

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080223\
 Data File : BM041246.D
 Acq On : 02 Aug 2023 15:53
 Operator : MA/JU
 Sample : 03810-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-P7A

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/03/2023
 Supervised By :mohammad ahmed 08/03/2023

Quant Time: Aug 03 03:08:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 02 19:20:51 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.798	152	196989	20.000	ng	0.00
21) Naphthalene-d8	10.604	136	851306	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	567040	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	1236893	20.000	ng	0.00
76) Chrysene-d12	21.427	240	825913	20.000	ng	0.00
86) Perylene-d12	23.797	264	836373	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	847641	64.312	ng	0.00
7) Phenol-d6	6.981	99	1175657	68.814	ng	0.00
23) Nitrobenzene-d5	8.975	82	745393	40.719	ng	0.00
42) 2,4,6-Tribromophenol	15.968	330	579552	72.259	ng	0.00
45) 2-Fluorobiphenyl	13.080	172	1728684	38.512	ng	0.00
79) Terphenyl-d14	19.862	244	2405418	52.658	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	19.292	202	271196	3.513	ng	99
78) Pyrene	19.656	202	427844	7.408	ng	99
81) Benzo(a)anthracene	21.409	228	210215	3.754	ng	98
83) Chrysene	21.462	228	210566	3.888	ng	98
84) Bis(2-ethylhexyl)phtha...	21.333	149	30507	3.402	ng	# 93
88) Benzo(b)fluoranthene	23.080	252	198032m	3.986	ng	
90) Benzo(a)pyrene	23.691	252	172266	3.608	ng	98
92) Benzo(g,h,i)perylene	27.003	276	120568	2.402	ng	96

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

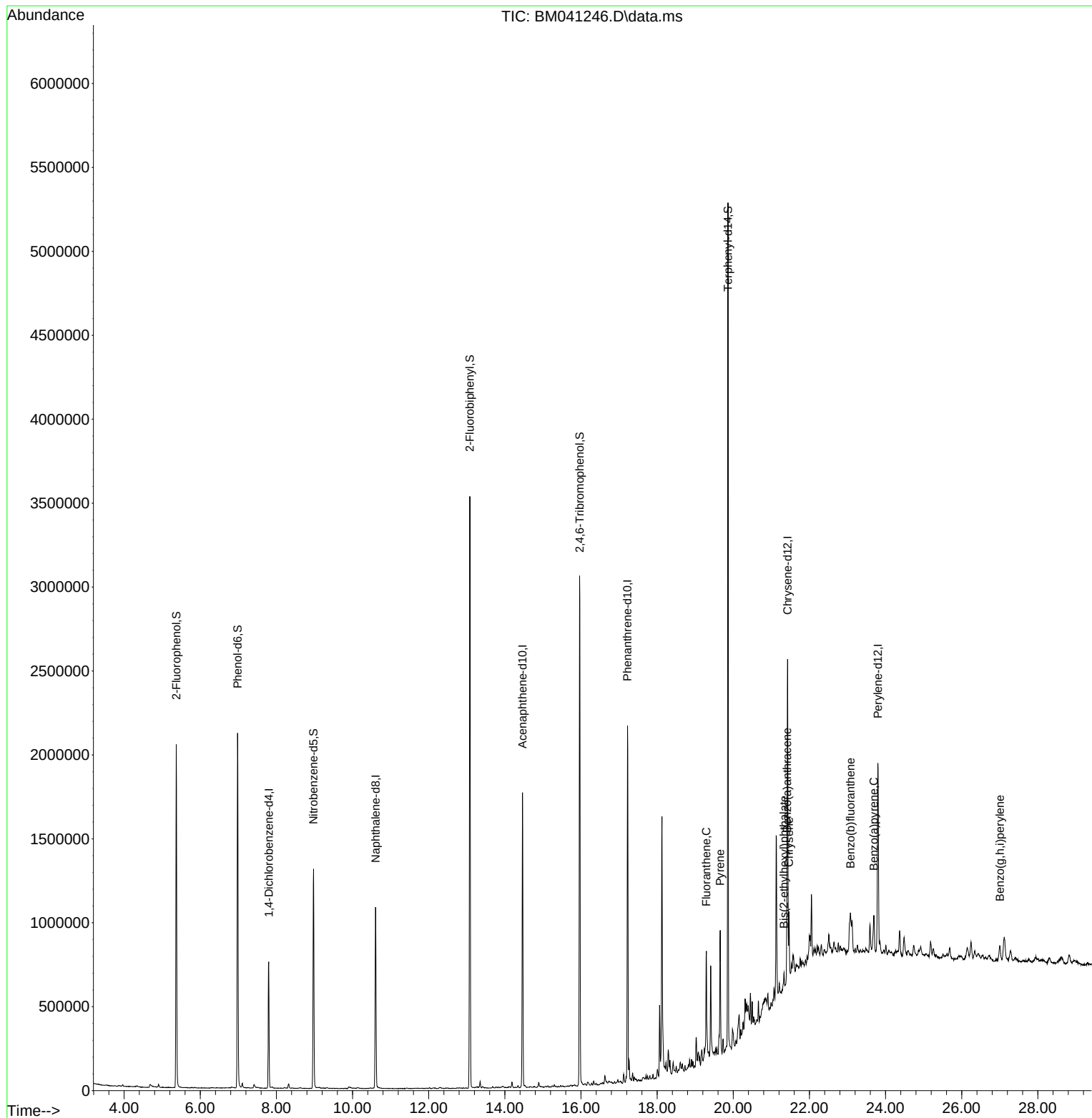
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080223\
Data File : BM041246.D
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ALS Vial : 13 Sample Multiplier: 1

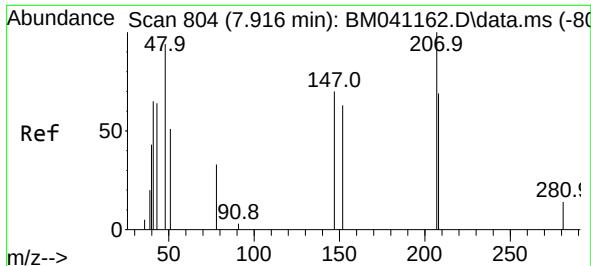
Instrument :
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Quant Time: Aug 03 03:08:13 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
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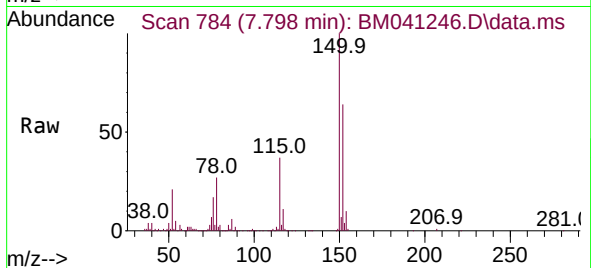
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.798 min Scan# 71
Delta R.T. 0.005 min
Lab File: BM041246.D
Acq: 02 Aug 2023 15:53

