

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062323\
 Data File : BM040383.D
 Acq On : 23 Jun 2023 19:48
 Operator : MA/JU
 Sample : 03084-18DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFN5DL

Manual Integrations
 APPROVED

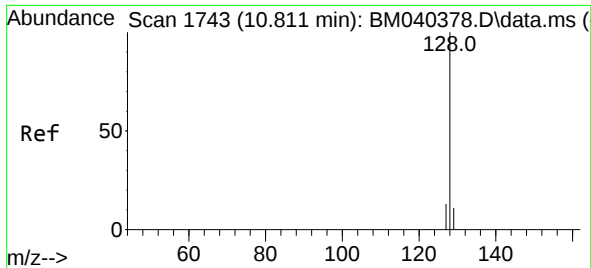
Reviewed By :Yogesh Patel 06/24/2023
 Supervised By :mohammad ahmed 06/27/2023

Quant Time: Jun 24 01:38:26 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)

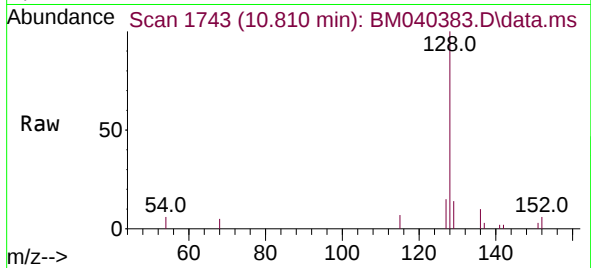
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.949	152	7851	0.400	ng/ul	0.00
4) Naphthalene-d8	10.760	136	28543	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.590	164	13950	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.331	188	27910	0.400	ng/ul	0.00
17) Chrysene-d12	21.513	240	19894	0.400	ng/ul	0.00
23) Perylene-d12	23.925	264	16364	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.333	96	6691	0.543	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.344	152	1669	0.042	ng/ul	0.00
18) Fluoranthene-d10	19.355	212	2945	0.046	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.810	128	8295	0.105	ng/ul#	95
7) 2-Methylnaphthalene	12.421	142	5839	0.126	ng/ul	98
8) 1-Methylnaphthalene	12.635	142	3527	0.076	ng/ul	99
10) Acenaphthylene	14.307	152	19097	0.306	ng/ul	98
12) Fluorene	15.635	166	1124	0.020	ng/ul#	71
15) Phenanthrene	17.373	178	32110	0.370	ng/ul	100
16) Anthracene	17.466	178	6714	0.092	ng/ul#	94
19) Fluoranthene	19.387	202	123710	1.464	ng/ul	97
20) Pyrene	19.750	202	106310	1.173	ng/ul	99
21) Benzo(a)anthracene	21.496	228	60794	0.903	ng/ul	96
22) Chrysene	21.548	228	71120	0.927	ng/ul	97
24) Benzo(b)fluoranthene	23.191	252	91988	1.453	ng/ul	96
25) Benzo(k)fluoranthene	23.232	252	31163m	0.499	ng/ul	
26) Benzo(a)pyrene	23.817	252	46163	0.809	ng/ul	95
27) Indeno(1,2,3-cd)pyrene	26.426	276	35444	0.446	ng/ul#	95
28) Dibenzo(a,h)anthracene	26.436	278	9014	0.145	ng/ul#	79
29) Benzo(g,h,i)perylene	27.200	276	33090	0.475	ng/ul	99

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



#5
Naphthalene
Concen: 0.105 ng/ul
RT: 10.810 min Scan# 1743
Delta R.T. -0.001 min
Lab File: BM040383.D
Acq: 23 Jun 2023 19:48

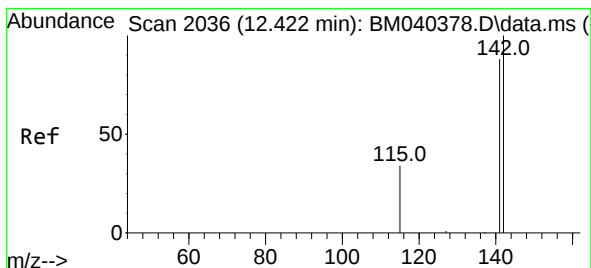
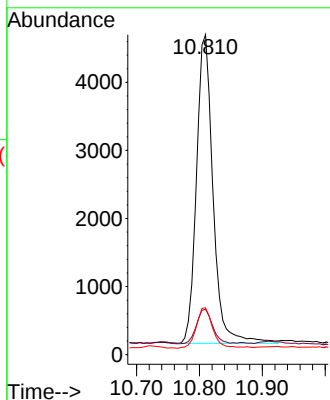
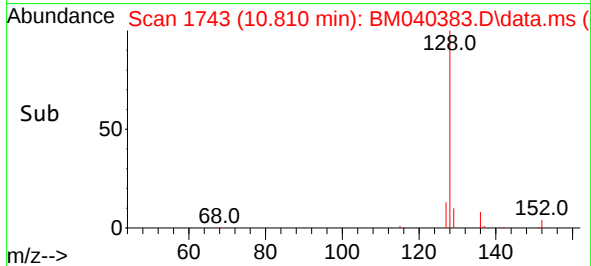
Instrument :
BNA_M
ClientSampleId :
DCFN5DL



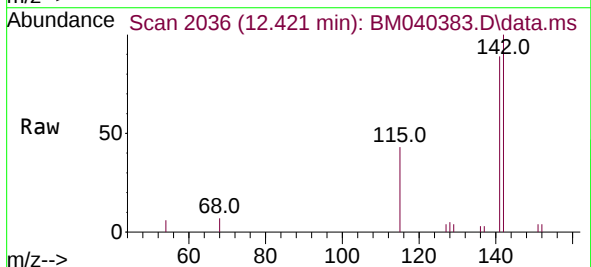
Tgt Ion:128 Resp: 8295
Ion Ratio Lower Upper
128 100
129 14.1 9.2 13.8
127 14.6 10.6 15.8

