

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082824\
 Data File : BM047383.D
 Acq On : 28 Aug 2024 16:25
 Operator : RC/JU
 Sample : P3737-04DL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 COMP-4DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/29/2024
 Supervised By :mohammad ahmed 08/30/2024

Quant Time: Aug 28 17:08:45 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 26 18:11:40 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.345	152	303355	20.000	ng	0.00
21) Naphthalene-d8	10.104	136	1156094	20.000	ng	0.00
39) Acenaphthene-d10	14.010	164	759950	20.000	ng	0.00
64) Phenanthrene-d10	16.780	188	1503788	20.000	ng	0.00
76) Chrysene-d12	21.027	240	979723	20.000	ng	0.00
86) Perylene-d12	23.727	264	1090363	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.010	112	311902	19.726	ng	0.00
7) Phenol-d6	6.569	99	418330	19.421	ng	0.00
23) Nitrobenzene-d5	8.498	82	270560	12.985	ng	0.00
42) 2,4,6-Tribromophenol	15.527	330	178449	19.463	ng	0.00
45) 2-Fluorobiphenyl	12.616	172	640585	12.952	ng	0.00
79) Terphenyl-d14	19.445	244	789243	14.339	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	13.727	152	196238	3.247	ng	100
58) Fluorene	15.074	166	115476	2.309	ng	97
71) Phenanthrene	16.821	178	1758916	24.085	ng	100
72) Anthracene	16.909	178	459714	6.457	ng	99
73) Carbazole	17.198	167	151870	2.223	ng	99
75) Fluoranthene	18.862	202	3316459	38.675	ng	100
78) Pyrene	19.227	202	2933138	39.035	ng	100
81) Benzo(a)anthracene	21.009	228	1471699	23.035	ng	98
83) Chrysene	21.062	228	1333066	22.181	ng	98
84) Bis(2-ethylhexyl)phtha...	20.956	149	101390	2.440	ng	99
87) Indeno(1,2,3-cd)pyrene	26.726	276	1082118	15.854	ng	97
88) Benzo(b)fluoranthene	22.886	252	1933221	30.390	ng	99
89) Benzo(k)fluoranthene	22.933	252	777678m	12.896	ng	
90) Benzo(a)pyrene	23.603	252	1357797	24.682	ng	99
91) Dibenzo(a,h)anthracene	26.756	278	298544	5.399	ng	# 91
92) Benzo(g,h,i)perylene	27.662	276	1075774	18.714	ng	100

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

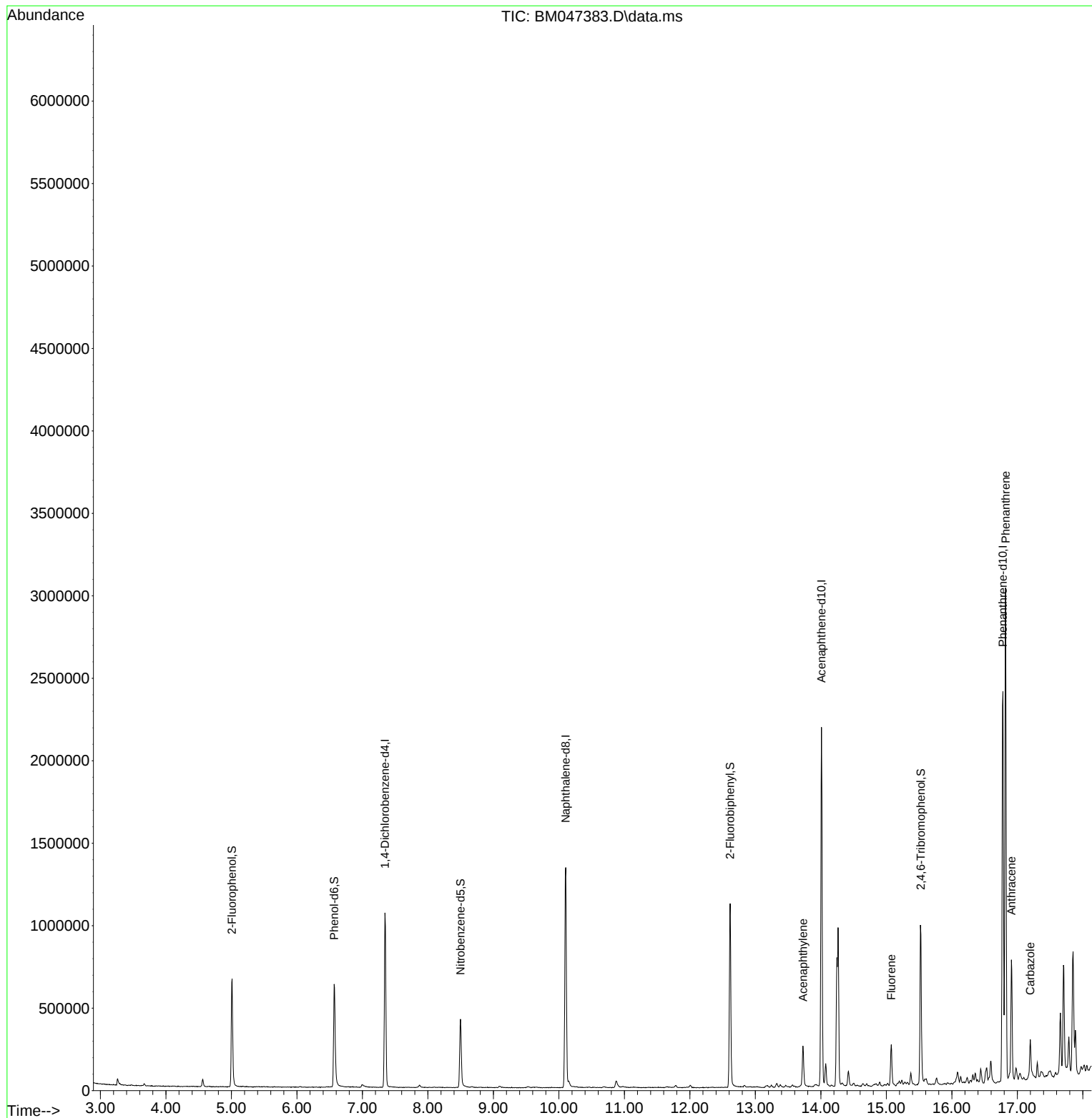
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082824\
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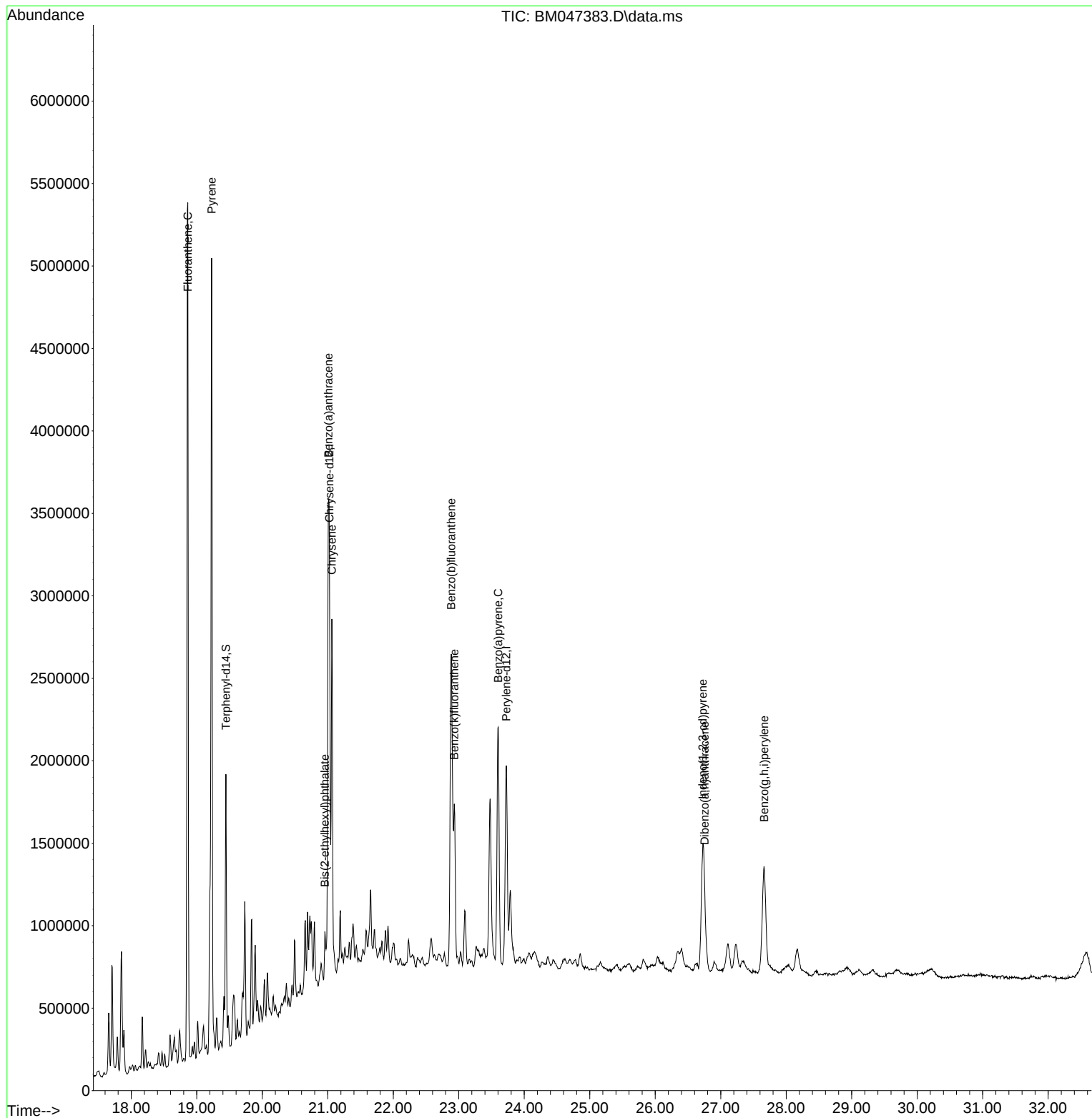
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Acq On : 28 Aug 2024 16:25
Operator : RC/JU
Sample : P3737-04DL 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

