

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082124\
 Data File : BM047302.D
 Acq On : 21 Aug 2024 17:45
 Operator : RC/JU
 Sample : P3617-12
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 VCPS-B5-081424-0-10

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/22/2024
 Supervised By :mohammad ahmed 08/23/2024

Quant Time: Aug 22 02:35:59 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	215530	20.000	ng	-0.02
21) Naphthalene-d8	10.110	136	810296	20.000	ng	-0.02
39) Acenaphthene-d10	14.015	164	544763	20.000	ng	-0.02
64) Phenanthrene-d10	16.780	188	1205417	20.000	ng	-0.01
76) Chrysene-d12	21.015	240	1111666	20.000	ng	-0.02
86) Perylene-d12	23.709	264	1068450	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.010	112	1056819	87.615	ng	-0.01
7) Phenol-d6	6.569	99	1396343	84.013	ng	-0.02
23) Nitrobenzene-d5	8.498	82	936735	58.210	ng	-0.02
42) 2,4,6-Tribromophenol	15.521	330	660100	104.502	ng	-0.02
45) 2-Fluorobiphenyl	12.621	172	2050724	58.067	ng	-0.02
79) Terphenyl-d14	19.444	244	3386206	65.270	ng	-0.02
Target Compounds						Qvalue
35) Caprolactam	11.080	113	13443m	3.104	ng	
71) Phenanthrene	16.821	178	763022	12.613	ng	100
72) Anthracene	16.909	178	178568	3.034	ng	99
75) Fluoranthene	18.856	202	1256370	17.074	ng	100
78) Pyrene	19.221	202	1078975	13.593	ng	99
81) Benzo(a)anthracene	20.997	228	660627	8.952	ng	100
83) Chrysene	21.056	228	588182	8.400	ng	98
87) Indeno(1,2,3-cd)pyrene	26.697	276	301925	4.372	ng	96
88) Benzo(b)fluoranthene	22.868	252	726809	11.455	ng	99
89) Benzo(k)fluoranthene	22.921	252	229315m	3.826	ng	
90) Benzo(a)pyrene	23.585	252	479298	8.720	ng	95
92) Benzo(g,h,i)perylene	27.620	276	289627	4.991	ng	99

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

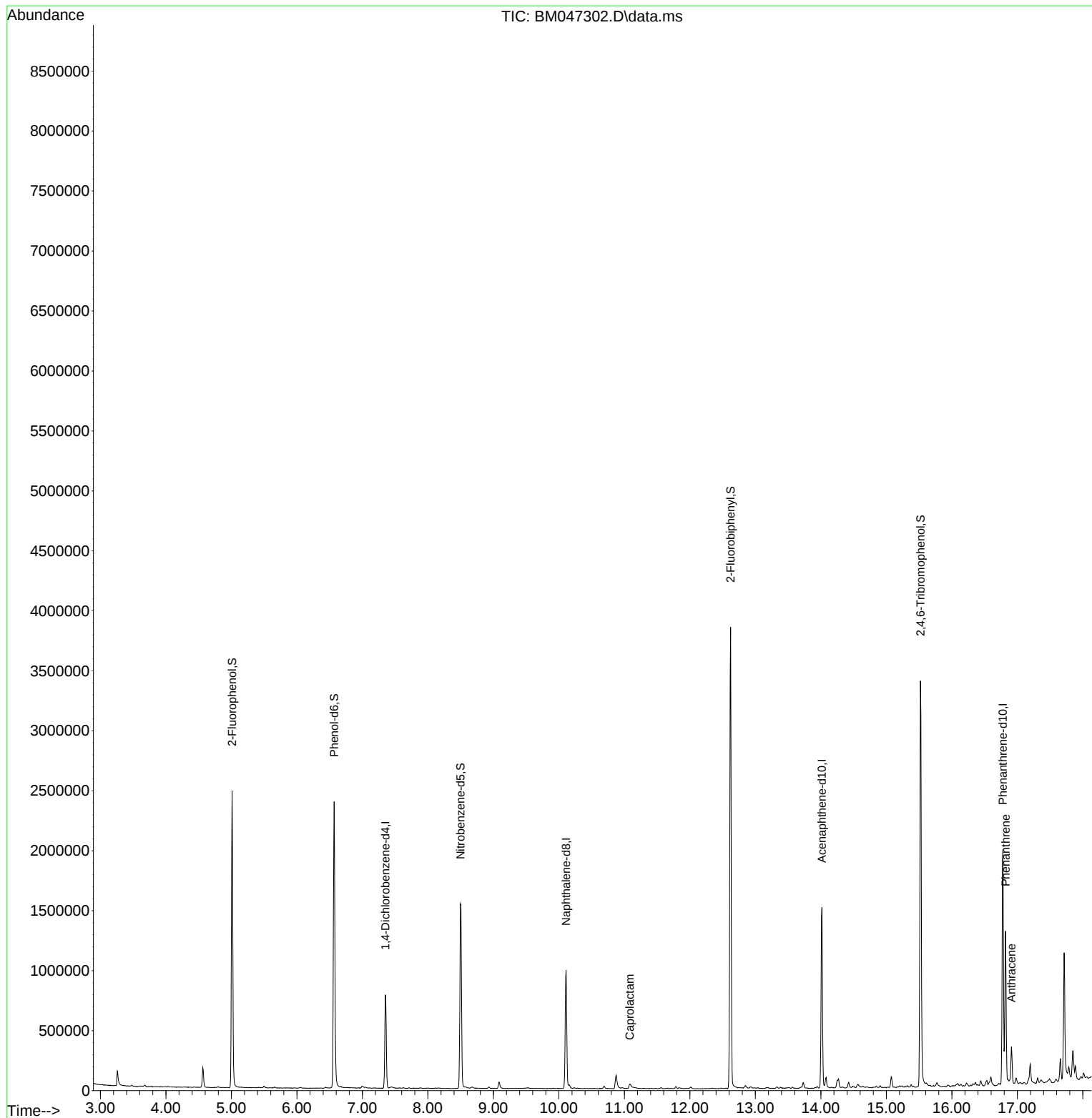
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082124\
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration



