

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062223\
 Data File : BM040363.D
 Acq On : 23 Jun 2023 00:00
 Operator : MA/JU
 Sample : 03084-15
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFN2

Manual Integrations
 APPROVED

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

Quant Time: Jun 23 02:28:32 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	11197	0.400	ng/ul	0.00
4) Naphthalene-d8	10.762	136	39477	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.591	164	18861	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.337	188	31004	0.400	ng/ul	0.00
17) Chrysene-d12	21.515	240	20686	0.400	ng/ul	# 0.00
23) Perylene-d12	23.932	264	23564	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.333	96	83512	4.748	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.345	152	19709	0.356	ng/ul	0.00
18) Fluoranthene-d10	19.361	212	24875	0.375	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.811	128	35004	0.321	ng/ul	99
7) 2-Methylnaphthalene	12.422	142	23007	0.360	ng/ul	99
8) 1-Methylnaphthalene	12.637	142	19658	0.308	ng/ul	100
10) Acenaphthylene	14.314	152	25783	0.306	ng/ul	98
11) Acenaphthene	14.651	153	9234	0.130	ng/ul	97
12) Fluorene	15.637	166	6827	0.090	ng/ul#	94
14) Pentachlorophenol	16.990	266	281	0.047	ng/ul	90
15) Phenanthrene	17.375	178	142001	1.474	ng/ul	99
16) Anthracene	17.467	178	23210	0.287	ng/ul	98
19) Fluoranthene	19.389	202	333184	3.792	ng/ul#	77
20) Pyrene	19.756	202	263727m	2.799	ng/ul	
21) Benzo(a)anthracene	21.497	228	147791	2.112	ng/ul	98
22) Chrysene	21.550	228	169957	2.129	ng/ul	98
24) Benzo(b)fluoranthene	23.195	252	282462	3.097	ng/ul	95
25) Benzo(k)fluoranthene	23.239	252	94311m	1.049	ng/ul	
26) Benzo(a)pyrene	23.824	252	153050	1.863	ng/ul#	89
27) Indeno(1,2,3-cd)pyrene	26.437	276	146944	1.284	ng/ul#	91
28) Dibenzo(a,h)anthracene	26.447	278	35803	0.400	ng/ul#	85
29) Benzo(g,h,i)perylene	27.212	276	144731	1.443	ng/ul	97

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

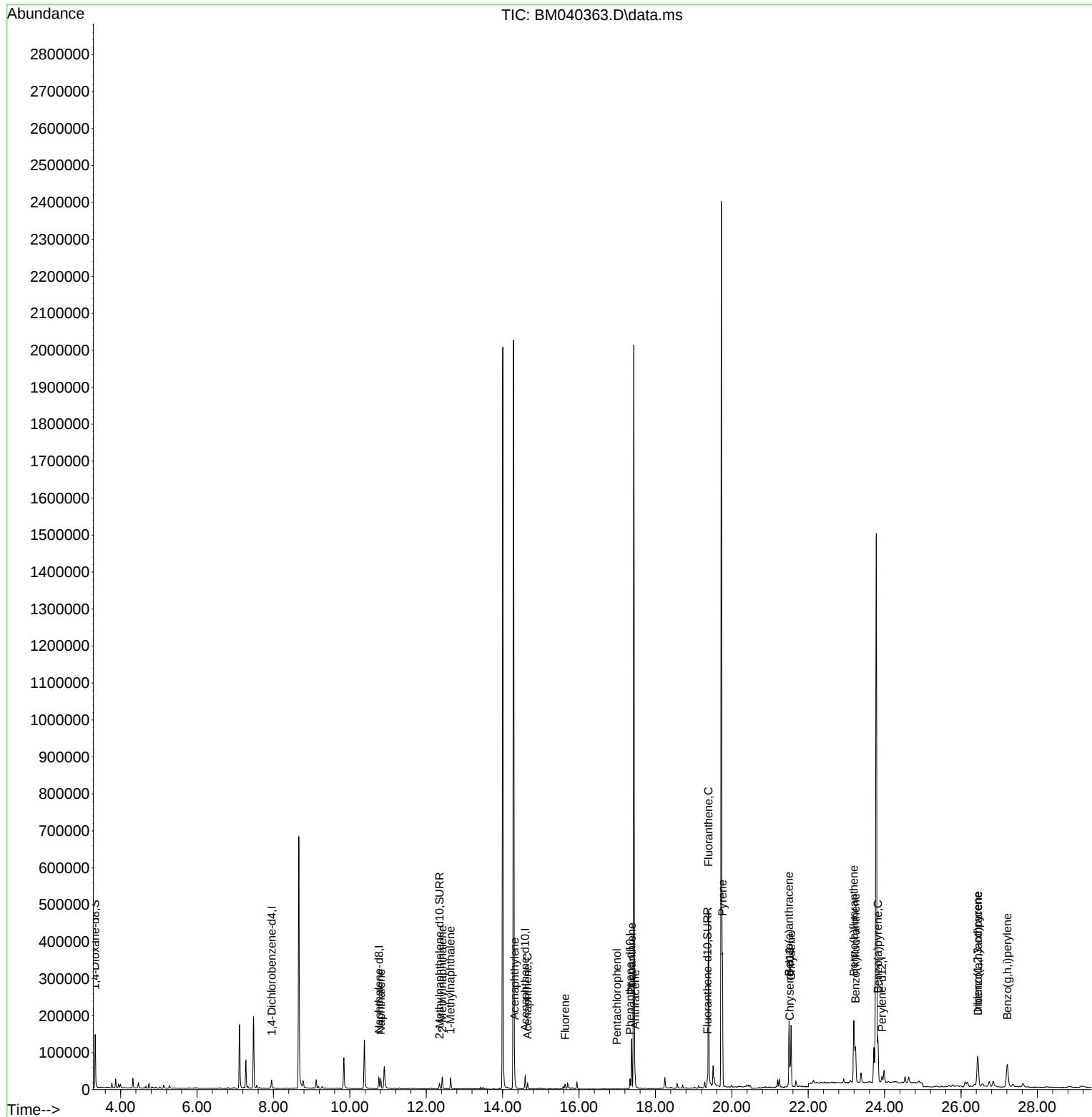
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062223\
Data File : BM040363.D
Acq On : 23 Jun 2023 00:00
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ALS Vial : 12 Sample Multiplier: 1

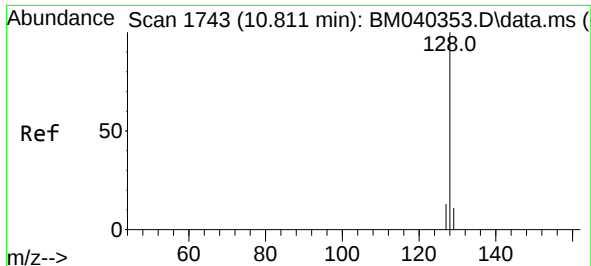
Instrument :
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ClientSampleId :
DCFN2

