

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081524\
 Data File : BM047195.D
 Acq On : 14 Aug 2024 17:31
 Operator : RC/JU
 Sample : P3519-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OU4-TS-17-080724

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/15/2024
 Supervised By :mohammad ahmed 08/16/2024

Quant Time: Aug 14 18:10:52 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 14 17:18:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.369	152	345432	20.000	ng	0.00
21) Naphthalene-d8	10.122	136	1322790	20.000	ng	-0.01
39) Acenaphthene-d10	14.027	164	855111	20.000	ng	0.00
64) Phenanthrene-d10	16.786	188	1776992	20.000	ng	0.00
76) Chrysene-d12	21.021	240	1367688	20.000	ng	-0.01
86) Perylene-d12	23.715	264	1306766	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.022	112	1407176	72.790	ng	0.00
7) Phenol-d6	6.581	99	1851315	69.499	ng	0.00
23) Nitrobenzene-d5	8.516	82	1225617	46.654	ng	0.00
42) 2,4,6-Tribromophenol	15.533	330	715757	72.188	ng	0.00
45) 2-Fluorobiphenyl	12.633	172	2275500	41.048	ng	-0.01
79) Terphenyl-d14	19.451	244	2983474	46.742	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	16.827	178	812642	9.112	ng	100
72) Anthracene	16.915	178	211677	2.439	ng	100
75) Fluoranthene	18.862	202	1336179	12.318	ng	100
78) Pyrene	19.227	202	1197192	12.259	ng	99
81) Benzo(a)anthracene	21.003	228	506451	5.578	ng	98
83) Chrysene	21.062	228	501707m	5.824	ng	
87) Indeno(1,2,3-cd)pyrene	26.697	276	246814	2.922	ng	97
88) Benzo(b)fluoranthene	22.874	252	548033	7.062	ng	# 97
89) Benzo(k)fluoranthene	22.927	252	208789m	2.848	ng	
90) Benzo(a)pyrene	23.591	252	406147	6.042	ng	# 97
92) Benzo(g,h,i)perylene	27.626	276	243024	3.424	ng	97

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

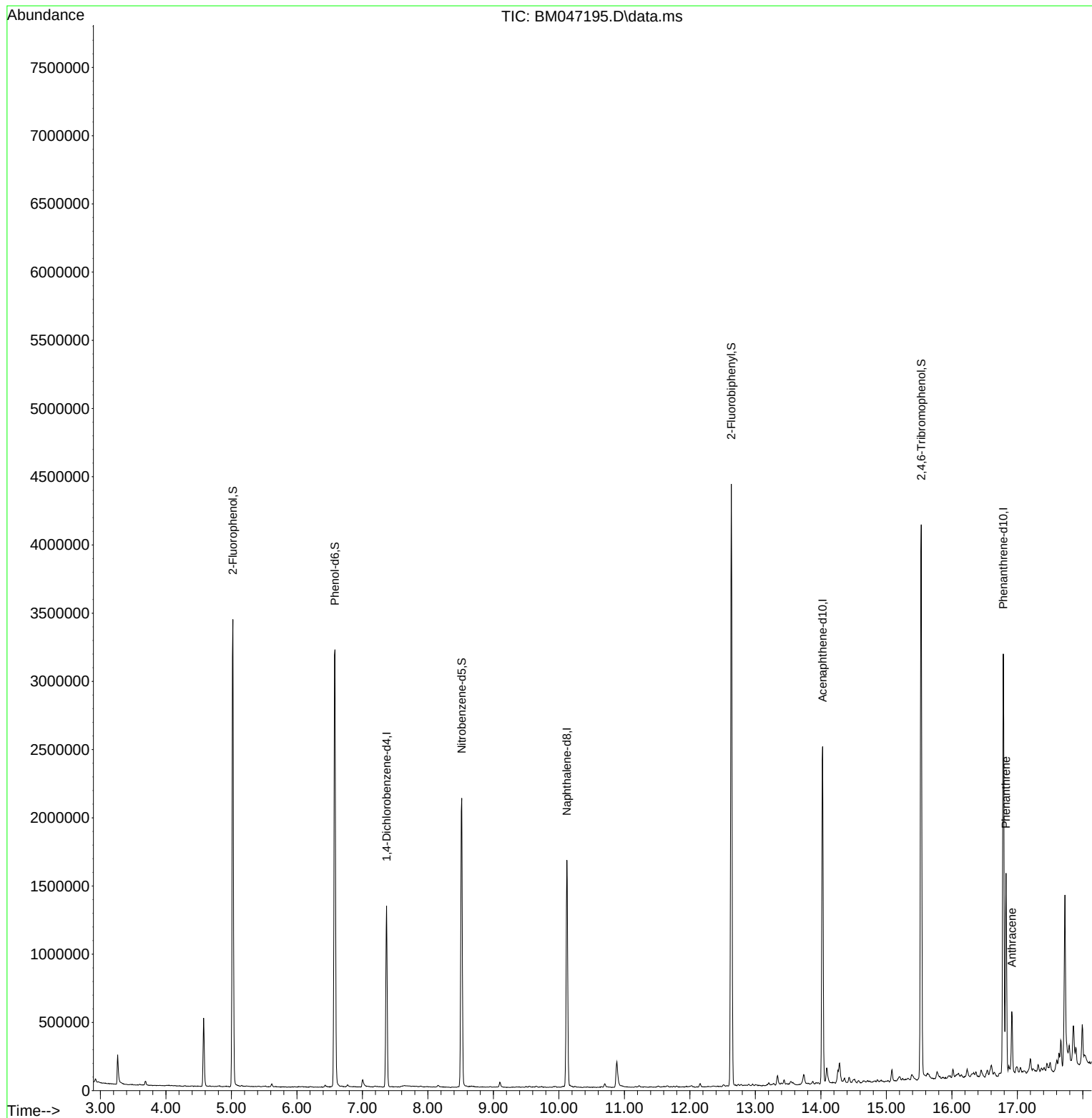
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081524\
Data File : BM047195.D
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Quant Time: Aug 14 18:10:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 17:18:06 2024
Response via : Initial Calibration



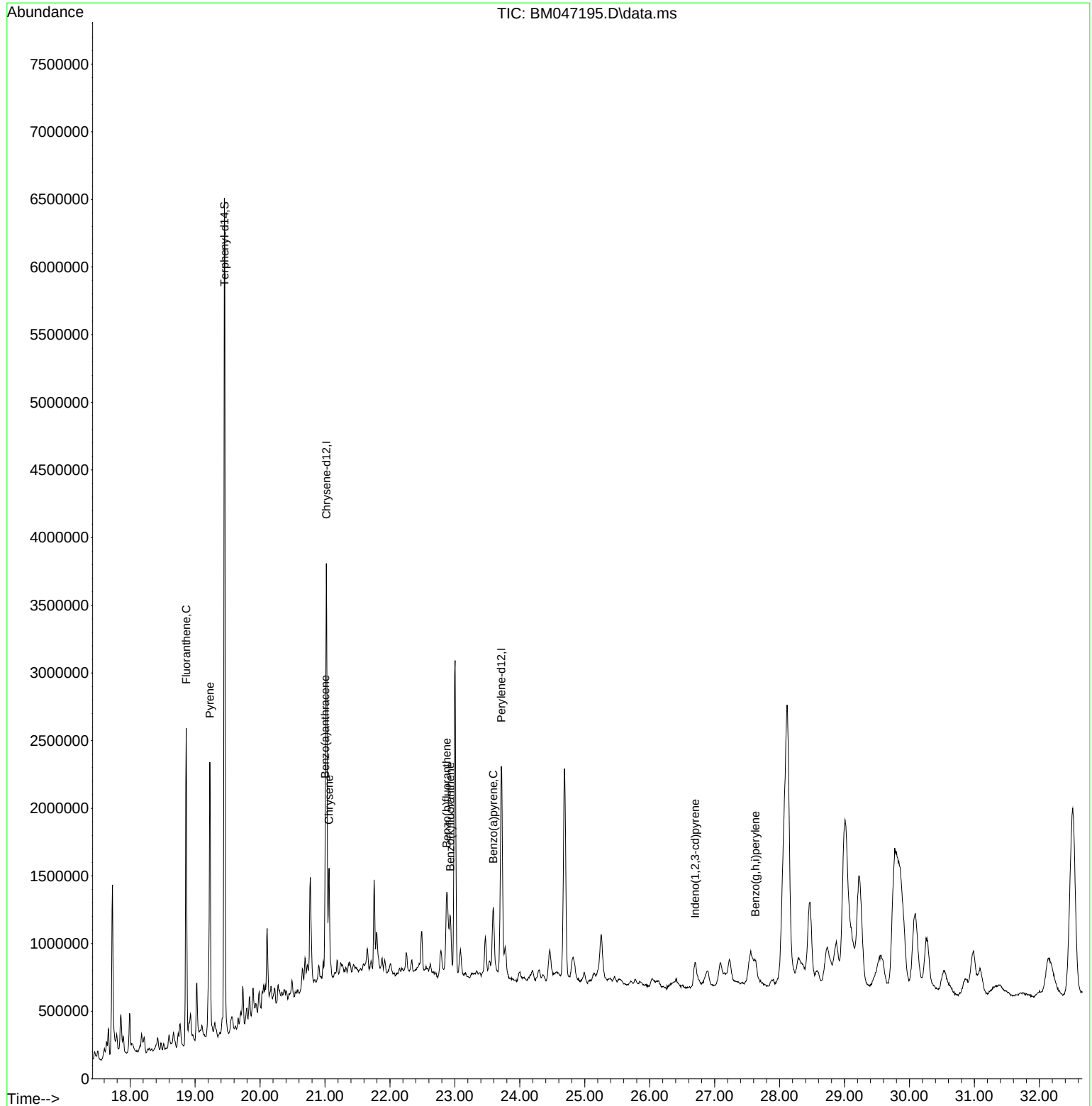
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Data File : BM047195.D
Acq On : 14 Aug 2024 17:31
Operator : RC/JU
Sample : P3519-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