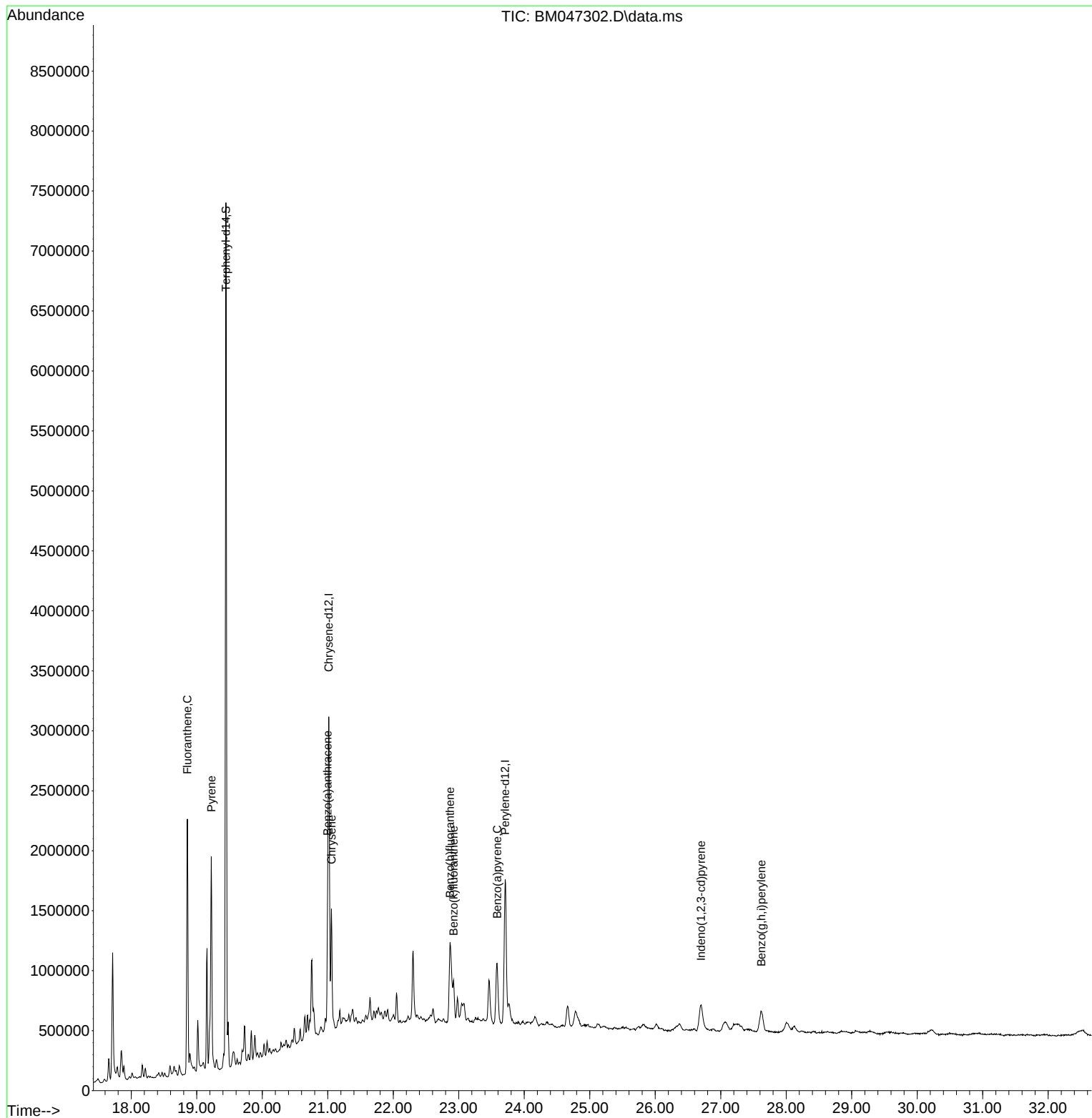
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Data File : BM047302.D
Acq On : 21 Aug 2024 17:45
Operator : RC/JU
Sample : P3617-12
Misc :
ALS Vial : 14 Sample Multiplier: 1

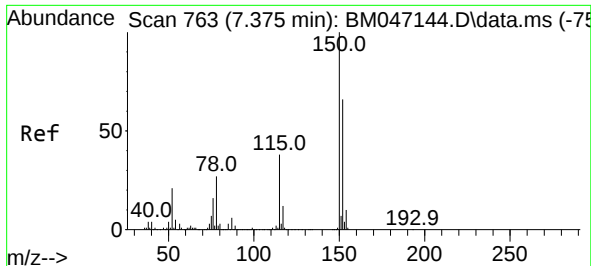
Instrument :
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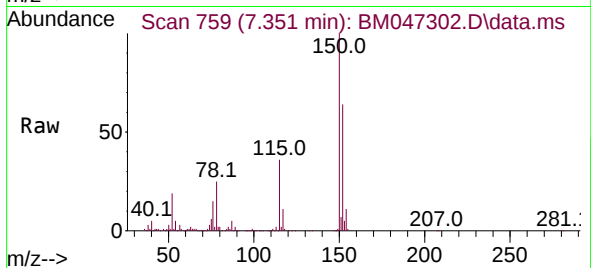
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.351 min Scan# 701
Delta R.T. -0.024 min
Lab File: BM047302.D
Acq: 21 Aug 2024 17:45

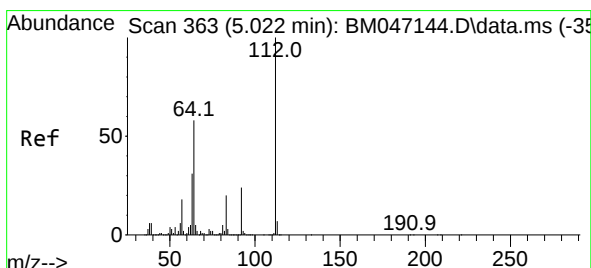
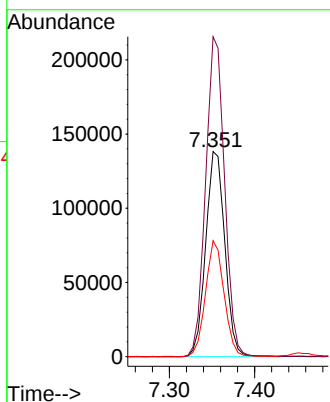
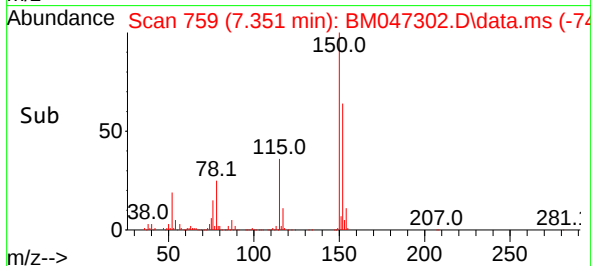
Instrument :
BNA_M
ClientSampleId :
VCPS-B5-081424-0-10



