

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061923\
 Data File : BM040312.D
 Acq On : 19 Jun 2023 13:38
 Operator : MA/JU
 Sample : 03080-14
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFJ3

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/21/2023
 Supervised By :mohammad ahmed 06/21/2023

Quant Time: Jun 20 00:12:54 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 15 00:31:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.965	152	10033	0.400	ng/ul	0.00
4) Naphthalene-d8	10.778	136	36858	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.605	164	20948	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.349	188	37994	0.400	ng/ul	0.00
17) Chrysene-d12	21.532	240	21319	0.400	ng/ul	# 0.00
23) Perylene-d12	23.958	264	33833	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.346	96	41249	3.329	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.362	152	12039	0.257	ng/ul	-0.01
18) Fluoranthene-d10	19.375	212	22133	0.416	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.827	128	111761	1.280	ng/ul	100
7) 2-Methylnaphthalene	12.433	142	30795	0.567	ng/ul	100
8) 1-Methylnaphthalene	12.653	142	23483	0.413	ng/ul	100
10) Acenaphthylene	14.327	152	340653	4.649	ng/ul	99
11) Acenaphthene	14.669	153	61313	0.976	ng/ul	99
12) Fluorene	15.655	166	55365	0.791	ng/ul	99
14) Pentachlorophenol	17.003	266	466	0.060	ng/ul	96
15) Phenanthrene	17.391	178	1605454	16.071	ng/ul	99
16) Anthracene	17.484	178	429222	5.072	ng/ul	99
19) Fluoranthene	19.407	202	5064697	69.742	ng/ul	96
20) Pyrene	19.770	202	4517411	59.872	ng/ul	98
21) Benzo(a)anthracene	21.512	228	2260006	35.915	ng/ul	97
22) Chrysene	21.567	228	2485814	37.395	ng/ul	97
24) Benzo(b)fluoranthene	23.224	252	5091562	40.823	ng/ul	90
25) Benzo(k)fluoranthene	23.268	252	1927948m	16.415	ng/ul	
26) Benzo(a)pyrene	23.859	252	3253084	31.786	ng/ul#	82
27) Indeno(1,2,3-cd)pyrene	26.494	276	3281300	25.328	ng/ul#	86
28) Dibenzo(a,h)anthracene	26.497	278	796555	7.660	ng/ul	96
29) Benzo(g,h,i)perylene	27.275	276	3146145	29.076	ng/ul	96

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

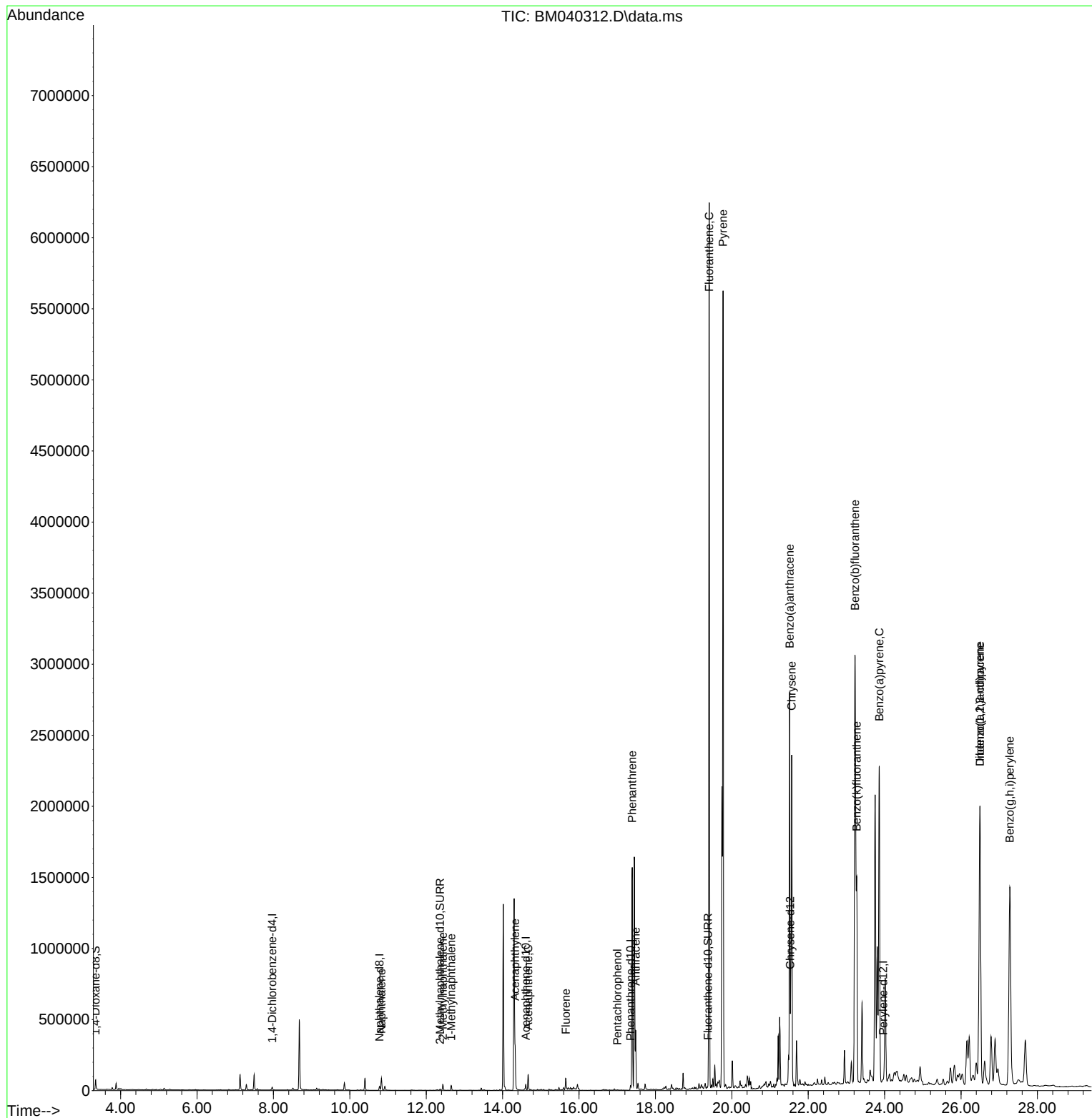
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061923\
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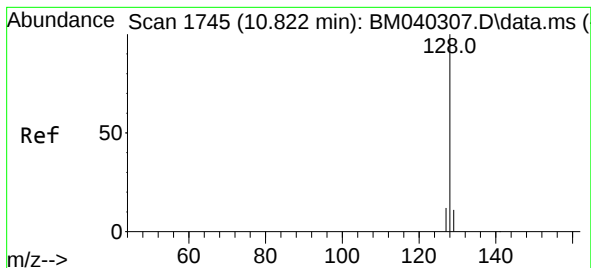
Instrument :
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Response via : Initial Calibration





