

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061523\
 Data File : BM040258.D
 Acq On : 15 Jun 2023 14:20
 Operator : MA/JU
 Sample : 03088-03MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFQ9MSD

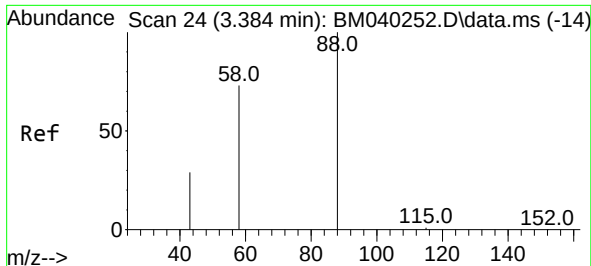
Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/16/2023
 Supervised By :mohammad ahmed 06/16/2023

Quant Time: Jun 15 23:42:26 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

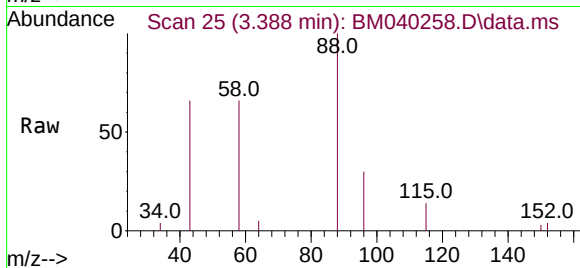
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.974	152	9063	0.400	ng/ul	0.00
4) Naphthalene-d8	10.784	136	32534	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.609	164	15658	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.353	188	29242	0.400	ng/ul	0.00
17) Chrysene-d12	21.529	240	19045	0.400	ng/ul	# 0.00
23) Perylene-d12	23.953	264	18911	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.350	96	2259	0.202	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.367	152	4868	0.118	ng/ul	0.00
18) Fluoranthene-d10	19.375	212	7284	0.153	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.388	88	5325	0.453	ng/ul#	65
5) Naphthalene	10.833	128	12006	0.156	ng/ul	97
7) 2-Methylnaphthalene	12.439	142	7437	0.155	ng/ul	98
8) 1-Methylnaphthalene	12.659	142	7062	0.141	ng/ul	98
10) Acenaphthylene	14.332	152	10356	0.189	ng/ul	97
11) Acenaphthene	14.670	153	7449	0.159	ng/ul	99
12) Fluorene	15.655	166	7847	0.150	ng/ul	98
14) Pentachlorophenol	17.003	266	1005	0.168	ng/ul	97
15) Phenanthrene	17.391	178	50077	0.651	ng/ul	100
16) Anthracene	17.484	178	14427	0.221	ng/ul	97
19) Fluoranthene	19.403	202	170583	2.629	ng/ul	99
20) Pyrene	19.765	202	116142	1.723	ng/ul	98
21) Benzo(a)anthracene	21.512	228	80781	1.437	ng/ul	99
22) Chrysene	21.564	228	90626	1.526	ng/ul	98
24) Benzo(b)fluoranthene	23.213	252	135857	1.949	ng/ul	97
25) Benzo(k)fluoranthene	23.260	252	57743m	0.880	ng/ul	
26) Benzo(a)pyrene	23.844	252	63192	1.105	ng/ul	94
27) Indeno(1,2,3-cd)pyrene	26.464	276	62046	0.857	ng/ul#	96
28) Dibenzo(a,h)anthracene	26.484	278	23309	0.401	ng/ul#	92
29) Benzo(g,h,i)perylene	27.239	276	57356	0.948	ng/ul	98

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



#2
1,4-Dioxane
Concen: 0.453 ng/ul
RT: 3.388 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM040258.D
Acq: 15 Jun 2023 14:20

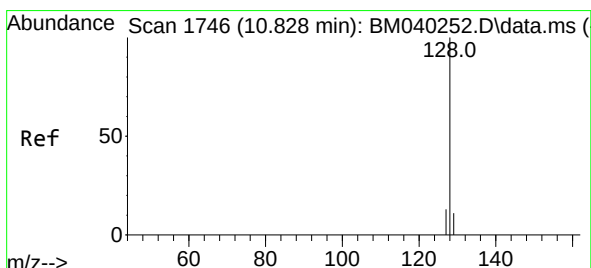
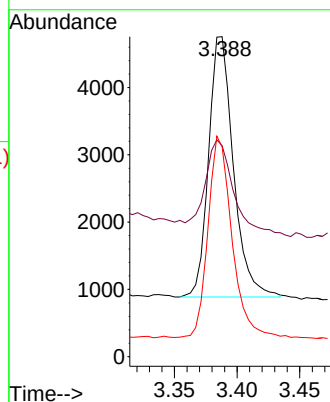
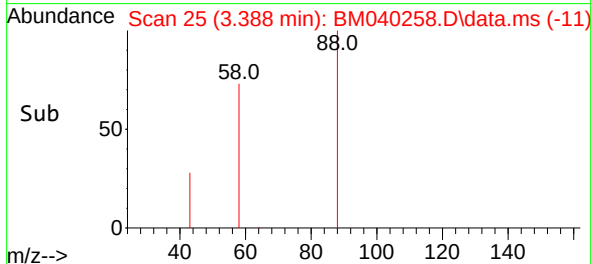
Instrument :
BNA_M
ClientSampleId :
DCFQ9MSD



Tgt Ion: 88 Resp: 532
Ion Ratio Lower Upper
88 100
43 66.0 30.3 45.5
58 65.5 38.8 58.2

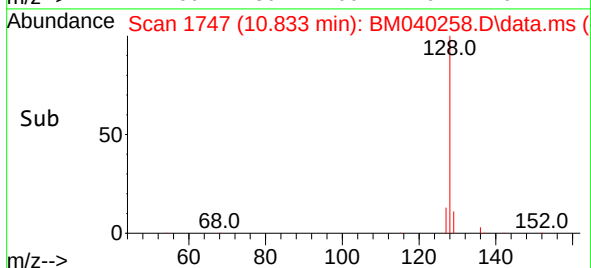
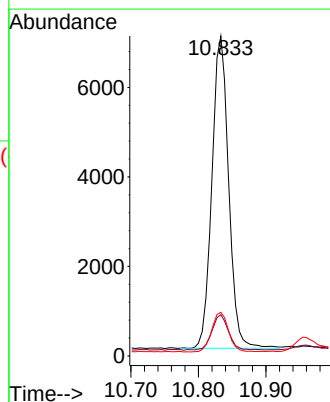
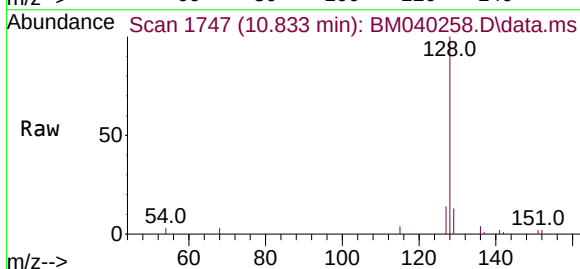
Manual Integrations
APPROVED

