

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041323\
 Data File : BM039424.D
 Acq On : 13 Apr 2023 23:21
 Operator : CG/JU
 Sample : 02324-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RT-3419

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/14/2023
 Supervised By : Jagrut Upadhyay 04/14/2023

Quant Time: Apr 14 05:19:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 11 16:05:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.851	152	181363	20.000	ng	-0.01
21) Naphthalene-d8	10.663	136	743648	20.000	ng	-0.01
39) Acenaphthene-d10	14.510	164	445817	20.000	ng	0.00
64) Phenanthrene-d10	17.262	188	938650	20.000	ng	0.00
76) Chrysene-d12	21.450	240	854248	20.000	ng	-0.01
86) Perylene-d12	23.838	264	938680	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1264049	105.006	ng	0.01
7) Phenol-d6	7.057	99	1637081	105.143	ng	0.02
23) Nitrobenzene-d5	9.028	82	991381	64.793	ng	0.00
42) 2,4,6-Tribromophenol	16.010	330	574413	101.500	ng	0.00
45) 2-Fluorobiphenyl	13.133	172	2130672	64.755	ng	0.00
79) Terphenyl-d14	19.892	244	3278760	70.913	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.233	152	396855	9.058	ng	99
58) Fluorene	15.563	166	122513	3.715	ng	98
70) Pentachlorophenol	16.921	266	52339	6.712	ng	99
71) Phenanthrene	17.304	178	1511345	29.399	ng	100
72) Anthracene	17.398	178	808162	15.417	ng	100
73) Carbazole	17.680	167	164187	3.352	ng	99
75) Fluoranthene	19.327	202	2477916	42.284	ng	99
78) Pyrene	19.686	202	2733422	44.948	ng	99
81) Benzo(a)anthracene	21.433	228	1172600	19.463	ng	95
83) Chrysene	21.486	228	1282218	22.046	ng	97
84) Bis(2-ethylhexyl)phtha...	21.356	149	114186	2.775	ng	98
87) Indeno(1,2,3-cd)pyrene	26.309	276	640730	9.264	ng	95
88) Benzo(b)fluoranthene	23.115	252	1536051	26.744	ng	98
89) Benzo(k)fluoranthene	23.156	252	463273m	7.919	ng	
90) Benzo(a)pyrene	23.733	252	1011159	17.921	ng	98
91) Dibenzo(a,h)anthracene	26.315	278	183439	3.159	ng	# 88
92) Benzo(g,h,i)perylene	27.074	276	654982	11.468	ng	99

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

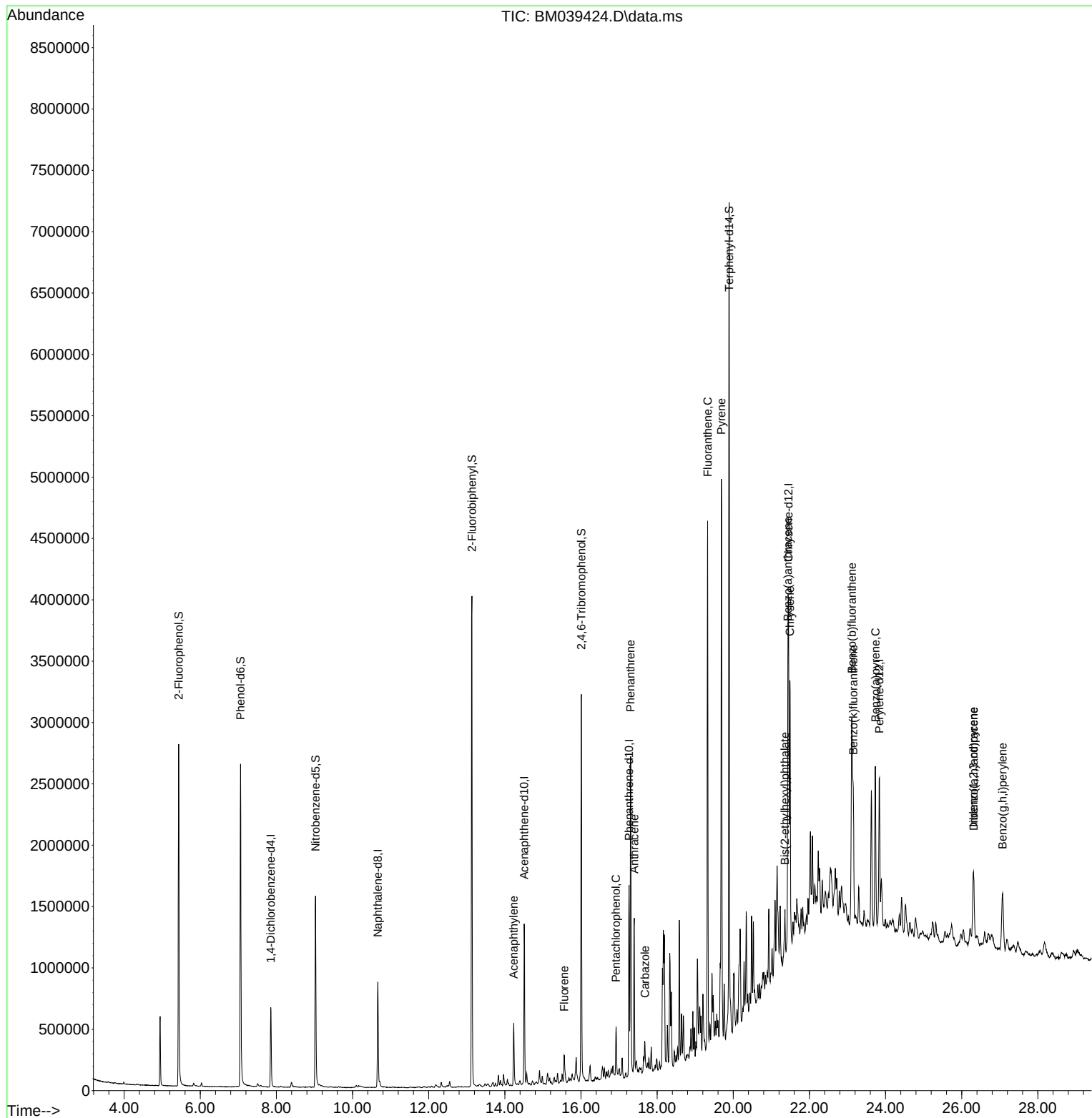
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041323\
Data File : BM039424.D
Acq On : 13 Apr 2023 23:21
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ALS Vial : 15 Sample Multiplier: 1

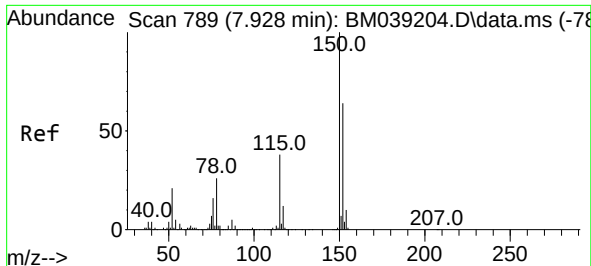
Instrument :
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Quant Time: Apr 14 05:19:26 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
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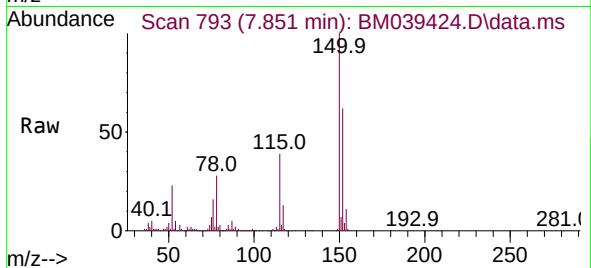
Reviewed By :Christian Giraldo 04/14/2023
Supervised By :Jagrut Upadhyay 04/14/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.851 min Scan# 793
Delta R.T. -0.012 min
Lab File: BM039424.D
Acq: 13 Apr 2023 23:21

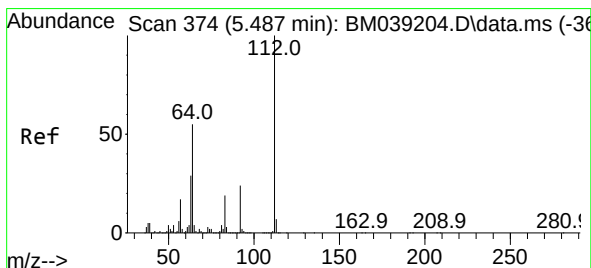
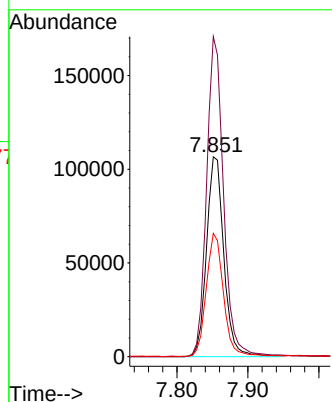
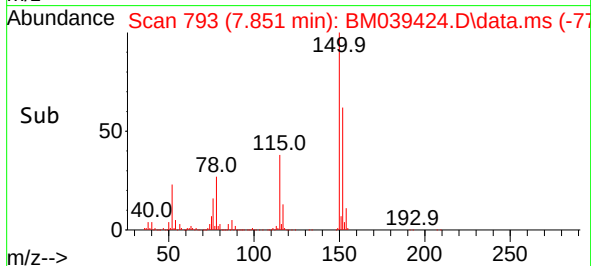
Instrument :
BNA_M
ClientSampleId :
RT-3419



