

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032323\
 Data File : BM039134.D
 Acq On : 24 Mar 2023 02:22
 Operator : CG/JU
 Sample : 01932-15DL 25X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JPP-6A-031423DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/24/2023
 Supervised By : Jagrut Upadhyay 03/24/2023

Quant Time: Mar 24 04:37:16 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 22 03:36:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.957	152	343346	20.000	ng	-0.01
21) Naphthalene-d8	10.775	136	1311053	20.000	ng	0.00
39) Acenaphthene-d10	14.604	164	695404	20.000	ng	0.00
64) Phenanthrene-d10	17.351	188	1356676	20.000	ng	0.00
76) Chrysene-d12	21.527	240	1184756	20.000	ng	0.00
86) Perylene-d12	23.962	264	1371735	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	75830	3.355	ng	0.00
7) Phenol-d6	7.122	99	93196	3.175	ng	0.00
23) Nitrobenzene-d5	9.128	82	55412	2.076	ng	-0.01
42) 2,4,6-Tribromophenol	16.092	330	24360	3.028	ng	0.00
45) 2-Fluorobiphenyl	13.227	172	124102	2.323	ng	0.00
79) Terphenyl-d14	19.962	244	164212	2.534	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.392	178	1749949	21.978	ng	99
72) Anthracene	17.480	178	437620	5.511	ng	99
75) Fluoranthene	19.404	202	3192574	37.975	ng	98
78) Pyrene	19.768	202	2803056	31.500	ng	99
81) Benzo(a)anthracene	21.509	228	1363022	15.975	ng	99
83) Chrysene	21.562	228	1169144	14.089	ng	98
87) Indeno(1,2,3-cd)pyrene	26.491	276	870355	8.338	ng	95
88) Benzo(b)fluoranthene	23.221	252	1651142	18.841	ng	97
89) Benzo(k)fluoranthene	23.262	252	572805m	6.281	ng	
90) Benzo(a)pyrene	23.850	252	1225660	14.532	ng	97
91) Dibenzo(a,h)anthracene	26.497	278	217937	2.465	ng	# 83
92) Benzo(g,h,i)perylene	27.274	276	831069	9.610	ng	99

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

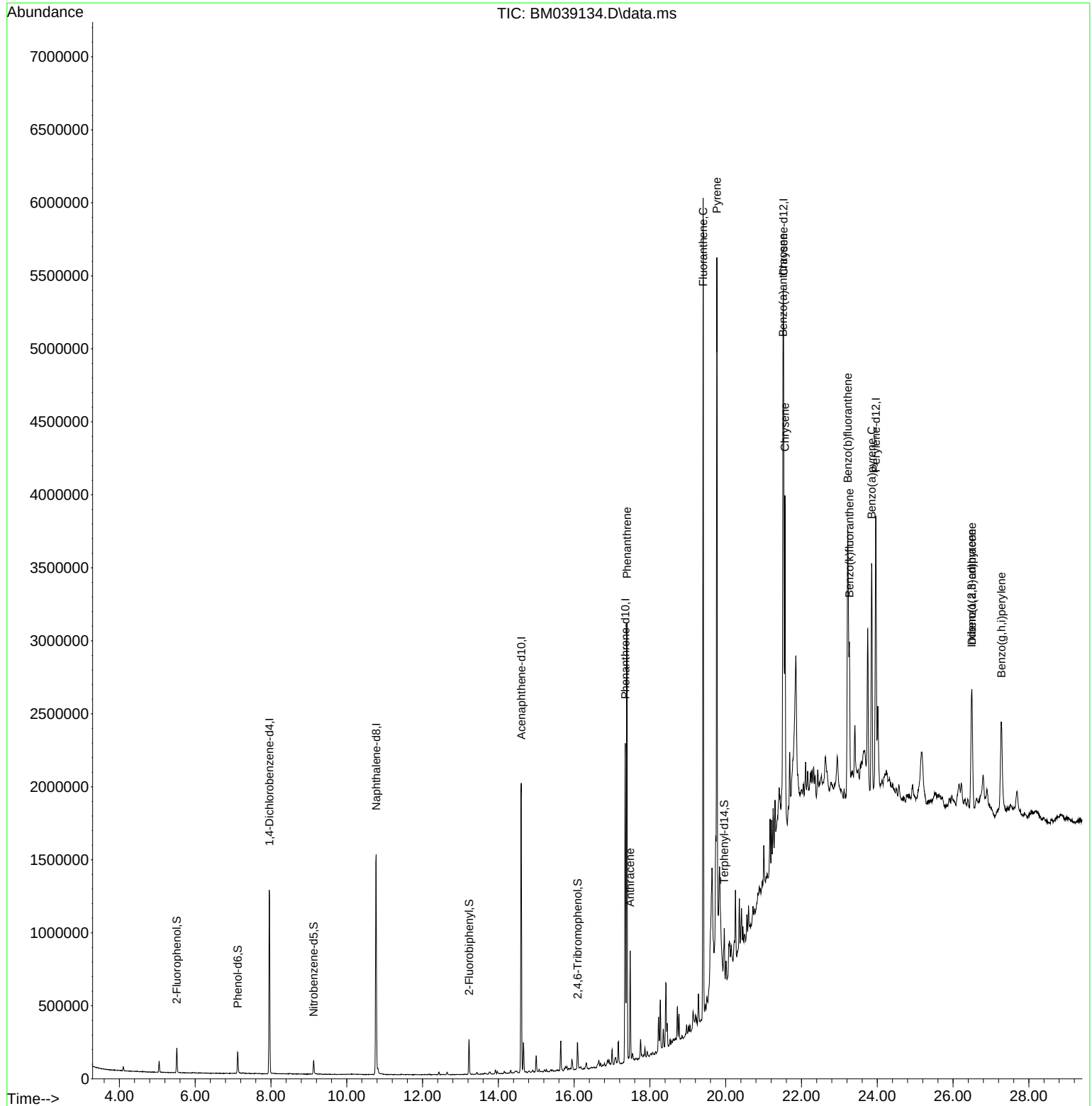
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032323\
Data File : BM039134.D
Acq On : 24 Mar 2023 02:22
Operator : CG/JU
Sample : 01932-15DL 25X
Misc :
ALS Vial : 17 Sample Multiplier: 1

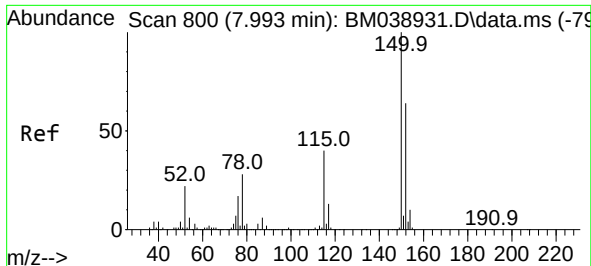
Instrument :
BNA_M
ClientSampleId :
JPP-6A-031423DL

Quant Time: Mar 24 04:37:16 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 22 03:36:20 2023
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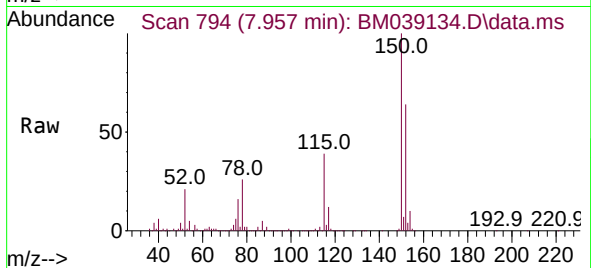
Reviewed By : Christian Giraldo 03/24/2023
Supervised By : Jagrut Upadhyay 03/24/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.957 min Scan# 79
Delta R.T. -0.012 min
Lab File: BM039134.D
Acq: 24 Mar 2023 02:22

