

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041423\
 Data File : BM039436.D
 Acq On : 14 Apr 2023 16:34
 Operator : CG/JU
 Sample : 02307-01DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PL-02-041223DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/17/2023
 Supervised By : Jagrut Upadhyay 04/17/2023

Quant Time: Apr 14 17:58:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 14 17:54:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.851	152	203463	20.000	ng	0.00
21) Naphthalene-d8	10.663	136	839070	20.000	ng	0.00
39) Acenaphthene-d10	14.510	164	506066	20.000	ng	0.00
64) Phenanthrene-d10	17.257	188	1050268	20.000	ng	0.00
76) Chrysene-d12	21.450	240	923099	20.000	ng	0.00
86) Perylene-d12	23.833	264	985029	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	196100	14.521	ng	0.00
7) Phenol-d6	7.051	99	245902	14.078	ng	0.00
23) Nitrobenzene-d5	9.028	82	144673	8.380	ng	0.00
42) 2,4,6-Tribromophenol	16.004	330	85673	13.336	ng	0.00
45) 2-Fluorobiphenyl	13.127	172	352358	9.434	ng	0.00
79) Terphenyl-d14	19.886	244	529411	10.596	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.233	152	124892	2.511	ng	99
52) Acenaphthene	14.569	154	78827	2.684	ng	97
58) Fluorene	15.557	166	168591	4.503	ng	99
71) Phenanthrene	17.298	178	1200683	20.874	ng	100
72) Anthracene	17.392	178	369509	6.300	ng	100
75) Fluoranthene	19.321	202	1752969	26.734	ng	99
78) Pyrene	19.686	202	1643764	25.014	ng	99
81) Benzo(a)anthracene	21.433	228	695014	10.676	ng	97
83) Chrysene	21.486	228	634394	10.094	ng	98
87) Indeno(1,2,3-cd)pyrene	26.303	276	335063	4.617	ng	96
88) Benzo(b)fluoranthene	23.109	252	747598m	12.404	ng	
89) Benzo(k)fluoranthene	23.150	252	265940m	4.332	ng	
90) Benzo(a)pyrene	23.727	252	585159	9.883	ng	97
92) Benzo(g,h,i)perylene	27.068	276	321609	5.366	ng	98

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

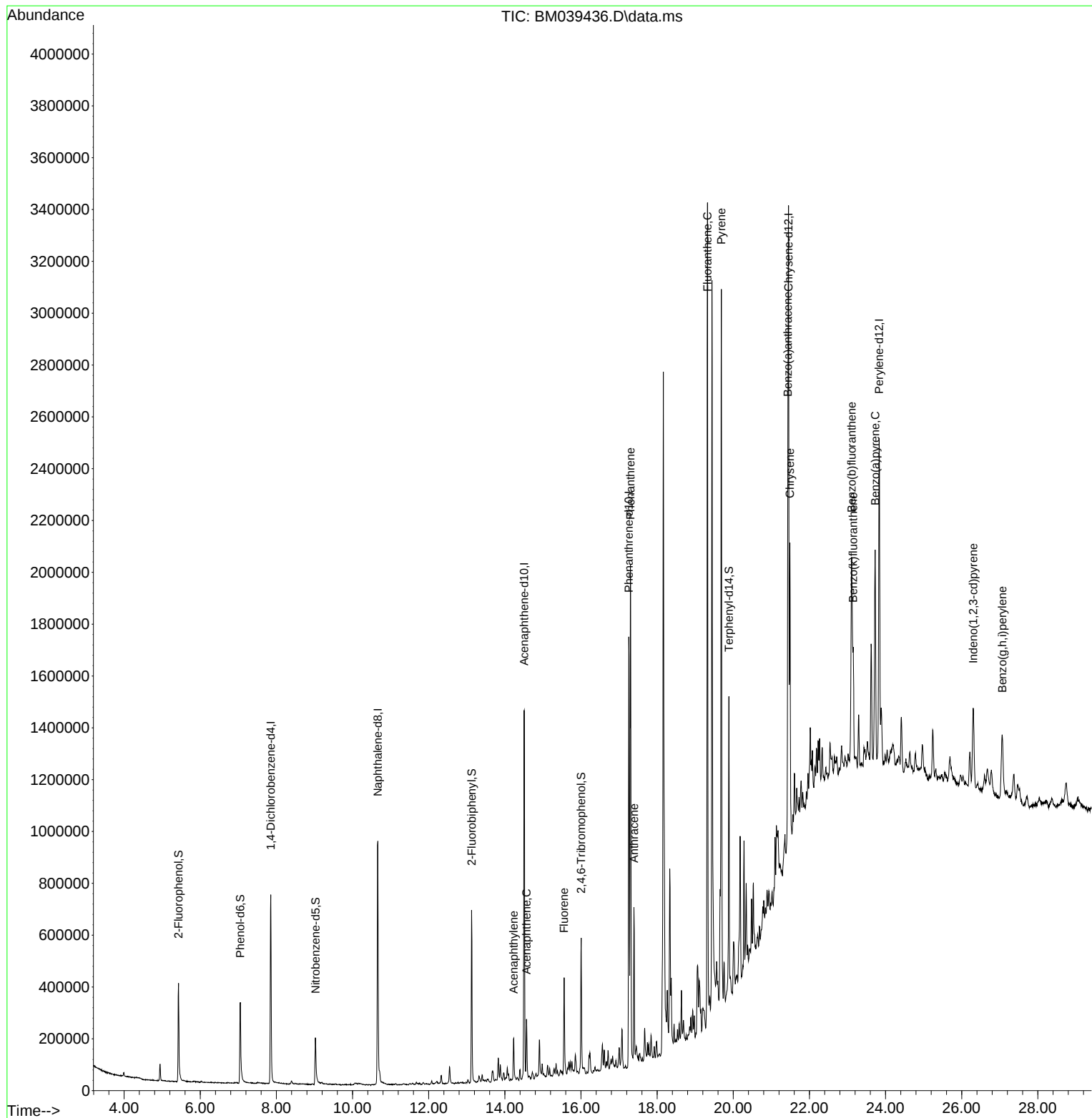
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041423\
Data File : BM039436.D
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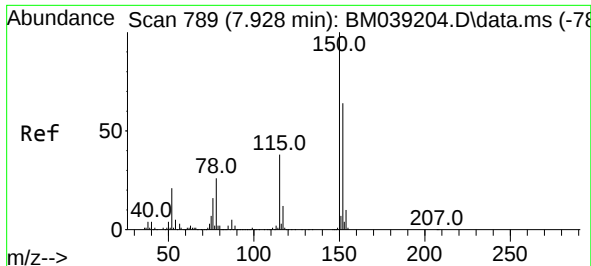
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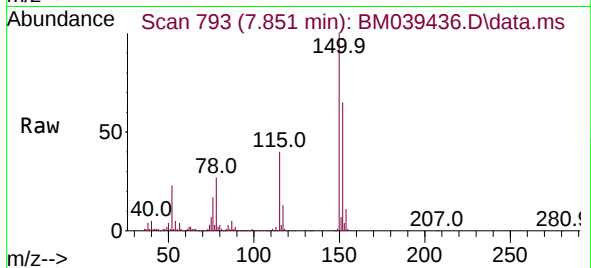
Quant Time: Apr 14 17:58:24 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 14 17:54:10 2023
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.851 min Scan# 793
Delta R.T. 0.000 min
Lab File: BM039436.D
Acq: 14 Apr 2023 16:34

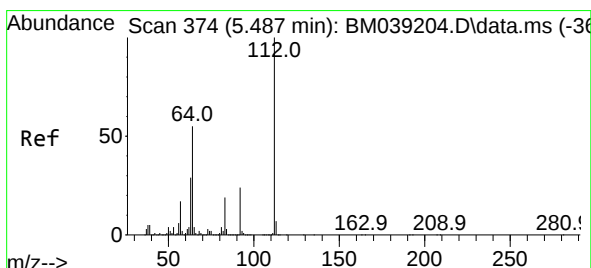
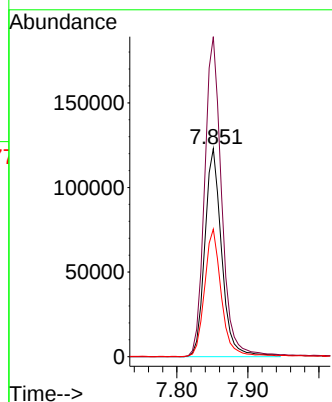
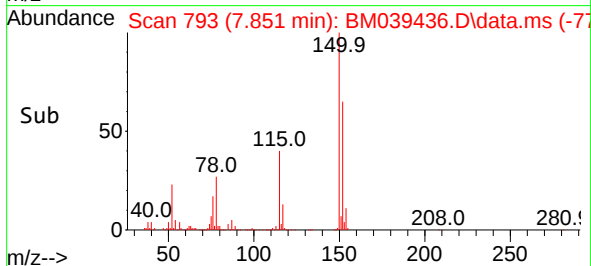
Instrument :
BNA_M
ClientSampleId :
PL-02-041223DL



