

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052422\
 Data File : BM035226.D
 Acq On : 24 May 2022 19:20
 Operator : CG/JU
 Sample : N2981-14
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-9(4.5-5)

Manual Integrations
 APPROVED

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

Quant Time: May 25 05:44:20 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	124715	20.000	ng	0.00
21) Naphthalene-d8	10.698	136	485690	20.000	ng	-0.01
39) Acenaphthene-d10	14.539	164	299818	20.000	ng	0.00
64) Phenanthrene-d10	17.280	188	628011	20.000	ng	0.00
76) Chrysene-d12	21.462	240	672896	20.000	ng	#-0.01
86) Perylene-d12	23.850	264	746005	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	694885	98.299	ng	0.00
7) Phenol-d6	7.069	99	879675	96.394	ng	0.00
23) Nitrobenzene-d5	9.057	82	584513	64.989	ng	0.00
42) 2,4,6-Tribromophenol	16.027	330	351500	107.775	ng	0.00
45) 2-Fluorobiphenyl	13.163	172	1349919	65.361	ng	0.00
79) Terphenyl-d14	19.903	244	2047446	58.914	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	17.321	178	70253	2.007	ng	99
75) Fluoranthene	19.339	202	145226	3.779	ng	98
78) Pyrene	19.703	202	127473	2.865	ng	99
81) Benzo(a)anthracene	21.450	228	110477	2.460	ng	99
83) Chrysene	21.503	228	89668	2.091	ng	97
88) Benzo(b)fluoranthene	23.127	252	122008m	2.600	ng	
90) Benzo(a)pyrene	23.744	252	93647	2.402	ng	98

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

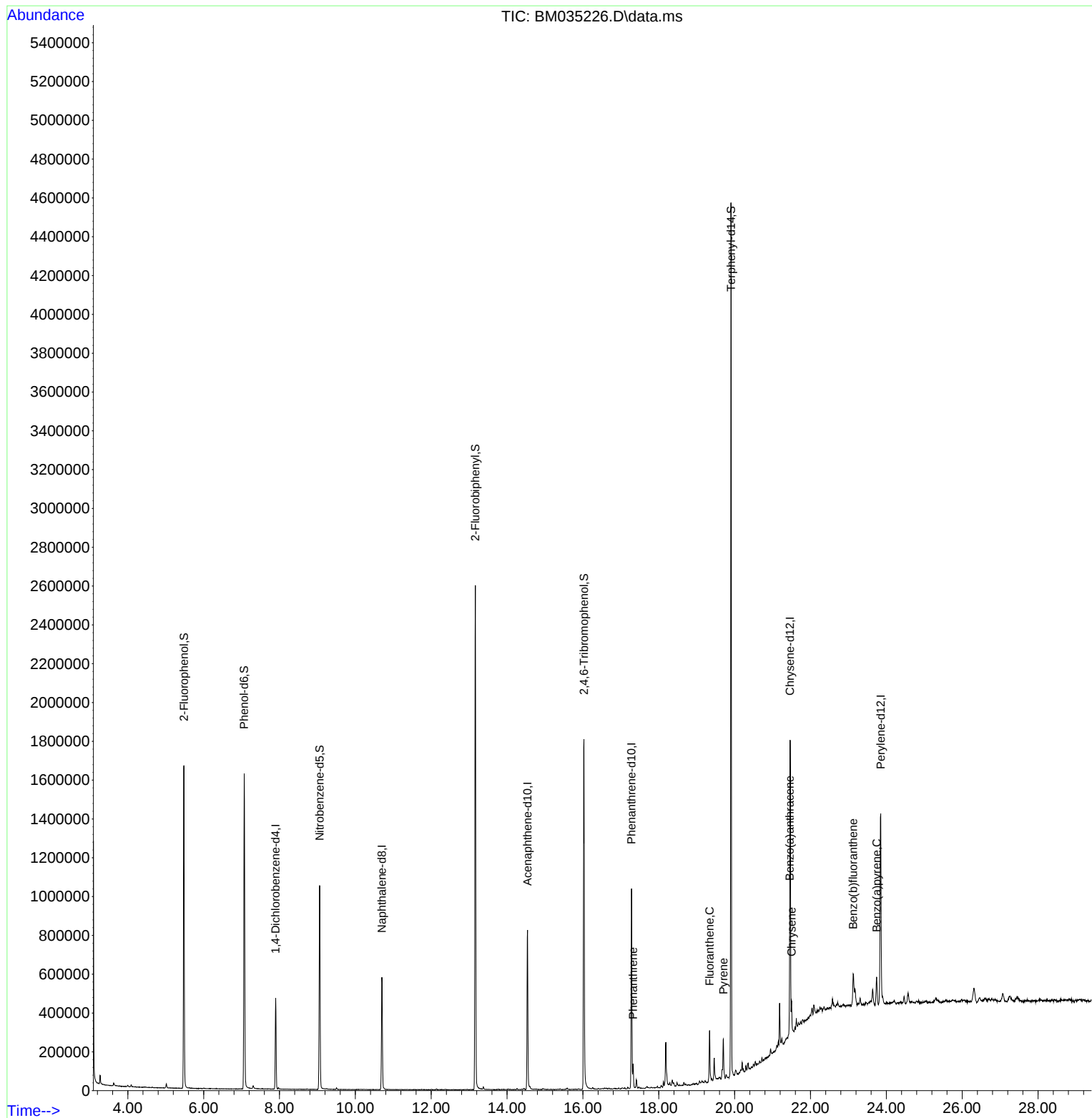
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052422\
Data File : BM035226.D
Acq On : 24 May 2022 19:20
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ALS Vial : 13 Sample Multiplier: 1

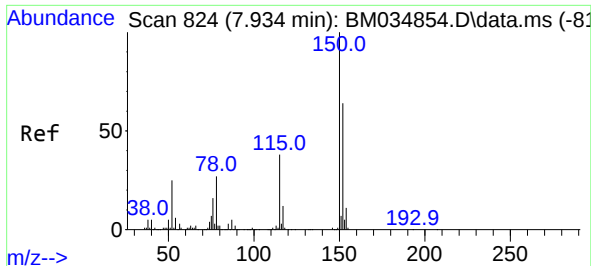
Instrument :
BNA_M
ClientSampleId :
SB-9(4.5-5)