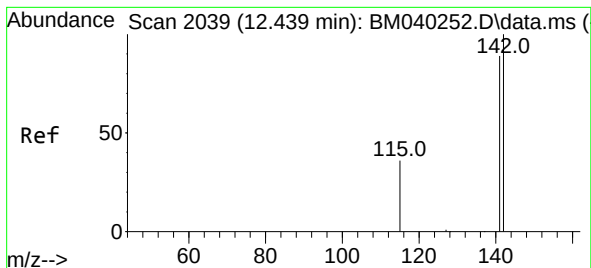
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023



#5
Naphthalene
Concen: 0.156 ng/ul
RT: 10.833 min Scan# 1747
Delta R.T. -0.000 min
Lab File: BM040258.D
Acq: 15 Jun 2023 14:20

Tgt Ion:128 Resp: 12006
Ion Ratio Lower Upper
128 100
129 12.9 9.1 13.7
127 13.6 10.4 15.6





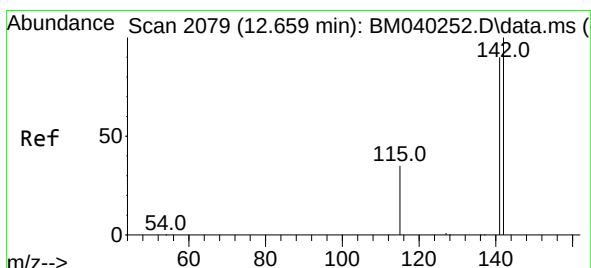
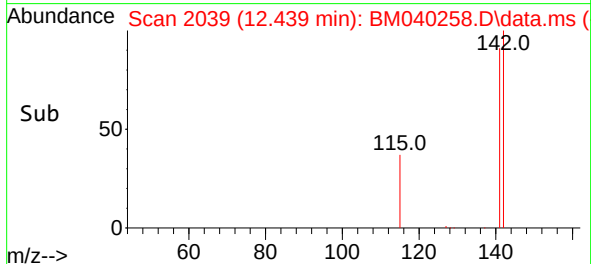
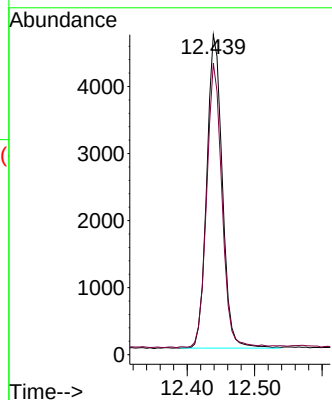
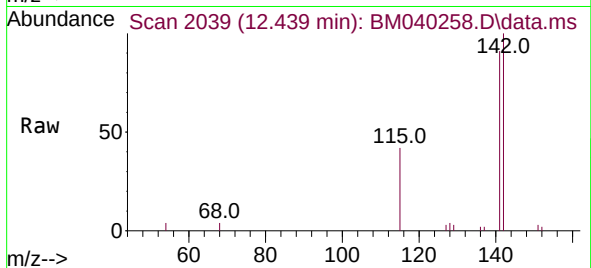
#7
2-Methylnaphthalene
Concen: 0.155 ng/ul
RT: 12.439 min Scan# 2039
Delta R.T. -0.006 min
Lab File: BM040258.D
Acq: 15 Jun 2023 14:20

Instrument :
BNA_M
ClientSampleId :
DCFQ9MSD

Tgt Ion:142 Resp: 743
Ion Ratio Lower Upper
142 100
141 90.5 70.6 106.0

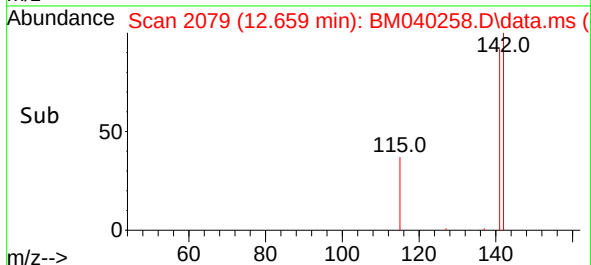
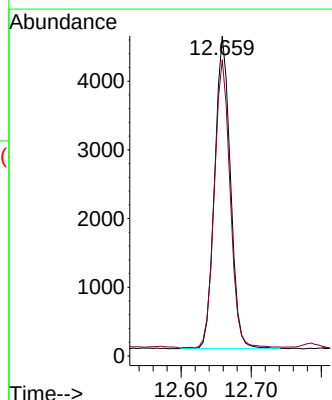
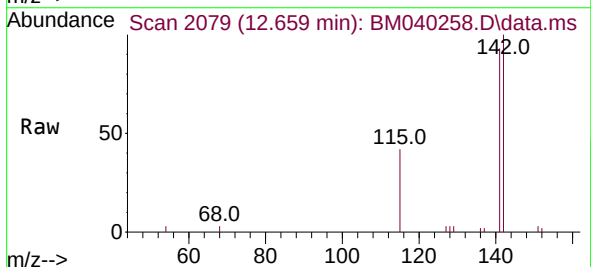
Manual Integrations
APPROVED

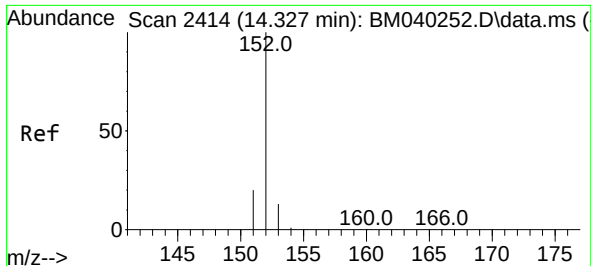
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023



#8
1-Methylnaphthalene
Concen: 0.141 ng/ul
RT: 12.659 min Scan# 2079
Delta R.T. -0.006 min
Lab File: BM040258.D
Acq: 15 Jun 2023 14:20