#5

Naphthalene

Concen: 1.280 ng/ul

RT: 10.827 min Scan# 1745

Delta R.T. -0.006 min

Lab File: BM040312.D

Acq: 19 Jun 2023 13:38

Instrument :

BNA_M

ClientSampleId :

DCFJ3

Tgt Ion:128 Resp: 11176

Ion Ratio Lower Upper

128 100

129 11.2 9.1 13.7

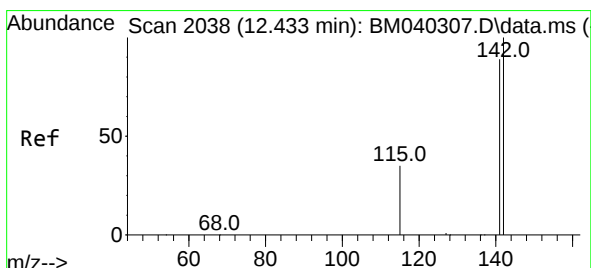
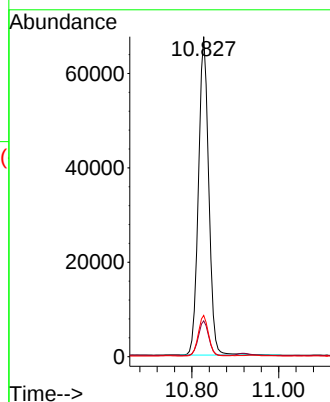
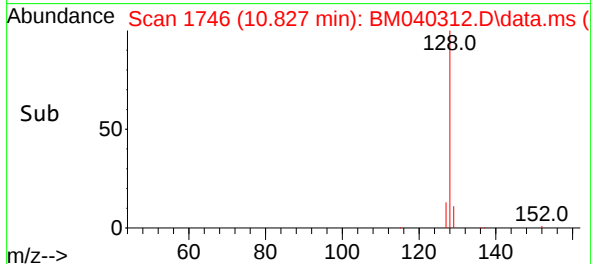
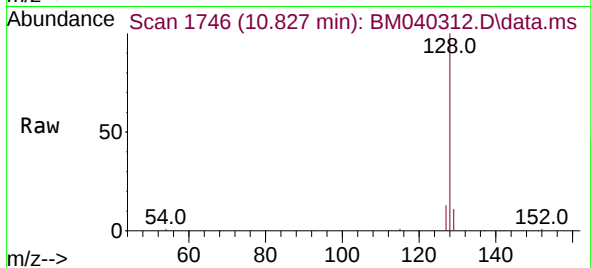
127 12.9 10.4 15.6

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#7

2-Methylnaphthalene

Concen: 0.567 ng/ul

RT: 12.433 min Scan# 2038

Delta R.T. -0.011 min

Lab File: BM040312.D

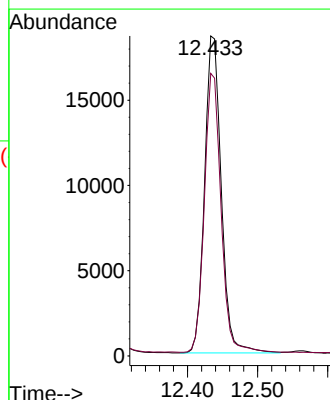
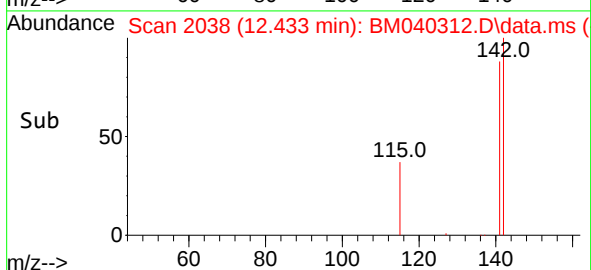
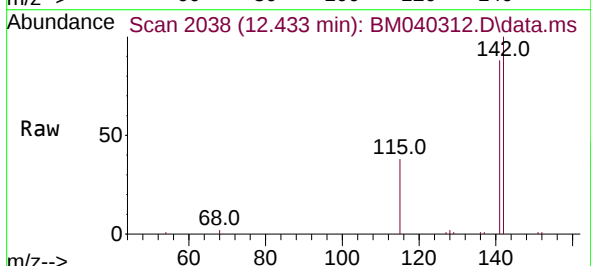
Acq: 19 Jun 2023 13:38

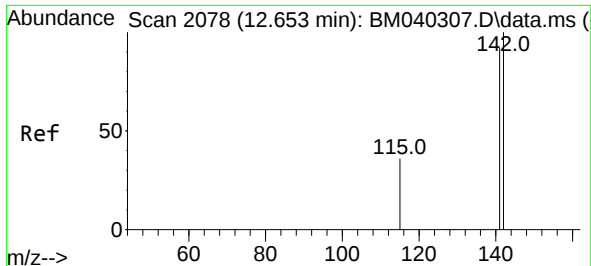
Tgt Ion:142 Resp: 30795

Ion Ratio Lower Upper

142 100

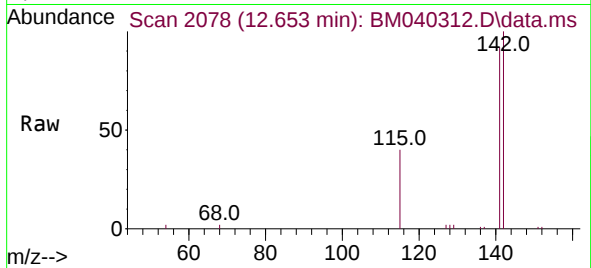
141 88.4 70.6 106.0





#8
1-Methylnaphthalene
Concen: 0.413 ng/ul
RT: 12.653 min Scan# 2078
Delta R.T. -0.011 min
Lab File: BM040312.D
Acq: 19 Jun 2023 13:38

