

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052422\
 Data File : BM035231.D
 Acq On : 24 May 2022 22:21
 Operator : CG/JU
 Sample : N2981-09
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-11(0.5-1)

Manual Integrations
 APPROVED

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

Quant Time: May 25 05:44:53 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	132337	20.000	ng	0.00
21) Naphthalene-d8	10.698	136	505280	20.000	ng	-0.01
39) Acenaphthene-d10	14.533	164	295269	20.000	ng	-0.01
64) Phenanthrene-d10	17.280	188	621294	20.000	ng	0.00
76) Chrysene-d12	21.462	240	683117	20.000	ng	-0.01
86) Perylene-d12	23.844	264	738327	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	805973	107.446	ng	0.00
7) Phenol-d6	7.069	99	985025	101.721	ng	0.00
23) Nitrobenzene-d5	9.057	82	662087	70.760	ng	0.00
42) 2,4,6-Tribromophenol	16.021	330	372406	115.944	ng	-0.01
45) 2-Fluorobiphenyl	13.163	172	1486529	73.084	ng	0.00
79) Terphenyl-d14	19.903	244	2232021	63.264	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.321	178	165136	4.769	ng	99
75) Fluoranthene	19.339	202	430751	11.329	ng	98
78) Pyrene	19.698	202	376541	8.335	ng	99
81) Benzo(a)anthracene	21.445	228	273016	5.990	ng	99
83) Chrysene	21.497	228	245514	5.639	ng	97
87) Indeno(1,2,3-cd)pyrene	26.309	276	193576	3.448	ng	# 95
88) Benzo(b)fluoranthene	23.121	252	363364	7.825	ng	# 95
89) Benzo(k)fluoranthene	23.162	252	136803m	2.910	ng	
90) Benzo(a)pyrene	23.739	252	273670	7.094	ng	98
92) Benzo(g,h,i)perylene	27.074	276	189785	4.195	ng	96

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

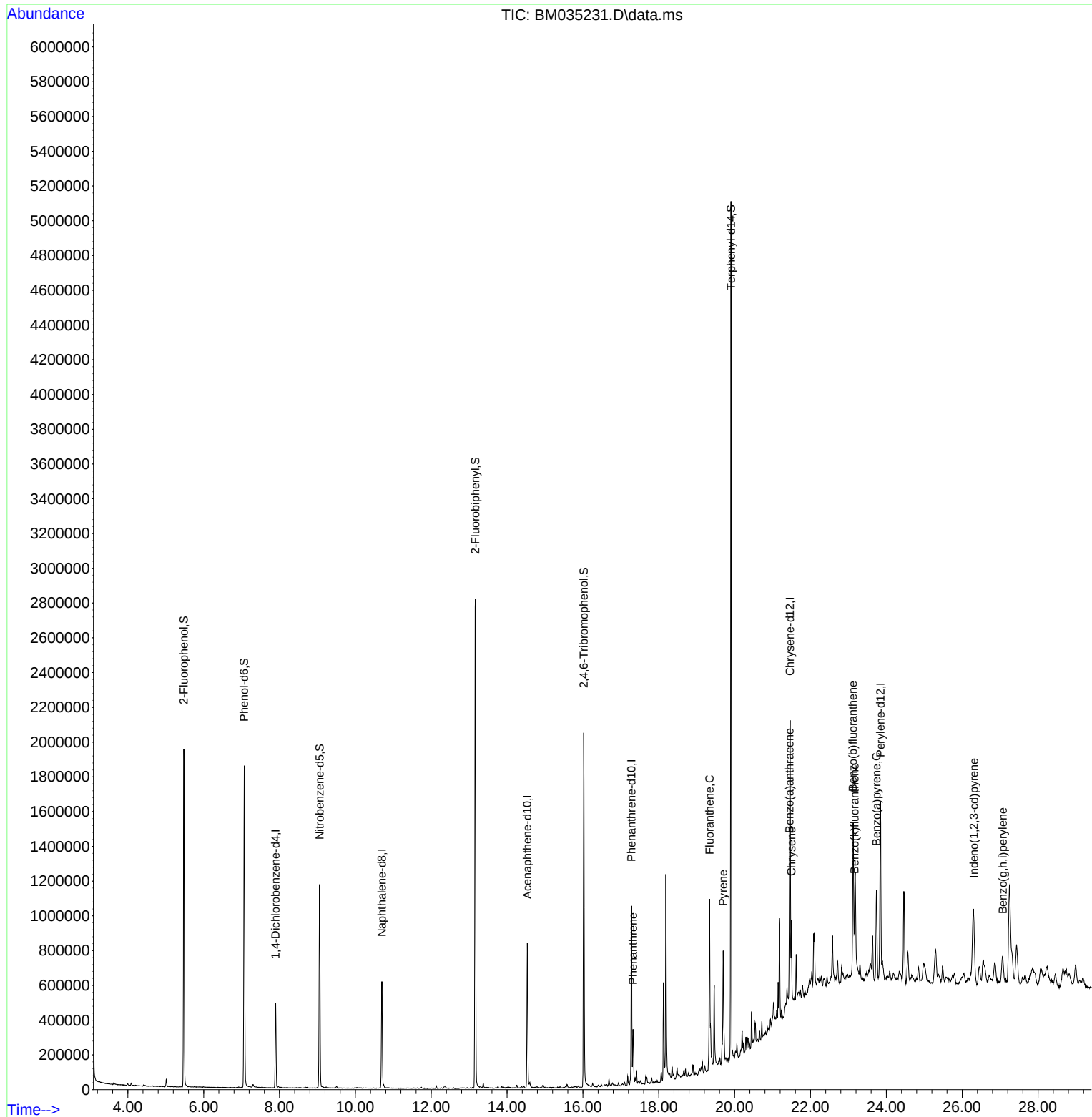
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052422\
Data File : BM035231.D
Acq On : 24 May 2022 22:21
Operator : CG/JU
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ALS Vial : 18 Sample Multiplier: 1

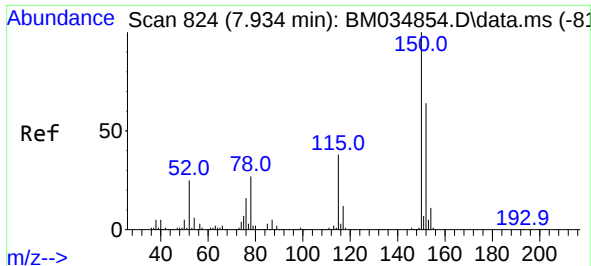
Instrument :
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ClientSampleId :
SB-11(0.5-1)

Quant Time: May 25 05:44:53 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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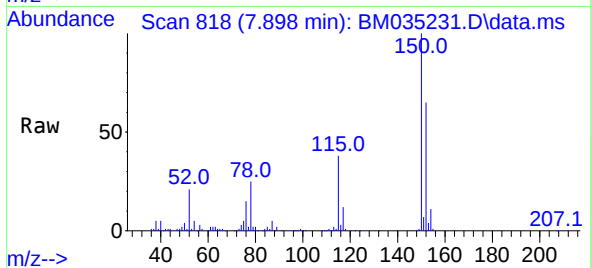
Reviewed By : Christian Giraldo 05/25/2022
Supervised By : Jagrut Upadhyay 05/25/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.898 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM035231.D
Acq: 24 May 2022 22:21

