

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120822\
 Data File : BM037882.D
 Acq On : 08 Dec 2022 12:17
 Operator : CG/JU
 Sample : N5832-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DBXK6

Manual Integrations
 APPROVED

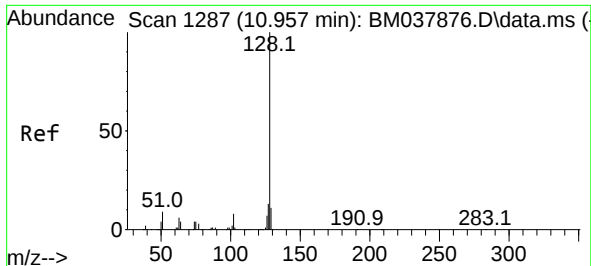
Reviewed By :Jagrut Upadhyay 12/09/2022
 Supervised By :mohammad ahmed 12/10/2022

Quant Time: Dec 08 22:37:28 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120722.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 08 01:49:06 2022
 Response via : Initial Calibration

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

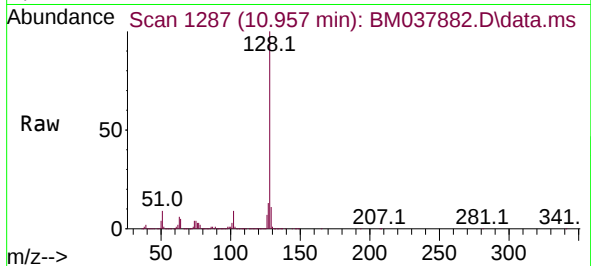
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.087	152	267480	20.000	ng/u1	0.00
20) Naphthalene-d8	10.910	136	1002739	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.716	164	564482	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.468	188	1082251	20.000	ng/u1	# 0.01
79) Chrysene-d12	21.674	240	605376m	20.000	ng/u1	0.05
88) Perylene-d12	24.162	264	1223787m	20.000	ng/u1	0.05
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.428	96	19729	3.349	ng/uL	0.00
4) Pyridine-d5	3.869	84	187775	10.745	ng/u1	0.00
7) Phenol-d5	7.240	99	478764	22.027	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.410	67	277712	20.983	ng/u1	0.00
11) 2-Chlorophenol-d4	7.610	132	398717	22.362	ng/u1	0.00
15) 4-Methylphenol-d8	8.792	113	374991	22.102	ng/u1	0.00
21) Nitrobenzene-d5	9.257	128	192754	24.279	ng/u1	0.00
24) 2-Nitrophenol-d4	9.981	143	202620	24.353	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.522	165	359642	22.758	ng/u1	0.00
31) 4-Chloroaniline-d4	11.045	131	274756	12.595	ng/u1	0.00
46) Dimethylphthalate-d6	14.121	166	1005426	24.983	ng/u1	0.00
49) Acenaphthylene-d8	14.410	160	1218137	24.766	ng/u1	0.00
54) 4-Nitrophenol-d4	14.927	143	165033	24.062	ng/u1	0.02
60) Fluorene-d10	15.710	176	919755	25.653	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.851	200	91980	15.897	ng/u1	0.03
73) Anthracene-d10	17.580	188	927794	18.369	ng/u1	0.02
81) Pyrene-d10	19.862	212	1055845	29.035	ng/u1	0.02
92) Benzo(a)pyrene-d12	24.003	264	1429835m	23.392	ng/u1	0.06
Target Compounds						
					Qvalue	
30) Naphthalene	10.957	128	1558496	28.801	ng/u1	99
36) 2-Methylnaphthalene	12.557	142	880869	25.098	ng/u1	99
37) 1-Methylnaphthalene	12.774	142	203115	5.660	ng/u1	99
50) Acenaphthylene	14.445	152	2278021	42.121	ng/u1	99
52) Acenaphthene	14.786	153	4915191	131.394	ng/u1	99
61) Fluorene	15.774	166	9425377	226.296	ng/u1	99
71) Pentachlorophenol	17.133	266	168663	21.422	ng/u1	98
72) Phenanthrene	17.521	178	29871821m	505.431	ng/u1	
74) Anthracene	17.615	178	49056013m	816.753	ng/u1	
80) Fluoranthene	19.527	202	40512168m	943.951	ng/u1	
82) Pyrene	19.903	202	37239720m	833.736	ng/u1	
85) Benzo(a)anthracene	21.650	228	23768875m	583.199	ng/u1	
87) Chrysene	21.709	228	22880345m	598.347	ng/u1	
90) Benzo(b)fluoranthene	23.421	252	30349113m	400.016	ng/u1	
91) Benzo(k)fluoranthene	23.468	252	8017948m	109.044	ng/u1	
93) Benzo(a)pyrene	24.080	252	14881886m	223.057	ng/u1	
94) Indeno(1,2,3-cd)pyrene	26.791	276	9198437m	107.051	ng/u1	
95) Dibenzo(a,h)anthracene	26.785	278	2818376m	38.908	ng/u1	
96) Benzo(g,h,i)perylene	27.603	276	7302941m	106.451	ng/u1	

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



#30
Naphthalene
Concen: 28.801 ng/ul
RT: 10.957 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BM037882.D
Acq: 08 Dec 2022 12:17

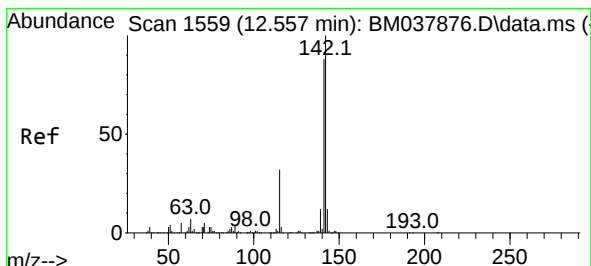
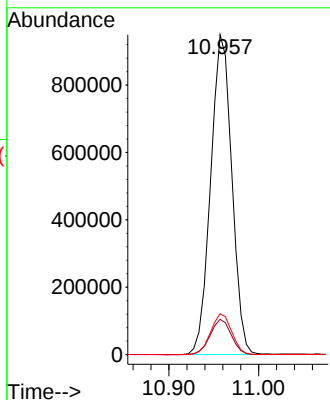
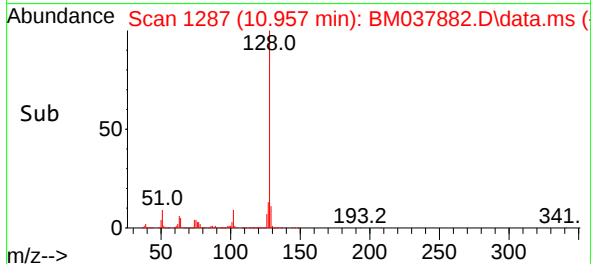
Instrument :
BNA_M
ClientSampleId :
DBXK6