Quant Time: May 25 05:44:20 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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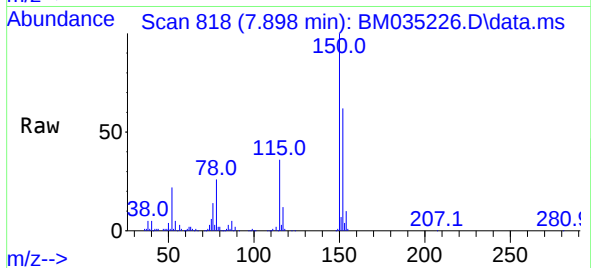
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.898 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM035226.D
Acq: 24 May 2022 19:20

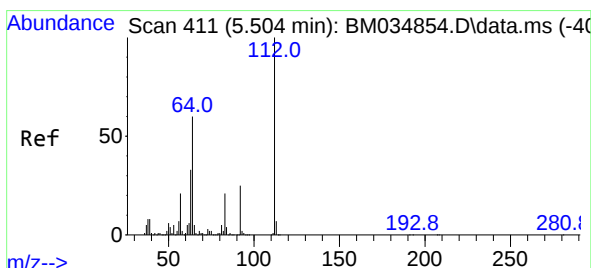
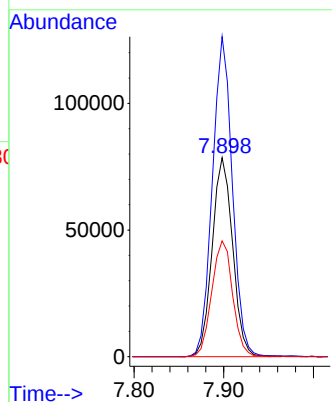
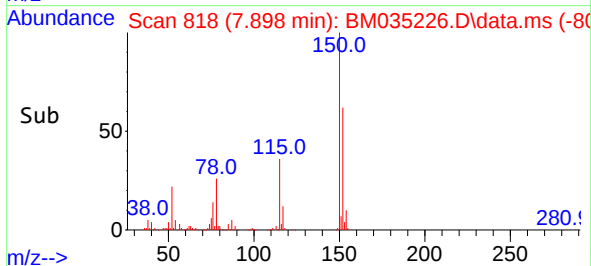
Instrument :
BNA_M
ClientSampleId :
SB-9(4.5-5)



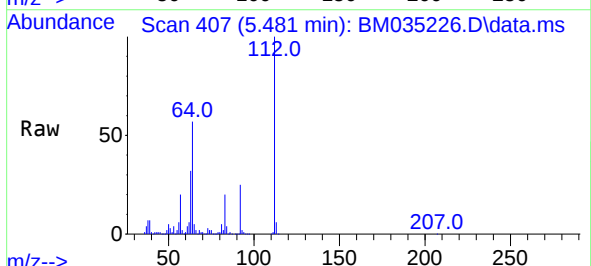
Tgt Ion:152 Resp: 124715
Ion Ratio Lower Upper
152 100
150 160.7 124.9 187.3
115 58.2 47.9 71.9

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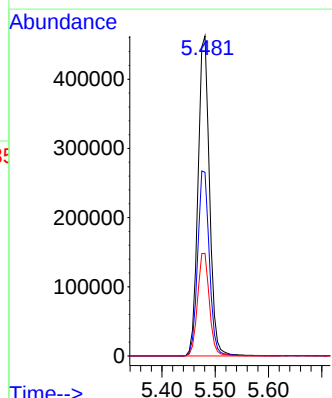
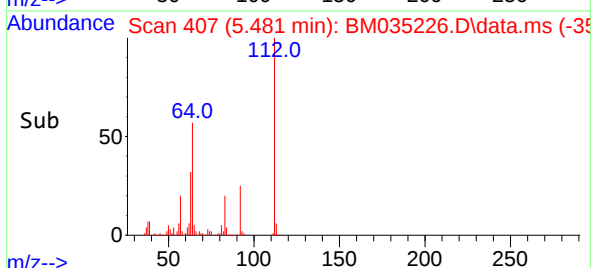
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#5
2-Fluorophenol
Concen: 98.299 ng
RT: 5.481 min Scan# 407
Delta R.T. -0.000 min
Lab File: BM035226.D
Acq: 24 May 2022 19:20



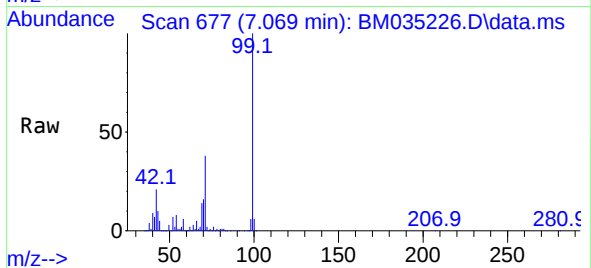
Tgt Ion:112 Resp: 694885
Ion Ratio Lower Upper
112 100
64 57.4 47.8 71.6
63 32.0 26.6 40.0





#7
Phenol-d6
Concen: 96.394 ng
RT: 7.069 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM035226.D
Acq: 24 May 2022 19:20

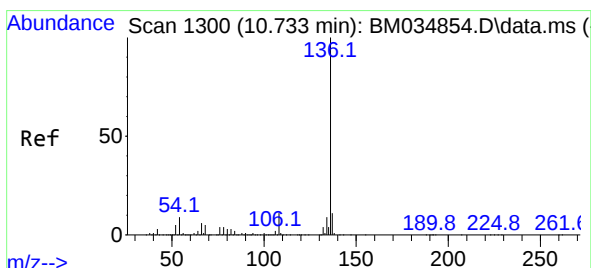
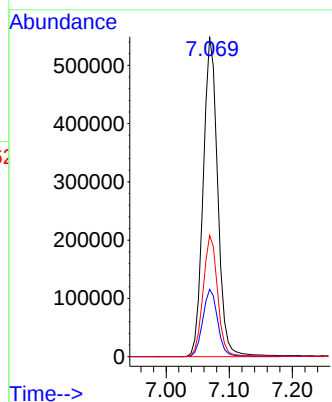
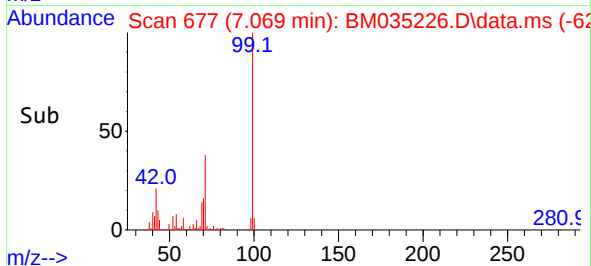
Instrument :
BNA_M
ClientSampleId :
SB-9(4.5-5)



