

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051922\
 Data File : BM035168.D
 Acq On : 20 May 2022 00:35
 Operator : CG/JU
 Sample : N2938-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TR-05-051822

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/20/2022
 Supervised By : Jagrut Upadhyay 05/20/2022

Quant Time: May 20 04:57:27 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	7.904	152	186615	20.000	ng	0.00
21) Naphthalene-d8	10.704	136	687494	20.000	ng	0.00
39) Acenaphthene-d10	14.539	164	385437	20.000	ng	0.00
64) Phenanthrene-d10	17.286	188	758387	20.000	ng	0.00
76) Chrysene-d12	21.468	240	769509	20.000	ng	0.00
86) Perylene-d12	23.862	264	830951	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	1139903	107.764	ng	0.00
7) Phenol-d6	7.075	99	1389471	101.753	ng	0.00
23) Nitrobenzene-d5	9.063	82	922761	72.482	ng	0.00
42) 2,4,6-Tribromophenol	16.027	330	444766	106.079	ng	0.00
45) 2-Fluorobiphenyl	13.169	172	1918608	72.261	ng	0.00
79) Terphenyl-d14	19.909	244	2802139	70.506	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.263	152	266579	7.651	ng	99
72) Anthracene	17.416	178	209617	5.136	ng	99
75) Fluoranthene	19.345	202	241630	5.206	ng	98
78) Pyrene	19.704	202	320294	6.294	ng	97
81) Benzo(a)anthracene	21.456	228	360411	7.019	ng	# 86
83) Chrysene	21.509	228	335421	6.839	ng	# 93
87) Indeno(1,2,3-cd)pyrene	26.344	276	409762	6.486	ng	94
88) Benzo(b)fluoranthene	23.139	252	666175m	12.746	ng	
89) Benzo(k)fluoranthene	23.180	252	214762m	4.059	ng	
90) Benzo(a)pyrene	23.756	252	595285	13.710	ng	# 93
91) Dibenzo(a,h)anthracene	26.362	278	124920	2.357	ng	# 62
92) Benzo(g,h,i)perylene	27.109	276	453680	8.910	ng	97

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

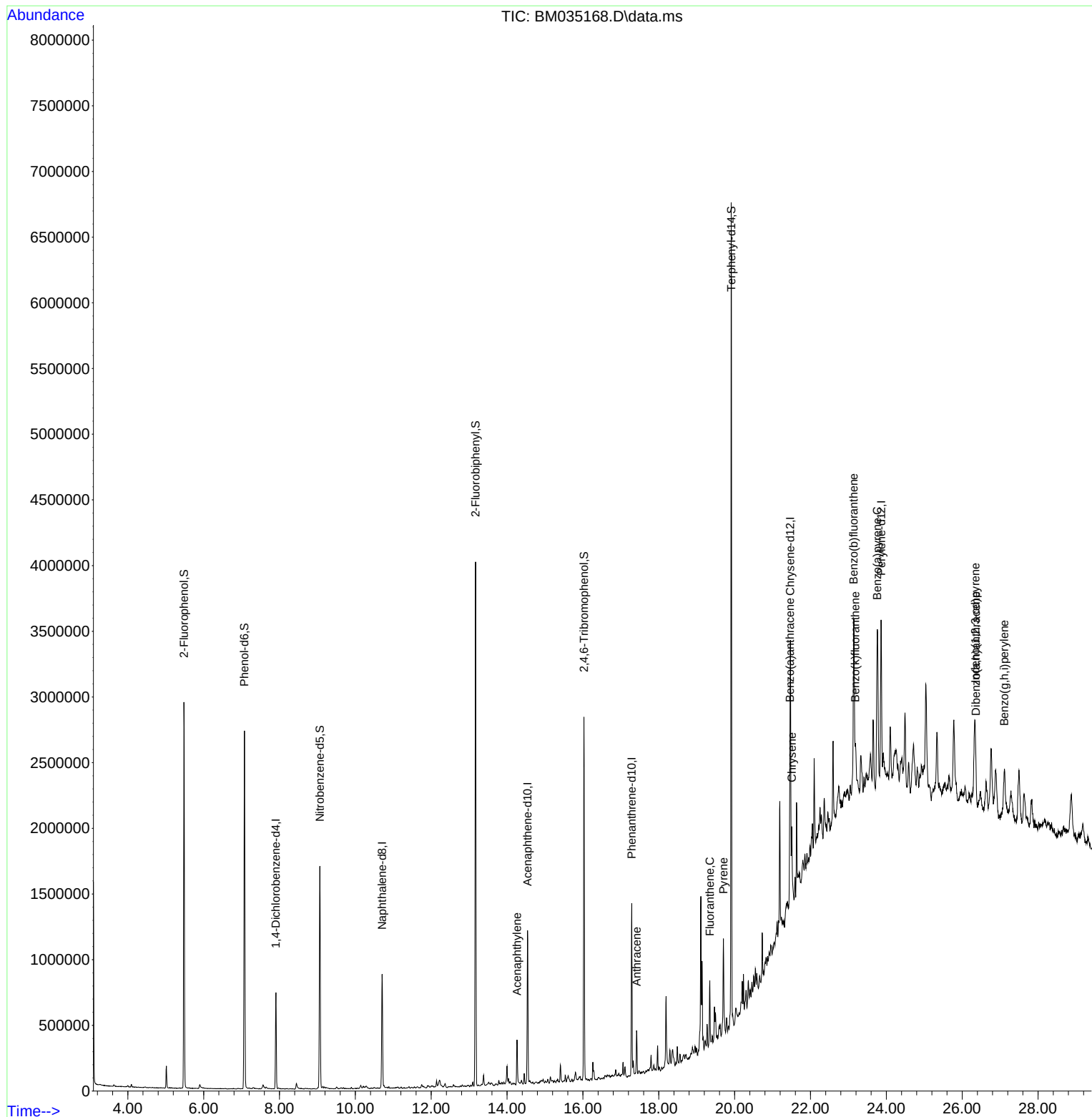
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Data File : BM035168.D
Acq On : 20 May 2022 00:35
Operator : CG/JU
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ALS Vial : 19 Sample Multiplier: 1

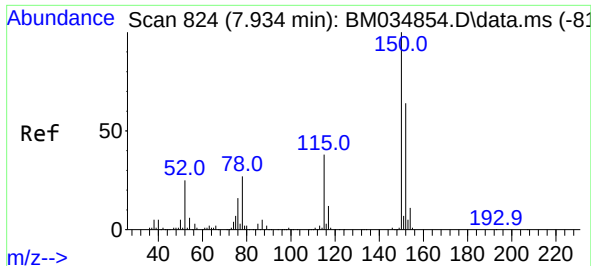
Instrument :
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Quant Time: May 20 04:57:27 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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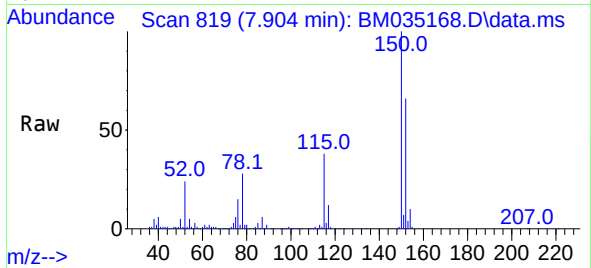
Reviewed By :Christian Giraldo 05/20/2022
Supervised By :Jagrut Upadhyay 05/20/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.904 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM035168.D
Acq: 20 May 2022 00:35