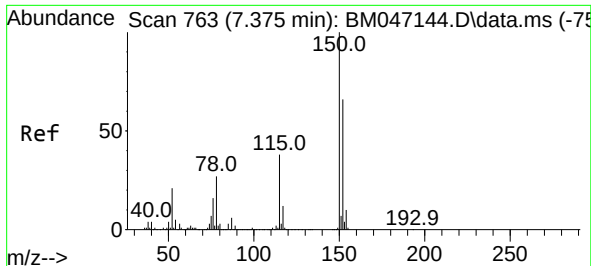
Instrument :
BNA_M
ClientSampleId :
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Quant Time: Aug 14 18:10:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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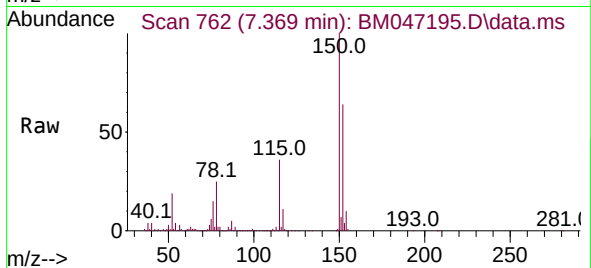
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.369 min Scan# 763
Delta R.T. -0.006 min
Lab File: BM047195.D
Acq: 14 Aug 2024 17:31

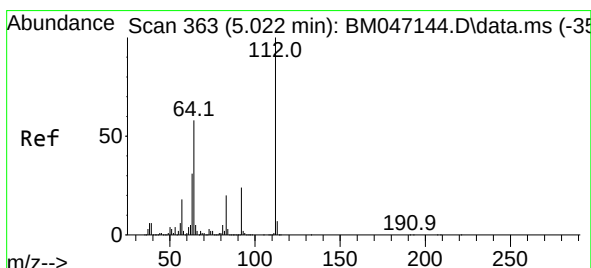
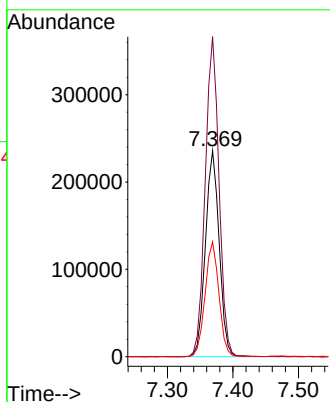
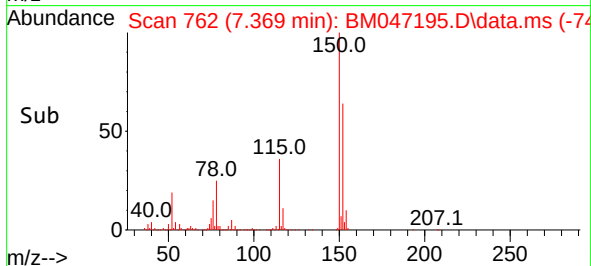
Instrument :
BNA_M
ClientSampleId :
OU4-TS-17-080724



Tgt Ion:152 Resp: 345432
Ion Ratio Lower Upper
152 100
150 155.4 120.5 180.7
115 55.8 45.5 68.3

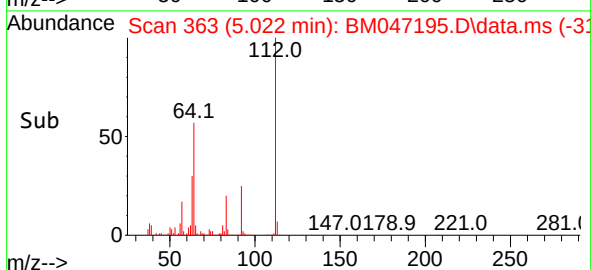
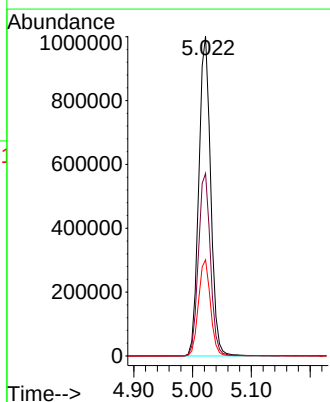
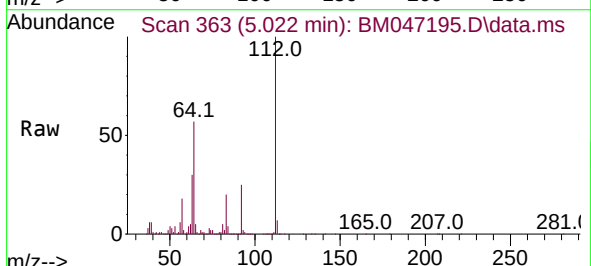
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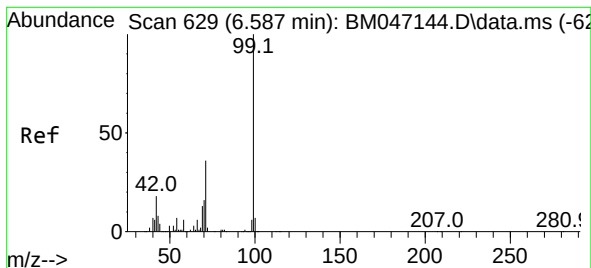
Reviewed By :Yogesh Patel 08/15/2024
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#5
2-Fluorophenol
Concen: 72.790 ng
RT: 5.022 min Scan# 363
Delta R.T. -0.000 min
Lab File: BM047195.D
Acq: 14 Aug 2024 17:31

Tgt Ion:112 Resp: 1407176
Ion Ratio Lower Upper
112 100
64 57.1 46.7 70.1
63 30.1 24.8 37.2





#7

Phenol-d6

Concen: 69.499 ng

RT: 6.581 min Scan# 61

Delta R.T. -0.006 min

Lab File: BM047195.D

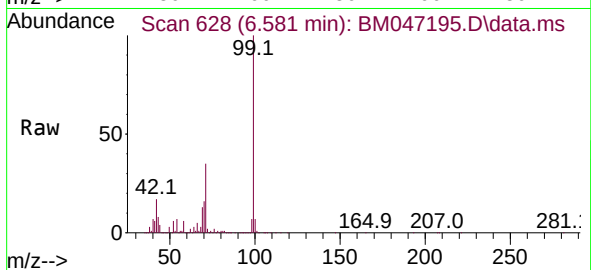
Acq: 14 Aug 2024 17:31

Instrument :

BNA_M

ClientSampleId :

