

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM033023\
 Data File : BM039232.D
 Acq On : 30 Mar 2023 18:32
 Operator : CG/JU
 Sample : 02023-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-11-TEST-PIT-ON-CENTRAL

Quant Time: Mar 31 02:39:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 30 05:15:45 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 03/31/2023
 Supervised By :Jagrut Upadhyay 03/31/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	236850	20.000	ng	0.00
21) Naphthalene-d8	10.734	136	926262	20.000	ng	0.00
39) Acenaphthene-d10	14.569	164	530949	20.000	ng	0.00
64) Phenanthrene-d10	17.315	188	1099387	20.000	ng	0.00
76) Chrysene-d12	21.498	240	1150460	20.000	ng	0.00
86) Perylene-d12	23.915	264	1367799	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	1932817	122.947	ng	0.00
7) Phenol-d6	7.093	99	2433242	119.666	ng	0.00
23) Nitrobenzene-d5	9.092	82	1465956	76.921	ng	0.00
42) 2,4,6-Tribromophenol	16.057	330	771732	114.502	ng	0.00
45) 2-Fluorobiphenyl	13.192	172	2873813	73.336	ng	0.00
79) Terphenyl-d14	19.939	244	4184681	67.203	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.292	152	257227	4.930	ng	98
58) Fluorene	15.616	166	155393	3.956	ng	96
71) Phenanthrene	17.357	178	523899	8.701	ng	98
72) Anthracene	17.445	178	270057	4.399	ng	99
75) Fluoranthene	19.374	202	891162	12.984	ng	99
78) Pyrene	19.739	202	1583831	19.338	ng	99
81) Benzo(a)anthracene	21.480	228	615975	7.592	ng	97
83) Chrysene	21.533	228	600542	7.667	ng	97
87) Indeno(1,2,3-cd)pyrene	26.415	276	314553	3.121	ng	96
88) Benzo(b)fluoranthene	23.180	252	624210m	7.458	ng	
89) Benzo(k)fluoranthene	23.221	252	204937m	2.404	ng	
90) Benzo(a)pyrene	23.803	252	664727	8.085	ng	99
92) Benzo(g,h,i)perylene	27.185	276	351552	4.224	ng	99

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

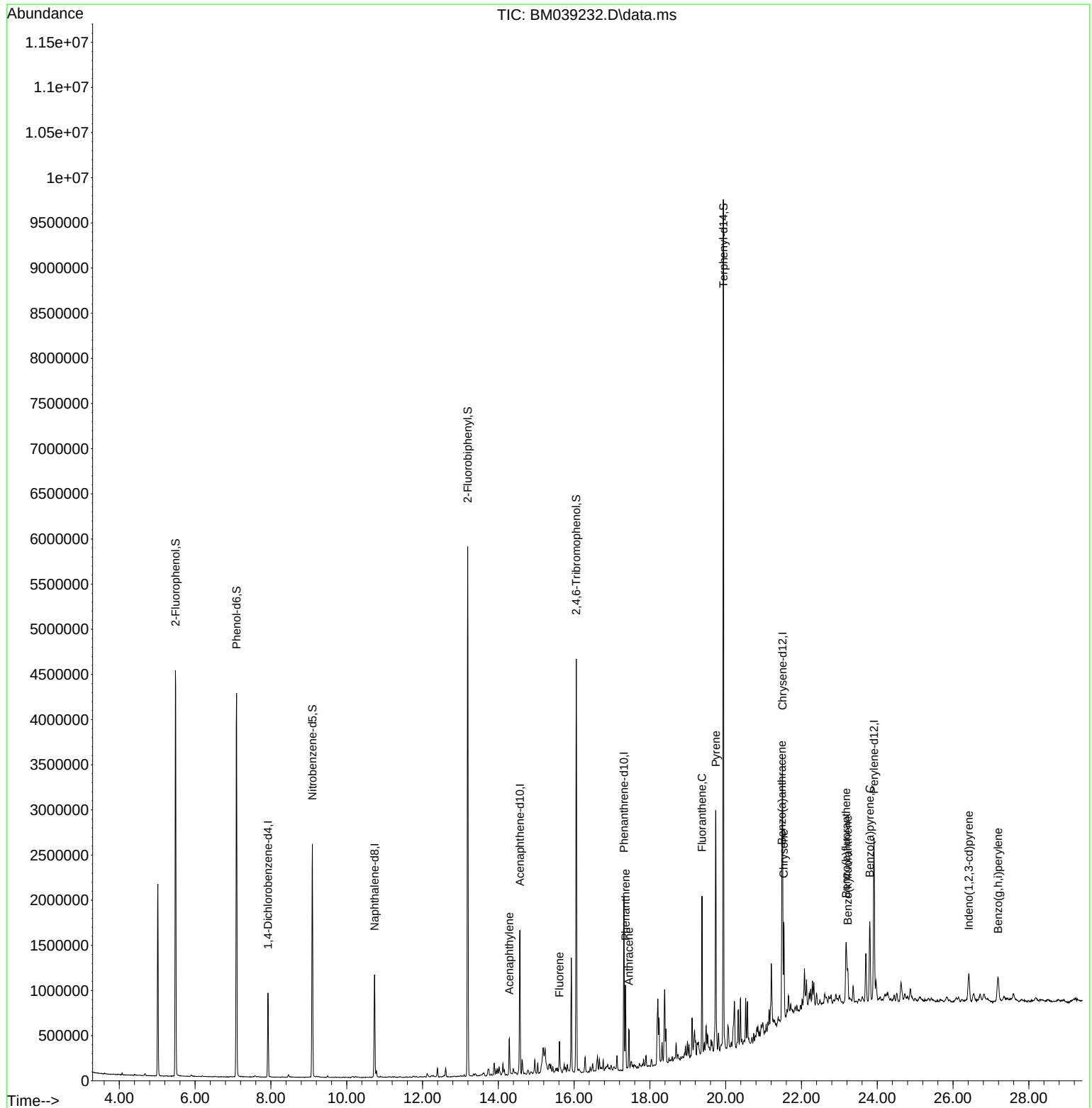
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Data File : BM039232.D
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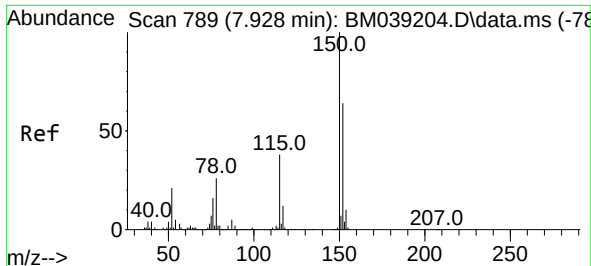
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Quant Time: Mar 31 02:39:56 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
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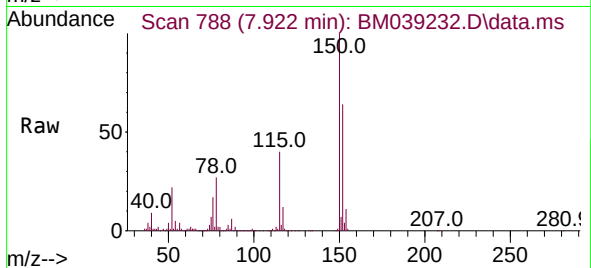
Reviewed By :Christian Giraldo 03/31/2023
Supervised By :Jagrut Upadhyay 03/31/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.922 min Scan# 789
Delta R.T. -0.006 min
Lab File: BM039232.D
Acq: 30 Mar 2023 18:32

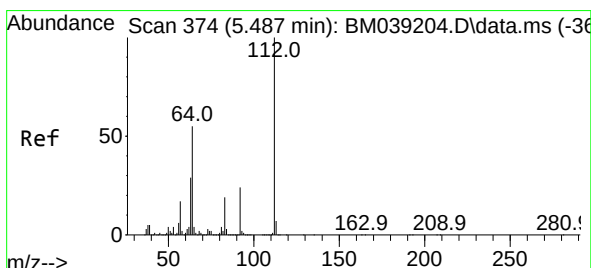
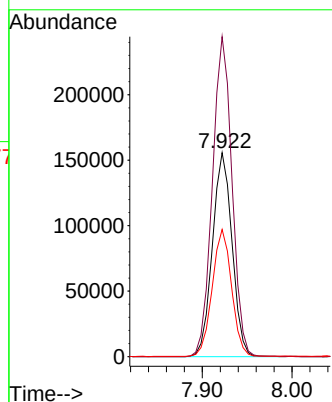
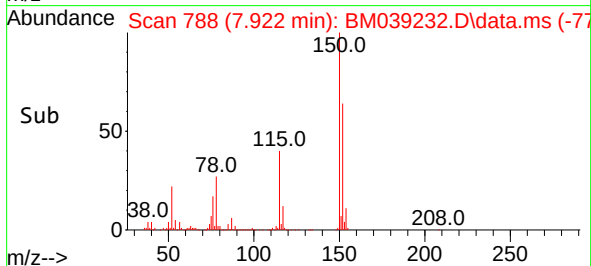
Instrument :
BNA_M
ClientSampleId :
TP-11-TEST-PIT-ON-CENTRAL



