

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081022\
 Data File : BM036202.D
 Acq On : 10 Aug 2022 21:13
 Operator : CG/JU
 Sample : N4086-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RLA-4711-WC

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/11/2022
 Supervised By : Jagrut Upadhyay 08/11/2022

Quant Time: Aug 10 22:29:09 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM080122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 10 22:19:26 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	247126	20.000	ng	0.00
21) Naphthalene-d8	10.633	136	1000069	20.000	ng	0.00
39) Acenaphthene-d10	14.474	164	582167	20.000	ng	0.00
64) Phenanthrene-d10	17.215	188	1194485	20.000	ng	0.00
76) Chrysene-d12	21.391	240	1255854	20.000	ng	0.00
86) Perylene-d12	23.738	264	1332193	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	1631616	107.042	ng	0.00
7) Phenol-d6	7.034	99	2044430	105.408	ng	0.00
23) Nitrobenzene-d5	9.004	82	1236334	69.201	ng	0.00
42) 2,4,6-Tribromophenol	15.962	330	730782	107.002	ng	0.00
45) 2-Fluorobiphenyl	13.098	172	2673252	67.798	ng	0.00
79) Terphenyl-d14	19.839	244	3974233	62.419	ng	0.00
Target Compounds						Qvalue
58) Fluorene	15.521	166	102339	2.639	ng	100
71) Phenanthrene	17.256	178	1299441	21.353	ng	100
72) Anthracene	17.345	178	317043	5.381	ng	99
75) Fluoranthene	19.274	202	1907361	28.000	ng	99
78) Pyrene	19.633	202	1600157	20.548	ng	100
81) Benzo(a)anthracene	21.380	228	998209	12.905	ng	99
83) Chrysene	21.433	228	818103	11.126	ng	98
87) Indeno(1,2,3-cd)pyrene	26.168	276	575502	6.147	ng	97
88) Benzo(b)fluoranthene	23.027	252	1192648	15.280	ng	# 97
89) Benzo(k)fluoranthene	23.068	252	396830m	5.034	ng	
90) Benzo(a)pyrene	23.633	252	851528	13.003	ng	96
91) Dibenzo(a,h)anthracene	26.174	278	162542m	2.074	ng	
92) Benzo(g,h,i)perylene	26.921	276	531009	6.999	ng	98

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

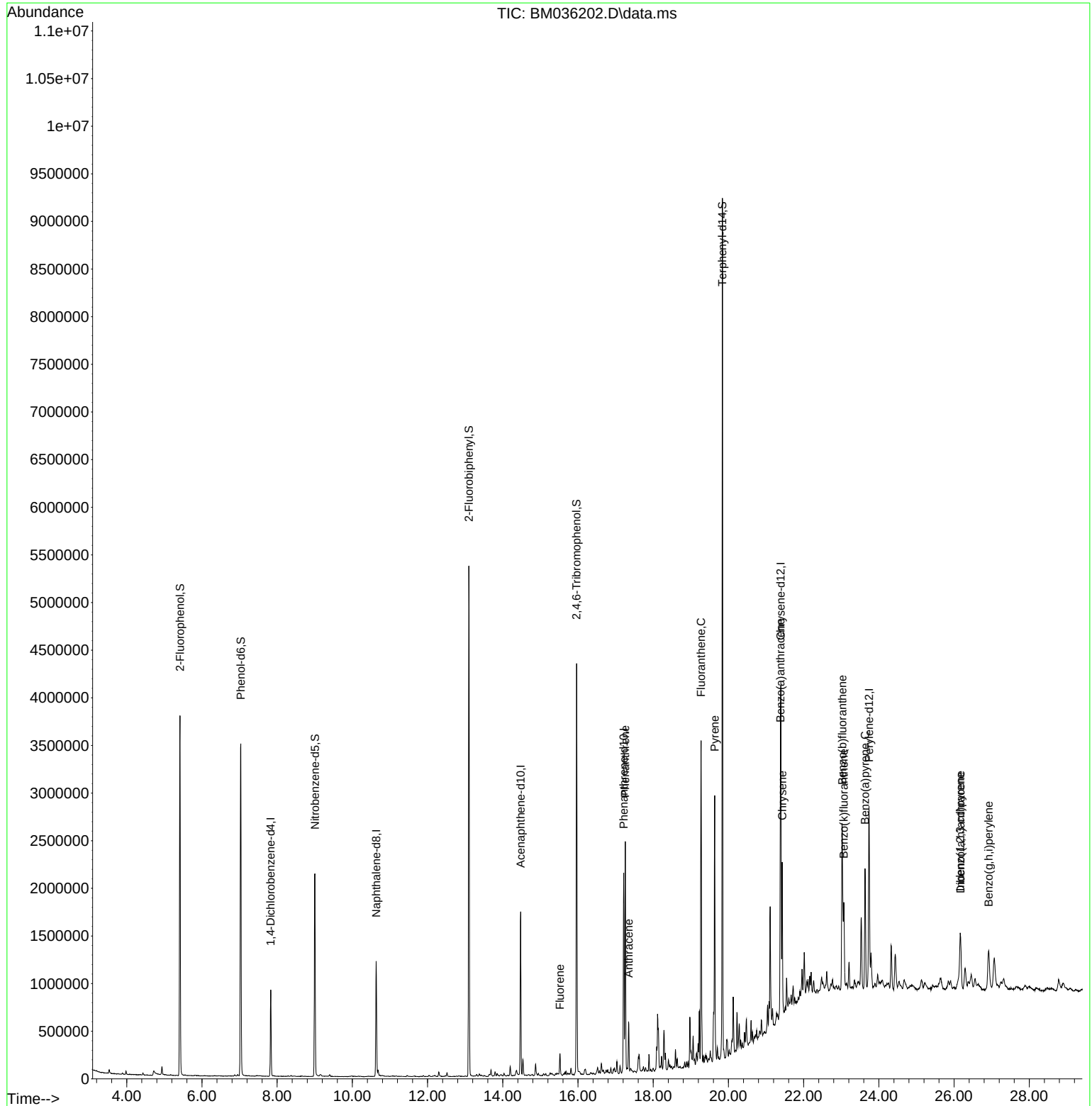
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081022\
Data File : BM036202.D
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ALS Vial : 17 Sample Multiplier: 1

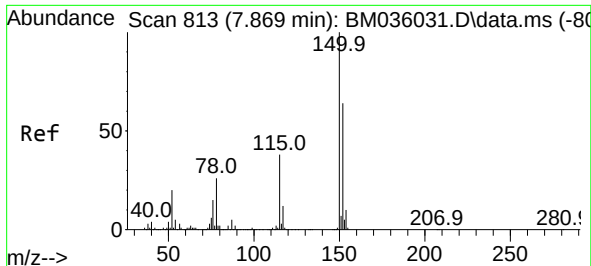
Instrument :
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Quant Time: Aug 10 22:29:09 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM080122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 10 22:19:26 2022
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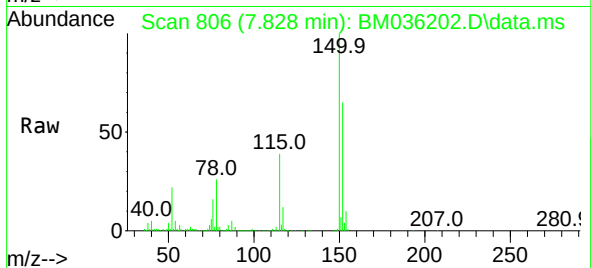
Reviewed By : Christian Giraldo 08/11/2022
Supervised By : Jagrut Upadhyay 08/11/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.828 min Scan# 806
Delta R.T. -0.006 min
Lab File: BM036202.D
Acq: 10 Aug 2022 21:13

