

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080524\
 Data File : BM046998.D
 Acq On : 05 Aug 2024 19:12
 Operator : RC/JU
 Sample : P3329-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F7E13

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/06/2024
 Supervised By :mohammad ahmed 08/07/2024

Quant Time: Aug 06 01:41:38 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM080224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 03 02:51:11 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.398	152	208118	20.000	ng/u1	0.00
20) Naphthalene-d8	10.157	136	809151	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.057	164	547145	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.816	188	1197854	20.000	ng/u1	0.00
79) Chrysene-d12	21.051	240	1136490	20.000	ng/u1	0.00
88) Perylene-d12	23.762	264	1280663	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.022	96	13024	2.479	ng/uL	0.00
4) Pyridine-d5	3.411	84	210317	14.678	ng/u1	0.00
7) Phenol-d5	6.604	99	267155	16.898	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.757	67	178813	17.190	ng/u1	0.00
11) 2-Chlorophenol-d4	6.940	132	222801	16.637	ng/u1	0.00
15) 4-Methylphenol-d8	8.116	113	221382	17.676	ng/u1	0.00
21) Nitrobenzene-d5	8.540	128	111683	17.201	ng/u1	0.00
24) 2-Nitrophenol-d4	9.257	143	124921	17.618	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.792	165	228485	16.783	ng/u1	0.00
31) 4-Chloroaniline-d4	10.304	131	300508	16.796	ng/u1	0.00
46) Dimethylphthalate-d6	13.480	166	760729	18.184	ng/u1	0.00
49) Acenaphthylene-d8	13.739	160	859417	18.404	ng/u1	0.00
54) 4-Nitrophenol-d4	14.292	143	121458	15.015	ng/u1	0.00
60) Fluorene-d10	15.063	176	660780	18.464	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.198	200	90925	12.014	ng/u1	0.00
73) Anthracene-d10	16.916	188	988688	17.411	ng/u1	0.00
81) Pyrene-d10	19.227	212	1221989	18.783	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.580	264	1262286	18.718	ng/u1	0.00
Target Compounds					Qvalue	
8) Phenol	6.628	94	77547	4.871	ng/u1	94
13) 2-Methylphenol	7.857	108	27948	2.304	ng/u1	94
18) 4-Methylphenol	8.181	108	88176	6.729	ng/u1	99
26) 2,4-Dimethylphenol	9.369	107	44476m	2.909	ng/u1	
30) Naphthalene	10.210	128	7155629	167.026	ng/u1	100
36) 2-Methylnaphthalene	11.833	142	1783284	59.613	ng/u1	99
37) 1-Methylnaphthalene	12.057	142	853079	28.171	ng/u1	98
43) 1,1'-Biphenyl	12.875	154	494470	12.080	ng/u1	99
50) Acenaphthylene	13.769	152	127216	2.579	ng/u1#	96
52) Acenaphthene	14.122	153	1389743	39.087	ng/u1	99
56) Dibenzofuran	14.463	168	1612843	32.321	ng/u1	97
61) Fluorene	15.116	166	1592923	38.703	ng/u1	98
72) Phenanthrene	16.863	178	6608485	98.418	ng/u1	99
74) Anthracene	16.951	178	1079017	15.934	ng/u1	99
77) Carbazole	17.227	167	714078	11.375	ng/u1	99
80) Fluoranthene	18.892	202	4099558	52.727	ng/u1	99
82) Pyrene	19.257	202	2720081	32.833	ng/u1	99
85) Benzo(a)anthracene	21.033	228	875101	10.543	ng/u1	99
87) Chrysene	21.092	228	694481	8.773	ng/u1	98
90) Benzo(b)fluoranthene	22.915	252	467101	5.896	ng/u1	98
91) Benzo(k)fluoranthene	22.968	252	176104m	2.250	ng/u1	
93) Benzo(a)pyrene	23.639	252	281869	3.819	ng/u1	99

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

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

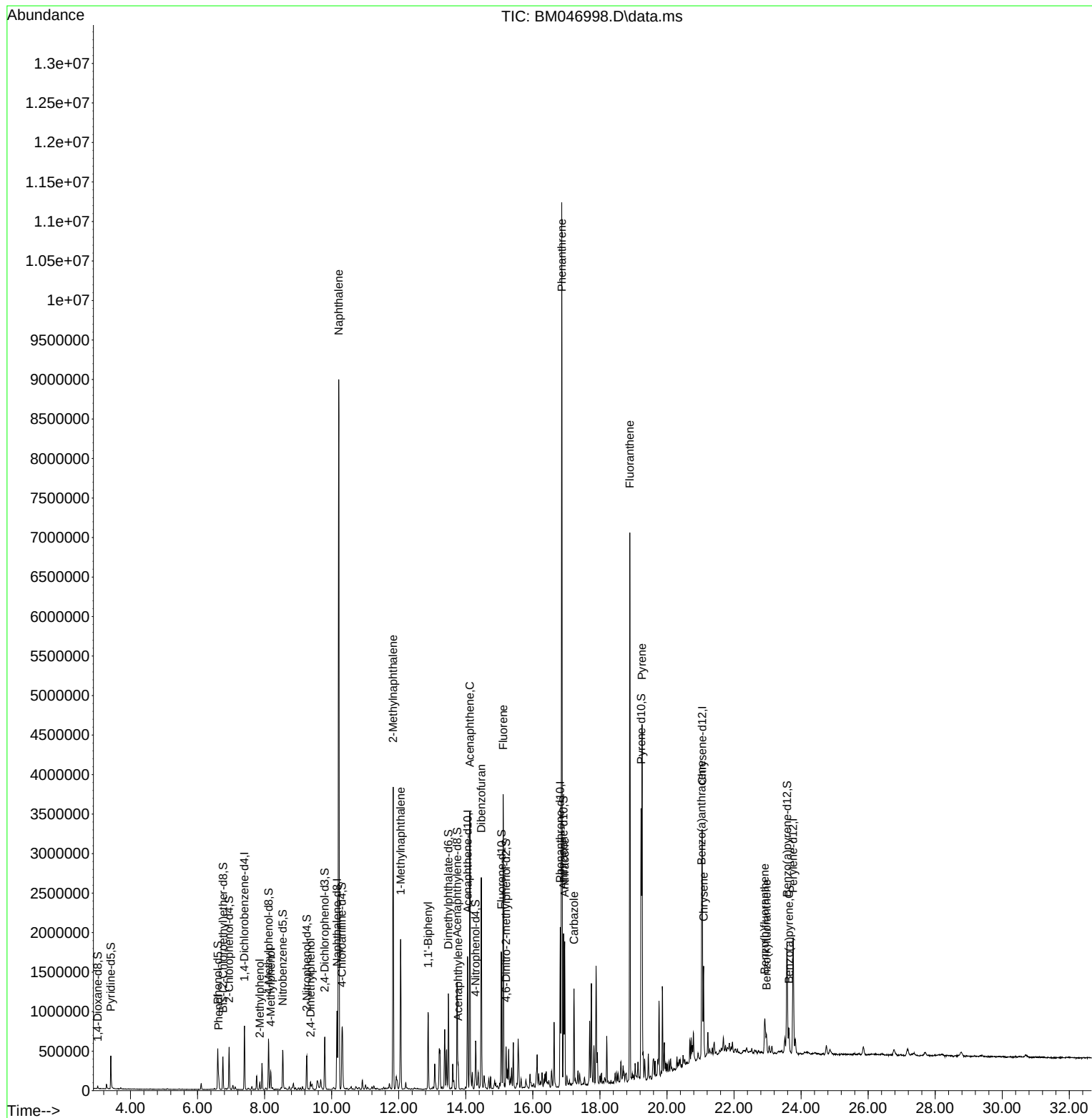
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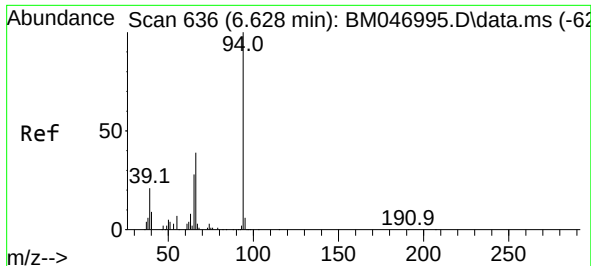
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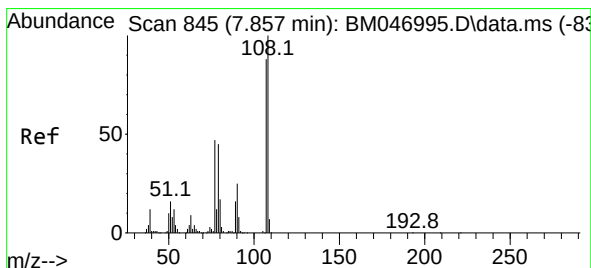
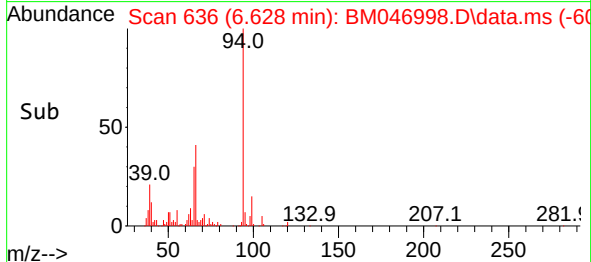
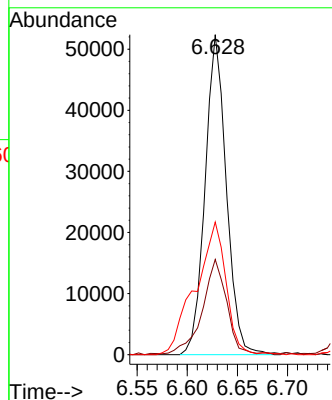
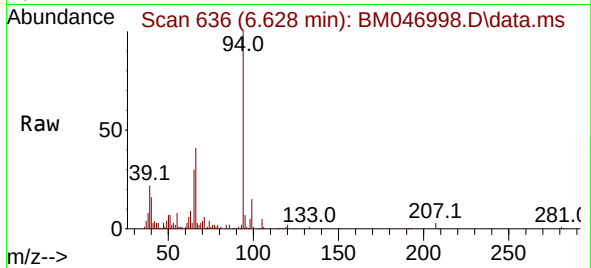
#8
Phenol
Concen: 4.871 ng/ul
RT: 6.628 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM046998.D
Acq: 05 Aug 2024 19:12

