

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM022824\
 Data File : BM044439.D
 Acq On : 29 Feb 2024 14:50
 Operator : MA/JU
 Sample : P1512-09
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E0SC0

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/01/2024
 Supervised By :mohammad ahmed 03/02/2024

Quant Time: Feb 29 15:52:13 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM022324.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Feb 29 03:37:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.951	152	185935	20.000	ng/u1	0.00
20) Naphthalene-d8	10.763	136	846595	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.592	164	487220	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.345	188	1017186	20.000	ng/u1	0.00
79) Chrysene-d12	21.539	240	884226	20.000	ng/u1	0.00
88) Perylene-d12	23.962	264	974637	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.369	96	33362	5.661	ng/uL	0.00
4) Pyridine-d5	3.787	84	436656	27.131	ng/u1	0.00
7) Phenol-d5	7.116	99	594457	33.374	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.298	67	376261	32.621	ng/u1	0.00
11) 2-Chlorophenol-d4	7.481	132	469962	35.032	ng/u1	0.00
15) 4-Methylphenol-d8	8.669	113	337275	25.025	ng/u1	0.00
21) Nitrobenzene-d5	9.128	128	229183	33.295	ng/u1	0.00
24) 2-Nitrophenol-d4	9.845	143	226129	32.199	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.381	165	412692	33.313	ng/u1	0.00
31) 4-Chloroaniline-d4	10.910	131	289626	13.920	ng/u1	0.00
46) Dimethylphthalate-d6	14.021	166	1269802	33.792	ng/u1	0.00
49) Acenaphthylene-d8	14.286	160	1512622	34.987	ng/u1	0.00
54) 4-Nitrophenol-d4	14.804	143	159384	21.316	ng/u1	0.00
60) Fluorene-d10	15.586	176	1137539	35.766	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.710	200	99402	15.749	ng/u1	0.00
73) Anthracene-d10	17.445	188	1653147	34.085	ng/u1	0.00
81) Pyrene-d10	19.739	212	1946078	36.583	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.803	264	1758932	35.220	ng/u1	0.00
Target Compounds					Qvalue	
6) Benzaldehyde	7.098	77	70520	9.121	ng/u1	97
8) Phenol	7.145	94	41529	2.243	ng/u1	95
16) Acetophenone	8.792	105	112398	5.220	ng/u1	99
30) Naphthalene	10.810	128	144290	2.997	ng/u1	99
52) Acenaphthene	14.657	153	84223	2.491	ng/u1	97
56) Dibenzofuran	14.992	168	71779	1.582	ng/u1	100
61) Fluorene	15.645	166	121559	3.335	ng/u1	99
72) Phenanthrene	17.386	178	1150828	19.722	ng/u1	99
74) Anthracene	17.474	178	404516	6.885	ng/u1	98
77) Carbazole	17.751	167	103013	1.865	ng/u1	99
80) Fluoranthene	19.403	202	2005109	31.428	ng/u1	99
82) Pyrene	19.768	202	1702288	25.442	ng/u1	98
85) Benzo(a)anthracene	21.521	228	1041780	15.797	ng/u1	97
87) Chrysene	21.574	228	893424	14.412	ng/u1	98
90) Benzo(b)fluoranthene	23.227	252	1168602	18.703	ng/u1	98
91) Benzo(k)fluoranthene	23.268	252	403747m	6.291	ng/u1	
93) Benzo(a)pyrene	23.856	252	856314	14.215	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	26.485	276	501803	6.888	ng/u1	96
95) Dibenzo(a,h)anthracene	26.503	278	151309m	2.485	ng/u1	
96) Benzo(g,h,i)perylene	27.262	276	485747	8.243	ng/u1	99

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

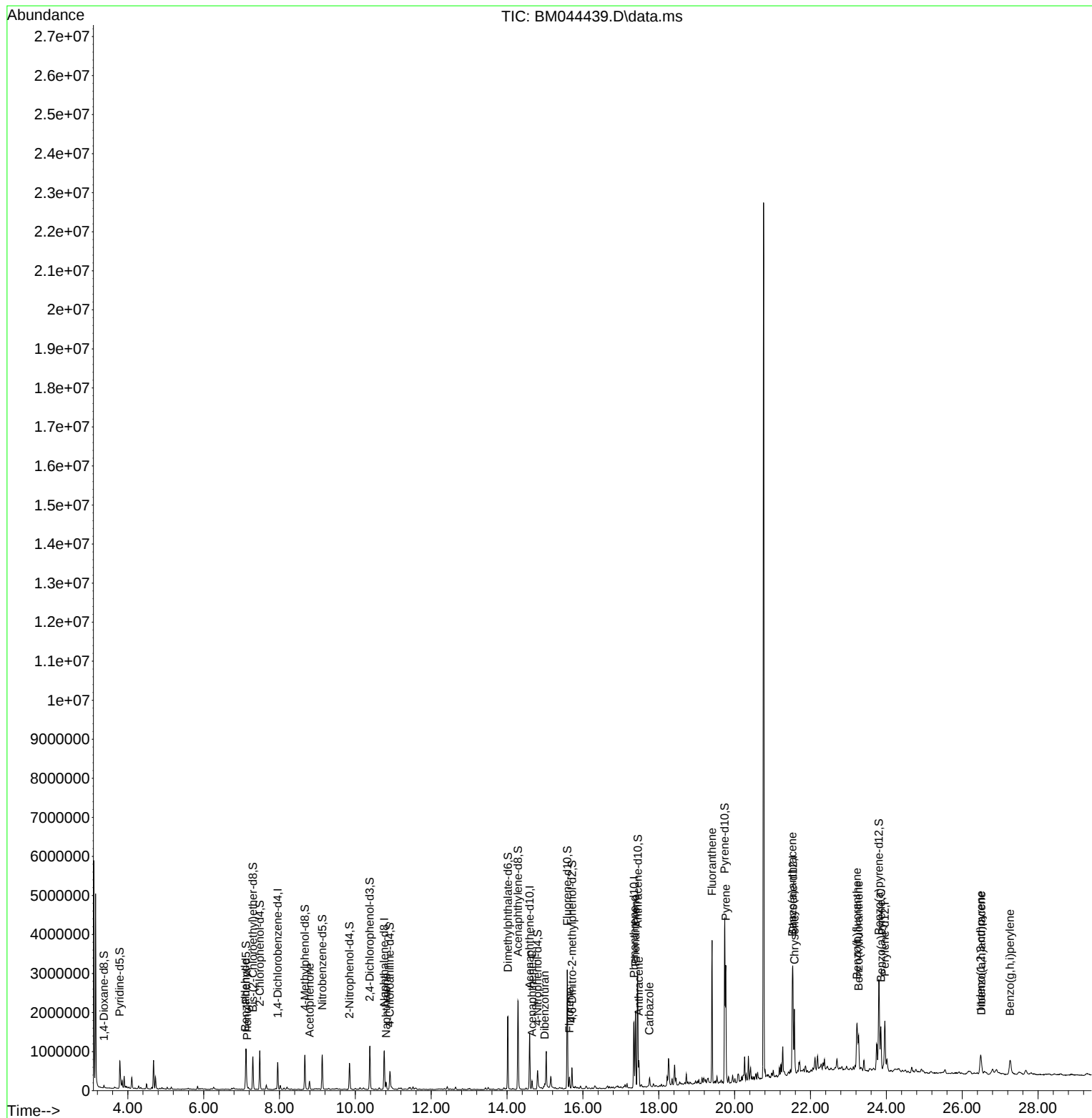
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM022824\
Data File : BM044439.D
Acq On : 29 Feb 2024 14:50
Operator : MA/JU
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Misc :
ALS Vial : 39 Sample Multiplier: 1