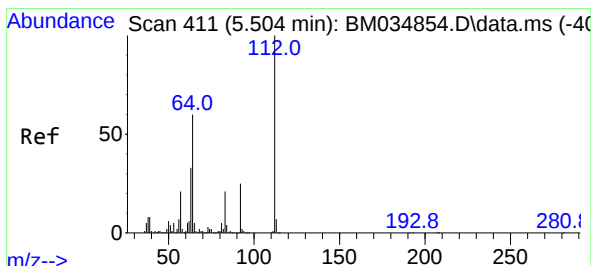
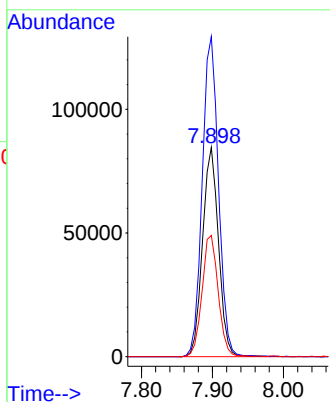
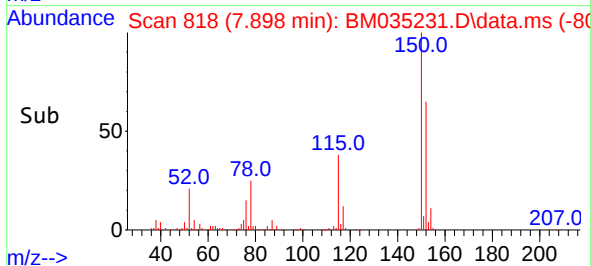
Instrument :
BNA_M
ClientSampleId :
SB-11(0.5-1)



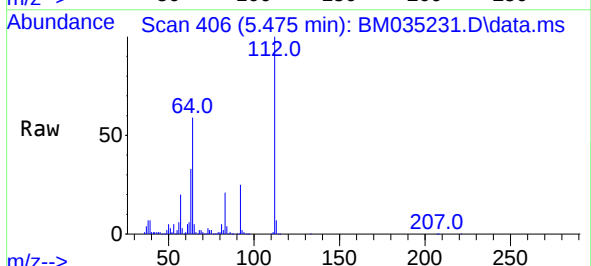
Tgt Ion:152 Resp: 13233
Ion Ratio Lower Upper
152 100
150 152.9 124.9 187.3
115 58.0 47.9 71.9

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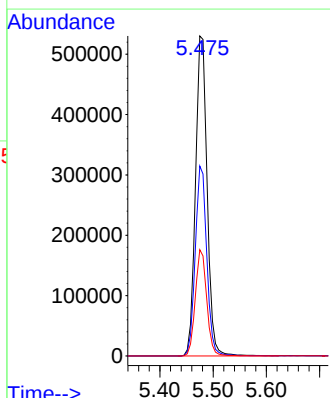
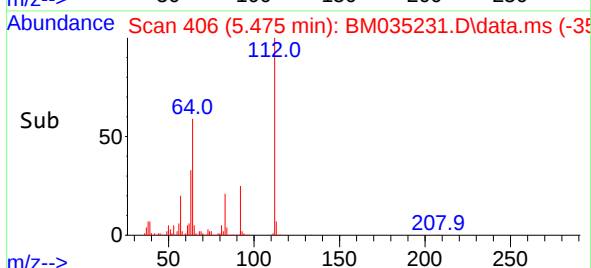
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

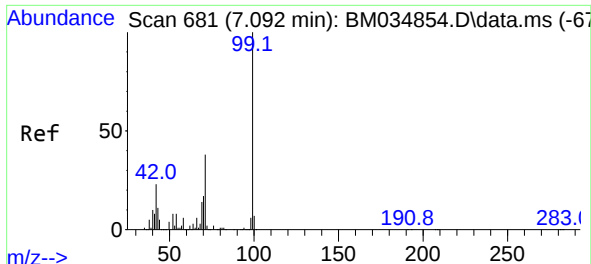


#5
2-Fluorophenol
Concen: 107.446 ng
RT: 5.475 min Scan# 406
Delta R.T. -0.006 min
Lab File: BM035231.D
Acq: 24 May 2022 22:21



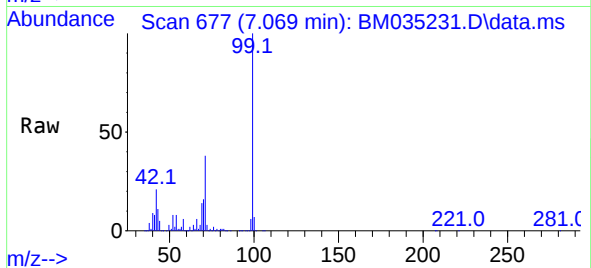
Tgt Ion:112 Resp: 805973
Ion Ratio Lower Upper
112 100
64 59.3 47.8 71.6
63 33.2 26.6 40.0





#7
Phenol-d6
Concen: 101.721 ng
RT: 7.069 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM035231.D
Acq: 24 May 2022 22:21

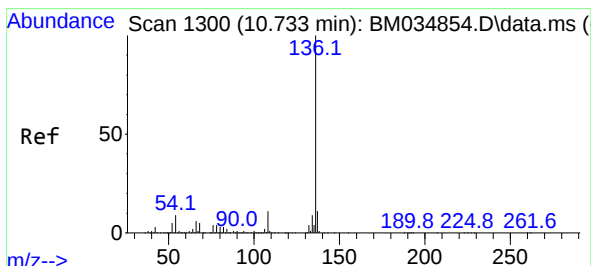
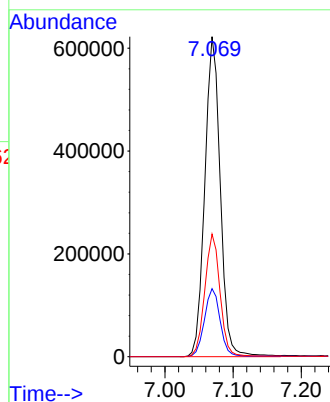
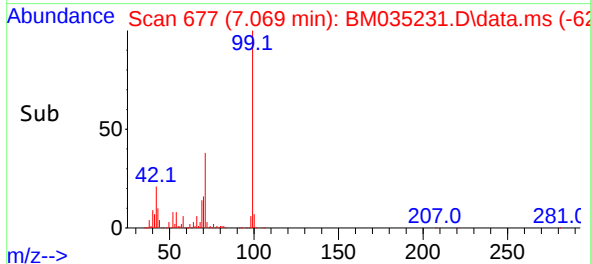
Instrument :
BNA_M
ClientSampleId :
SB-11(0.5-1)



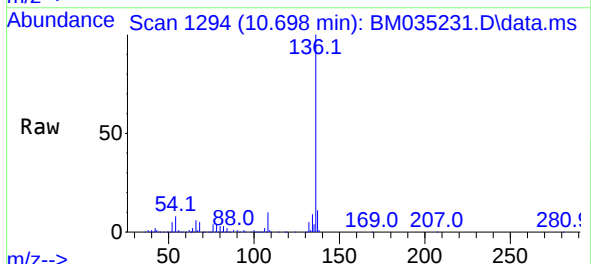
Tgt Ion: 99 Resp: 98502
Ion Ratio Lower Upper
99 100
42 21.3 18.8 28.2
71 38.3 30.2 45.2