Manual Integrations
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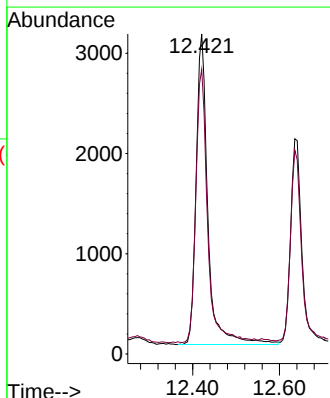
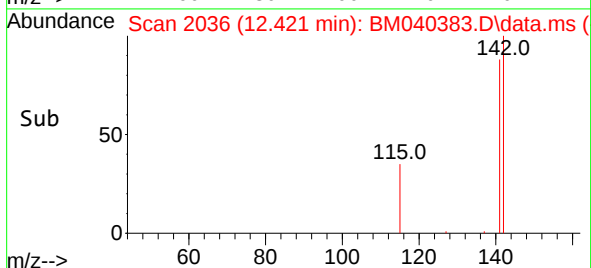
Reviewed By :Yogesh Patel 06/24/2023
Supervised By :mohammad ahmed 06/27/2023

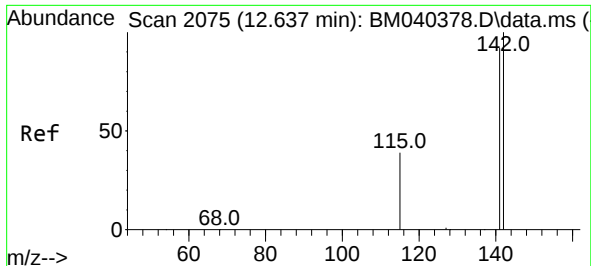


#7
2-Methylnaphthalene
Concen: 0.126 ng/ul
RT: 12.421 min Scan# 2036
Delta R.T. -0.001 min
Lab File: BM040383.D
Acq: 23 Jun 2023 19:48



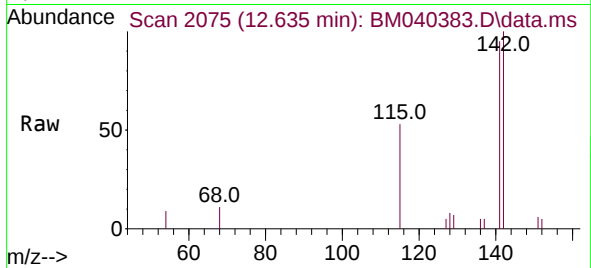
Tgt Ion:142 Resp: 5839
Ion Ratio Lower Upper
142 100
141 87.6 71.9 107.9





#8
1-Methylnaphthalene
Concen: 0.076 ng/ul
RT: 12.635 min Scan# 2075
Delta R.T. -0.007 min
Lab File: BM040383.D
Acq: 23 Jun 2023 19:48

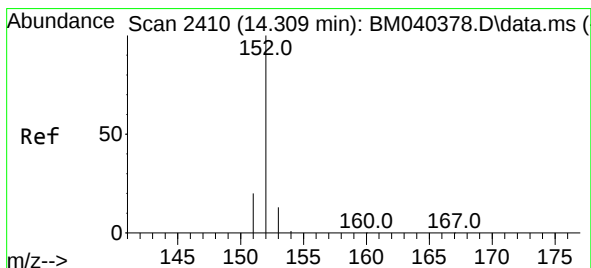
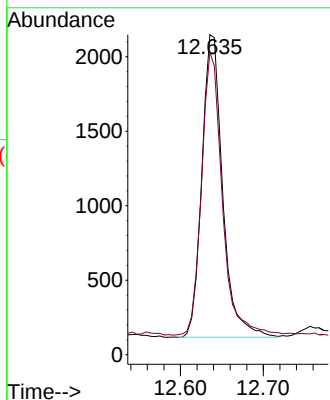
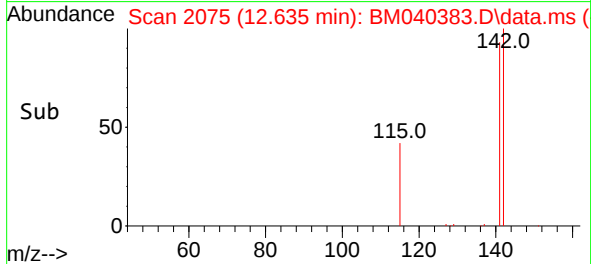
Instrument :
BNA_M
ClientSampleId :
DCFN5DL