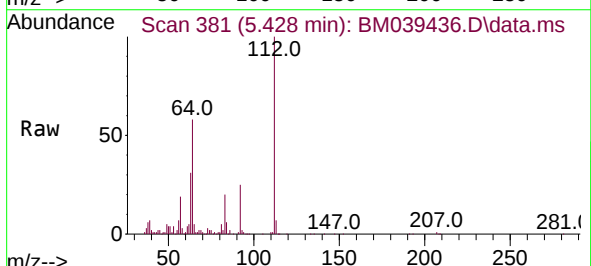
Tgt Ion:152 Resp: 20346
Ion Ratio Lower Upper
152 100
150 153.9 125.5 188.3
115 61.3 48.1 72.1

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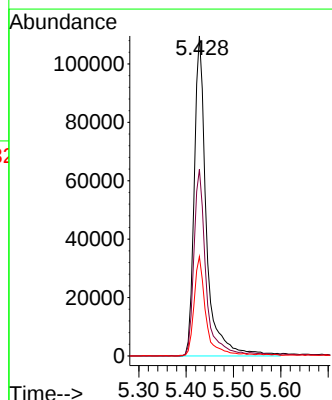
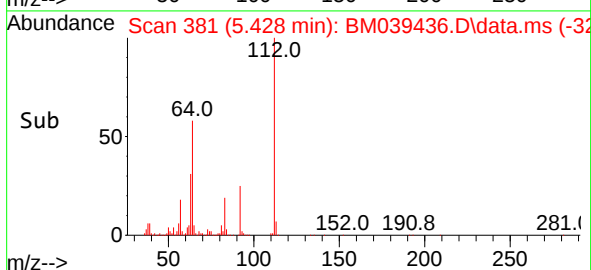
Reviewed By :Christian Giraldo 04/17/2023
Supervised By :Jagrut Upadhyay 04/17/2023

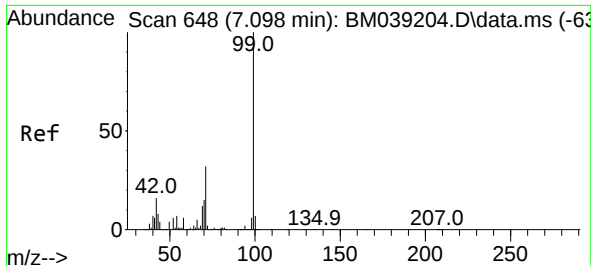


#5
2-Fluorophenol
Concen: 14.521 ng
RT: 5.428 min Scan# 381
Delta R.T. 0.006 min
Lab File: BM039436.D
Acq: 14 Apr 2023 16:34



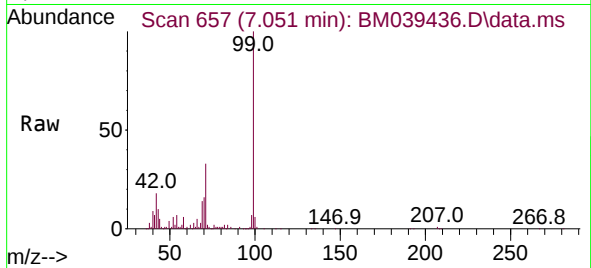
Tgt Ion:112 Resp: 196100
Ion Ratio Lower Upper
112 100
64 58.3 44.3 66.5
63 31.1 23.0 34.6





#7
Phenol-d6
Concen: 14.078 ng
RT: 7.051 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM039436.D
Acq: 14 Apr 2023 16:34

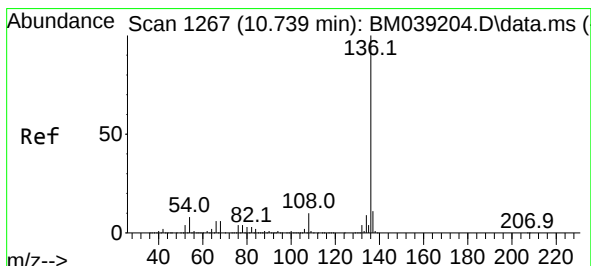
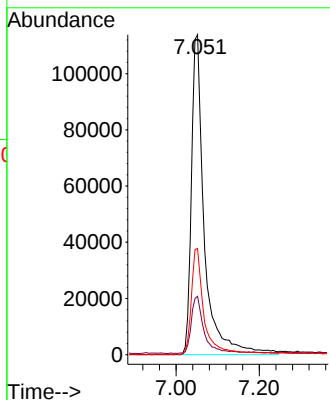
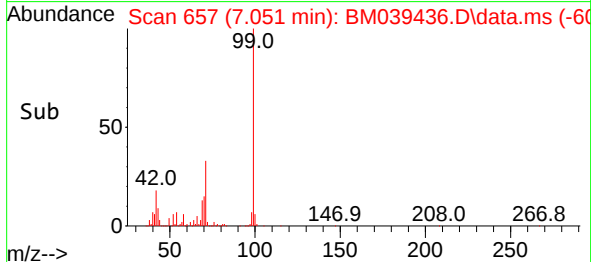
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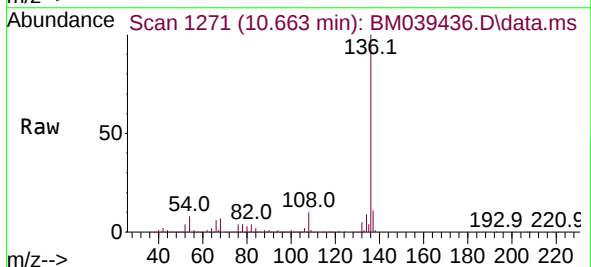
Tgt Ion: 99 Resp: 24590
Ion Ratio Lower Upper
99 100
42 18.2 13.0 19.6
71 33.2 25.5 38.3

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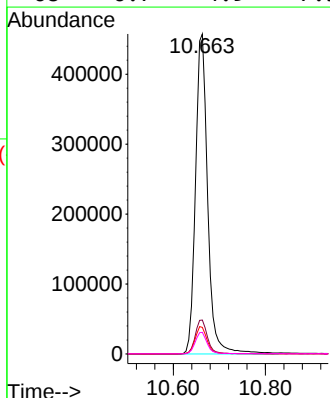
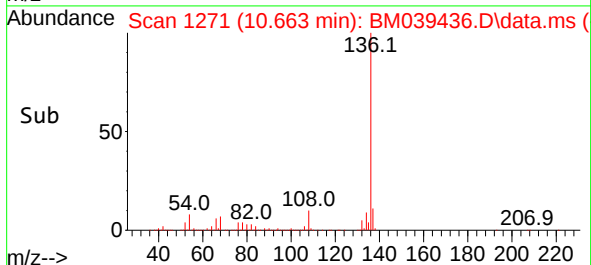
Reviewed By :Christian Giraldo 04/17/2023
Supervised By :Jagrut Upadhyay 04/17/2023

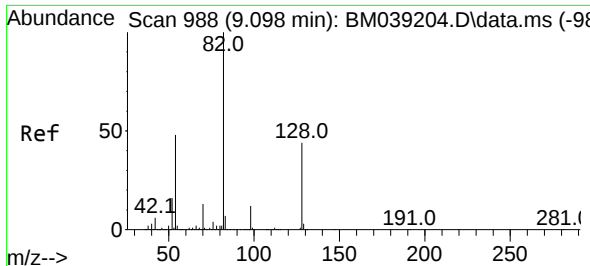


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1271
Delta R.T. -0.000 min
Lab File: BM039436.D
Acq: 14 Apr 2023 16:34



Tgt Ion:136 Resp: 839070
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 8.3 6.2 9.4
68 6.7 4.9 7.3