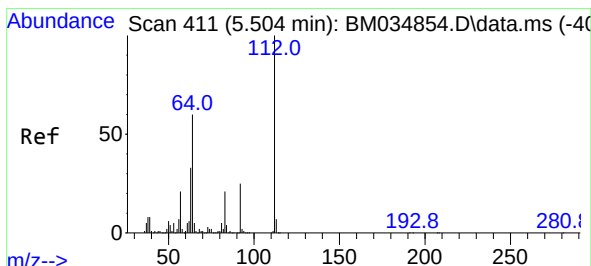
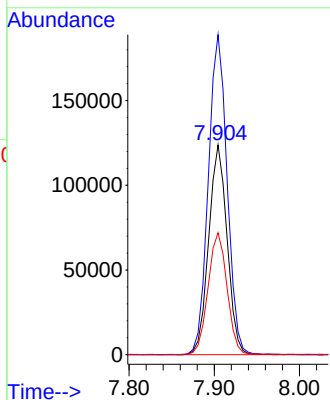
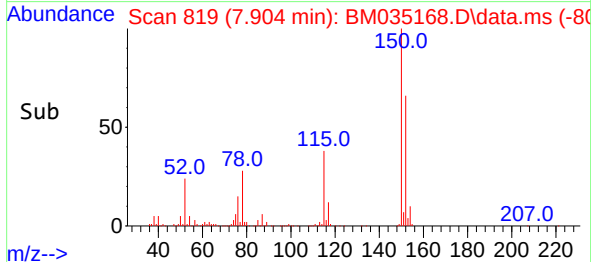
Instrument :
BNA_M
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TR-05-051822



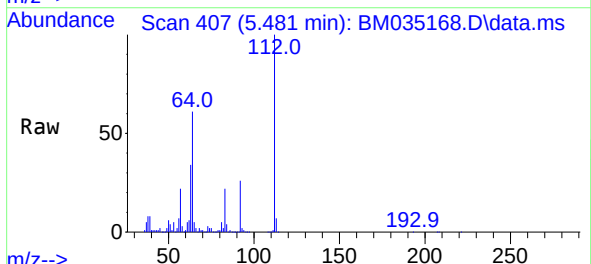
Tgt Ion:152 Resp: 18661
Ion Ratio Lower Upper
152 100
150 152.5 124.9 187.3
115 58.1 47.9 71.9

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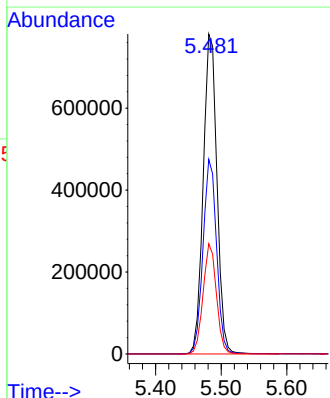
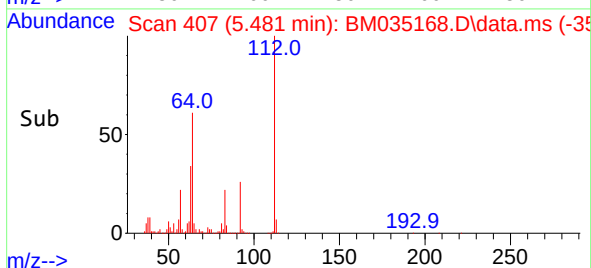
Reviewed By :Christian Giraldo 05/20/2022
Supervised By :Jagrut Upadhyay 05/20/2022

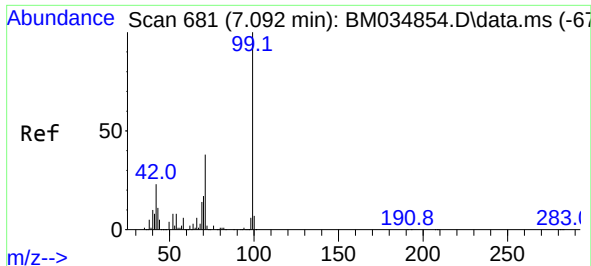


#5
2-Fluorophenol
Concen: 107.764 ng
RT: 5.481 min Scan# 407
Delta R.T. 0.000 min
Lab File: BM035168.D
Acq: 20 May 2022 00:35



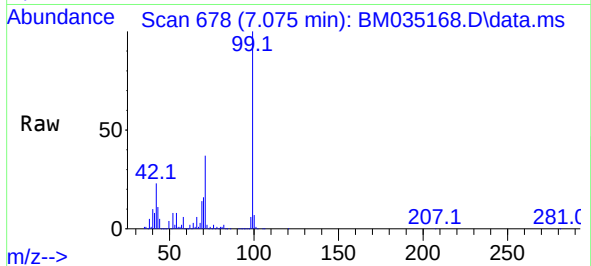
Tgt Ion:112 Resp: 1139903
Ion Ratio Lower Upper
112 100
64 60.8 47.8 71.6
63 34.4 26.6 40.0





#7
Phenol-d6
Concen: 101.753 ng
RT: 7.075 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM035168.D
Acq: 20 May 2022 00:35

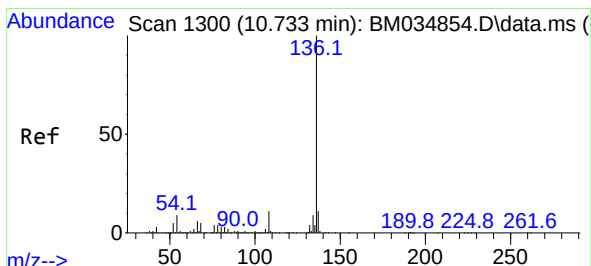
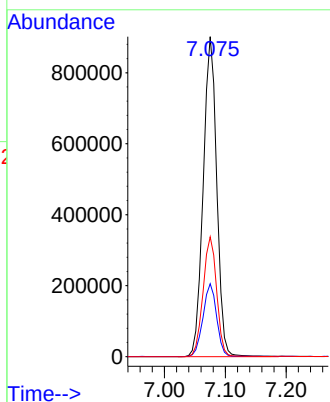
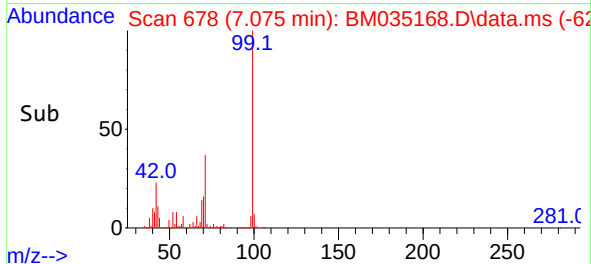
Instrument :
BNA_M
ClientSampleId :
TR-05-051822



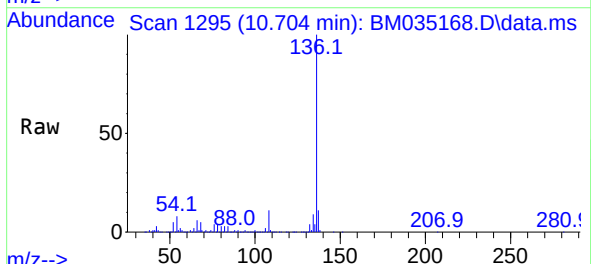
Tgt Ion: 99 Resp: 138947
Ion Ratio Lower Upper
99 100
42 22.8 18.8 28.2
71 37.5 30.2 45.2

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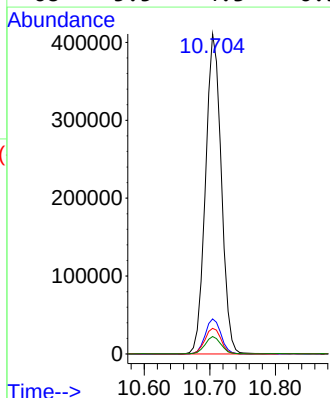
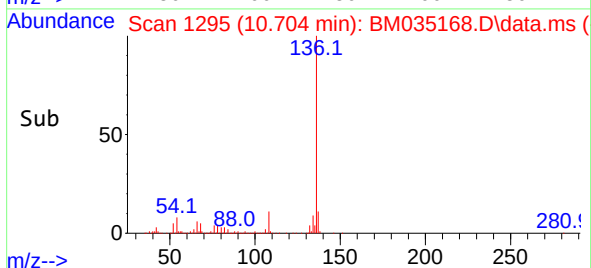
Reviewed By :Christian Giraldo 05/20/2022
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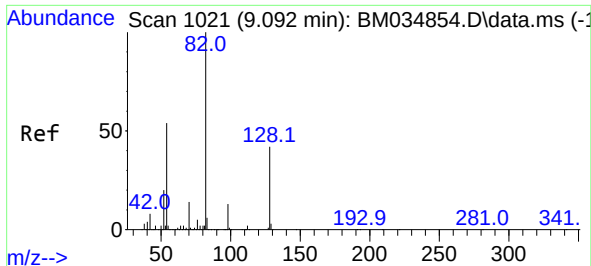