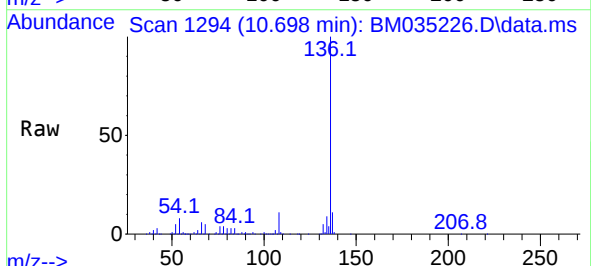
Tgt Ion: 99 Resp: 87967
Ion Ratio Lower Upper
99 100
42 21.1 18.8 28.2
71 37.9 30.2 45.2

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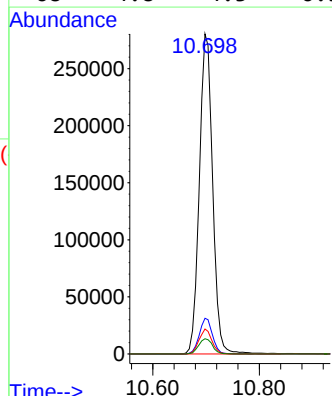
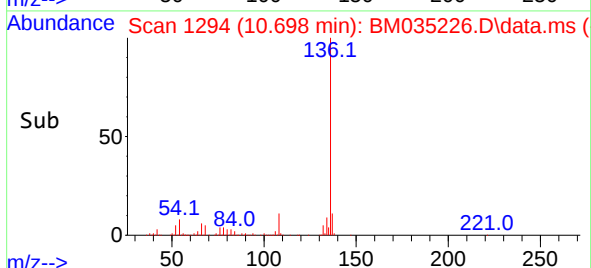
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.698 min Scan# 1294
Delta R.T. -0.012 min
Lab File: BM035226.D
Acq: 24 May 2022 19:20



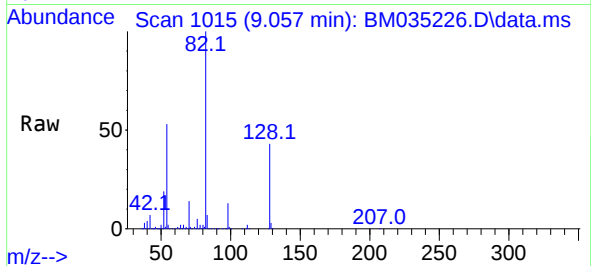
Tgt Ion:136 Resp: 485690
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.8 7.0 10.4
68 4.8 4.3 6.5





#23
Nitrobenzene-d5
Concen: 64.989 ng
RT: 9.057 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BM035226.D
Acq: 24 May 2022 19:20

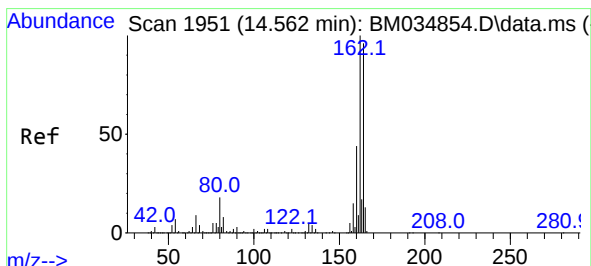
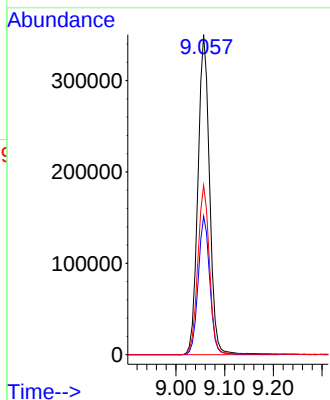
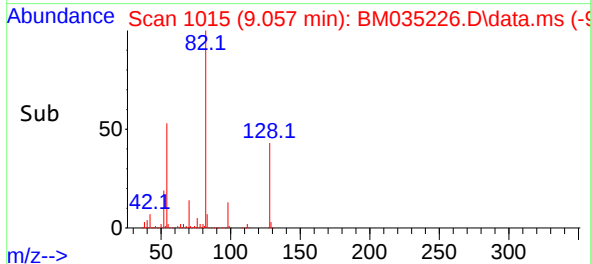
Instrument :
BNA_M
ClientSampleId :
SB-9(4.5-5)



Tgt Ion: 82 Resp: 58451
Ion Ratio Lower Upper
82 100
128 43.2 33.7 50.5
54 52.9 43.2 64.8

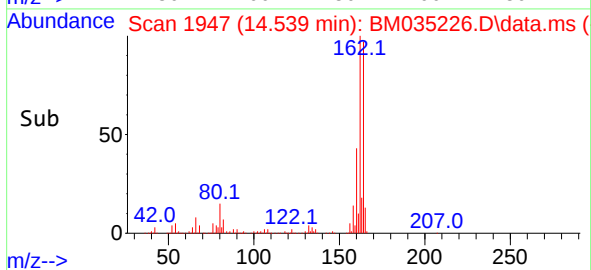
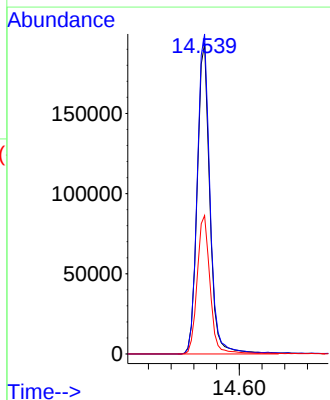
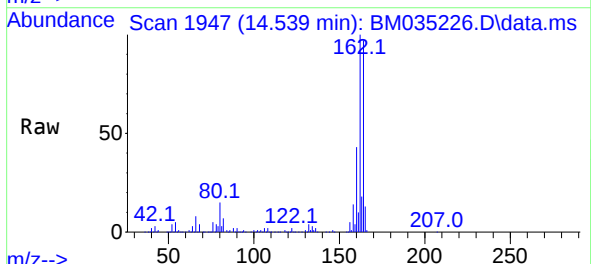
Manual Integrations
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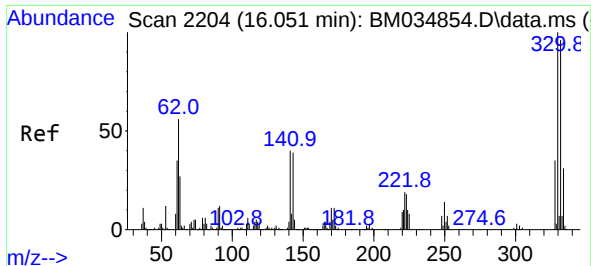
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.539 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BM035226.D
Acq: 24 May 2022 19:20