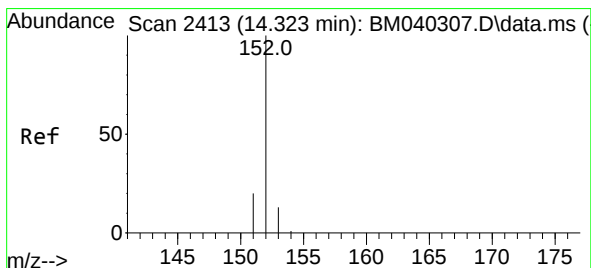
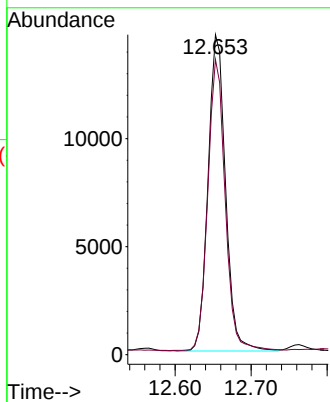
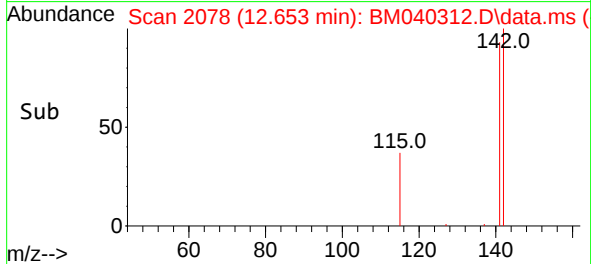
Instrument :
BNA_M
ClientSampleId :
DCFJ3



Tgt Ion:142 Resp: 2348
Ion Ratio Lower Upper
142 100
141 91.1 73.0 109.4

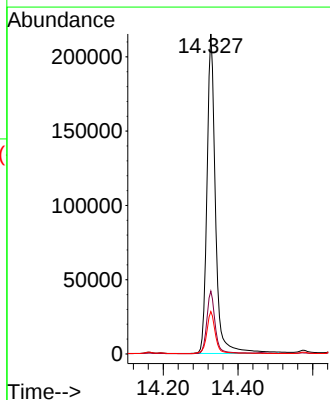
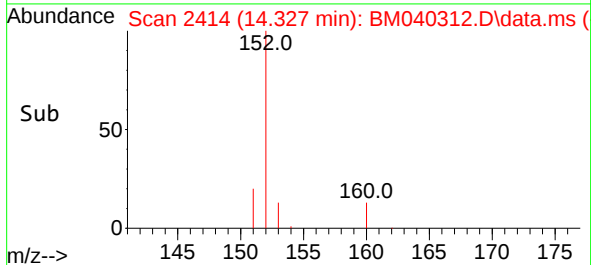
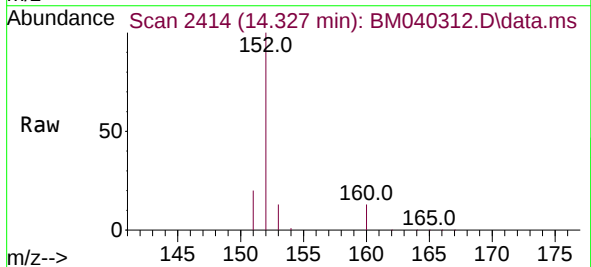
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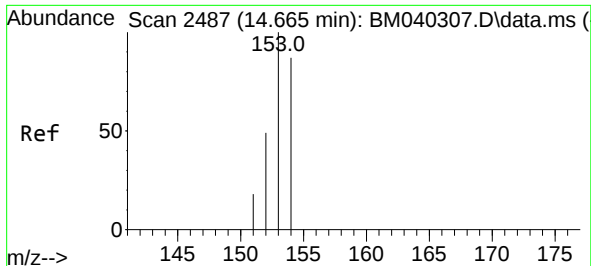
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023



#10
Acenaphthylene
Concen: 4.649 ng/ul
RT: 14.327 min Scan# 2414
Delta R.T. -0.005 min
Lab File: BM040312.D
Acq: 19 Jun 2023 13:38

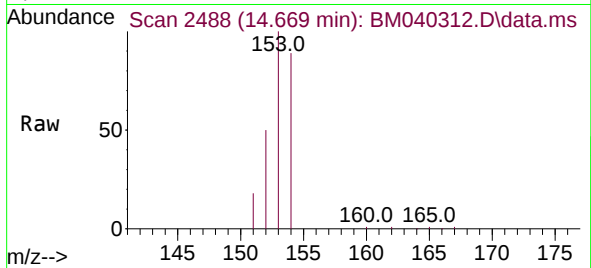
Tgt Ion:152 Resp: 340653
Ion Ratio Lower Upper
152 100
151 19.6 16.3 24.5
153 13.2 10.7 16.1





#11
Acenaphthene
Concen: 0.976 ng/ul
RT: 14.669 min Scan# 2487
Delta R.T. -0.005 min
Lab File: BM040312.D
Acq: 19 Jun 2023 13:38

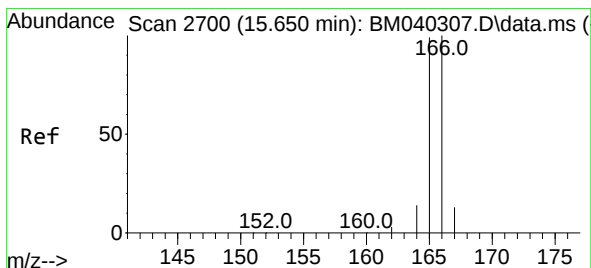
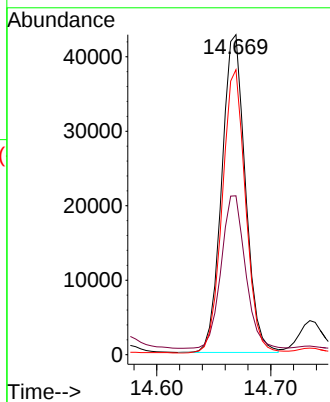
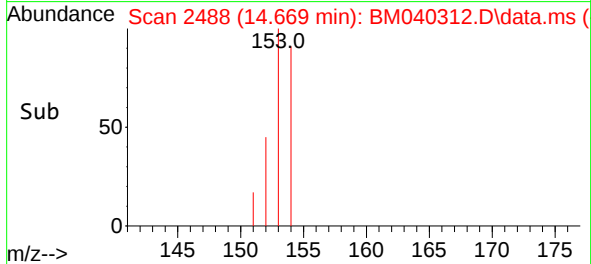
Instrument :
BNA_M
ClientSampleId :
DCFJ3



Tgt Ion:153 Resp: 61311
Ion Ratio Lower Upper
153 100
152 49.6 40.3 60.5
154 89.1 70.5 105.7

