

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052422\
 Data File : BM035230.D
 Acq On : 24 May 2022 21:45
 Operator : CG/JU
 Sample : N2981-12
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-10(1.5-2)

Manual Integrations
 APPROVED

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

Quant Time: May 25 05:44:46 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	126928	20.000	ng	0.00
21) Naphthalene-d8	10.698	136	508562	20.000	ng	-0.01
39) Acenaphthene-d10	14.533	164	319111	20.000	ng	-0.01
64) Phenanthrene-d10	17.280	188	687517	20.000	ng	0.00
76) Chrysene-d12	21.462	240	735487	20.000	ng	-0.01
86) Perylene-d12	23.844	264	783828	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	645113	89.667	ng	0.00
7) Phenol-d6	7.069	99	826261	88.962	ng	0.00
23) Nitrobenzene-d5	9.057	82	542417	57.597	ng	0.00
42) 2,4,6-Tribromophenol	16.021	330	346042	99.687	ng	-0.01
45) 2-Fluorobiphenyl	13.163	172	1302939	59.272	ng	0.00
79) Terphenyl-d14	19.903	244	2064556	54.351	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.321	178	320062	8.353	ng	99
72) Anthracene	17.409	178	115562	3.123	ng	100
75) Fluoranthene	19.339	202	949018	22.556	ng	98
78) Pyrene	19.697	202	815386	16.764	ng	99
81) Benzo(a)anthracene	21.450	228	802608	16.354	ng	94
83) Chrysene	21.497	228	671791m	14.331	ng	
87) Indeno(1,2,3-cd)pyrene	26.309	276	400218	6.716	ng	# 94
88) Benzo(b)fluoranthene	23.127	252	906802	18.394	ng	99
89) Benzo(k)fluoranthene	23.168	252	314052m	6.293	ng	
90) Benzo(a)pyrene	23.738	252	680835	16.623	ng	96
91) Dibenzo(a,h)anthracene	26.315	278	127674m	2.554	ng	
92) Benzo(g,h,i)perylene	27.062	276	330450	6.880	ng	97

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

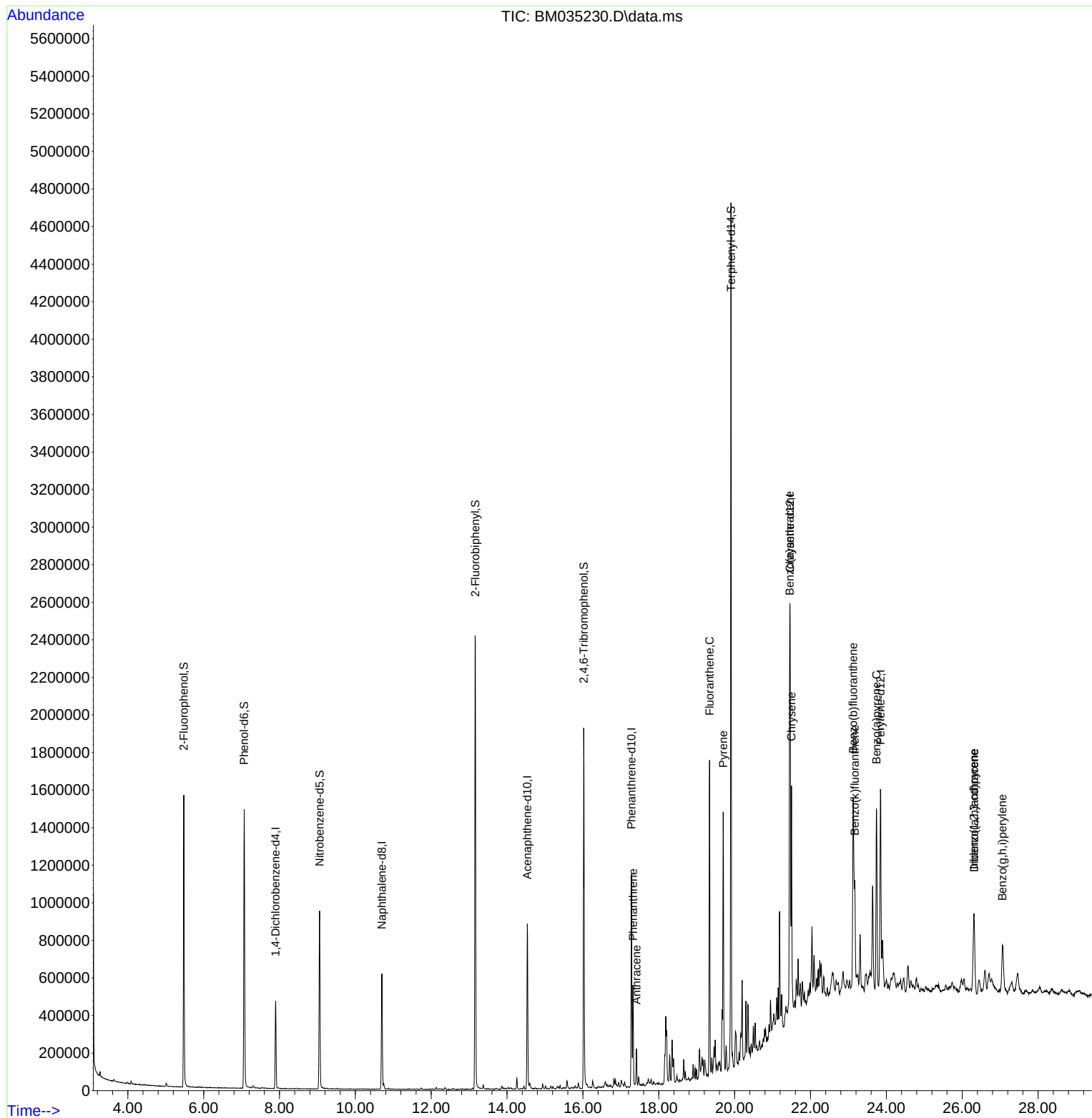
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052422\
Data File : BM035230.D
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ALS Vial : 17 Sample Multiplier: 1

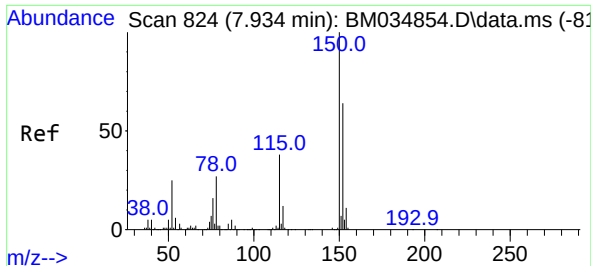
Instrument :
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SB-10(1.5-2)

Quant Time: May 25 05:44:46 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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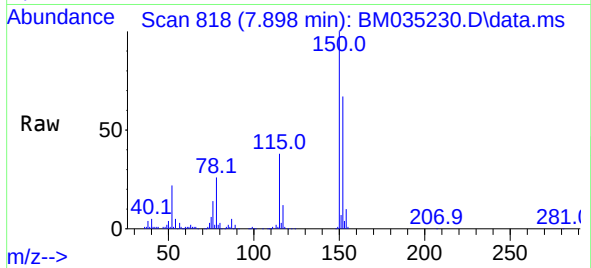
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.898 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM035230.D
Acq: 24 May 2022 21:45