Instrument :
BNA_M
ClientSampleId :
F7E13

Tgt Ion	Ratio	Lower	Upper
94	100		
65	29.8	25.1	37.7
66	41.5	37.7	56.5

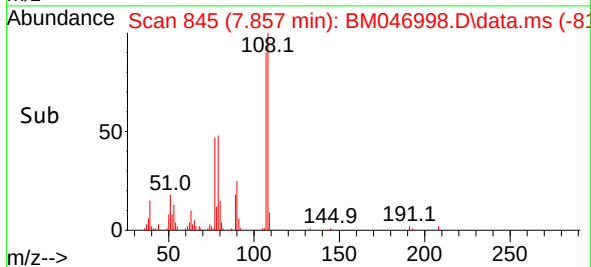
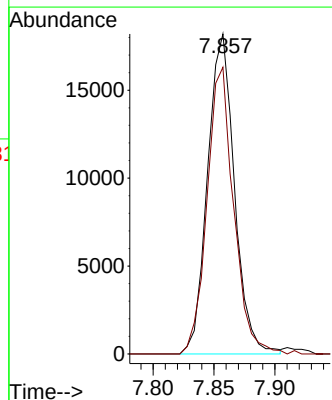
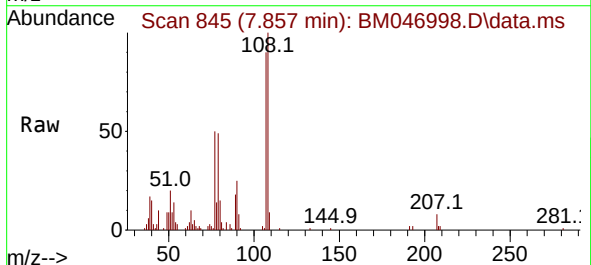
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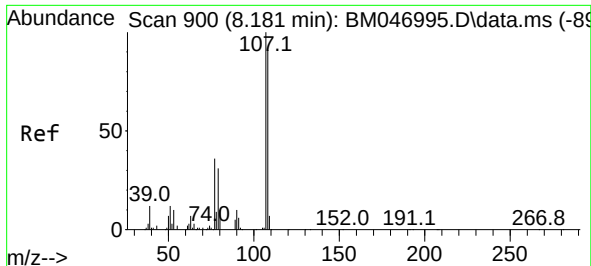
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#13
2-Methylphenol
Concen: 2.304 ng/ul
RT: 7.857 min Scan# 845
Delta R.T. 0.000 min
Lab File: BM046998.D
Acq: 05 Aug 2024 19:12

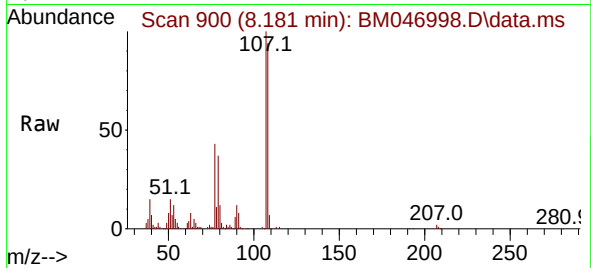
Tgt Ion	Ratio	Lower	Upper
108	100		
107	89.6	67.4	101.0





#18
4-Methylphenol
Concen: 6.729 ng/ul
RT: 8.181 min Scan# 900
Delta R.T. -0.006 min
Lab File: BM046998.D
Acq: 05 Aug 2024 19:12

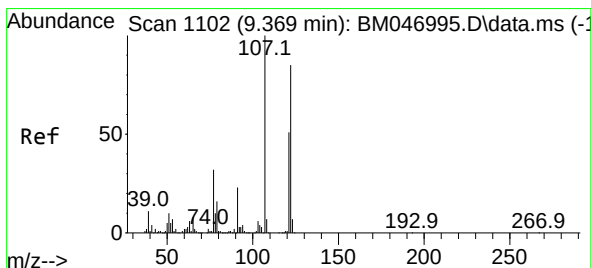
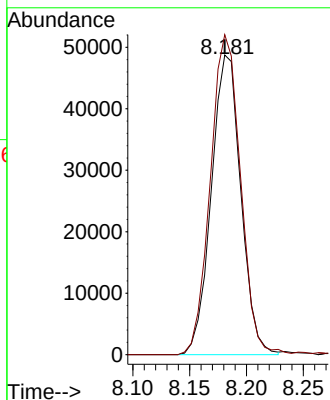
Instrument :
BNA_M
ClientSampleId :
F7E13



