

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120822\
 Data File : BM037891.D
 Acq On : 08 Dec 2022 17:50
 Operator : CG/JU
 Sample : N5832-15 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DBXL0

Manual Integrations
 APPROVED

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

Quant Time: Dec 08 22:40:45 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

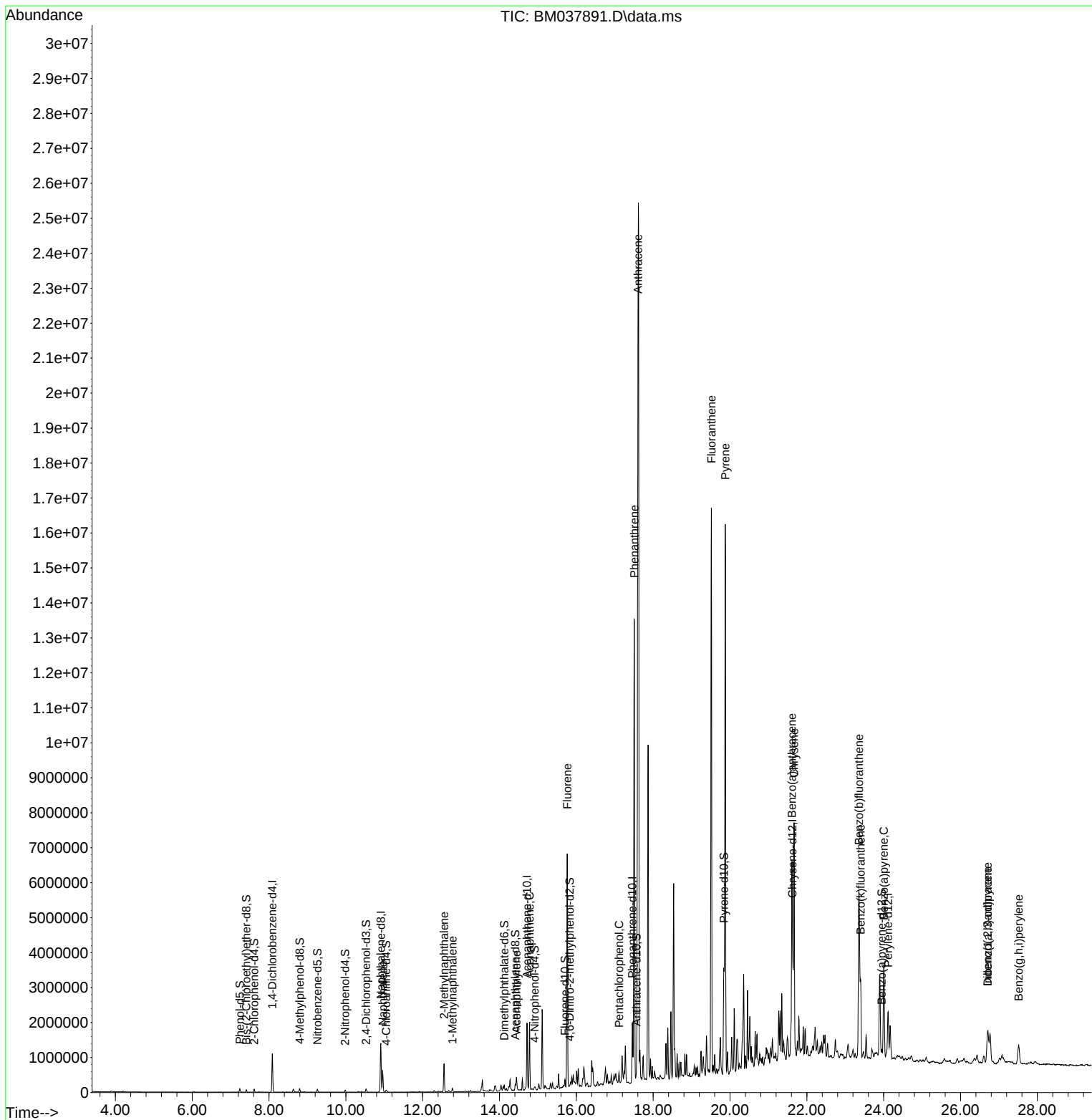
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

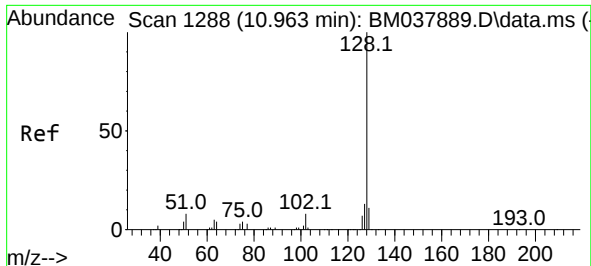
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.087	152	292760	20.000	ng/u1	0.00
20) Naphthalene-d8	10.910	136	1161640	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.716	164	635576	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.457	188	1143601	20.000	ng/u1	0.00
79) Chrysene-d12	21.627	240	882692	20.000	ng/u1	0.00
88) Perylene-d12	24.115	264	1068259	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.428	96	2134m	0.331	ng/uL	0.00
4) Pyridine-d5	3.887	84	16614m	0.869	ng/u1	0.02
7) Phenol-d5	7.240	99	48853	2.054	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.410	67	30238	2.087	ng/u1	0.00
11) 2-Chlorophenol-d4	7.616	132	40515	2.076	ng/u1	0.00
15) 4-Methylphenol-d8	8.798	113	37805	2.036	ng/u1	0.00
21) Nitrobenzene-d5	9.257	128	19173	2.085	ng/u1	0.00
24) 2-Nitrophenol-d4	9.981	143	19553	2.029	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.528	165	34789	1.900	ng/u1	0.00
31) 4-Chloroaniline-d4	11.051	131	27381	1.083	ng/u1	0.00
46) Dimethylphthalate-d6	14.122	166	103844	2.292	ng/u1	0.00
49) Acenaphthylene-d8	14.410	160	118435	2.139	ng/u1	0.00
54) 4-Nitrophenol-d4	14.916	143	9483	1.228	ng/u1	0.00
60) Fluorene-d10	15.704	176	92986	2.303	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.827	200	6566	1.074	ng/u1	0.00
73) Anthracene-d10	17.562	188	132487m	2.482	ng/u1	0.00
81) Pyrene-d10	19.839	212	132877	2.506	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.950	264	132602	2.485	ng/u1	0.00
Target Compounds						Qvalue
30) Naphthalene	10.957	128	490391	7.823	ng/u1	99
36) 2-Methylnaphthalene	12.557	142	374971	9.222	ng/u1	97
37) 1-Methylnaphthalene	12.775	142	45881	1.104	ng/u1	99
50) Acenaphthylene	14.439	152	303176	4.979	ng/u1	99
52) Acenaphthene	14.780	153	765135	18.166	ng/u1	98
61) Fluorene	15.763	166	2946580	62.832	ng/u1	100
71) Pentachlorophenol	17.110	266	14646	1.760	ng/u1	98
72) Phenanthrene	17.510	178	8937466	143.109	ng/u1	98
74) Anthracene	17.604	178	21435354m	337.740	ng/u1	
80) Fluoranthene	19.515	202	10844966	173.304	ng/u1	99
82) Pyrene	19.874	202	10748979	165.046	ng/u1	97
85) Benzo(a)anthracene	21.609	228	3094221	52.069	ng/u1	97
87) Chrysene	21.668	228	4072869	73.048	ng/u1	98
90) Benzo(b)fluoranthene	23.356	252	4512636	68.138	ng/u1	98
91) Benzo(k)fluoranthene	23.397	252	1482044m	23.090	ng/u1	
93) Benzo(a)pyrene	24.003	252	2040676	35.040	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.709	276	1051894	14.024	ng/u1	96
95) Dibenzo(a,h)anthracene	26.709	278	284636	4.501	ng/u1#	82
96) Benzo(g,h,i)perylene	27.515	276	732202	12.227	ng/u1	98