OU4-TS-17-080724



Tgt Ion: 99 Resp: 185131

Ion Ratio Lower Upper

99 100

42 17.0 14.1 21.1

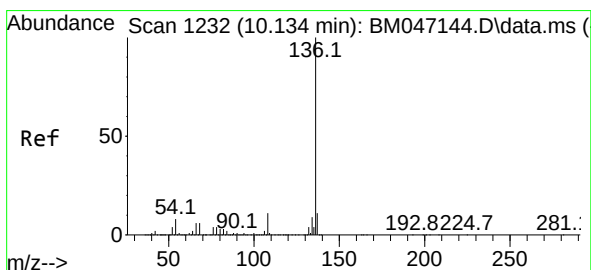
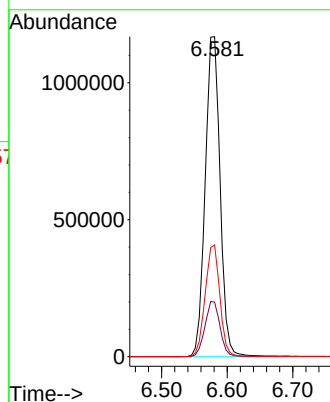
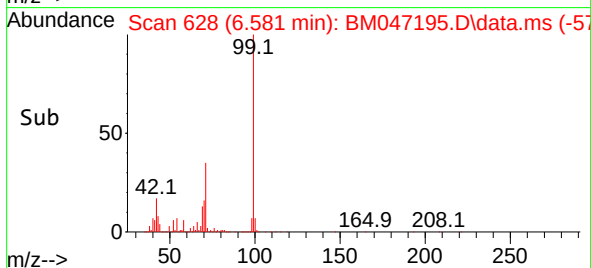
71 34.9 28.5 42.7

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.122 min Scan# 1230

Delta R.T. -0.012 min

Lab File: BM047195.D

Acq: 14 Aug 2024 17:31

Tgt Ion:136 Resp: 1322790

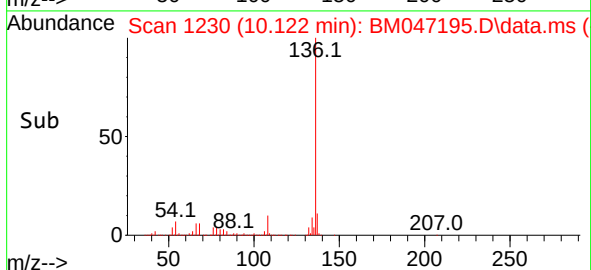
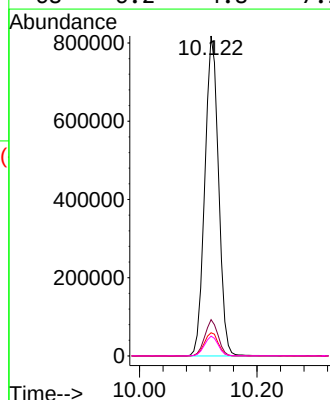
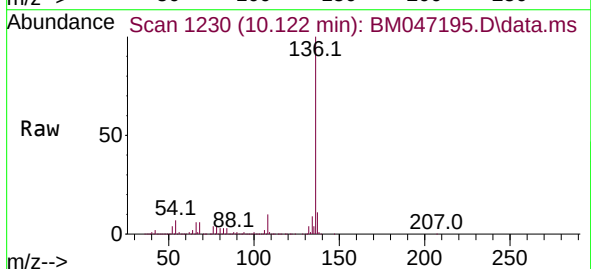
Ion Ratio Lower Upper

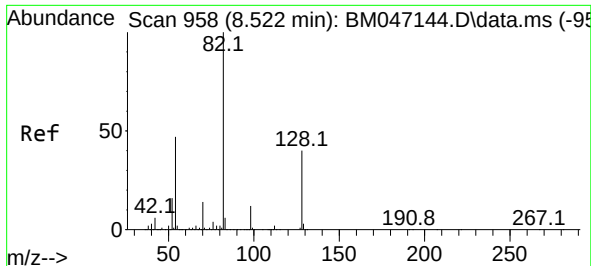
136 100

137 11.3 8.8 13.2

54 7.3 6.0 9.0

68 6.2 4.8 7.2





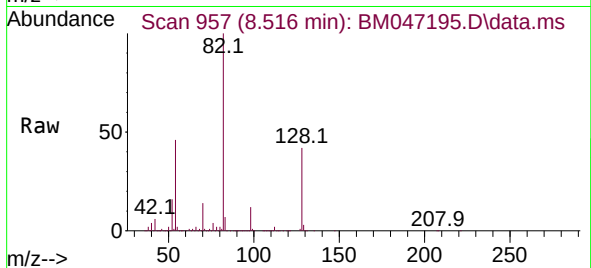
#23
Nitrobenzene-d5
Concen: 46.654 ng
RT: 8.516 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM047195.D
Acq: 14 Aug 2024 17:31

Instrument :

BNA_M

ClientSampleId :

OU4-TS-17-080724



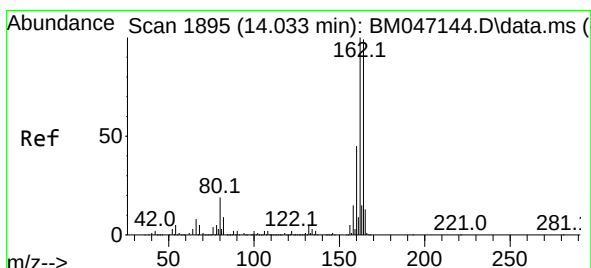
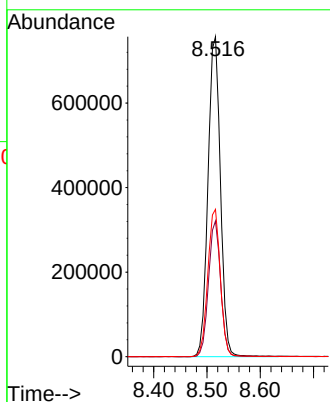
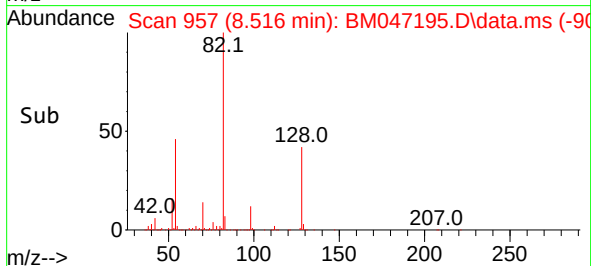
Tgt Ion: 82 Resp: 122561
Ion Ratio Lower Upper
82 100
128 42.4 32.3 48.5
54 46.0 37.4 56.2

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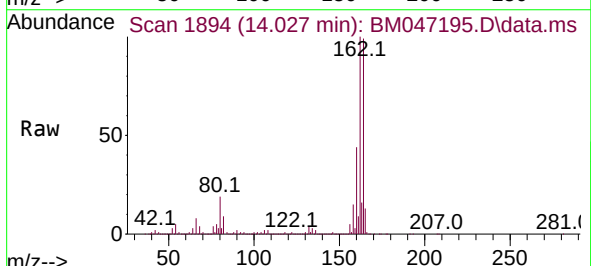
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Reviewed By :Yogesh Patel 08/15/2024

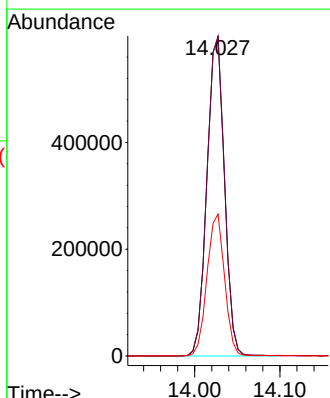
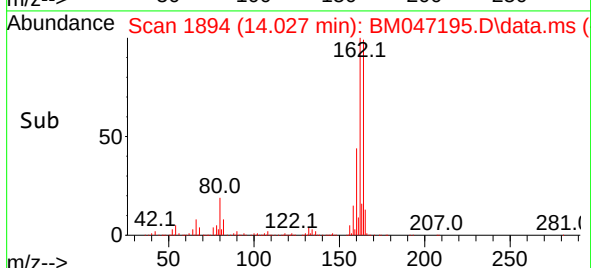
Supervised By :mohammad ahmed 08/16/2024