Tgt Ion:152 Resp: 215530
Ion Ratio Lower Upper
152 100
150 156.0 120.5 180.7
115 56.6 45.5 68.3

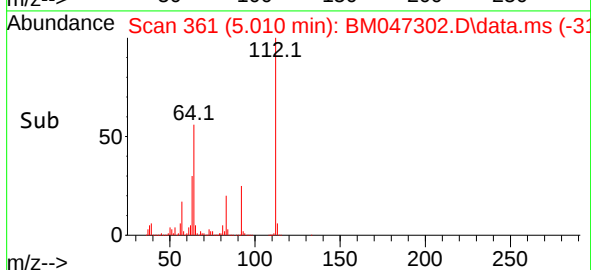
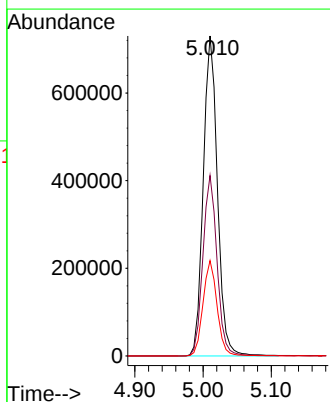
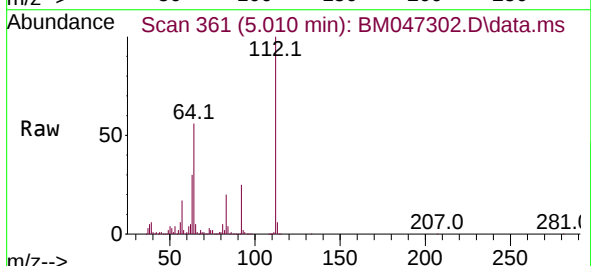
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#5
2-Fluorophenol
Concen: 87.615 ng
RT: 5.010 min Scan# 361
Delta R.T. -0.012 min
Lab File: BM047302.D
Acq: 21 Aug 2024 17:45

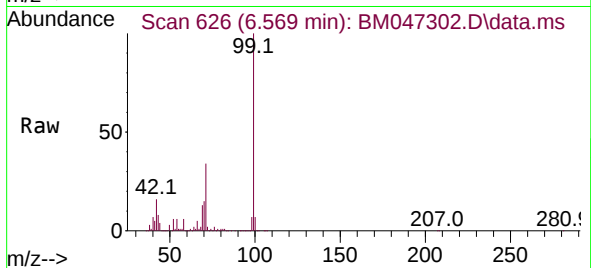
Tgt Ion:112 Resp: 1056819
Ion Ratio Lower Upper
112 100
64 56.4 46.7 70.1
63 29.8 24.8 37.2





#7
Phenol-d6
Concen: 84.013 ng
RT: 6.569 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM047302.D
Acq: 21 Aug 2024 17:45

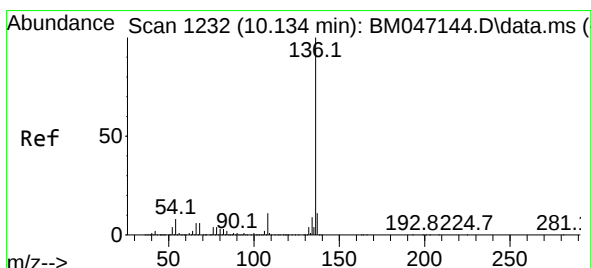
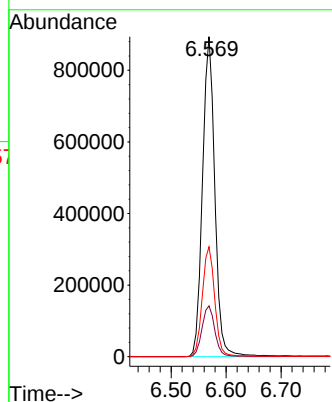
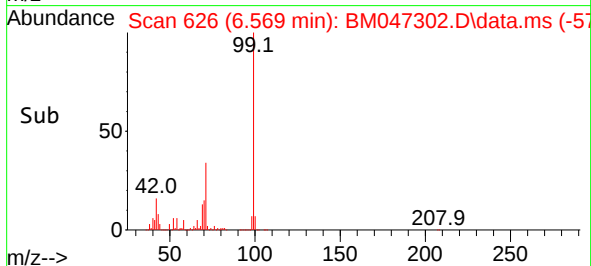
Instrument :
BNA_M
ClientSampleId :
VCPS-B5-081424-0-10



Tgt Ion: 99 Resp: 139634
Ion Ratio Lower Upper
99 100
42 15.9 14.1 21.1
71 34.4 28.5 42.7

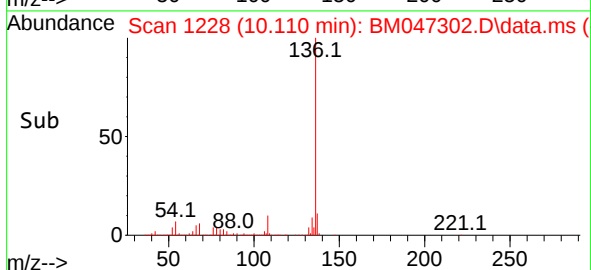
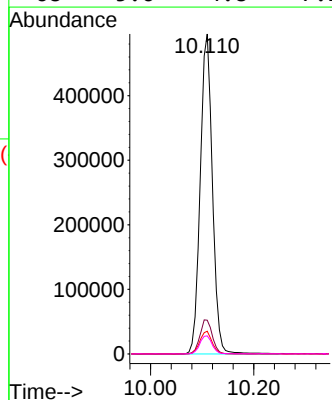
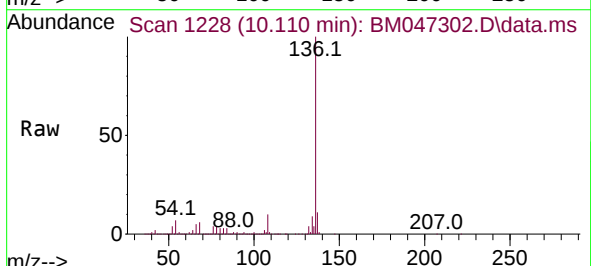
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.110 min Scan# 1228
Delta R.T. -0.024 min
Lab File: BM047302.D
Acq: 21 Aug 2024 17:45