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Supervised By :mohammad ahmed 06/23/2023

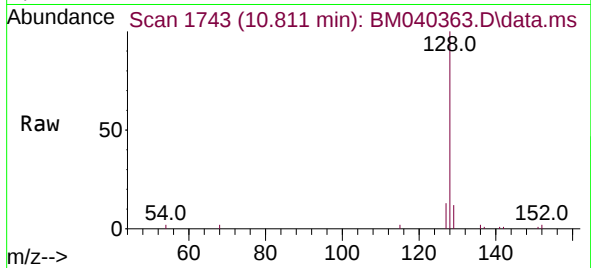
Quant Time: Jun 23 02:28:32 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 23 00:44:24 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.321 ng/ul
RT: 10.811 min Scan# 1743
Delta R.T. 0.000 min
Lab File: BM040363.D
Acq: 23 Jun 2023 00:00

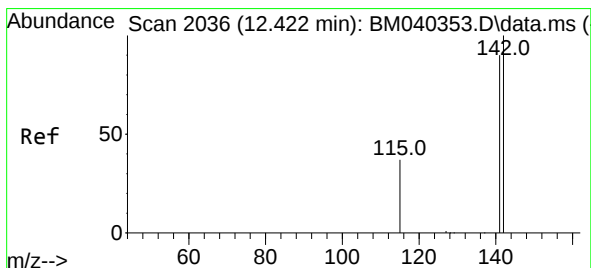
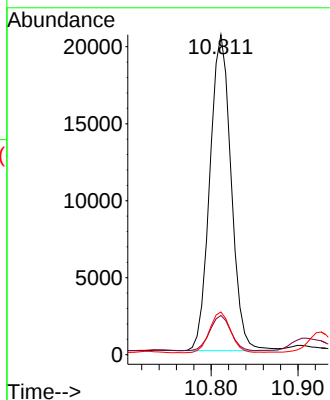
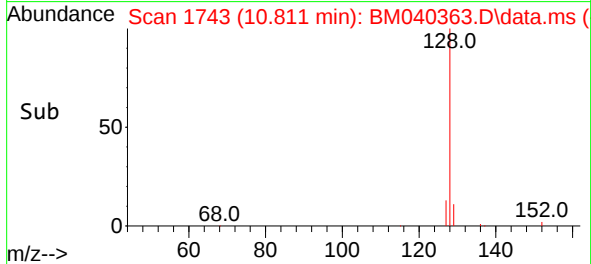
Instrument :
BNA_M
ClientSampleId :
DCFN2



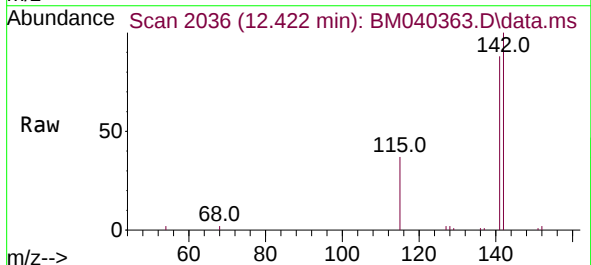
Tgt Ion:128 Resp: 35004
Ion Ratio Lower Upper
128 100
129 12.3 9.2 13.8
127 13.3 10.6 15.8

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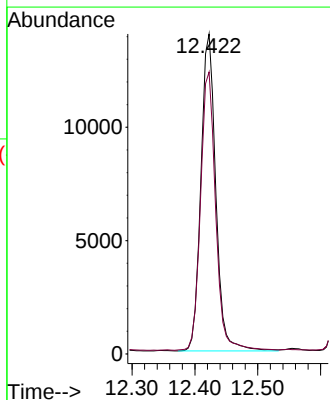
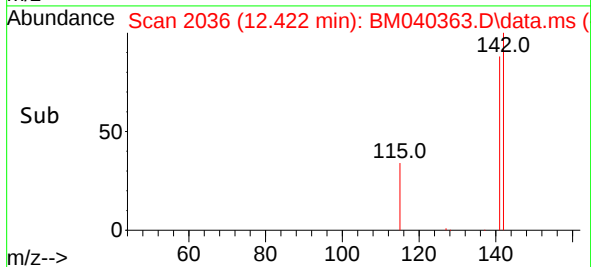
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023

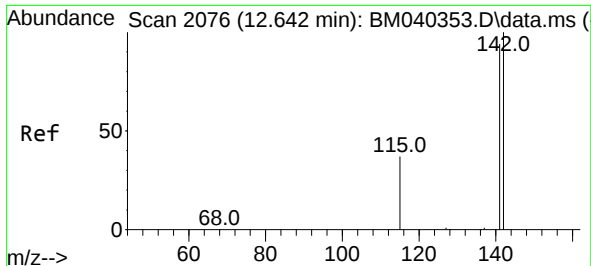


#7
2-Methylnaphthalene
Concen: 0.360 ng/ul
RT: 12.422 min Scan# 2036
Delta R.T. 0.000 min
Lab File: BM040363.D
Acq: 23 Jun 2023 00:00



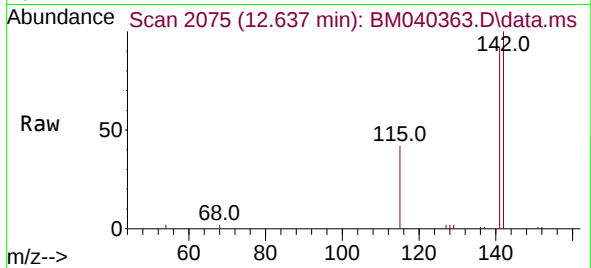
Tgt Ion:142 Resp: 23007
Ion Ratio Lower Upper
142 100
141 88.7 71.9 107.9





#8
1-Methylnaphthalene
Concen: 0.308 ng/ul
RT: 12.637 min Scan# 2075
Delta R.T. -0.005 min
Lab File: BM040363.D
Acq: 23 Jun 2023 00:00