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

Manual Integrations APPROVED

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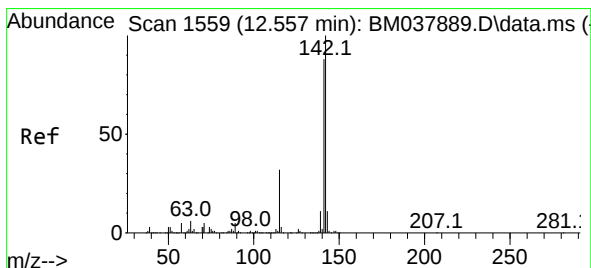
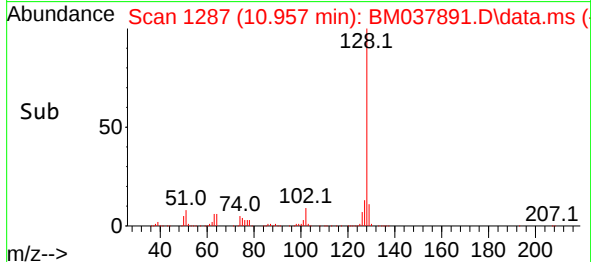
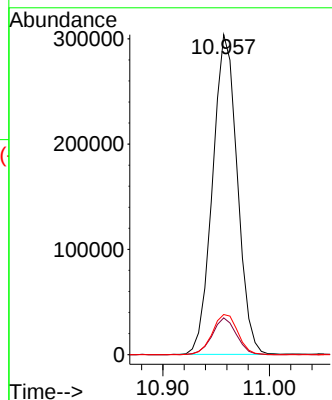
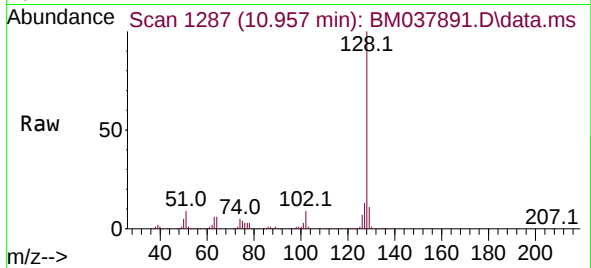
#30
Naphthalene
Concen: 7.823 ng/ul
RT: 10.957 min Scan# 1288
Delta R.T. -0.006 min
Lab File: BM037891.D
Acq: 08 Dec 2022 17:50

Instrument :
BNA_M
ClientSampleId :
DBXL0

Tgt Ion:128 Resp: 490391
Ion Ratio Lower Upper
128 100
129 11.5 9.0 13.4
127 12.5 10.4 15.6

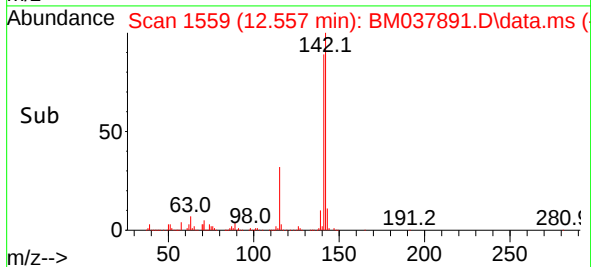
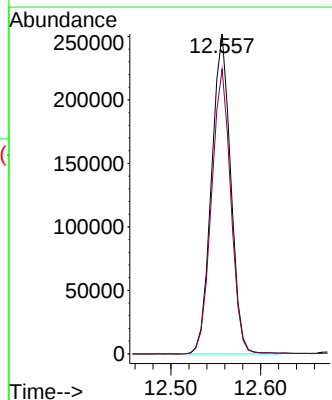
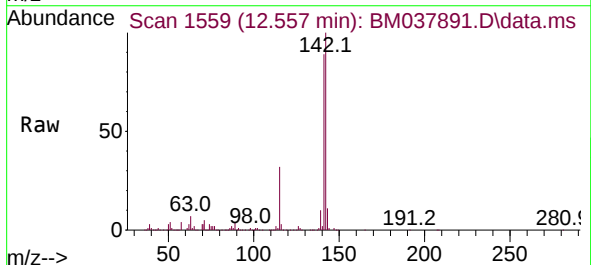
Manual Integrations
APPROVED

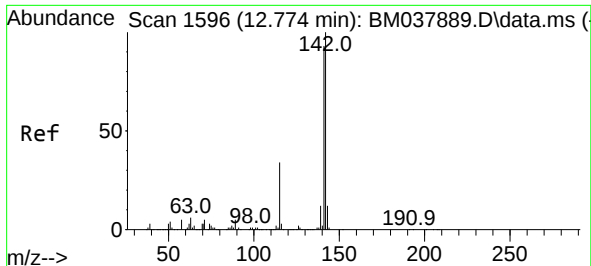
Reviewed By :Jagrut Upadhyay 12/09/2022
Supervised By :mohammad ahmed 12/10/2022



#36
2-Methylnaphthalene
Concen: 9.222 ng/ul
RT: 12.557 min Scan# 1559
Delta R.T. 0.000 min
Lab File: BM037891.D
Acq: 08 Dec 2022 17:50

Tgt Ion:142 Resp: 374971
Ion Ratio Lower Upper
142 100
141 89.0 69.4 104.0





#37

1-Methylnaphthalene

Concen: 1.104 ng/ul

RT: 12.775 min Scan# 11

Delta R.T. 0.000 min

Lab File: BM037891.D

Acq: 08 Dec 2022 17:50

Instrument :

BNA_M

ClientSampleId :