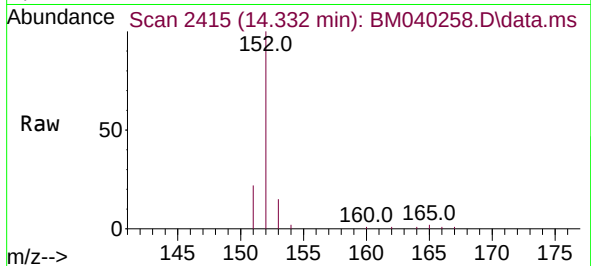
Tgt Ion:142 Resp: 7062
Ion Ratio Lower Upper
142 100
141 93.1 73.0 109.4





#10
Acenaphthylene
Concen: 0.189 ng/ul
RT: 14.332 min Scan# 2415
Delta R.T. -0.000 min
Lab File: BM040258.D
Acq: 15 Jun 2023 14:20

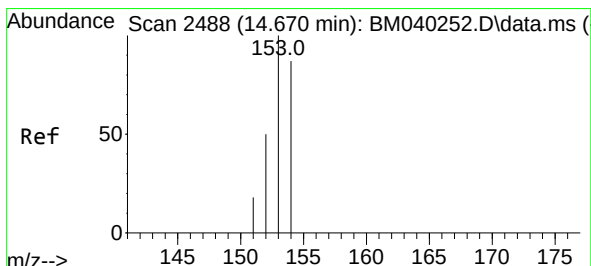
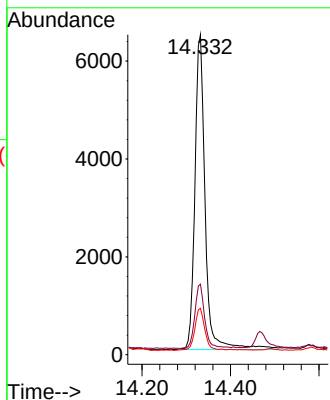
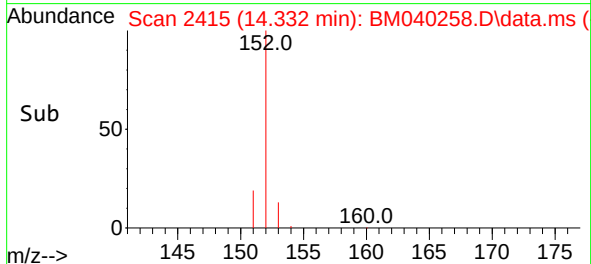
Instrument :
BNA_M
ClientSampleId :
DCFQ9MSD



Tgt Ion:152 Resp: 10350
Ion Ratio Lower Upper
152 100
151 22.1 16.3 24.5
153 14.5 10.7 16.1

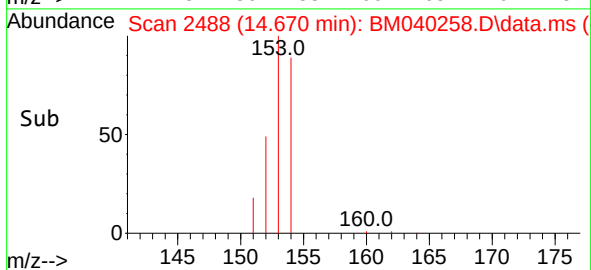
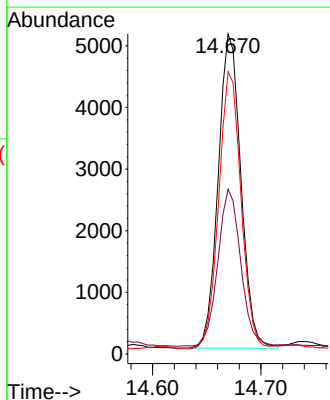
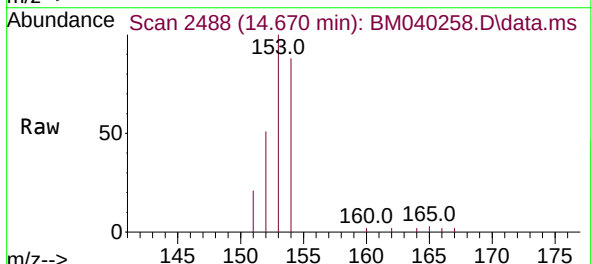
Manual Integrations
APPROVED

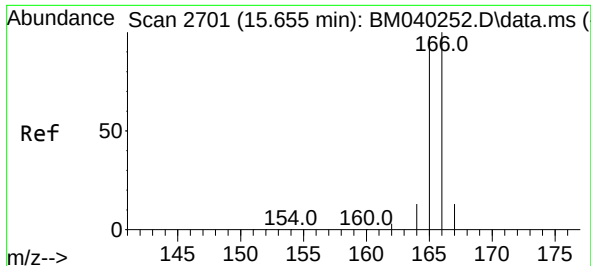
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023



#11
Acenaphthene
Concen: 0.159 ng/ul
RT: 14.670 min Scan# 2488
Delta R.T. -0.005 min
Lab File: BM040258.D
Acq: 15 Jun 2023 14:20

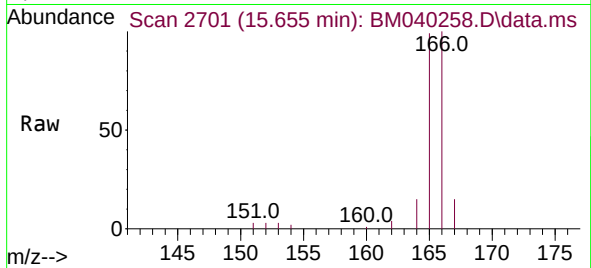
Tgt Ion:153 Resp: 7449
Ion Ratio Lower Upper
153 100
152 51.4 40.3 60.5
154 88.3 70.5 105.7





#12
Fluorene
Concen: 0.150 ng/ul
RT: 15.655 min Scan# 2701
Delta R.T. -0.005 min
Lab File: BM040258.D
Acq: 15 Jun 2023 14:20