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.704 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BM035168.D
Acq: 20 May 2022 00:35



Tgt Ion:136 Resp: 687494
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 8.0 7.0 10.4
68 5.5 4.3 6.5





#23
Nitrobenzene-d5
Concen: 72.482 ng
RT: 9.063 min Scan# 1016
Delta R.T. 0.000 min
Lab File: BM035168.D
Acq: 20 May 2022 00:35

Instrument :

BNA_M

ClientSampleId :

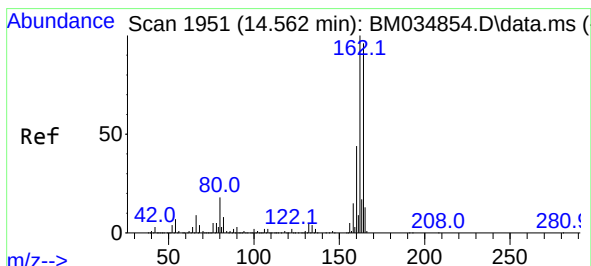
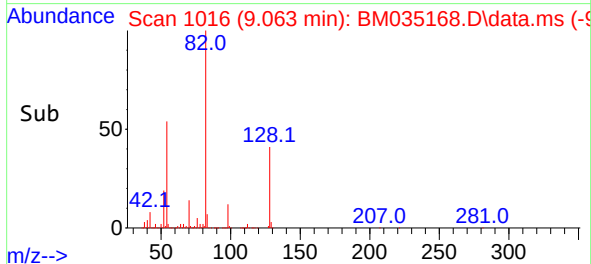
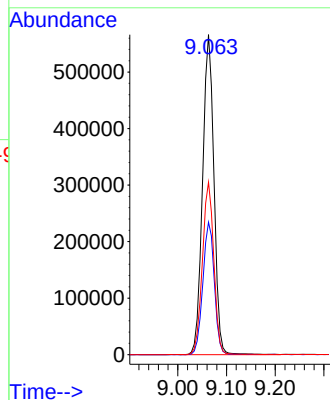
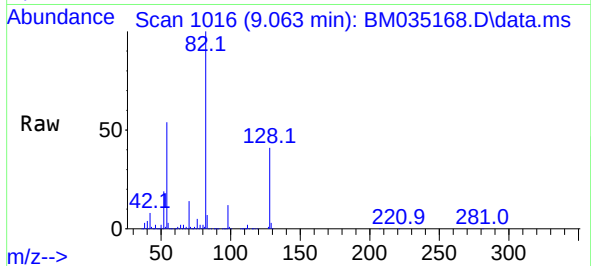
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Tgt Ion: 82 Resp: 92276
Ion Ratio Lower Upper
82 100
128 41.4 33.7 50.5
54 53.9 43.2 64.8

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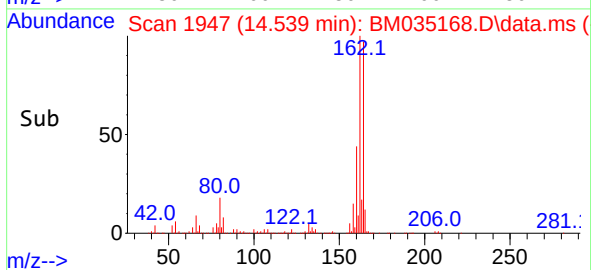
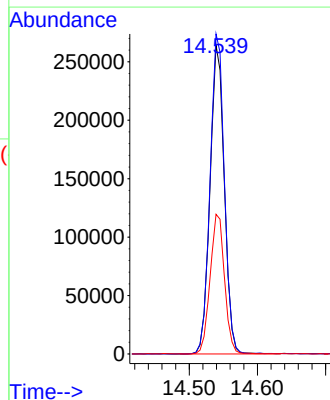
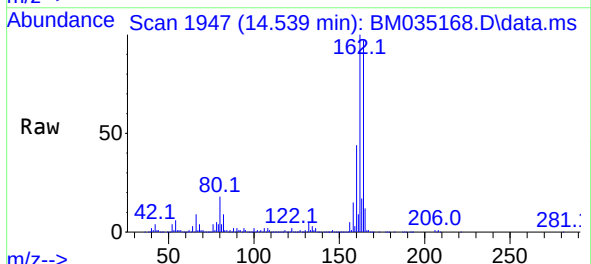
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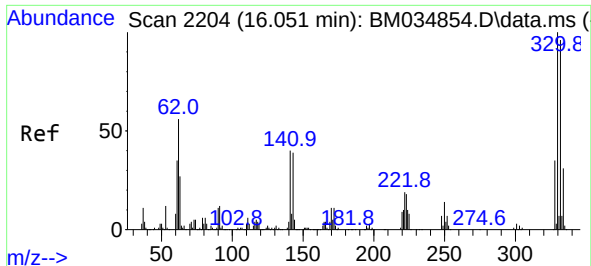
Reviewed By :Christian Giraldo 05/20/2022
Supervised By :Jagrut Upadhyay 05/20/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.539 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BM035168.D
Acq: 20 May 2022 00:35

Tgt Ion:164 Resp: 385437
Ion Ratio Lower Upper
164 100
162 103.6 83.0 124.6
160 45.2 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 106.079 ng
RT: 16.027 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM035168.D
Acq: 20 May 2022 00:35

Instrument :

BNA_M

ClientSampleId :

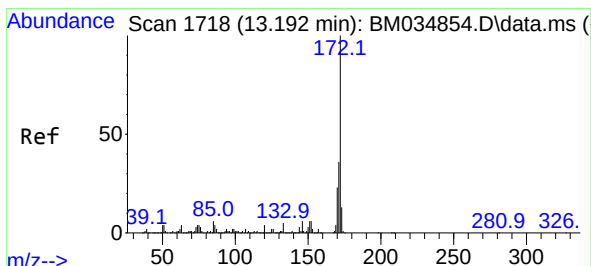
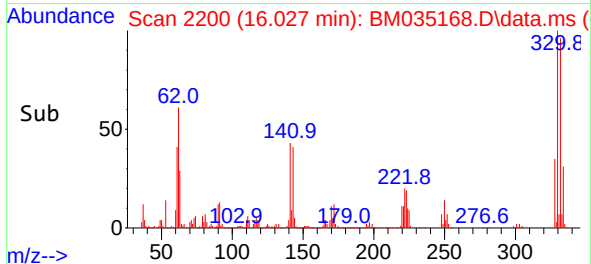
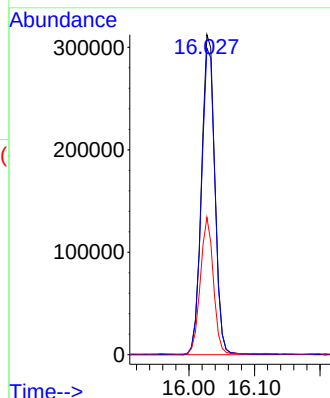
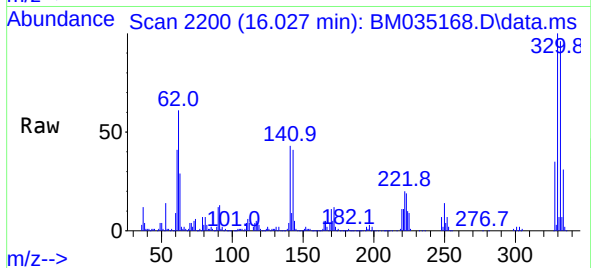
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Tgt Ion:330 Resp: 444760
Ion Ratio Lower Upper
330 100
332 96.4 77.0 115.4
141 41.3 35.3 52.9