Tgt Ion:128 Resp: 1558496
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.4
127 12.8 10.4 15.6

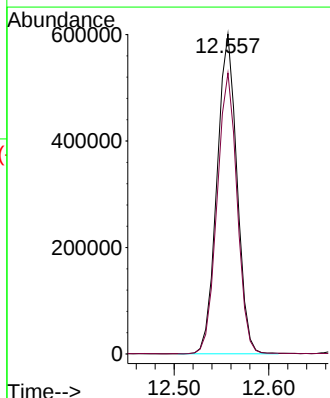
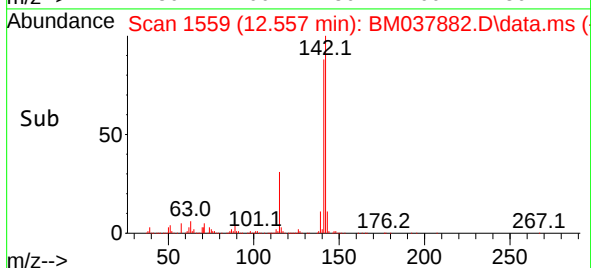
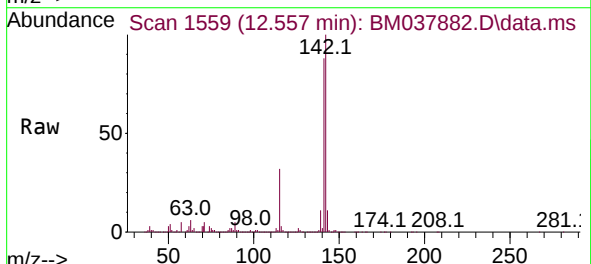
Manual Integrations
APPROVED

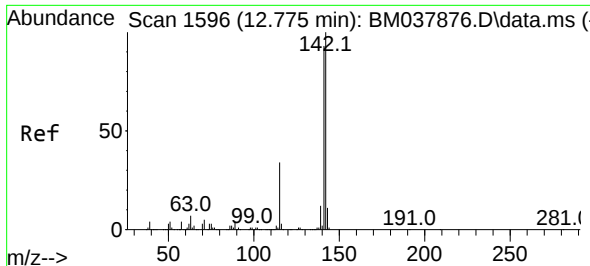
Reviewed By :Jagrut Upadhyay 12/09/2022
Supervised By :mohammad ahmed 12/10/2022



#36
2-Methylnaphthalene
Concen: 25.098 ng/ul
RT: 12.557 min Scan# 1559
Delta R.T. -0.000 min
Lab File: BM037882.D
Acq: 08 Dec 2022 12:17

Tgt Ion:142 Resp: 880869
Ion Ratio Lower Upper
142 100
141 87.8 69.4 104.0





#37

1-Methylnaphthalene

Concen: 5.660 ng/ul

RT: 12.774 min Scan# 11

Delta R.T. -0.000 min

Lab File: BM037882.D

Acq: 08 Dec 2022 12:17

Instrument :

BNA_M

ClientSampleId :

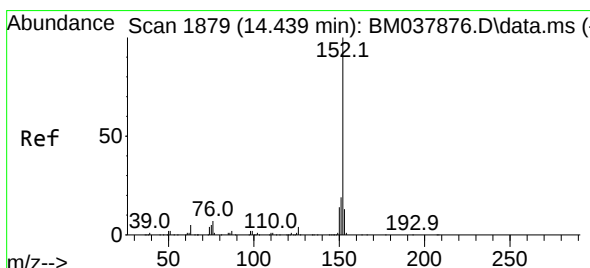
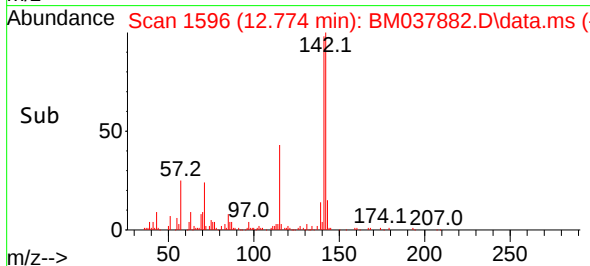
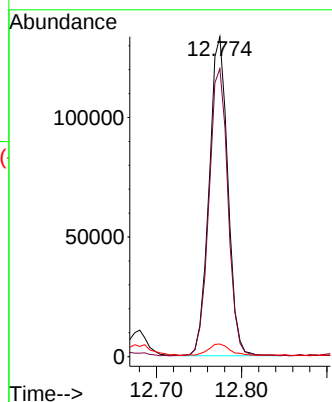
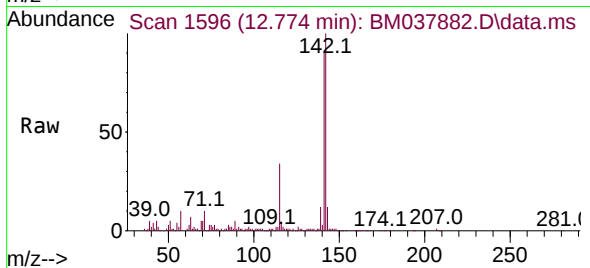
DBXK6

Tgt Ion:	142	Resp:	203115
Ion Ratio	Lower	Upper	
142	100		
141	90.0	72.4	108.6
116	3.9	2.9	4.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/09/2022
Supervised By :mohammad ahmed 12/10/2022



#50

Acenaphthylene

Concen: 42.121 ng/ul

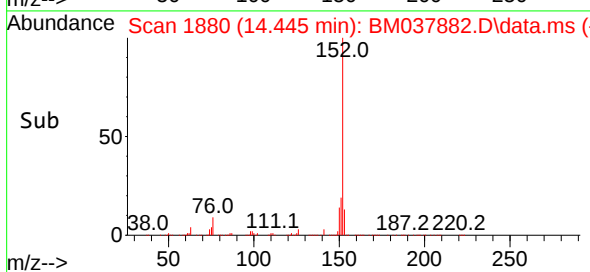
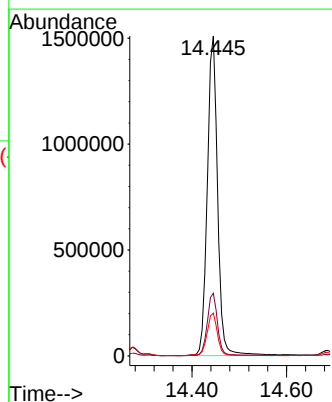
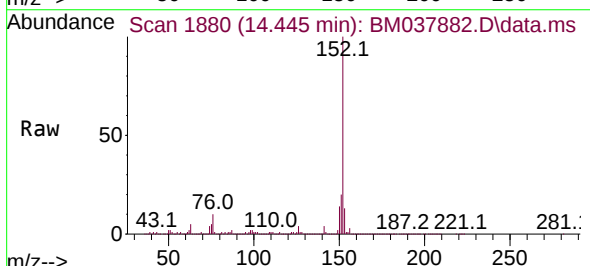
RT: 14.445 min Scan# 1880