Tgt Ion:152 Resp: 236850
Ion Ratio Lower Upper
152 100
150 156.9 125.5 188.3
115 62.3 48.1 72.1

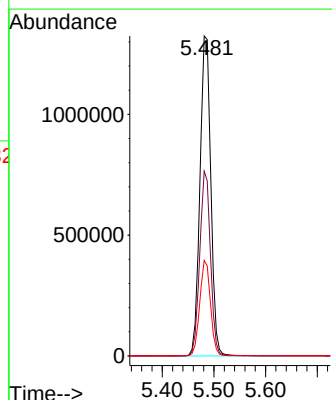
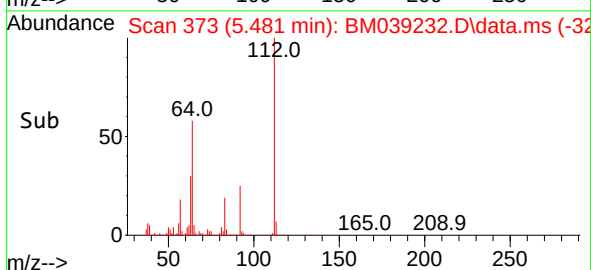
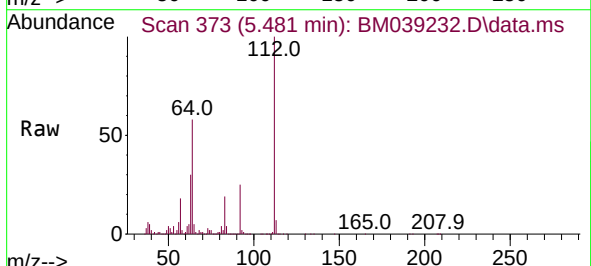
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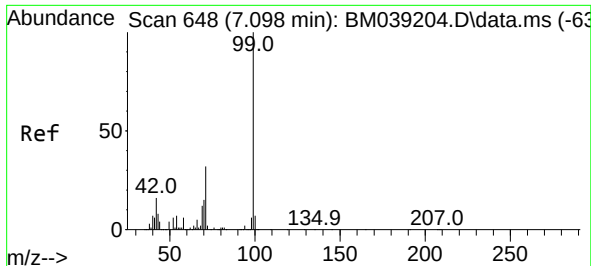
Reviewed By :Christian Giraldo 03/31/2023
Supervised By :Jagrut Upadhyay 03/31/2023



#5
2-Fluorophenol
Concen: 122.947 ng
RT: 5.481 min Scan# 373
Delta R.T. -0.006 min
Lab File: BM039232.D
Acq: 30 Mar 2023 18:32

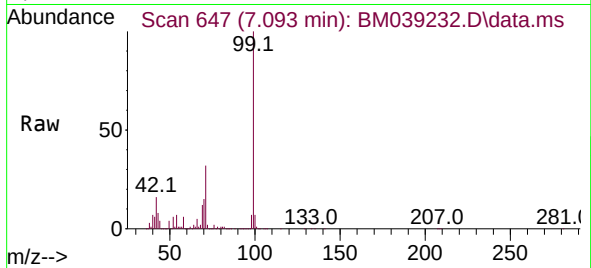
Tgt Ion:112 Resp: 1932817
Ion Ratio Lower Upper
112 100
64 57.7 44.3 66.5
63 29.8 23.0 34.6





#7
Phenol-d6
Concen: 119.666 ng
RT: 7.093 min Scan# 64
Delta R.T. -0.006 min
Lab File: BM039232.D
Acq: 30 Mar 2023 18:32

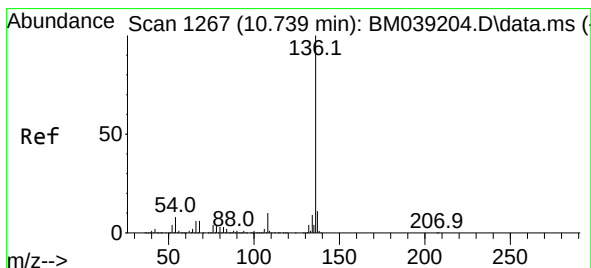
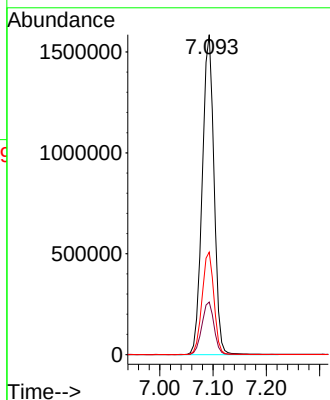
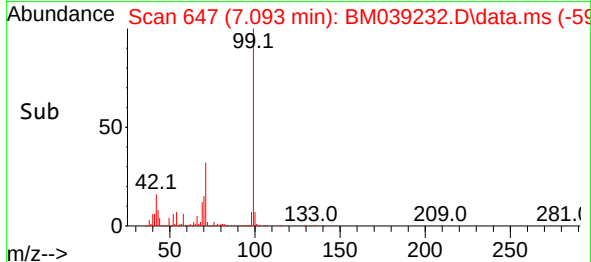
Instrument :
BNA_M
ClientSampleId :
TP-11-TEST-PIT-ON-CENTRAL



Tgt Ion: 99 Resp: 243324
Ion Ratio Lower Upper
99 100
42 16.5 13.0 19.6
71 32.0 25.5 38.3

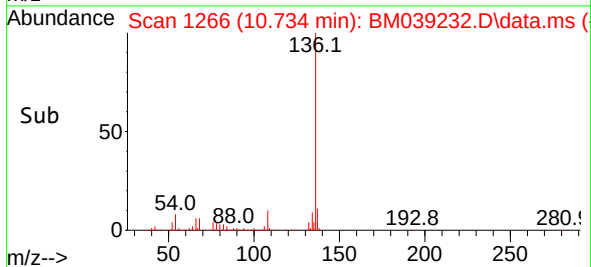
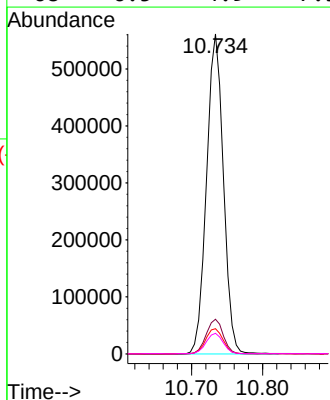
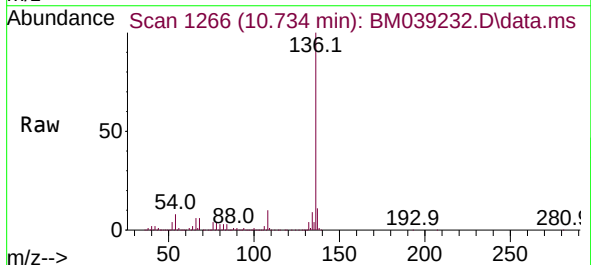
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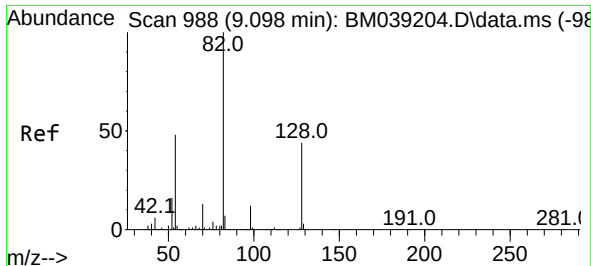
Reviewed By :Christian Giraldo 03/31/2023
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.734 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BM039232.D
Acq: 30 Mar 2023 18:32

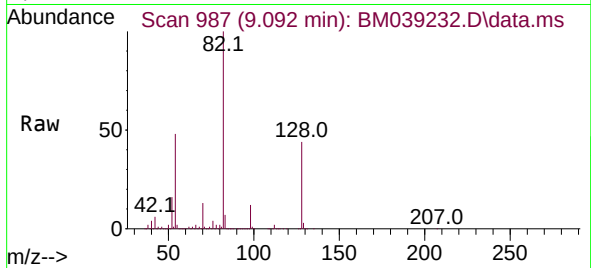
Tgt Ion:136 Resp: 926262
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 7.9 6.2 9.4
68 6.5 4.9 7.3





