

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051122\
 Data File : BM034990.D
 Acq On : 11 May 2022 18:07
 Operator : CG/JU
 Sample : N2603-23
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW4A2

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/12/2022
 Supervised By :Yogesh Patel 05/17/2022

Quant Time: May 12 03:29:15 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM051022.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 10 16:40:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	180823	20.000	ng/u1	0.00
20) Naphthalene-d8	10.722	136	744343	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.551	164	417845	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.292	188	742469	20.000	ng/u1	0.00
79) Chrysene-d12	21.468	240	635782	20.000	ng/u1	0.00
88) Perylene-d12	23.856	264	696434	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.363	96	23981	5.548	ng/uL	0.00
4) Pyridine-d5	3.781	84	161987	13.597	ng/u1	0.00
7) Phenol-d5	7.081	99	441748	28.239	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.251	67	306754	31.242	ng/u1	0.00
11) 2-Chlorophenol-d4	7.451	132	397084	32.303	ng/u1	0.00
15) 4-Methylphenol-d8	8.622	113	251008	19.681	ng/u1	0.00
21) Nitrobenzene-d5	9.075	128	194644	34.118	ng/u1	0.00
24) 2-Nitrophenol-d4	9.804	143	210259	34.170	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.339	165	351677	30.539	ng/u1	0.00
31) 4-Chloroaniline-d4	10.857	131	293286	17.887	ng/u1	0.00
46) Dimethylphthalate-d6	13.963	166	1116552	35.432	ng/u1	0.00
49) Acenaphthylene-d8	14.245	160	1326241	33.168	ng/u1	0.00
54) 4-Nitrophenol-d4	14.739	143	112660	20.924	ng/u1	0.00
60) Fluorene-d10	15.545	176	946860	35.616	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.657	200	98272	21.004	ng/u1	0.00
73) Anthracene-d10	17.392	188	1277100	35.354	ng/u1	0.00
81) Pyrene-d10	19.680	212	1400722	35.282	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.703	264	1409777	38.732	ng/u1	0.00
Target Compounds	Qvalue					
30) Naphthalene	10.775	128	246072	6.293	ng/u1	99
36) 2-Methylnaphthalene	12.380	142	98192	3.632	ng/u1	98
37) 1-Methylnaphthalene	12.598	142	65487	2.395	ng/u1	97
50) Acenaphthylene	14.274	152	109659	2.730	ng/u1	97
52) Acenaphthene	14.616	153	96047	3.577	ng/u1	99
56) Dibenzofuran	14.951	168	370947	10.031	ng/u1	95
61) Fluorene	15.598	166	535252	17.694	ng/u1	100
72) Phenanthrene	17.339	178	3614624	86.553	ng/u1	99
74) Anthracene	17.427	178	838428	19.850	ng/u1	100
77) Carbazole	17.692	167	194998	5.251	ng/u1	99
80) Fluoranthene	19.351	202	4236040	88.759	ng/u1	98
82) Pyrene	19.709	202	3278589	67.271	ng/u1	99
85) Benzo(a)anthracene	21.456	228	1825352	44.189	ng/u1	98
86) Bis(2-ethylhexyl)phtha...	21.392	149	47319	1.638	ng/u1	93
87) Chrysene	21.509	228	1647765	40.963	ng/u1	97
90) Benzo(b)fluoranthene	23.133	252	2300843	49.184	ng/u1	98
91) Benzo(k)fluoranthene	23.180	252	654723m	14.698	ng/u1	
93) Benzo(a)pyrene	23.756	252	1699741	38.113	ng/u1#	94
94) Indeno(1,2,3-cd)pyrene	26.327	276	1168429	22.903	ng/u1	98
95) Dibenzo(a,h)anthracene	26.332	278	285112	6.519	ng/u1#	84
96) Benzo(g,h,i)perylene	27.085	276	926139	21.855	ng/u1#	94

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

Instrument :

BNA_M

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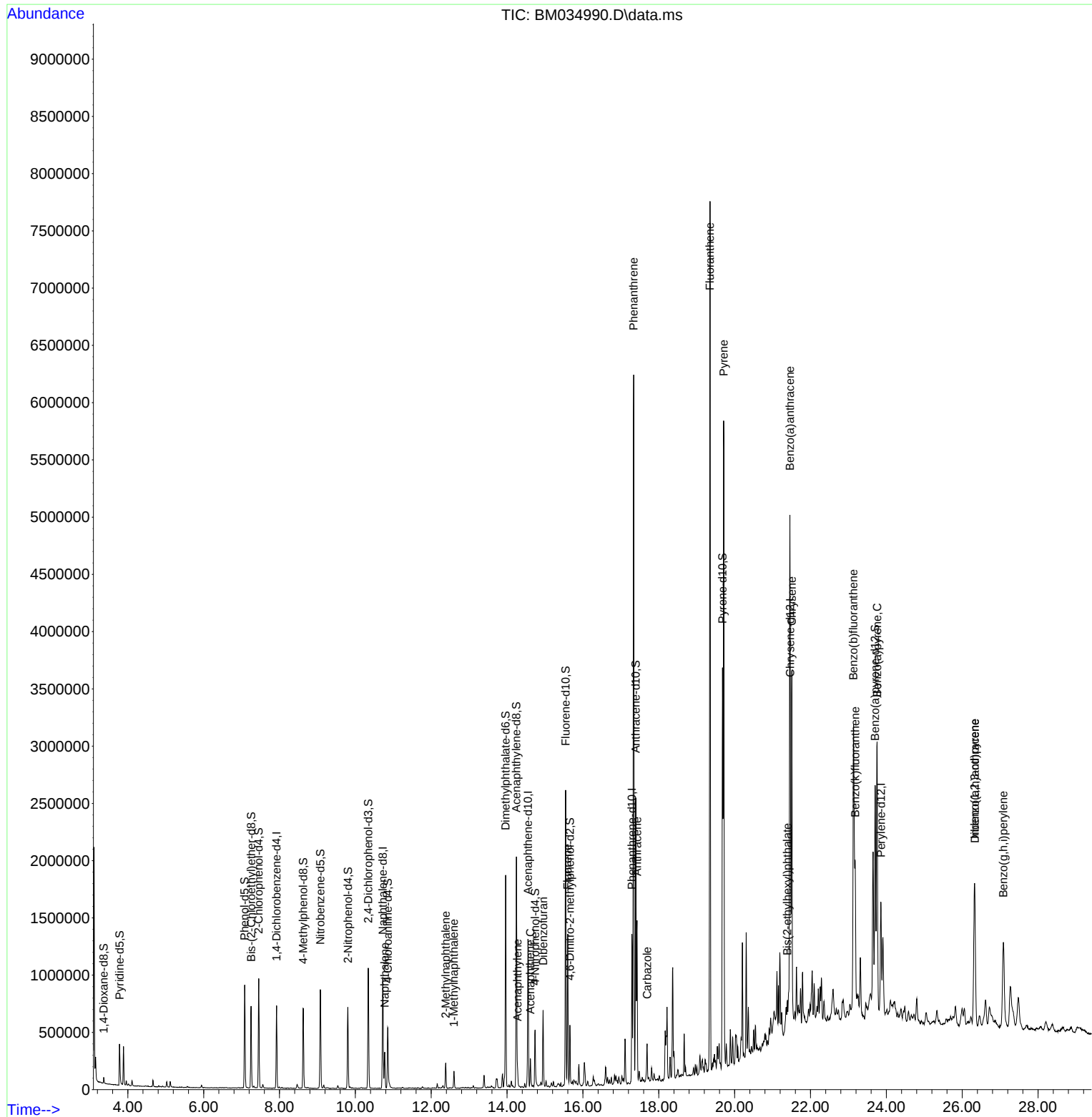
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051122\
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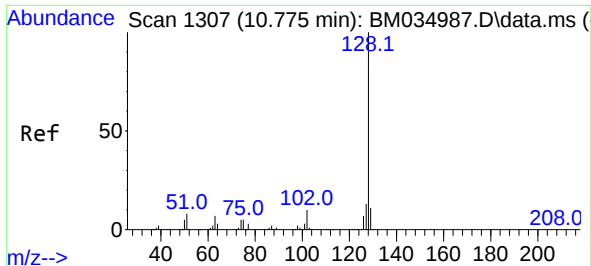
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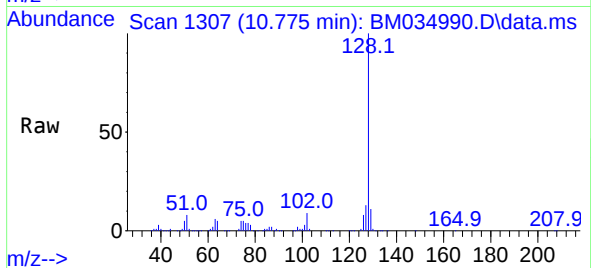
Reviewed By :Jagrut Upadhyay 05/12/2022
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#30
Naphthalene
Concen: 6.293 ng/ul
RT: 10.775 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM034990.D
Acq: 11 May 2022 18:07

