

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061324\
 Data File : BM046022.D
 Acq On : 13 Jun 2024 13:59
 Operator : MA/JU
 Sample : P2648-09 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BHBZ8

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/13/2024
 Supervised By :mohammad ahmed 06/15/2024

Quant Time: Jun 13 14:39:59 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM053124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 11 16:01:34 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.434	152	130766	20.000	ng/ul	0.00
20) Naphthalene-d8	10.198	136	533634	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.075	164	325985	20.000	ng/ul	0.00
64) Phenanthrene-d10	16.821	188	663477	20.000	ng/ul	0.00
79) Chrysene-d12	21.039	240	632228	20.000	ng/ul	0.00
88) Perylene-d12	23.756	264	709927	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.040	96	5423m	1.608	ng/uL	0.00
4) Pyridine-d5	3.499	84	16507m	1.901	ng/ul	0.05
7) Phenol-d5	6.699	99	120778	10.872	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.804	67	80866	10.137	ng/ul	0.00
11) 2-Chlorophenol-d4	6.998	132	96585	11.640	ng/ul	0.00
15) 4-Methylphenol-d8	8.210	113	95042	11.324	ng/ul	0.00
21) Nitrobenzene-d5	8.604	128	46636	11.178	ng/ul	0.00
24) 2-Nitrophenol-d4	9.310	143	48845	11.567	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.875	165	89934	11.357	ng/ul	0.01
31) 4-Chloroaniline-d4	10.410	131	8314m	0.759	ng/ul	0.02
46) Dimethylphthalate-d6	13.527	166	274234	12.151	ng/ul	0.00
49) Acenaphthylene-d8	13.769	160	308363	11.767	ng/ul	0.00
54) 4-Nitrophenol-d4	14.386	143	34347	7.052	ng/ul	0.00
60) Fluorene-d10	15.074	176	233762	12.142	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.227	200	30020	8.861	ng/ul	0.00
73) Anthracene-d10	16.921	188	348920	12.097	ng/ul	0.00
81) Pyrene-d10	19.221	212	348052	8.852	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.568	264	271657	8.187	ng/ul	0.00
Target Compounds						
					Qvalue	
16) Acetophenone	8.293	105	14150	1.012	ng/ul	89
30) Naphthalene	10.251	128	76799	2.699	ng/ul	99
36) 2-Methylnaphthalene	11.875	142	31681	1.681	ng/ul	100
37) 1-Methylnaphthalene	12.098	142	29314	1.556	ng/ul#	99
50) Acenaphthylene	13.798	152	97376	3.210	ng/ul	96
52) Acenaphthene	14.139	153	31999	1.581	ng/ul	96
56) Dibenzofuran	14.486	168	59389	2.176	ng/ul	98
61) Fluorene	15.133	166	53150	2.417	ng/ul	97
72) Phenanthrene	16.868	178	1189004	34.011	ng/ul	99
74) Anthracene	16.957	178	386122	11.058	ng/ul	99
77) Carbazole	17.245	167	152810	5.129	ng/ul	98
78) Di-n-butylphthalate	17.815	149	203923	5.204	ng/ul#	97
80) Fluoranthene	18.892	202	2480964	52.051	ng/ul	99
82) Pyrene	19.251	202	1804461	36.847	ng/ul	99
83) Butylbenzylphthalate	20.180	149	27620	1.384	ng/ul	86
85) Benzo(a)anthracene	21.021	228	1454964	33.329	ng/ul	94
86) Bis(2-ethylhexyl)phtha...	20.968	149	543076	18.314	ng/ul	99
87) Chrysene	21.080	228	1525765	37.782	ng/ul#	96
90) Benzo(b)fluoranthene	22.909	252	2236577	51.264	ng/ul	98
91) Benzo(k)fluoranthene	22.962	252	766280	17.982	ng/ul	95
93) Benzo(a)pyrene	23.627	252	778911	20.317	ng/ul	94
94) Indeno(1,2,3-cd)pyrene	26.756	276	808774	19.318	ng/ul	94
95) Dibenzo(a,h)anthracene	26.791	278	276473	8.349	ng/ul#	71
96) Benzo(g,h,i)perylene	27.697	276	151403	4.106	ng/ul#	74

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 11 16:01:34 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

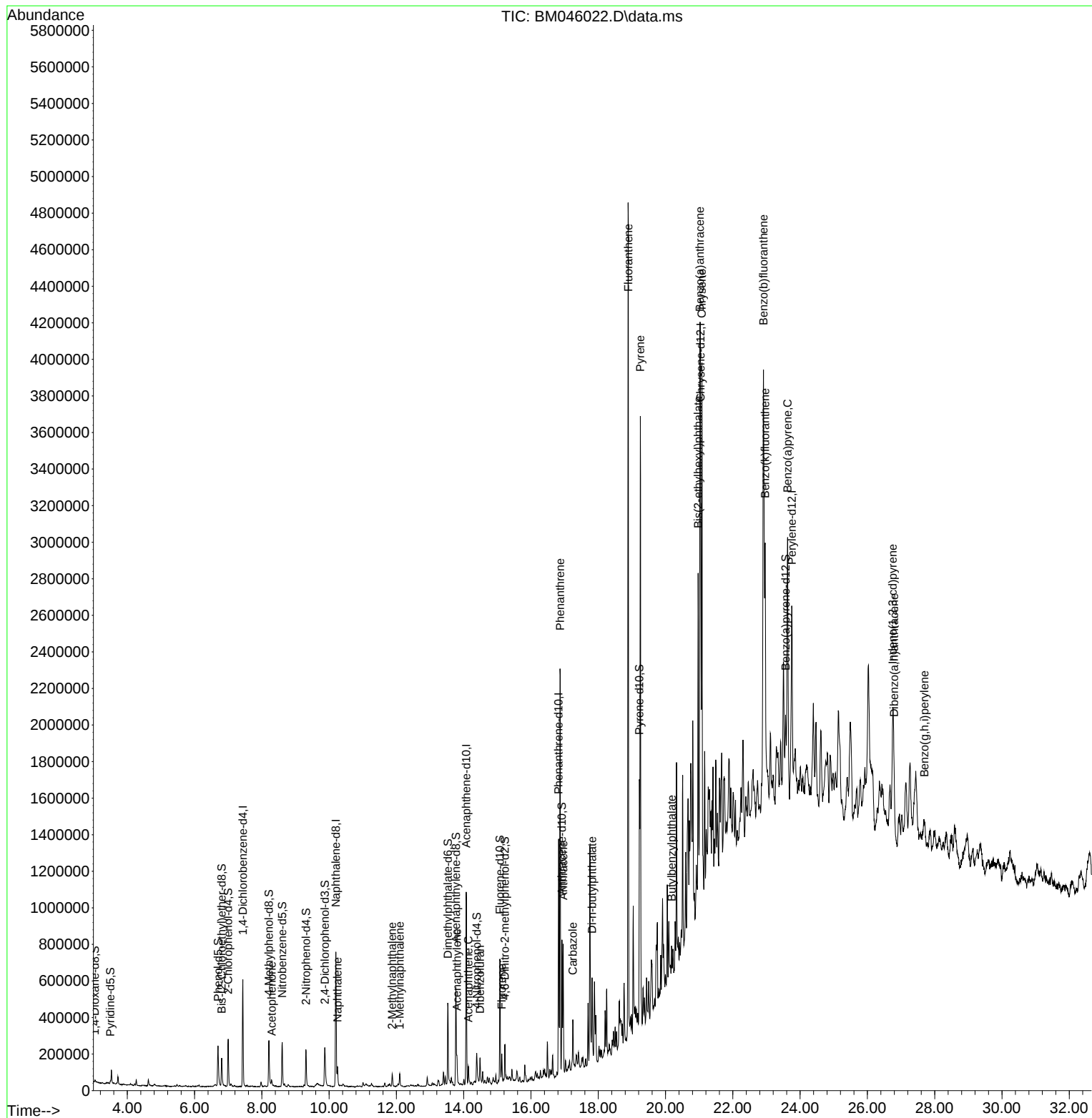
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061324\
Data File : BM046022.D
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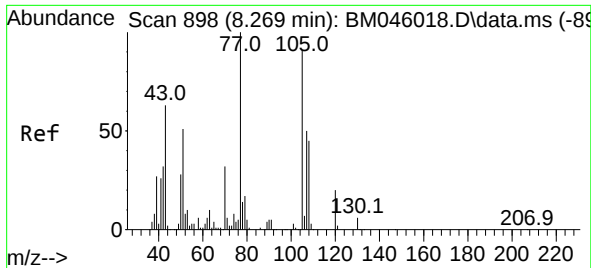
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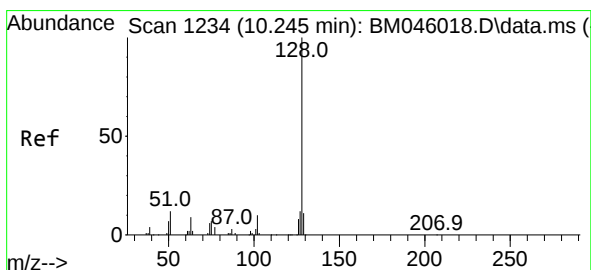
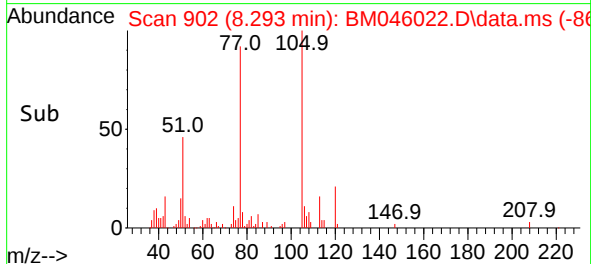
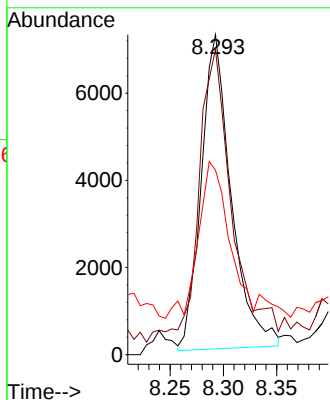
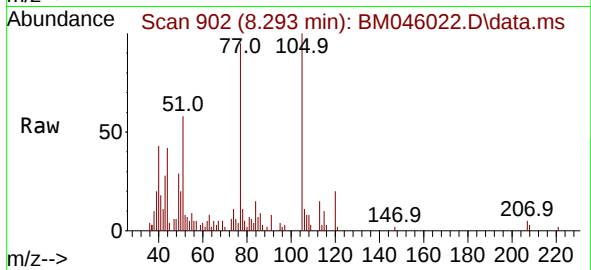
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Acetophenone
Concen: 1.012 ng/ul
RT: 8.293 min Scan# 902
Delta R.T. 0.018 min
Lab File: BM046022.D
Acq: 13 Jun 2024 13:59