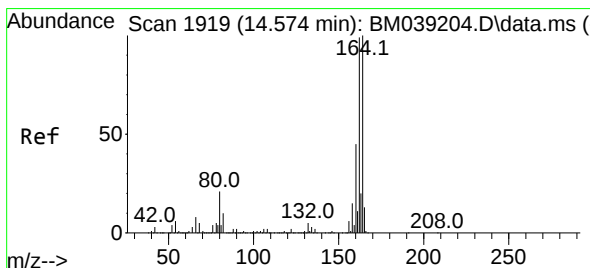
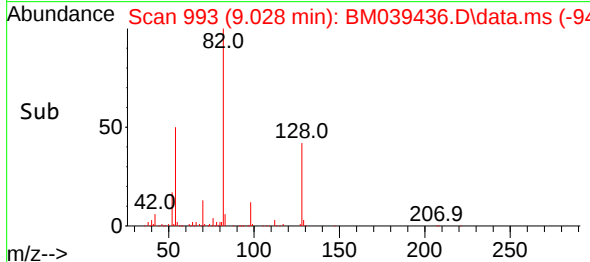
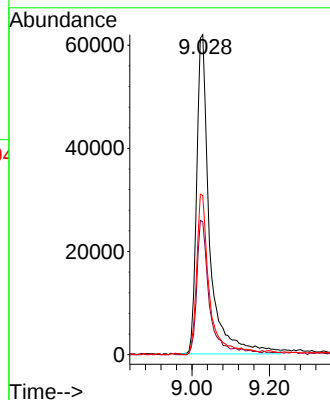
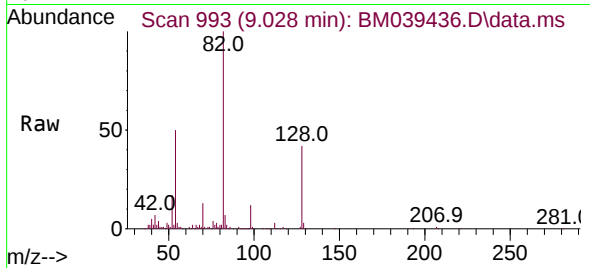
#23
Nitrobenzene-d5
Concen: 8.380 ng
RT: 9.028 min Scan# 90
Delta R.T. -0.000 min
Lab File: BM039436.D
Acq: 14 Apr 2023 16:34

Instrument :
BNA_M
ClientSampleId :
PL-02-041223DL

Tgt Ion: 82 Resp: 14467
Ion Ratio Lower Upper
82 100
128 41.5 35.1 52.7
54 49.7 38.5 57.7

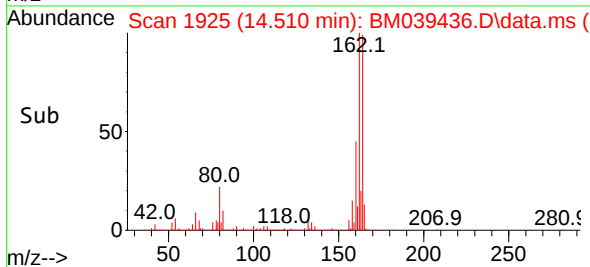
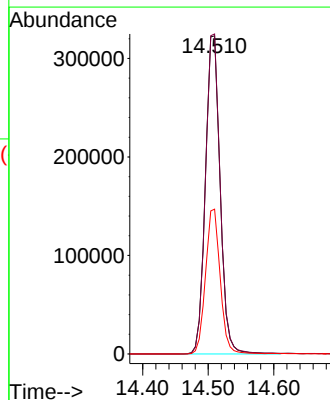
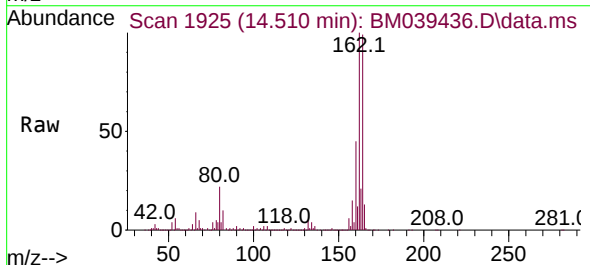
Manual Integrations
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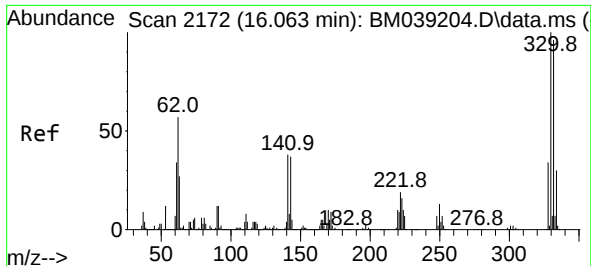
Reviewed By :Christian Giraldo 04/17/2023
Supervised By :Jagrut Upadhyay 04/17/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.510 min Scan# 1925
Delta R.T. -0.000 min
Lab File: BM039436.D
Acq: 14 Apr 2023 16:34

Tgt Ion:164 Resp: 506066
Ion Ratio Lower Upper
164 100
162 100.6 79.1 118.7
160 45.5 35.8 53.8





#42
2,4,6-Tribromophenol
Concen: 13.336 ng
RT: 16.004 min Scan# 2172
Delta R.T. -0.006 min
Lab File: BM039436.D
Acq: 14 Apr 2023 16:34

Instrument :

BNA_M

ClientSampleId :

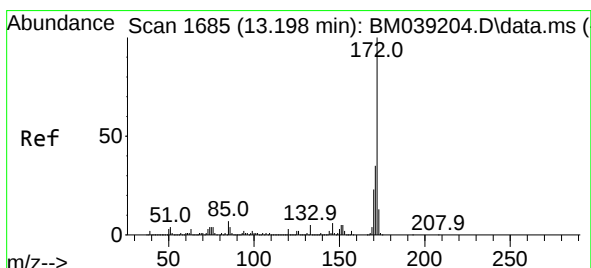
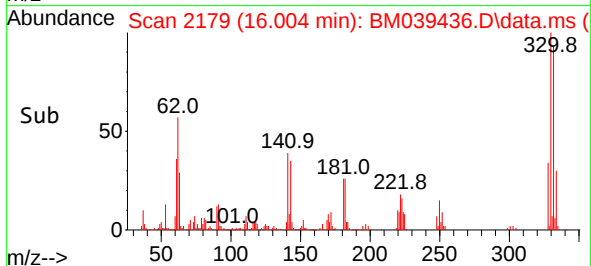
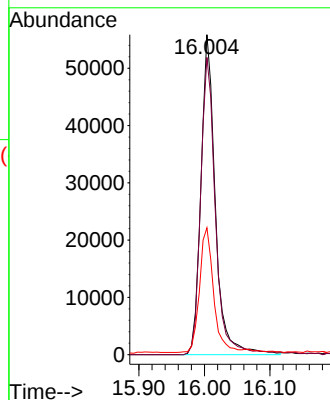
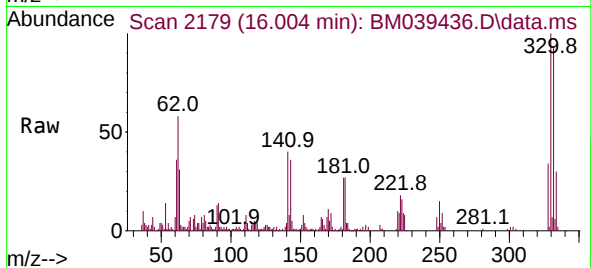
PL-02-041223DL

Tgt Ion:330 Resp: 8567
Ion Ratio Lower Upper
330 100
332 96.1 77.4 116.0
141 37.9 29.8 44.6

Manual Integrations

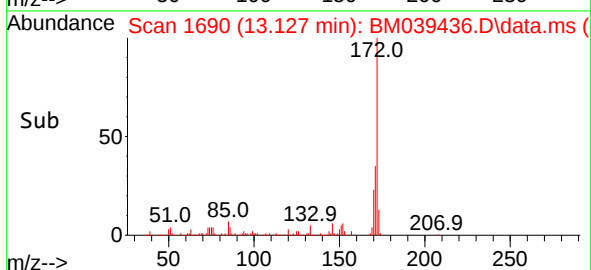
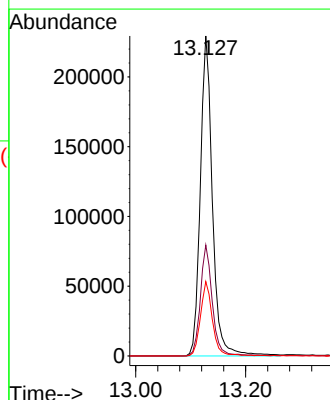
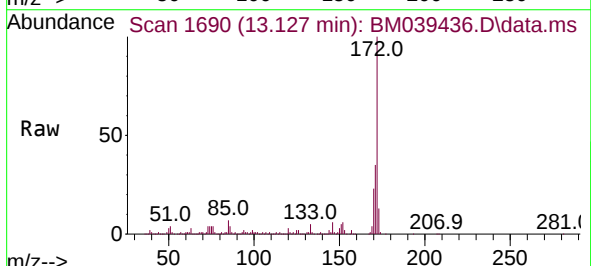
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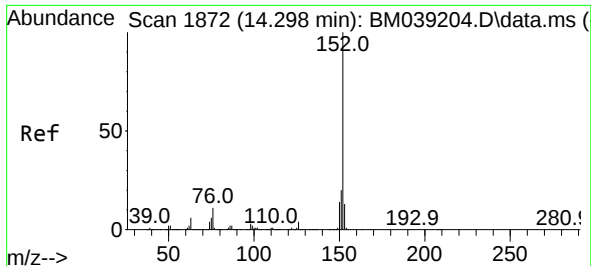
Reviewed By :Christian Giraldo 04/17/2023
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#45
2-Fluorobiphenyl
Concen: 9.434 ng
RT: 13.127 min Scan# 1690
Delta R.T. -0.006 min
Lab File: BM039436.D
Acq: 14 Apr 2023 16:34