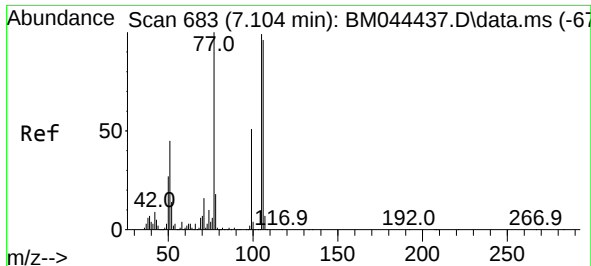
Instrument :
BNA_M
ClientSampleId :
E0SC0

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Quant Title : SVOA CALIBRATION
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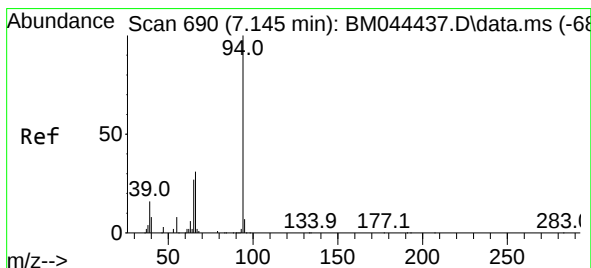
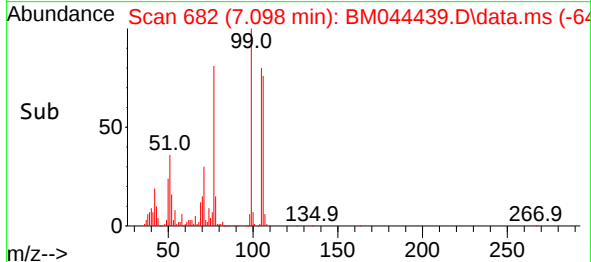
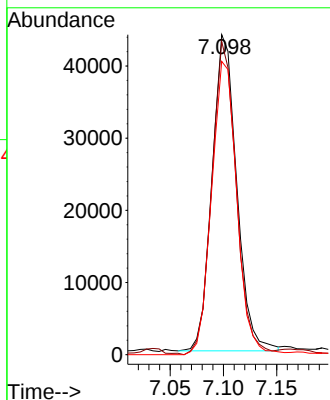
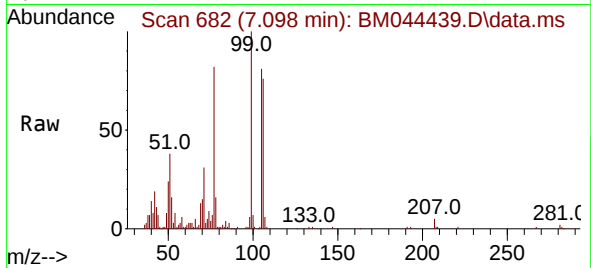
#6
Benzaldehyde
Concen: 9.121 ng/ul
RT: 7.098 min Scan# 682
Delta R.T. -0.000 min
Lab File: BM044439.D
Acq: 29 Feb 2024 14:50

Instrument :
BNA_M
ClientSampleId :
E0SC0

Tgt Ion: 77 Resp: 70520
Ion Ratio Lower Upper
77 100
105 97.8 79.0 118.6
106 91.7 77.4 116.2

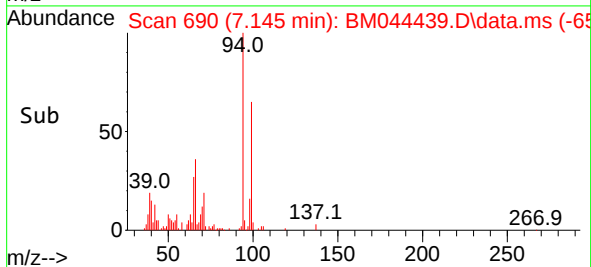
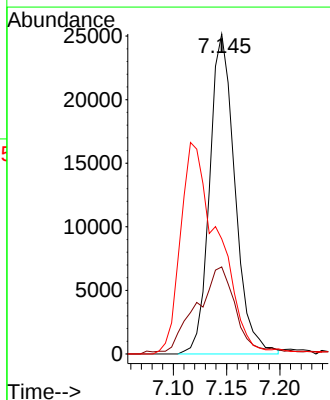
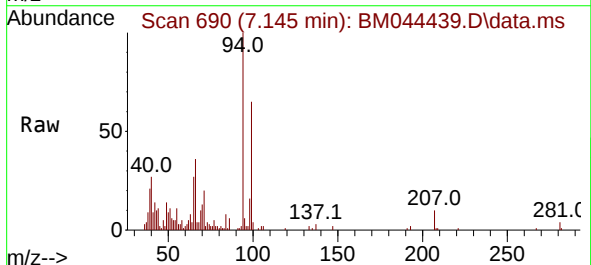
Manual Integrations
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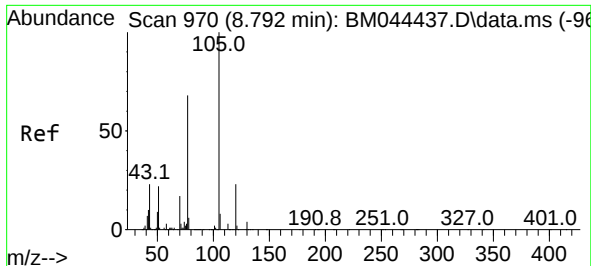
Reviewed By :Yogesh Patel 03/01/2024
Supervised By :mohammad ahmed 03/02/2024



#8
Phenol
Concen: 2.243 ng/ul
RT: 7.145 min Scan# 690
Delta R.T. 0.006 min
Lab File: BM044439.D
Acq: 29 Feb 2024 14:50

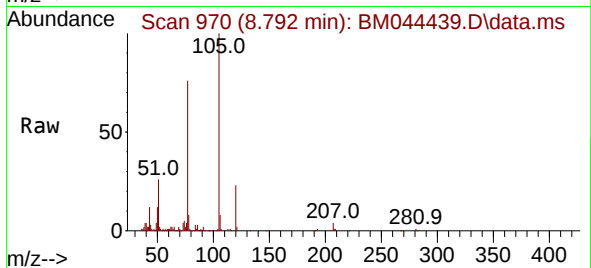
Tgt Ion: 94 Resp: 41529
Ion Ratio Lower Upper
94 100
65 27.2 20.6 31.0
66 36.0 25.4 38.0





#16
Acetophenone
Concen: 5.220 ng/ul
RT: 8.792 min Scan# 91
Delta R.T. 0.006 min
Lab File: BM044439.D
Acq: 29 Feb 2024 14:50