Tgt Ion:108 Resp: 88170
Ion Ratio Lower Upper
108 100
107 106.8 86.4 129.6

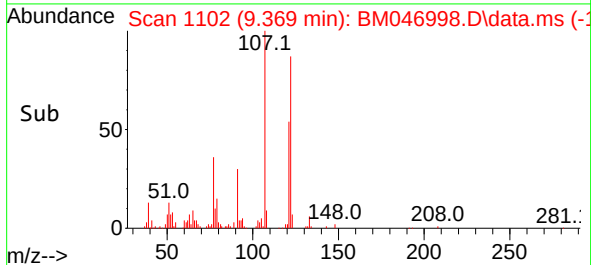
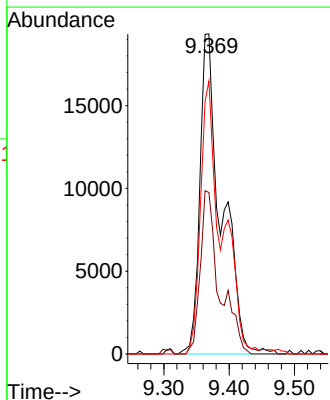
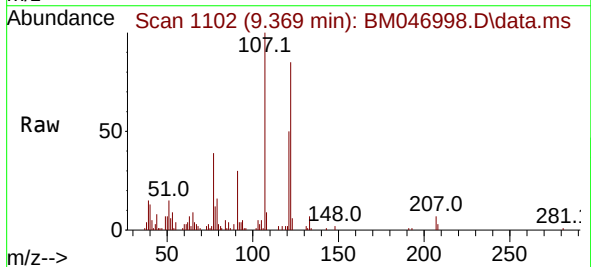
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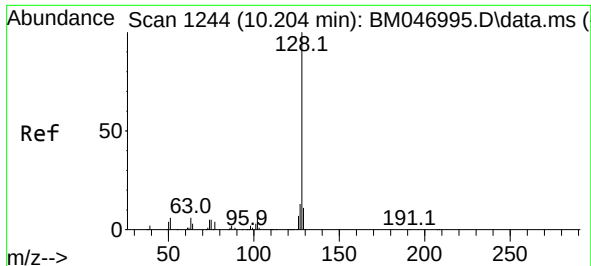
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#26
2,4-Dimethylphenol
Concen: 2.909 ng/ul m
RT: 9.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: BM046998.D
Acq: 05 Aug 2024 19:12

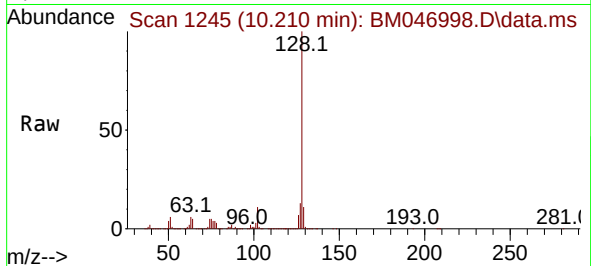
Tgt Ion:107 Resp: 44476
Ion Ratio Lower Upper
107 100
121 50.5 37.3 55.9
122 85.3 65.8 98.6





#30
Naphthalene
Concen: 167.026 ng/ul
RT: 10.210 min Scan# 1244
Delta R.T. 0.000 min
Lab File: BM046998.D
Acq: 05 Aug 2024 19:12

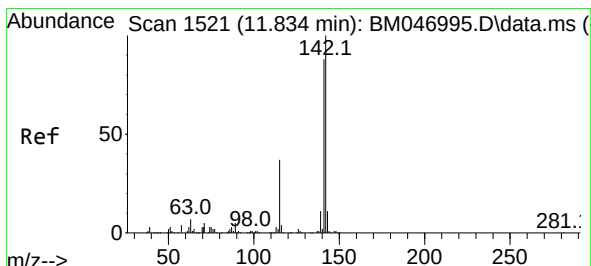
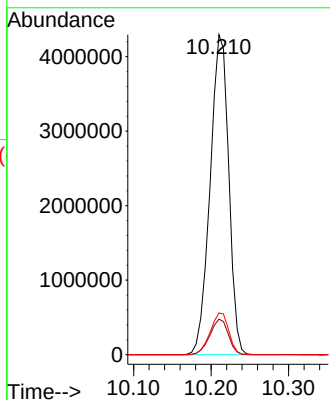
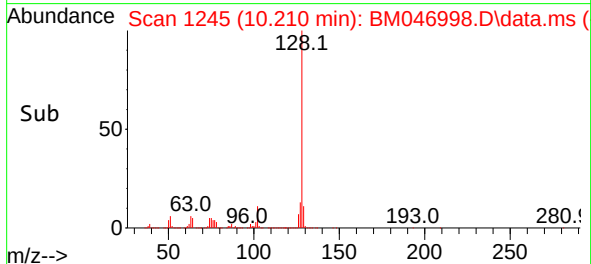
Instrument :
BNA_M
ClientSampleId :
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Tgt Ion:128 Resp: 7155629
Ion Ratio Lower Upper
128 100
129 11.1 8.6 13.0
127 13.0 10.4 15.6

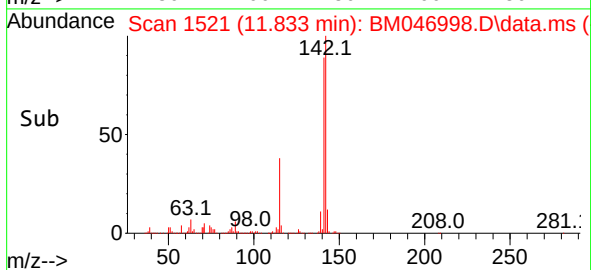
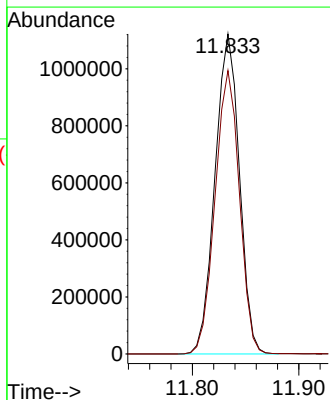
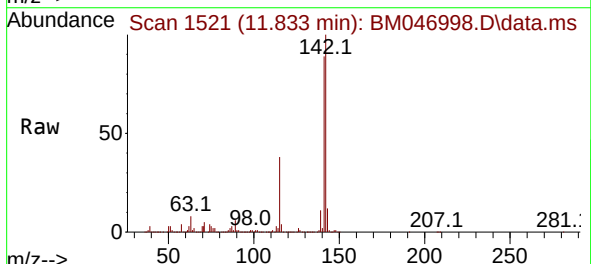
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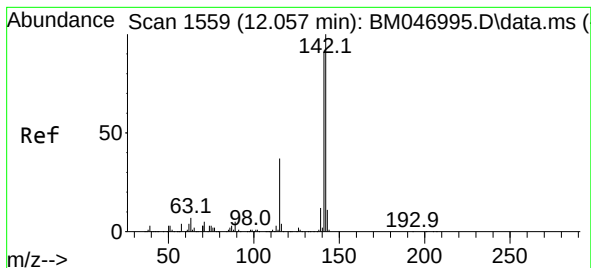
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#36
2-Methylnaphthalene
Concen: 59.613 ng/ul
RT: 11.833 min Scan# 1521
Delta R.T. -0.006 min
Lab File: BM046998.D
Acq: 05 Aug 2024 19:12

