

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120822\
 Data File : BM037881.D
 Acq On : 08 Dec 2022 11:36
 Operator : CG/JU
 Sample : N5832-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DBXK3

Manual Integrations
 APPROVED

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

Quant Time: Dec 08 22:37:10 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)

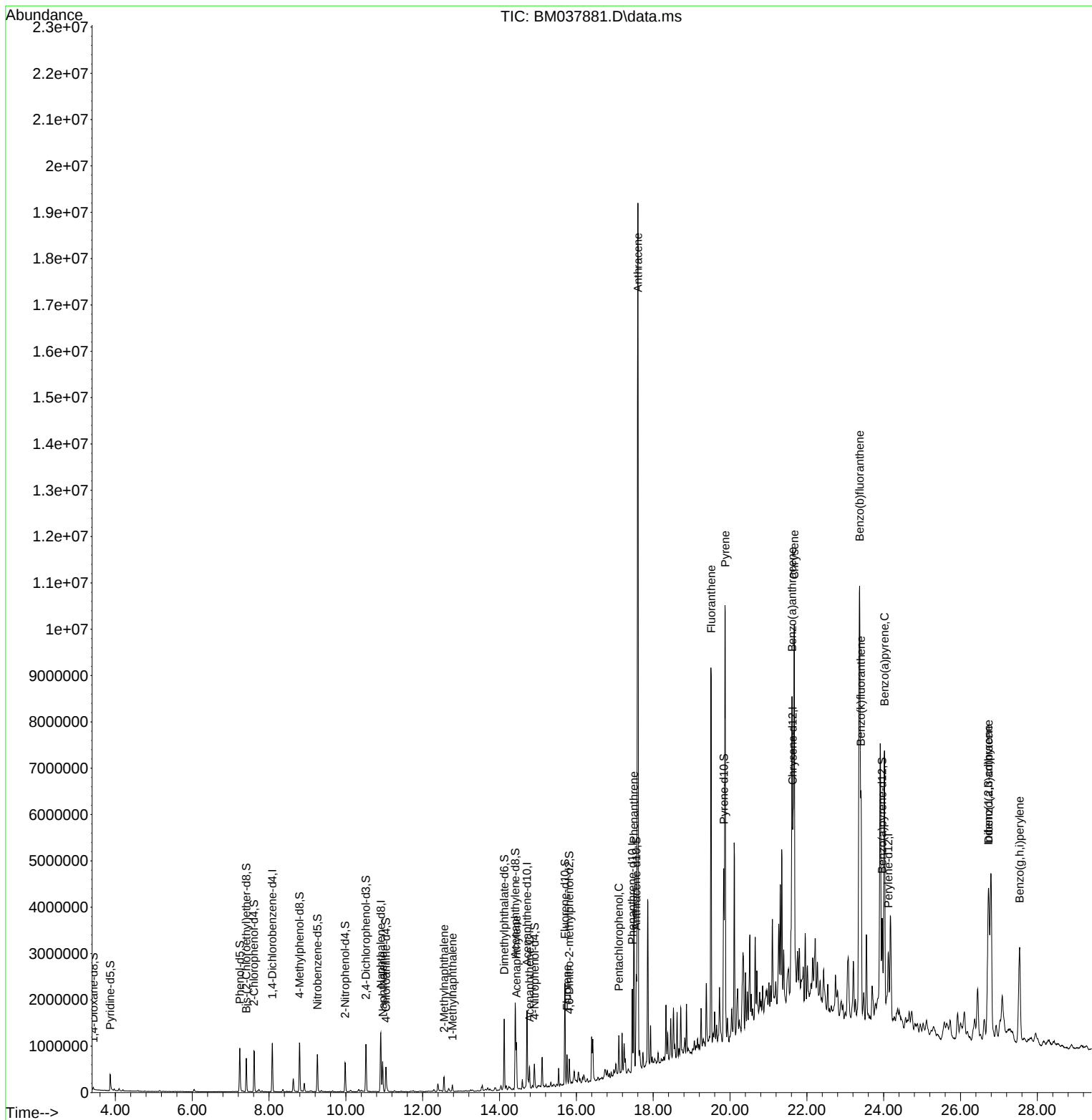
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.087	152	281029	20.000	ng/u1	0.00
20) Naphthalene-d8	10.910	136	1078588	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.715	164	569478	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.456	188	1084679	20.000	ng/u1	0.00
79) Chrysene-d12	21.633	240	904999	20.000	ng/u1	0.00
88) Perylene-d12	24.121	264	1140708	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.428	96	24324m	3.930	ng/uL	0.00
4) Pyridine-d5	3.863	84	194363	10.586	ng/u1	0.00
7) Phenol-d5	7.239	99	513195	22.472	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.410	67	296460	21.319	ng/u1	0.00
11) 2-Chlorophenol-d4	7.610	132	422644	22.561	ng/u1	0.00
15) 4-Methylphenol-d8	8.792	113	394556	22.134	ng/u1	0.00
21) Nitrobenzene-d5	9.257	128	204920	23.996	ng/u1	0.00
24) 2-Nitrophenol-d4	9.980	143	212135	23.704	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.522	165	382320	22.491	ng/u1	0.00
31) 4-Chloroaniline-d4	11.045	131	310441	13.230	ng/u1	0.00
46) Dimethylphthalate-d6	14.121	166	1007631	24.819	ng/u1	0.00
49) Acenaphthylene-d8	14.410	160	1209860	24.382	ng/u1	0.00
54) 4-Nitrophenol-d4	14.910	143	146914	21.233	ng/u1	0.00
60) Fluorene-d10	15.704	176	901444	24.921	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.815	200	115768	19.963	ng/u1	0.00
73) Anthracene-d10	17.556	188	1323680	26.148	ng/u1	0.00
81) Pyrene-d10	19.839	212	1404724	25.840	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.962	264	1466214	25.734	ng/u1	0.02
Target Compounds					Qvalue	
30) Naphthalene	10.957	128	509322	8.750	ng/u1	99
36) 2-Methylnaphthalene	12.557	142	149306	3.955	ng/u1	95
37) 1-Methylnaphthalene	12.774	142	56913	1.474	ng/u1	97
50) Acenaphthylene	14.439	152	714335	13.092	ng/u1	99
52) Acenaphthene	14.780	153	196825	5.215	ng/u1	96
61) Fluorene	15.757	166	290892	6.923	ng/u1	98
71) Pentachlorophenol	17.104	266	69935	8.863	ng/u1	97
72) Phenanthrene	17.498	178	2311751	39.027	ng/u1	100
74) Anthracene	17.604	178	13743256	228.305	ng/u1	97
80) Fluoranthene	19.509	202	5105518	79.576	ng/u1	100
82) Pyrene	19.874	202	6096803	91.306	ng/u1	99
85) Benzo(a)anthracene	21.615	228	3606492	59.193	ng/u1	96
87) Chrysene	21.674	228	5676617	99.302	ng/u1	98
90) Benzo(b)fluoranthene	23.374	252	9718411	137.422	ng/u1	97
91) Benzo(k)fluoranthene	23.409	252	2421267m	35.327	ng/u1	
93) Benzo(a)pyrene	24.021	252	4341692	69.815	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.726	276	3557335	44.415	ng/u1	98
95) Dibenzo(a,h)anthracene	26.732	278	935798	13.860	ng/u1#	86
96) Benzo(g,h,i)perylene	27.538	276	2798697	43.766	ng/u1	98

