

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082924\
 Data File : BM047395.D
 Acq On : 29 Aug 2024 15:46
 Operator : RC/JU
 Sample : P3775-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 S-865-N-SO-0-0.5-082824

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/30/2024
 Supervised By :mohammad ahmed 09/02/2024

Quant Time: Aug 29 16:27:18 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	7.346	152	249344	20.000	ng	0.00
21) Naphthalene-d8	10.098	136	940140	20.000	ng	0.00
39) Acenaphthene-d10	14.004	164	644571	20.000	ng	0.00
64) Phenanthrene-d10	16.774	188	1355835	20.000	ng	0.00
76) Chrysene-d12	21.015	240	1050738	20.000	ng	0.00
86) Perylene-d12	23.715	264	1053731	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.005	112	760517	58.517	ng	0.00
7) Phenol-d6	6.569	99	1001599	56.573	ng	0.00
23) Nitrobenzene-d5	8.493	82	659051	38.896	ng	0.00
42) 2,4,6-Tribromophenol	15.521	330	475273	61.115	ng	0.00
45) 2-Fluorobiphenyl	12.610	172	1483315	35.359	ng	0.00
79) Terphenyl-d14	19.439	244	2155133	36.508	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.069	154	242108	7.440	ng	100
55) Dibenzofuran	14.416	168	279521	5.333	ng	99
58) Fluorene	15.069	166	403124	9.503	ng	98
71) Phenanthrene	16.821	178	4696604	71.328	ng	100
72) Anthracene	16.910	178	1305710	20.342	ng	99
73) Carbazole	17.192	167	628578	10.205	ng	99
75) Fluoranthene	18.857	202	5685527	73.538	ng	99
78) Pyrene	19.221	202	4497388	55.807	ng	100
81) Benzo(a)anthracene	21.003	228	2015117	29.408	ng	99
83) Chrysene	21.056	228	1705182	26.455	ng	98
87) Indeno(1,2,3-cd)pyrene	26.715	276	820935	12.445	ng	96
88) Benzo(b)fluoranthene	22.874	252	1863448	30.311	ng	99
89) Benzo(k)fluoranthene	22.921	252	634749m	10.892	ng	
90) Benzo(a)pyrene	23.592	252	1316435	24.762	ng	99
91) Dibenzo(a,h)anthracene	26.738	278	209466m	3.920	ng	
92) Benzo(g,h,i)perylene	27.650	276	773670	13.926	ng	100

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

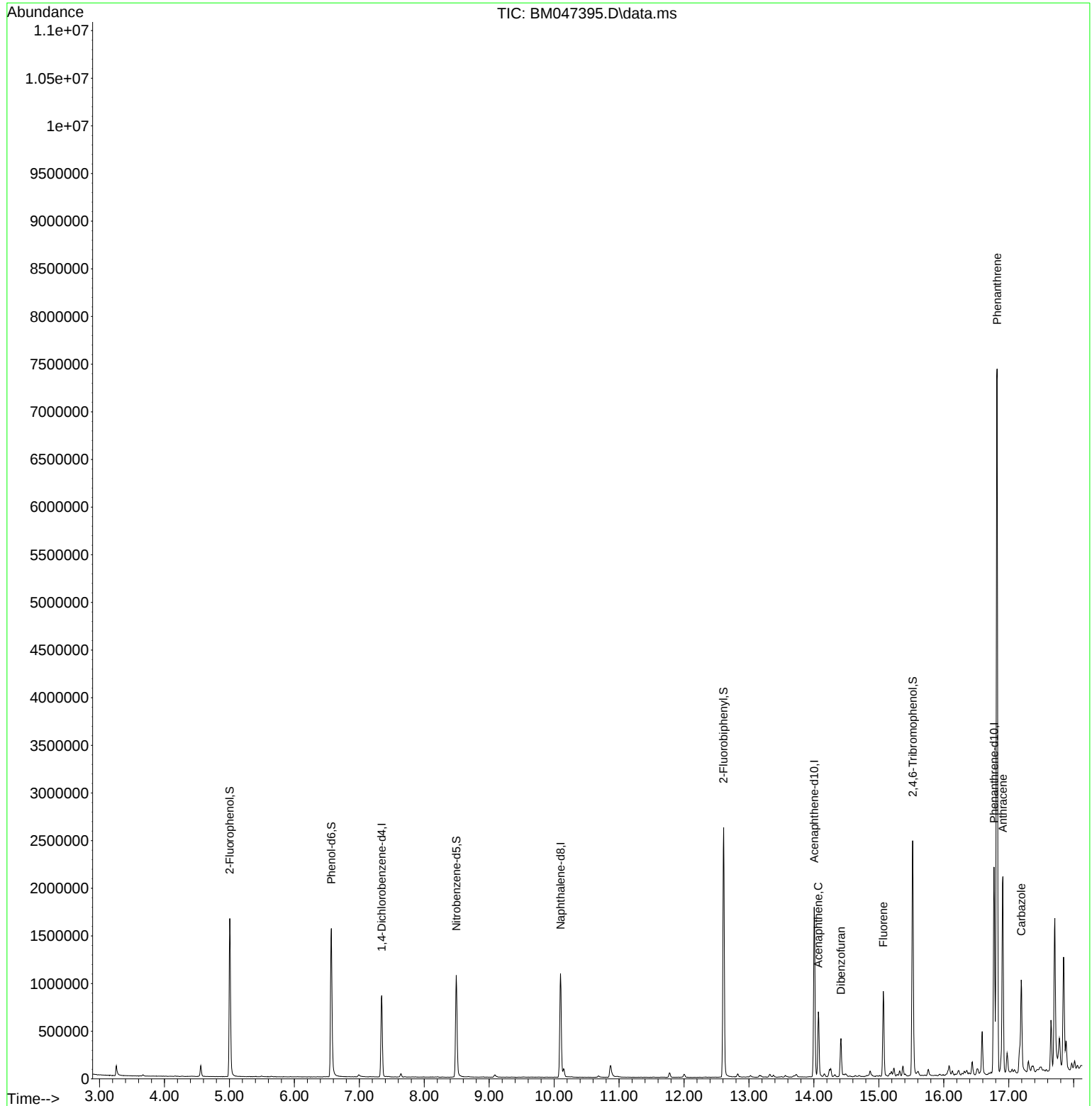
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082924\
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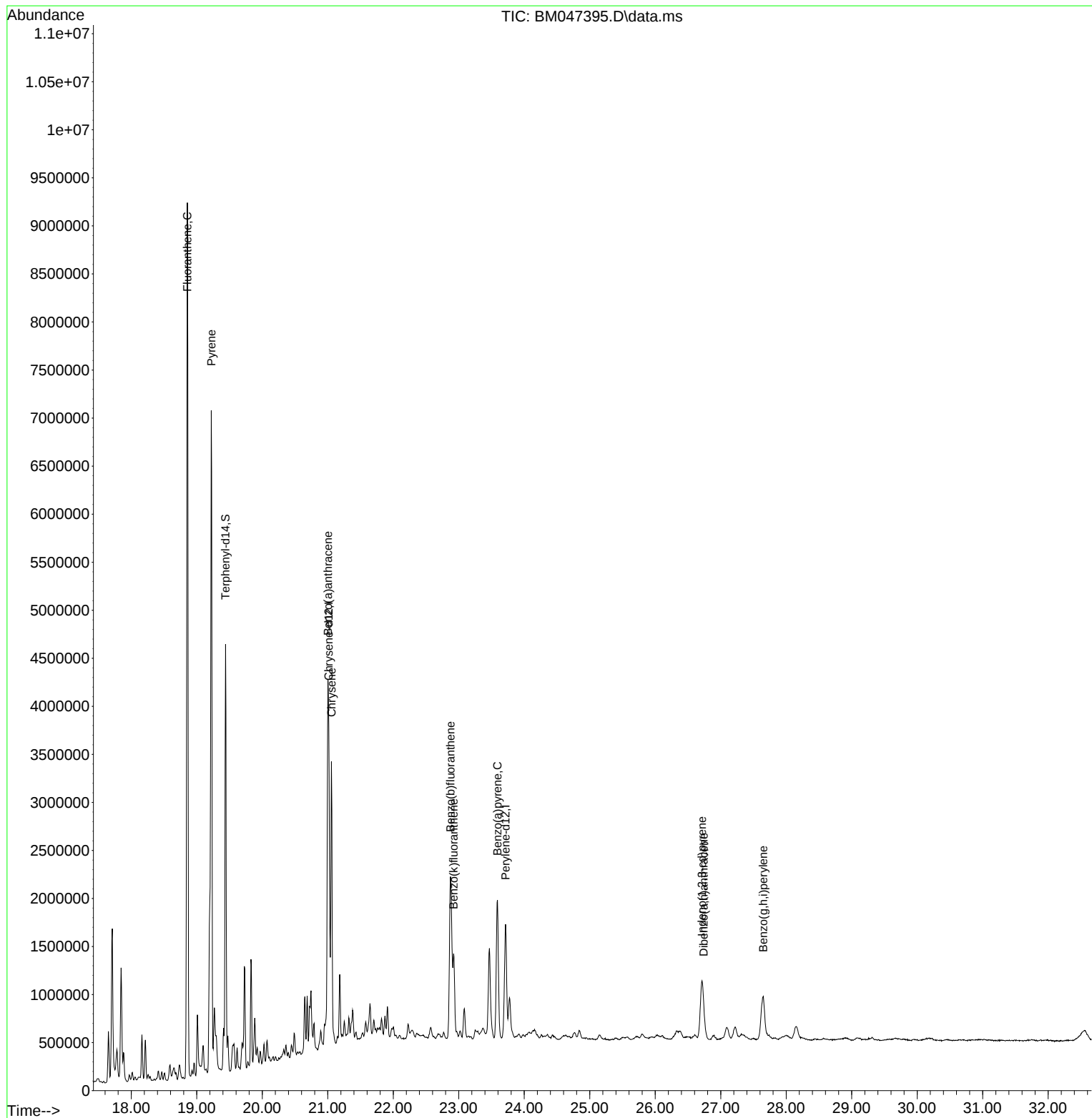
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Data File : BM047395.D
Acq On : 29 Aug 2024 15:46
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Sample : P3775-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