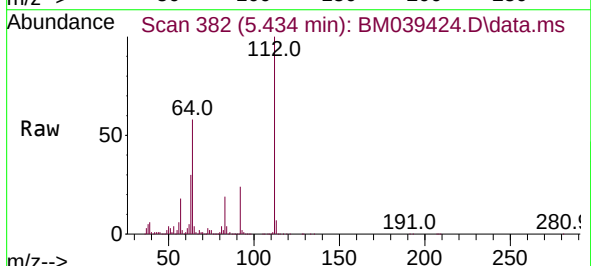
Tgt Ion:152 Resp: 18136
Ion Ratio Lower Upper
152 100
150 160.1 125.5 188.3
115 61.7 48.1 72.1

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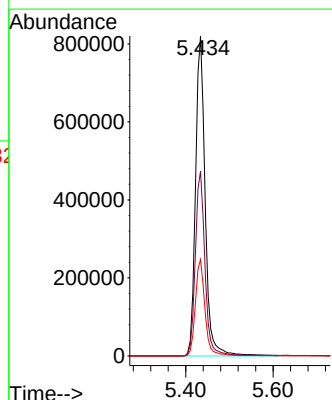
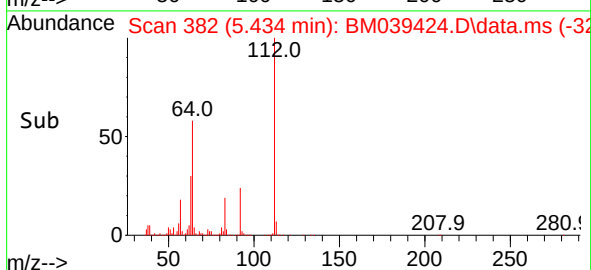
Reviewed By :Christian Giraldo 04/14/2023
Supervised By :Jagrut Upadhyay 04/14/2023

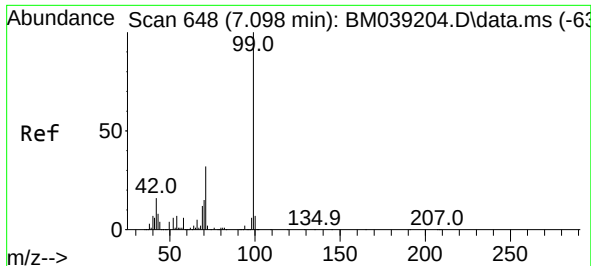


#5
2-Fluorophenol
Concen: 105.006 ng
RT: 5.434 min Scan# 382
Delta R.T. 0.012 min
Lab File: BM039424.D
Acq: 13 Apr 2023 23:21



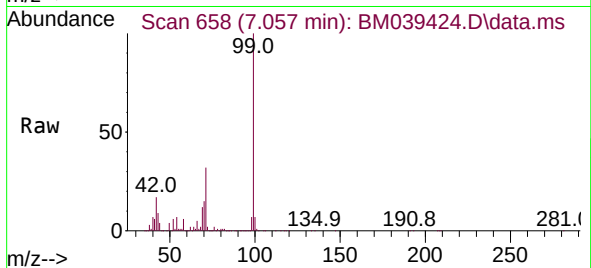
Tgt Ion:112 Resp: 1264049
Ion Ratio Lower Upper
112 100
64 57.8 44.3 66.5
63 30.1 23.0 34.6





#7
Phenol-d6
Concen: 105.143 ng
RT: 7.057 min Scan# 61
Delta R.T. 0.024 min
Lab File: BM039424.D
Acq: 13 Apr 2023 23:21

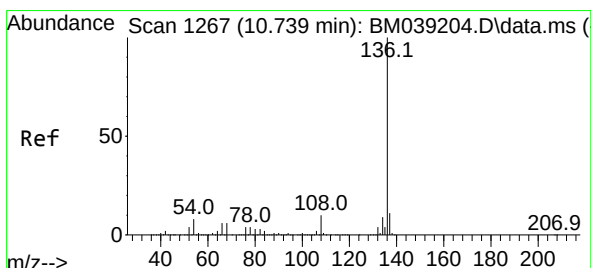
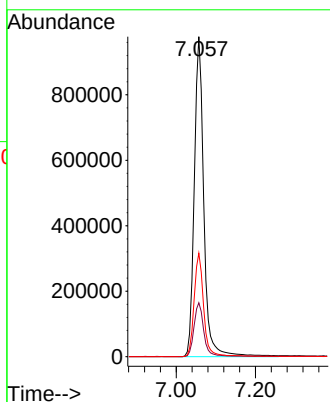
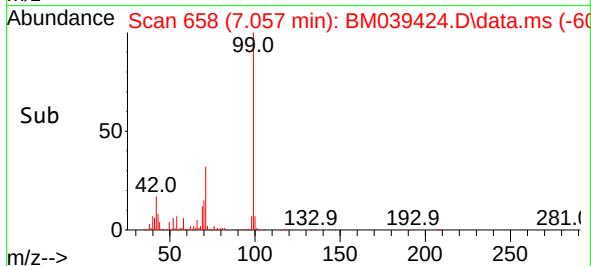
Instrument :
BNA_M
ClientSampleId :
RT-3419



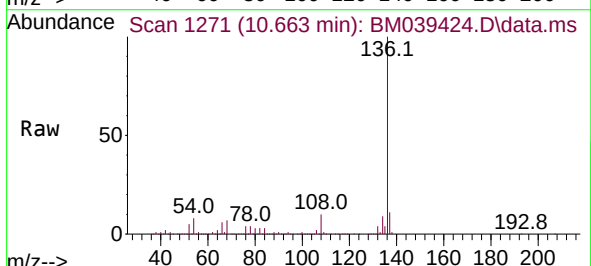
Tgt Ion: 99 Resp: 163708
Ion Ratio Lower Upper
99 100
42 16.8 13.0 19.6
71 32.3 25.5 38.3

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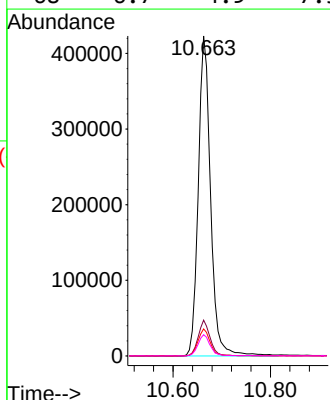
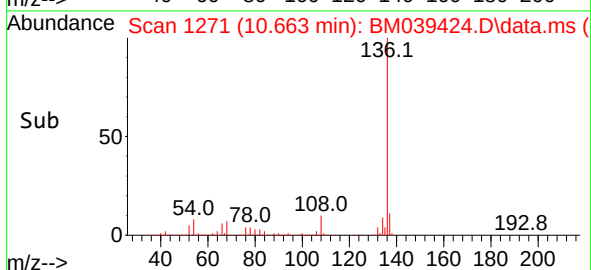
Reviewed By :Christian Giraldo 04/14/2023
Supervised By :Jagrut Upadhyay 04/14/2023

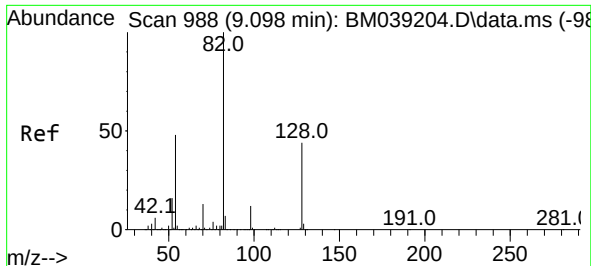


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1271
Delta R.T. -0.012 min
Lab File: BM039424.D
Acq: 13 Apr 2023 23:21



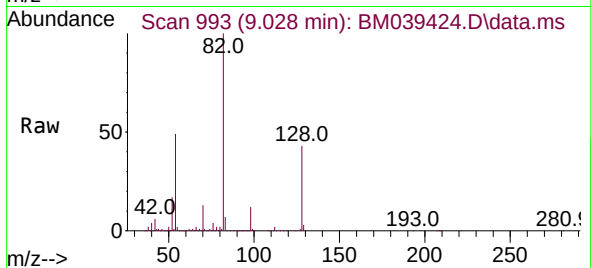
Tgt Ion:136 Resp: 743648
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 8.5 6.2 9.4
68 6.7 4.9 7.3





#23
Nitrobenzene-d5
Concen: 64.793 ng
RT: 9.028 min Scan# 993
Delta R.T. -0.006 min
Lab File: BM039424.D
Acq: 13 Apr 2023 23:21

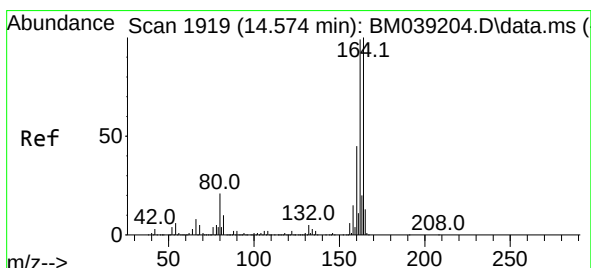
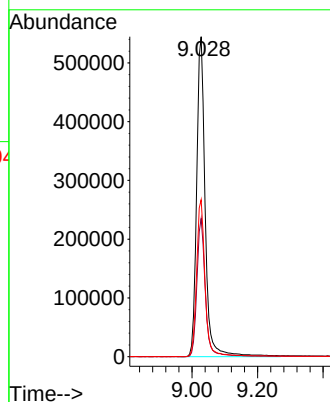
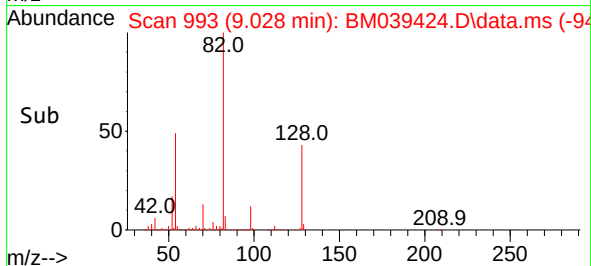
Instrument :
BNA_M
ClientSampleId :
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Tgt Ion: 82 Resp: 99138
Ion Ratio Lower Upper
82 100
128 43.2 35.1 52.7
54 49.1 38.5 57.7