Tgt Ion:142 Resp: 352
Ion Ratio Lower Upper
142 100
141 93.3 73.7 110.5

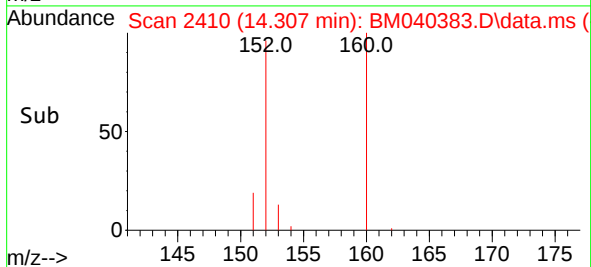
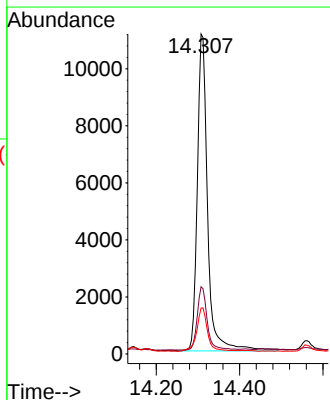
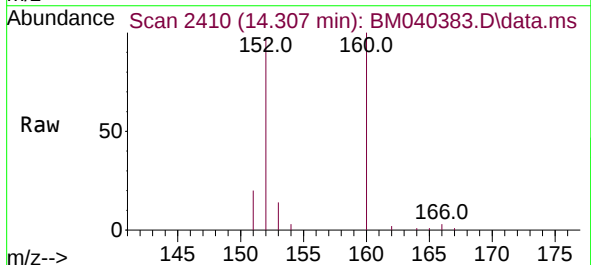
Manual Integrations
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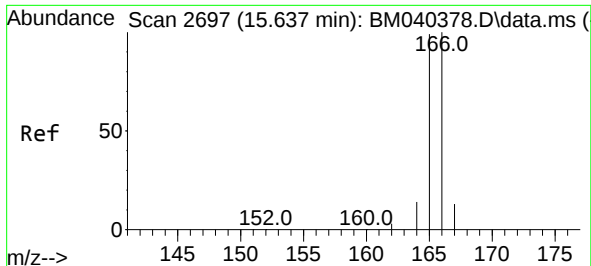
Reviewed By :Yogesh Patel 06/24/2023
Supervised By :mohammad ahmed 06/27/2023



#10
Acenaphthylene
Concen: 0.306 ng/ul
RT: 14.307 min Scan# 2410
Delta R.T. -0.006 min
Lab File: BM040383.D
Acq: 23 Jun 2023 19:48

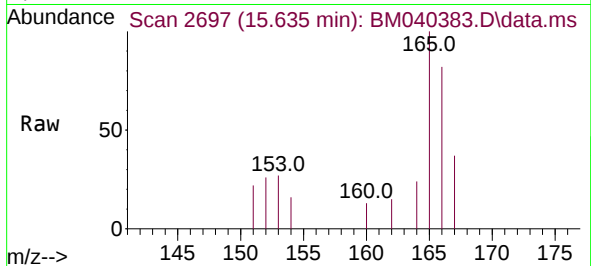
Tgt Ion:152 Resp: 19097
Ion Ratio Lower Upper
152 100
151 21.0 16.2 24.2
153 14.3 10.9 16.3





#12
Fluorene
Concen: 0.020 ng/ul
RT: 15.635 min Scan# 2697
Delta R.T. -0.006 min
Lab File: BM040383.D
Acq: 23 Jun 2023 19:48

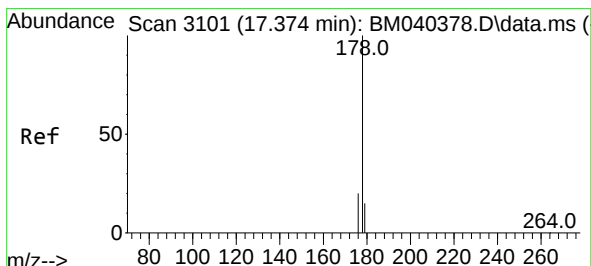
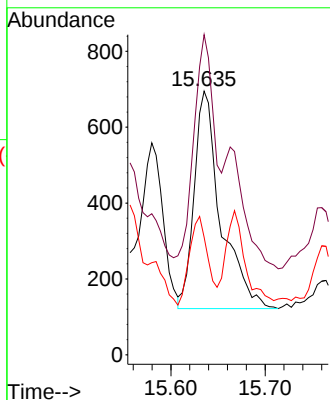
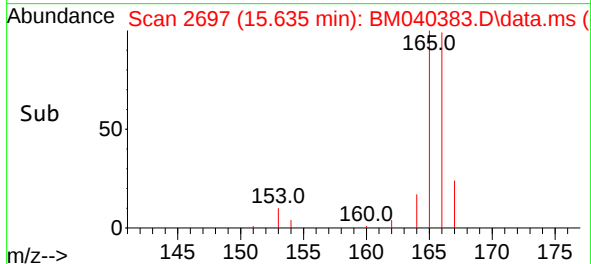
Instrument :
BNA_M
ClientSampleId :
DCFN5DL



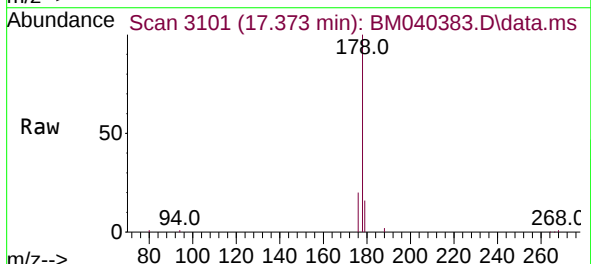
Tgt Ion:166 Resp: 1124
Ion Ratio Lower Upper
166 100
165 121.4 79.6 119.4
167 44.6 11.4 17.0

Manual Integrations
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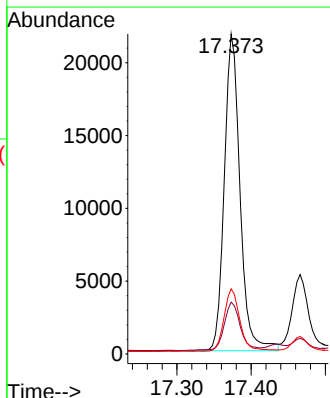
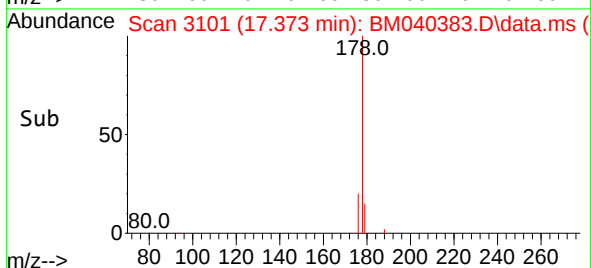
Reviewed By :Yogesh Patel 06/24/2023
Supervised By :mohammad ahmed 06/27/2023

