

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082324\
 Data File : BM047340.D
 Acq On : 23 Aug 2024 19:27
 Operator : RC/JU
 Sample : P3703-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OR-03-8-21-2024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/24/2024
 Supervised By :mohammad ahmed 08/24/2024

Quant Time: Aug 24 00:41:56 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Aug 11 23:47:58 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.351	152	158832	20.000	ng	-0.02
21) Naphthalene-d8	10.104	136	579423	20.000	ng	-0.03
39) Acenaphthene-d10	14.010	164	360726	20.000	ng	-0.02
64) Phenanthrene-d10	16.774	188	672467	20.000	ng	-0.02
76) Chrysene-d12	21.015	240	457243	20.000	ng	-0.02
86) Perylene-d12	23.709	264	514316	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.010	112	571429	64.285	ng	-0.01
7) Phenol-d6	6.569	99	720982	58.864	ng	-0.02
23) Nitrobenzene-d5	8.498	82	459906	39.967	ng	-0.02
42) 2,4,6-Tribromophenol	15.521	330	275857	65.952	ng	-0.02
45) 2-Fluorobiphenyl	12.616	172	1035395	44.275	ng	-0.03
79) Terphenyl-d14	19.445	244	1162401	54.473	ng	-0.02
Target Compounds						Qvalue
49) Acenaphthylene	13.727	152	179223	6.058	ng	98
58) Fluorene	15.074	166	56060	2.292	ng	# 97
71) Phenanthrene	16.815	178	596898	17.687	ng	100
72) Anthracene	16.909	178	194502	5.923	ng	99
75) Fluoranthene	18.856	202	885010	21.560	ng	99
78) Pyrene	19.221	202	971933	29.770	ng	99
81) Benzo(a)anthracene	20.997	228	413309	13.616	ng	94
83) Chrysene	21.056	228	397433	13.800	ng	97
87) Indeno(1,2,3-cd)pyrene	26.697	276	188902	5.682	ng	96
88) Benzo(b)fluoranthene	22.868	252	385314	12.615	ng	96
89) Benzo(k)fluoranthene	22.921	252	149138m	5.170	ng	
90) Benzo(a)pyrene	23.580	252	322579	12.192	ng	# 95
92) Benzo(g,h,i)perylene	27.632	276	206424	7.390	ng	98

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

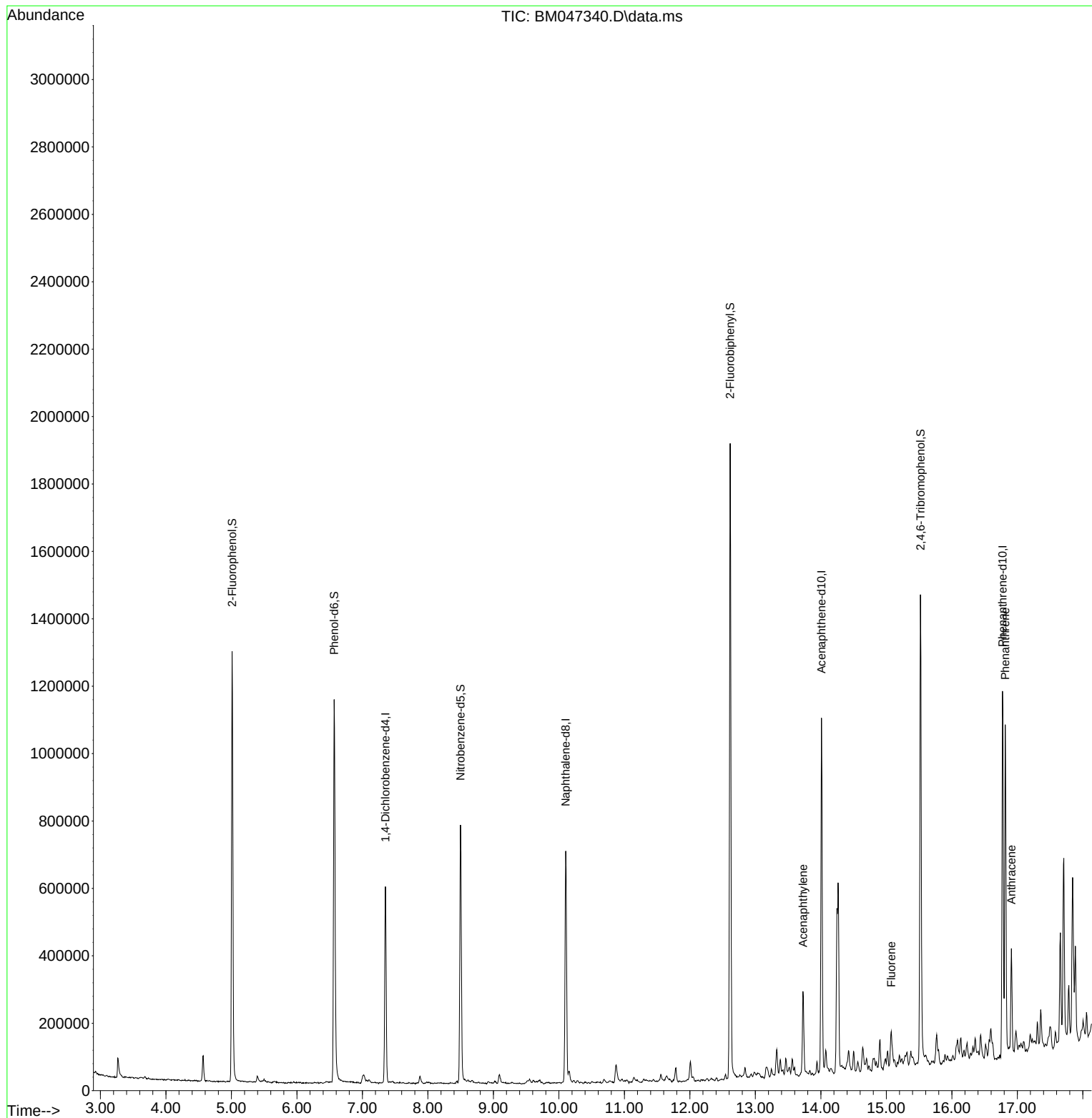
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082324\
Data File : BM047340.D
Acq On : 23 Aug 2024 19:27
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ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-03-8-21-2024

Quant Time: Aug 24 00:41:56 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

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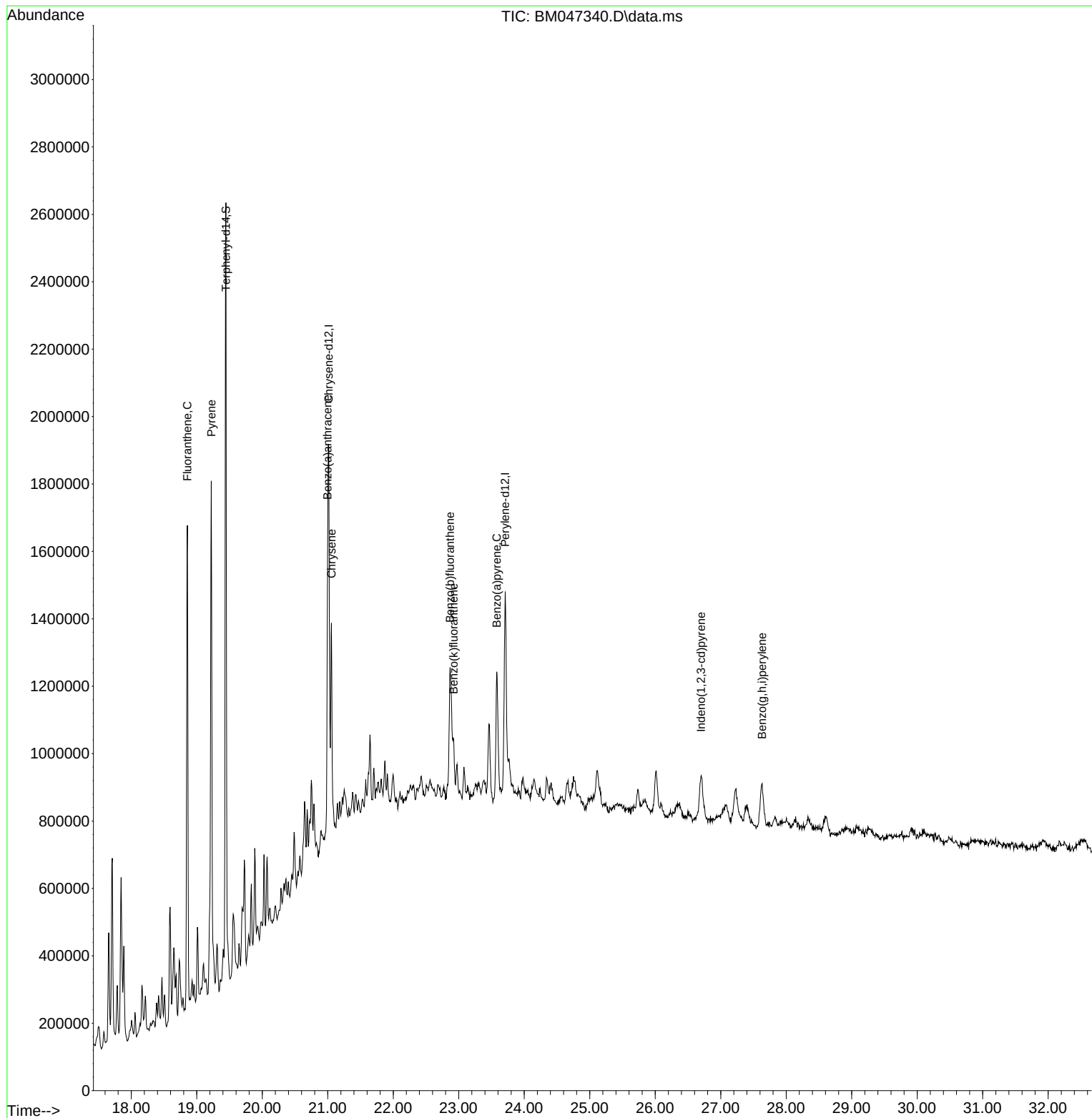
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Data File : BM047340.D
Acq On : 23 Aug 2024 19:27
Operator : RC/JU
Sample : P3703-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