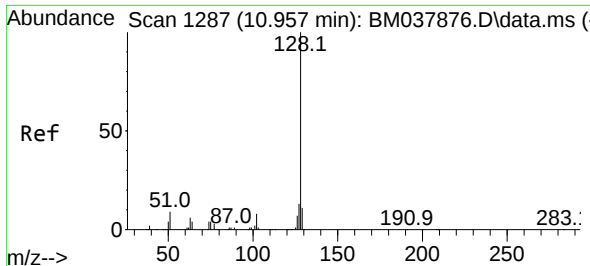
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations

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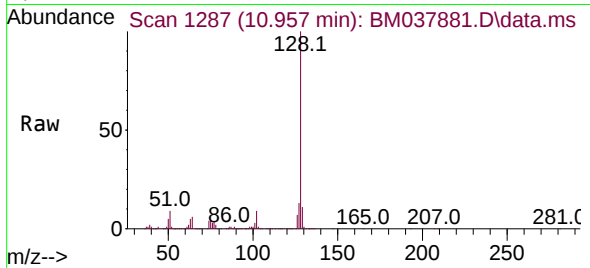
Quant Time: Dec 08 22:37:10 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120722.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 08 01:49:06 2022
Response via : Initial Calibration





#30
Naphthalene
Concen: 8.750 ng/ul
RT: 10.957 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BM037881.D
Acq: 08 Dec 2022 11:36

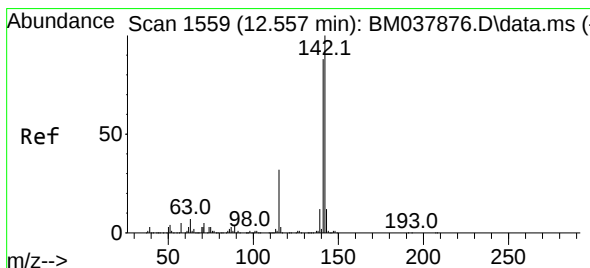
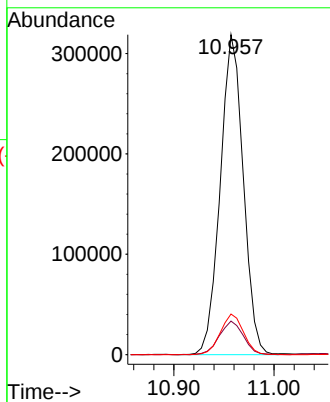
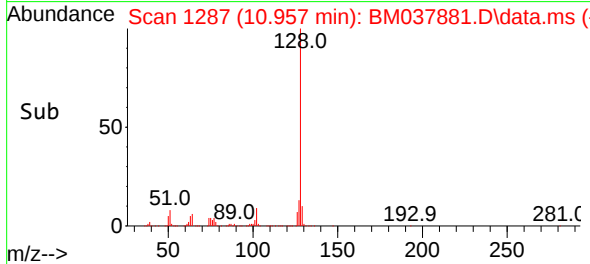
Instrument :
BNA_M
ClientSampleId :
DBXK3



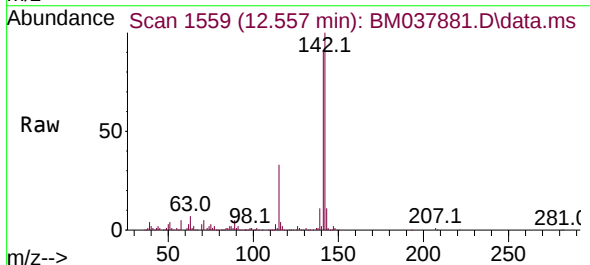
Tgt Ion:128 Resp: 509322
Ion Ratio Lower Upper
128 100
129 10.5 9.0 13.4
127 12.7 10.4 15.6

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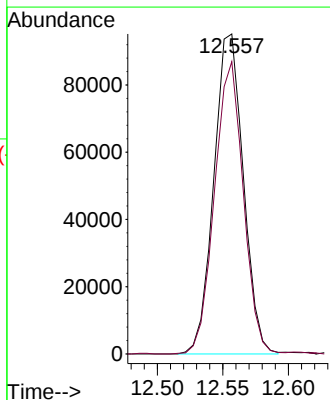
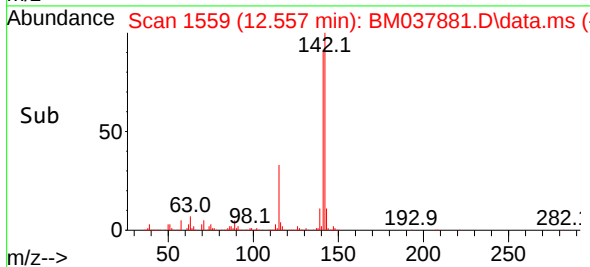
Reviewed By :Jagrut Upadhyay 12/09/2022
Supervised By :mohammad ahmed 12/10/2022

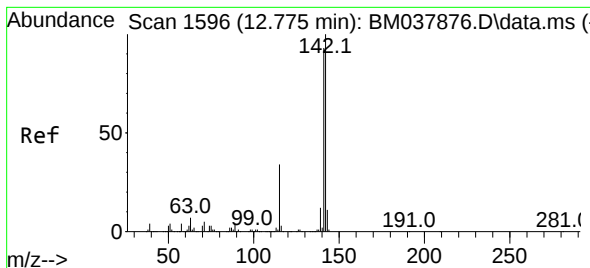


#36
2-Methylnaphthalene
Concen: 3.955 ng/ul
RT: 12.557 min Scan# 1559
Delta R.T. -0.000 min
Lab File: BM037881.D
Acq: 08 Dec 2022 11:36



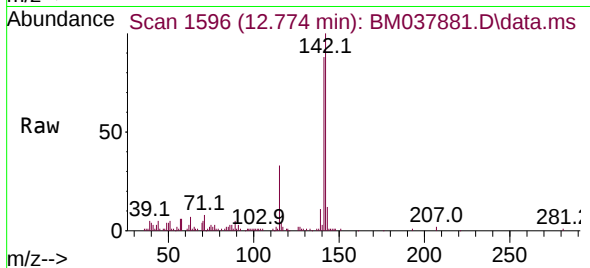
Tgt Ion:142 Resp: 149306
Ion Ratio Lower Upper
142 100
141 91.3 69.4 104.0





