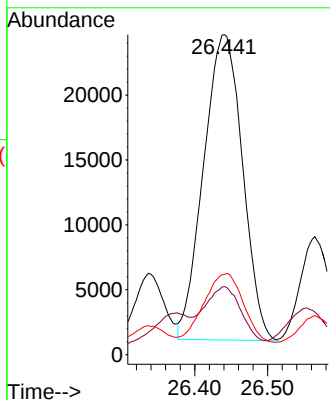
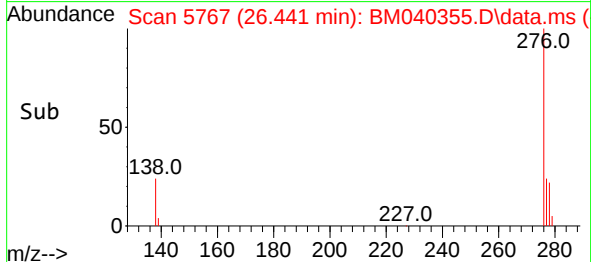
Instrument :
BNA_M
ClientSampleId :
DCFL9



Tgt Ion:278 Resp: 8736
Ion Ratio Lower Upper
278 100
139 21.3 17.9 26.9
279 25.1 22.0 33.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#29
Benzo(g,h,i)perylene
Concen: 3.324 ng/ul
RT: 27.202 min Scan# 5994
Delta R.T. -0.003 min
Lab File: BM040355.D
Acq: 22 Jun 2023 19:06

Tgt Ion:276 Resp: 338301
Ion Ratio Lower Upper
276 100
138 26.0 23.0 34.6
277 23.9 20.3 30.5