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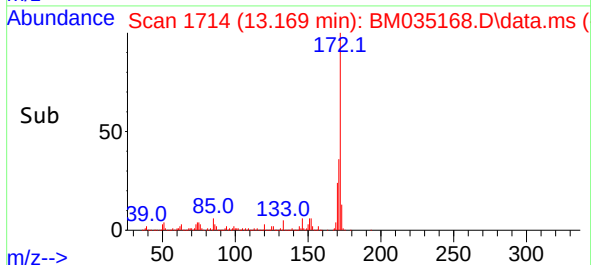
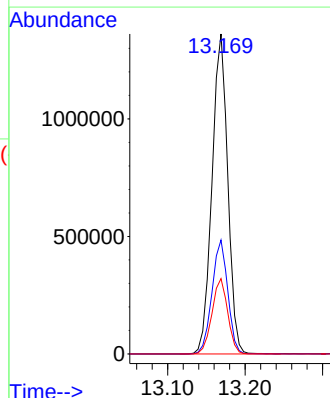
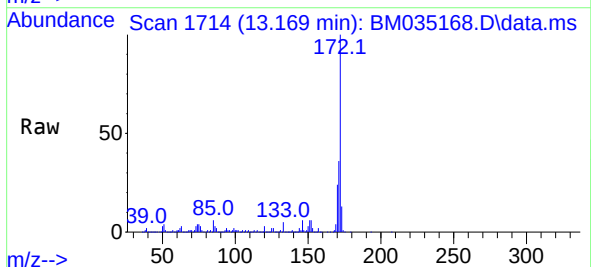
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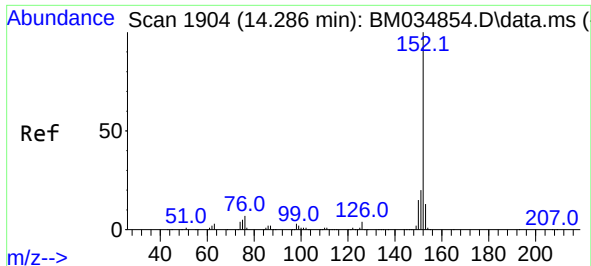
Reviewed By :Christian Giraldo 05/20/2022
Supervised By :Jagrut Upadhyay 05/20/2022



#45
2-Fluorobiphenyl
Concen: 72.261 ng
RT: 13.169 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BM035168.D
Acq: 20 May 2022 00:35

Tgt Ion:172 Resp: 1918608
Ion Ratio Lower Upper
172 100
171 35.6 28.5 42.7
170 23.6 18.7 28.1





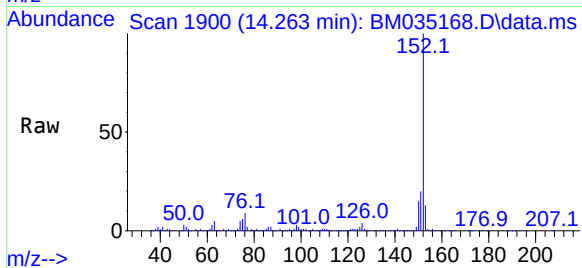
#49
Acenaphthylene
Concen: 7.651 ng
RT: 14.263 min Scan# 1900
Delta R.T. 0.000 min
Lab File: BM035168.D
Acq: 20 May 2022 00:35

Instrument :

BNA_M

ClientSampleId :

TR-05-051822

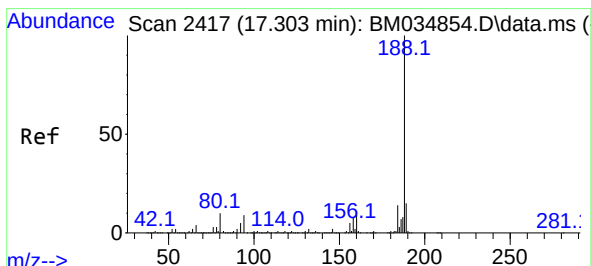
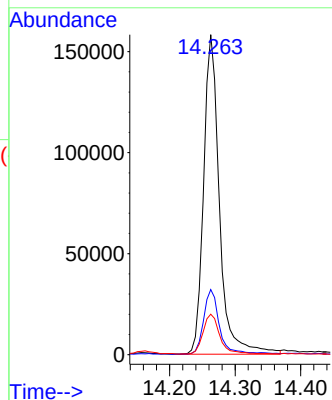
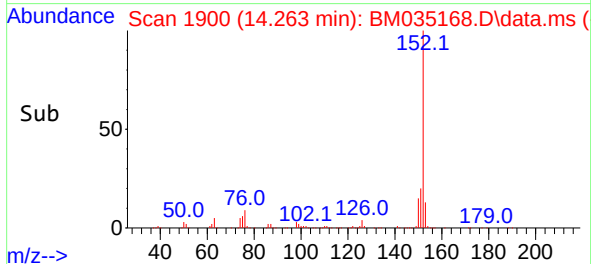


Tgt Ion:152 Resp: 266579
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.2
153 12.7 10.5 15.7

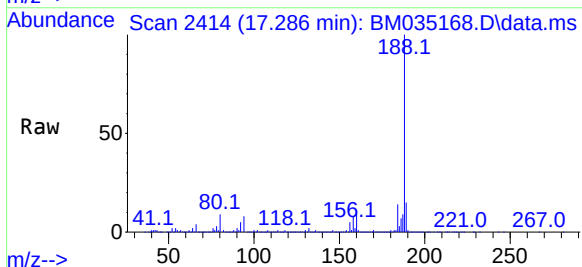
Manual Integrations

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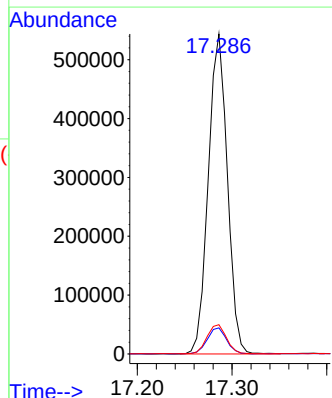
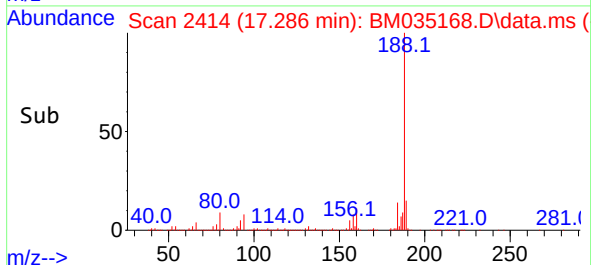
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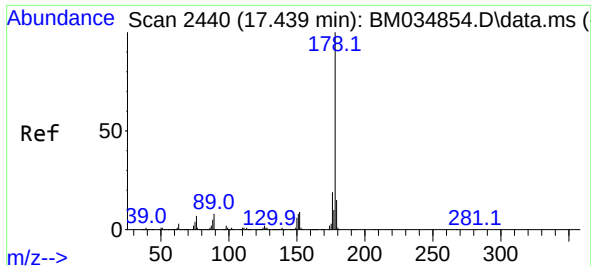


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.286 min Scan# 2414
Delta R.T. 0.000 min
Lab File: BM035168.D
Acq: 20 May 2022 00:35



Tgt Ion:188 Resp: 758387
Ion Ratio Lower Upper
188 100
94 8.2 7.0 10.4
80 9.1 7.6 11.4





#72
 Anthracene
 Concen: 5.136 ng
 RT: 17.416 min Scan# 2440
 Delta R.T. -0.006 min
 Lab File: BM035168.D
 Acq: 20 May 2022 00:35

Instrument :

BNA_M

ClientSampleId :