#37
1-Methylnaphthalene
Concen: 1.474 ng/ul
RT: 12.774 min Scan# 1596
Delta R.T. -0.000 min
Lab File: BM037881.D
Acq: 08 Dec 2022 11:36

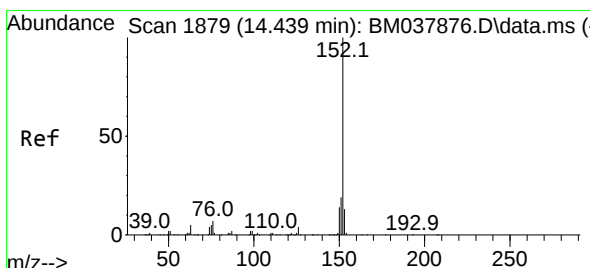
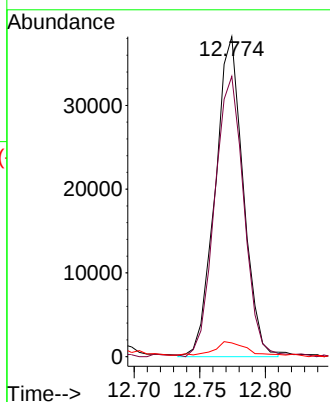
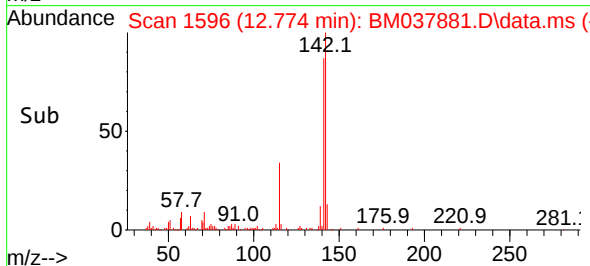
Instrument :
BNA_M
ClientSampleId :
DBXK3



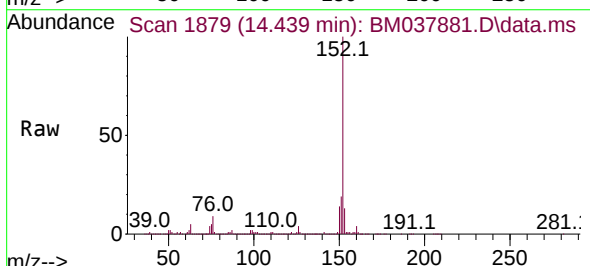
Tgt Ion:142 Resp: 56913
Ion Ratio Lower Upper
142 100
141 87.6 72.4 108.6
116 4.3 2.9 4.3

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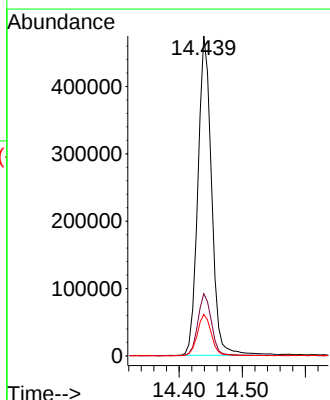
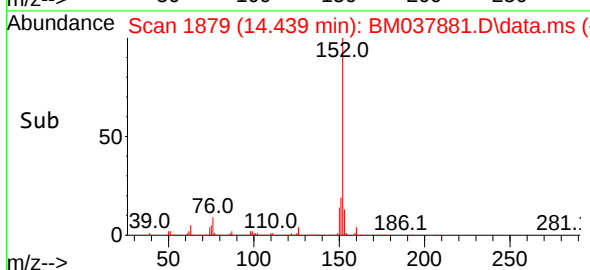
Reviewed By :Jagrut Upadhyay 12/09/2022
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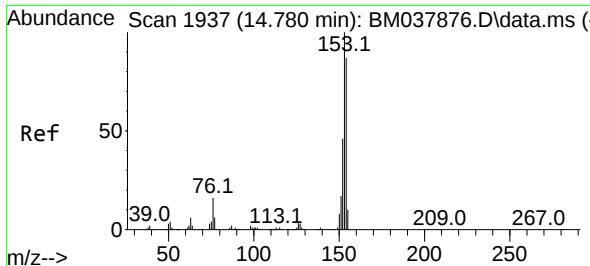


#50
Acenaphthylene
Concen: 13.092 ng/ul
RT: 14.439 min Scan# 1879
Delta R.T. -0.006 min
Lab File: BM037881.D
Acq: 08 Dec 2022 11:36



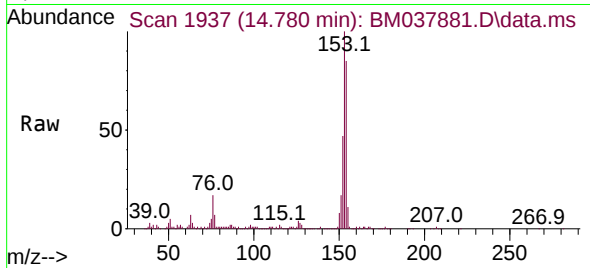
Tgt Ion:152 Resp: 714335
Ion Ratio Lower Upper
152 100
151 19.4 15.3 22.9
153 13.0 10.2 15.4





#52
Acenaphthene
Concen: 5.215 ng/ul
RT: 14.780 min Scan# 1937
Delta R.T. -0.000 min
Lab File: BM037881.D
Acq: 08 Dec 2022 11:36

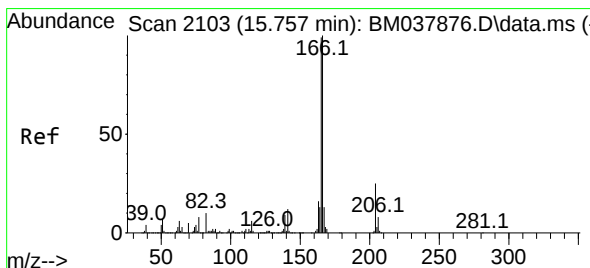
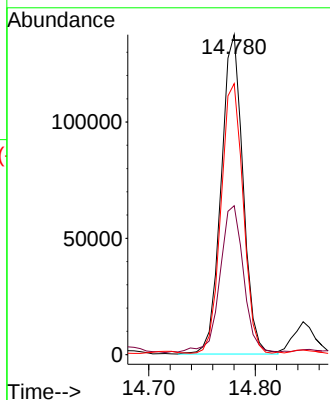
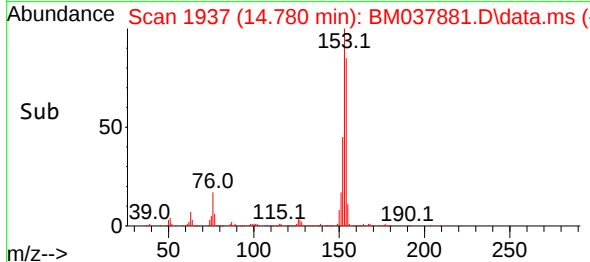
Instrument :
BNA_M
ClientSampleId :
DBXK3