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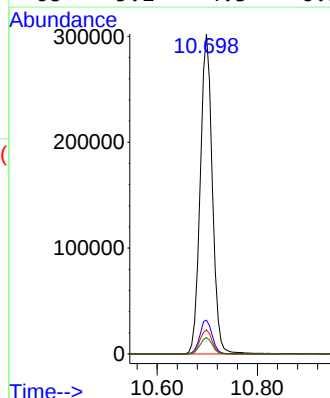
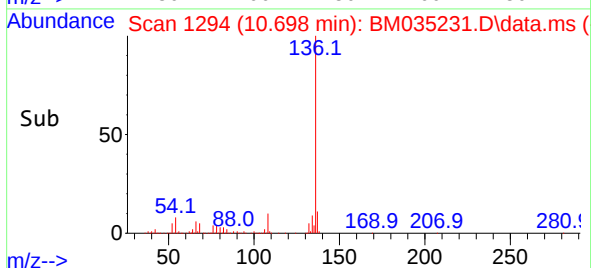
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

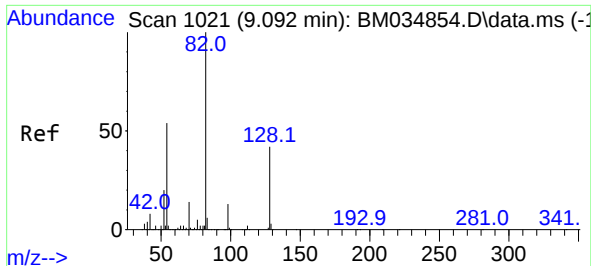


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.698 min Scan# 1294
Delta R.T. -0.012 min
Lab File: BM035231.D
Acq: 24 May 2022 22:21



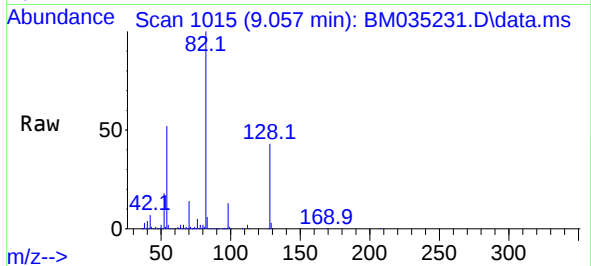
Tgt Ion:136 Resp: 505280
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 7.6 7.0 10.4
68 5.1 4.3 6.5





#23
Nitrobenzene-d5
Concen: 70.760 ng
RT: 9.057 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BM035231.D
Acq: 24 May 2022 22:21

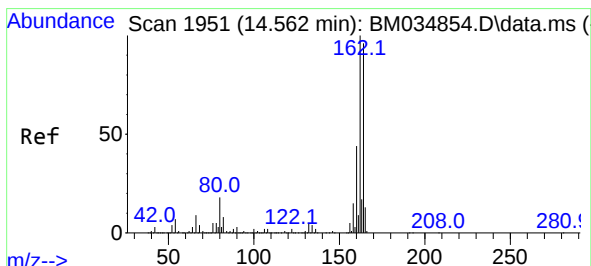
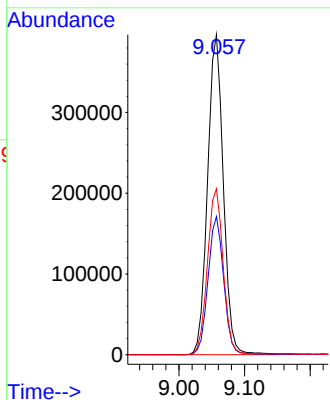
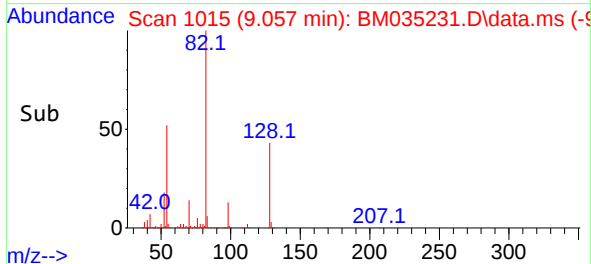
Instrument :
BNA_M
ClientSampleId :
SB-11(0.5-1)



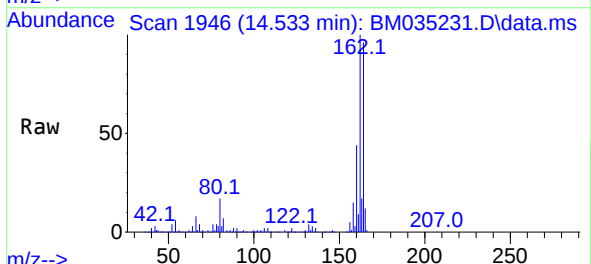
Tgt Ion: 82 Resp: 66208
Ion Ratio Lower Upper
82 100
128 43.1 33.7 50.5
54 51.8 43.2 64.8

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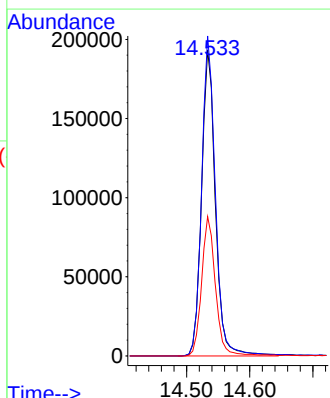
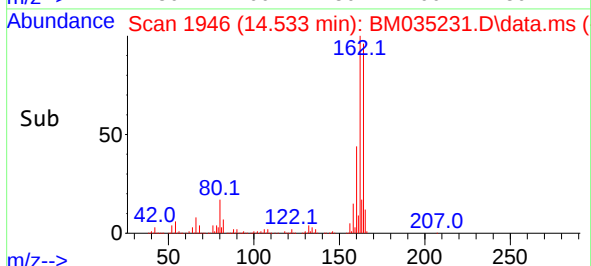
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

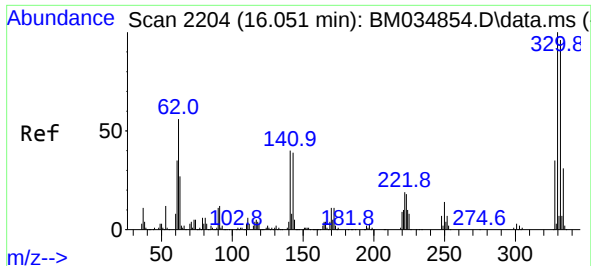


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.533 min Scan# 1946
Delta R.T. -0.012 min
Lab File: BM035231.D
Acq: 24 May 2022 22:21



Tgt Ion:164 Resp: 295269
Ion Ratio Lower Upper
164 100
162 104.6 83.0 124.6
160 45.5 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 115.944 ng
RT: 16.021 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM035231.D
Acq: 24 May 2022 22:21

Instrument :

BNA_M

ClientSampleId :