#23
Nitrobenzene-d5
Concen: 76.921 ng
RT: 9.092 min Scan# 988
Delta R.T. -0.006 min
Lab File: BM039232.D
Acq: 30 Mar 2023 18:32

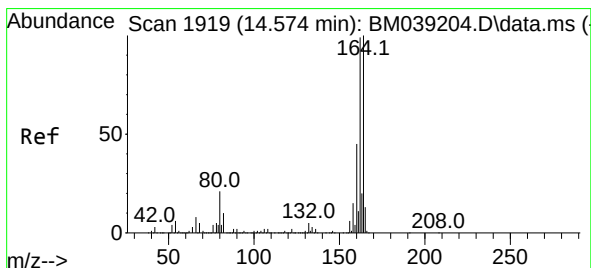
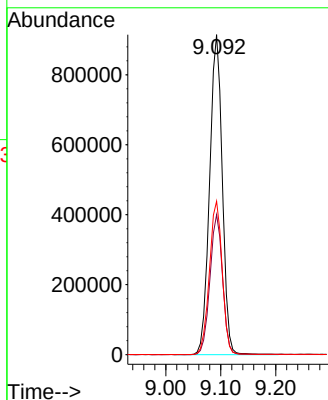
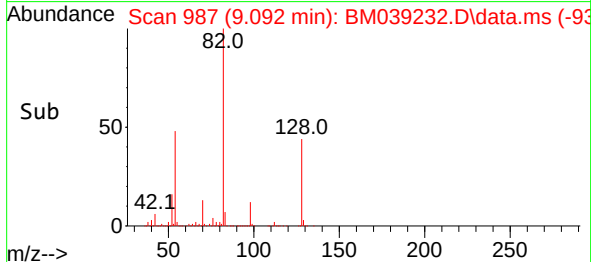
Instrument : BNA_M
Client Sample Id : TP-11-TEST-PIT-ON-CENTRAL



Tgt Ion: 82 Resp: 1465956
Ion Ratio Lower Upper
82 100
128 43.7 35.1 52.7
54 47.9 38.5 57.7

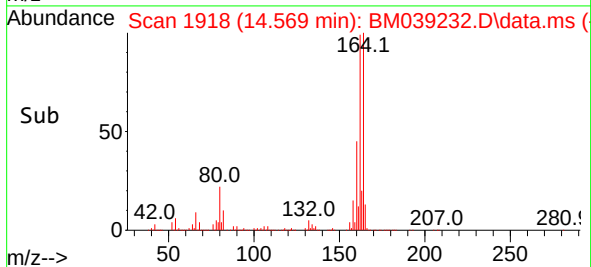
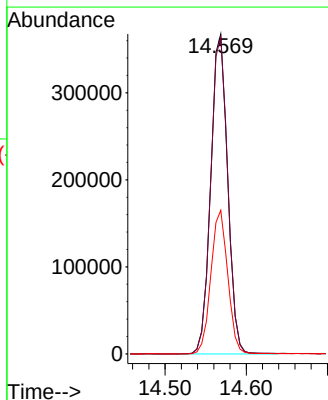
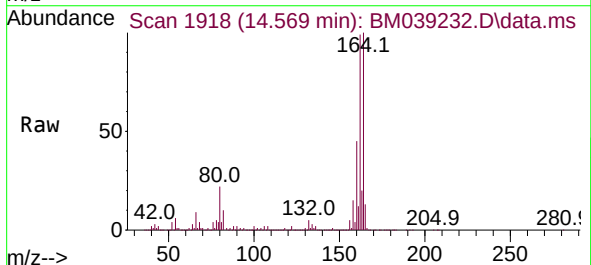
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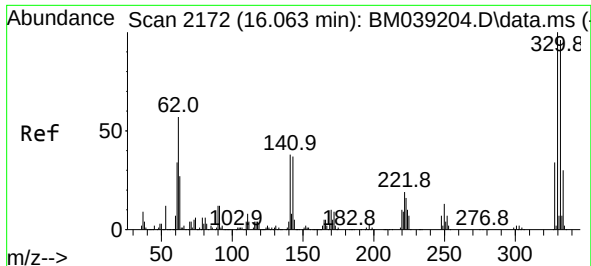
Reviewed By :Christian Giraldo 03/31/2023
Supervised By :Jagrut Upadhyay 03/31/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.569 min Scan# 1918
Delta R.T. -0.005 min
Lab File: BM039232.D
Acq: 30 Mar 2023 18:32

Tgt Ion:164 Resp: 530949
Ion Ratio Lower Upper
164 100
162 99.0 79.1 118.7
160 44.9 35.8 53.8





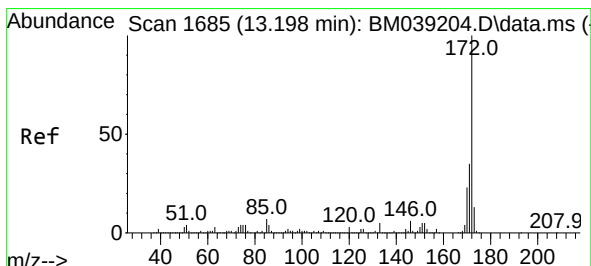
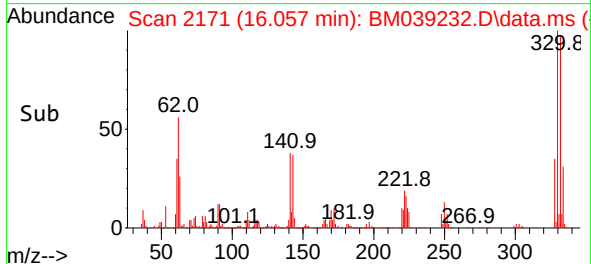
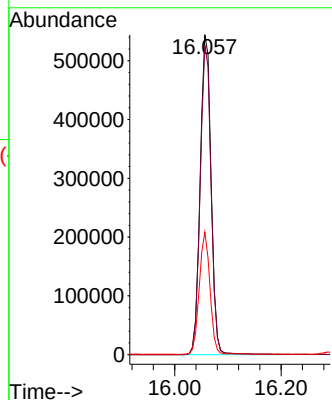
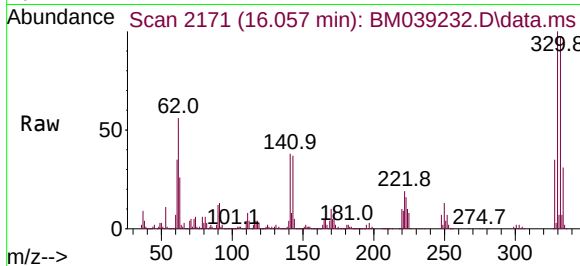
#42
2,4,6-Tribromophenol
Concen: 114.502 ng
RT: 16.057 min Scan# 2172
Delta R.T. -0.006 min
Lab File: BM039232.D
Acq: 30 Mar 2023 18:32

Instrument :
BNA_M
ClientSampleId :
TP-11-TEST-PIT-ON-CENTRAL

Tgt Ion:330 Resp: 771732
Ion Ratio Lower Upper
330 100
332 96.2 77.4 116.0
141 37.4 29.8 44.6

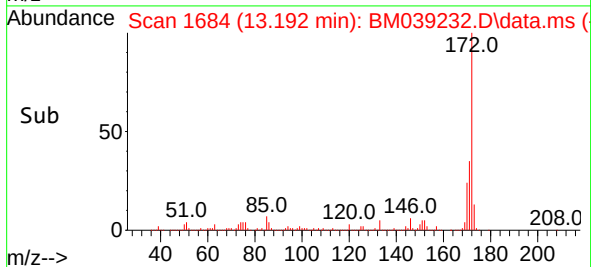
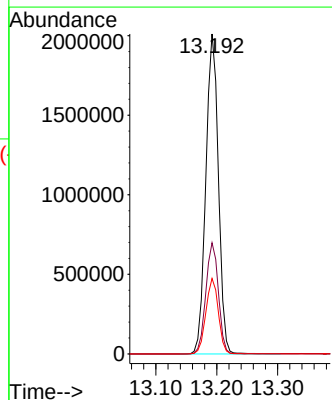
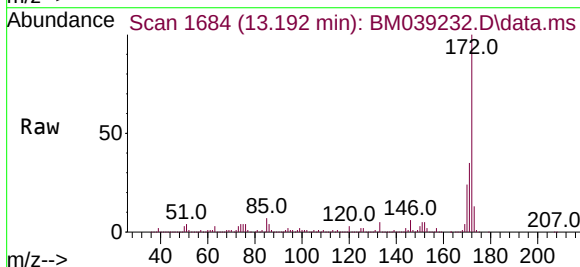
Manual Integrations
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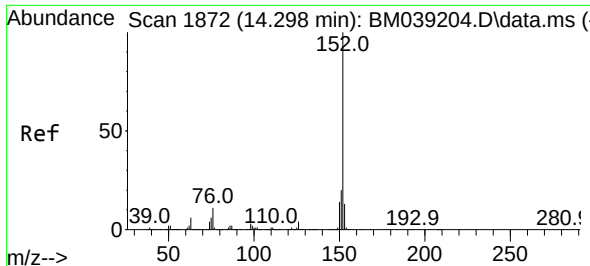
Reviewed By :Christian Giraldo 03/31/2023
Supervised By :Jagrut Upadhyay 03/31/2023



