

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061923\
 Data File : BM040313.D
 Acq On : 19 Jun 2023 14:15
 Operator : MA/JU
 Sample : 03080-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFJ4

Manual Integrations
 APPROVED

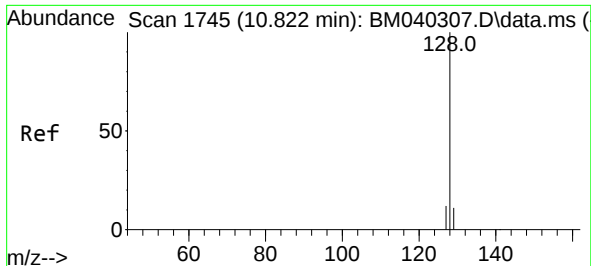
Reviewed By :Yogesh Patel 06/21/2023
 Supervised By :mohammad ahmed 06/21/2023

Quant Time: Jun 20 00:13:05 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)

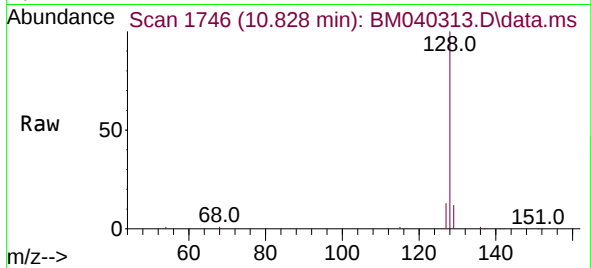
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.966	152	6112	0.400	ng/ul	0.00
4) Naphthalene-d8	10.778	136	23503	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.605	164	14324	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.349	188	29761	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.532	240	23067	0.400	ng/ul	# 0.00
23) Perylene-d12	23.961	264	31445	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.342	96	30114	3.990	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.362	152	8700	0.292	ng/ul	-0.01
18) Fluoranthene-d10	19.375	212	19584	0.340	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.828	128	63945	1.148	ng/ul	100
7) 2-Methylnaphthalene	12.439	142	29037	0.839	ng/ul	100
8) 1-Methylnaphthalene	12.653	142	23037	0.636	ng/ul	100
10) Acenaphthylene	14.327	152	145708	2.908	ng/ul	99
11) Acenaphthene	14.670	153	57623	1.341	ng/ul	99
12) Fluorene	15.655	166	51536	1.077	ng/ul	99
14) Pentachlorophenol	17.003	266	348	0.057	ng/ul	91
15) Phenanthrene	17.391	178	1584042	20.243	ng/ul	99
16) Anthracene	17.484	178	325827	4.915	ng/ul	99
19) Fluoranthene	19.407	202	4355176	55.427	ng/ul	98
20) Pyrene	19.770	202	3949182	48.374	ng/ul	98
21) Benzo(a)anthracene	21.515	228	2252600	33.085	ng/ul	98
22) Chrysene	21.570	228	2251010	31.297	ng/ul	97
24) Benzo(b)fluoranthene	23.222	252	3816736	32.926	ng/ul	90
25) Benzo(k)fluoranthene	23.266	252	1128770m	10.340	ng/ul	
26) Benzo(a)pyrene	23.856	252	2486306	26.138	ng/ul#	83
27) Indeno(1,2,3-cd)pyrene	26.487	276	2153542	17.886	ng/ul#	86
28) Dibenzo(a,h)anthracene	26.494	278	535576	5.541	ng/ul	97
29) Benzo(g,h,i)perylene	27.266	276	2021308	20.099	ng/ul	96

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



#5
Naphthalene
Concen: 1.148 ng/ul
RT: 10.828 min Scan# 1745
Delta R.T. -0.005 min
Lab File: BM040313.D
Acq: 19 Jun 2023 14:15

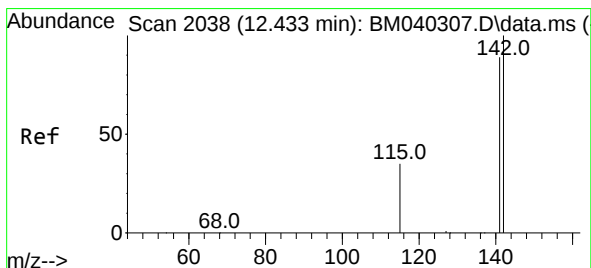
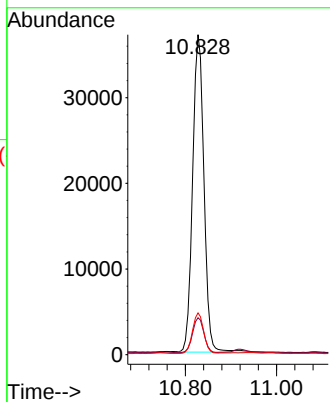
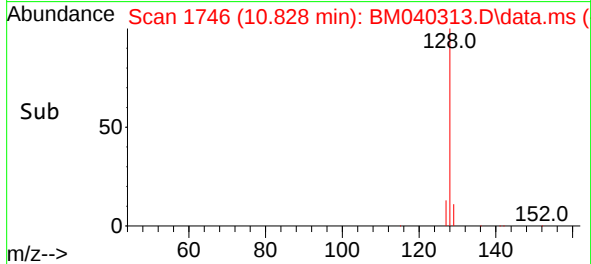
Instrument :
BNA_M
ClientSampleId :
DCFJ4



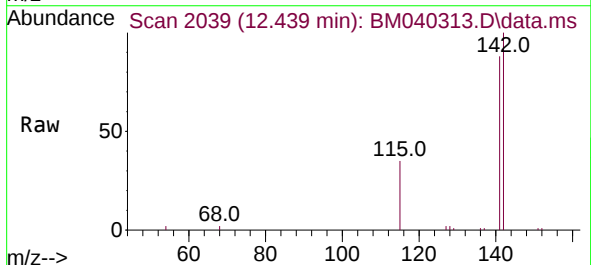
Tgt Ion:128 Resp: 63945
Ion Ratio Lower Upper
128 100
129 11.6 9.1 13.7
127 13.1 10.4 15.6