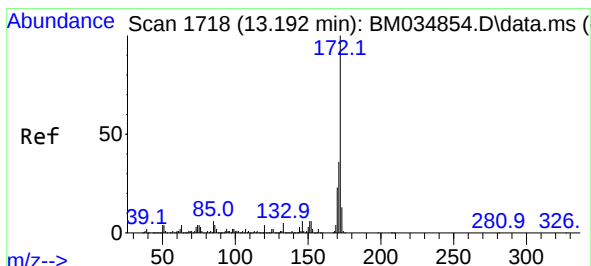
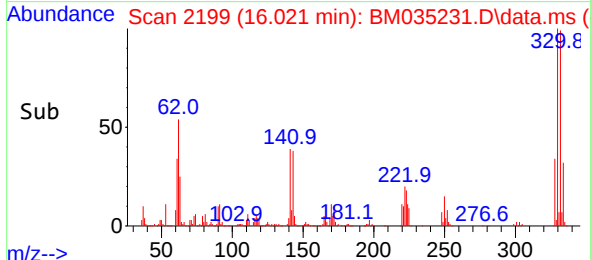
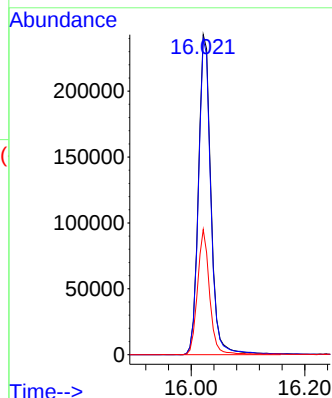
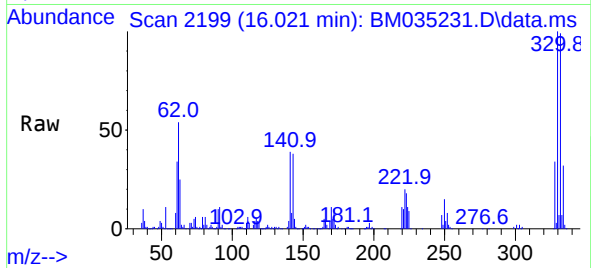
SB-11(0.5-1)

Tgt Ion:330 Resp: 372400
Ion Ratio Lower Upper
330 100
332 97.8 77.0 115.4
141 37.7 35.3 52.9

Manual Integrations

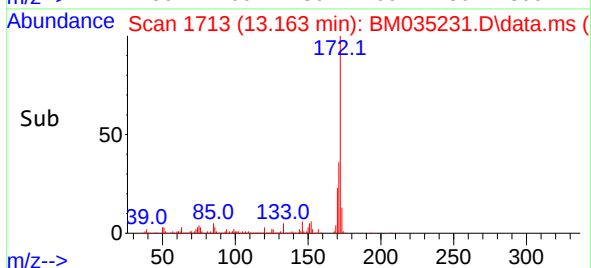
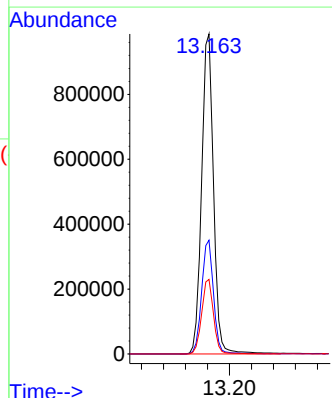
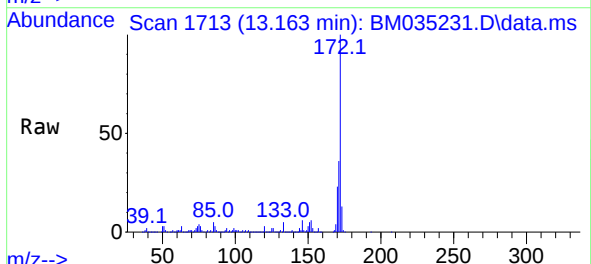
APPROVED

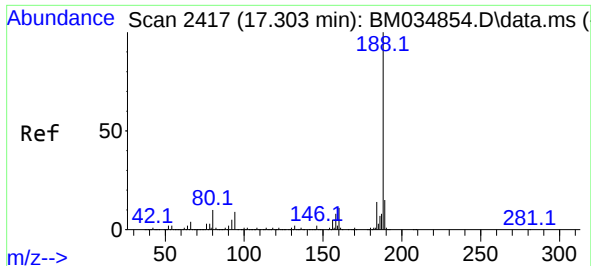
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#45
2-Fluorobiphenyl
Concen: 73.084 ng
RT: 13.163 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BM035231.D
Acq: 24 May 2022 22:21

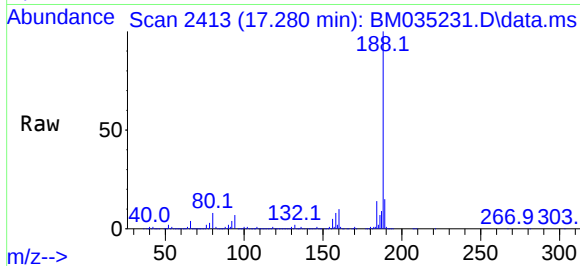
Tgt Ion:172 Resp: 1486529
Ion Ratio Lower Upper
172 100
171 35.6 28.5 42.7
170 23.3 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.280 min Scan# 2417
Delta R.T. -0.006 min
Lab File: BM035231.D
Acq: 24 May 2022 22:21

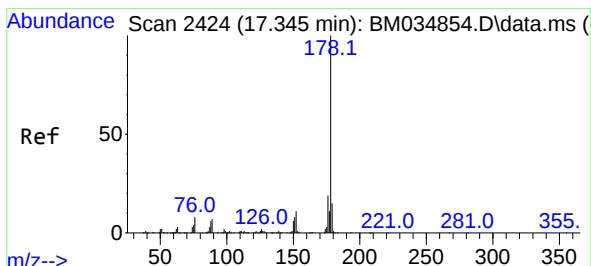
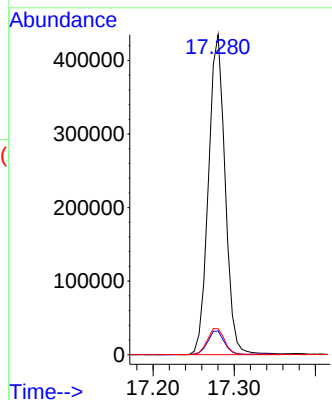
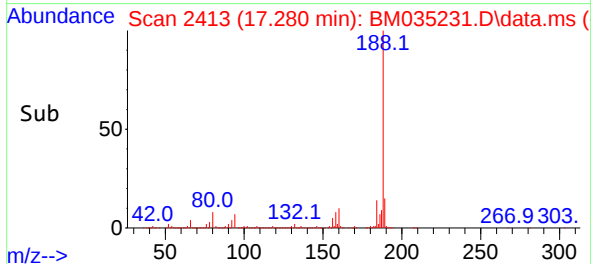
Instrument :
BNA_M
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SB-11(0.5-1)



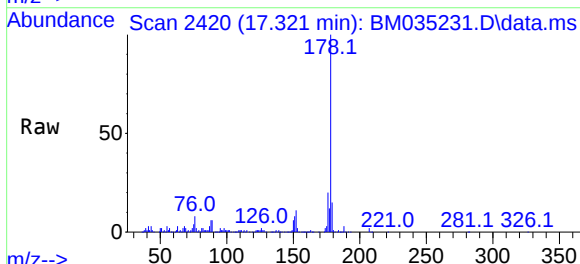
Tgt Ion:188 Resp: 621294
Ion Ratio Lower Upper
188 100
94 7.4 7.0 10.4
80 8.1 7.6 11.4