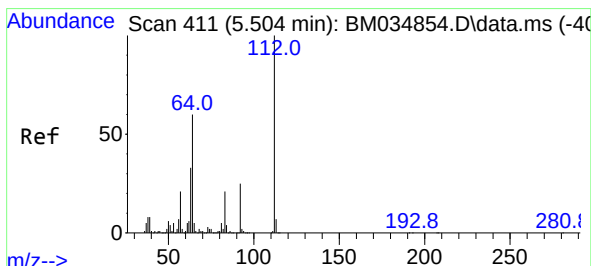
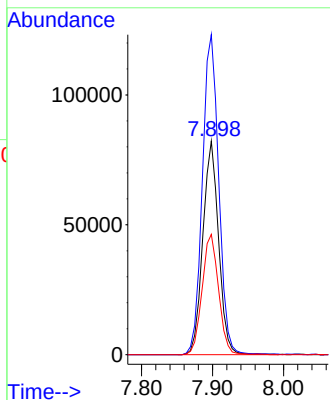
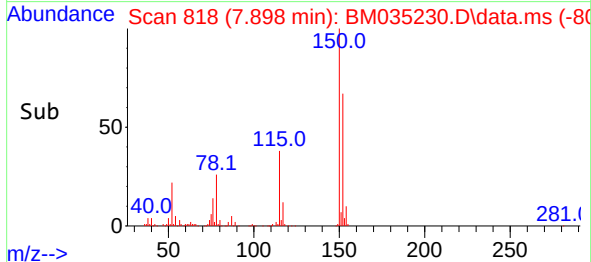
Instrument :
BNA_M
ClientSampleId :
SB-10(1.5-2)



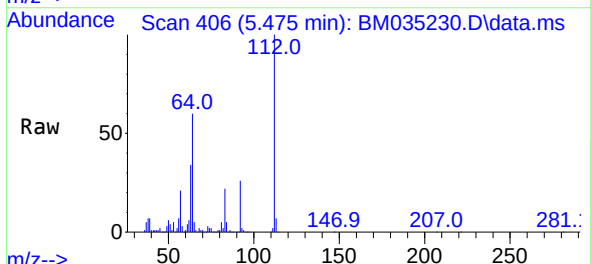
Tgt Ion:152 Resp: 126928
Ion Ratio Lower Upper
152 100
150 149.8 124.9 187.3
115 56.4 47.9 71.9

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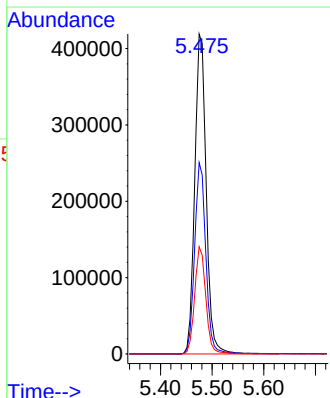
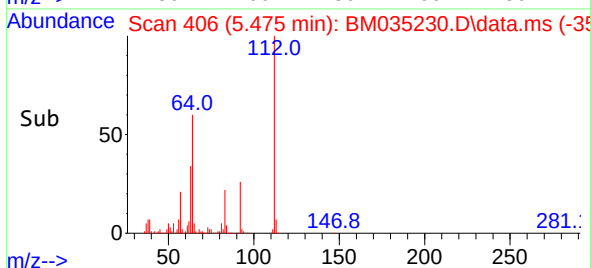
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

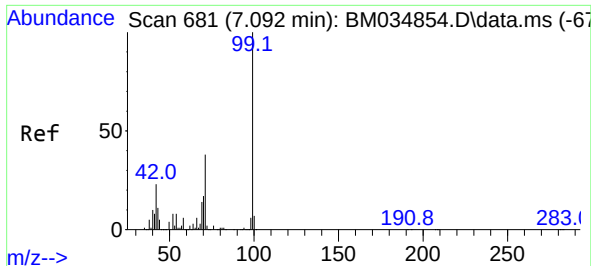


#5
2-Fluorophenol
Concen: 89.667 ng
RT: 5.475 min Scan# 406
Delta R.T. -0.006 min
Lab File: BM035230.D
Acq: 24 May 2022 21:45



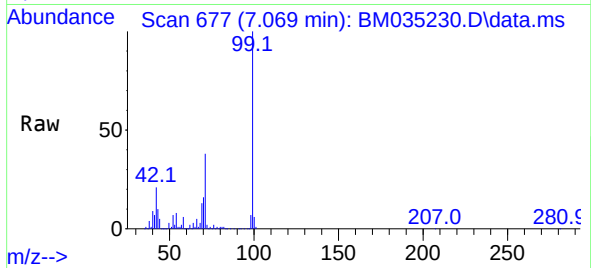
Tgt Ion:112 Resp: 645113
Ion Ratio Lower Upper
112 100
64 59.8 47.8 71.6
63 33.5 26.6 40.0





#7
Phenol-d6
Concen: 88.962 ng
RT: 7.069 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM035230.D
Acq: 24 May 2022 21:45

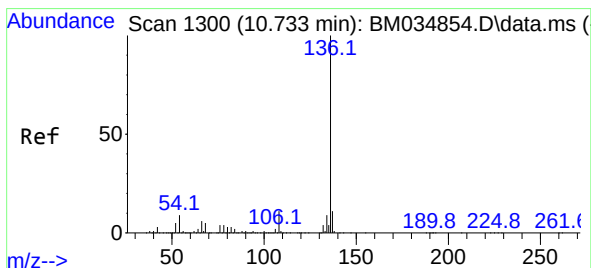
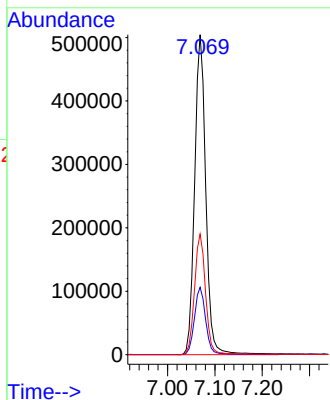
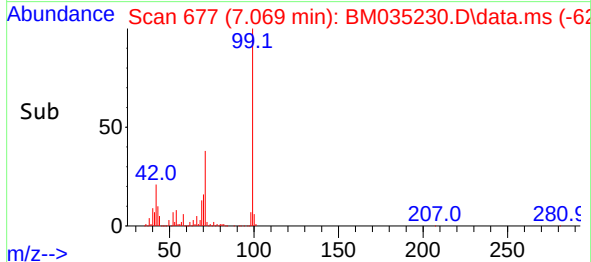
Instrument :
BNA_M
ClientSampleId :
SB-10(1.5-2)



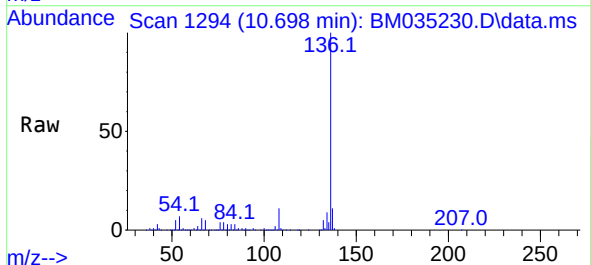
Tgt Ion: 99 Resp: 82626
Ion Ratio Lower Upper
99 100
42 21.1 18.8 28.2
71 37.7 30.2 45.2

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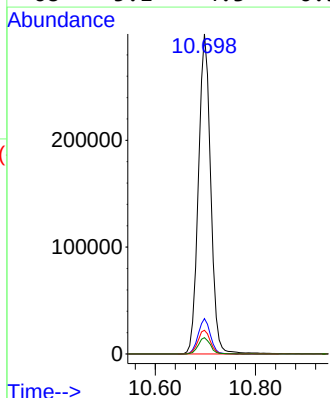
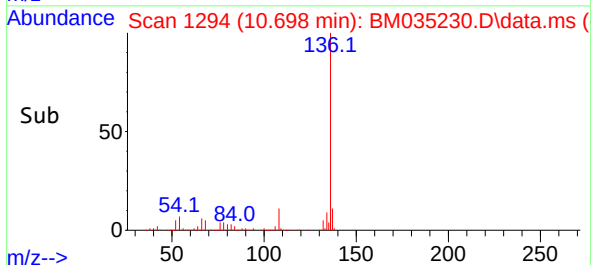
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

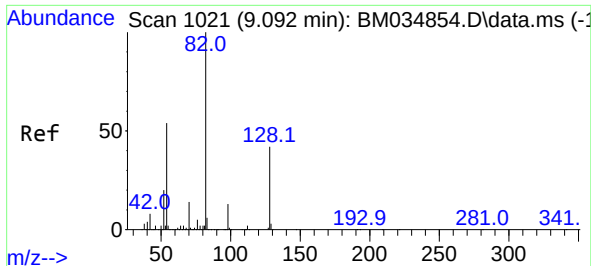


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.698 min Scan# 1294
Delta R.T. -0.012 min
Lab File: BM035230.D
Acq: 24 May 2022 21:45



