

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052422\
 Data File : BM035232.D
 Acq On : 24 May 2022 22:57
 Operator : CG/JU
 Sample : N2981-10
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-11(2-2.5)

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/25/2022
 Supervised By : Jagrut Upadhyay 05/25/2022

Quant Time: May 25 05:45:02 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 20 04:53:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.898	152	145976	20.000	ng	0.00
21) Naphthalene-d8	10.698	136	554125	20.000	ng	-0.01
39) Acenaphthene-d10	14.533	164	330008	20.000	ng	-0.01
64) Phenanthrene-d10	17.280	188	681157	20.000	ng	0.00
76) Chrysene-d12	21.462	240	724251	20.000	ng	#-0.01
86) Perylene-d12	23.844	264	789276	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	881095	106.486	ng	0.00
7) Phenol-d6	7.069	99	1107484	103.682	ng	0.00
23) Nitrobenzene-d5	9.057	82	733861	71.518	ng	0.00
42) 2,4,6-Tribromophenol	16.021	330	408642	113.833	ng	-0.01
45) 2-Fluorobiphenyl	13.163	172	1642094	72.234	ng	0.00
79) Terphenyl-d14	19.903	244	2451749	65.545	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	10.745	128	109491	3.830	ng	99
37) 2-Methylnaphthalene	12.357	142	321036	16.208	ng	99
38) 1-Methylnaphthalene	12.580	142	150145	7.763	ng	97
46) 1,1'-Biphenyl	13.369	154	51668	2.078	ng	99
71) Phenanthrene	17.321	178	194617	5.127	ng	99
75) Fluoranthene	19.339	202	388860	9.328	ng	98
78) Pyrene	19.698	202	327611	6.840	ng	100
81) Benzo(a)anthracene	21.445	228	222637	4.607	ng	96
83) Chrysene	21.497	228	202309	4.383	ng	97
87) Indeno(1,2,3-cd)pyrene	26.309	276	146875	2.448	ng	# 94
88) Benzo(b)fluoranthene	23.121	252	280078	5.642	ng	97
89) Benzo(k)fluoranthene	23.168	252	108001m	2.149	ng	
90) Benzo(a)pyrene	23.738	252	198758	4.819	ng	97
92) Benzo(g,h,i)perylene	27.068	276	140160	2.898	ng	97

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

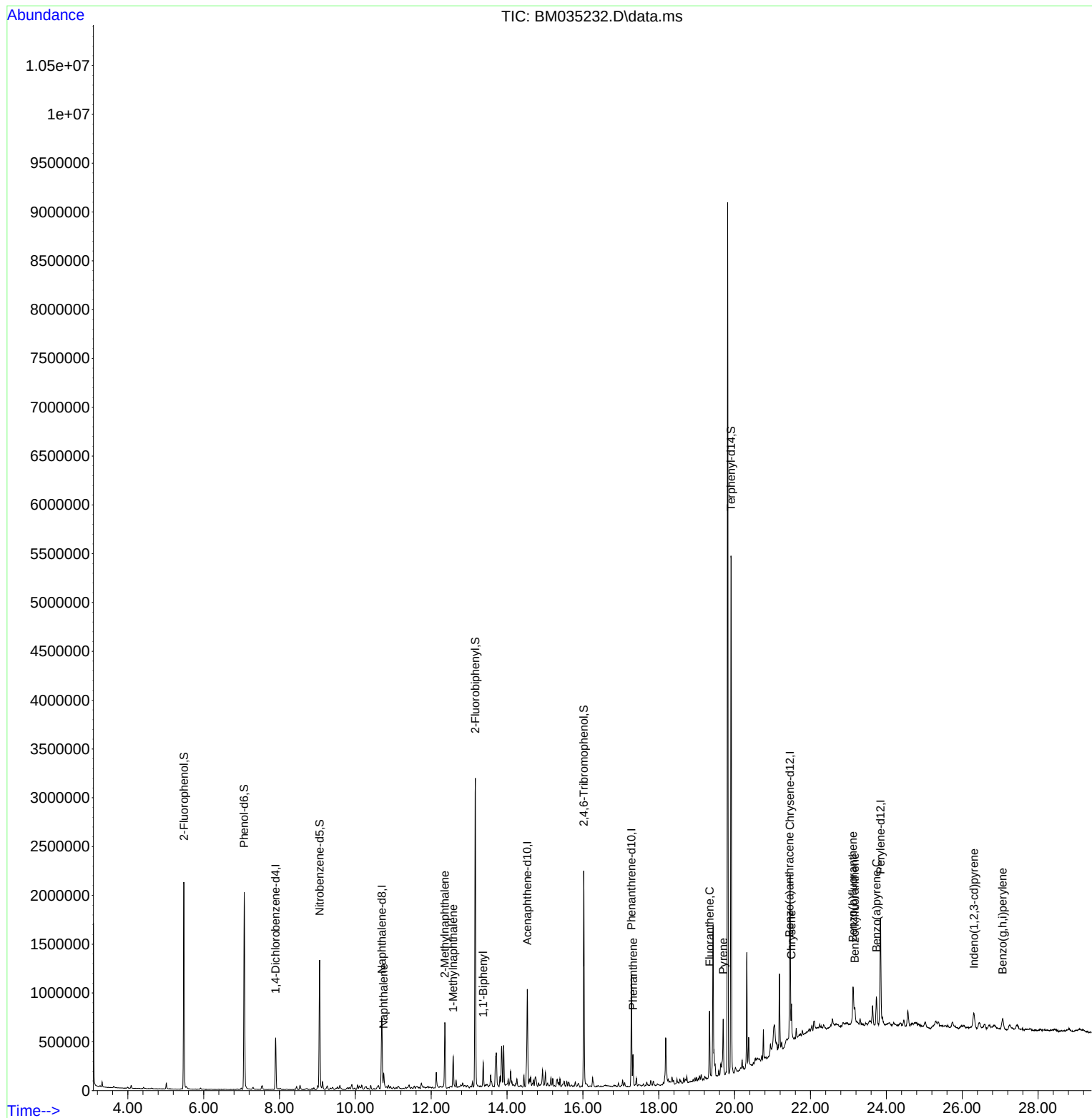
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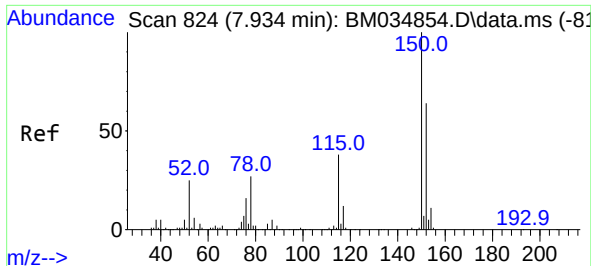
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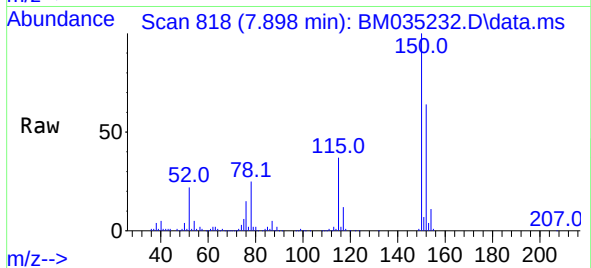
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Supervised By :Jagrut Upadhyay 05/25/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.898 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM035232.D
Acq: 24 May 2022 22:57

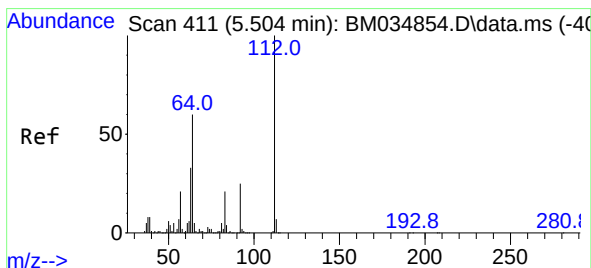
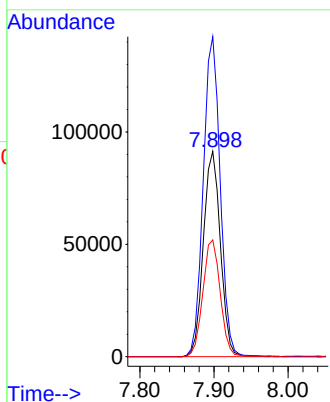
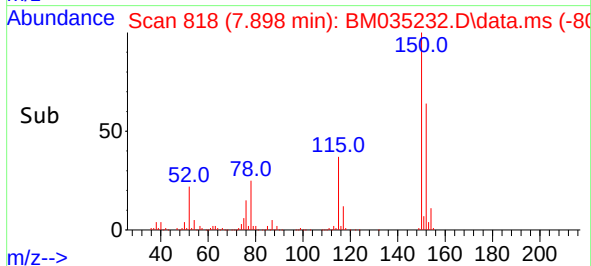
Instrument :
BNA_M
ClientSampleId :
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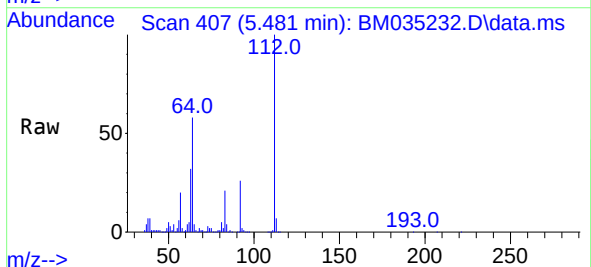
Tgt Ion:152 Resp: 145970
Ion Ratio Lower Upper
152 100
150 155.9 124.9 187.3
115 56.9 47.9 71.9