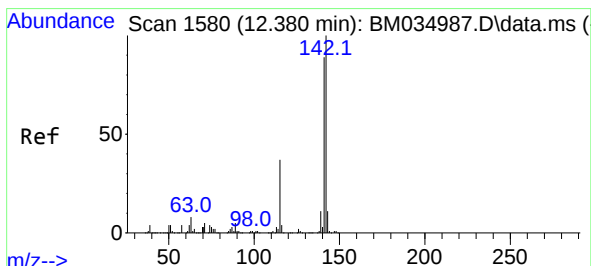
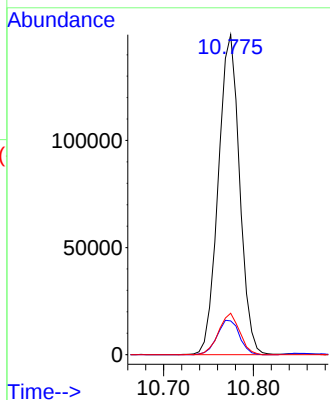
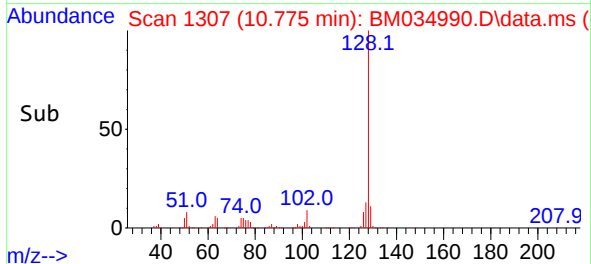
Instrument :
BNA_M
ClientSampleId :
EW4A2



Tgt Ion:128 Resp: 246072
Ion Ratio Lower Upper
128 100
129 10.6 9.1 13.7
127 12.9 10.6 16.0

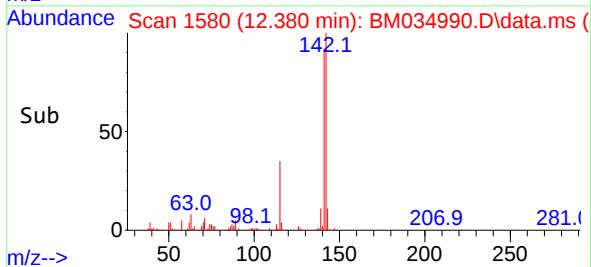
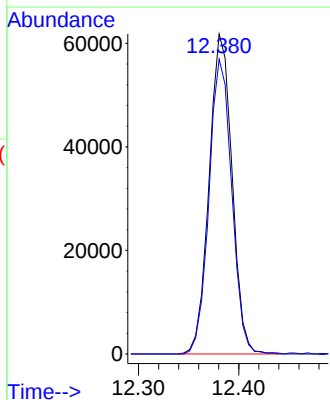
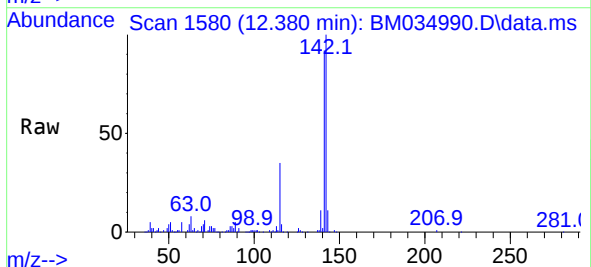
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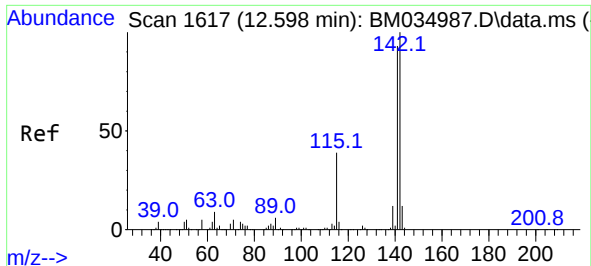
Reviewed By :Jagrut Upadhyay 05/12/2022
Supervised By :Yogesh Patel 05/17/2022



#36
2-Methylnaphthalene
Concen: 3.632 ng/ul
RT: 12.380 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BM034990.D
Acq: 11 May 2022 18:07

Tgt Ion:142 Resp: 98192
Ion Ratio Lower Upper
142 100
141 92.1 72.2 108.2





#37

1-Methylnaphthalene

Concen: 2.395 ng/ul

RT: 12.598 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM034990.D

Acq: 11 May 2022 18:07

Instrument :

BNA_M

ClientSampleId :

EW4A2

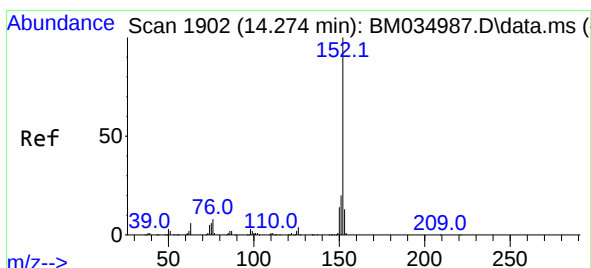
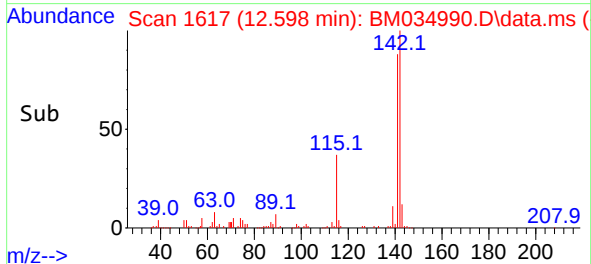
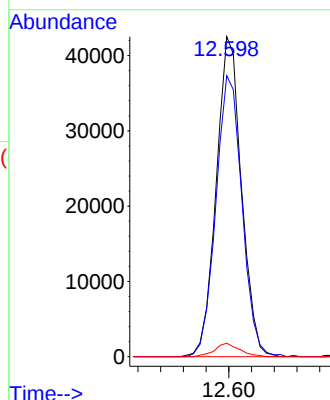
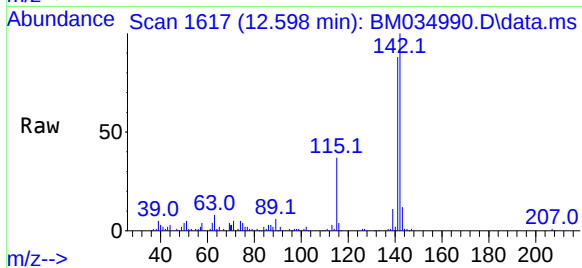
Tgt Ion:142 Resp: 6548