#45
2-Fluorobiphenyl
Concen: 73.336 ng
RT: 13.192 min Scan# 1684
Delta R.T. -0.006 min
Lab File: BM039232.D
Acq: 30 Mar 2023 18:32

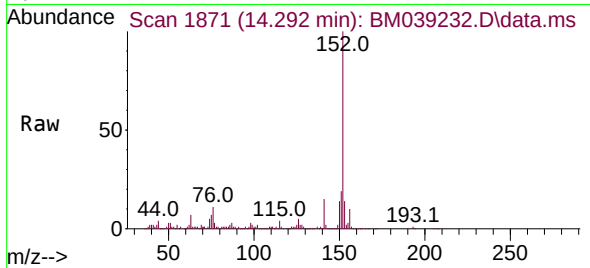
Tgt Ion:172 Resp: 2873813
Ion Ratio Lower Upper
172 100
171 34.7 28.0 42.0
170 23.6 18.7 28.1





#49
Acenaphthylene
Concen: 4.930 ng
RT: 14.292 min Scan# 1872
Delta R.T. -0.006 min
Lab File: BM039232.D
Acq: 30 Mar 2023 18:32

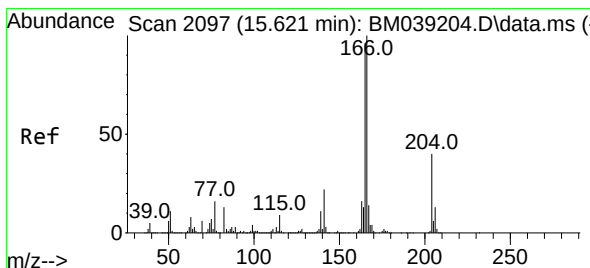
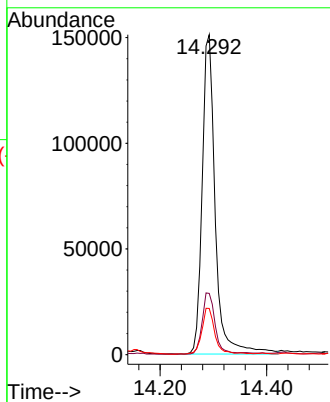
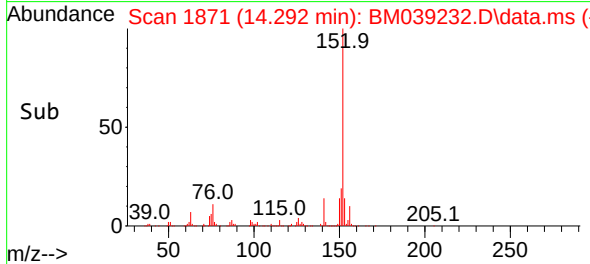
Instrument :
BNA_M
ClientSampleId :
TP-11-TEST-PIT-ON-CENTRAL



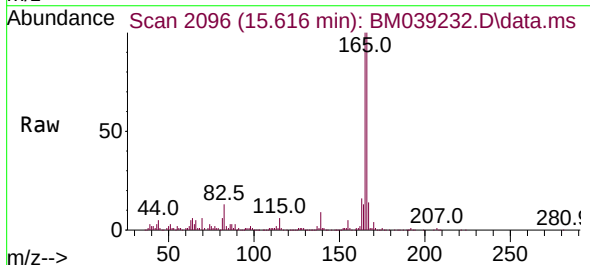
Tgt Ion:152 Resp: 257227
Ion Ratio Lower Upper
152 100
151 19.1 15.7 23.5
153 14.4 10.3 15.5

Manual Integrations
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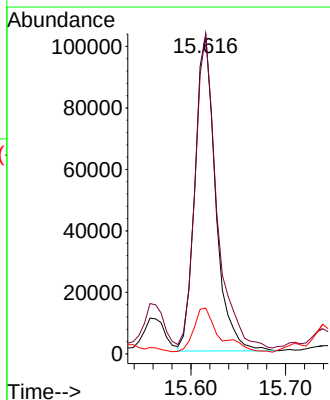
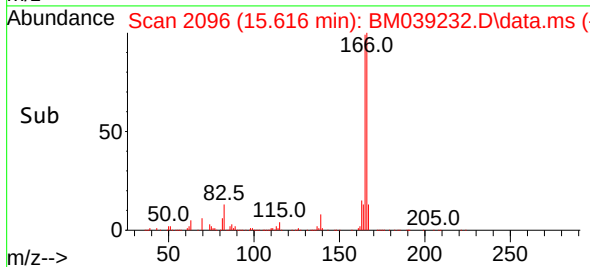
Reviewed By :Christian Giraldo 03/31/2023
Supervised By :Jagrut Upadhyay 03/31/2023

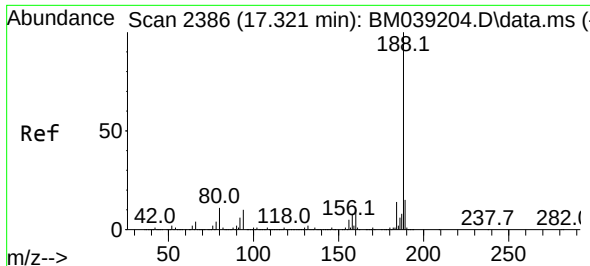


#58
Fluorene
Concen: 3.956 ng
RT: 15.616 min Scan# 2096
Delta R.T. -0.006 min
Lab File: BM039232.D
Acq: 30 Mar 2023 18:32



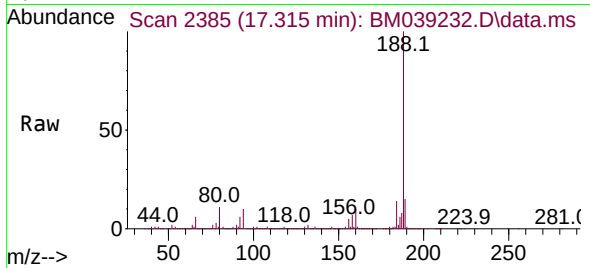
Tgt Ion:166 Resp: 155393
Ion Ratio Lower Upper
166 100
165 100.2 76.9 115.3
167 14.3 10.8 16.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.315 min Scan# 2385
Delta R.T. -0.006 min
Lab File: BM039232.D
Acq: 30 Mar 2023 18:32

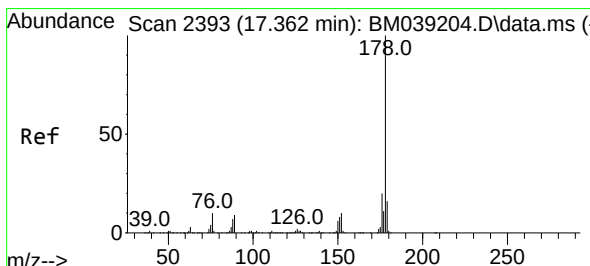
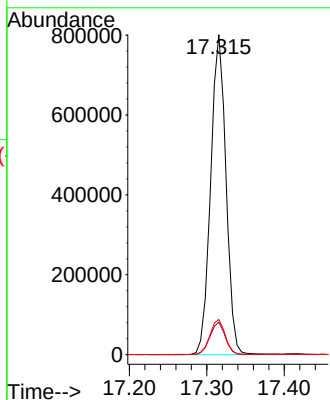
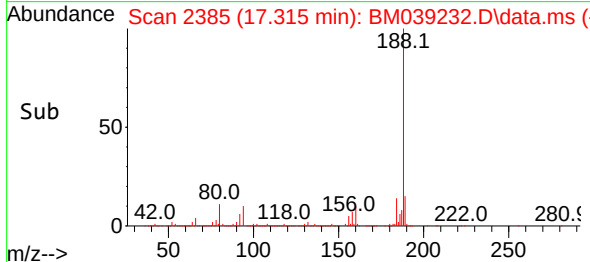
Instrument :
BNA_M
ClientSampleId :
TP-11-TEST-PIT-ON-CENTRAL