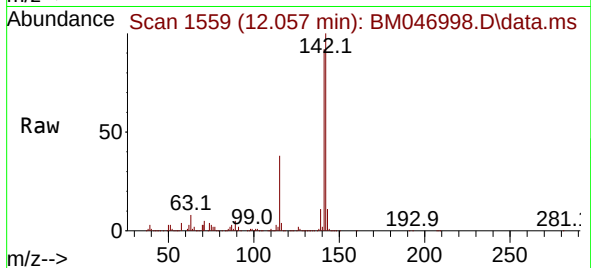
Tgt Ion:142 Resp: 1783284
Ion Ratio Lower Upper
142 100
141 88.5 69.9 104.9





#37
1-Methylnaphthalene
Concen: 28.171 ng/ul
RT: 12.057 min Scan# 1559
Delta R.T. -0.006 min
Lab File: BM046998.D
Acq: 05 Aug 2024 19:12

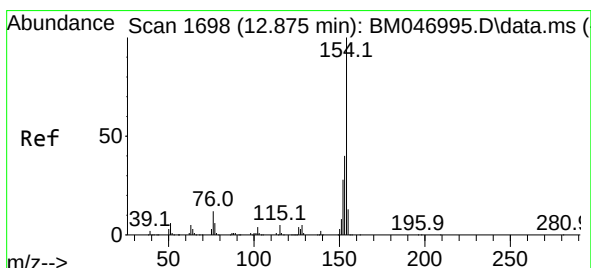
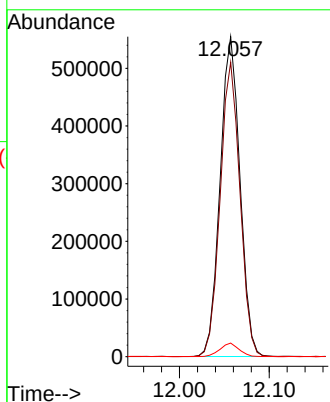
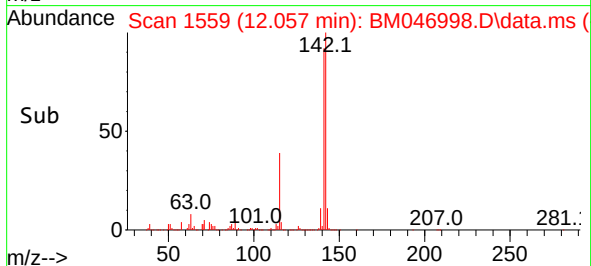
Instrument :
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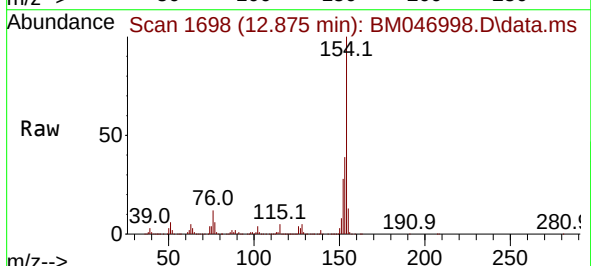
Tgt Ion:142 Resp: 853079
Ion Ratio Lower Upper
142 100
141 92.0 72.0 108.0
116 4.2 3.6 5.4

Manual Integrations
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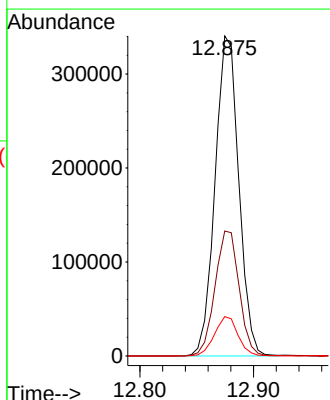
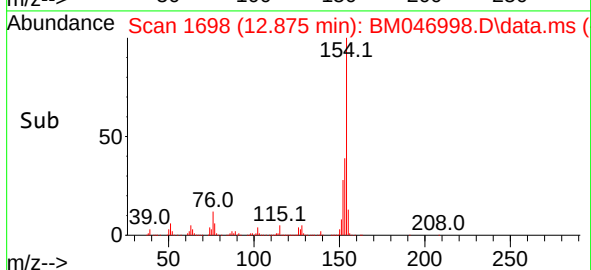
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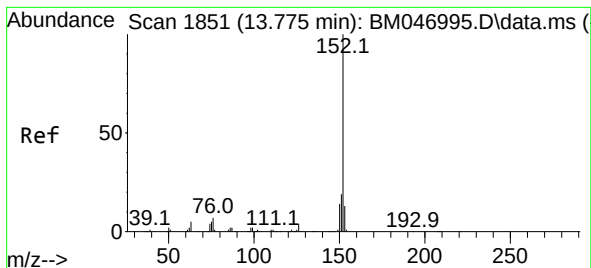


#43
1,1'-Biphenyl
Concen: 12.080 ng/ul
RT: 12.875 min Scan# 1698
Delta R.T. -0.006 min
Lab File: BM046998.D
Acq: 05 Aug 2024 19:12



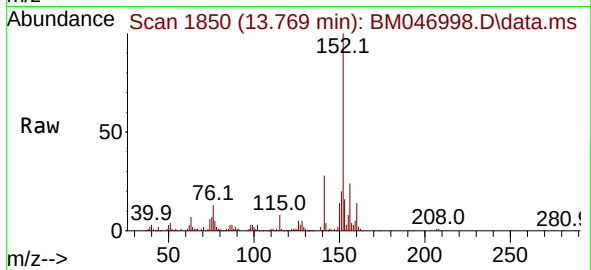
Tgt Ion:154 Resp: 494470
Ion Ratio Lower Upper
154 100
153 39.0 30.7 46.1
76 12.3 9.3 13.9





#50
Acenaphthylene
Concen: 2.579 ng/u1
RT: 13.769 min Scan# 1850
Delta R.T. -0.006 min
Lab File: BM046998.D
Acq: 05 Aug 2024 19:12

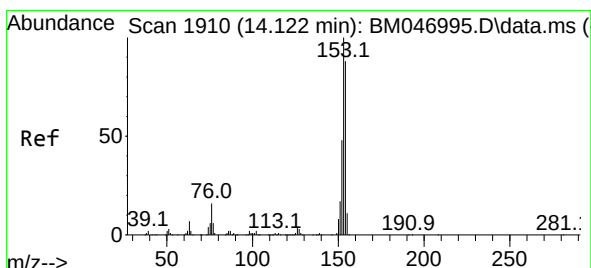
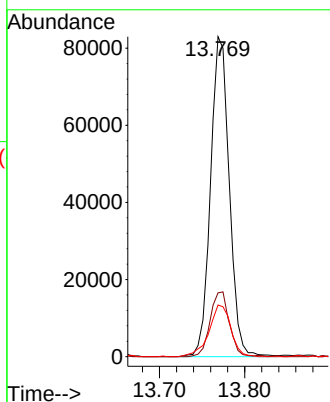
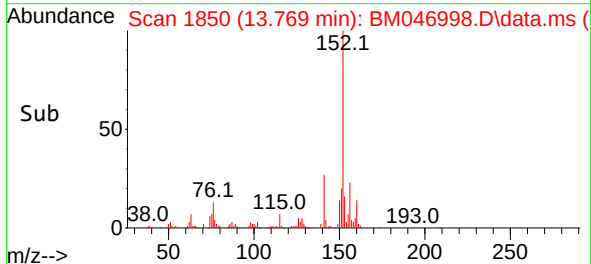
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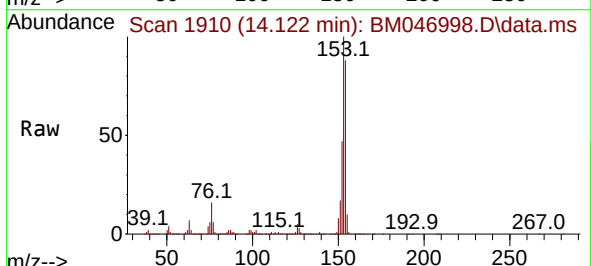
Tgt Ion:152 Resp: 127210
Ion Ratio Lower Upper
152 100
151 20.0 15.7 23.5
153 16.2 10.1 15.1