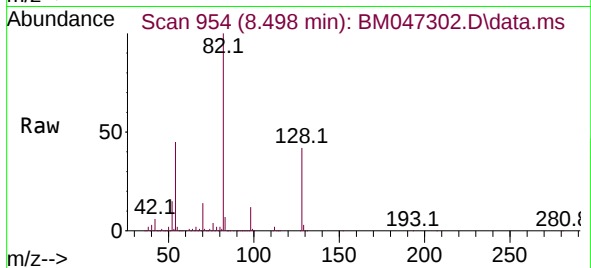
Tgt Ion:136 Resp: 810296
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 7.1 6.0 9.0
68 5.6 4.8 7.2





#23
Nitrobenzene-d5
Concen: 58.210 ng
RT: 8.498 min Scan# 91
Delta R.T. -0.024 min
Lab File: BM047302.D
Acq: 21 Aug 2024 17:45

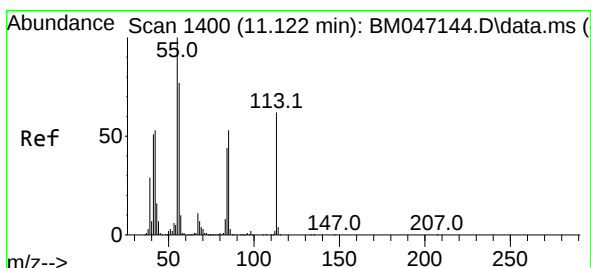
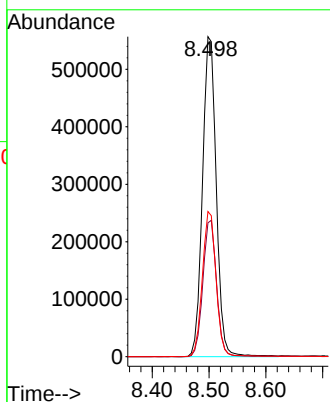
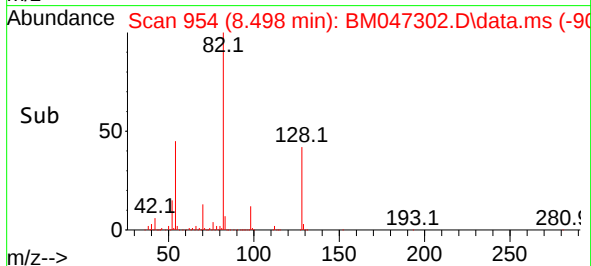
Instrument :
BNA_M
ClientSampleId :
VCPS-B5-081424-0-10



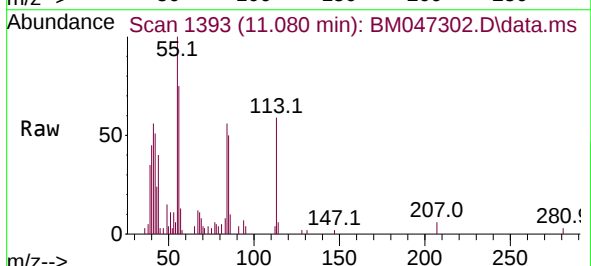
Tgt Ion: 82 Resp: 936735
Ion Ratio Lower Upper
82 100
128 41.8 32.3 48.5
54 45.3 37.4 56.2

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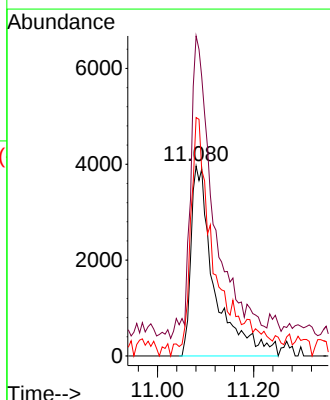
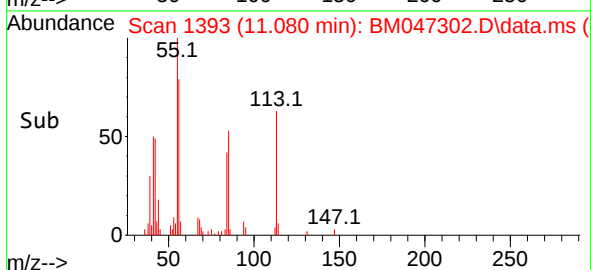
Reviewed By :Jagrut Upadhyay 08/22/2024
Supervised By :mohammad ahmed 08/23/2024

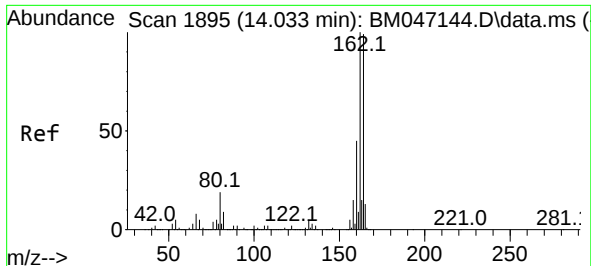


#35
Caprolactam
Concen: 3.104 ng m
RT: 11.080 min Scan# 1393
Delta R.T. -0.041 min
Lab File: BM047302.D
Acq: 21 Aug 2024 17:45



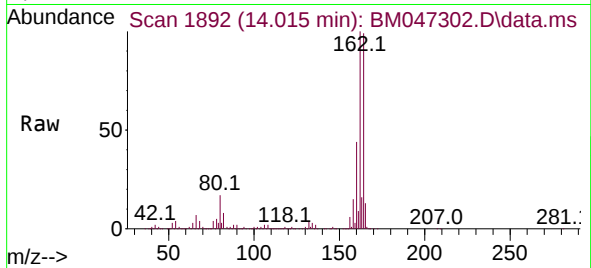
Tgt Ion:113 Resp: 13443
Ion Ratio Lower Upper
113 100
55 168.5 140.5 180.5
56 125.5 103.6 143.6





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.015 min Scan# 11
Delta R.T. -0.018 min
Lab File: BM047302.D
Acq: 21 Aug 2024 17:45

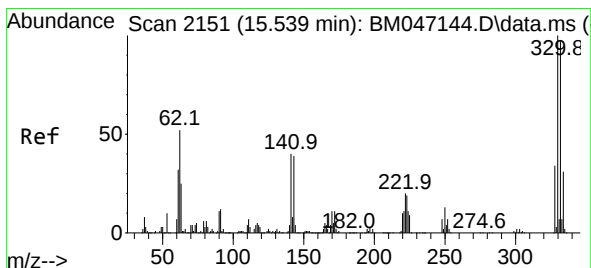
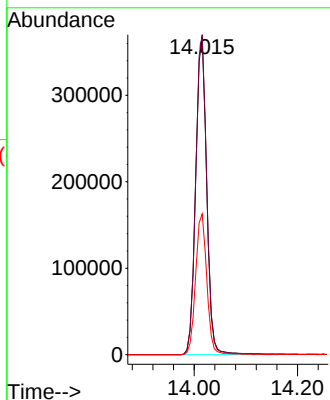
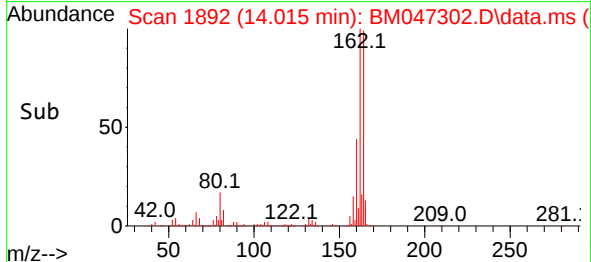
Instrument :
BNA_M
ClientSampleId :
VCPS-B5-081424-0-10