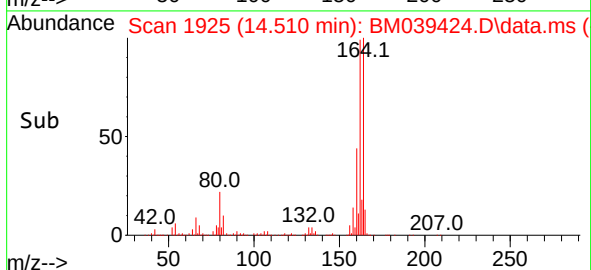
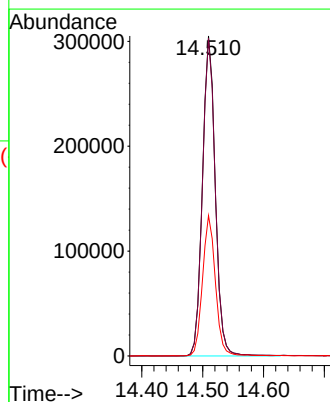
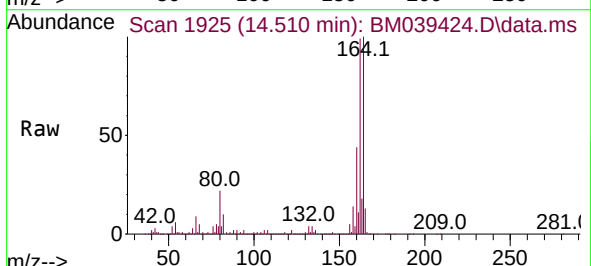
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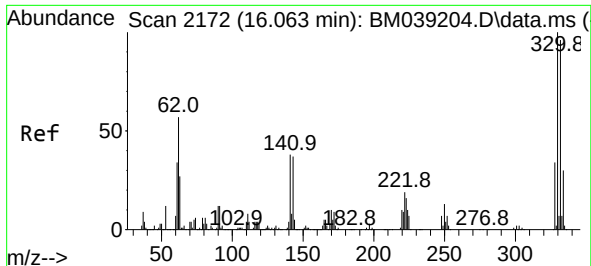
Reviewed By :Christian Giraldo 04/14/2023
Supervised By :Jagrut Upadhyay 04/14/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.510 min Scan# 1925
Delta R.T. -0.006 min
Lab File: BM039424.D
Acq: 13 Apr 2023 23:21

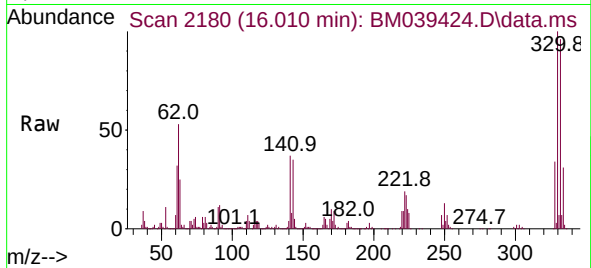
Tgt Ion:164 Resp: 445817
Ion Ratio Lower Upper
164 100
162 99.3 79.1 118.7
160 43.9 35.8 53.8





#42
2,4,6-Tribromophenol
Concen: 101.500 ng
RT: 16.010 min Scan# 2172
Delta R.T. -0.006 min
Lab File: BM039424.D
Acq: 13 Apr 2023 23:21

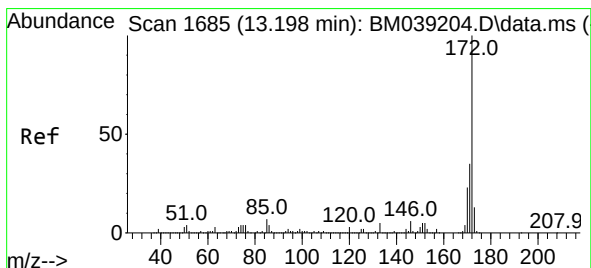
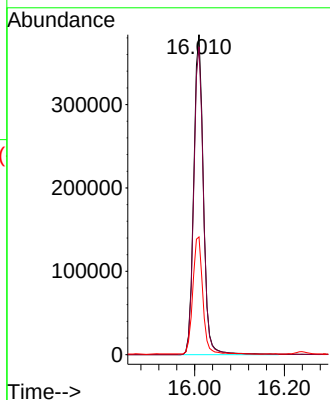
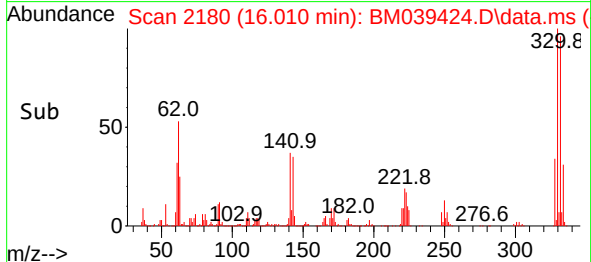
Instrument :
BNA_M
ClientSampleId :
RT-3419



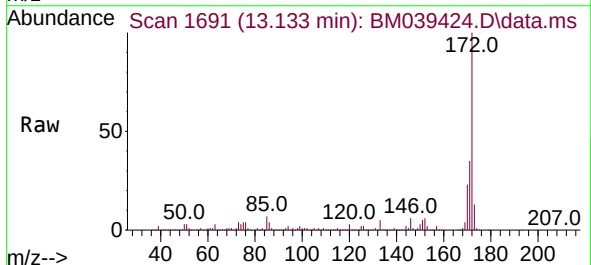
Tgt Ion:330 Resp: 57441
Ion Ratio Lower Upper
330 100
332 96.1 77.4 116.0
141 38.0 29.8 44.6

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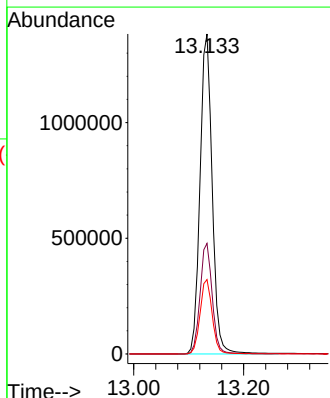
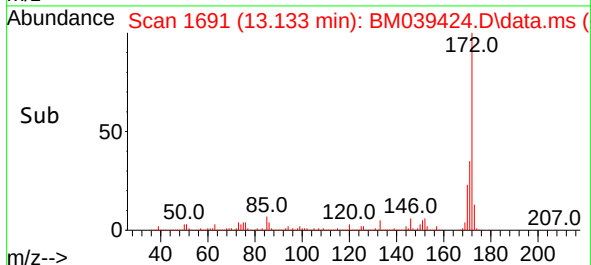
Reviewed By :Christian Giraldo 04/14/2023
Supervised By :Jagrut Upadhyay 04/14/2023

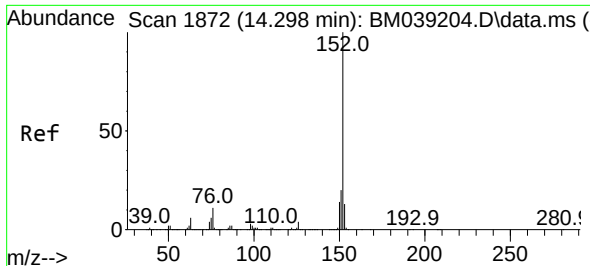


#45
2-Fluorobiphenyl
Concen: 64.755 ng
RT: 13.133 min Scan# 1691
Delta R.T. -0.006 min
Lab File: BM039424.D
Acq: 13 Apr 2023 23:21



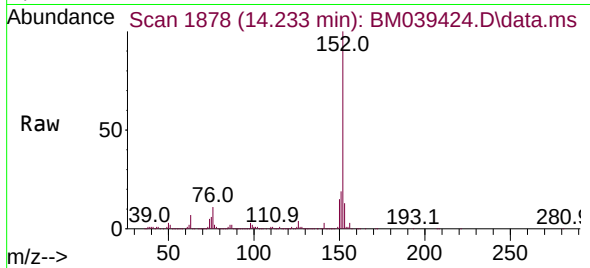
Tgt Ion:172 Resp: 2130672
Ion Ratio Lower Upper
172 100
171 34.6 28.0 42.0
170 23.2 18.7 28.1





#49
Acenaphthylene
Concen: 9.058 ng
RT: 14.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM039424.D
Acq: 13 Apr 2023 23:21

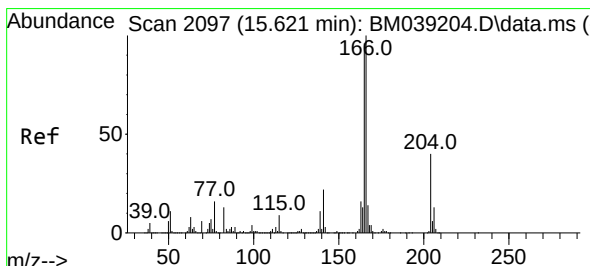
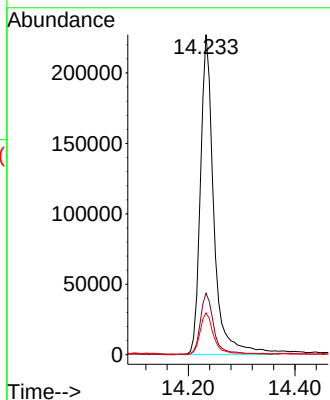
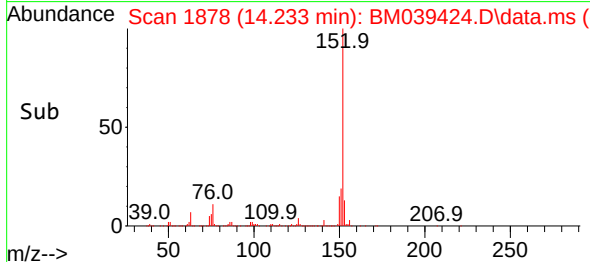
Instrument :
BNA_M
ClientSampleId :
RT-3419