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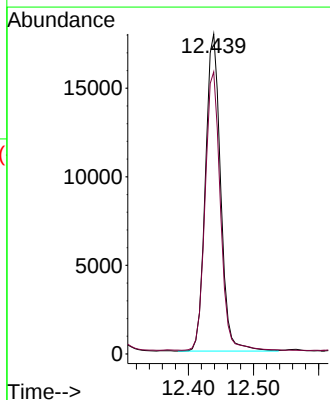
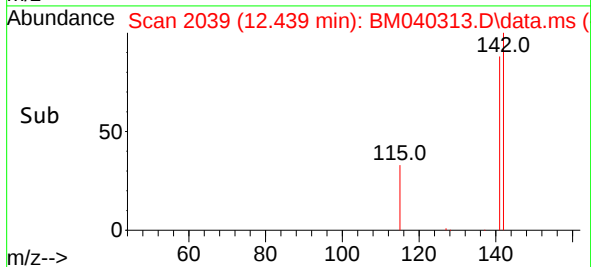
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023

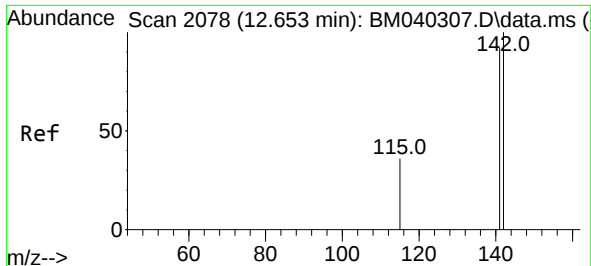


#7
2-Methylnaphthalene
Concen: 0.839 ng/ul
RT: 12.439 min Scan# 2039
Delta R.T. -0.005 min
Lab File: BM040313.D
Acq: 19 Jun 2023 14:15



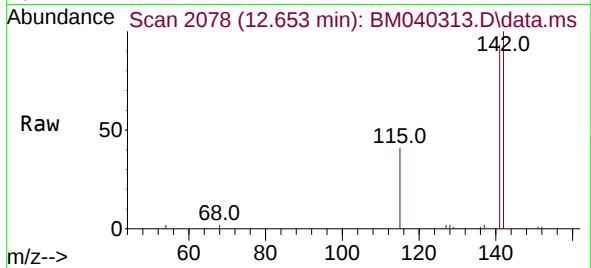
Tgt Ion:142 Resp: 29037
Ion Ratio Lower Upper
142 100
141 88.0 70.6 106.0





#8
1-Methylnaphthalene
Concen: 0.636 ng/ul
RT: 12.653 min Scan# 2078
Delta R.T. -0.011 min
Lab File: BM040313.D
Acq: 19 Jun 2023 14:15

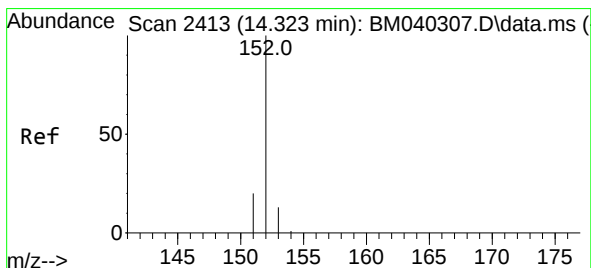
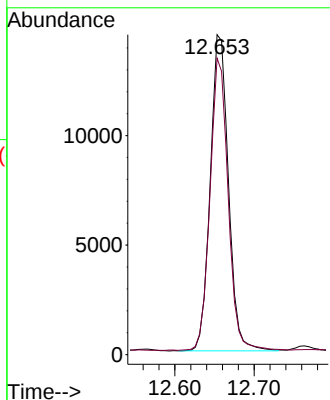
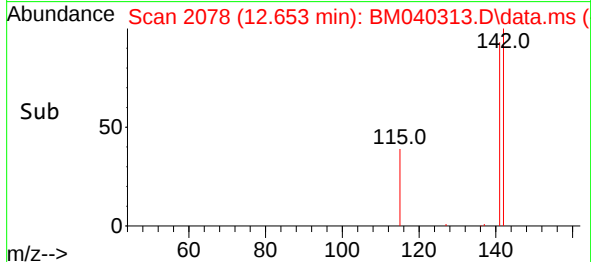
Instrument :
BNA_M
ClientSampleId :
DCFJ4



Tgt Ion:142 Resp: 2303
Ion Ratio Lower Upper
142 100
141 91.6 73.0 109.4

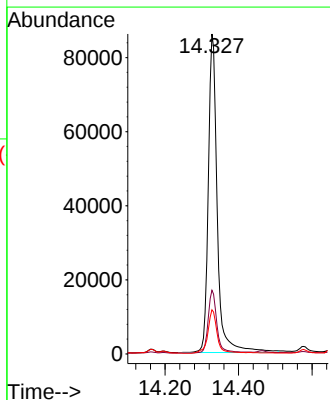
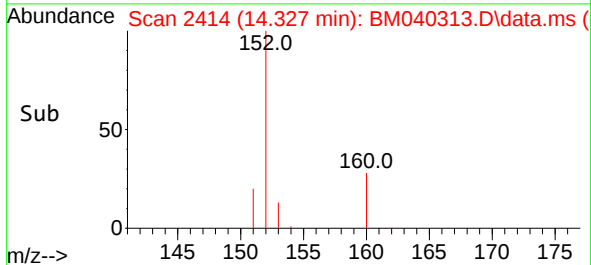
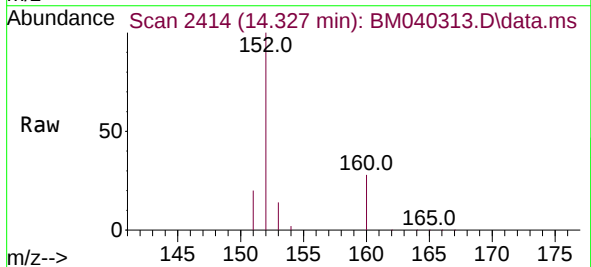
Manual Integrations
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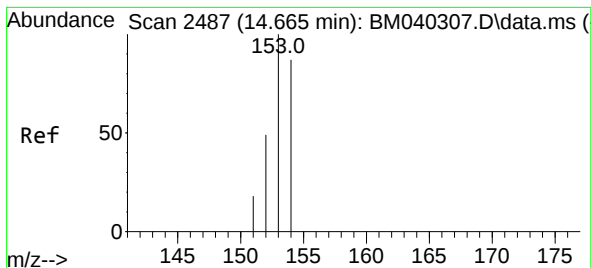
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023