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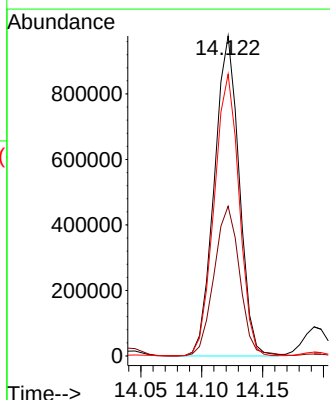
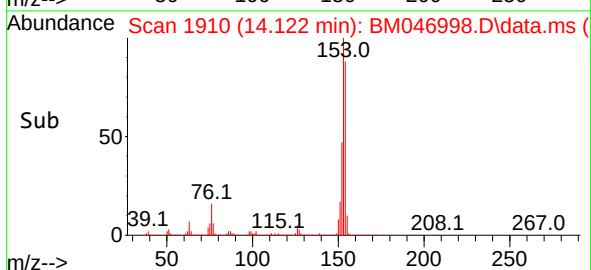
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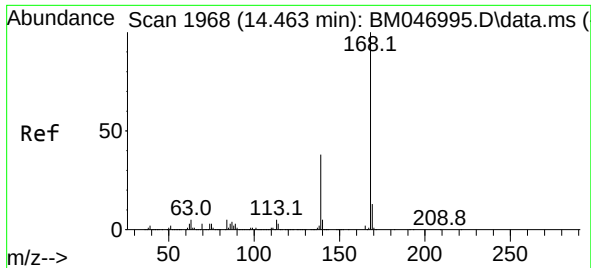


#52
Acenaphthene
Concen: 39.087 ng/u1
RT: 14.122 min Scan# 1910
Delta R.T. 0.000 min
Lab File: BM046998.D
Acq: 05 Aug 2024 19:12



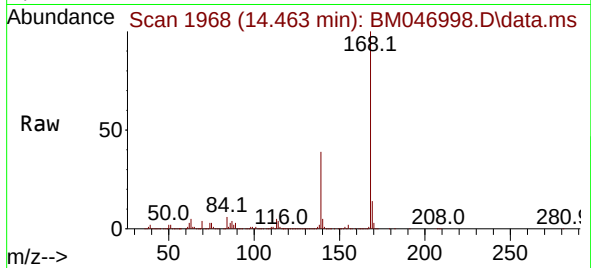
Tgt Ion:153 Resp: 1389743
Ion Ratio Lower Upper
153 100
152 46.8 38.2 57.2
154 88.1 70.1 105.1





#56
Dibenzofuran
Concen: 32.321 ng/ul
RT: 14.463 min Scan# 1968
Delta R.T. -0.006 min
Lab File: BM046998.D
Acq: 05 Aug 2024 19:12

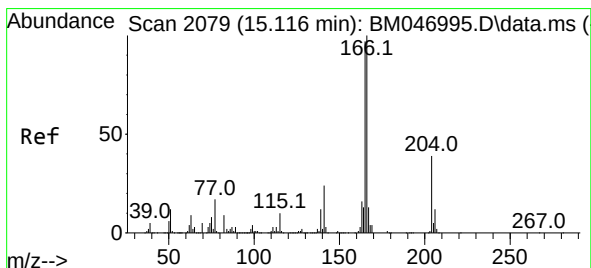
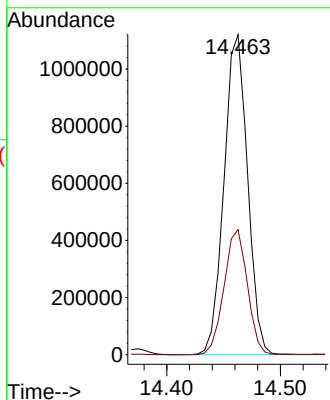
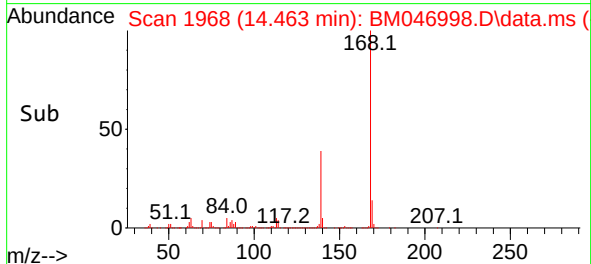
Instrument :
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ClientSampleId :
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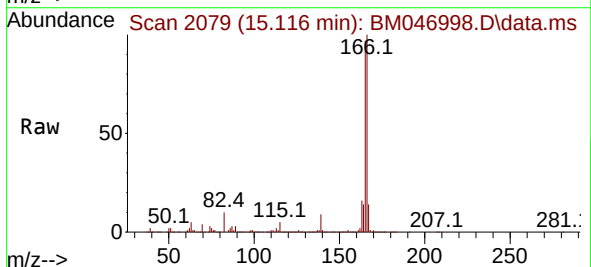
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Ion Ratio Lower Upper
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139 39.1 33.0 49.4

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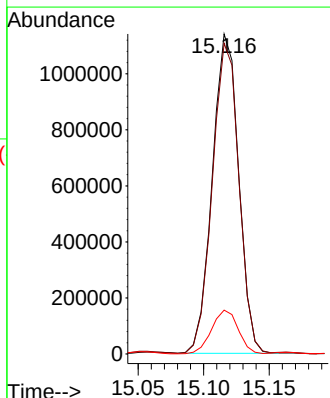
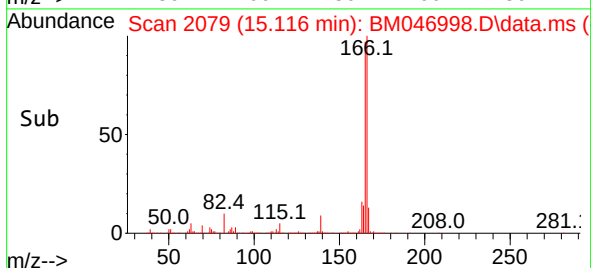
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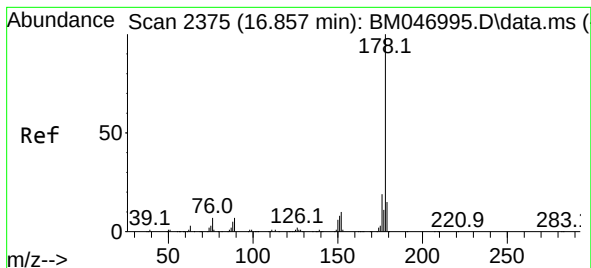


#61
Fluorene
Concen: 38.703 ng/ul
RT: 15.116 min Scan# 2079
Delta R.T. -0.006 min
Lab File: BM046998.D
Acq: 05 Aug 2024 19:12



Tgt Ion:166 Resp: 1592923
Ion Ratio Lower Upper
166 100
165 97.0 79.5 119.3
167 13.7 11.5 17.3





#72

Phenanthrene

Concen: 98.418 ng/uI

RT: 16.863 min Scan# 2375

Delta R.T. 0.000 min

Lab File: BM046998.D

Acq: 05 Aug 2024 19:12

Instrument :

BNA_M

ClientSampleId :