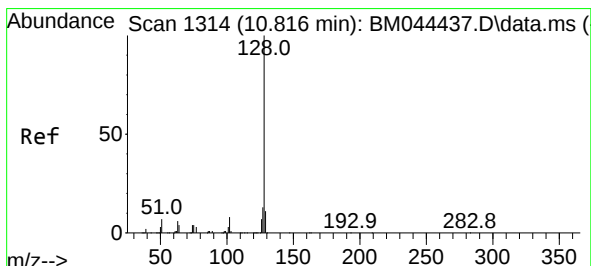
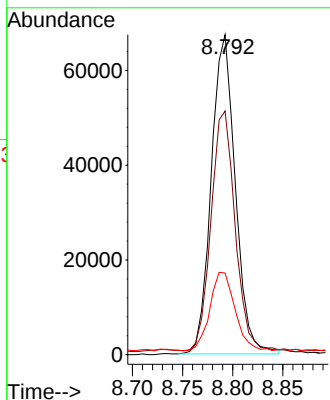
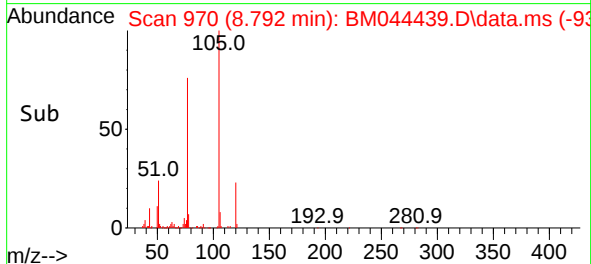
Instrument :
BNA_M
ClientSampleId :
E0SC0



Tgt Ion:105 Resp: 112398
Ion Ratio Lower Upper
105 100
77 76.1 61.2 91.8
51 25.5 21.1 31.7

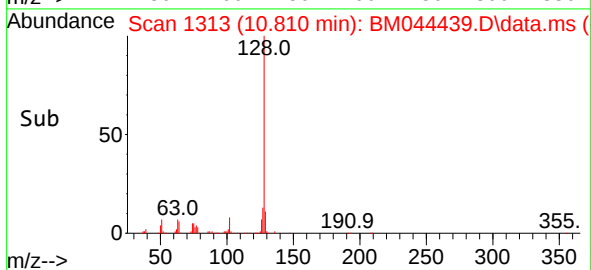
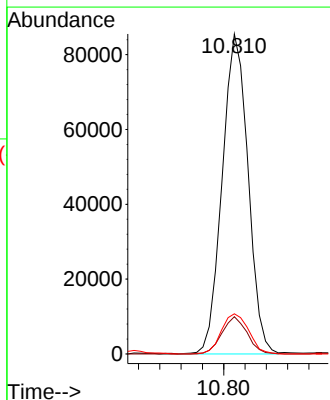
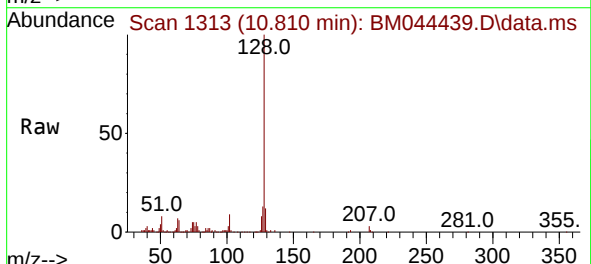
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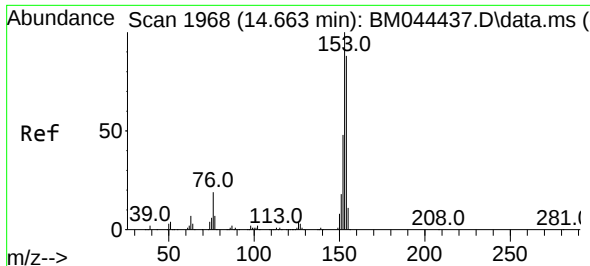
Reviewed By :Yogesh Patel 03/01/2024
Supervised By :mohammad ahmed 03/02/2024



#30
Naphthalene
Concen: 2.997 ng/ul
RT: 10.810 min Scan# 1313
Delta R.T. -0.000 min
Lab File: BM044439.D
Acq: 29 Feb 2024 14:50

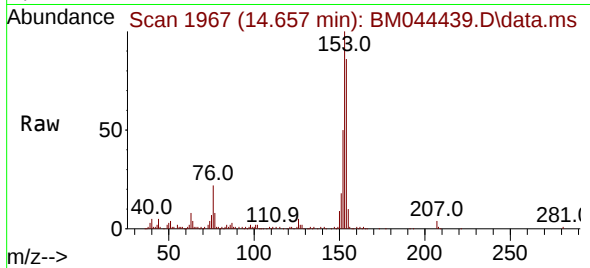
Tgt Ion:128 Resp: 144290
Ion Ratio Lower Upper
128 100
129 11.7 8.8 13.2
127 12.5 10.2 15.2





#52
Acenaphthene
Concen: 2.491 ng/ul
RT: 14.657 min Scan# 1968
Delta R.T. -0.000 min
Lab File: BM044439.D
Acq: 29 Feb 2024 14:50

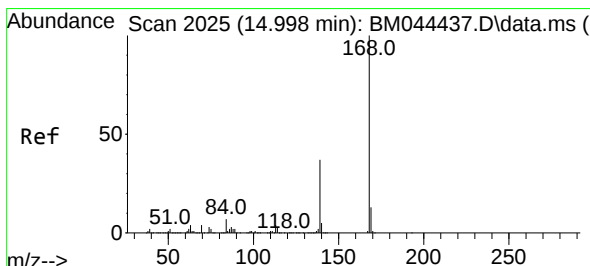
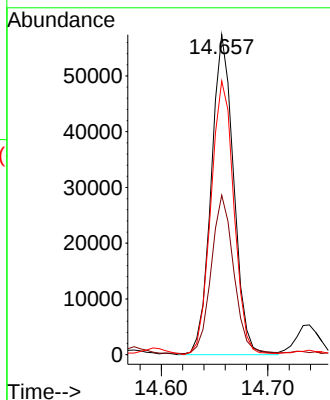
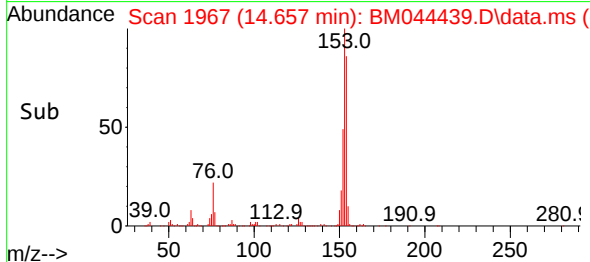
Instrument :
BNA_M
ClientSampleId :
E0SC0



Tgt Ion:153 Resp: 8422
Ion Ratio Lower Upper
153 100
152 49.9 38.5 57.7
154 85.5 70.8 106.2