Tgt Ion:152 Resp: 39685
Ion Ratio Lower Upper
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151 19.2 15.7 23.5
153 13.1 10.3 15.5

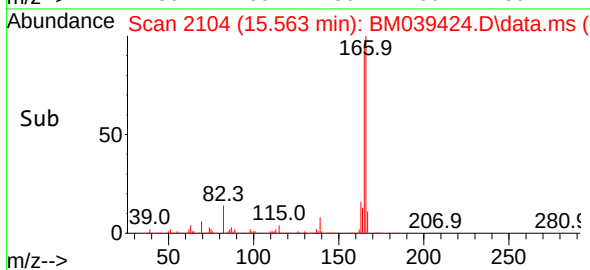
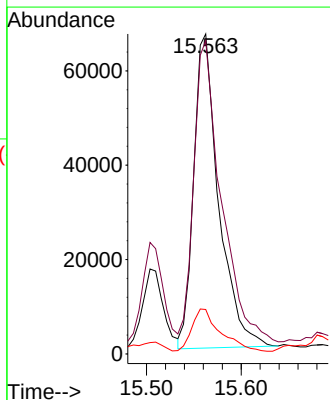
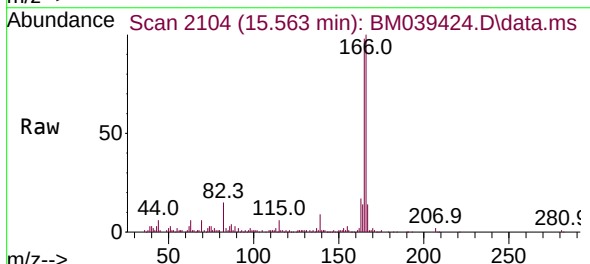
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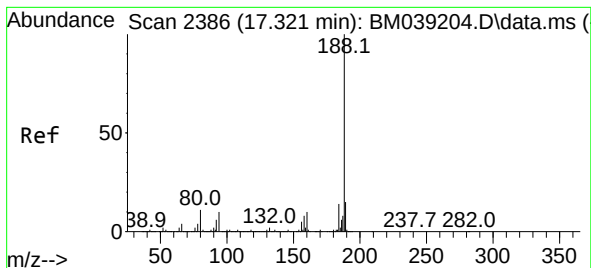
Reviewed By :Christian Giraldo 04/14/2023
Supervised By :Jagrut Upadhyay 04/14/2023



#58
Fluorene
Concen: 3.715 ng
RT: 15.563 min Scan# 2104
Delta R.T. -0.006 min
Lab File: BM039424.D
Acq: 13 Apr 2023 23:21

Tgt Ion:166 Resp: 122513
Ion Ratio Lower Upper
166 100
165 97.9 76.9 115.3
167 13.9 10.8 16.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.262 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM039424.D

Acq: 13 Apr 2023 23:21

Instrument :

BNA_M

ClientSampleId :

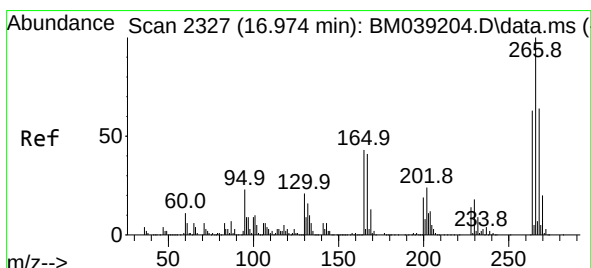
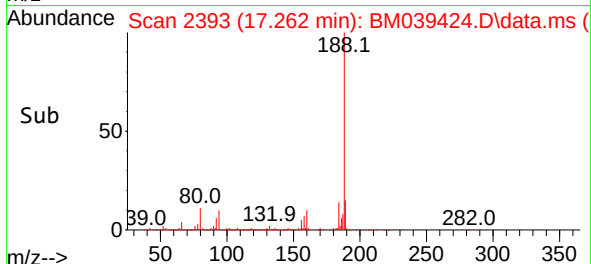
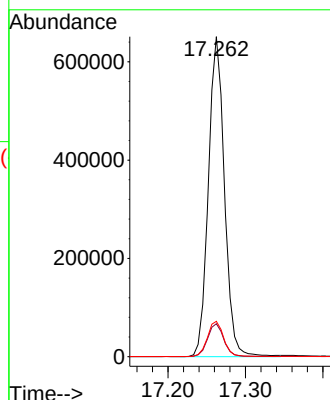
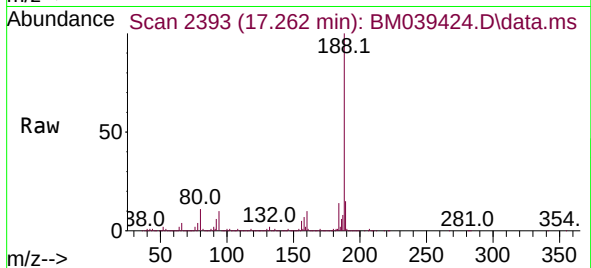
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Tgt Ion:188	Resp: 938650
Ion Ratio	Lower Upper
188 100	
94 10.3	8.2 12.4
80 11.1	8.9 13.3

Manual Integrations

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Reviewed By :Christian Giraldo 04/14/2023
Supervised By :Jagrut Upadhyay 04/14/2023



#70

Pentachlorophenol

Concen: 6.712 ng

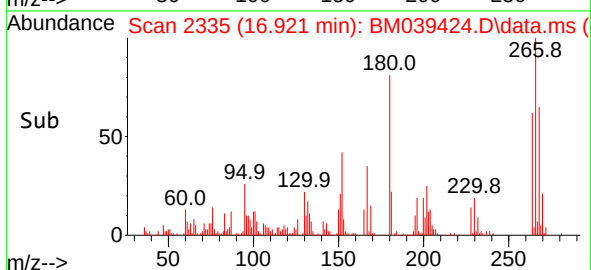
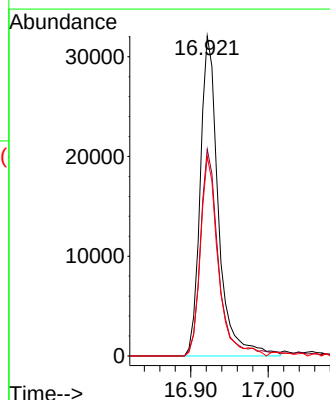
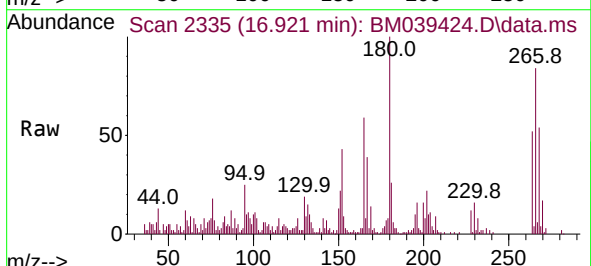
RT: 16.921 min Scan# 2335

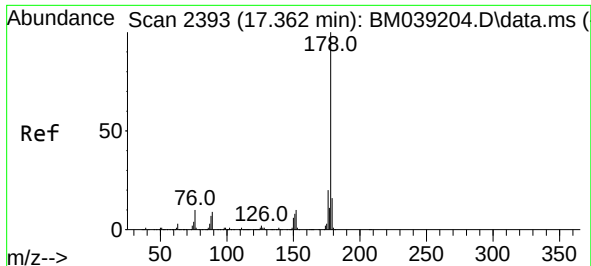
Delta R.T. 0.000 min

Lab File: BM039424.D

Acq: 13 Apr 2023 23:21

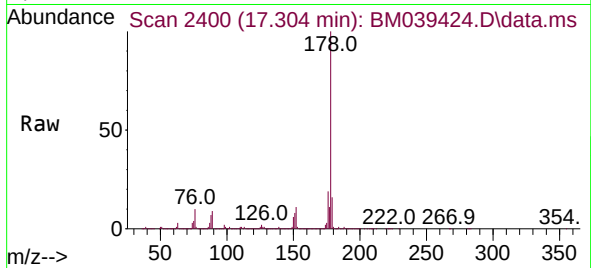
Tgt Ion:266	Resp: 52339
Ion Ratio	Lower Upper
266 100	
268 64.6	51.4 77.2
264 62.3	50.2 75.4





#71
Phenanthrene
Concen: 29.399 ng
RT: 17.304 min Scan# 2410
Delta R.T. -0.006 min
Lab File: BM039424.D
Acq: 13 Apr 2023 23:21

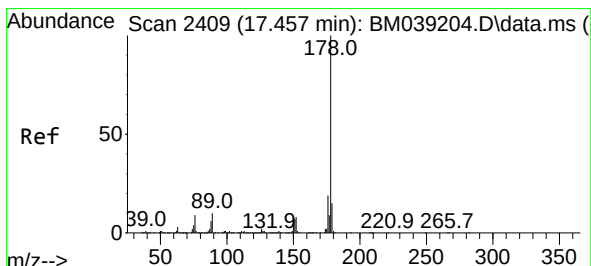
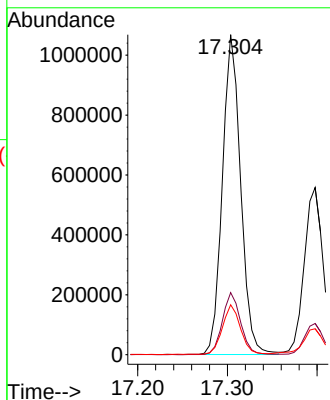
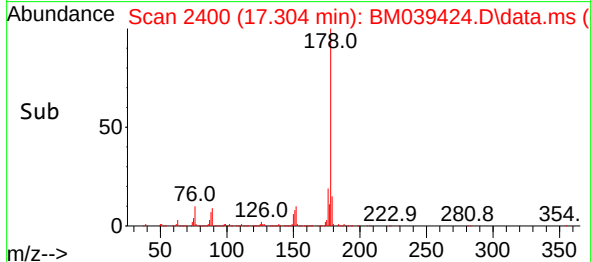
Instrument :
BNA_M
ClientSampleId :
RT-3419