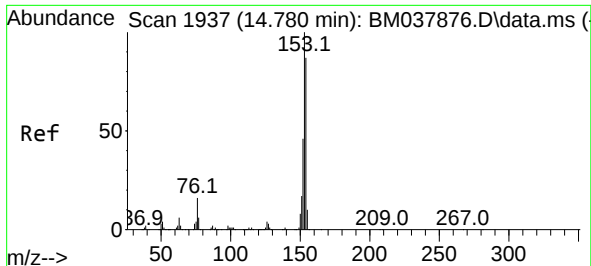
Delta R.T. -0.000 min

Lab File: BM037882.D

Acq: 08 Dec 2022 12:17

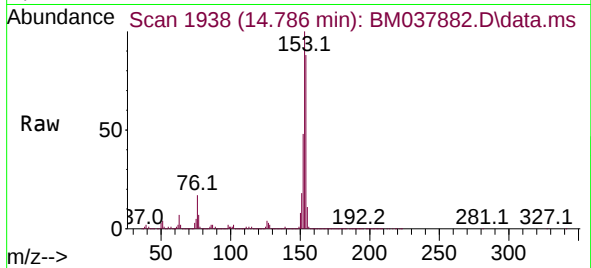
Tgt Ion:	152	Resp:	2278021
Ion Ratio	Lower	Upper	
152	100		
151	19.6	15.3	22.9
153	13.4	10.2	15.4





#52
Acenaphthene
Concen: 131.394 ng/ul
RT: 14.786 min Scan# 1938
Delta R.T. 0.006 min
Lab File: BM037882.D
Acq: 08 Dec 2022 12:17

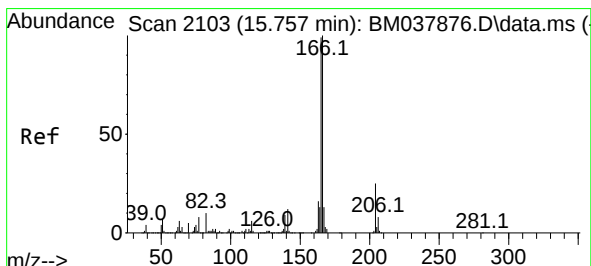
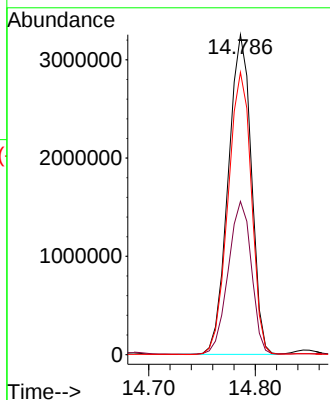
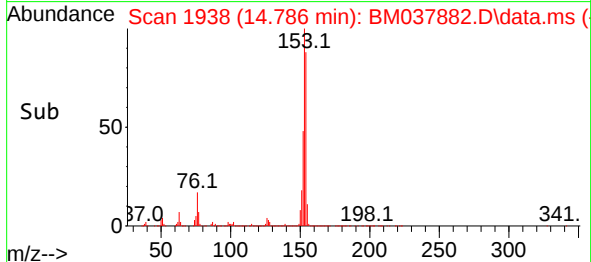
Instrument :
BNA_M
ClientSampleId :
DBXK6



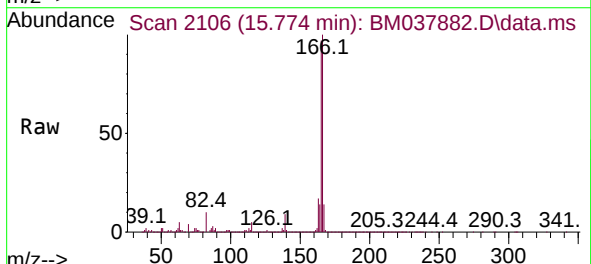
Tgt Ion:153 Resp: 4915191
Ion Ratio Lower Upper
153 100
152 47.9 38.2 57.4
154 88.2 71.4 107.0

Manual Integrations
APPROVED

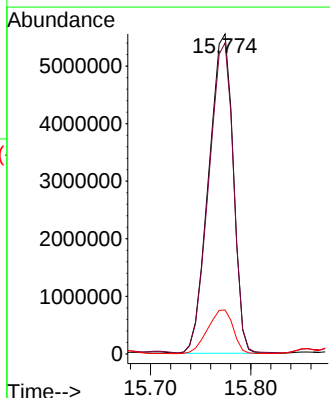
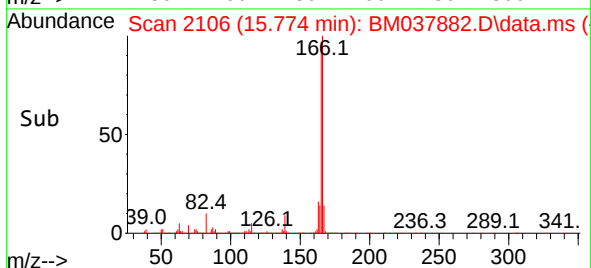
Reviewed By :Jagrut Upadhyay 12/09/2022
Supervised By :mohammad ahmed 12/10/2022

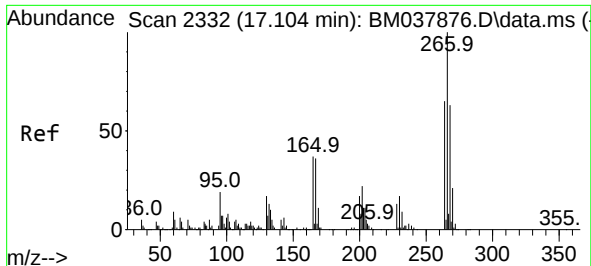


#61
Fluorene
Concen: 226.296 ng/ul
RT: 15.774 min Scan# 2106
Delta R.T. 0.012 min
Lab File: BM037882.D
Acq: 08 Dec 2022 12:17