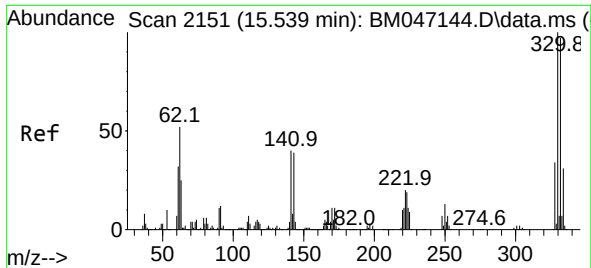


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.027 min Scan# 1894
Delta R.T. -0.006 min
Lab File: BM047195.D
Acq: 14 Aug 2024 17:31



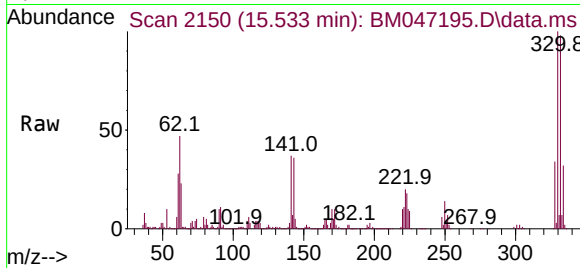
Tgt Ion:164 Resp: 855111
Ion Ratio Lower Upper
164 100
162 100.5 80.7 121.1
160 44.6 36.0 54.0





#42
2,4,6-Tribromophenol
Concen: 72.188 ng
RT: 15.533 min Scan# 2151
Delta R.T. -0.006 min
Lab File: BM047195.D
Acq: 14 Aug 2024 17:31

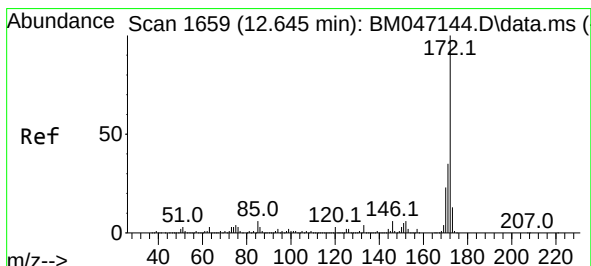
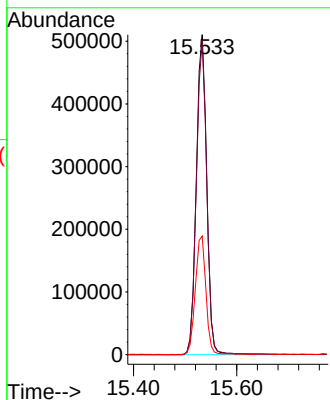
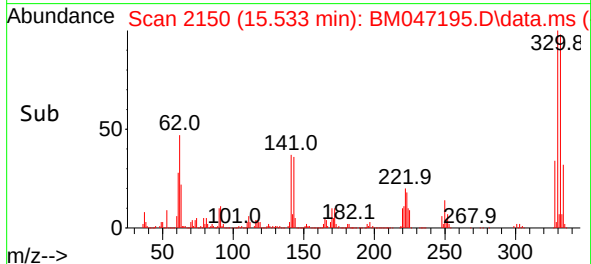
Instrument :
BNA_M
ClientSampleId :
OU4-TS-17-080724



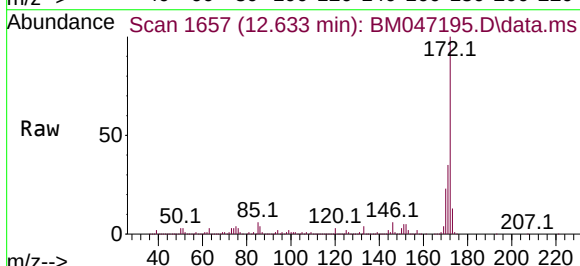
Tgt Ion:330 Resp: 71575
Ion Ratio Lower Upper
330 100
332 97.1 77.4 116.2
141 37.6 31.6 47.4

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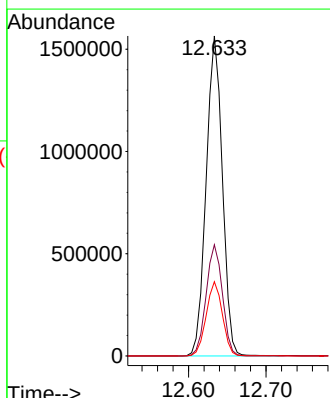
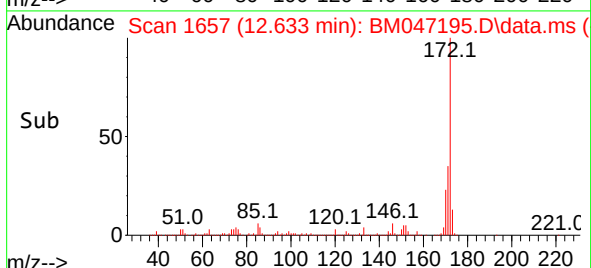
Reviewed By :Yogesh Patel 08/15/2024
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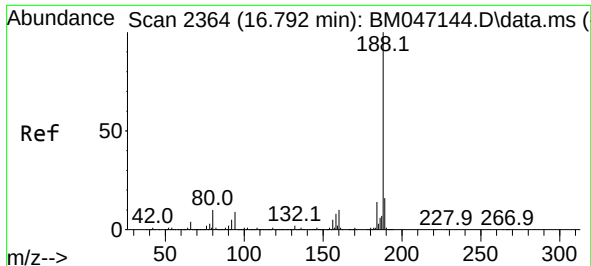


#45
2-Fluorobiphenyl
Concen: 41.048 ng
RT: 12.633 min Scan# 1657
Delta R.T. -0.012 min
Lab File: BM047195.D
Acq: 14 Aug 2024 17:31



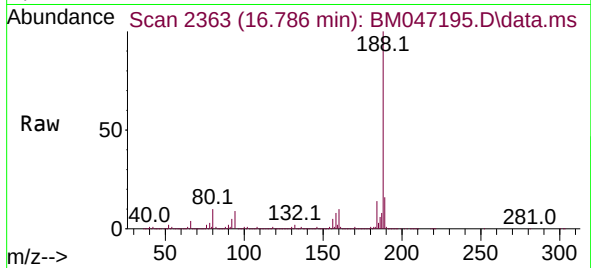
Tgt Ion:172 Resp: 2275500
Ion Ratio Lower Upper
172 100
171 34.7 27.8 41.6
170 23.2 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.786 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047195.D
Acq: 14 Aug 2024 17:31

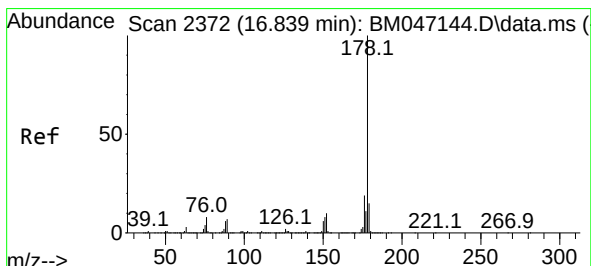
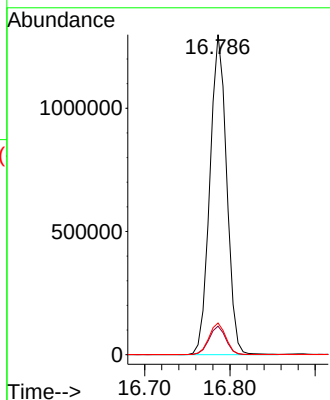
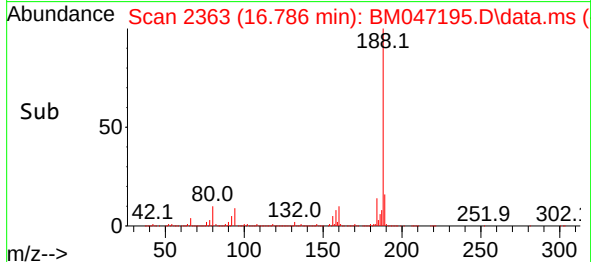
Instrument :
BNA_M
ClientSampleId :
OU4-TS-17-080724



Tgt Ion:188 Resp: 1776992
Ion Ratio Lower Upper
188 100
94 8.9 7.0 10.6
80 9.9 8.0 12.0