F7E13

Tgt Ion:178 Resp: 660848

Ion Ratio Lower Upper

178 100

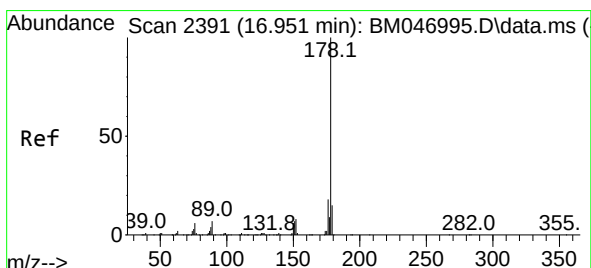
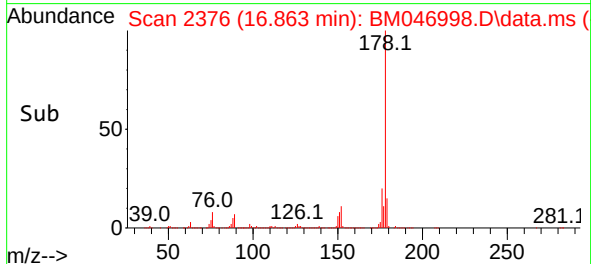
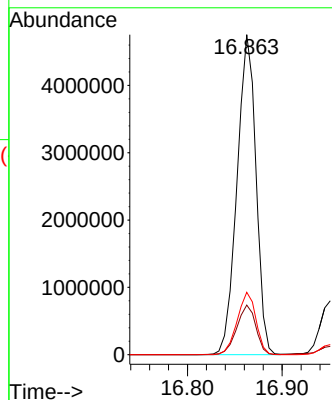
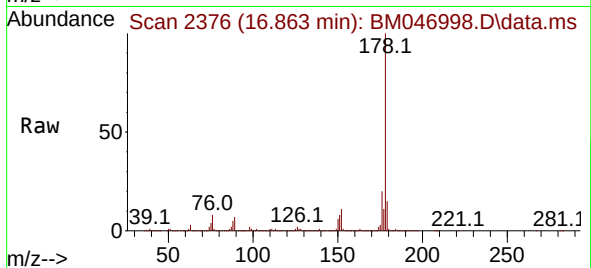
179 15.5 12.3 18.5

176 19.5 15.3 22.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#74

Anthracene

Concen: 15.934 ng/uI

RT: 16.951 min Scan# 2391

Delta R.T. 0.000 min

Lab File: BM046998.D

Acq: 05 Aug 2024 19:12

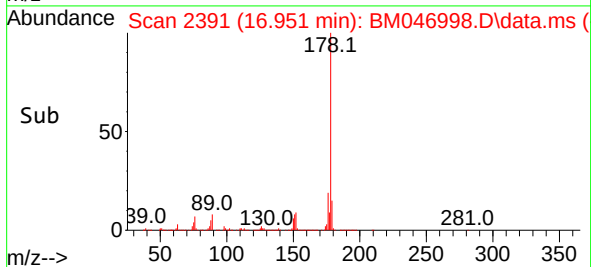
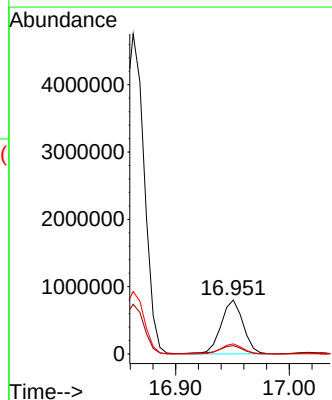
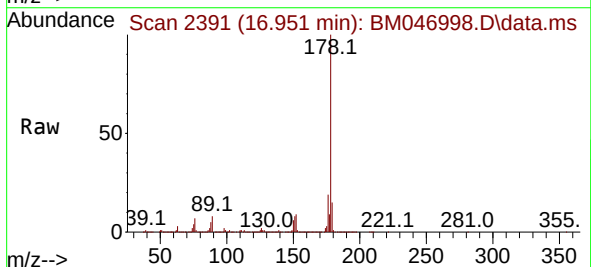
Tgt Ion:178 Resp: 1079017

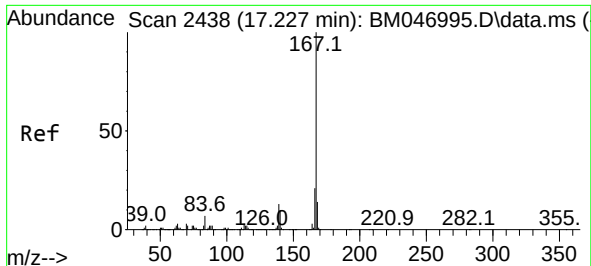
Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.2

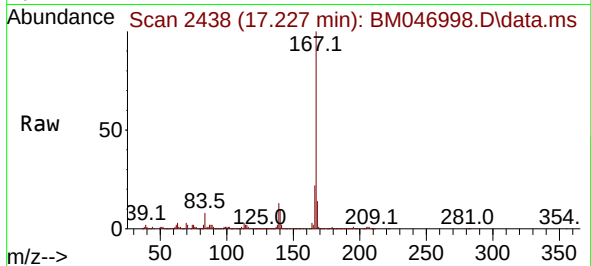
176 18.6 14.6 22.0





#77
 Carbazole
 Concen: 11.375 ng/ul
 RT: 17.227 min Scan# 2438
 Delta R.T. -0.006 min
 Lab File: BM046998.D
 Acq: 05 Aug 2024 19:12

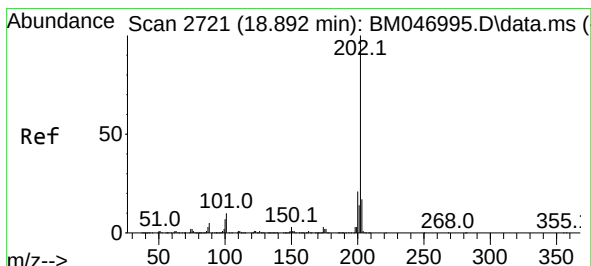
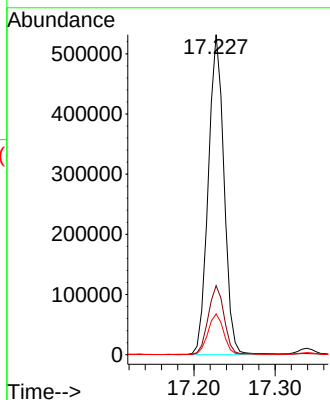
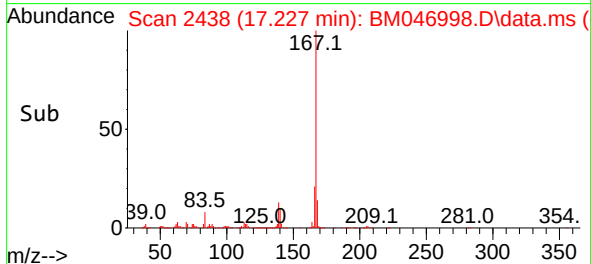
Instrument :
 BNA_M
 ClientSampleId :
 F7E13



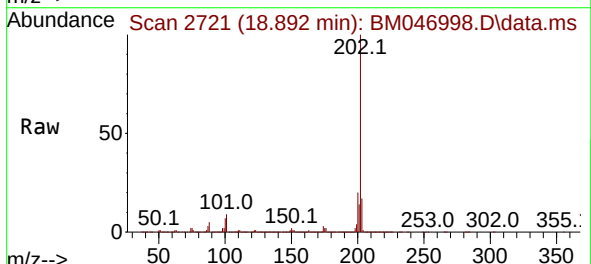
Tgt Ion:167 Resp: 714078
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.0 25.4
 139 12.7 10.6 16.0