Tgt Ion:164 Resp: 54476
Ion Ratio Lower Upper
164 100
162 100.7 80.7 121.1
160 44.3 36.0 54.0

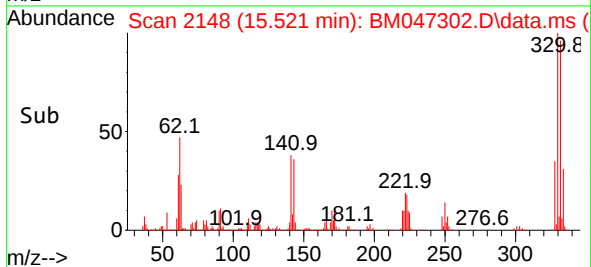
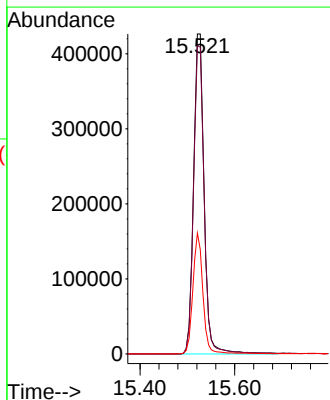
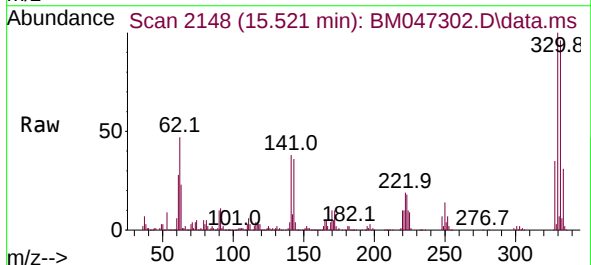
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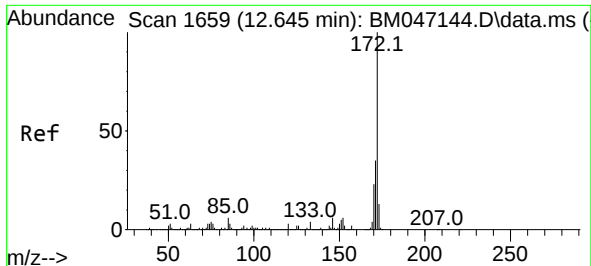
Reviewed By :Jagrut Upadhyay 08/22/2024
Supervised By :mohammad ahmed 08/23/2024



#42
2,4,6-Tribromophenol
Concen: 104.502 ng
RT: 15.521 min Scan# 2148
Delta R.T. -0.018 min
Lab File: BM047302.D
Acq: 21 Aug 2024 17:45

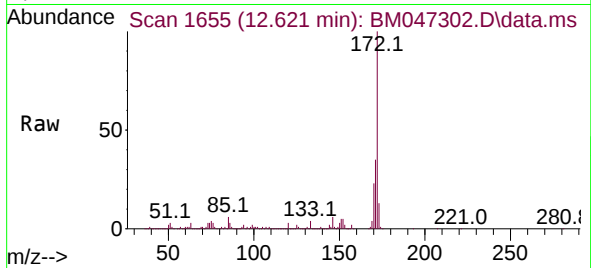
Tgt Ion:330 Resp: 660100
Ion Ratio Lower Upper
330 100
332 96.8 77.4 116.2
141 36.2 31.6 47.4





#45
2-Fluorobiphenyl
Concen: 58.067 ng
RT: 12.621 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM047302.D
Acq: 21 Aug 2024 17:45

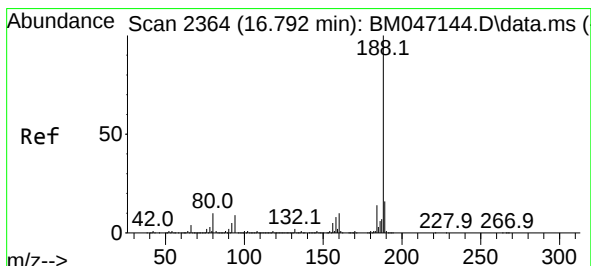
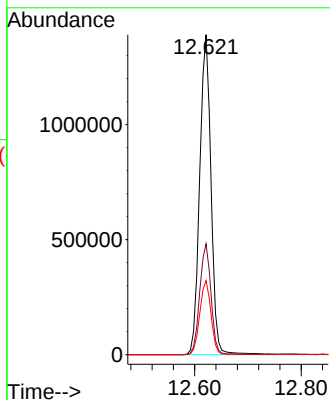
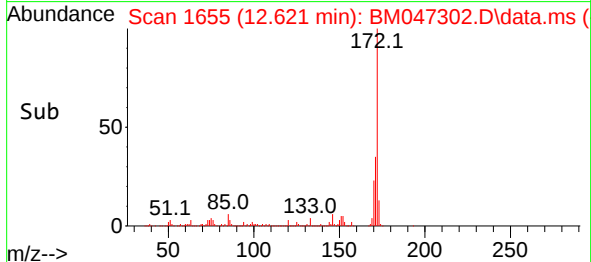
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Tgt Ion:172 Resp: 2050724
Ion Ratio Lower Upper
172 100
171 34.6 27.8 41.6
170 23.2 18.7 28.1