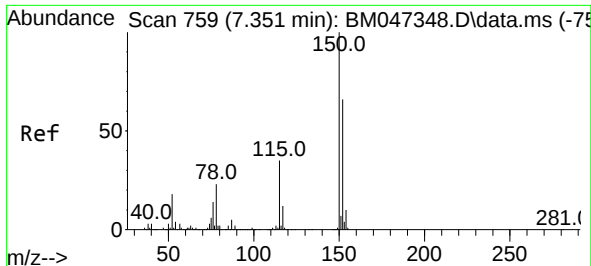
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BNA_M
ClientSampleId :
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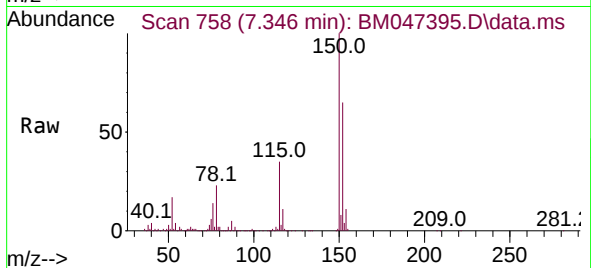
Reviewed By :Jagrut Upadhyay 08/30/2024
Supervised By :mohammad ahmed 09/02/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.346 min Scan# 71
Delta R.T. -0.005 min
Lab File: BM047395.D
Acq: 29 Aug 2024 15:46

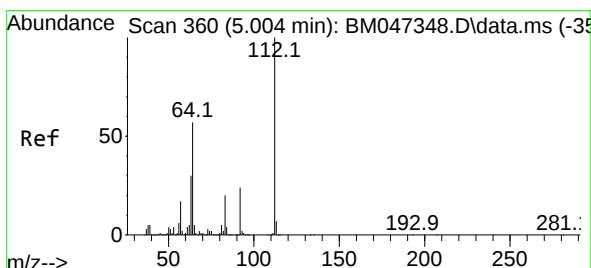
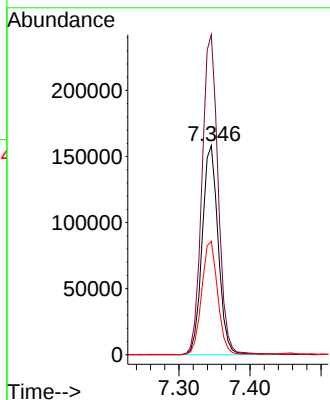
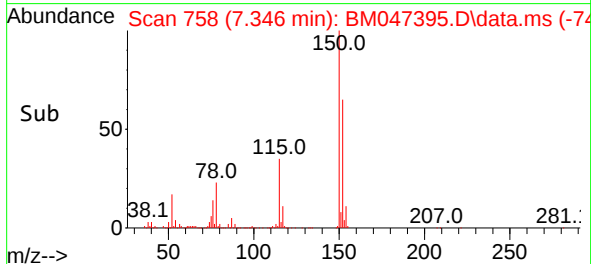
Instrument :
BNA_M
ClientSampleId :
S-865-N-SO-0-0.5-082824



Tgt Ion:152 Resp: 249344
Ion Ratio Lower Upper
152 100
150 153.0 121.3 181.9
115 54.2 42.6 64.0

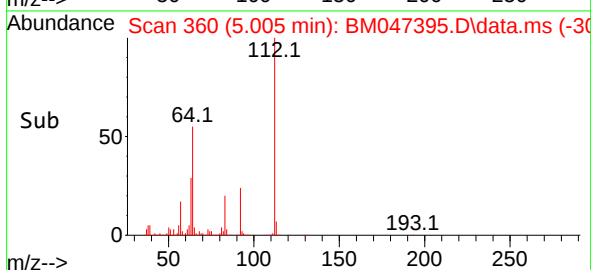
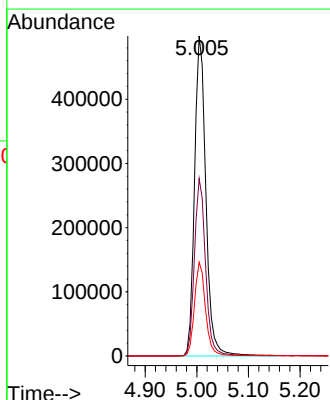
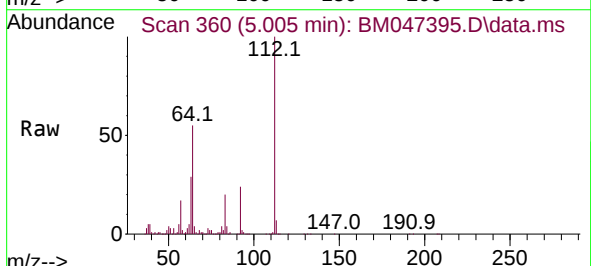
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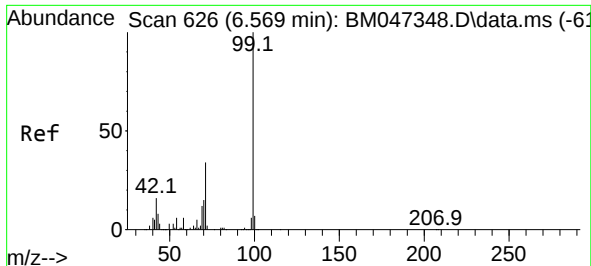
Reviewed By :Jagrut Upadhyay 08/30/2024
Supervised By :mohammad ahmed 09/02/2024



#5
2-Fluorophenol
Concen: 58.517 ng
RT: 5.005 min Scan# 360
Delta R.T. 0.000 min
Lab File: BM047395.D
Acq: 29 Aug 2024 15:46

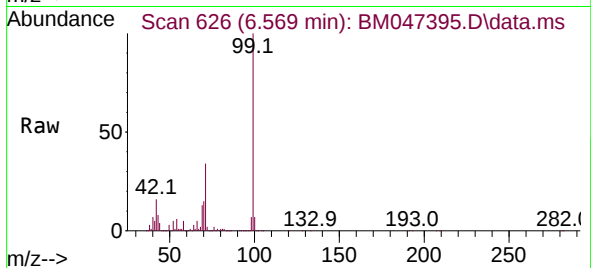
Tgt Ion:112 Resp: 760517
Ion Ratio Lower Upper
112 100
64 55.5 45.7 68.5
63 29.3 23.8 35.8





#7
Phenol-d6
Concen: 56.573 ng
RT: 6.569 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM047395.D
Acq: 29 Aug 2024 15:46

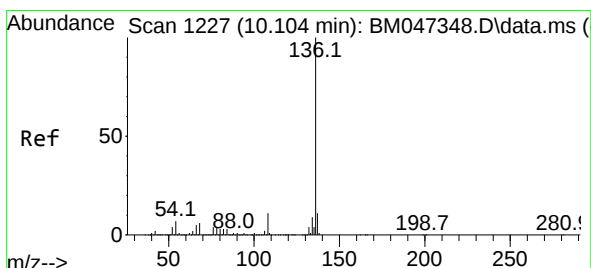
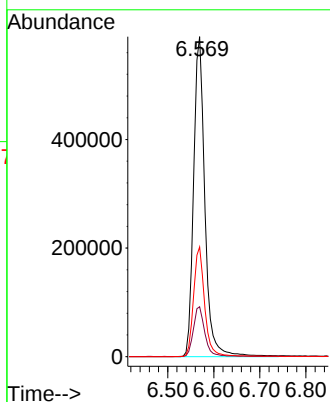
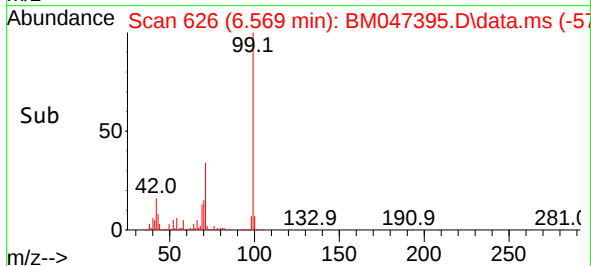
Instrument :
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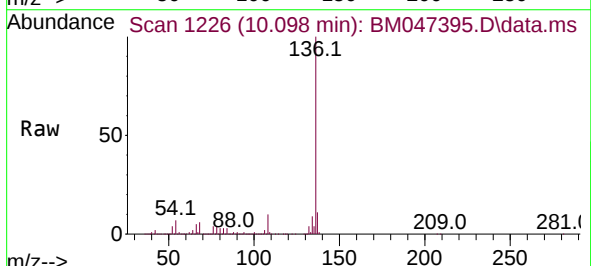
Tgt Ion: 99 Resp: 100159
Ion Ratio Lower Upper
99 100
42 15.6 13.0 19.4
71 34.3 27.5 41.3

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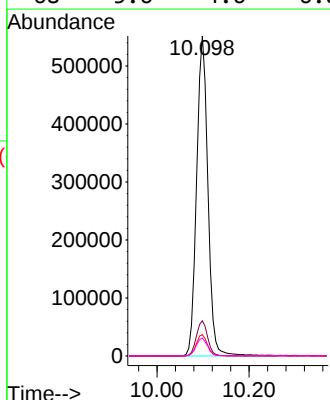
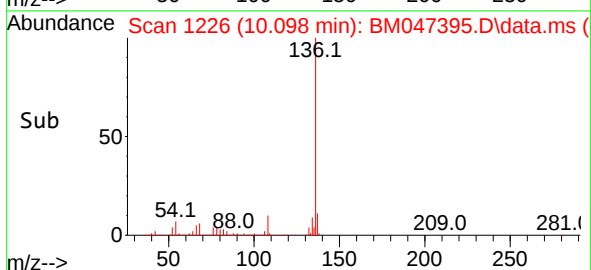
Reviewed By :Jagrut Upadhyay 08/30/2024
Supervised By :mohammad ahmed 09/02/2024