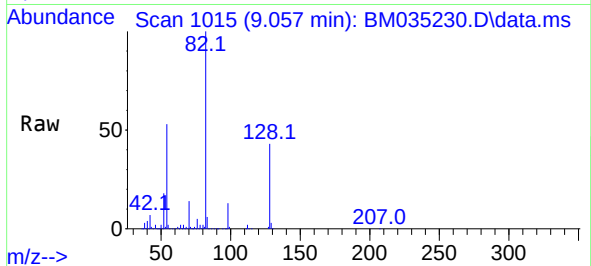
Tgt Ion:136 Resp: 508562
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.4 7.0 10.4
68 5.1 4.3 6.5





#23
Nitrobenzene-d5
Concen: 57.597 ng
RT: 9.057 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BM035230.D
Acq: 24 May 2022 21:45

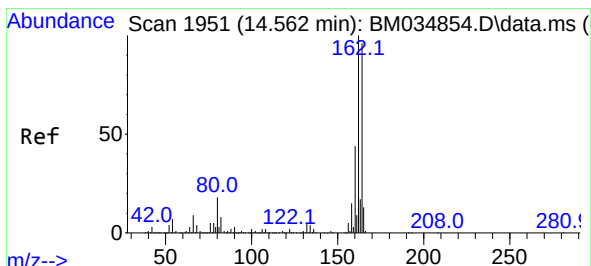
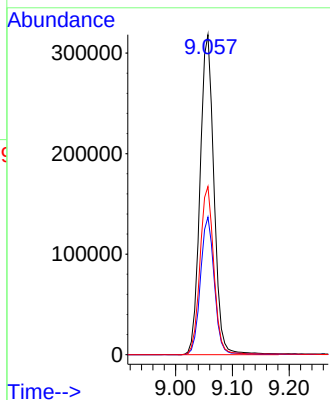
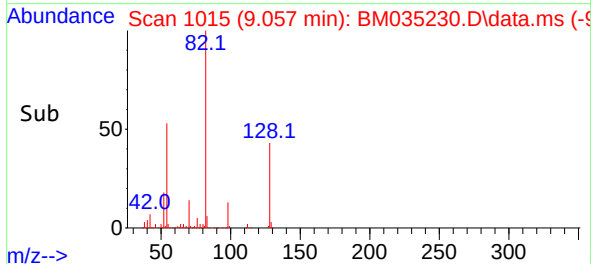
Instrument :
BNA_M
ClientSampleId :
SB-10(1.5-2)



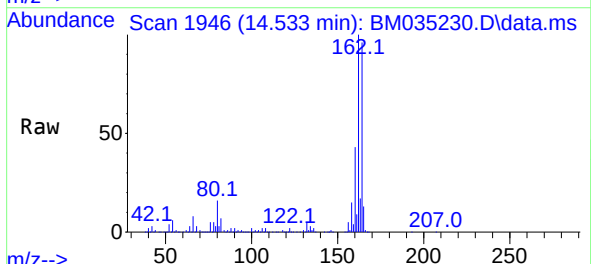
Tgt Ion: 82 Resp: 54241
Ion Ratio Lower Upper
82 100
128 43.0 33.7 50.5
54 52.5 43.2 64.8

Manual Integrations
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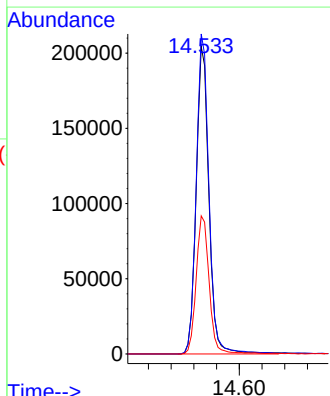
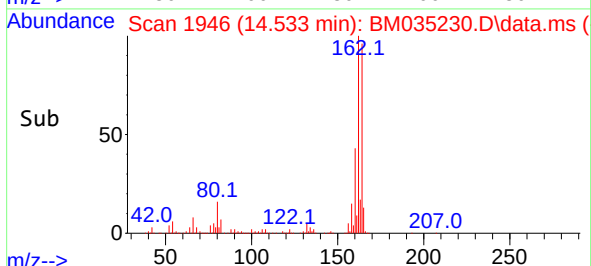
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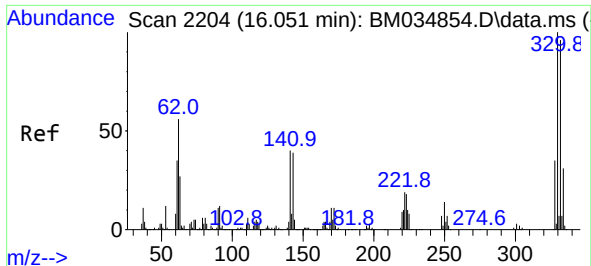


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.533 min Scan# 1946
Delta R.T. -0.012 min
Lab File: BM035230.D
Acq: 24 May 2022 21:45



Tgt Ion:164 Resp: 319111
Ion Ratio Lower Upper
164 100
162 104.1 83.0 124.6
160 44.9 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 99.687 ng
RT: 16.021 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM035230.D
Acq: 24 May 2022 21:45

Instrument :

BNA_M

ClientSampleId :

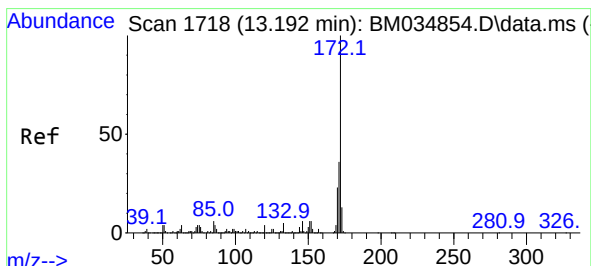
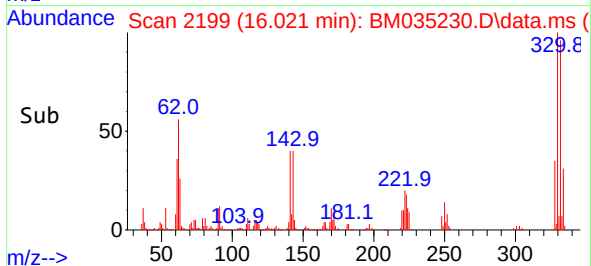
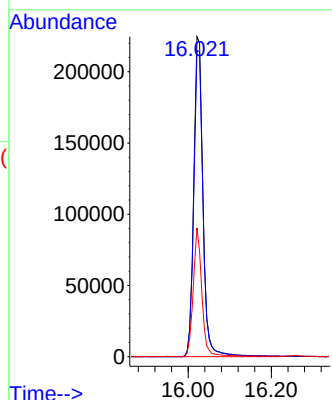
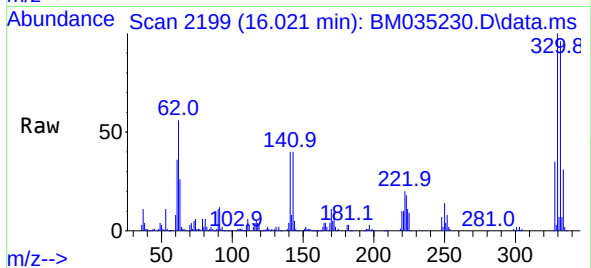
SB-10(1.5-2)

Tgt Ion:330 Resp: 34604
Ion Ratio Lower Upper
330 100
332 95.8 77.0 115.4
141 38.0 35.3 52.9