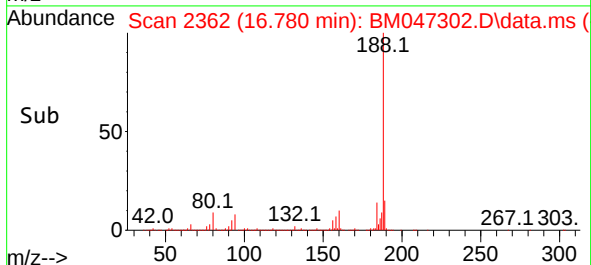
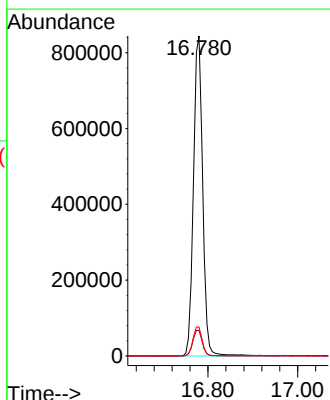
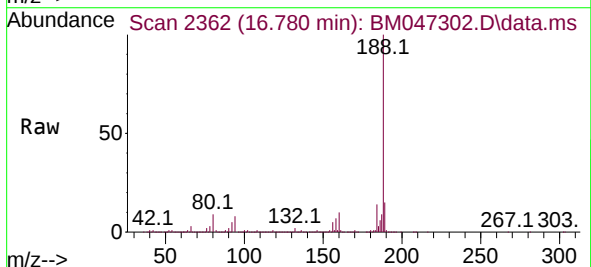
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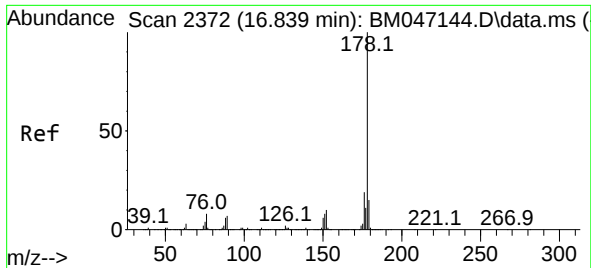
Reviewed By :Jagrut Upadhyay 08/22/2024
Supervised By :mohammad ahmed 08/23/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.780 min Scan# 2362
Delta R.T. -0.012 min
Lab File: BM047302.D
Acq: 21 Aug 2024 17:45

Tgt Ion:188 Resp: 1205417
Ion Ratio Lower Upper
188 100
94 8.0 7.0 10.6
80 9.1 8.0 12.0





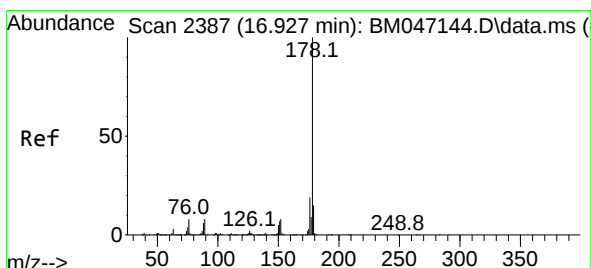
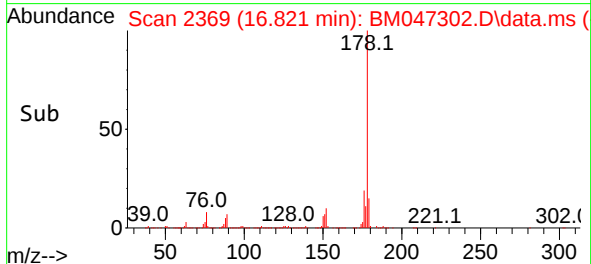
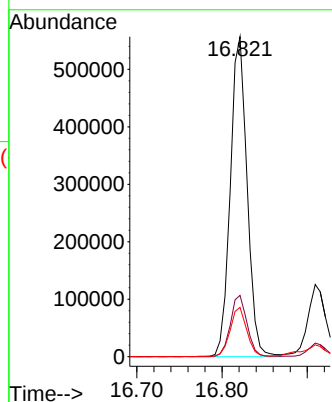
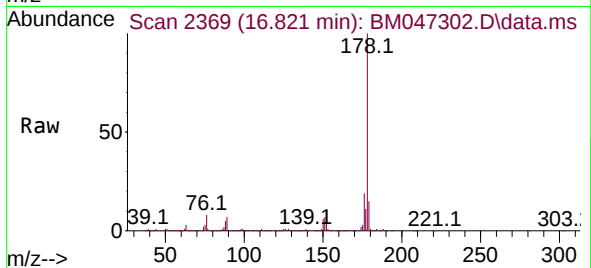
#71
Phenanthrene
Concen: 12.613 ng
RT: 16.821 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM047302.D
Acq: 21 Aug 2024 17:45

Instrument :
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ClientSampleId :
VCPS-B5-081424-0-10

Tgt Ion:178 Resp: 76302
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.4 12.4 18.6

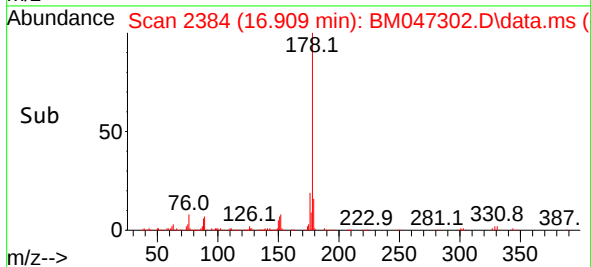
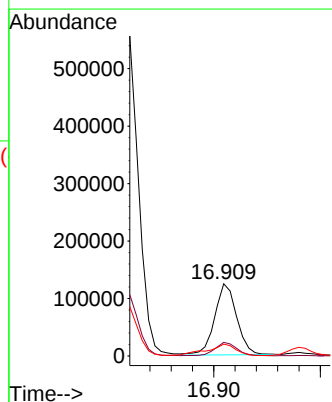
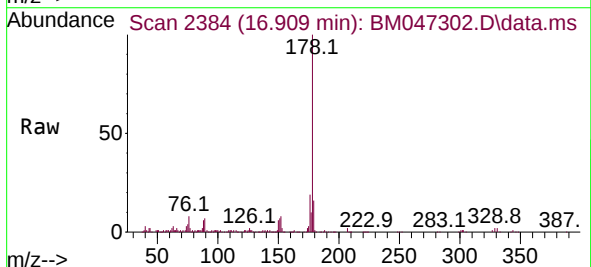
Manual Integrations
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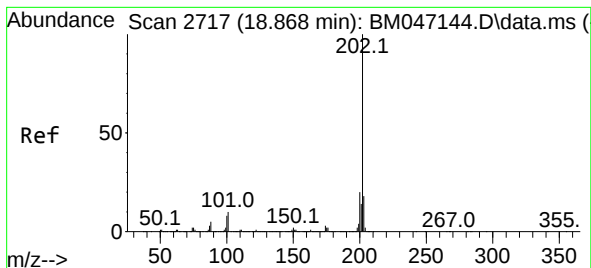
Reviewed By :Jagrut Upadhyay 08/22/2024
Supervised By :mohammad ahmed 08/23/2024