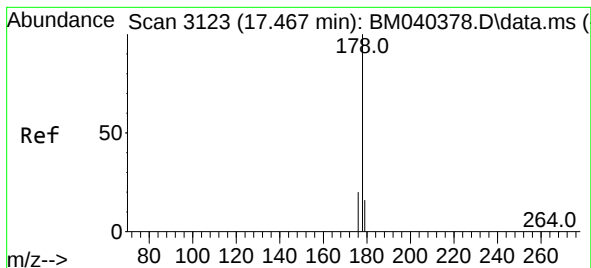


#15
Phenanthrene
Concen: 0.370 ng/ul
RT: 17.373 min Scan# 3101
Delta R.T. -0.006 min
Lab File: BM040383.D
Acq: 23 Jun 2023 19:48



Tgt Ion:178 Resp: 32110
Ion Ratio Lower Upper
178 100
179 16.2 12.8 19.2
176 20.3 16.4 24.6





#16

Anthracene

Concen: 0.092 ng/ul

RT: 17.466 min Scan# 3123

Delta R.T. -0.006 min

Lab File: BM040383.D

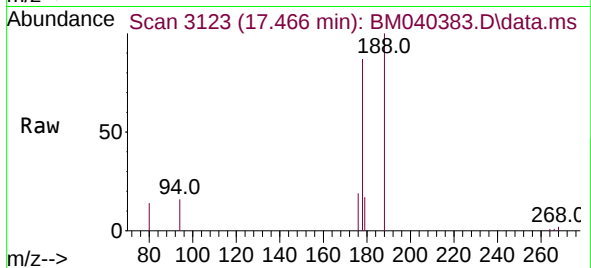
Acq: 23 Jun 2023 19:48

Instrument :

BNA_M

ClientSampleId :

DCFN5DL



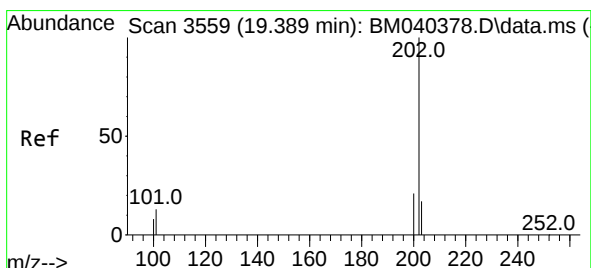
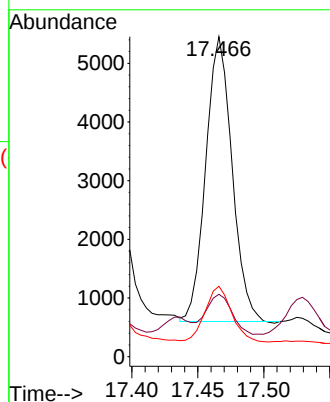
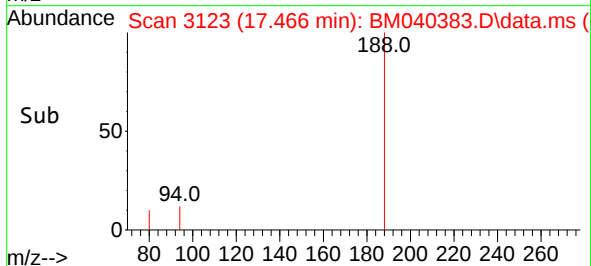
Tgt Ion:	178	Resp:	6714
Ion Ratio	Lower	Upper	
178	100		
179	19.5	12.9	19.3
176	22.0	15.8	23.6

Manual Integrations

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Reviewed By :Yogesh Patel 06/24/2023

Supervised By :mohammad ahmed 06/27/2023



#19

Fluoranthene

Concen: 1.464 ng/ul

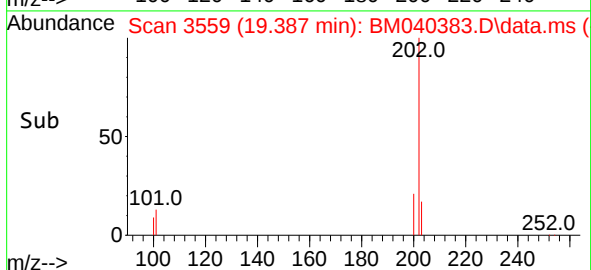
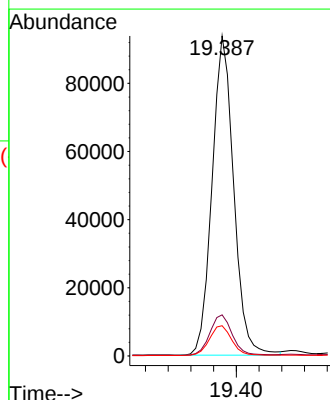
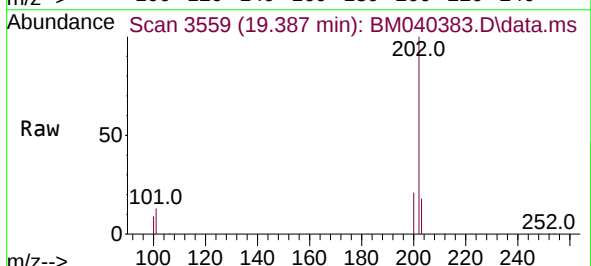
RT: 19.387 min Scan# 3559