DBXL0

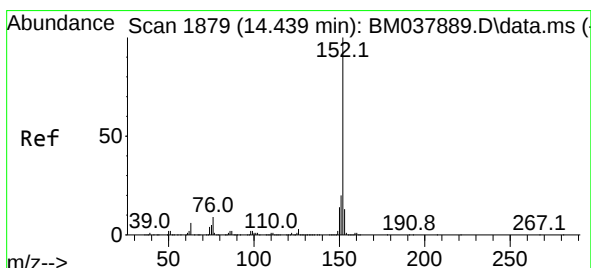
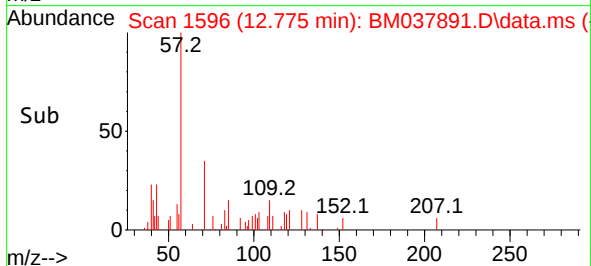
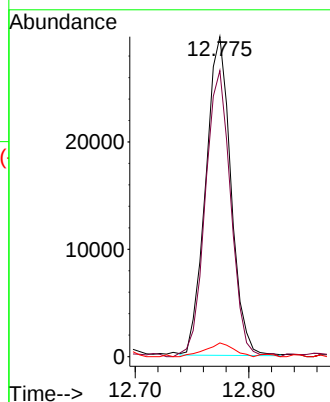
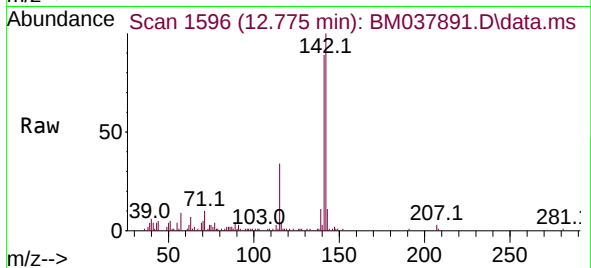
Tgt Ion:142 Resp: 4588

Ion	Ratio	Lower	Upper
142	100		
141	89.4	72.4	108.6
116	4.3	2.9	4.3

Manual Integrations

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#50

Acenaphthylene

Concen: 4.979 ng/ul

RT: 14.439 min Scan# 1879

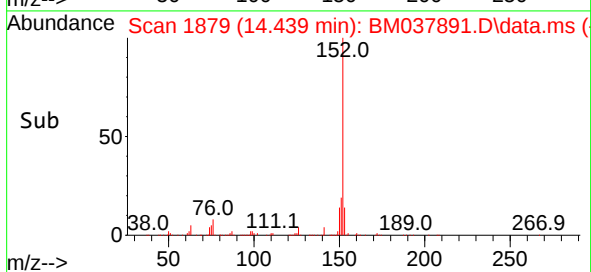
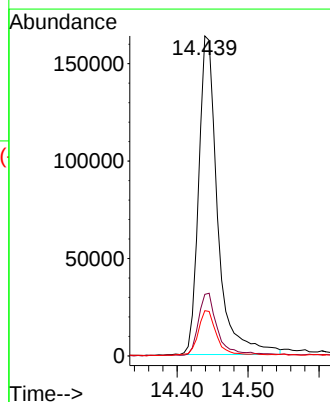
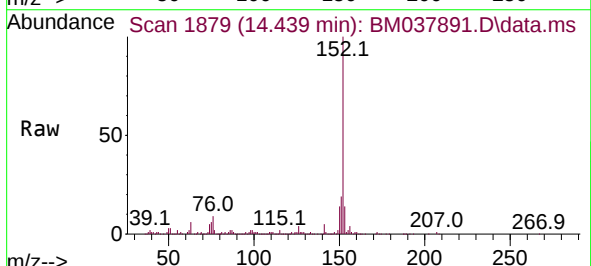
Delta R.T. -0.006 min

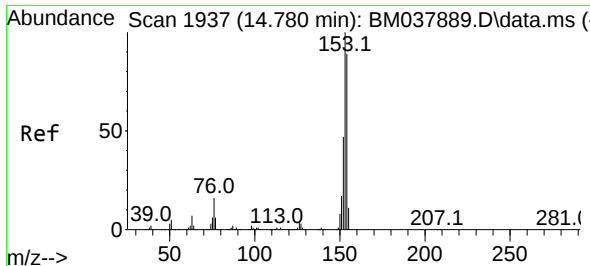
Lab File: BM037891.D

Acq: 08 Dec 2022 17:50

Tgt Ion:152 Resp: 303176

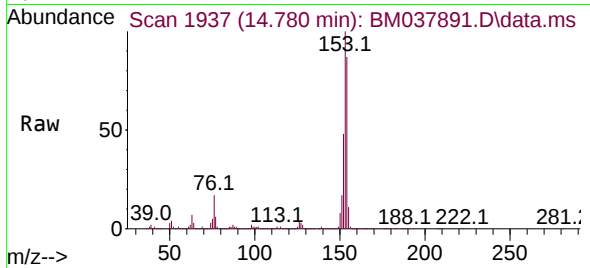
Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.3	22.9
153	14.1	10.2	15.4





#52
Acenaphthene
Concen: 18.166 ng/ul
RT: 14.780 min Scan# 1937
Delta R.T. 0.000 min
Lab File: BM037891.D
Acq: 08 Dec 2022 17:50

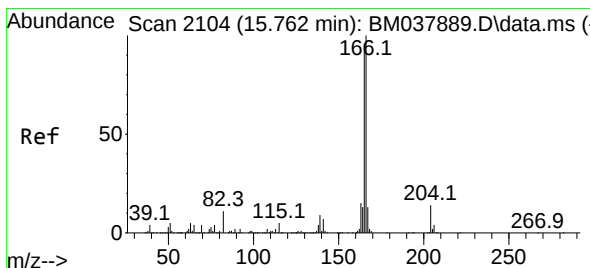
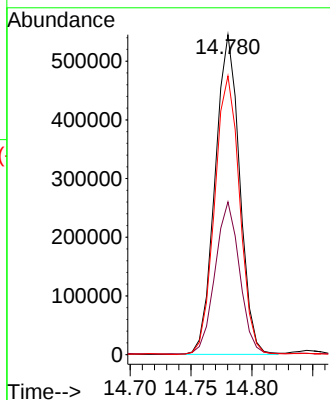
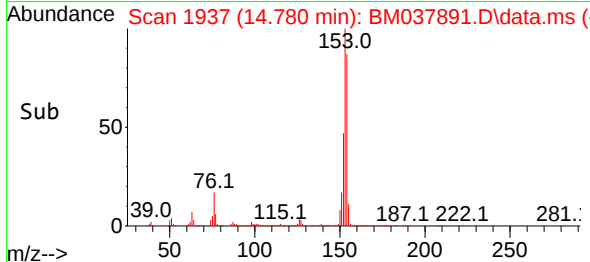
Instrument :
BNA_M
ClientSampleId :
DBXL0