Manual Integrations

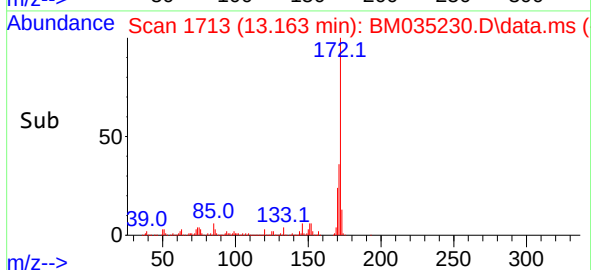
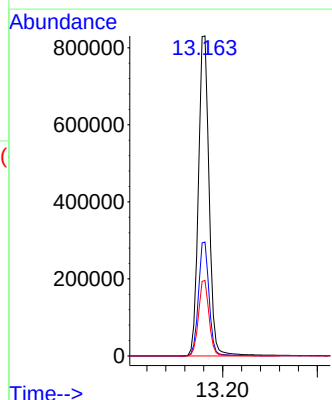
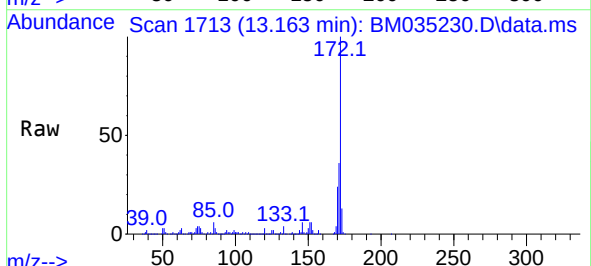
APPROVED

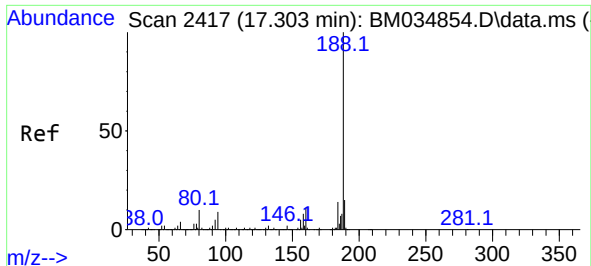
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#45
2-Fluorobiphenyl
Concen: 59.272 ng
RT: 13.163 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BM035230.D
Acq: 24 May 2022 21:45

Tgt Ion:172 Resp: 1302939
Ion Ratio Lower Upper
172 100
171 35.6 28.5 42.7
170 23.6 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.280 min Scan# 2417
Delta R.T. -0.006 min
Lab File: BM035230.D
Acq: 24 May 2022 21:45

Instrument :

BNA_M

ClientSampleId :

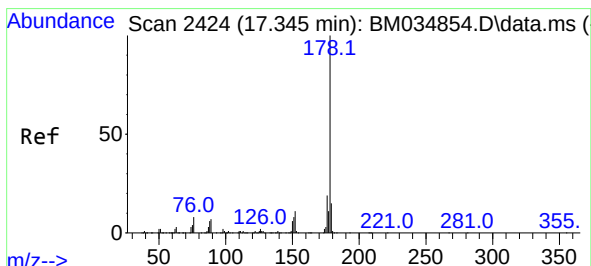
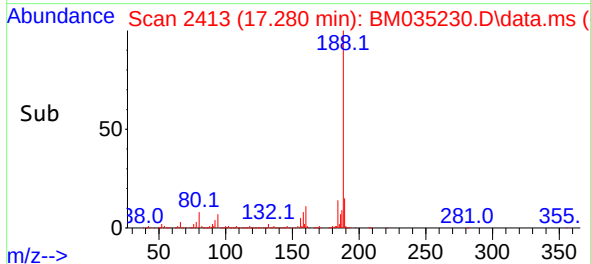
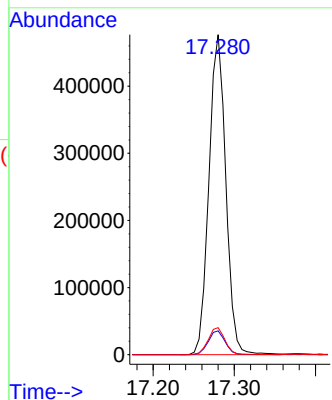
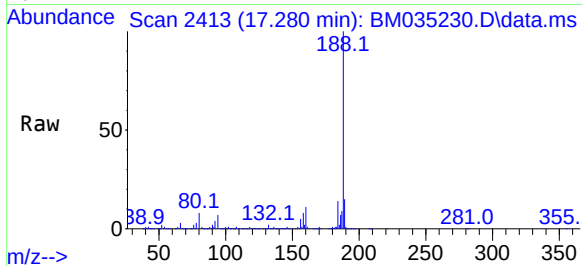
SB-10(1.5-2)

Tgt Ion:188 Resp: 68751
Ion Ratio Lower Upper
188 100
94 7.5 7.0 10.4
80 8.4 7.6 11.4

Manual Integrations

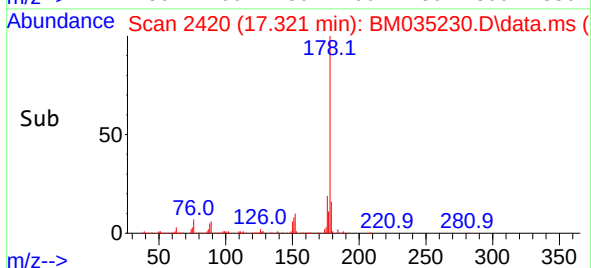
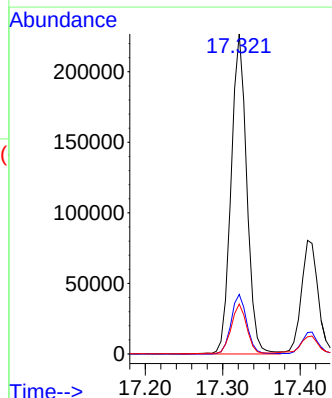
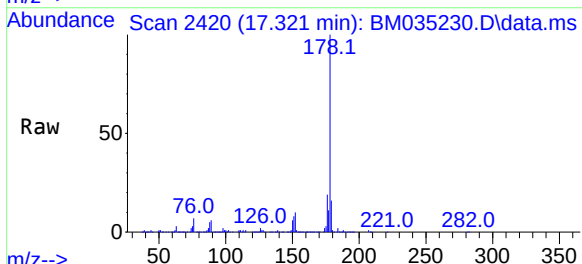
APPROVED

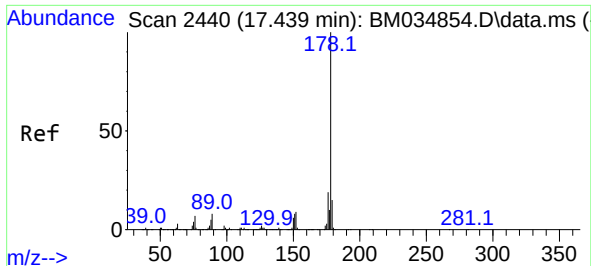
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#71
Phenanthrene
Concen: 8.353 ng
RT: 17.321 min Scan# 2420
Delta R.T. -0.006 min
Lab File: BM035230.D
Acq: 24 May 2022 21:45

Tgt Ion:178 Resp: 320062
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.0
179 15.6 12.4 18.6





#72
 Anthracene
 Concen: 3.123 ng
 RT: 17.409 min Scan# 2440
 Delta R.T. -0.012 min
 Lab File: BM035230.D
 Acq: 24 May 2022 21:45

Instrument :

BNA_M

ClientSampleId :