Manual Integrations
APPROVED

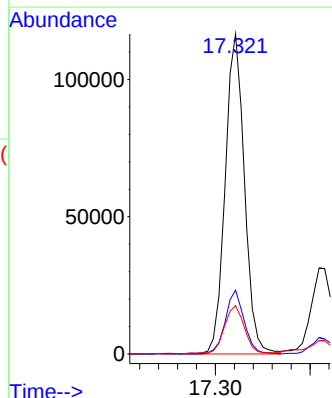
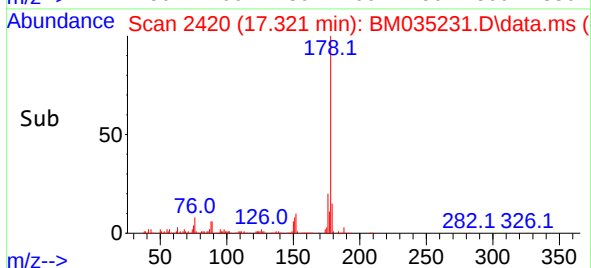
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

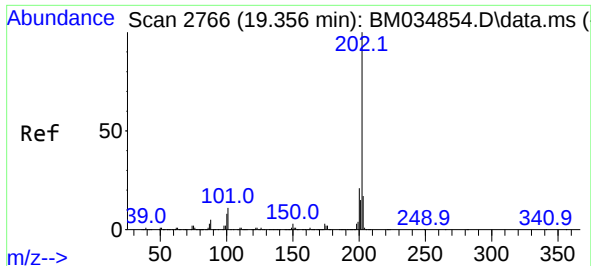


#71
Phenanthrene
Concen: 4.769 ng
RT: 17.321 min Scan# 2420
Delta R.T. -0.006 min
Lab File: BM035231.D
Acq: 24 May 2022 22:21



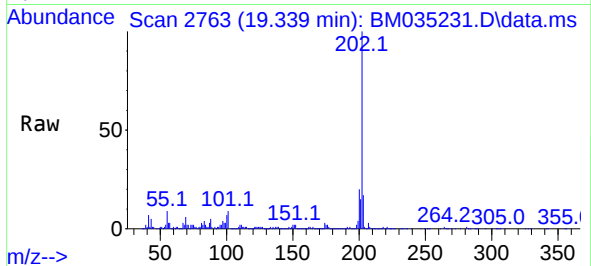
Tgt Ion:178 Resp: 165136
Ion Ratio Lower Upper
178 100
176 20.0 15.4 23.0
179 15.1 12.4 18.6





#75
Fluoranthene
Concen: 11.329 ng
RT: 19.339 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM035231.D
Acq: 24 May 2022 22:21

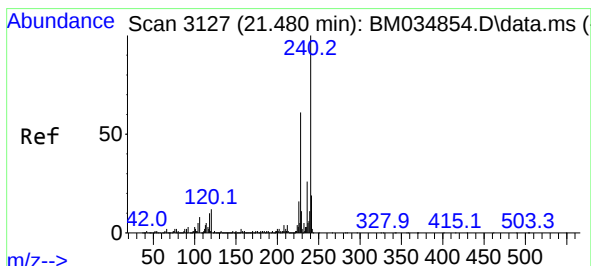
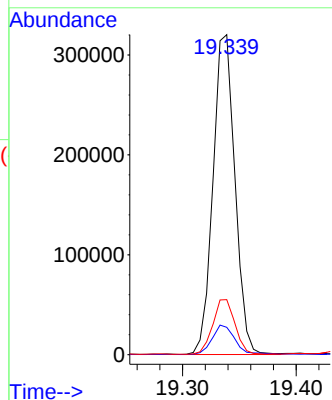
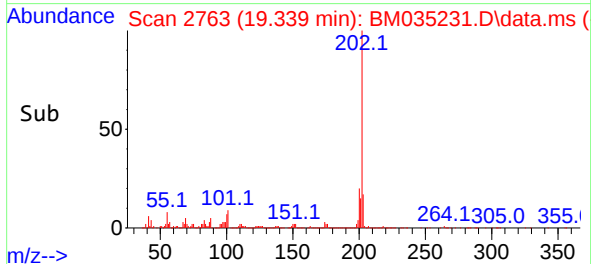
Instrument :
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Tgt Ion:202 Resp: 43075
Ion Ratio Lower Upper
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101 8.6 0.0 30.6
203 17.2 0.0 37.4

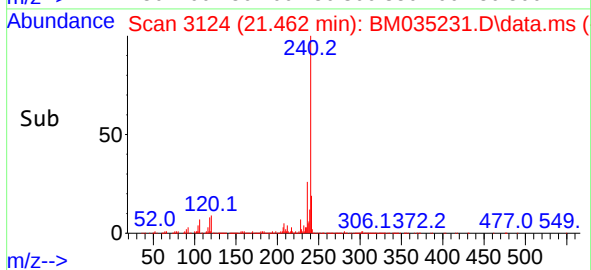
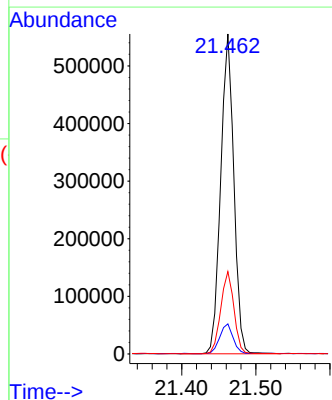
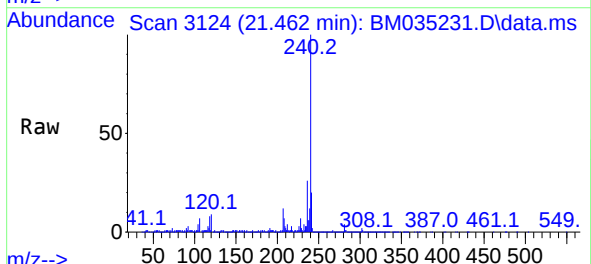
Manual Integrations
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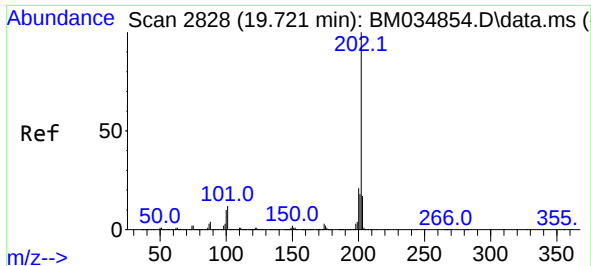
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.462 min Scan# 3124
Delta R.T. -0.012 min
Lab File: BM035231.D
Acq: 24 May 2022 22:21

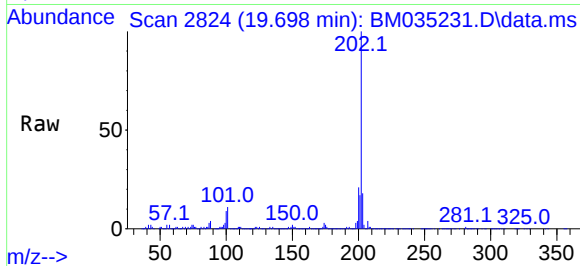
Tgt Ion:240 Resp: 683117
Ion Ratio Lower Upper
240 100
120 9.4 9.4 14.0
236 25.8 20.6 30.8





#78
Pyrene
Concen: 8.335 ng
RT: 19.698 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM035231.D
Acq: 24 May 2022 22:21