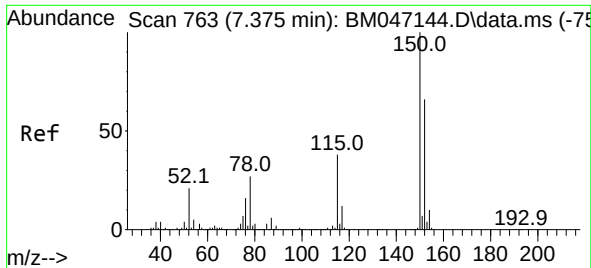
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BNA_M
ClientSampleId :
OR-03-8-21-2024

Quant Time: Aug 24 00:41:56 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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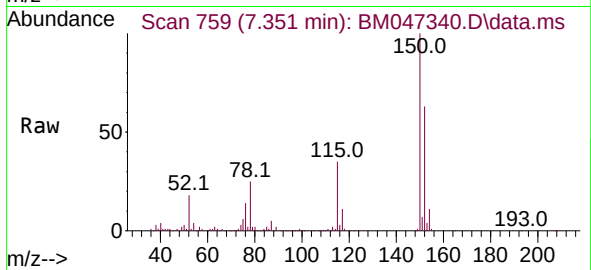
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/24/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.351 min Scan# 71
Delta R.T. -0.024 min
Lab File: BM047340.D
Acq: 23 Aug 2024 19:27

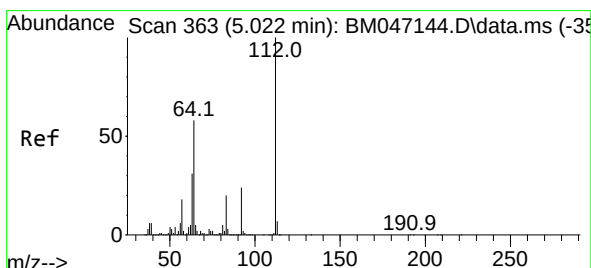
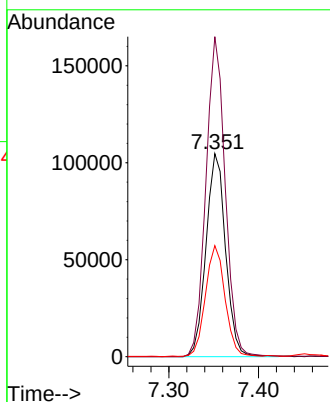
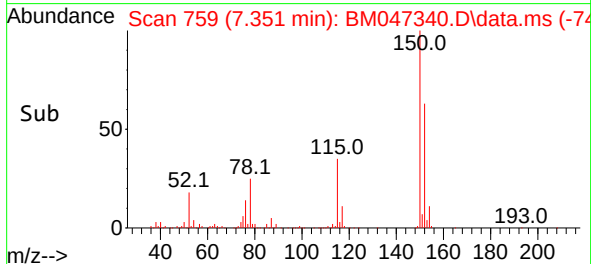
Instrument :
BNA_M
ClientSampleId :
OR-03-8-21-2024



Tgt Ion:152 Resp: 15883
Ion Ratio Lower Upper
152 100
150 157.6 120.5 180.7
115 54.7 45.5 68.3

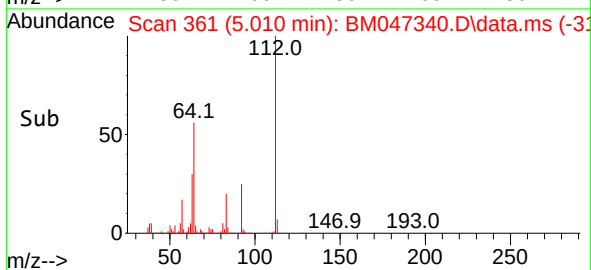
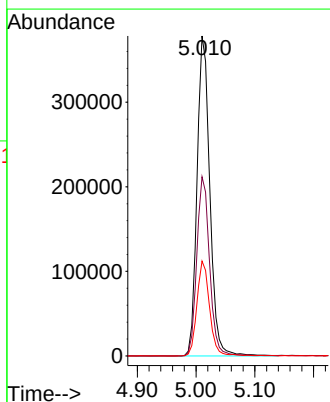
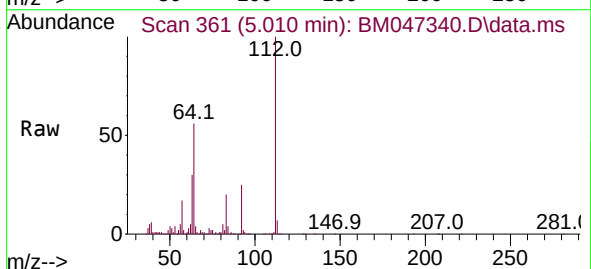
Manual Integrations
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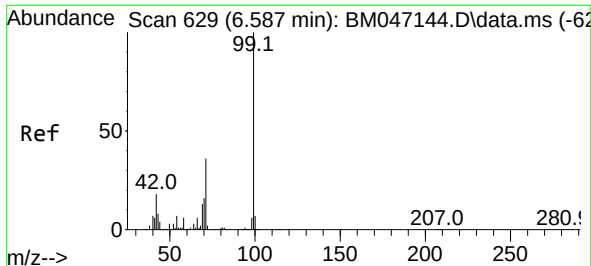
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/24/2024



#5
2-Fluorophenol
Concen: 64.285 ng
RT: 5.010 min Scan# 361
Delta R.T. -0.012 min
Lab File: BM047340.D
Acq: 23 Aug 2024 19:27

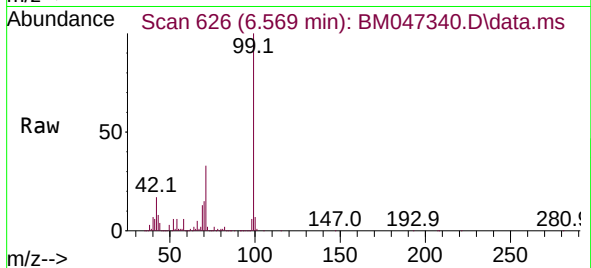
Tgt Ion:112 Resp: 571429
Ion Ratio Lower Upper
112 100
64 56.0 46.7 70.1
63 29.7 24.8 37.2





#7
Phenol-d6
Concen: 58.864 ng
RT: 6.569 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM047340.D
Acq: 23 Aug 2024 19:27

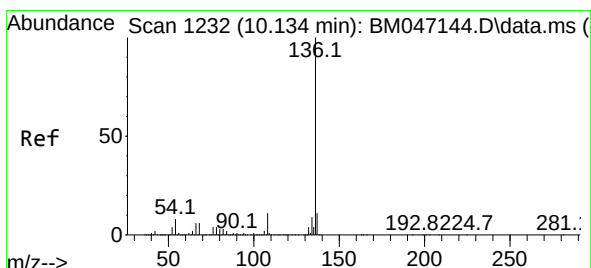
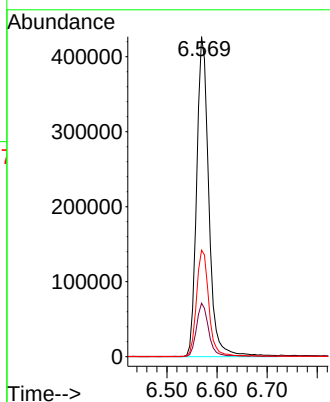
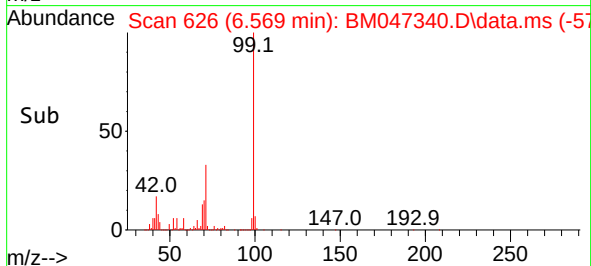
Instrument :
BNA_M
ClientSampleId :
OR-03-8-21-2024