Tgt Ion:178 Resp: 151134
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 15.6 12.4 18.6

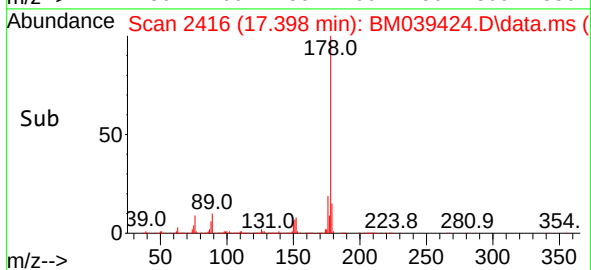
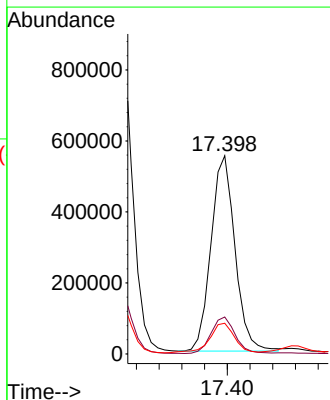
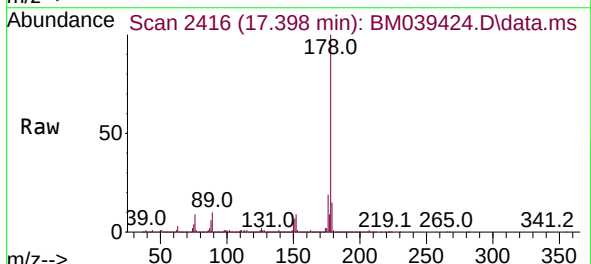
Manual Integrations
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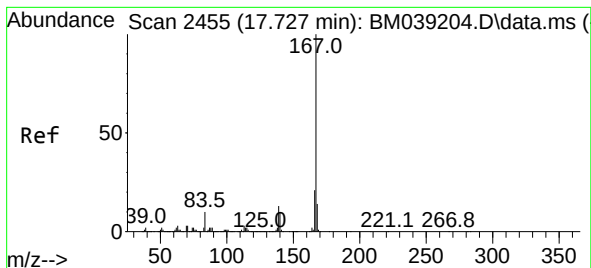
Reviewed By :Christian Giraldo 04/14/2023
Supervised By :Jagrut Upadhyay 04/14/2023



#72
Anthracene
Concen: 15.417 ng
RT: 17.398 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BM039424.D
Acq: 13 Apr 2023 23:21

Tgt Ion:178 Resp: 808162
Ion Ratio Lower Upper
178 100
176 18.7 14.9 22.3
179 15.5 12.2 18.2





#73

Carbazole

Concen: 3.352 ng

RT: 17.680 min Scan# 2455

Delta R.T. 0.000 min

Lab File: BM039424.D

Acq: 13 Apr 2023 23:21

Instrument :

BNA_M

ClientSampleId :

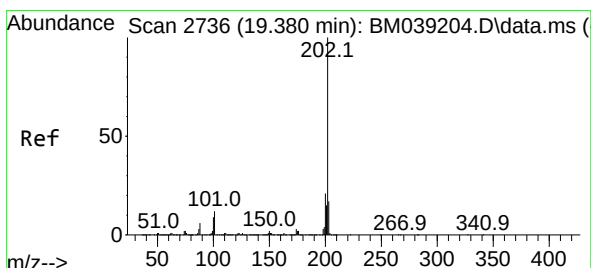
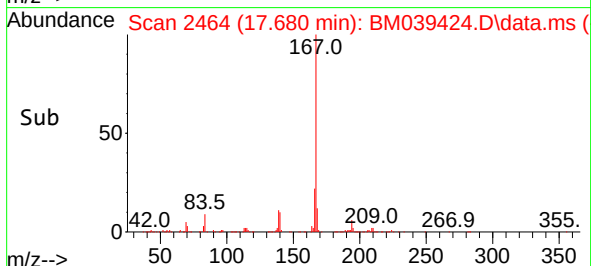
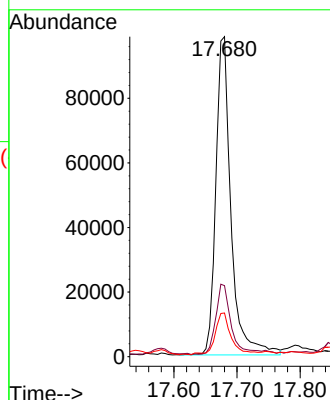
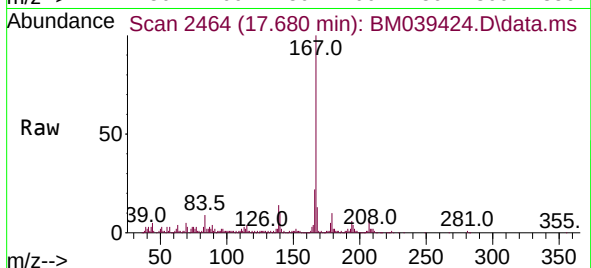
RT-3419

Tgt Ion:167 Resp: 16418
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.2 25.8
 139 13.7 10.6 16.0

Manual Integrations

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Reviewed By :Christian Giraldo 04/14/2023
 Supervised By :Jagrut Upadhyay 04/14/2023



#75

Fluoranthene

Concen: 42.284 ng

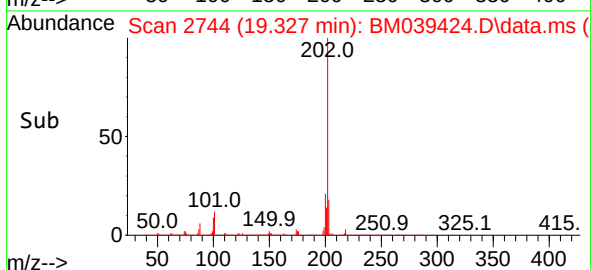
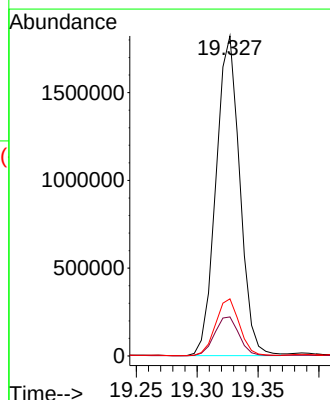
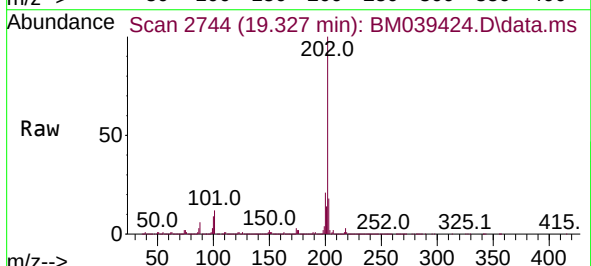
RT: 19.327 min Scan# 2744

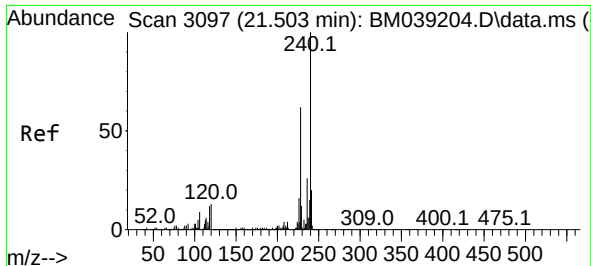
Delta R.T. -0.006 min

Lab File: BM039424.D

Acq: 13 Apr 2023 23:21

Tgt Ion:202 Resp: 2477916
 Ion Ratio Lower Upper
 202 100
 101 12.2 0.0 32.5
 203 17.9 0.0 37.5





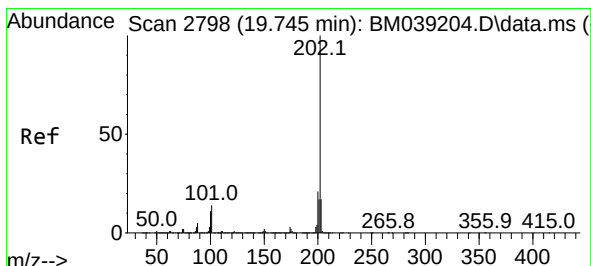
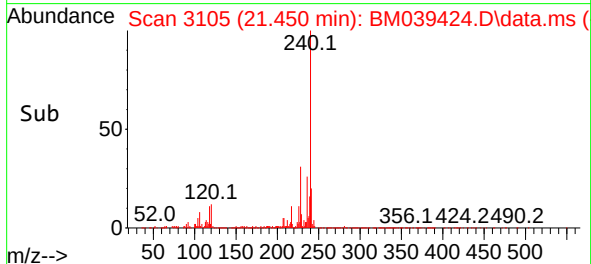
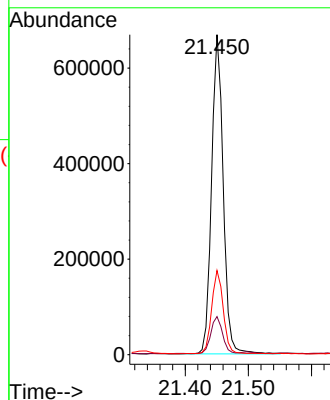
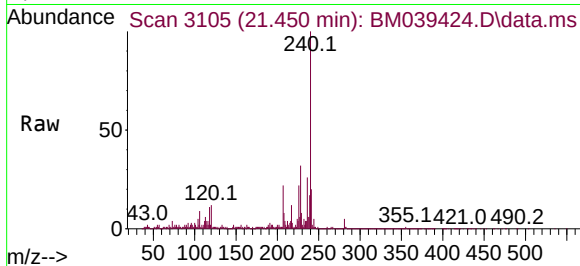
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.450 min Scan# 3105
Delta R.T. -0.012 min
Lab File: BM039424.D
Acq: 13 Apr 2023 23:21