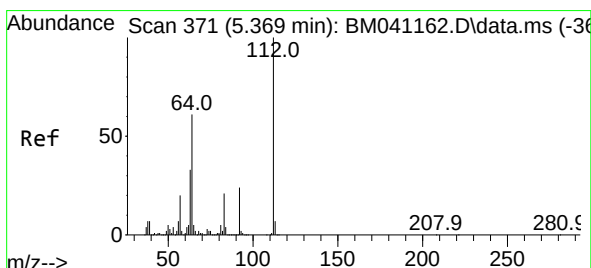
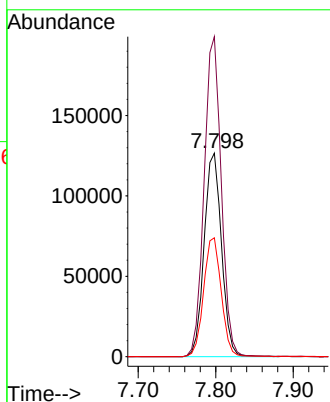
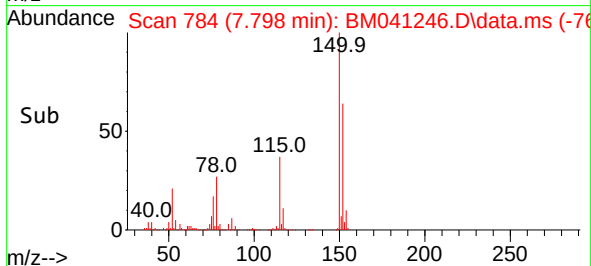
Instrument :
BNA_M
ClientSampleId :
B-P7A



Tgt Ion:152 Resp: 196989
Ion Ratio Lower Upper
152 100
150 157.2 125.5 188.3
115 58.4 48.0 72.0

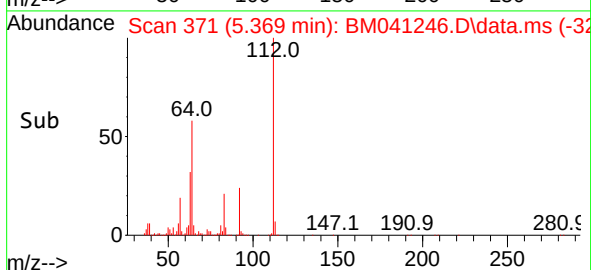
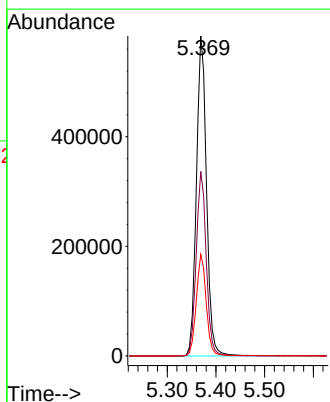
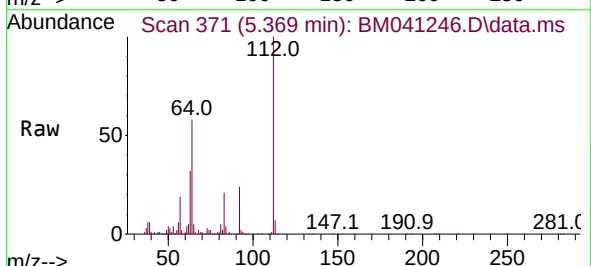
Manual Integrations
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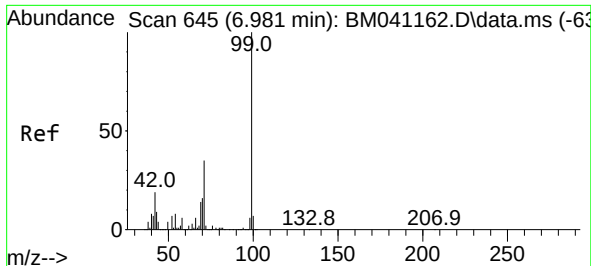
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#5
2-Fluorophenol
Concen: 64.312 ng
RT: 5.369 min Scan# 371
Delta R.T. -0.000 min
Lab File: BM041246.D
Acq: 02 Aug 2023 15:53

Tgt Ion:112 Resp: 847641
Ion Ratio Lower Upper
112 100
64 57.6 48.5 72.7
63 31.8 26.5 39.7





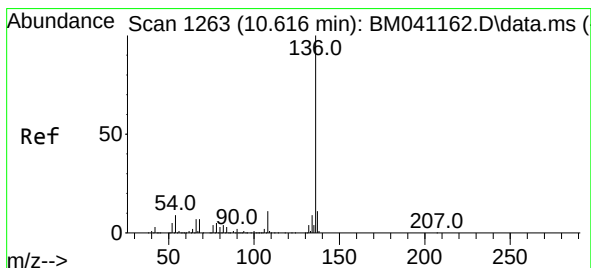
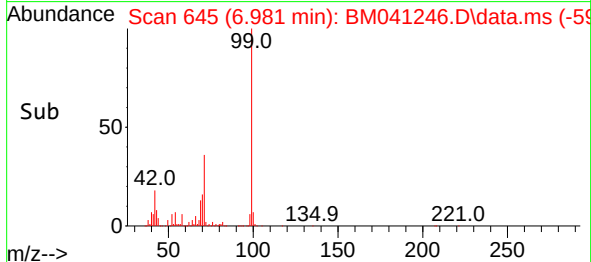
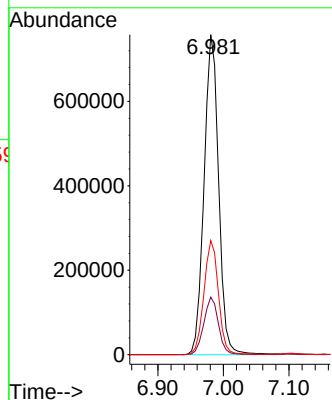
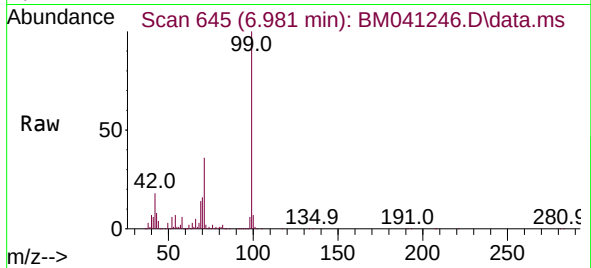
#7
Phenol-d6
Concen: 68.814 ng
RT: 6.981 min Scan# 645
Delta R.T. -0.000 min
Lab File: BM041246.D
Acq: 02 Aug 2023 15:53