Manual Integrations
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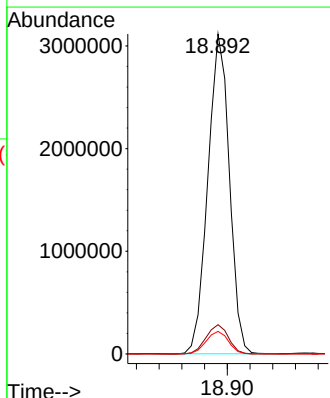
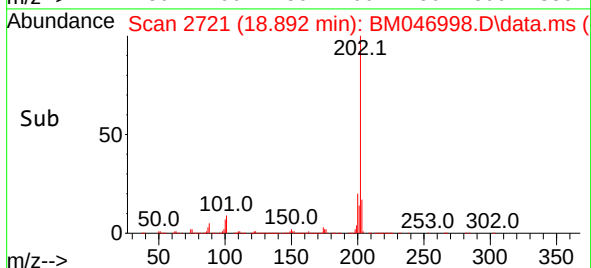
Reviewed By :Jagrut Upadhyay 08/06/2024
 Supervised By :mohammad ahmed 08/07/2024

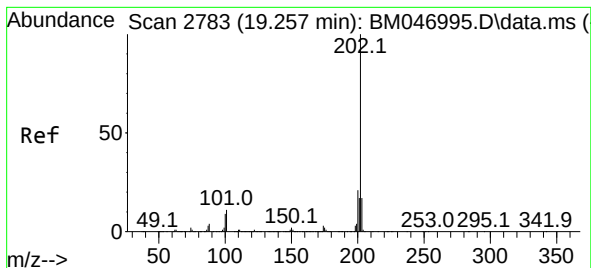


#80
 Fluoranthene
 Concen: 52.727 ng/ul
 RT: 18.892 min Scan# 2721
 Delta R.T. 0.000 min
 Lab File: BM046998.D
 Acq: 05 Aug 2024 19:12



Tgt Ion:202 Resp: 4099558
 Ion Ratio Lower Upper
 202 100
 101 9.1 7.8 11.6
 100 7.0 5.9 8.9





#82

Pyrene

Concen: 32.833 ng/ul

RT: 19.257 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM046998.D

Acq: 05 Aug 2024 19:12

Instrument :

BNA_M

ClientSampleId :

F7E13

Tgt Ion:202 Resp: 272008

Ion Ratio Lower Upper

202 100

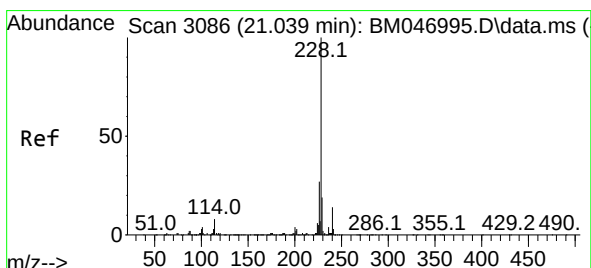
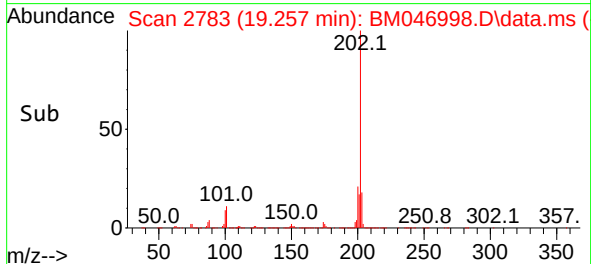
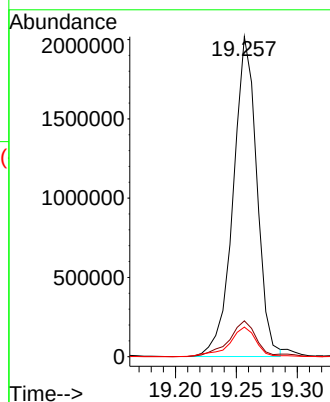
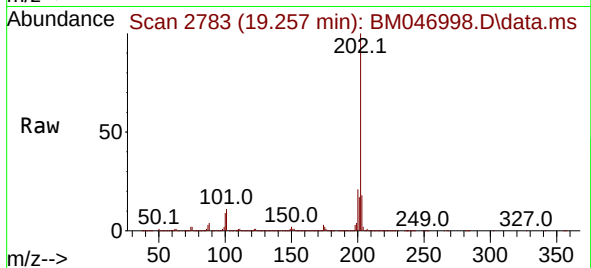
101 11.2 8.7 13.1

100 9.2 6.8 10.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#85

Benzo(a)anthracene

Concen: 10.543 ng/ul

RT: 21.033 min Scan# 3085

Delta R.T. -0.006 min

Lab File: BM046998.D

Acq: 05 Aug 2024 19:12

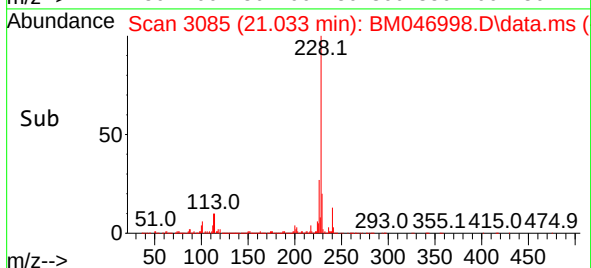
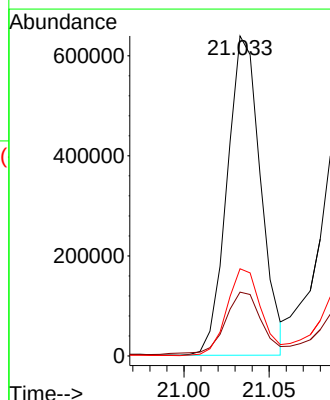
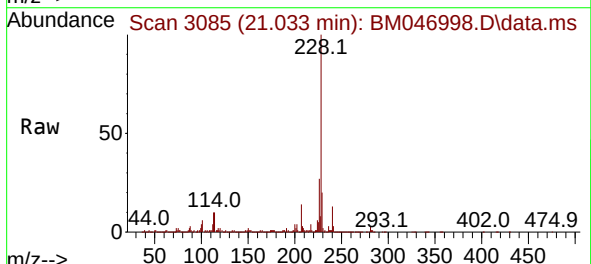
Tgt Ion:228 Resp: 875101

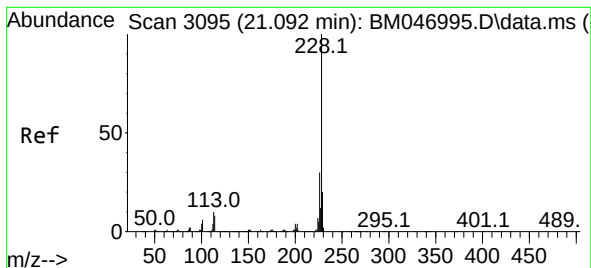
Ion Ratio Lower Upper

228 100

229 20.0 15.5 23.3

226 27.3 21.2 31.8





#87

Chrysene

Concen: 8.773 ng/ul

RT: 21.092 min Scan# 3095

Delta R.T. -0.006 min

Lab File: BM046998.D

Acq: 05 Aug 2024 19:12

Instrument :

BNA_M

ClientSampleId :