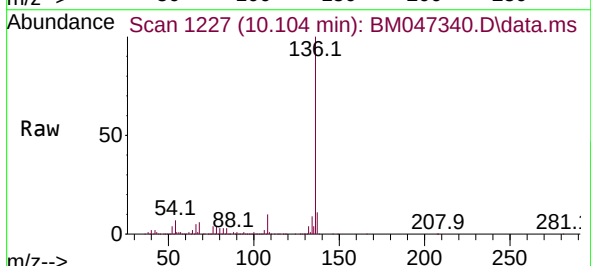
Tgt Ion: 99 Resp: 72098
Ion Ratio Lower Upper
99 100
42 16.7 14.1 21.1
71 33.3 28.5 42.7

Manual Integrations
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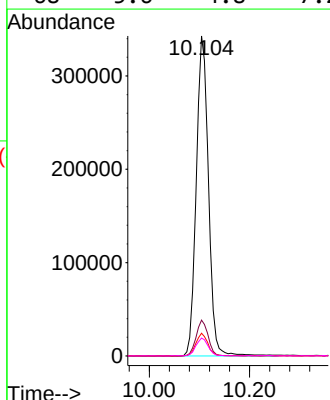
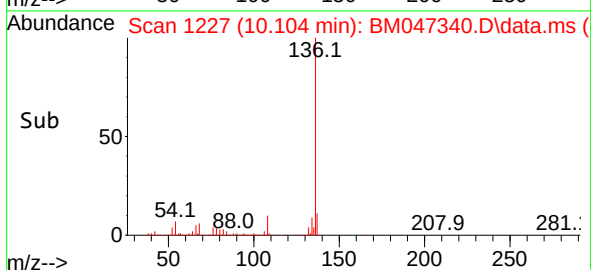
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/24/2024

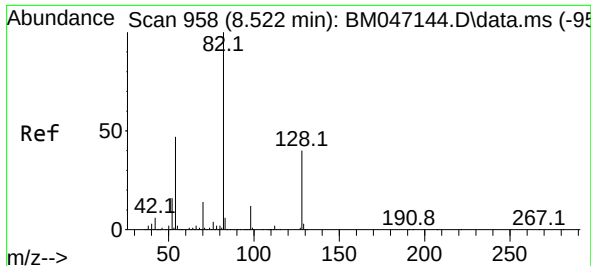


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.104 min Scan# 1227
Delta R.T. -0.030 min
Lab File: BM047340.D
Acq: 23 Aug 2024 19:27



Tgt Ion:136 Resp: 579423
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 7.1 6.0 9.0
68 5.6 4.8 7.2





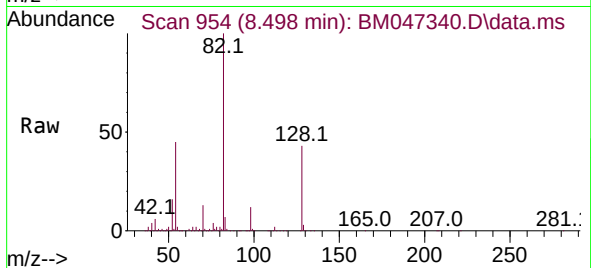
#23
Nitrobenzene-d5
Concen: 39.967 ng
RT: 8.498 min Scan# 91
Delta R.T. -0.024 min
Lab File: BM047340.D
Acq: 23 Aug 2024 19:27

Instrument :

BNA_M

ClientSampleId :

OR-03-8-21-2024



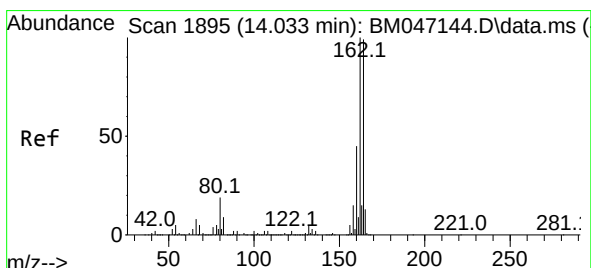
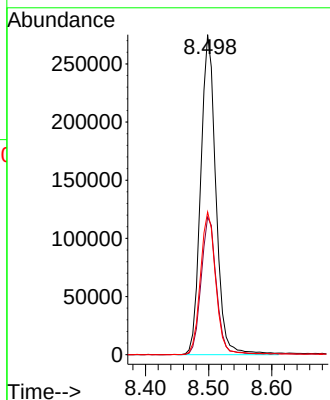
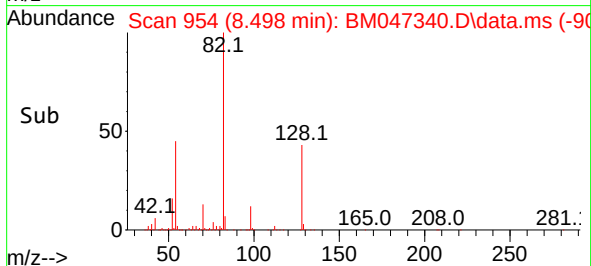
Tgt Ion: 82 Resp: 459900
Ion Ratio Lower Upper
82 100
128 43.0 32.3 48.5
54 44.6 37.4 56.2

Manual Integrations

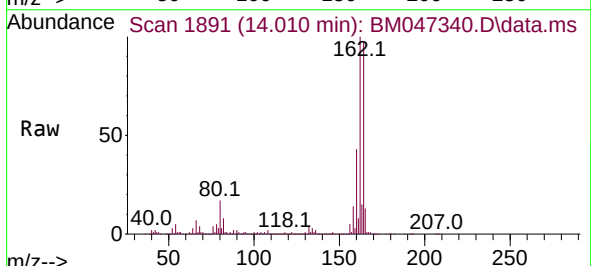
APPROVED

Reviewed By :Yogesh Patel 08/24/2024

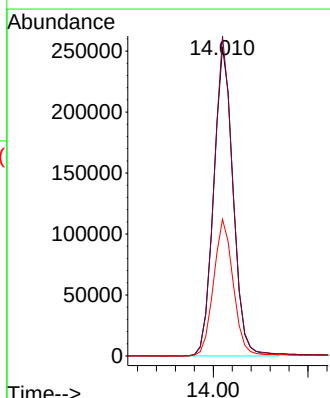
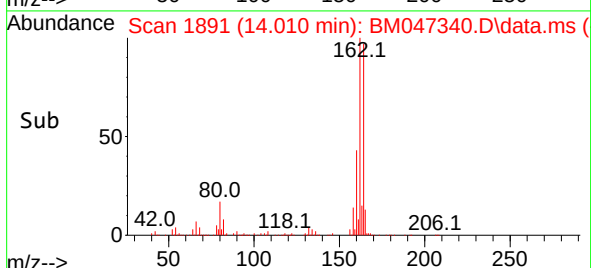
Supervised By :mohammad ahmed 08/24/2024

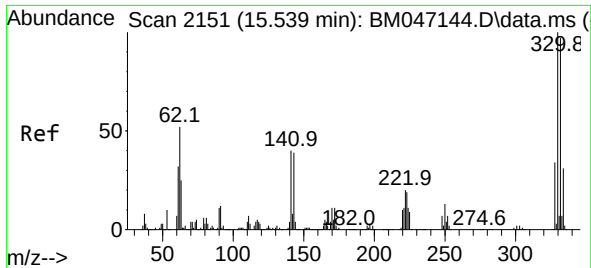


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.010 min Scan# 1891
Delta R.T. -0.024 min
Lab File: BM047340.D
Acq: 23 Aug 2024 19:27



Tgt Ion:164 Resp: 360726
Ion Ratio Lower Upper
164 100
162 103.5 80.7 121.1
160 44.2 36.0 54.0





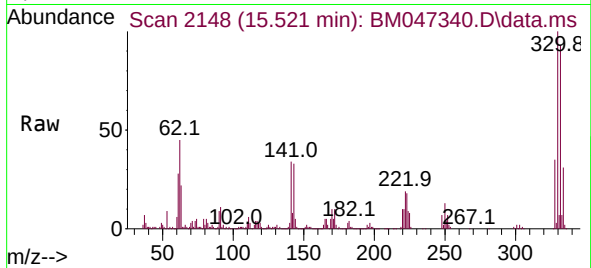
#42
2,4,6-Tribromophenol
Concen: 65.952 ng
RT: 15.521 min Scan# 2151
Delta R.T. -0.018 min
Lab File: BM047340.D
Acq: 23 Aug 2024 19:27

Instrument :

BNA_M

ClientSampleId :