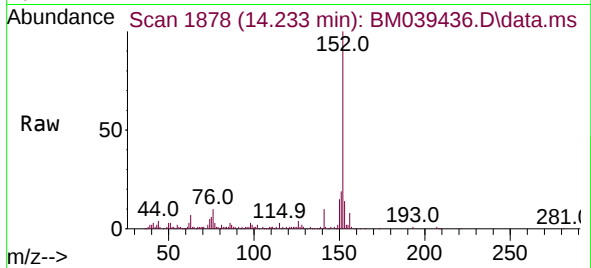
Tgt Ion:172 Resp: 352358
Ion Ratio Lower Upper
172 100
171 34.7 28.0 42.0
170 23.2 18.7 28.1





#49
Acenaphthylene
Concen: 2.511 ng
RT: 14.233 min Scan# 1878
Delta R.T. -0.000 min
Lab File: BM039436.D
Acq: 14 Apr 2023 16:34

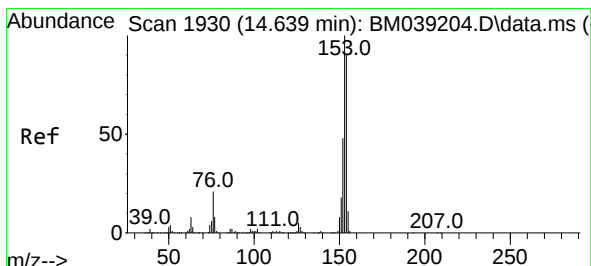
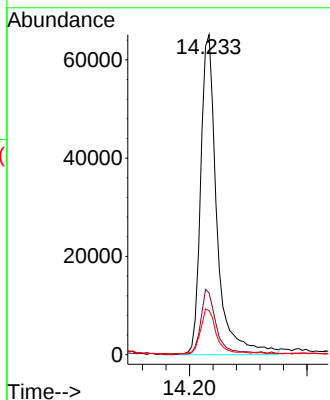
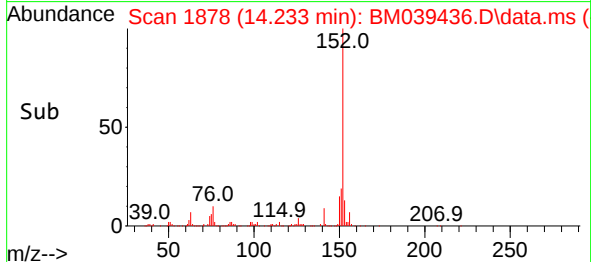
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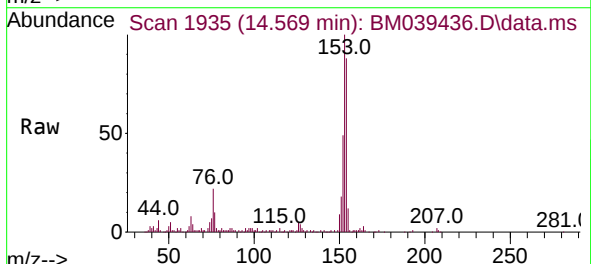
Tgt Ion:152 Resp: 124892
Ion Ratio Lower Upper
152 100
151 19.2 15.7 23.5
153 13.8 10.3 15.5

Manual Integrations
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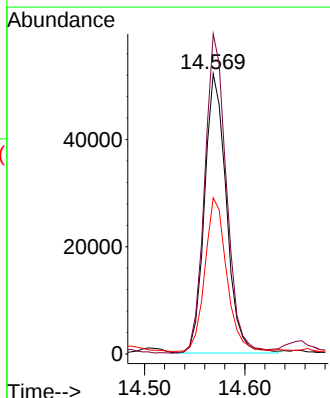
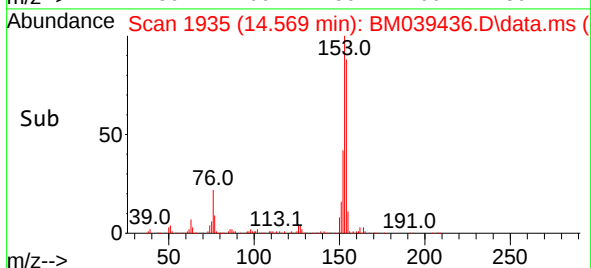
Reviewed By :Christian Giraldo 04/17/2023
Supervised By :Jagrut Upadhyay 04/17/2023

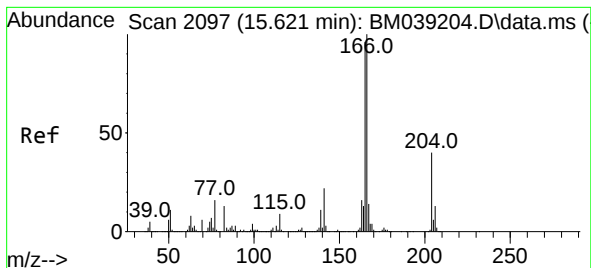


#52
Acenaphthene
Concen: 2.684 ng
RT: 14.569 min Scan# 1935
Delta R.T. -0.006 min
Lab File: BM039436.D
Acq: 14 Apr 2023 16:34



Tgt Ion:154 Resp: 78827
Ion Ratio Lower Upper
154 100
153 114.2 89.1 133.7
152 55.8 42.6 64.0





#58

Fluorene

Concen: 4.503 ng

RT: 15.557 min Scan# 2103

Delta R.T. -0.006 min

Lab File: BM039436.D

Acq: 14 Apr 2023 16:34

Instrument :

BNA_M

ClientSampleId :

PL-02-041223DL

Tgt Ion:166 Resp: 16859

Ion Ratio Lower Upper

166 100

165 97.4 76.9 115.3

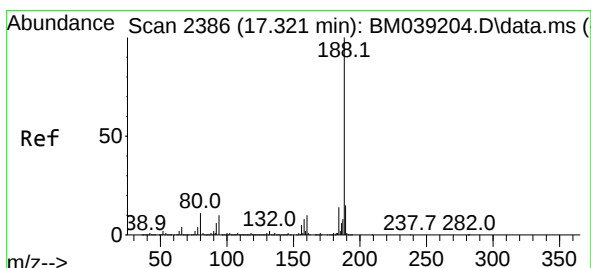
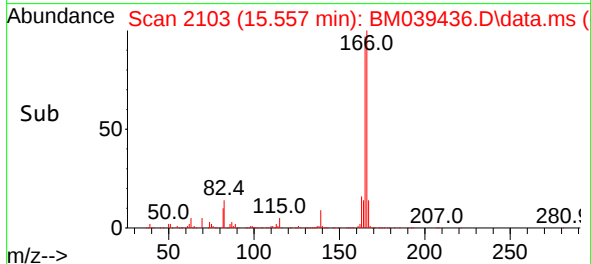
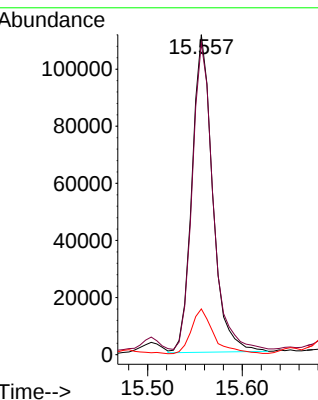
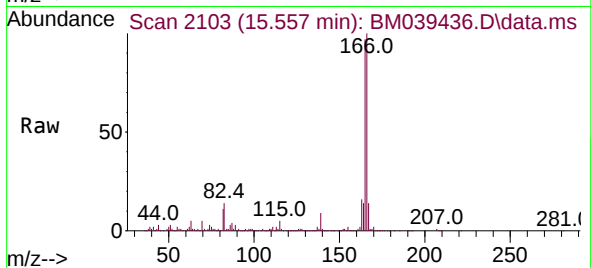
167 14.3 10.8 16.2

Manual Integrations

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Supervised By :Jagrut Upadhyay 04/17/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.257 min Scan# 2392