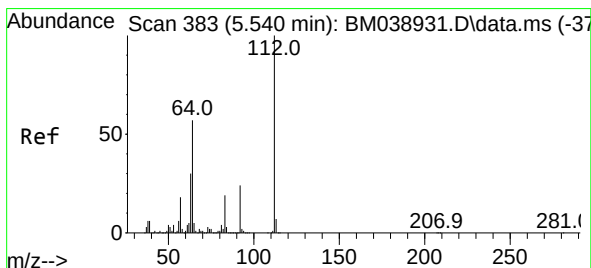
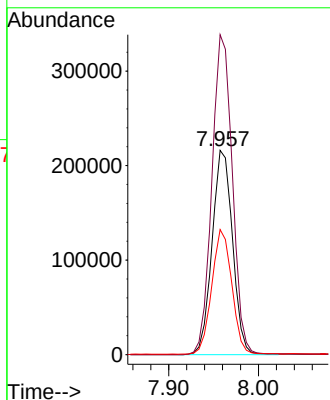
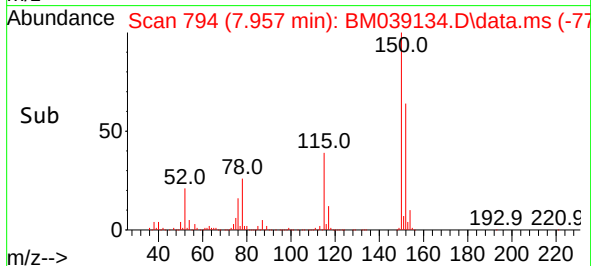
Instrument :
BNA_M
ClientSampleId :
JPP-6A-031423DL



Tgt Ion:152 Resp: 343346
Ion Ratio Lower Upper
152 100
150 156.7 125.1 187.7
115 61.2 49.6 74.4

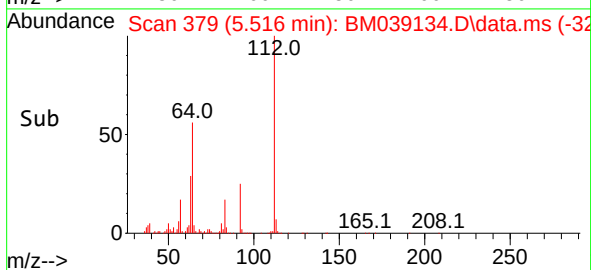
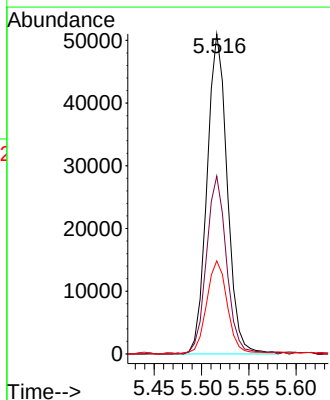
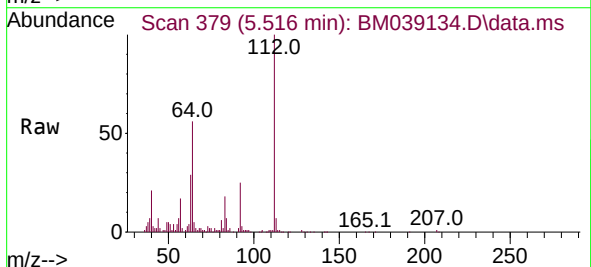
Manual Integrations
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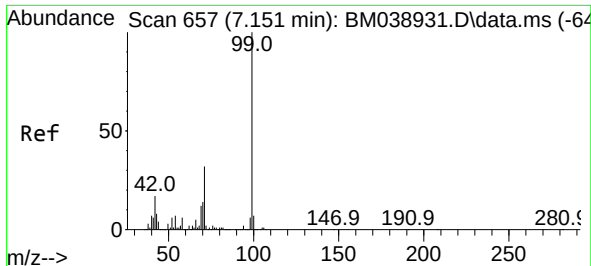
Reviewed By :Christian Giraldo 03/24/2023
Supervised By :Jagrut Upadhyay 03/24/2023



#5
2-Fluorophenol
Concen: 3.355 ng
RT: 5.516 min Scan# 379
Delta R.T. -0.006 min
Lab File: BM039134.D
Acq: 24 Mar 2023 02:22

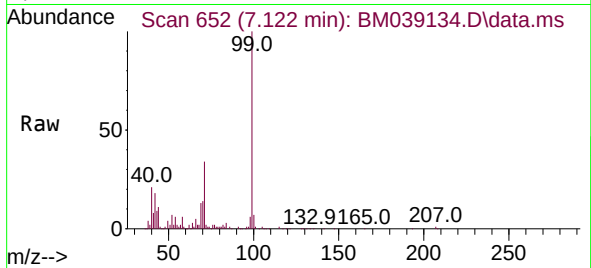
Tgt Ion:112 Resp: 75830
Ion Ratio Lower Upper
112 100
64 55.6 45.9 68.9
63 29.1 23.8 35.8





#7
Phenol-d6
Concen: 3.175 ng
RT: 7.122 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM039134.D
Acq: 24 Mar 2023 02:22

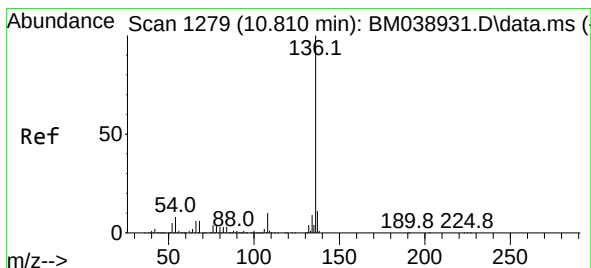
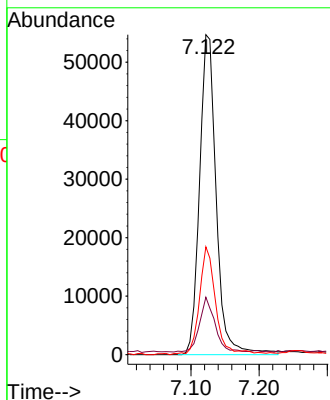
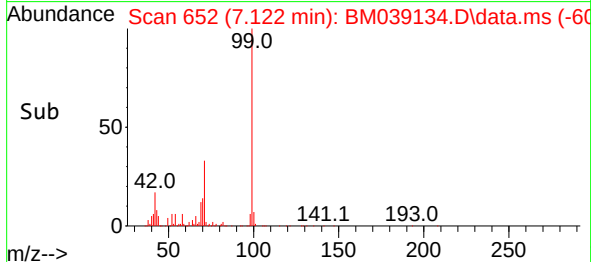
Instrument :
BNA_M
ClientSampleId :
JPP-6A-031423DL



Tgt Ion: 99 Resp: 93196
Ion Ratio Lower Upper
99 100
42 17.9 13.5 20.3
71 33.7 25.6 38.4

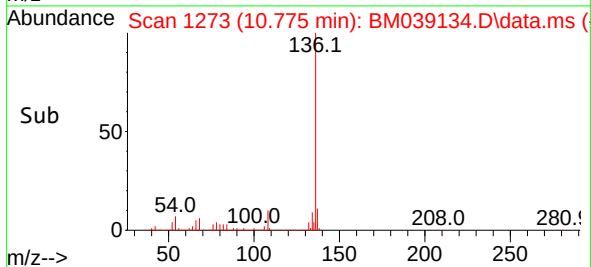
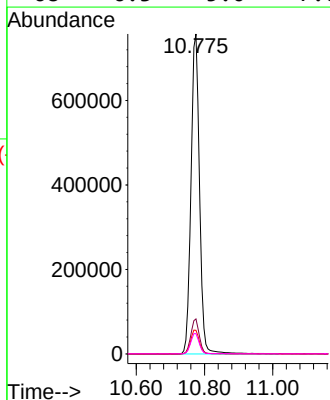
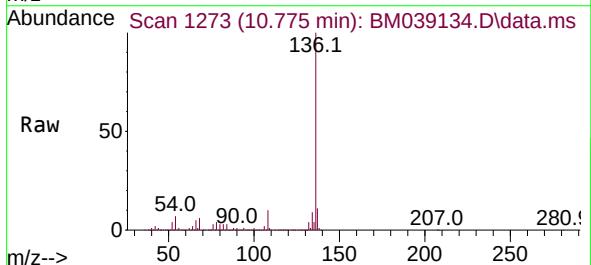
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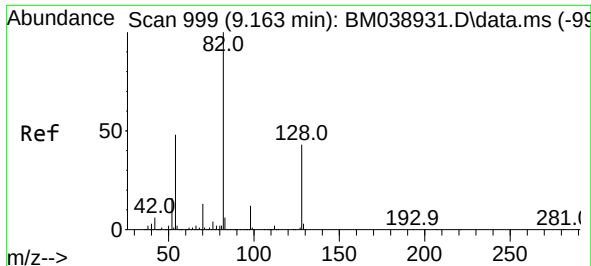
Reviewed By :Christian Giraldo 03/24/2023
Supervised By :Jagrut Upadhyay 03/24/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.775 min Scan# 1273
Delta R.T. -0.006 min
Lab File: BM039134.D
Acq: 24 Mar 2023 02:22