Instrument :
BNA_M
ClientSampleId :
BHBZ8

Tgt Ion:105 Resp: 14150
Ion Ratio Lower Upper
105 100
77 95.4 84.7 127.1
51 57.6 39.4 59.0

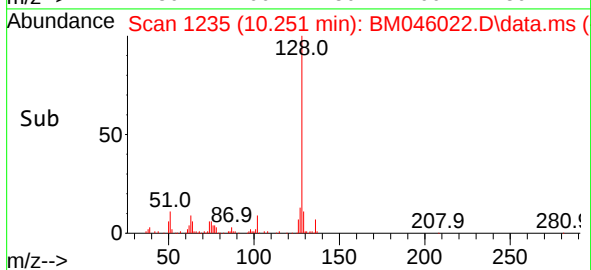
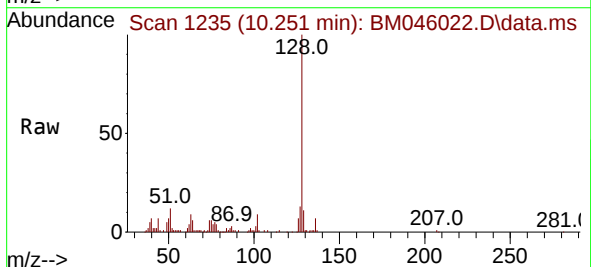
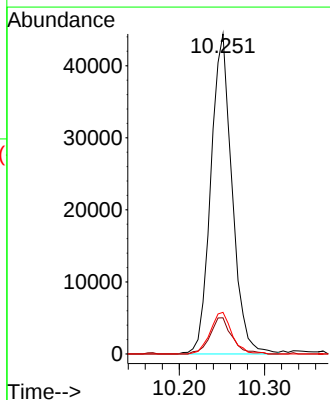
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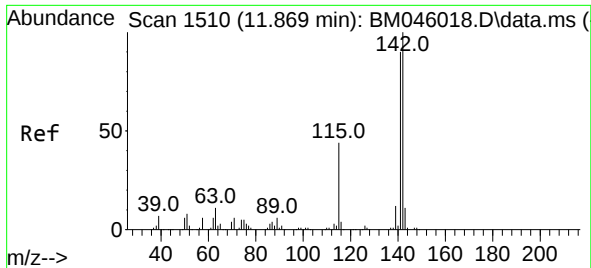
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



#30
Naphthalene
Concen: 2.699 ng/ul
RT: 10.251 min Scan# 1235
Delta R.T. 0.000 min
Lab File: BM046022.D
Acq: 13 Jun 2024 13:59

Tgt Ion:128 Resp: 76799
Ion Ratio Lower Upper
128 100
129 11.3 8.3 12.5
127 13.0 10.3 15.5





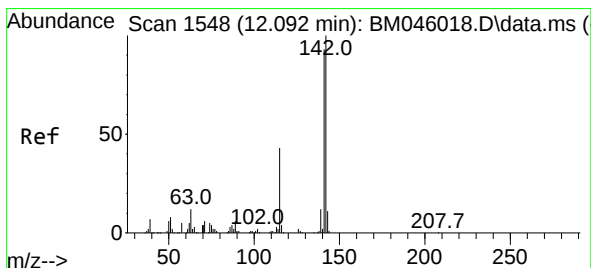
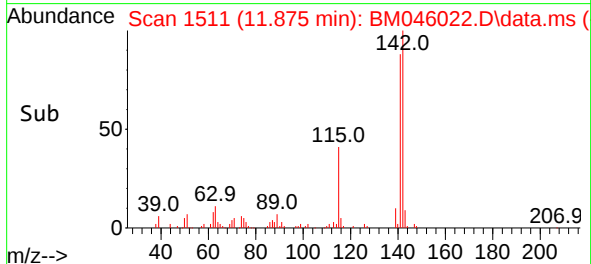
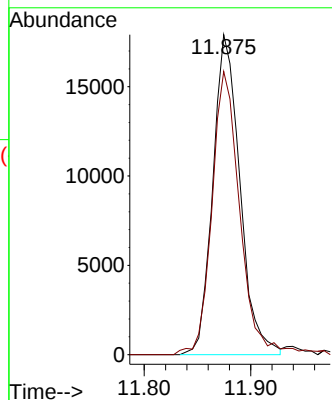
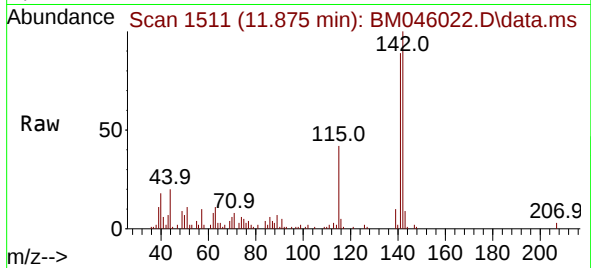
#36
2-Methylnaphthalene
Concen: 1.681 ng/ul
RT: 11.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM046022.D
Acq: 13 Jun 2024 13:59