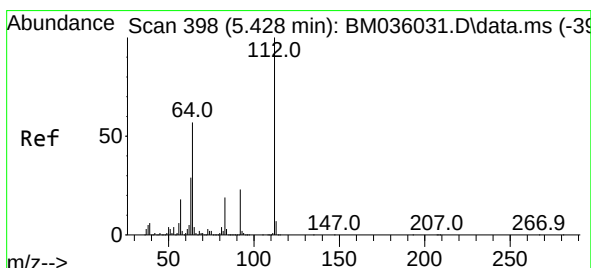
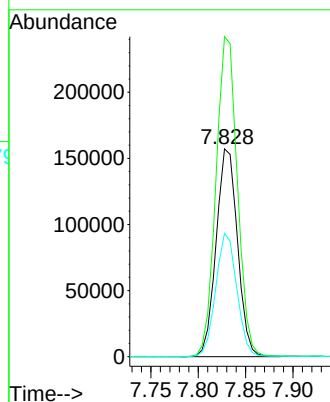
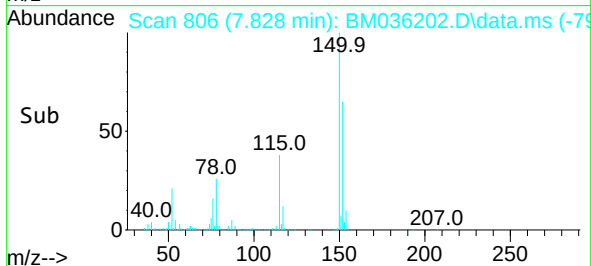
Instrument :
BNA_M
ClientSampleId :
RLA-4711-WC



Tgt Ion:152 Resp: 247120
Ion Ratio Lower Upper
152 100
150 153.9 124.9 187.3
115 59.3 47.9 71.9

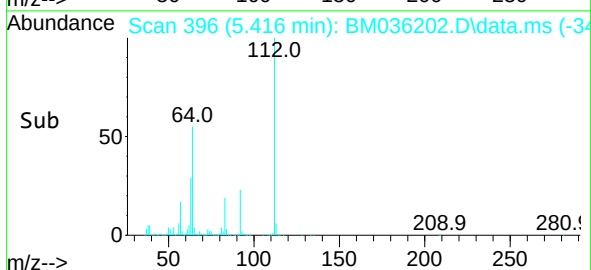
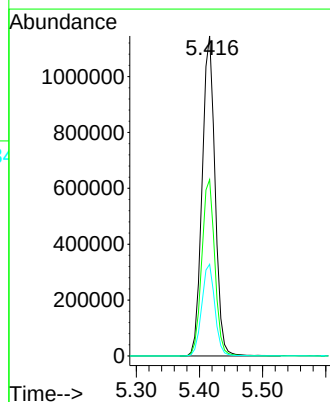
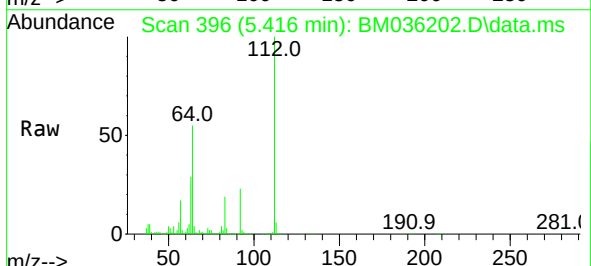
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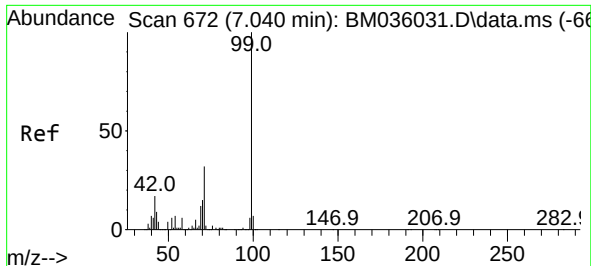
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#5
2-Fluorophenol
Concen: 107.042 ng
RT: 5.416 min Scan# 396
Delta R.T. -0.000 min
Lab File: BM036202.D
Acq: 10 Aug 2022 21:13

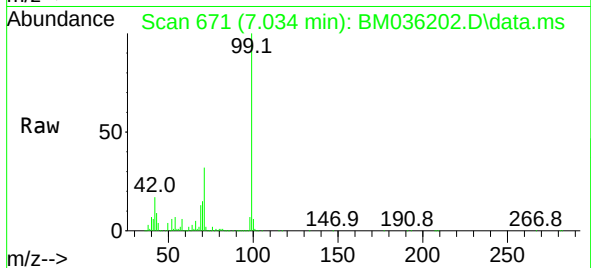
Tgt Ion:112 Resp: 1631616
Ion Ratio Lower Upper
112 100
64 55.1 47.8 71.6
63 28.7 26.6 40.0





#7
Phenol-d6
Concen: 105.408 ng
RT: 7.034 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM036202.D
Acq: 10 Aug 2022 21:13

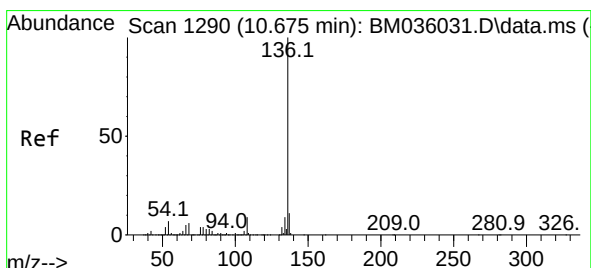
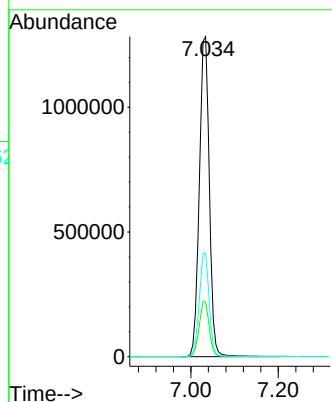
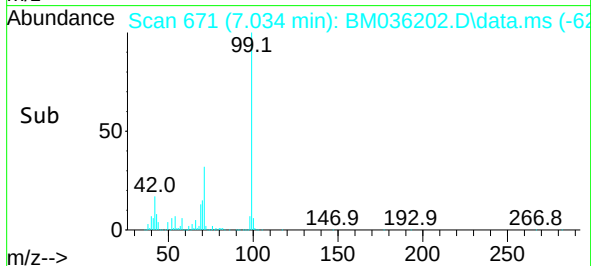
Instrument :
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ClientSampleId :
RLA-4711-WC



Tgt Ion: 99 Resp: 2044430
Ion Ratio Lower Upper
99 100
42 17.0 18.8 28.2
71 32.3 30.2 45.2

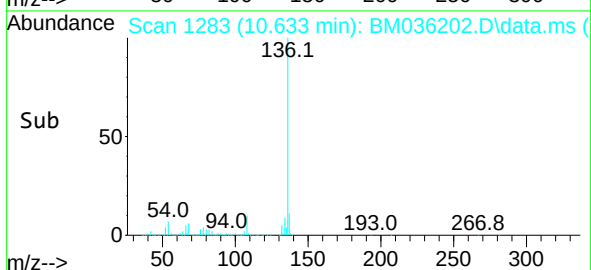
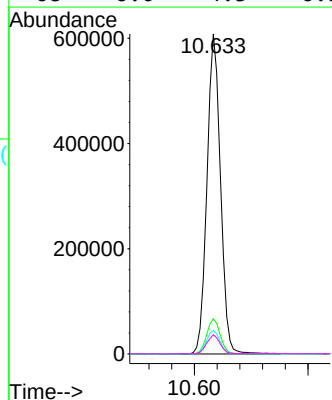
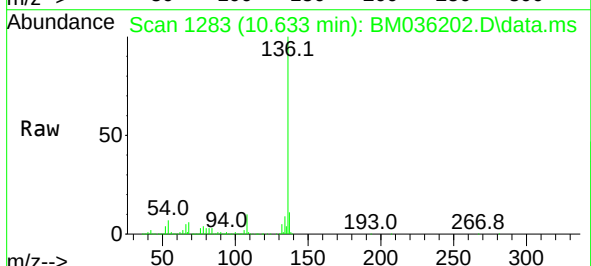
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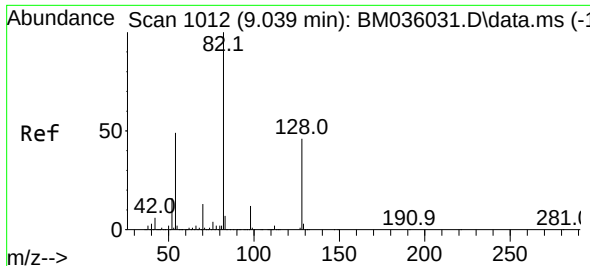
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.633 min Scan# 1283
Delta R.T. -0.006 min
Lab File: BM036202.D
Acq: 10 Aug 2022 21:13

Tgt Ion:136 Resp: 1000069
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.4 7.0 10.4
68 6.0 4.3 6.5