Tgt Ion:136 Resp: 1311053
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 7.4 6.3 9.5
68 6.3 5.0 7.6





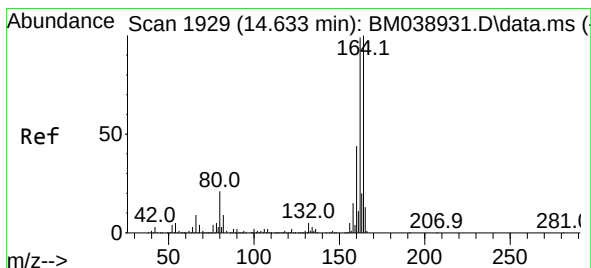
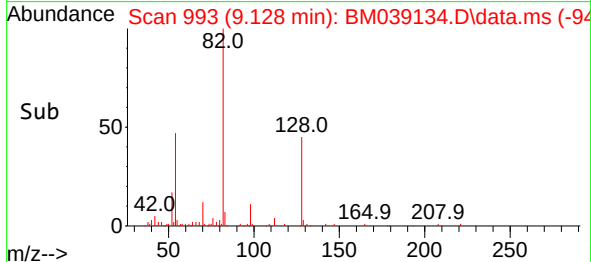
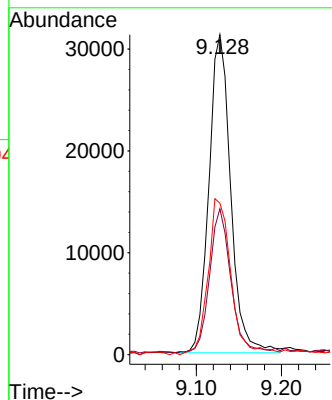
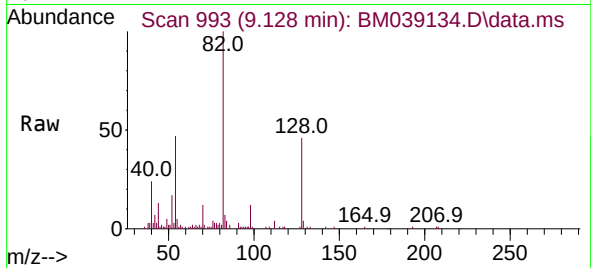
#23
Nitrobenzene-d5
Concen: 2.076 ng
RT: 9.128 min Scan# 999
Delta R.T. -0.012 min
Lab File: BM039134.D
Acq: 24 Mar 2023 02:22

Instrument :
BNA_M
ClientSampleId :
JPP-6A-031423DL

Tgt Ion:	82	Resp:	55412
Ion Ratio	Lower	Upper	
82	100		
128	45.6	34.4	51.6
54	47.3	38.8	58.2

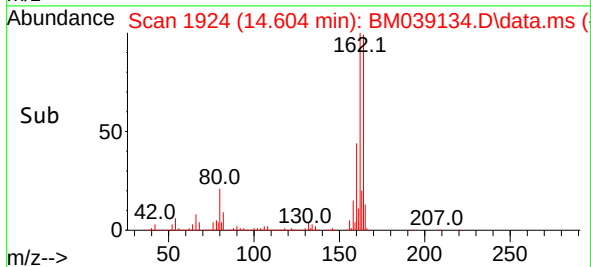
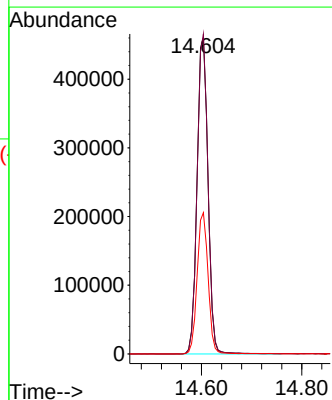
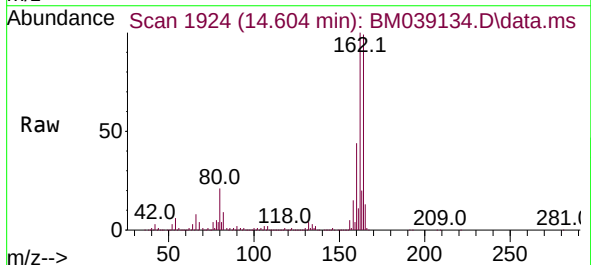
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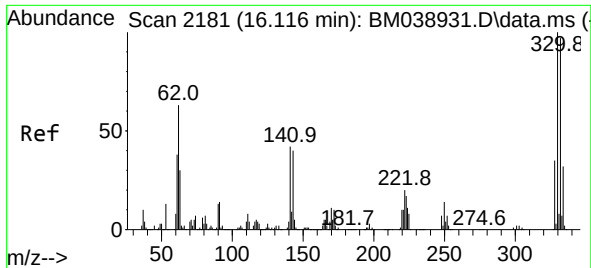
Reviewed By :Christian Giraldo 03/24/2023
Supervised By :Jagrut Upadhyay 03/24/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.604 min Scan# 1924
Delta R.T. -0.006 min
Lab File: BM039134.D
Acq: 24 Mar 2023 02:22

Tgt Ion:	164	Resp:	695404
Ion Ratio	Lower	Upper	
164	100		
162	101.2	79.2	118.8
160	44.7	35.5	53.3





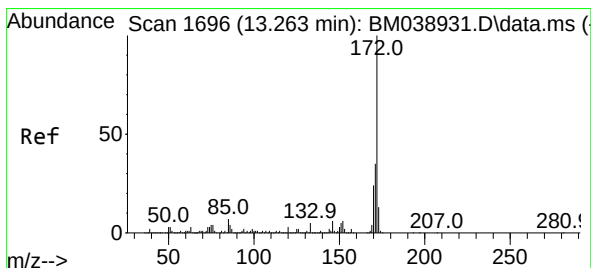
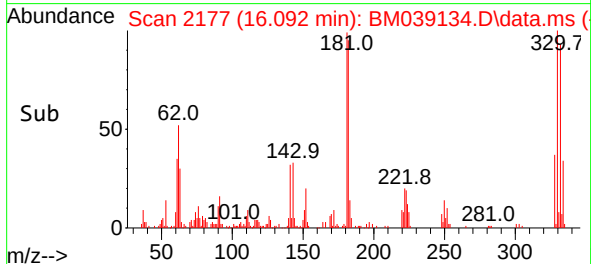
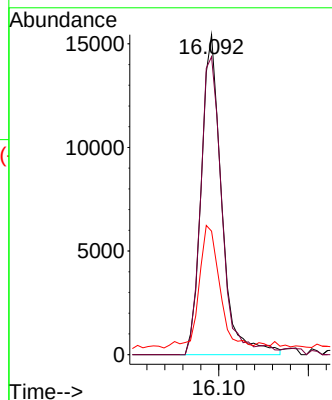
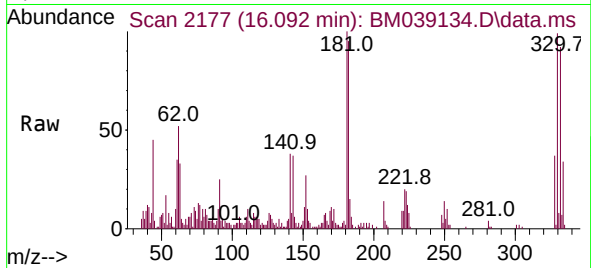
#42
2,4,6-Tribromophenol
Concen: 3.028 ng
RT: 16.092 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BM039134.D
Acq: 24 Mar 2023 02:22

Instrument :
BNA_M
ClientSampleId :
JPP-6A-031423DL

Tgt Ion:330 Resp: 24360
Ion Ratio Lower Upper
330 100
332 97.8 77.4 116.0
141 38.8 32.2 48.4