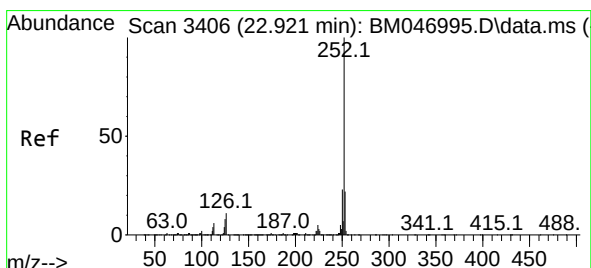
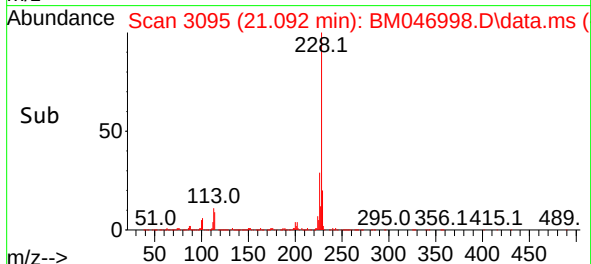
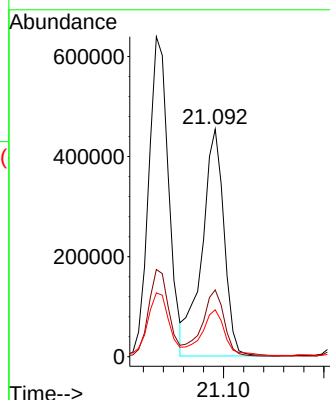
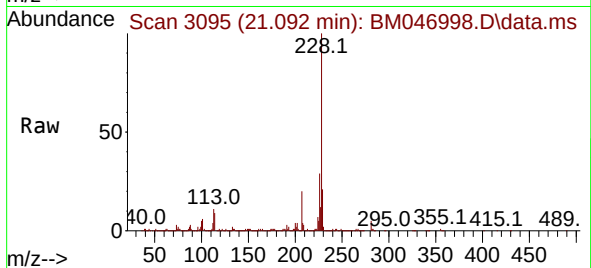
F7E13

Tgt Ion:	228	Resp:	69448
Ion Ratio	Lower	Upper	
228	100		
226	29.3	24.0	36.0
229	20.6	15.5	23.3

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#90

Benzo(b)fluoranthene

Concen: 5.896 ng/ul

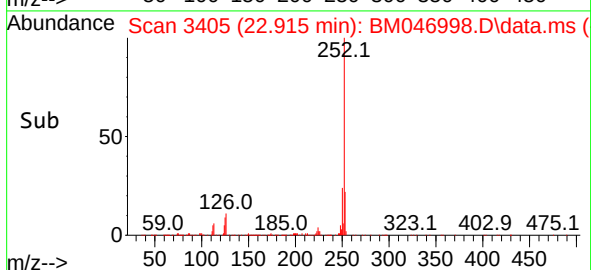
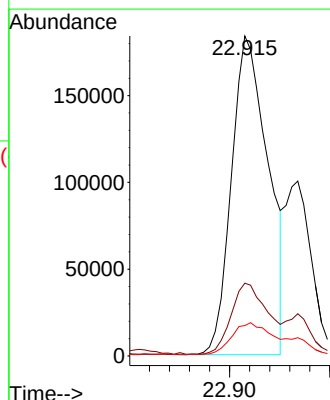
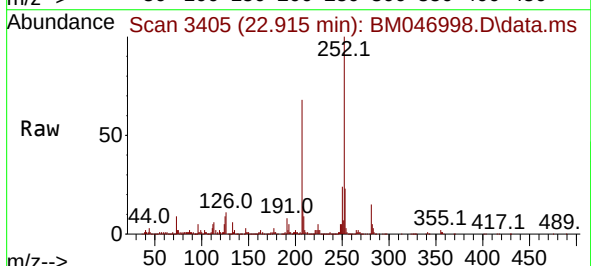
RT: 22.915 min Scan# 3405

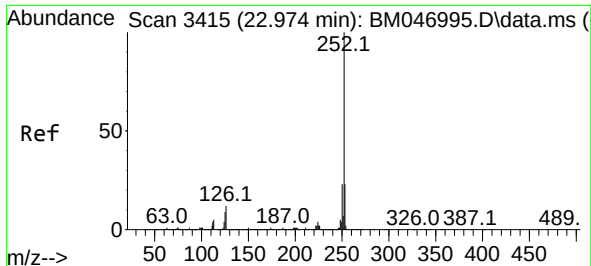
Delta R.T. -0.006 min

Lab File: BM046998.D

Acq: 05 Aug 2024 19:12

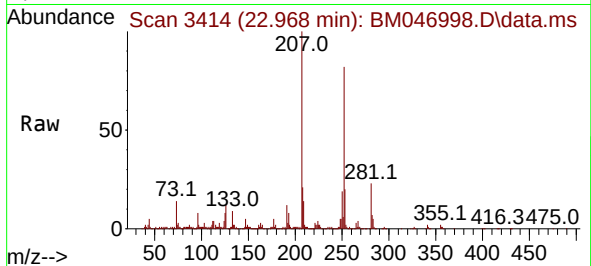
Tgt Ion:	252	Resp:	467101
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.4	26.2
125	9.5	7.0	10.6





#91
Benzo(k)fluoranthene
Concen: 2.250 ng/ul m
RT: 22.968 min Scan# 3415
Delta R.T. -0.012 min
Lab File: BM046998.D
Acq: 05 Aug 2024 19:12

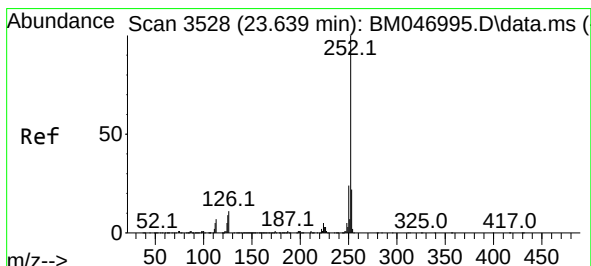
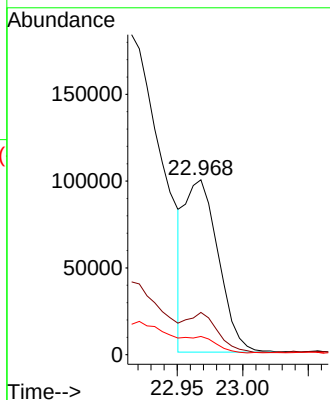
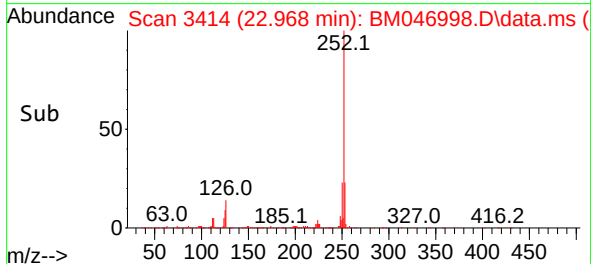
Instrument :
BNA_M
ClientSampleId :
F7E13



Tgt Ion:252 Resp: 176104
Ion Ratio Lower Upper
252 100
253 24.2 17.0 25.6
125 10.4 6.9 10.3

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#93
Benzo(a)pyrene
Concen: 3.819 ng/ul
RT: 23.639 min Scan# 3528
Delta R.T. -0.006 min
Lab File: BM046998.D
Acq: 05 Aug 2024 19:12

Tgt Ion:252 Resp: 281869
Ion Ratio Lower Upper
252 100
253 22.1 18.2 27.2
125 10.7 8.1 12.1