Instrument :
BNA_M
ClientSampleId :
B-P7A

Tgt Ion: 99 Resp: 117565
Ion Ratio Lower Upper
99 100
42 18.0 15.4 23.0
71 35.7 28.2 42.4

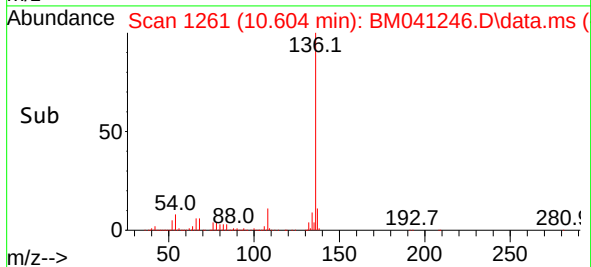
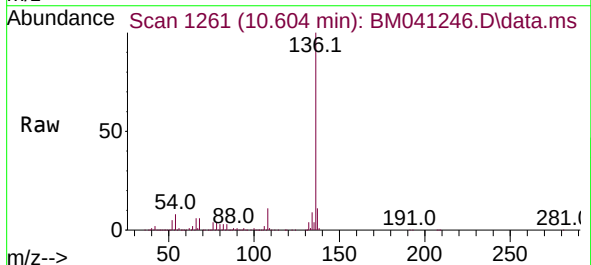
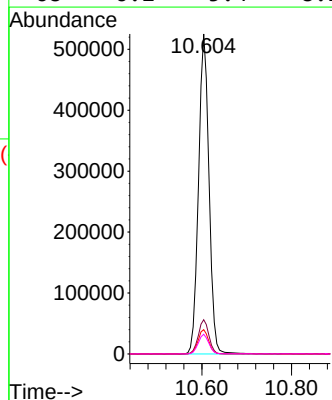
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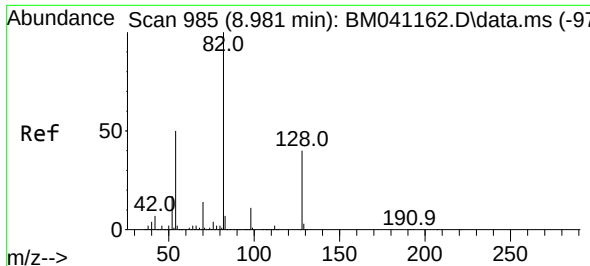
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 1261
Delta R.T. -0.000 min
Lab File: BM041246.D
Acq: 02 Aug 2023 15:53

Tgt Ion:136 Resp: 851306
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 7.6 6.9 10.3
68 6.2 5.4 8.2





#23

Nitrobenzene-d5

Concen: 40.719 ng

RT: 8.975 min Scan# 91

Delta R.T. -0.000 min

Lab File: BM041246.D

Acq: 02 Aug 2023 15:53

Instrument :

BNA_M

ClientSampleId :

B-P7A

Tgt Ion: 82 Resp: 74539

Ion Ratio Lower Upper

82 100

128 42.5 31.8 47.6

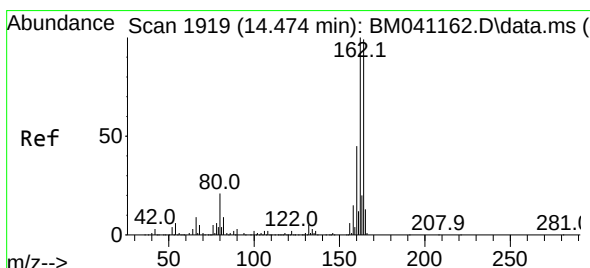
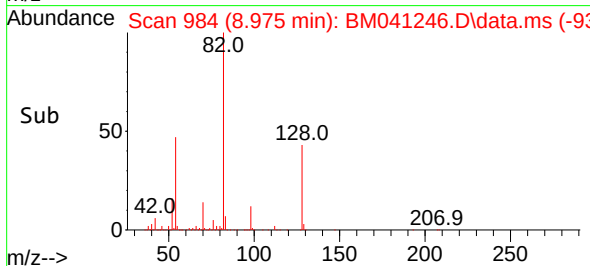
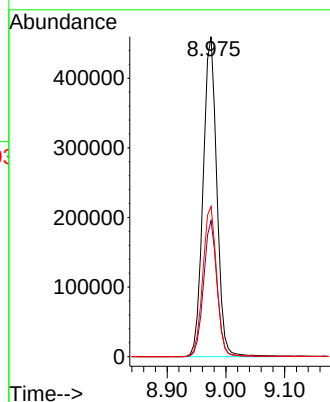
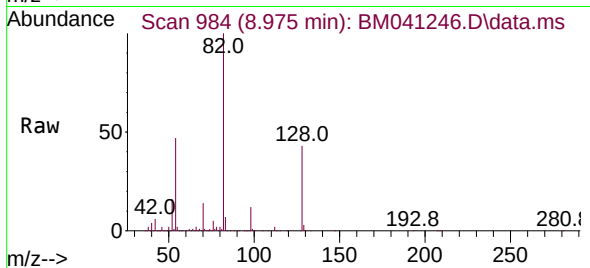
54 47.0 40.1 60.1

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.463 min Scan# 1917

Delta R.T. -0.000 min

Lab File: BM041246.D

Acq: 02 Aug 2023 15:53

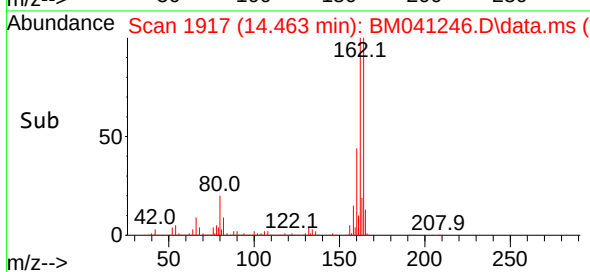
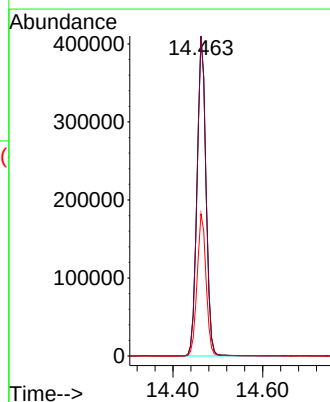
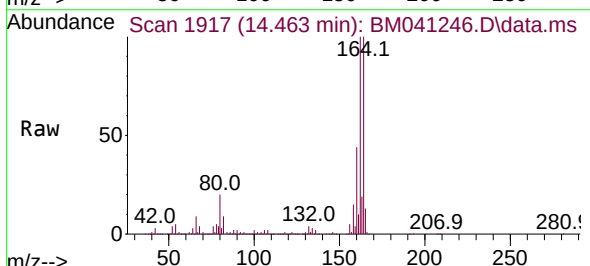
Tgt Ion:164 Resp: 567040