Tgt Ion:166 Resp: 9425377
Ion Ratio Lower Upper
166 100
165 97.2 77.2 115.8
167 13.7 10.4 15.6





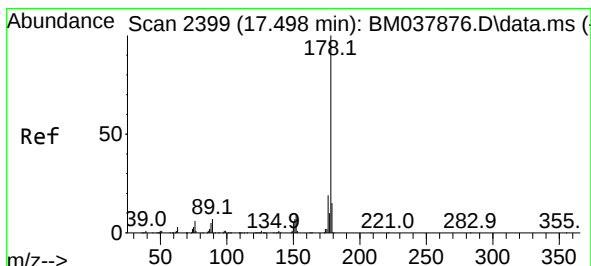
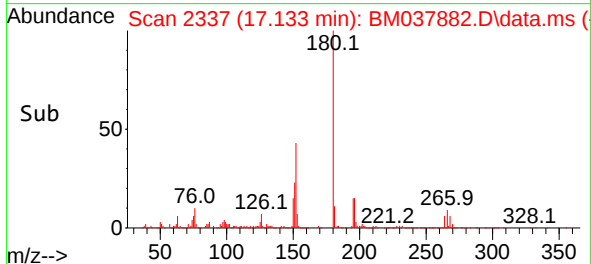
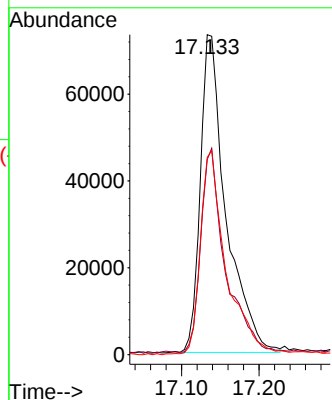
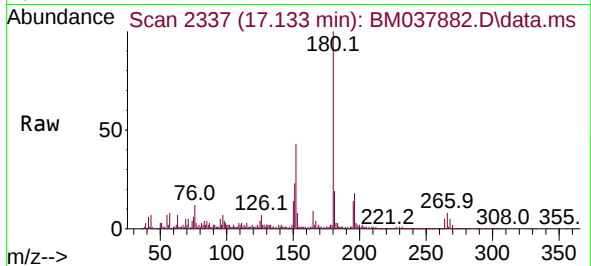
#71
Pentachlorophenol
Concen: 21.422 ng/ul
RT: 17.133 min Scan# 2332
Delta R.T. 0.029 min
Lab File: BM037882.D
Acq: 08 Dec 2022 12:17

Instrument :
BNA_M
ClientSampleId :
DBXK6

Tgt Ion:266 Resp: 168663
Ion Ratio Lower Upper
266 100
264 61.0 50.1 75.1
268 61.6 50.6 75.8

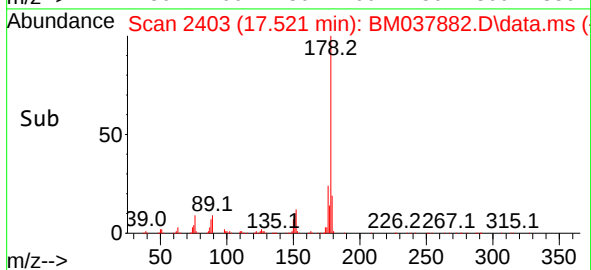
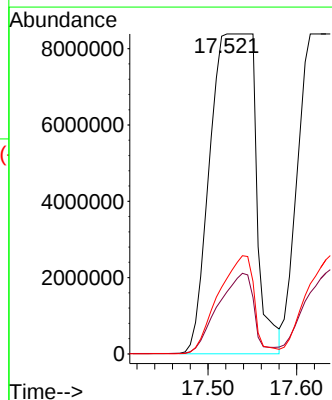
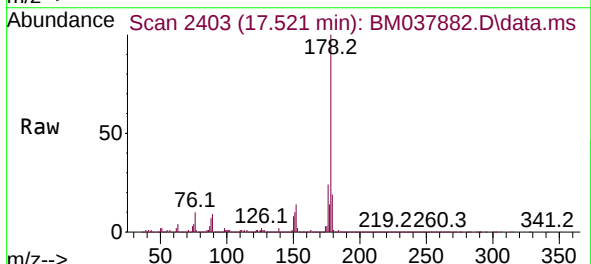
Manual Integrations
APPROVED

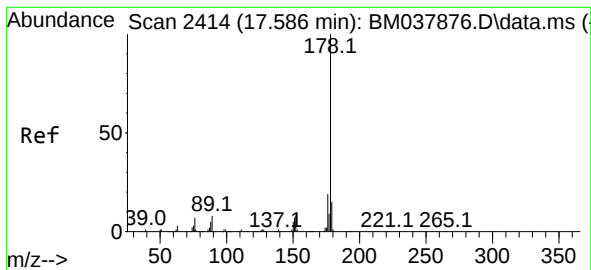
Reviewed By :Jagrut Upadhyay 12/09/2022
Supervised By :mohammad ahmed 12/10/2022



#72
Phenanthrene
Concen: 505.431 ng/ul m
RT: 17.521 min Scan# 2403
Delta R.T. 0.024 min
Lab File: BM037882.D
Acq: 08 Dec 2022 12:17

Tgt Ion:178 Resp:29871821
Ion Ratio Lower Upper
178 100
179 19.4 12.2 18.2#
176 23.6 15.4 23.0#





#74

Anthracene

Concen: 816.753 ng/ul m

RT: 17.615 min Scan# 2414

Delta R.T. 0.024 min

Lab File: BM037882.D

Acq: 08 Dec 2022 12:17

Instrument :

BNA_M

ClientSampleId :