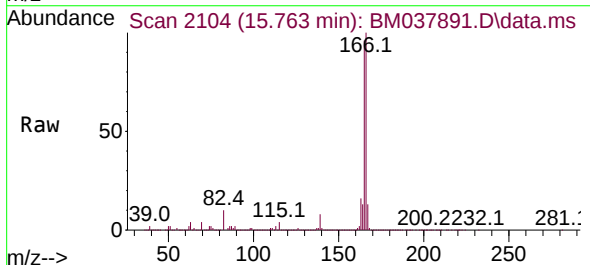
Tgt Ion:153 Resp: 765135
Ion Ratio Lower Upper
153 100
152 47.7 38.2 57.4
154 87.1 71.4 107.0

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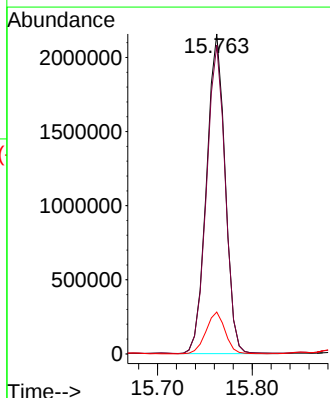
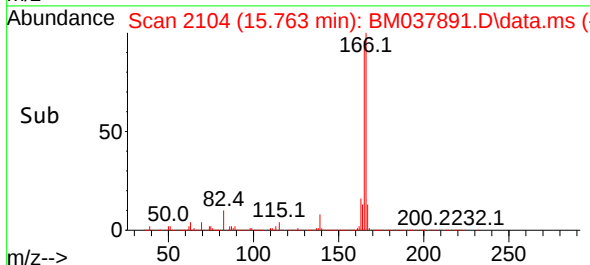
Reviewed By :Jagrut Upadhyay 12/09/2022
Supervised By :mohammad ahmed 12/10/2022

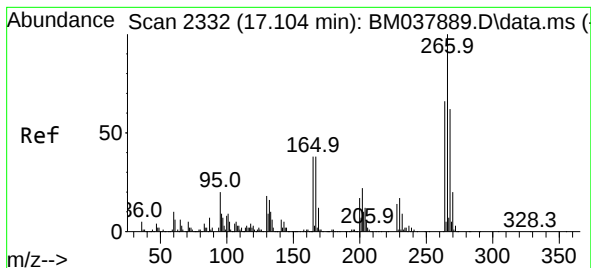


#61
Fluorene
Concen: 62.832 ng/ul
RT: 15.763 min Scan# 2104
Delta R.T. 0.000 min
Lab File: BM037891.D
Acq: 08 Dec 2022 17:50



Tgt Ion:166 Resp: 2946580
Ion Ratio Lower Upper
166 100
165 96.5 77.2 115.8
167 13.1 10.4 15.6





#71

Pentachlorophenol

Concen: 1.760 ng/ul

RT: 17.110 min Scan# 2332

Delta R.T. 0.006 min

Lab File: BM037891.D

Acq: 08 Dec 2022 17:50

Instrument :

BNA_M

ClientSampleId :

DBXL0

Tgt Ion:266 Resp: 14646

Ion Ratio Lower Upper

266 100

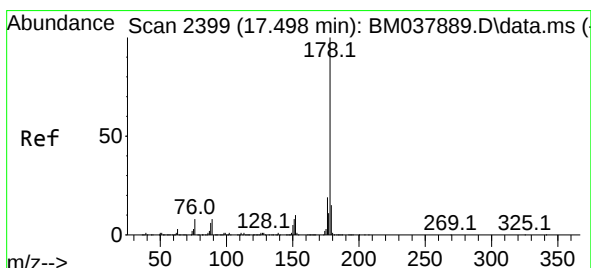
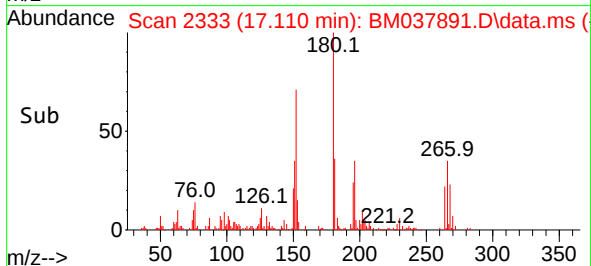
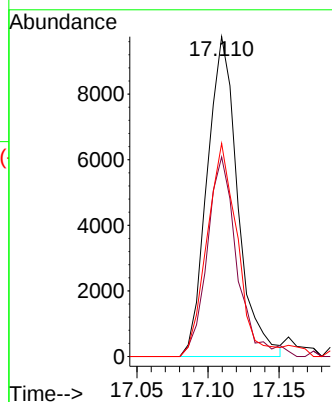
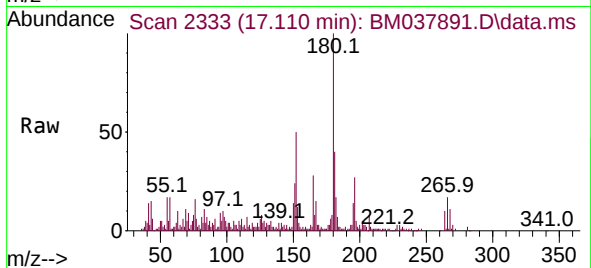
264 62.4 50.1 75.1

268 66.6 50.6 75.8

Manual Integrations

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#72

Phenanthrene

Concen: 143.109 ng/ul

RT: 17.510 min Scan# 2401

Delta R.T. 0.012 min

Lab File: BM037891.D

Acq: 08 Dec 2022 17:50

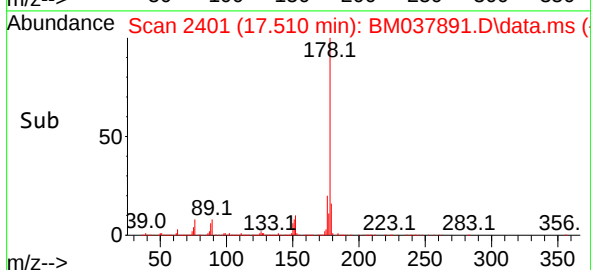
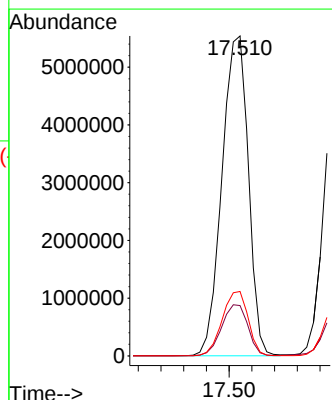
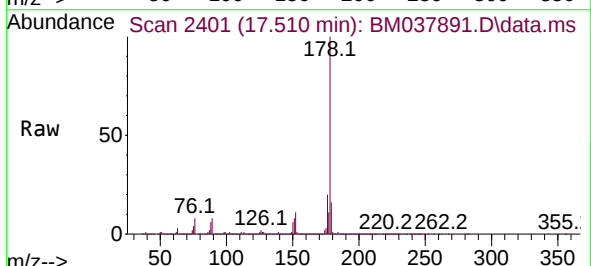
Tgt Ion:178 Resp: 8937466