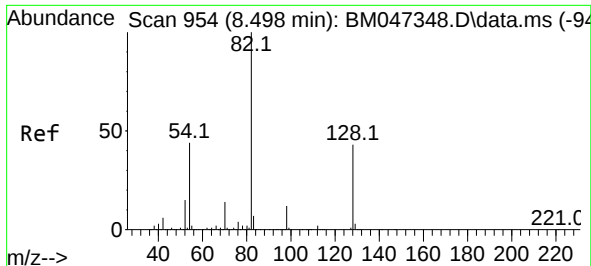


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.098 min Scan# 1226
Delta R.T. -0.006 min
Lab File: BM047395.D
Acq: 29 Aug 2024 15:46



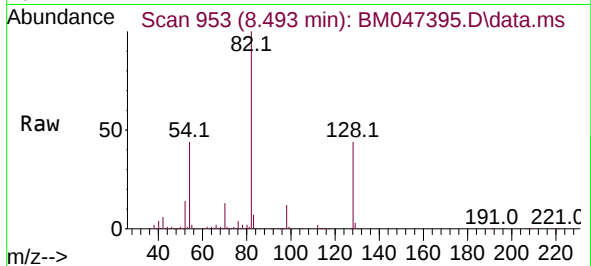
Tgt Ion:136 Resp: 940140
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 6.7 5.2 7.8
68 5.6 4.6 6.8





#23
Nitrobenzene-d5
Concen: 38.896 ng
RT: 8.493 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM047395.D
Acq: 29 Aug 2024 15:46

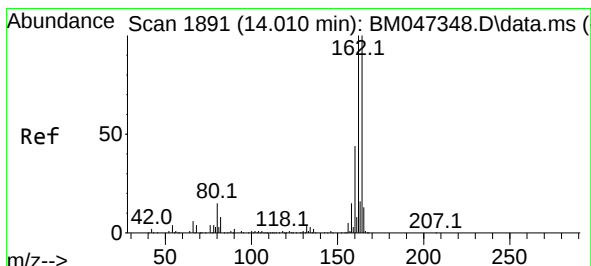
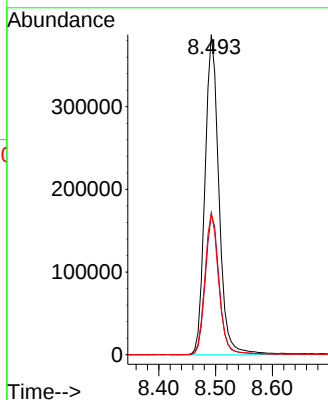
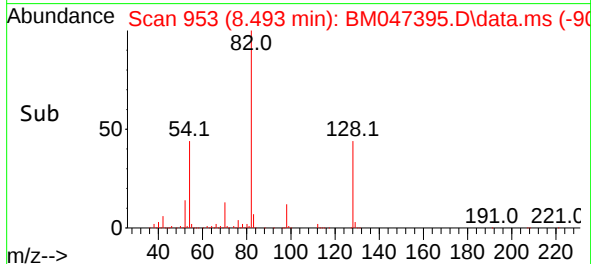
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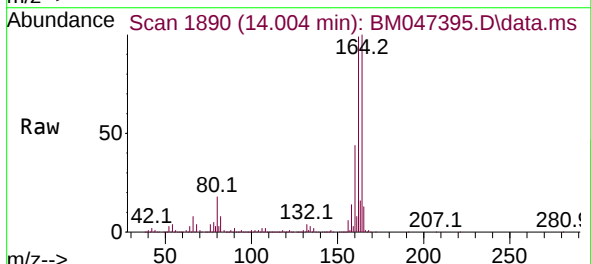
Tgt Ion: 82 Resp: 65905
Ion Ratio Lower Upper
82 100
128 43.9 34.6 51.8
54 44.4 35.5 53.3

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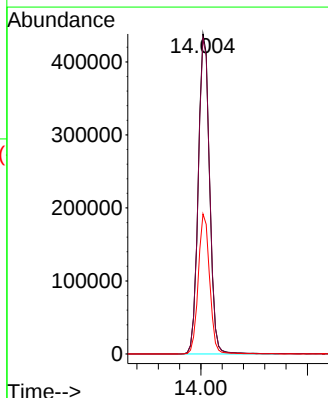
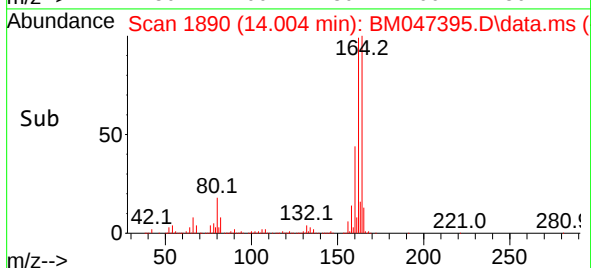
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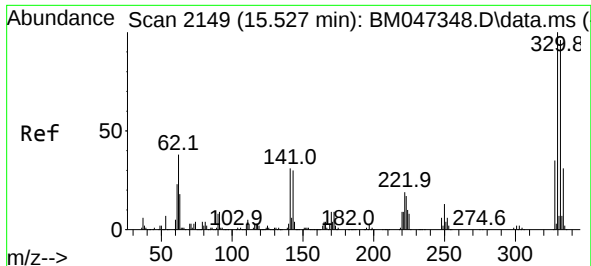


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.004 min Scan# 1890
Delta R.T. -0.006 min
Lab File: BM047395.D
Acq: 29 Aug 2024 15:46



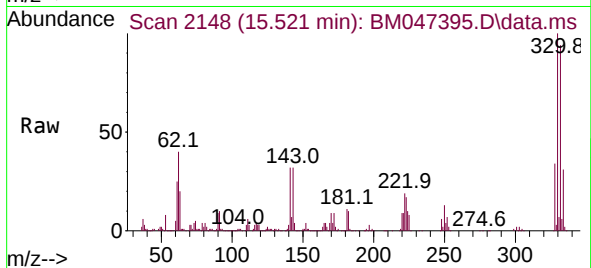
Tgt Ion:164 Resp: 644571
Ion Ratio Lower Upper
164 100
162 98.6 79.7 119.5
160 43.8 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 61.115 ng
RT: 15.521 min Scan# 2149
Delta R.T. -0.006 min
Lab File: BM047395.D
Acq: 29 Aug 2024 15:46

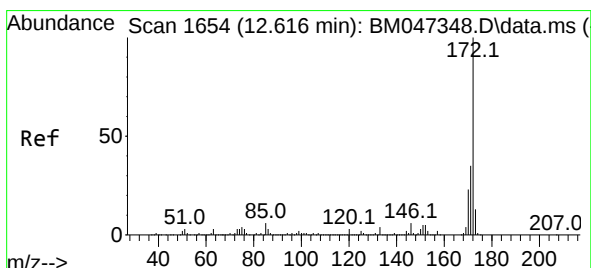
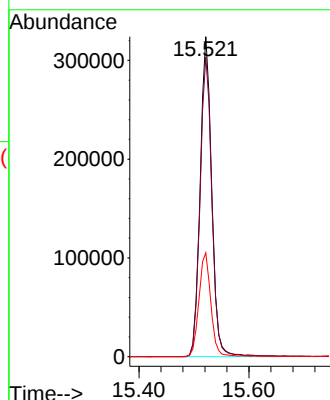
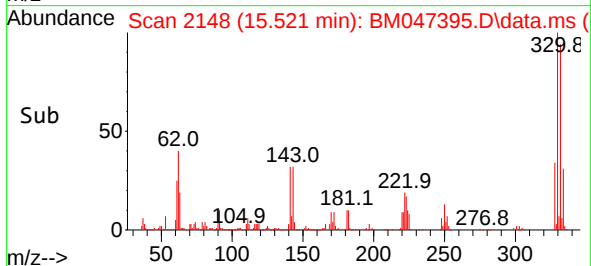
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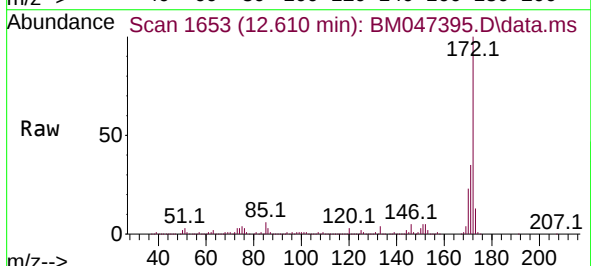
Tgt Ion:330 Resp: 47527
Ion Ratio Lower Upper
330 100
332 95.4 77.2 115.8
141 33.0 27.6 41.4

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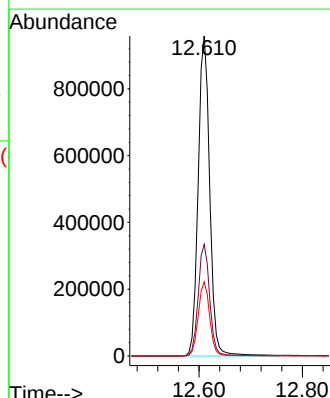
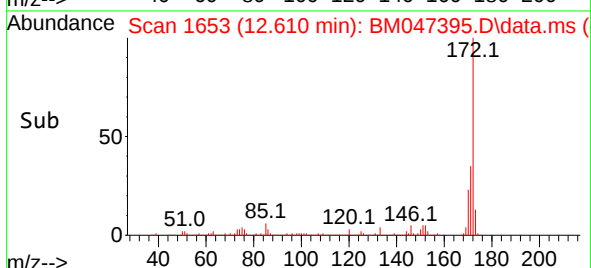
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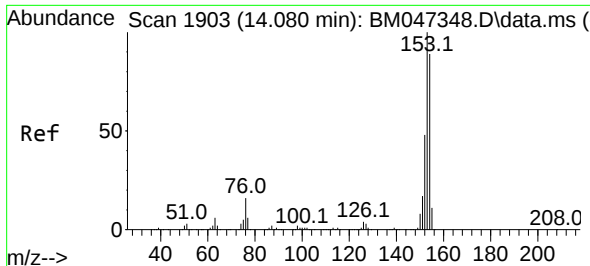