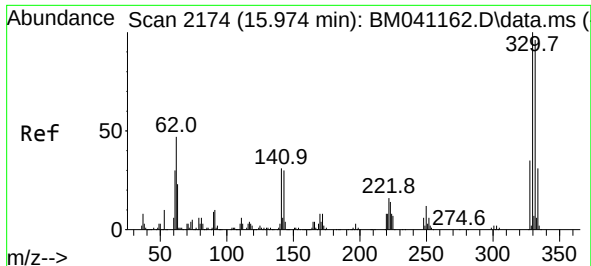
Ion Ratio Lower Upper

164 100

162 100.1 80.4 120.6

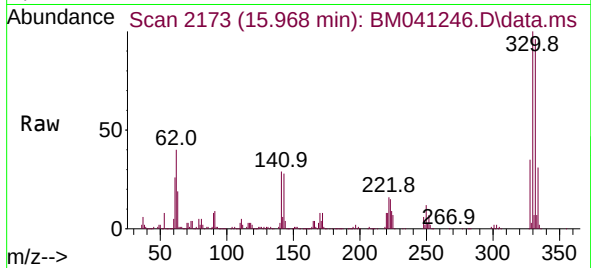
160 44.4 36.2 54.2





#42
2,4,6-Tribromophenol
Concen: 72.259 ng
RT: 15.968 min Scan# 2173
Delta R.T. -0.000 min
Lab File: BM041246.D
Acq: 02 Aug 2023 15:53

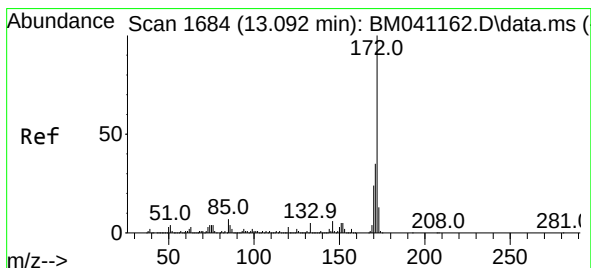
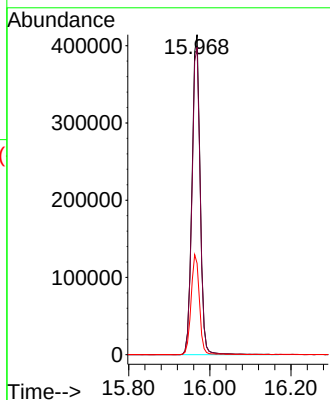
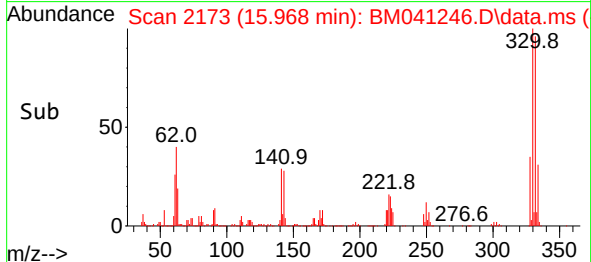
Instrument :
BNA_M
ClientSampleId :
B-P7A



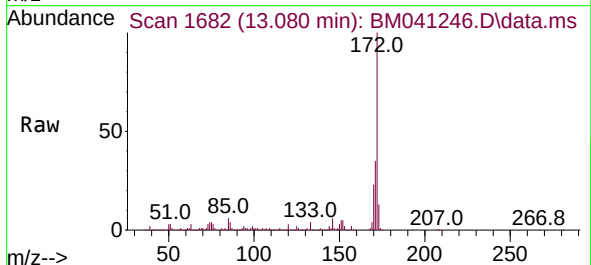
Tgt Ion:330 Resp: 579552
Ion Ratio Lower Upper
330 100
332 96.5 77.7 116.5
141 31.9 28.3 42.5

Manual Integrations
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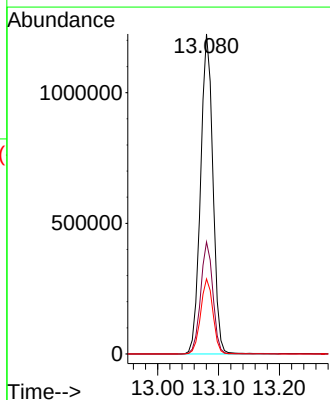
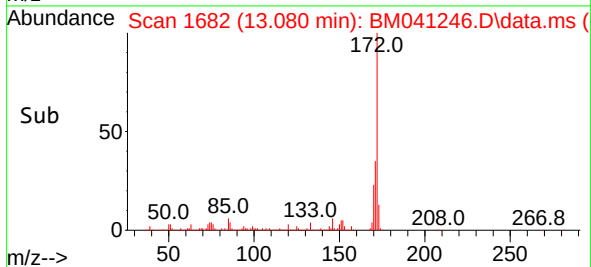
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

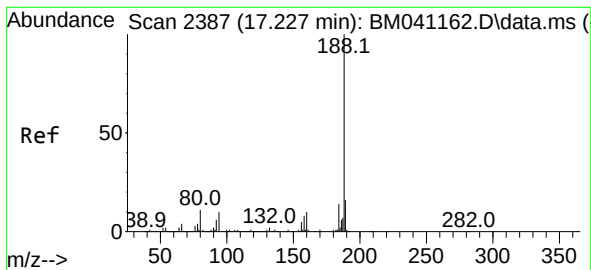


#45
2-Fluorobiphenyl
Concen: 38.512 ng
RT: 13.080 min Scan# 1682
Delta R.T. -0.000 min
Lab File: BM041246.D
Acq: 02 Aug 2023 15:53



Tgt Ion:172 Resp: 1728684
Ion Ratio Lower Upper
172 100
171 35.0 28.1 42.1
170 23.4 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.221 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM041246.D

Acq: 02 Aug 2023 15:53

Instrument :

BNA_M

ClientSampleId :