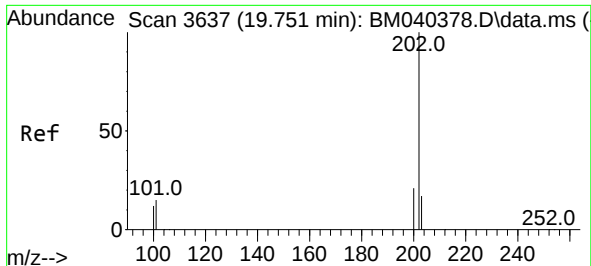
Delta R.T. -0.001 min

Lab File: BM040383.D

Acq: 23 Jun 2023 19:48

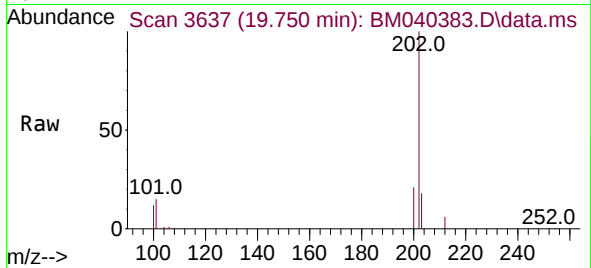
Tgt Ion:	202	Resp:	123710
Ion Ratio	Lower	Upper	
202	100		
101	12.9	11.4	17.0
100	9.5	8.7	13.1





#20
Pyrene
Concen: 1.173 ng/u1
RT: 19.750 min Scan# 3637
Delta R.T. -0.006 min
Lab File: BM040383.D
Acq: 23 Jun 2023 19:48

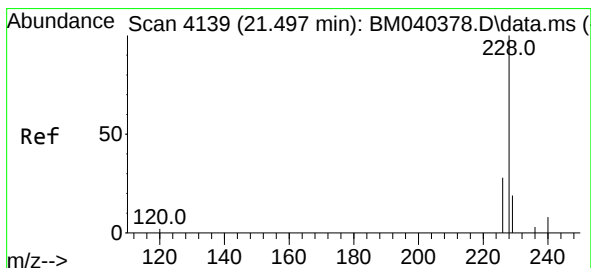
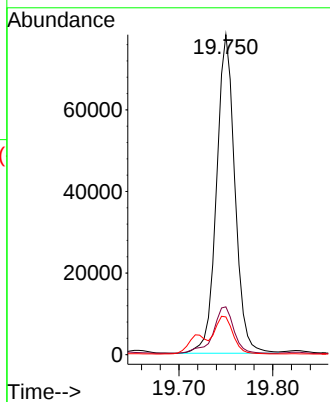
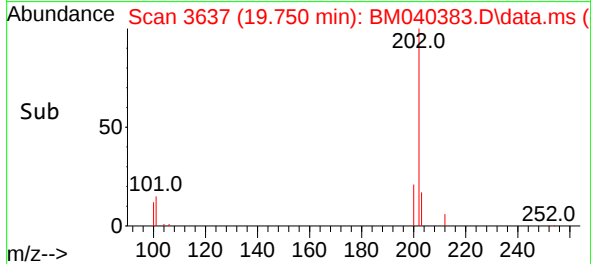
Instrument :
BNA_M
ClientSampleId :
DCFN5DL



Tgt Ion:202 Resp: 106310
Ion Ratio Lower Upper
202 100
101 14.9 12.6 18.8
100 11.8 9.8 14.6

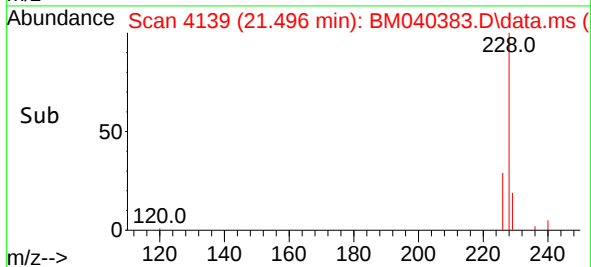
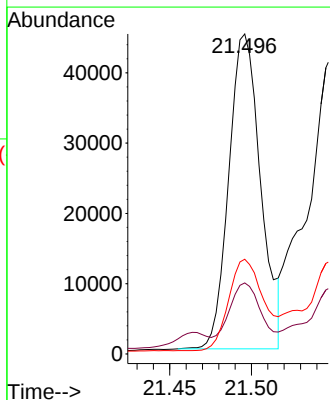
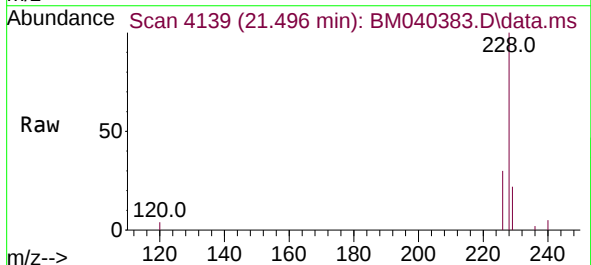
Manual Integrations
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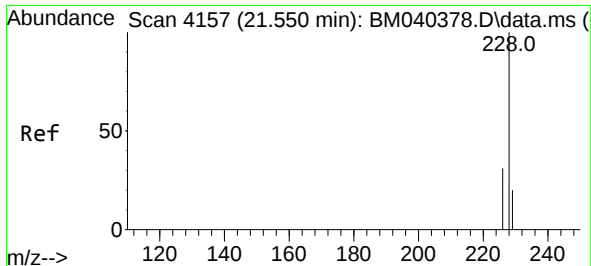
Reviewed By :Yogesh Patel 06/24/2023
Supervised By :mohammad ahmed 06/27/2023



#21
Benzo(a)anthracene
Concen: 0.903 ng/u1
RT: 21.496 min Scan# 4139
Delta R.T. -0.004 min
Lab File: BM040383.D
Acq: 23 Jun 2023 19:48