#45
2-Fluorobiphenyl
Concen: 35.359 ng
RT: 12.610 min Scan# 1653
Delta R.T. -0.006 min
Lab File: BM047395.D
Acq: 29 Aug 2024 15:46



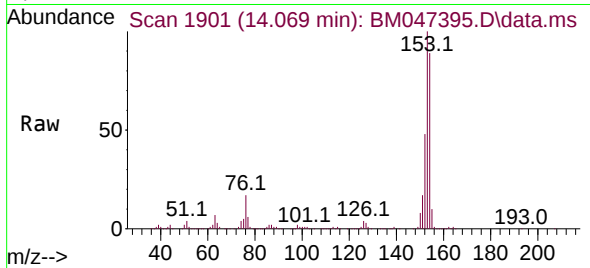
Tgt Ion:172 Resp: 1483315
Ion Ratio Lower Upper
172 100
171 34.9 27.8 41.6
170 23.2 18.5 27.7





#52
Acenaphthene
Concen: 7.440 ng
RT: 14.069 min Scan# 1903
Delta R.T. -0.012 min
Lab File: BM047395.D
Acq: 29 Aug 2024 15:46

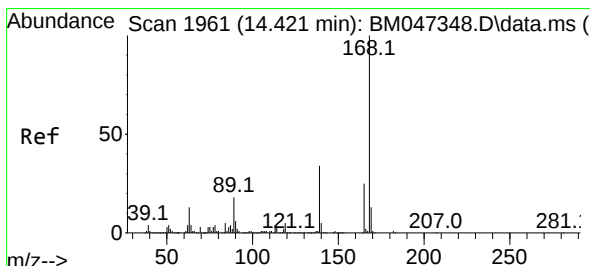
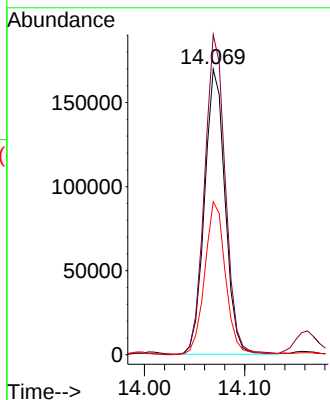
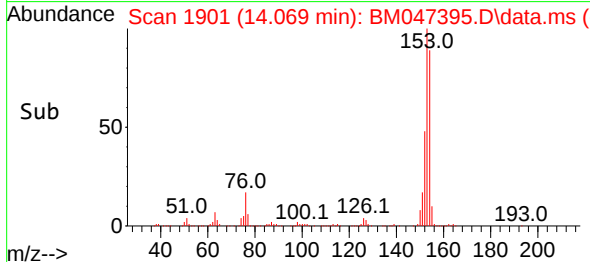
Instrument :
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Tgt Ion:154 Resp: 242108
Ion Ratio Lower Upper
154 100
153 112.1 89.5 134.3
152 53.6 43.0 64.4

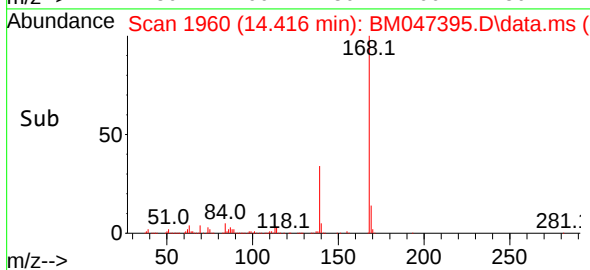
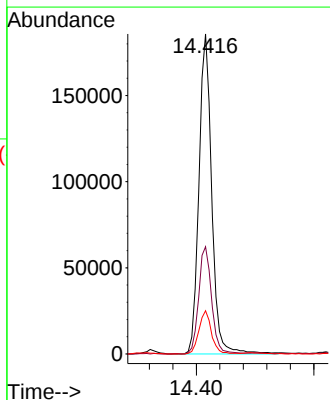
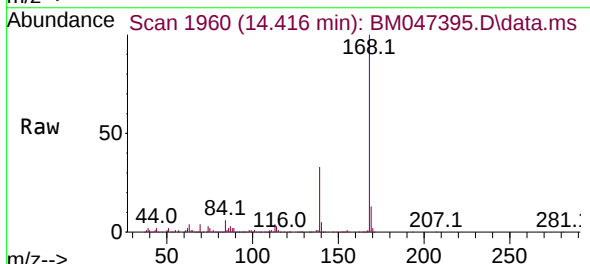
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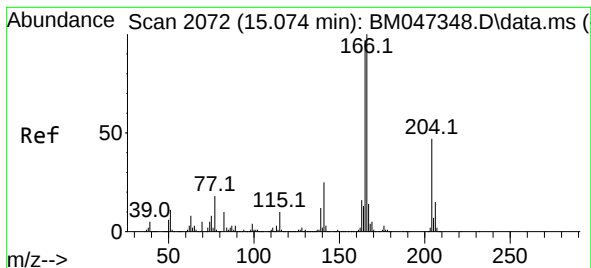
Reviewed By :Jagrut Upadhyay 08/30/2024
Supervised By :mohammad ahmed 09/02/2024



#55
Dibenzofuran
Concen: 5.333 ng
RT: 14.416 min Scan# 1960
Delta R.T. -0.006 min
Lab File: BM047395.D
Acq: 29 Aug 2024 15:46

Tgt Ion:168 Resp: 279521
Ion Ratio Lower Upper
168 100
139 33.5 27.5 41.3
169 13.5 10.5 15.7





#58

Fluorene

Concen: 9.503 ng

RT: 15.069 min Scan# 2071

Delta R.T. -0.006 min

Lab File: BM047395.D

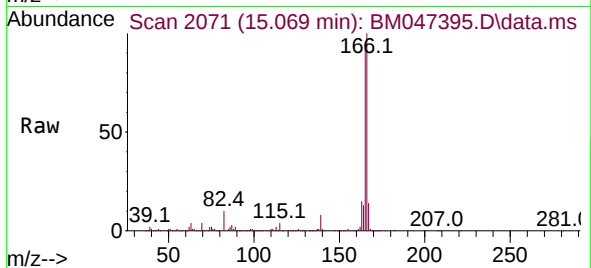
Acq: 29 Aug 2024 15:46

Instrument :

BNA_M

ClientSampleId :

S-865-N-SO-0-0.5-082824



Tgt Ion:166 Resp: 403124

Ion Ratio Lower Upper

166 100

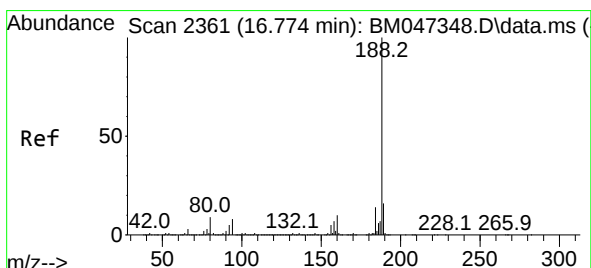
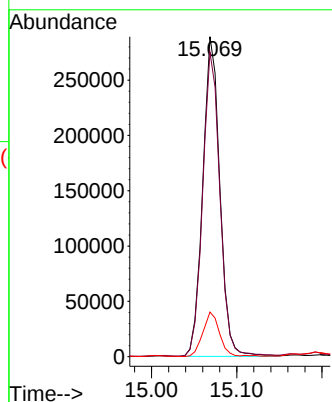
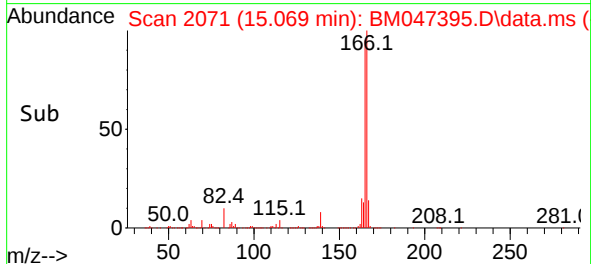
165 95.1 77.8 116.6

167 14.0 11.1 16.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/30/2024
Supervised By :mohammad ahmed 09/02/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.774 min Scan# 2361

Delta R.T. 0.000 min

Lab File: BM047395.D

Acq: 29 Aug 2024 15:46

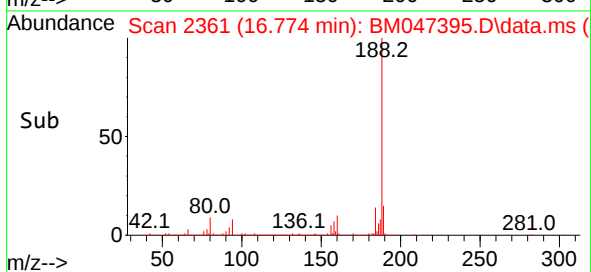
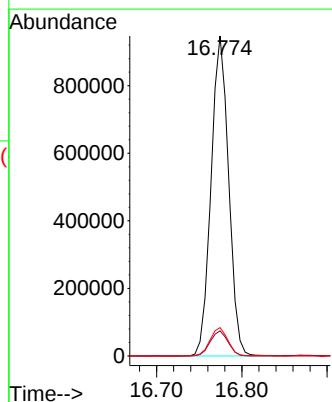
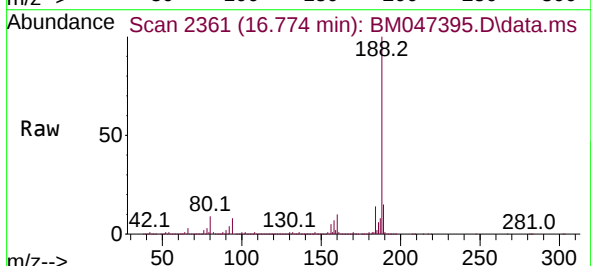
Tgt Ion:188 Resp: 1355835