OR-03-8-21-2024



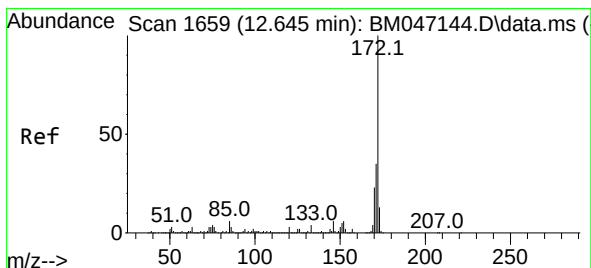
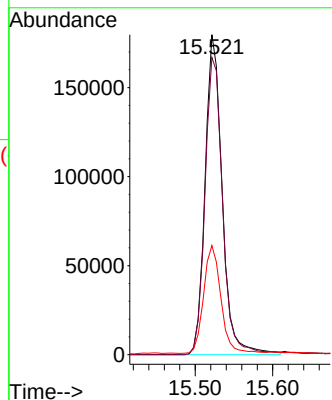
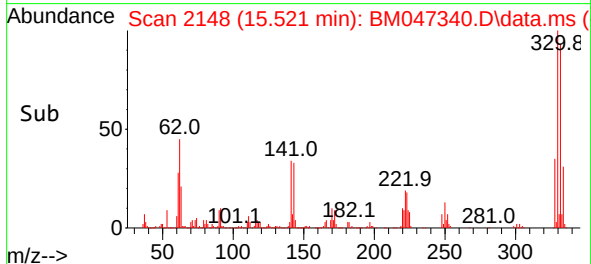
Tgt Ion:330 Resp: 27585
Ion Ratio Lower Upper
330 100
332 96.9 77.4 116.2
141 33.9 31.6 47.4

Manual Integrations

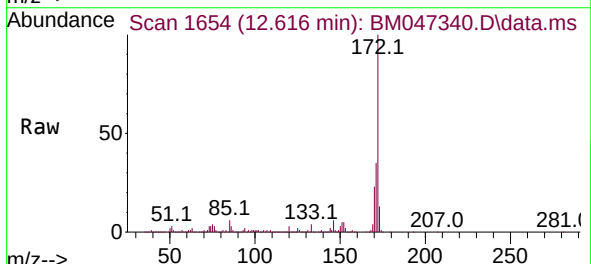
APPROVED

Reviewed By :Yogesh Patel 08/24/2024

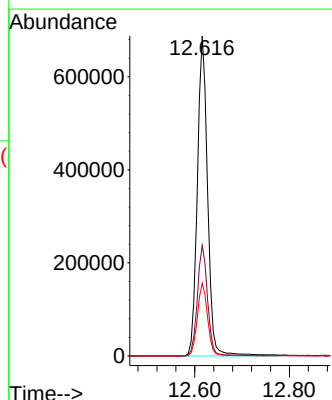
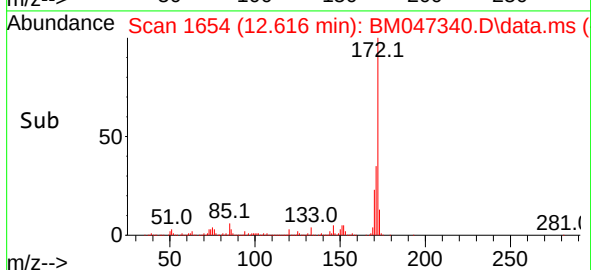
Supervised By :mohammad ahmed 08/24/2024

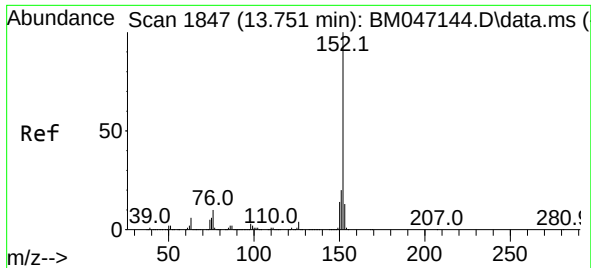


#45
2-Fluorobiphenyl
Concen: 44.275 ng
RT: 12.616 min Scan# 1654
Delta R.T. -0.029 min
Lab File: BM047340.D
Acq: 23 Aug 2024 19:27



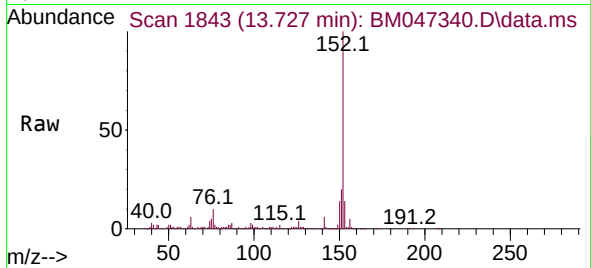
Tgt Ion:172 Resp: 1035395
Ion Ratio Lower Upper
172 100
171 34.5 27.8 41.6
170 22.7 18.7 28.1





#49
Acenaphthylene
Concen: 6.058 ng
RT: 13.727 min Scan# 1843
Delta R.T. -0.024 min
Lab File: BM047340.D
Acq: 23 Aug 2024 19:27

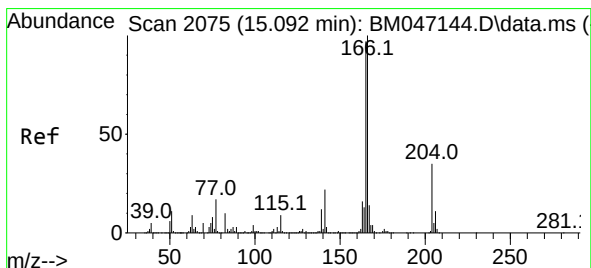
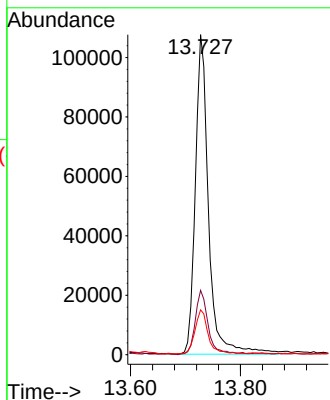
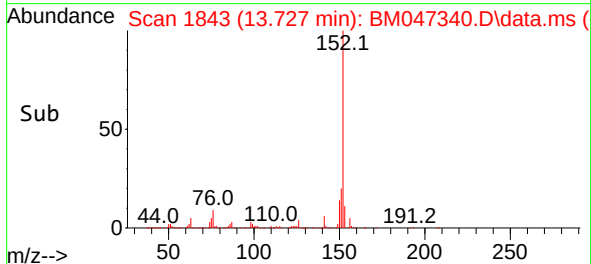
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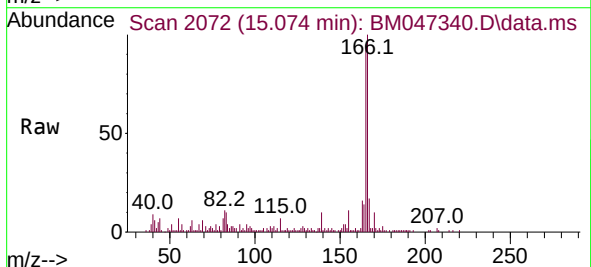
Tgt Ion:152 Resp: 17922
Ion Ratio Lower Upper
152 100
151 20.1 15.8 23.6
153 14.0 10.4 15.6

Manual Integrations
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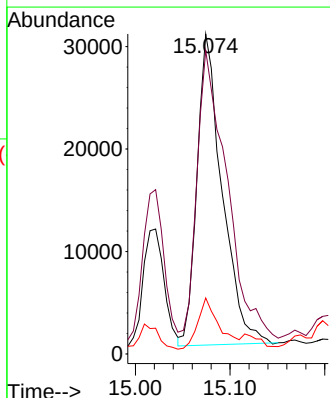
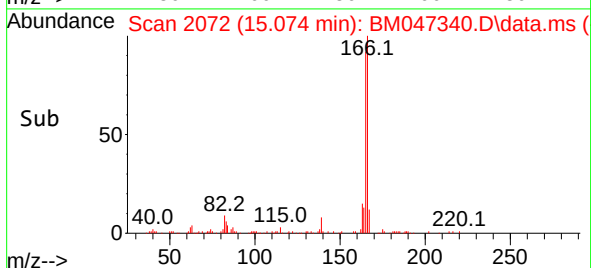
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/24/2024

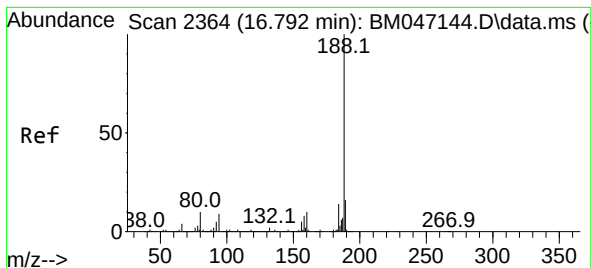


#58
Fluorene
Concen: 2.292 ng
RT: 15.074 min Scan# 2072
Delta R.T. -0.018 min
Lab File: BM047340.D
Acq: 23 Aug 2024 19:27



Tgt Ion:166 Resp: 56060
Ion Ratio Lower Upper
166 100
165 94.8 77.4 116.0
167 17.5 11.0 16.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.774 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM047340.D