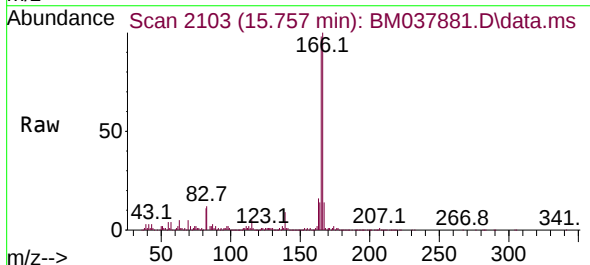
Tgt Ion:153 Resp: 196825
Ion Ratio Lower Upper
153 100
152 46.5 38.2 57.4
154 84.7 71.4 107.0

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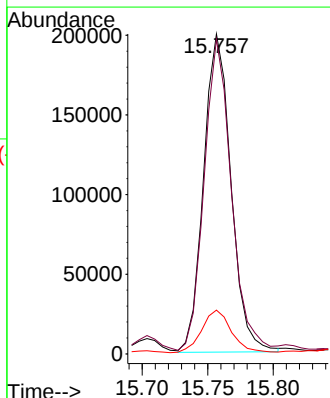
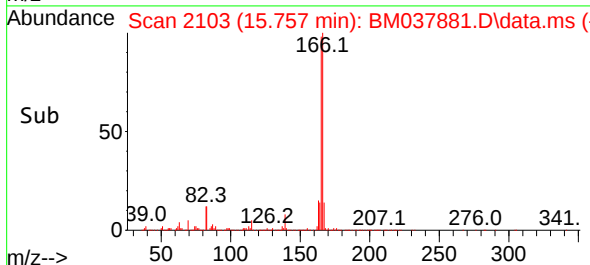
Reviewed By :Jagrut Upadhyay 12/09/2022
Supervised By :mohammad ahmed 12/10/2022

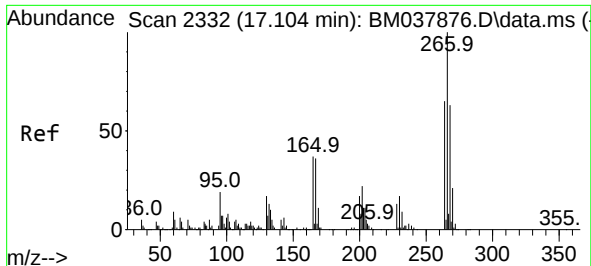


#61
Fluorene
Concen: 6.923 ng/ul
RT: 15.757 min Scan# 2103
Delta R.T. -0.006 min
Lab File: BM037881.D
Acq: 08 Dec 2022 11:36



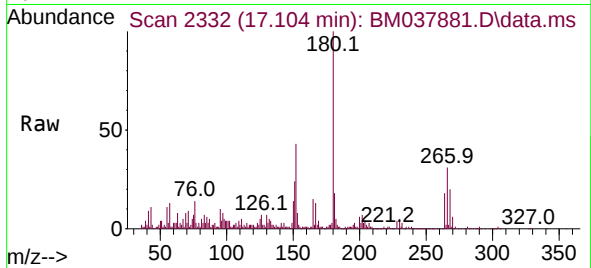
Tgt Ion:166 Resp: 290892
Ion Ratio Lower Upper
166 100
165 98.3 77.2 115.8
167 13.7 10.4 15.6





#71
 Pentachlorophenol
 Concen: 8.863 ng/ul
 RT: 17.104 min Scan# 2332
 Delta R.T. -0.000 min
 Lab File: BM037881.D
 Acq: 08 Dec 2022 11:36

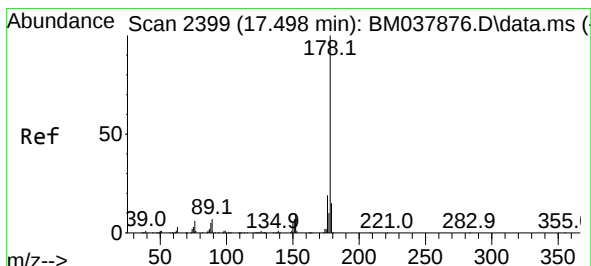
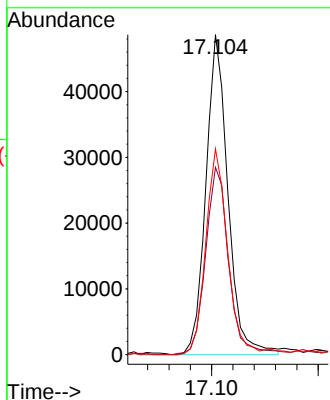
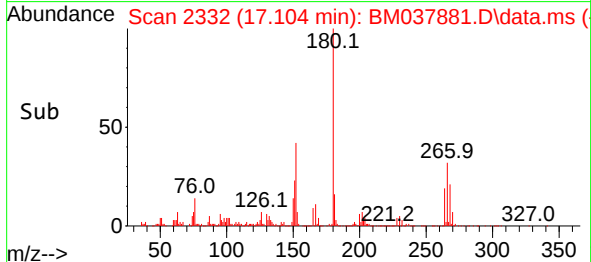
Instrument :
 BNA_M
 ClientSampleId :
 DBXK3



Tgt Ion:266 Resp: 69935
 Ion Ratio Lower Upper
 266 100
 264 58.5 50.1 75.1
 268 64.3 50.6 75.8

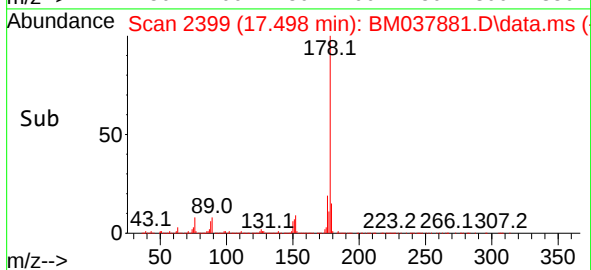
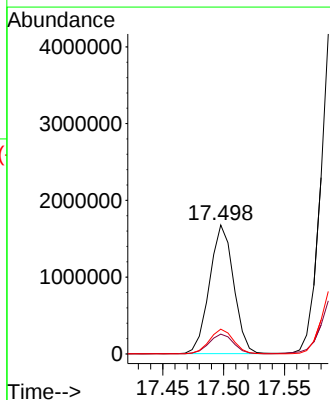
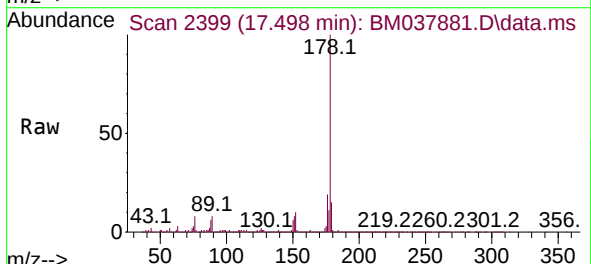
Manual Integrations
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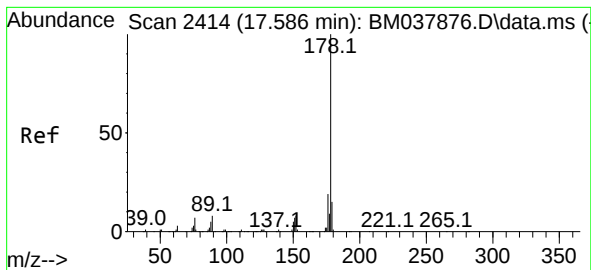
Reviewed By :Jagrut Upadhyay 12/09/2022
 Supervised By :mohammad ahmed 12/10/2022