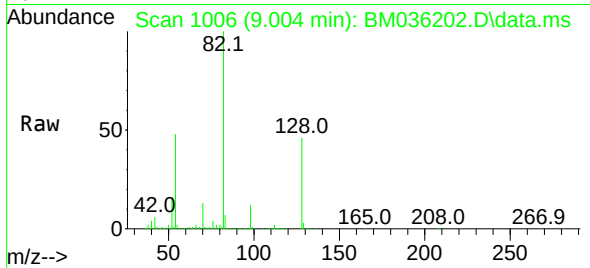
#23
Nitrobenzene-d5
Concen: 69.201 ng
RT: 9.004 min Scan# 1012
Delta R.T. -0.000 min
Lab File: BM036202.D
Acq: 10 Aug 2022 21:13

Instrument :

BNA_M

ClientSampleId :

RLA-4711-WC

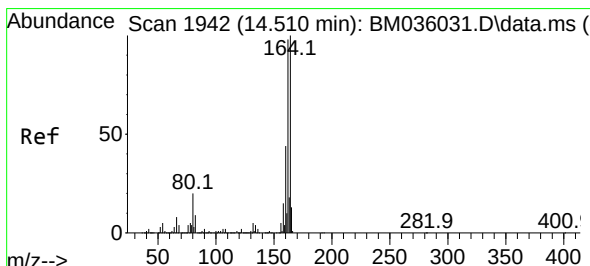
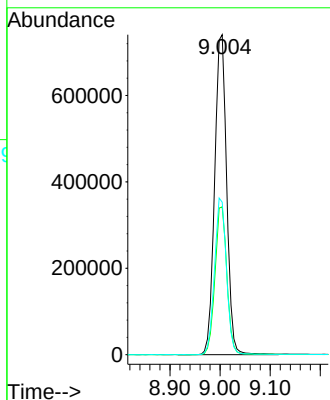
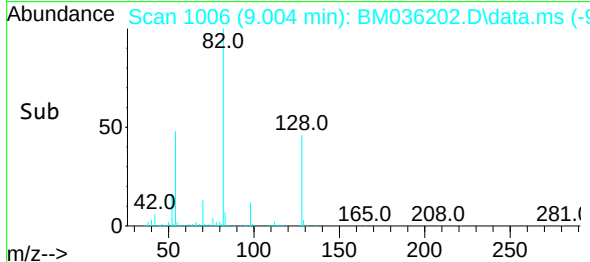


Tgt Ion: 82 Resp: 1236334
Ion Ratio Lower Upper
82 100
128 46.2 33.7 50.5
54 47.6 43.2 64.8

Manual Integrations

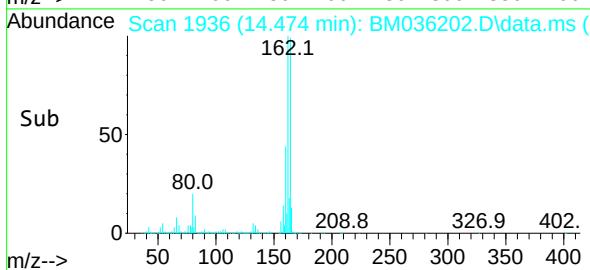
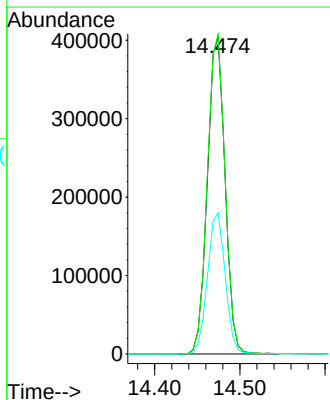
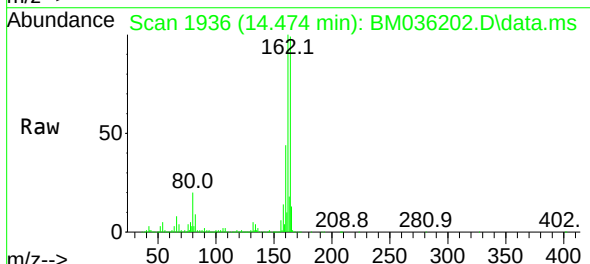
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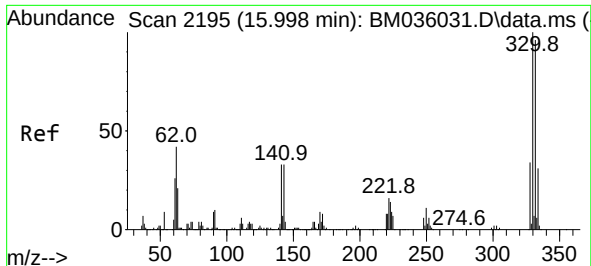
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.474 min Scan# 1936
Delta R.T. -0.000 min
Lab File: BM036202.D
Acq: 10 Aug 2022 21:13

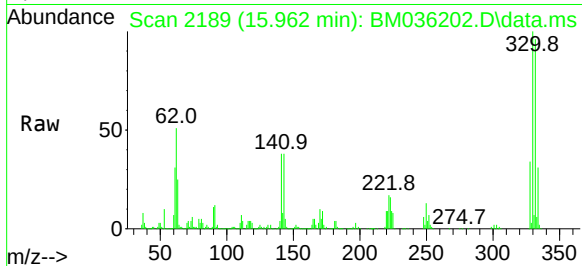
Tgt Ion:164 Resp: 582167
Ion Ratio Lower Upper
164 100
162 101.0 83.0 124.6
160 44.5 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 107.002 ng
RT: 15.962 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BM036202.D
Acq: 10 Aug 2022 21:13

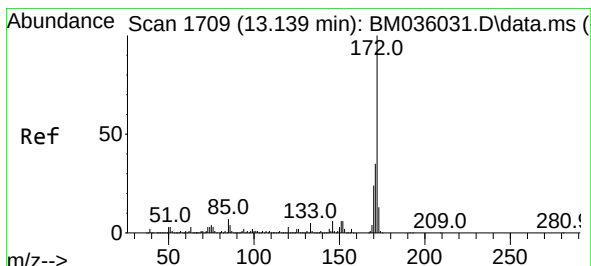
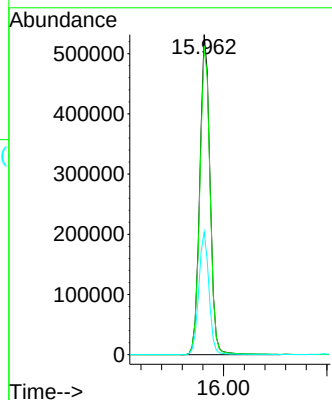
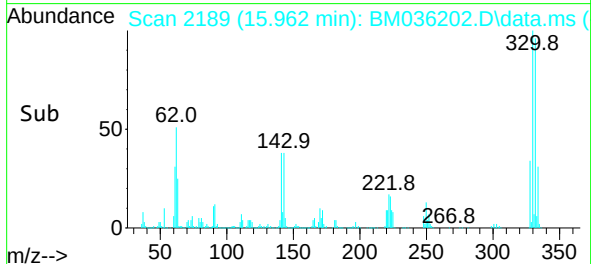
Instrument :
BNA_M
ClientSampleId :
RLA-4711-WC



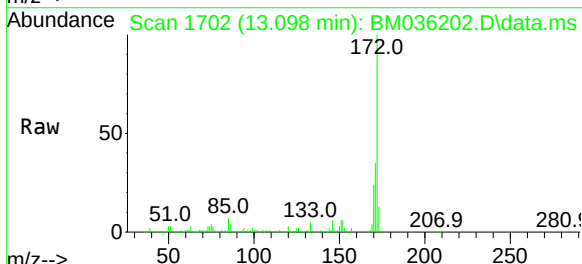
Tgt Ion:330 Resp: 730782
Ion Ratio Lower Upper
330 100
332 96.8 77.0 115.4
141 38.1 35.3 52.9