Instrument :
BNA_M
ClientSampleId :
RT-3419

Tgt Ion:240 Resp: 854248
Ion Ratio Lower Upper
240 100
120 11.9 10.2 15.2
236 26.3 20.9 31.3

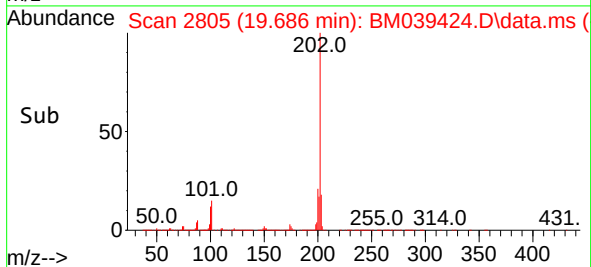
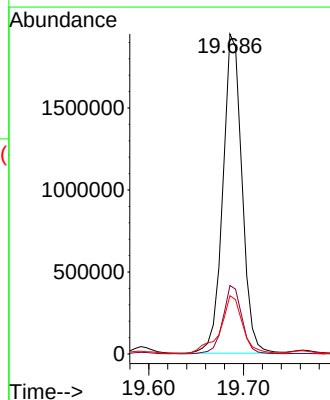
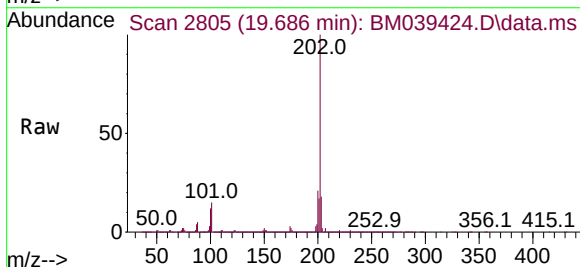
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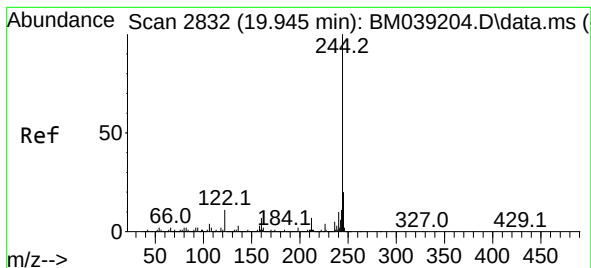
Reviewed By :Christian Giraldo 04/14/2023
Supervised By :Jagrut Upadhyay 04/14/2023



#78
Pyrene
Concen: 44.948 ng
RT: 19.686 min Scan# 2805
Delta R.T. -0.012 min
Lab File: BM039424.D
Acq: 13 Apr 2023 23:21

Tgt Ion:202 Resp: 2733422
Ion Ratio Lower Upper
202 100
200 21.4 17.1 25.7
203 18.2 13.9 20.9





#79

Terphenyl-d14

Concen: 70.913 ng

RT: 19.892 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM039424.D

Acq: 13 Apr 2023 23:21

Instrument :

BNA_M

ClientSampleId :

RT-3419

Tgt Ion:244 Resp: 3278760

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

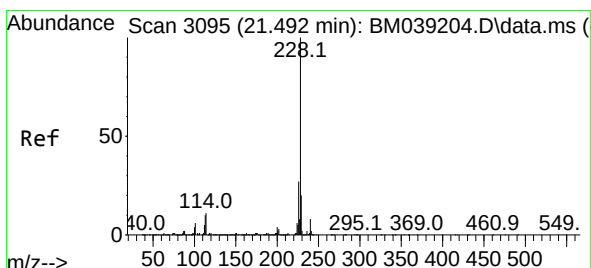
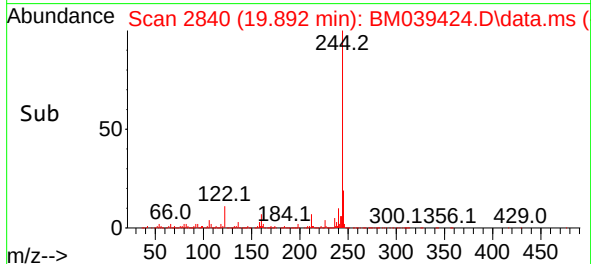
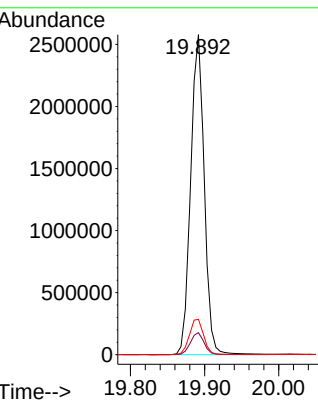
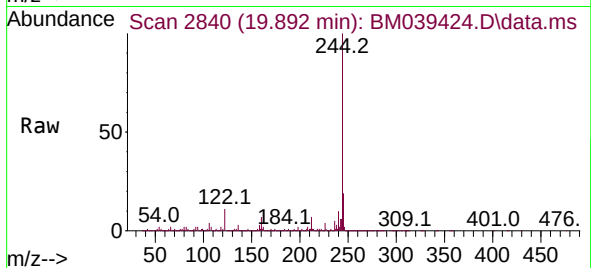
122 11.0 9.1 13.7

Manual Integrations

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Reviewed By :Christian Giraldo 04/14/2023

Supervised By :Jagrut Upadhyay 04/14/2023



#81

Benzo(a)anthracene

Concen: 19.463 ng

RT: 21.433 min Scan# 3102

Delta R.T. -0.012 min

Lab File: BM039424.D

Acq: 13 Apr 2023 23:21

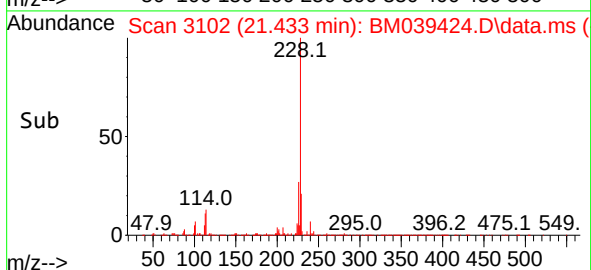
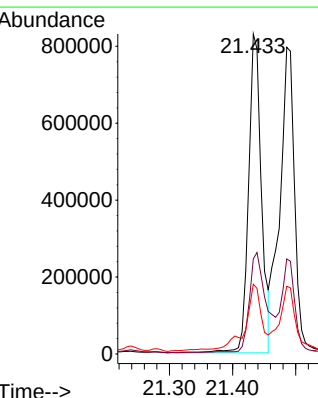
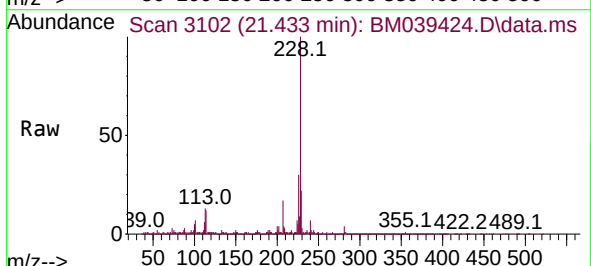
Tgt Ion:228 Resp: 1172600

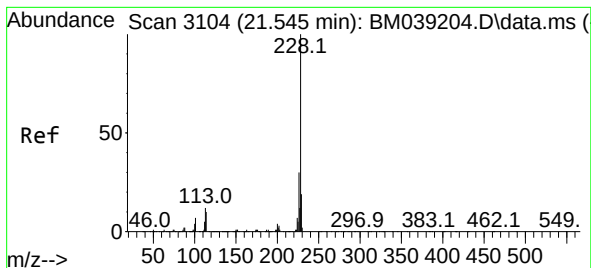
Ion Ratio Lower Upper

228 100

226 29.7 21.9 32.9

229 21.8 15.8 23.6





#83

Chrysene

Concen: 22.046 ng

RT: 21.486 min Scan# 3104

Delta R.T. -0.018 min

Lab File: BM039424.D

Acq: 13 Apr 2023 23:21

Instrument :

BNA_M

ClientSampleId :