DBXK6

Tgt Ion:178 Resp:49056013

Ion Ratio Lower Upper

178 100

179 19.1 11.8 17.8

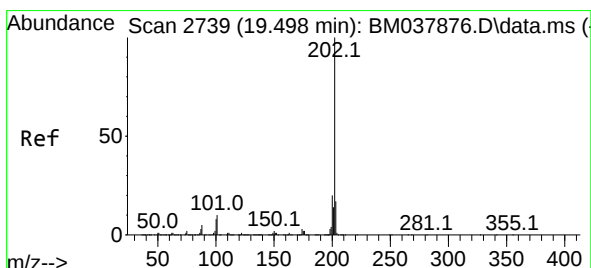
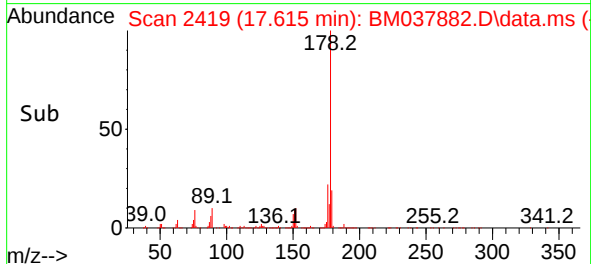
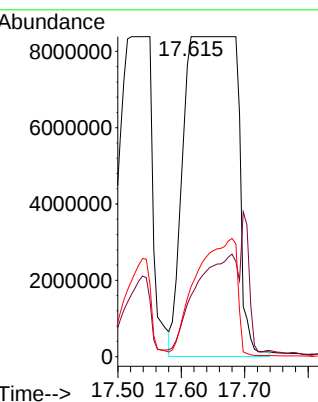
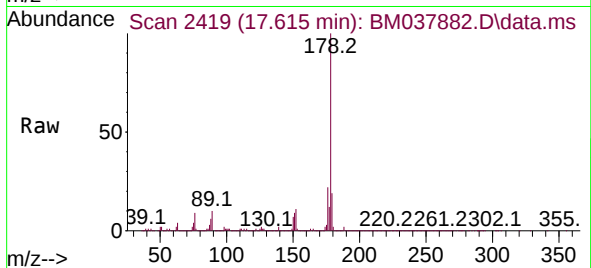
176 21.9 15.0 22.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/09/2022

Supervised By :mohammad ahmed 12/10/2022



#80

Fluoranthene

Concen: 943.951 ng/ul m

RT: 19.527 min Scan# 2744

Delta R.T. 0.023 min

Lab File: BM037882.D

Acq: 08 Dec 2022 12:17

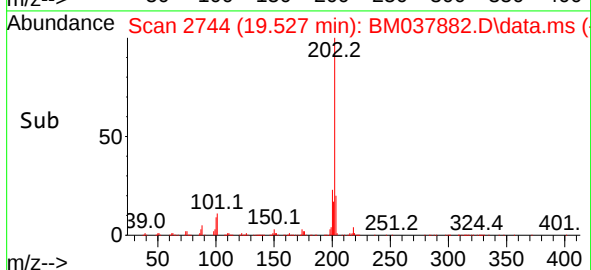
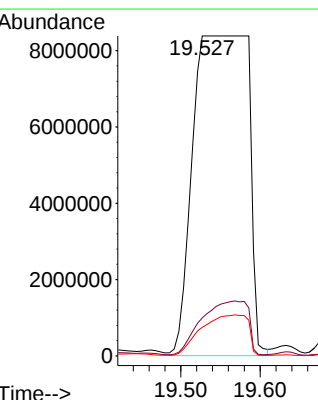
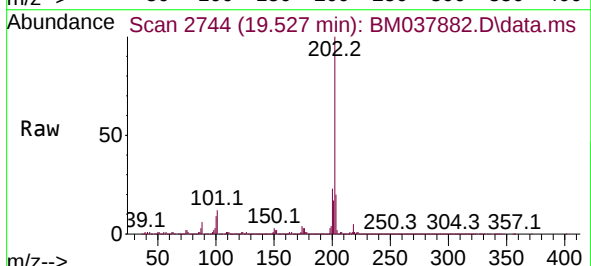
Tgt Ion:202 Resp:40512168

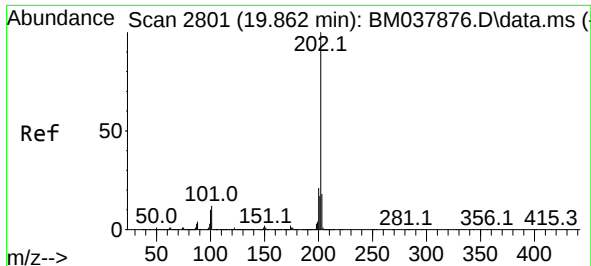
Ion Ratio Lower Upper

202 100

101 11.9 8.6 13.0

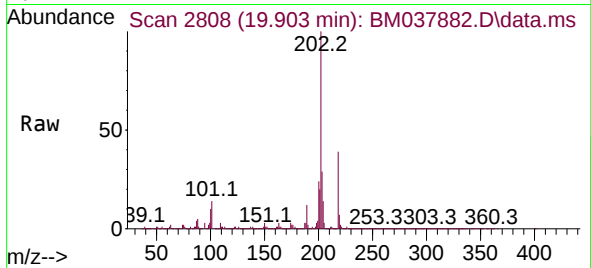
100 8.9 6.6 10.0





#82
Pyrene
Concen: 833.736 ng/ul m
RT: 19.903 min Scan# 2801
Delta R.T. 0.035 min
Lab File: BM037882.D
Acq: 08 Dec 2022 12:17

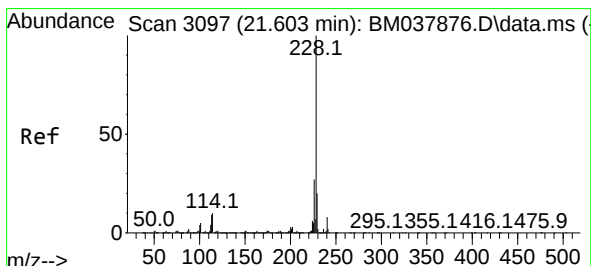
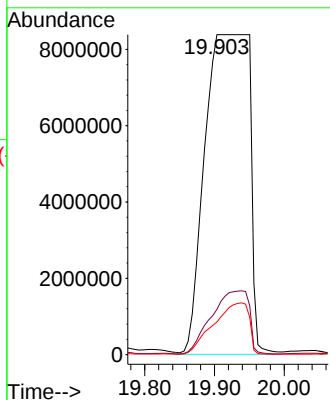
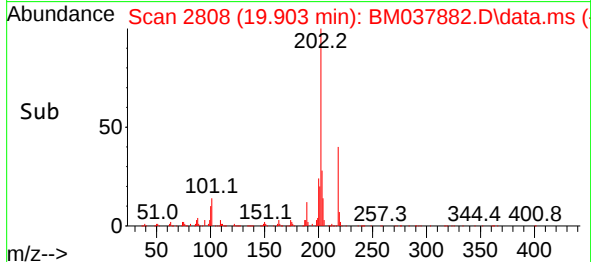
Instrument :
BNA_M
ClientSampleId :
DBXK6