#72
 Phenanthrene
 Concen: 39.027 ng/ul
 RT: 17.498 min Scan# 2399
 Delta R.T. -0.000 min
 Lab File: BM037881.D
 Acq: 08 Dec 2022 11:36

Tgt Ion:178 Resp: 2311751
 Ion Ratio Lower Upper
 178 100
 179 15.4 12.2 18.2
 176 19.2 15.4 23.0





#74

Anthracene

Concen: 228.305 ng/ul

RT: 17.604 min Scan# 2414

Delta R.T. 0.012 min

Lab File: BM037881.D

Acq: 08 Dec 2022 11:36

Instrument :

BNA_M

ClientSampleId :

DBXK3

Tgt Ion:178 Resp:13743256

Ion Ratio Lower Upper

178 100

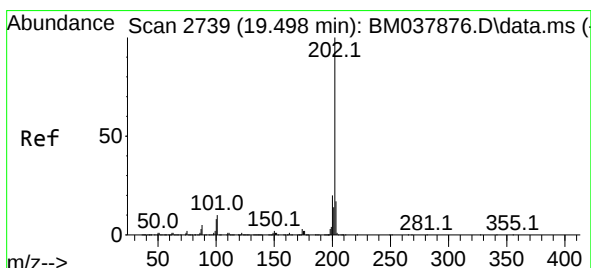
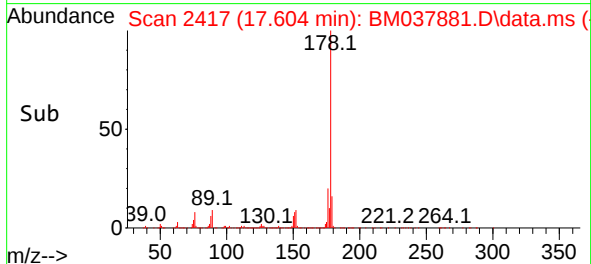
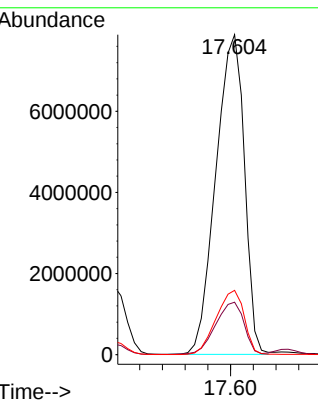
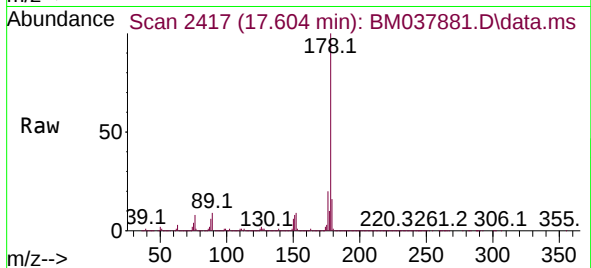
179 16.4 11.8 17.8

176 20.1 15.0 22.6

Manual Integrations

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#80

Fluoranthene

Concen: 79.576 ng/ul

RT: 19.509 min Scan# 2741

Delta R.T. 0.006 min

Lab File: BM037881.D

Acq: 08 Dec 2022 11:36

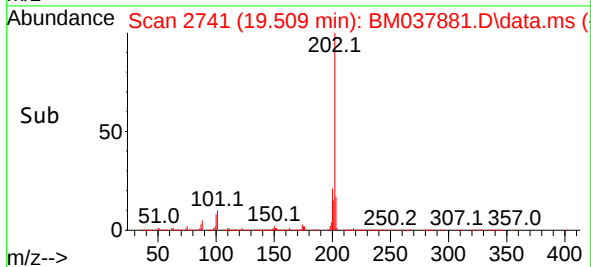
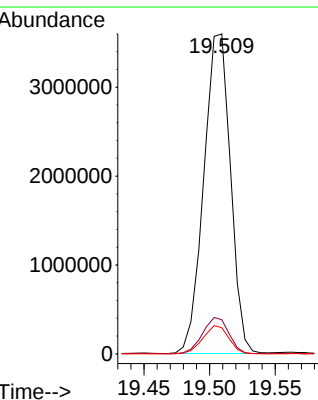
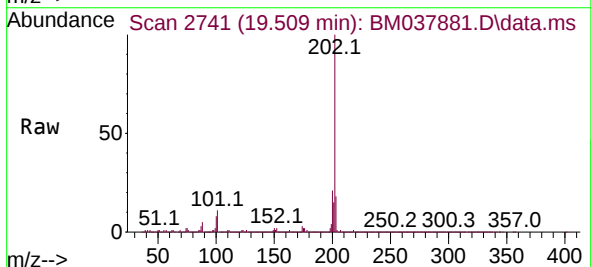
Tgt Ion:202 Resp: 5105518

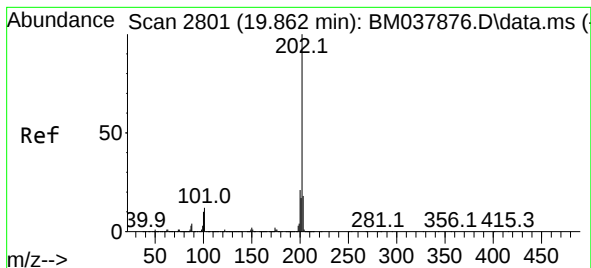
Ion Ratio Lower Upper

202 100

101 10.7 8.6 13.0

100 8.2 6.6 10.0





#82

Pyrene

Concen: 91.306 ng/ul

RT: 19.874 min Scan# 2803

Delta R.T. 0.006 min

Lab File: BM037881.D

Acq: 08 Dec 2022 11:36

Instrument :

BNA_M

ClientSampleId :