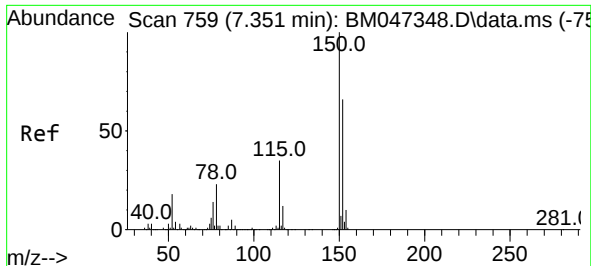
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ClientSampleId :
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Quant Time: Aug 28 17:08:45 2024
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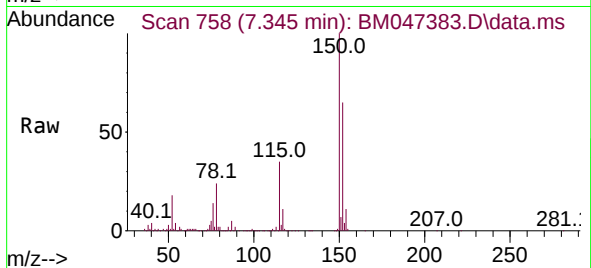
Reviewed By :Jagrut Upadhyay 08/29/2024
Supervised By :mohammad ahmed 08/30/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.345 min Scan# 70
Delta R.T. -0.006 min
Lab File: BM047383.D
Acq: 28 Aug 2024 16:25

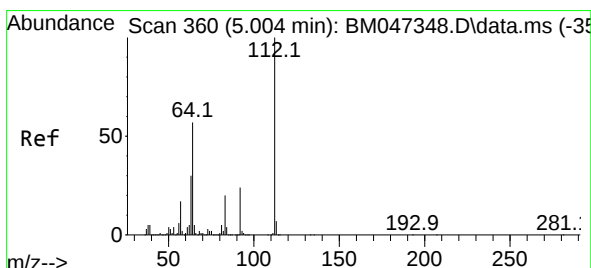
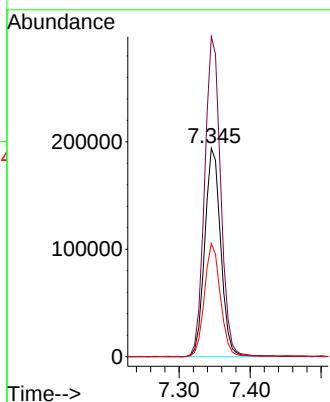
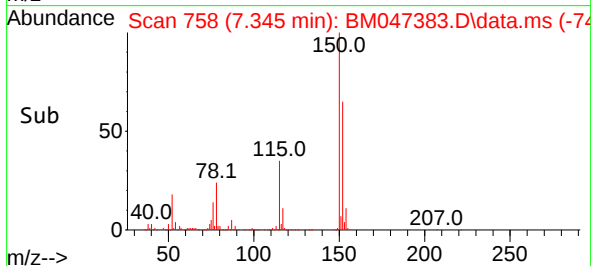
Instrument :
BNA_M
ClientSampleId :
COMP-4DL



Tgt Ion:152 Resp: 30335
Ion Ratio Lower Upper
152 100
150 153.4 121.3 181.9
115 54.2 42.6 64.0

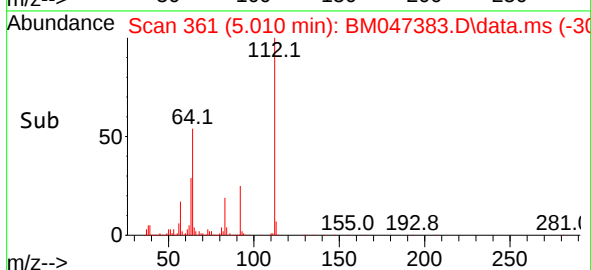
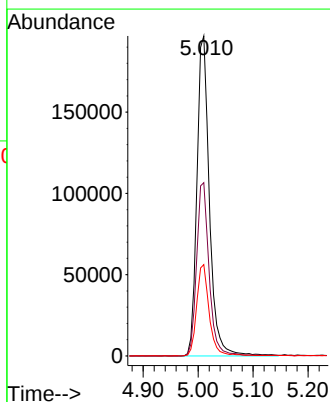
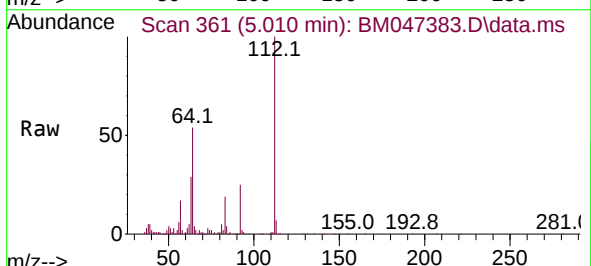
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#5
2-Fluorophenol
Concen: 19.726 ng
RT: 5.010 min Scan# 361
Delta R.T. 0.006 min
Lab File: BM047383.D
Acq: 28 Aug 2024 16:25

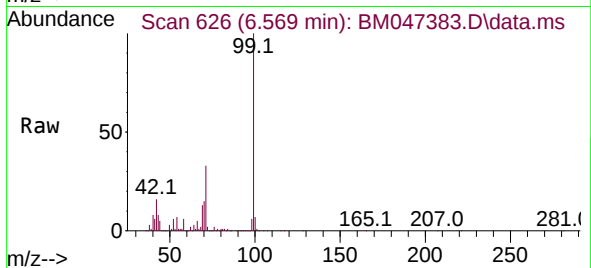
Tgt Ion:112 Resp: 311902
Ion Ratio Lower Upper
112 100
64 54.1 45.7 68.5
63 28.5 23.8 35.8





#7
Phenol-d6
Concen: 19.421 ng
RT: 6.569 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM047383.D
Acq: 28 Aug 2024 16:25

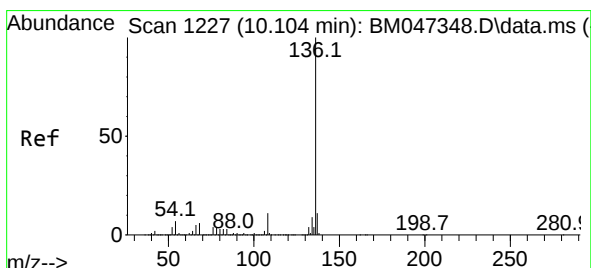
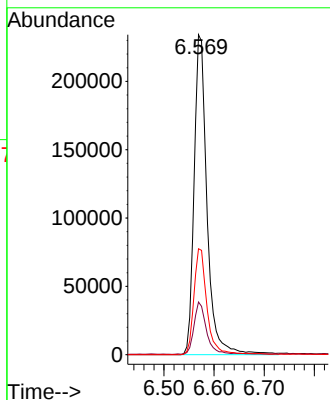
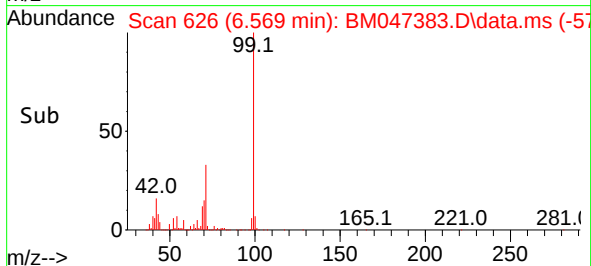
Instrument :
BNA_M
ClientSampleId :
COMP-4DL



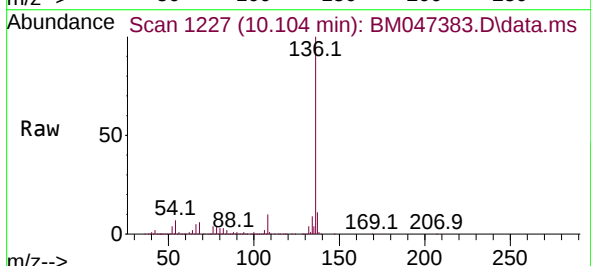
Tgt Ion: 99 Resp: 418330
Ion Ratio Lower Upper
99 100
42 16.5 13.0 19.4
71 33.1 27.5 41.3

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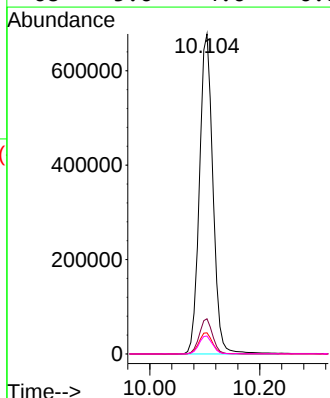
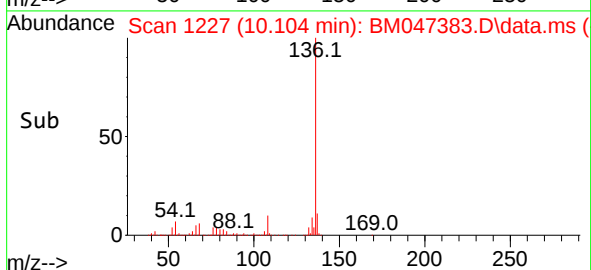
Reviewed By :Jagrut Upadhyay 08/29/2024
Supervised By :mohammad ahmed 08/30/2024