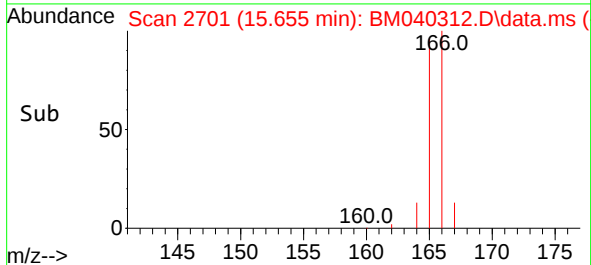
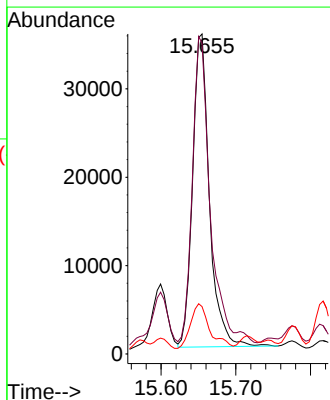
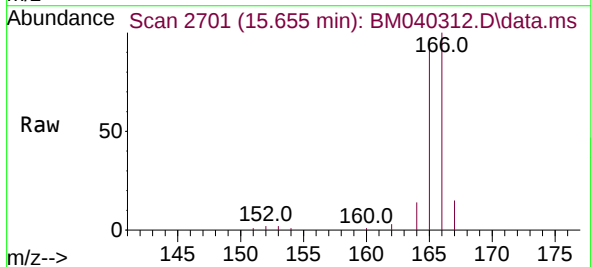
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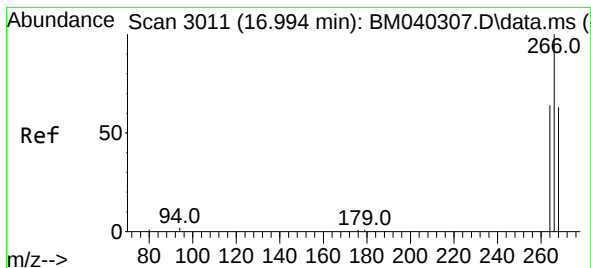
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023



#12
Fluorene
Concen: 0.791 ng/ul
RT: 15.655 min Scan# 2701
Delta R.T. -0.005 min
Lab File: BM040312.D
Acq: 19 Jun 2023 13:38

Tgt Ion:166 Resp: 55365
Ion Ratio Lower Upper
166 100
165 97.2 78.2 117.4
167 14.8 11.0 16.4





#14

Pentachlorophenol

Concen: 0.060 ng/ul

RT: 17.003 min Scan# 3011

Delta R.T. -0.004 min

Lab File: BM040312.D

Acq: 19 Jun 2023 13:38

Instrument :

BNA_M

ClientSampleId :

DCFJ3

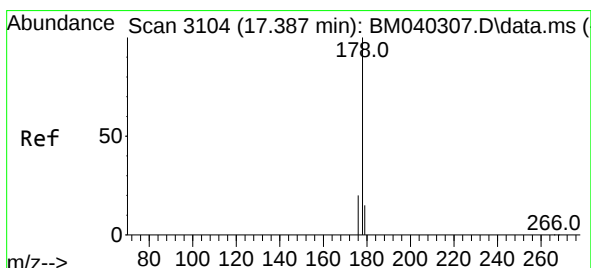
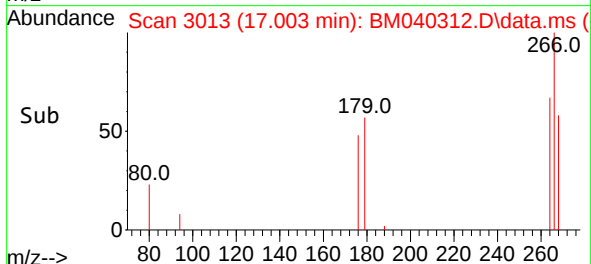
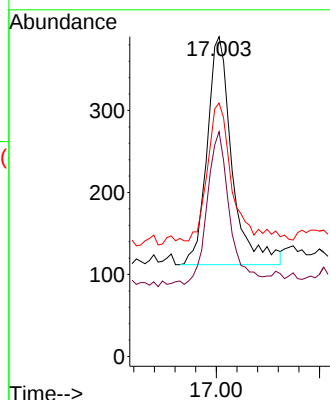
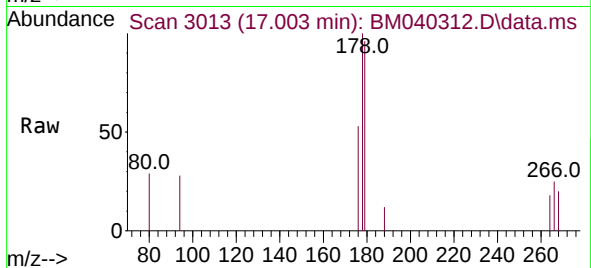
Tgt Ion:	266	Resp:	460
Ion Ratio	Lower	Upper	
266	100		
264	65.7	49.4	74.0
268	61.4	51.3	76.9

Manual Integrations

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Reviewed By :Yogesh Patel 06/21/2023

Supervised By :mohammad ahmed 06/21/2023



#15

Phenanthrene

Concen: 16.071 ng/ul

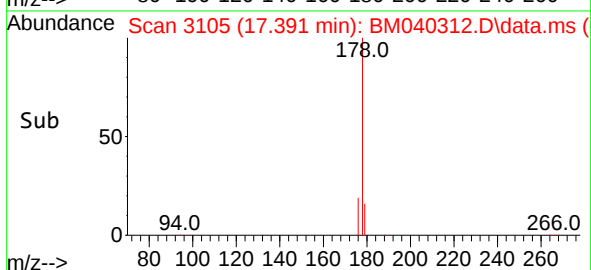
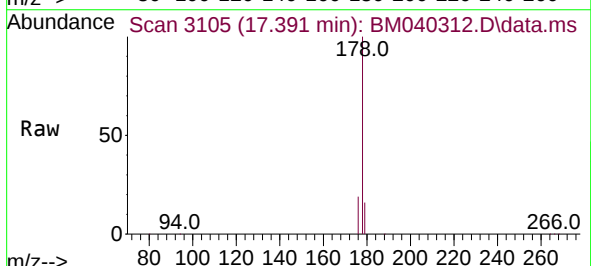
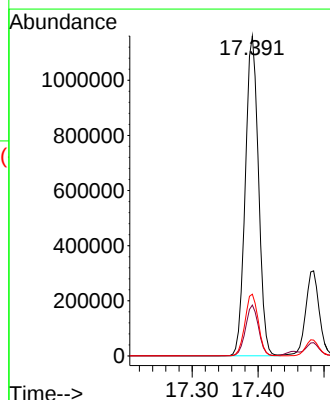
RT: 17.391 min Scan# 3105