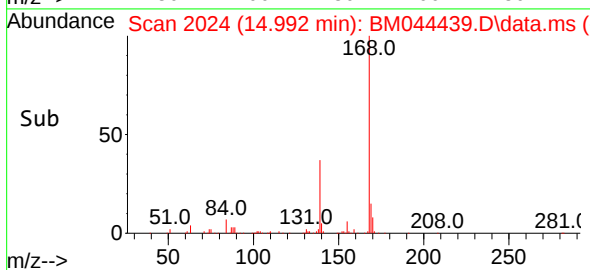
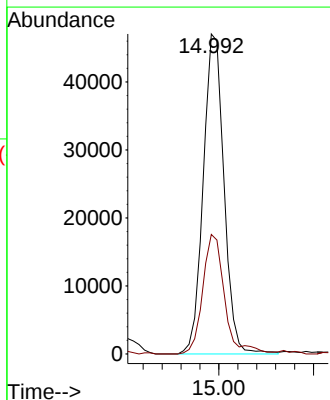
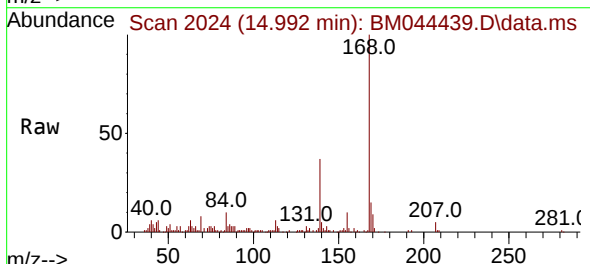
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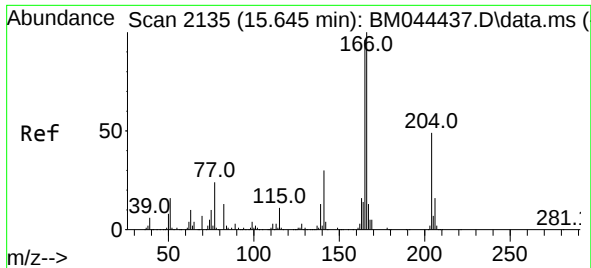
Reviewed By :Yogesh Patel 03/01/2024
Supervised By :mohammad ahmed 03/02/2024



#56
Dibenzofuran
Concen: 1.582 ng/ul
RT: 14.992 min Scan# 2024
Delta R.T. -0.000 min
Lab File: BM044439.D
Acq: 29 Feb 2024 14:50

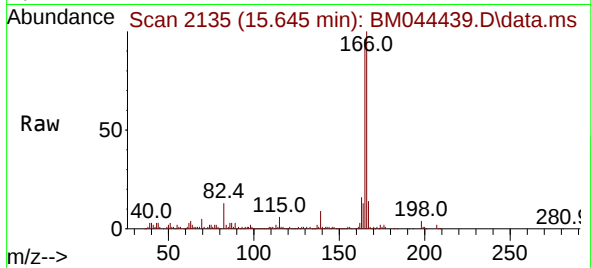
Tgt Ion:168 Resp: 71779
Ion Ratio Lower Upper
168 100
139 37.4 29.9 44.9





#61
Fluorene
Concen: 3.335 ng/ul
RT: 15.645 min Scan# 2135
Delta R.T. 0.006 min
Lab File: BM044439.D
Acq: 29 Feb 2024 14:50

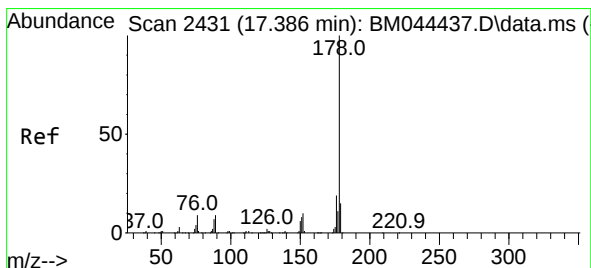
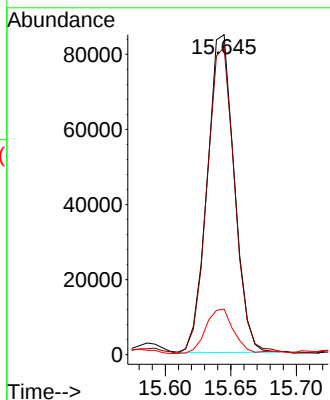
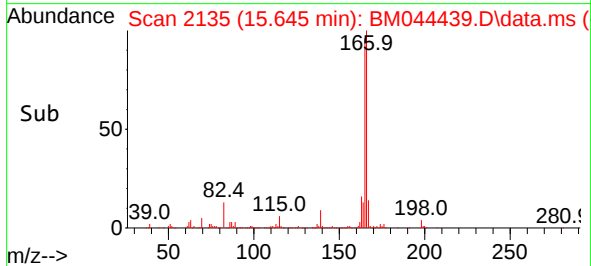
Instrument :
BNA_M
ClientSampleId :
E0SC0



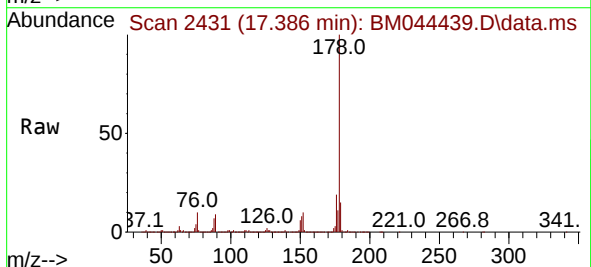
Tgt Ion:166 Resp: 121559
Ion Ratio Lower Upper
166 100
165 96.0 77.4 116.0
167 14.3 10.8 16.2

Manual Integrations
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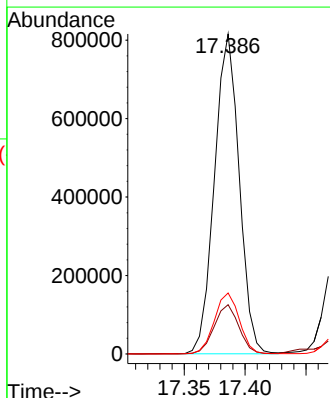
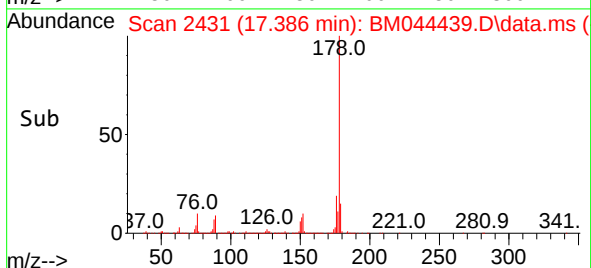
Reviewed By :Yogesh Patel 03/01/2024
Supervised By :mohammad ahmed 03/02/2024

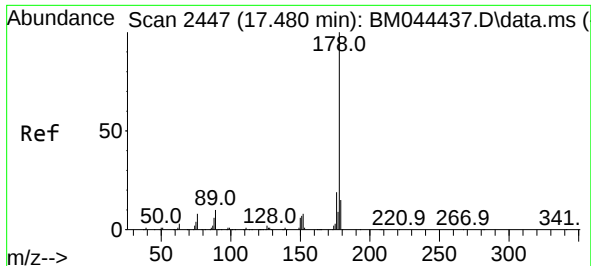


#72
Phenanthrene
Concen: 19.722 ng/ul
RT: 17.386 min Scan# 2431
Delta R.T. 0.006 min
Lab File: BM044439.D
Acq: 29 Feb 2024 14:50