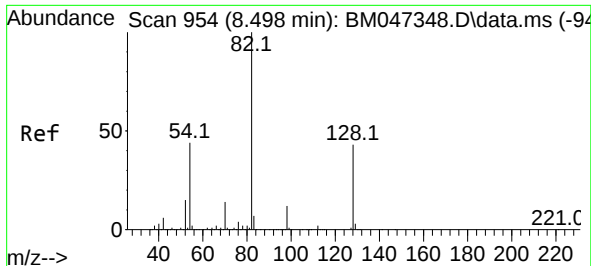


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.104 min Scan# 1227
Delta R.T. -0.000 min
Lab File: BM047383.D
Acq: 28 Aug 2024 16:25



Tgt Ion:136 Resp: 1156094
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 6.6 5.2 7.8
68 5.6 4.6 6.8





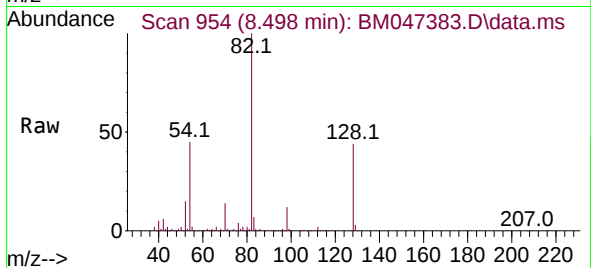
#23
Nitrobenzene-d5
Concen: 12.985 ng
RT: 8.498 min Scan# 954
Delta R.T. 0.000 min
Lab File: BM047383.D
Acq: 28 Aug 2024 16:25

Instrument :

BNA_M

ClientSampleId :

COMP-4DL

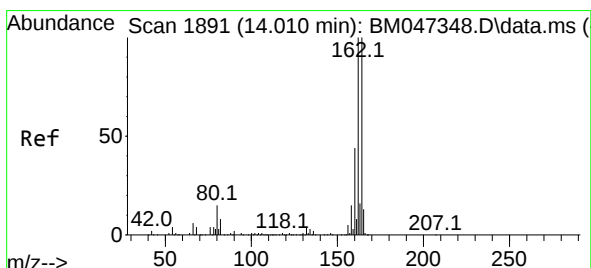
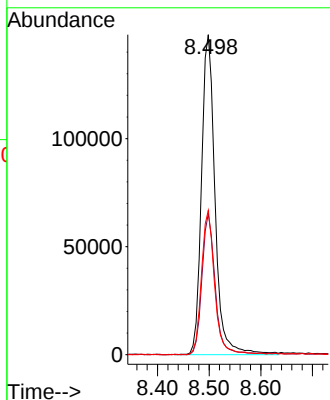
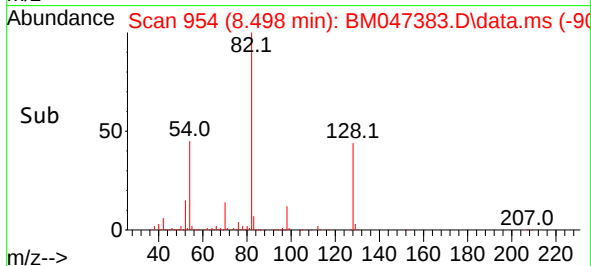


Tgt Ion: 82 Resp: 270560
Ion Ratio Lower Upper
82 100
128 44.1 34.6 51.8
54 45.1 35.5 53.3

Manual Integrations

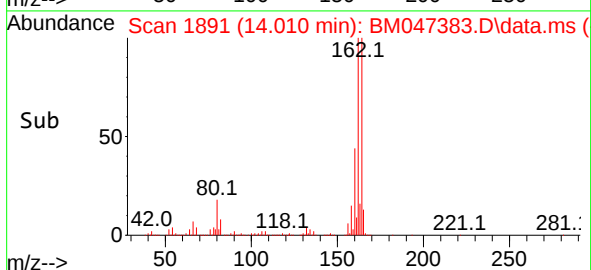
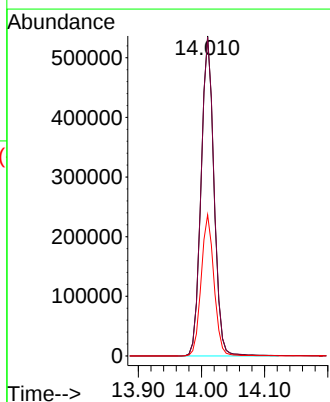
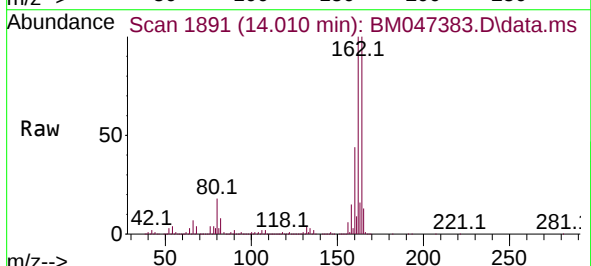
APPROVED

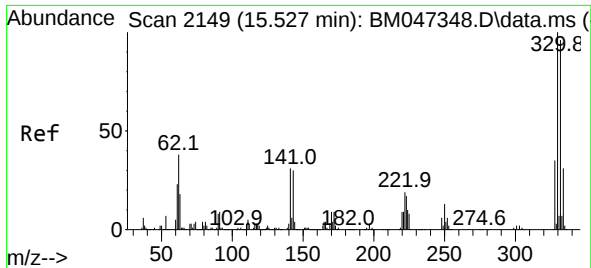
Reviewed By :Jagrut Upadhyay 08/29/2024
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.010 min Scan# 1891
Delta R.T. -0.000 min
Lab File: BM047383.D
Acq: 28 Aug 2024 16:25

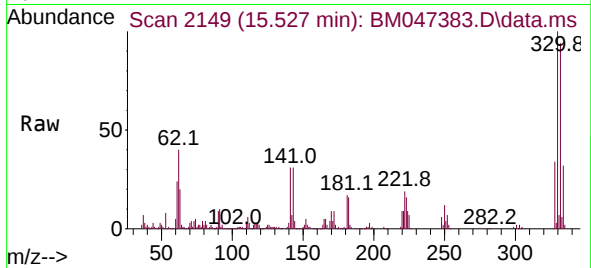
Tgt Ion:164 Resp: 759950
Ion Ratio Lower Upper
164 100
162 99.6 79.7 119.5
160 44.1 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 19.463 ng
RT: 15.527 min Scan# 2149
Delta R.T. 0.000 min
Lab File: BM047383.D
Acq: 28 Aug 2024 16:25

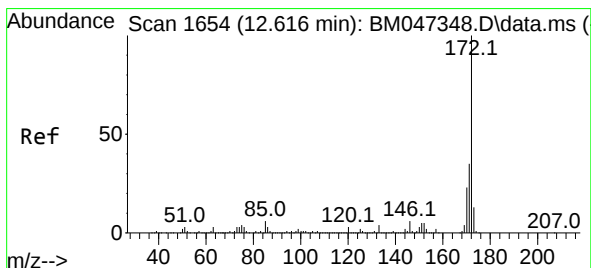
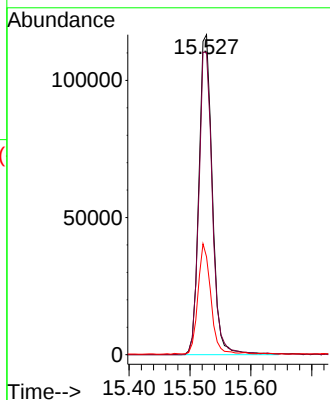
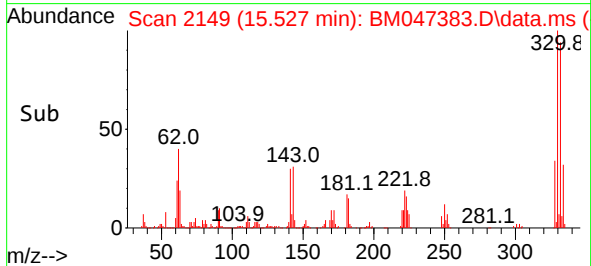
Instrument :
BNA_M
ClientSampleId :
COMP-4DL



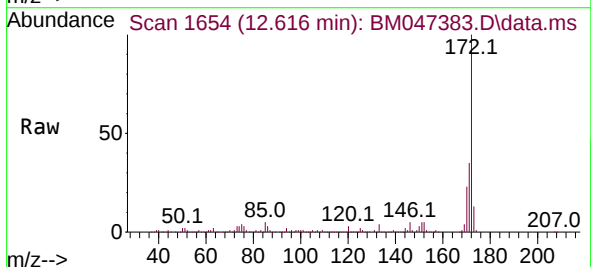
Tgt Ion:330 Resp: 178449
Ion Ratio Lower Upper
330 100
332 95.4 77.2 115.8
141 33.0 27.6 41.4

Manual Integrations
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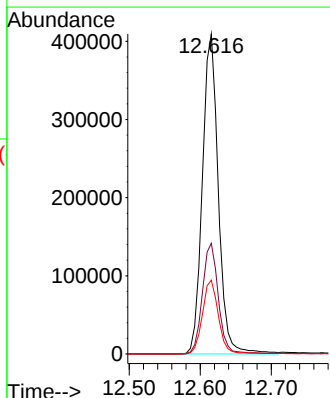
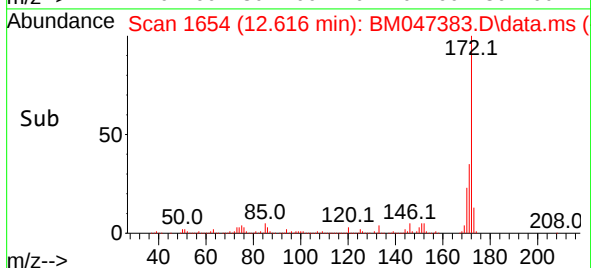
Reviewed By :Jagrut Upadhyay 08/29/2024
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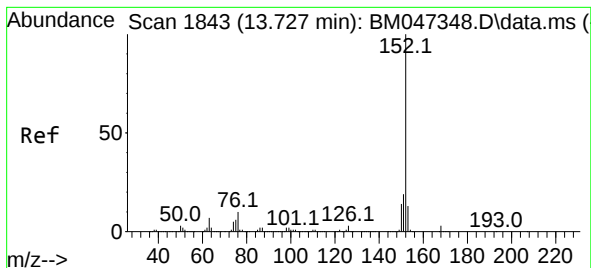