Acq: 23 Aug 2024 19:27

Instrument :

BNA_M

ClientSampleId :

OR-03-8-21-2024

Tgt Ion:188 Resp: 67246

Ion Ratio Lower Upper

188 100

94 8.2 7.0 10.6

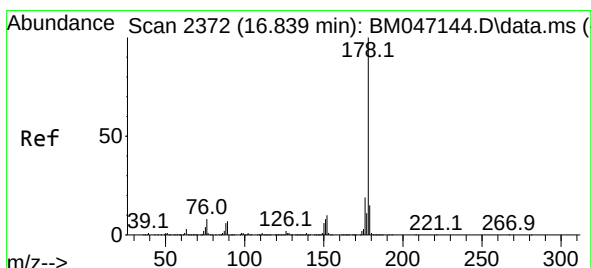
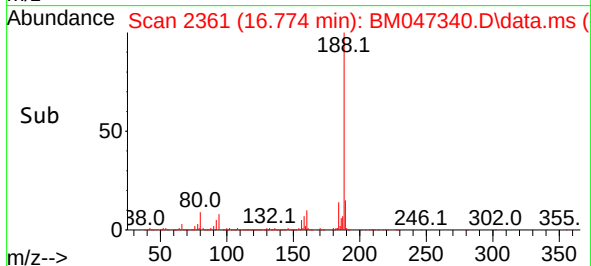
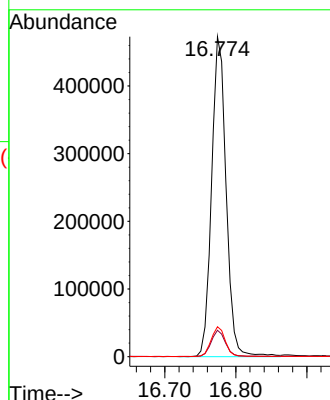
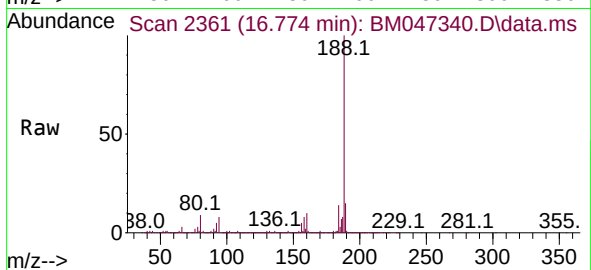
80 9.3 8.0 12.0

Manual Integrations

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Reviewed By :Yogesh Patel 08/24/2024

Supervised By :mohammad ahmed 08/24/2024



#71

Phenanthrene

Concen: 17.687 ng

RT: 16.815 min Scan# 2368

Delta R.T. -0.024 min

Lab File: BM047340.D

Acq: 23 Aug 2024 19:27

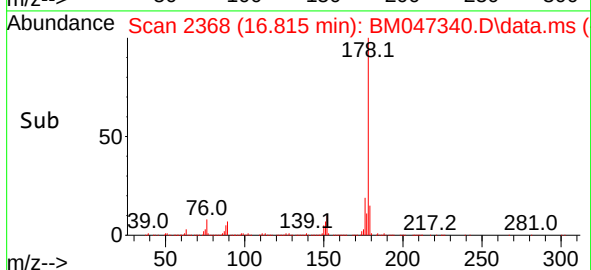
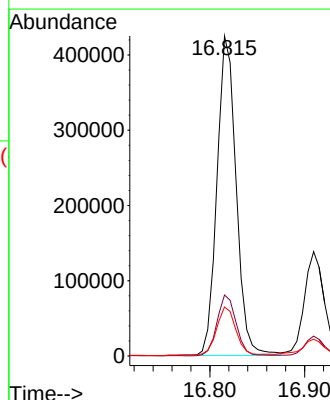
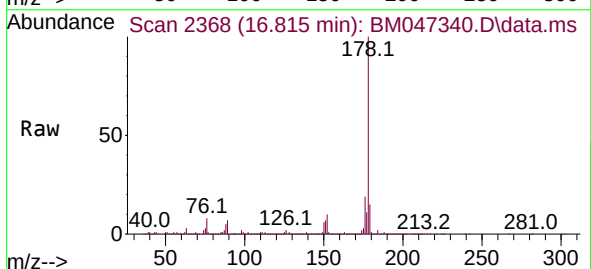
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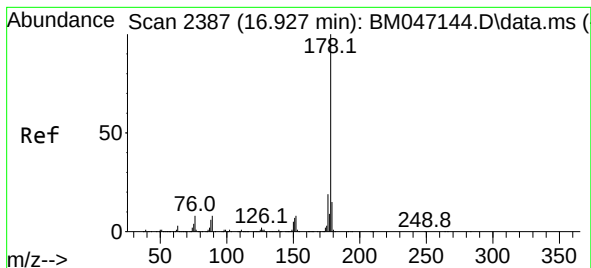
Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

179 15.3 12.4 18.6





#72

Anthracene

Concen: 5.923 ng

RT: 16.909 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM047340.D

Acq: 23 Aug 2024 19:27

Instrument :

BNA_M

ClientSampleId :

OR-03-8-21-2024

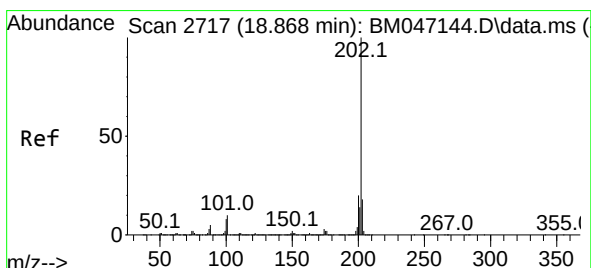
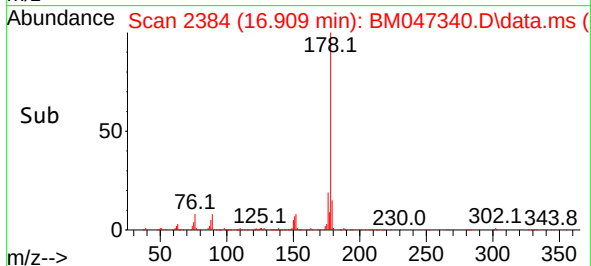
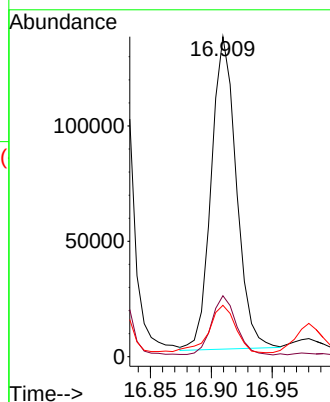
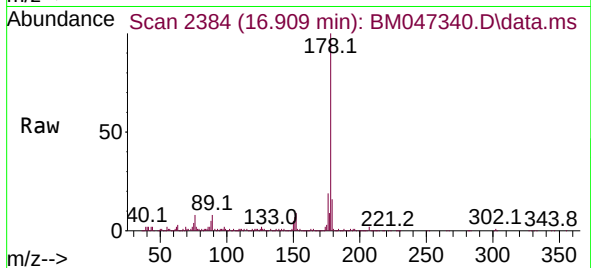
Tgt Ion:178 Resp: 19450
 Ion Ratio Lower Upper
 178 100
 176 19.1 14.8 22.2
 179 16.1 12.4 18.6

Manual Integrations

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Reviewed By :Yogesh Patel 08/24/2024

Supervised By :mohammad ahmed 08/24/2024



#75

Fluoranthene

Concen: 21.560 ng

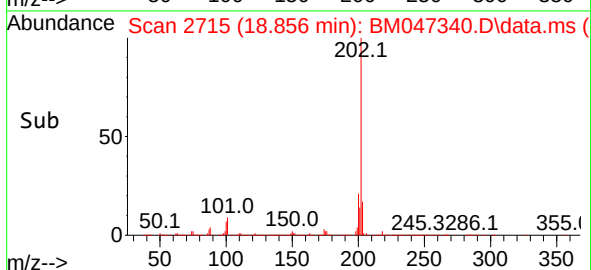
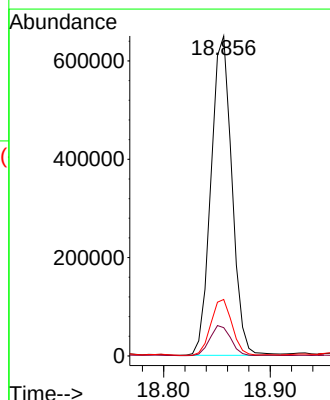
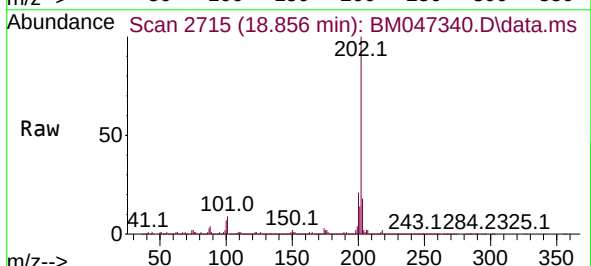
RT: 18.856 min Scan# 2715