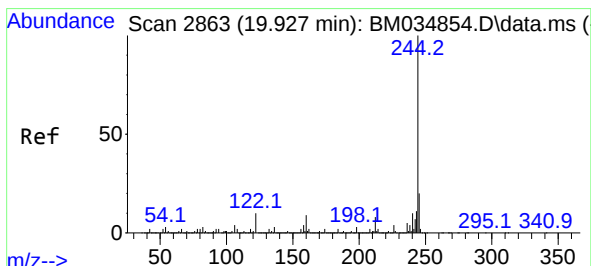
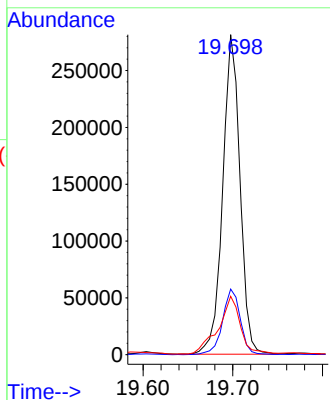
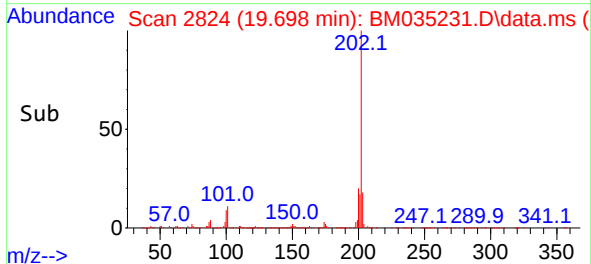
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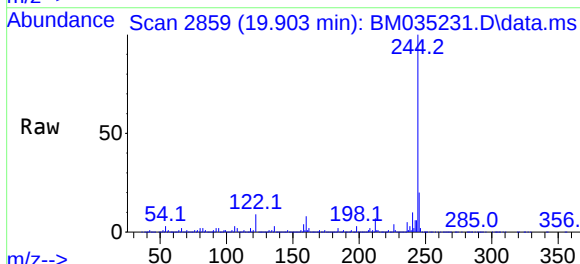
Tgt Ion:202 Resp: 37654
Ion Ratio Lower Upper
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200 20.5 16.7 25.1
203 18.3 13.9 20.9

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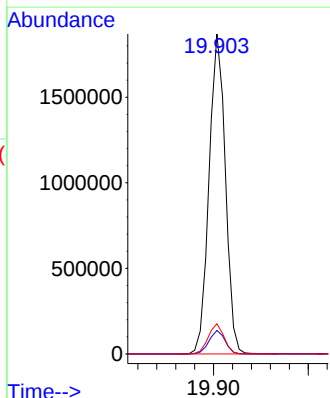
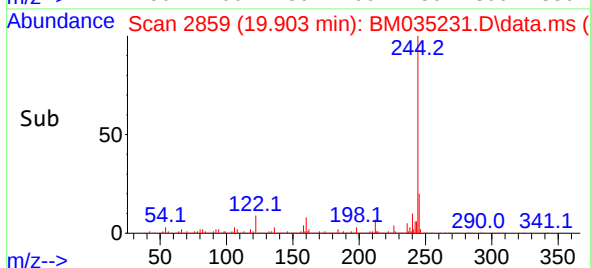
Reviewed By :Christian Giraldo 05/25/2022
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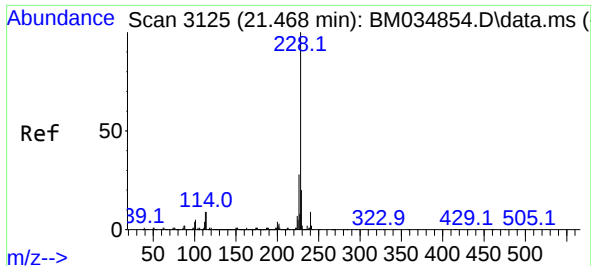


#79
Terphenyl-d14
Concen: 63.264 ng
RT: 19.903 min Scan# 2859
Delta R.T. -0.012 min
Lab File: BM035231.D
Acq: 24 May 2022 22:21



Tgt Ion:244 Resp: 2232021
Ion Ratio Lower Upper
244 100
212 7.4 6.2 9.4
122 9.4 8.3 12.5





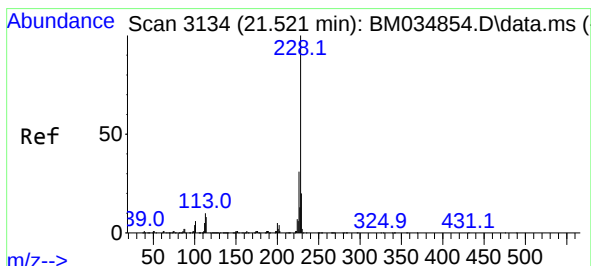
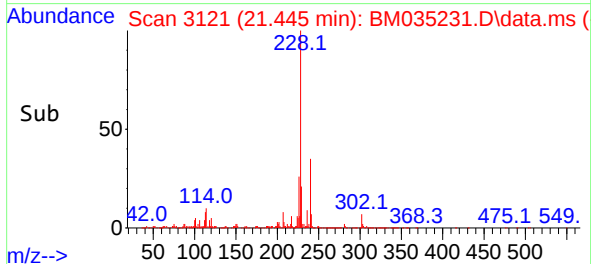
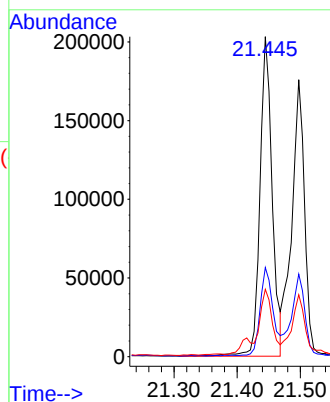
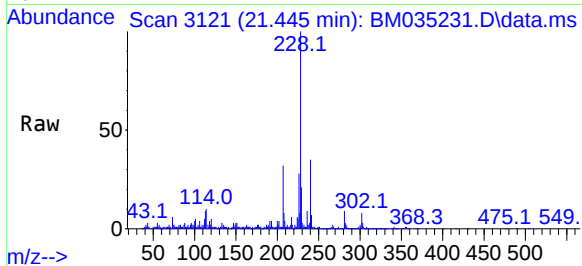
#81
Benzo(a)anthracene
Concen: 5.990 ng
RT: 21.445 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM035231.D
Acq: 24 May 2022 22:21

Instrument :
BNA_M
ClientSampleId :
SB-11(0.5-1)

Tgt Ion:228 Resp: 273010
Ion Ratio Lower Upper
228 100
226 27.9 22.3 33.5
229 21.0 15.8 23.6