#10
Acenaphthylene
Concen: 2.908 ng/ul
RT: 14.327 min Scan# 2414
Delta R.T. -0.005 min
Lab File: BM040313.D
Acq: 19 Jun 2023 14:15

Tgt Ion:152 Resp: 145708
Ion Ratio Lower Upper
152 100
151 19.9 16.3 24.5
153 13.8 10.7 16.1





#11

Acenaphthene

Concen: 1.341 ng/ul

RT: 14.670 min Scan# 2487

Delta R.T. -0.005 min

Lab File: BM040313.D

Acq: 19 Jun 2023 14:15

Instrument :

BNA_M

ClientSampleId :

DCFJ4

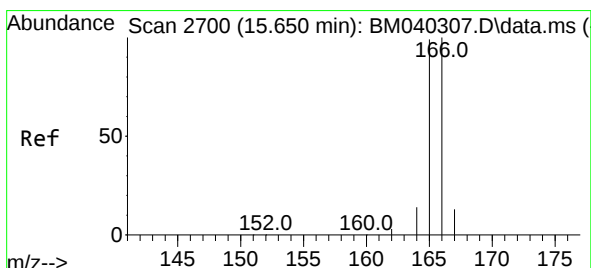
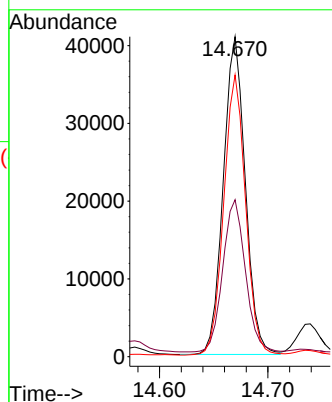
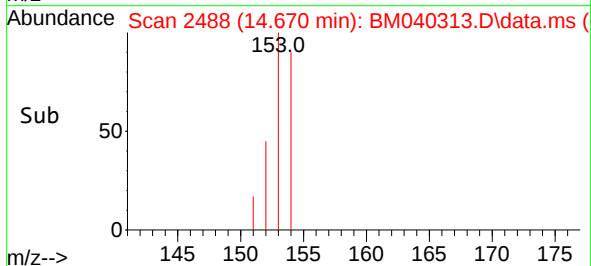
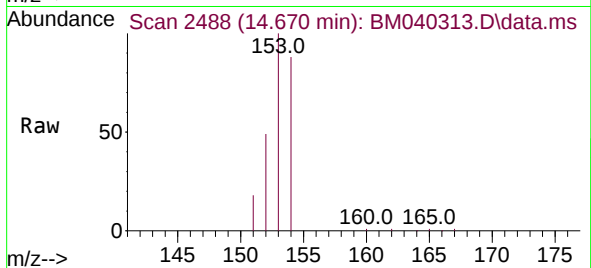
Tgt Ion:153 Resp: 57623
 Ion Ratio Lower Upper
 153 100
 152 49.1 40.3 60.5
 154 88.1 70.5 105.7

Manual Integrations

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Reviewed By :Yogesh Patel 06/21/2023

Supervised By :mohammad ahmed 06/21/2023



#12

Fluorene

Concen: 1.077 ng/ul

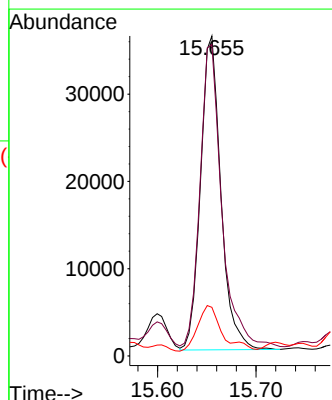
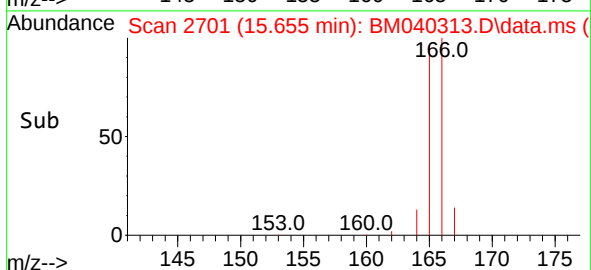
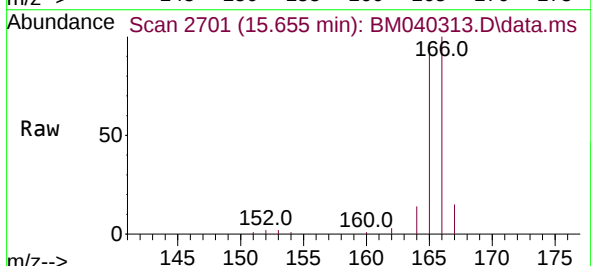
RT: 15.655 min Scan# 2701

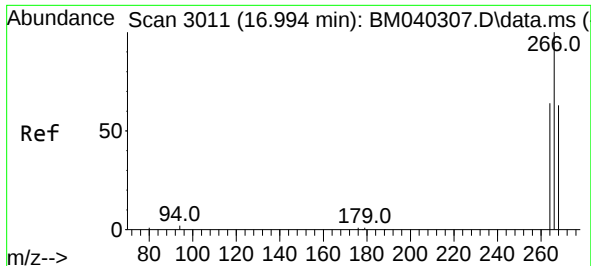
Delta R.T. -0.005 min

Lab File: BM040313.D

Acq: 19 Jun 2023 14:15

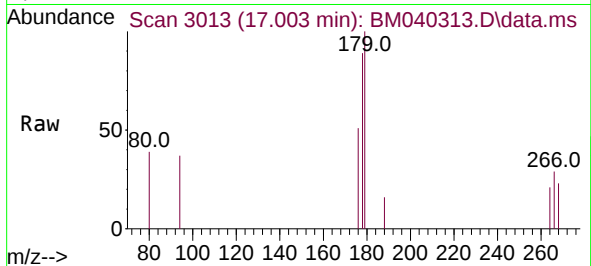
Tgt Ion:166 Resp: 51536
 Ion Ratio Lower Upper
 166 100
 165 97.3 78.2 117.4
 167 15.2 11.0 16.4