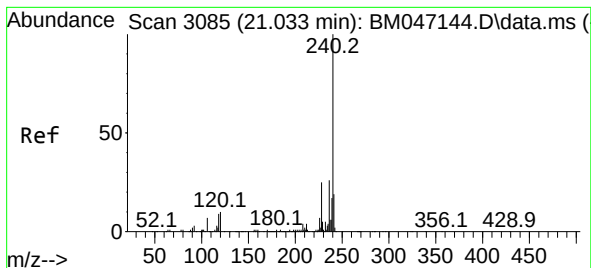
Delta R.T. -0.012 min

Lab File: BM047340.D

Acq: 23 Aug 2024 19:27

Tgt Ion:202 Resp: 885010
 Ion Ratio Lower Upper
 202 100
 101 8.9 0.0 30.2
 203 17.6 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.015 min Scan# 3082

Delta R.T. -0.018 min

Lab File: BM047340.D

Acq: 23 Aug 2024 19:27

Instrument :

BNA_M

ClientSampleId :

OR-03-8-21-2024

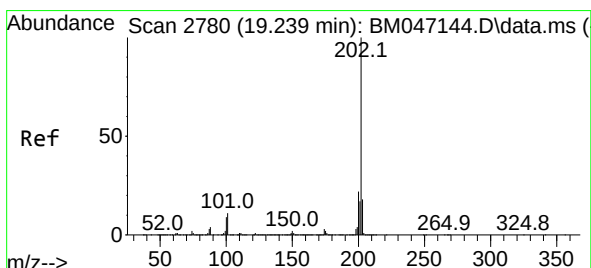
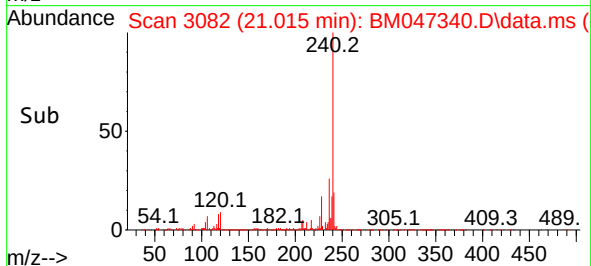
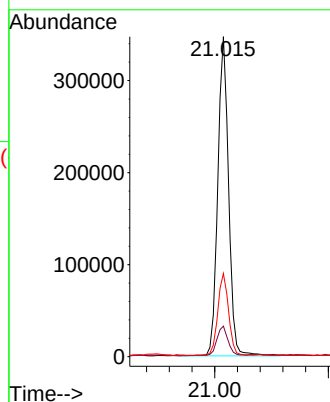
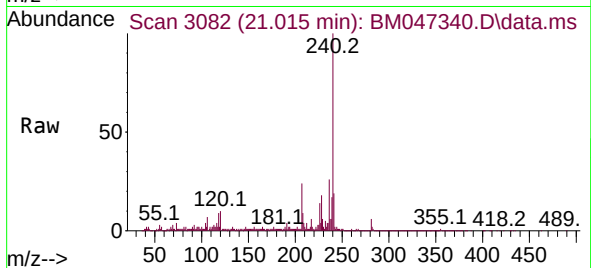
Tgt Ion:240 Resp: 45724
 Ion Ratio Lower Upper
 240 100
 120 9.5 8.2 12.2
 236 26.0 20.6 30.8

Manual Integrations

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Reviewed By :Yogesh Patel 08/24/2024

Supervised By :mohammad ahmed 08/24/2024



#78

Pyrene

Concen: 29.770 ng

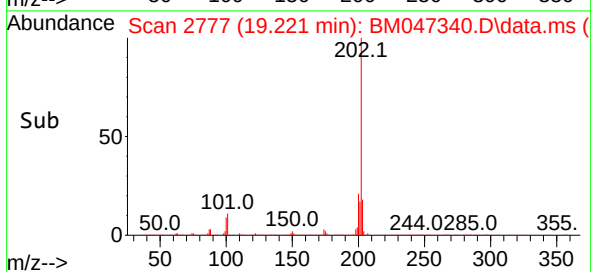
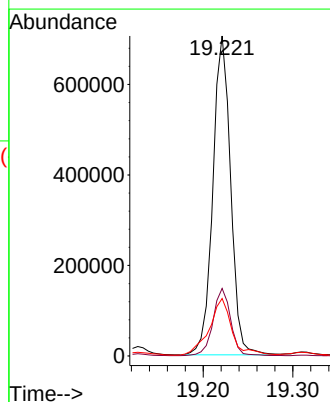
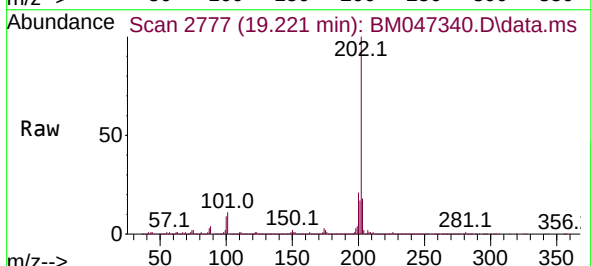
RT: 19.221 min Scan# 2777

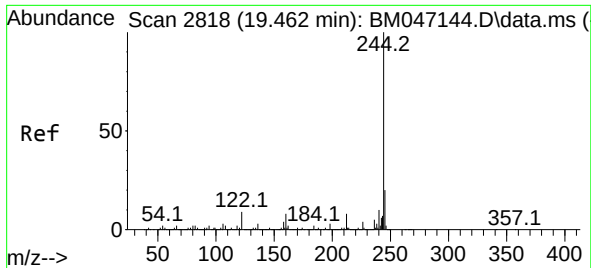
Delta R.T. -0.018 min

Lab File: BM047340.D

Acq: 23 Aug 2024 19:27

Tgt Ion:202 Resp: 971933
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.2 25.8
 203 17.9 14.2 21.2





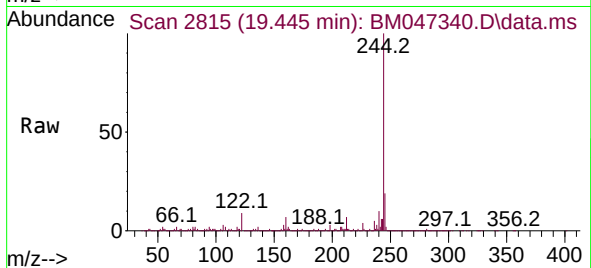
#79
 Terphenyl-d14
 Concen: 54.473 ng
 RT: 19.445 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BM047340.D
 Acq: 23 Aug 2024 19:27

Instrument :

BNA_M

ClientSampleId :

OR-03-8-21-2024



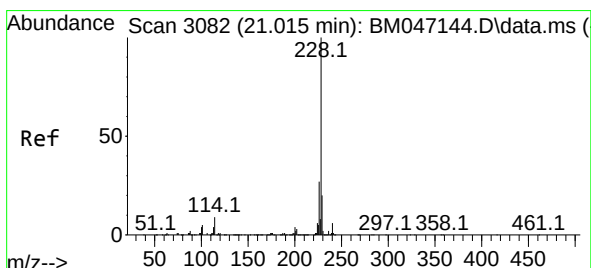
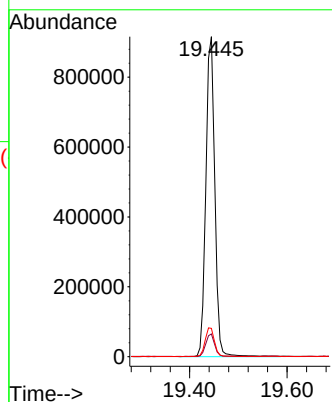
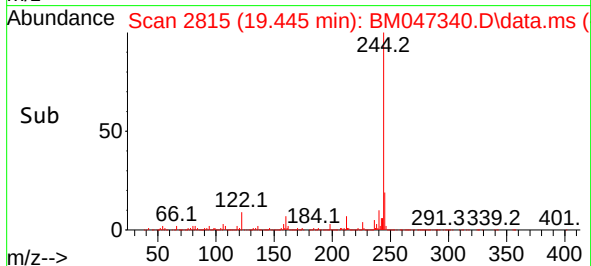
Tgt Ion:244 Resp: 116240
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.2 9.4
 122 8.9 7.1 10.7