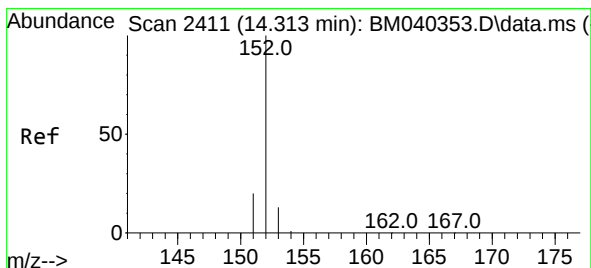
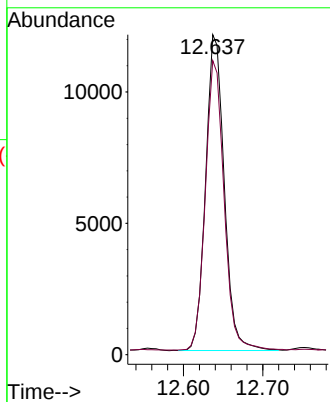
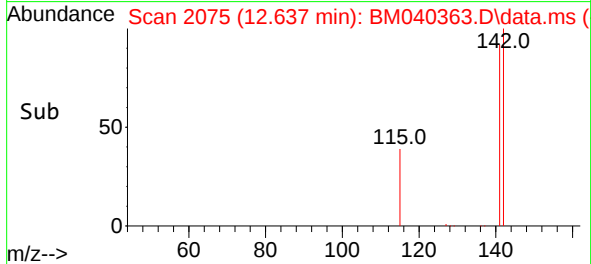
Instrument :
BNA_M
ClientSampleId :
DCFN2



Tgt Ion:142 Resp: 19658
Ion Ratio Lower Upper
142 100
141 92.1 73.7 110.5

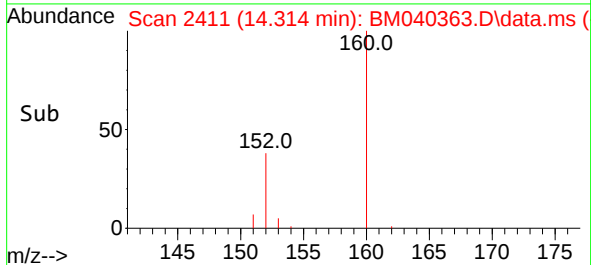
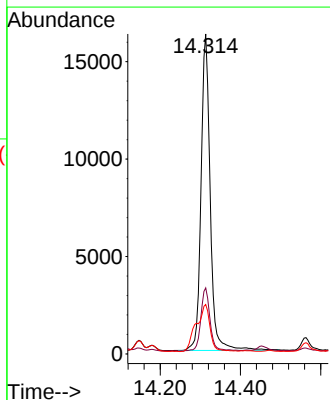
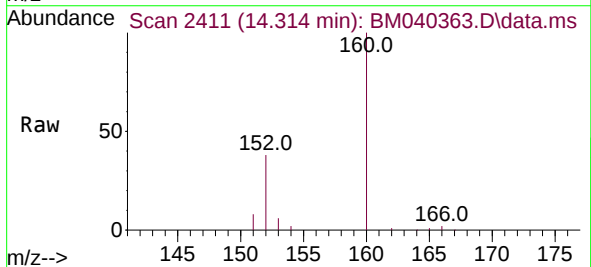
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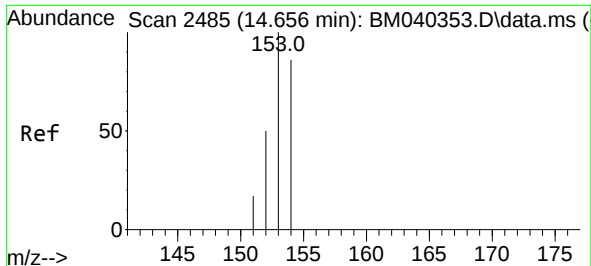
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#10
Acenaphthylene
Concen: 0.306 ng/ul
RT: 14.314 min Scan# 2411
Delta R.T. 0.000 min
Lab File: BM040363.D
Acq: 23 Jun 2023 00:00

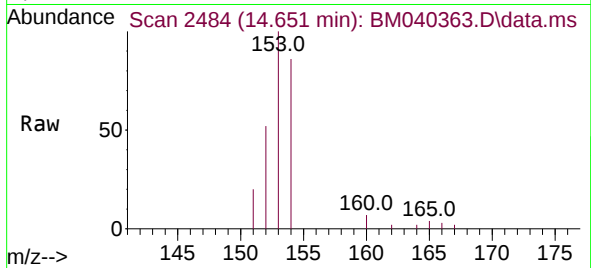
Tgt Ion:152 Resp: 25783
Ion Ratio Lower Upper
152 100
151 20.6 16.2 24.2
153 15.5 10.9 16.3





#11
Acenaphthene
Concen: 0.130 ng/ul
RT: 14.651 min Scan# 2484
Delta R.T. -0.005 min
Lab File: BM040363.D
Acq: 23 Jun 2023 00:00

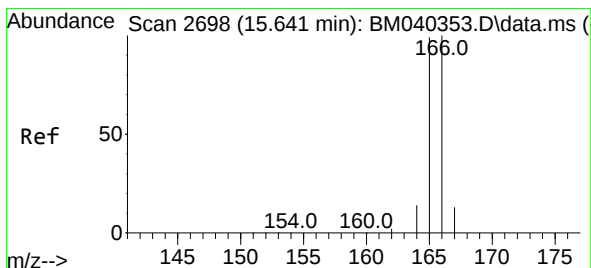
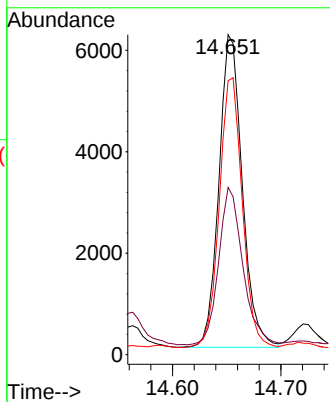
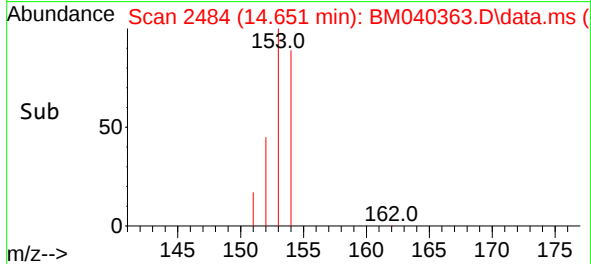
Instrument :
BNA_M
ClientSampleId :
DCFN2



Tgt Ion:153 Resp: 9234
Ion Ratio Lower Upper
153 100
152 52.3 41.0 61.4
154 85.6 70.8 106.2