Instrument :
BNA_M
ClientSampleId :
BHBZ8

Tgt Ion:142 Resp: 3168
Ion Ratio Lower Upper
142 100
141 88.5 71.1 106.7

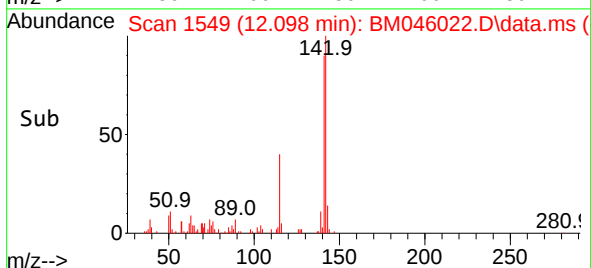
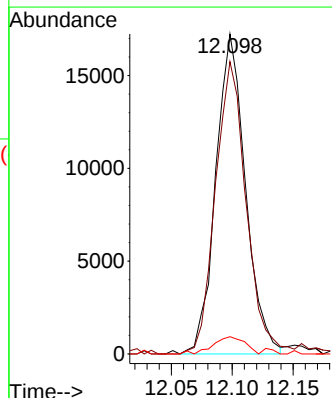
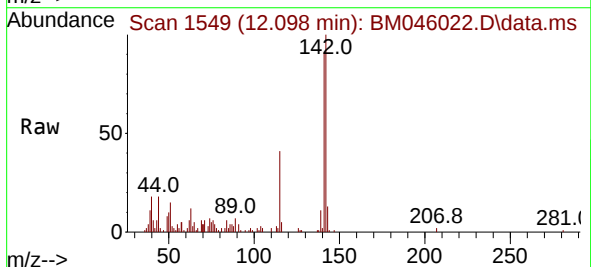
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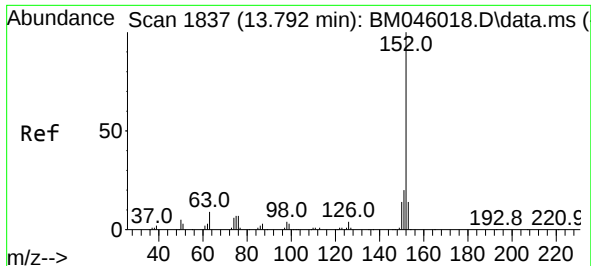
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



#37
1-Methylnaphthalene
Concen: 1.556 ng/ul
RT: 12.098 min Scan# 1549
Delta R.T. 0.000 min
Lab File: BM046022.D
Acq: 13 Jun 2024 13:59

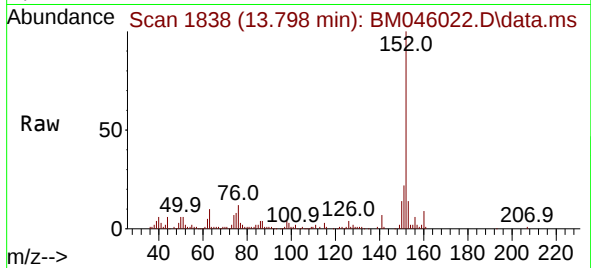
Tgt Ion:142 Resp: 29314
Ion Ratio Lower Upper
142 100
141 91.4 73.5 110.3
116 5.4 3.3 4.9#





#50
Acenaphthylene
Concen: 3.210 ng/ul
RT: 13.798 min Scan# 1838
Delta R.T. 0.000 min
Lab File: BM046022.D
Acq: 13 Jun 2024 13:59

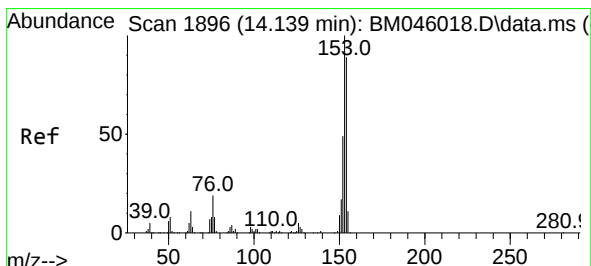
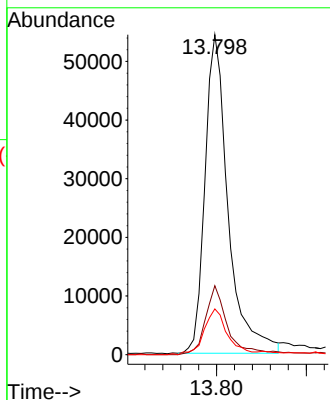
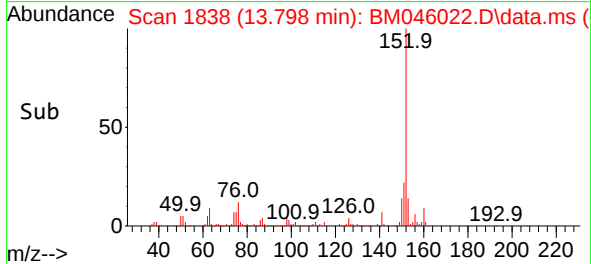
Instrument :
BNA_M
ClientSampleId :
BHBZ8



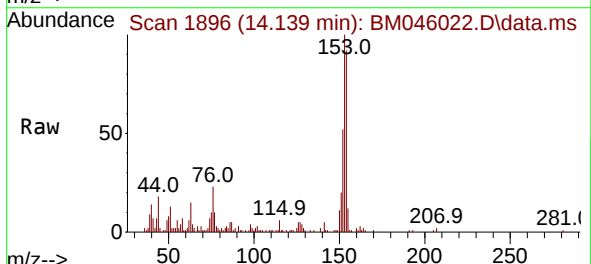
Tgt Ion:152 Resp: 97370
Ion Ratio Lower Upper
152 100
151 21.5 15.6 23.4
153 14.3 10.4 15.6

Manual Integrations
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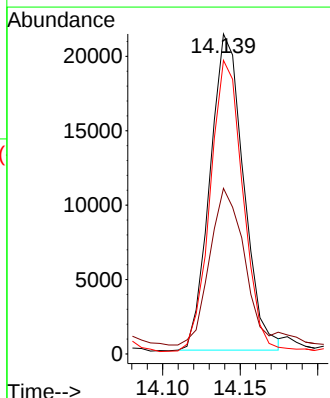
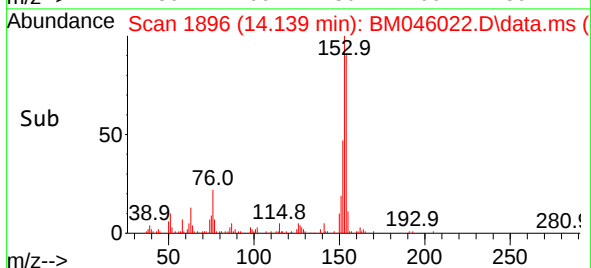
Reviewed By :Jagrut Upadhyay 06/13/2024
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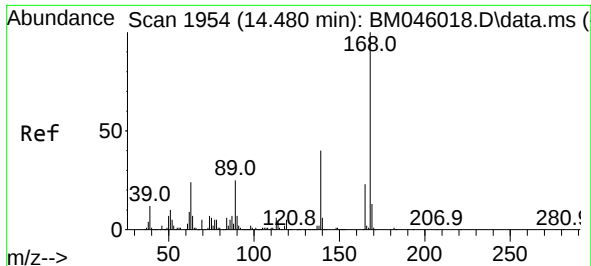


#52
Acenaphthene
Concen: 1.581 ng/ul
RT: 14.139 min Scan# 1896
Delta R.T. -0.006 min
Lab File: BM046022.D
Acq: 13 Jun 2024 13:59



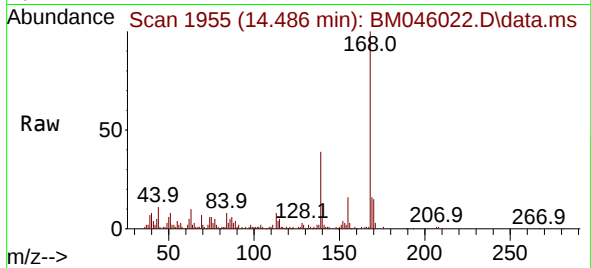
Tgt Ion:153 Resp: 31999
Ion Ratio Lower Upper
153 100
152 51.8 38.6 58.0
154 91.7 70.7 106.1





#56
Dibenzenofuran
Concen: 2.176 ng/ul
RT: 14.486 min Scan# 1954
Delta R.T. 0.000 min
Lab File: BM046022.D
Acq: 13 Jun 2024 13:59