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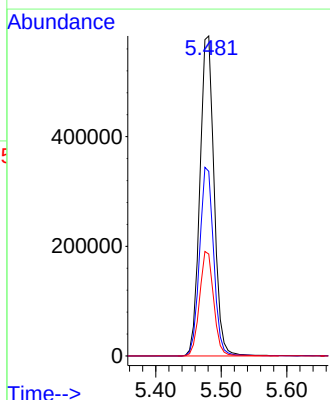
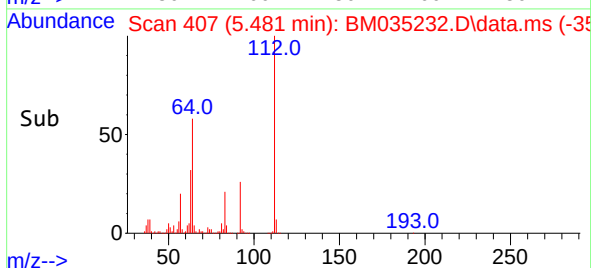
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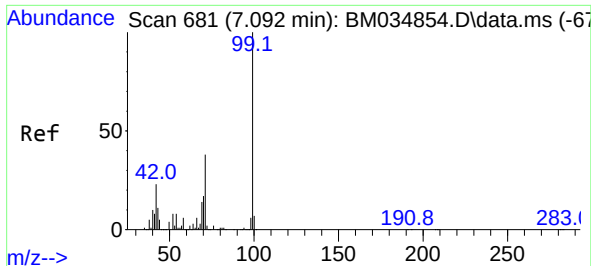


#5
2-Fluorophenol
Concen: 106.486 ng
RT: 5.481 min Scan# 407
Delta R.T. -0.000 min
Lab File: BM035232.D
Acq: 24 May 2022 22:57



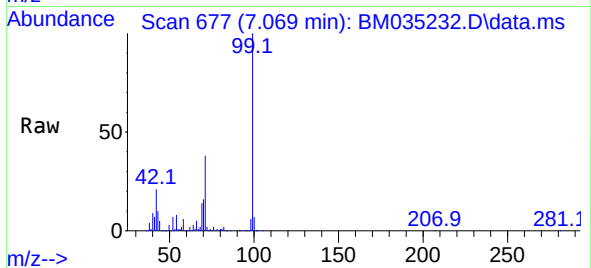
Tgt Ion:112 Resp: 881095
Ion Ratio Lower Upper
112 100
64 57.7 47.8 71.6
63 31.9 26.6 40.0





#7
Phenol-d6
Concen: 103.682 ng
RT: 7.069 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM035232.D
Acq: 24 May 2022 22:57

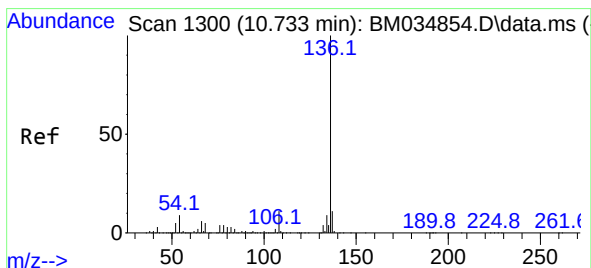
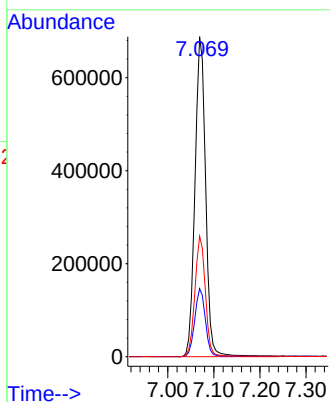
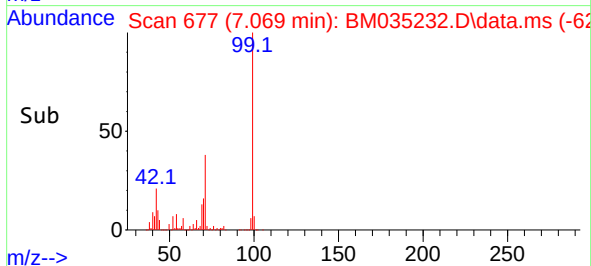
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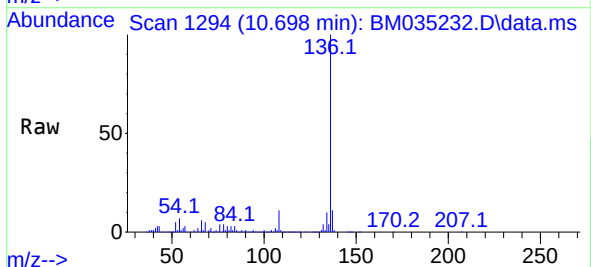
Tgt Ion: 99 Resp: 1107484
Ion Ratio Lower Upper
99 100
42 21.2 18.8 28.2
71 37.7 30.2 45.2

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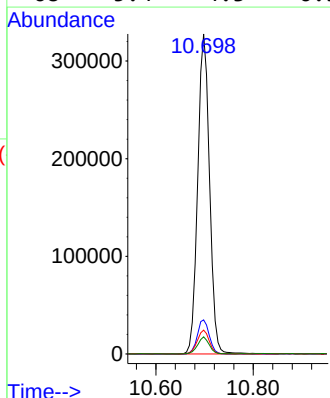
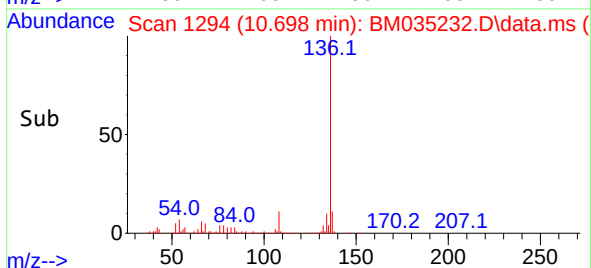
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

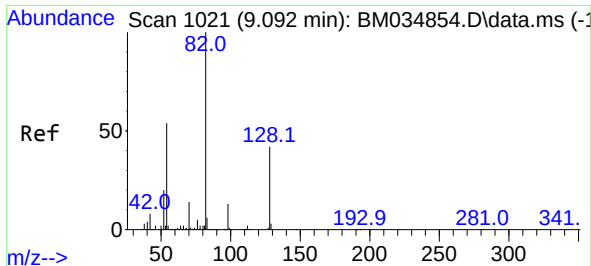


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.698 min Scan# 1294
Delta R.T. -0.012 min
Lab File: BM035232.D
Acq: 24 May 2022 22:57



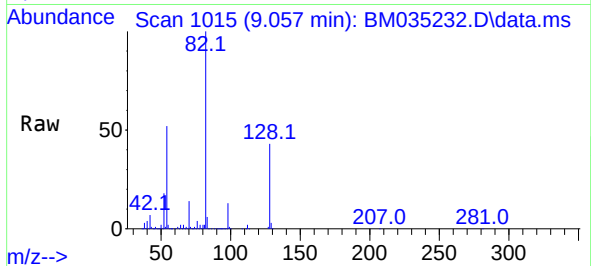
Tgt Ion:136 Resp: 554125
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 7.5 7.0 10.4
68 5.4 4.3 6.5





#23
Nitrobenzene-d5
Concen: 71.518 ng
RT: 9.057 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BM035232.D
Acq: 24 May 2022 22:57