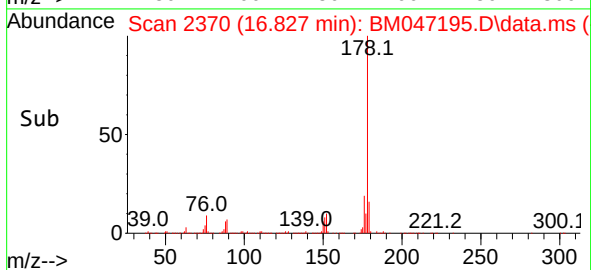
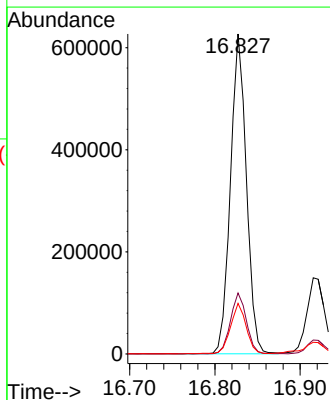
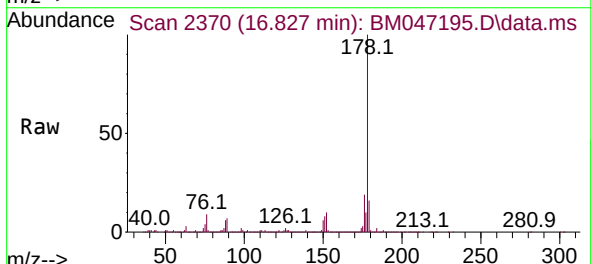
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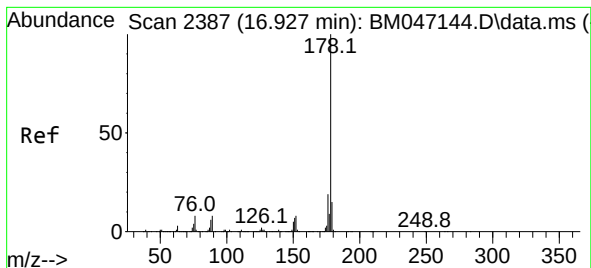
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#71
Phenanthrene
Concen: 9.112 ng
RT: 16.827 min Scan# 2370
Delta R.T. -0.012 min
Lab File: BM047195.D
Acq: 14 Aug 2024 17:31

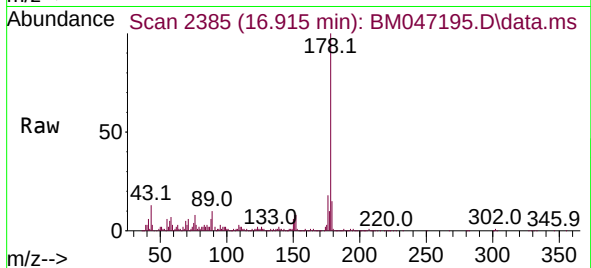
Tgt Ion:178 Resp: 812642
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.8 12.4 18.6





#72
Anthracene
Concen: 2.439 ng
RT: 16.915 min Scan# 21167
Delta R.T. -0.012 min
Lab File: BM047195.D
Acq: 14 Aug 2024 17:31

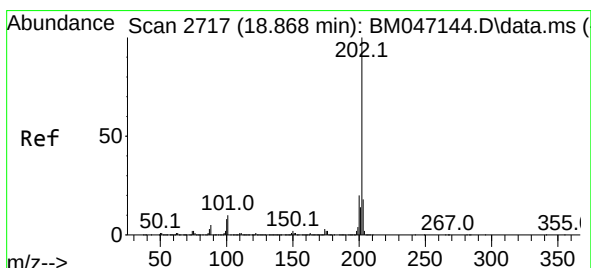
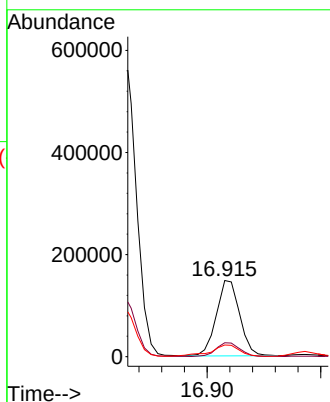
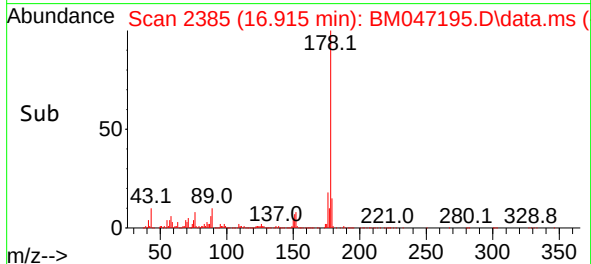
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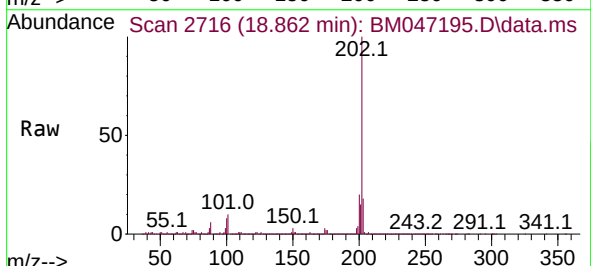
Tgt Ion:178 Resp: 21167
Ion Ratio Lower Upper
178 100
176 18.2 14.8 22.2
179 15.4 12.4 18.6

Manual Integrations
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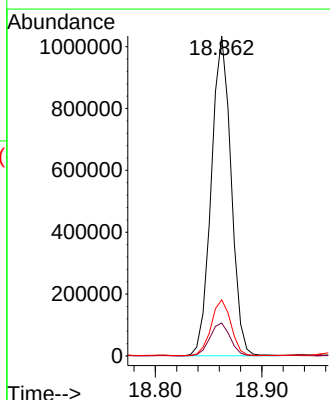
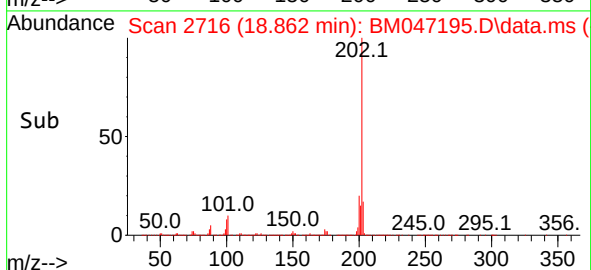
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

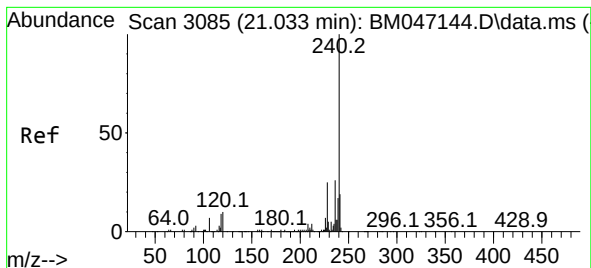


#75
Fluoranthene
Concen: 12.318 ng
RT: 18.862 min Scan# 2716
Delta R.T. -0.006 min
Lab File: BM047195.D
Acq: 14 Aug 2024 17:31



Tgt Ion:202 Resp: 1336179
Ion Ratio Lower Upper
202 100
101 10.3 0.0 30.2
203 17.6 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.021 min Scan# 3085

Delta R.T. -0.012 min

Lab File: BM047195.D

Acq: 14 Aug 2024 17:31

Instrument :

BNA_M

ClientSampleId :