Manual Integrations
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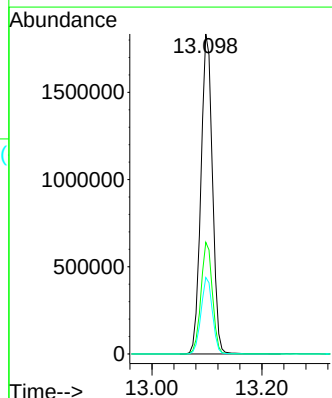
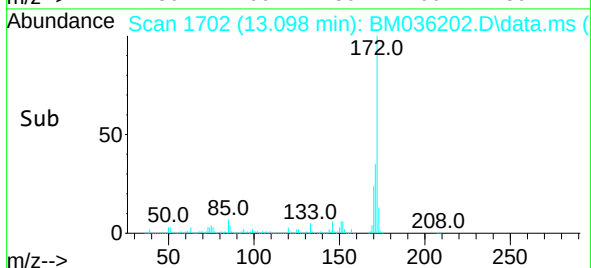
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022

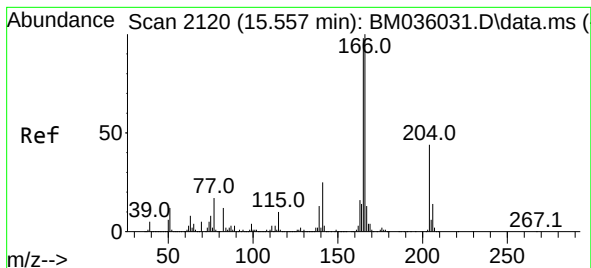


#45
2-Fluorobiphenyl
Concen: 67.798 ng
RT: 13.098 min Scan# 1702
Delta R.T. -0.006 min
Lab File: BM036202.D
Acq: 10 Aug 2022 21:13



Tgt Ion:172 Resp: 2673252
Ion Ratio Lower Upper
172 100
171 34.9 28.5 42.7
170 23.9 18.7 28.1





#58

Fluorene

Concen: 2.639 ng

RT: 15.521 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM036202.D

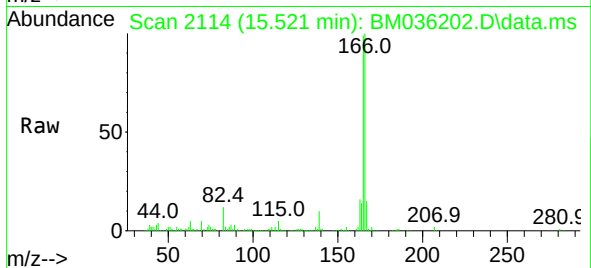
Acq: 10 Aug 2022 21:13

Instrument :

BNA_M

ClientSampleId :

RLA-4711-WC



Tgt Ion:166 Resp: 102339

Ion Ratio Lower Upper

166 100

165 99.3 79.4 119.2

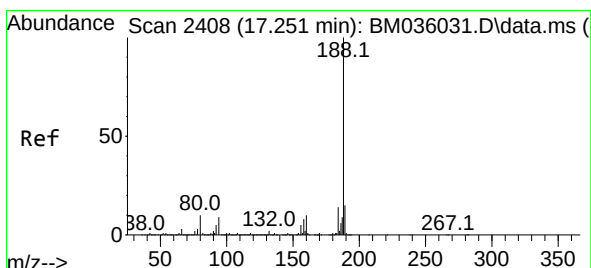
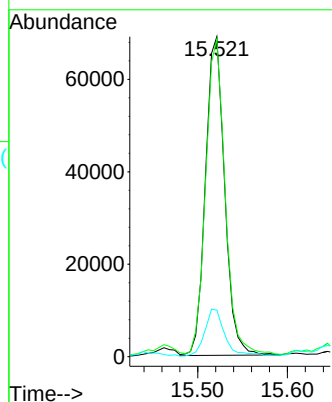
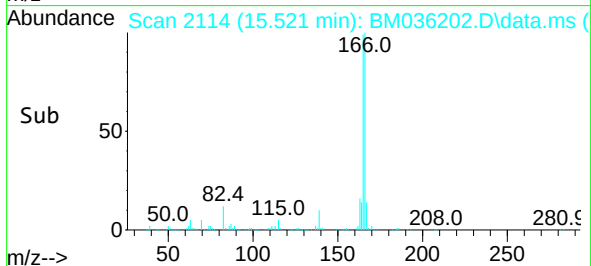
167 14.5 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/11/2022

Supervised By :Jagrut Upadhyay 08/11/2022



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.215 min Scan# 2402

Delta R.T. -0.000 min

Lab File: BM036202.D

Acq: 10 Aug 2022 21:13

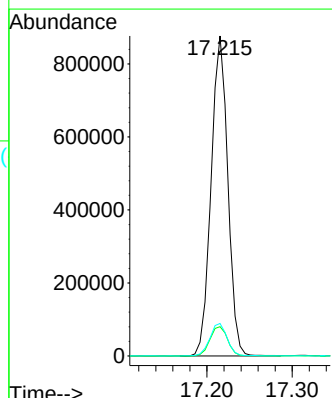
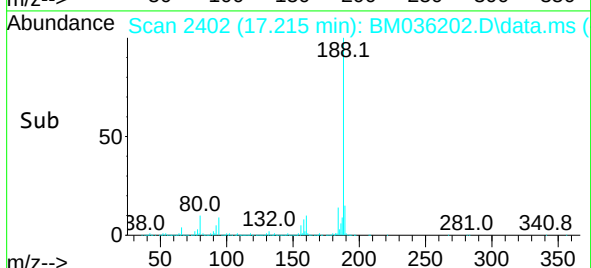
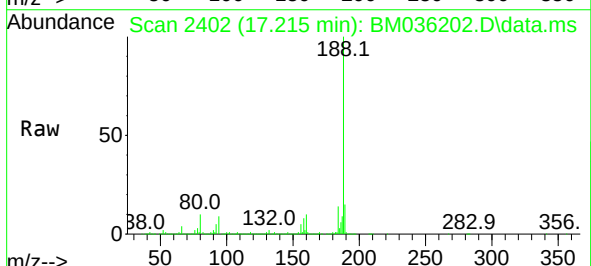
Tgt Ion:188 Resp: 1194485

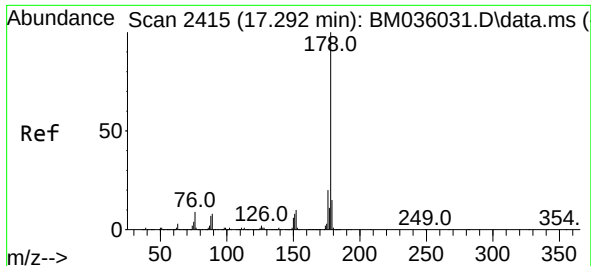
Ion Ratio Lower Upper

188 100

94 9.1 7.0 10.4

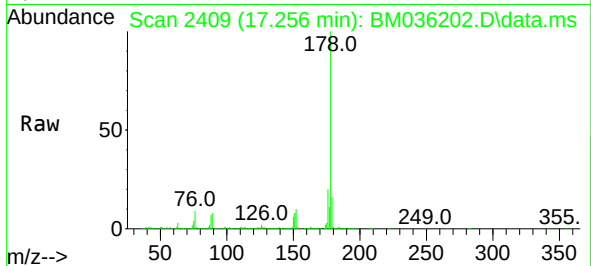
80 10.2 7.6 11.4





#71
Phenanthrene
Concen: 21.353 ng
RT: 17.256 min Scan# 2415
Delta R.T. -0.006 min
Lab File: BM036202.D
Acq: 10 Aug 2022 21:13

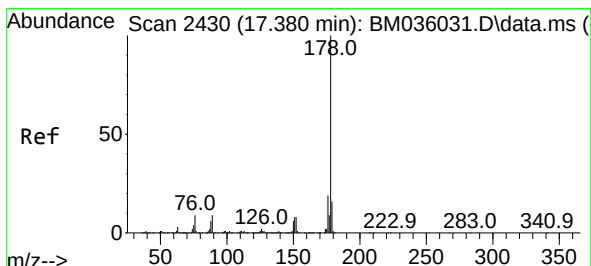
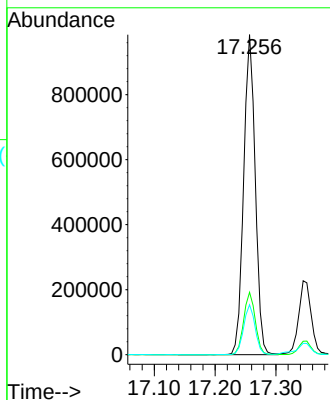
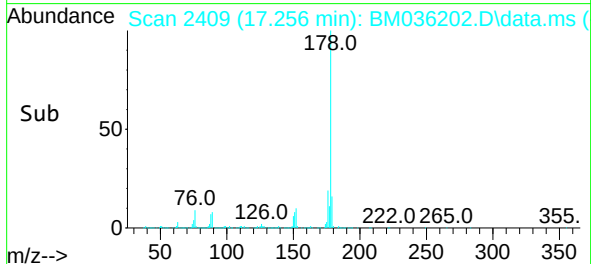
Instrument :
BNA_M
ClientSampleId :
RLA-4711-WC