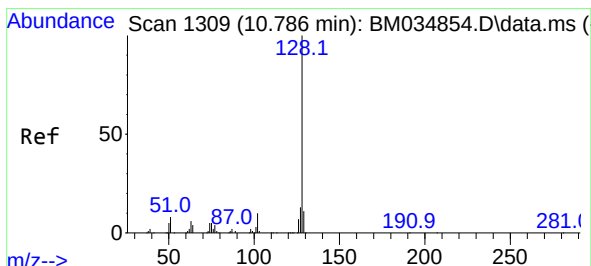
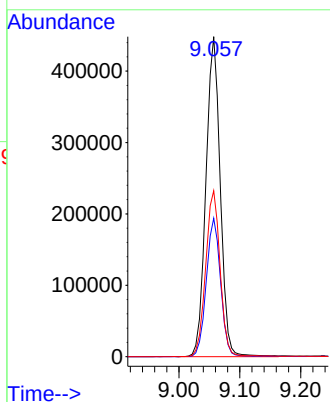
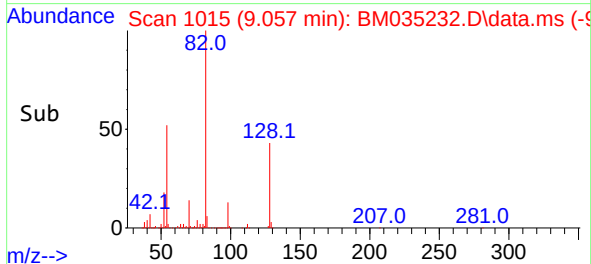
Instrument :
BNA_M
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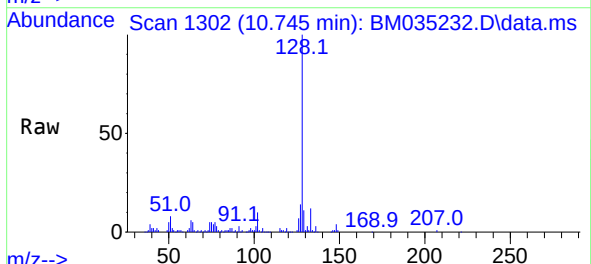
Tgt Ion: 82 Resp: 73386
Ion Ratio Lower Upper
82 100
128 43.3 33.7 50.5
54 51.8 43.2 64.8

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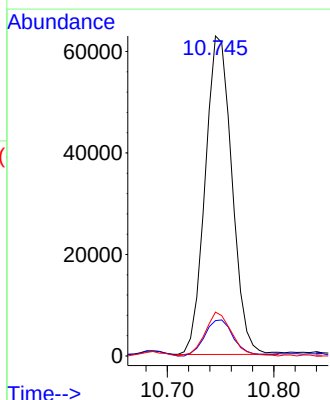
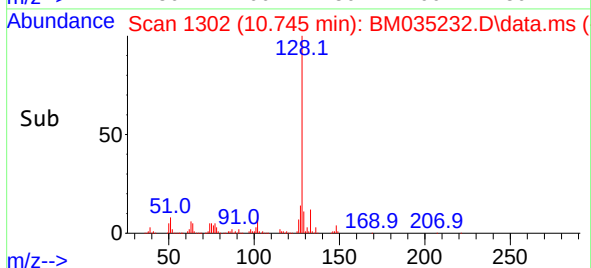
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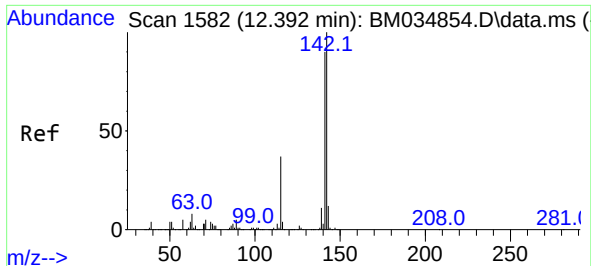


#31
Naphthalene
Concen: 3.830 ng
RT: 10.745 min Scan# 1302
Delta R.T. -0.012 min
Lab File: BM035232.D
Acq: 24 May 2022 22:57



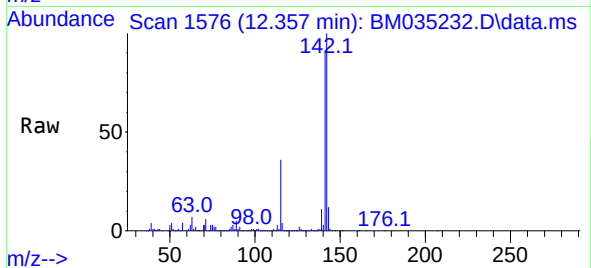
Tgt Ion:128 Resp: 109491
Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 13.7 10.6 16.0





#37
2-Methylnaphthalene
Concen: 16.208 ng
RT: 12.357 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM035232.D
Acq: 24 May 2022 22:57

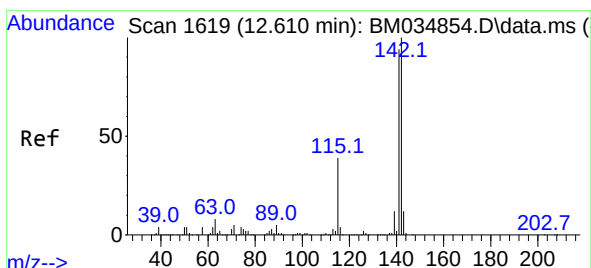
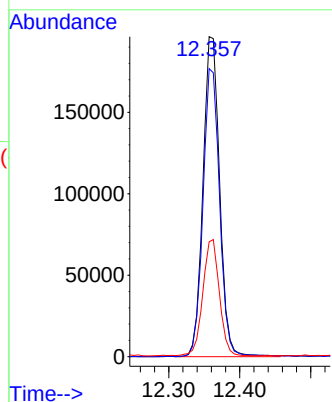
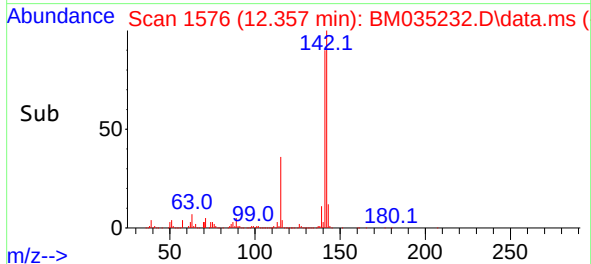
Instrument :
BNA_M
ClientSampleId :
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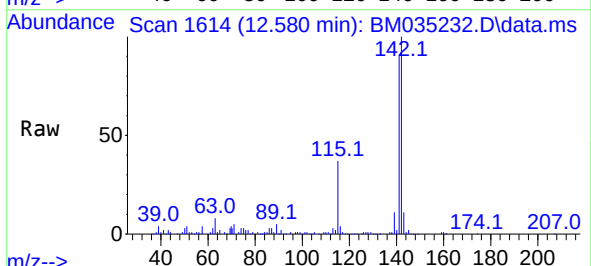
Tgt Ion:142 Resp: 321030
Ion Ratio Lower Upper
142 100
141 90.0 72.4 108.6
115 35.9 29.6 44.4

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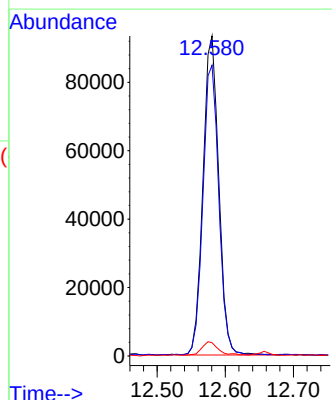
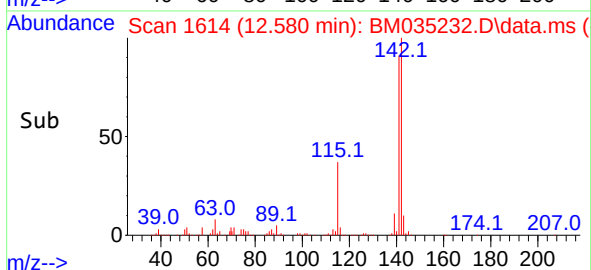
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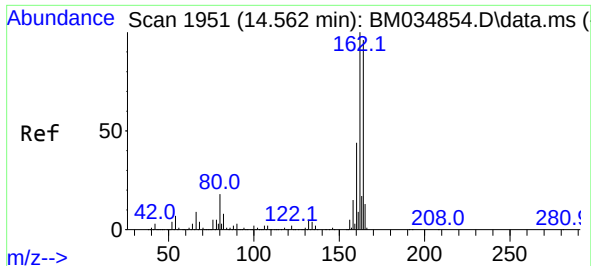


#38
1-Methylnaphthalene
Concen: 7.763 ng
RT: 12.580 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BM035232.D
Acq: 24 May 2022 22:57