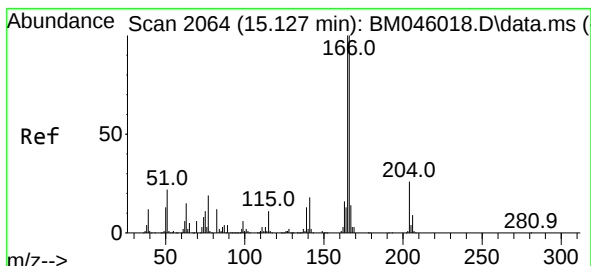
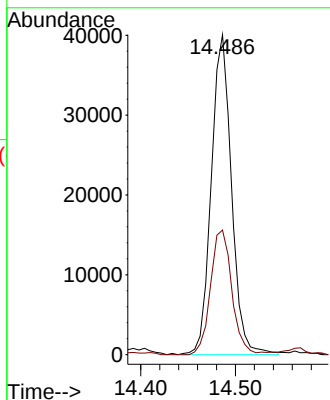
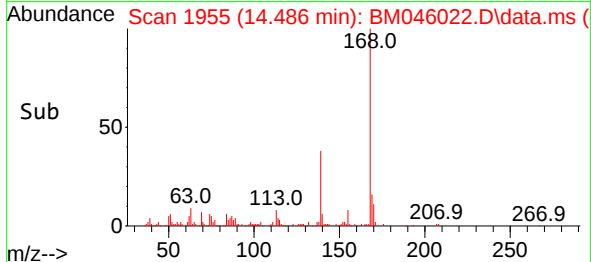
Instrument :
BNA_M
ClientSampleId :
BHBZ8



Tgt Ion:168 Resp: 59389
Ion Ratio Lower Upper
168 100
139 39.0 32.2 48.2

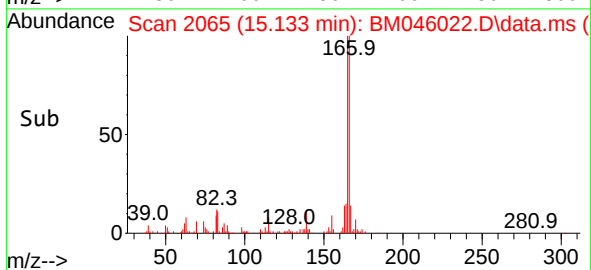
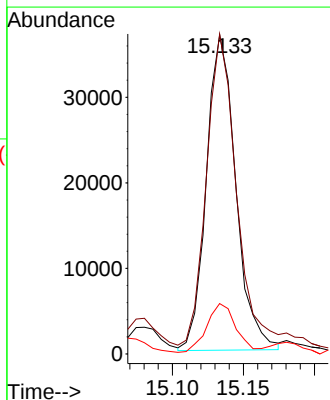
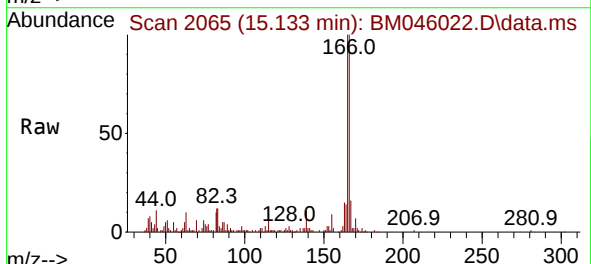
Manual Integrations
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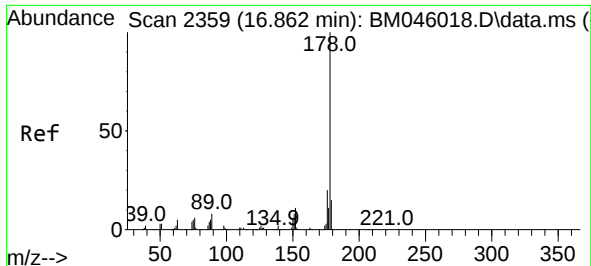
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



#61
Fluorene
Concen: 2.417 ng/ul
RT: 15.133 min Scan# 2065
Delta R.T. 0.000 min
Lab File: BM046022.D
Acq: 13 Jun 2024 13:59

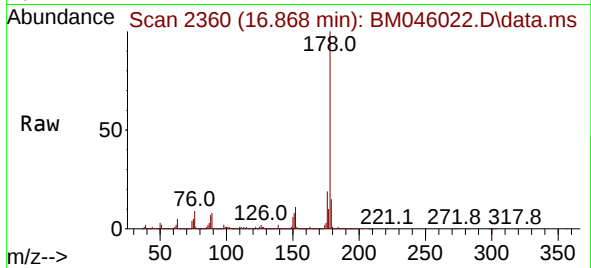
Tgt Ion:166 Resp: 53150
Ion Ratio Lower Upper
166 100
165 100.4 78.1 117.1
167 15.8 10.6 16.0





#72
Phenanthrene
Concen: 34.011 ng/ul
RT: 16.868 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM046022.D
Acq: 13 Jun 2024 13:59

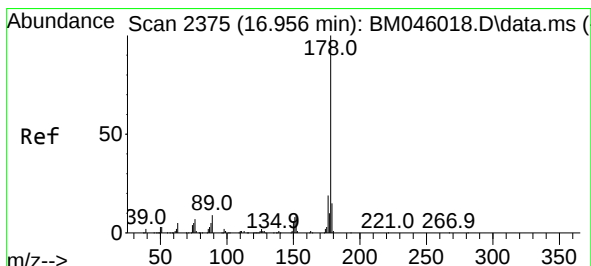
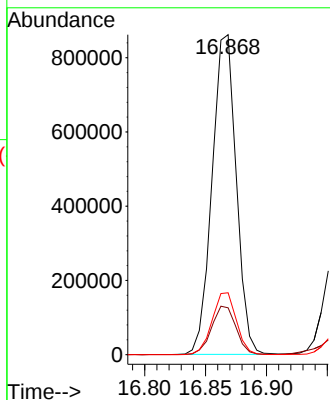
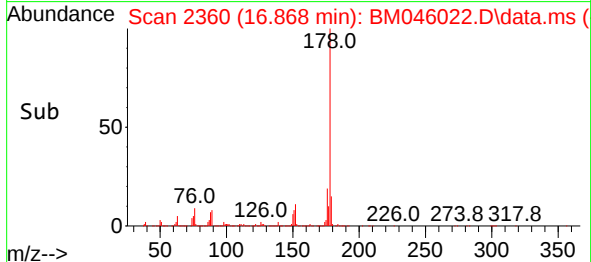
Instrument :
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Tgt Ion:178 Resp: 1189004
Ion Ratio Lower Upper
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179 14.7 12.4 18.6
176 19.4 15.3 22.9

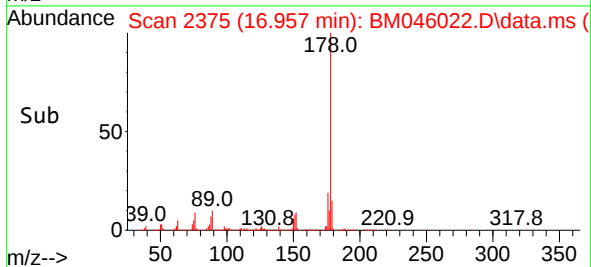
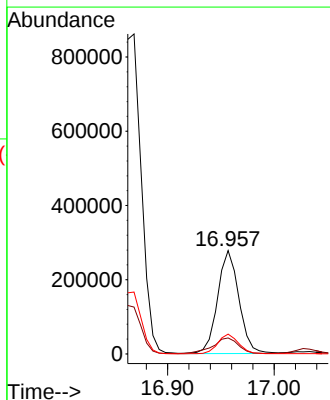
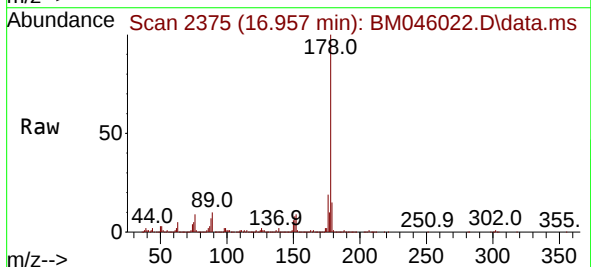
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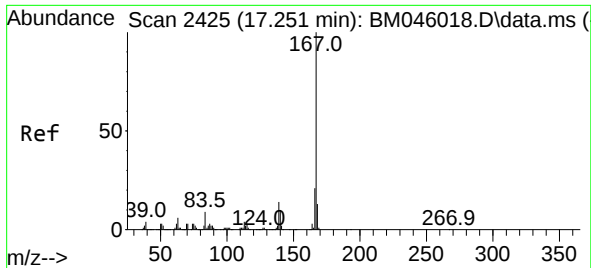
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



#74
Anthracene
Concen: 11.058 ng/ul
RT: 16.957 min Scan# 2375
Delta R.T. -0.006 min
Lab File: BM046022.D
Acq: 13 Jun 2024 13:59