#45
2-Fluorobiphenyl
Concen: 12.952 ng
RT: 12.616 min Scan# 1654
Delta R.T. -0.000 min
Lab File: BM047383.D
Acq: 28 Aug 2024 16:25



Tgt Ion:172 Resp: 640585
Ion Ratio Lower Upper
172 100
171 34.6 27.8 41.6
170 23.0 18.5 27.7





#49

Acenaphthylene

Concen: 3.247 ng

RT: 13.727 min Scan# 1843

Delta R.T. 0.000 min

Lab File: BM047383.D

Acq: 28 Aug 2024 16:25

Instrument :

BNA_M

ClientSampleId :

COMP-4DL

Tgt Ion:152 Resp: 196238

Ion Ratio Lower Upper

152 100

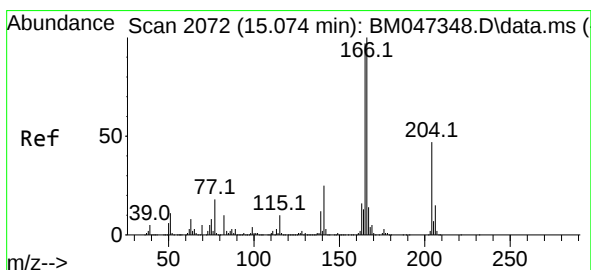
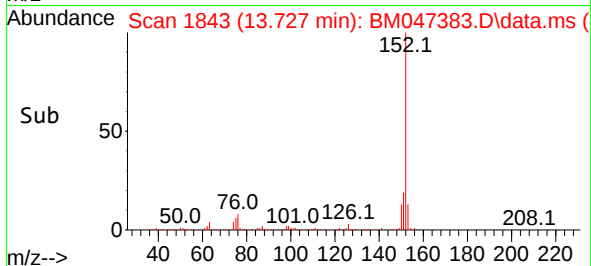
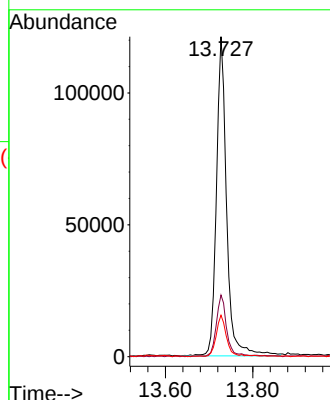
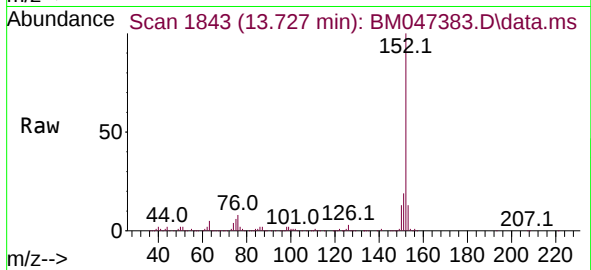
151 19.2 15.4 23.0

153 13.0 10.6 15.8

Manual Integrations

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#58

Fluorene

Concen: 2.309 ng

RT: 15.074 min Scan# 2072

Delta R.T. 0.000 min

Lab File: BM047383.D

Acq: 28 Aug 2024 16:25

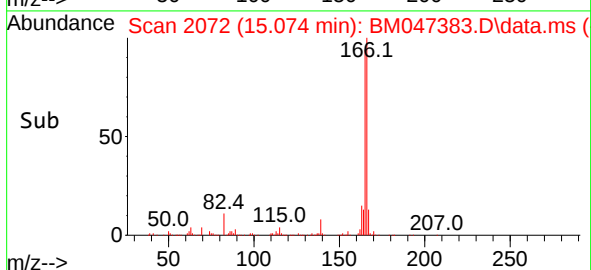
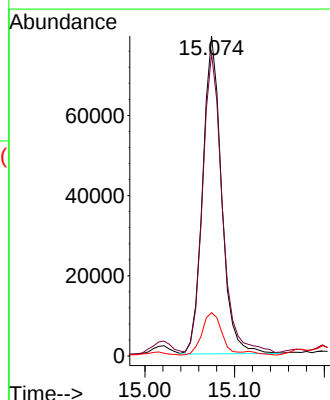
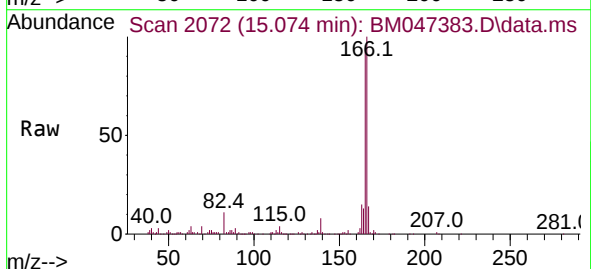
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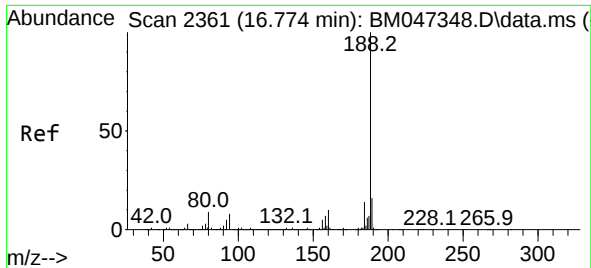
Ion Ratio Lower Upper

166 100

165 94.4 77.8 116.6

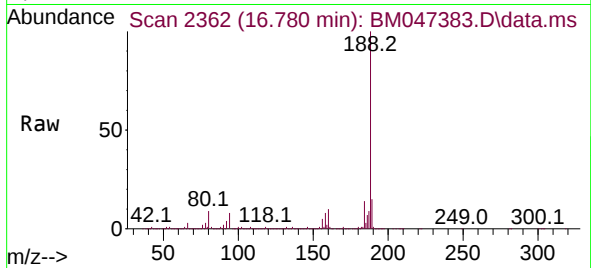
167 13.5 11.1 16.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.780 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM047383.D
Acq: 28 Aug 2024 16:25

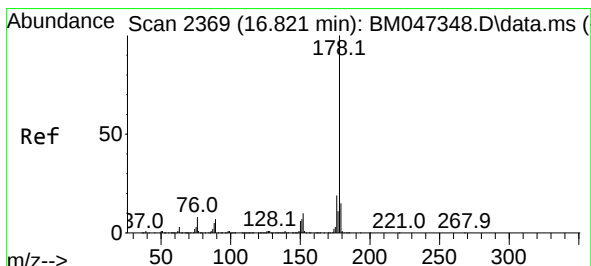
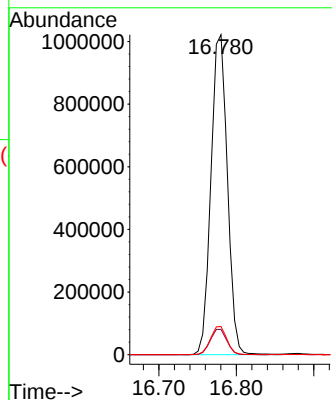
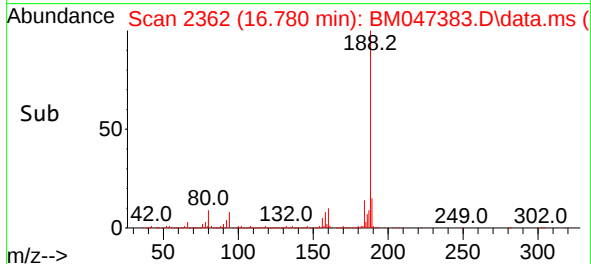
Instrument :
BNA_M
ClientSampleId :
COMP-4DL



Tgt Ion:188 Resp: 1503788
Ion Ratio Lower Upper
188 100
94 7.9 6.4 9.6
80 8.8 7.4 11.2

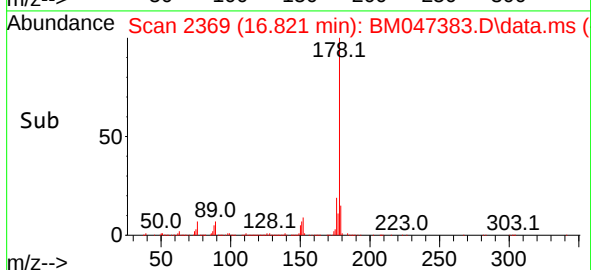
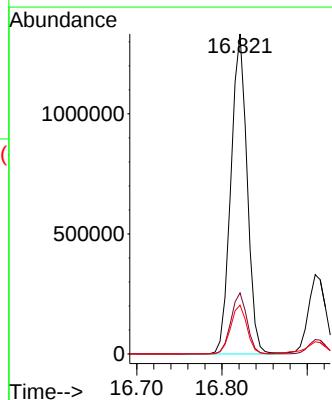
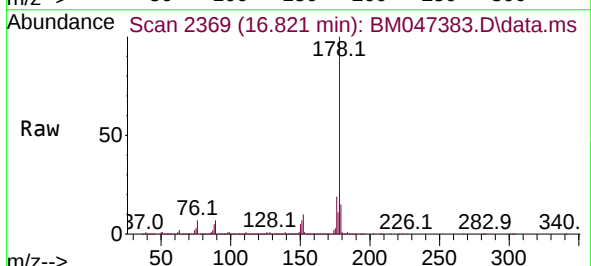
Manual Integrations
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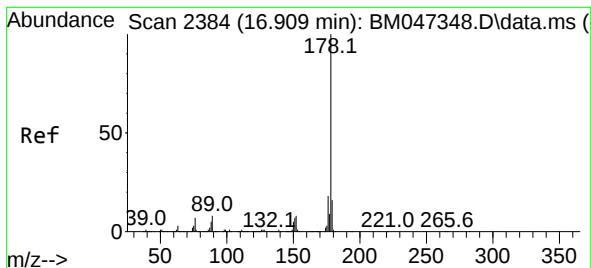
Reviewed By :Jagrut Upadhyay 08/29/2024
Supervised By :mohammad ahmed 08/30/2024