Tgt Ion:178 Resp: 129944
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.0
179 15.6 12.4 18.6

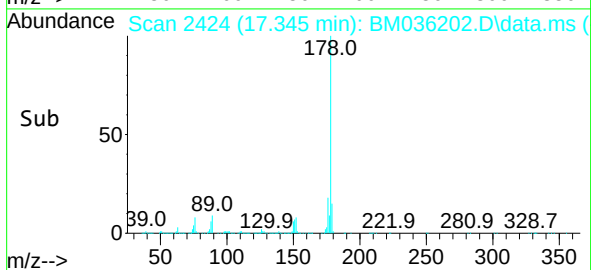
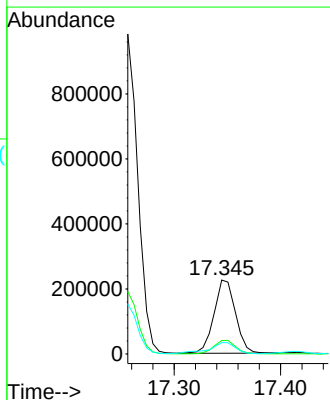
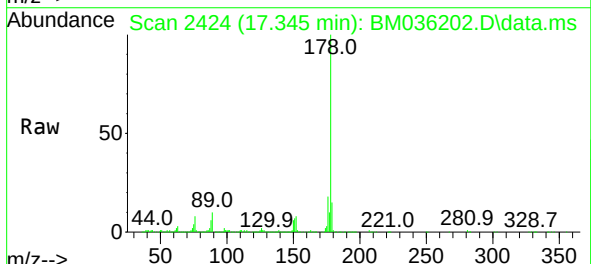
Manual Integrations
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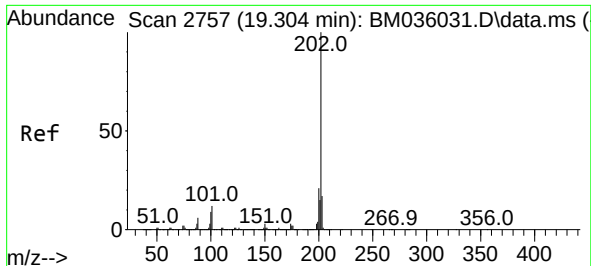
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#72
Anthracene
Concen: 5.381 ng
RT: 17.345 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BM036202.D
Acq: 10 Aug 2022 21:13

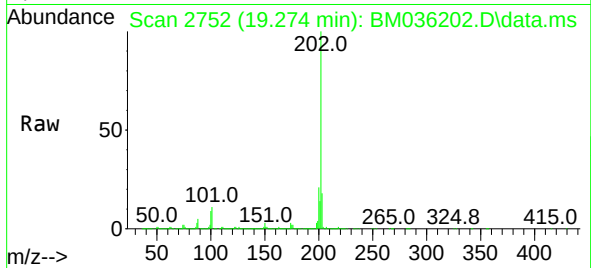
Tgt Ion:178 Resp: 317043
Ion Ratio Lower Upper
178 100
176 18.1 15.0 22.4
179 15.4 12.2 18.2





#75
Fluoranthene
Concen: 28.000 ng
RT: 19.274 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM036202.D
Acq: 10 Aug 2022 21:13

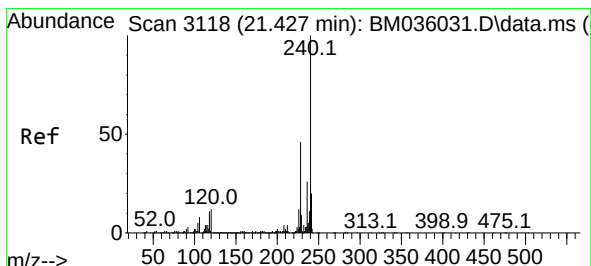
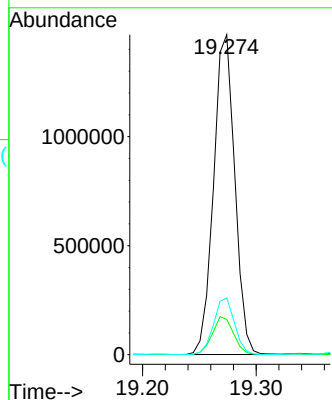
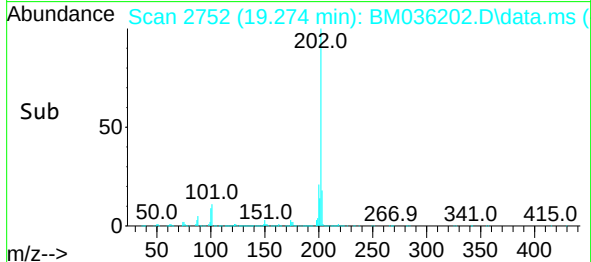
Instrument :
BNA_M
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RLA-4711-WC



Tgt Ion:202 Resp: 190736
Ion Ratio Lower Upper
202 100
101 11.0 0.0 30.6
203 17.7 0.0 37.4

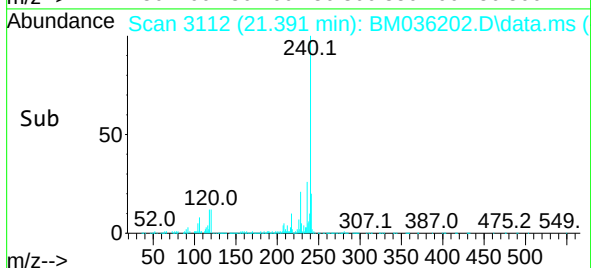
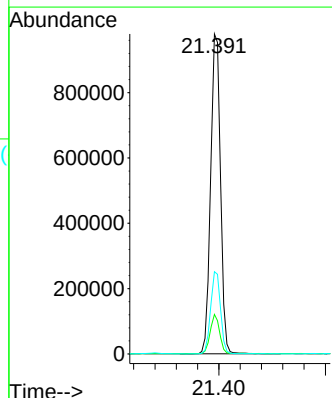
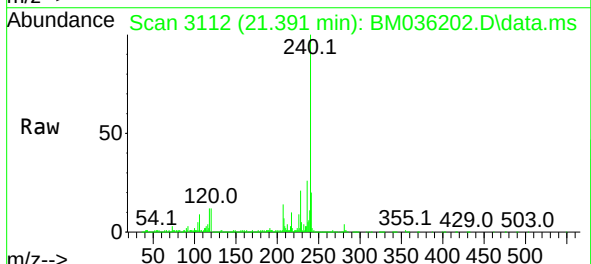
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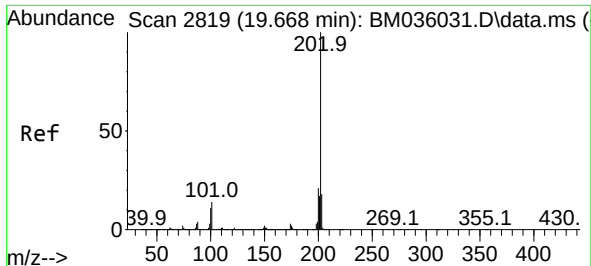
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.391 min Scan# 3112
Delta R.T. -0.006 min
Lab File: BM036202.D
Acq: 10 Aug 2022 21:13

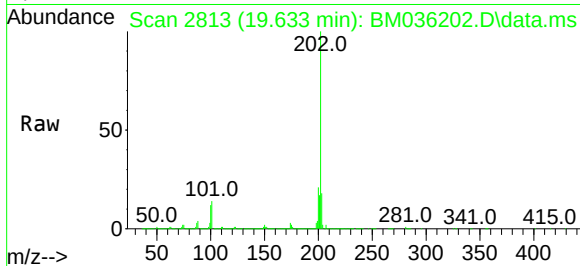
Tgt Ion:240 Resp: 1255854
Ion Ratio Lower Upper
240 100
120 12.4 9.4 14.0
236 25.7 20.6 30.8