Delta R.T. -0.006 min

Lab File: BM039436.D

Acq: 14 Apr 2023 16:34

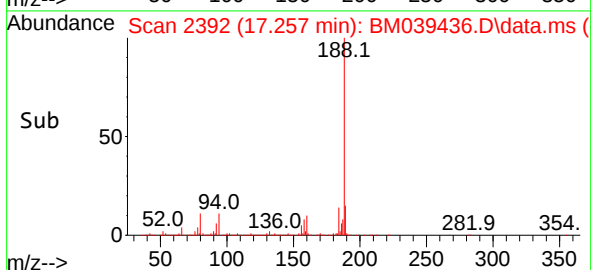
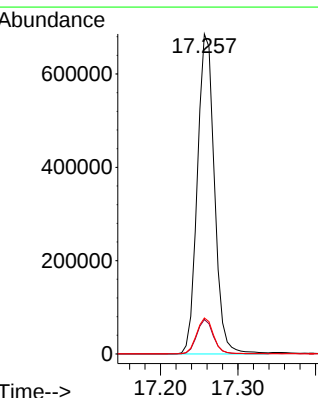
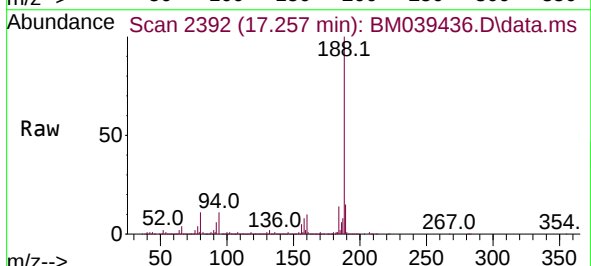
Tgt Ion:188 Resp: 1050268

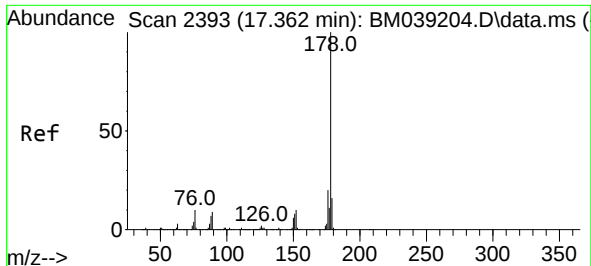
Ion Ratio Lower Upper

188 100

94 10.7 8.2 12.4

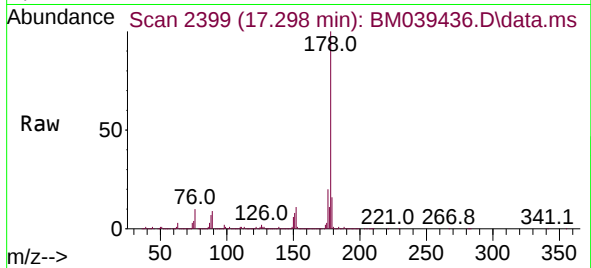
80 11.3 8.9 13.3





#71
Phenanthrene
Concen: 20.874 ng
RT: 17.298 min Scan# 2415
Delta R.T. -0.006 min
Lab File: BM039436.D
Acq: 14 Apr 2023 16:34

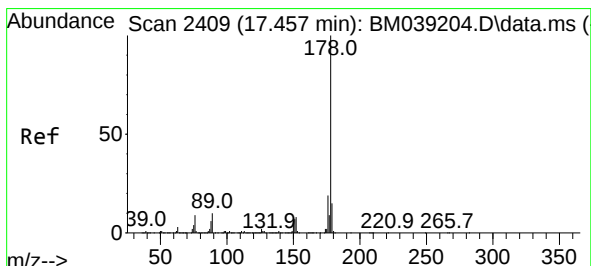
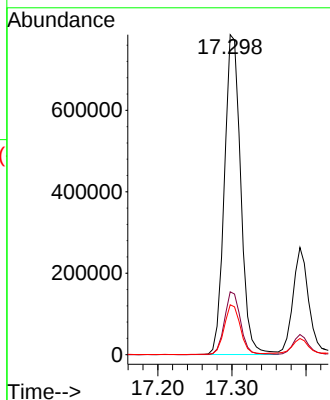
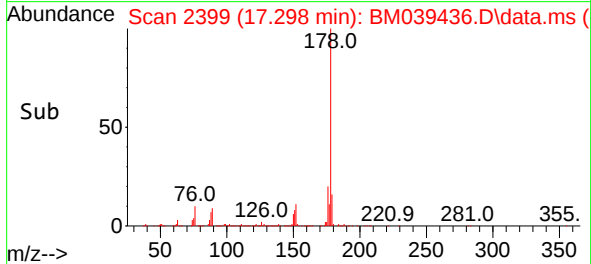
Instrument :
BNA_M
ClientSampleId :
PL-02-041223DL



Tgt Ion:178 Resp: 120068
Ion Ratio Lower Upper
178 100
176 19.7 15.7 23.5
179 15.6 12.4 18.6

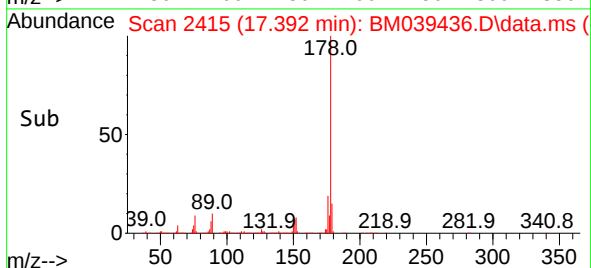
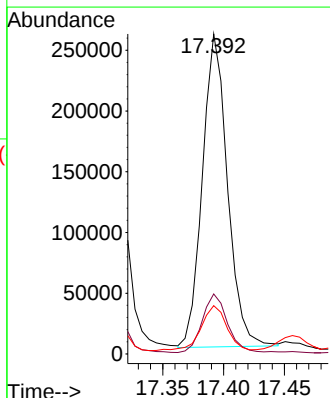
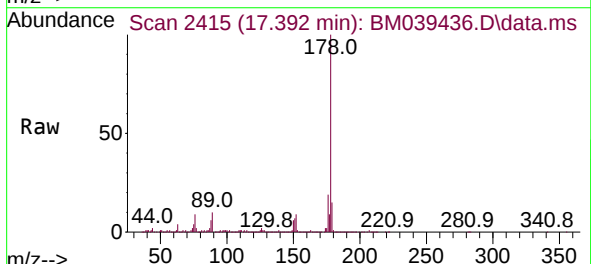
Manual Integrations
APPROVED

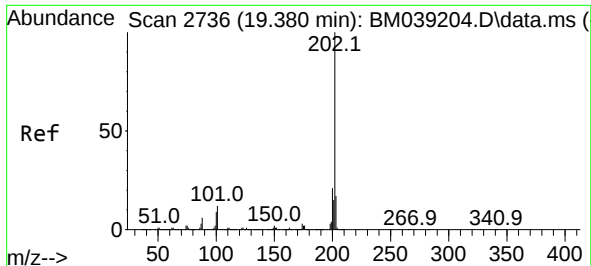
Reviewed By :Christian Giraldo 04/17/2023
Supervised By :Jagrut Upadhyay 04/17/2023



#72
Anthracene
Concen: 6.300 ng
RT: 17.392 min Scan# 2415
Delta R.T. -0.006 min
Lab File: BM039436.D
Acq: 14 Apr 2023 16:34

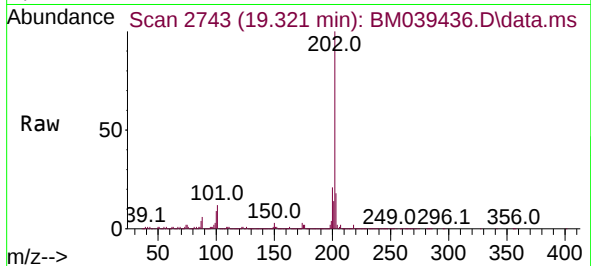
Tgt Ion:178 Resp: 369509
Ion Ratio Lower Upper
178 100
176 18.7 14.9 22.3
179 15.1 12.2 18.2





#75
Fluoranthene
Concen: 26.734 ng
RT: 19.321 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM039436.D
Acq: 14 Apr 2023 16:34

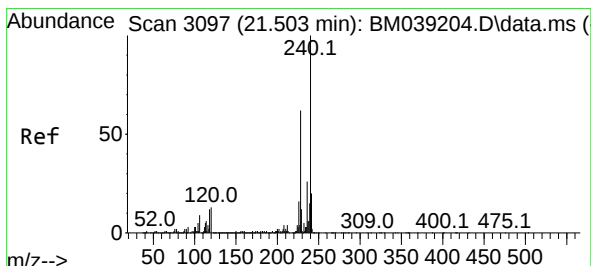
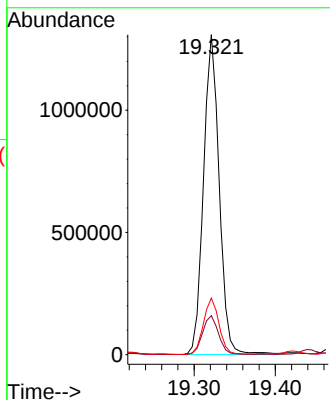
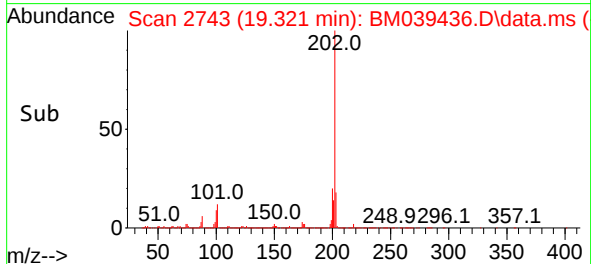
Instrument :
BNA_M
ClientSampleId :
PL-02-041223DL