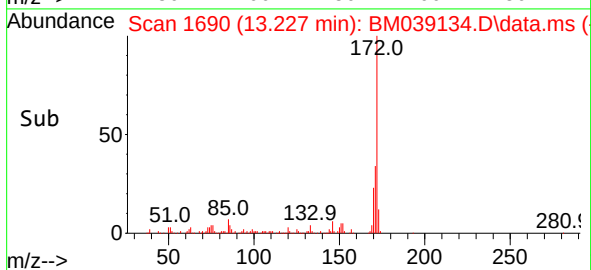
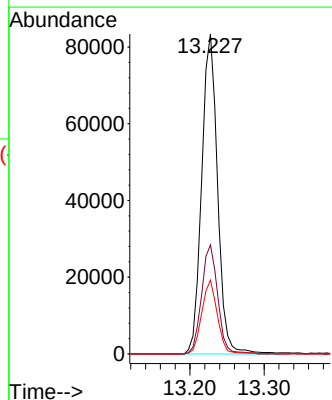
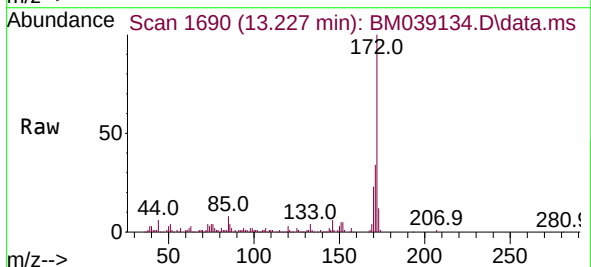
Manual Integrations
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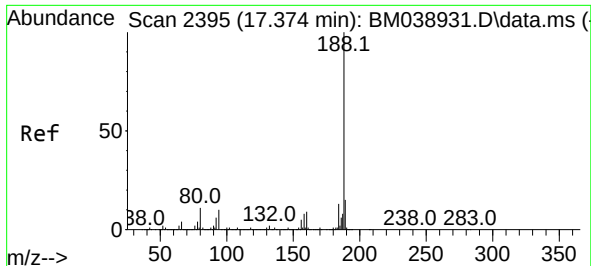
Reviewed By :Christian Giraldo 03/24/2023
Supervised By :Jagrut Upadhyay 03/24/2023



#45
2-Fluorobiphenyl
Concen: 2.323 ng
RT: 13.227 min Scan# 1690
Delta R.T. -0.006 min
Lab File: BM039134.D
Acq: 24 Mar 2023 02:22

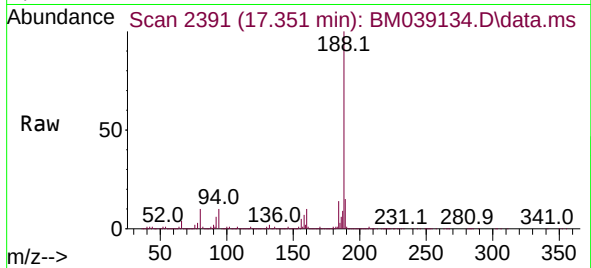
Tgt Ion:172 Resp: 124102
Ion Ratio Lower Upper
172 100
171 34.1 28.2 42.2
170 23.1 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.351 min Scan# 2391
Delta R.T. 0.000 min
Lab File: BM039134.D
Acq: 24 Mar 2023 02:22

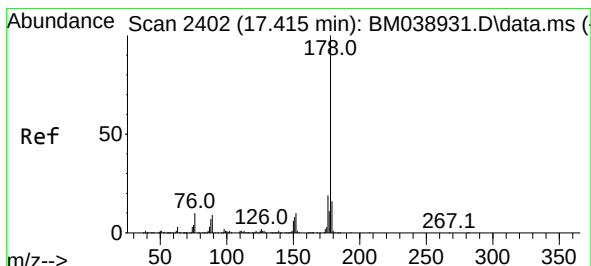
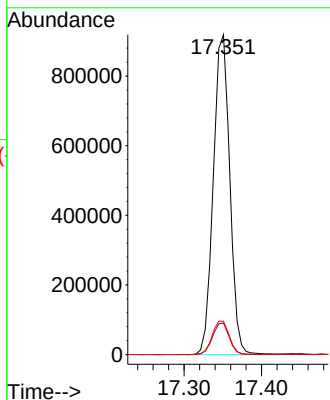
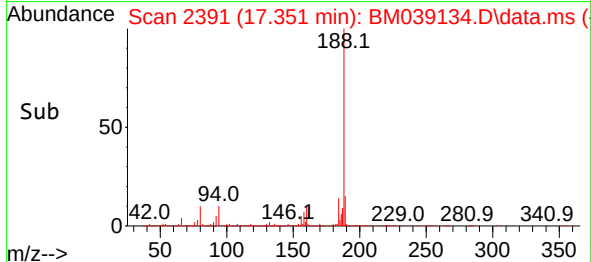
Instrument :
BNA_M
ClientSampleId :
JPP-6A-031423DL



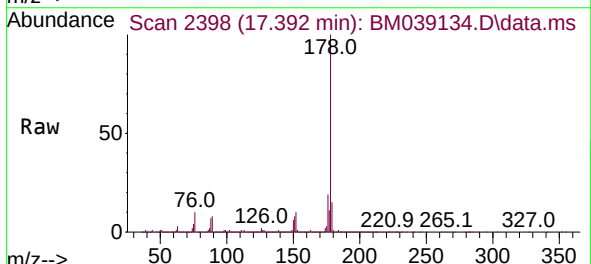
Tgt Ion:188 Resp: 1356676
Ion Ratio Lower Upper
188 100
94 9.9 7.9 11.9
80 10.4 8.5 12.7

Manual Integrations
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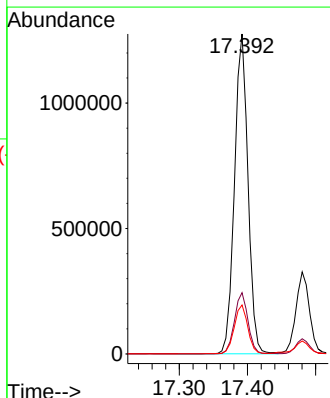
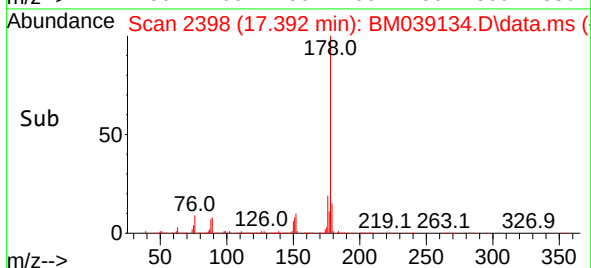
Reviewed By :Christian Giraldo 03/24/2023
Supervised By :Jagrut Upadhyay 03/24/2023

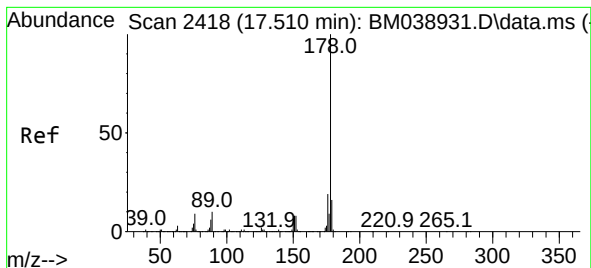


#71
Phenanthrene
Concen: 21.978 ng
RT: 17.392 min Scan# 2398
Delta R.T. 0.000 min
Lab File: BM039134.D
Acq: 24 Mar 2023 02:22



Tgt Ion:178 Resp: 1749949
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 15.3 12.5 18.7





#72

Anthracene

Concen: 5.511 ng

RT: 17.480 min Scan# 2418

Delta R.T. -0.006 min

Lab File: BM039134.D

Acq: 24 Mar 2023 02:22

Instrument :

BNA_M

ClientSampleId :