Tgt Ion:202 Resp:37239720
Ion Ratio Lower Upper
202 100
101 14.1 10.0 15.0
100 10.2 7.9 11.9

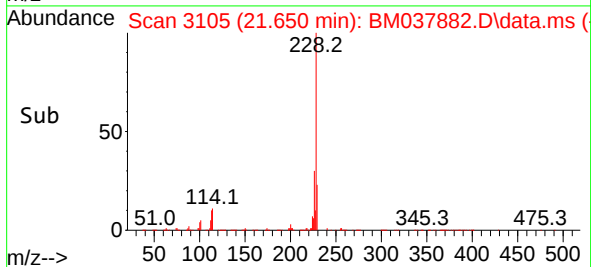
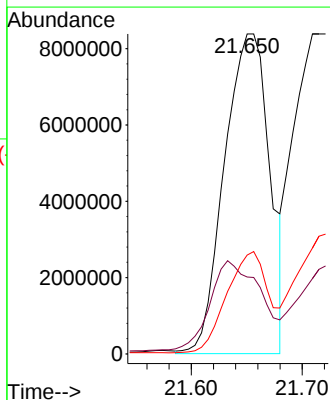
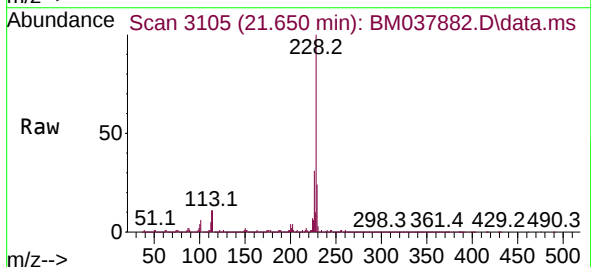
Manual Integrations
APPROVED

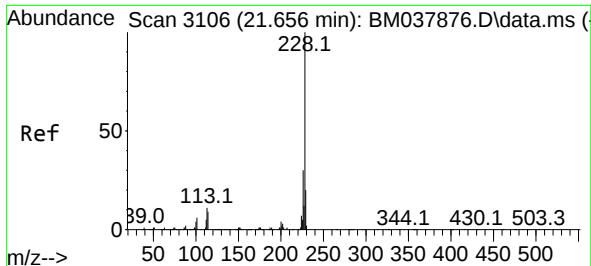
Reviewed By :Jagrut Upadhyay 12/09/2022
Supervised By :mohammad ahmed 12/10/2022



#85
Benzo(a)anthracene
Concen: 583.199 ng/ul m
RT: 21.650 min Scan# 3105
Delta R.T. 0.041 min
Lab File: BM037882.D
Acq: 08 Dec 2022 12:17

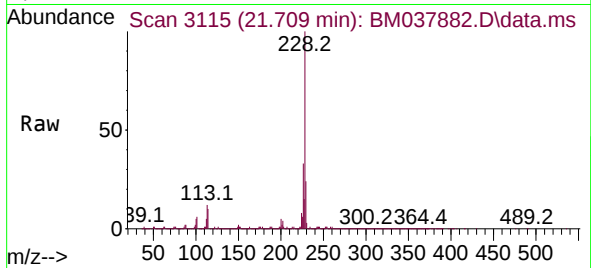
Tgt Ion:228 Resp:23768875
Ion Ratio Lower Upper
228 100
229 24.0 15.5 23.3#
226 30.9 21.8 32.8





#87
Chrysene
Concen: 598.347 ng/ul m
RT: 21.709 min Scan# 3106
Delta R.T. 0.047 min
Lab File: BM037882.D
Acq: 08 Dec 2022 12:17

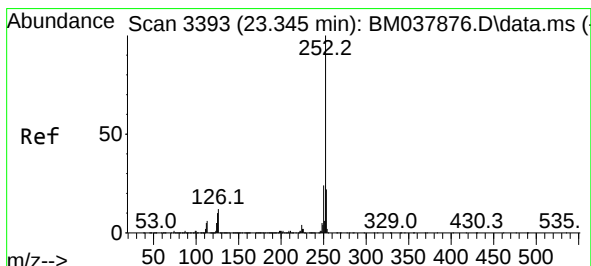
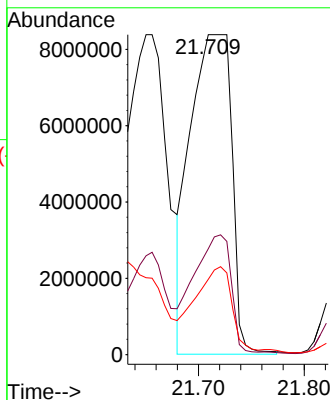
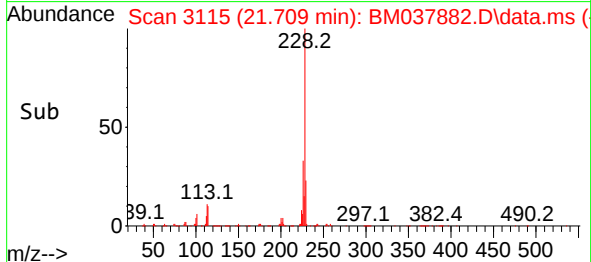
Instrument :
BNA_M
ClientSampleId :
DBXK6



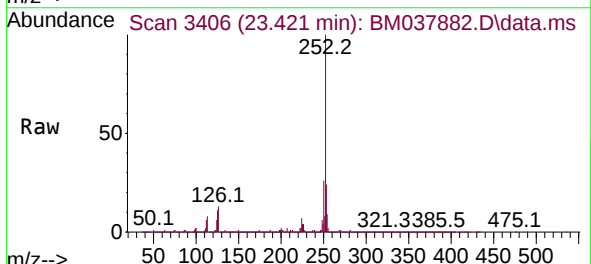
Tgt Ion:228 Resp:22880345
Ion Ratio Lower Upper
228 100
226 33.1 24.3 36.5
229 23.5 15.6 23.4