RT-3419

Tgt Ion:228 Resp: 1282218

Ion Ratio Lower Upper

228 100

226 31.0 24.1 36.1

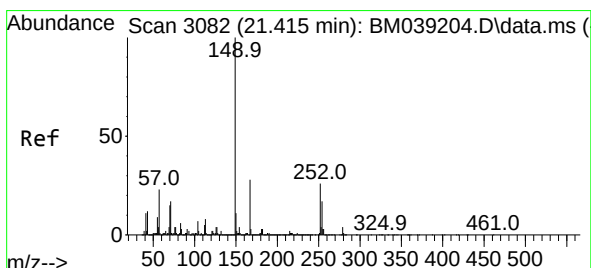
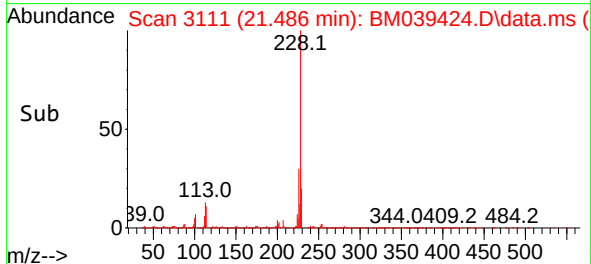
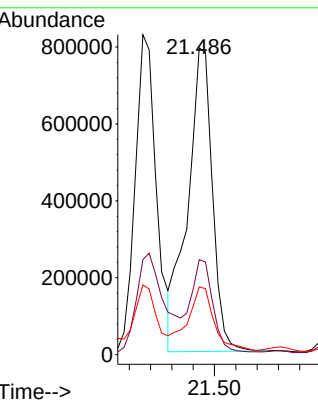
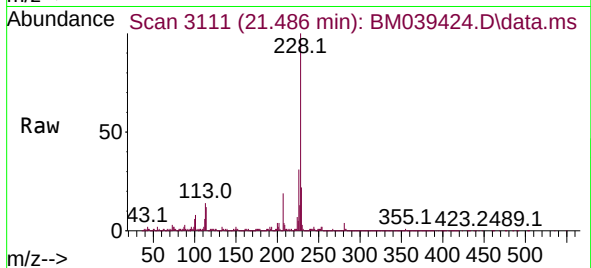
229 22.1 15.5 23.3

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Reviewed By :Christian Giraldo 04/14/2023

Supervised By :Jagrut Upadhyay 04/14/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.775 ng

RT: 21.356 min Scan# 3089

Delta R.T. -0.018 min

Lab File: BM039424.D

Acq: 13 Apr 2023 23:21

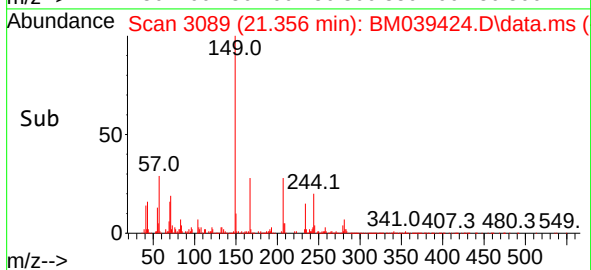
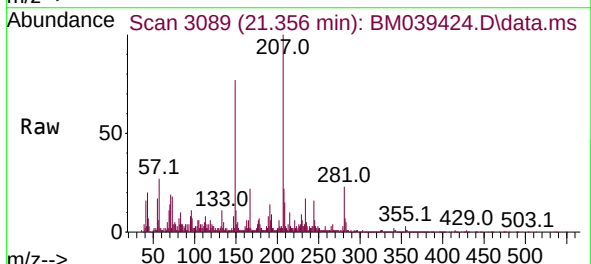
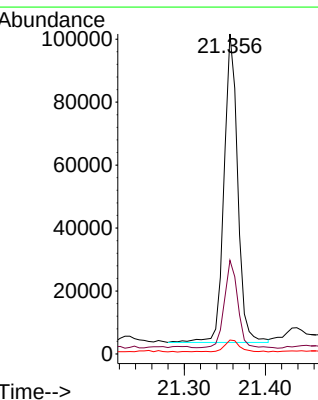
Tgt Ion:149 Resp: 114186

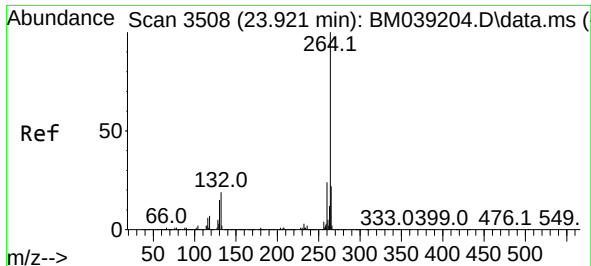
Ion Ratio Lower Upper

149 100

167 29.2 22.3 33.5

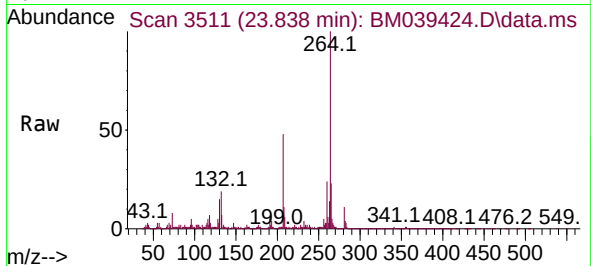
279 4.4 3.4 5.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.838 min Scan# 3511
Delta R.T. -0.012 min
Lab File: BM039424.D
Acq: 13 Apr 2023 23:21

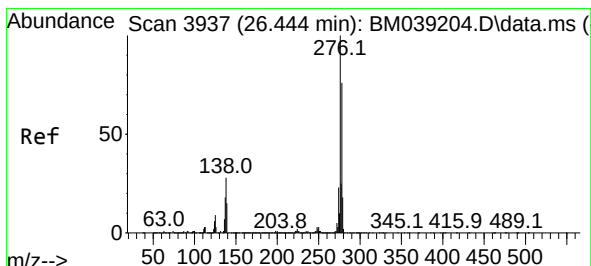
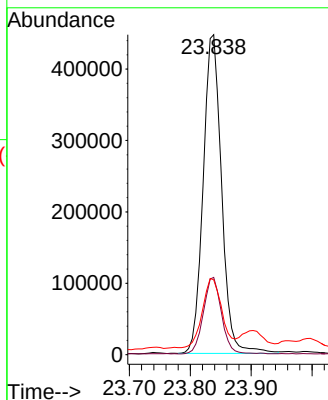
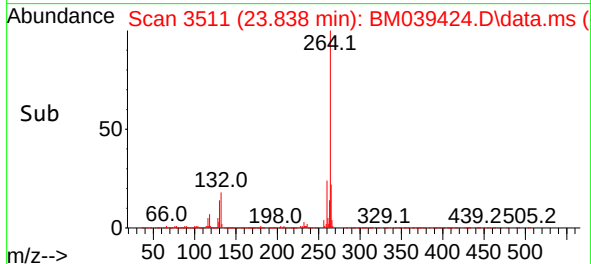
Instrument :
BNA_M
ClientSampleId :
RT-3419



Tgt Ion:264 Resp: 938680
Ion Ratio Lower Upper
264 100
260 24.2 19.0 28.6
265 23.4 18.1 27.1

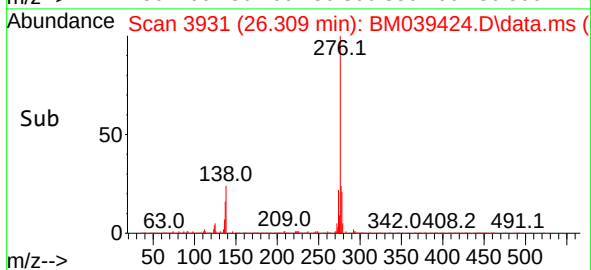
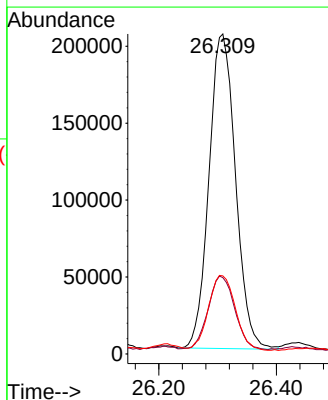
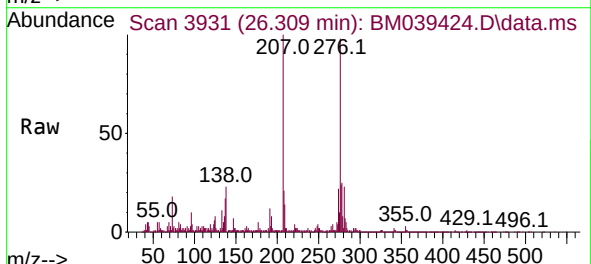
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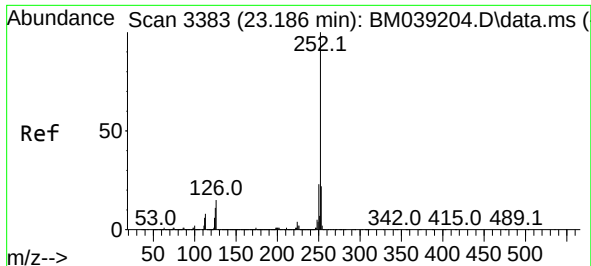
Reviewed By :Christian Giraldo 04/14/2023
Supervised By :Jagrut Upadhyay 04/14/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 9.264 ng
RT: 26.309 min Scan# 3931
Delta R.T. -0.029 min
Lab File: BM039424.D
Acq: 13 Apr 2023 23:21

Tgt Ion:276 Resp: 640730
Ion Ratio Lower Upper
276 100
138 23.4 22.2 33.2
277 24.2 20.2 30.2