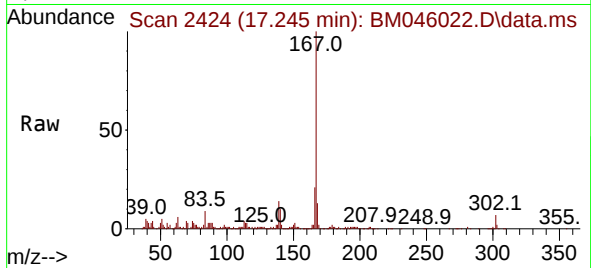
Tgt Ion:178 Resp: 386122
Ion Ratio Lower Upper
178 100
179 15.5 12.0 18.0
176 19.2 15.0 22.6





#77
 Carbazole
 Concen: 5.129 ng/ul
 RT: 17.245 min Scan# 2425
 Delta R.T. -0.012 min
 Lab File: BM046022.D
 Acq: 13 Jun 2024 13:59

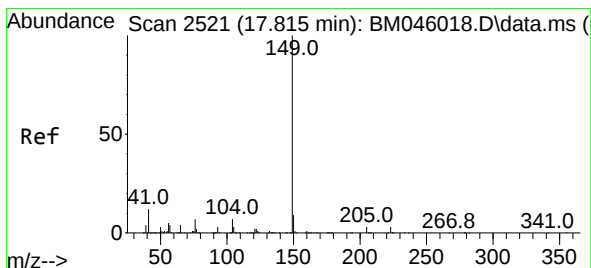
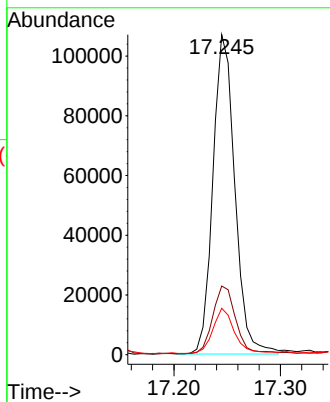
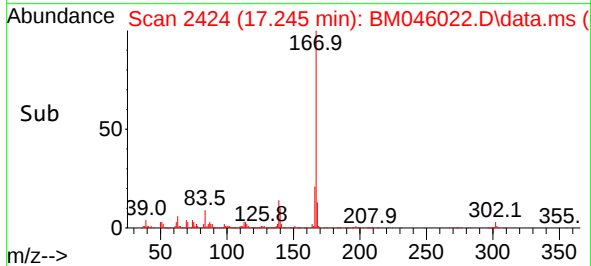
Instrument :
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 BHBZ8



Tgt Ion:167 Resp: 152810
 Ion Ratio Lower Upper
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 166 21.4 16.6 24.8
 139 14.5 10.6 16.0

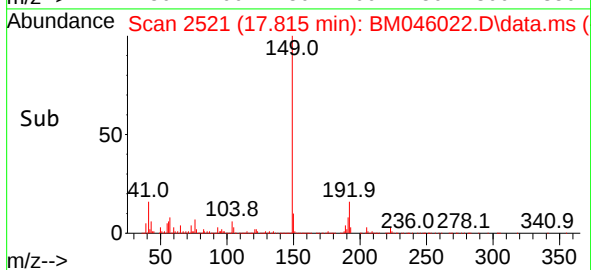
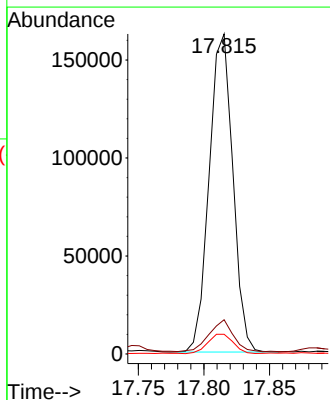
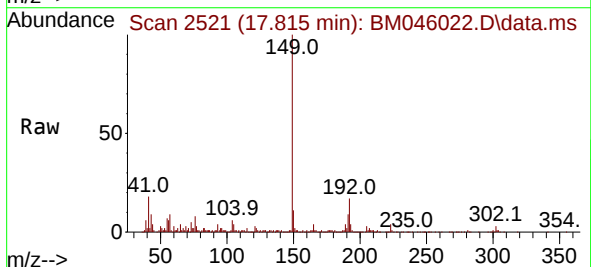
Manual Integrations
 APPROVED

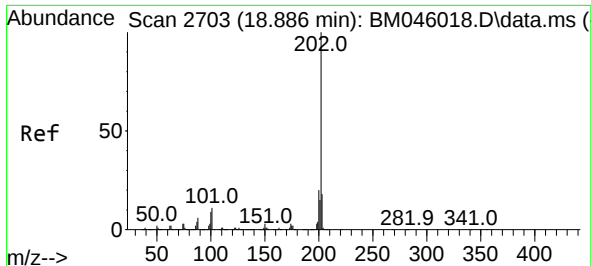
Reviewed By :Jagrut Upadhyay 06/13/2024
 Supervised By :mohammad ahmed 06/15/2024



#78
 Di-n-butylphthalate
 Concen: 5.204 ng/ul
 RT: 17.815 min Scan# 2521
 Delta R.T. -0.006 min
 Lab File: BM046022.D
 Acq: 13 Jun 2024 13:59

Tgt Ion:149 Resp: 203923
 Ion Ratio Lower Upper
 149 100
 150 10.7 7.1 10.7#
 104 6.2 4.9 7.3





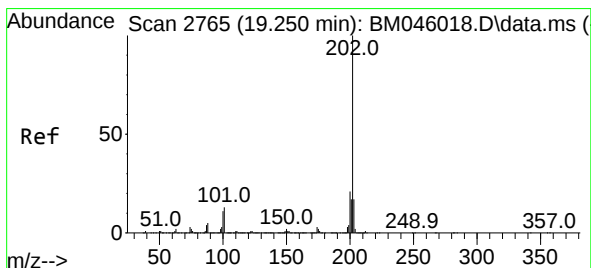
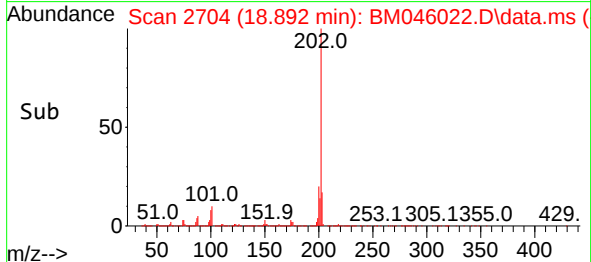
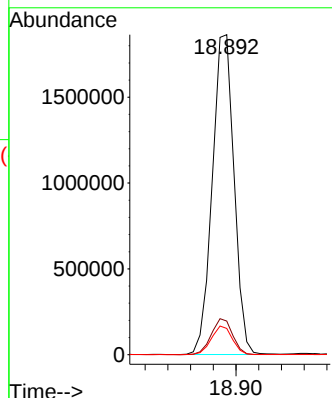
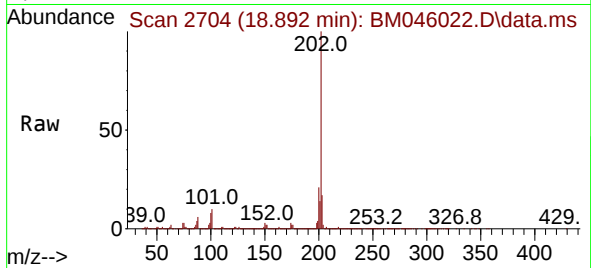
#80
Fluoranthene
Concen: 52.051 ng/u1
RT: 18.892 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM046022.D
Acq: 13 Jun 2024 13:59

Instrument :
BNA_M
ClientSampleId :
BHBZ8

Tgt Ion:202 Resp: 2480964
Ion Ratio Lower Upper
202 100
101 10.5 8.9 13.3
100 8.2 6.6 10.0