#78
Pyrene
Concen: 20.548 ng
RT: 19.633 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM036202.D
Acq: 10 Aug 2022 21:13

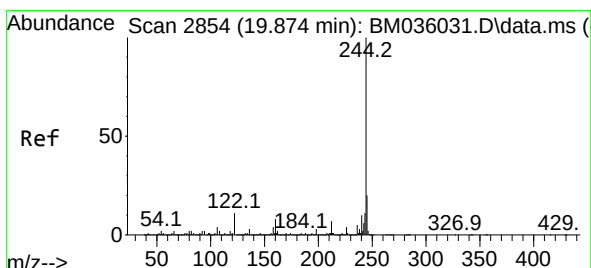
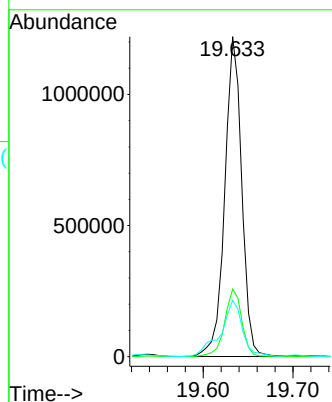
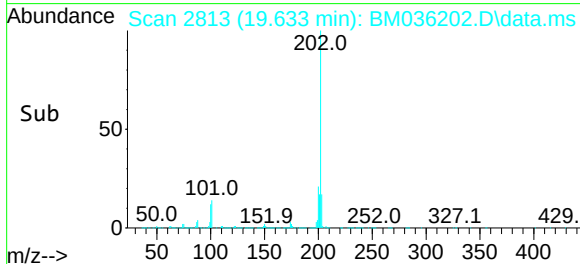
Instrument :
BNA_M
ClientSampleId :
RLA-4711-WC



Tgt Ion:202 Resp: 160015
Ion Ratio Lower Upper
202 100
200 21.1 16.7 25.1
203 17.6 13.9 20.9

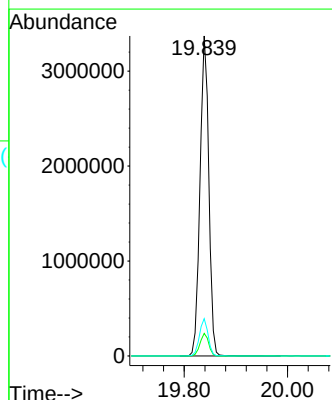
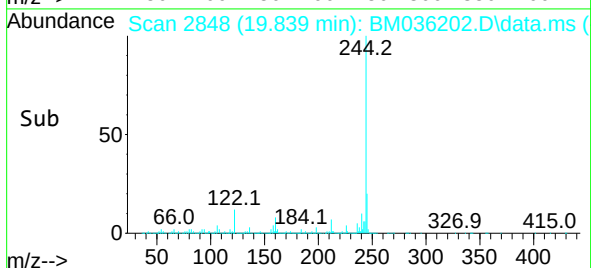
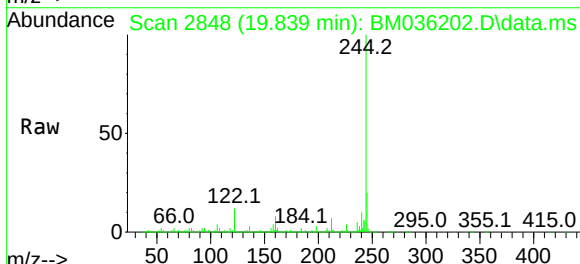
Manual Integrations
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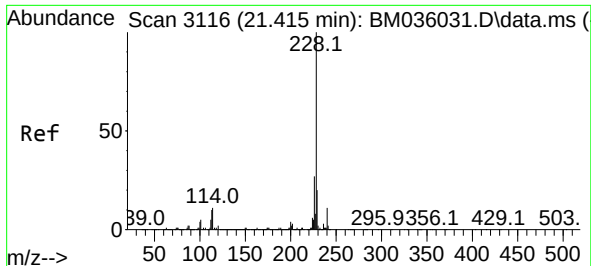
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#79
Terphenyl-d14
Concen: 62.419 ng
RT: 19.839 min Scan# 2848
Delta R.T. -0.006 min
Lab File: BM036202.D
Acq: 10 Aug 2022 21:13

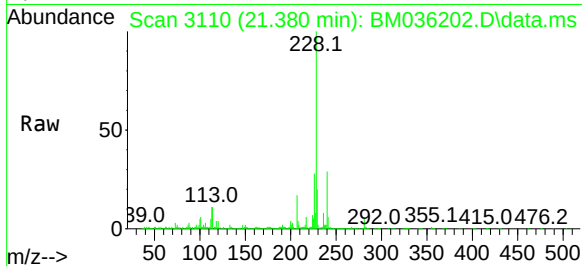
Tgt Ion:244 Resp: 3974233
Ion Ratio Lower Upper
244 100
212 7.0 6.2 9.4
122 11.7 8.3 12.5





#81
Benzo(a)anthracene
Concen: 12.905 ng
RT: 21.380 min Scan# 3110
Delta R.T. -0.006 min
Lab File: BM036202.D
Acq: 10 Aug 2022 21:13

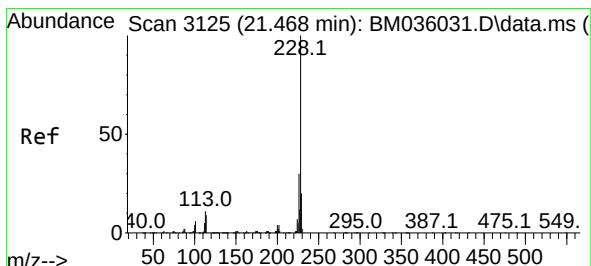
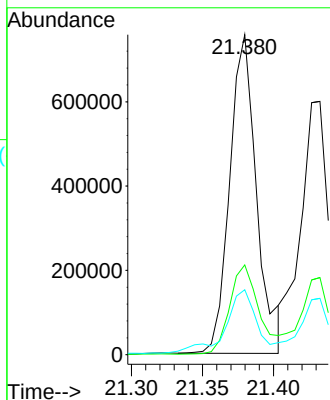
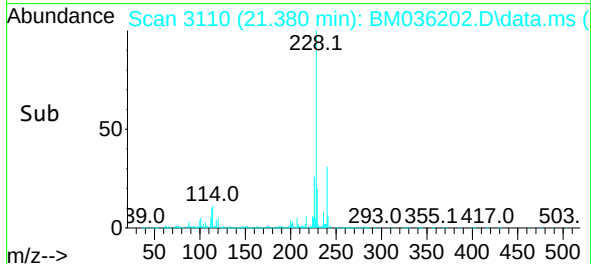
Instrument :
BNA_M
ClientSampleId :
RLA-4711-WC



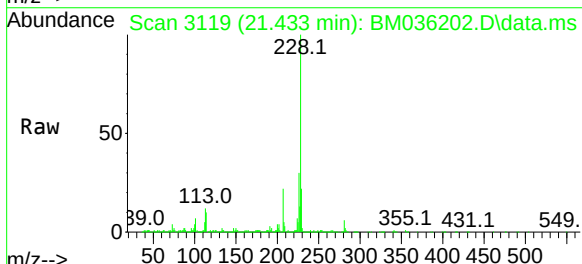
Tgt Ion:228 Resp: 998209
Ion Ratio Lower Upper
228 100
226 28.1 22.3 33.5
229 20.3 15.8 23.6

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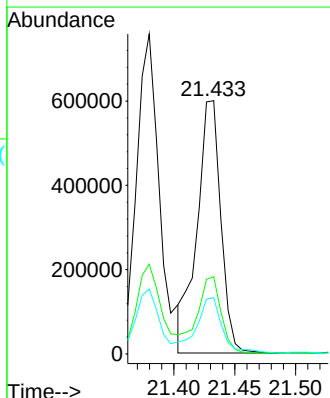
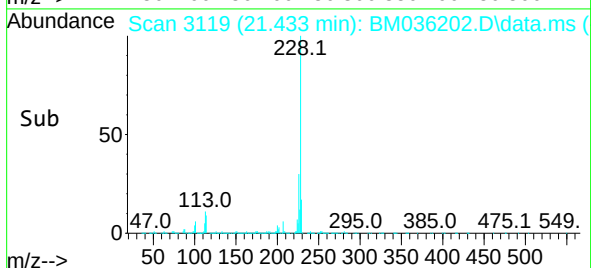
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022