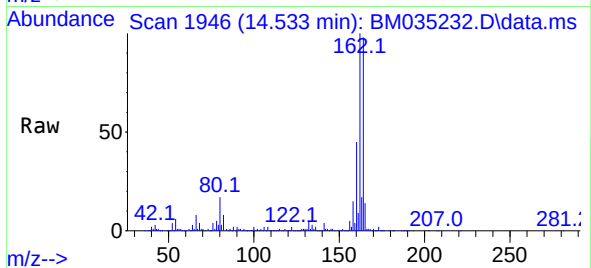
Tgt Ion:142 Resp: 150145
Ion Ratio Lower Upper
142 100
141 90.9 75.0 112.4
116 4.2 3.4 5.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.533 min Scan# 1946
Delta R.T. -0.012 min
Lab File: BM035232.D
Acq: 24 May 2022 22:57

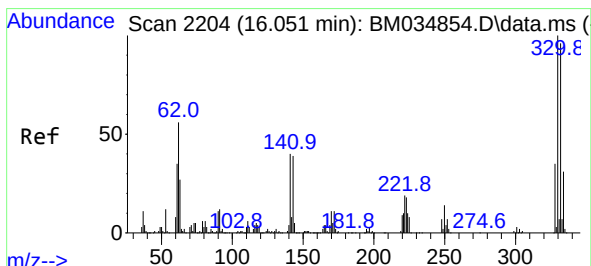
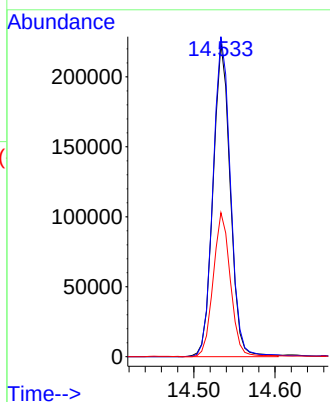
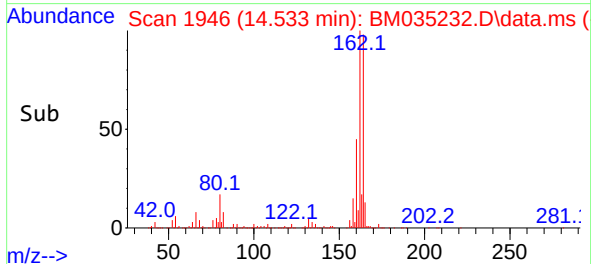
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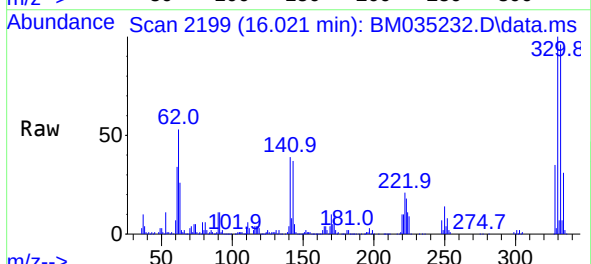
Tgt Ion:164 Resp: 330000
Ion Ratio Lower Upper
164 100
162 102.1 83.0 124.6
160 46.0 37.0 55.4

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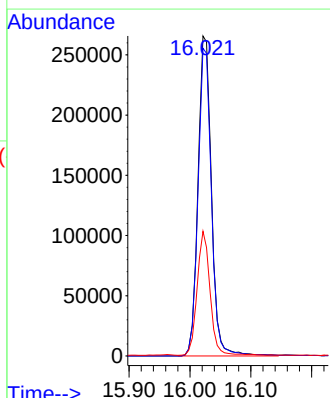
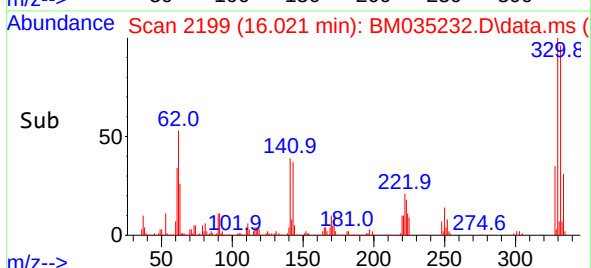
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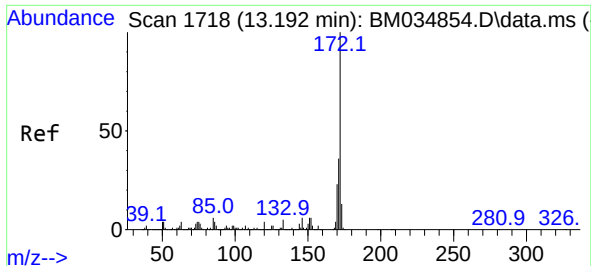


#42
2,4,6-Tribromophenol
Concen: 113.833 ng
RT: 16.021 min Scan# 2199
Delta R.T. -0.012 min
Lab File: BM035232.D
Acq: 24 May 2022 22:57



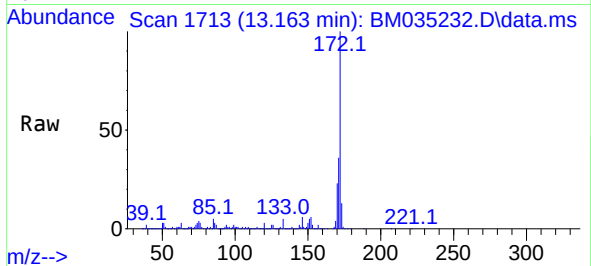
Tgt Ion:330 Resp: 408642
Ion Ratio Lower Upper
330 100
332 95.9 77.0 115.4
141 37.2 35.3 52.9





#45
2-Fluorobiphenyl
Concen: 72.234 ng
RT: 13.163 min Scan# 1718
Delta R.T. -0.006 min
Lab File: BM035232.D
Acq: 24 May 2022 22:57

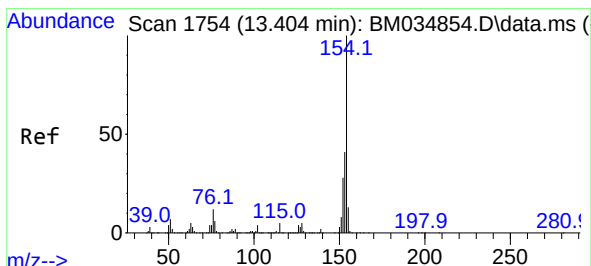
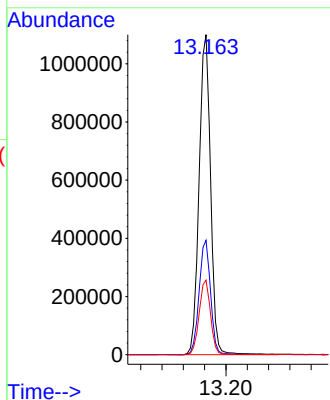
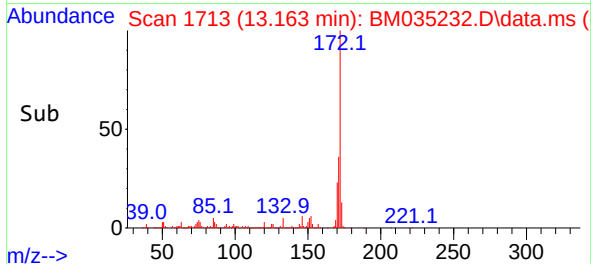
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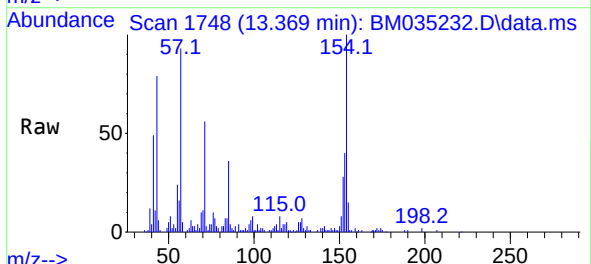
Tgt Ion:172 Resp: 1642094
Ion Ratio Lower Upper
172 100
171 35.7 28.5 42.7
170 23.3 18.7 28.1