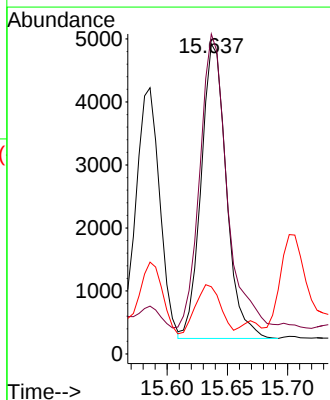
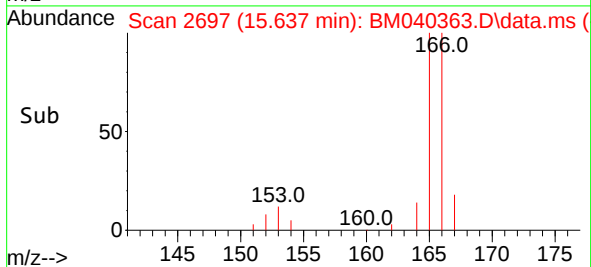
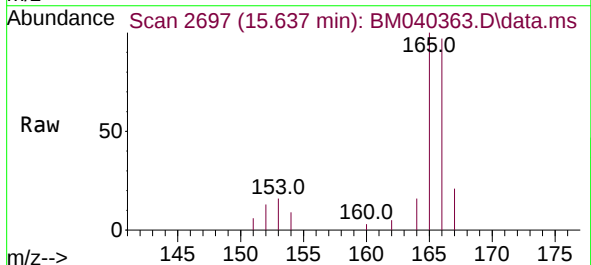
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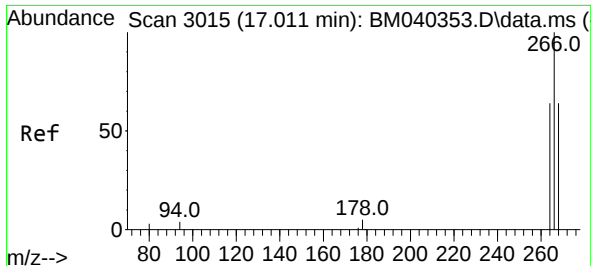
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#12
Fluorene
Concen: 0.090 ng/ul
RT: 15.637 min Scan# 2697
Delta R.T. -0.005 min
Lab File: BM040363.D
Acq: 23 Jun 2023 00:00

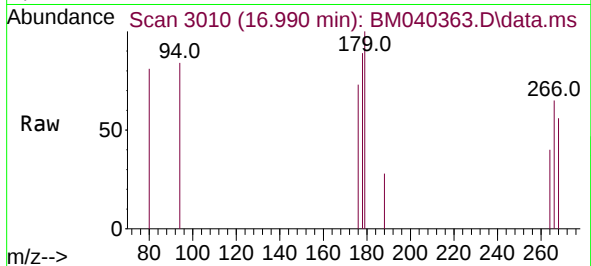
Tgt Ion:166 Resp: 6827
Ion Ratio Lower Upper
166 100
165 103.2 79.6 119.4
167 21.7 11.4 17.0#





#14
Pentachlorophenol
Concen: 0.047 ng/ul
RT: 16.990 min Scan# 3010
Delta R.T. -0.021 min
Lab File: BM040363.D
Acq: 23 Jun 2023 00:00

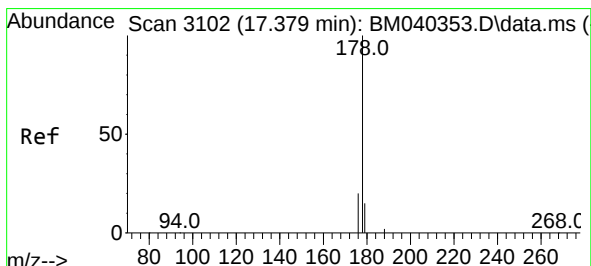
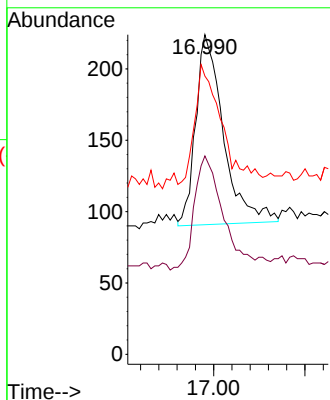
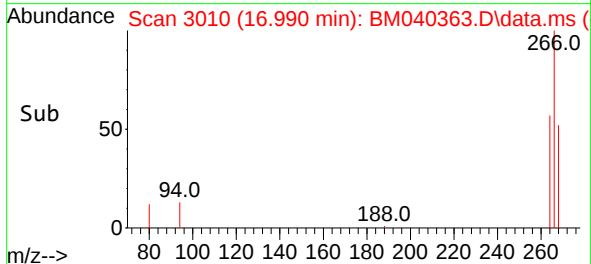
Instrument :
BNA_M
ClientSampleId :
DCFN2



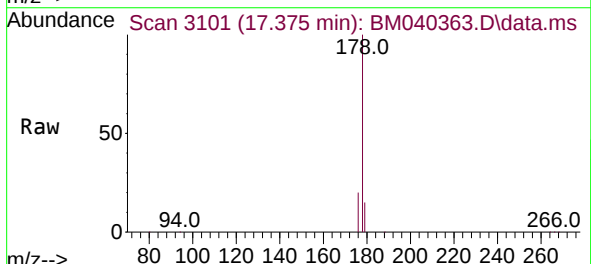
Tgt Ion:266 Resp: 281
Ion Ratio Lower Upper
266 100
264 64.8 45.4 68.0
268 65.8 47.2 70.8

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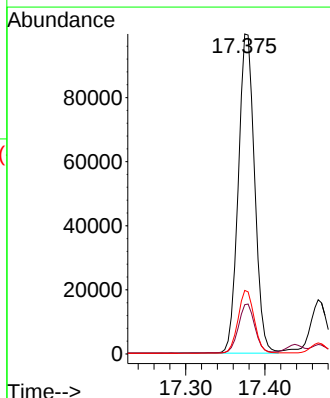
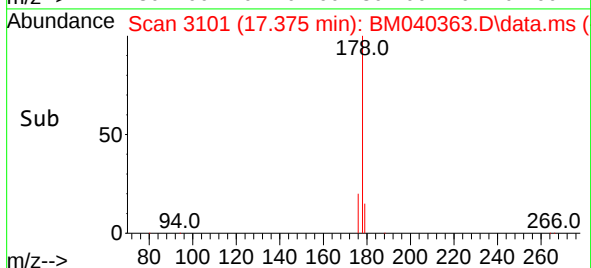
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023

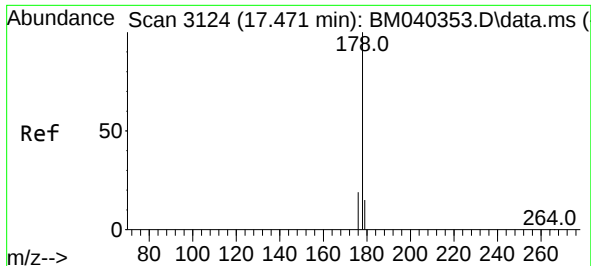


#15
Phenanthrene
Concen: 1.474 ng/ul
RT: 17.375 min Scan# 3101
Delta R.T. -0.004 min
Lab File: BM040363.D
Acq: 23 Jun 2023 00:00