JPP-6A-031423DL

Tgt Ion:178 Resp: 437620

Ion Ratio Lower Upper

178 100

176 18.5 15.3 22.9

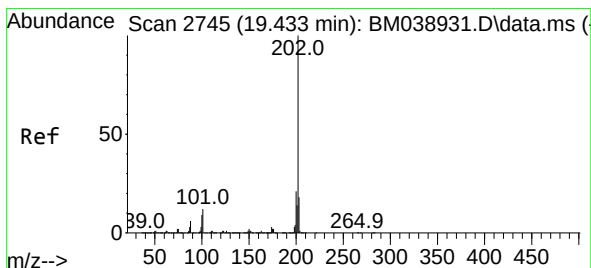
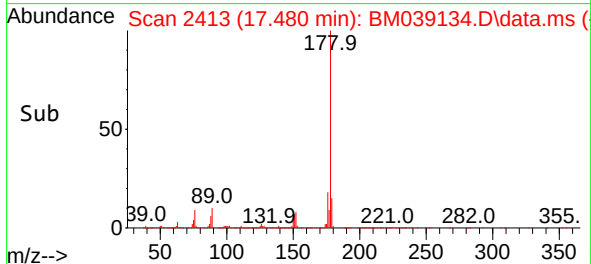
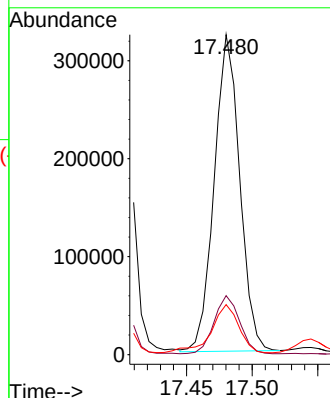
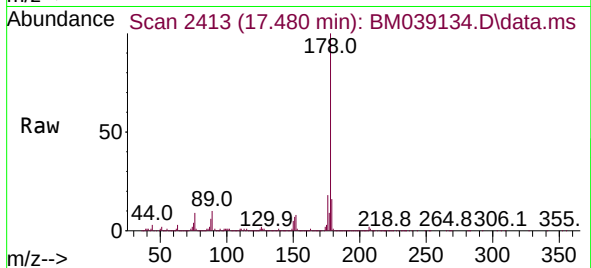
179 15.6 12.5 18.7

Manual Integrations

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#75

Fluoranthene

Concen: 37.975 ng

RT: 19.404 min Scan# 2740

Delta R.T. -0.006 min

Lab File: BM039134.D

Acq: 24 Mar 2023 02:22

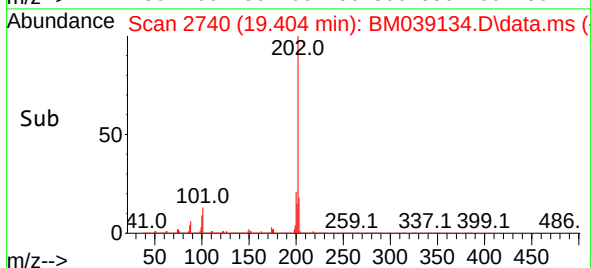
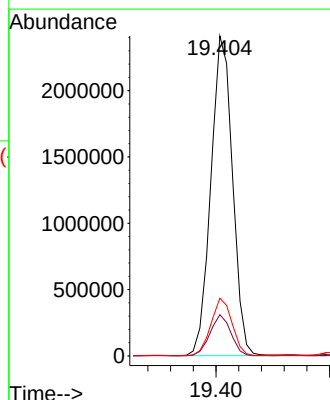
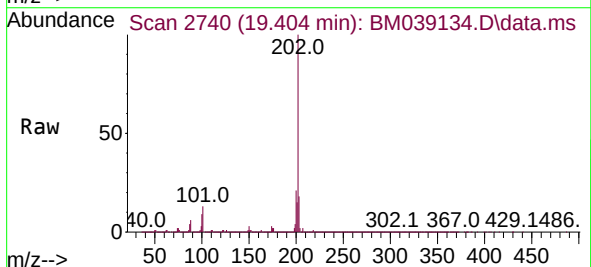
Tgt Ion:202 Resp: 3192574

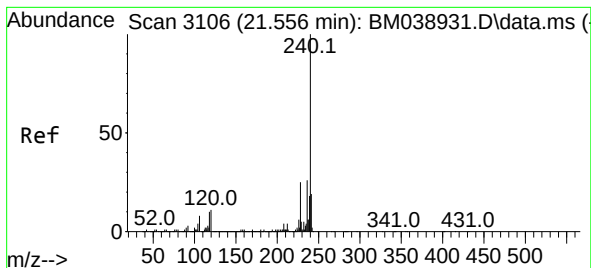
Ion Ratio Lower Upper

202 100

101 12.9 0.0 31.7

203 18.0 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.527 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM039134.D

Acq: 24 Mar 2023 02:22

Instrument :

BNA_M

ClientSampleId :

JPP-6A-031423DL

Tgt Ion:240 Resp: 1184756

Ion Ratio Lower Upper

240 100

120 12.5 9.2 13.8

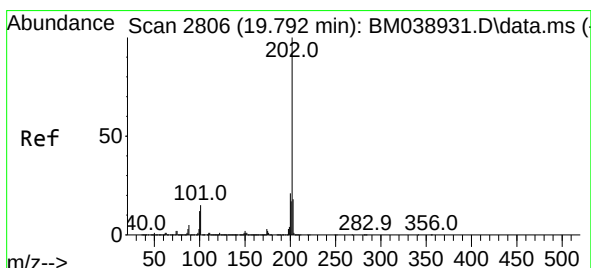
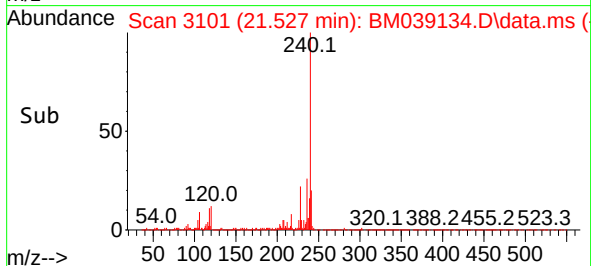
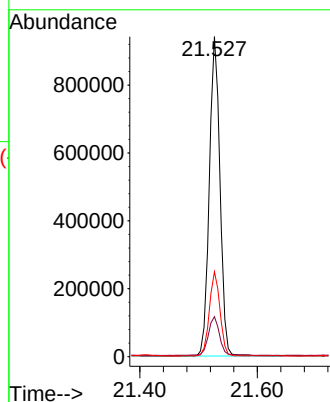
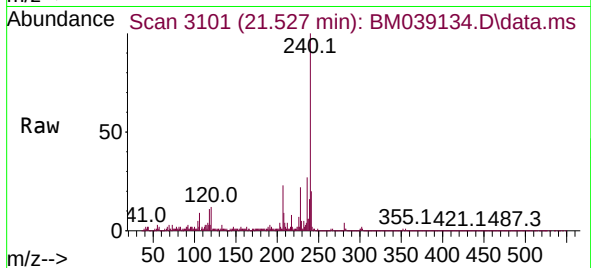
236 26.5 20.8 31.2

Manual Integrations

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Reviewed By :Christian Giraldo 03/24/2023

Supervised By :Jagrut Upadhyay 03/24/2023



#78

Pyrene

Concen: 31.500 ng

RT: 19.768 min Scan# 2802

Delta R.T. 0.000 min

Lab File: BM039134.D

Acq: 24 Mar 2023 02:22

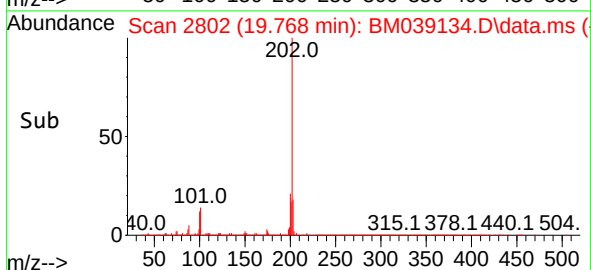
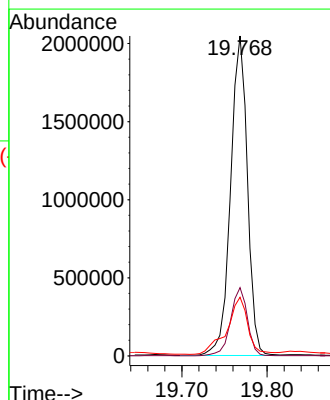
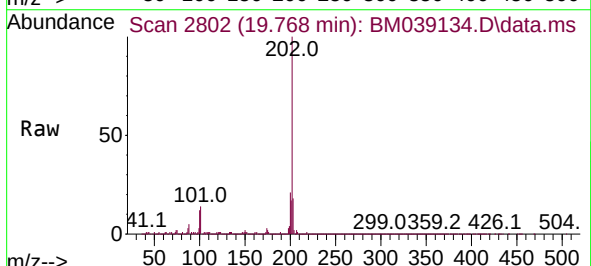
Tgt Ion:202 Resp: 2803056