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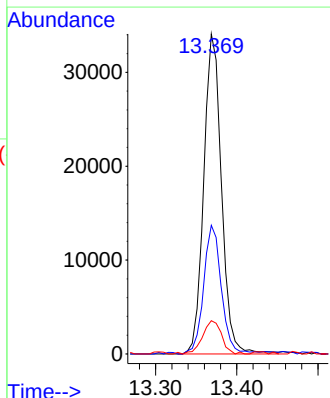
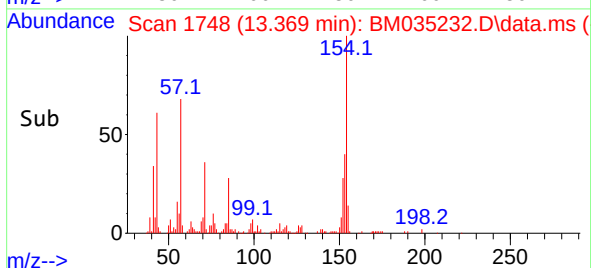
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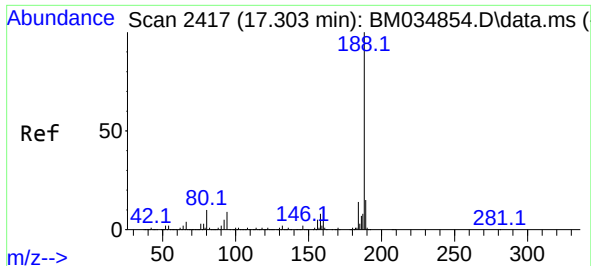


#46
1,1'-Biphenyl
Concen: 2.078 ng
RT: 13.369 min Scan# 1748
Delta R.T. -0.012 min
Lab File: BM035232.D
Acq: 24 May 2022 22:57



Tgt Ion:154 Resp: 51668
Ion Ratio Lower Upper
154 100
153 40.2 20.5 60.5
76 10.4 0.0 31.8





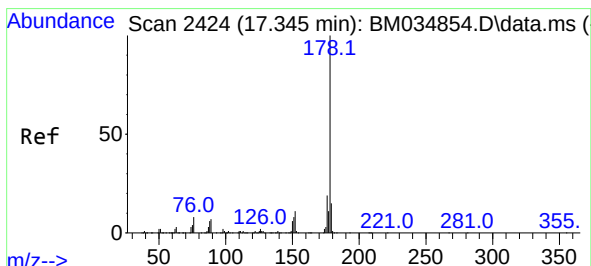
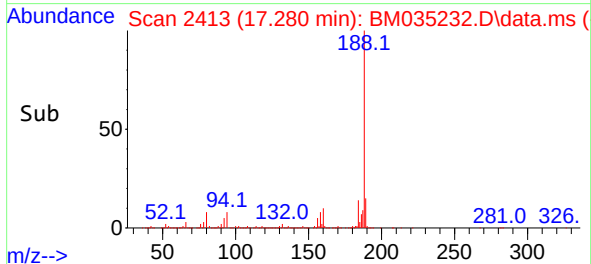
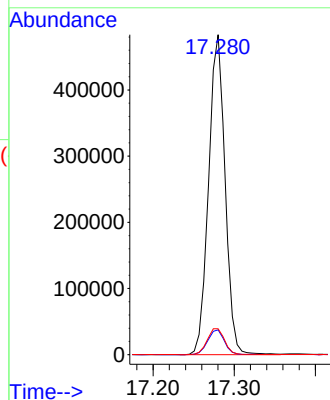
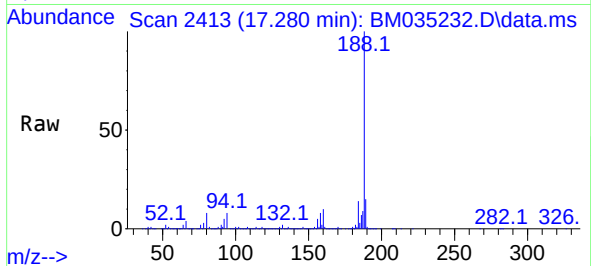
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.280 min Scan# 2417
Delta R.T. -0.006 min
Lab File: BM035232.D
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Tgt Ion:188 Resp: 68115
Ion Ratio Lower Upper
188 100
94 7.7 7.0 10.4
80 8.1 7.6 11.4

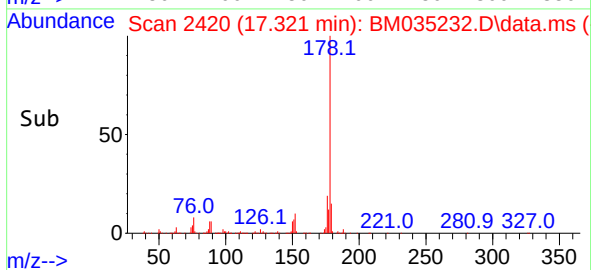
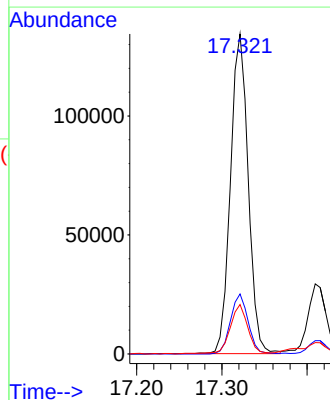
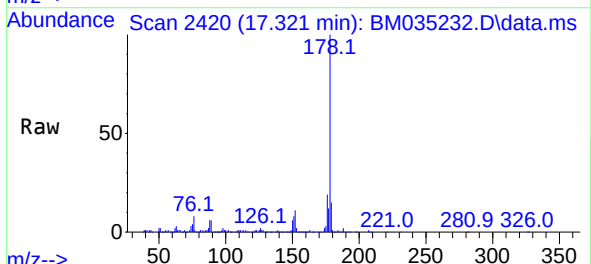
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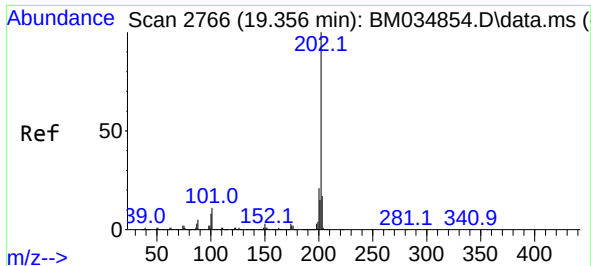
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#71
Phenanthrene
Concen: 5.127 ng
RT: 17.321 min Scan# 2420
Delta R.T. -0.006 min
Lab File: BM035232.D
Acq: 24 May 2022 22:57

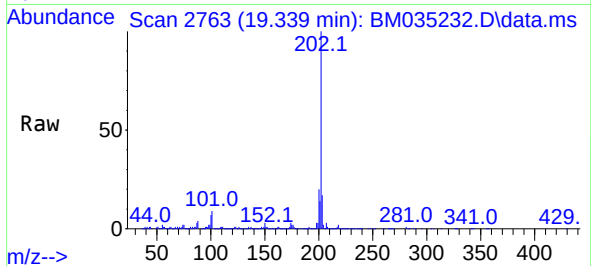
Tgt Ion:178 Resp: 194617
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.0
179 15.4 12.4 18.6





#75
Fluoranthene
Concen: 9.328 ng
RT: 19.339 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM035232.D
Acq: 24 May 2022 22:57

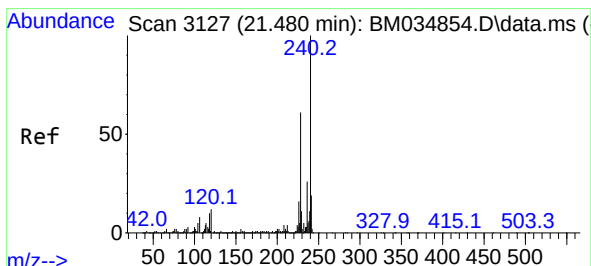
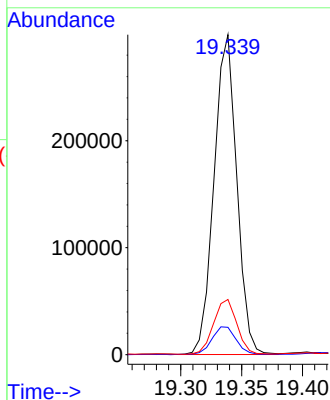
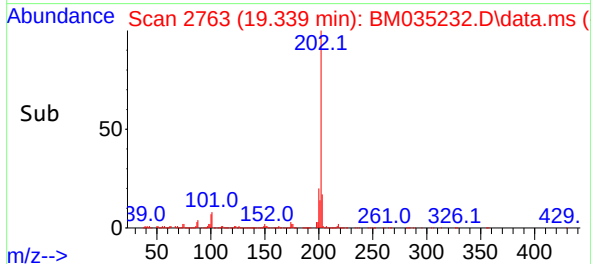
Instrument :
BNA_M
ClientSampleId :
SB-11(2-2.5)



Tgt Ion:202 Resp: 388860
Ion Ratio Lower Upper
202 100
101 8.5 0.0 30.6
203 17.3 0.0 37.4