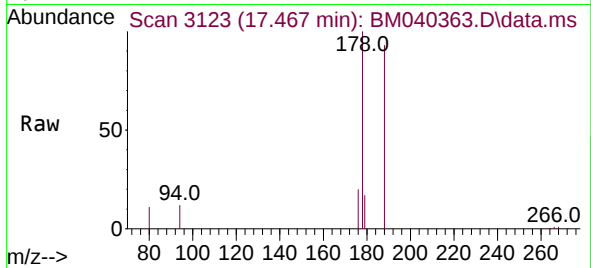
Tgt Ion:178 Resp: 142001
Ion Ratio Lower Upper
178 100
179 15.4 12.8 19.2
176 19.9 16.4 24.6





#16
 Anthracene
 Concen: 0.287 ng/ul
 RT: 17.467 min Scan# 3124
 Delta R.T. -0.004 min
 Lab File: BM040363.D
 Acq: 23 Jun 2023 00:00

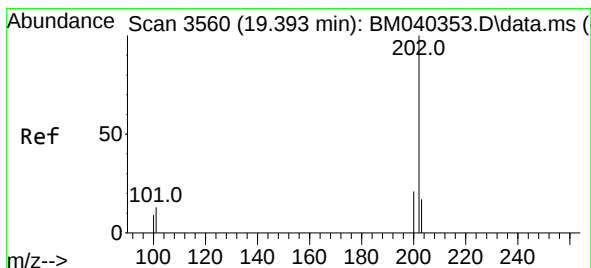
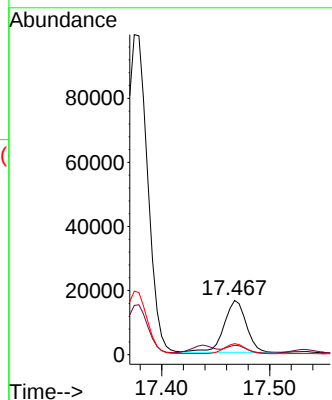
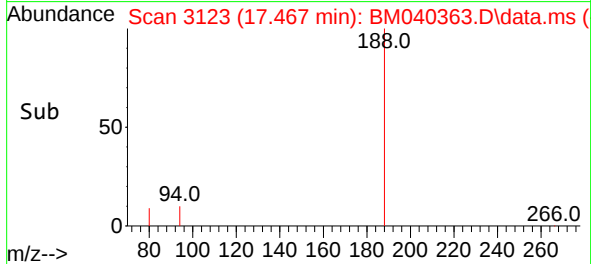
Instrument :
 BNA_M
 ClientSampleId :
 DCFN2



Tgt Ion:178 Resp: 23210
 Ion Ratio Lower Upper
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 179 17.4 12.9 19.3
 176 20.3 15.8 23.6

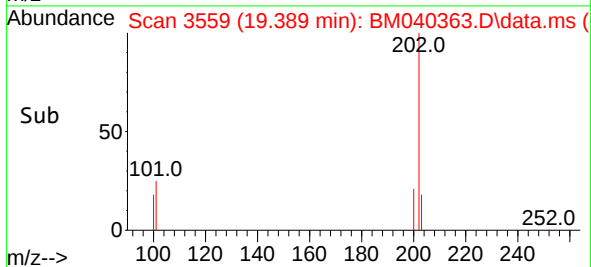
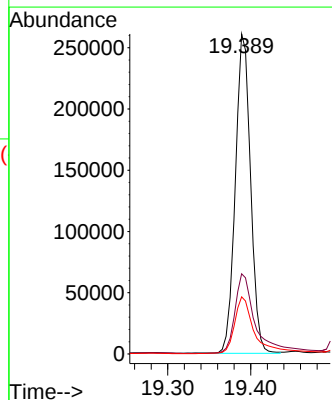
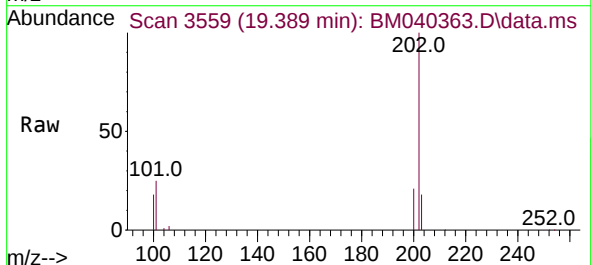
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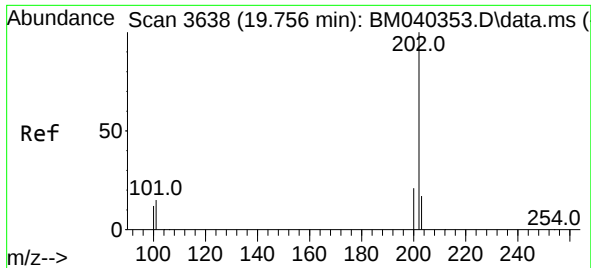
Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023



#19
 Fluoranthene
 Concen: 3.792 ng/ul
 RT: 19.389 min Scan# 3559
 Delta R.T. 0.000 min
 Lab File: BM040363.D
 Acq: 23 Jun 2023 00:00

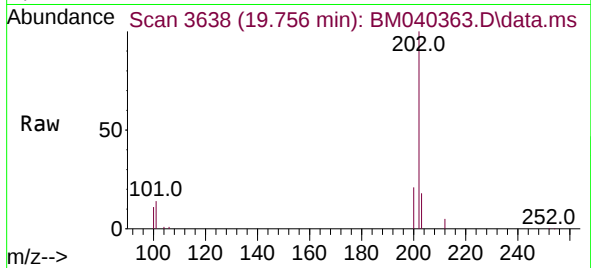
Tgt Ion:202 Resp: 333184
 Ion Ratio Lower Upper
 202 100
 101 25.1 11.4 17.0#
 100 17.9 8.7 13.1#





#20
Pyrene
Concen: 2.799 ng/ul m
RT: 19.756 min Scan# 3638
Delta R.T. 0.000 min
Lab File: BM040363.D
Acq: 23 Jun 2023 00:00