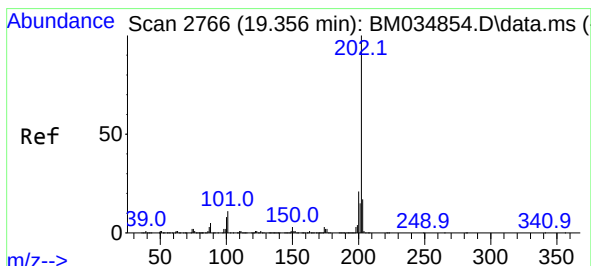
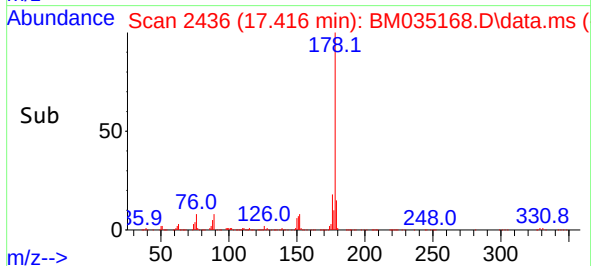
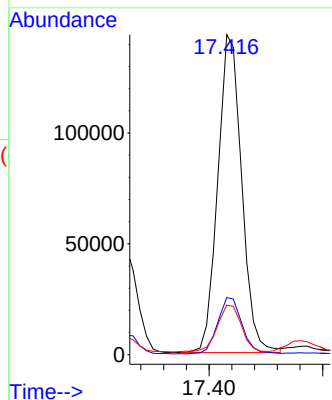
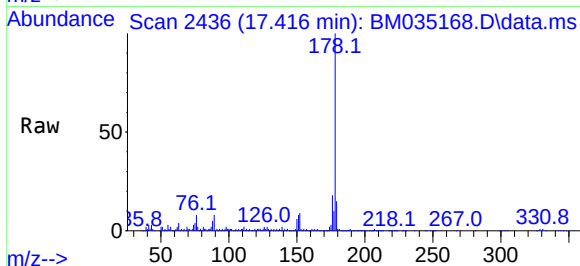
TR-05-051822

Tgt Ion:178 Resp: 209617
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.0 22.4
 179 15.5 12.2 18.2

Manual Integrations

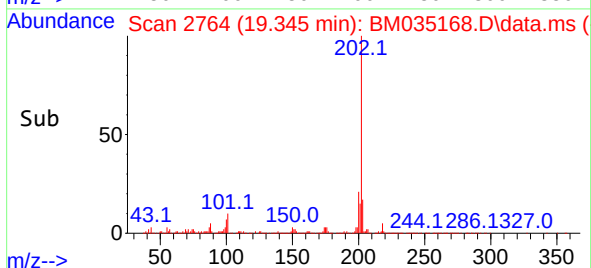
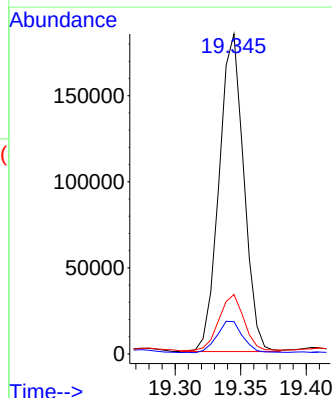
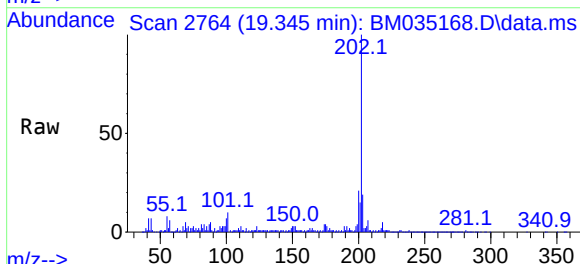
APPROVED

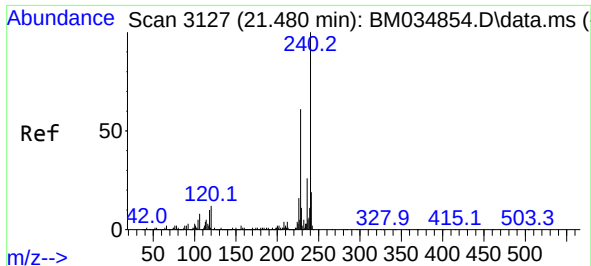
Reviewed By :Christian Giraldo 05/20/2022
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#75
 Fluoranthene
 Concen: 5.206 ng
 RT: 19.345 min Scan# 2764
 Delta R.T. 0.000 min
 Lab File: BM035168.D
 Acq: 20 May 2022 00:35

Tgt Ion:202 Resp: 241630
 Ion Ratio Lower Upper
 202 100
 101 10.1 0.0 30.6
 203 18.6 0.0 37.4





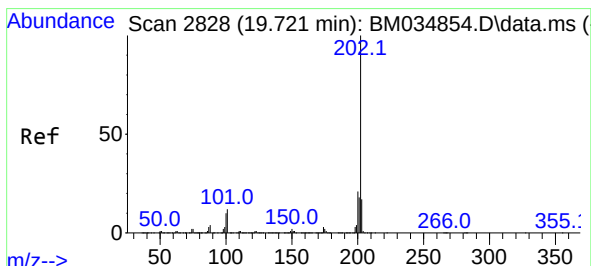
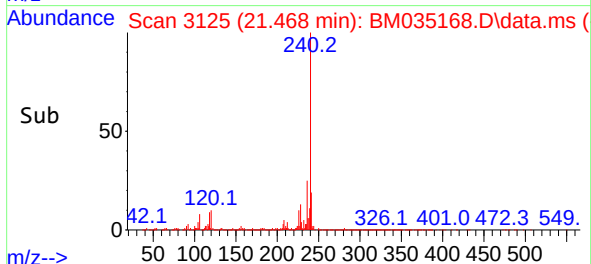
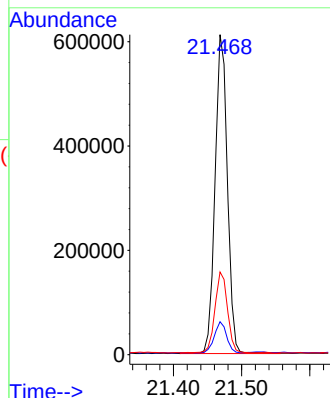
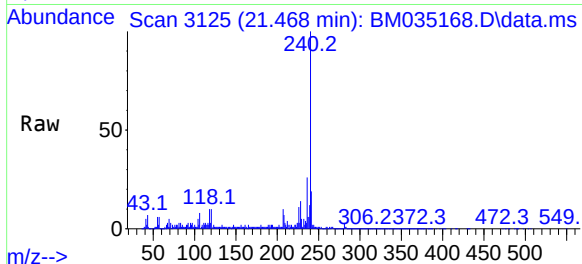
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.468 min Scan# 3125
Delta R.T. -0.006 min
Lab File: BM035168.D
Acq: 20 May 2022 00:35

Instrument :
BNA_M
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TR-05-051822

Tgt Ion:240 Resp: 769509
Ion Ratio Lower Upper
240 100
120 10.3 9.4 14.0
236 25.9 20.6 30.8

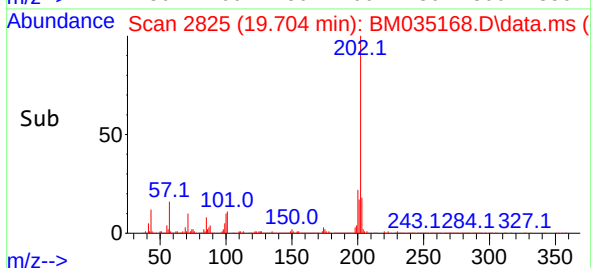
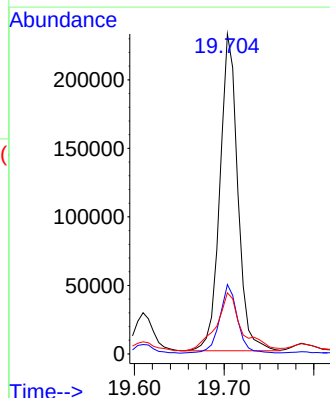
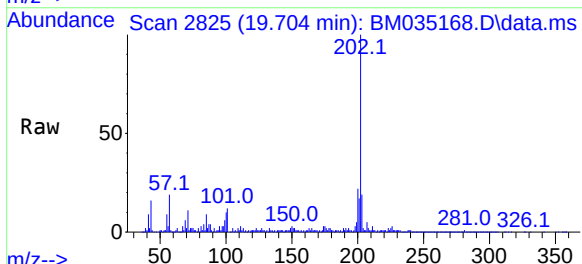
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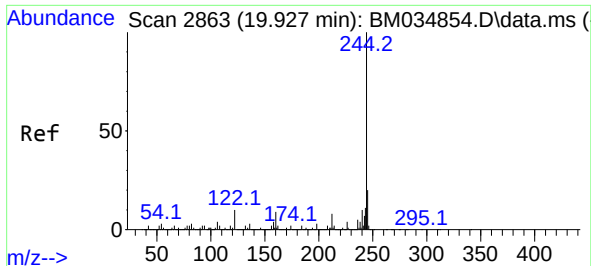
Reviewed By :Christian Giraldo 05/20/2022
Supervised By :Jagrut Upadhyay 05/20/2022