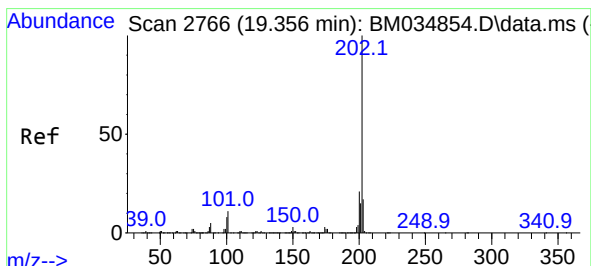
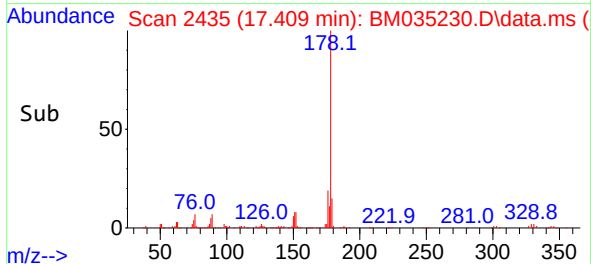
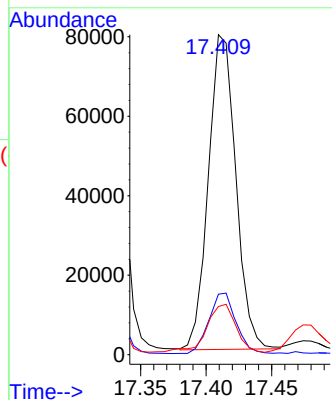
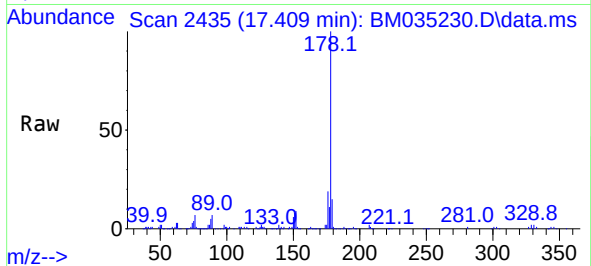
SB-10(1.5-2)

Tgt Ion:178 Resp: 115562
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.0 22.4
 179 15.0 12.2 18.2

Manual Integrations

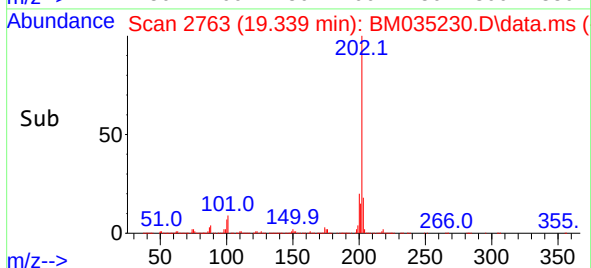
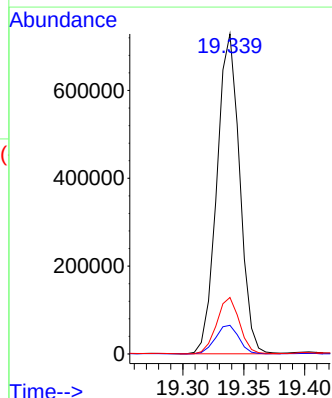
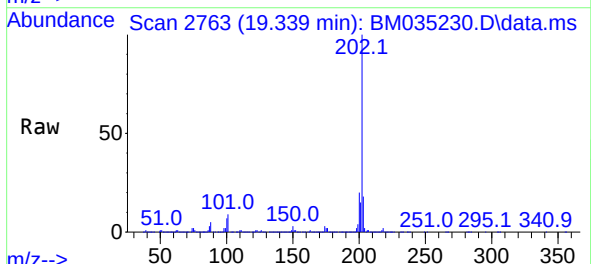
APPROVED

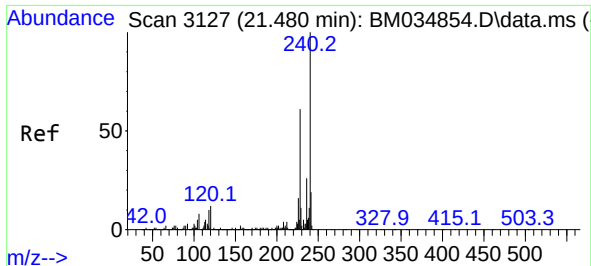
Reviewed By :Christian Giraldo 05/25/2022
 Supervised By :Jagrut Upadhyay 05/25/2022



#75
 Fluoranthene
 Concen: 22.556 ng
 RT: 19.339 min Scan# 2763
 Delta R.T. -0.006 min
 Lab File: BM035230.D
 Acq: 24 May 2022 21:45

Tgt Ion:202 Resp: 949018
 Ion Ratio Lower Upper
 202 100
 101 9.0 0.0 30.6
 203 17.7 0.0 37.4





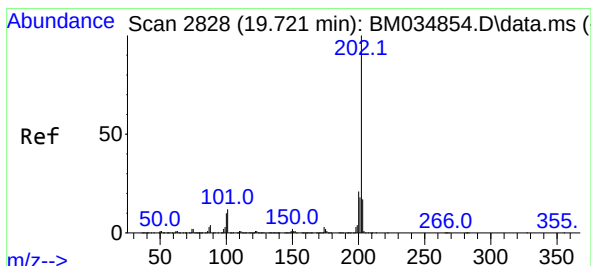
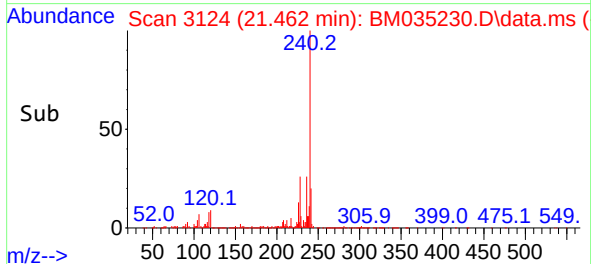
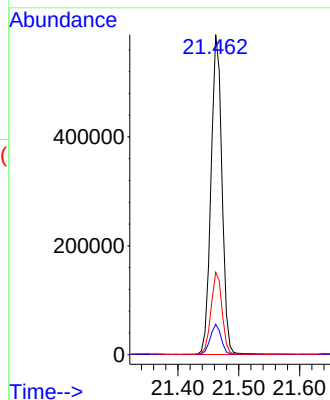
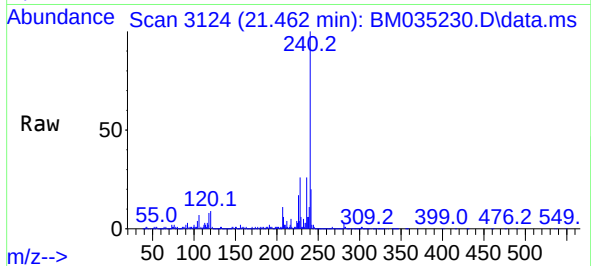
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.462 min Scan# 3127
Delta R.T. -0.012 min
Lab File: BM035230.D
Acq: 24 May 2022 21:45

Instrument :
BNA_M
ClientSampleId :
SB-10(1.5-2)

Tgt Ion:240 Resp: 73548
Ion Ratio Lower Upper
240 100
120 9.5 9.4 14.0
236 25.7 20.6 30.8

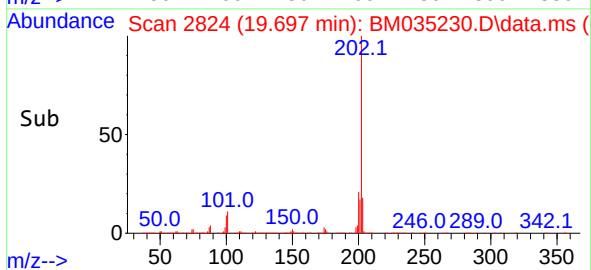
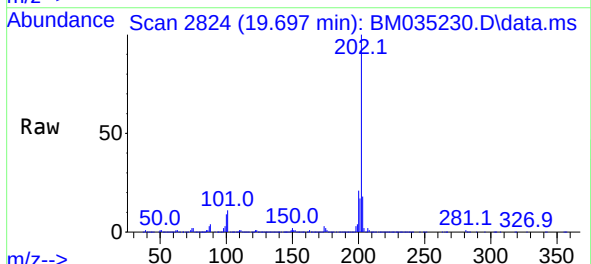
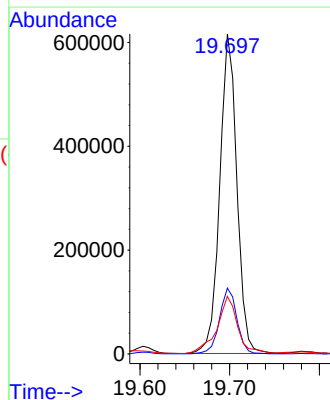
Manual Integrations
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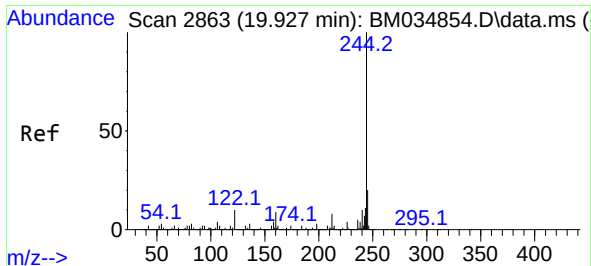
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#78
Pyrene
Concen: 16.764 ng
RT: 19.697 min Scan# 2824
Delta R.T. -0.012 min
Lab File: BM035230.D
Acq: 24 May 2022 21:45