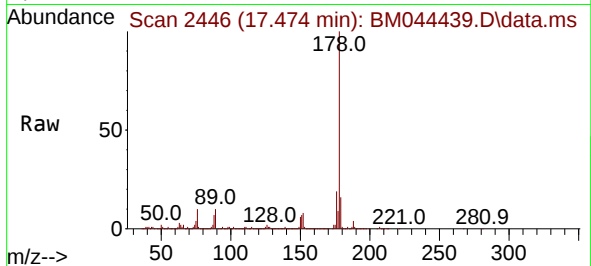
Tgt Ion:178 Resp: 1150828
Ion Ratio Lower Upper
178 100
179 15.4 12.2 18.4
176 19.0 15.6 23.4





#74
Anthracene
Concen: 6.885 ng/ul
RT: 17.474 min Scan# 2446
Delta R.T. -0.000 min
Lab File: BM044439.D
Acq: 29 Feb 2024 14:50

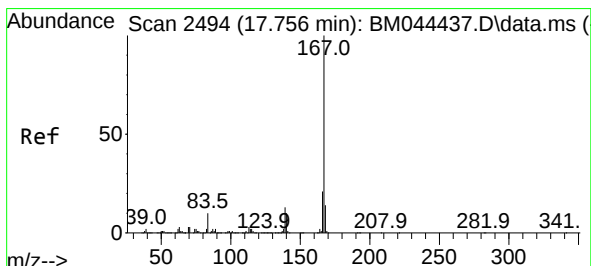
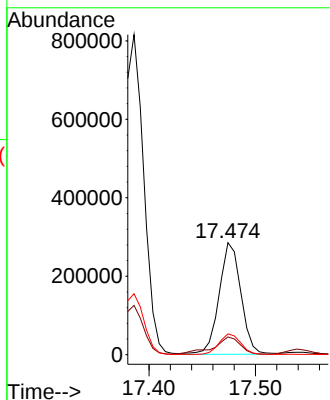
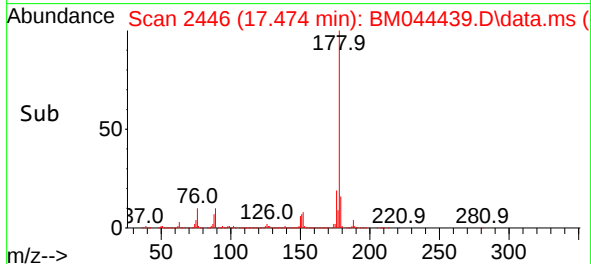
Instrument :
BNA_M
ClientSampleId :
E0SC0



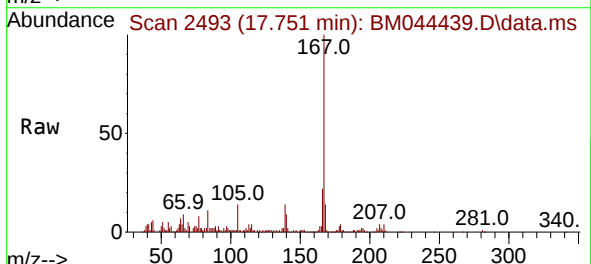
Tgt Ion:178 Resp: 404510
Ion Ratio Lower Upper
178 100
179 15.9 12.2 18.2
176 18.5 15.4 23.0

Manual Integrations
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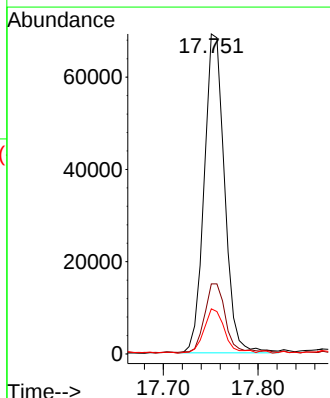
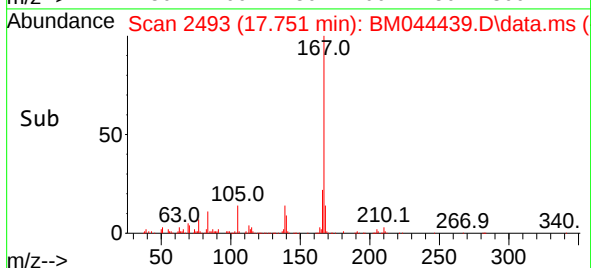
Reviewed By :Yogesh Patel 03/01/2024
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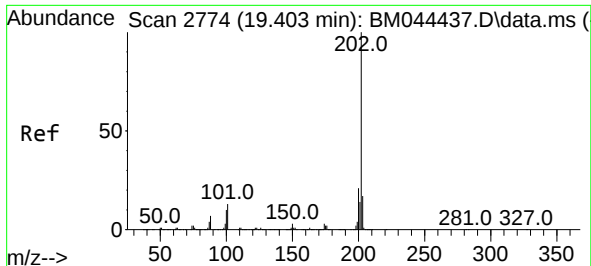


#77
Carbazole
Concen: 1.865 ng/ul
RT: 17.751 min Scan# 2493
Delta R.T. -0.000 min
Lab File: BM044439.D
Acq: 29 Feb 2024 14:50



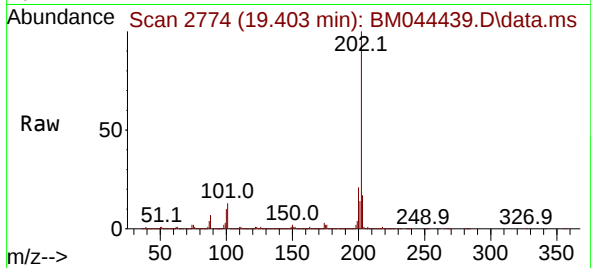
Tgt Ion:167 Resp: 103013
Ion Ratio Lower Upper
167 100
166 21.9 17.1 25.7
139 14.1 10.7 16.1





#80
Fluoranthene
Concen: 31.428 ng/ul
RT: 19.403 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM044439.D
Acq: 29 Feb 2024 14:50

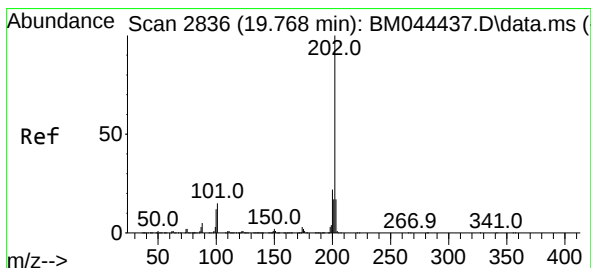
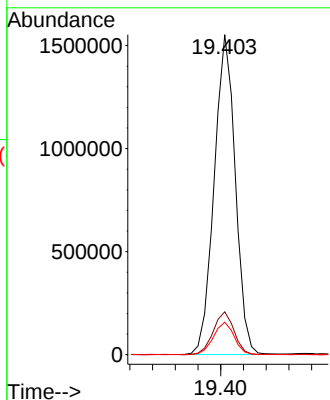
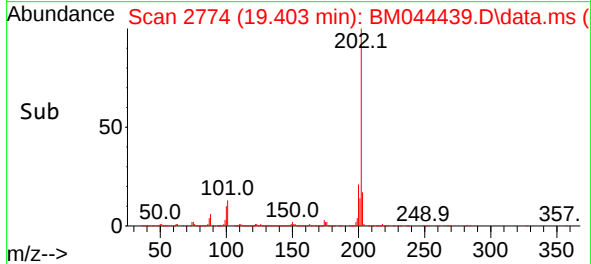
Instrument :
BNA_M
ClientSampleId :
E0SC0