OU4-TS-17-080724

Tgt Ion:240 Resp: 136768

Ion Ratio Lower Upper

240 100

120 10.8 8.2 12.2

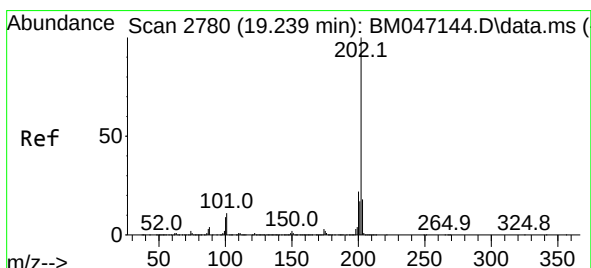
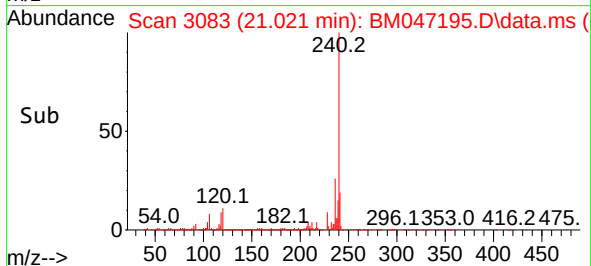
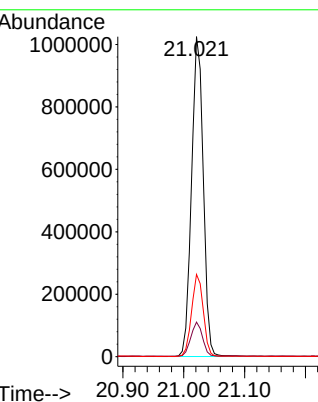
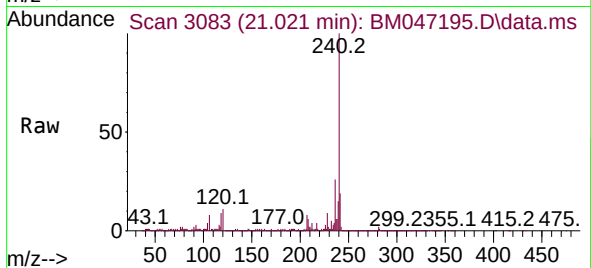
236 25.7 20.6 30.8

Manual Integrations

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Reviewed By :Yogesh Patel 08/15/2024

Supervised By :mohammad ahmed 08/16/2024



#78

Pyrene

Concen: 12.259 ng

RT: 19.227 min Scan# 2778

Delta R.T. -0.012 min

Lab File: BM047195.D

Acq: 14 Aug 2024 17:31

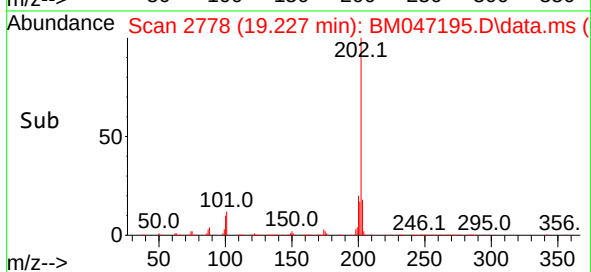
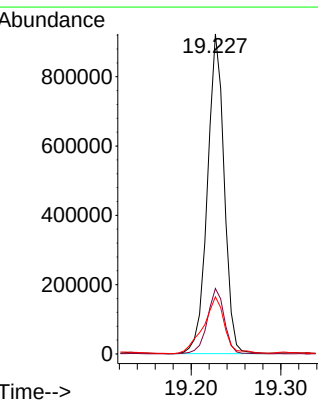
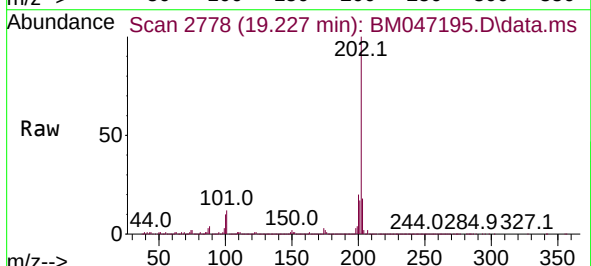
Tgt Ion:202 Resp: 1197192

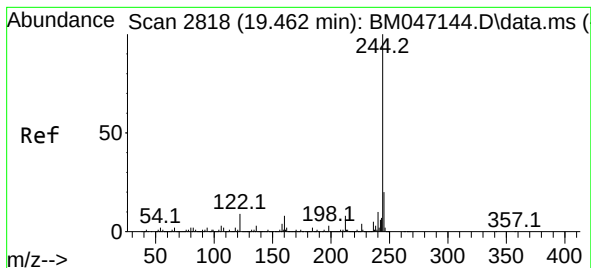
Ion Ratio Lower Upper

202 100

200 20.4 17.2 25.8

203 17.9 14.2 21.2





#79

Terphenyl-d14

Concen: 46.742 ng

RT: 19.451 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM047195.D

Acq: 14 Aug 2024 17:31

Instrument :

BNA_M

ClientSampleId :

OU4-TS-17-080724

Tgt Ion:244 Resp: 2983474

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.4

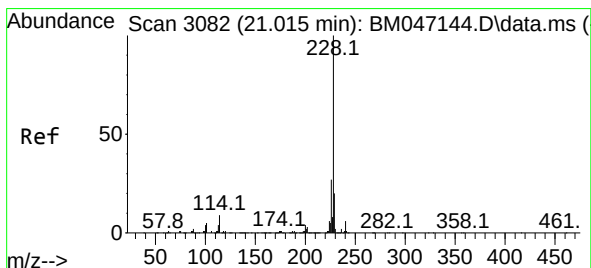
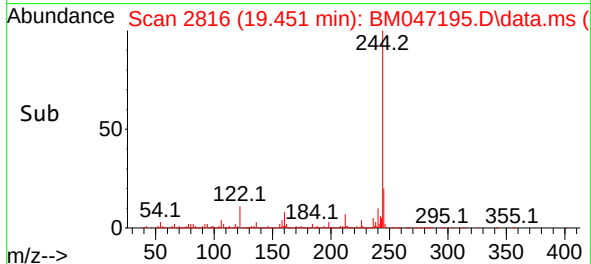
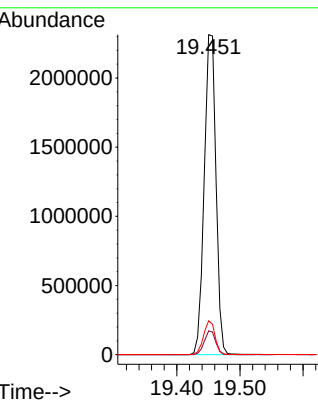
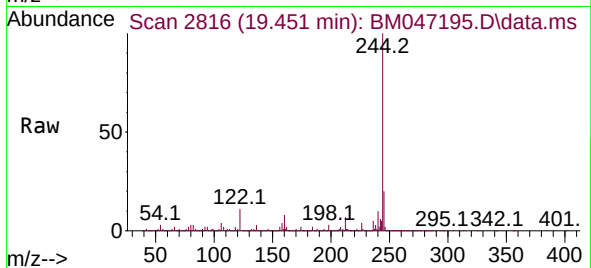
122 10.6 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/15/2024

Supervised By :mohammad ahmed 08/16/2024



#81

Benzo(a)anthracene

Concen: 5.578 ng

RT: 21.003 min Scan# 3080

Delta R.T. -0.012 min

Lab File: BM047195.D

Acq: 14 Aug 2024 17:31

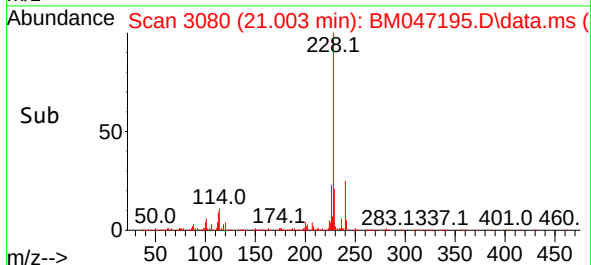
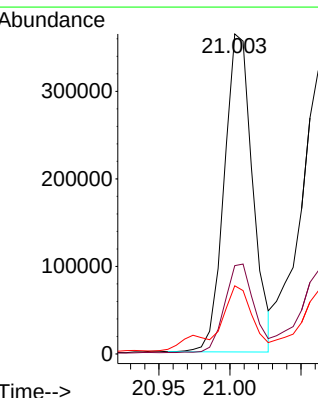
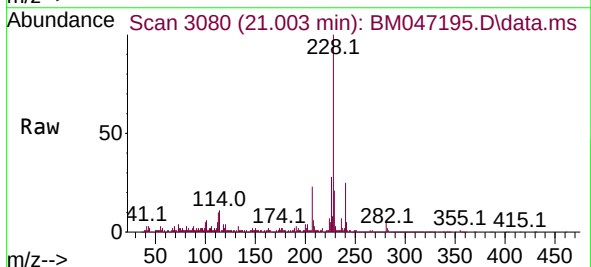
Tgt Ion:228 Resp: 506451