Ion	Ratio	Lower	Upper
142	100		
141	87.8	73.0	109.4
116	4.2	3.2	4.8

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#50

Acenaphthylene

Concen: 2.730 ng/ul

RT: 14.274 min Scan# 1902

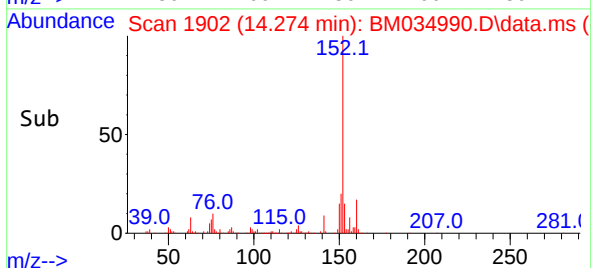
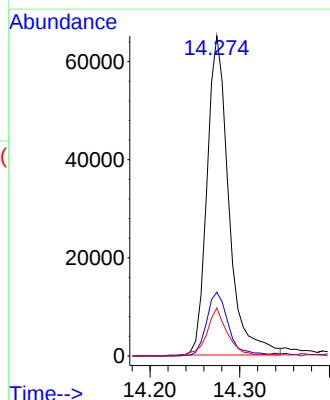
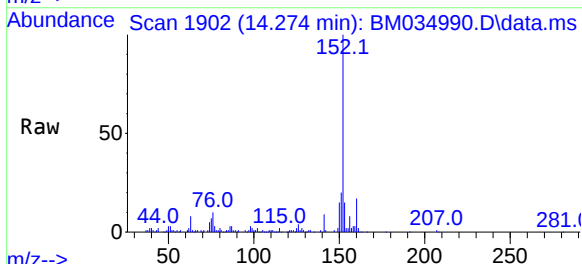
Delta R.T. 0.000 min

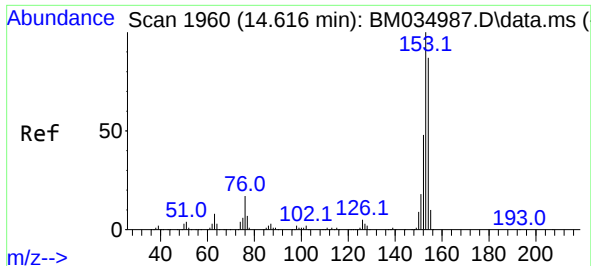
Lab File: BM034990.D

Acq: 11 May 2022 18:07

Tgt Ion:152 Resp: 109659

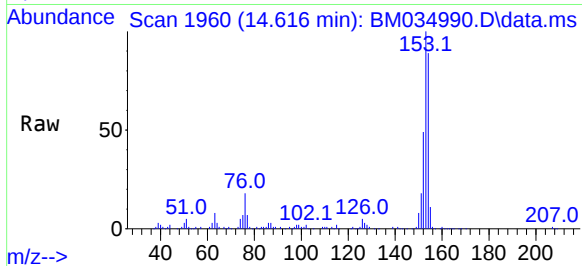
Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.3	22.9
153	15.0	10.2	15.4





#52
Acenaphthene
Concen: 3.577 ng/u1
RT: 14.616 min Scan# 1960
Delta R.T. 0.000 min
Lab File: BM034990.D
Acq: 11 May 2022 18:07

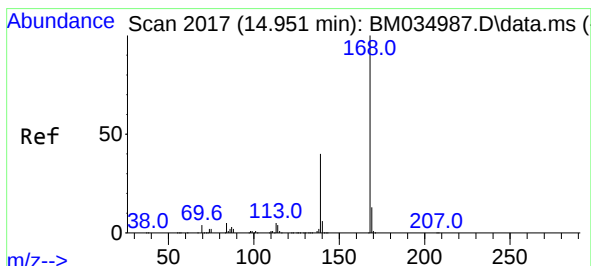
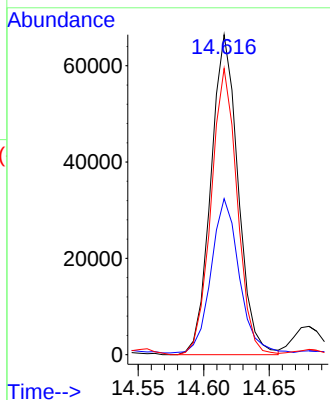
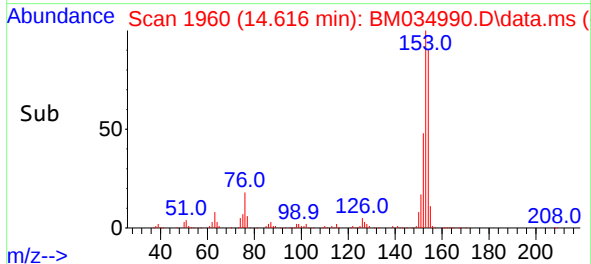
Instrument :
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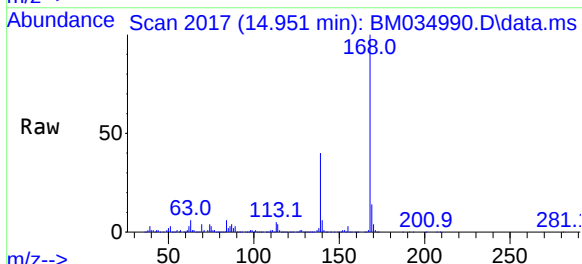
Tgt Ion:153 Resp: 9604
Ion Ratio Lower Upper
153 100
152 48.7 37.5 56.3
154 89.4 71.0 106.4

Manual Integrations
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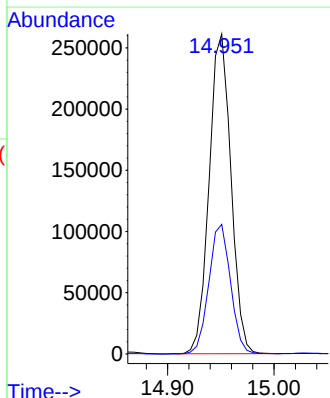
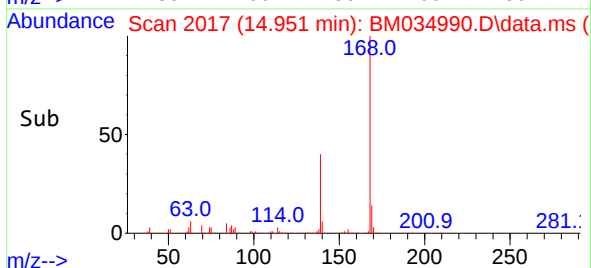
Reviewed By :Jagrut Upadhyay 05/12/2022
Supervised By :Yogesh Patel 05/17/2022