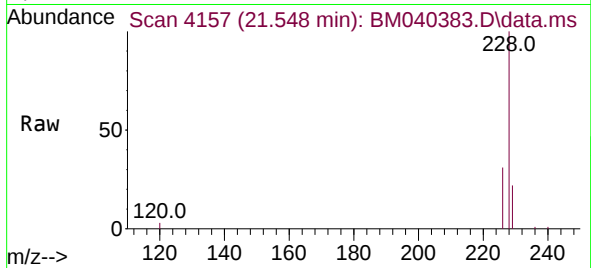
Tgt Ion:228 Resp: 60794
Ion Ratio Lower Upper
228 100
229 22.2 16.0 24.0
226 29.6 22.3 33.5





#22
Chrysene
Concen: 0.927 ng/ul
RT: 21.548 min Scan# 4157
Delta R.T. -0.004 min
Lab File: BM040383.D
Acq: 23 Jun 2023 19:48

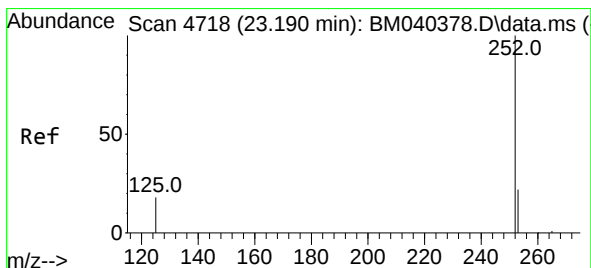
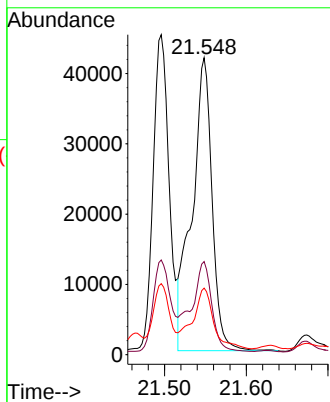
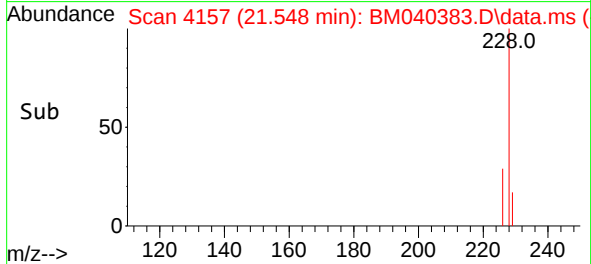
Instrument :
BNA_M
ClientSampleId :
DCFN5DL



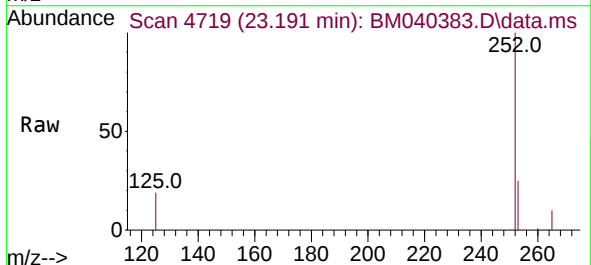
Tgt Ion:228 Resp: 71120
Ion Ratio Lower Upper
228 100
226 31.4 24.9 37.3
229 22.4 15.8 23.6

Manual Integrations
APPROVED

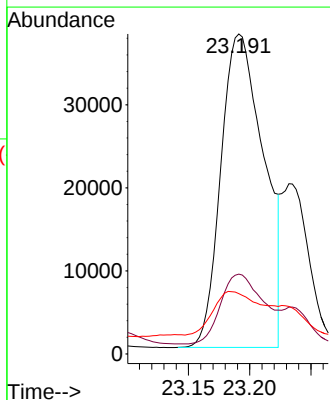
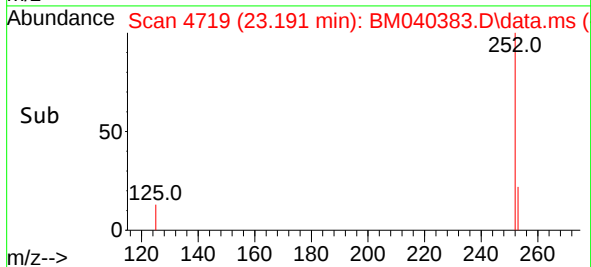
Reviewed By :Yogesh Patel 06/24/2023
Supervised By :mohammad ahmed 06/27/2023

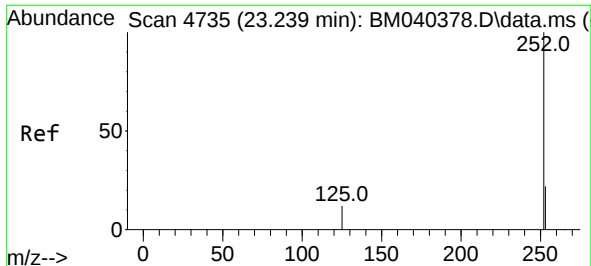


#24
Benzo(b)fluoranthene
Concen: 1.453 ng/ul
RT: 23.191 min Scan# 4719
Delta R.T. -0.001 min
Lab File: BM040383.D
Acq: 23 Jun 2023 19:48



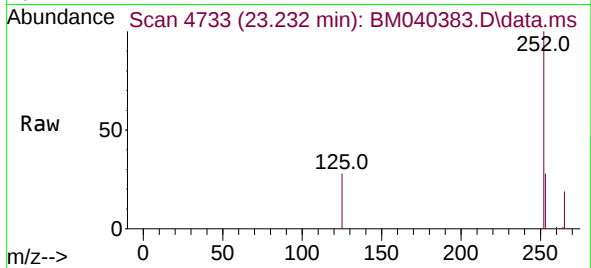
Tgt Ion:252 Resp: 91988
Ion Ratio Lower Upper
252 100
253 25.0 0.0 52.8
125 18.9 0.0 43.0