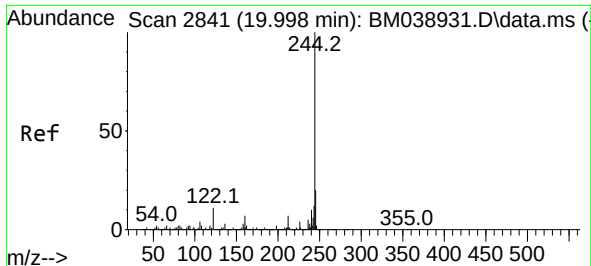
Ion Ratio Lower Upper

202 100

200 21.3 17.1 25.7

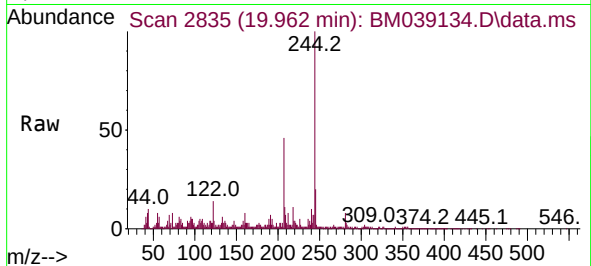
203 18.3 14.1 21.1





#79
 Terphenyl-d14
 Concen: 2.534 ng
 RT: 19.962 min Scan# 2841
 Delta R.T. -0.006 min
 Lab File: BM039134.D
 Acq: 24 Mar 2023 02:22

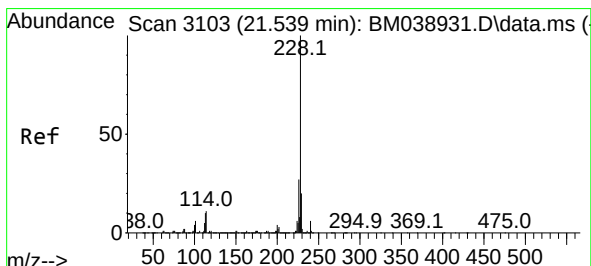
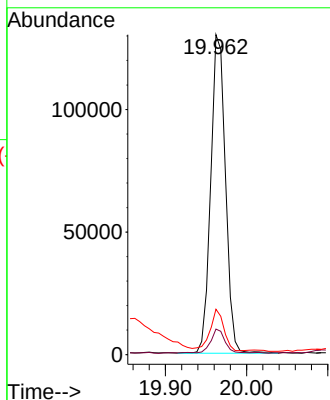
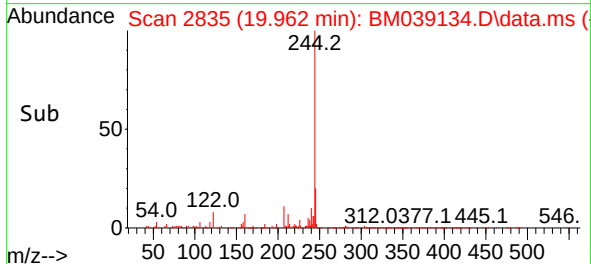
Instrument :
 BNA_M
 ClientSampleId :
 JPP-6A-031423DL



Tgt Ion:244 Resp: 164212
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.5 8.3
 122 14.2 9.0 13.4

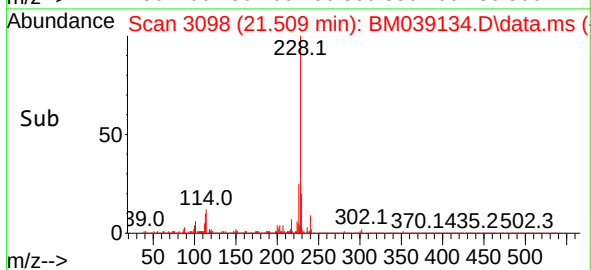
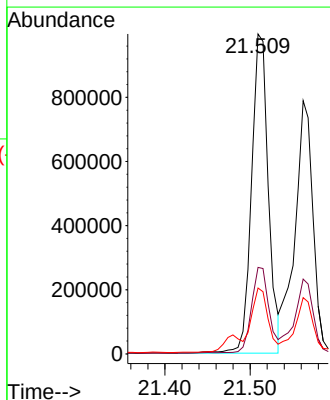
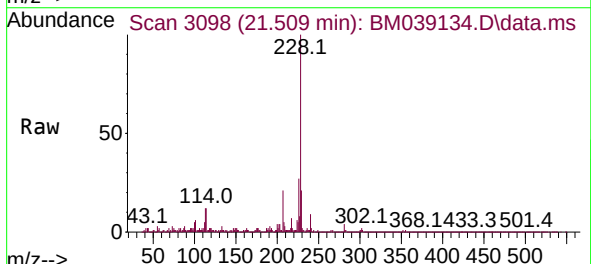
Manual Integrations
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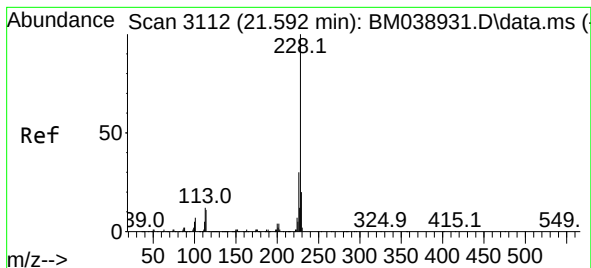
Reviewed By :Christian Giraldo 03/24/2023
 Supervised By :Jagrut Upadhyay 03/24/2023



#81
 Benzo(a)anthracene
 Concen: 15.975 ng
 RT: 21.509 min Scan# 3098
 Delta R.T. -0.006 min
 Lab File: BM039134.D
 Acq: 24 Mar 2023 02:22

Tgt Ion:228 Resp: 1363022
 Ion Ratio Lower Upper
 228 100
 226 27.0 21.4 32.2
 229 20.6 15.7 23.5





#83

Chrysene

Concen: 14.089 ng

RT: 21.562 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM039134.D

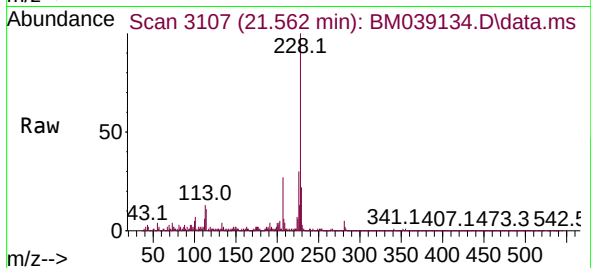
Acq: 24 Mar 2023 02:22

Instrument :

BNA_M

ClientSampleId :

JPP-6A-031423DL



Tgt Ion:228 Resp: 116914

Ion Ratio Lower Upper

228 100

226 29.6 24.0 36.0

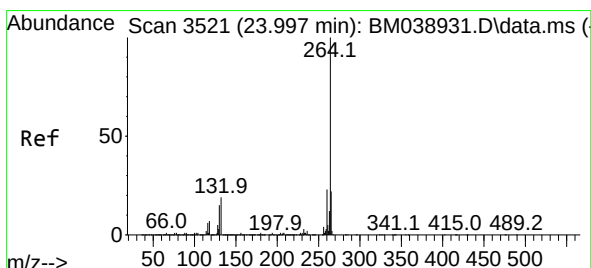
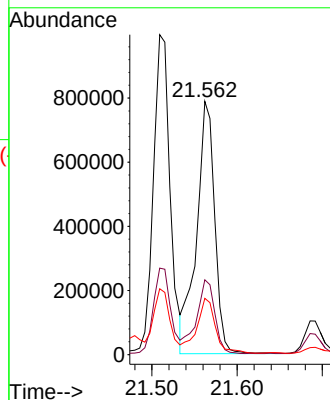
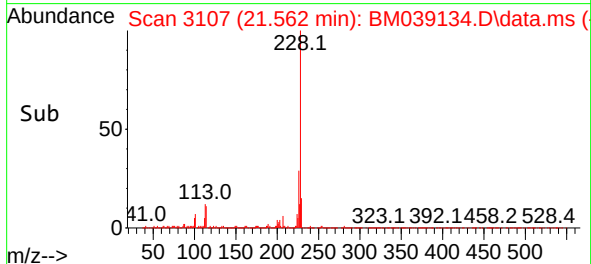
229 22.2 16.0 24.0