Tgt Ion:202 Resp: 175296
Ion Ratio Lower Upper
202 100
101 12.2 0.0 32.5
203 17.7 0.0 37.5

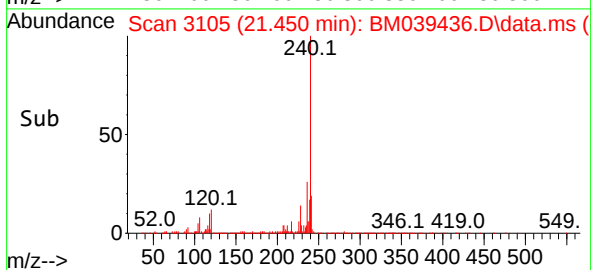
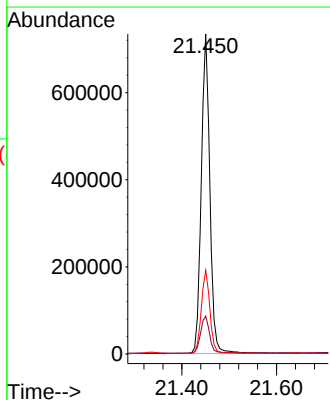
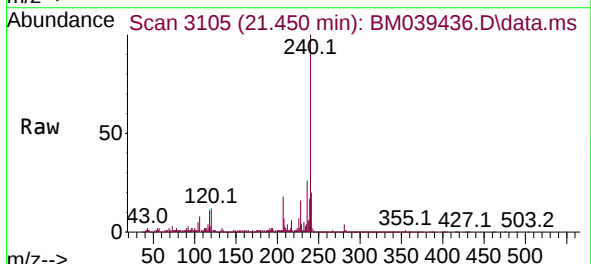
Manual Integrations
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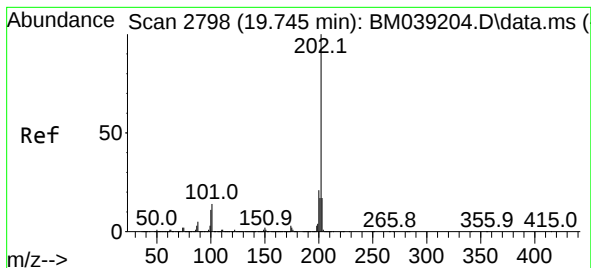
Reviewed By :Christian Giraldo 04/17/2023
Supervised By :Jagrut Upadhyay 04/17/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.450 min Scan# 3105
Delta R.T. -0.000 min
Lab File: BM039436.D
Acq: 14 Apr 2023 16:34

Tgt Ion:240 Resp: 923099
Ion Ratio Lower Upper
240 100
120 11.9 10.2 15.2
236 26.1 20.9 31.3





#78

Pyrene

Concen: 25.014 ng

RT: 19.686 min Scan# 2805

Delta R.T. -0.000 min

Lab File: BM039436.D

Acq: 14 Apr 2023 16:34

Instrument :

BNA_M

ClientSampleId :

PL-02-041223DL

Tgt Ion:202 Resp: 1643764

Ion Ratio Lower Upper

202 100

200 20.9 17.1 25.7

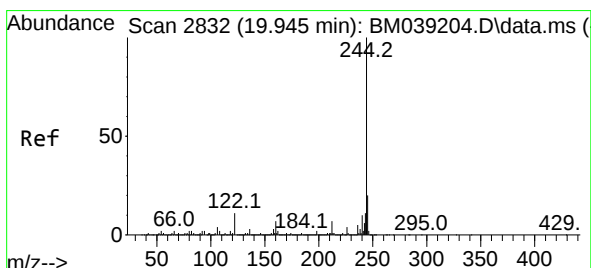
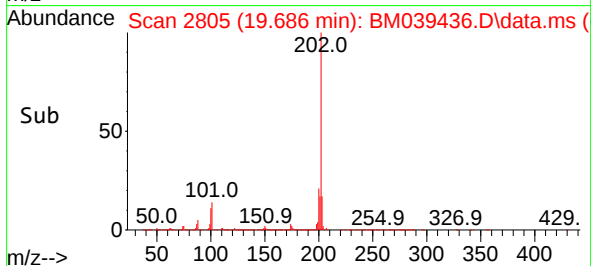
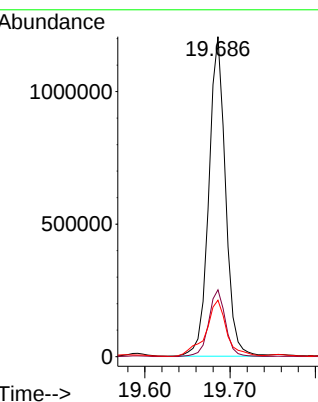
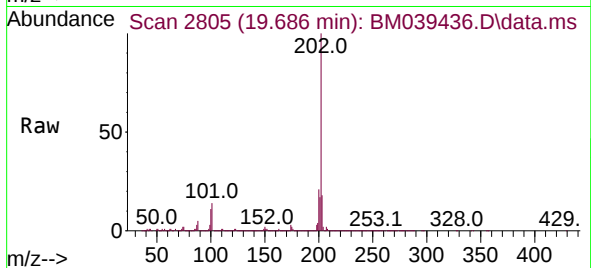
203 17.6 13.9 20.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/17/2023

Supervised By :Jagrut Upadhyay 04/17/2023



#79

Terphenyl-d14

Concen: 10.596 ng

RT: 19.886 min Scan# 2839

Delta R.T. -0.006 min

Lab File: BM039436.D

Acq: 14 Apr 2023 16:34

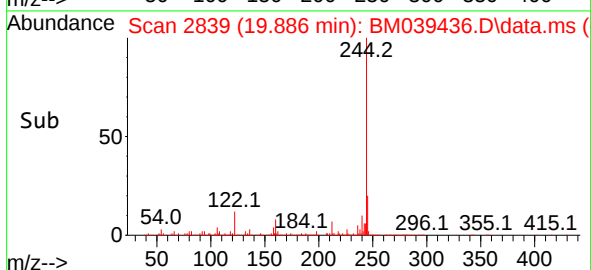
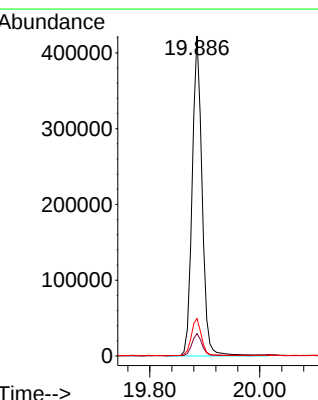
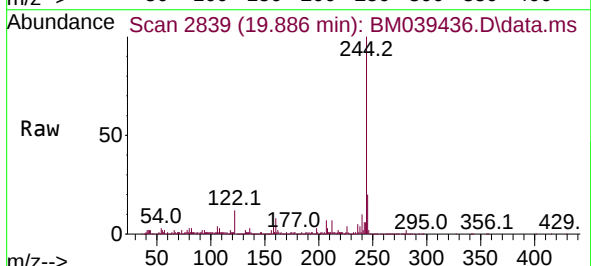
Tgt Ion:244 Resp: 529411

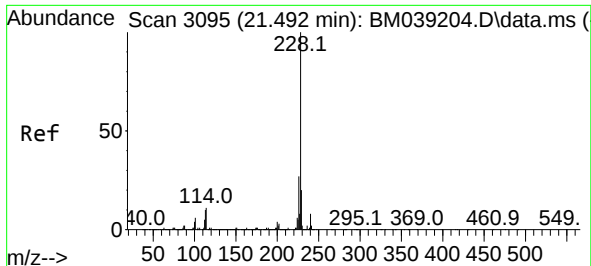
Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 11.7 9.1 13.7