#78
Pyrene
Concen: 6.294 ng
RT: 19.704 min Scan# 2825
Delta R.T. -0.006 min
Lab File: BM035168.D
Acq: 20 May 2022 00:35

Tgt Ion:202 Resp: 320294
Ion Ratio Lower Upper
202 100
200 21.7 16.7 25.1
203 19.1 13.9 20.9





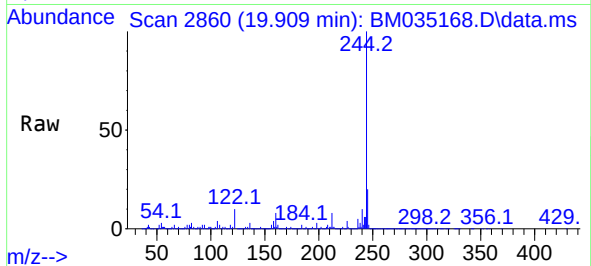
#79
 Terphenyl-d14
 Concen: 70.506 ng
 RT: 19.909 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM035168.D
 Acq: 20 May 2022 00:35

Instrument :

BNA_M

ClientSampleId :

TR-05-051822

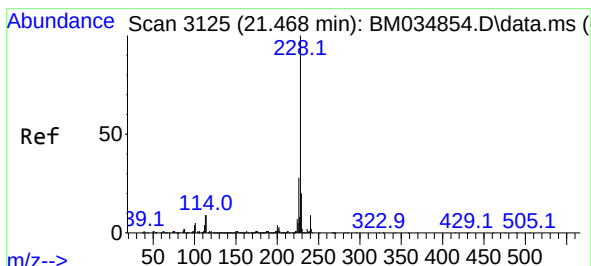
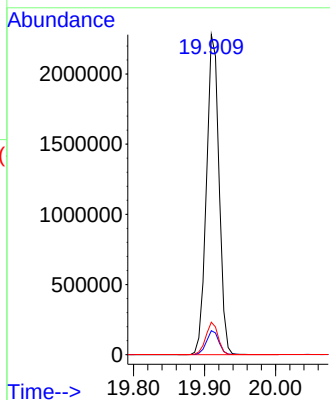
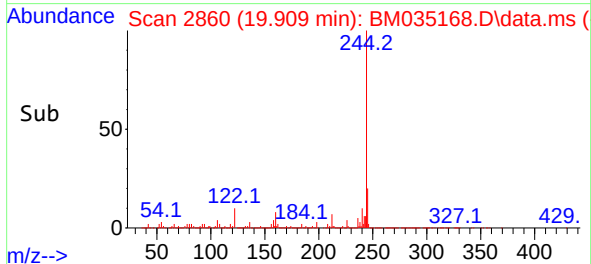


Tgt Ion:244 Resp: 2802139
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.2 9.4
 122 10.2 8.3 12.5

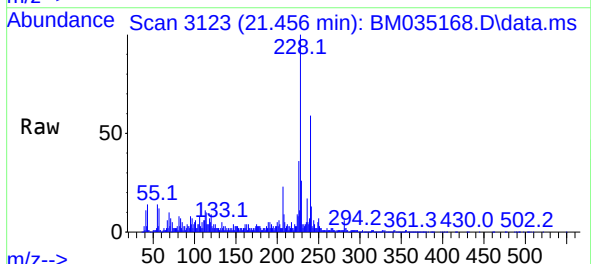
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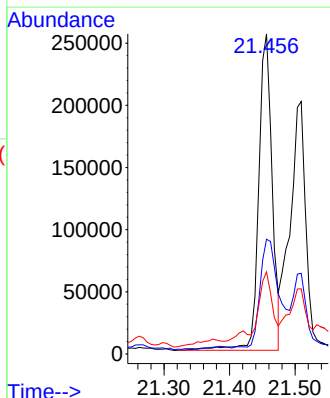
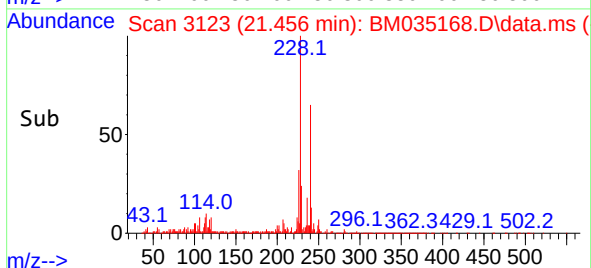
Reviewed By :Christian Giraldo 05/20/2022
 Supervised By :Jagrut Upadhyay 05/20/2022

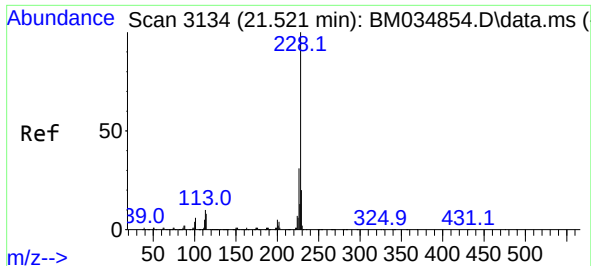


#81
 Benzo(a)anthracene
 Concen: 7.019 ng
 RT: 21.456 min Scan# 3123
 Delta R.T. 0.000 min
 Lab File: BM035168.D
 Acq: 20 May 2022 00:35



Tgt Ion:228 Resp: 360411
 Ion Ratio Lower Upper
 228 100
 226 35.9 22.3 33.5#
 229 25.7 15.8 23.6#





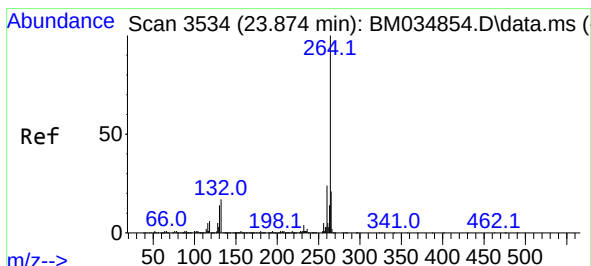
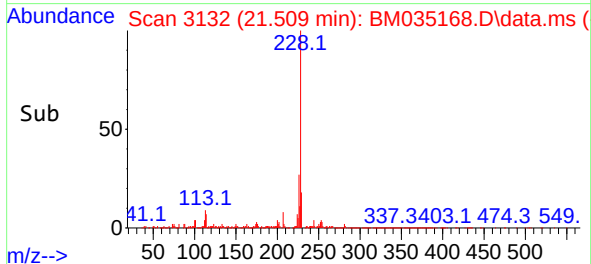
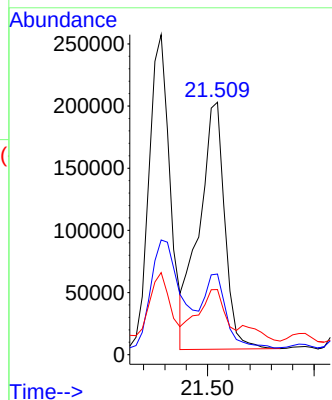
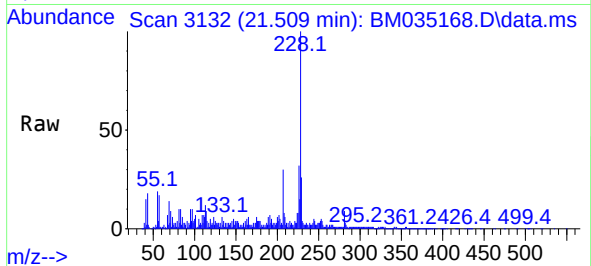
#83
Chrysene
Concen: 6.839 ng
RT: 21.509 min Scan# 3134
Delta R.T. 0.000 min
Lab File: BM035168.D
Acq: 20 May 2022 00:35

Instrument :
BNA_M
ClientSampleId :
TR-05-051822

Tgt Ion:228 Resp: 33542
Ion Ratio Lower Upper
228 100
226 32.0 24.4 36.6
229 25.8 15.8 23.8