Tgt Ion:202 Resp: 815386
Ion Ratio Lower Upper
202 100
200 20.6 16.7 25.1
203 18.0 13.9 20.9





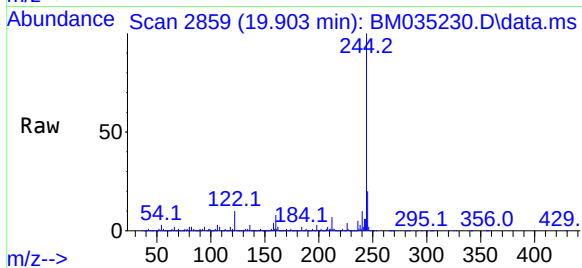
#79
 Terphenyl-d14
 Concen: 54.351 ng
 RT: 19.903 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM035230.D
 Acq: 24 May 2022 21:45

Instrument :

BNA_M

ClientSampleId :

SB-10(1.5-2)

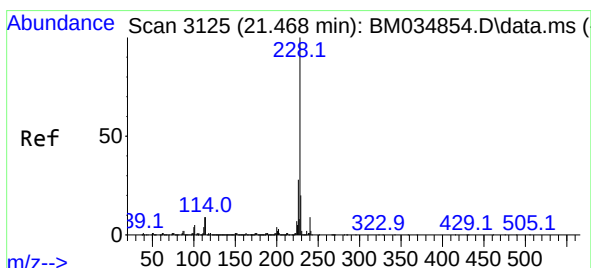
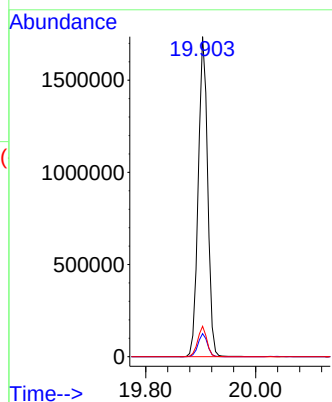
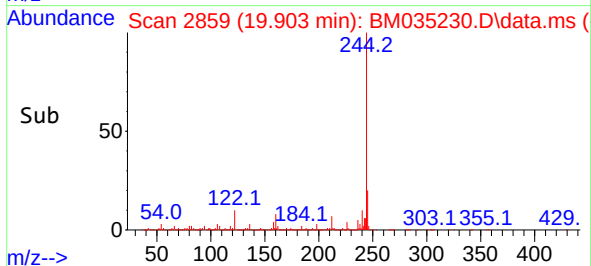


Tgt Ion:244 Resp: 2064550
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.2 9.4
 122 9.5 8.3 12.5

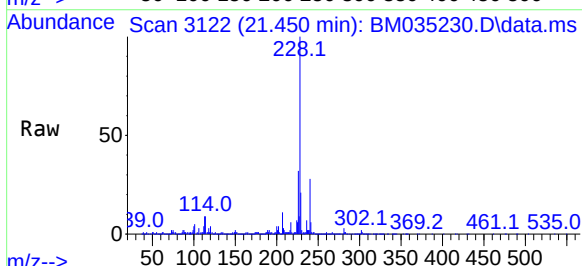
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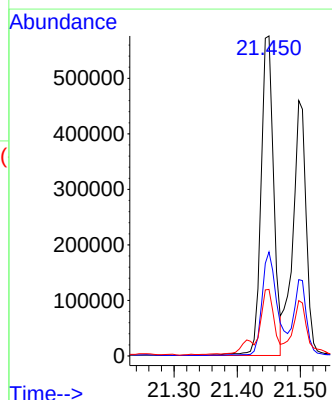
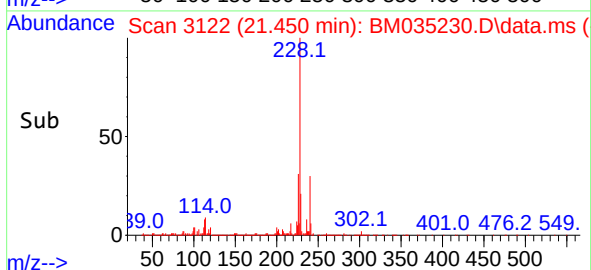
Reviewed By :Christian Giraldo 05/25/2022
 Supervised By :Jagrut Upadhyay 05/25/2022

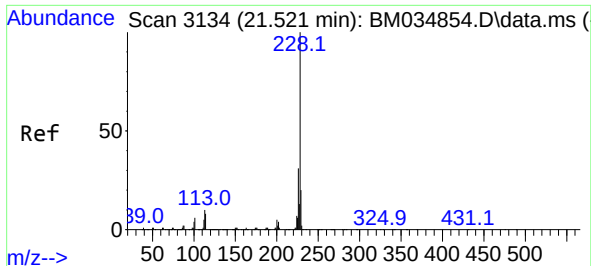


#81
 Benzo(a)anthracene
 Concen: 16.354 ng
 RT: 21.450 min Scan# 3122
 Delta R.T. -0.006 min
 Lab File: BM035230.D
 Acq: 24 May 2022 21:45



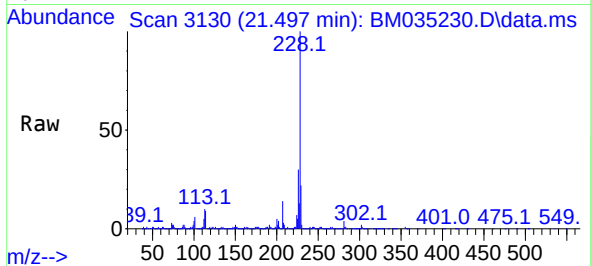
Tgt Ion:228 Resp: 802608
 Ion Ratio Lower Upper
 228 100
 226 32.5 22.3 33.5
 229 20.8 15.8 23.6





#83
Chrysene
Concen: 14.331 ng m
RT: 21.497 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM035230.D
Acq: 24 May 2022 21:45

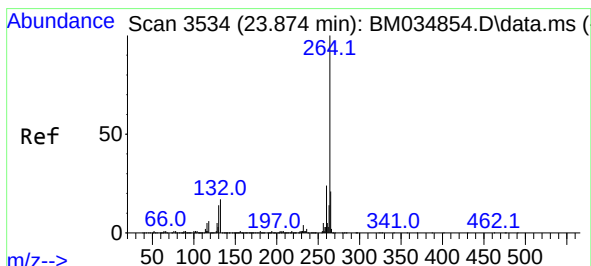
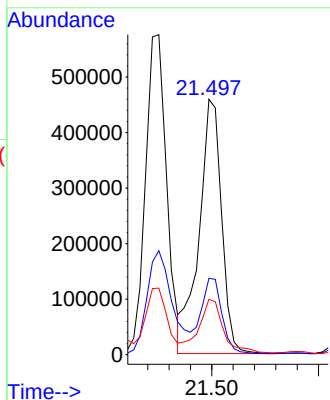
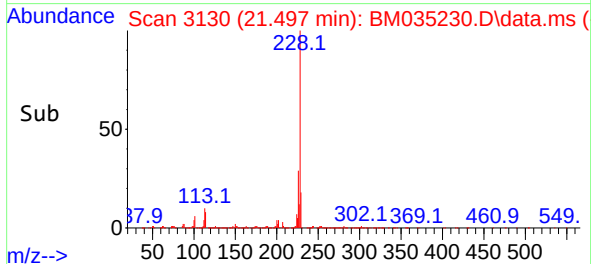
Instrument :
BNA_M
ClientSampleId :
SB-10(1.5-2)