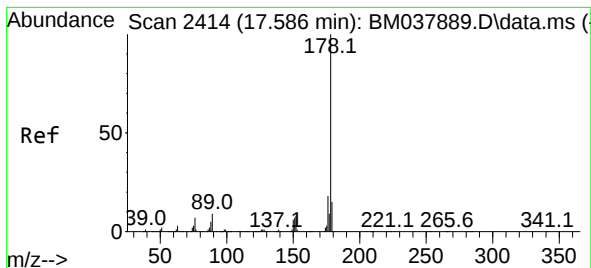
Ion Ratio Lower Upper

178 100

179 15.8 12.2 18.2

176 20.1 15.4 23.0





#74

Anthracene

Concen: 337.740 ng/ul m

RT: 17.604 min Scan# 2414

Delta R.T. 0.012 min

Lab File: BM037891.D

Acq: 08 Dec 2022 17:50

Instrument :

BNA_M

ClientSampleId :

DBXL0

Tgt Ion:178 Resp:21435354

Ion Ratio Lower Upper

178 100

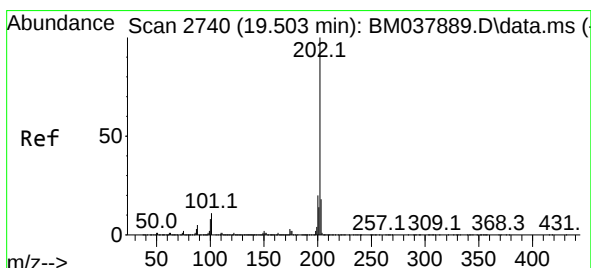
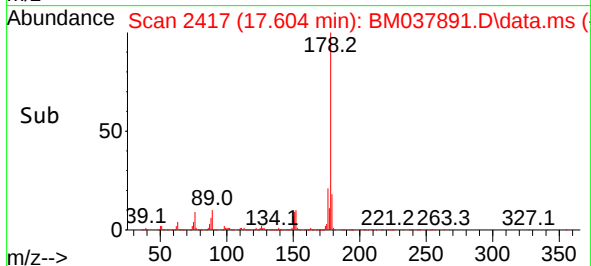
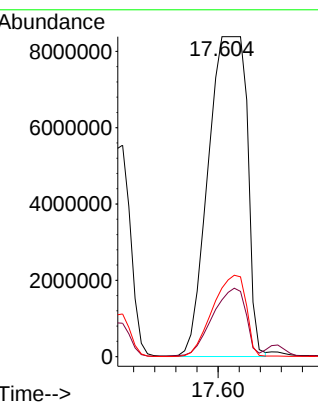
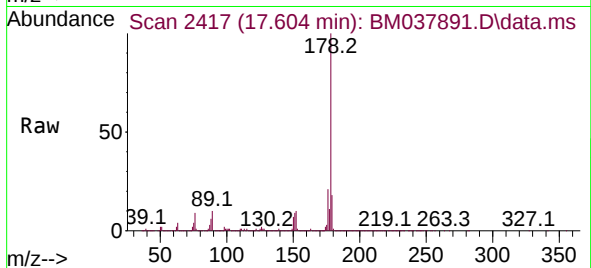
179 17.7 11.8 17.8

176 21.4 15.0 22.6

Manual Integrations

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Supervised By :mohammad ahmed 12/10/2022



#80

Fluoranthene

Concen: 173.304 ng/ul

RT: 19.515 min Scan# 2742

Delta R.T. 0.012 min

Lab File: BM037891.D

Acq: 08 Dec 2022 17:50

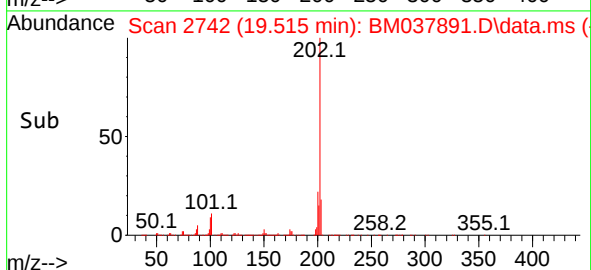
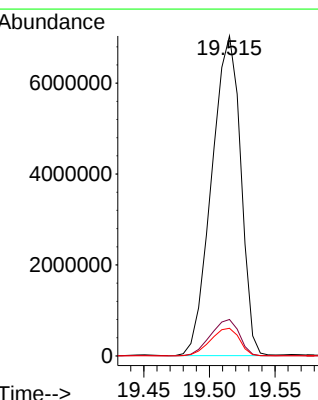
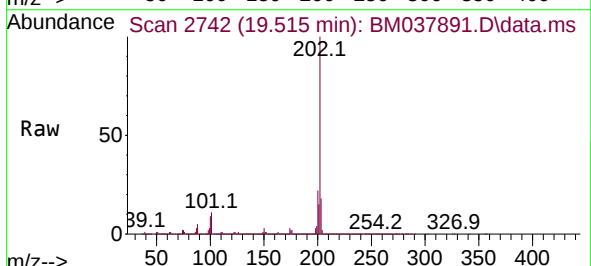
Tgt Ion:202 Resp:10844966

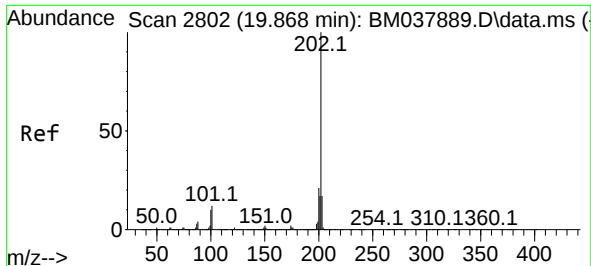
Ion Ratio Lower Upper

202 100

101 11.4 8.6 13.0

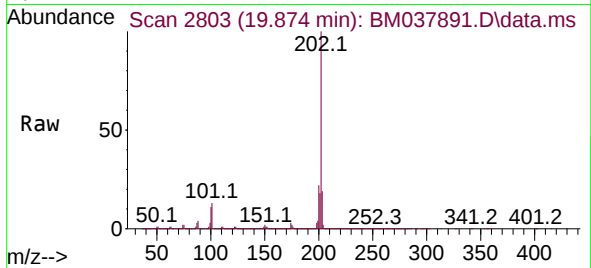
100 8.7 6.6 10.0





#82
Pyrene
Concen: 165.046 ng/ul
RT: 19.874 min Scan# 2802
Delta R.T. 0.006 min
Lab File: BM037891.D
Acq: 08 Dec 2022 17:50