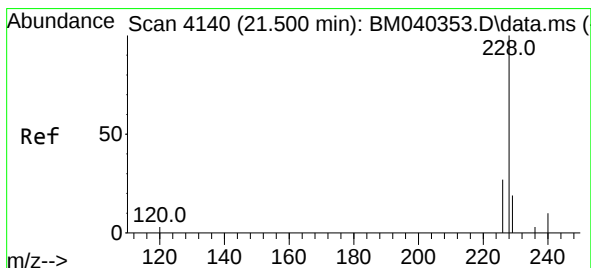
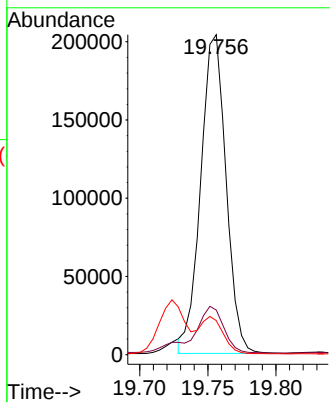
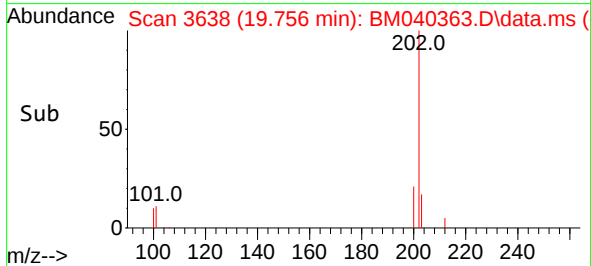
Instrument :
BNA_M
ClientSampleId :
DCFN2



Tgt Ion:202 Resp: 26372
Ion Ratio Lower Upper
202 100
101 13.9 12.6 18.8
100 10.6 9.8 14.6

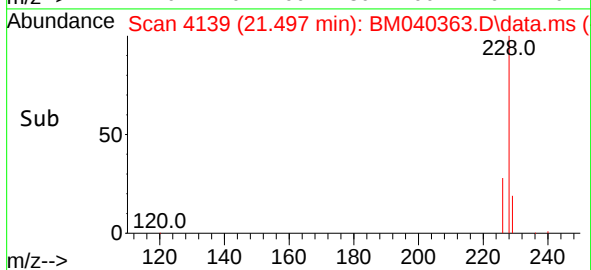
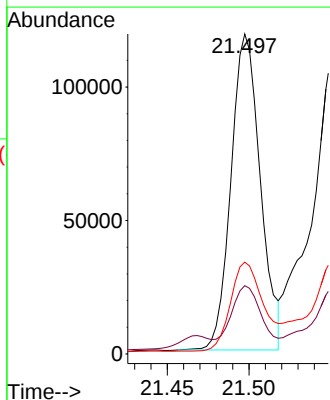
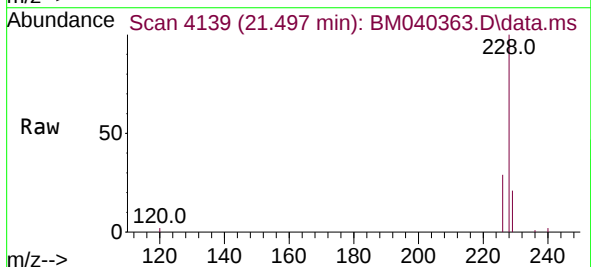
Manual Integrations
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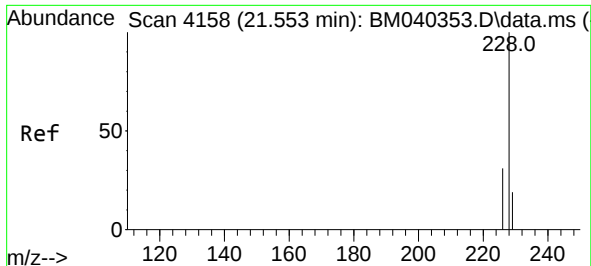
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#21
Benzo(a)anthracene
Concen: 2.112 ng/ul
RT: 21.497 min Scan# 4139
Delta R.T. -0.003 min
Lab File: BM040363.D
Acq: 23 Jun 2023 00:00

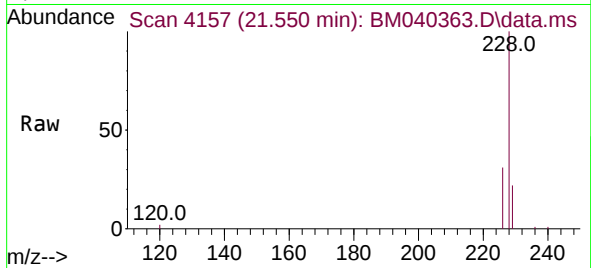
Tgt Ion:228 Resp: 147791
Ion Ratio Lower Upper
228 100
229 21.4 16.0 24.0
226 28.7 22.3 33.5





#22
Chrysene
Concen: 2.129 ng/ul
RT: 21.550 min Scan# 4158
Delta R.T. -0.003 min
Lab File: BM040363.D
Acq: 23 Jun 2023 00:00

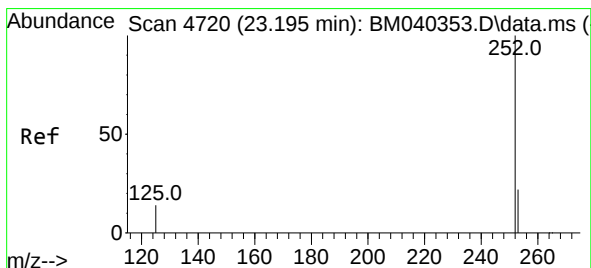
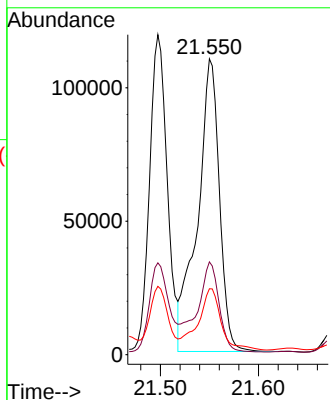
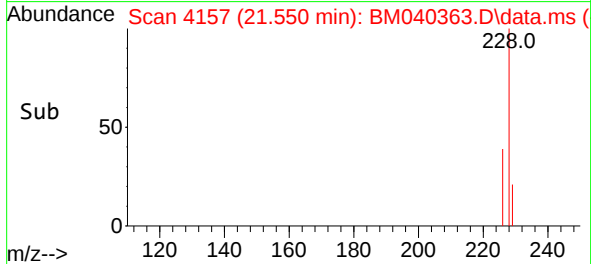
Instrument :
BNA_M
ClientSampleId :
DCFN2



Tgt Ion:228 Resp: 16995
Ion Ratio Lower Upper
228 100
226 31.4 24.9 37.3
229 22.3 15.8 23.6