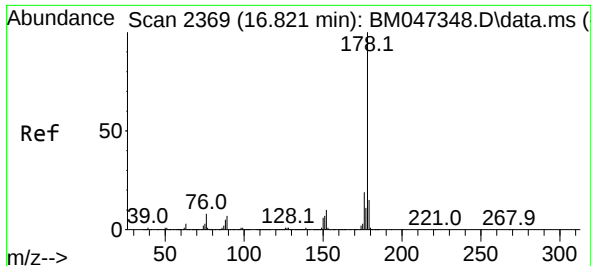
Ion Ratio Lower Upper

188 100

94 7.8 6.4 9.6

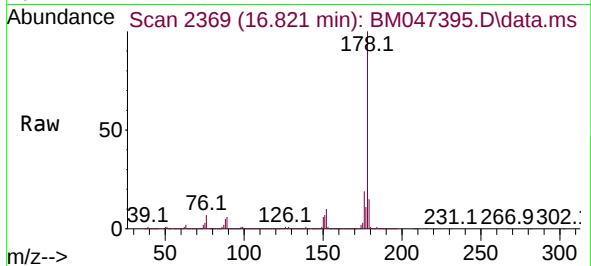
80 8.9 7.4 11.2





#71
Phenanthrene
Concen: 71.328 ng
RT: 16.821 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047395.D
Acq: 29 Aug 2024 15:46

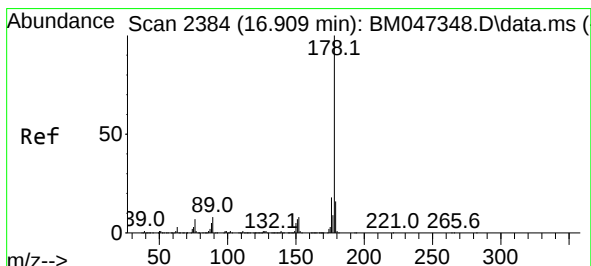
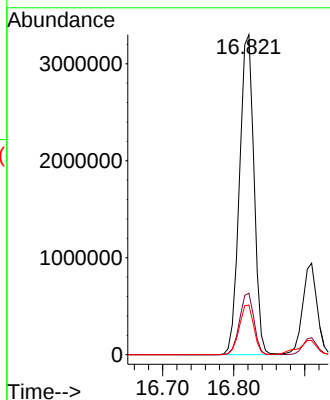
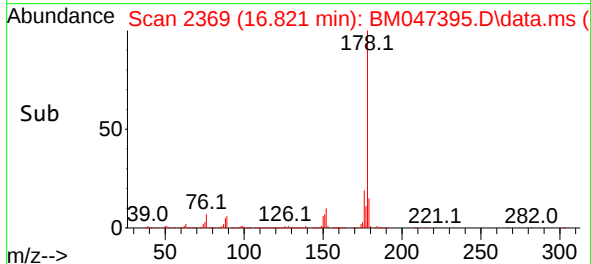
Instrument :
BNA_M
ClientSampleId :
S-865-N-SO-0-0.5-082824



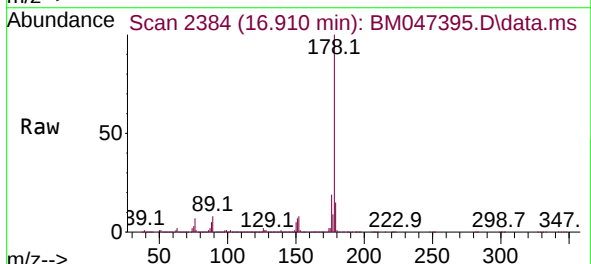
Tgt Ion:178 Resp: 4696604
Ion Ratio Lower Upper
178 100
176 19.2 15.2 22.8
179 15.5 12.2 18.4

Manual Integrations
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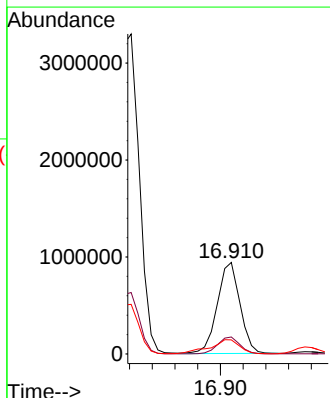
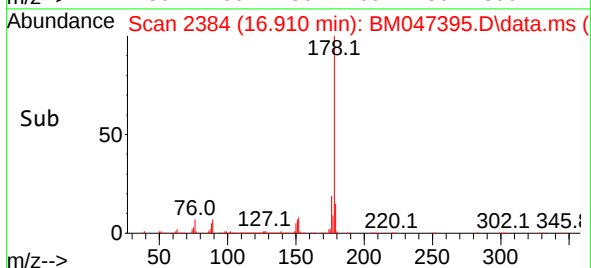
Reviewed By :Jagrut Upadhyay 08/30/2024
Supervised By :mohammad ahmed 09/02/2024

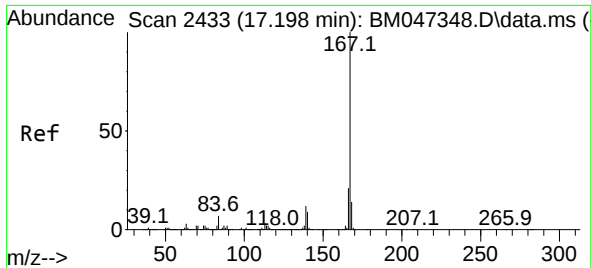


#72
Anthracene
Concen: 20.342 ng
RT: 16.910 min Scan# 2384
Delta R.T. 0.000 min
Lab File: BM047395.D
Acq: 29 Aug 2024 15:46



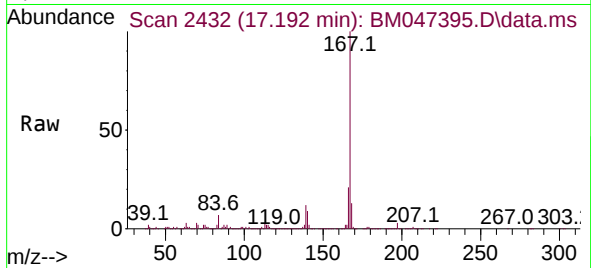
Tgt Ion:178 Resp: 1305710
Ion Ratio Lower Upper
178 100
176 18.5 14.7 22.1
179 15.4 12.6 18.8





#73
 Carbazole
 Concen: 10.205 ng
 RT: 17.192 min Scan# 2433
 Delta R.T. -0.006 min
 Lab File: BM047395.D
 Acq: 29 Aug 2024 15:46

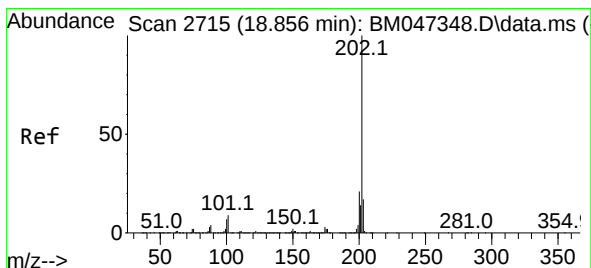
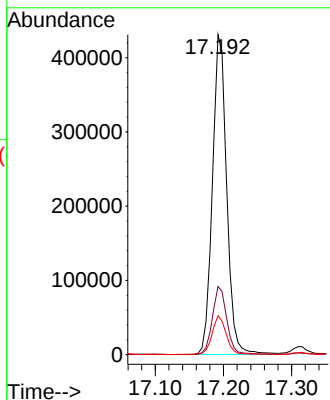
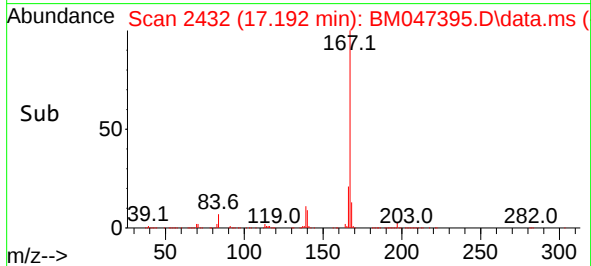
Instrument :
 BNA_M
 ClientSampleId :
 S-865-N-SO-0-0.5-082824



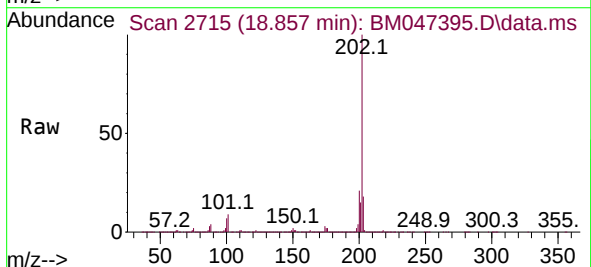
Tgt Ion:167 Resp: 628578
 Ion Ratio Lower Upper
 167 100
 166 21.3 16.9 25.3
 139 12.2 9.5 14.3

Manual Integrations
 APPROVED

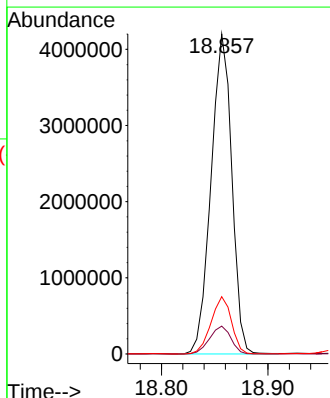
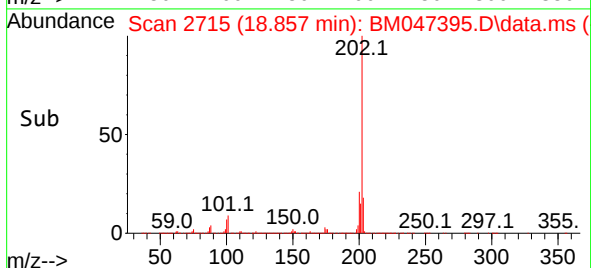
Reviewed By :Jagrut Upadhyay 08/30/2024
 Supervised By :mohammad ahmed 09/02/2024