Tgt Ion:228 Resp: 67179
Ion Ratio Lower Upper
228 100
226 29.9 24.4 36.6
229 21.7 15.8 23.8

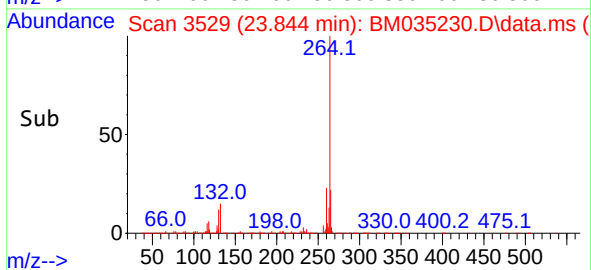
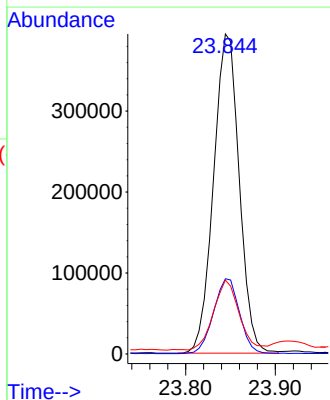
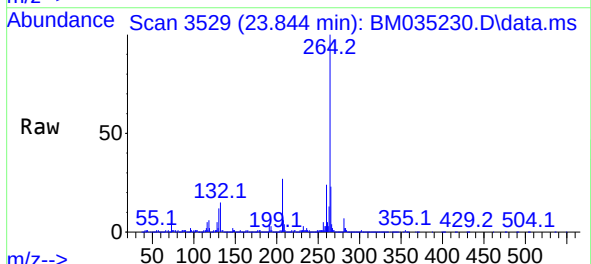
Manual Integrations
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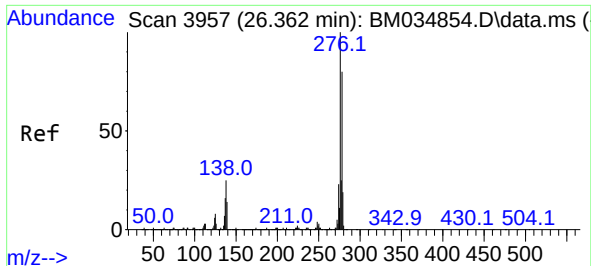
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.844 min Scan# 3529
Delta R.T. -0.012 min
Lab File: BM035230.D
Acq: 24 May 2022 21:45

Tgt Ion:264 Resp: 783828
Ion Ratio Lower Upper
264 100
260 23.5 18.9 28.3
265 23.1 17.5 26.3





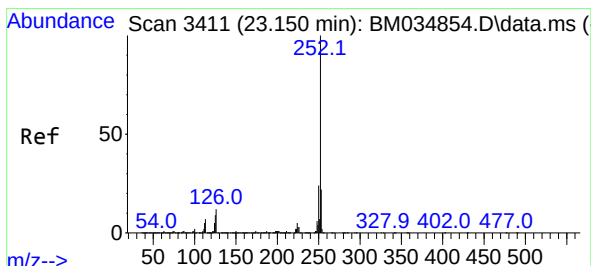
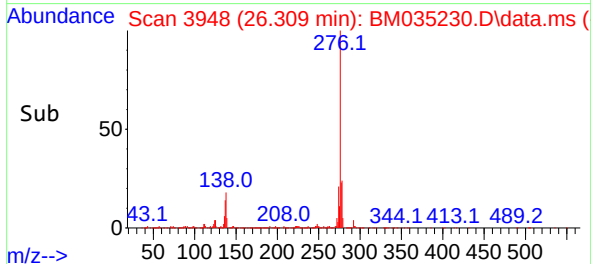
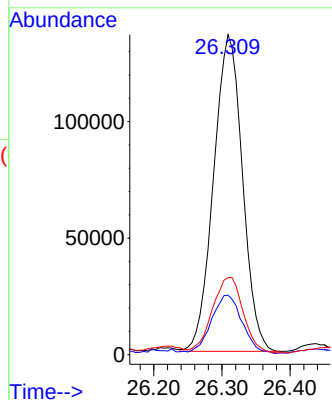
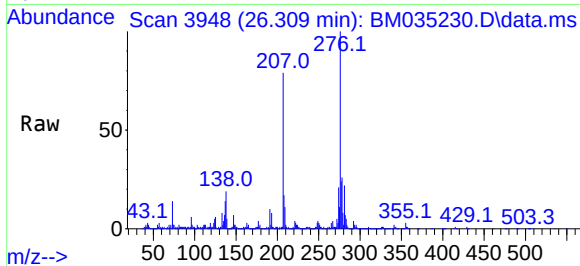
#87
Indeno(1,2,3-cd)pyrene
Concen: 6.716 ng
RT: 26.309 min Scan# 3407
Delta R.T. -0.024 min
Lab File: BM035230.D
Acq: 24 May 2022 21:45

Instrument :
BNA_M
ClientSampleId :
SB-10(1.5-2)

Tgt Ion:276 Resp: 400218
Ion Ratio Lower Upper
276 100
138 19.7 20.2 30.4
277 25.5 20.2 30.2

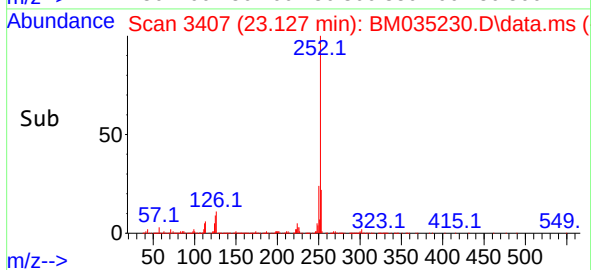
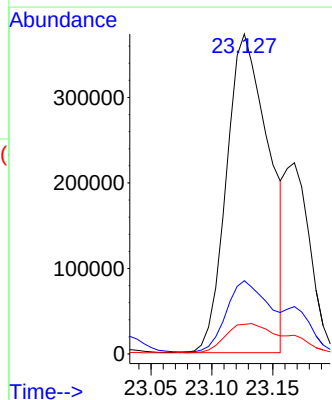
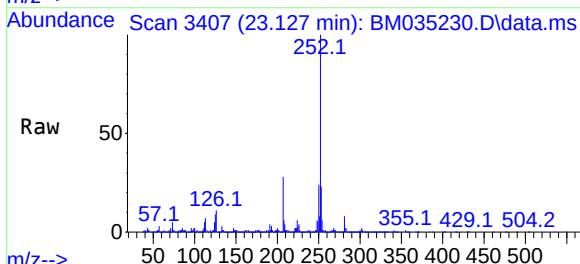
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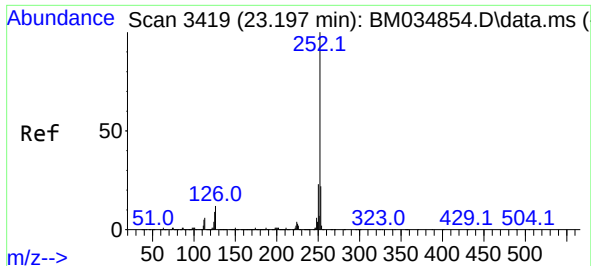
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#88
Benzo(b)fluoranthene
Concen: 18.394 ng
RT: 23.127 min Scan# 3407
Delta R.T. -0.006 min
Lab File: BM035230.D
Acq: 24 May 2022 21:45

Tgt Ion:252 Resp: 906802
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 9.3 7.6 11.4