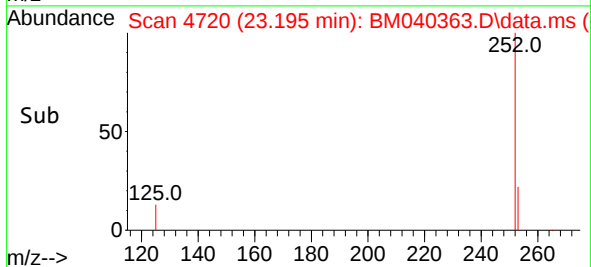
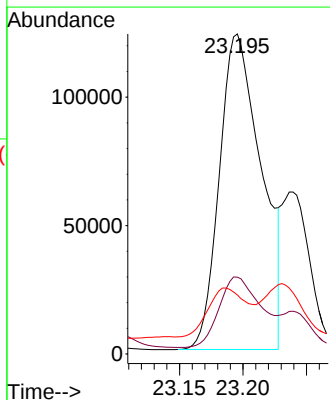
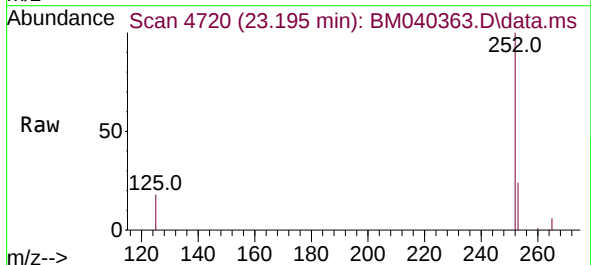
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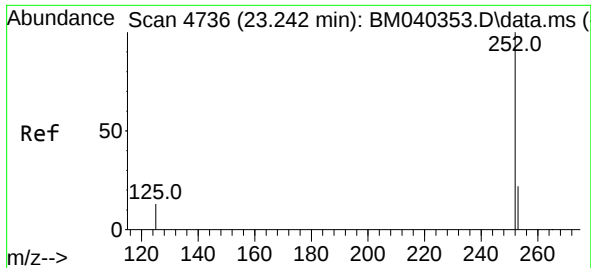
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#24
Benzo(b)fluoranthene
Concen: 3.097 ng/ul
RT: 23.195 min Scan# 4720
Delta R.T. 0.003 min
Lab File: BM040363.D
Acq: 23 Jun 2023 00:00

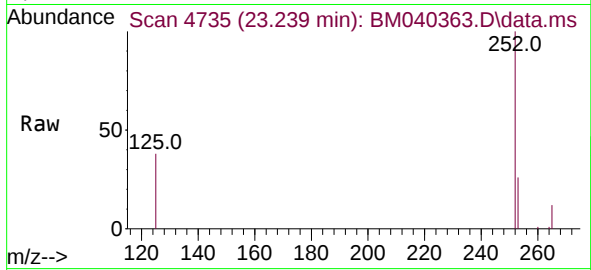
Tgt Ion:252 Resp: 282462
Ion Ratio Lower Upper
252 100
253 24.0 0.0 52.8
125 18.5 0.0 43.0





#25
Benzo(k)fluoranthene
Concen: 1.049 ng/ul m
RT: 23.239 min Scan# 4735
Delta R.T. -0.003 min
Lab File: BM040363.D
Acq: 23 Jun 2023 00:00

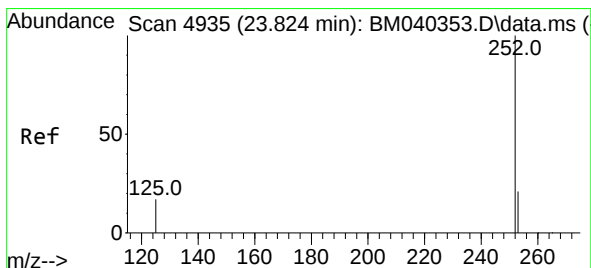
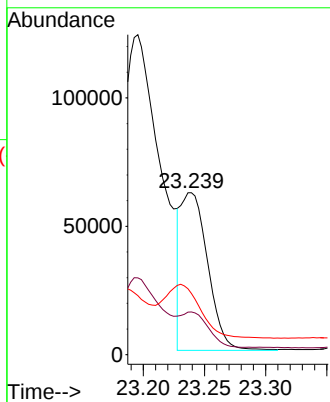
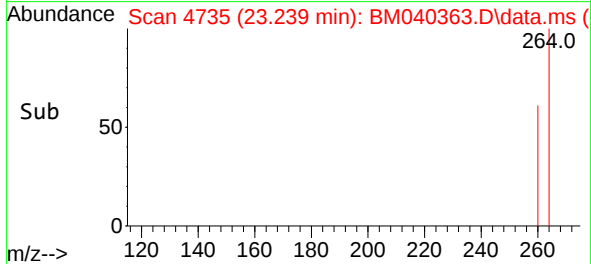
Instrument :
BNA_M
ClientSampleId :
DCFN2



Tgt Ion:252 Resp: 9431
Ion Ratio Lower Upper
252 100
253 26.4 21.2 31.8
125 37.7 16.4 24.6

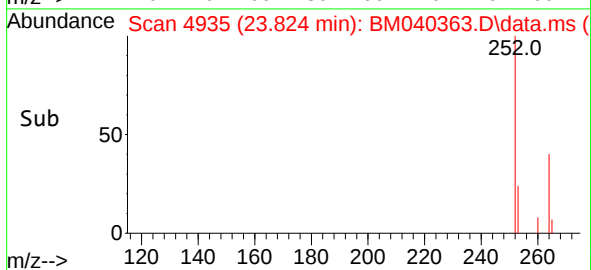
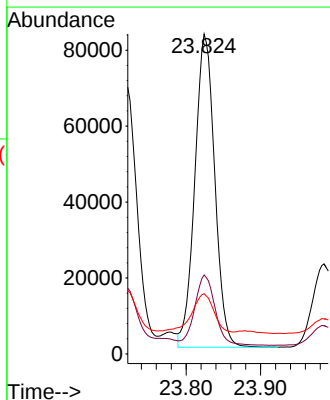
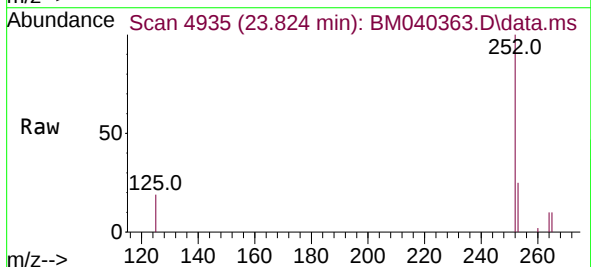
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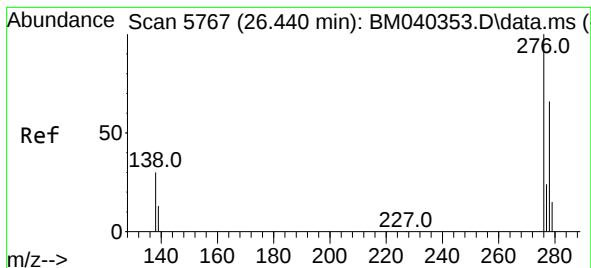
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#26
Benzo(a)pyrene
Concen: 1.863 ng/ul
RT: 23.824 min Scan# 4935
Delta R.T. 0.000 min
Lab File: BM040363.D
Acq: 23 Jun 2023 00:00