#14
Pentachlorophenol
Concen: 0.057 ng/u1
RT: 17.003 min Scan# 3011
Delta R.T. -0.004 min
Lab File: BM040313.D
Acq: 19 Jun 2023 14:15

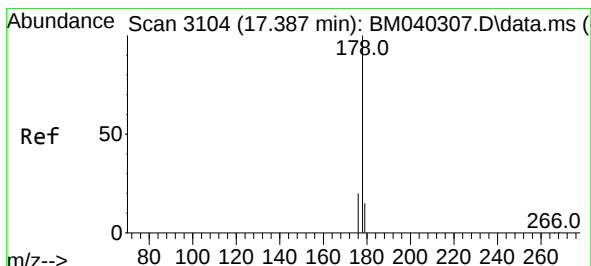
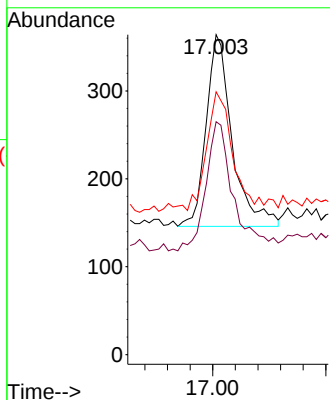
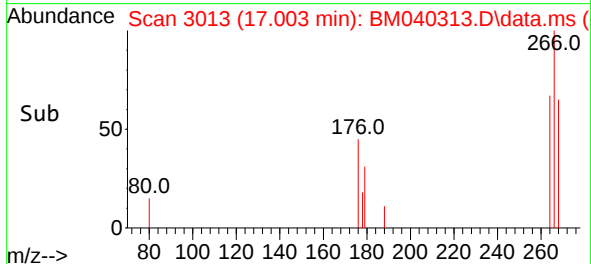
Instrument :
BNA_M
ClientSampleId :
DCFJ4



Tgt Ion:266 Resp: 348
Ion Ratio Lower Upper
266 100
264 72.1 49.4 74.0
268 59.8 51.3 76.9

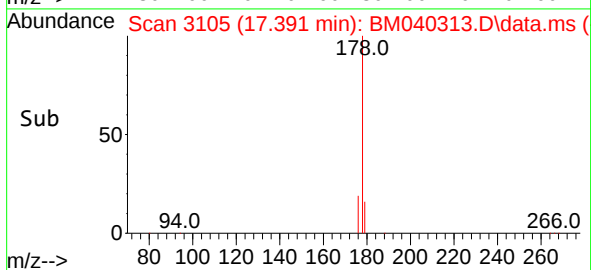
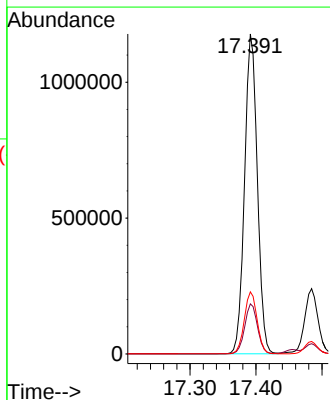
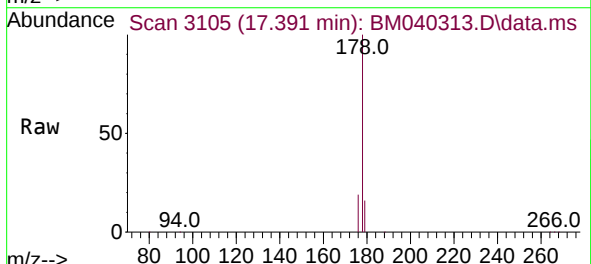
Manual Integrations
APPROVED

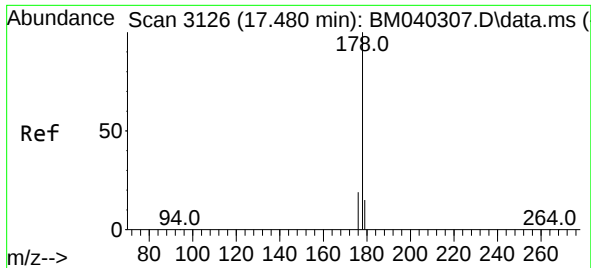
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023



#15
Phenanthrene
Concen: 20.243 ng/u1
RT: 17.391 min Scan# 3105
Delta R.T. -0.004 min
Lab File: BM040313.D
Acq: 19 Jun 2023 14:15

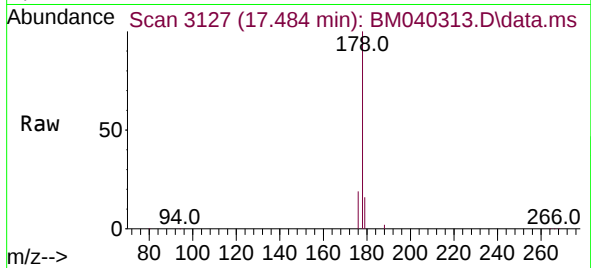
Tgt Ion:178 Resp: 1584042
Ion Ratio Lower Upper
178 100
179 15.7 12.6 19.0
176 19.4 16.1 24.1





#16
 Anthracene
 Concen: 4.915 ng/ul
 RT: 17.484 min Scan# 3126
 Delta R.T. -0.004 min
 Lab File: BM040313.D
 Acq: 19 Jun 2023 14:15

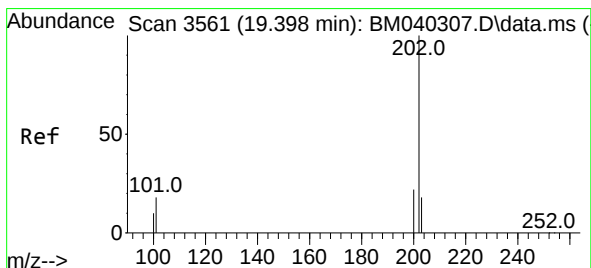
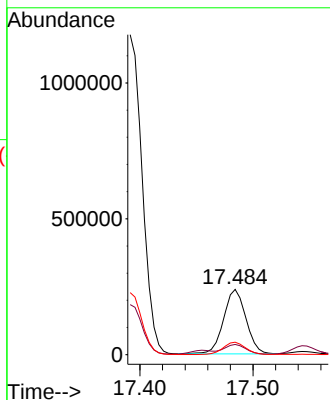
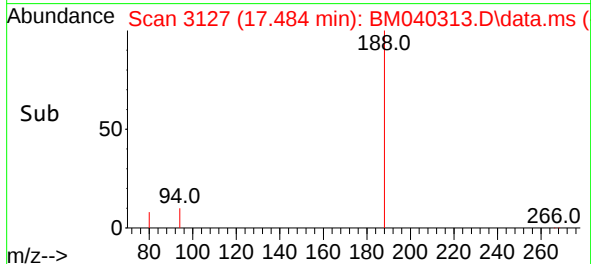
Instrument :
 BNA_M
 ClientSampleId :
 DCFJ4