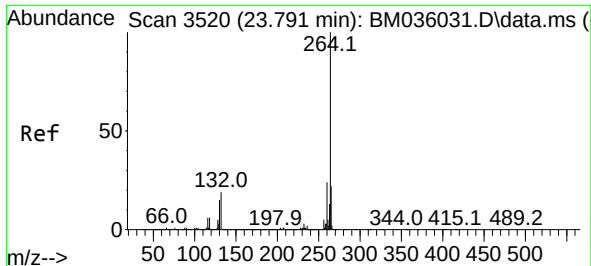


#83
Chrysene
Concen: 11.126 ng
RT: 21.433 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BM036202.D
Acq: 10 Aug 2022 21:13



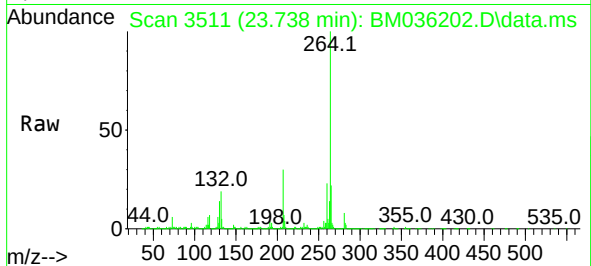
Tgt Ion:228 Resp: 818103
Ion Ratio Lower Upper
228 100
226 30.5 24.4 36.6
229 22.2 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.738 min Scan# 3511
Delta R.T. -0.006 min
Lab File: BM036202.D
Acq: 10 Aug 2022 21:13

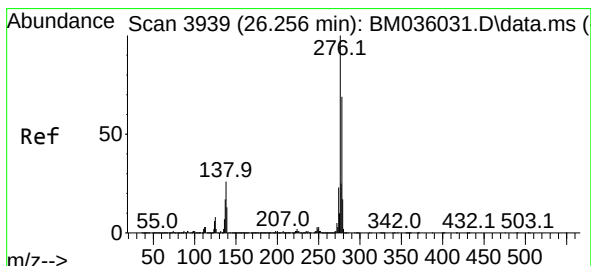
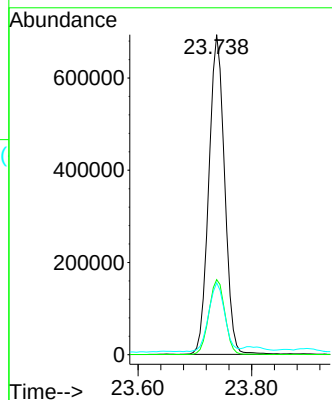
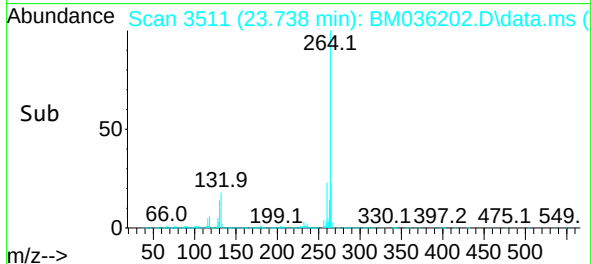
Instrument :
BNA_M
ClientSampleId :
RLA-4711-WC



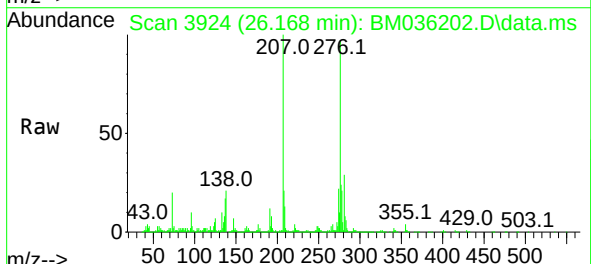
Tgt Ion:264 Resp: 133219
Ion Ratio Lower Upper
264 100
260 23.5 18.9 28.3
265 22.5 17.5 26.3

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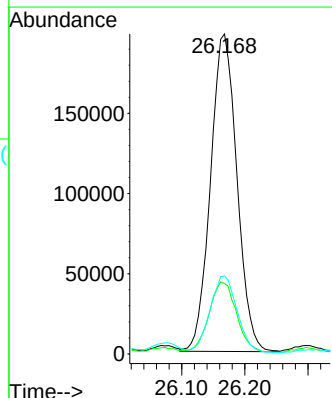
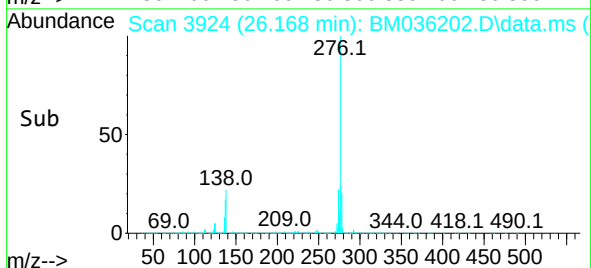
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022

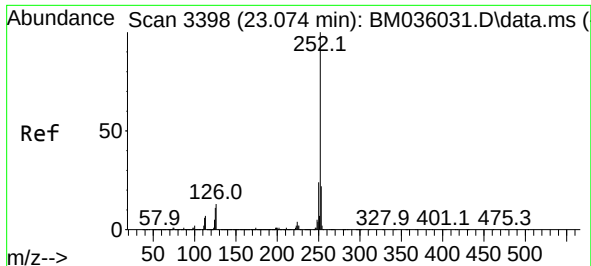


#87
Indeno(1,2,3-cd)pyrene
Concen: 6.147 ng
RT: 26.168 min Scan# 3924
Delta R.T. -0.024 min
Lab File: BM036202.D
Acq: 10 Aug 2022 21:13



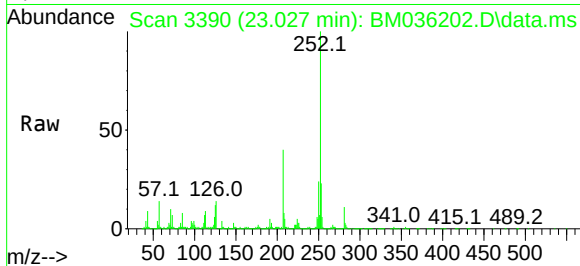
Tgt Ion:276 Resp: 575502
Ion Ratio Lower Upper
276 100
138 23.1 20.2 30.4
277 24.7 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 15.280 ng
RT: 23.027 min Scan# 3398
Delta R.T. -0.006 min
Lab File: BM036202.D
Acq: 10 Aug 2022 21:13

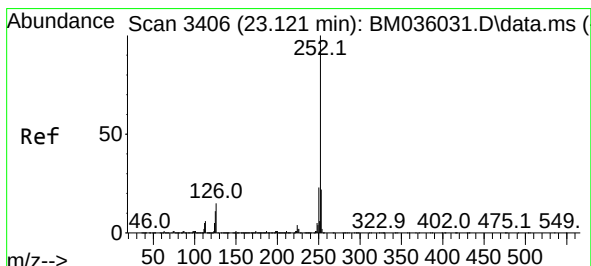
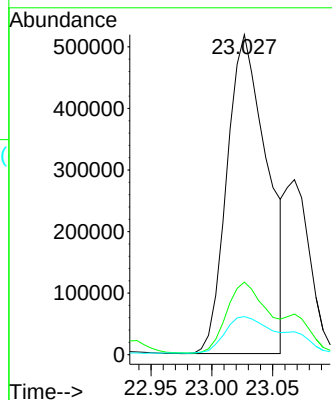
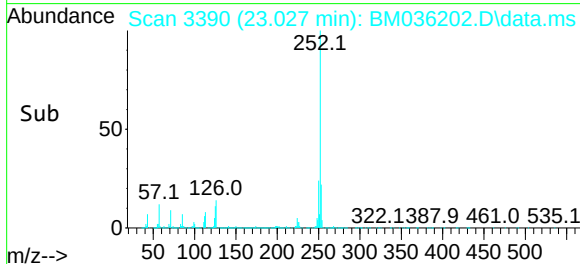
Instrument :
BNA_M
ClientSampleId :
RLA-4711-WC



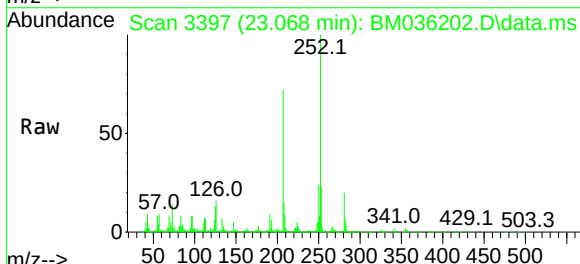
Tgt Ion:252 Resp: 119264
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 11.9 7.6 11.4