#25
Benzo(k)fluoranthene
Concen: 0.499 ng/ul m
RT: 23.232 min Scan# 4733
Delta R.T. -0.010 min
Lab File: BM040383.D
Acq: 23 Jun 2023 19:48

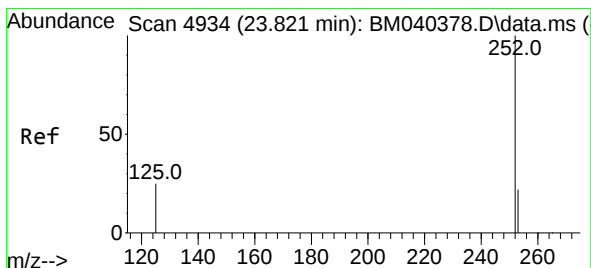
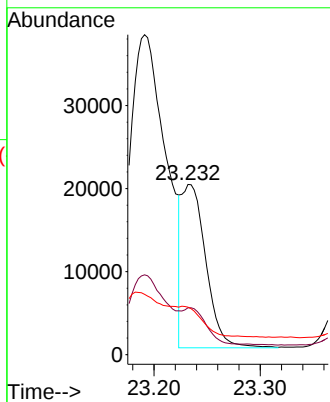
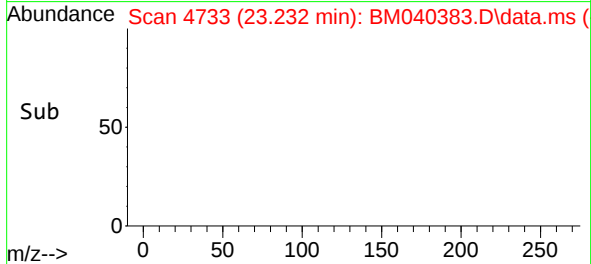
Instrument :
BNA_M
ClientSampleId :
DCFN5DL



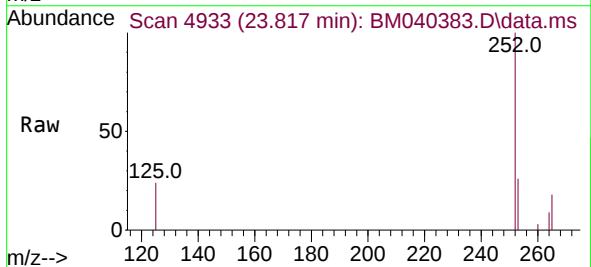
Tgt Ion:252 Resp: 3116
Ion Ratio Lower Upper
252 100
253 27.6 21.2 31.8
125 27.9 16.4 24.6

Manual Integrations
APPROVED

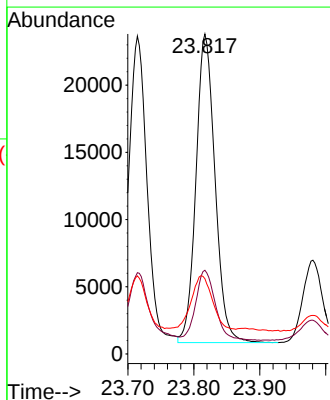
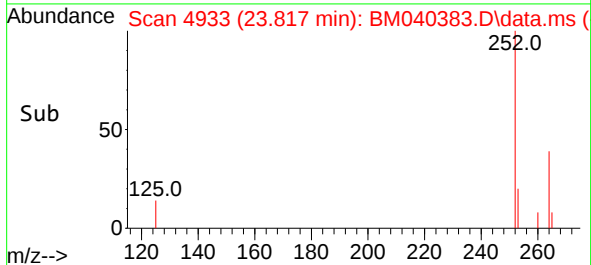
Reviewed By :Yogesh Patel 06/24/2023
Supervised By :mohammad ahmed 06/27/2023

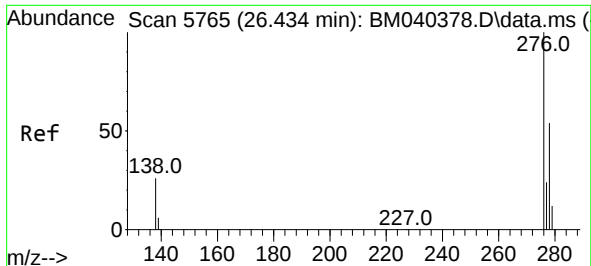


#26
Benzo(a)pyrene
Concen: 0.809 ng/ul
RT: 23.817 min Scan# 4933
Delta R.T. -0.007 min
Lab File: BM040383.D
Acq: 23 Jun 2023 19:48



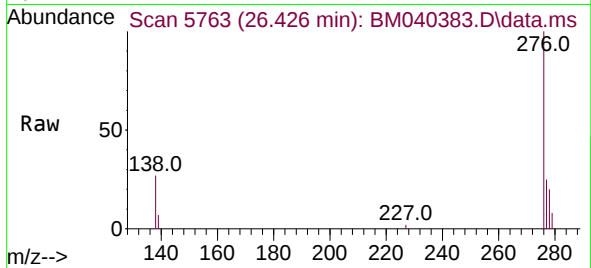
Tgt Ion:252 Resp: 46163
Ion Ratio Lower Upper
252 100
253 26.2 22.9 34.3
125 23.5 21.0 31.4





#27
 Indeno(1,2,3-cd)pyrene
 Concen: 0.446 ng/ul
 RT: 26.426 min Scan# 5765
 Delta R.T. -0.008 min
 Lab File: BM040383.D
 Acq: 23 Jun 2023 19:48