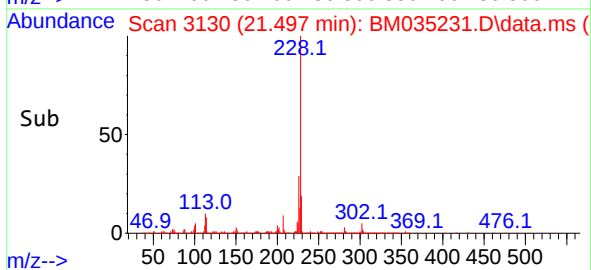
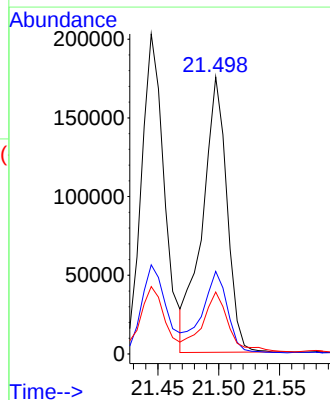
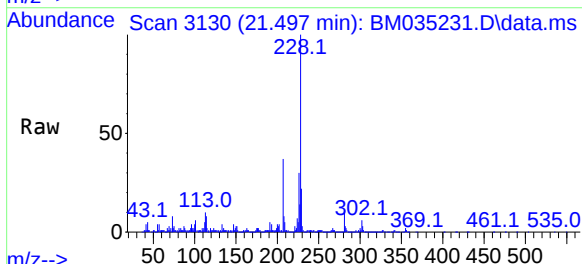
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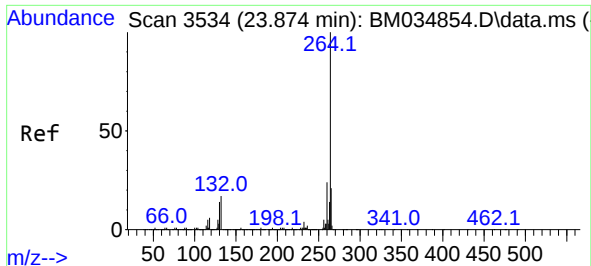
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#83
Chrysene
Concen: 5.639 ng
RT: 21.497 min Scan# 3130
Delta R.T. -0.012 min
Lab File: BM035231.D
Acq: 24 May 2022 22:21

Tgt Ion:228 Resp: 245514
Ion Ratio Lower Upper
228 100
226 29.8 24.4 36.6
229 22.3 15.8 23.8





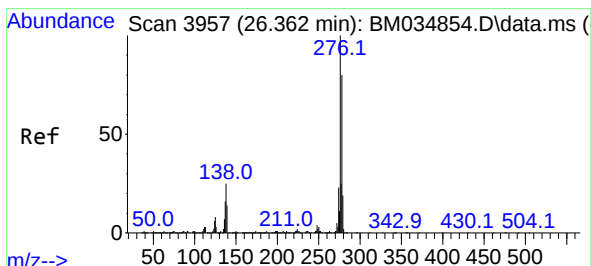
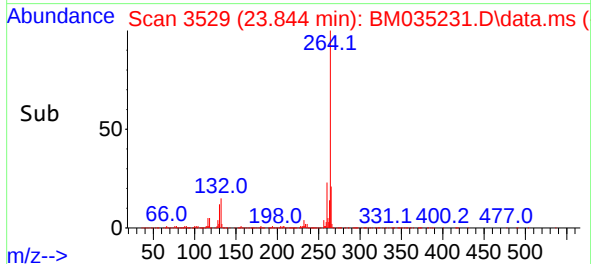
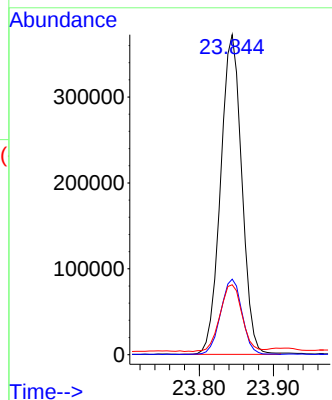
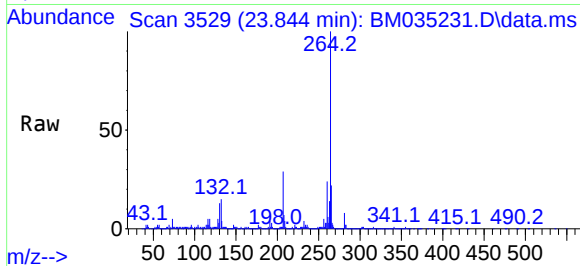
#86
Perylene-d12
Concen: 20.000 ng
RT: 23.844 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM035231.D
Acq: 24 May 2022 22:21

Instrument :
BNA_M
ClientSampleId :
SB-11(0.5-1)

Tgt Ion:264 Resp: 73832
Ion Ratio Lower Upper
264 100
260 23.6 18.9 28.3
265 21.9 17.5 26.3

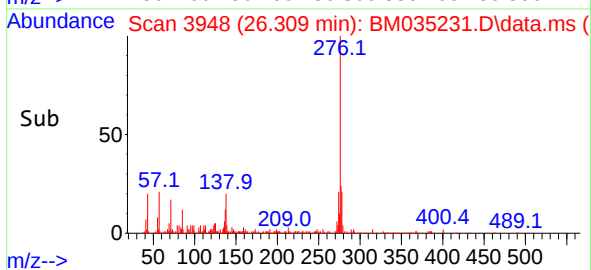
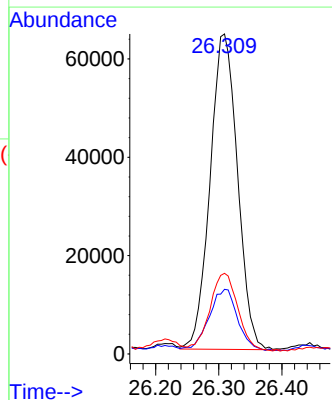
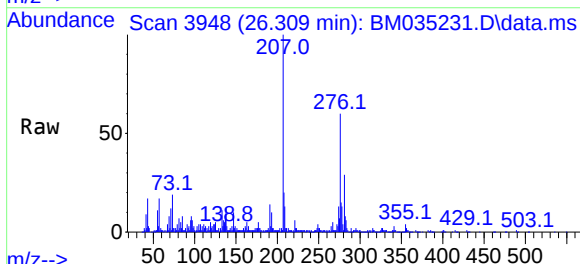
Manual Integrations
APPROVED

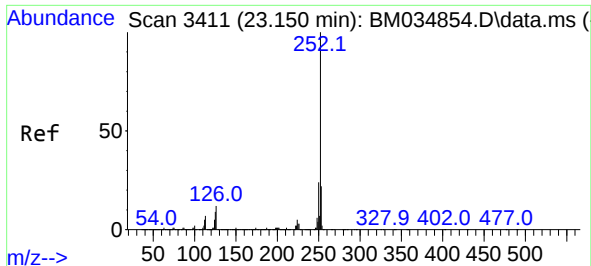
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.448 ng
RT: 26.309 min Scan# 3948
Delta R.T. -0.024 min
Lab File: BM035231.D
Acq: 24 May 2022 22:21

Tgt Ion:276 Resp: 193576
Ion Ratio Lower Upper
276 100
138 20.2 20.2 30.4#
277 25.2 20.2 30.2