Tgt Ion:252 Resp: 153050
Ion Ratio Lower Upper
252 100
253 24.7 22.9 34.3
125 18.8 21.0 31.4#





#27

Indeno(1,2,3-cd)pyrene

Concen: 1.284 ng/ul

RT: 26.437 min Scan# 5766

Delta R.T. 0.003 min

Lab File: BM040363.D

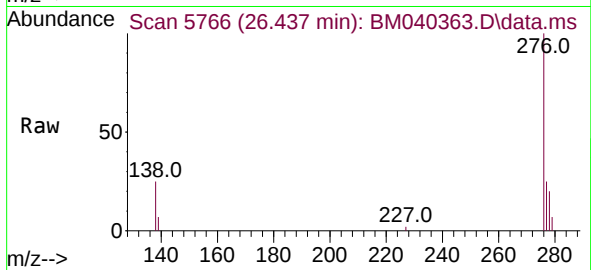
Acq: 23 Jun 2023 00:00

Instrument :

BNA_M

ClientSampleId :

DCFN2



Tgt Ion:276 Resp: 146944

Ion Ratio Lower Upper

276 100

138 25.6 24.5 36.7

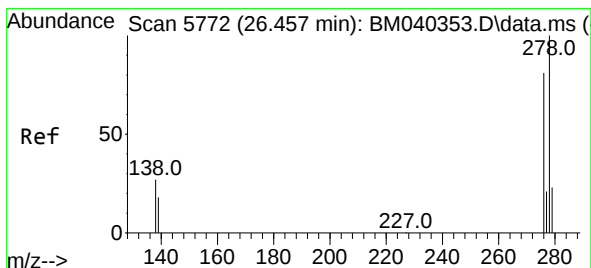
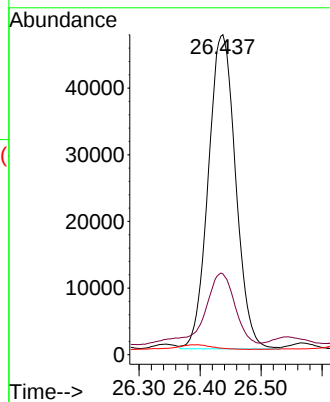
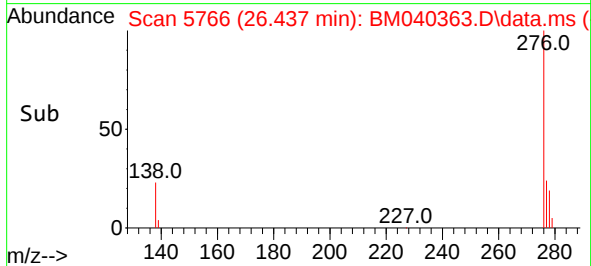
227 0.0 0.1 0.1

Manual Integrations

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Reviewed By :Yogesh Patel 06/23/2023

Supervised By :mohammad ahmed 06/23/2023



#28

Dibenzo(a,h)anthracene

Concen: 0.400 ng/ul

RT: 26.447 min Scan# 5769

Delta R.T. -0.007 min

Lab File: BM040363.D

Acq: 23 Jun 2023 00:00

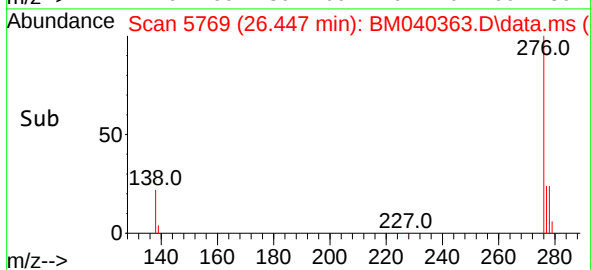
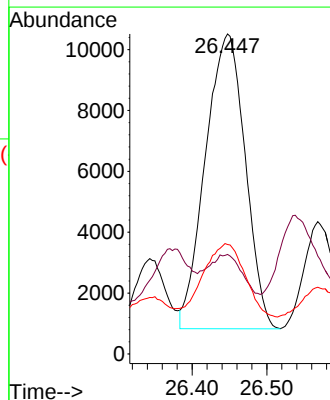
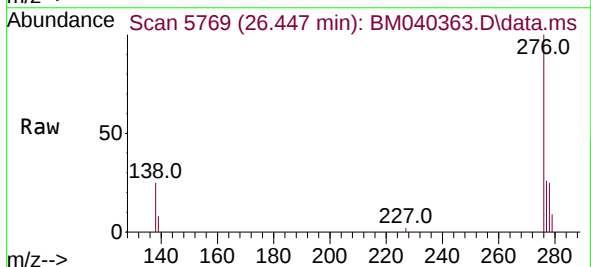
Tgt Ion:278 Resp: 35803

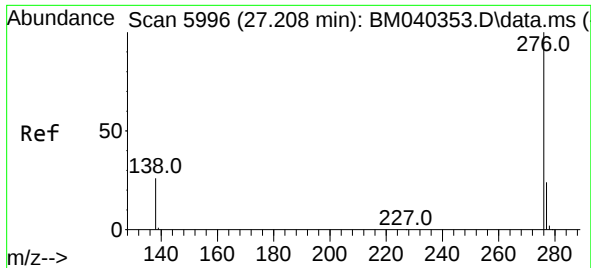
Ion Ratio Lower Upper

278 100

139 31.1 17.9 26.9#

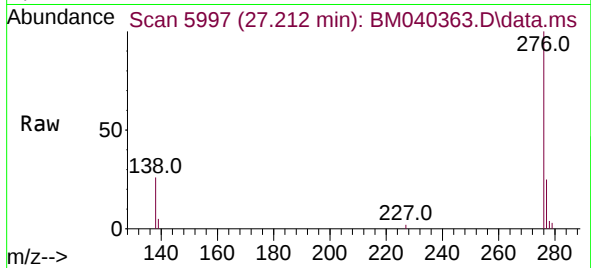
279 34.2 22.0 33.0#





#29
Benzo(g,h,i)perylene
Concen: 1.443 ng/ul
RT: 27.212 min Scan# 5997
Delta R.T. 0.007 min
Lab File: BM040363.D
Acq: 23 Jun 2023 00:00

Instrument :
BNA_M
ClientSampleId :
DCFN2



Tgt Ion:276 Resp: 144733
Ion Ratio Lower Upper
276 100
138 26.3 23.0 34.6
277 24.9 20.3 30.5

Manual Integrations
APPROVED

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