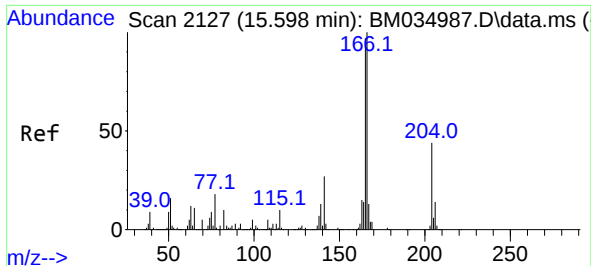


#56
Dibenzofuran
Concen: 10.031 ng/u1
RT: 14.951 min Scan# 1717
Delta R.T. 0.000 min
Lab File: BM034990.D
Acq: 11 May 2022 18:07



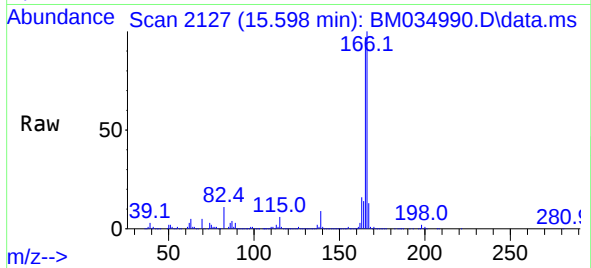
Tgt Ion:168 Resp: 370947
Ion Ratio Lower Upper
168 100
139 40.5 30.0 45.0





#61
Fluorene
Concen: 17.694 ng/u1
RT: 15.598 min Scan# 2127
Delta R.T. 0.000 min
Lab File: BM034990.D
Acq: 11 May 2022 18:07

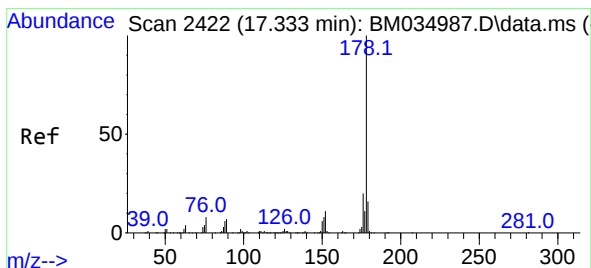
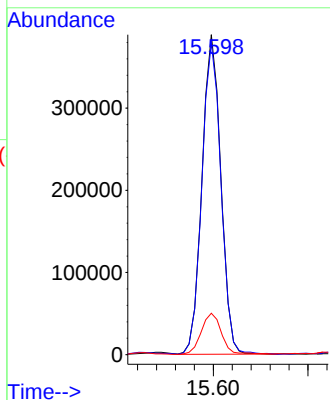
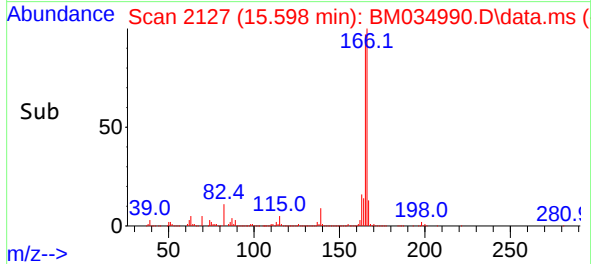
Instrument :
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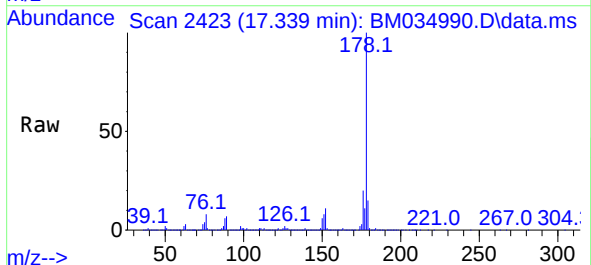
Tgt Ion:166 Resp: 535252
Ion Ratio Lower Upper
166 100
165 97.5 77.9 116.9
167 12.9 10.3 15.5

Manual Integrations
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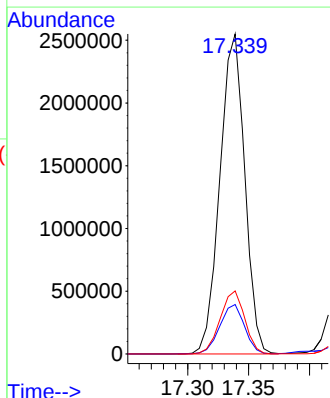
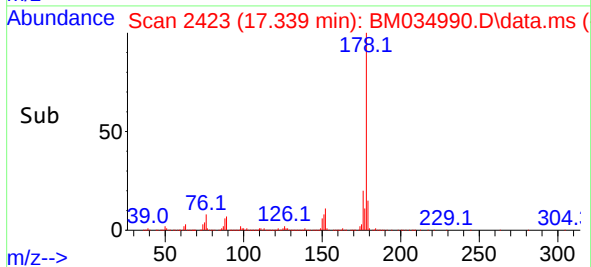
Reviewed By :Jagrut Upadhyay 05/12/2022
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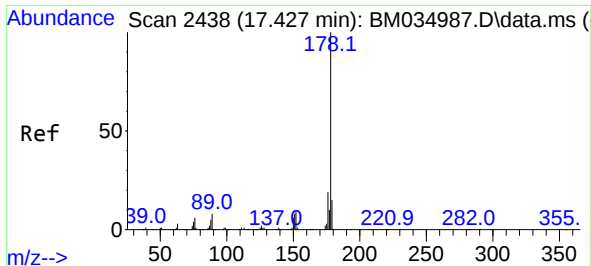


#72
Phenanthrene
Concen: 86.553 ng/u1
RT: 17.339 min Scan# 2423
Delta R.T. 0.000 min
Lab File: BM034990.D
Acq: 11 May 2022 18:07



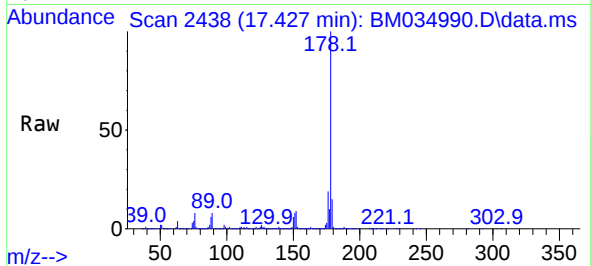
Tgt Ion:178 Resp: 3614624
Ion Ratio Lower Upper
178 100
179 15.4 12.2 18.4
176 19.7 15.0 22.6





#74
 Anthracene
 Concen: 19.850 ng/u1
 RT: 17.427 min Scan# 2438
 Delta R.T. 0.000 min
 Lab File: BM034990.D
 Acq: 11 May 2022 18:07