B-P7A

Tgt Ion:188 Resp: 123689

Ion Ratio Lower Upper

188 100

94 8.9 8.2 12.2

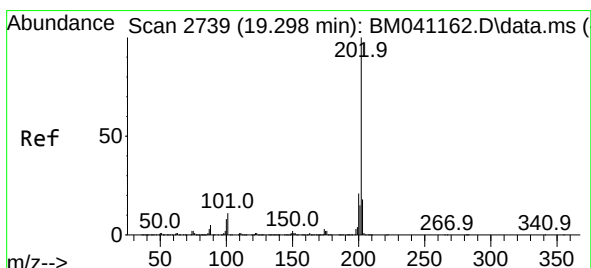
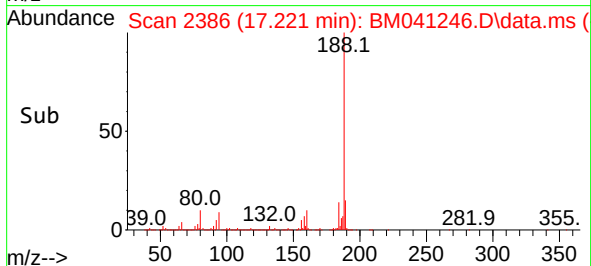
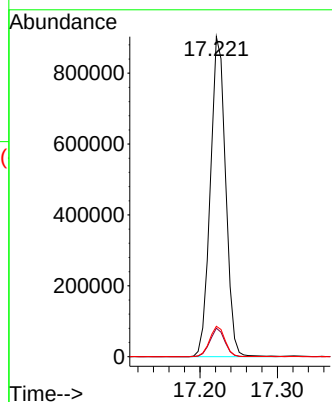
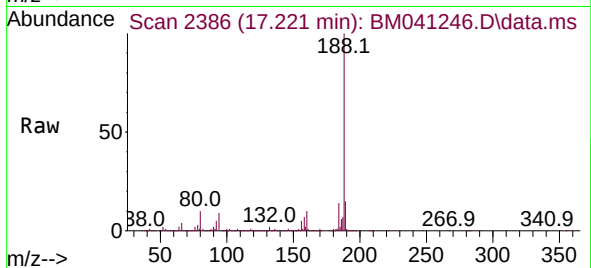
80 9.5 8.6 13.0

Manual Integrations

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Reviewed By :Yogesh Patel 08/03/2023

Supervised By :mohammad ahmed 08/03/2023



#75

Fluoranthene

Concen: 3.513 ng

RT: 19.292 min Scan# 2738

Delta R.T. -0.000 min

Lab File: BM041246.D

Acq: 02 Aug 2023 15:53

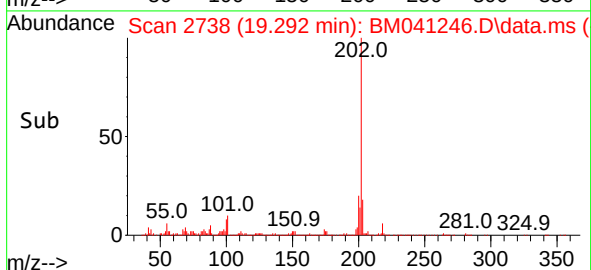
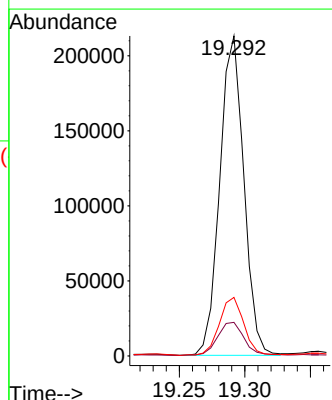
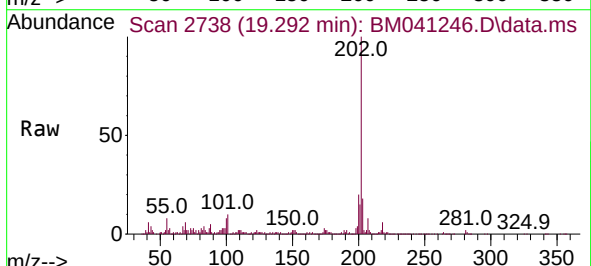
Tgt Ion:202 Resp: 271196

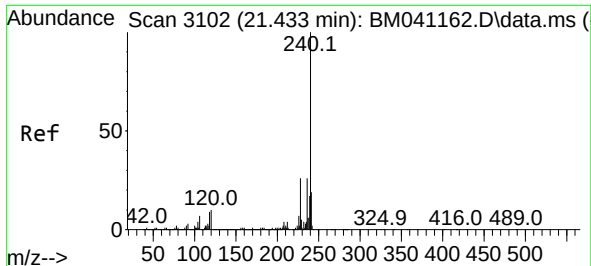
Ion Ratio Lower Upper

202 100

101 10.5 0.0 30.8

203 18.3 0.0 37.6





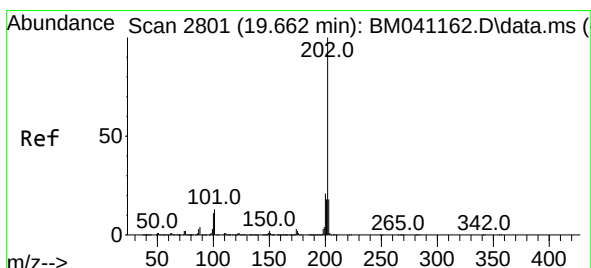
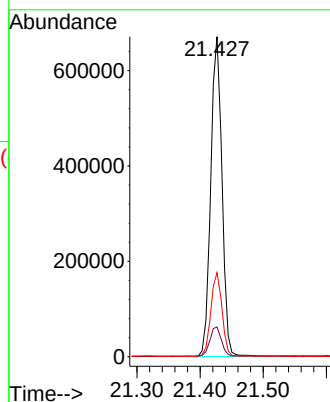
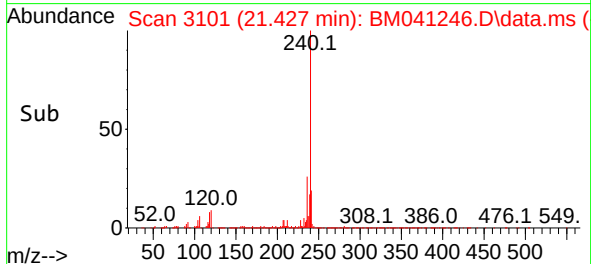
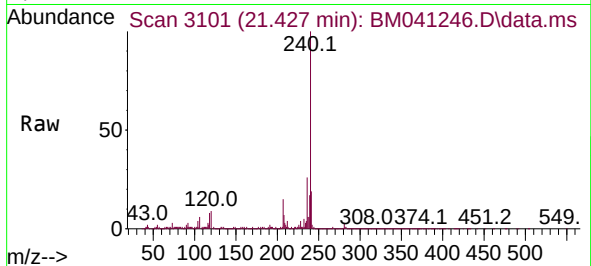
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.427 min Scan# 3102
Delta R.T. -0.006 min
Lab File: BM041246.D
Acq: 02 Aug 2023 15:53

Instrument :
BNA_M
ClientSampleId :
B-P7A

Tgt Ion:240 Resp: 82591
Ion Ratio Lower Upper
240 100
120 9.3 8.3 12.5
236 26.3 20.6 30.8