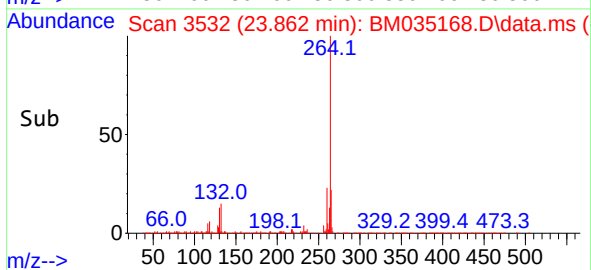
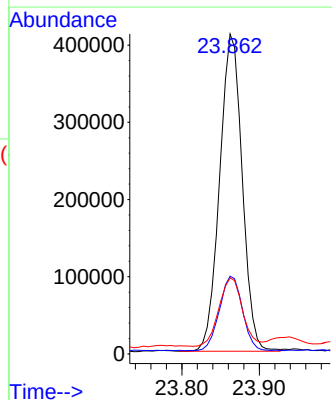
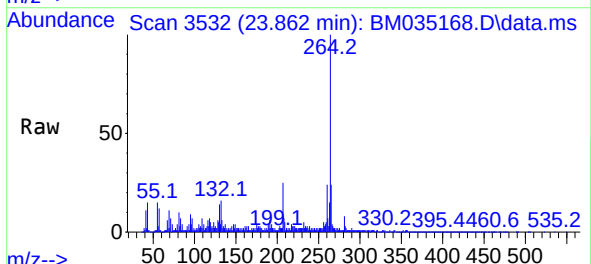
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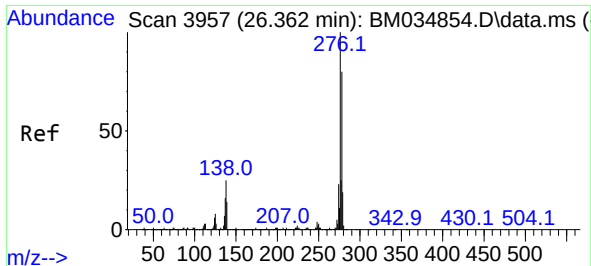
Reviewed By :Christian Giraldo 05/20/2022
Supervised By :Jagrut Upadhyay 05/20/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.862 min Scan# 3532
Delta R.T. 0.006 min
Lab File: BM035168.D
Acq: 20 May 2022 00:35

Tgt Ion:264 Resp: 830951
Ion Ratio Lower Upper
264 100
260 24.3 18.9 28.3
265 23.8 17.5 26.3





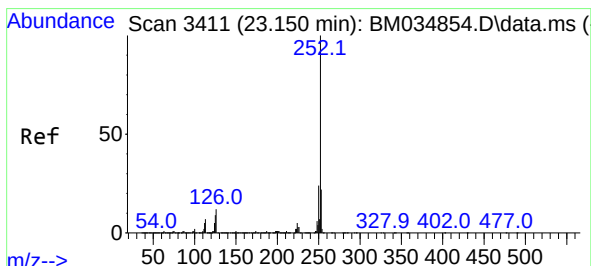
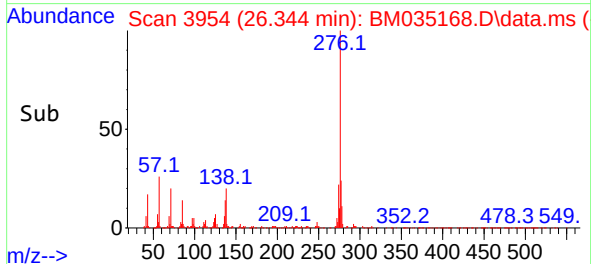
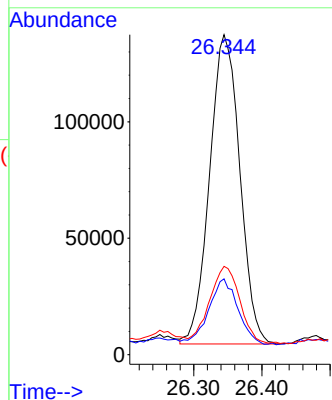
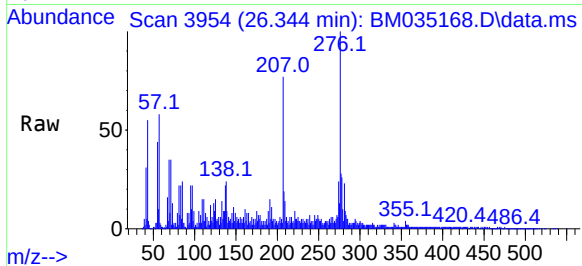
#87
Indeno(1,2,3-cd)pyrene
Concen: 6.486 ng
RT: 26.344 min Scan# 3409
Delta R.T. 0.012 min
Lab File: BM035168.D
Acq: 20 May 2022 00:35

Instrument :
BNA_M
ClientSampleId :
TR-05-051822

Tgt Ion:276 Resp: 409762
Ion Ratio Lower Upper
276 100
138 20.3 20.2 30.4
277 24.6 20.2 30.2

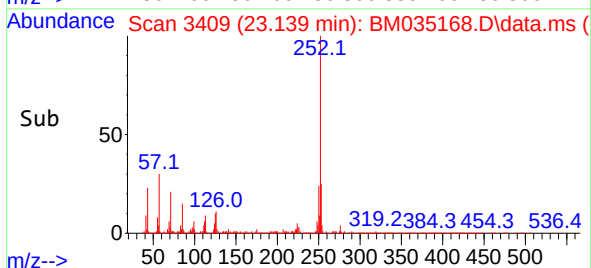
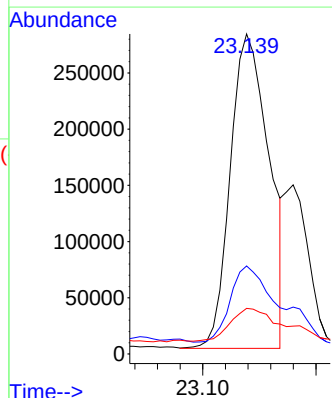
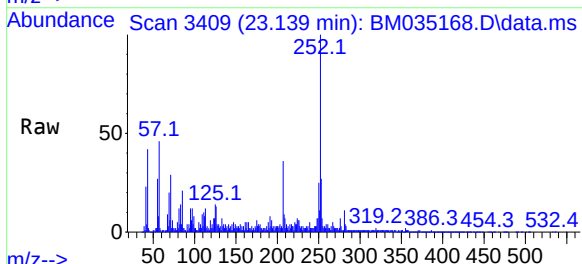
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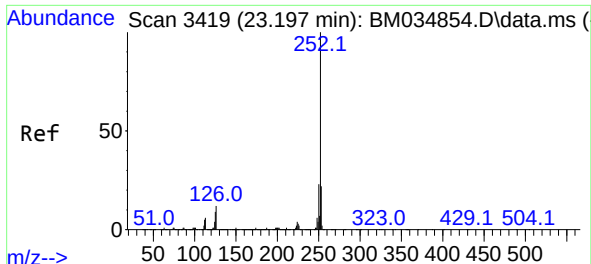
Reviewed By :Christian Giraldo 05/20/2022
Supervised By :Jagrut Upadhyay 05/20/2022



#88
Benzo(b)fluoranthene
Concen: 12.746 ng m
RT: 23.139 min Scan# 3409
Delta R.T. 0.006 min
Lab File: BM035168.D
Acq: 20 May 2022 00:35

Tgt Ion:252 Resp: 666175
Ion Ratio Lower Upper
252 100
253 27.5 17.6 26.4#
125 14.3 7.6 11.4#