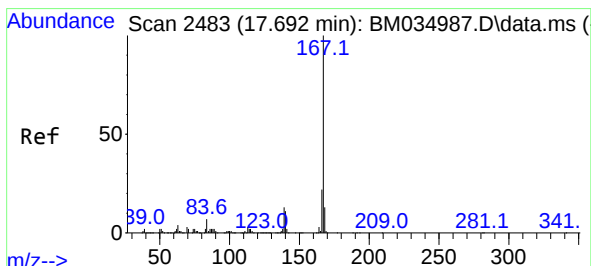
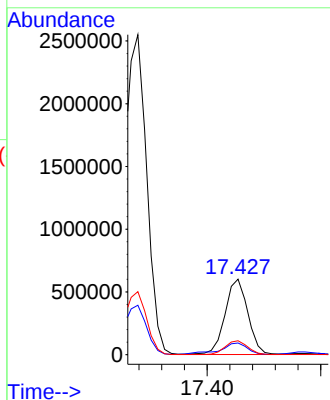
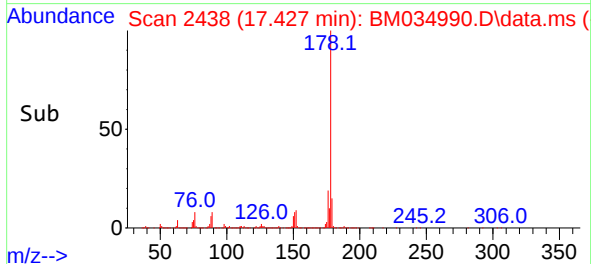
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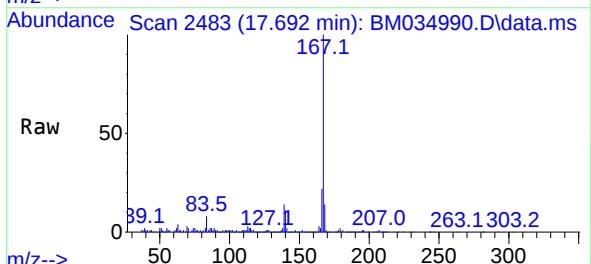
Tgt Ion:178 Resp: 838428
 Ion Ratio Lower Upper
 178 100
 179 15.4 12.2 18.4
 176 18.5 14.6 22.0

Manual Integrations
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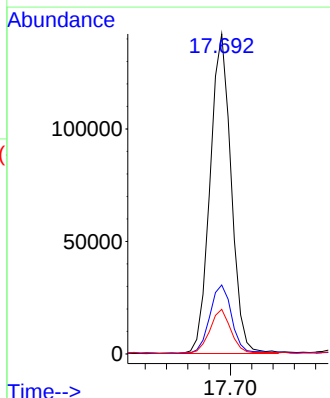
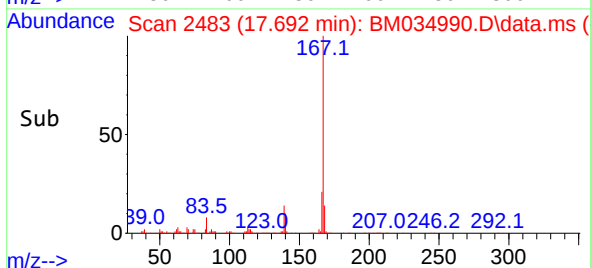
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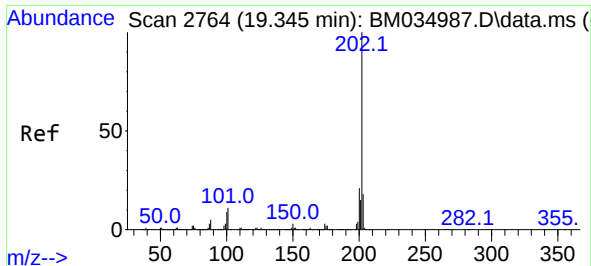


#77
 Carbazole
 Concen: 5.251 ng/u1
 RT: 17.692 min Scan# 2483
 Delta R.T. 0.000 min
 Lab File: BM034990.D
 Acq: 11 May 2022 18:07



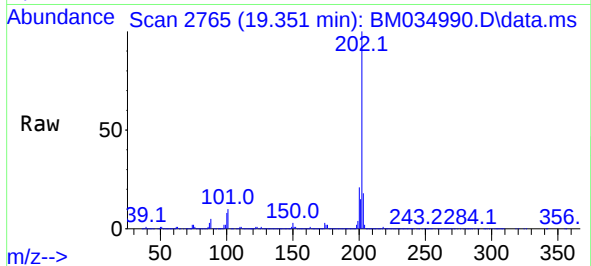
Tgt Ion:167 Resp: 194998
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.1 25.7
 139 14.0 10.5 15.7





#80
Fluoranthene
Concen: 88.759 ng/u1
RT: 19.351 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM034990.D
Acq: 11 May 2022 18:07

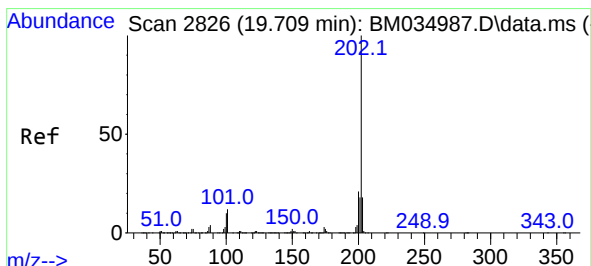
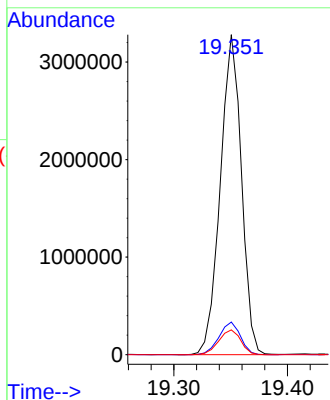
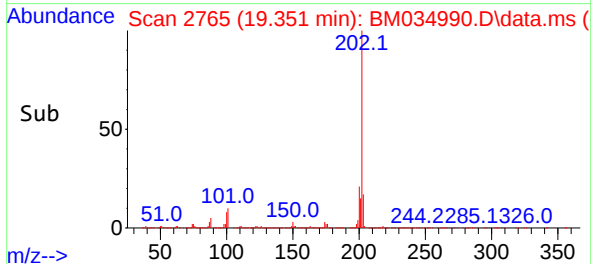
Instrument :
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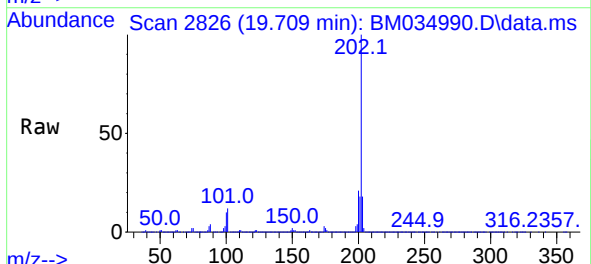
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Ion Ratio Lower Upper
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100 7.8 5.8 8.6

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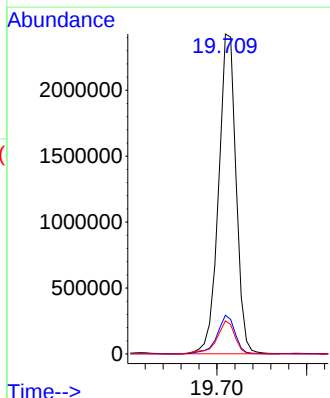
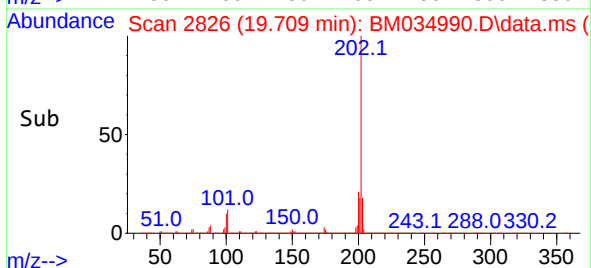
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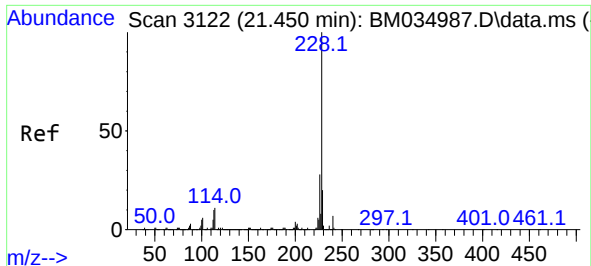