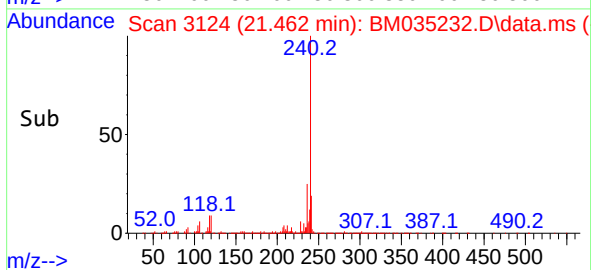
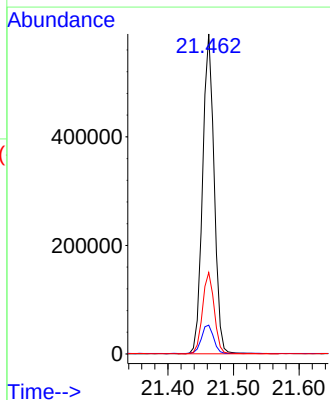
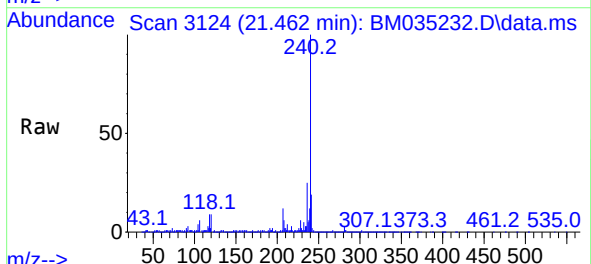
Manual Integrations
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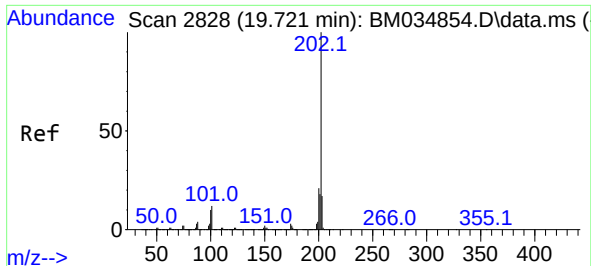
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.462 min Scan# 3124
Delta R.T. -0.012 min
Lab File: BM035232.D
Acq: 24 May 2022 22:57

Tgt Ion:240 Resp: 724251
Ion Ratio Lower Upper
240 100
120 9.0 9.4 14.0#
236 25.5 20.6 30.8





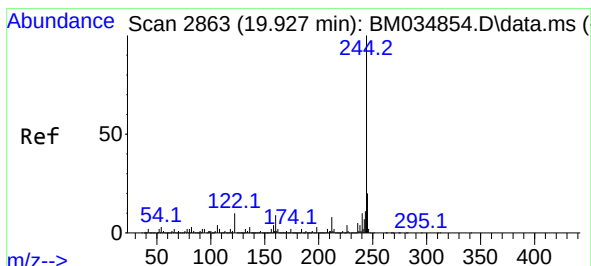
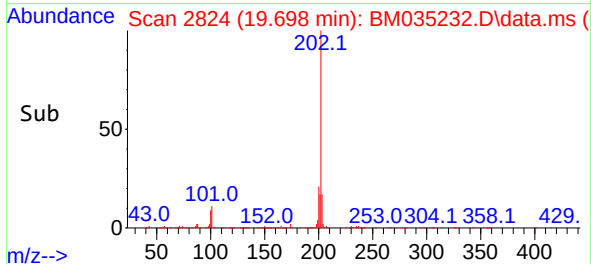
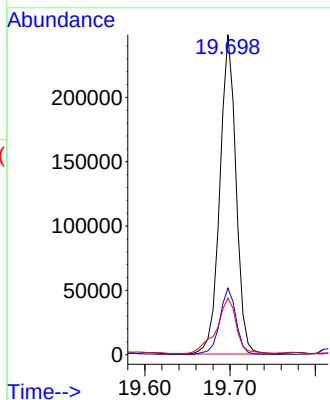
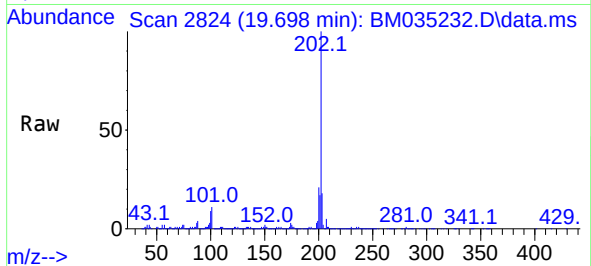
#78
Pyrene
Concen: 6.840 ng
RT: 19.698 min Scan# 2824
Delta R.T. -0.012 min
Lab File: BM035232.D
Acq: 24 May 2022 22:57

Instrument :
BNA_M
ClientSampleId :
SB-11(2-2.5)

Tgt Ion:202 Resp: 32761
Ion Ratio Lower Upper
202 100
200 20.8 16.7 25.1
203 17.7 13.9 20.9

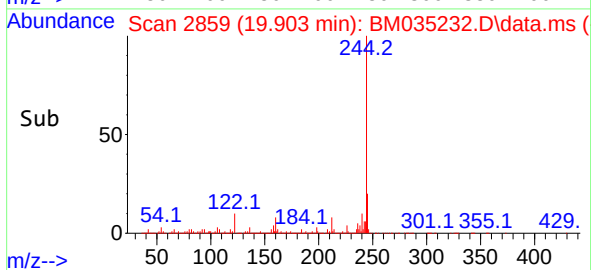
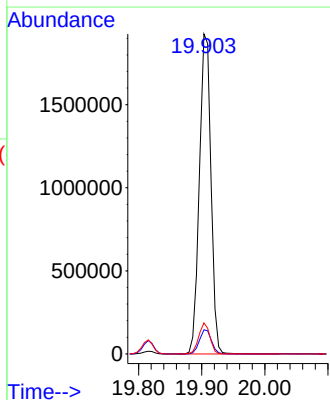
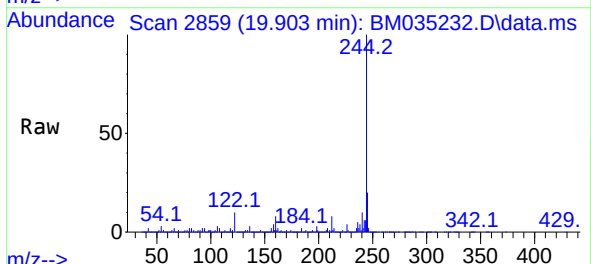
Manual Integrations
APPROVED

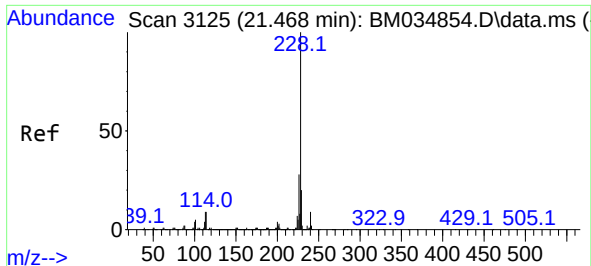
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#79
Terphenyl-d14
Concen: 65.545 ng
RT: 19.903 min Scan# 2859
Delta R.T. -0.012 min
Lab File: BM035232.D
Acq: 24 May 2022 22:57

Tgt Ion:244 Resp: 2451749
Ion Ratio Lower Upper
244 100
212 7.5 6.2 9.4
122 9.7 8.3 12.5





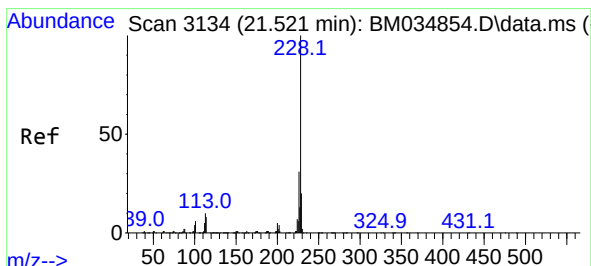
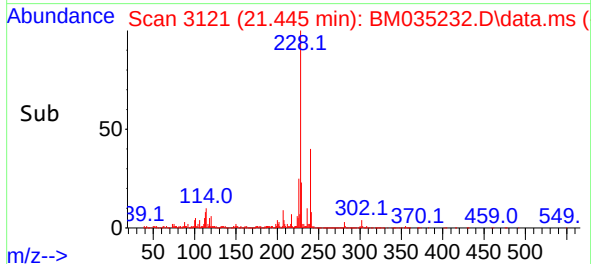
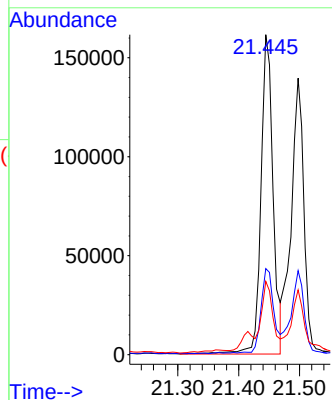
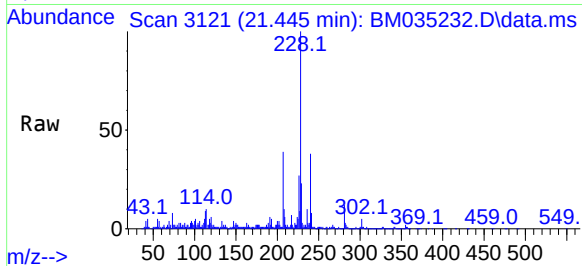
#81
Benzo(a)anthracene
Concen: 4.607 ng
RT: 21.445 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM035232.D
Acq: 24 May 2022 22:57