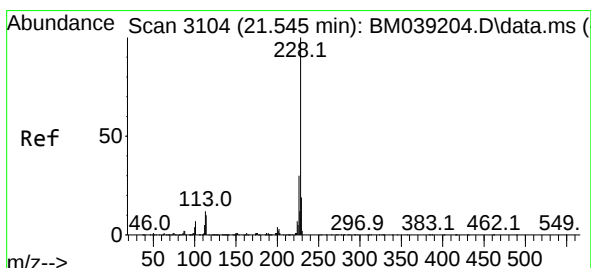
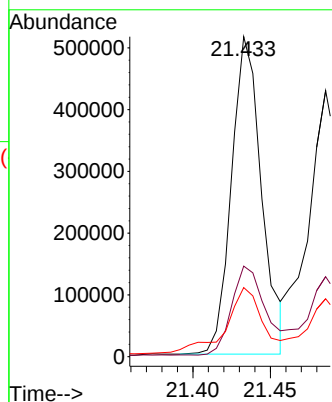
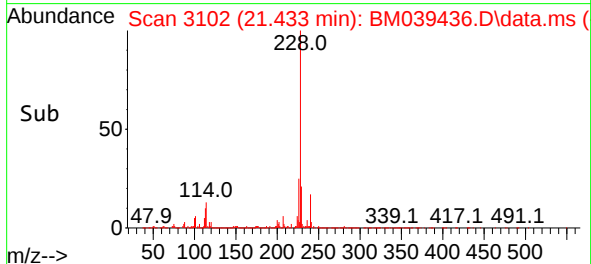
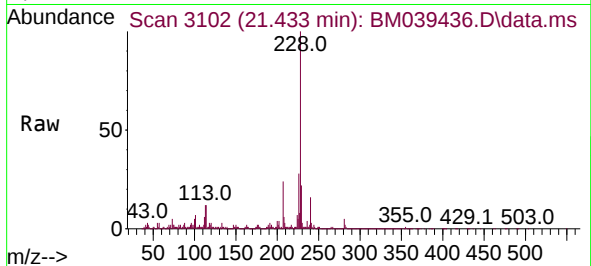
#81
Benzo(a)anthracene
Concen: 10.676 ng
RT: 21.433 min Scan# 3110
Delta R.T. -0.006 min
Lab File: BM039436.D
Acq: 14 Apr 2023 16:34

Instrument :
BNA_M
ClientSampleId :
PL-02-041223DL

Tgt Ion:228 Resp: 695014
Ion Ratio Lower Upper
228 100
226 28.3 21.9 32.9
229 21.6 15.8 23.6

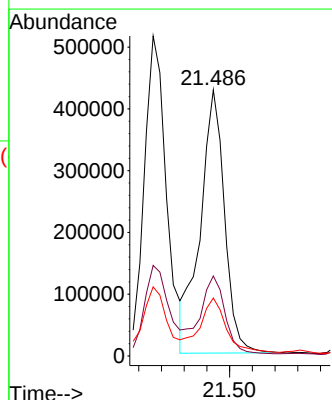
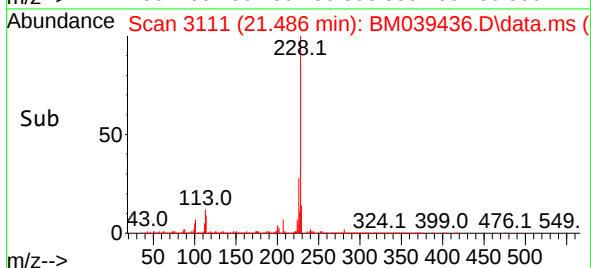
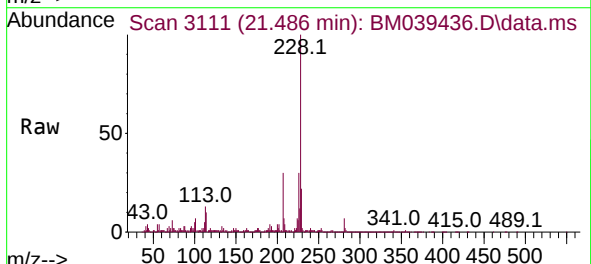
Manual Integrations
APPROVED

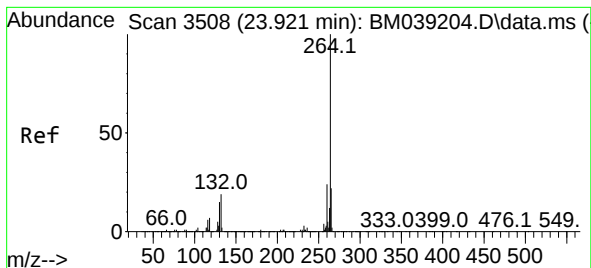
Reviewed By :Christian Giraldo 04/17/2023
Supervised By :Jagrut Upadhyay 04/17/2023



#83
Chrysene
Concen: 10.094 ng
RT: 21.486 min Scan# 3111
Delta R.T. -0.006 min
Lab File: BM039436.D
Acq: 14 Apr 2023 16:34

Tgt Ion:228 Resp: 634394
Ion Ratio Lower Upper
228 100
226 30.1 24.1 36.1
229 21.8 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.833 min Scan# 3510

Delta R.T. -0.000 min

Lab File: BM039436.D

Acq: 14 Apr 2023 16:34

Instrument :

BNA_M

ClientSampleId :

PL-02-041223DL

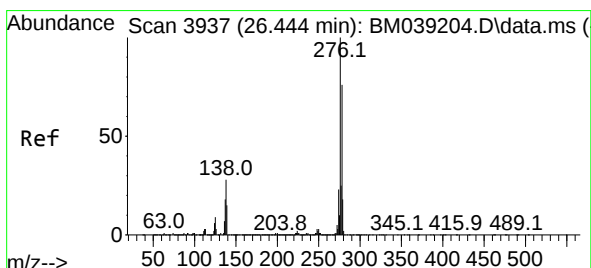
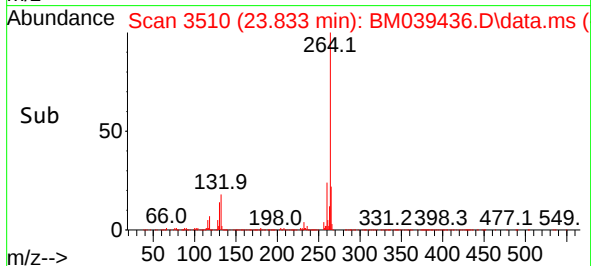
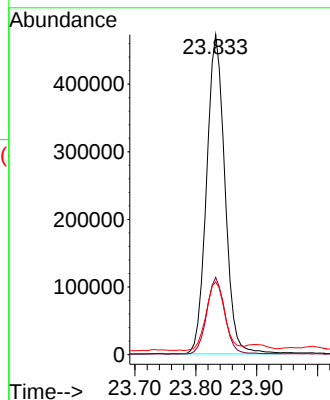
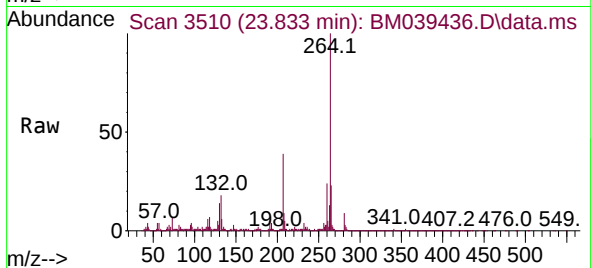
Tgt Ion:	264	Resp:	985029
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.0	28.6
265	22.7	18.1	27.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/17/2023

Supervised By :Jagrut Upadhyay 04/17/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.617 ng

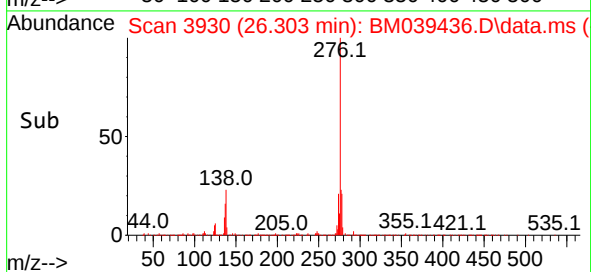
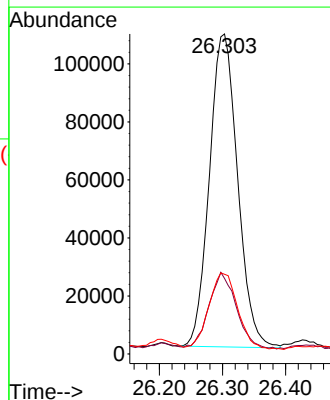
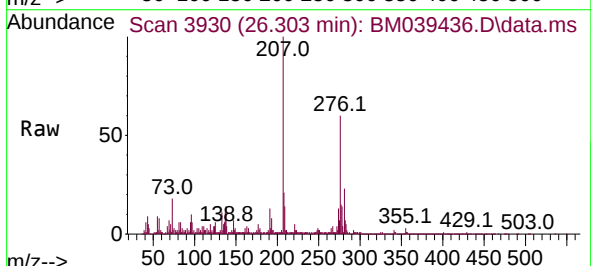
RT: 26.303 min Scan# 3930