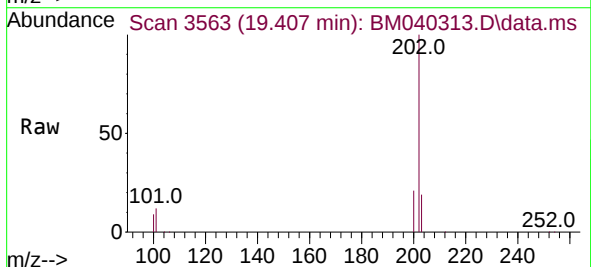
Tgt Ion:178 Resp: 325827
 Ion Ratio Lower Upper
 178 100
 179 15.8 13.0 19.4
 176 19.0 15.5 23.3

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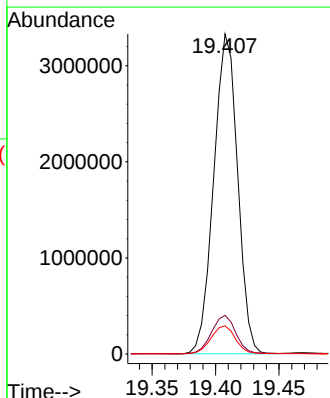
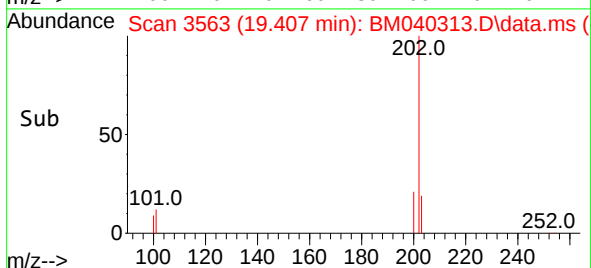
Reviewed By :Yogesh Patel 06/21/2023
 Supervised By :mohammad ahmed 06/21/2023

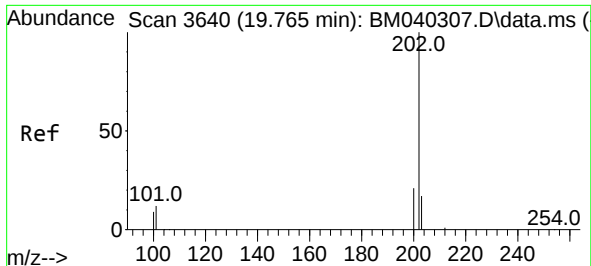


#19
 Fluoranthene
 Concen: 55.427 ng/ul
 RT: 19.407 min Scan# 3563
 Delta R.T. 0.000 min
 Lab File: BM040313.D
 Acq: 19 Jun 2023 14:15



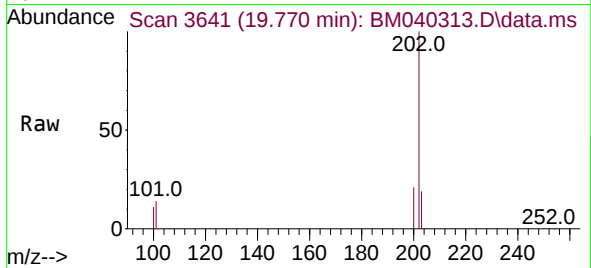
Tgt Ion:202 Resp: 4355176
 Ion Ratio Lower Upper
 202 100
 101 12.0 10.2 15.4
 100 8.8 7.6 11.4





#20
Pyrene
Concen: 48.374 ng/ul
RT: 19.770 min Scan# 3641
Delta R.T. 0.000 min
Lab File: BM040313.D
Acq: 19 Jun 2023 14:15

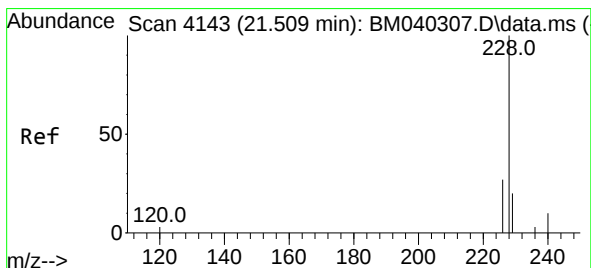
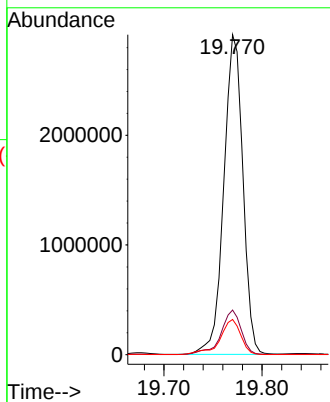
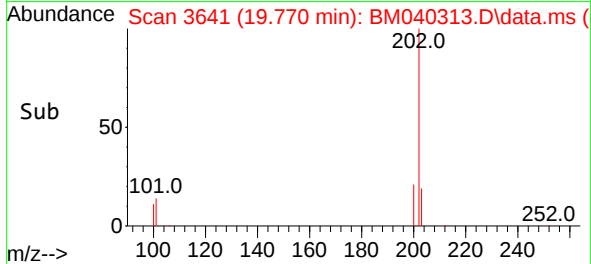
Instrument :
BNA_M
ClientSampleId :
DCFJ4



Tgt Ion:202 Resp: 394918
Ion Ratio Lower Upper
202 100
101 14.0 11.8 17.8
100 11.0 9.3 13.9