Manual Integrations

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Reviewed By :Christian Giraldo 03/24/2023

Supervised By :Jagrut Upadhyay 03/24/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.962 min Scan# 3515

Delta R.T. 0.000 min

Lab File: BM039134.D

Acq: 24 Mar 2023 02:22

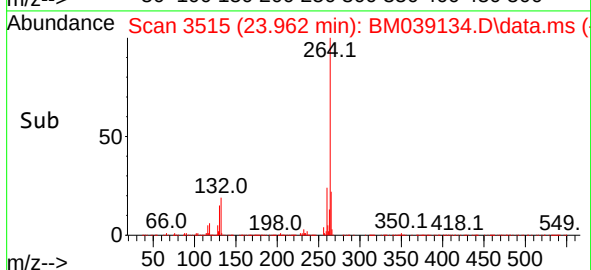
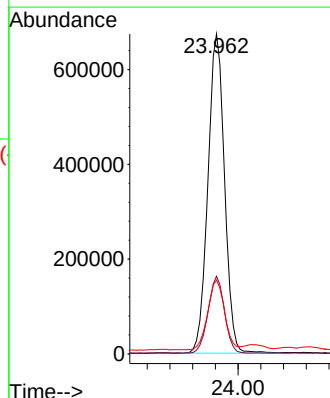
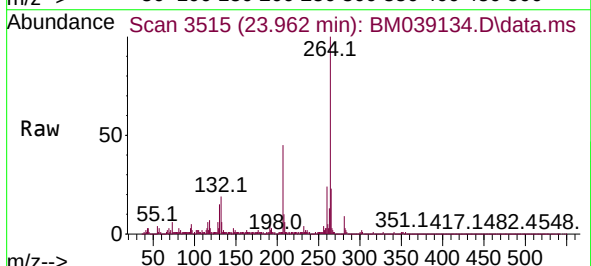
Tgt Ion:264 Resp: 1371735

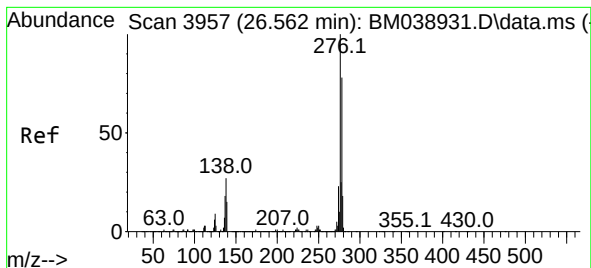
Ion Ratio Lower Upper

264 100

260 24.3 18.7 28.1

265 23.1 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.338 ng

RT: 26.491 min Scan# 3957

Delta R.T. -0.006 min

Lab File: BM039134.D

Acq: 24 Mar 2023 02:22

Instrument :

BNA_M

ClientSampleId :

JPP-6A-031423DL

Tgt Ion: 276 Resp: 87035

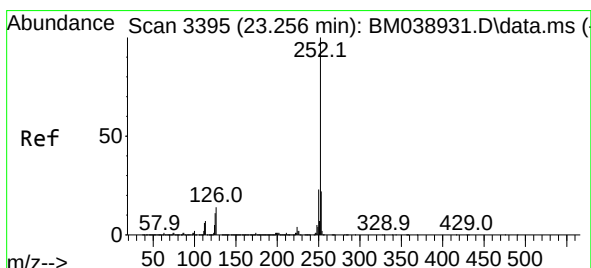
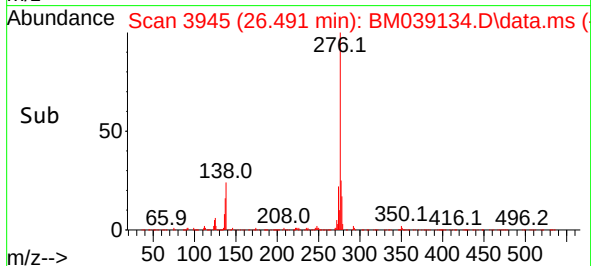
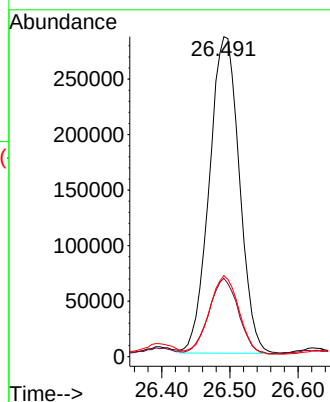
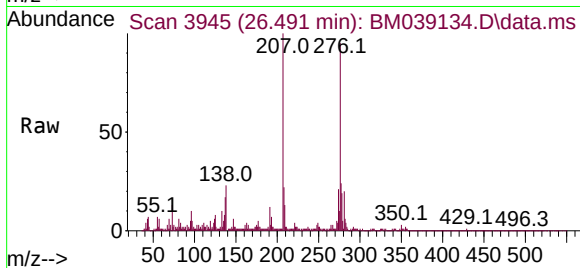
Ion	Ratio	Lower	Upper
276	100		
138	23.3	22.1	33.1
277	24.5	20.1	30.1

Manual Integrations

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Reviewed By : Christian Giraldo 03/24/2023

Supervised By : Jagrut Upadhyay 03/24/2023



#88

Benzo(b)fluoranthene

Concen: 18.841 ng

RT: 23.221 min Scan# 3389

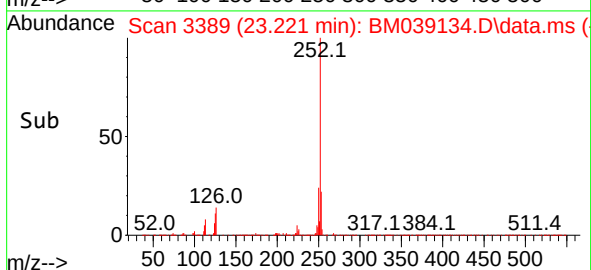
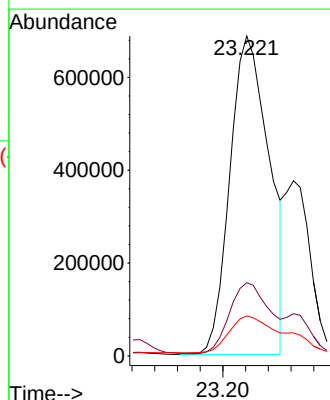
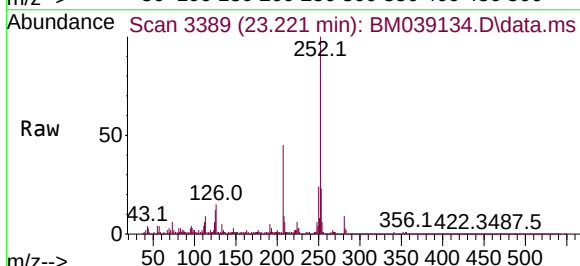
Delta R.T. 0.000 min

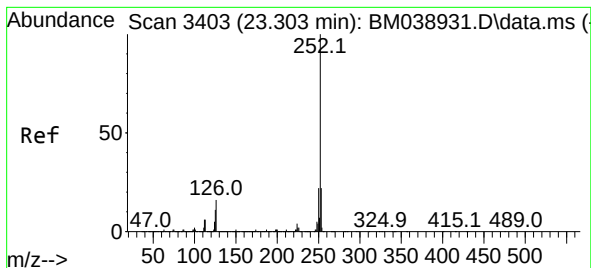
Lab File: BM039134.D

Acq: 24 Mar 2023 02:22

Tgt Ion: 252 Resp: 1651142

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.6	26.4
125	12.5	8.8	13.2





#89

Benzo(k)fluoranthene

Concen: 6.281 ng m

RT: 23.262 min Scan# 3403

Delta R.T. -0.006 min

Lab File: BM039134.D

Acq: 24 Mar 2023 02:22

Instrument :