DBXK3

Tgt Ion:202 Resp: 6096803

Ion Ratio Lower Upper

202 100

101 12.8 10.0 15.0

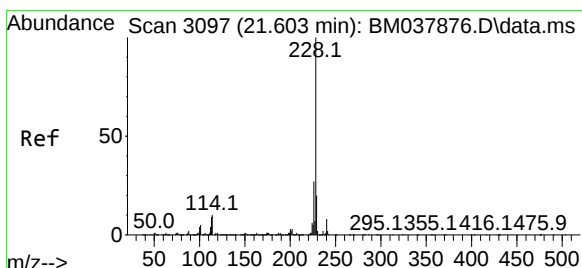
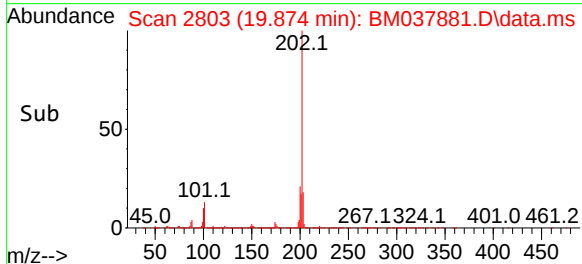
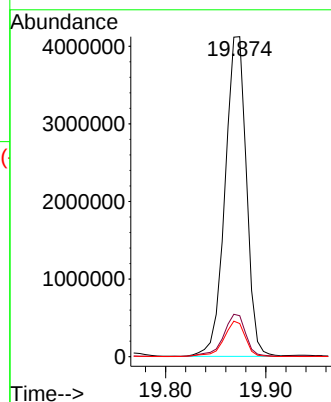
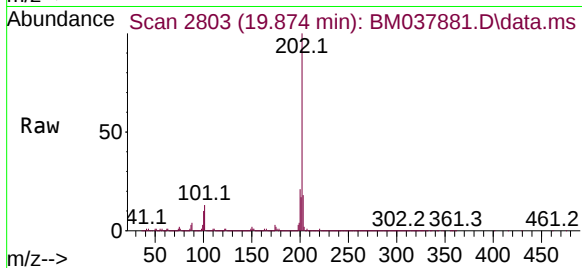
100 10.3 7.9 11.9

Manual Integrations

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Supervised By :mohammad ahmed 12/10/2022



#85

Benzo(a)anthracene

Concen: 59.193 ng/ul

RT: 21.615 min Scan# 3099

Delta R.T. 0.006 min

Lab File: BM037881.D

Acq: 08 Dec 2022 11:36

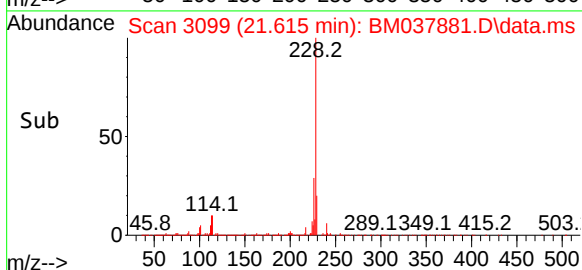
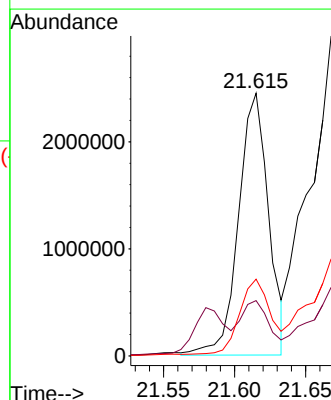
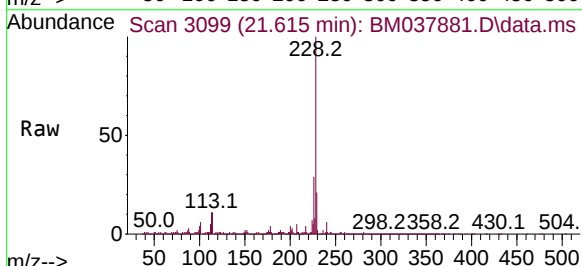
Tgt Ion:228 Resp: 3606492

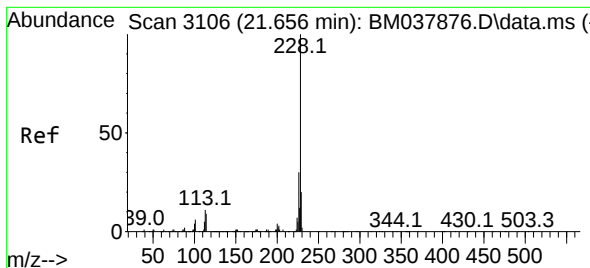
Ion Ratio Lower Upper

228 100

229 21.0 15.5 23.3

226 29.2 21.8 32.8





#87

Chrysene

Concen: 99.302 ng/ul

RT: 21.674 min Scan# 31

Delta R.T. 0.012 min

Lab File: BM037881.D

Acq: 08 Dec 2022 11:36

Instrument :

BNA_M

ClientSampleId :

DBXK3

Tgt Ion:228 Resp: 567661

Ion Ratio Lower Upper

228 100

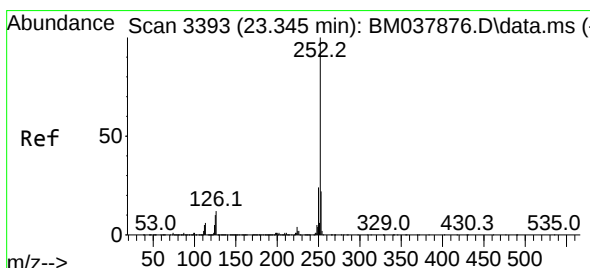
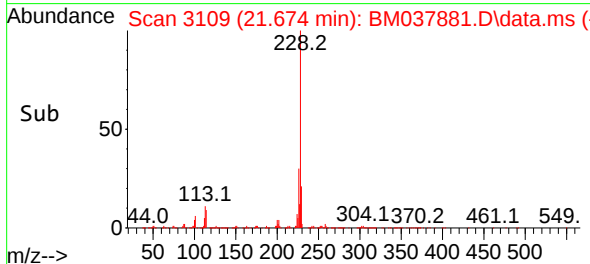
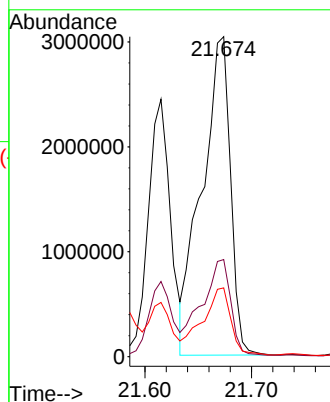
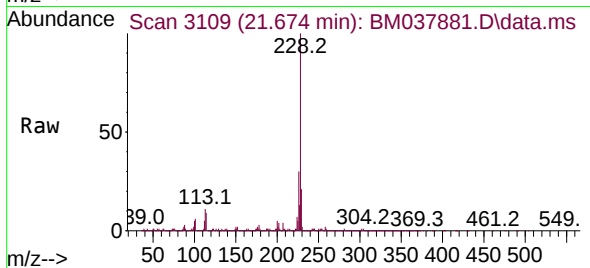
226 30.3 24.3 36.5