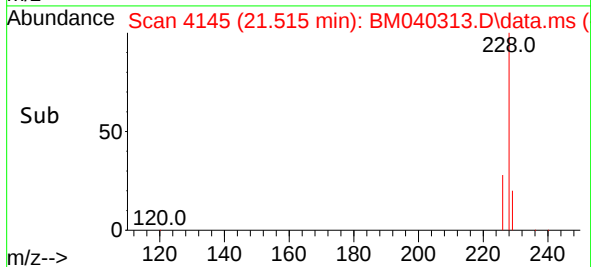
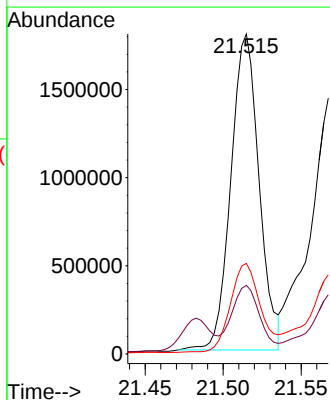
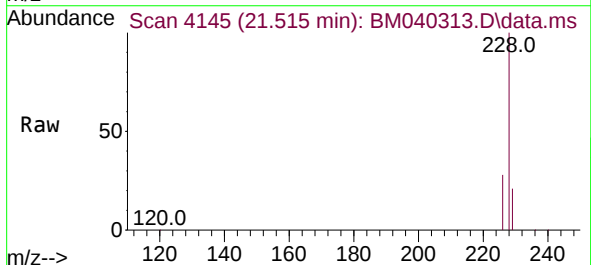
Manual Integrations
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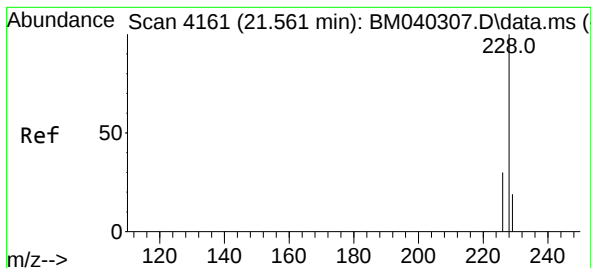
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023



#21
Benzo(a)anthracene
Concen: 33.085 ng/ul
RT: 21.515 min Scan# 4145
Delta R.T. 0.000 min
Lab File: BM040313.D
Acq: 19 Jun 2023 14:15

Tgt Ion:228 Resp: 2252600
Ion Ratio Lower Upper
228 100
229 21.4 15.8 23.8
226 28.3 22.0 33.0





#22

Chrysene

Concen: 31.297 ng/ul

RT: 21.570 min Scan# 4164

Delta R.T. 0.000 min

Lab File: BM040313.D

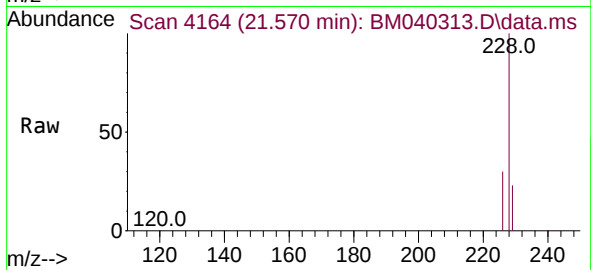
Acq: 19 Jun 2023 14:15

Instrument :

BNA_M

ClientSampleId :

DCFJ4



Tgt Ion:228 Resp: 2251010

Ion Ratio Lower Upper

228 100

226 30.4 24.3 36.5

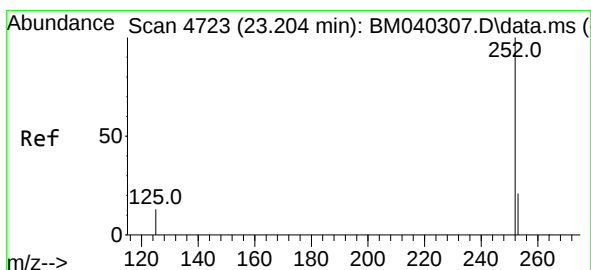
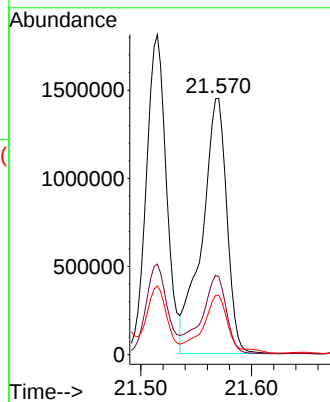
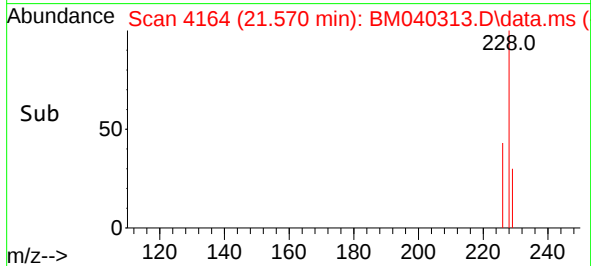
229 23.2 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/21/2023

Supervised By :mohammad ahmed 06/21/2023



#24

Benzo(b)fluoranthene

Concen: 32.926 ng/ul

RT: 23.222 min Scan# 4729

Delta R.T. 0.006 min

Lab File: BM040313.D

Acq: 19 Jun 2023 14:15

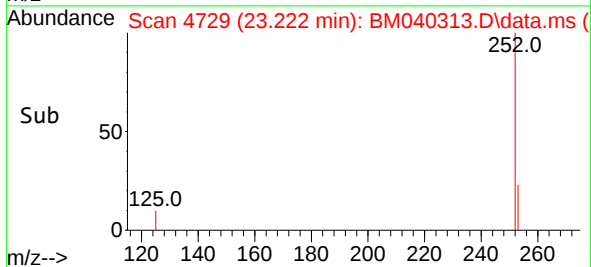
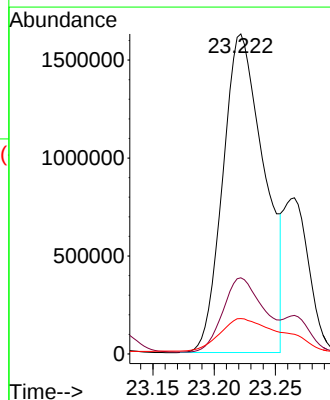
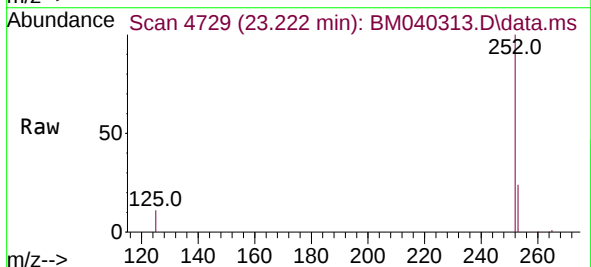
Tgt Ion:252 Resp: 3816736