#72
Anthracene
Concen: 3.034 ng
RT: 16.909 min Scan# 2384
Delta R.T. -0.018 min
Lab File: BM047302.D
Acq: 21 Aug 2024 17:45

Tgt Ion:178 Resp: 178568
Ion Ratio Lower Upper
178 100
176 18.9 14.8 22.2
179 16.4 12.4 18.6





#75

Fluoranthene

Concen: 17.074 ng

RT: 18.856 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM047302.D

Acq: 21 Aug 2024 17:45

Instrument :

BNA_M

ClientSampleId :

VCPS-B5-081424-0-10

Tgt Ion:202 Resp: 1256370

Ion Ratio Lower Upper

202 100

101 9.9 0.0 30.2

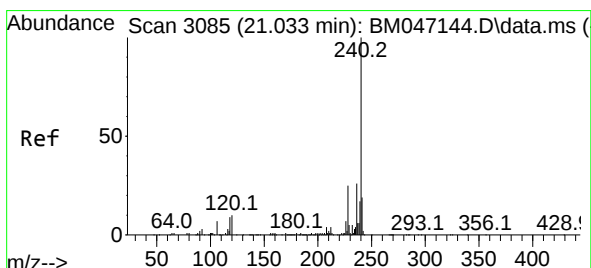
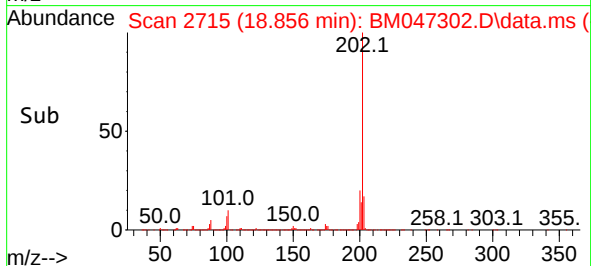
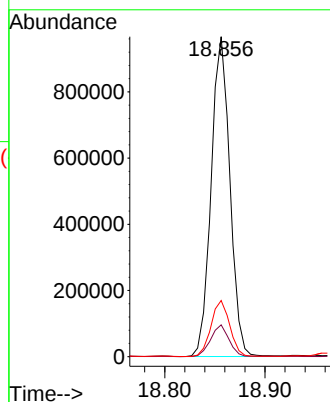
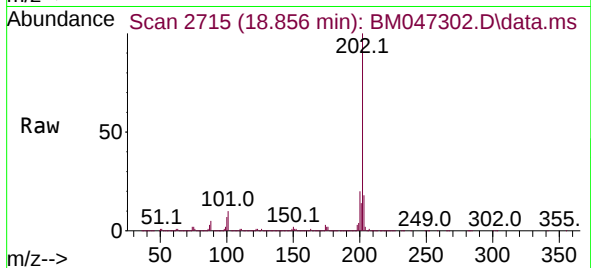
203 17.5 0.0 37.6

Manual Integrations

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Supervised By :mohammad ahmed 08/23/2024



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.015 min Scan# 3082

Delta R.T. -0.018 min

Lab File: BM047302.D

Acq: 21 Aug 2024 17:45

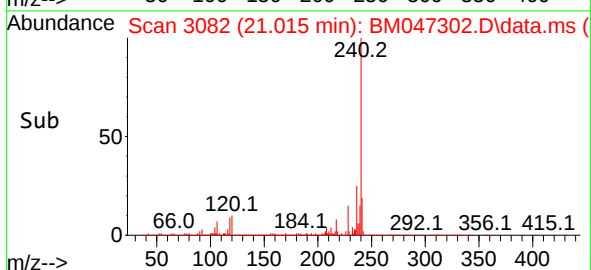
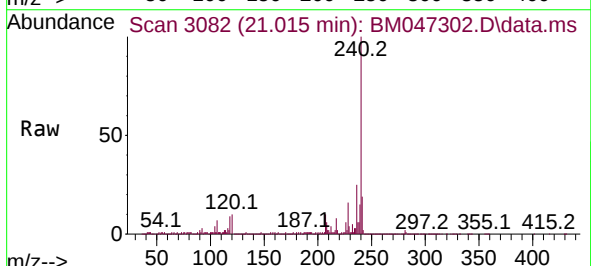
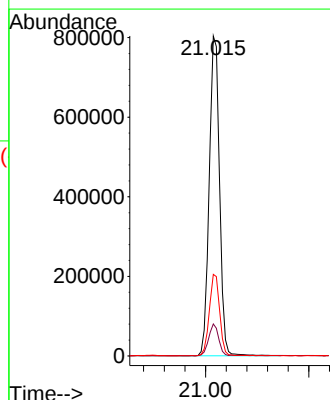
Tgt Ion:240 Resp: 1111666

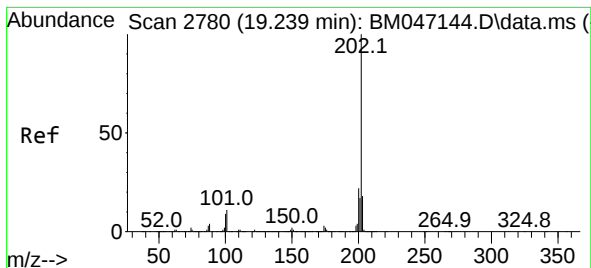
Ion Ratio Lower Upper

240 100

120 10.0 8.2 12.2

236 25.5 20.6 30.8





#78

Pyrene

Concen: 13.593 ng

RT: 19.221 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM047302.D

Acq: 21 Aug 2024 17:45

Instrument :

BNA_M

ClientSampleId :