Tgt Ion:202 Resp: 2005109
Ion Ratio Lower Upper
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101 13.4 11.1 16.7
100 10.2 8.2 12.2

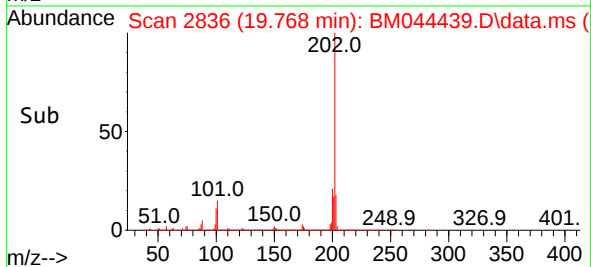
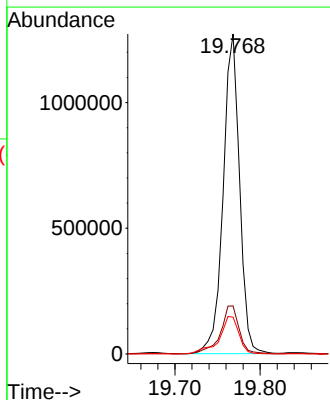
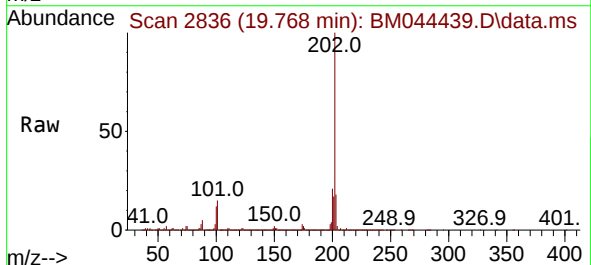
Manual Integrations
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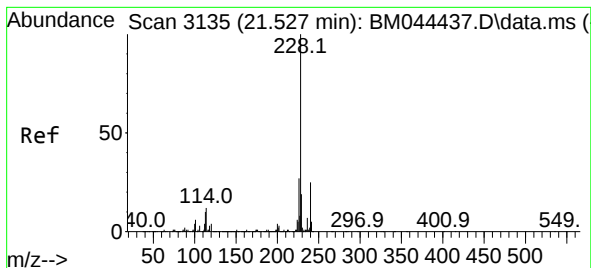
Reviewed By :Yogesh Patel 03/01/2024
Supervised By :mohammad ahmed 03/02/2024



#82
Pyrene
Concen: 25.442 ng/ul
RT: 19.768 min Scan# 2836
Delta R.T. 0.006 min
Lab File: BM044439.D
Acq: 29 Feb 2024 14:50

Tgt Ion:202 Resp: 1702288
Ion Ratio Lower Upper
202 100
101 15.0 12.6 18.8
100 11.5 10.2 15.2





#85

Benzo(a)anthracene

Concen: 15.797 ng/u1

RT: 21.521 min Scan# 3135

Delta R.T. 0.006 min

Lab File: BM044439.D

Acq: 29 Feb 2024 14:50

Instrument :

BNM

ClientSampleId :

E0SC0

Tgt Ion:228 Resp: 1041780

Ion Ratio Lower Upper

228 100

229 20.9 15.4 23.0

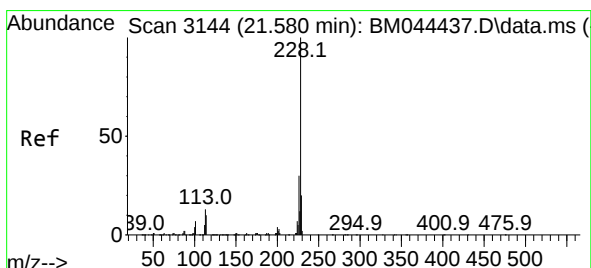
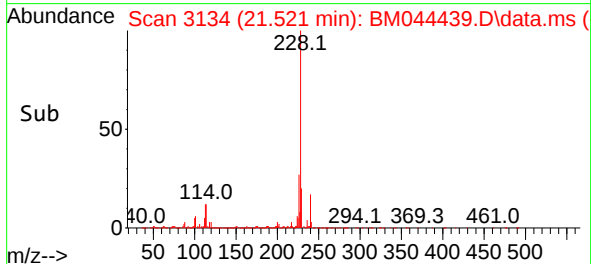
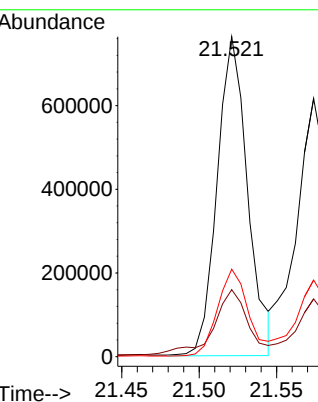
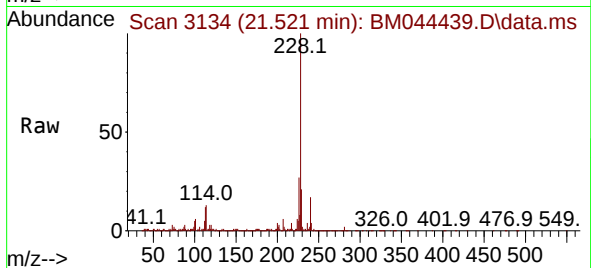
226 27.4 21.2 31.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/01/2024

Supervised By :mohammad ahmed 03/02/2024



#87

Chrysene

Concen: 14.412 ng/u1

RT: 21.574 min Scan# 3143

Delta R.T. -0.000 min

Lab File: BM044439.D

Acq: 29 Feb 2024 14:50

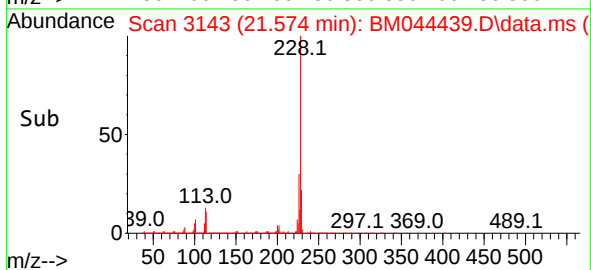
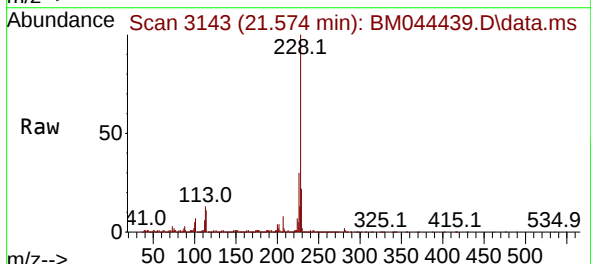
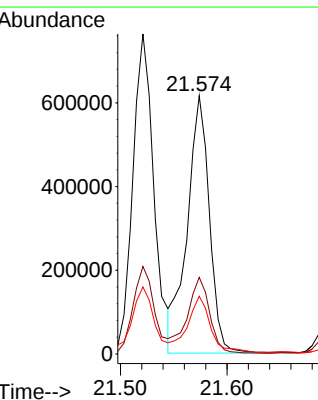
Tgt Ion:228 Resp: 893424