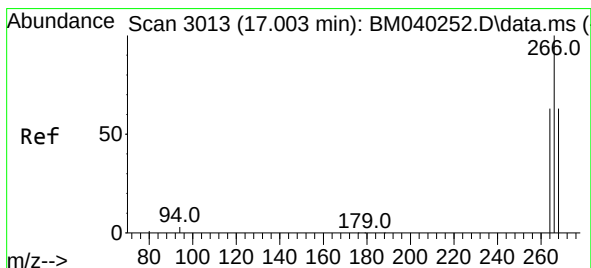
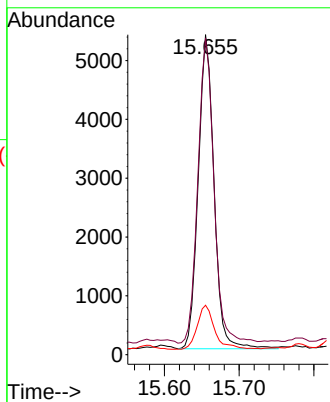
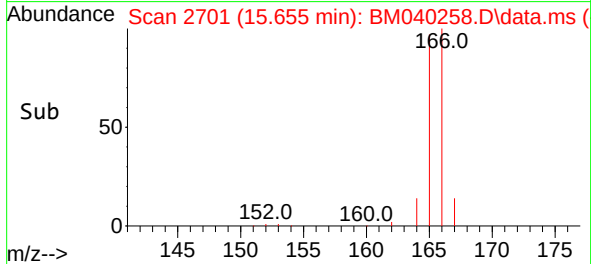
Instrument :
BNA_M
ClientSampleId :
DCFQ9MSD



Tgt Ion:166 Resp: 784
Ion Ratio Lower Upper
166 100
165 99.0 78.2 117.4
167 15.5 11.0 16.4

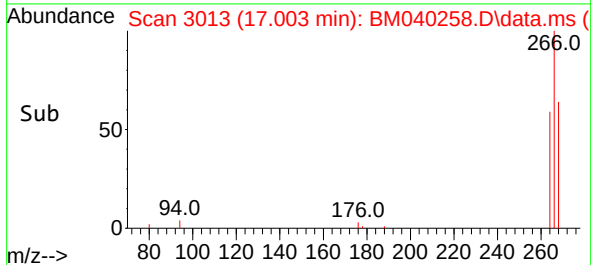
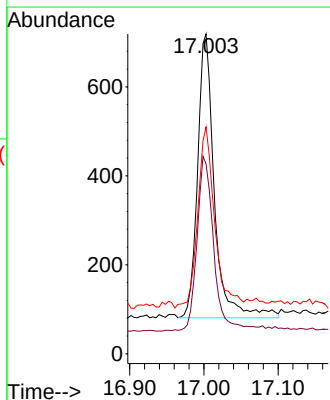
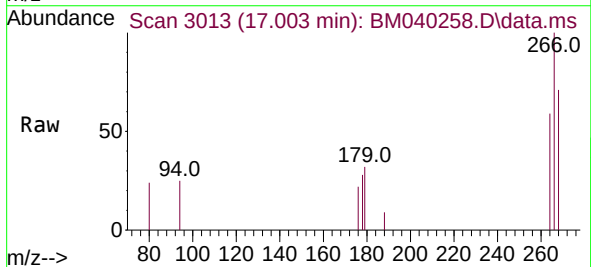
Manual Integrations
APPROVED

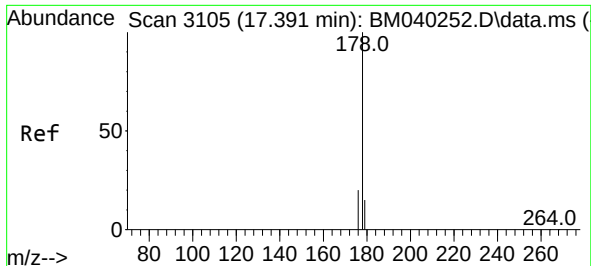
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023



#14
Pentachlorophenol
Concen: 0.168 ng/ul
RT: 17.003 min Scan# 3013
Delta R.T. -0.004 min
Lab File: BM040258.D
Acq: 15 Jun 2023 14:20

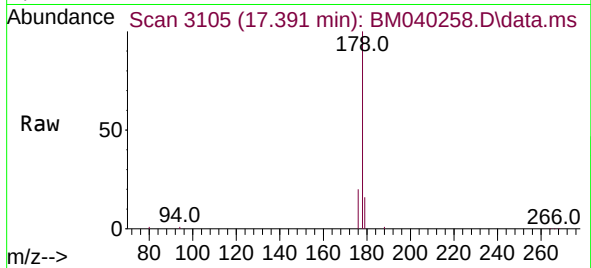
Tgt Ion:266 Resp: 1005
Ion Ratio Lower Upper
266 100
264 62.1 49.4 74.0
268 67.7 51.3 76.9





#15
Phenanthrene
Concen: 0.651 ng/uI
RT: 17.391 min Scan# 3105
Delta R.T. -0.004 min
Lab File: BM040258.D
Acq: 15 Jun 2023 14:20

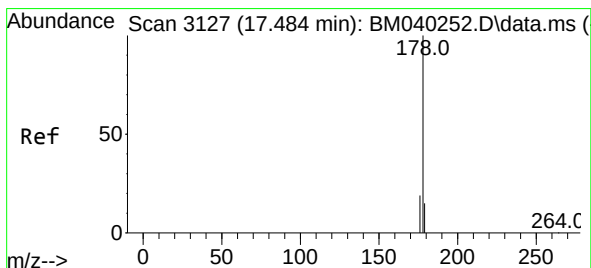
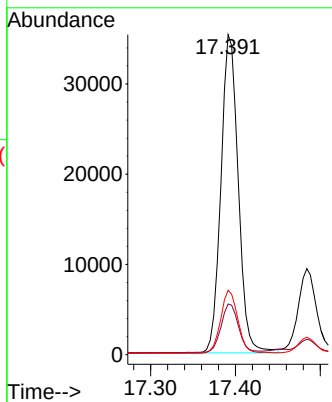
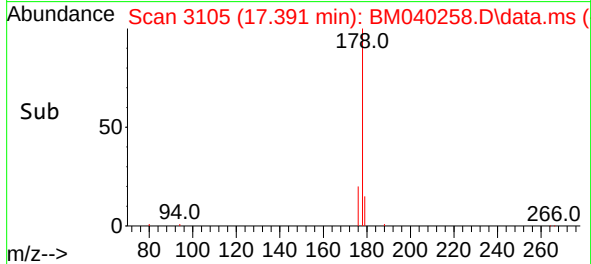
Instrument :
BNA_M
ClientSampleId :
DCFQ9MSD



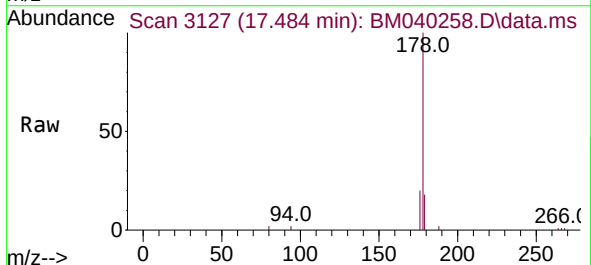
Tgt Ion:178 Resp: 50072
Ion Ratio Lower Upper
178 100
179 15.9 12.6 19.0
176 20.2 16.1 24.1