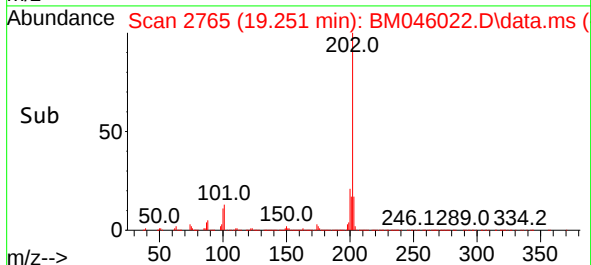
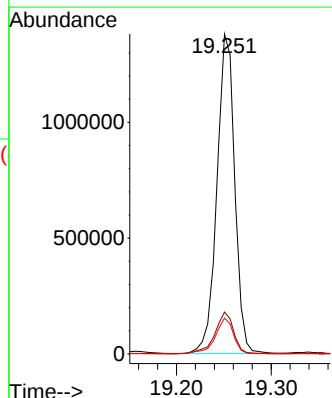
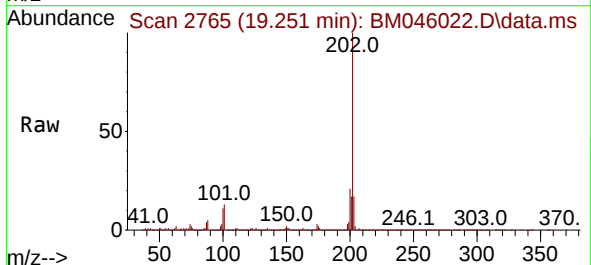
Manual Integrations
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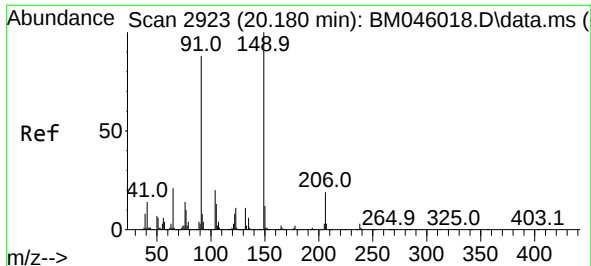
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



#82
Pyrene
Concen: 36.847 ng/u1
RT: 19.251 min Scan# 2765
Delta R.T. -0.006 min
Lab File: BM046022.D
Acq: 13 Jun 2024 13:59

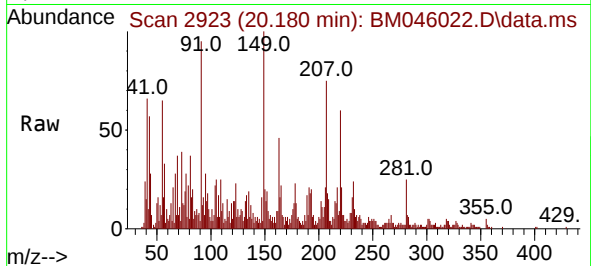
Tgt Ion:202 Resp: 1804461
Ion Ratio Lower Upper
202 100
101 13.1 10.5 15.7
100 11.2 8.6 12.8





#83
Butylbenzylphthalate
Concen: 1.384 ng/ul
RT: 20.180 min Scan# 2923
Delta R.T. -0.006 min
Lab File: BM046022.D
Acq: 13 Jun 2024 13:59

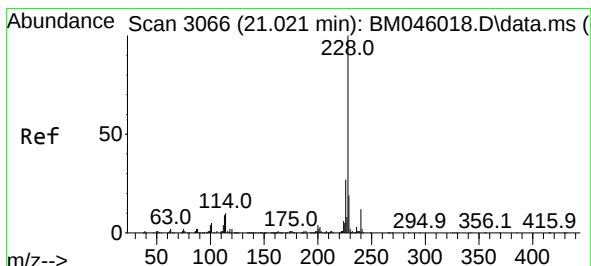
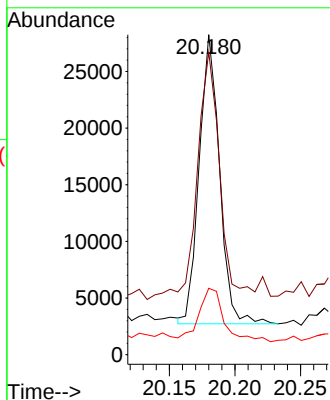
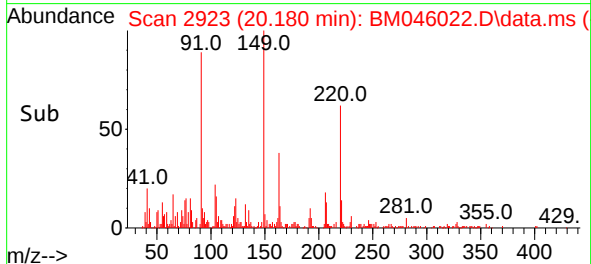
Instrument :
BNA_M
ClientSampleId :
BHBZ8



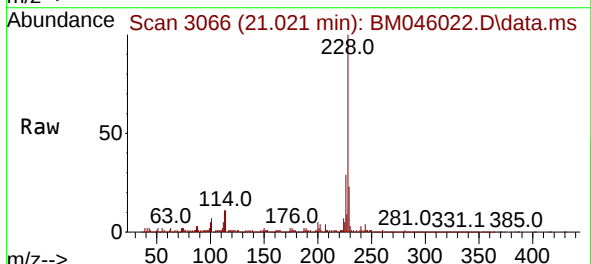
Tgt Ion:149 Resp: 27620
Ion Ratio Lower Upper
149 100
91 94.6 63.7 95.5
206 20.8 15.9 23.9

Manual Integrations
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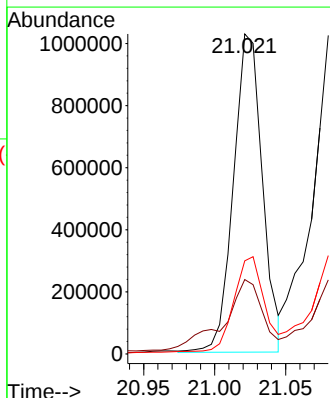
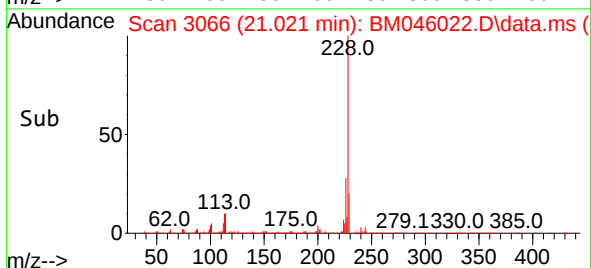
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024

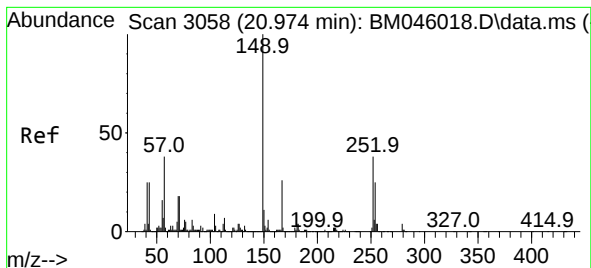


#85
Benzo(a)anthracene
Concen: 33.329 ng/ul
RT: 21.021 min Scan# 3066
Delta R.T. -0.006 min
Lab File: BM046022.D
Acq: 13 Jun 2024 13:59



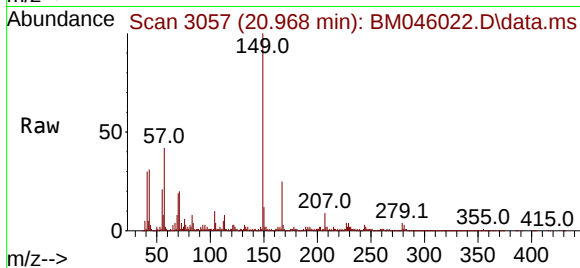
Tgt Ion:228 Resp: 1454964
Ion Ratio Lower Upper
228 100
229 23.3 15.8 23.8
226 29.1 21.4 32.0





#86
Bis(2-ethylhexyl)phthalate
Concen: 18.314 ng/ul
RT: 20.968 min Scan# 3057
Delta R.T. -0.012 min
Lab File: BM046022.D
Acq: 13 Jun 2024 13:59