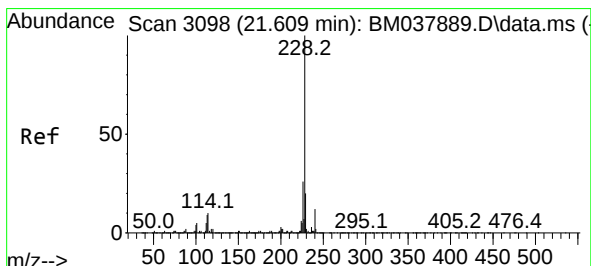
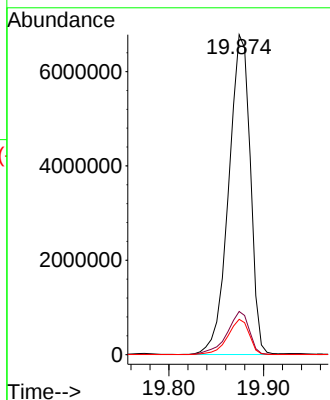
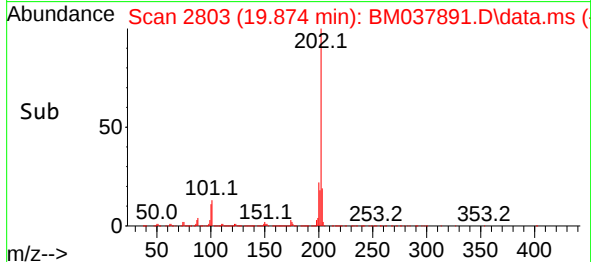
Instrument :
BNA_M
ClientSampleId :
DBXL0



Tgt Ion:202 Resp:10748979
Ion Ratio Lower Upper
202 100
101 13.5 10.0 15.0
100 11.0 7.9 11.9

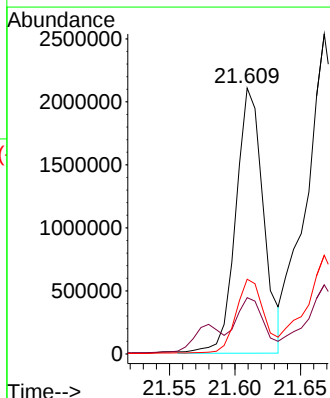
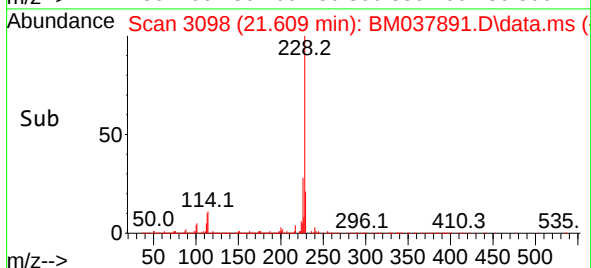
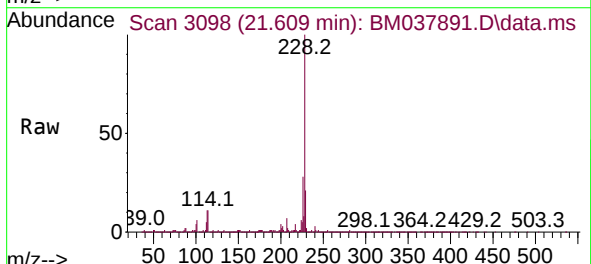
Manual Integrations
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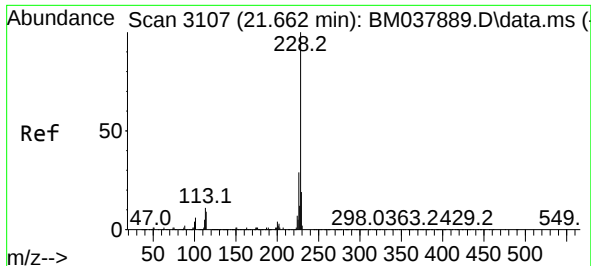
Reviewed By :Jagrut Upadhyay 12/09/2022
Supervised By :mohammad ahmed 12/10/2022



#85
Benzo(a)anthracene
Concen: 52.069 ng/ul
RT: 21.609 min Scan# 3098
Delta R.T. 0.000 min
Lab File: BM037891.D
Acq: 08 Dec 2022 17:50

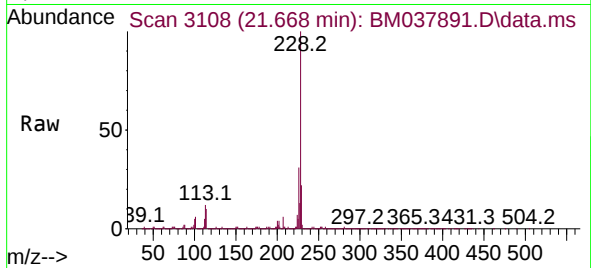
Tgt Ion:228 Resp: 3094221
Ion Ratio Lower Upper
228 100
229 21.2 15.5 23.3
226 28.1 21.8 32.8





#87
Chrysene
Concen: 73.048 ng/ul
RT: 21.668 min Scan# 3108
Delta R.T. 0.006 min
Lab File: BM037891.D
Acq: 08 Dec 2022 17:50

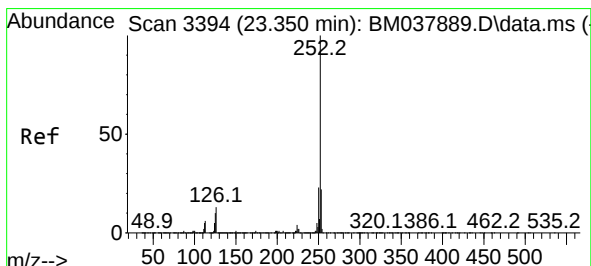
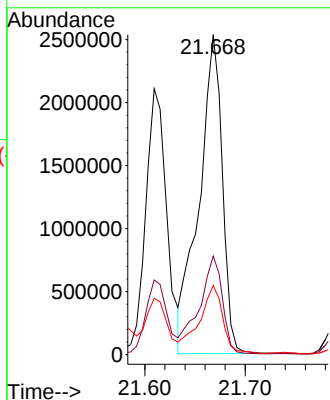
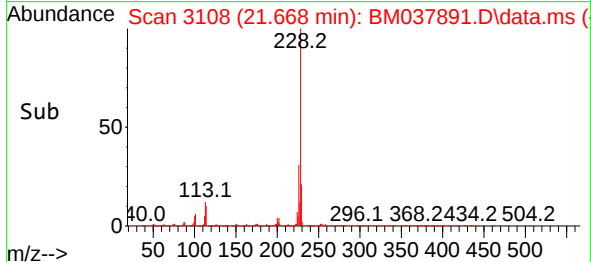
Instrument :
BNA_M
ClientSampleId :
DBXL0