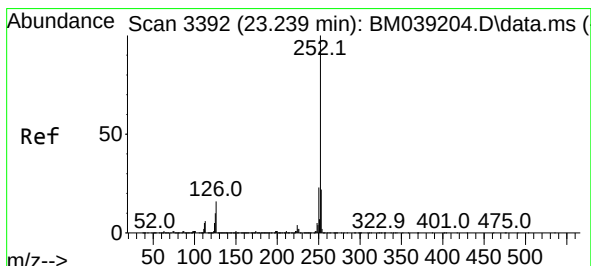
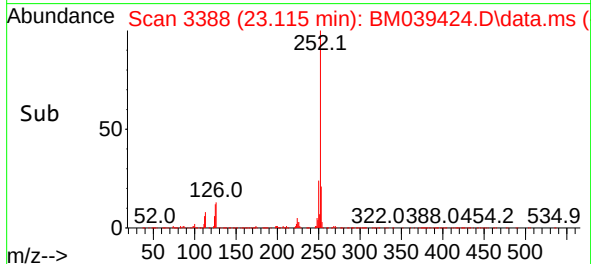
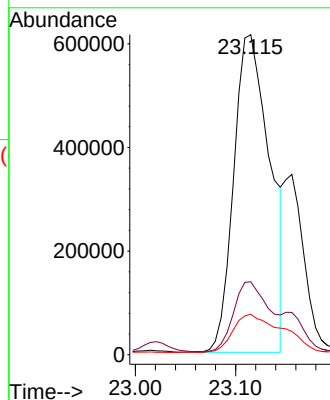
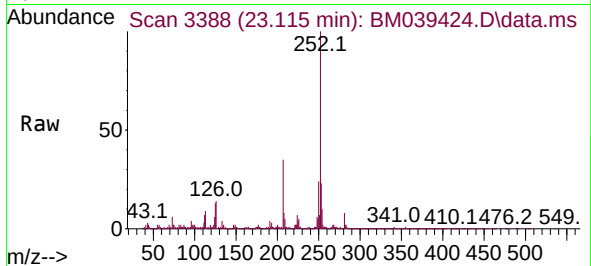
#88
Benzo(b)fluoranthene
Concen: 26.744 ng
RT: 23.115 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM039424.D
Acq: 13 Apr 2023 23:21

Instrument :
BNA_M
ClientSampleId :
RT-3419

Tgt Ion:252 Resp: 153605
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 12.7 9.0 13.6

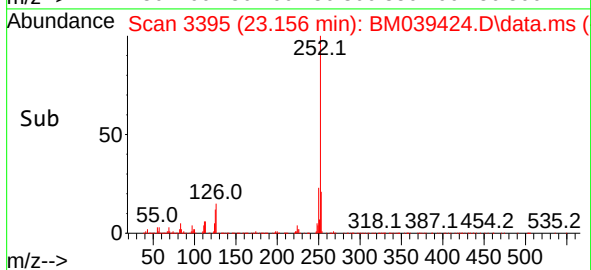
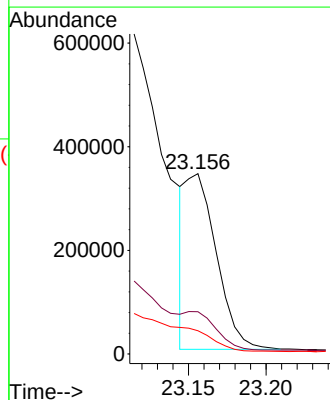
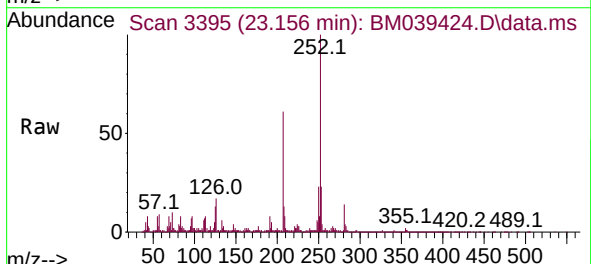
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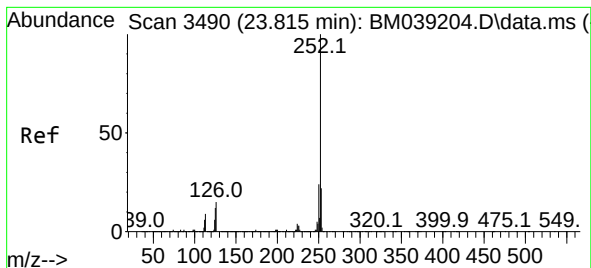
Reviewed By :Christian Giraldo 04/14/2023
Supervised By :Jagrut Upadhyay 04/14/2023



#89
Benzo(k)fluoranthene
Concen: 7.919 ng m
RT: 23.156 min Scan# 3395
Delta R.T. -0.018 min
Lab File: BM039424.D
Acq: 13 Apr 2023 23:21

Tgt Ion:252 Resp: 463273
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 12.8 8.5 12.7#





#90

Benzo(a)pyrene

Concen: 17.921 ng

RT: 23.733 min Scan# 34

Delta R.T. -0.018 min

Lab File: BM039424.D

Acq: 13 Apr 2023 23:21

Instrument :

BNA_M

ClientSampleId :

RT-3419

Tgt Ion:252 Resp: 101115

Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

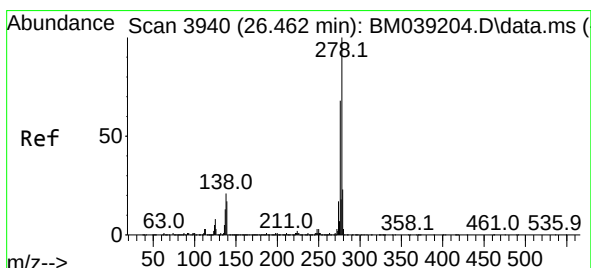
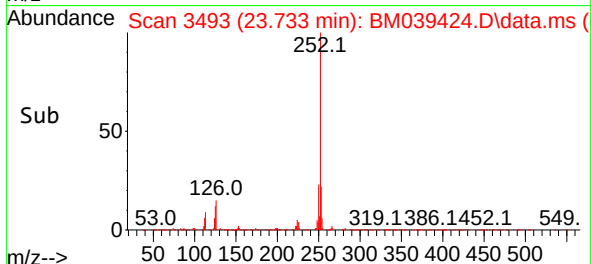
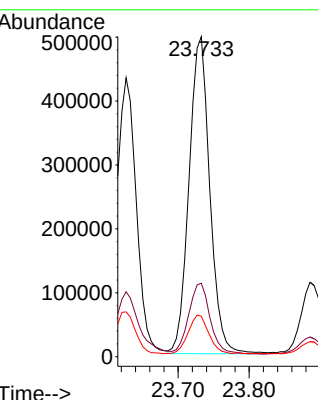
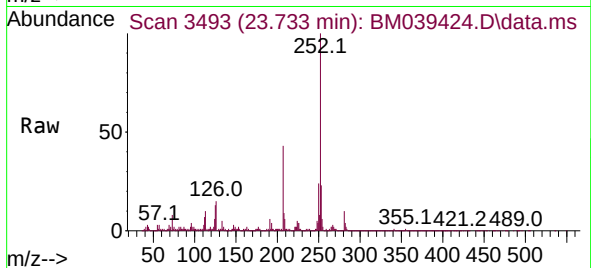
125 12.6 9.8 14.6

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Reviewed By :Christian Giraldo 04/14/2023

Supervised By :Jagrut Upadhyay 04/14/2023



#91

Dibenzo(a,h)anthracene

Concen: 3.159 ng

RT: 26.315 min Scan# 3932

Delta R.T. -0.035 min

Lab File: BM039424.D

Acq: 13 Apr 2023 23:21

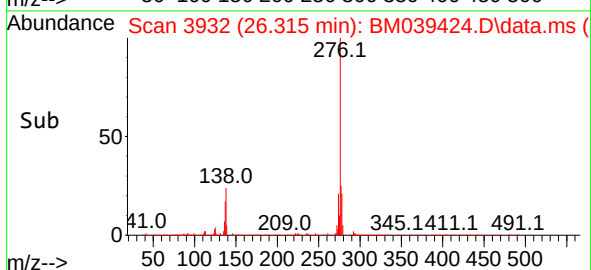
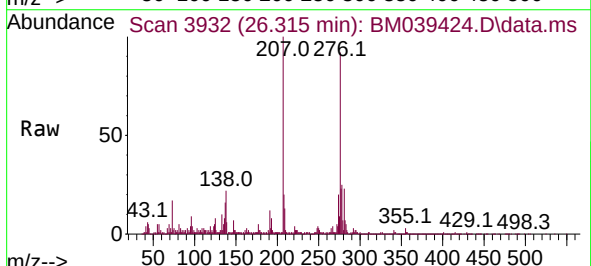
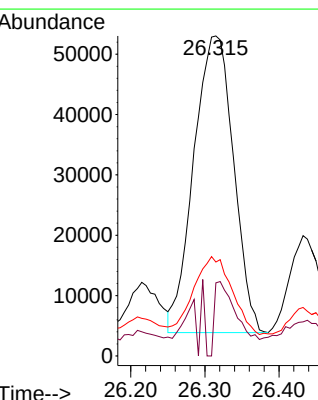
Tgt Ion:278 Resp: 183439

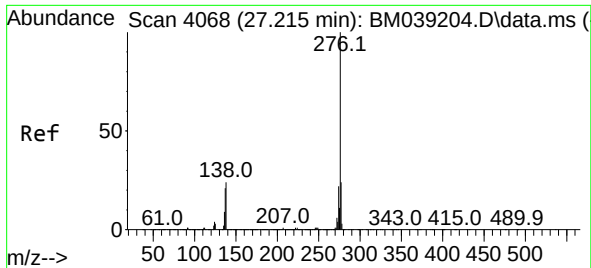
Ion Ratio Lower Upper

278 100

139 22.8 13.9 20.9#

279 29.4 18.8 28.2#





#92

Benzo(g,h,i)perylene

Concen: 11.468 ng

RT: 27.074 min Scan# 40

Delta R.T. -0.029 min

Lab File: BM039424.D

Acq: 13 Apr 2023 23:21

Instrument :

BNA_M

ClientSampleId :

RT-3419

Tgt Ion:276 Resp: 65498

Ion Ratio Lower Upper

276 100

277 24.8 19.1 28.7

138 24.2 19.5 29.3

Manual Integrations

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Reviewed By :Christian Giraldo 04/14/2023

Supervised By :Jagrut Upadhyay 04/14/2023