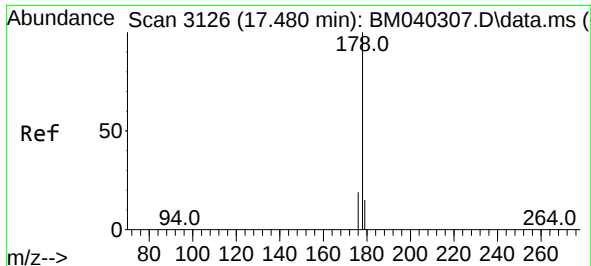
Delta R.T. -0.004 min

Lab File: BM040312.D

Acq: 19 Jun 2023 13:38

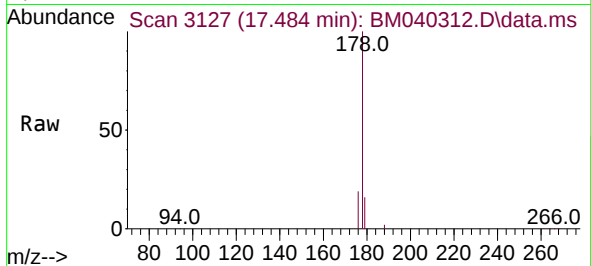
Tgt Ion:	178	Resp:	1605454
Ion Ratio	Lower	Upper	
178	100		
179	15.9	12.6	19.0
176	19.3	16.1	24.1





#16
 Anthracene
 Concen: 5.072 ng/ul
 RT: 17.484 min Scan# 3126
 Delta R.T. -0.004 min
 Lab File: BM040312.D
 Acq: 19 Jun 2023 13:38

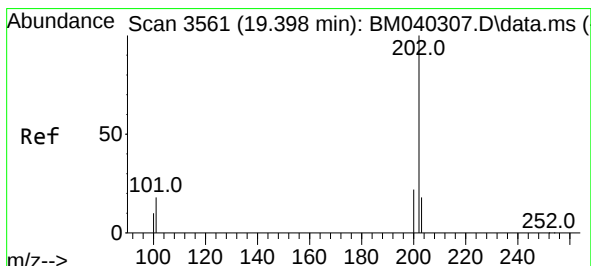
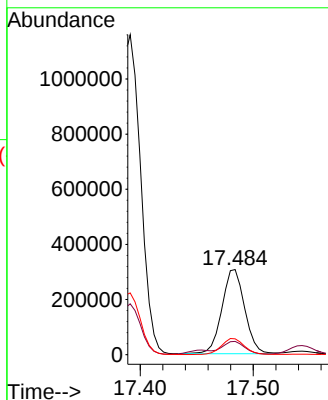
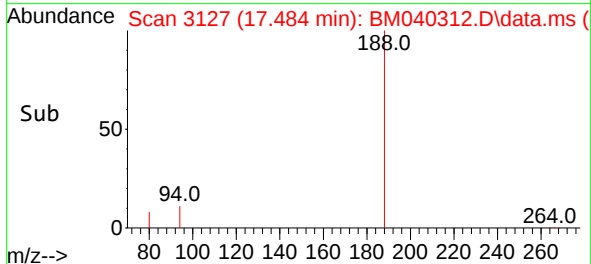
Instrument :
 BNA_M
 ClientSampleId :
 DCFJ3



Tgt Ion:178 Resp: 429222
 Ion Ratio Lower Upper
 178 100
 179 15.7 13.0 19.4
 176 18.7 15.5 23.3

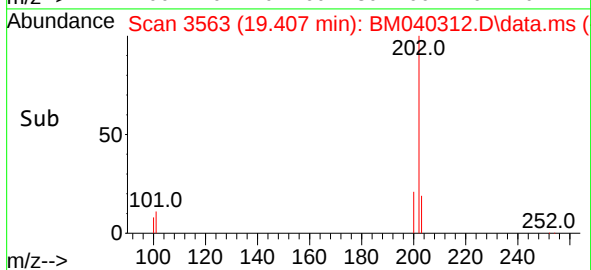
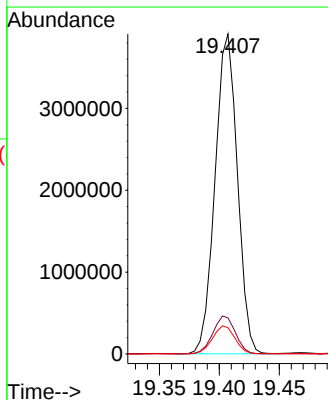
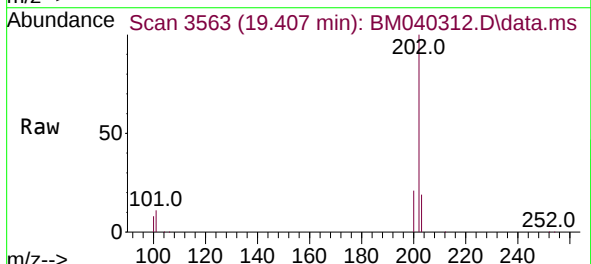
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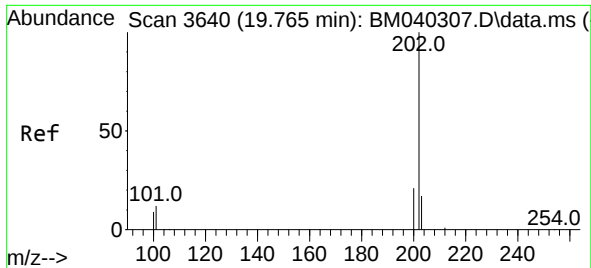
Reviewed By :Yogesh Patel 06/21/2023
 Supervised By :mohammad ahmed 06/21/2023



#19
 Fluoranthene
 Concen: 69.742 ng/ul
 RT: 19.407 min Scan# 3563
 Delta R.T. -0.000 min
 Lab File: BM040312.D
 Acq: 19 Jun 2023 13:38

Tgt Ion:202 Resp: 5064697
 Ion Ratio Lower Upper
 202 100
 101 11.3 10.2 15.4
 100 8.2 7.6 11.4





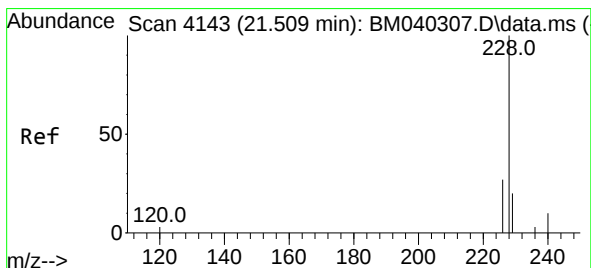
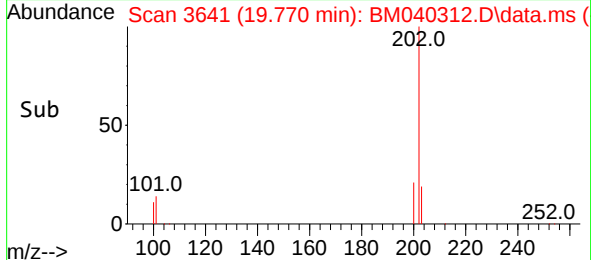
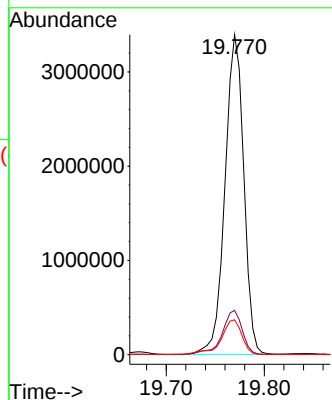
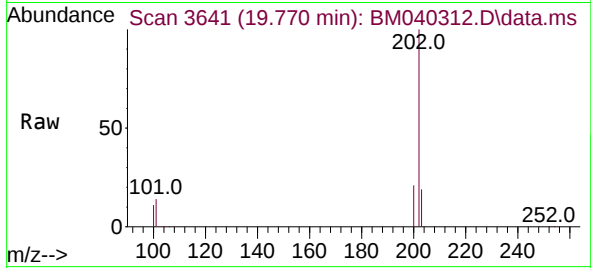
#20
Pyrene
Concen: 59.872 ng/ul
RT: 19.770 min Scan# 3641
Delta R.T. -0.000 min
Lab File: BM040312.D
Acq: 19 Jun 2023 13:38