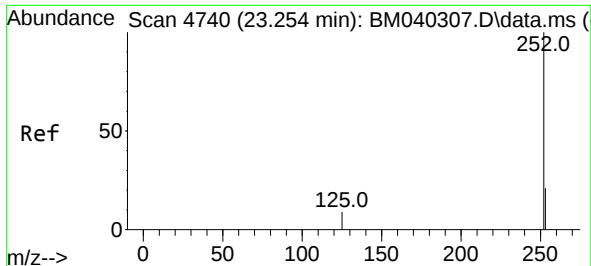
Ion Ratio Lower Upper

252 100

253 23.8 0.0 52.4

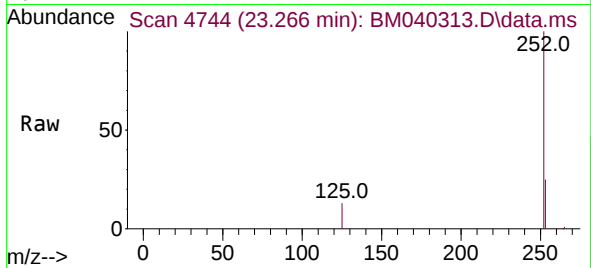
125 11.1 0.0 38.4





#25
Benzo(k)fluoranthene
Concen: 10.340 ng/ul m
RT: 23.266 min Scan# 4740
Delta R.T. 0.000 min
Lab File: BM040313.D
Acq: 19 Jun 2023 14:15

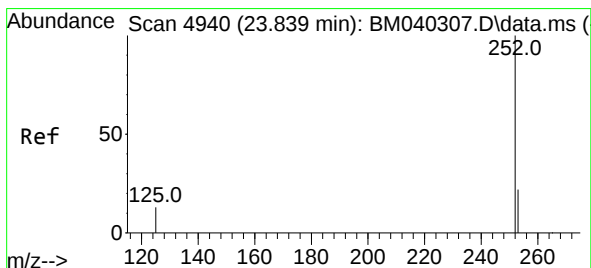
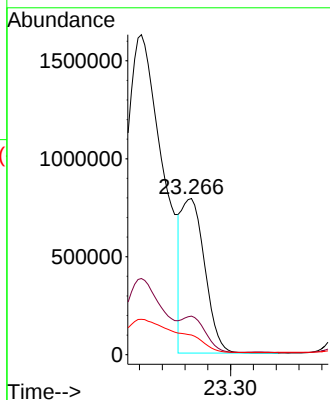
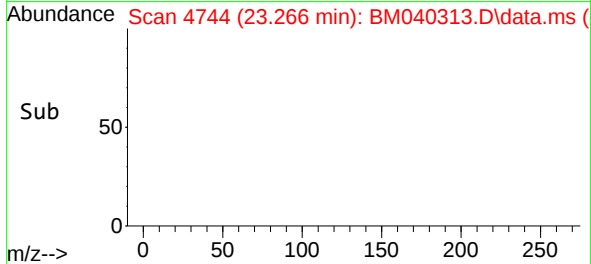
Instrument :
BNA_M
ClientSampleId :
DCFJ4



Tgt Ion:252 Resp: 1128770
Ion Ratio Lower Upper
252 100
253 24.6 21.5 32.3
125 12.6 14.7 22.1

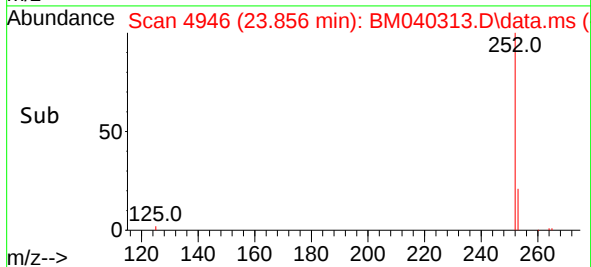
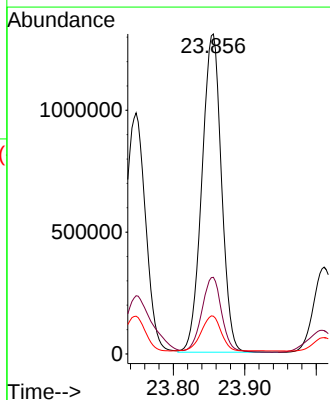
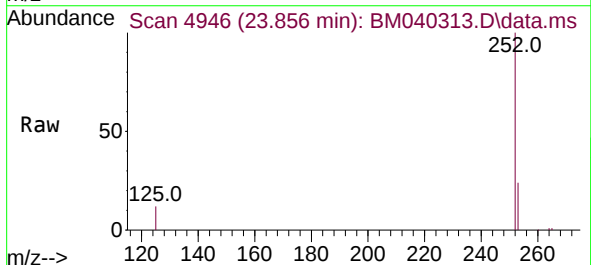
Manual Integrations
APPROVED

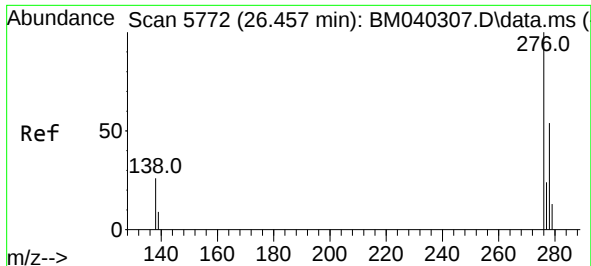
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023



#26
Benzo(a)pyrene
Concen: 26.138 ng/ul
RT: 23.856 min Scan# 4946
Delta R.T. 0.006 min
Lab File: BM040313.D
Acq: 19 Jun 2023 14:15