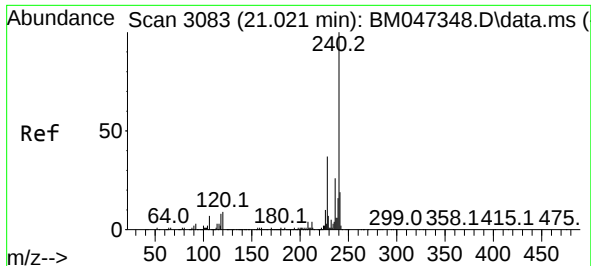


#75
 Fluoranthene
 Concen: 73.538 ng
 RT: 18.857 min Scan# 2715
 Delta R.T. 0.000 min
 Lab File: BM047395.D
 Acq: 29 Aug 2024 15:46



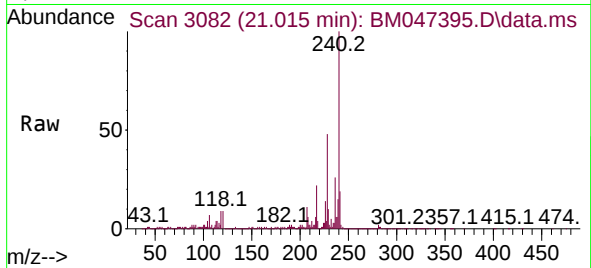
Tgt Ion:202 Resp: 5685527
 Ion Ratio Lower Upper
 202 100
 101 8.7 0.0 29.0
 203 17.9 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.015 min Scan# 3083
Delta R.T. -0.006 min
Lab File: BM047395.D
Acq: 29 Aug 2024 15:46

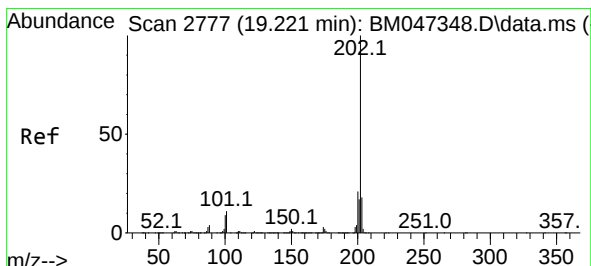
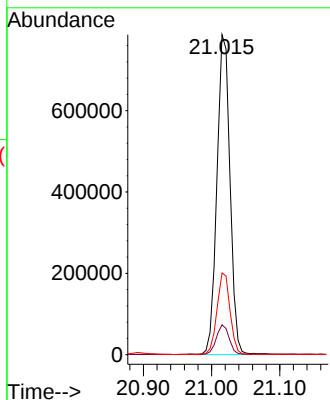
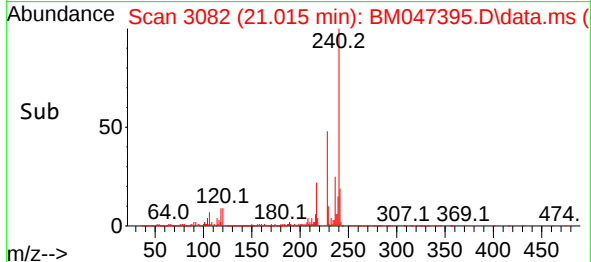
Instrument :
BNA_M
ClientSampleId :
S-865-N-SO-0-0.5-082824



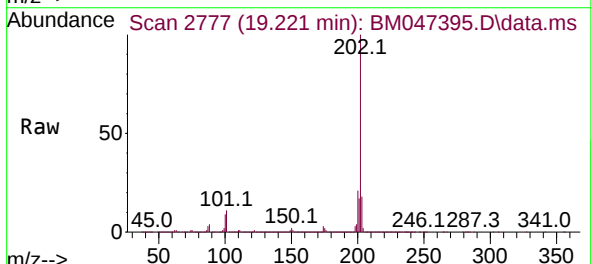
Tgt Ion:240 Resp: 1050738
Ion Ratio Lower Upper
240 100
120 9.3 7.4 11.0
236 25.6 20.8 31.2

Manual Integrations
APPROVED

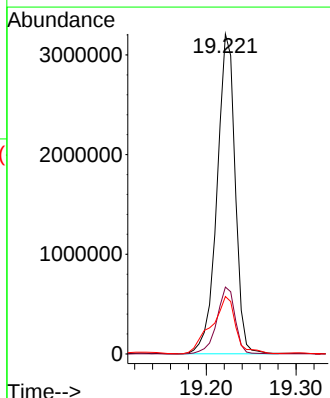
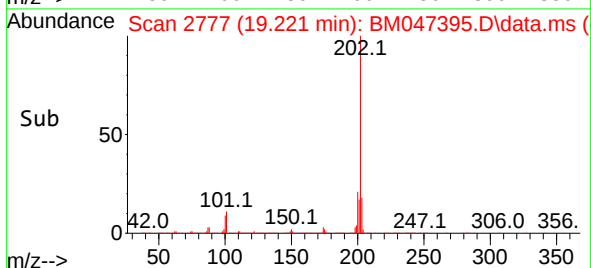
Reviewed By :Jagrut Upadhyay 08/30/2024
Supervised By :mohammad ahmed 09/02/2024

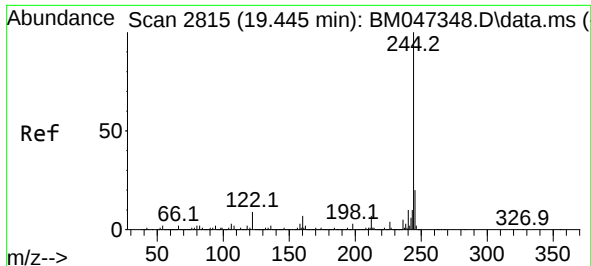


#78
Pyrene
Concen: 55.807 ng
RT: 19.221 min Scan# 2777
Delta R.T. 0.000 min
Lab File: BM047395.D
Acq: 29 Aug 2024 15:46



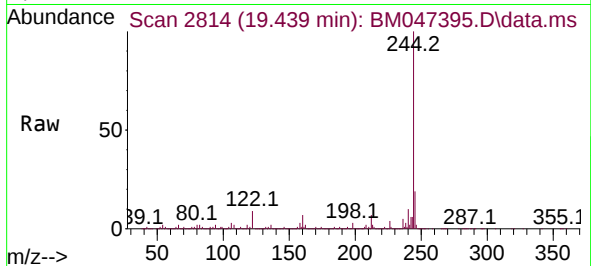
Tgt Ion:202 Resp: 4497388
Ion Ratio Lower Upper
202 100
200 20.9 16.7 25.1
203 17.9 14.2 21.4





#79
 Terphenyl-d14
 Concen: 36.508 ng
 RT: 19.439 min Scan# 215513
 Delta R.T. -0.006 min
 Lab File: BM047395.D
 Acq: 29 Aug 2024 15:46

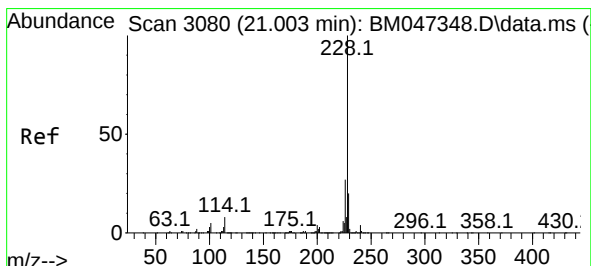
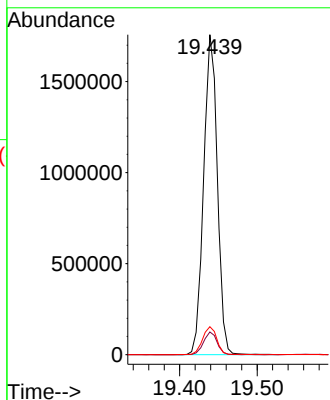
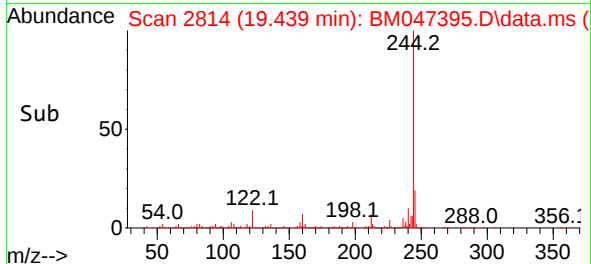
Instrument :
 BNA_M
 ClientSampleId :
 S-865-N-SO-0-0.5-082824



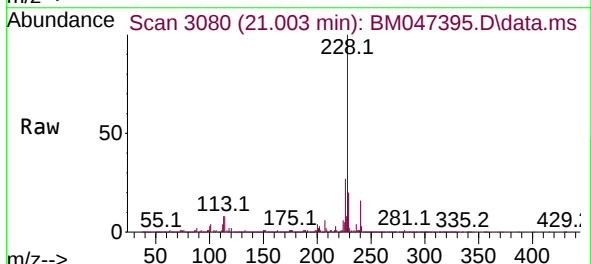
Tgt Ion:244 Resp: 215513
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 8.7 7.0 10.4