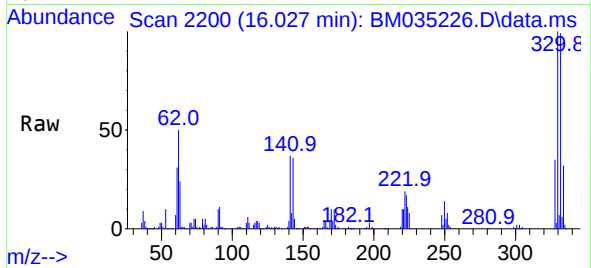
Tgt Ion:164 Resp: 299818
Ion Ratio Lower Upper
164 100
162 103.1 83.0 124.6
160 44.6 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 107.775 ng
RT: 16.027 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM035226.D
Acq: 24 May 2022 19:20

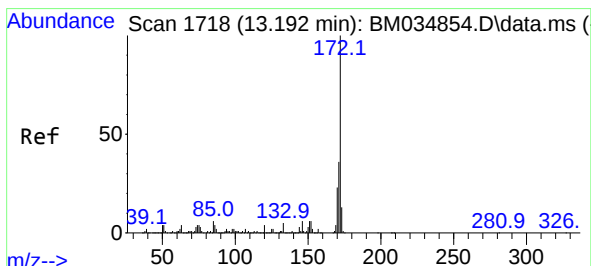
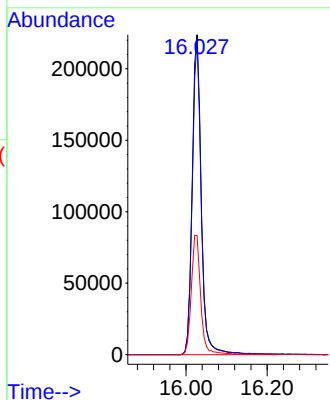
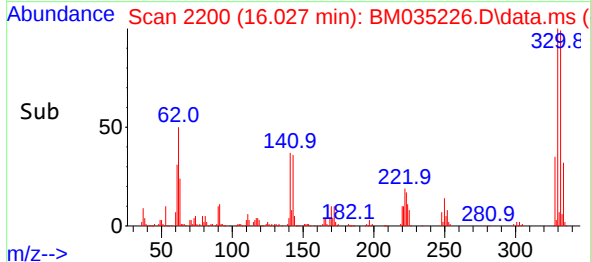
Instrument :
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ClientSampleId :
SB-9(4.5-5)



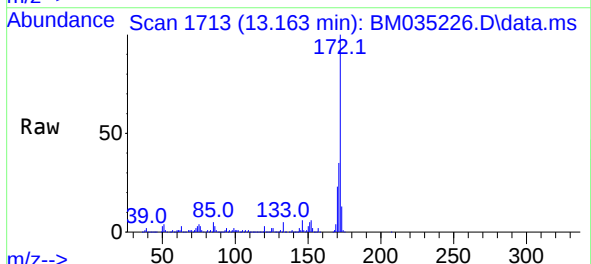
Tgt Ion:330 Resp: 351500
Ion Ratio Lower Upper
330 100
332 95.9 77.0 115.4
141 38.5 35.3 52.9

Manual Integrations
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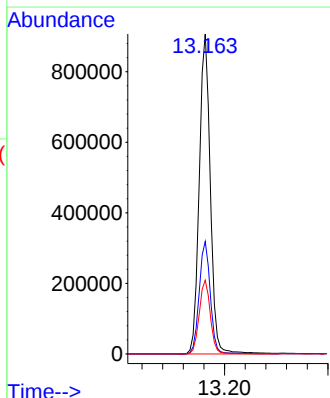
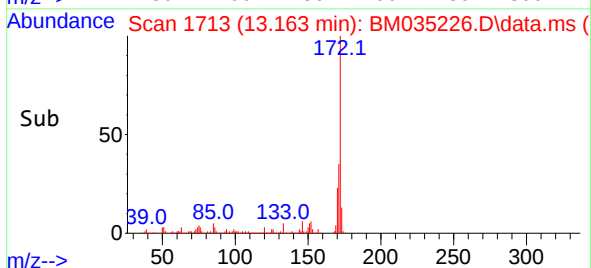
Reviewed By :Christian Giraldo 05/25/2022
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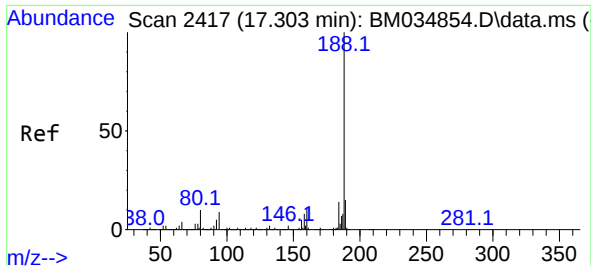


#45
2-Fluorobiphenyl
Concen: 65.361 ng
RT: 13.163 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BM035226.D
Acq: 24 May 2022 19:20



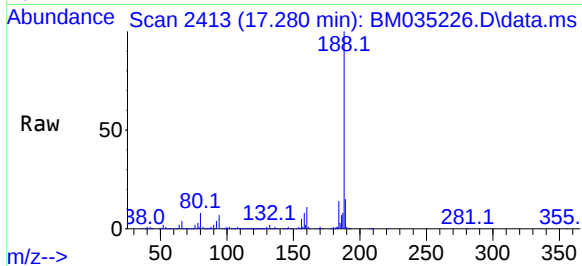
Tgt Ion:172 Resp: 1349919
Ion Ratio Lower Upper
172 100
171 35.2 28.5 42.7
170 23.0 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.280 min Scan# 2417
Delta R.T. -0.006 min
Lab File: BM035226.D
Acq: 24 May 2022 19:20