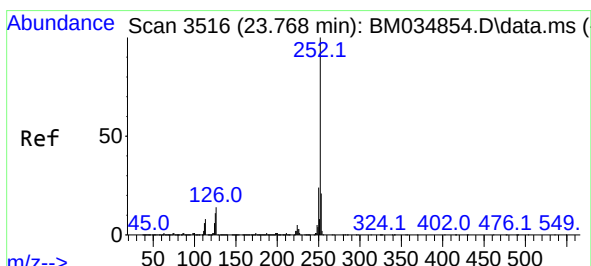
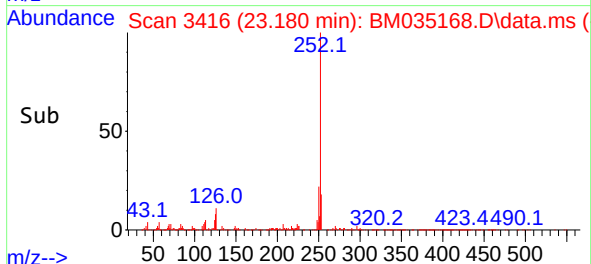
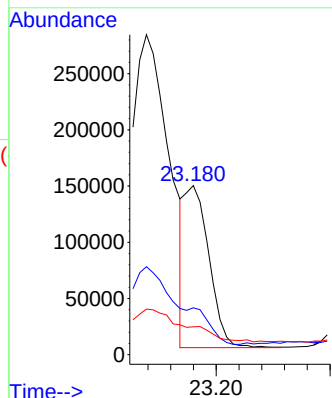
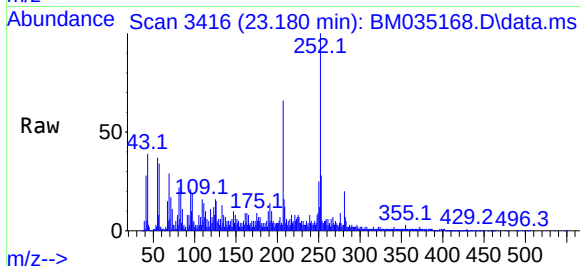
#89
Benzo(k)fluoranthene
Concen: 4.059 ng m
RT: 23.180 min Scan# 3419
Delta R.T. 0.000 min
Lab File: BM035168.D
Acq: 20 May 2022 00:35

Instrument :
BNA_M
ClientSampleId :
TR-05-051822

Tgt Ion:252 Resp: 214762
Ion Ratio Lower Upper
252 100
253 27.8 17.5 26.3
125 16.4 7.6 11.4

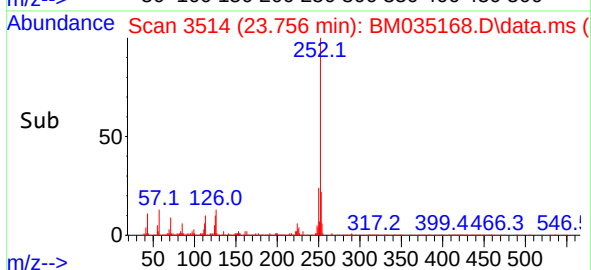
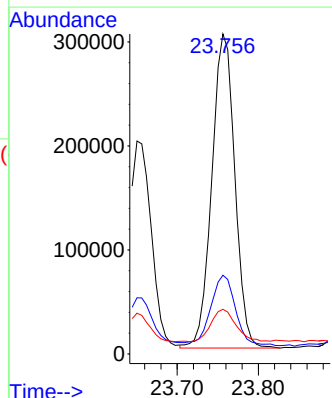
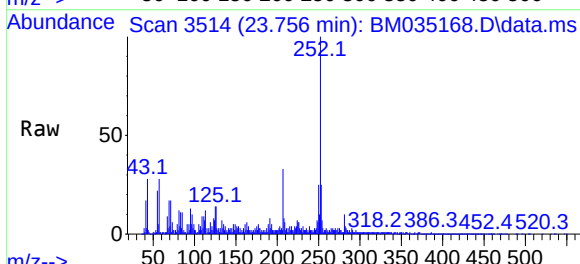
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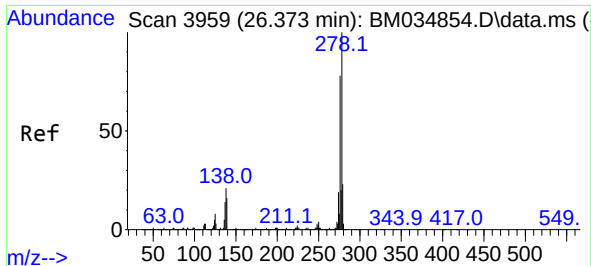
Reviewed By :Christian Giraldo 05/20/2022
Supervised By :Jagrut Upadhyay 05/20/2022



#90
Benzo(a)pyrene
Concen: 13.710 ng
RT: 23.756 min Scan# 3514
Delta R.T. 0.006 min
Lab File: BM035168.D
Acq: 20 May 2022 00:35

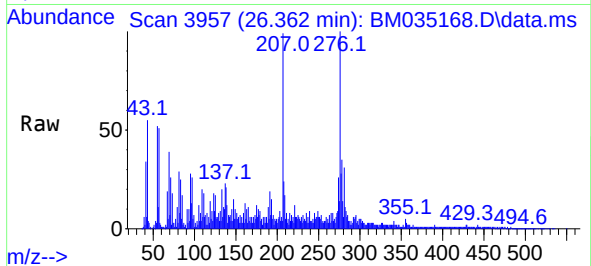
Tgt Ion:252 Resp: 595285
Ion Ratio Lower Upper
252 100
253 24.6 17.2 25.8
125 14.0 8.7 13.1





#91
Dibenzo(a,h)anthracene
Concen: 2.357 ng
RT: 26.362 min Scan# 3957
Delta R.T. 0.012 min
Lab File: BM035168.D
Acq: 20 May 2022 00:35

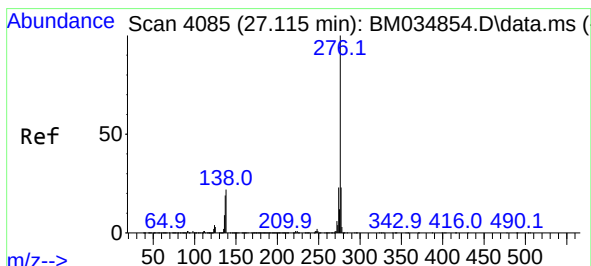
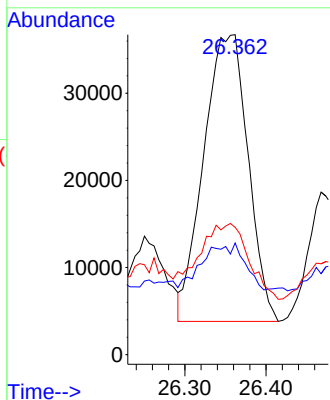
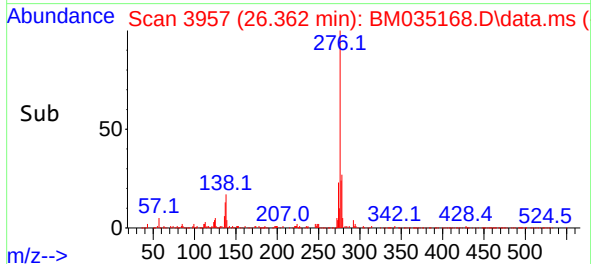
Instrument :
BNA_M
ClientSampleId :
TR-05-051822



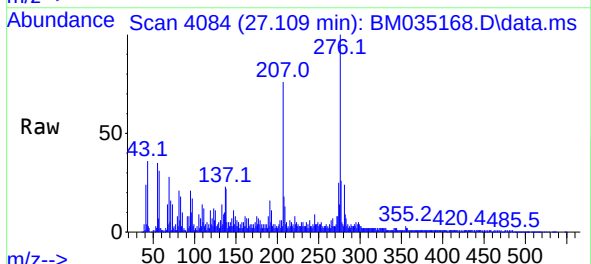
Tgt Ion: 278 Resp: 124920
Ion Ratio Lower Upper
278 100
139 34.9 12.9 19.3
279 39.8 18.7 28.1

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 05/20/2022
Supervised By : Jagrut Upadhyay 05/20/2022



#92
Benzo(g,h,i)perylene
Concen: 8.910 ng
RT: 27.109 min Scan# 4084
Delta R.T. 0.018 min
Lab File: BM035168.D
Acq: 20 May 2022 00:35



Tgt Ion: 276 Resp: 453680
Ion Ratio Lower Upper
276 100
277 26.1 18.7 28.1
138 22.5 17.6 26.4