Manual Integrations

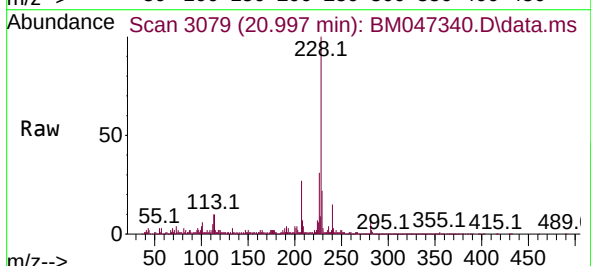
APPROVED

Reviewed By :Yogesh Patel 08/24/2024

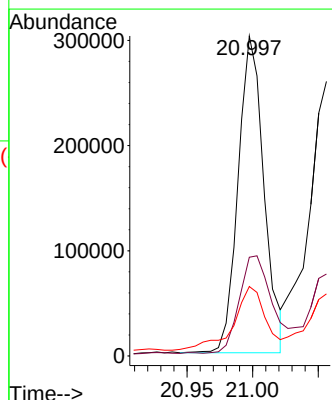
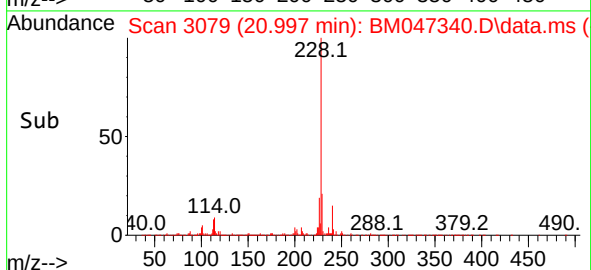
Supervised By :mohammad ahmed 08/24/2024

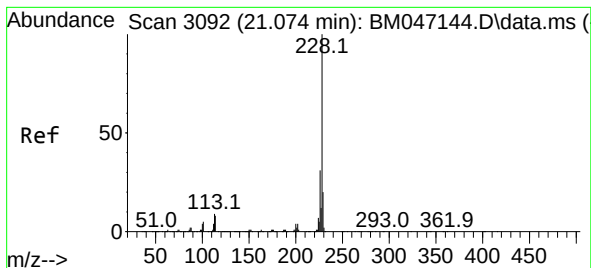


#81
 Benzo(a)anthracene
 Concen: 13.616 ng
 RT: 20.997 min Scan# 3079
 Delta R.T. -0.018 min
 Lab File: BM047340.D
 Acq: 23 Aug 2024 19:27



Tgt Ion:228 Resp: 413309
 Ion Ratio Lower Upper
 228 100
 226 30.8 21.8 32.6
 229 21.7 15.8 23.8





#83

Chrysene

Concen: 13.800 ng

RT: 21.056 min Scan# 3092

Delta R.T. -0.018 min

Lab File: BM047340.D

Acq: 23 Aug 2024 19:27

Instrument :

BNA_M

ClientSampleId :

OR-03-8-21-2024

Tgt Ion:228 Resp: 39743

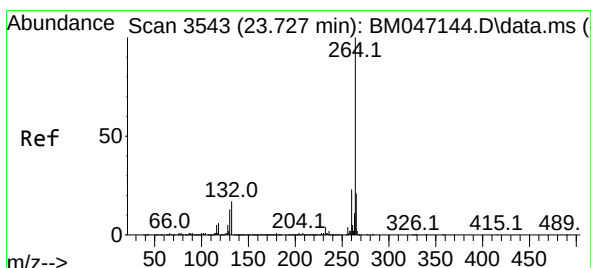
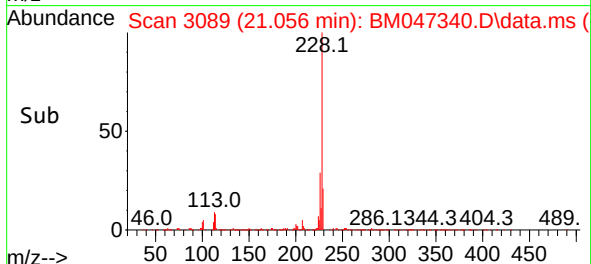
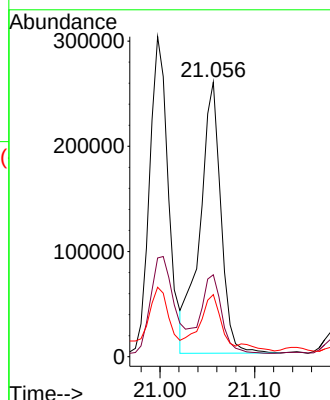
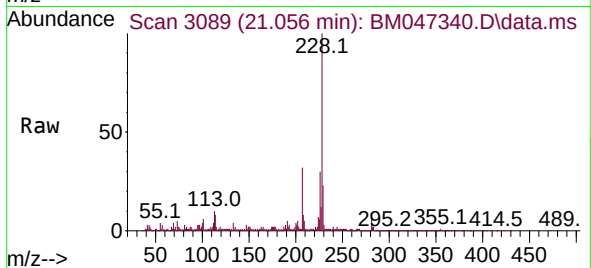
Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.4	36.6
229	22.6	15.7	23.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/24/2024

Supervised By :mohammad ahmed 08/24/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.709 min Scan# 3540

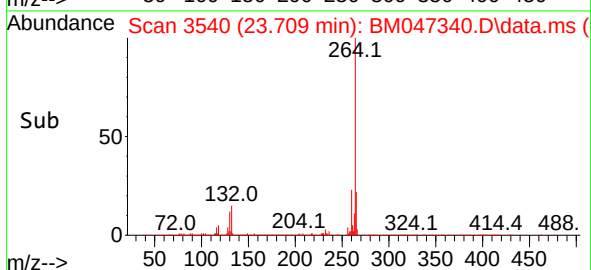
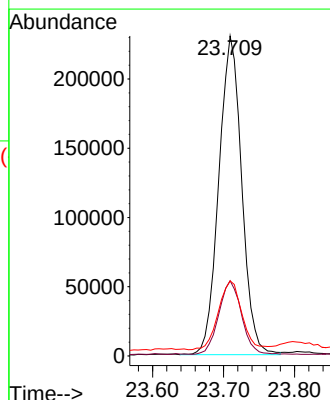
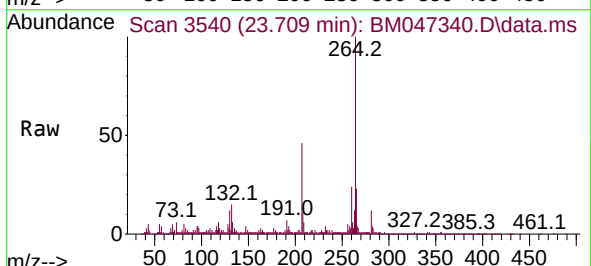
Delta R.T. -0.018 min

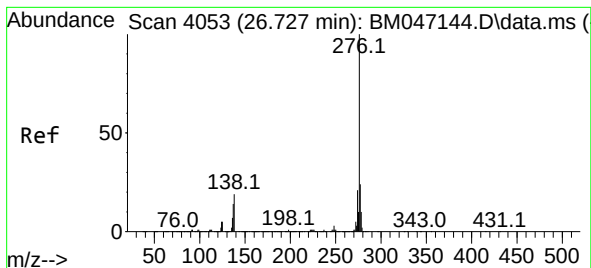
Lab File: BM047340.D

Acq: 23 Aug 2024 19:27

Tgt Ion:264 Resp: 514316

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.5	27.7
265	23.5	17.3	25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.682 ng

RT: 26.697 min Scan# 4053

Delta R.T. -0.030 min

Lab File: BM047340.D

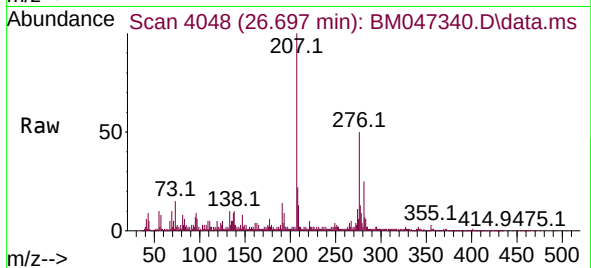
Acq: 23 Aug 2024 19:27

Instrument :

BNA_M

ClientSampleId :

OR-03-8-21-2024



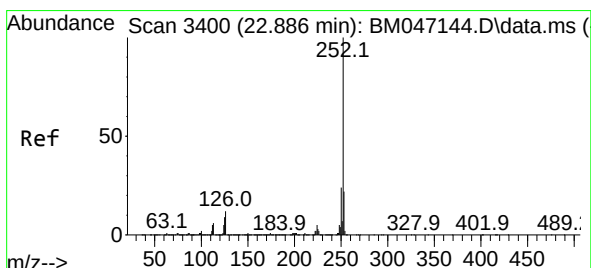
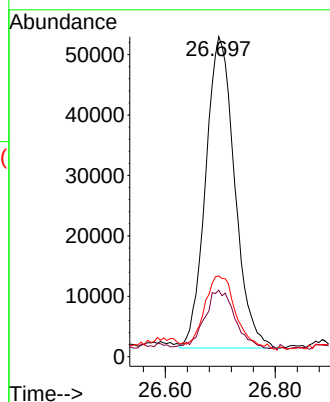
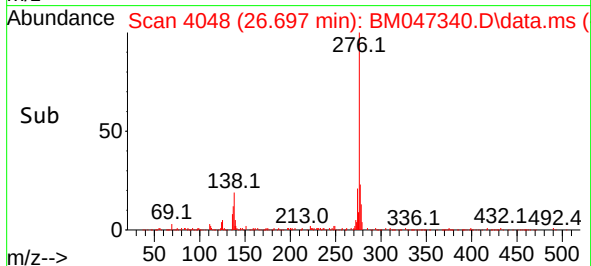
Tgt Ion:	276	Resp:	18890
Ion Ratio	Lower	Upper	
276	100		
138	20.2	19.4	29.0
277	25.4	20.1	30.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/24/2024