#71
Phenanthrene
Concen: 24.085 ng
RT: 16.821 min Scan# 2369
Delta R.T. 0.000 min
Lab File: BM047383.D
Acq: 28 Aug 2024 16:25

Tgt Ion:178 Resp: 1758916
Ion Ratio Lower Upper
178 100
176 19.1 15.2 22.8
179 15.3 12.2 18.4





#72

Anthracene

Concen: 6.457 ng

RT: 16.909 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM047383.D

Acq: 28 Aug 2024 16:25

Instrument :

BNA_M

ClientSampleId :

COMP-4DL

Tgt Ion:178 Resp: 459714

Ion Ratio Lower Upper

178 100

176 18.1 14.7 22.1

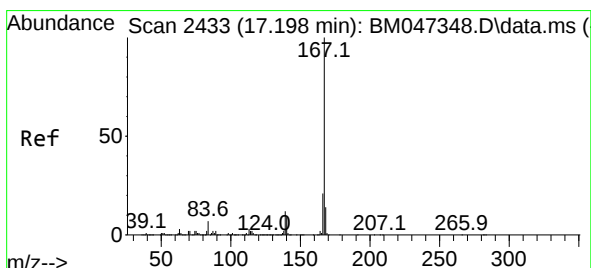
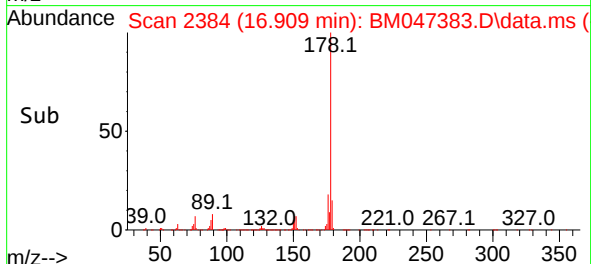
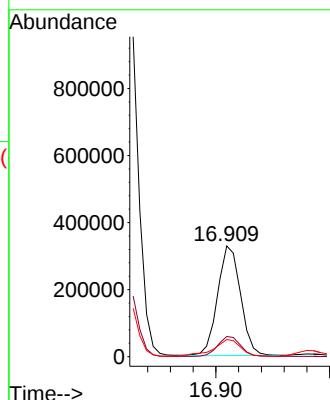
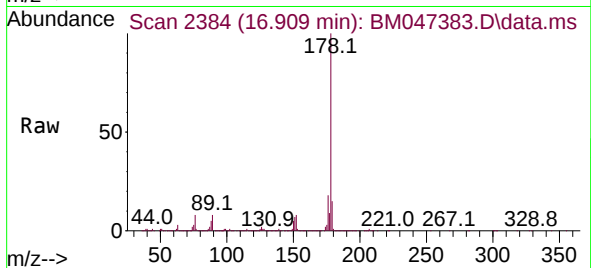
179 15.4 12.6 18.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/29/2024

Supervised By :mohammad ahmed 08/30/2024



#73

Carbazole

Concen: 2.223 ng

RT: 17.198 min Scan# 2433

Delta R.T. 0.000 min

Lab File: BM047383.D

Acq: 28 Aug 2024 16:25

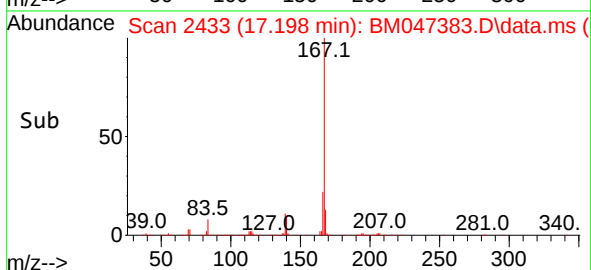
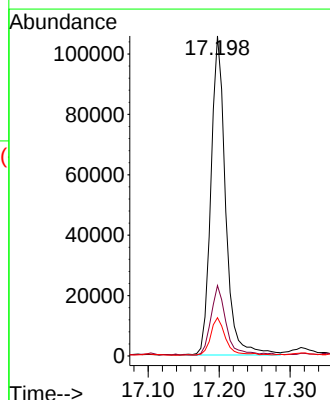
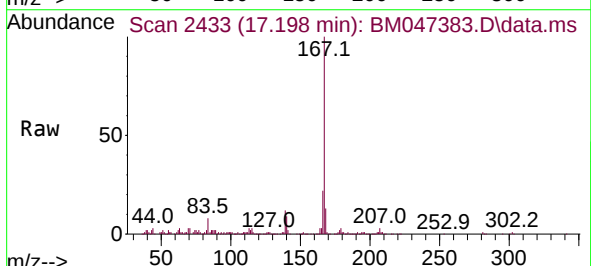
Tgt Ion:167 Resp: 151870

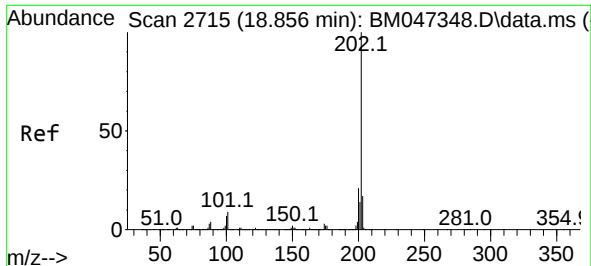
Ion Ratio Lower Upper

167 100

166 22.0 16.9 25.3

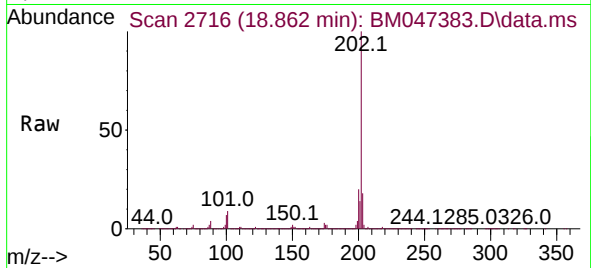
139 11.9 9.5 14.3





#75
Fluoranthene
Concen: 38.675 ng
RT: 18.862 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM047383.D
Acq: 28 Aug 2024 16:25

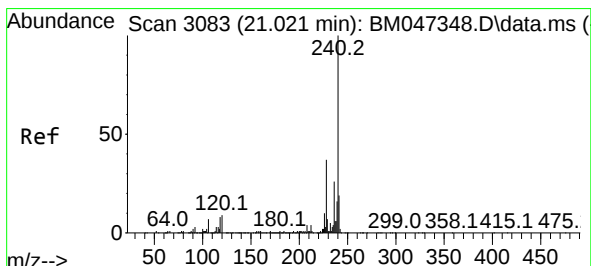
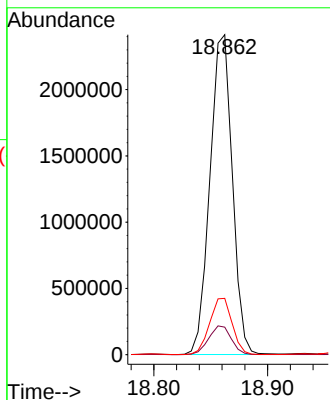
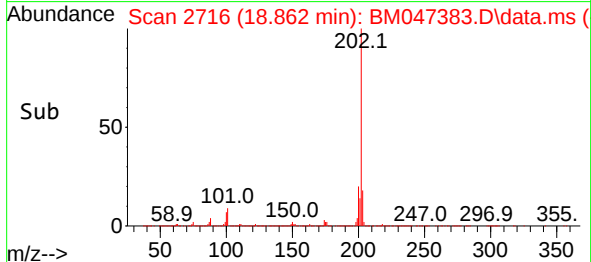
Instrument :
BNA_M
ClientSampleId :
COMP-4DL



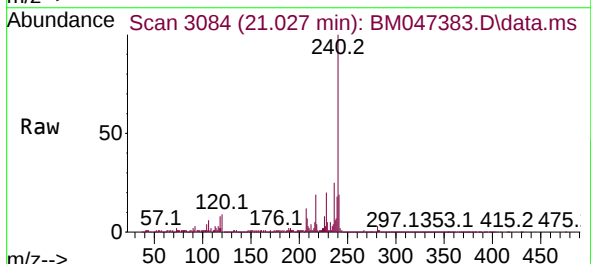
Tgt Ion:202 Resp: 331645
Ion Ratio Lower Upper
202 100
101 8.6 0.0 29.0
203 17.6 0.0 37.5