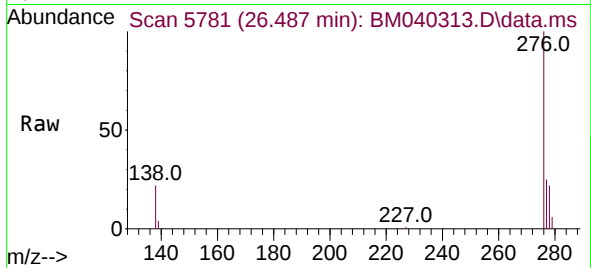
Tgt Ion:252 Resp: 2486306
Ion Ratio Lower Upper
252 100
253 23.9 23.4 35.0
125 11.8 19.7 29.5





#27
Indeno(1,2,3-cd)pyrene
Concen: 17.886 ng/ul
RT: 26.487 min Scan# 5781
Delta R.T. 0.010 min
Lab File: BM040313.D
Acq: 19 Jun 2023 14:15

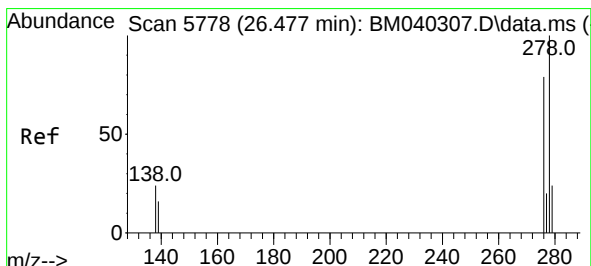
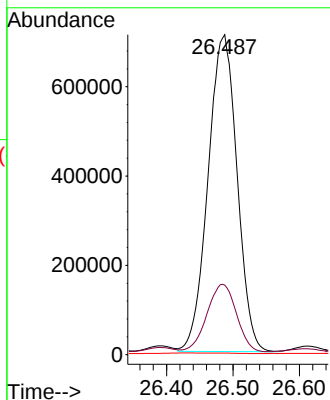
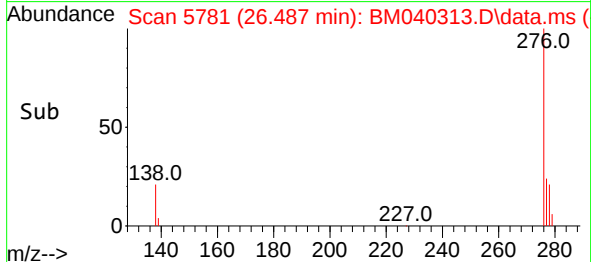
Instrument :
BNA_M
ClientSampleId :
DCFJ4



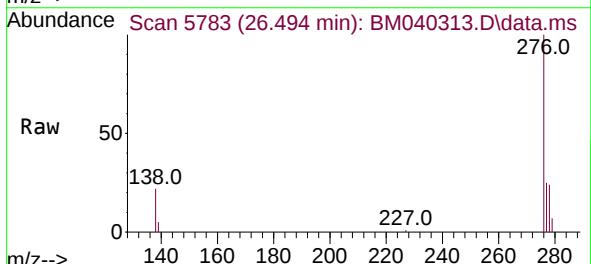
Tgt Ion:276 Resp: 215354
Ion Ratio Lower Upper
276 100
138 21.6 23.3 34.9
227 0.0 0.1 0.1

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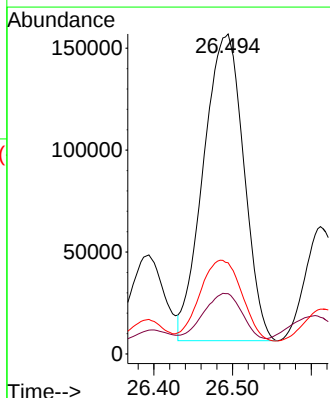
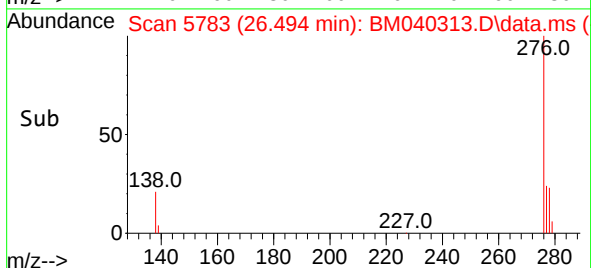
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023

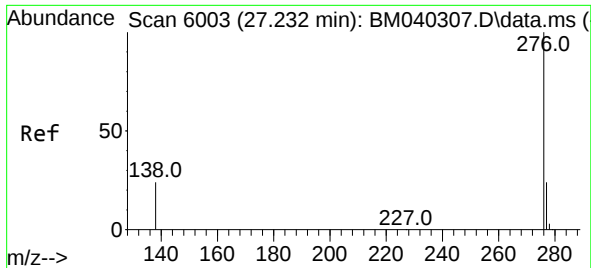


#28
Dibenzo(a,h)anthracene
Concen: 5.541 ng/ul
RT: 26.494 min Scan# 5783
Delta R.T. -0.003 min
Lab File: BM040313.D
Acq: 19 Jun 2023 14:15



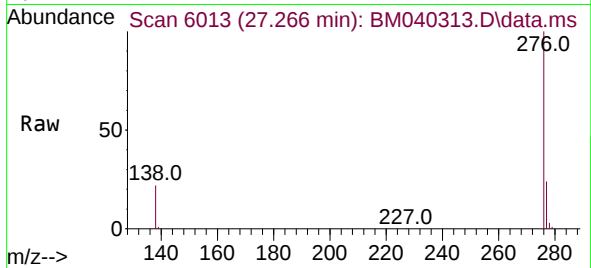
Tgt Ion:278 Resp: 535576
Ion Ratio Lower Upper
278 100
139 18.8 16.4 24.6
279 28.5 21.8 32.8





#29
Benzo(g,h,i)perylene
Concen: 20.099 ng/ul
RT: 27.266 min Scan# 6013
Delta R.T. 0.010 min
Lab File: BM040313.D
Acq: 19 Jun 2023 14:15

Instrument :
BNA_M
ClientSampleId :
DCFJ4



Tgt Ion:276 Resp: 2021308
Ion Ratio Lower Upper
276 100
138 22.4 21.0 31.4
277 24.4 19.6 29.4

Manual Integrations
APPROVED

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