Supervised By :mohammad ahmed 08/24/2024



#88

Benzo(b)fluoranthene

Concen: 12.615 ng

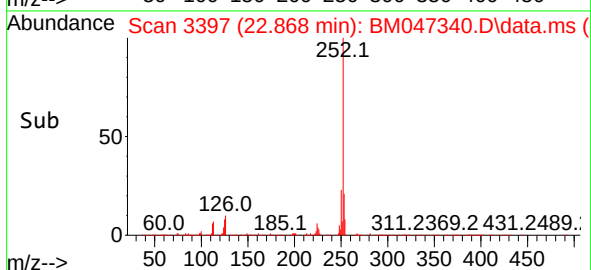
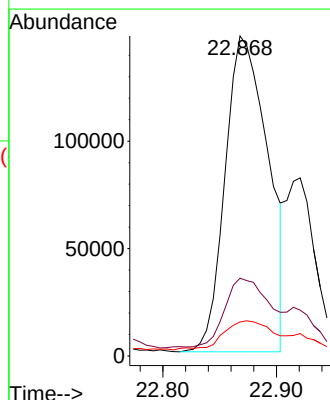
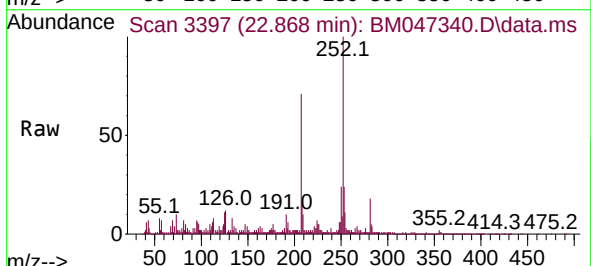
RT: 22.868 min Scan# 3397

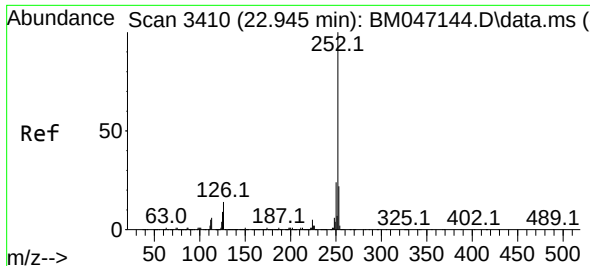
Delta R.T. -0.018 min

Lab File: BM047340.D

Acq: 23 Aug 2024 19:27

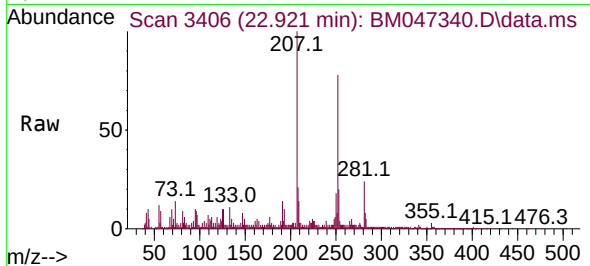
Tgt Ion:	252	Resp:	385314
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.8	26.6
125	10.6	7.4	11.0





#89
Benzo(k)fluoranthene
Concen: 5.170 ng m
RT: 22.921 min Scan# 3410
Delta R.T. -0.024 min
Lab File: BM047340.D
Acq: 23 Aug 2024 19:27

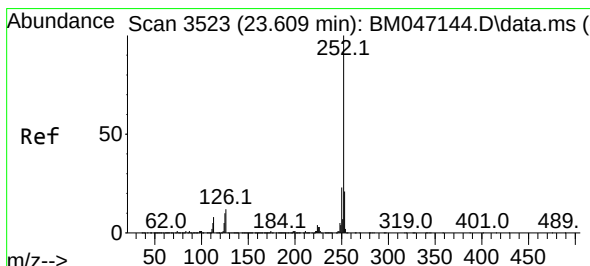
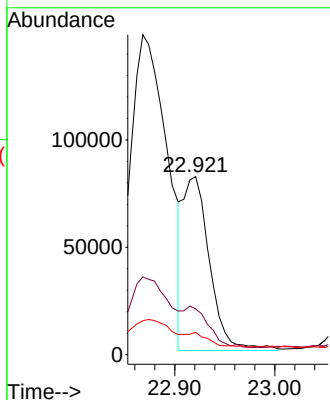
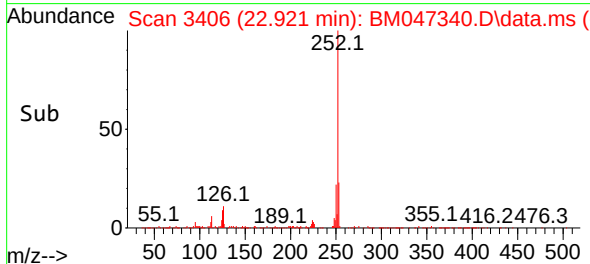
Instrument :
BNA_M
ClientSampleId :
OR-03-8-21-2024



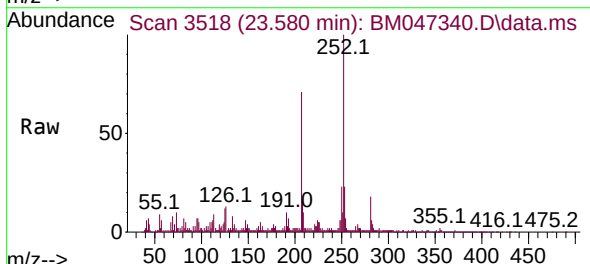
Tgt Ion:252 Resp: 149138
Ion Ratio Lower Upper
252 100
253 25.7 17.7 26.5
125 12.6 7.4 11.2

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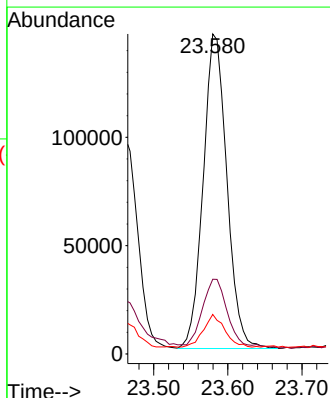
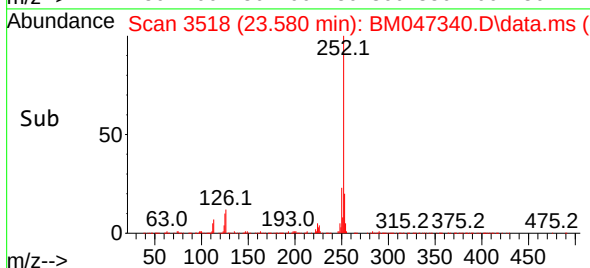
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/24/2024

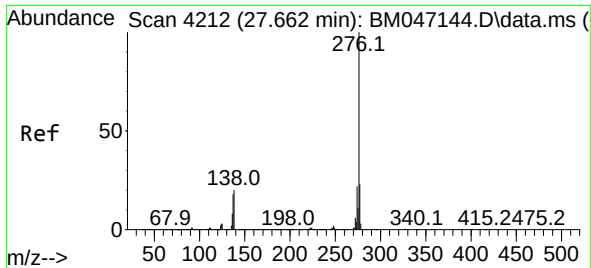


#90
Benzo(a)pyrene
Concen: 12.192 ng
RT: 23.580 min Scan# 3518
Delta R.T. -0.030 min
Lab File: BM047340.D
Acq: 23 Aug 2024 19:27



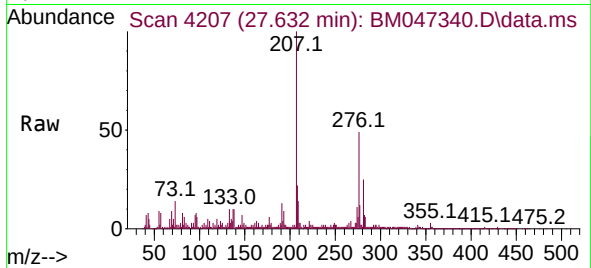
Tgt Ion:252 Resp: 322579
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 12.4 8.2 12.2





#92
 Benzo(g,h,i)perylene
 Concen: 7.390 ng
 RT: 27.632 min Scan# 41
 Delta R.T. -0.030 min
 Lab File: BM047340.D
 Acq: 23 Aug 2024 19:27

Instrument :
 BNA_M
 ClientSampleId :
 OR-03-8-21-2024



Tgt Ion: 276 Resp: 206424
 Ion Ratio Lower Upper
 276 100
 277 25.0 18.8 28.2
 138 20.0 16.2 24.4

Manual Integrations
 APPROVED

Reviewed By : Yogesh Patel 08/24/2024
 Supervised By : mohammad ahmed 08/24/2024