Manual Integrations
APPROVED

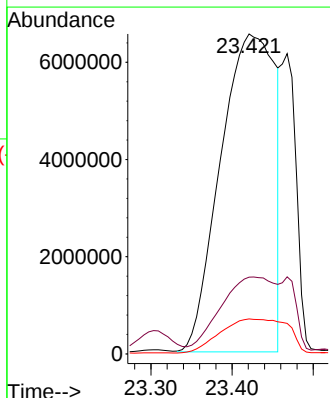
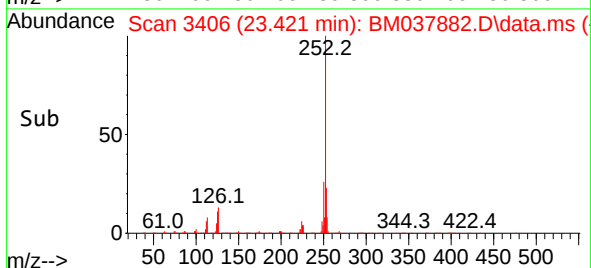
Reviewed By :Jagrut Upadhyay 12/09/2022
Supervised By :mohammad ahmed 12/10/2022

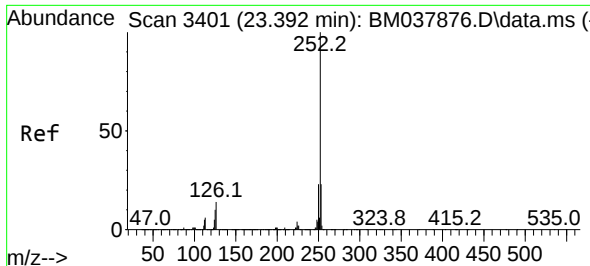


#90
Benzo(b)fluoranthene
Concen: 400.016 ng/ul m
RT: 23.421 min Scan# 3406
Delta R.T. 0.076 min
Lab File: BM037882.D
Acq: 08 Dec 2022 12:17



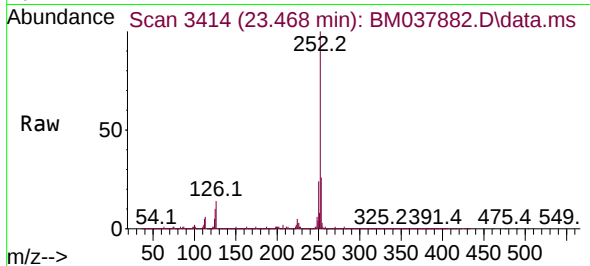
Tgt Ion:252 Resp:30349113
Ion Ratio Lower Upper
252 100
253 24.0 17.6 26.4
125 10.9 8.0 12.0





#91
Benzo(k)fluoranthene
Concen: 109.044 ng/ul m
RT: 23.468 min Scan# 3414
Delta R.T. 0.071 min
Lab File: BM037882.D
Acq: 08 Dec 2022 12:17

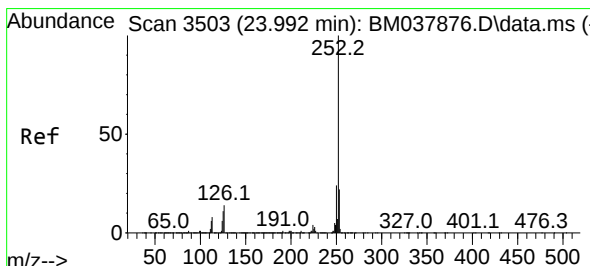
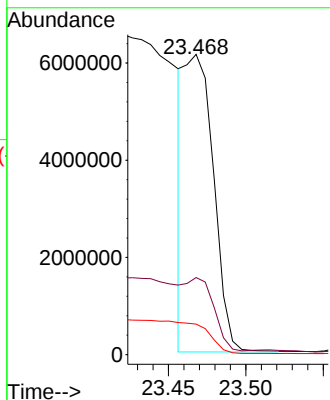
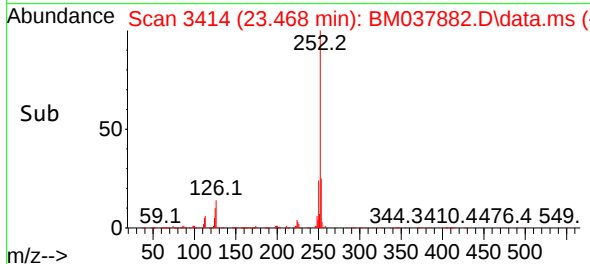
Instrument :
BNA_M
ClientSampleId :
DBXK6



Tgt Ion:252 Resp: 8017948
Ion Ratio Lower Upper
252 100
253 25.6 17.4 26.2
125 10.2 8.1 12.1

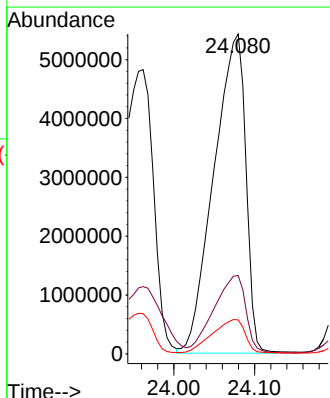
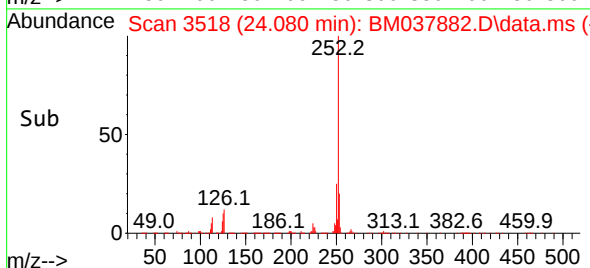
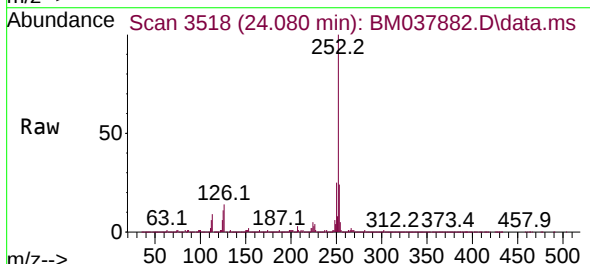
Manual Integrations
APPROVED

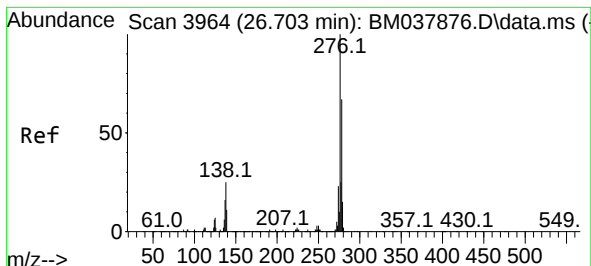
Reviewed By :Jagrut Upadhyay 12/09/2022
Supervised By :mohammad ahmed 12/10/2022



#93
Benzo(a)pyrene
Concen: 223.057 ng/ul m
RT: 24.080 min Scan# 3518
Delta R.T. 0.082 min
Lab File: BM037882.D
Acq: 08 Dec 2022 12:17