Instrument :
BNA_M
ClientSampleId :
SB-11(2-2.5)

Tgt Ion:228 Resp: 22263
Ion Ratio Lower Upper
228 100
226 26.9 22.3 33.5
229 22.9 15.8 23.6

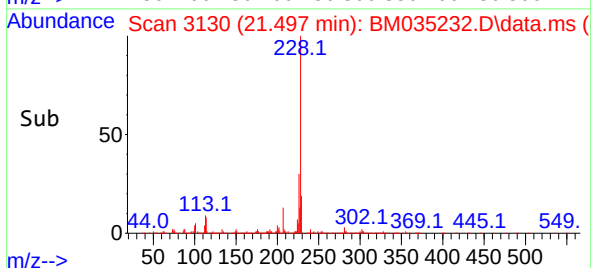
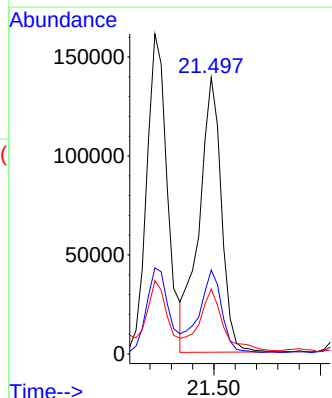
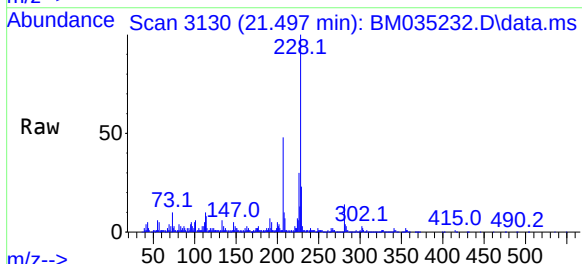
Manual Integrations
APPROVED

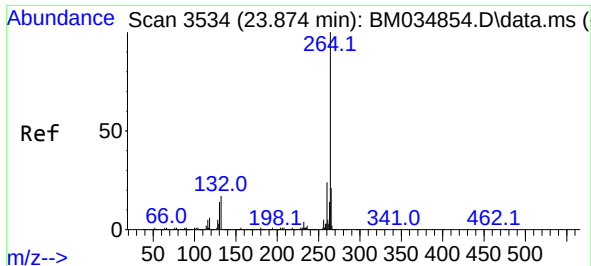
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#83
Chrysene
Concen: 4.383 ng
RT: 21.497 min Scan# 3130
Delta R.T. -0.012 min
Lab File: BM035232.D
Acq: 24 May 2022 22:57

Tgt Ion:228 Resp: 202309
Ion Ratio Lower Upper
228 100
226 30.4 24.4 36.6
229 23.4 15.8 23.8





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.844 min Scan# 31
 Delta R.T. -0.012 min
 Lab File: BM035232.D
 Acq: 24 May 2022 22:57

Instrument :

BNA_M

ClientSampleId :

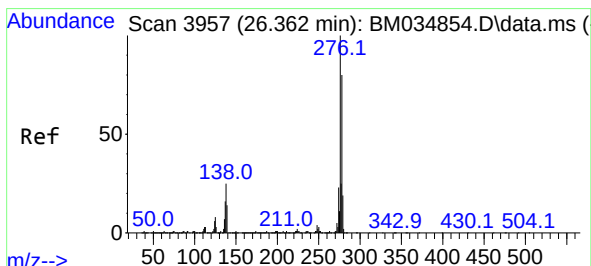
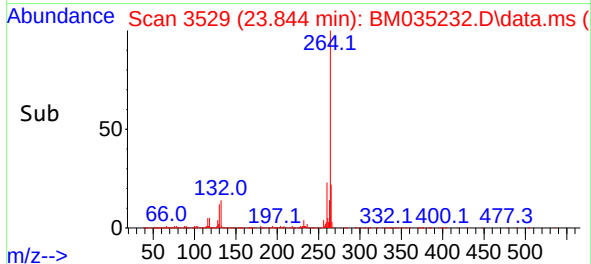
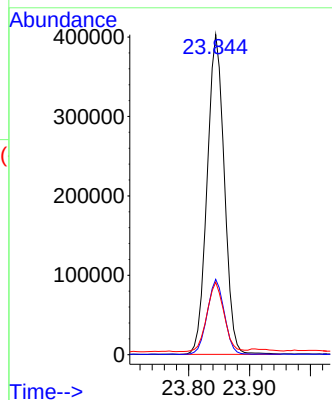
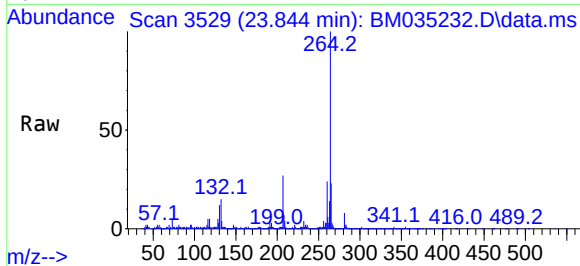
SB-11(2-2.5)

Tgt Ion:264 Resp: 789270
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.9 28.3
 265 22.6 17.5 26.3

Manual Integrations

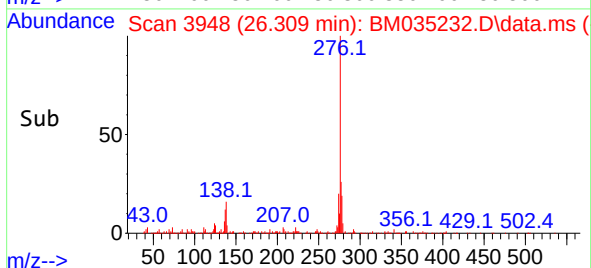
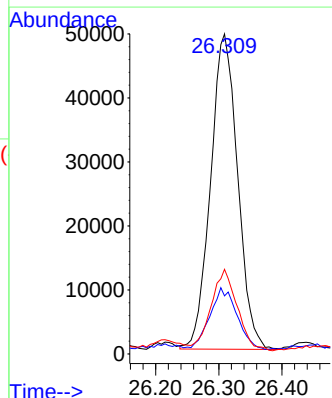
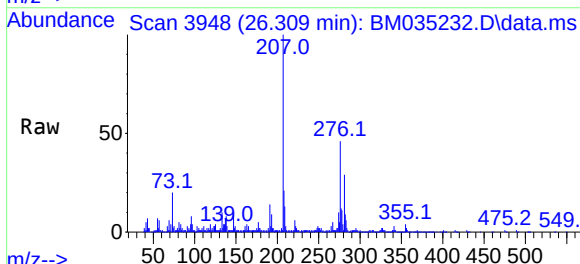
APPROVED

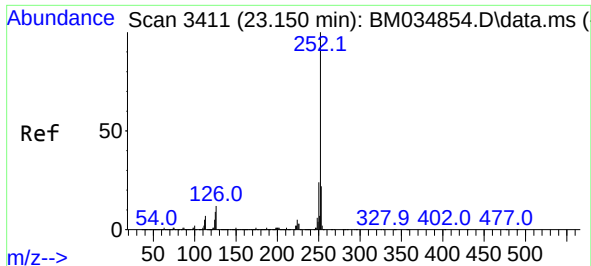
Reviewed By :Christian Giraldo 05/25/2022
 Supervised By :Jagrut Upadhyay 05/25/2022



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.448 ng
 RT: 26.309 min Scan# 3948
 Delta R.T. -0.024 min
 Lab File: BM035232.D
 Acq: 24 May 2022 22:57