229 21.5 15.6 23.4

Manual Integrations

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



#90

Benzo(b)fluoranthene

Concen: 137.422 ng/ul

RT: 23.374 min Scan# 3398

Delta R.T. 0.029 min

Lab File: BM037881.D

Acq: 08 Dec 2022 11:36

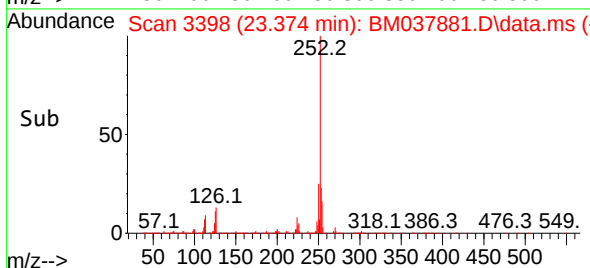
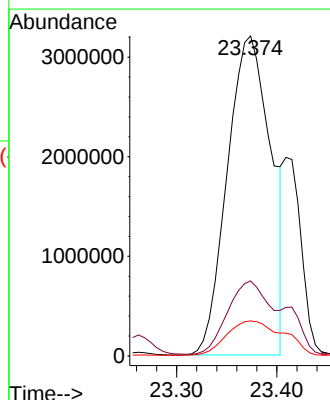
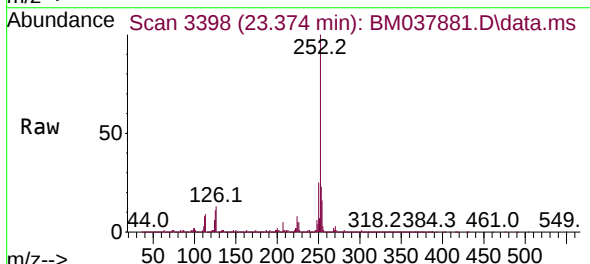
Tgt Ion:252 Resp: 9718411

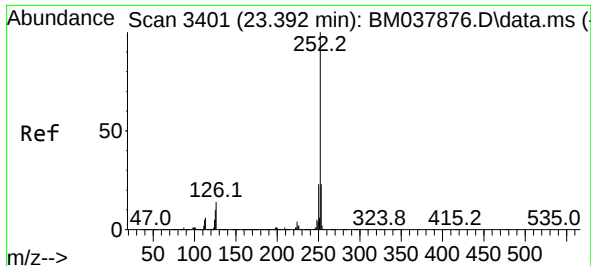
Ion Ratio Lower Upper

252 100

253 23.4 17.6 26.4

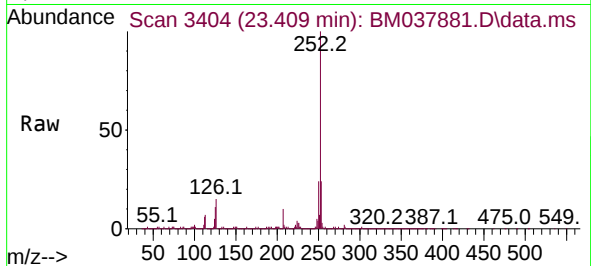
125 10.9 8.0 12.0





#91
Benzo(k)fluoranthene
Concen: 35.327 ng/ul m
RT: 23.409 min Scan# 3401
Delta R.T. 0.012 min
Lab File: BM037881.D
Acq: 08 Dec 2022 11:36

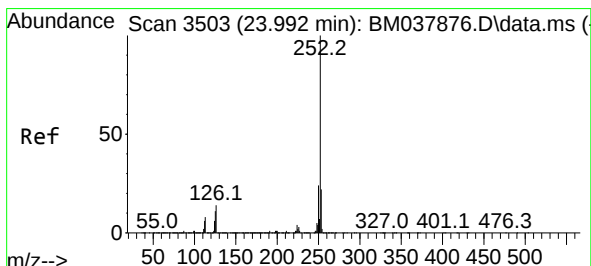
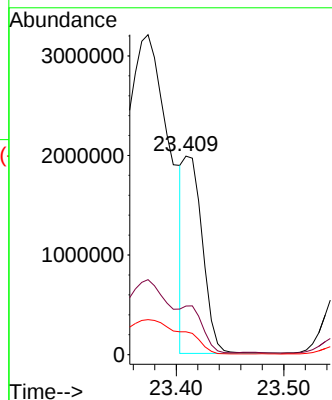
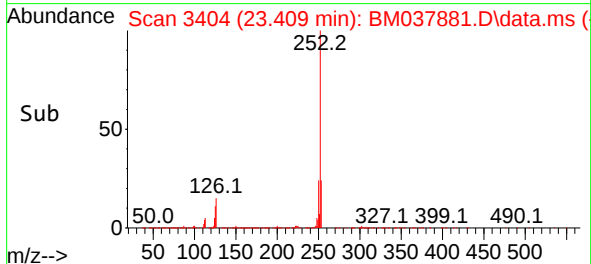
Instrument :
BNA_M
ClientSampleId :
DBXK3



Tgt Ion:252 Resp: 242126
Ion Ratio Lower Upper
252 100
253 24.4 17.4 26.2
125 11.5 8.1 12.1

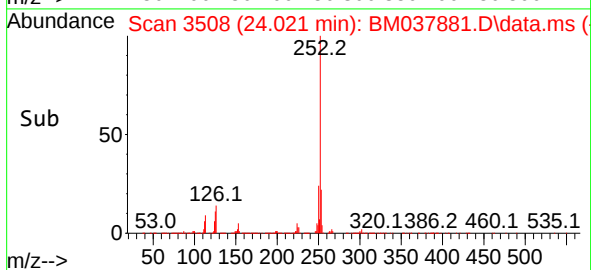
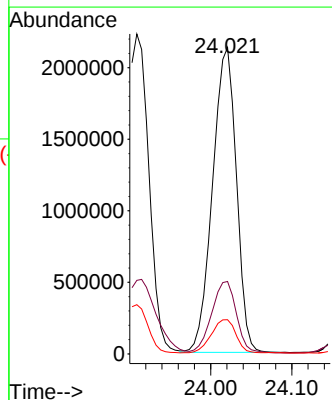
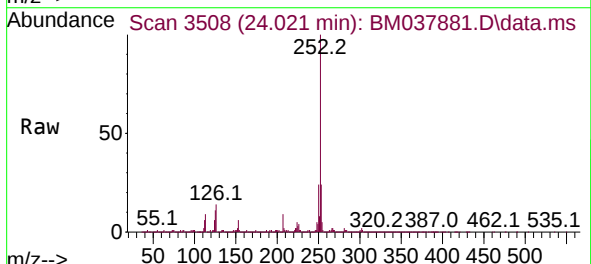
Manual Integrations
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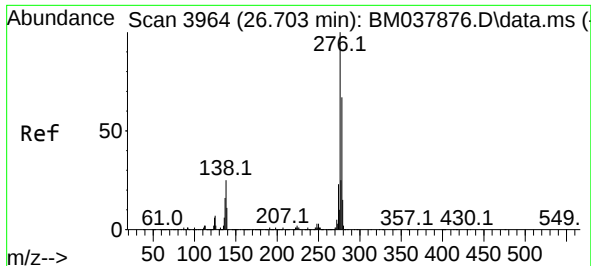
Reviewed By :Jagrut Upadhyay 12/09/2022
Supervised By :mohammad ahmed 12/10/2022