Manual Integrations
 APPROVED

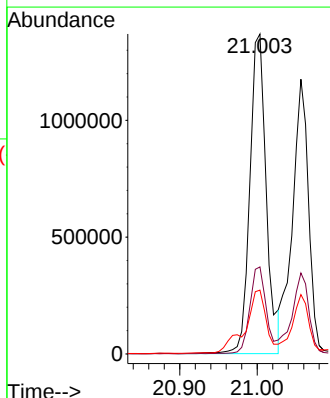
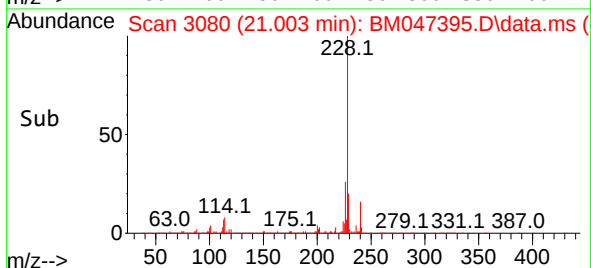
Reviewed By :Jagrut Upadhyay 08/30/2024
 Supervised By :mohammad ahmed 09/02/2024

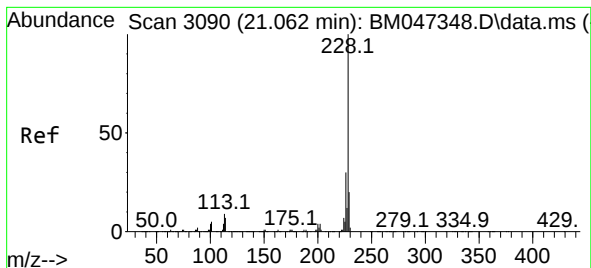


#81
 Benzo(a)anthracene
 Concen: 29.408 ng
 RT: 21.003 min Scan# 3080
 Delta R.T. 0.000 min
 Lab File: BM047395.D
 Acq: 29 Aug 2024 15:46



Tgt Ion:228 Resp: 2015117
 Ion Ratio Lower Upper
 228 100
 226 27.2 21.4 32.0
 229 20.0 15.8 23.8





#83

Chrysene

Concen: 26.455 ng

RT: 21.056 min Scan# 3090

Delta R.T. -0.006 min

Lab File: BM047395.D

Acq: 29 Aug 2024 15:46

Instrument :

BNA_M

ClientSampleId :

S-865-N-SO-0-0.5-082824

Tgt Ion:228 Resp: 170518

Ion Ratio Lower Upper

228 100

226 29.4 24.0 36.0

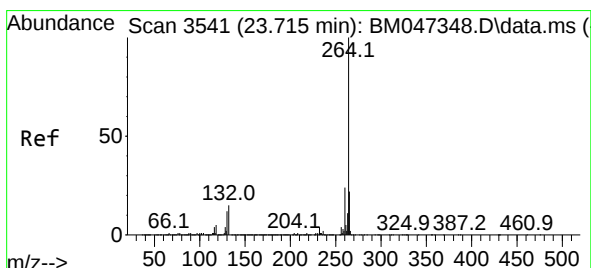
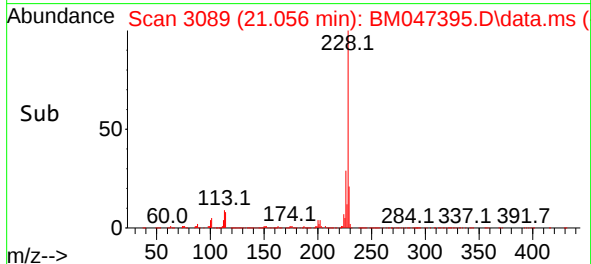
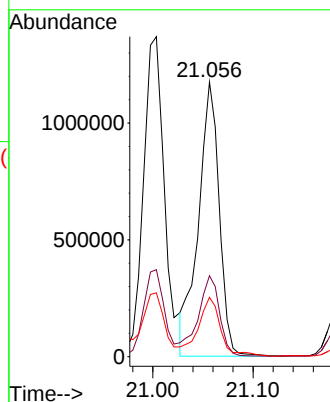
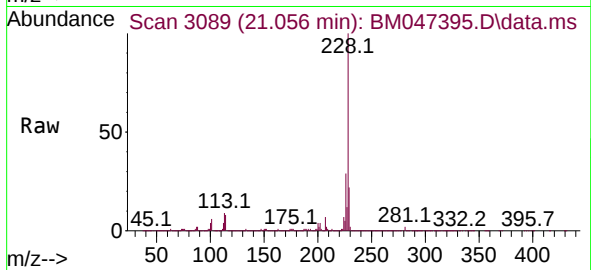
229 21.6 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/30/2024

Supervised By :mohammad ahmed 09/02/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.715 min Scan# 3541

Delta R.T. 0.000 min

Lab File: BM047395.D

Acq: 29 Aug 2024 15:46

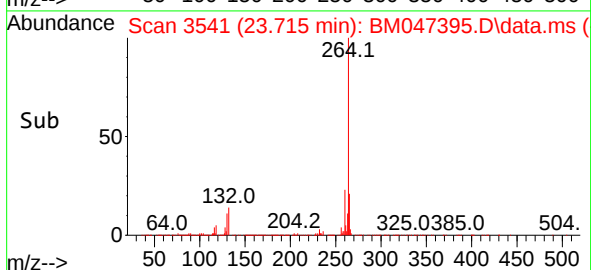
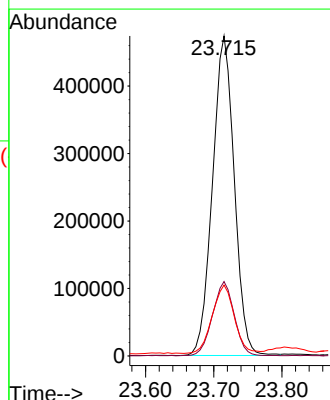
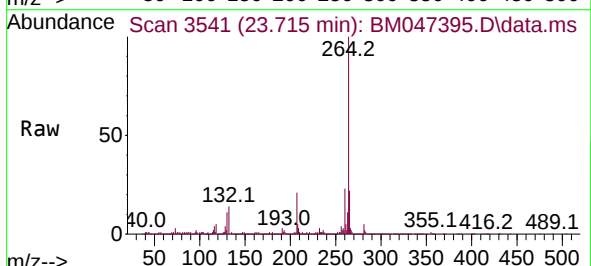
Tgt Ion:264 Resp: 1053731

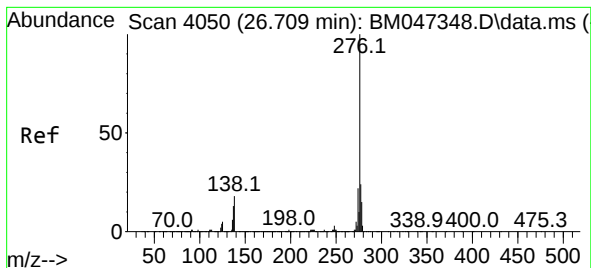
Ion Ratio Lower Upper

264 100

260 23.2 19.0 28.4

265 22.2 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 12.445 ng

RT: 26.715 min Scan# 4050

Delta R.T. 0.006 min

Lab File: BM047395.D

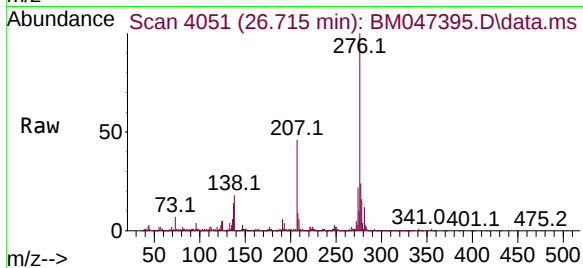
Acq: 29 Aug 2024 15:46

Instrument :

BNA_M

ClientSampleId :

S-865-N-SO-0-0.5-082824



Tgt Ion:276 Resp: 820935

Ion Ratio Lower Upper

276 100

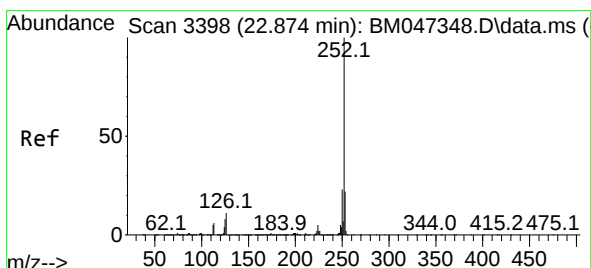
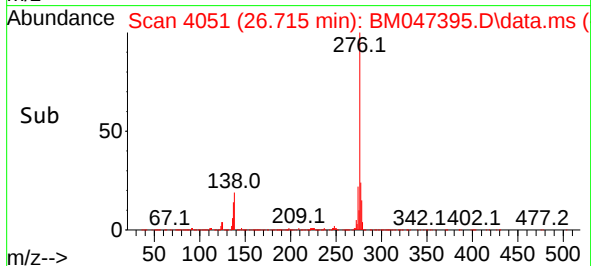
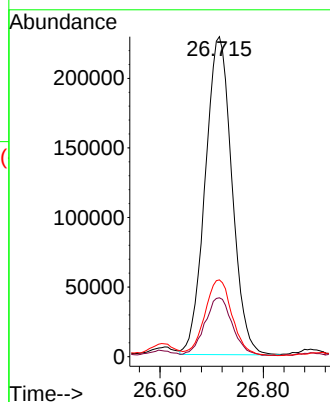
138 18.8 17.7 26.5

277 24.4 20.0 30.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/30/2024
Supervised By :mohammad ahmed 09/02/2024