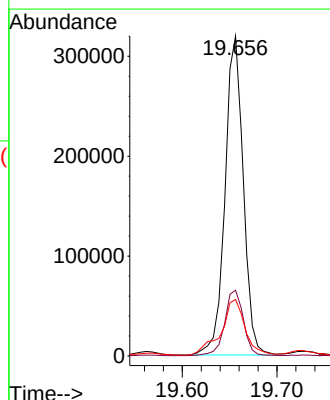
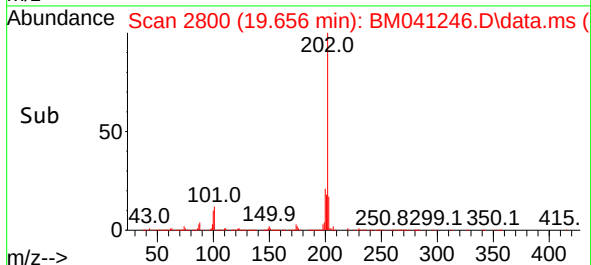
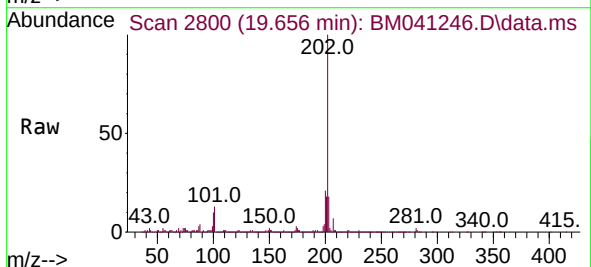
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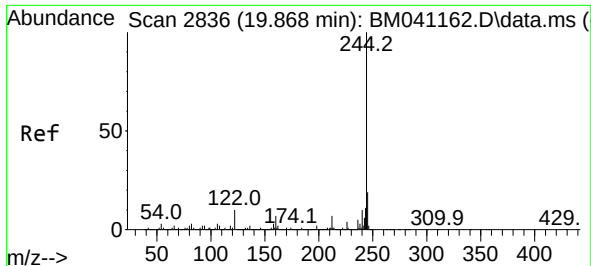
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#78
Pyrene
Concen: 7.408 ng
RT: 19.656 min Scan# 2800
Delta R.T. -0.000 min
Lab File: BM041246.D
Acq: 02 Aug 2023 15:53

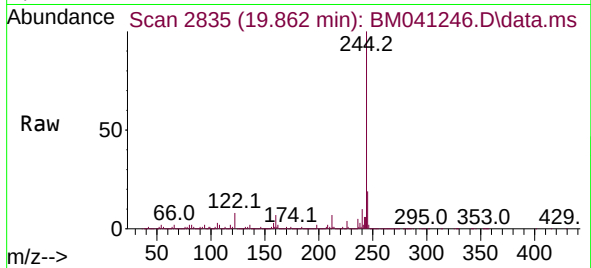
Tgt Ion:202 Resp: 427844
Ion Ratio Lower Upper
202 100
200 20.6 16.9 25.3
203 17.6 14.1 21.1





#79
 Terphenyl-d14
 Concen: 52.658 ng
 RT: 19.862 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BM041246.D
 Acq: 02 Aug 2023 15:53

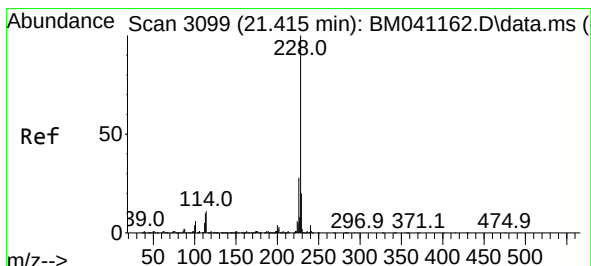
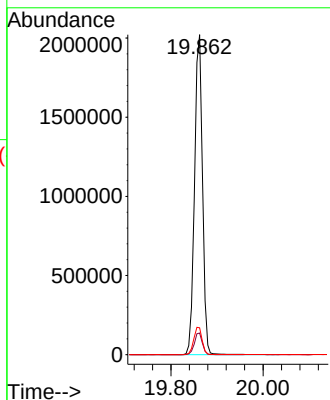
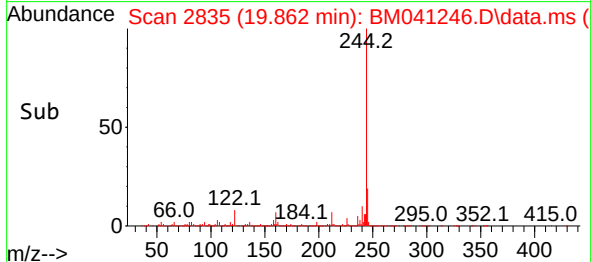
Instrument :
 BNA_M
 ClientSampleId :
 B-P7A



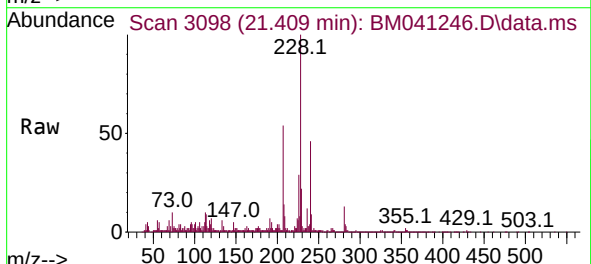
Tgt Ion:244 Resp: 2405418
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.2
 122 8.4 7.8 11.6

Manual Integrations
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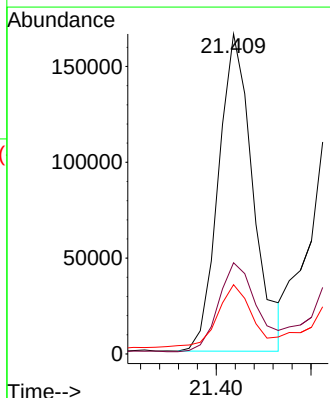
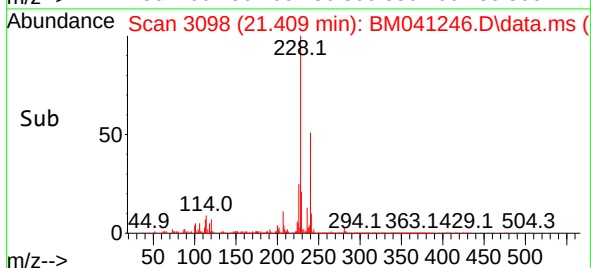
Reviewed By :Yogesh Patel 08/03/2023
 Supervised By :mohammad ahmed 08/03/2023