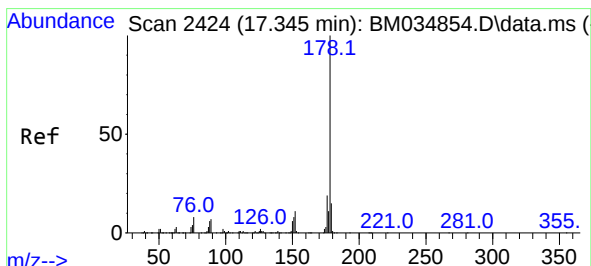
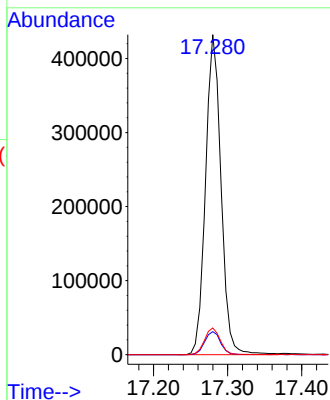
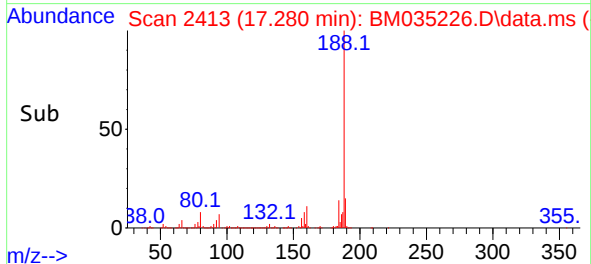
Instrument :
BNA_M
ClientSampleId :
SB-9(4.5-5)



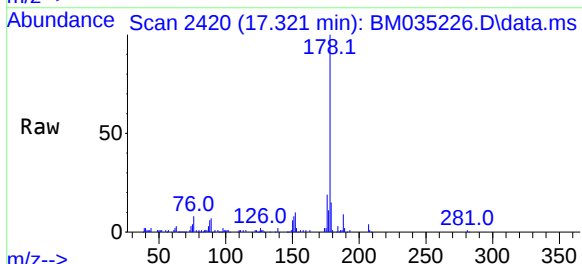
Tgt Ion:188 Resp: 62801
Ion Ratio Lower Upper
188 100
94 7.2 7.0 10.4
80 8.4 7.6 11.4

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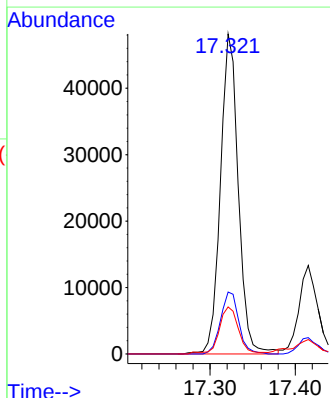
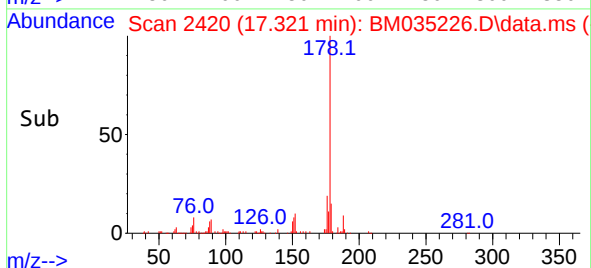
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

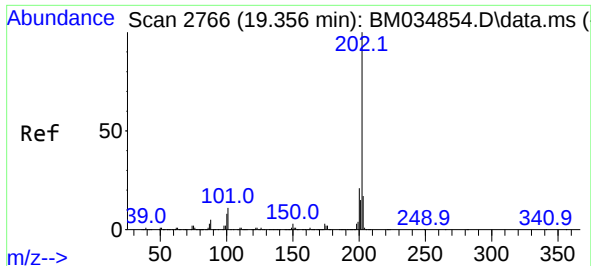


#71
Phenanthrene
Concen: 2.007 ng
RT: 17.321 min Scan# 2420
Delta R.T. -0.006 min
Lab File: BM035226.D
Acq: 24 May 2022 19:20



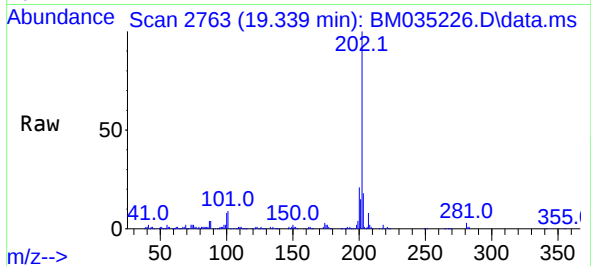
Tgt Ion:178 Resp: 70253
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 14.7 12.4 18.6





#75
Fluoranthene
Concen: 3.779 ng
RT: 19.339 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM035226.D
Acq: 24 May 2022 19:20

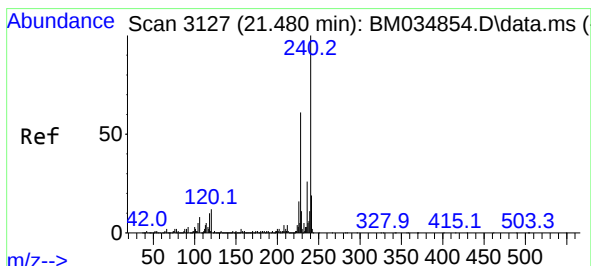
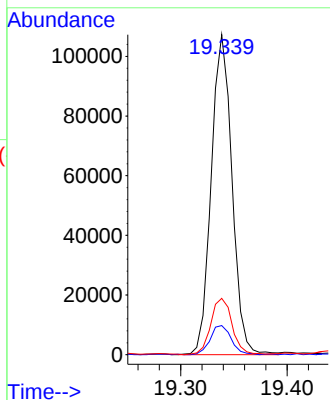
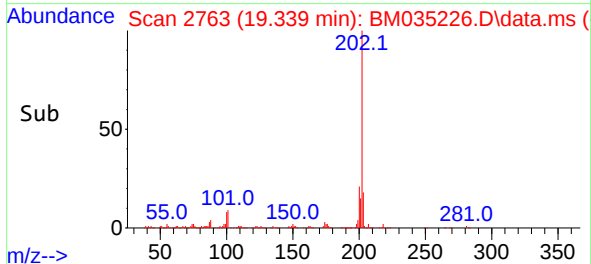
Instrument :
BNA_M
ClientSampleId :
SB-9(4.5-5)