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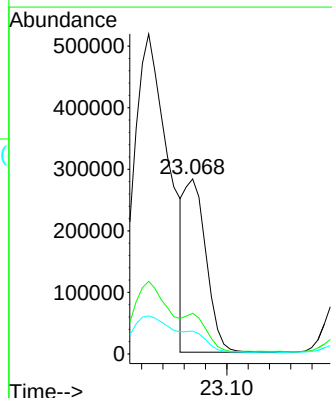
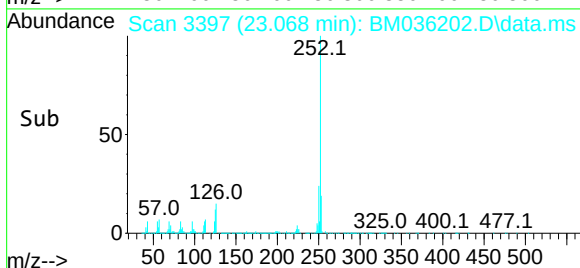
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022

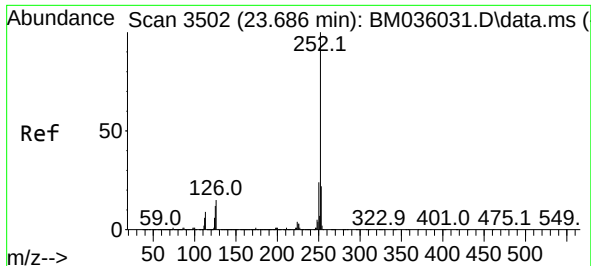


#89
Benzo(k)fluoranthene
Concen: 5.034 ng m
RT: 23.068 min Scan# 3397
Delta R.T. -0.012 min
Lab File: BM036202.D
Acq: 10 Aug 2022 21:13



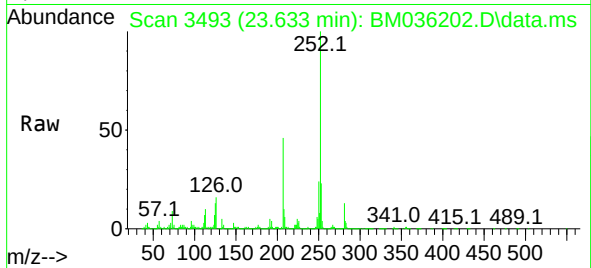
Tgt Ion:252 Resp: 396830
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 13.1 7.6 11.4





#90
Benzo(a)pyrene
Concen: 13.003 ng
RT: 23.633 min Scan# 34
Delta R.T. -0.012 min
Lab File: BM036202.D
Acq: 10 Aug 2022 21:13

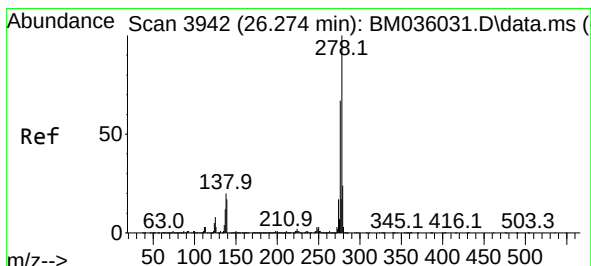
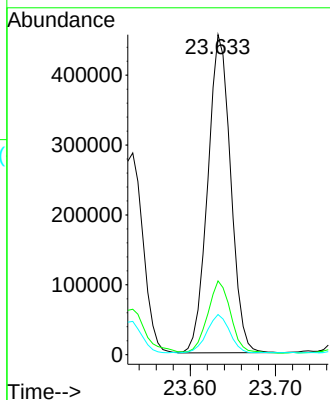
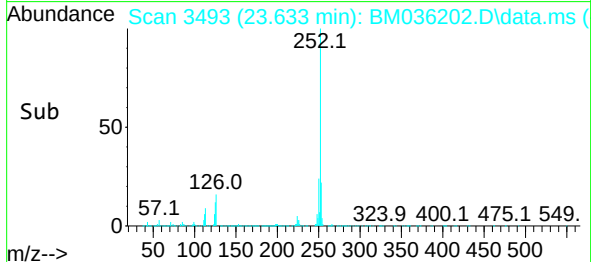
Instrument :
BNA_M
ClientSampleId :
RLA-4711-WC



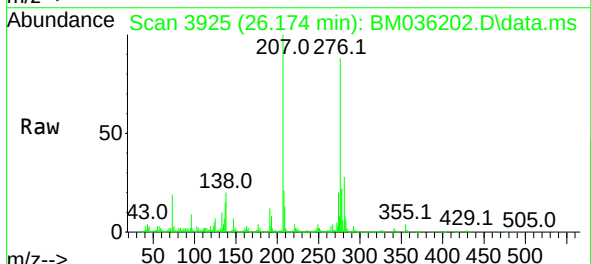
Tgt Ion:252 Resp: 851528
Ion Ratio Lower Upper
252 100
253 23.1 17.2 25.8
125 12.6 8.7 13.1

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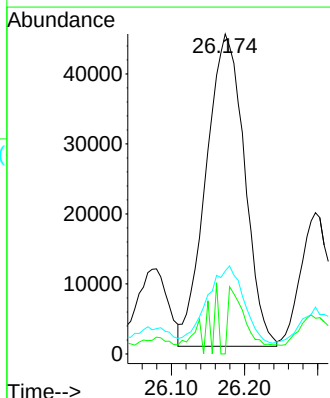
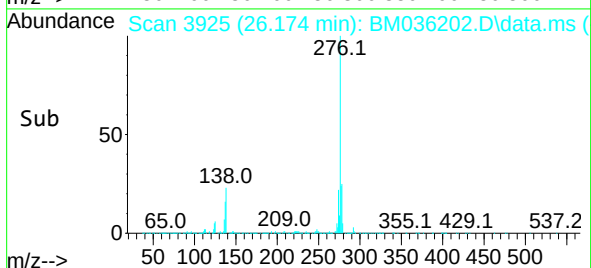
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022

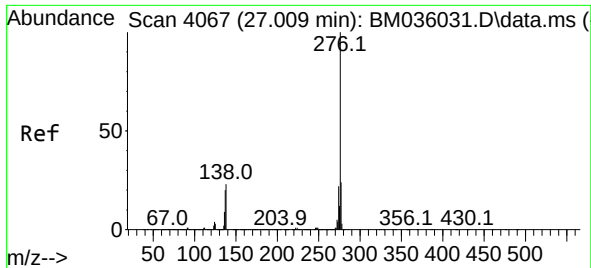


#91
Dibenzo(a,h)anthracene
Concen: 2.074 ng m
RT: 26.174 min Scan# 3925
Delta R.T. -0.030 min
Lab File: BM036202.D
Acq: 10 Aug 2022 21:13



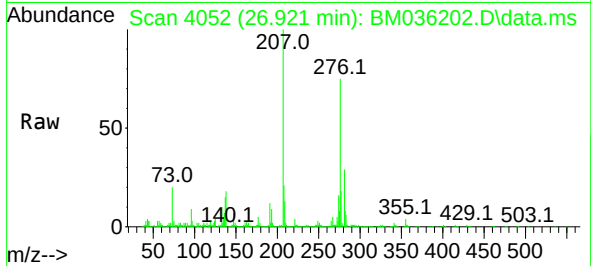
Tgt Ion:278 Resp: 162542
Ion Ratio Lower Upper
278 100
139 0.0 12.9 19.3#
279 26.0 18.7 28.1





#92
 Benzo(g,h,i)perylene
 Concen: 6.999 ng
 RT: 26.921 min Scan# 40
 Delta R.T. -0.024 min
 Lab File: BM036202.D
 Acq: 10 Aug 2022 21:13

Instrument :
 BNA_M
 ClientSampleId :
 RLA-4711-WC



Tgt Ion:	276	Resp:	531009
Ion Ratio	Lower	Upper	
276	100		
277	23.7	18.7	28.1
138	24.2	17.6	26.4

Manual Integrations
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Reviewed By :Christian Giraldo 08/11/2022
 Supervised By :Jagrut Upadhyay 08/11/2022