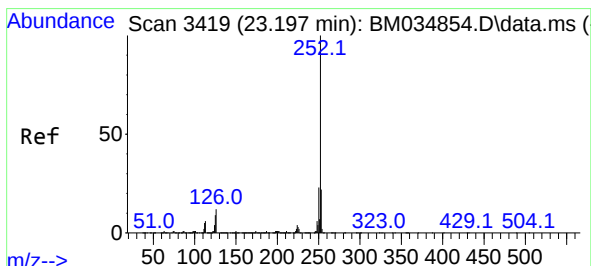
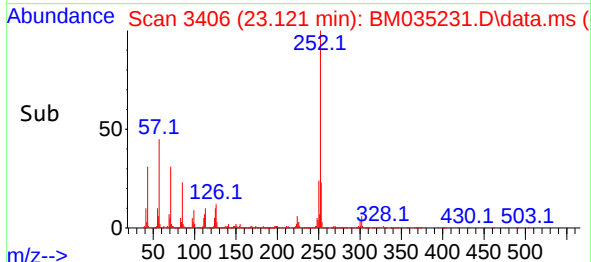
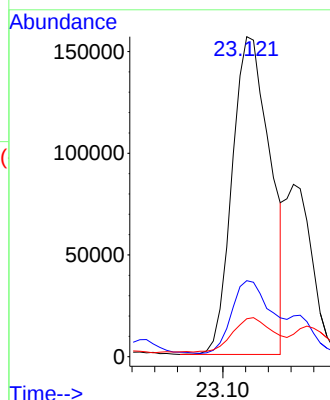
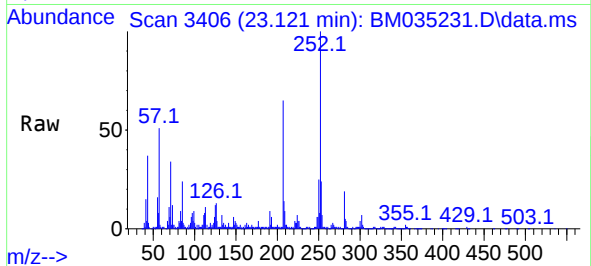
#88
Benzo(b)fluoranthene
Concen: 7.825 ng
RT: 23.121 min Scan# 3410
Delta R.T. -0.012 min
Lab File: BM035231.D
Acq: 24 May 2022 22:21

Instrument :
BNA_M
ClientSampleId :
SB-11(0.5-1)

Tgt Ion:252 Resp: 363364
Ion Ratio Lower Upper
252 100
253 23.8 17.6 26.4
125 11.8 7.6 11.4

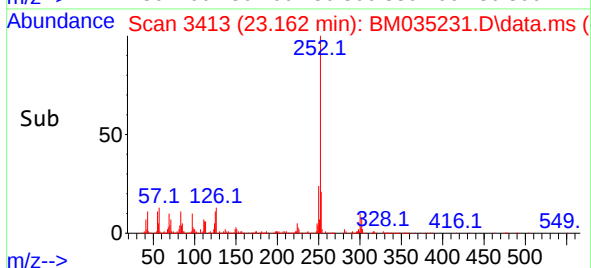
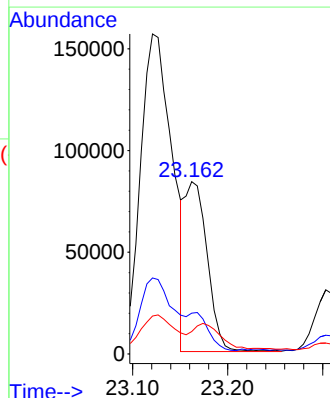
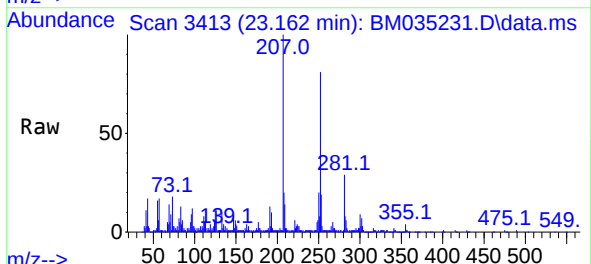
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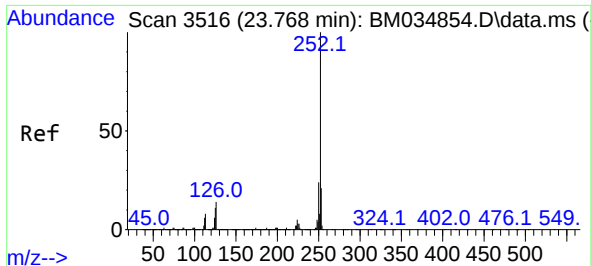
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#89
Benzo(k)fluoranthene
Concen: 2.910 ng m
RT: 23.162 min Scan# 3413
Delta R.T. -0.018 min
Lab File: BM035231.D
Acq: 24 May 2022 22:21

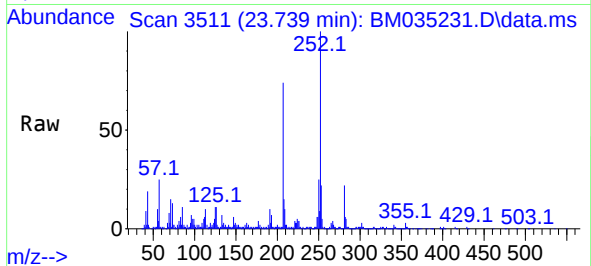
Tgt Ion:252 Resp: 136803
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 13.0 7.6 11.4





#90
Benzo(a)pyrene
Concen: 7.094 ng
RT: 23.739 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM035231.D
Acq: 24 May 2022 22:21

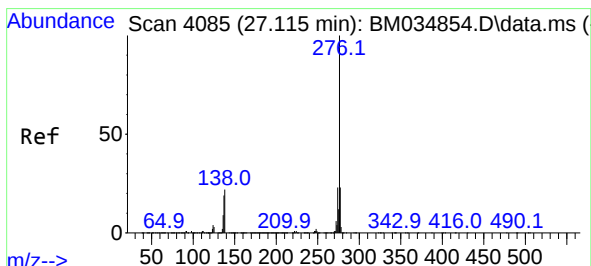
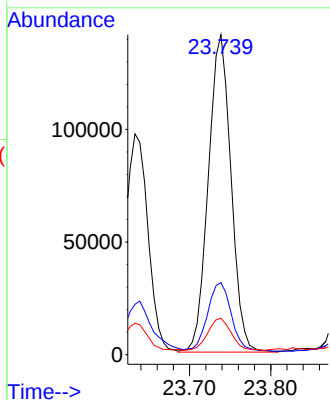
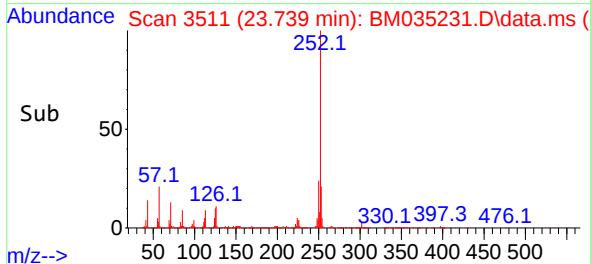
Instrument :
BNA_M
ClientSampleId :
SB-11(0.5-1)



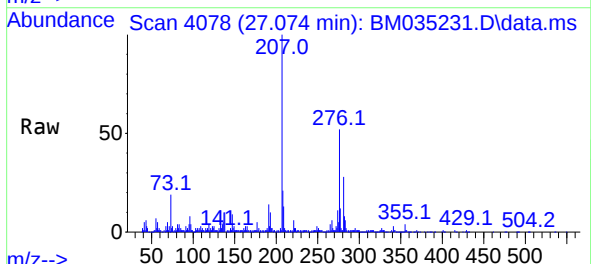
Tgt Ion:252 Resp: 273670
Ion Ratio Lower Upper
252 100
253 22.5 17.2 25.8
125 11.4 8.7 13.1

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 4.195 ng
RT: 27.074 min Scan# 4078
Delta R.T. -0.018 min
Lab File: BM035231.D
Acq: 24 May 2022 22:21



Tgt Ion:276 Resp: 189785
Ion Ratio Lower Upper
276 100
277 22.7 18.7 28.1
138 18.9 17.6 26.4