Tgt Ion:202 Resp: 145220
Ion Ratio Lower Upper
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101 9.1 0.0 30.6
203 17.6 0.0 37.4

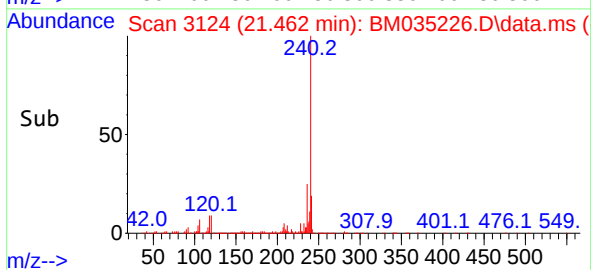
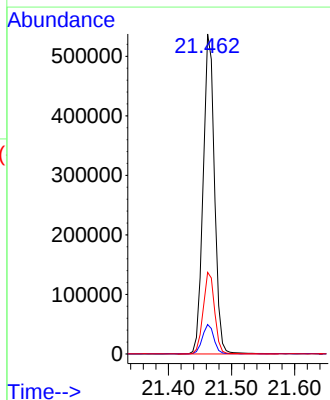
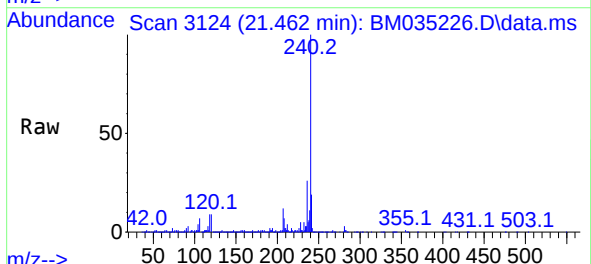
Manual Integrations
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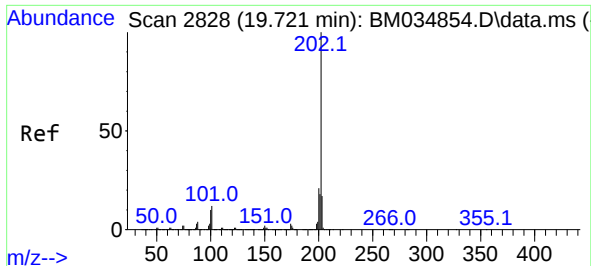
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.462 min Scan# 3124
Delta R.T. -0.012 min
Lab File: BM035226.D
Acq: 24 May 2022 19:20

Tgt Ion:240 Resp: 672896
Ion Ratio Lower Upper
240 100
120 9.2 9.4 14.0#
236 25.5 20.6 30.8





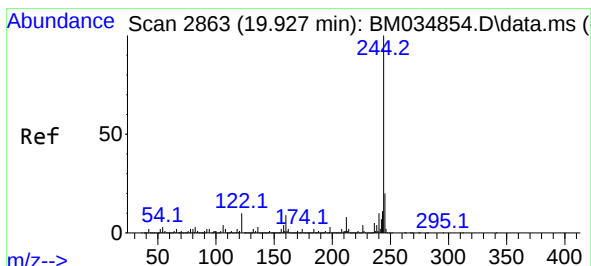
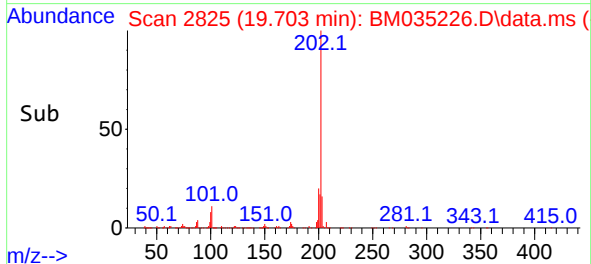
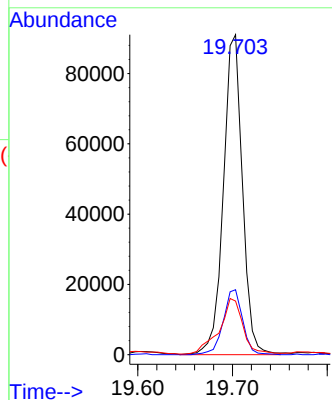
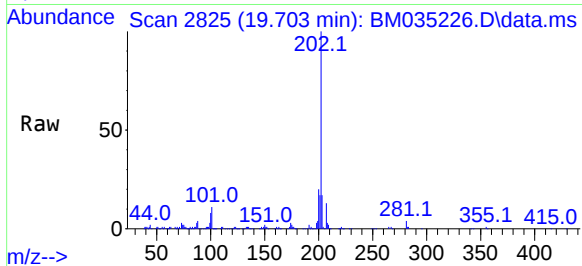
#78
Pyrene
Concen: 2.865 ng
RT: 19.703 min Scan# 2825
Delta R.T. -0.006 min
Lab File: BM035226.D
Acq: 24 May 2022 19:20

Instrument :
BNA_M
ClientSampleId :
SB-9(4.5-5)

Tgt Ion:202 Resp: 12747
Ion Ratio Lower Upper
202 100
200 20.3 16.7 25.1
203 16.8 13.9 20.9