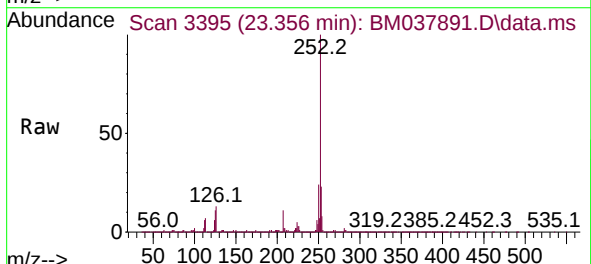
Tgt Ion:228 Resp: 4072869
Ion Ratio Lower Upper
228 100
226 30.8 24.3 36.5
229 21.6 15.6 23.4

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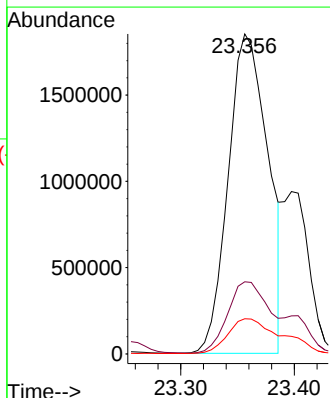
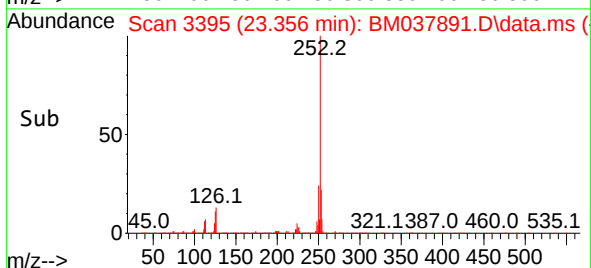
Reviewed By :Jagrut Upadhyay 12/09/2022
Supervised By :mohammad ahmed 12/10/2022

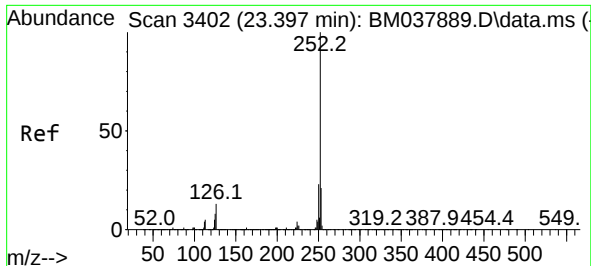


#90
Benzo(b)fluoranthene
Concen: 68.138 ng/ul
RT: 23.356 min Scan# 3395
Delta R.T. 0.012 min
Lab File: BM037891.D
Acq: 08 Dec 2022 17:50



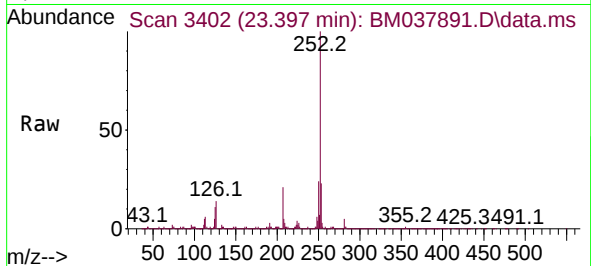
Tgt Ion:252 Resp: 4512636
Ion Ratio Lower Upper
252 100
253 22.5 17.6 26.4
125 11.0 8.0 12.0





#91
Benzo(k)fluoranthene
Concen: 23.090 ng/ul m
RT: 23.397 min Scan# 34
Delta R.T. 0.000 min
Lab File: BM037891.D
Acq: 08 Dec 2022 17:50

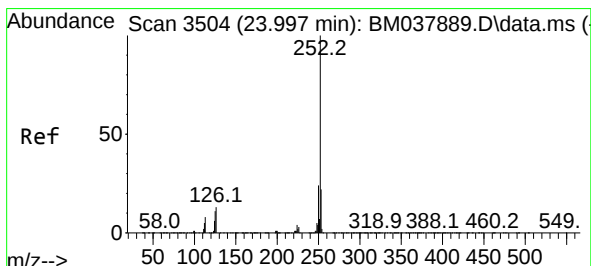
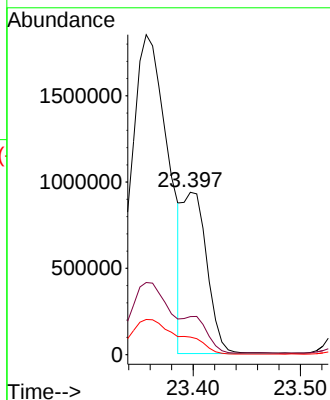
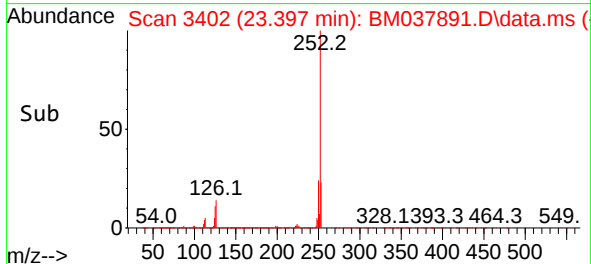
Instrument :
BNA_M
ClientSampleId :
DBXL0



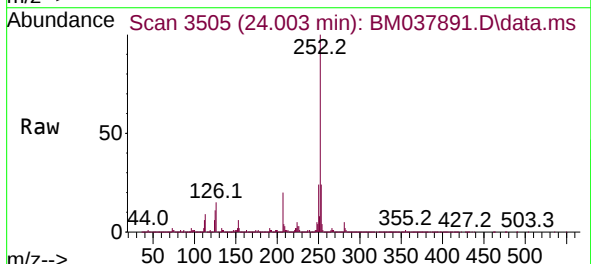
Tgt Ion:252 Resp: 1482044
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.2
125 10.8 8.1 12.1

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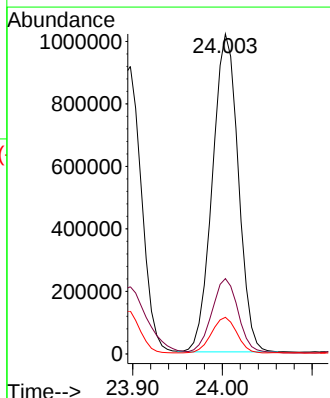
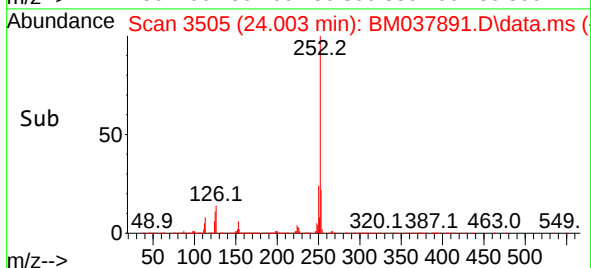
Reviewed By :Jagrut Upadhyay 12/09/2022
Supervised By :mohammad ahmed 12/10/2022