#88

Benzo(b)fluoranthene

Concen: 30.311 ng

RT: 22.874 min Scan# 3398

Delta R.T. 0.000 min

Lab File: BM047395.D

Acq: 29 Aug 2024 15:46

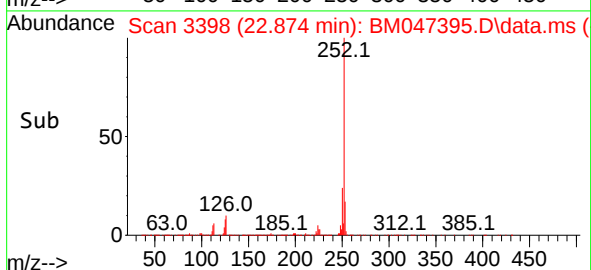
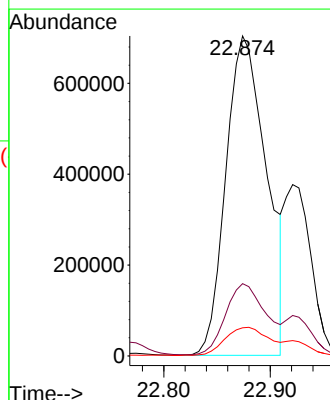
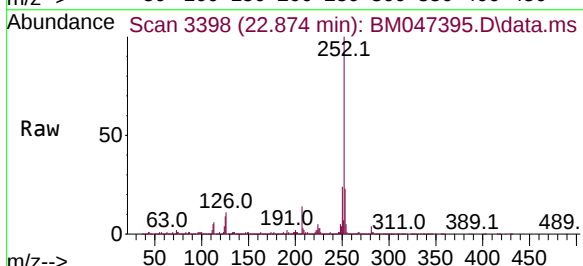
Tgt Ion:252 Resp: 1863448

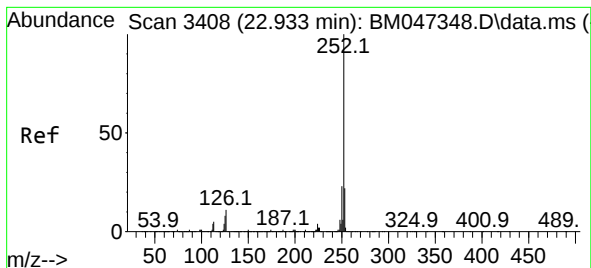
Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.6

125 8.8 6.6 10.0





#89

Benzo(k)fluoranthene

Concen: 10.892 ng m

RT: 22.921 min Scan# 3408

Delta R.T. -0.012 min

Lab File: BM047395.D

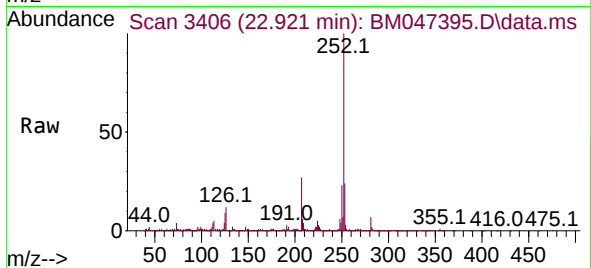
Acq: 29 Aug 2024 15:46

Instrument :

BNA_M

ClientSampleId :

S-865-N-SO-0-0.5-082824



Tgt Ion:252 Resp: 634749

Ion Ratio Lower Upper

252 100

253 23.6 17.5 26.3

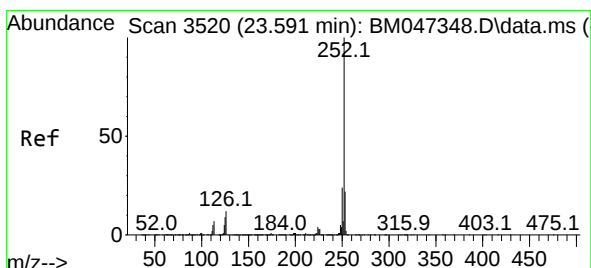
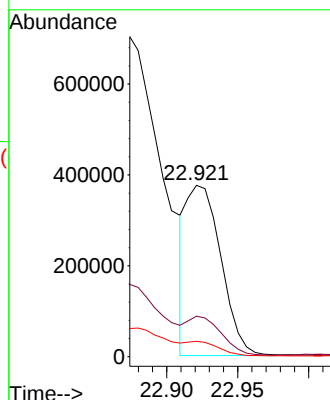
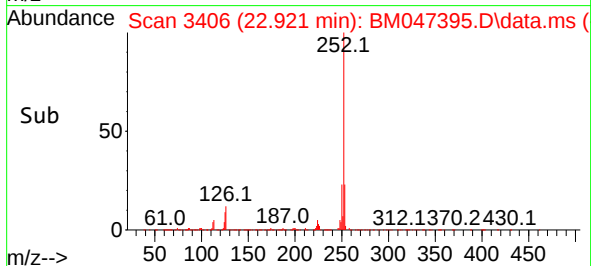
125 8.9 6.6 9.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/30/2024

Supervised By :mohammad ahmed 09/02/2024



#90

Benzo(a)pyrene

Concen: 24.762 ng

RT: 23.592 min Scan# 3520

Delta R.T. 0.000 min

Lab File: BM047395.D

Acq: 29 Aug 2024 15:46

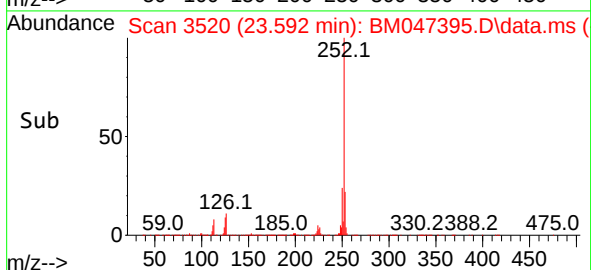
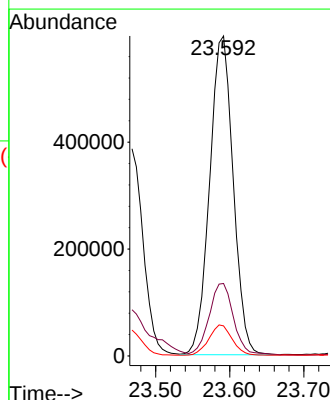
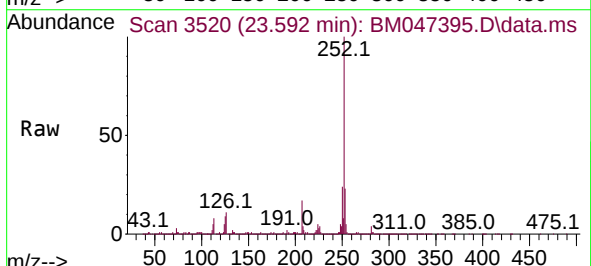
Tgt Ion:252 Resp: 1316435

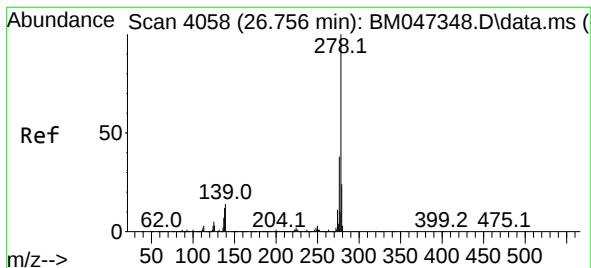
Ion Ratio Lower Upper

252 100

253 22.7 17.7 26.5

125 9.4 7.4 11.2





#91

Dibenzo(a,h)anthracene

Concen: 3.920 ng m

RT: 26.738 min Scan# 4058

Delta R.T. -0.017 min

Lab File: BM047395.D

Acq: 29 Aug 2024 15:46

Instrument :

BNA_M

ClientSampleId :

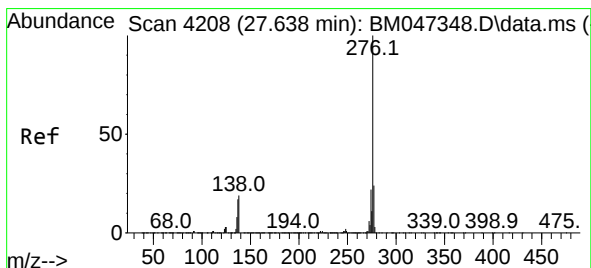
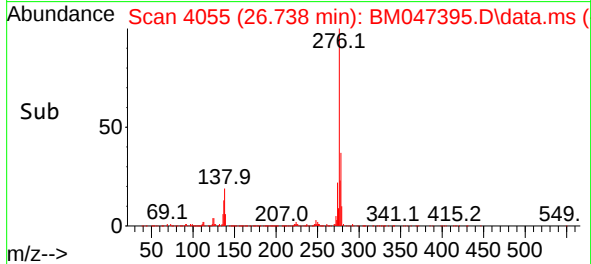
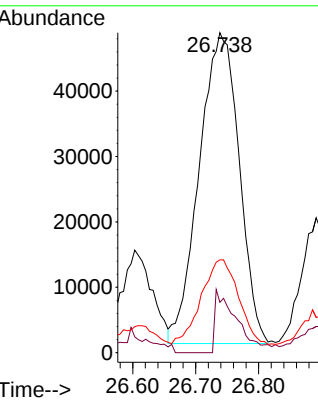
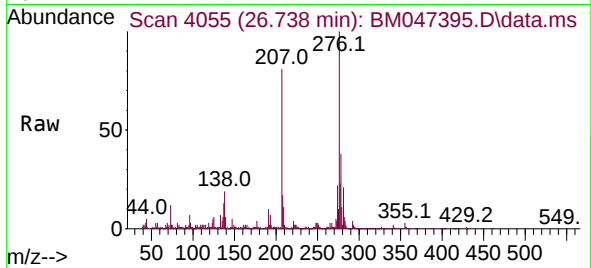
S-865-N-SO-0-0.5-082824

Tgt Ion:	278	Resp:	20946
Ion Ratio	Lower	Upper	
278	100		
139	15.8	11.1	16.7
279	29.0	19.2	28.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/30/2024
Supervised By :mohammad ahmed 09/02/2024



#92

Benzo(g,h,i)perylene

Concen: 13.926 ng

RT: 27.650 min Scan# 4210

Delta R.T. 0.012 min

Lab File: BM047395.D

Acq: 29 Aug 2024 15:46

Tgt Ion:	276	Resp:	773670
Ion Ratio	Lower	Upper	
276	100		
277	24.1	19.4	29.0
138	19.0	15.0	22.6