Instrument :
BNA_M
ClientSampleId :
DCFJ3

Tgt Ion:202 Resp: 451741
Ion Ratio Lower Upper
202 100
101 13.8 11.8 17.8
100 10.9 9.3 13.9

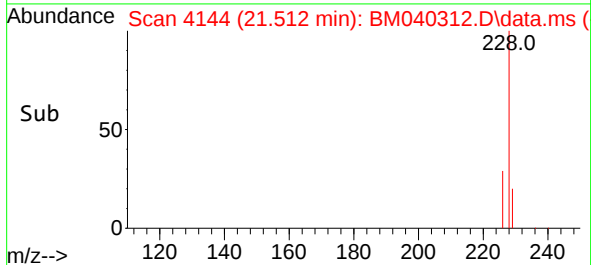
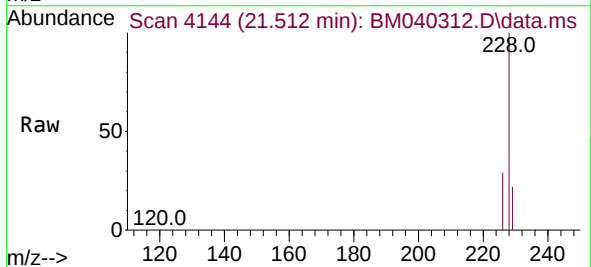
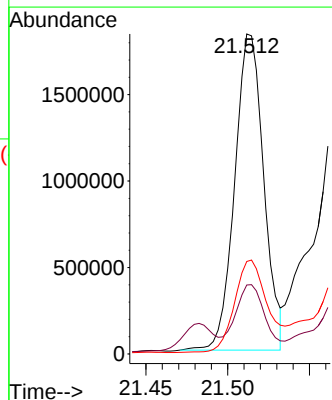
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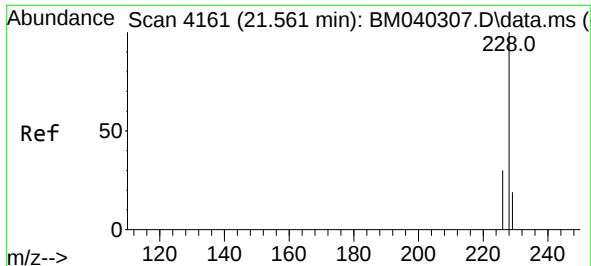
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023



#21
Benzo(a)anthracene
Concen: 35.915 ng/ul
RT: 21.512 min Scan# 4144
Delta R.T. -0.003 min
Lab File: BM040312.D
Acq: 19 Jun 2023 13:38

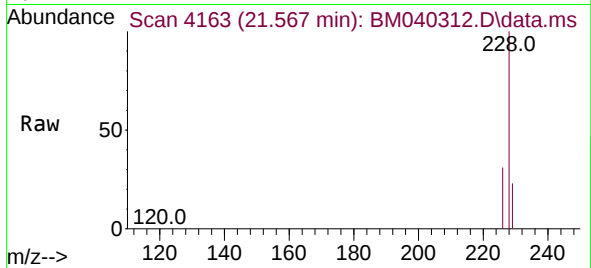
Tgt Ion:228 Resp: 2260006
Ion Ratio Lower Upper
228 100
229 21.5 15.8 23.8
226 28.9 22.0 33.0





#22
Chrysene
Concen: 37.395 ng/u1
RT: 21.567 min Scan# 4163
Delta R.T. -0.003 min
Lab File: BM040312.D
Acq: 19 Jun 2023 13:38

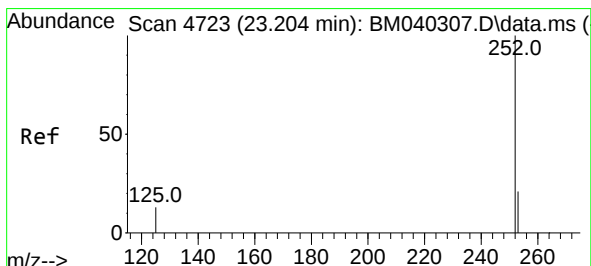
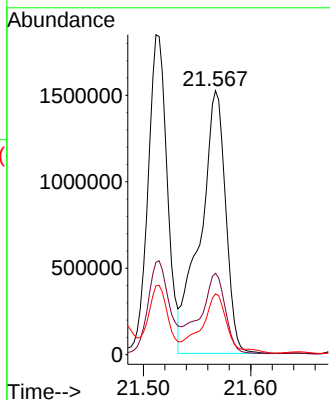
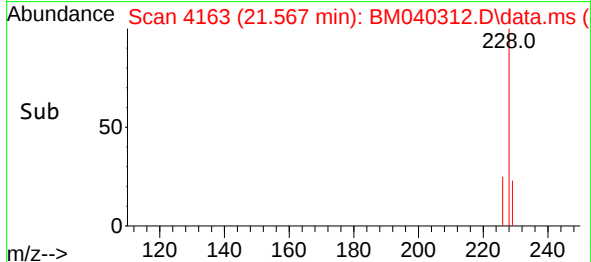
Instrument :
BNA_M
ClientSampleId :
DCFJ3



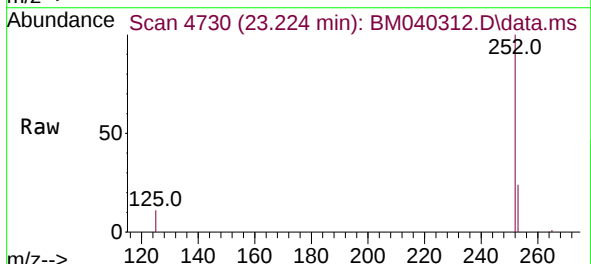
Tgt Ion:228 Resp: 2485814
Ion Ratio Lower Upper
228 100
226 30.8 24.3 36.5
229 23.0 15.7 23.5