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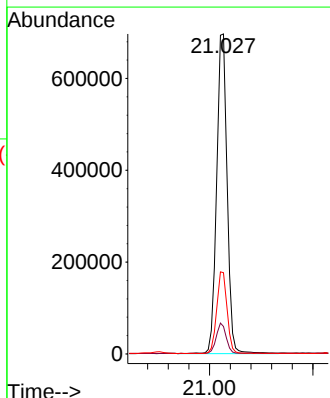
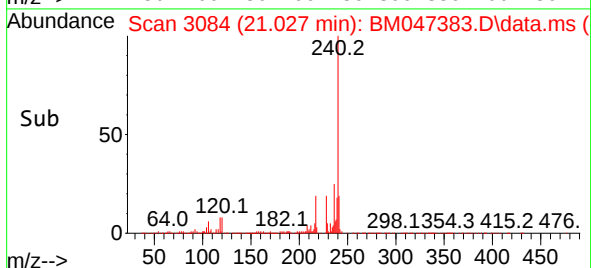
Reviewed By :Jagrut Upadhyay 08/29/2024
Supervised By :mohammad ahmed 08/30/2024

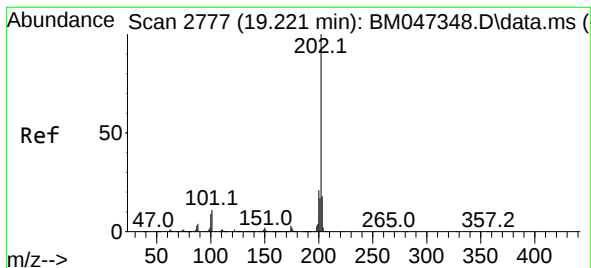


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.027 min Scan# 3084
Delta R.T. 0.006 min
Lab File: BM047383.D
Acq: 28 Aug 2024 16:25



Tgt Ion:240 Resp: 979723
Ion Ratio Lower Upper
240 100
120 8.6 7.4 11.0
236 25.4 20.8 31.2





#78

Pyrene

Concen: 39.035 ng

RT: 19.227 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM047383.D

Acq: 28 Aug 2024 16:25

Instrument :

BNA_M

ClientSampleId :

COMP-4DL

Tgt Ion:202 Resp: 2933138

Ion Ratio Lower Upper

202 100

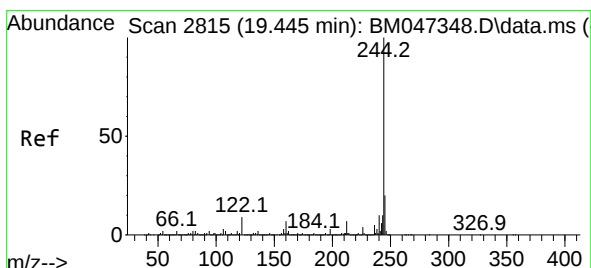
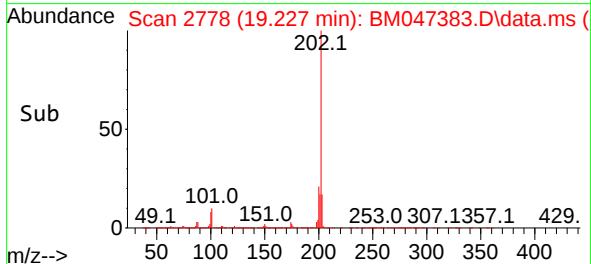
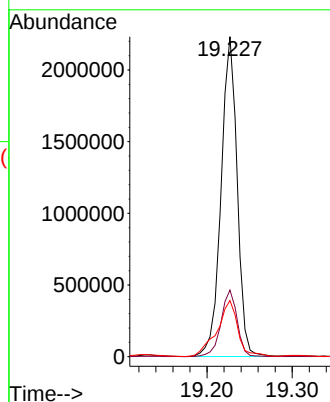
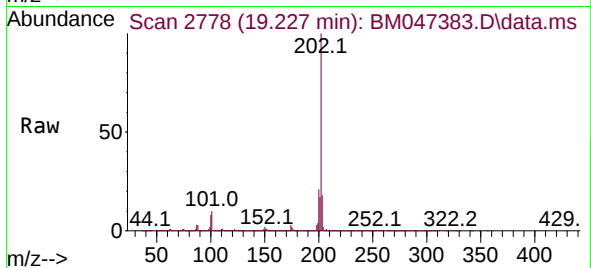
200 20.8 16.7 25.1

203 17.6 14.2 21.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/29/2024
Supervised By :mohammad ahmed 08/30/2024



#79

Terphenyl-d14

Concen: 14.339 ng

RT: 19.445 min Scan# 2815

Delta R.T. -0.000 min

Lab File: BM047383.D

Acq: 28 Aug 2024 16:25

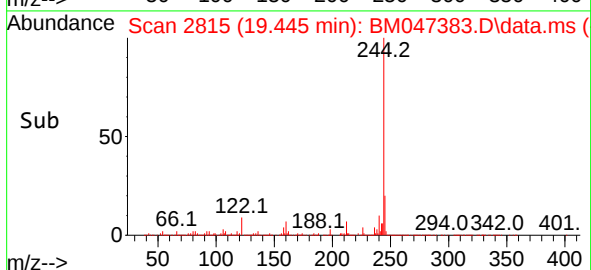
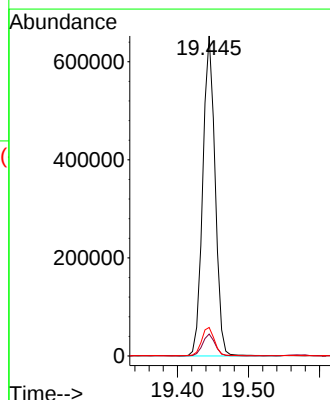
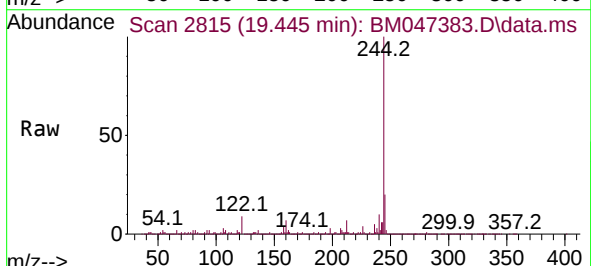
Tgt Ion:244 Resp: 789243

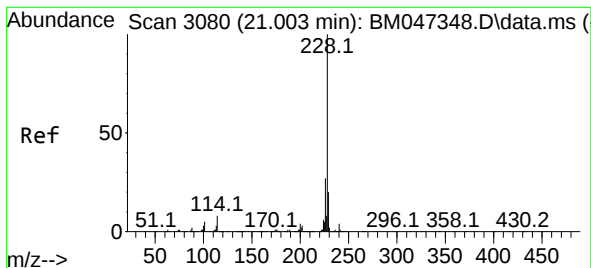
Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

122 8.9 7.0 10.4





#81

Benzo(a)anthracene

Concen: 23.035 ng

RT: 21.009 min Scan# 3081

Delta R.T. 0.006 min

Lab File: BM047383.D

Acq: 28 Aug 2024 16:25

Instrument :

BNA_M

ClientSampleId :

COMP-4DL

Tgt Ion:228 Resp: 1471699

Ion Ratio Lower Upper

228 100

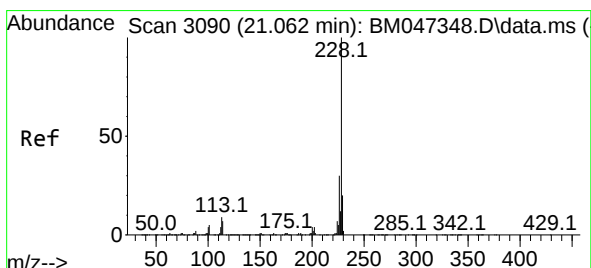
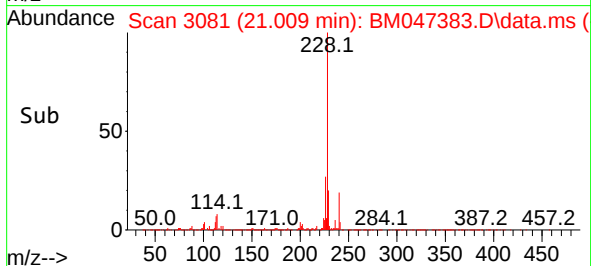
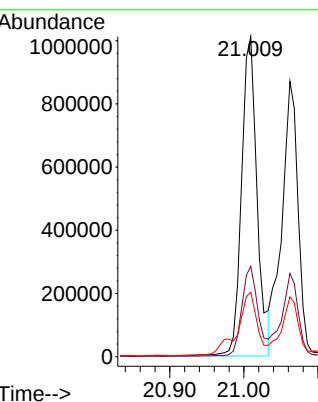
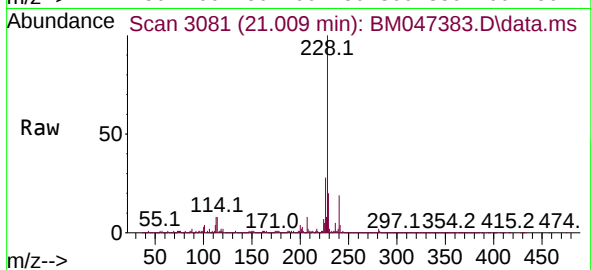
226 28.3 21.4 32.0

229 20.2 15.8 23.8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/29/2024
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#83