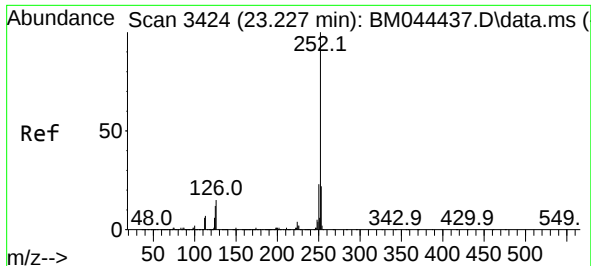
Ion Ratio Lower Upper

228 100

226 29.7 23.8 35.6

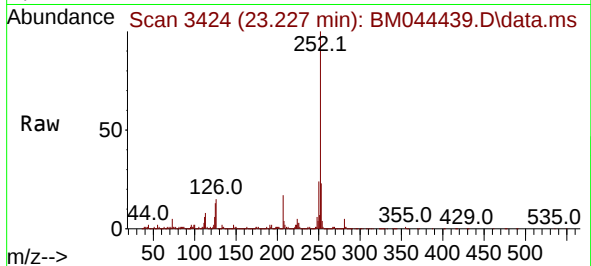
229 22.4 16.0 24.0





#90
Benzo(b)fluoranthene
Concen: 18.703 ng/ul
RT: 23.227 min Scan# 3424
Delta R.T. 0.012 min
Lab File: BM044439.D
Acq: 29 Feb 2024 14:50

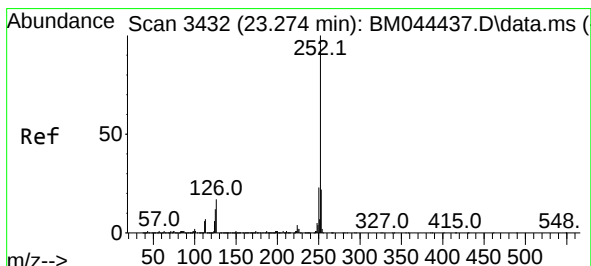
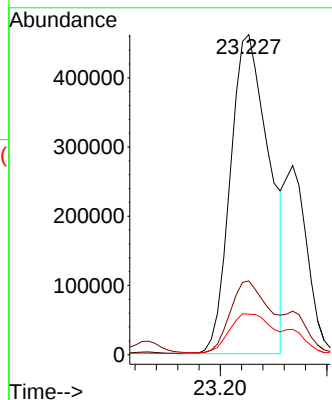
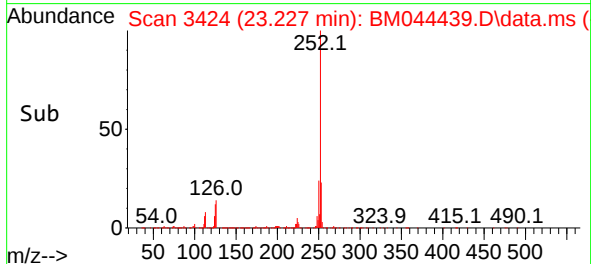
Instrument :
BNA_M
ClientSampleId :
E0SC0



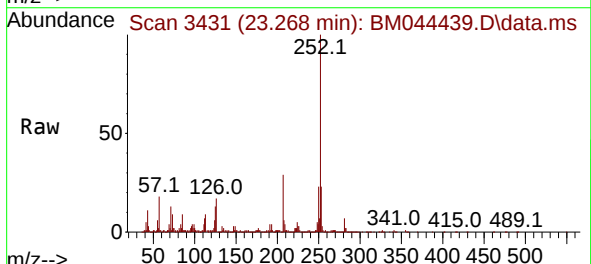
Tgt Ion:252 Resp: 1168602
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 12.7 9.8 14.8

Manual Integrations
APPROVED

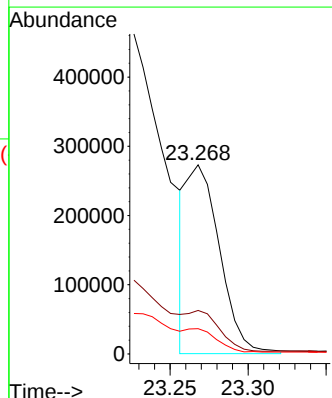
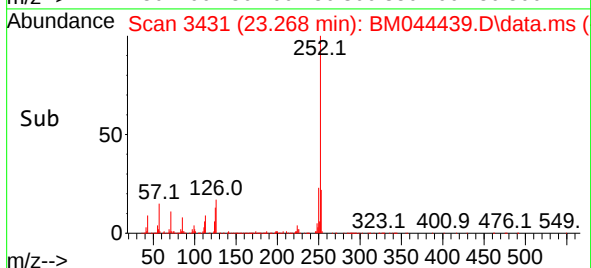
Reviewed By :Yogesh Patel 03/01/2024
Supervised By :mohammad ahmed 03/02/2024

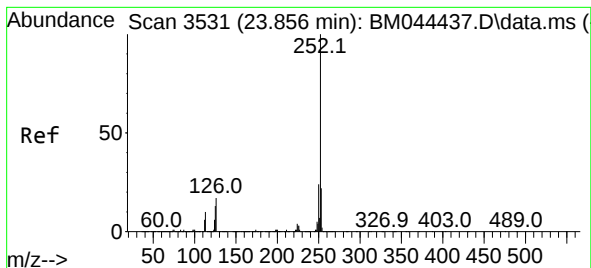


#91
Benzo(k)fluoranthene
Concen: 6.291 ng/ul m
RT: 23.268 min Scan# 3431
Delta R.T. -0.000 min
Lab File: BM044439.D
Acq: 29 Feb 2024 14:50



Tgt Ion:252 Resp: 403747
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 13.4 9.4 14.2





#93

Benzo(a)pyrene

Concen: 14.215 ng/ul

RT: 23.856 min Scan# 3531

Delta R.T. 0.006 min

Lab File: BM044439.D

Acq: 29 Feb 2024 14:50

Instrument :

BNA_M

ClientSampleId :