Manual Integrations
APPROVED

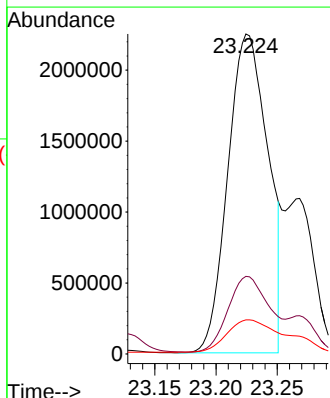
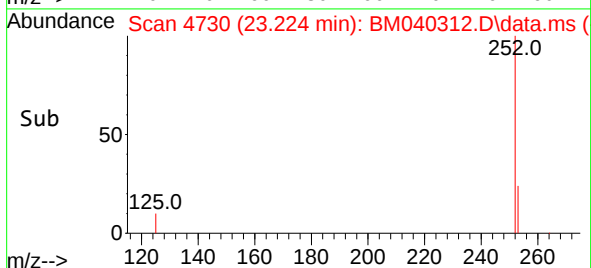
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023

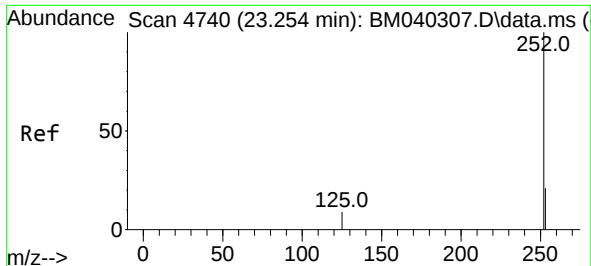


#24
Benzo(b)fluoranthene
Concen: 40.823 ng/u1
RT: 23.224 min Scan# 4730
Delta R.T. 0.009 min
Lab File: BM040312.D
Acq: 19 Jun 2023 13:38



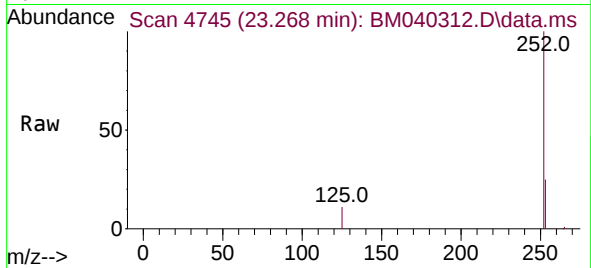
Tgt Ion:252 Resp: 5091562
Ion Ratio Lower Upper
252 100
253 24.3 0.0 52.4
125 10.6 0.0 38.4





#25
Benzo(k)fluoranthene
Concen: 16.415 ng/ul m
RT: 23.268 min Scan# 4745
Delta R.T. 0.003 min
Lab File: BM040312.D
Acq: 19 Jun 2023 13:38

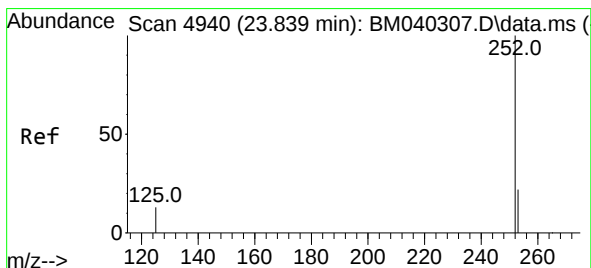
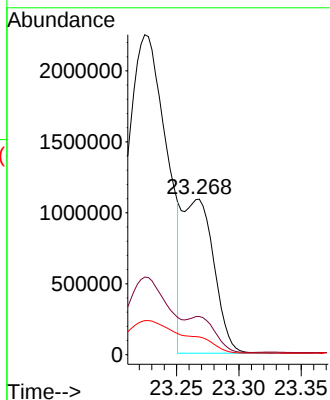
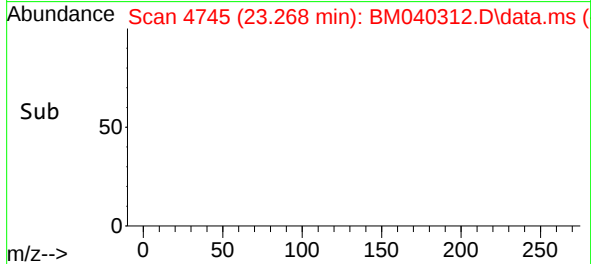
Instrument :
BNA_M
ClientSampleId :
DCFJ3



Tgt Ion:252 Resp: 1927948
Ion Ratio Lower Upper
252 100
253 24.5 21.5 32.3
125 11.4 14.7 22.1

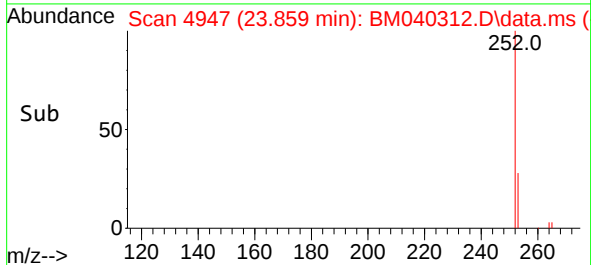
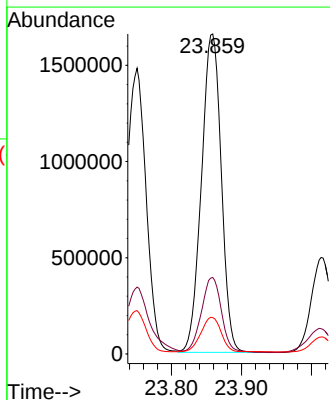
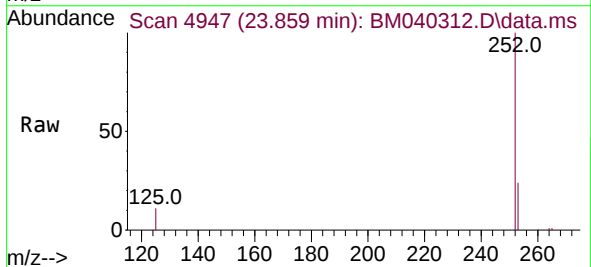
Manual Integrations
APPROVED

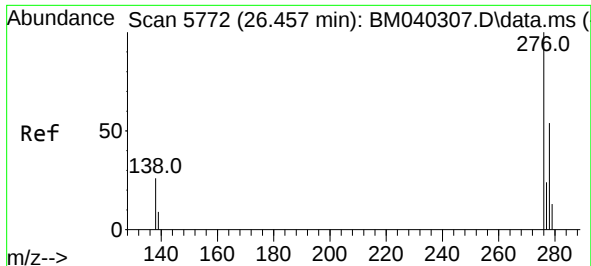
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023