Tgt Ion:188 Resp: 109938
Ion Ratio Lower Upper
188 100
94 10.1 8.2 12.4
80 11.0 8.9 13.3

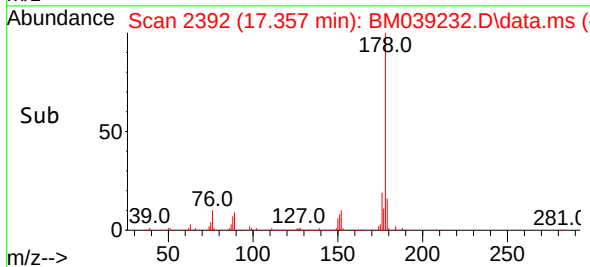
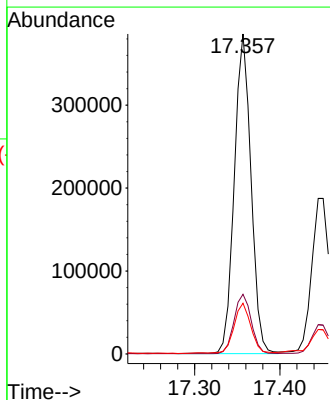
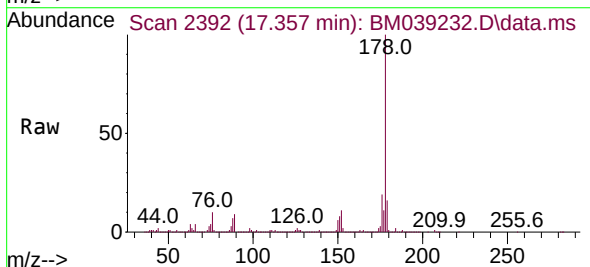
Manual Integrations
APPROVED

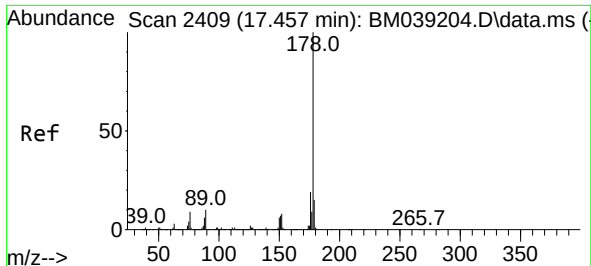
Reviewed By :Christian Giraldo 03/31/2023
Supervised By :Jagrut Upadhyay 03/31/2023



#71
Phenanthrene
Concen: 8.701 ng
RT: 17.357 min Scan# 2392
Delta R.T. -0.006 min
Lab File: BM039232.D
Acq: 30 Mar 2023 18:32

Tgt Ion:178 Resp: 523899
Ion Ratio Lower Upper
178 100
176 18.6 15.7 23.5
179 15.8 12.4 18.6





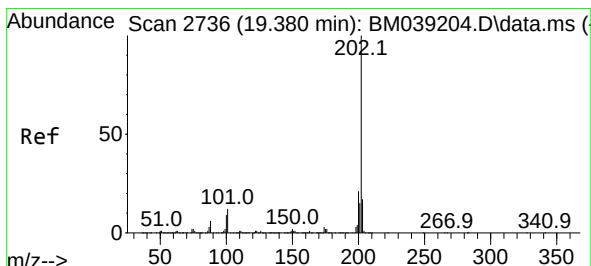
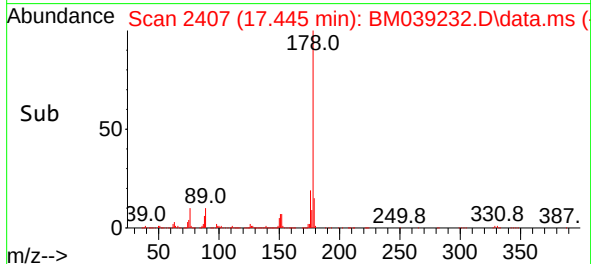
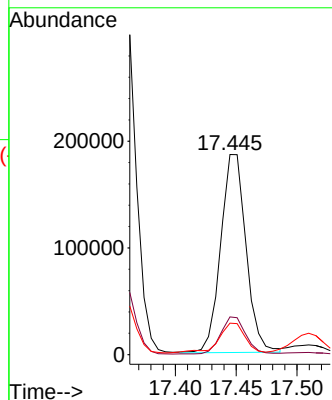
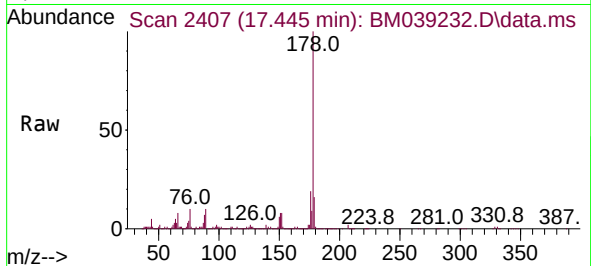
#72
 Anthracene
 Concen: 4.399 ng
 RT: 17.445 min Scan# 2409
 Delta R.T. -0.012 min
 Lab File: BM039232.D
 Acq: 30 Mar 2023 18:32

Instrument :
 BNA_M
 ClientSampleId :
 TP-11-TEST-PIT-ON-CENTRAL

Tgt Ion:178 Resp: 270052
 Ion Ratio Lower Upper
 178 100
 176 18.8 14.9 22.3
 179 15.7 12.2 18.2

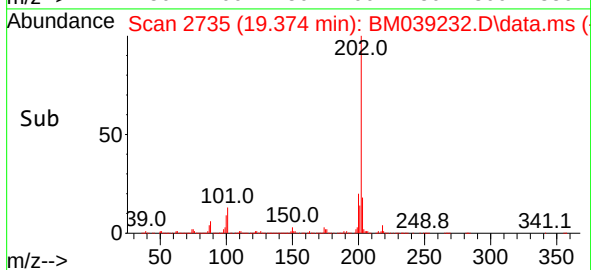
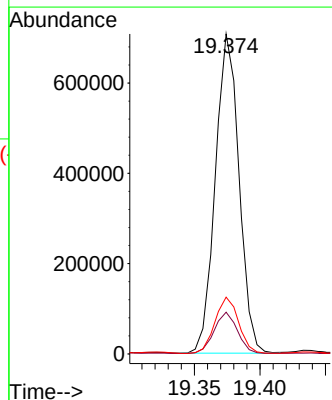
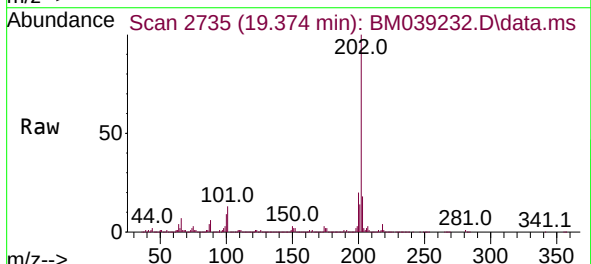
Manual Integrations
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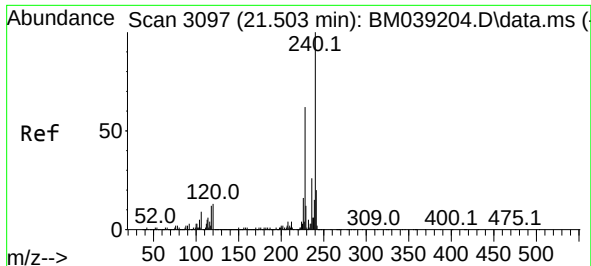
Reviewed By :Christian Giraldo 03/31/2023
 Supervised By :Jagrut Upadhyay 03/31/2023



#75
 Fluoranthene
 Concen: 12.984 ng
 RT: 19.374 min Scan# 2735
 Delta R.T. -0.006 min
 Lab File: BM039232.D
 Acq: 30 Mar 2023 18:32

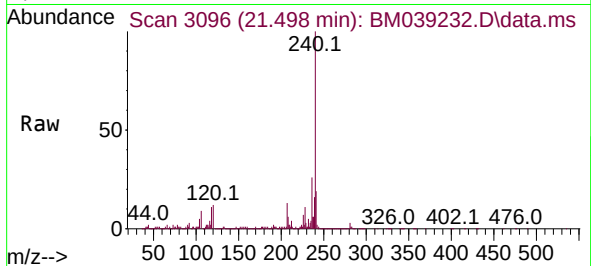
Tgt Ion:202 Resp: 891162
 Ion Ratio Lower Upper
 202 100
 101 13.0 0.0 32.5
 203 17.7 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.498 min Scan# 3097
Delta R.T. -0.006 min
Lab File: BM039232.D
Acq: 30 Mar 2023 18:32