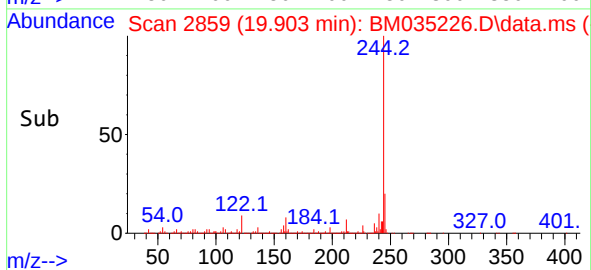
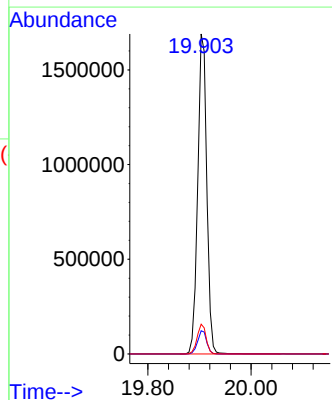
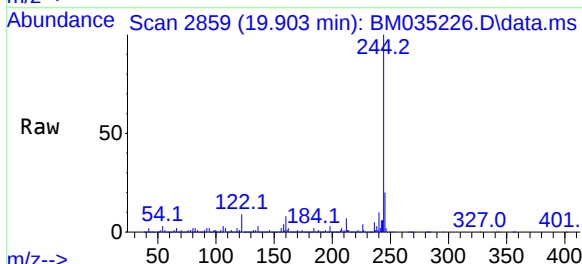
Manual Integrations
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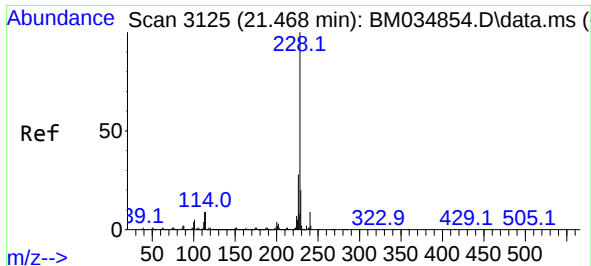
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#79
Terphenyl-d14
Concen: 58.914 ng
RT: 19.903 min Scan# 2859
Delta R.T. -0.012 min
Lab File: BM035226.D
Acq: 24 May 2022 19:20

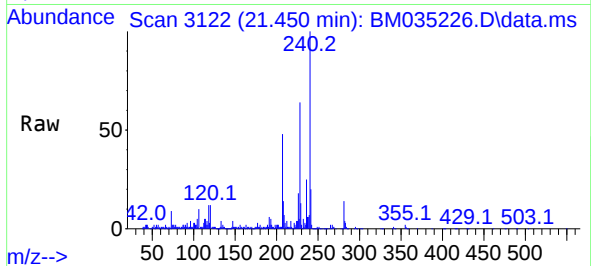
Tgt Ion:244 Resp: 2047446
Ion Ratio Lower Upper
244 100
212 7.3 6.2 9.4
122 9.3 8.3 12.5





#81
Benzo(a)anthracene
Concen: 2.460 ng
RT: 21.450 min Scan# 3125
Delta R.T. -0.006 min
Lab File: BM035226.D
Acq: 24 May 2022 19:20

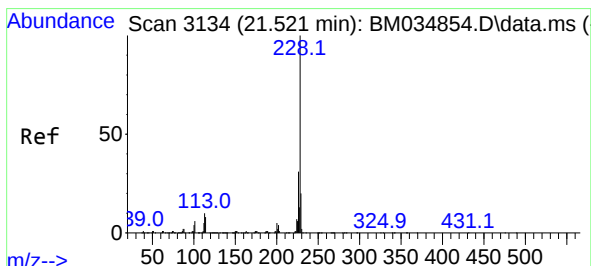
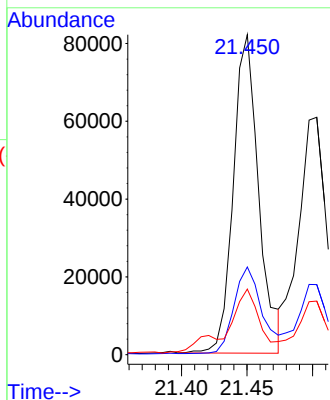
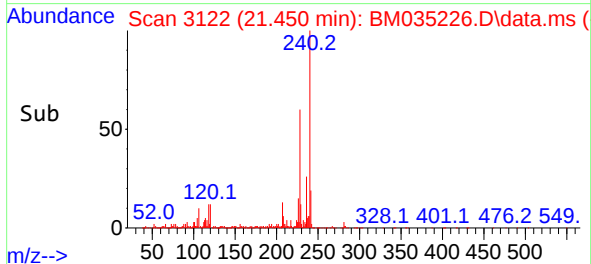
Instrument :
BNA_M
ClientSampleId :
SB-9(4.5-5)



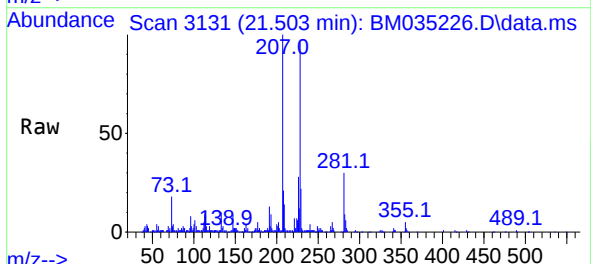
Tgt Ion:228 Resp: 11047
Ion Ratio Lower Upper
228 100
226 27.4 22.3 33.5
229 20.5 15.8 23.6

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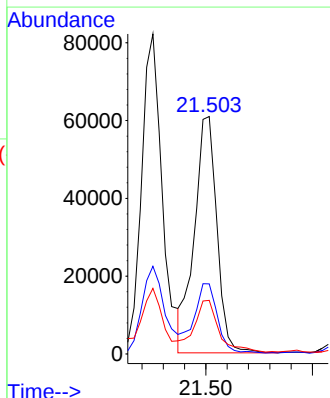
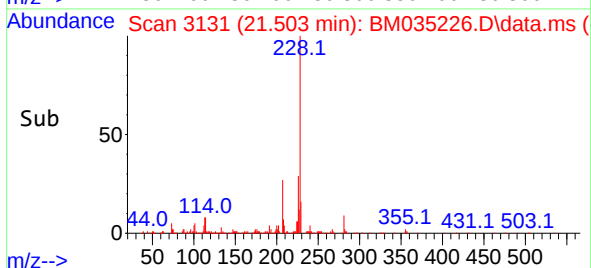
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

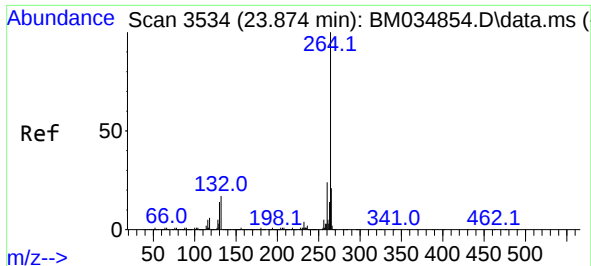


#83
Chrysene
Concen: 2.091 ng
RT: 21.503 min Scan# 3131
Delta R.T. -0.006 min
Lab File: BM035226.D
Acq: 24 May 2022 19:20