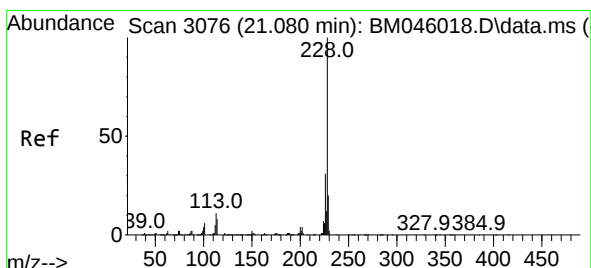
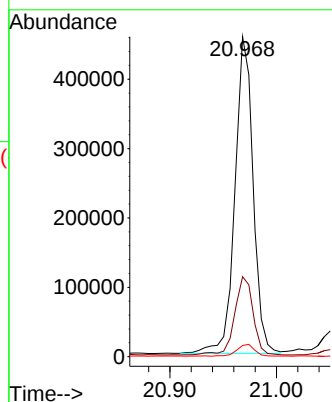
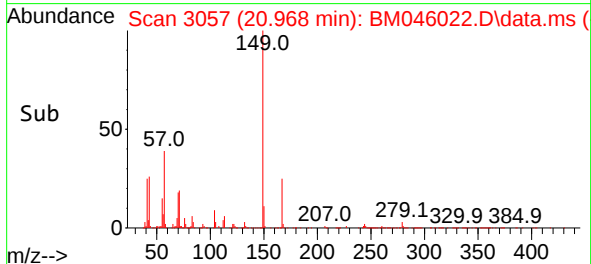
Instrument :
BNA_M
ClientSampleId :
BHBZ8



Tgt Ion:149 Resp: 543070
Ion Ratio Lower Upper
149 100
167 25.0 20.4 30.6
279 3.5 3.1 4.7

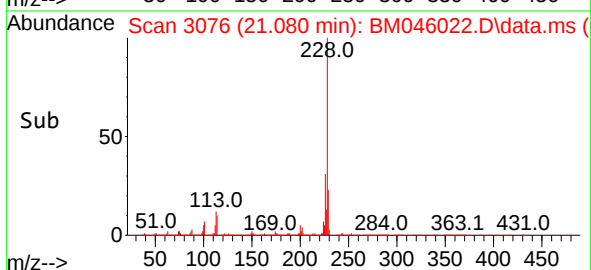
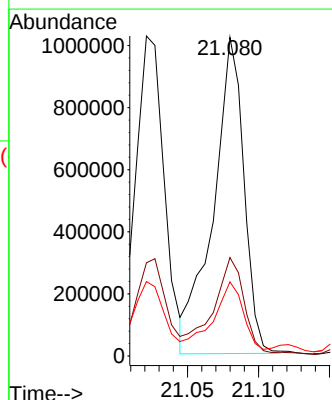
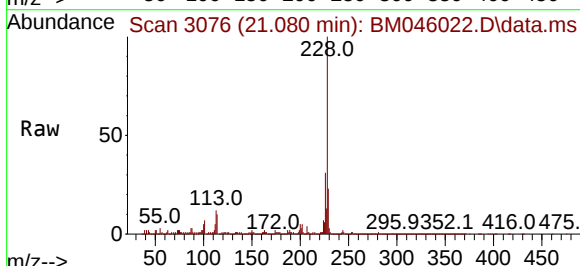
Manual Integrations
APPROVED

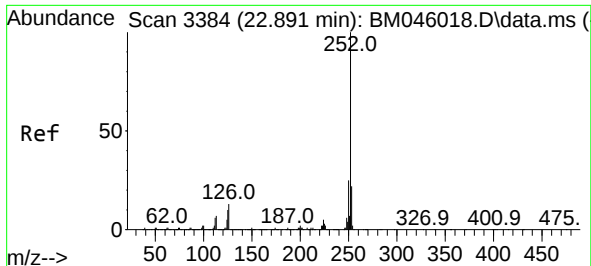
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



#87
Chrysene
Concen: 37.782 ng/ul
RT: 21.080 min Scan# 3076
Delta R.T. -0.006 min
Lab File: BM046022.D
Acq: 13 Jun 2024 13:59

Tgt Ion:228 Resp: 1525765
Ion Ratio Lower Upper
228 100
226 30.9 24.2 36.2
229 23.3 15.2 22.8#





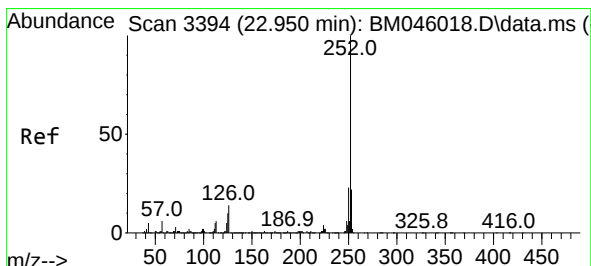
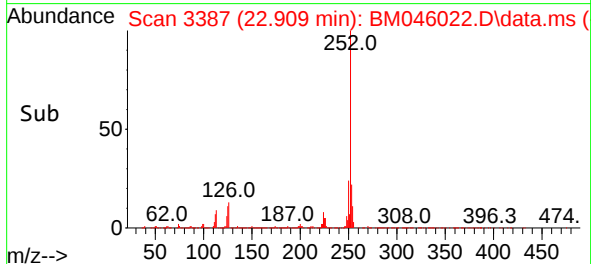
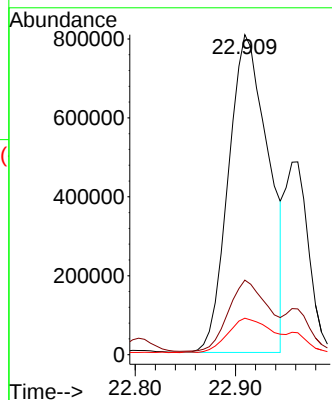
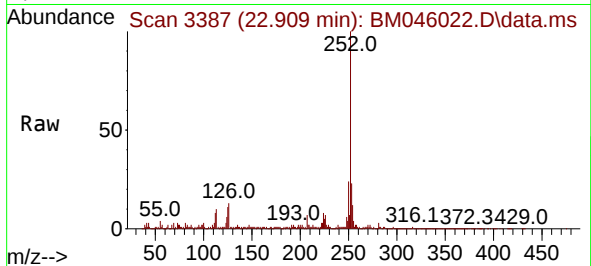
#90
Benzo(b)fluoranthene
Concen: 51.264 ng/u1
RT: 22.909 min Scan# 31
Delta R.T. 0.006 min
Lab File: BM046022.D
Acq: 13 Jun 2024 13:59

Instrument :
BNA_M
ClientSampleId :
BHBZ8

Tgt Ion:252 Resp: 223657
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.6
125 11.4 8.4 12.6

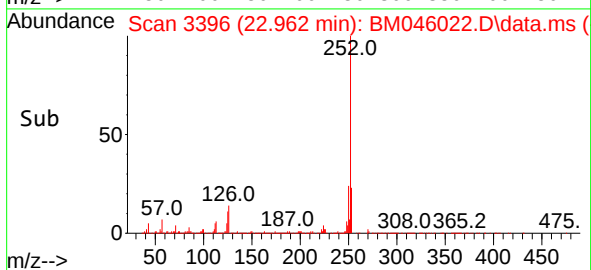
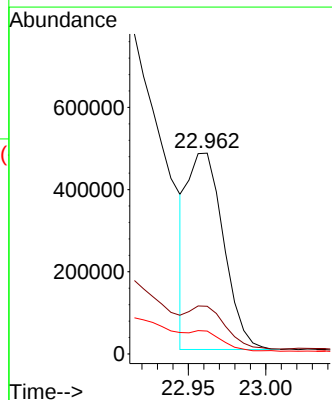
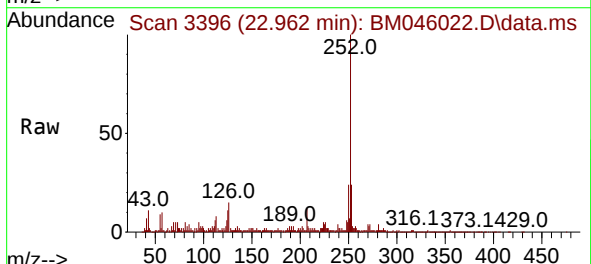
Manual Integrations
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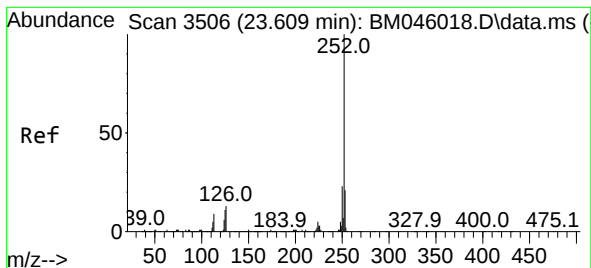
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



#91
Benzo(k)fluoranthene
Concen: 17.982 ng/u1
RT: 22.962 min Scan# 3396
Delta R.T. 0.006 min
Lab File: BM046022.D
Acq: 13 Jun 2024 13:59