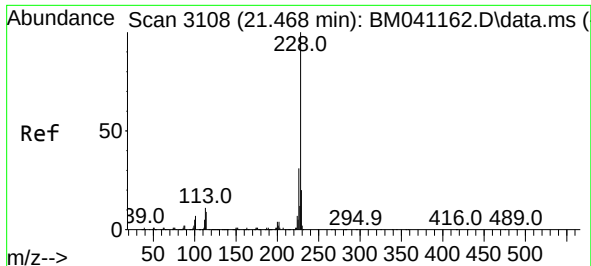


#81
 Benzo(a)anthracene
 Concen: 3.754 ng
 RT: 21.409 min Scan# 3098
 Delta R.T. -0.006 min
 Lab File: BM041246.D
 Acq: 02 Aug 2023 15:53



Tgt Ion:228 Resp: 210215
 Ion Ratio Lower Upper
 228 100
 226 28.5 22.4 33.6
 229 21.6 15.8 23.8





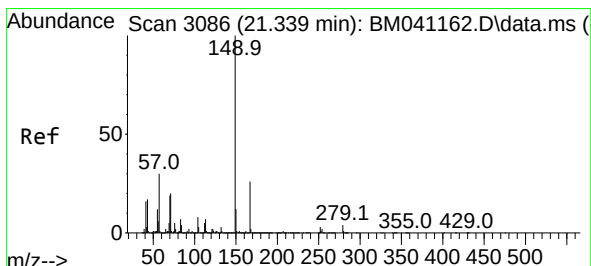
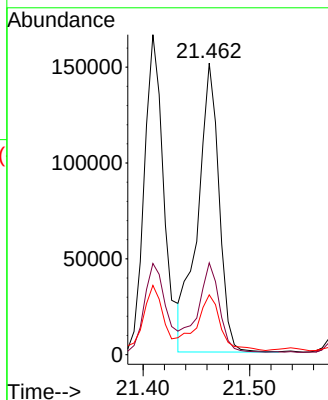
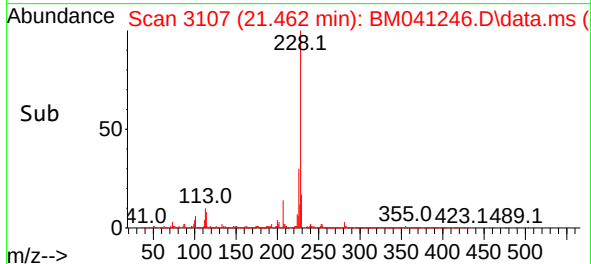
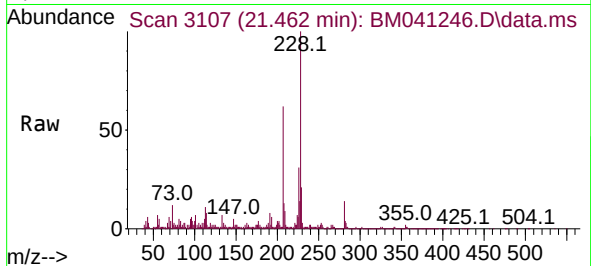
#83
Chrysene
Concen: 3.888 ng
RT: 21.462 min Scan# 3108
Delta R.T. -0.006 min
Lab File: BM041246.D
Acq: 02 Aug 2023 15:53

Instrument :
BNA_M
ClientSampleId :
B-P7A

Tgt Ion:228 Resp: 210560
Ion Ratio Lower Upper
228 100
226 31.5 24.5 36.7
229 20.6 15.8 23.8

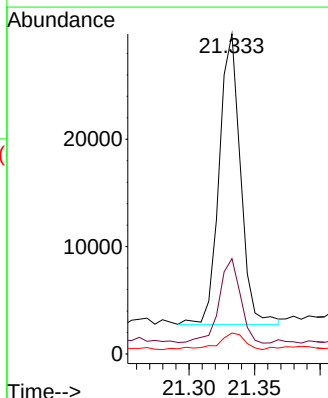
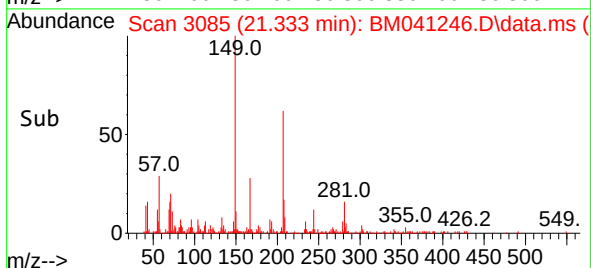
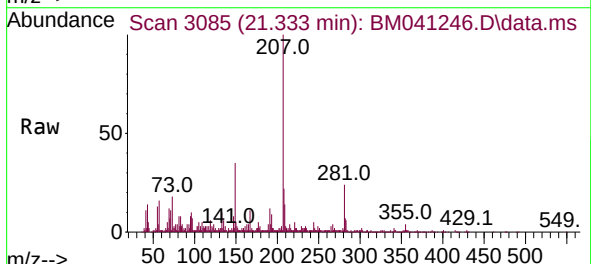
Manual Integrations
APPROVED

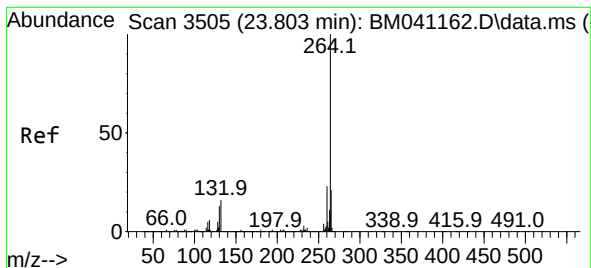
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.402 ng
RT: 21.333 min Scan# 3085
Delta R.T. -0.000 min
Lab File: BM041246.D
Acq: 02 Aug 2023 15:53

Tgt Ion:149 Resp: 30507
Ion Ratio Lower Upper
149 100
167 29.8 21.0 31.6
279 6.5 3.1 4.7#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.797 min Scan# 3505

Delta R.T. -0.006 min

Lab File: BM041246.D

Acq: 02 Aug 2023 15:53

Instrument :

BNA_M

ClientSampleId :