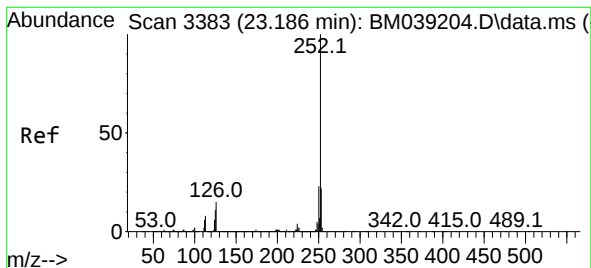
Delta R.T. -0.012 min

Lab File: BM039436.D

Acq: 14 Apr 2023 16:34

Tgt Ion:	276	Resp:	335063
Ion Ratio	Lower	Upper	
276	100		
138	24.0	22.2	33.2
277	25.3	20.2	30.2





#88

Benzo(b)fluoranthene

Concen: 12.404 ng m

RT: 23.109 min Scan# 3387

Delta R.T. -0.000 min

Lab File: BM039436.D

Acq: 14 Apr 2023 16:34

Instrument :

BNA_M

ClientSampleId :

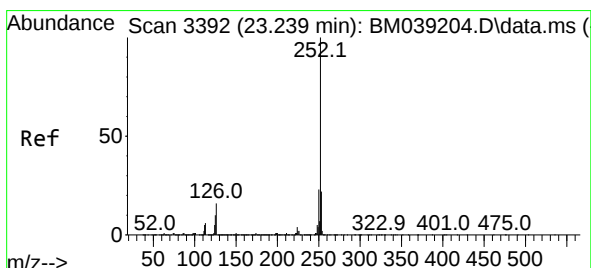
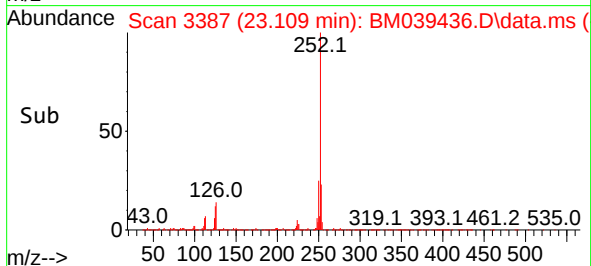
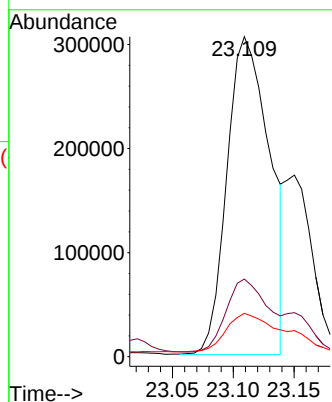
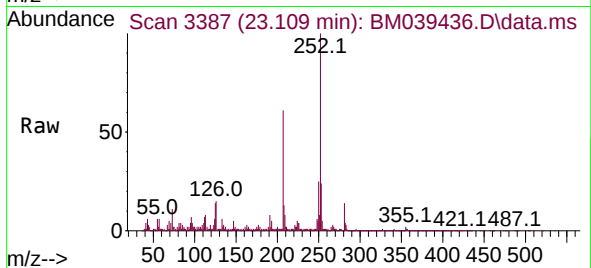
PL-02-041223DL

Tgt Ion:	252	Resp:	747598
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.6	26.4
125	13.6	9.0	13.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/17/2023
Supervised By :Jagrut Upadhyay 04/17/2023



#89

Benzo(k)fluoranthene

Concen: 4.332 ng m

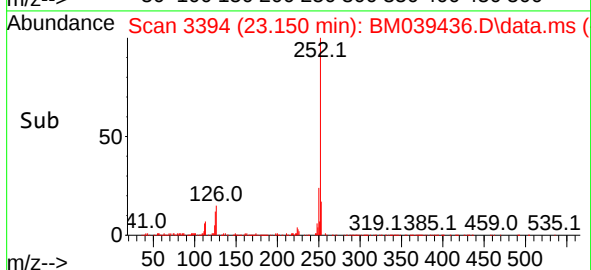
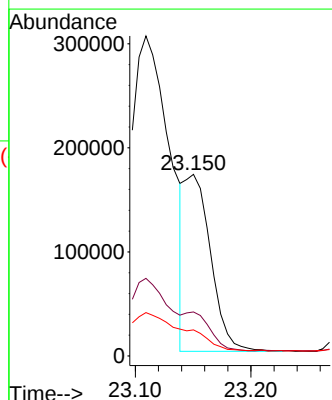
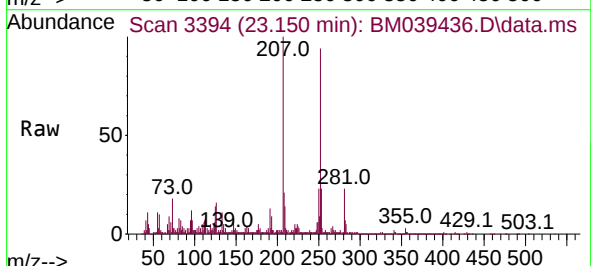
RT: 23.150 min Scan# 3394

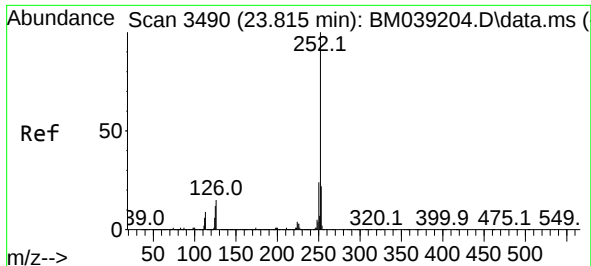
Delta R.T. -0.006 min

Lab File: BM039436.D

Acq: 14 Apr 2023 16:34

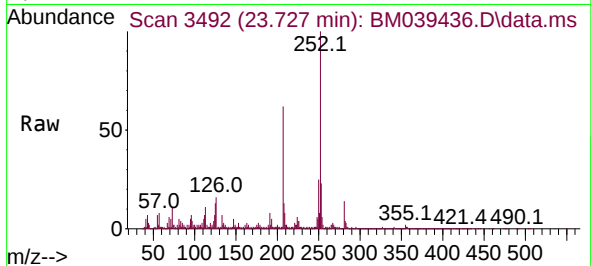
Tgt Ion:	252	Resp:	265940
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.8	26.8
125	14.4	8.5	12.7#





#90
Benzo(a)pyrene
Concen: 9.883 ng
RT: 23.727 min Scan# 3490
Delta R.T. -0.006 min
Lab File: BM039436.D
Acq: 14 Apr 2023 16:34

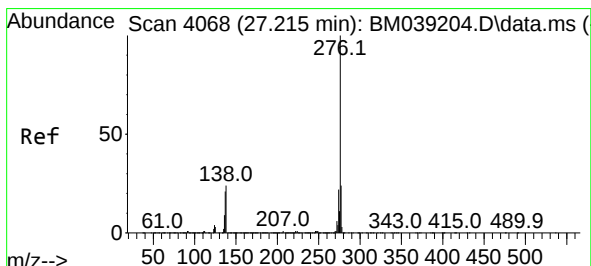
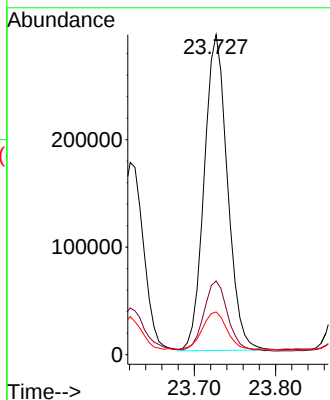
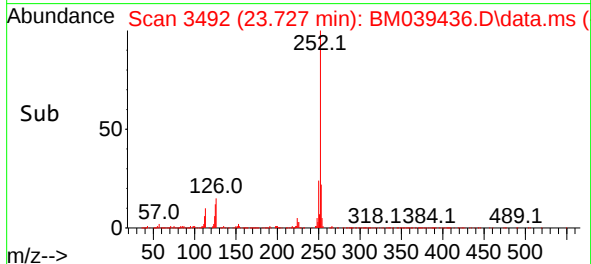
Instrument : BNA_M
ClientSampleId : PL-02-041223DL



Tgt Ion: 252 Resp: 585159
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 13.4 9.8 14.6

Manual Integrations
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Reviewed By : Christian Giraldo 04/17/2023
Supervised By : Jagrut Upadhyay 04/17/2023



#92
Benzo(g,h,i)perylene
Concen: 5.366 ng
RT: 27.068 min Scan# 4060
Delta R.T. -0.006 min
Lab File: BM039436.D
Acq: 14 Apr 2023 16:34

Tgt Ion: 276 Resp: 321609
Ion Ratio Lower Upper
276 100
277 25.5 19.1 28.7
138 24.6 19.5 29.3