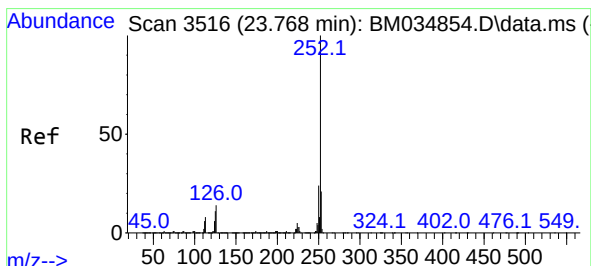
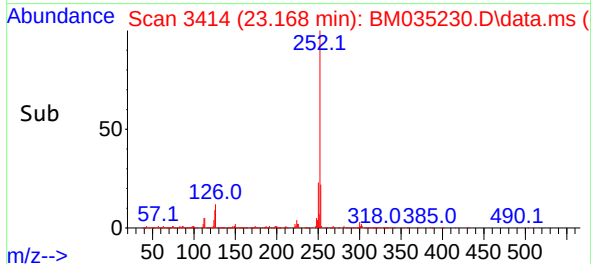
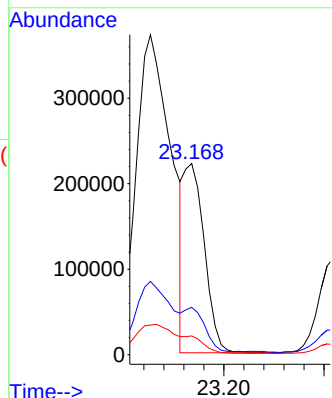
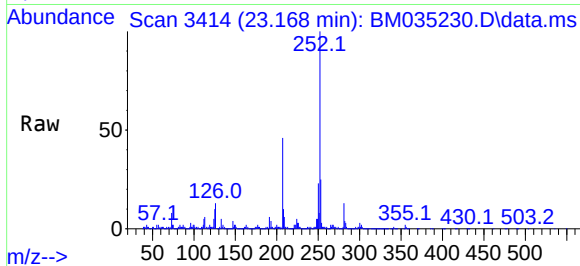
#89
Benzo(k)fluoranthene
Concen: 6.293 ng m
RT: 23.168 min Scan# 3419
Delta R.T. -0.012 min
Lab File: BM035230.D
Acq: 24 May 2022 21:45

Instrument :
BNA_M
ClientSampleId :
SB-10(1.5-2)

Tgt Ion:252 Resp: 314052
Ion Ratio Lower Upper
252 100
253 24.8 17.5 26.3
125 9.8 7.6 11.4

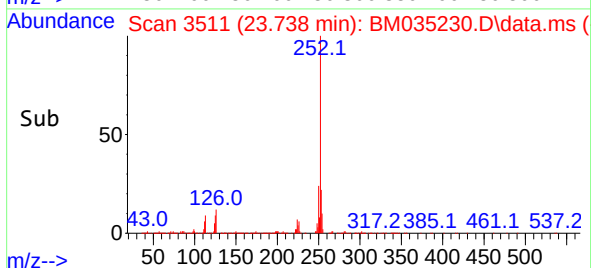
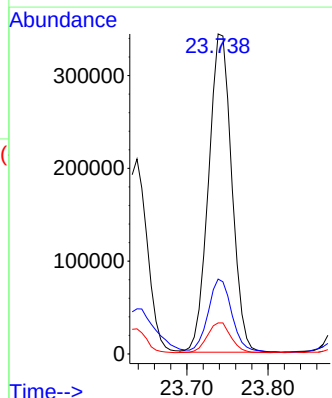
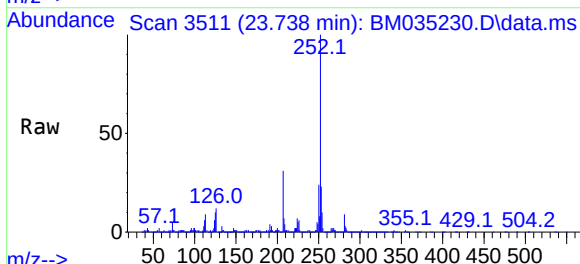
Manual Integrations
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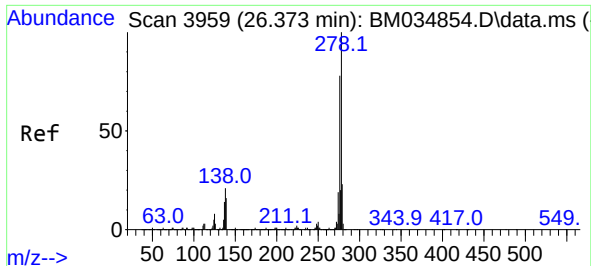
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#90
Benzo(a)pyrene
Concen: 16.623 ng
RT: 23.738 min Scan# 3511
Delta R.T. -0.012 min
Lab File: BM035230.D
Acq: 24 May 2022 21:45

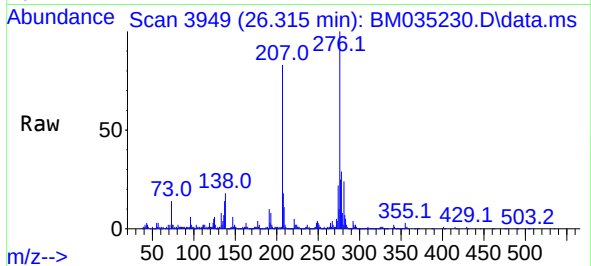
Tgt Ion:252 Resp: 680835
Ion Ratio Lower Upper
252 100
253 23.4 17.2 25.8
125 9.7 8.7 13.1





#91
Dibenzo(a,h)anthracene
Concen: 2.554 ng m
RT: 26.315 min Scan# 3949
Delta R.T. -0.035 min
Lab File: BM035230.D
Acq: 24 May 2022 21:45

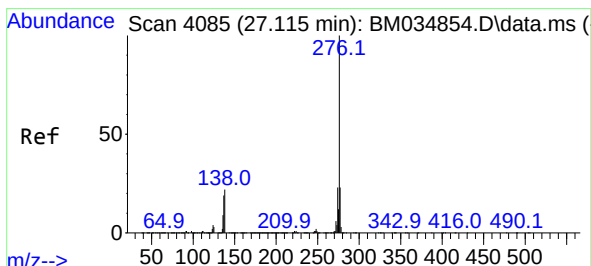
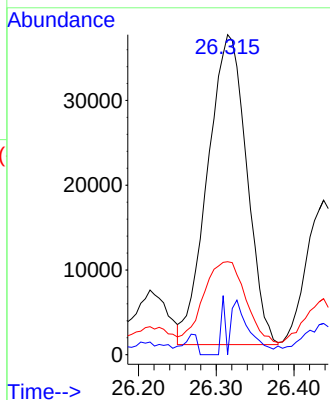
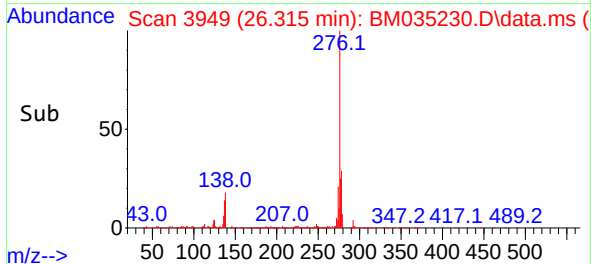
Instrument :
BNA_M
ClientSampleId :
SB-10(1.5-2)



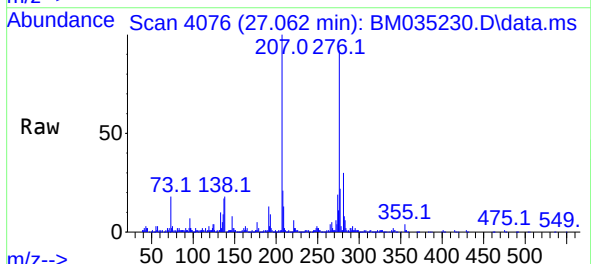
Tgt Ion:278 Resp: 127674
Ion Ratio Lower Upper
278 100
139 0.0 12.9 19.3
279 29.1 18.7 28.1

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: 6.880 ng
RT: 27.062 min Scan# 4076
Delta R.T. -0.030 min
Lab File: BM035230.D
Acq: 24 May 2022 21:45



Tgt Ion:276 Resp: 330450
Ion Ratio Lower Upper
276 100
277 24.0 18.7 28.1
138 19.4 17.6 26.4