B-P7A

Tgt Ion:264 Resp: 83637

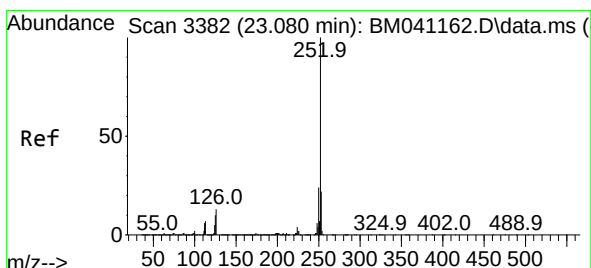
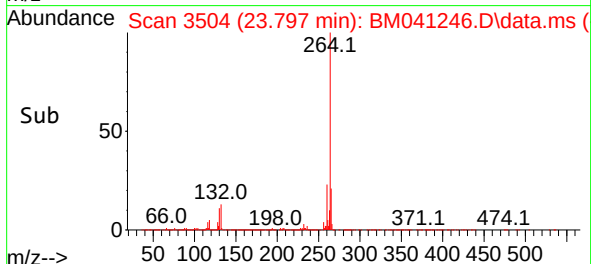
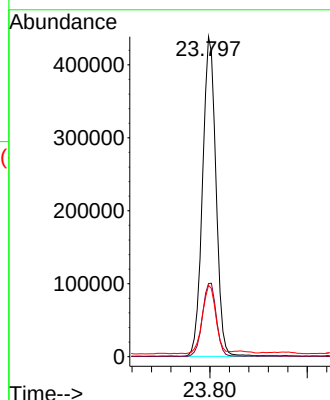
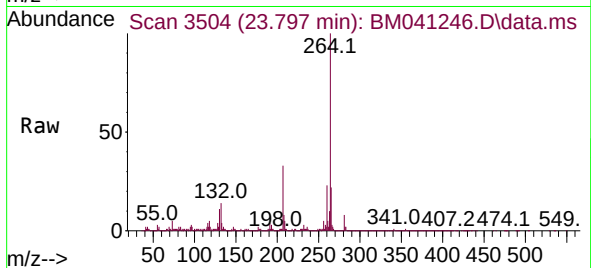
Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.5	27.7
265	22.3	17.4	26.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/03/2023

Supervised By :mohammad ahmed 08/03/2023



#88

Benzo(b)fluoranthene

Concen: 3.986 ng m

RT: 23.080 min Scan# 3382

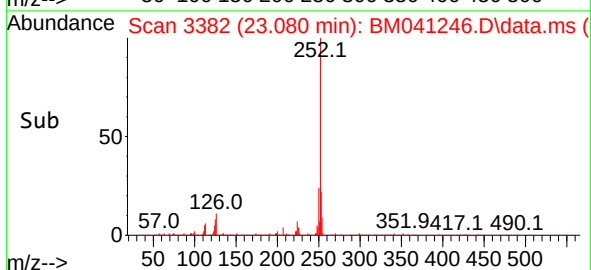
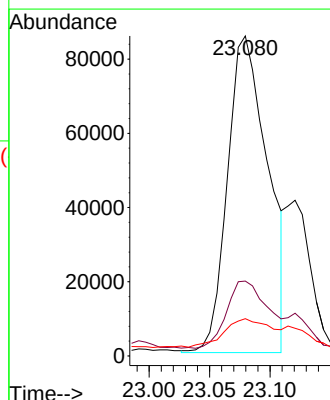
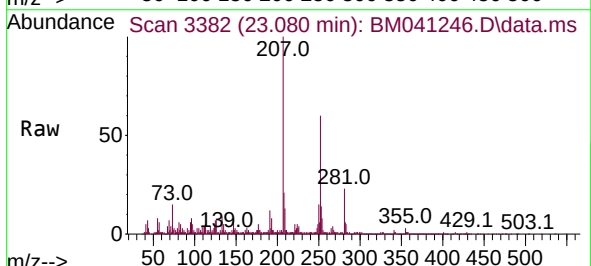
Delta R.T. -0.006 min

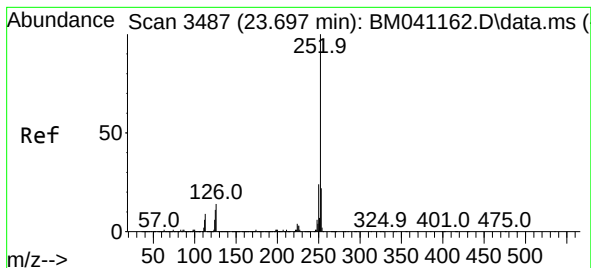
Lab File: BM041246.D

Acq: 02 Aug 2023 15:53

Tgt Ion:252 Resp: 198032

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.7	26.5
125	11.7	8.2	12.4





#90

Benzo(a)pyrene

Concen: 3.608 ng

RT: 23.691 min Scan# 34

Delta R.T. -0.006 min

Lab File: BM041246.D

Acq: 02 Aug 2023 15:53

Instrument :

BNA_M

ClientSampleId :

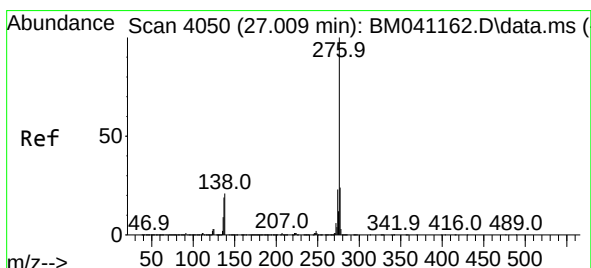
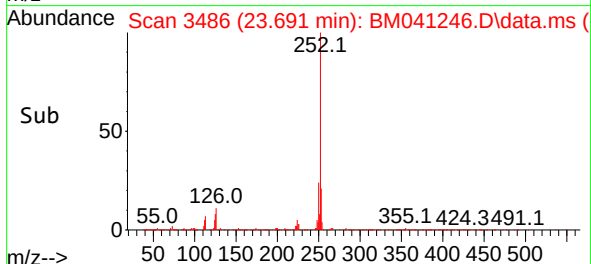
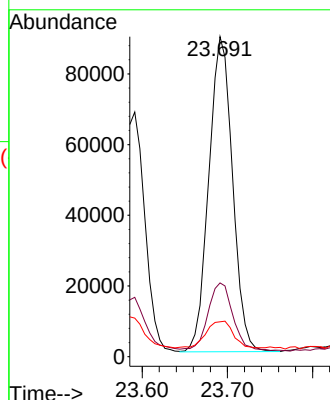
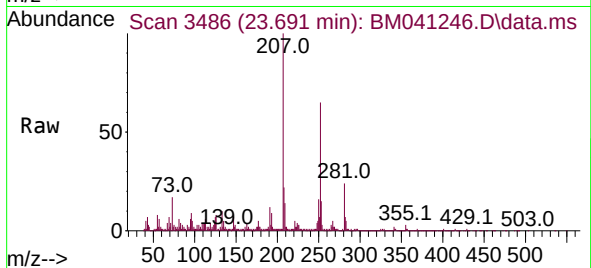
B-P7A

Tgt Ion:	252	Resp:	172260
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.3	25.9
125	10.9	9.0	13.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#92

Benzo(g,h,i)perylene

Concen: 2.402 ng

RT: 27.003 min Scan# 4049

Delta R.T. -0.012 min

Lab File: BM041246.D

Acq: 02 Aug 2023 15:53

Tgt Ion:	276	Resp:	120568
Ion Ratio	Lower	Upper	
276	100		
277	26.1	19.1	28.7
138	19.3	17.1	25.7