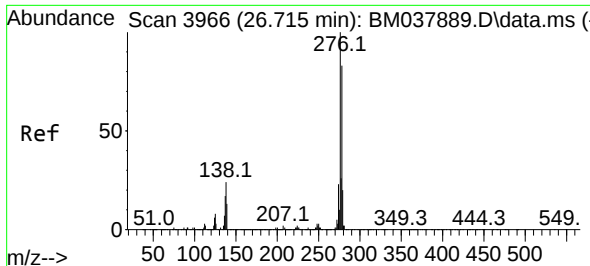


#93
Benzo(a)pyrene
Concen: 35.040 ng/ul
RT: 24.003 min Scan# 3505
Delta R.T. 0.006 min
Lab File: BM037891.D
Acq: 08 Dec 2022 17:50



Tgt Ion:252 Resp: 2040676
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.0
125 11.4 9.4 14.0





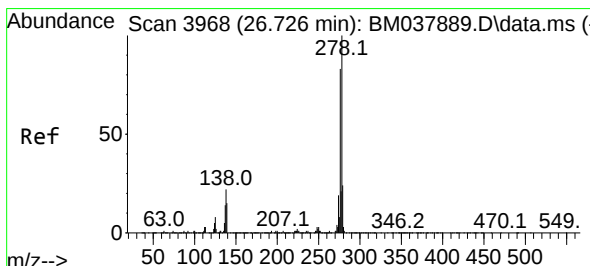
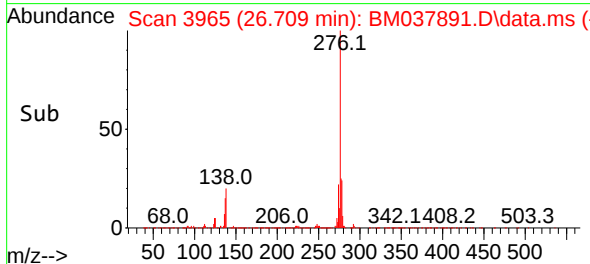
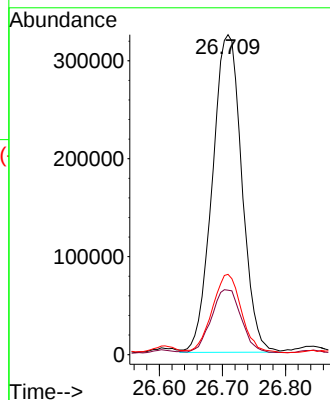
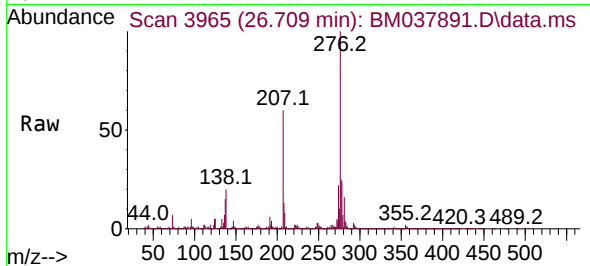
#94
Indeno(1,2,3-cd)pyrene
Concen: 14.024 ng/ul
RT: 26.709 min Scan# 3965
Delta R.T. 0.000 min
Lab File: BM037891.D
Acq: 08 Dec 2022 17:50

Instrument :
BNA_M
ClientSampleId :
DBXL0

Tgt Ion:276 Resp: 1051894
Ion Ratio Lower Upper
276 100
138 20.1 19.3 28.9
277 25.1 19.8 29.8

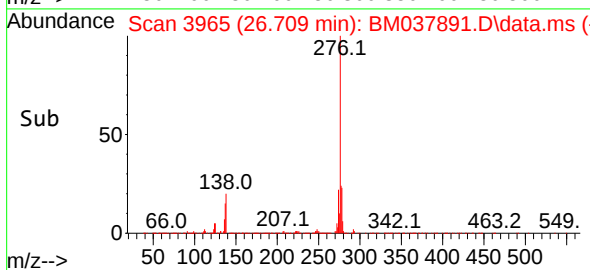
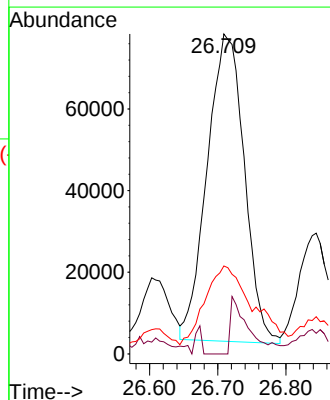
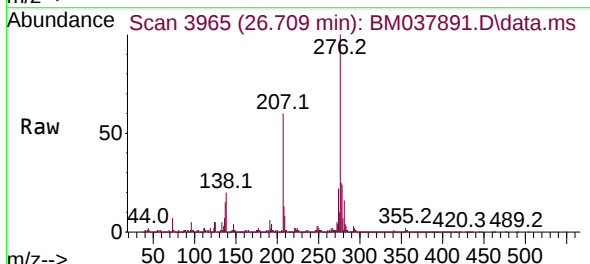
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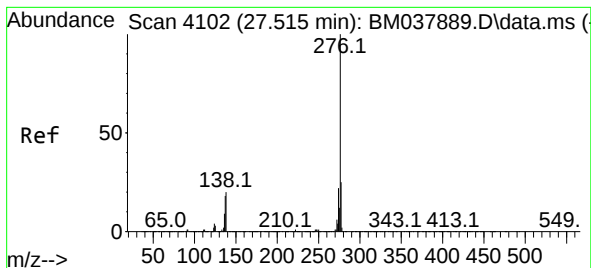
Reviewed By :Jagrut Upadhyay 12/09/2022
Supervised By :mohammad ahmed 12/10/2022



#95
Dibenzo(a,h)anthracene
Concen: 4.501 ng/ul
RT: 26.709 min Scan# 3965
Delta R.T. -0.018 min
Lab File: BM037891.D
Acq: 08 Dec 2022 17:50

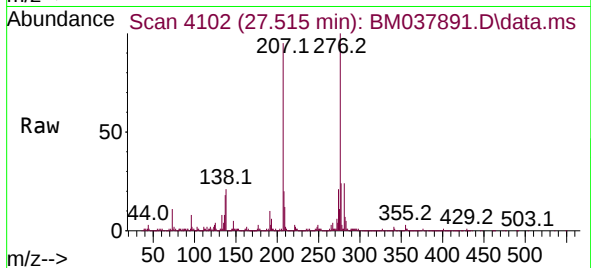
Tgt Ion:278 Resp: 284636
Ion Ratio Lower Upper
278 100
139 0.0 12.4 18.6#
279 27.5 19.8 29.6





#96
Benzo(g,h,i)perylene
Concen: 12.227 ng/ul
RT: 27.515 min Scan# 41
Delta R.T. 0.000 min
Lab File: BM037891.D
Acq: 08 Dec 2022 17:50

Instrument :
BNA_M
ClientSampleId :
DBXL0



Tgt Ion:276 Resp: 732202
Ion Ratio Lower Upper
276 100
138 20.9 17.1 25.7
277 23.9 18.2 27.4

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