#93
Benzo(a)pyrene
Concen: 69.815 ng/ul
RT: 24.021 min Scan# 3508
Delta R.T. 0.023 min
Lab File: BM037881.D
Acq: 08 Dec 2022 11:36

Tgt Ion:252 Resp: 4341692
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.0
125 11.2 9.4 14.0





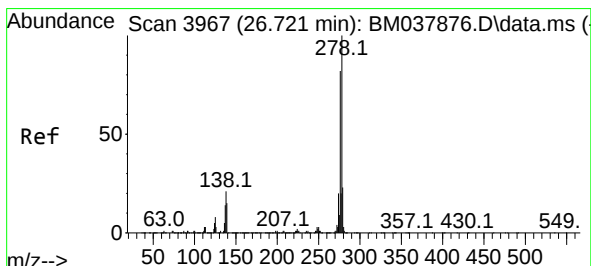
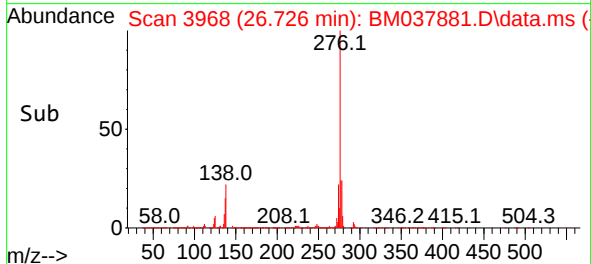
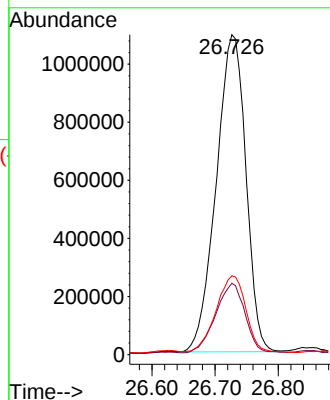
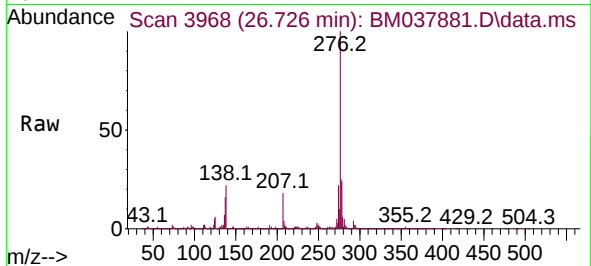
#94
Indeno(1,2,3-cd)pyrene
Concen: 44.415 ng/ul
RT: 26.726 min Scan# 3968
Delta R.T. 0.018 min
Lab File: BM037881.D
Acq: 08 Dec 2022 11:36

Instrument :
BNA_M
ClientSampleId :
DBXK3

Tgt Ion:276 Resp: 3557335
Ion Ratio Lower Upper
276 100
138 22.3 19.3 28.9
277 24.6 19.8 29.8

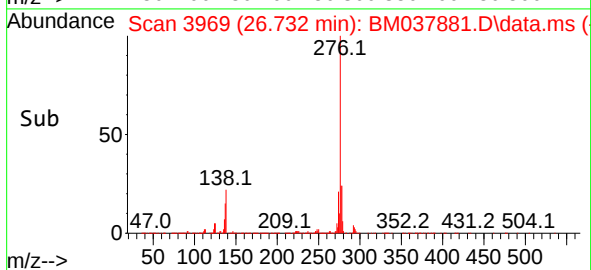
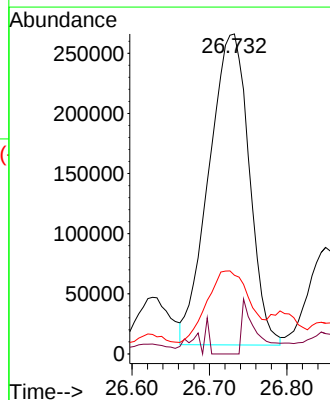
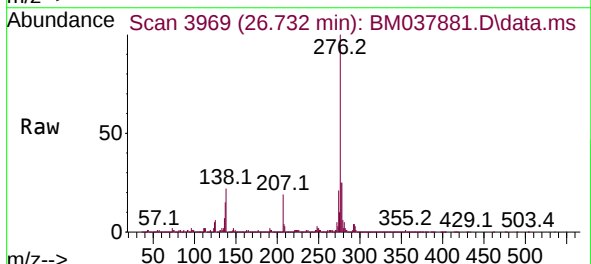
Manual Integrations
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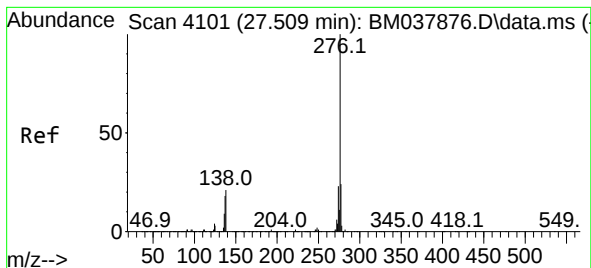
Reviewed By :Jagrut Upadhyay 12/09/2022
Supervised By :mohammad ahmed 12/10/2022



#95
Dibenzo(a,h)anthracene
Concen: 13.860 ng/ul
RT: 26.732 min Scan# 3969
Delta R.T. 0.006 min
Lab File: BM037881.D
Acq: 08 Dec 2022 11:36

Tgt Ion:278 Resp: 935798
Ion Ratio Lower Upper
278 100
139 0.0 12.4 18.6#
279 24.6 19.8 29.6





#96

Benzo(g,h,i)perylene

Concen: 43.766 ng/ul

RT: 27.538 min Scan# 4106

Delta R.T. 0.023 min

Lab File: BM037881.D

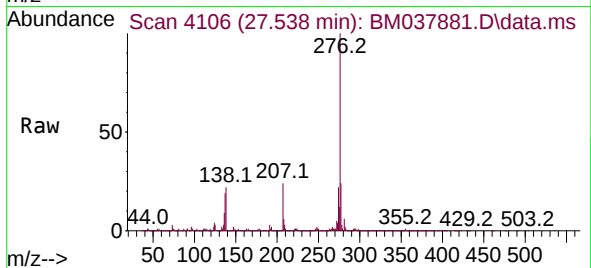
Acq: 08 Dec 2022 11:36

Instrument :

BNA_M

ClientSampleId :

DBXK3



Tgt Ion:276 Resp: 279869

Ion Ratio Lower Upper

276 100

138 21.8 17.1 25.7

277 24.4 18.2 27.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/09/2022

Supervised By :mohammad ahmed 12/10/2022