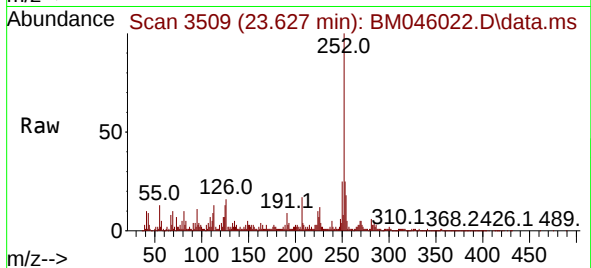
Tgt Ion:252 Resp: 766280
Ion Ratio Lower Upper
252 100
253 23.7 16.8 25.2
125 11.4 8.2 12.4





#93
Benzo(a)pyrene
Concen: 20.317 ng/ul
RT: 23.627 min Scan# 3506
Delta R.T. 0.006 min
Lab File: BM046022.D
Acq: 13 Jun 2024 13:59

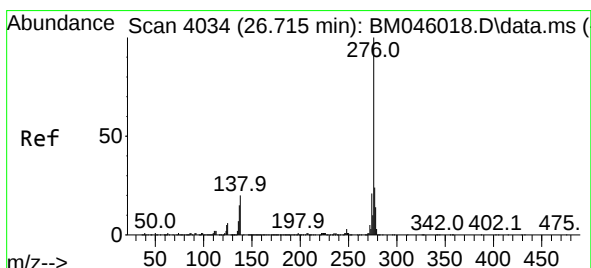
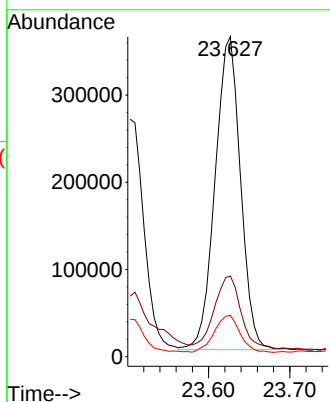
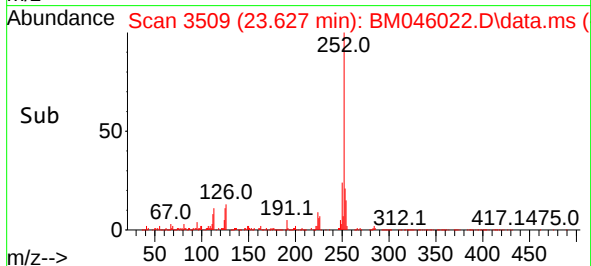
Instrument :
BNA_M
ClientSampleId :
BHBZ8



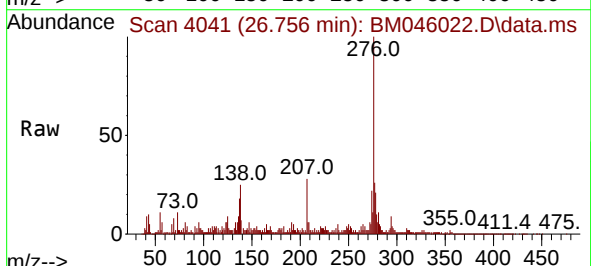
Tgt Ion:252 Resp: 77891
Ion Ratio Lower Upper
252 100
253 25.2 17.5 26.3
125 12.9 9.3 13.9

Manual Integrations
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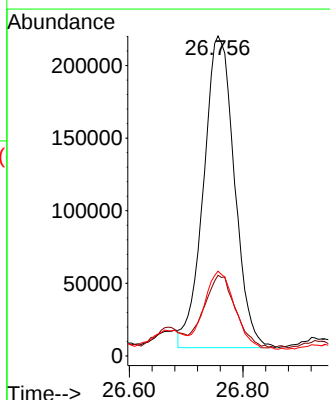
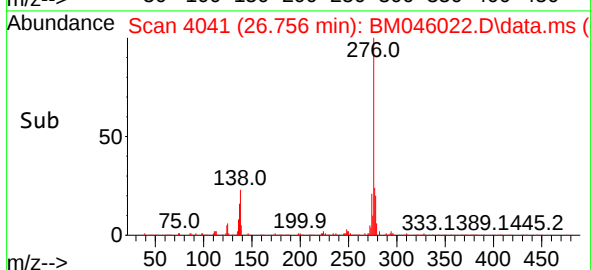
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024

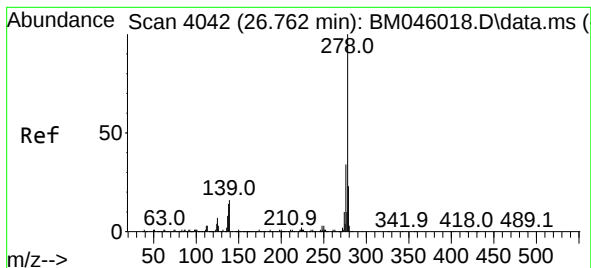


#94
Indeno(1,2,3-cd)pyrene
Concen: 19.318 ng/ul
RT: 26.756 min Scan# 4041
Delta R.T. 0.029 min
Lab File: BM046022.D
Acq: 13 Jun 2024 13:59



Tgt Ion:276 Resp: 808774
Ion Ratio Lower Upper
276 100
138 25.2 17.9 26.9
277 26.5 19.0 28.6





#95

Dibenzo(a,h)anthracene

Concen: 8.349 ng/ul

RT: 26.791 min Scan# 4042

Delta R.T. 0.018 min

Lab File: BM046022.D

Acq: 13 Jun 2024 13:59

Instrument :

BNA_M

ClientSampleId :

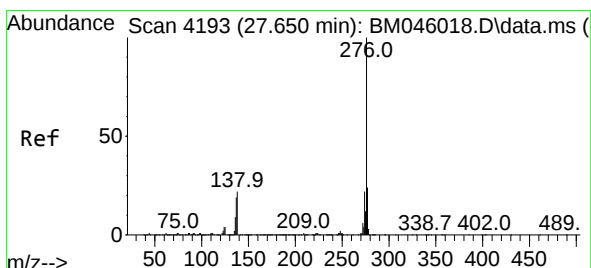
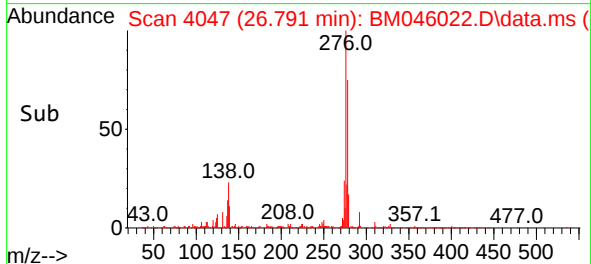
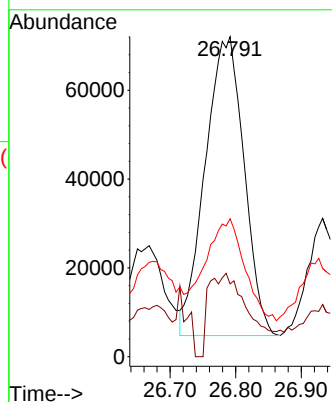
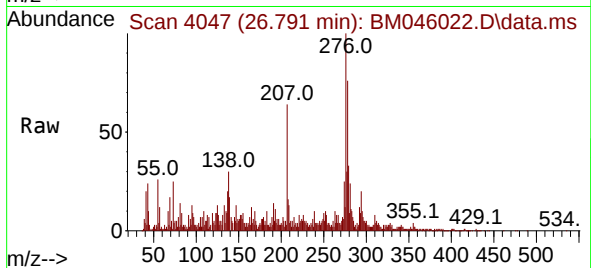
BHBZ8

Tgt Ion:278 Resp: 27647
 Ion Ratio Lower Upper
 278 100
 139 22.8 13.2 19.8
 279 43.1 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/13/2024
 Supervised By :mohammad ahmed 06/15/2024



#96

Benzo(g,h,i)perylene

Concen: 4.106 ng/ul

RT: 27.697 min Scan# 4201

Delta R.T. 0.041 min

Lab File: BM046022.D

Acq: 13 Jun 2024 13:59

Tgt Ion:276 Resp: 151403
 Ion Ratio Lower Upper
 276 100
 138 34.8 18.6 27.8#
 277 37.2 18.7 28.1#