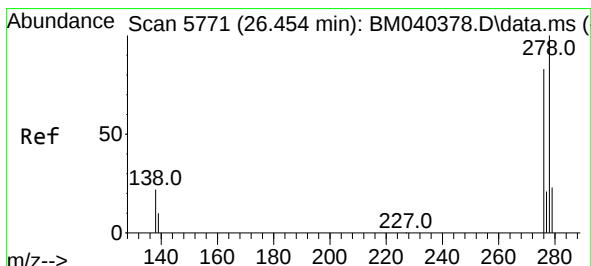
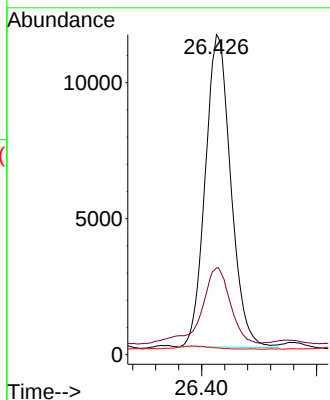
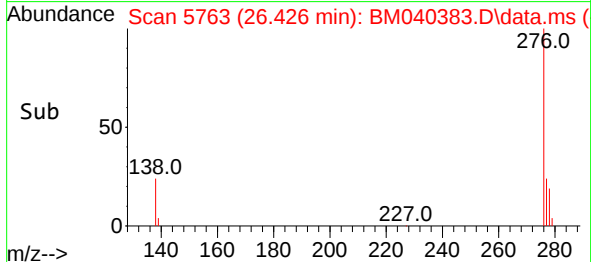
Instrument :
 BNA_M
 ClientSampleId :
 DCFN5DL



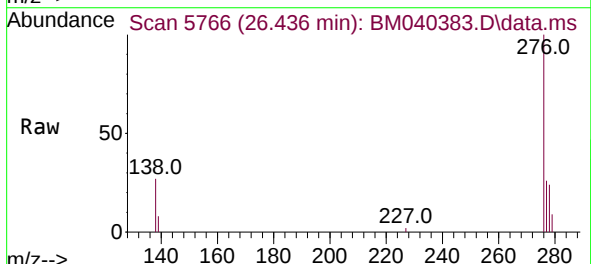
Tgt Ion:276 Resp: 3544
 Ion Ratio Lower Upper
 276 100
 138 27.7 24.5 36.7
 227 0.0 0.1 0.1

Manual Integrations
 APPROVED

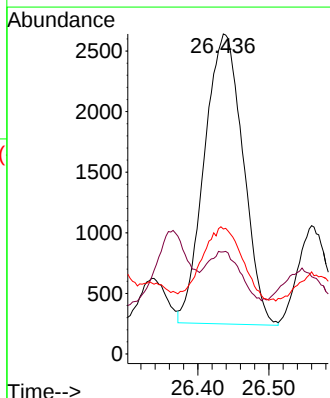
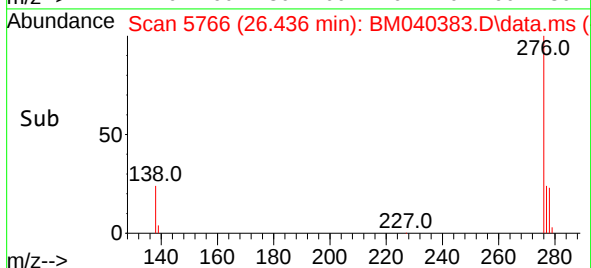
Reviewed By :Yogesh Patel 06/24/2023
 Supervised By :mohammad ahmed 06/27/2023

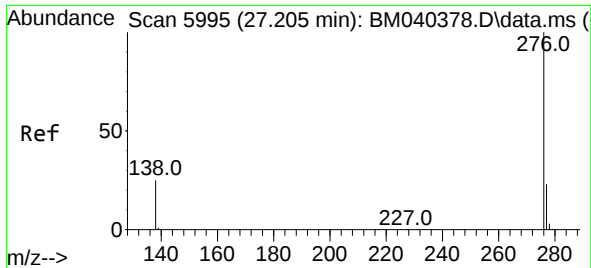


#28
 Dibenzo(a,h)anthracene
 Concen: 0.145 ng/ul
 RT: 26.436 min Scan# 5766
 Delta R.T. -0.018 min
 Lab File: BM040383.D
 Acq: 23 Jun 2023 19:48



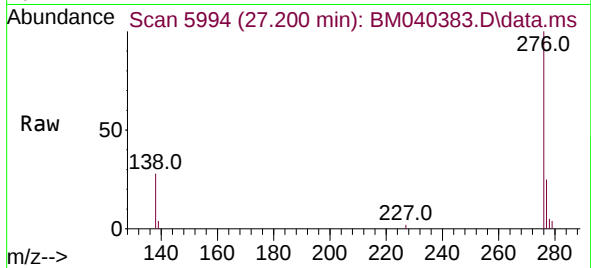
Tgt Ion:278 Resp: 9014
 Ion Ratio Lower Upper
 278 100
 139 31.9 17.9 26.9#
 279 39.1 22.0 33.0#





#29
Benzo(g,h,i)perylene
Concen: 0.475 ng/ul
RT: 27.200 min Scan# 5994
Delta R.T. -0.005 min
Lab File: BM040383.D
Acq: 23 Jun 2023 19:48

Instrument :
BNA_M
ClientSampleId :
DCFN5DL



Tgt Ion:276 Resp: 33090
Ion Ratio Lower Upper
276 100
138 28.3 23.0 34.6
277 25.3 20.3 30.5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/24/2023
Supervised By :mohammad ahmed 06/27/2023