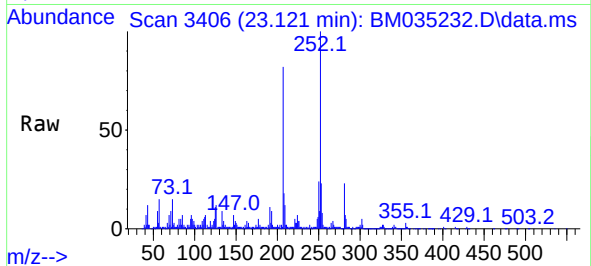
Tgt Ion:276 Resp: 146875
 Ion Ratio Lower Upper
 276 100
 138 19.7 20.2 30.4#
 277 24.9 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 5.642 ng
RT: 23.121 min Scan# 3411
Delta R.T. -0.012 min
Lab File: BM035232.D
Acq: 24 May 2022 22:57

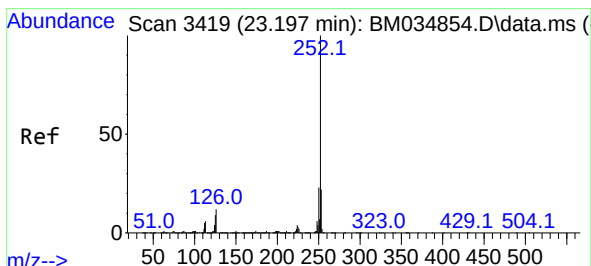
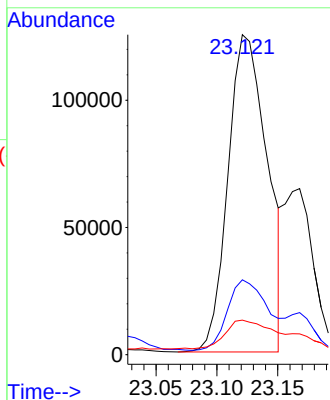
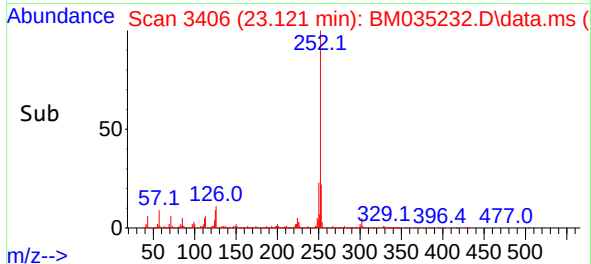
Instrument :
BNA_M
ClientSampleId :
SB-11(2-2.5)



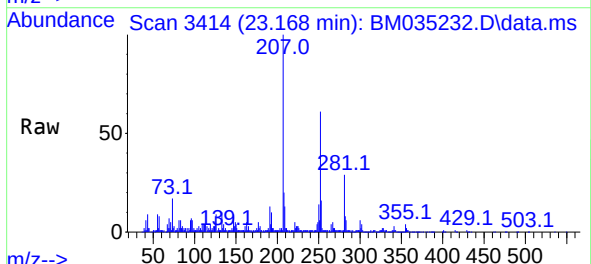
Tgt Ion:252 Resp: 280078
Ion Ratio Lower Upper
252 100
253 23.4 17.6 26.4
125 10.8 7.6 11.4

Manual Integrations
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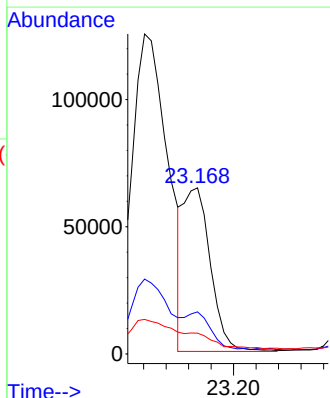
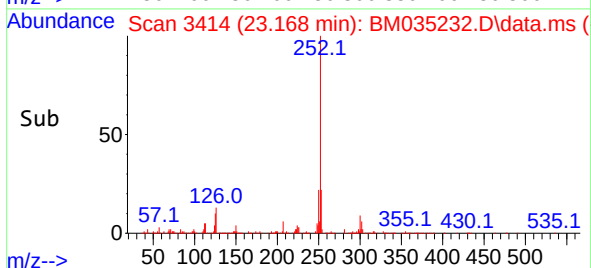
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

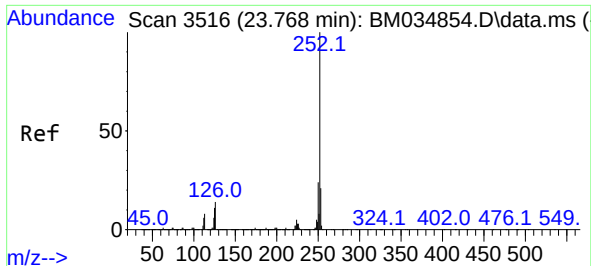


#89
Benzo(k)fluoranthene
Concen: 2.149 ng m
RT: 23.168 min Scan# 3414
Delta R.T. -0.012 min
Lab File: BM035232.D
Acq: 24 May 2022 22:57



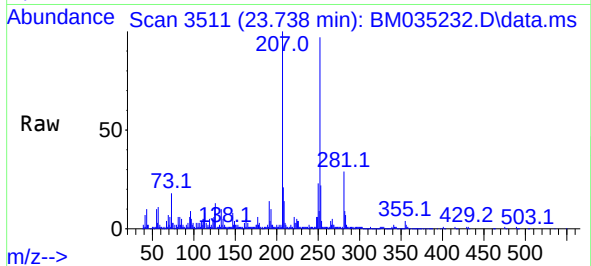
Tgt Ion:252 Resp: 108001
Ion Ratio Lower Upper
252 100
253 25.3 17.5 26.3
125 12.6 7.6 11.4#





#90
Benzo(a)pyrene
Concen: 4.819 ng
RT: 23.738 min Scan# 30
Delta R.T. -0.012 min
Lab File: BM035232.D
Acq: 24 May 2022 22:57

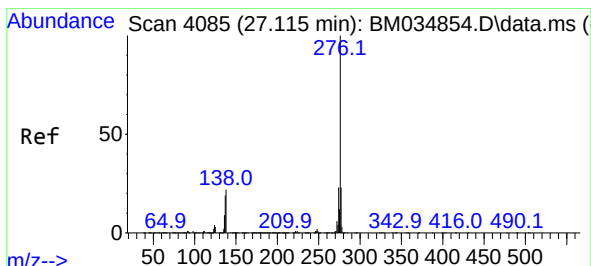
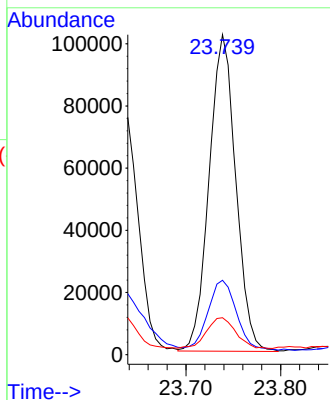
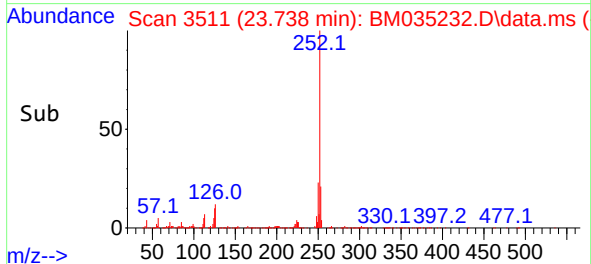
Instrument :
BNA_M
ClientSampleId :
SB-11(2-2.5)



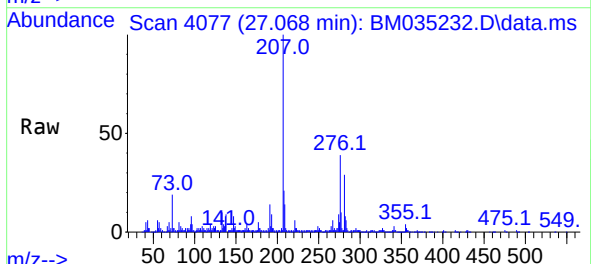
Tgt Ion:252 Resp: 198758
Ion Ratio Lower Upper
252 100
253 23.3 17.2 25.8
125 11.6 8.7 13.1

Manual Integrations
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Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#92
Benzo(g,h,i)perylene
Concen: 2.898 ng
RT: 27.068 min Scan# 4077
Delta R.T. -0.024 min
Lab File: BM035232.D
Acq: 24 May 2022 22:57



Tgt Ion:276 Resp: 140160
Ion Ratio Lower Upper
276 100
277 26.2 18.7 28.1
138 22.4 17.6 26.4