Manual Integrations
APPROVED

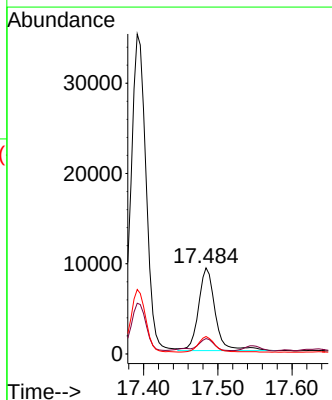
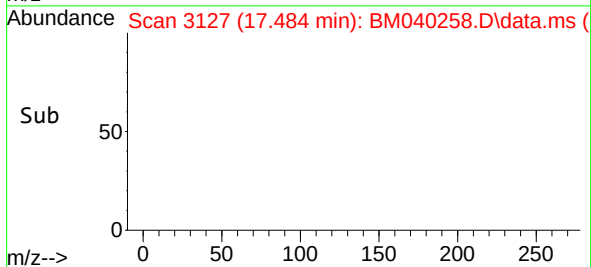
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023

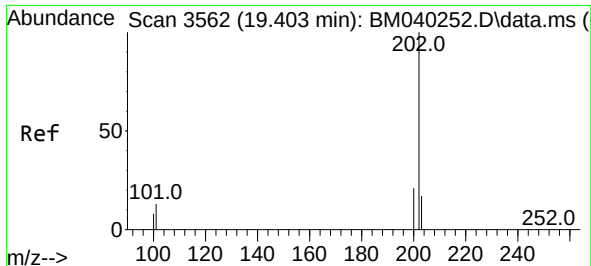


#16
Anthracene
Concen: 0.221 ng/uI
RT: 17.484 min Scan# 3127
Delta R.T. -0.004 min
Lab File: BM040258.D
Acq: 15 Jun 2023 14:20



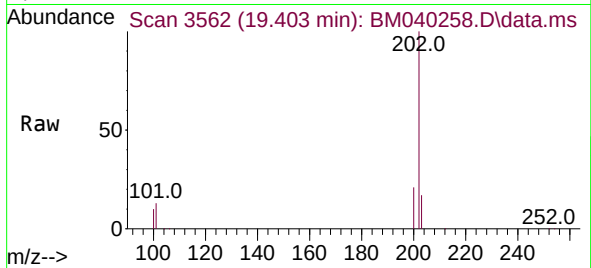
Tgt Ion:178 Resp: 14427
Ion Ratio Lower Upper
178 100
179 17.8 13.0 19.4
176 20.4 15.5 23.3





#19
Fluoranthene
Concen: 2.629 ng/u1
RT: 19.403 min Scan# 3562
Delta R.T. -0.005 min
Lab File: BM040258.D
Acq: 15 Jun 2023 14:20

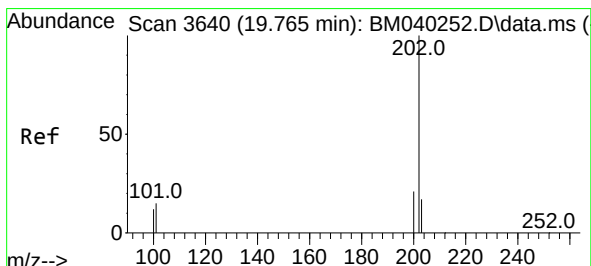
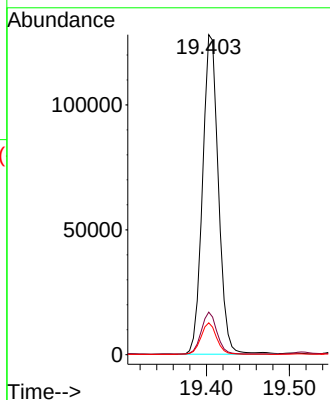
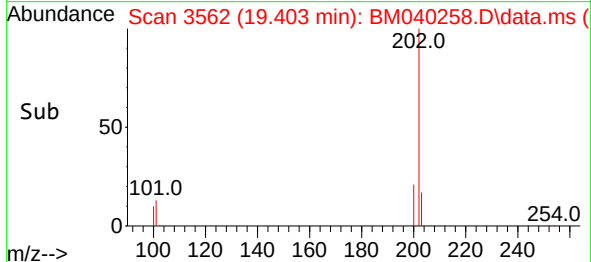
Instrument :
BNA_M
ClientSampleId :
DCFQ9MSD



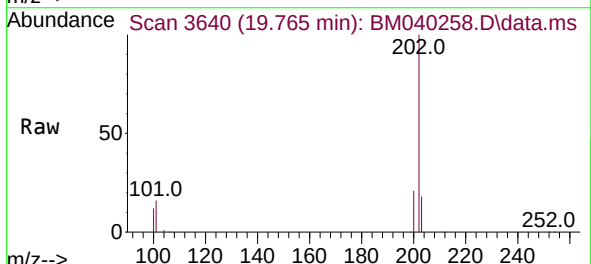
Tgt Ion:202 Resp: 17058
Ion Ratio Lower Upper
202 100
101 13.3 10.2 15.4
100 9.9 7.6 11.4

Manual Integrations
APPROVED

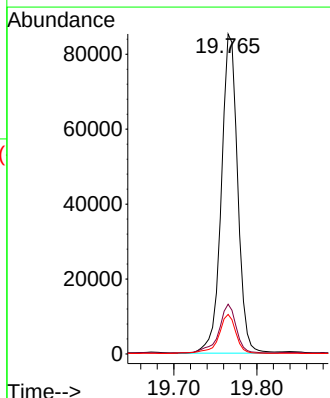
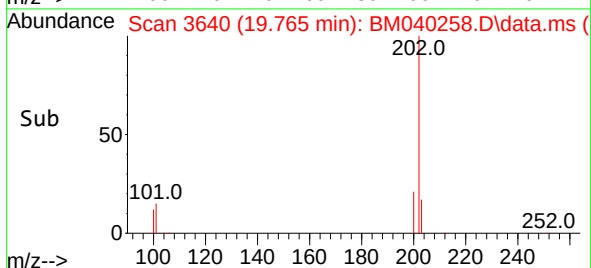
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023