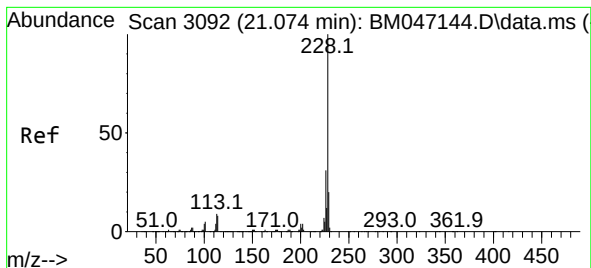
Ion Ratio Lower Upper

228 100

226 27.6 21.8 32.6

229 21.3 15.8 23.8





#83

Chrysene

Concen: 5.824 ng m

RT: 21.062 min Scan# 3092

Delta R.T. -0.012 min

Lab File: BM047195.D

Acq: 14 Aug 2024 17:31

Instrument :

BNA_M

ClientSampleId :

OU4-TS-17-080724

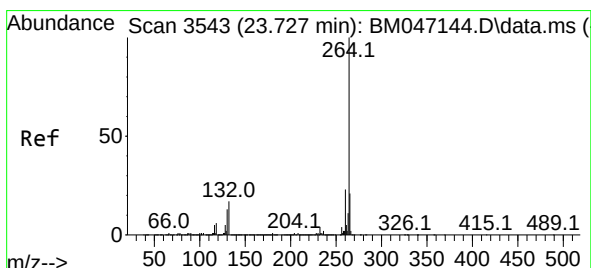
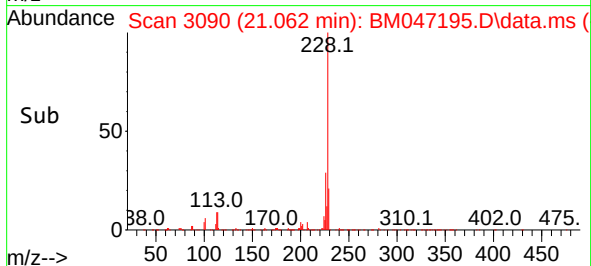
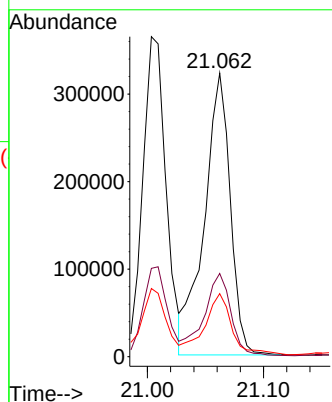
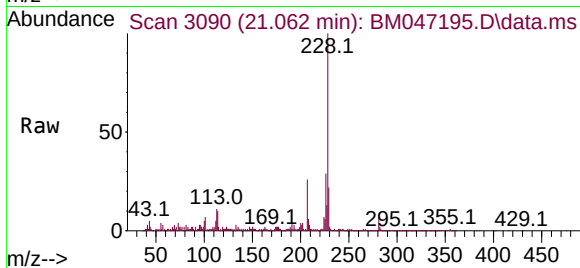
Tgt Ion:	228	Resp:	50170
Ion Ratio	Lower	Upper	
228	100		
226	29.4	24.4	36.6
229	22.2	15.7	23.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/15/2024

Supervised By :mohammad ahmed 08/16/2024



#86

Perylene-d12

Concen: 20.000 ng

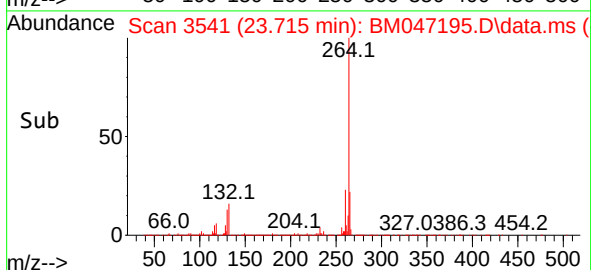
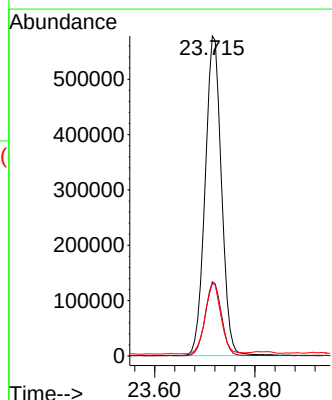
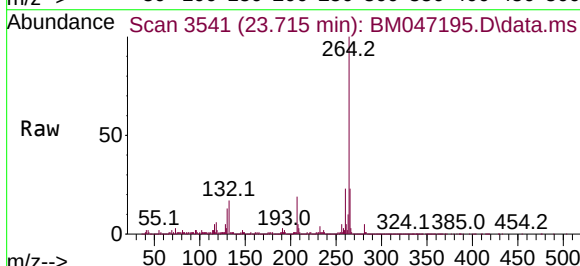
RT: 23.715 min Scan# 3541

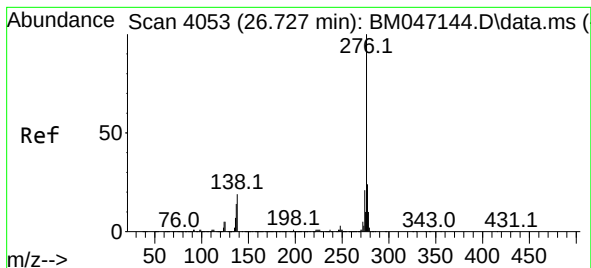
Delta R.T. -0.012 min

Lab File: BM047195.D

Acq: 14 Aug 2024 17:31

Tgt Ion:	264	Resp:	1306766
Ion Ratio	Lower	Upper	
264	100		
260	23.2	18.5	27.7
265	22.7	17.3	25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.922 ng

RT: 26.697 min Scan# 4053

Delta R.T. -0.030 min

Lab File: BM047195.D

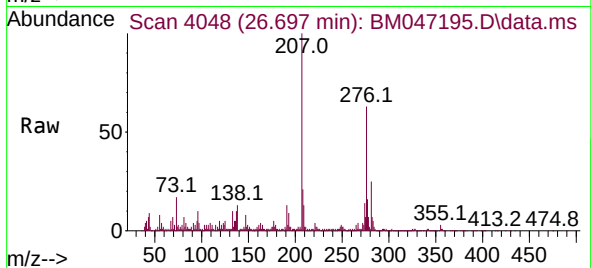
Acq: 14 Aug 2024 17:31

Instrument :

BNA_M

ClientSampleId :

OU4-TS-17-080724



Tgt Ion:276 Resp: 246814

Ion Ratio Lower Upper

276 100

138 21.8 19.4 29.0

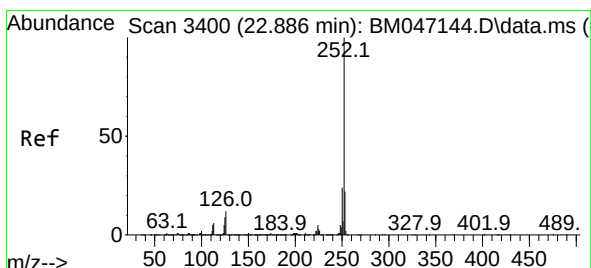
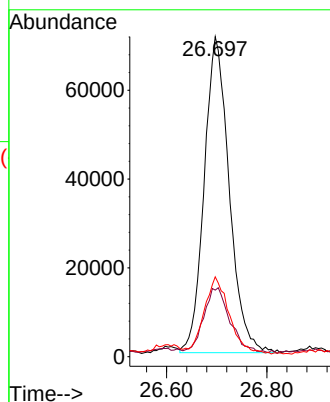
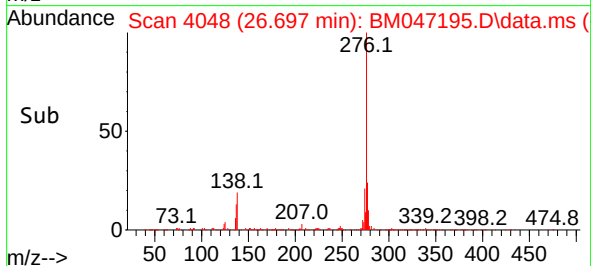
277 24.3 20.1 30.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/15/2024