Chrysene

Concen: 22.181 ng

RT: 21.062 min Scan# 3090

Delta R.T. 0.000 min

Lab File: BM047383.D

Acq: 28 Aug 2024 16:25

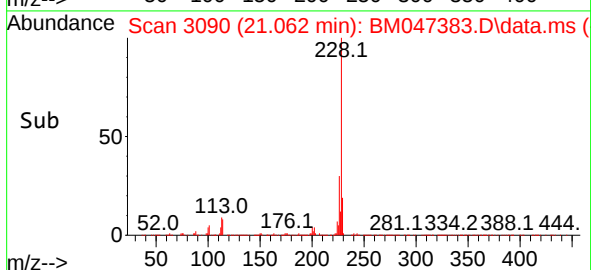
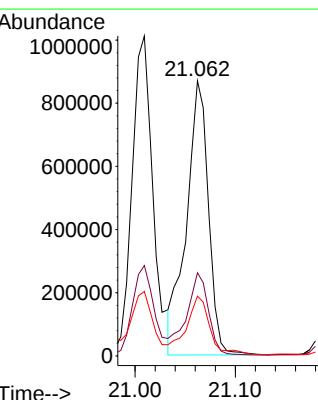
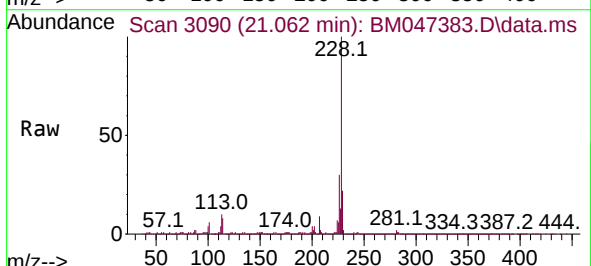
Tgt Ion:228 Resp: 1333066

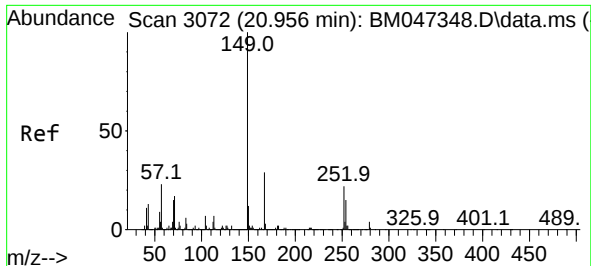
Ion Ratio Lower Upper

228 100

226 30.2 24.0 36.0

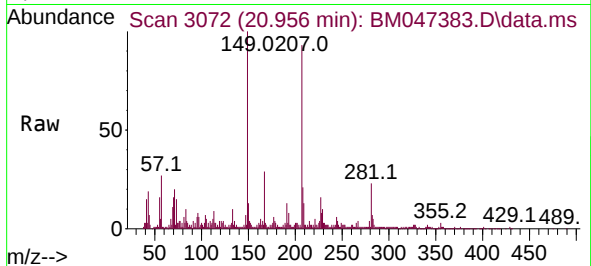
229 21.7 15.9 23.9





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.440 ng
RT: 20.956 min Scan# 3072
Delta R.T. -0.000 min
Lab File: BM047383.D
Acq: 28 Aug 2024 16:25

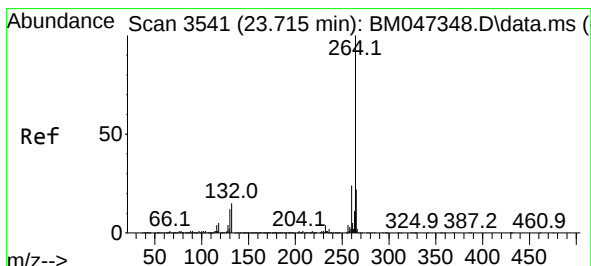
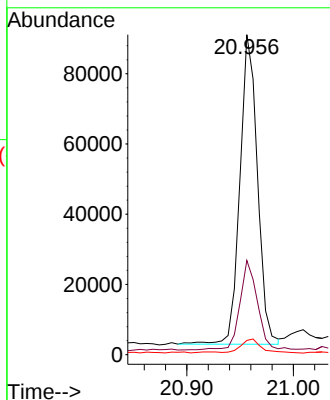
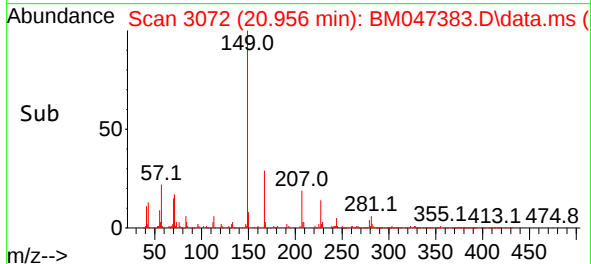
Instrument :
BNA_M
ClientSampleId :
COMP-4DL



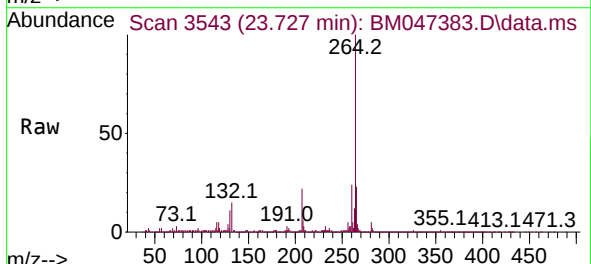
Tgt Ion:149 Resp: 101390
Ion Ratio Lower Upper
149 100
167 29.4 23.1 34.7
279 4.5 3.3 4.9

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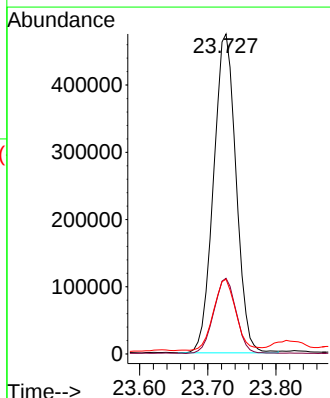
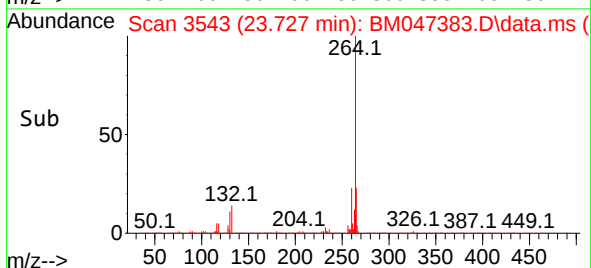
Reviewed By :Jagrut Upadhyay 08/29/2024
Supervised By :mohammad ahmed 08/30/2024

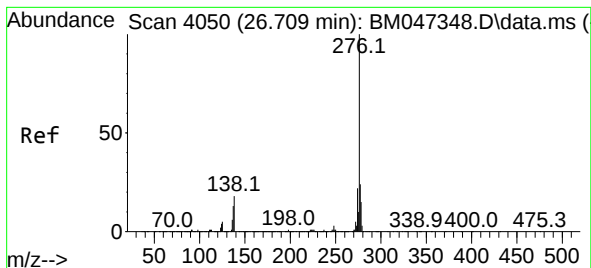


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.727 min Scan# 3543
Delta R.T. 0.012 min
Lab File: BM047383.D
Acq: 28 Aug 2024 16:25



Tgt Ion:264 Resp: 1090363
Ion Ratio Lower Upper
264 100
260 23.7 19.0 28.4
265 23.4 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 15.854 ng

RT: 26.726 min Scan# 40

Delta R.T. 0.018 min

Lab File: BM047383.D

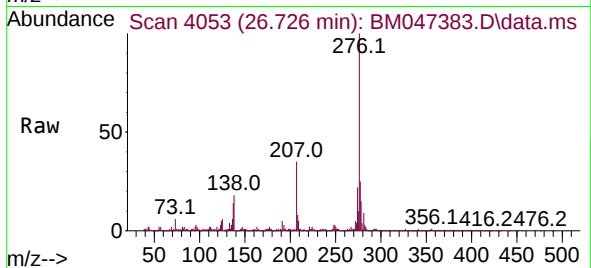
Acq: 28 Aug 2024 16:25

Instrument :

BNA_M

ClientSampleId :

COMP-4DL



Tgt Ion:276 Resp: 1082118

Ion Ratio Lower Upper

276 100

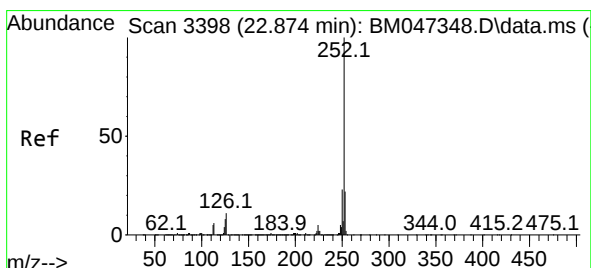
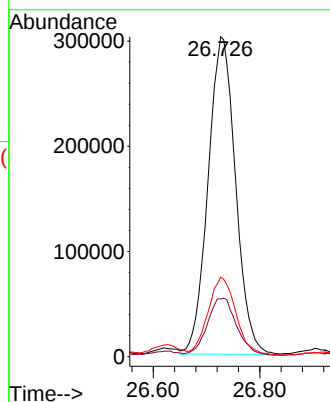
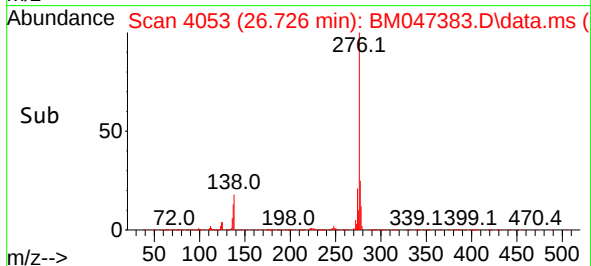
138 19.2 17.7 26.5

277 25.0 20.0 30.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/29/2024
Supervised By :mohammad ahmed 08/30/2024