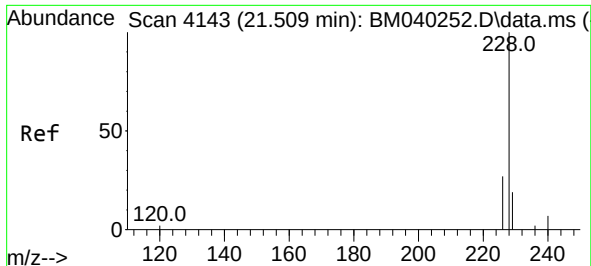


#20
Pyrene
Concen: 1.723 ng/u1
RT: 19.765 min Scan# 3640
Delta R.T. -0.005 min
Lab File: BM040258.D
Acq: 15 Jun 2023 14:20



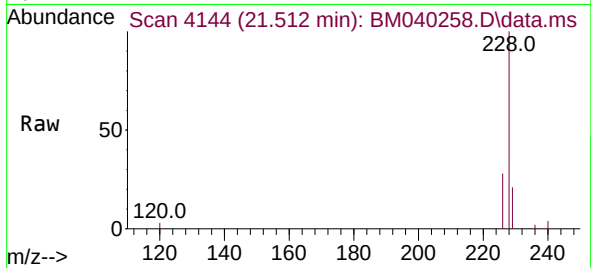
Tgt Ion:202 Resp: 116142
Ion Ratio Lower Upper
202 100
101 15.6 11.8 17.8
100 12.4 9.3 13.9





#21
Benzo(a)anthracene
Concen: 1.437 ng/ul
RT: 21.512 min Scan# 4143
Delta R.T. -0.003 min
Lab File: BM040258.D
Acq: 15 Jun 2023 14:20

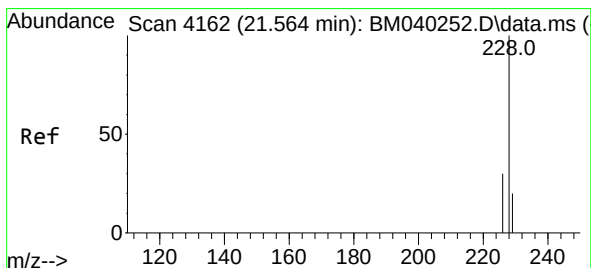
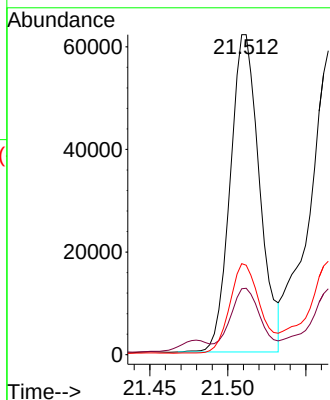
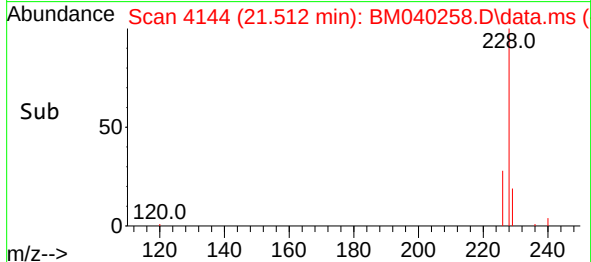
Instrument :
BNA_M
ClientSampleId :
DCFQ9MSD



Tgt Ion:228 Resp: 8078
Ion Ratio Lower Upper
228 100
229 20.8 15.8 23.8
226 28.0 22.0 33.0

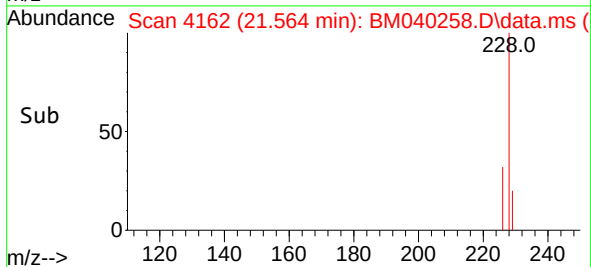
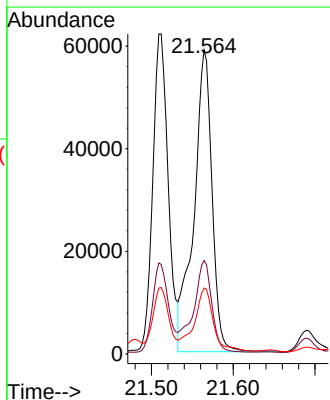
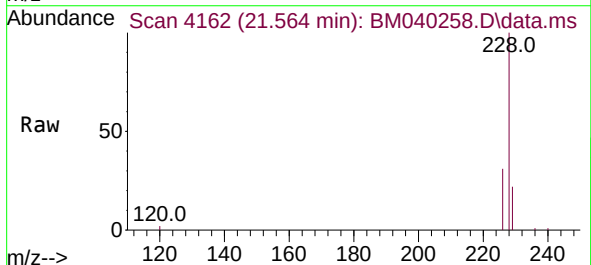
Manual Integrations
APPROVED

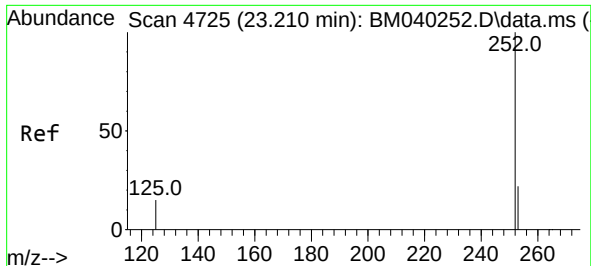
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023



#22
Chrysene
Concen: 1.526 ng/ul
RT: 21.564 min Scan# 4162
Delta R.T. -0.006 min
Lab File: BM040258.D
Acq: 15 Jun 2023 14:20

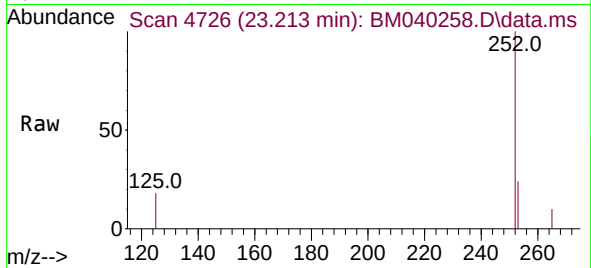
Tgt Ion:228 Resp: 90626
Ion Ratio Lower Upper
228 100
226 30.7 24.3 36.5
229 21.7 15.7 23.5





#24
Benzo(b)fluoranthene
Concen: 1.949 ng/ul
RT: 23.213 min Scan# 4725
Delta R.T. -0.003 min
Lab File: BM040258.D
Acq: 15 Jun 2023 14:20