Tgt Ion:228 Resp: 89668
Ion Ratio Lower Upper
228 100
226 29.5 24.4 36.6
229 22.6 15.8 23.8





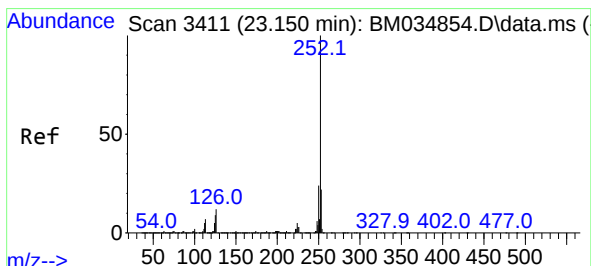
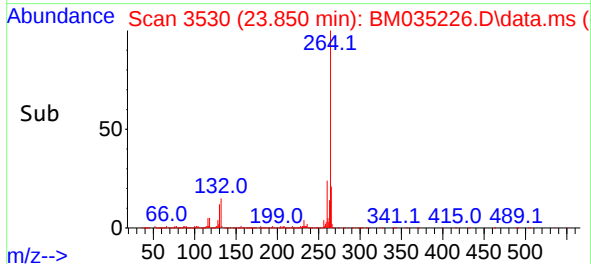
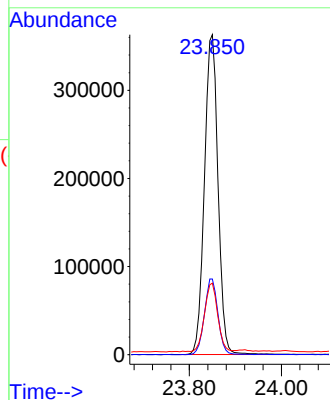
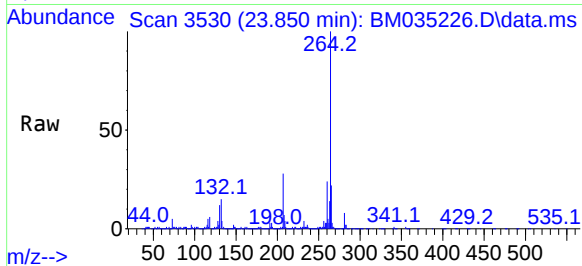
#86
Perylene-d12
Concen: 20.000 ng
RT: 23.850 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM035226.D
Acq: 24 May 2022 19:20

Instrument :
BNA_M
ClientSampleId :
SB-9(4.5-5)

Tgt Ion:264 Resp: 746000
Ion Ratio Lower Upper
264 100
260 23.6 18.9 28.3
265 22.3 17.5 26.3

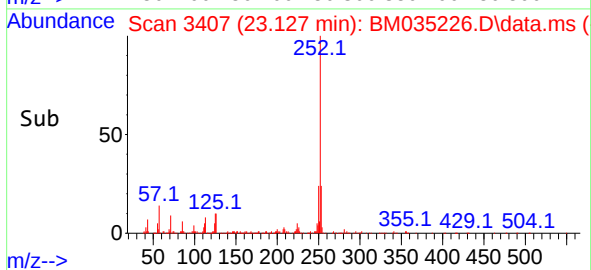
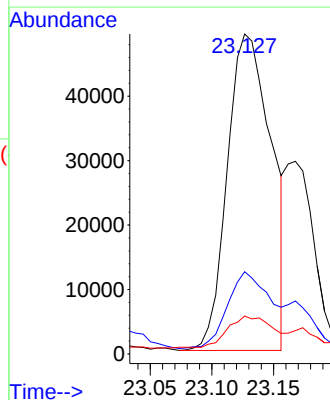
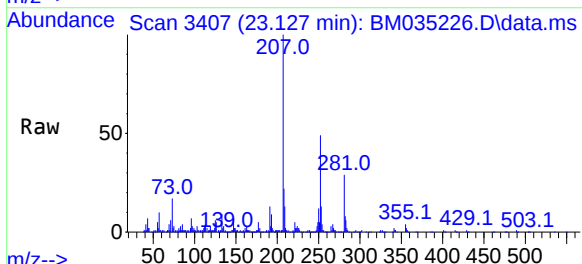
Manual Integrations
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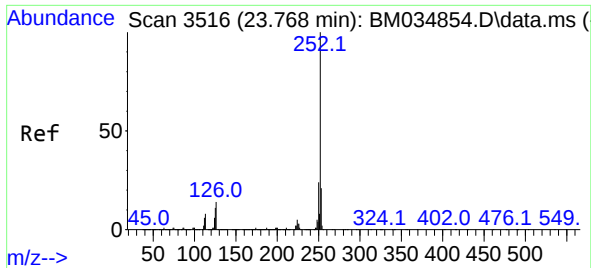
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#88
Benzo(b)fluoranthene
Concen: 2.600 ng m
RT: 23.127 min Scan# 3407
Delta R.T. -0.006 min
Lab File: BM035226.D
Acq: 24 May 2022 19:20

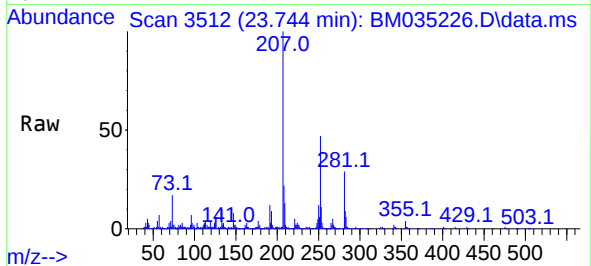
Tgt Ion:252 Resp: 122008
Ion Ratio Lower Upper
252 100
253 25.7 17.6 26.4
125 11.9 7.6 11.4#





#90
Benzo(a)pyrene
Concen: 2.402 ng
RT: 23.744 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM035226.D
Acq: 24 May 2022 19:20

Instrument :
BNA_M
ClientSampleId :
SB-9(4.5-5)



Tgt Ion:252 Resp: 9364
Ion Ratio Lower Upper
252 100
253 23.0 17.2 25.8
125 10.7 8.7 13.1

Manual Integrations
APPROVED

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