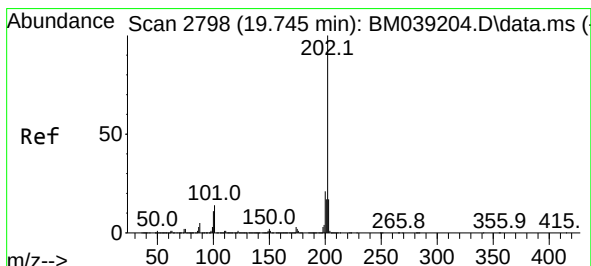
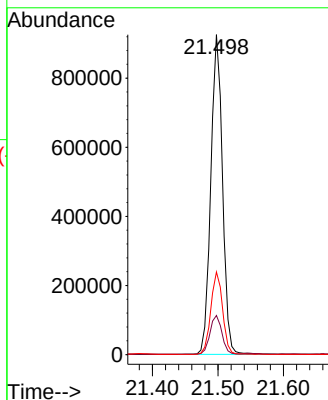
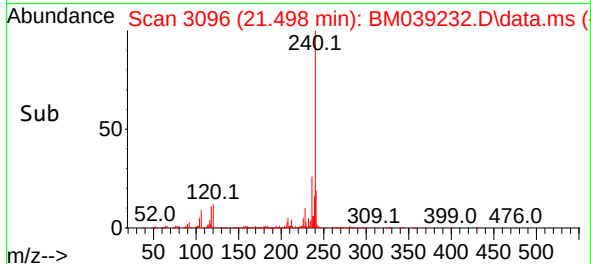
Instrument :
BNA_M
ClientSampleId :
TP-11-TEST-PIT-ON-CENTRAL



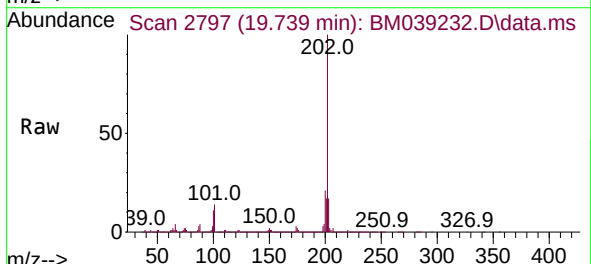
Tgt Ion:240 Resp: 1150460
Ion Ratio Lower Upper
240 100
120 12.3 10.2 15.2
236 25.8 20.9 31.3

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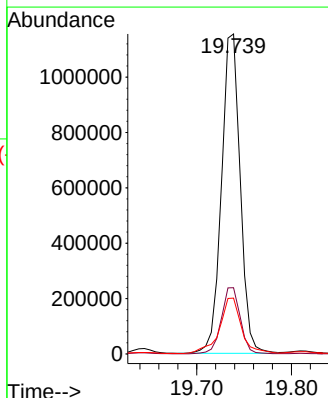
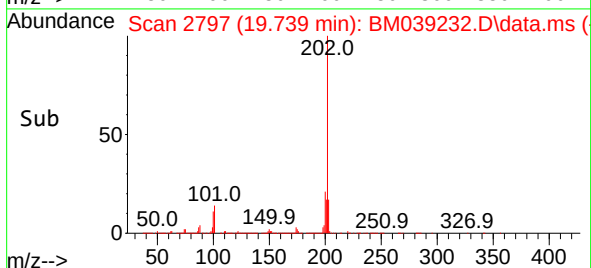
Reviewed By :Christian Giraldo 03/31/2023
Supervised By :Jagrut Upadhyay 03/31/2023

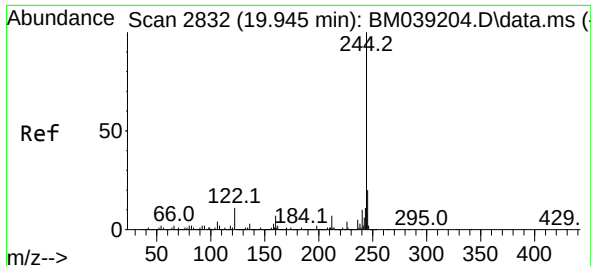


#78
Pyrene
Concen: 19.338 ng
RT: 19.739 min Scan# 2797
Delta R.T. -0.006 min
Lab File: BM039232.D
Acq: 30 Mar 2023 18:32



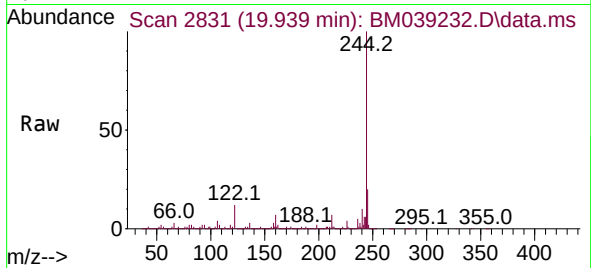
Tgt Ion:202 Resp: 1583831
Ion Ratio Lower Upper
202 100
200 20.7 17.1 25.7
203 17.4 13.9 20.9





#79
Terphenyl-d14
Concen: 67.203 ng
RT: 19.939 min Scan# 2832
Delta R.T. -0.006 min
Lab File: BM039232.D
Acq: 30 Mar 2023 18:32

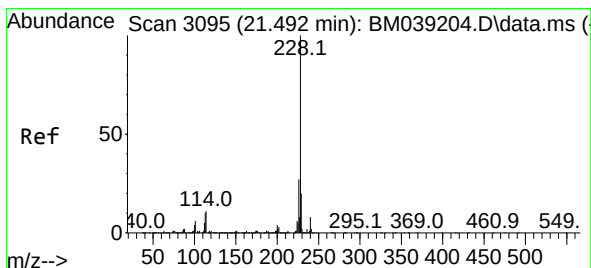
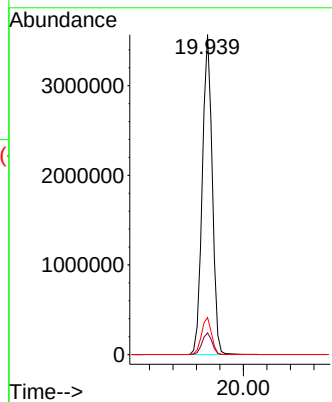
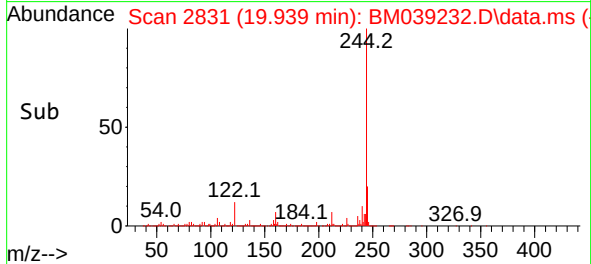
Instrument :
BNA_M
ClientSampleId :
TP-11-TEST-PIT-ON-CENTRAL



Tgt Ion:244 Resp: 4184681
Ion Ratio Lower Upper
244 100
212 6.8 5.6 8.4
122 11.6 9.1 13.7

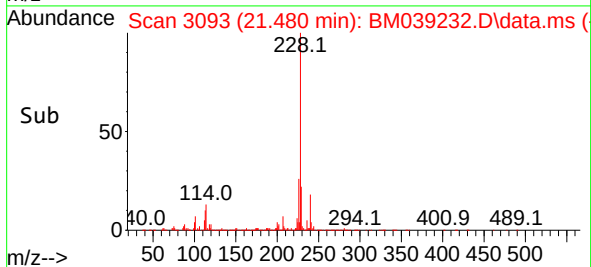
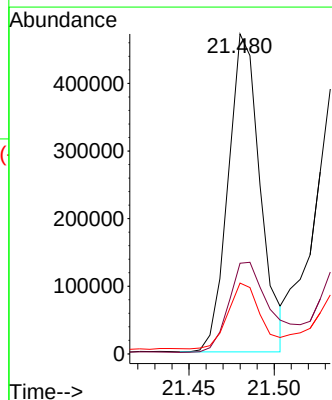
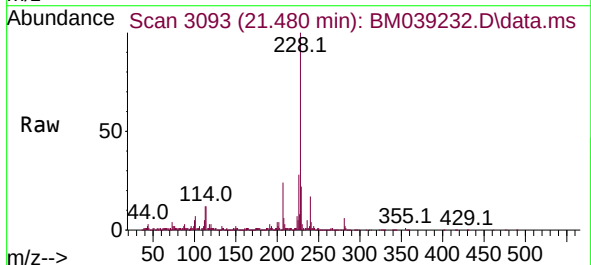
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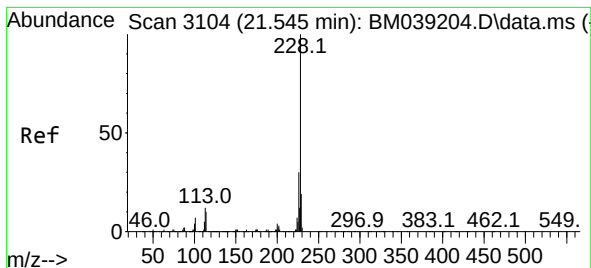
Reviewed By :Christian Giraldo 03/31/2023
Supervised By :Jagrut Upadhyay 03/31/2023