#82
Pyrene
Concen: 67.271 ng/u1
RT: 19.709 min Scan# 2826
Delta R.T. 0.000 min
Lab File: BM034990.D
Acq: 11 May 2022 18:07



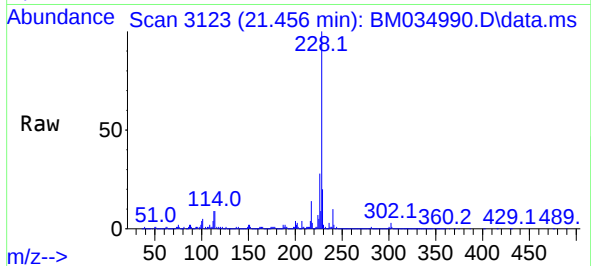
Tgt Ion:202 Resp: 3278589
Ion Ratio Lower Upper
202 100
101 12.1 9.4 14.0
100 10.4 7.8 11.6





#85
Benzo(a)anthracene
Concen: 44.189 ng/ul
RT: 21.456 min Scan# 3112
Delta R.T. 0.000 min
Lab File: BM034990.D
Acq: 11 May 2022 18:07

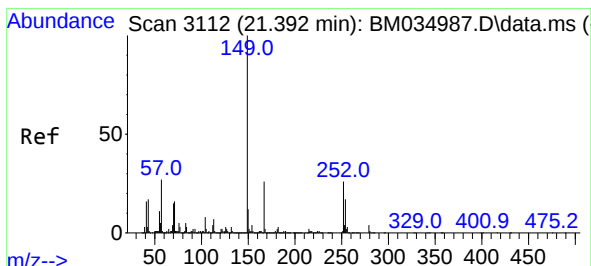
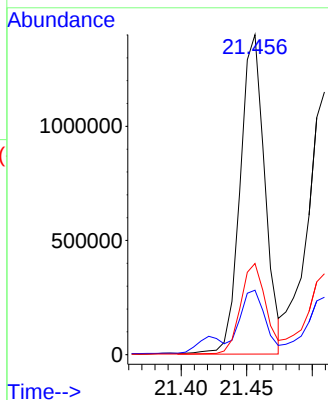
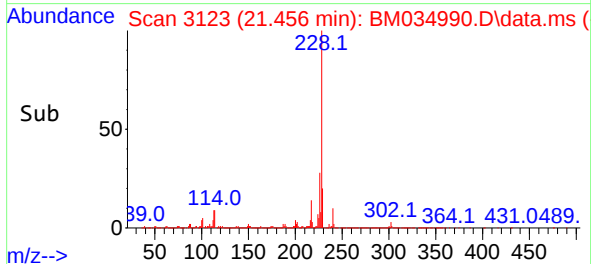
Instrument :
BNA_M
ClientSampleId :
EW4A2



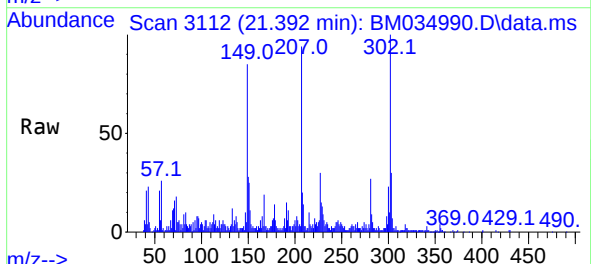
Tgt Ion:228 Resp: 1825352
Ion Ratio Lower Upper
228 100
229 20.2 15.4 23.0
226 28.5 21.7 32.5

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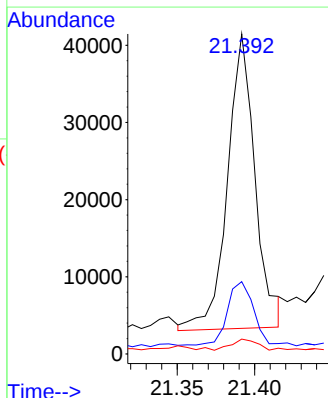
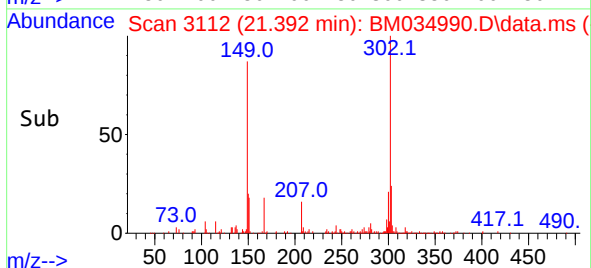
Reviewed By :Jagrut Upadhyay 05/12/2022
Supervised By :Yogesh Patel 05/17/2022

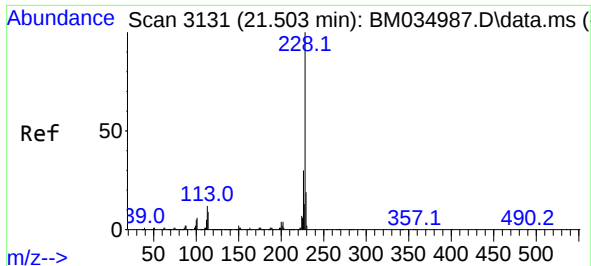


#86
Bis(2-ethylhexyl)phthalate
Concen: 1.638 ng/ul
RT: 21.392 min Scan# 3112
Delta R.T. 0.000 min
Lab File: BM034990.D
Acq: 11 May 2022 18:07



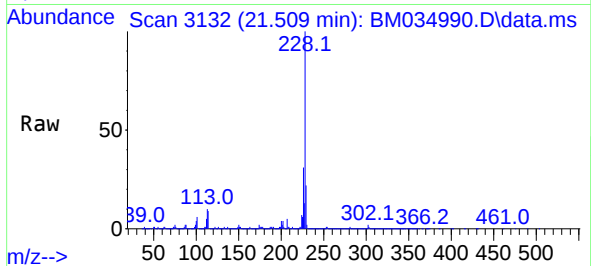
Tgt Ion:149 Resp: 47319
Ion Ratio Lower Upper
149 100
167 22.6 21.4 32.0
279 4.7 3.4 5.2





#87
Chrysene
Concen: 40.963 ng/u1
RT: 21.509 min Scan# 31
Delta R.T. 0.000 min
Lab File: BM034990.D
Acq: 11 May 2022 18:07