#26
Benzo(a)pyrene
Concen: 31.786 ng/ul
RT: 23.859 min Scan# 4947
Delta R.T. 0.009 min
Lab File: BM040312.D
Acq: 19 Jun 2023 13:38

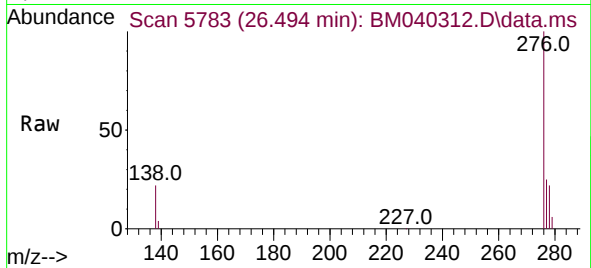
Tgt Ion:252 Resp: 3253084
Ion Ratio Lower Upper
252 100
253 23.9 23.4 35.0
125 11.4 19.7 29.5





#27
Indeno(1,2,3-cd)pyrene
Concen: 25.328 ng/ul
RT: 26.494 min Scan# 5783
Delta R.T. 0.017 min
Lab File: BM040312.D
Acq: 19 Jun 2023 13:38

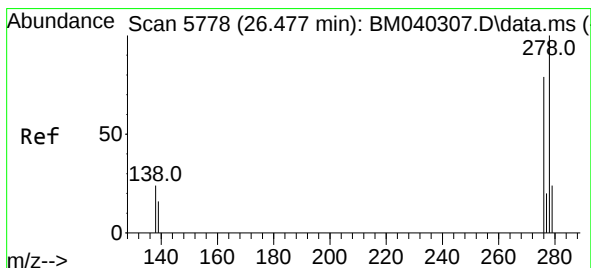
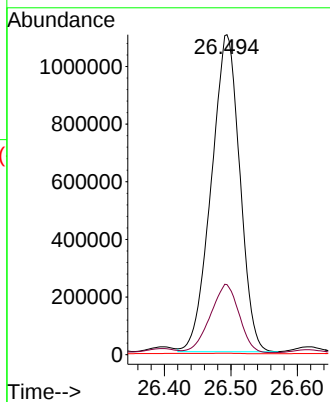
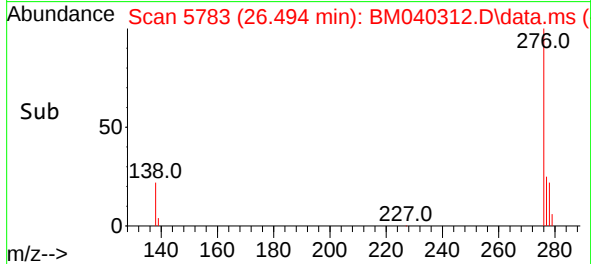
Instrument :
BNA_M
ClientSampleId :
DCFJ3



Tgt Ion:276 Resp: 3281300
Ion Ratio Lower Upper
276 100
138 21.7 23.3 34.9
227 0.3 0.1 0.1

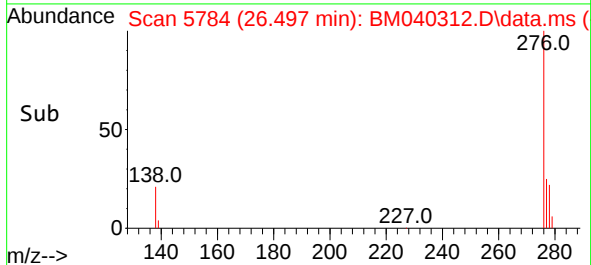
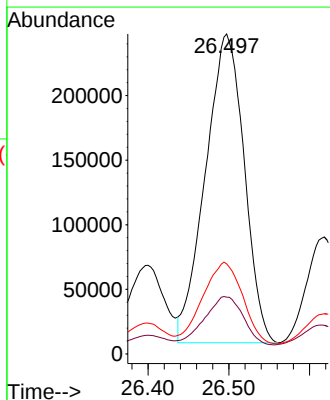
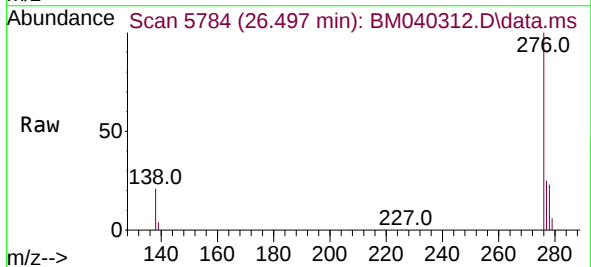
Manual Integrations
APPROVED

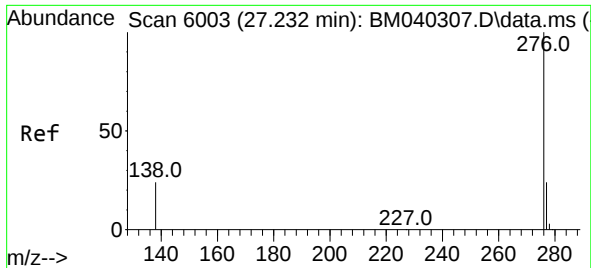
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023



#28
Dibenzo(a,h)anthracene
Concen: 7.660 ng/ul
RT: 26.497 min Scan# 5784
Delta R.T. -0.000 min
Lab File: BM040312.D
Acq: 19 Jun 2023 13:38

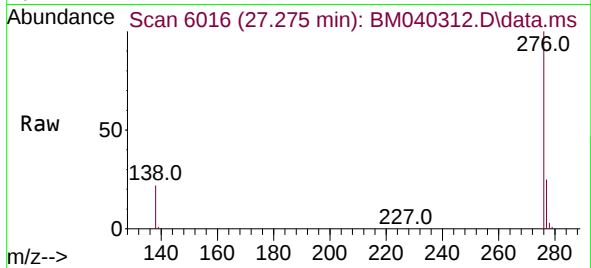
Tgt Ion:278 Resp: 796555
Ion Ratio Lower Upper
278 100
139 17.7 16.4 24.6
279 28.2 21.8 32.8





#29
Benzo(g,h,i)perylene
Concen: 29.076 ng/ul
RT: 27.275 min Scan# 6016
Delta R.T. 0.020 min
Lab File: BM040312.D
Acq: 19 Jun 2023 13:38

Instrument :
BNA_M
ClientSampleId :
DCFJ3



Tgt Ion:276 Resp: 314614
Ion Ratio Lower Upper
276 100
138 22.3 21.0 31.4
277 24.7 19.6 29.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023