Tgt Ion:252 Resp:14881886
Ion Ratio Lower Upper
252 100
253 24.5 17.4 26.0
125 10.6 9.4 14.0





#94

Indeno(1,2,3-cd)pyrene

Concen: 107.051 ng/ul m

RT: 26.791 min Scan# 39

Delta R.T. 0.082 min

Lab File: BM037882.D

Acq: 08 Dec 2022 12:17

Instrument :

BNA_M

ClientSampleId :

DBXK6

Tgt Ion:276 Resp: 919843

Ion Ratio Lower Upper

276 100

138 21.5 19.3 28.9

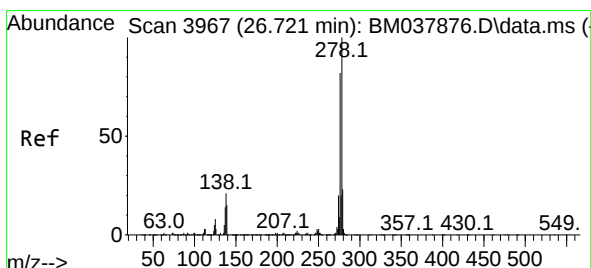
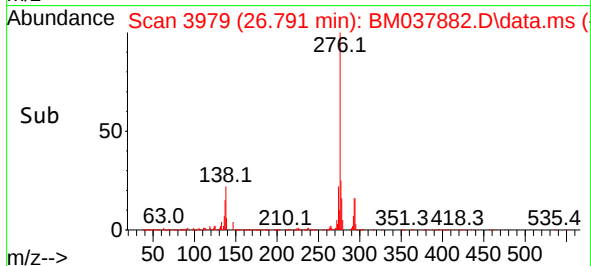
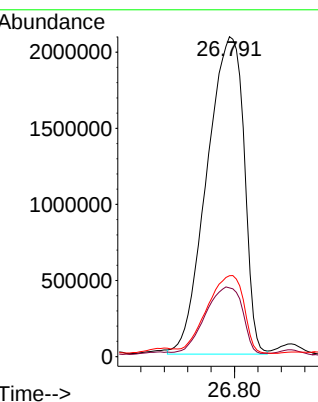
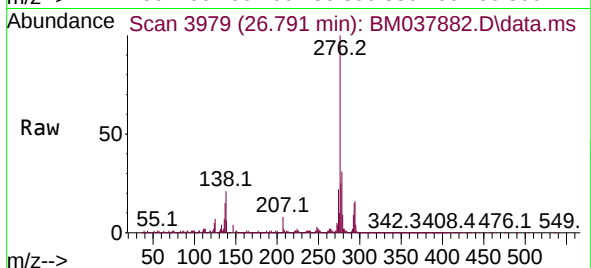
277 25.3 19.8 29.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/09/2022

Supervised By :mohammad ahmed 12/10/2022



#95

Dibenzo(a,h)anthracene

Concen: 38.908 ng/ul m

RT: 26.785 min Scan# 3978

Delta R.T. 0.059 min

Lab File: BM037882.D

Acq: 08 Dec 2022 12:17

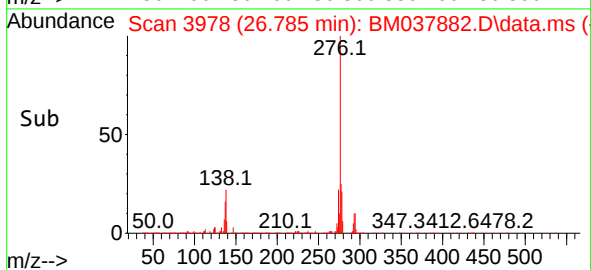
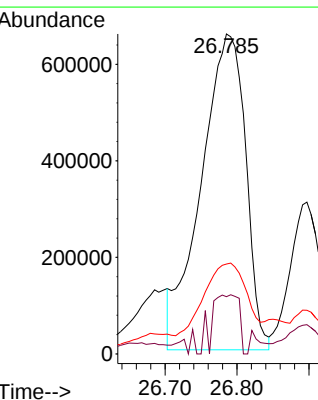
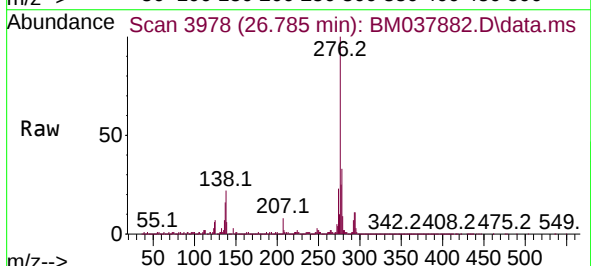
Tgt Ion:278 Resp: 2818376

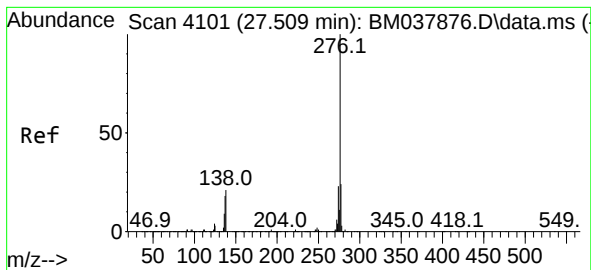
Ion Ratio Lower Upper

278 100

139 17.9 12.4 18.6

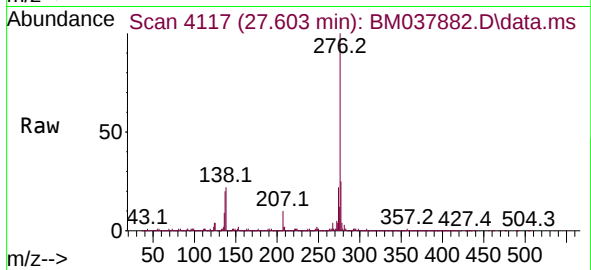
279 28.1 19.8 29.6





#96
Benzo(g,h,i)perylene
Concen: 106.451 ng/ul m
RT: 27.603 min Scan# 4117
Delta R.T. 0.088 min
Lab File: BM037882.D
Acq: 08 Dec 2022 12:17

Instrument :
BNA_M
ClientSampleId :
DBXK6



Tgt Ion:276 Resp: 730294
Ion Ratio Lower Upper
276 100
138 22.4 17.1 25.7
277 24.7 18.2 27.4

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/09/2022
Supervised By :mohammad ahmed 12/10/2022