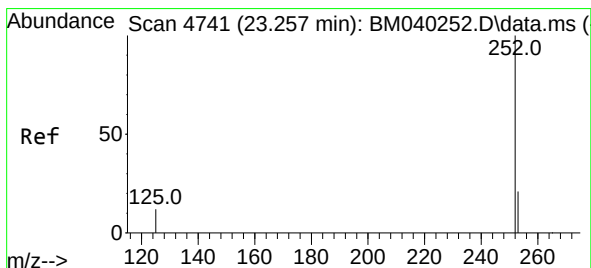
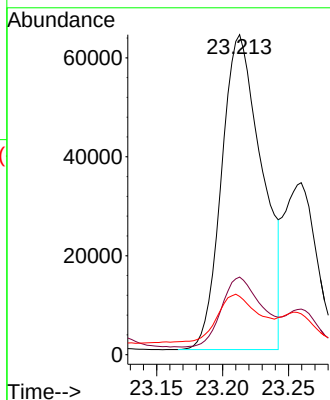
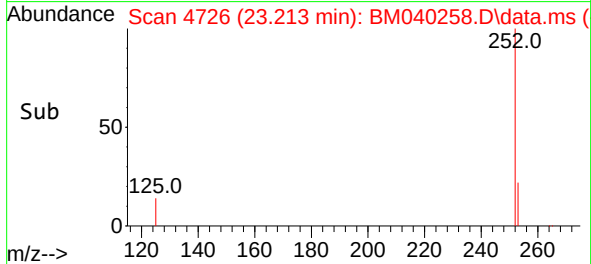
Instrument :
BNA_M
ClientSampleId :
DCFQ9MSD



Tgt Ion:252 Resp: 13585
Ion Ratio Lower Upper
252 100
253 24.3 0.0 52.4
125 18.2 0.0 38.4

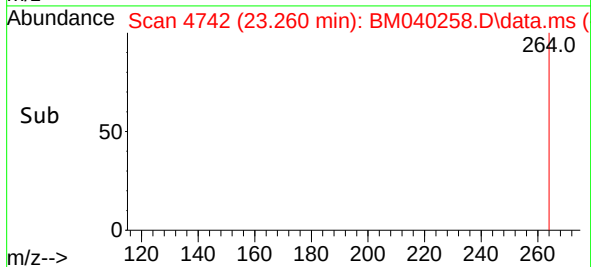
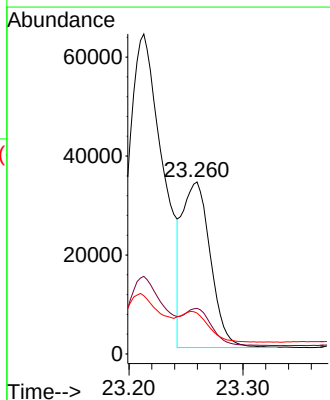
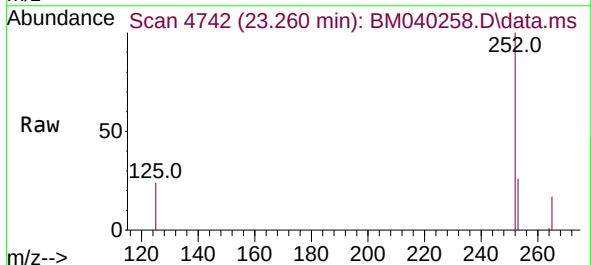
Manual Integrations
APPROVED

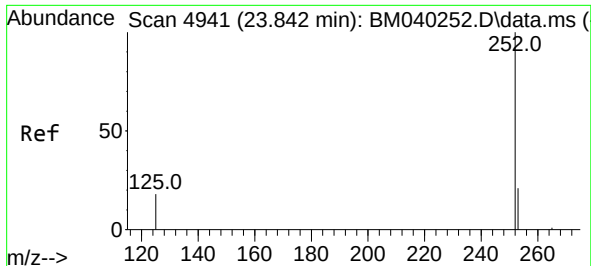
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023



#25
Benzo(k)fluoranthene
Concen: 0.880 ng/ul m
RT: 23.260 min Scan# 4742
Delta R.T. -0.006 min
Lab File: BM040258.D
Acq: 15 Jun 2023 14:20

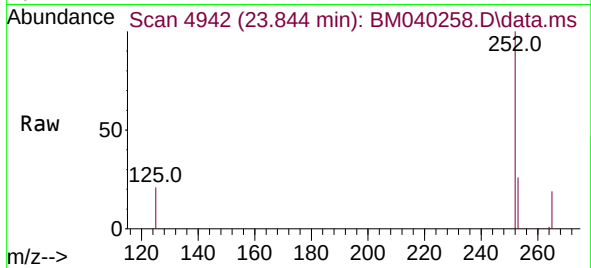
Tgt Ion:252 Resp: 57743
Ion Ratio Lower Upper
252 100
253 26.5 21.5 32.3
125 23.7 14.7 22.1#





#26
Benzo(a)pyrene
Concen: 1.105 ng/ul
RT: 23.844 min Scan# 4941
Delta R.T. -0.006 min
Lab File: BM040258.D
Acq: 15 Jun 2023 14:20

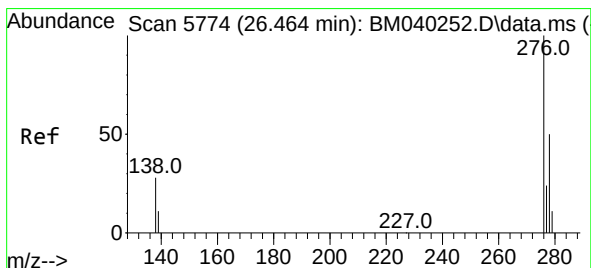
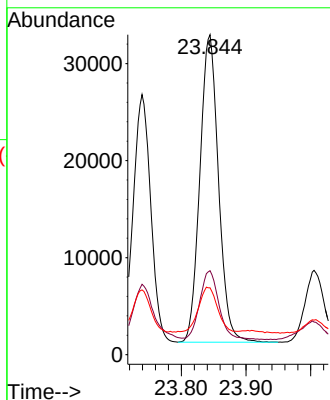
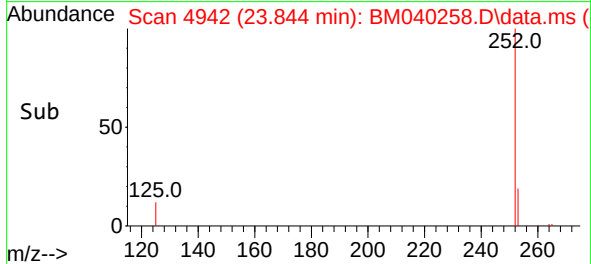
Instrument :
BNA_M
ClientSampleId :
DCFQ9MSD