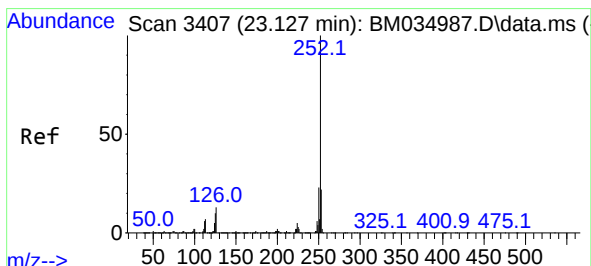
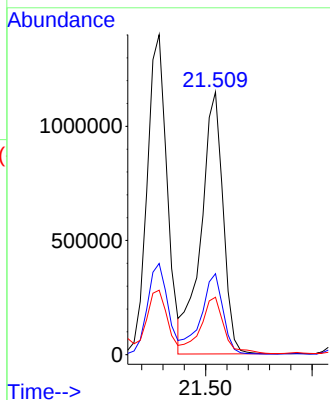
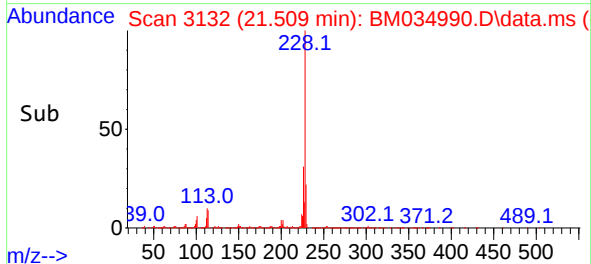
Instrument :
BNA_M
ClientSampleId :
EW4A2



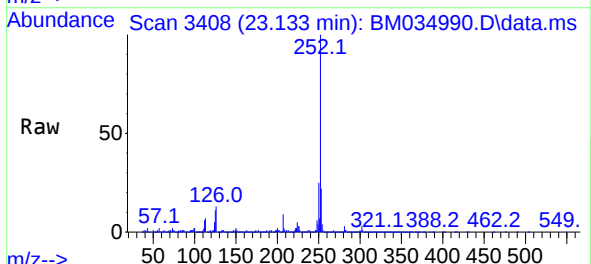
Tgt Ion:228 Resp: 164776
Ion Ratio Lower Upper
228 100
226 30.8 23.7 35.5
229 21.9 15.7 23.5

Manual Integrations
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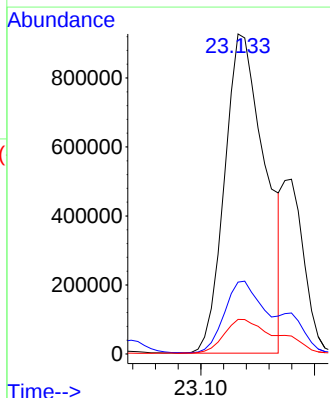
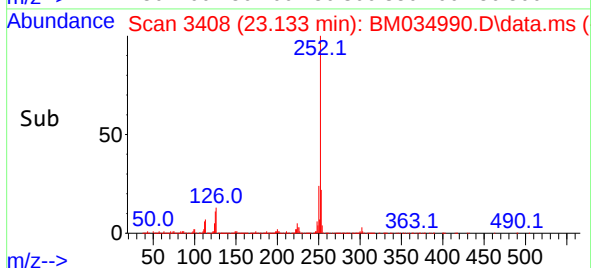
Reviewed By :Jagrut Upadhyay 05/12/2022
Supervised By :Yogesh Patel 05/17/2022

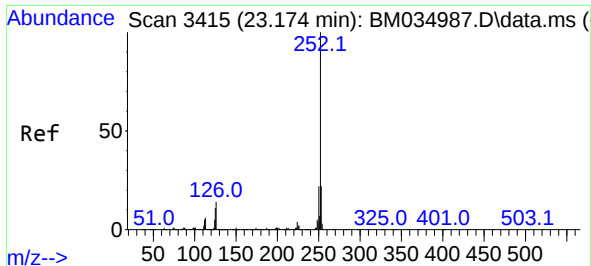


#90
Benzo(b)fluoranthene
Concen: 49.184 ng/u1
RT: 23.133 min Scan# 3408
Delta R.T. 0.000 min
Lab File: BM034990.D
Acq: 11 May 2022 18:07



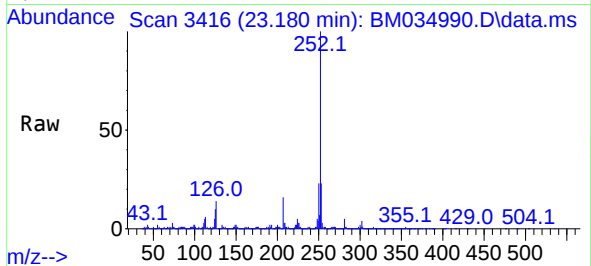
Tgt Ion:252 Resp: 2300843
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.0
125 10.8 7.6 11.4





#91
Benzo(k)fluoranthene
Concen: 14.698 ng/ul m
RT: 23.180 min Scan# 3415
Delta R.T. 0.000 min
Lab File: BM034990.D
Acq: 11 May 2022 18:07

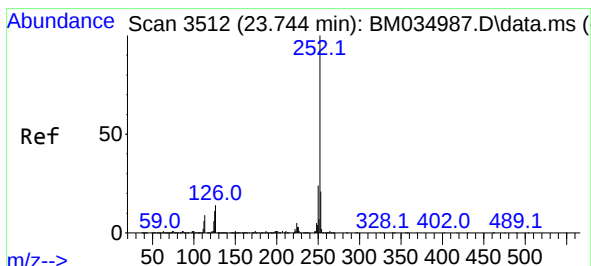
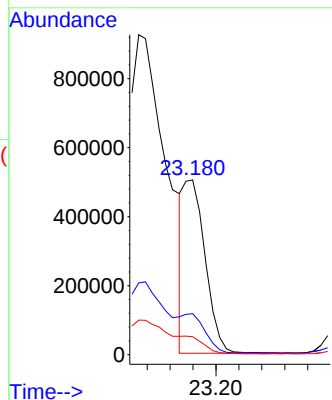
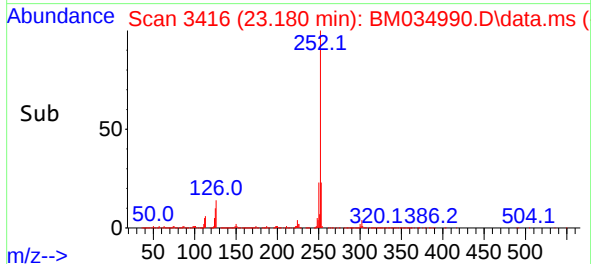
Instrument :
BNA_M
ClientSampleId :
EW4A2



Tgt Ion:252 Resp: 65472
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.2
125 10.2 7.8 11.6

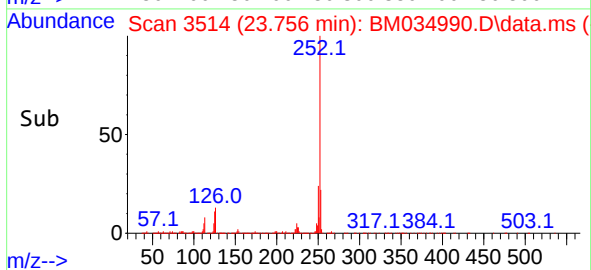
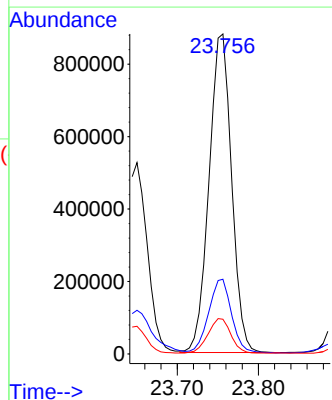
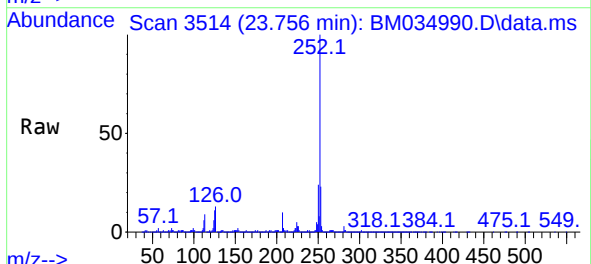
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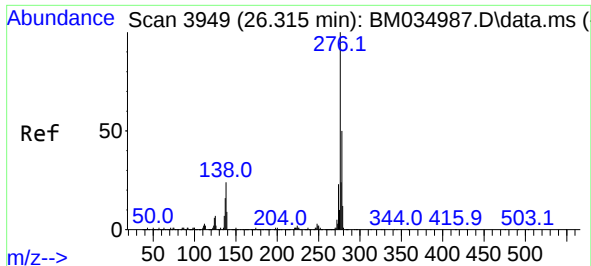
Reviewed By :Jagrut Upadhyay 05/12/2022
Supervised By :Yogesh Patel 05/17/2022