#81
Benzo(a)anthracene
Concen: 7.592 ng
RT: 21.480 min Scan# 3093
Delta R.T. -0.012 min
Lab File: BM039232.D
Acq: 30 Mar 2023 18:32

Tgt Ion:228 Resp: 615975
Ion Ratio Lower Upper
228 100
226 28.3 21.9 32.9
229 22.1 15.8 23.6





#83

Chrysene

Concen: 7.667 ng

RT: 21.533 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM039232.D

Acq: 30 Mar 2023 18:32

Instrument :

BNA_M

ClientSampleId :

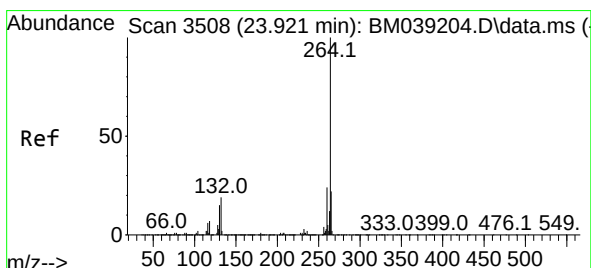
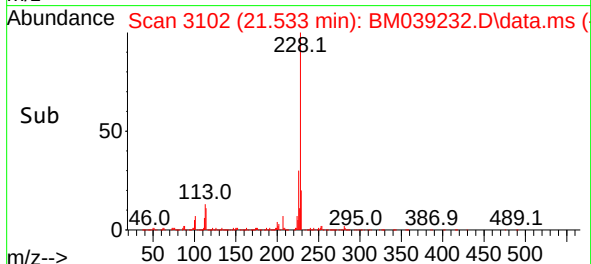
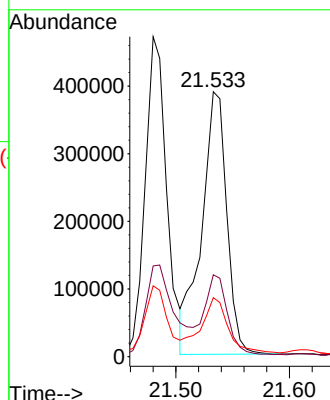
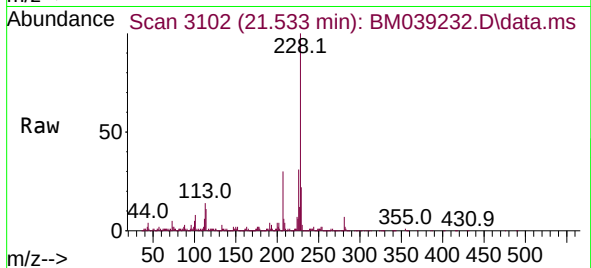
TP-11-TEST-PIT-ON-CENTRAL

Tgt Ion:	228	Resp:	600542
Ion Ratio	Lower	Upper	
228	100		
226	30.9	24.1	36.1
229	22.3	15.5	23.3

Manual Integrations

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Reviewed By :Christian Giraldo 03/31/2023
Supervised By :Jagrut Upadhyay 03/31/2023



#86

Perylene-d12

Concen: 20.000 ng

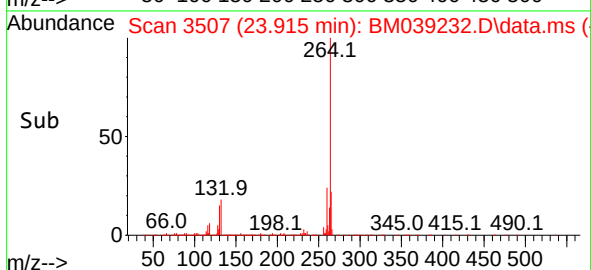
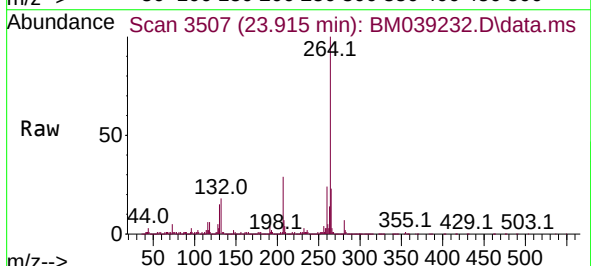
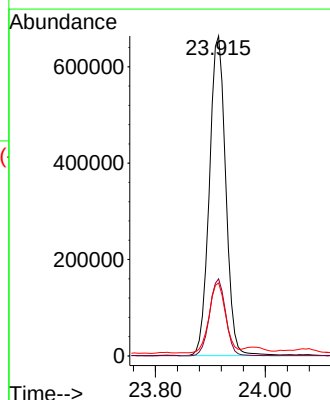
RT: 23.915 min Scan# 3507

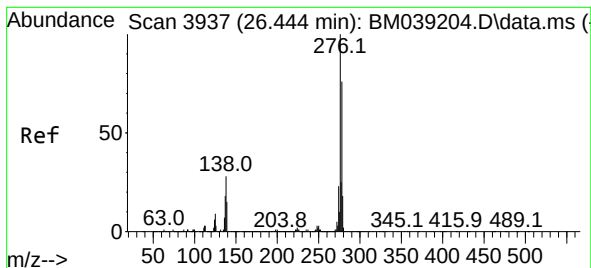
Delta R.T. -0.006 min

Lab File: BM039232.D

Acq: 30 Mar 2023 18:32

Tgt Ion:	264	Resp:	1367799
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.0	28.6
265	22.8	18.1	27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.121 ng

RT: 26.415 min Scan# 3937

Delta R.T. -0.029 min

Lab File: BM039232.D

Acq: 30 Mar 2023 18:32

Instrument :

BNA_M

ClientSampleId :

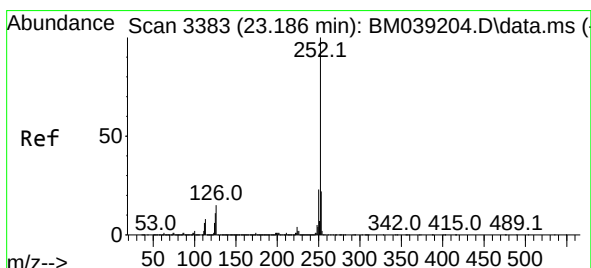
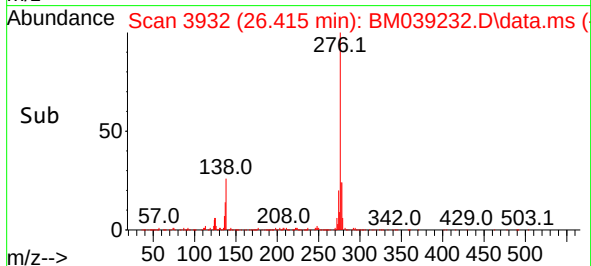
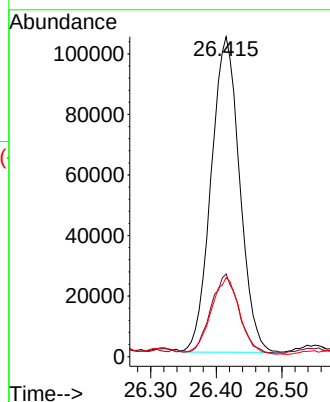
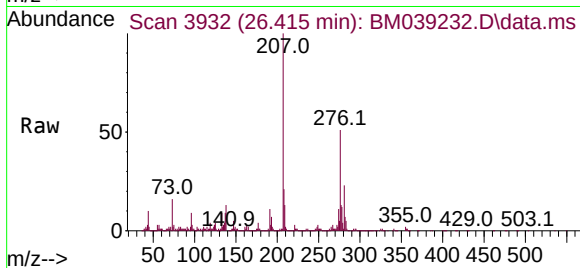
TP-11-TEST-PIT-ON-CENTRAL

Tgt Ion:	276	Resp:	31455
Ion Ratio	Lower	Upper	
276	100		
138	24.5	22.2	33.2
277	24.9	20.2	30.2

Manual Integrations

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Reviewed By :Christian Giraldo 03/31/2023
Supervised By :Jagrut Upadhyay 03/31/2023