#88

Benzo(b)fluoranthene

Concen: 30.390 ng

RT: 22.886 min Scan# 3400

Delta R.T. 0.012 min

Lab File: BM047383.D

Acq: 28 Aug 2024 16:25

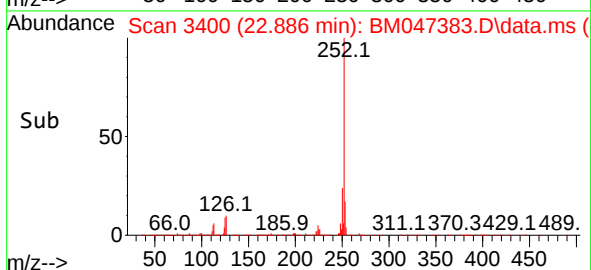
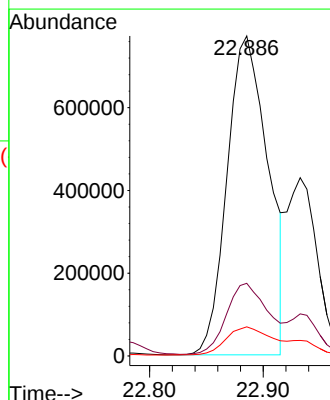
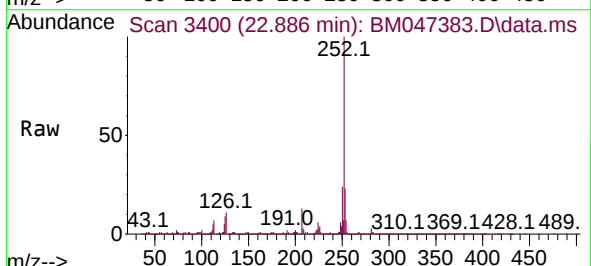
Tgt Ion:252 Resp: 1933221

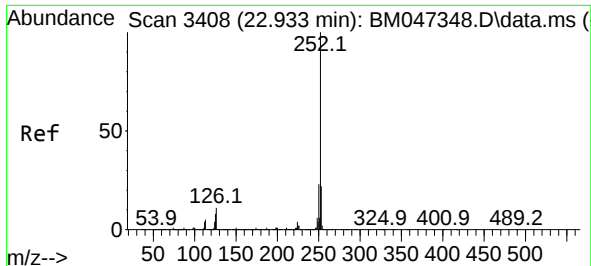
Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.6

125 9.1 6.6 10.0





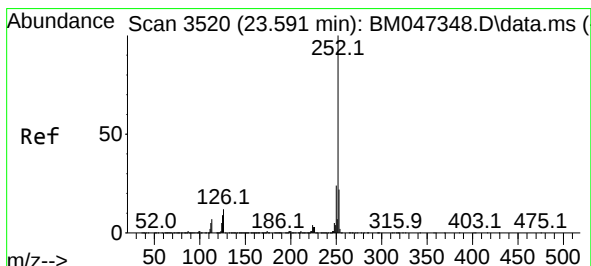
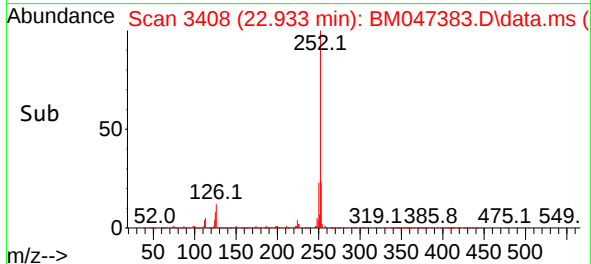
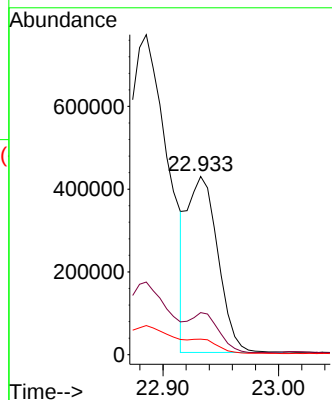
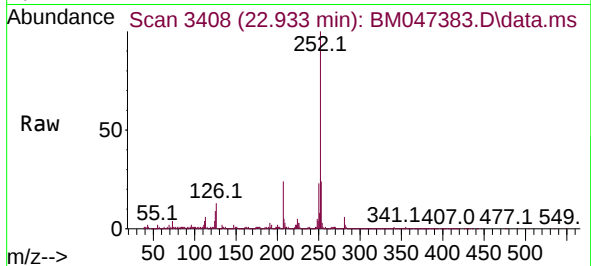
#89
Benzo(k)fluoranthene
Concen: 12.896 ng m
RT: 22.933 min Scan# 3408
Delta R.T. 0.000 min
Lab File: BM047383.D
Acq: 28 Aug 2024 16:25

Instrument :
BNA_M
ClientSampleId :
COMP-4DL

Tgt Ion:252 Resp: 777678
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 8.7 6.6 9.8

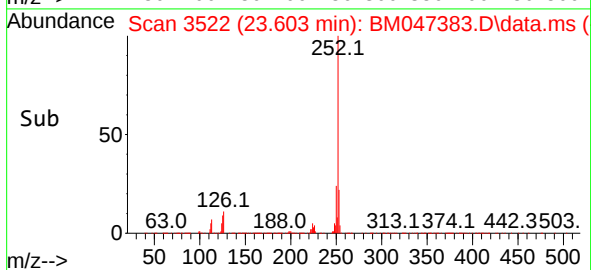
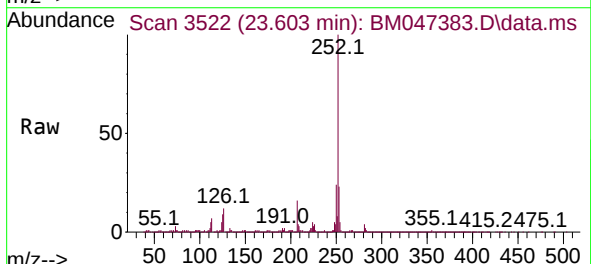
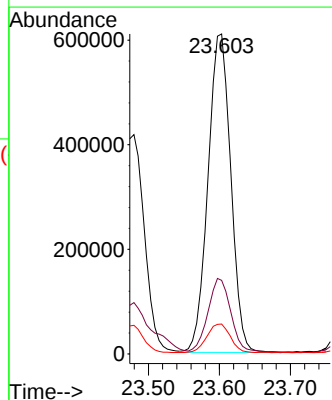
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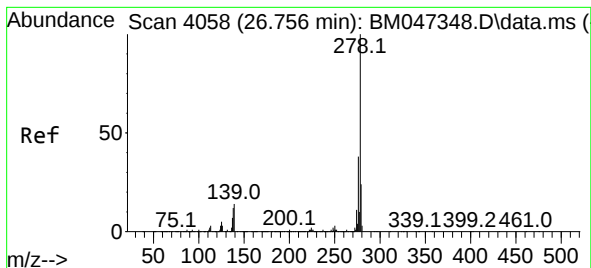
Reviewed By :Jagrut Upadhyay 08/29/2024
Supervised By :mohammad ahmed 08/30/2024



#90
Benzo(a)pyrene
Concen: 24.682 ng
RT: 23.603 min Scan# 3522
Delta R.T. 0.012 min
Lab File: BM047383.D
Acq: 28 Aug 2024 16:25

Tgt Ion:252 Resp: 1357797
Ion Ratio Lower Upper
252 100
253 23.0 17.7 26.5
125 9.4 7.4 11.2





#91

Dibenzo(a,h)anthracene

Concen: 5.399 ng

RT: 26.756 min Scan# 4058

Delta R.T. 0.000 min

Lab File: BM047383.D

Acq: 28 Aug 2024 16:25

Instrument :

BNA_M

ClientSampleId :

COMP-4DL

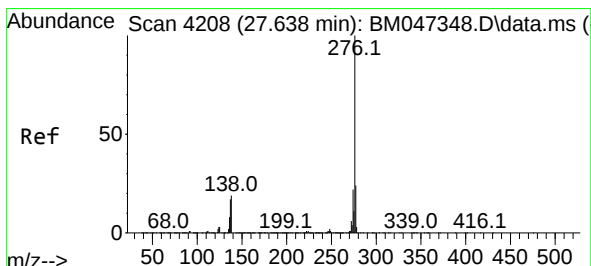
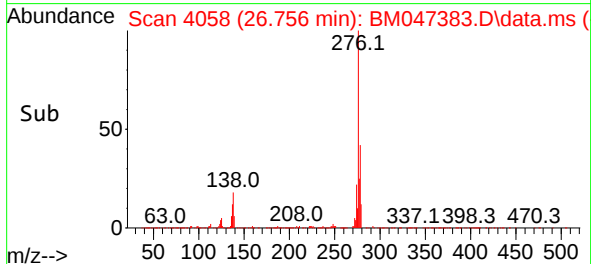
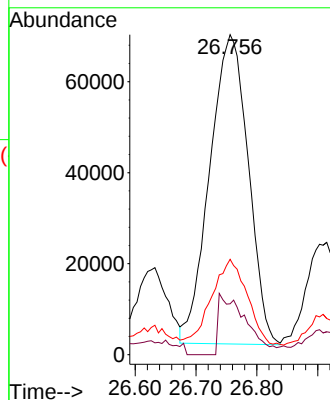
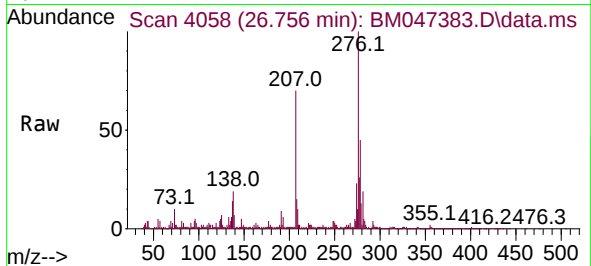
Tgt Ion:278 Resp: 298544

Ion	Ratio	Lower	Upper
278	100		
139	15.9	11.1	16.7
279	29.8	19.2	28.8

Manual Integrations

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#92

Benzo(g,h,i)perylene

Concen: 18.714 ng

RT: 27.662 min Scan# 4212

Delta R.T. 0.024 min

Lab File: BM047383.D

Acq: 28 Aug 2024 16:25

Tgt Ion:276 Resp: 1075774

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.4	29.0
138	18.8	15.0	22.6