E0SC0

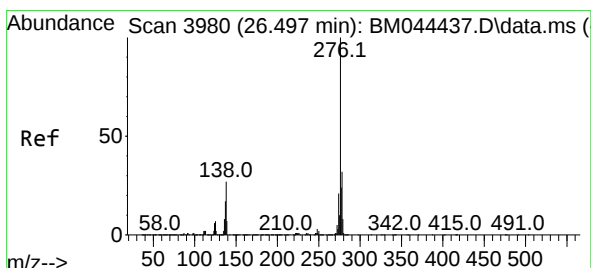
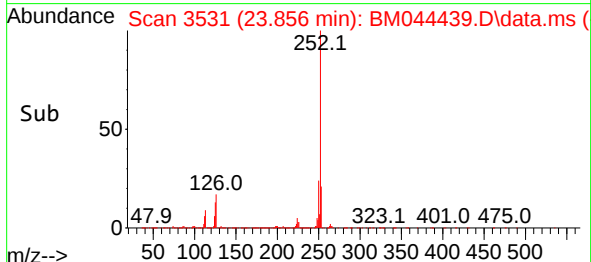
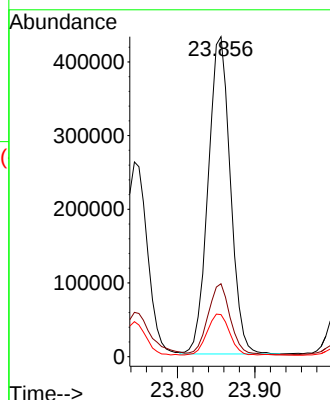
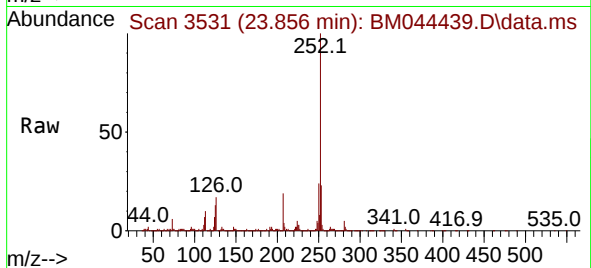
Tgt Ion:	252	Resp:	856314
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.4	26.2
125	13.2	10.8	16.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/01/2024

Supervised By :mohammad ahmed 03/02/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 6.888 ng/ul

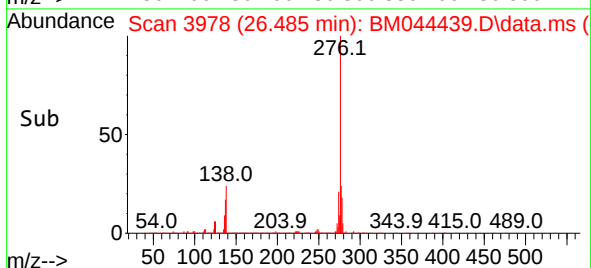
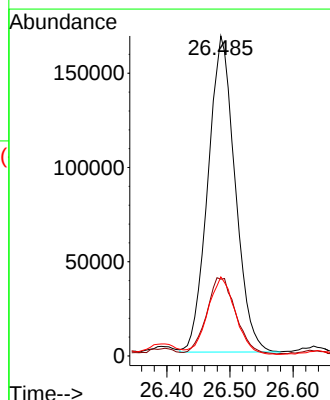
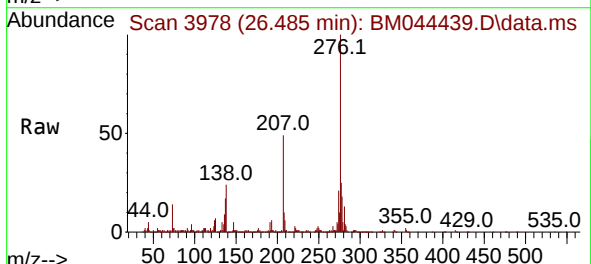
RT: 26.485 min Scan# 3978

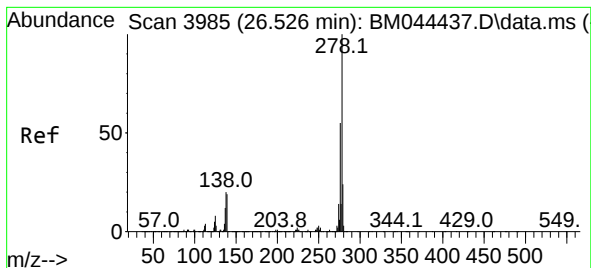
Delta R.T. -0.000 min

Lab File: BM044439.D

Acq: 29 Feb 2024 14:50

Tgt Ion:	276	Resp:	501803
Ion Ratio	Lower	Upper	
276	100		
138	24.0	22.1	33.1
277	24.7	19.9	29.9





#95

Dibenzo(a,h)anthracene

Concen: 2.485 ng/ul m

RT: 26.503 min Scan# 3981

Delta R.T. -0.012 min

Lab File: BM044439.D

Acq: 29 Feb 2024 14:50

Instrument :

BNA_M

ClientSampleId :

E0SC0

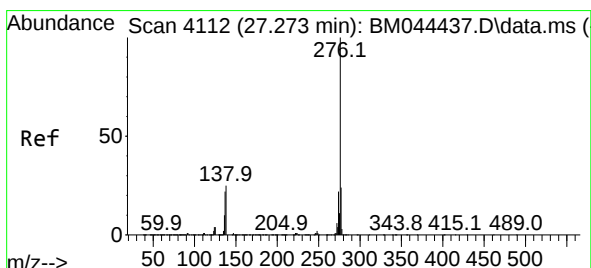
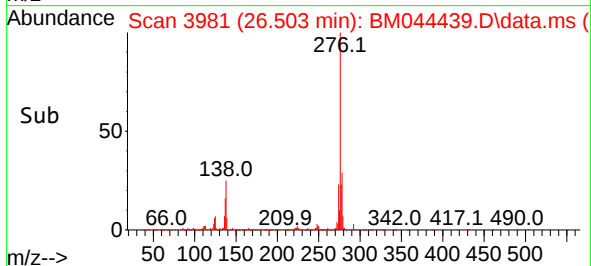
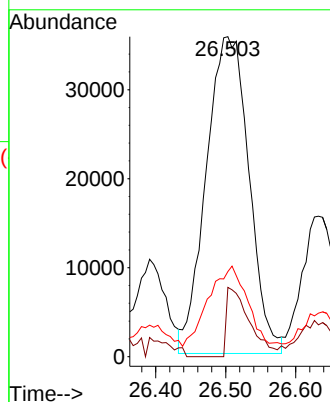
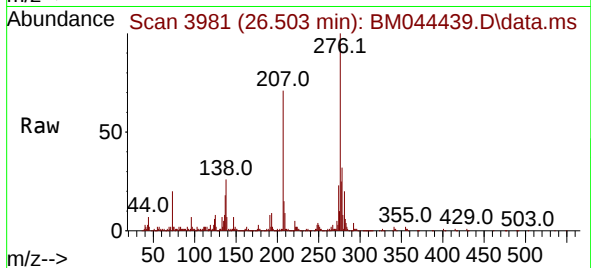
Tgt Ion:	278	Resp:	151309
Ion Ratio	Lower	Upper	
278	100		
139	21.6	14.9	22.3
279	26.6	19.5	29.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/01/2024

Supervised By :mohammad ahmed 03/02/2024



#96

Benzo(g,h,i)perylene

Concen: 8.243 ng/ul

RT: 27.262 min Scan# 4110

Delta R.T. -0.000 min

Lab File: BM044439.D

Acq: 29 Feb 2024 14:50

Tgt Ion:	276	Resp:	485747
Ion Ratio	Lower	Upper	
276	100		
138	26.5	21.6	32.4
277	23.7	18.5	27.7