#88

Benzo(b)fluoranthene

Concen: 7.458 ng m

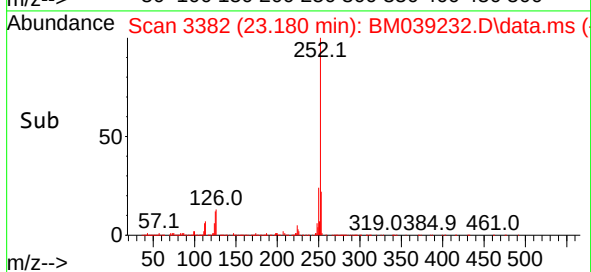
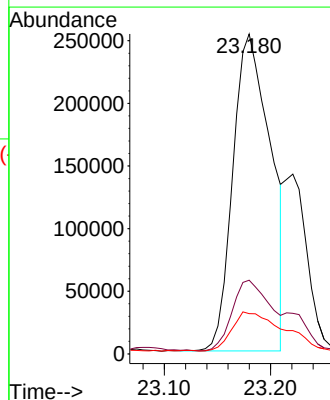
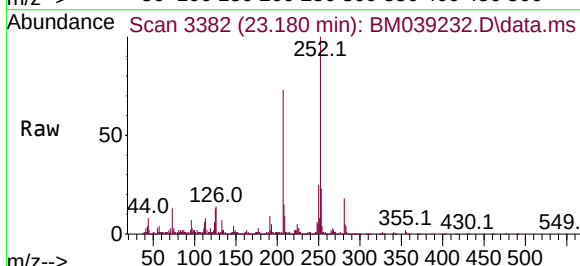
RT: 23.180 min Scan# 3382

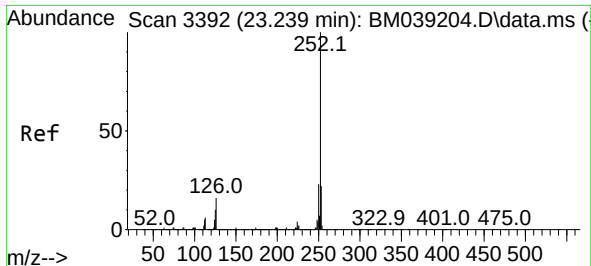
Delta R.T. -0.006 min

Lab File: BM039232.D

Acq: 30 Mar 2023 18:32

Tgt Ion:	252	Resp:	624210
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.6	26.4
125	12.6	9.0	13.6





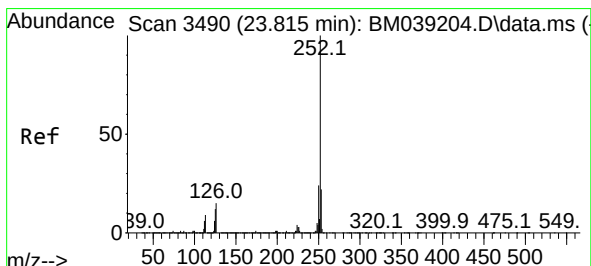
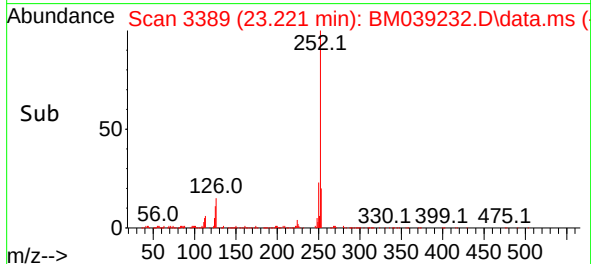
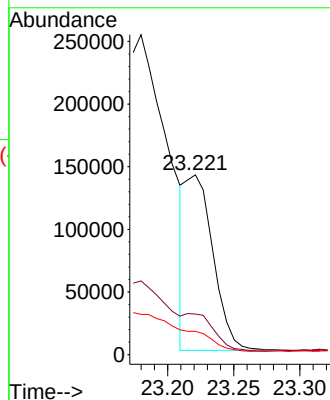
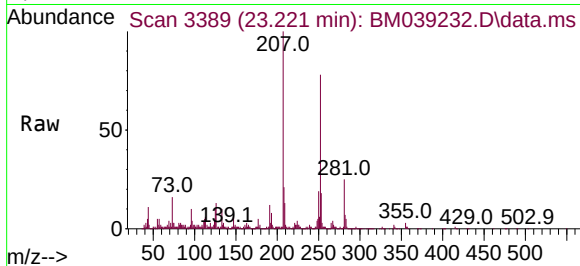
#89
Benzo(k)fluoranthene
Concen: 2.404 ng m
RT: 23.221 min Scan# 3392
Delta R.T. -0.018 min
Lab File: BM039232.D
Acq: 30 Mar 2023 18:32

Instrument :
BNA_M
ClientSampleId :
TP-11-TEST-PIT-ON-CENTRAL

Tgt Ion:252 Resp: 204937
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 12.9 8.5 12.7

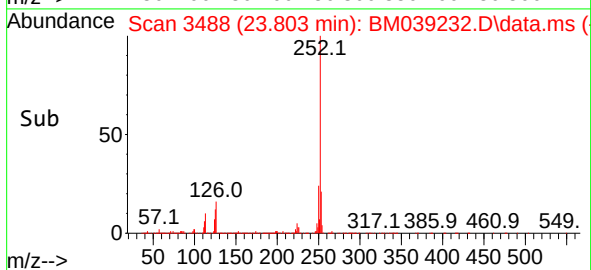
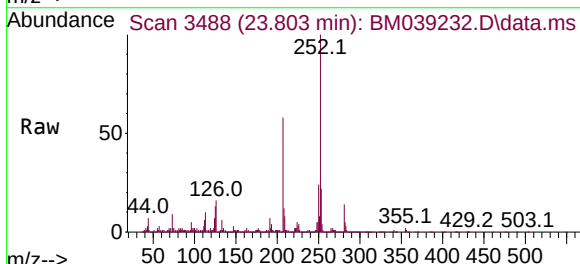
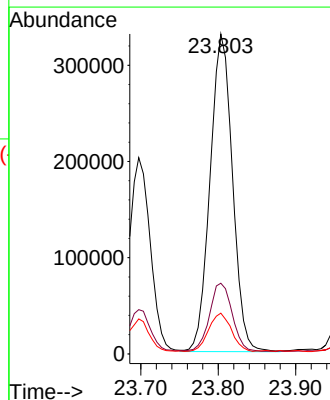
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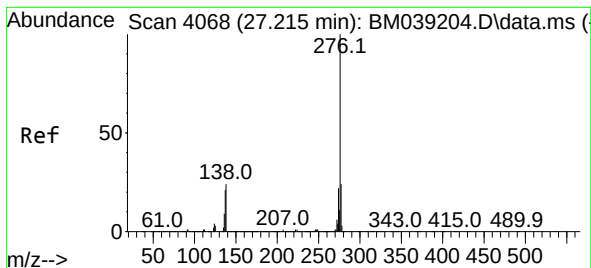
Reviewed By :Christian Giraldo 03/31/2023
Supervised By :Jagrut Upadhyay 03/31/2023



#90
Benzo(a)pyrene
Concen: 8.085 ng
RT: 23.803 min Scan# 3488
Delta R.T. -0.012 min
Lab File: BM039232.D
Acq: 30 Mar 2023 18:32

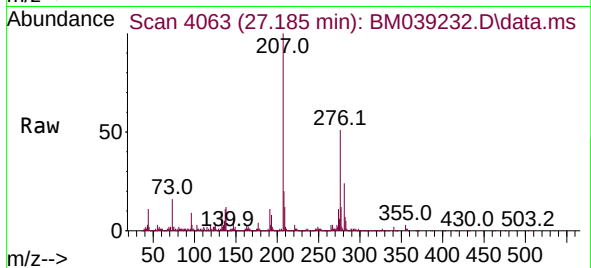
Tgt Ion:252 Resp: 664727
Ion Ratio Lower Upper
252 100
253 22.1 17.6 26.4
125 12.7 9.8 14.6





#92
Benzo(g,h,i)perylene
Concen: 4.224 ng
RT: 27.185 min Scan# 4063
Delta R.T. -0.029 min
Lab File: BM039232.D
Acq: 30 Mar 2023 18:32

Instrument :
BNA_M
ClientSampleId :
TP-11-TEST-PIT-ON-CENTRAL



Tgt Ion: 276 Resp: 351552
Ion Ratio Lower Upper
276 100
277 23.5 19.1 28.7
138 23.8 19.5 29.3

Manual Integrations
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Reviewed By : Christian Giraldo 03/31/2023
Supervised By : Jagrut Upadhyay 03/31/2023