Supervised By :mohammad ahmed 08/16/2024



#88

Benzo(b)fluoranthene

Concen: 7.062 ng

RT: 22.874 min Scan# 3398

Delta R.T. -0.012 min

Lab File: BM047195.D

Acq: 14 Aug 2024 17:31

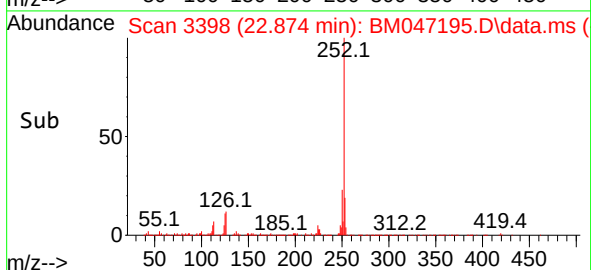
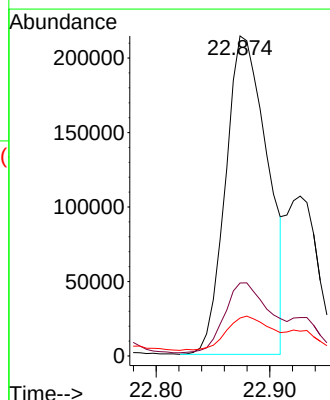
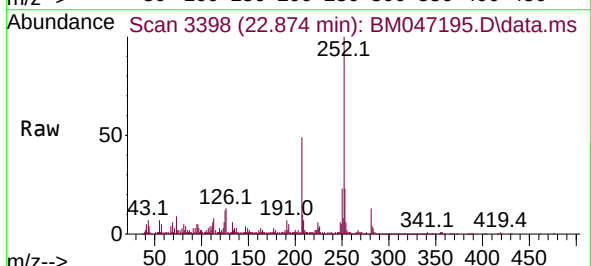
Tgt Ion:252 Resp: 548033

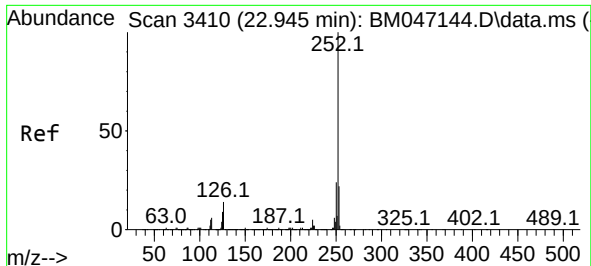
Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.6

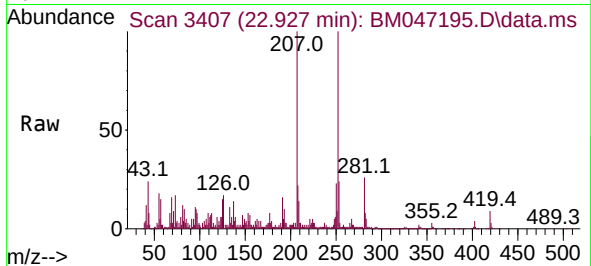
125 11.8 7.4 11.0#





#89
Benzo(k)fluoranthene
Concen: 2.848 ng m
RT: 22.927 min Scan# 3410
Delta R.T. -0.018 min
Lab File: BM047195.D
Acq: 14 Aug 2024 17:31

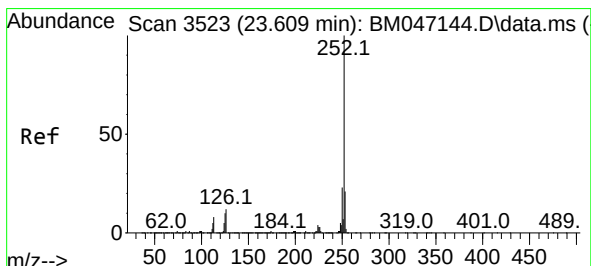
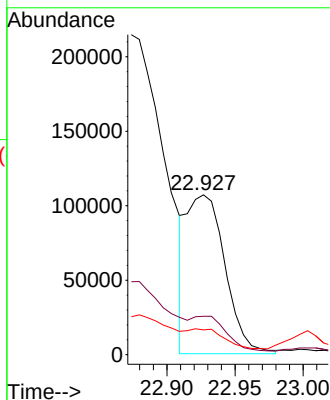
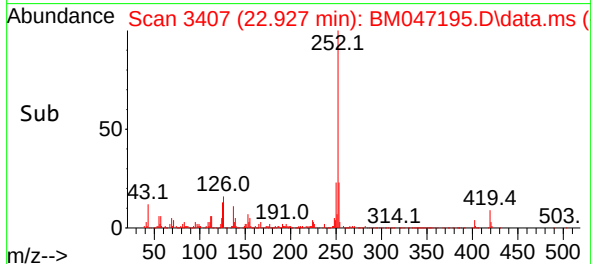
Instrument :
BNA_M
ClientSampleId :
OU4-TS-17-080724



Tgt Ion:252 Resp: 208789
Ion Ratio Lower Upper
252 100
253 24.1 17.7 26.5
125 15.5 7.4 11.2

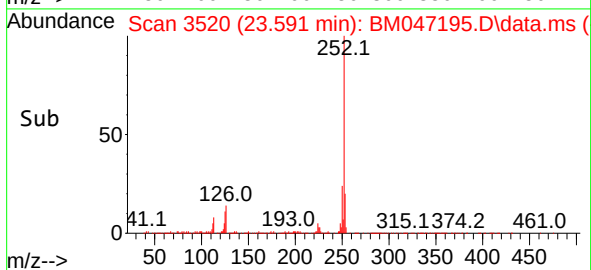
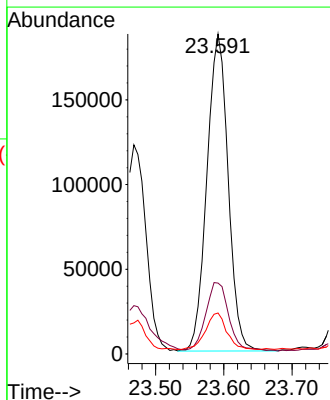
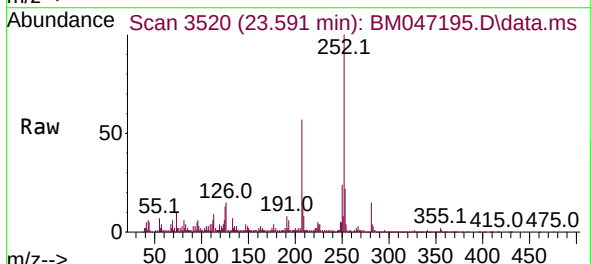
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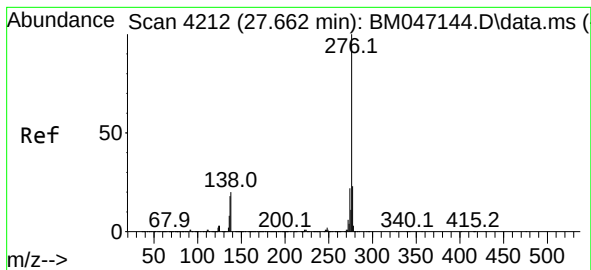
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#90
Benzo(a)pyrene
Concen: 6.042 ng
RT: 23.591 min Scan# 3520
Delta R.T. -0.018 min
Lab File: BM047195.D
Acq: 14 Aug 2024 17:31

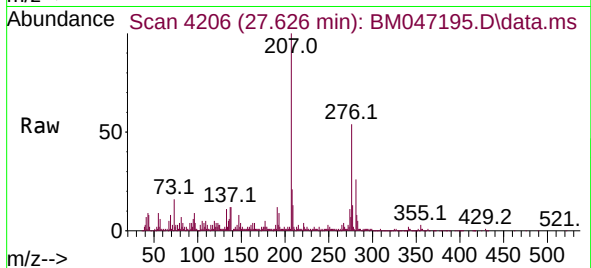
Tgt Ion:252 Resp: 406147
Ion Ratio Lower Upper
252 100
253 22.1 17.1 25.7
125 12.8 8.2 12.2





#92
 Benzo(g,h,i)perylene
 Concen: 3.424 ng
 RT: 27.626 min Scan# 41
 Delta R.T. -0.035 min
 Lab File: BM047195.D
 Acq: 14 Aug 2024 17:31

Instrument :
 BNA_M
 ClientSampleId :
 OU4-TS-17-080724



Tgt Ion:	276	Resp:	243024
Ion Ratio	Lower	Upper	
276	100		
277	24.4	18.8	28.2
138	22.5	16.2	24.4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/15/2024
 Supervised By :mohammad ahmed 08/16/2024