Tgt Ion:252 Resp: 63192
Ion Ratio Lower Upper
252 100
253 26.3 23.4 35.0
125 20.9 19.7 29.5

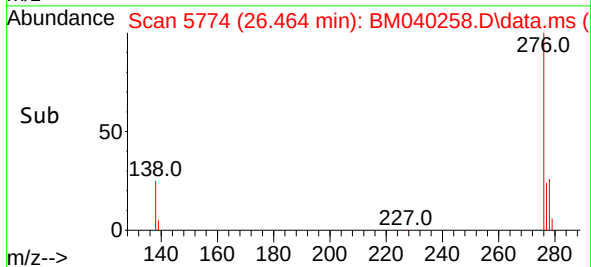
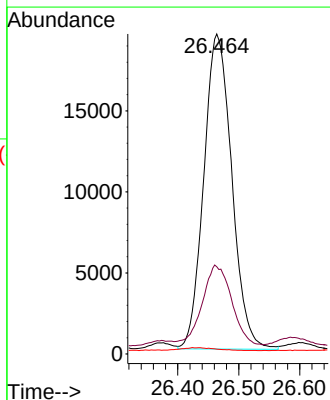
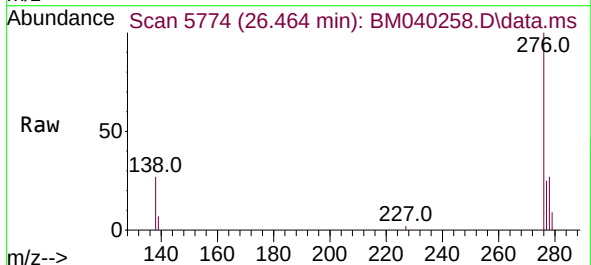
Manual Integrations
APPROVED

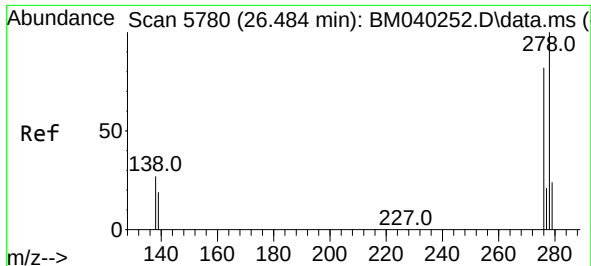
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.857 ng/ul
RT: 26.464 min Scan# 5774
Delta R.T. -0.013 min
Lab File: BM040258.D
Acq: 15 Jun 2023 14:20

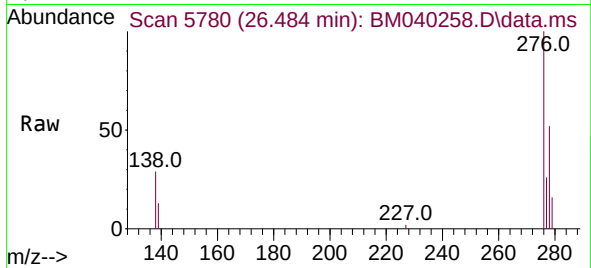
Tgt Ion:276 Resp: 62046
Ion Ratio Lower Upper
276 100
138 26.9 23.3 34.9
227 0.0 0.1 0.1#





#28
Dibenzo(a,h)anthracene
Concen: 0.401 ng/ul
RT: 26.484 min Scan# 5780
Delta R.T. -0.013 min
Lab File: BM040258.D
Acq: 15 Jun 2023 14:20

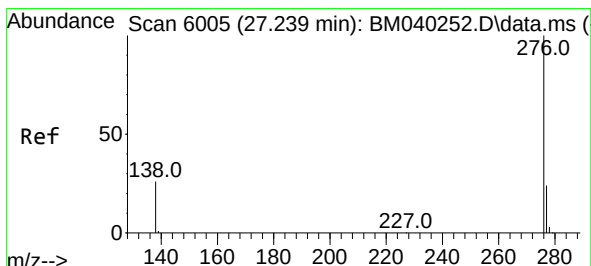
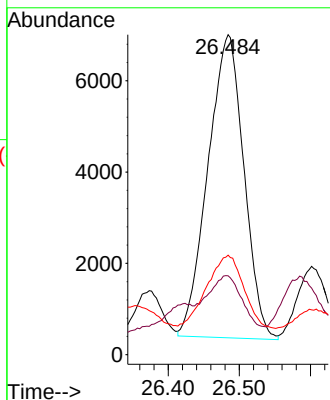
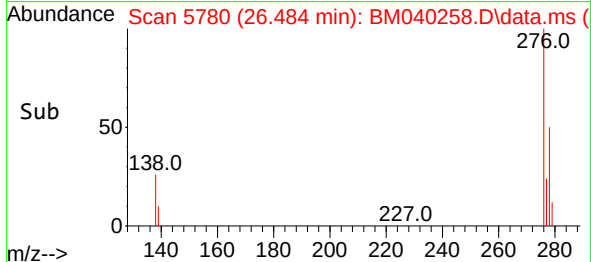
Instrument :
BNA_M
ClientSampleId :
DCFQ9MSD



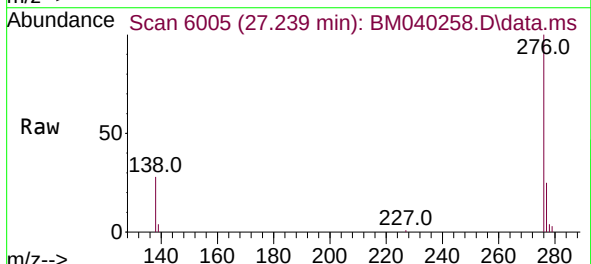
Tgt Ion: 278 Resp: 23309
Ion Ratio Lower Upper
278 100
139 24.7 16.4 24.6
279 31.1 21.8 32.8

Manual Integrations
APPROVED

Reviewed By : Yogesh Patel 06/16/2023
Supervised By : mohammad ahmed 06/16/2023



#29
Benzo(g,h,i)perylene
Concen: 0.948 ng/ul
RT: 27.239 min Scan# 6005
Delta R.T. -0.017 min
Lab File: BM040258.D
Acq: 15 Jun 2023 14:20



Tgt Ion: 276 Resp: 57356
Ion Ratio Lower Upper
276 100
138 28.2 21.0 31.4
277 24.7 19.6 29.4