#93
Benzo(a)pyrene
Concen: 38.113 ng/ul
RT: 23.756 min Scan# 3514
Delta R.T. 0.006 min
Lab File: BM034990.D
Acq: 11 May 2022 18:07

Tgt Ion:252 Resp: 1699741
Ion Ratio Lower Upper
252 100
253 23.4 16.6 25.0
125 10.8 6.2 9.2#





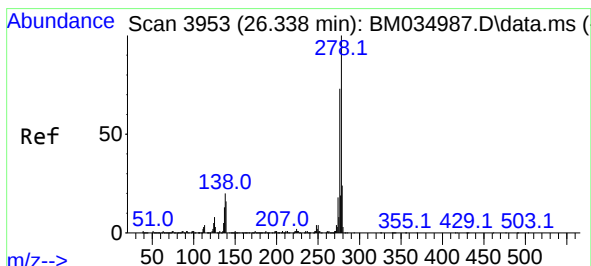
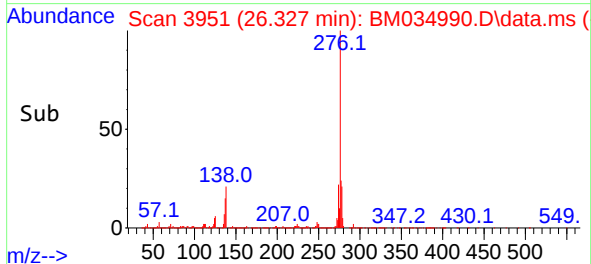
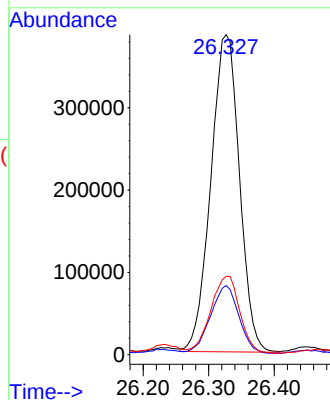
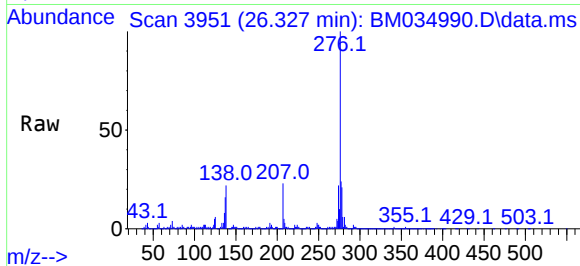
#94
Indeno(1,2,3-cd)pyrene
Concen: 22.903 ng/ul
RT: 26.327 min Scan# 3951
Delta R.T. 0.000 min
Lab File: BM034990.D
Acq: 11 May 2022 18:07

Instrument :
BNA_M
ClientSampleId :
EW4A2

Tgt Ion:276 Resp: 1168429
Ion Ratio Lower Upper
276 100
138 21.6 15.3 22.9
277 24.4 19.6 29.4

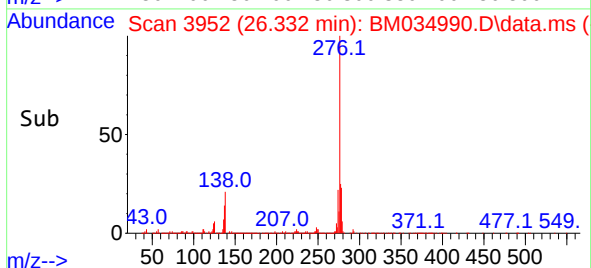
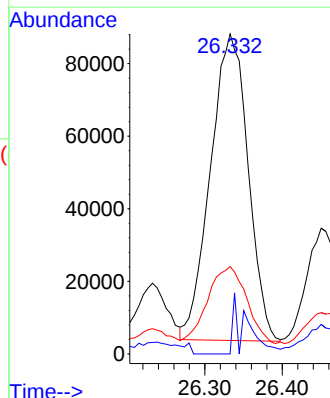
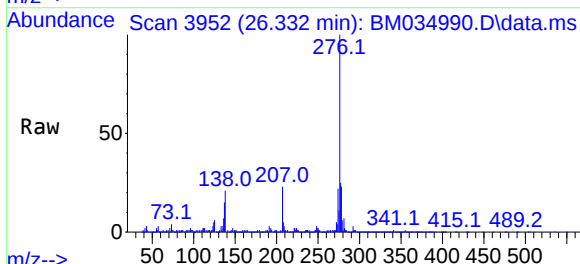
Manual Integrations
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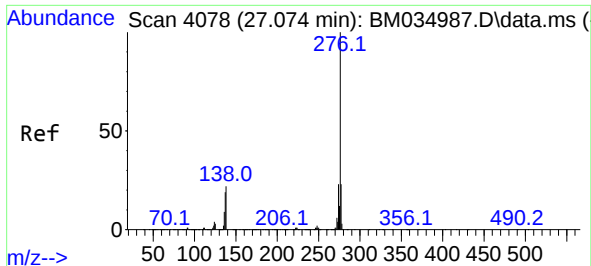
Reviewed By :Jagrut Upadhyay 05/12/2022
Supervised By :Yogesh Patel 05/17/2022



#95
Dibenzo(a,h)anthracene
Concen: 6.519 ng/ul
RT: 26.332 min Scan# 3952
Delta R.T. -0.006 min
Lab File: BM034990.D
Acq: 11 May 2022 18:07

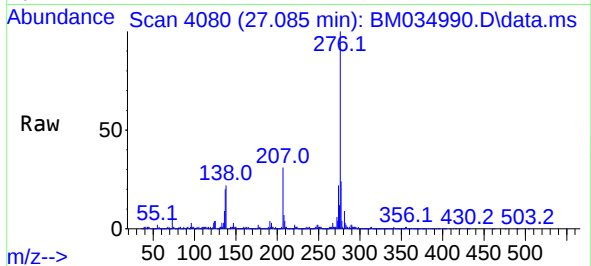
Tgt Ion:278 Resp: 285112
Ion Ratio Lower Upper
278 100
139 0.0 9.7 14.5#
279 27.3 18.8 28.2





#96
 Benzo(g,h,i)perylene
 Concen: 21.855 ng/ul
 RT: 27.085 min Scan# 40
 Delta R.T. 0.006 min
 Lab File: BM034990.D
 Acq: 11 May 2022 18:07

Instrument :
 BNA_M
 ClientSampleId :
 EW4A2



Tgt Ion:276 Resp: 926139
 Ion Ratio Lower Upper
 276 100
 138 22.0 13.0 19.6
 277 24.0 18.6 28.0

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/12/2022
 Supervised By :Yogesh Patel 05/17/2022