BNA_M

ClientSampleId :

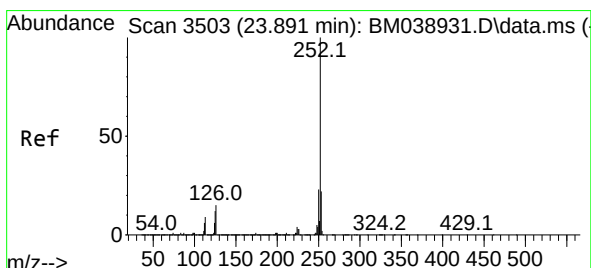
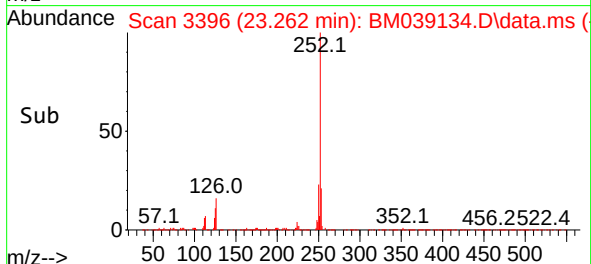
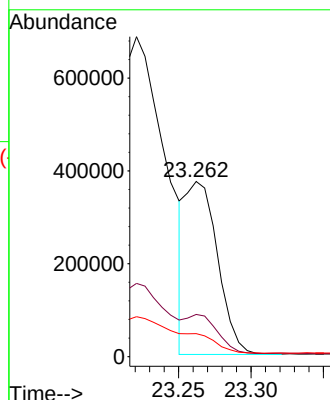
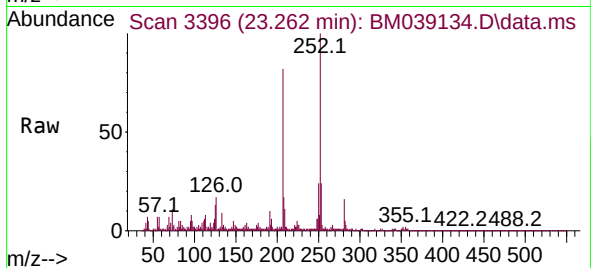
JPP-6A-031423DL

Tgt Ion:	252	Resp:	572805
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.5	26.3
125	13.1	8.9	13.3

Manual Integrations

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Reviewed By :Christian Giraldo 03/24/2023
Supervised By :Jagrut Upadhyay 03/24/2023



#90

Benzo(a)pyrene

Concen: 14.532 ng

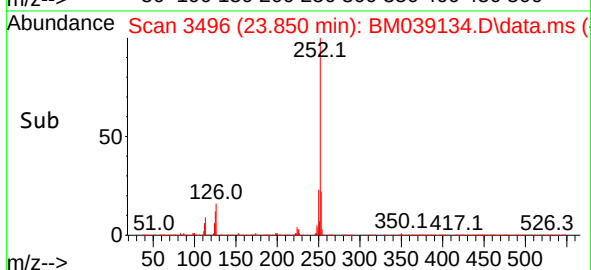
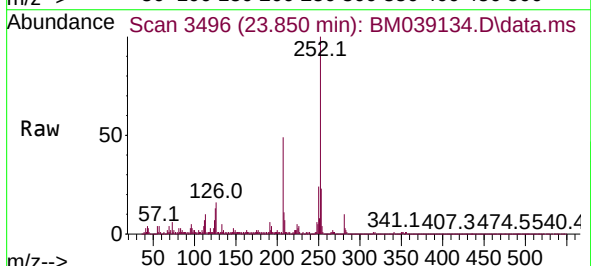
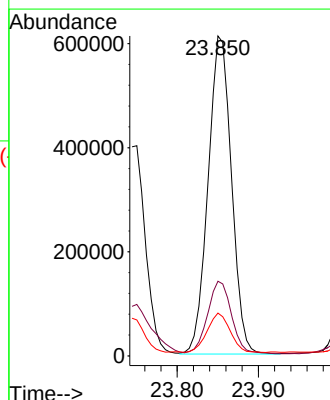
RT: 23.850 min Scan# 3496

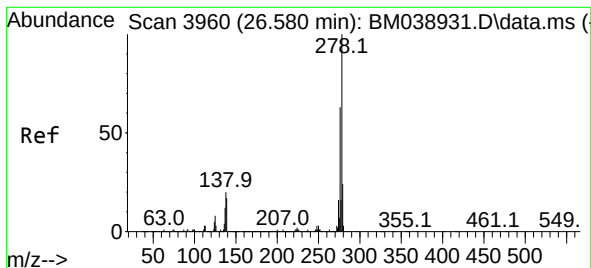
Delta R.T. -0.006 min

Lab File: BM039134.D

Acq: 24 Mar 2023 02:22

Tgt Ion:	252	Resp:	1225660
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.6	26.4
125	13.4	9.8	14.8





#91

Dibenzo(a,h)anthracene

Concen: 2.465 ng

RT: 26.497 min Scan# 39

Delta R.T. -0.012 min

Lab File: BM039134.D

Acq: 24 Mar 2023 02:22

Instrument :

BNA_M

ClientSampleId :

JPP-6A-031423DL

Tgt Ion:278 Resp: 21793

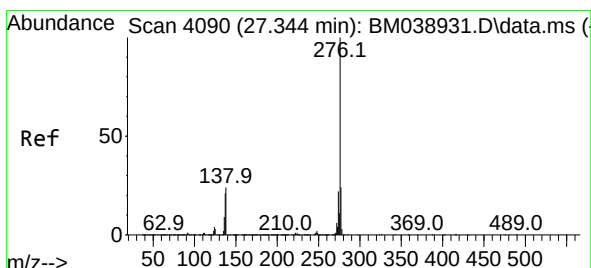
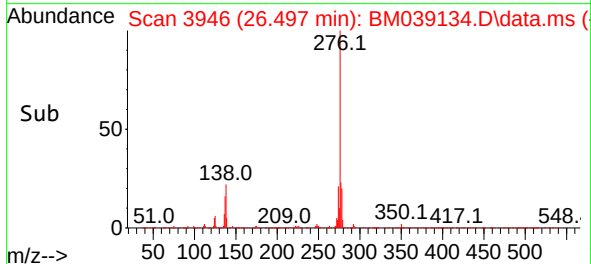
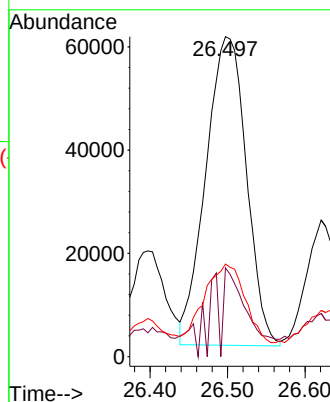
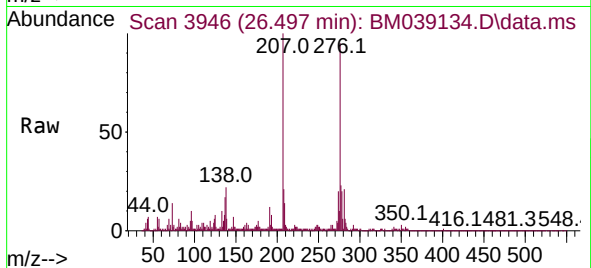
Ion	Ratio	Lower	Upper
278	100		
139	27.7	13.7	20.5
279	28.9	18.9	28.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/24/2023

Supervised By :Jagrut Upadhyay 03/24/2023



#92

Benzo(g,h,i)perylene

Concen: 9.610 ng

RT: 27.274 min Scan# 4078

Delta R.T. 0.000 min

Lab File: BM039134.D

Acq: 24 Mar 2023 02:22

Tgt Ion:276 Resp: 831069

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.3	28.9
138	24.7	19.0	28.6