VCPS-B5-081424-0-10

Tgt Ion:202 Resp: 107897

Ion Ratio Lower Upper

202 100

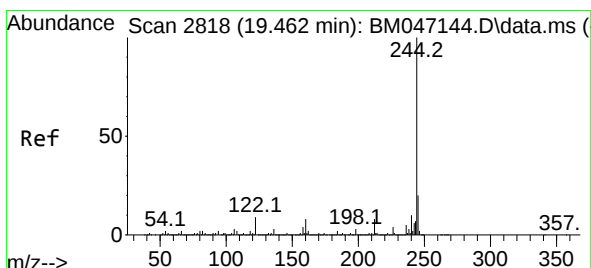
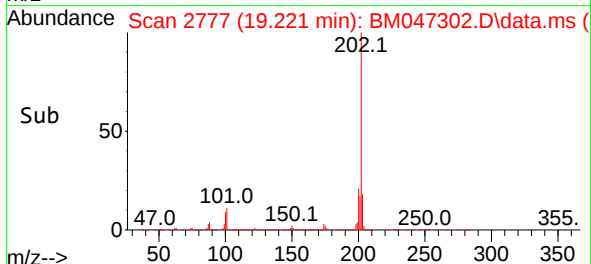
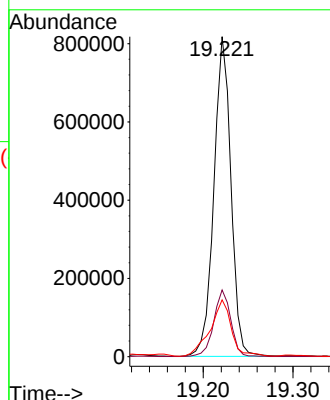
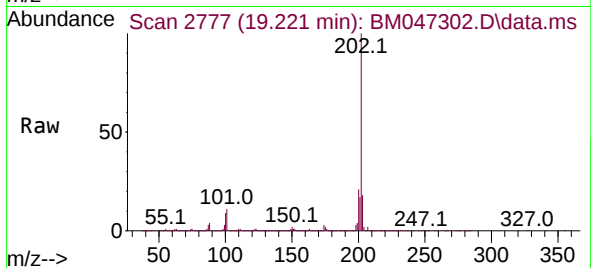
200 20.9 17.2 25.8

203 17.7 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/22/2024
Supervised By :mohammad ahmed 08/23/2024



#79

Terphenyl-d14

Concen: 65.270 ng

RT: 19.444 min Scan# 2815

Delta R.T. -0.018 min

Lab File: BM047302.D

Acq: 21 Aug 2024 17:45

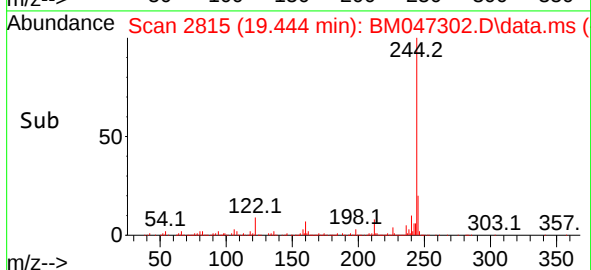
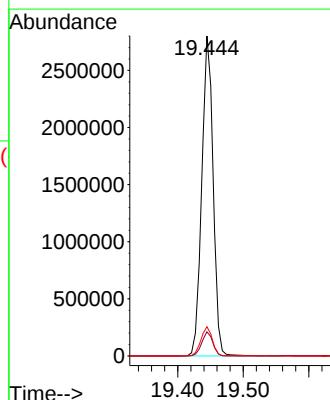
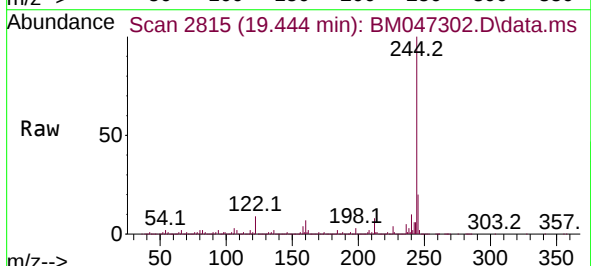
Tgt Ion:244 Resp: 3386206

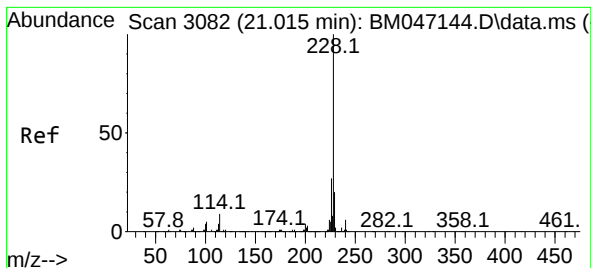
Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.4

122 9.2 7.1 10.7





#81

Benzo(a)anthracene

Concen: 8.952 ng

RT: 20.997 min Scan# 3082

Delta R.T. -0.018 min

Lab File: BM047302.D

Acq: 21 Aug 2024 17:45

Instrument :

BNA_M

ClientSampleId :

VCPS-B5-081424-0-10

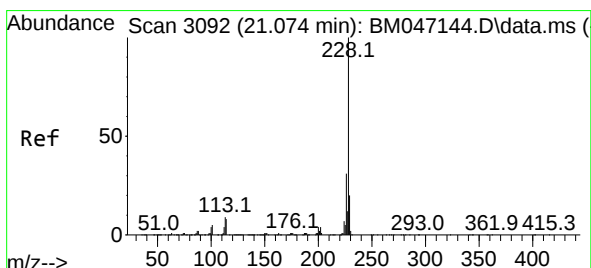
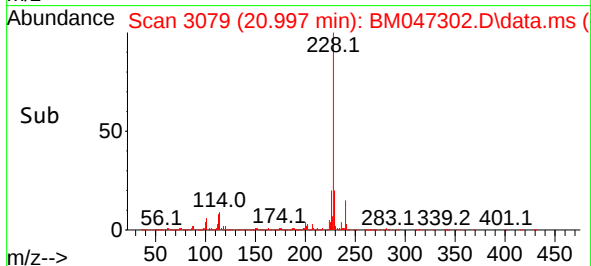
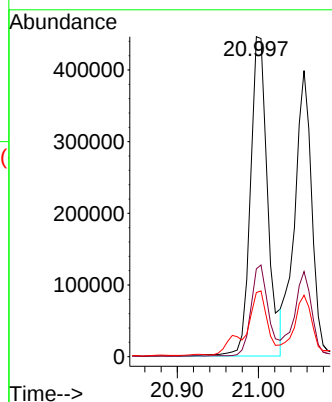
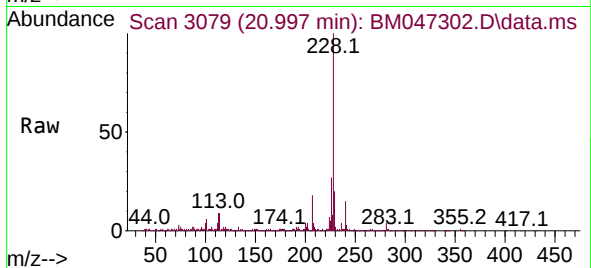
Tgt Ion:228 Resp: 66062

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.8	32.6
229	20.0	15.8	23.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/22/2024
Supervised By :mohammad ahmed 08/23/2024



#83

Chrysene

Concen: 8.400 ng

RT: 21.056 min Scan# 3089

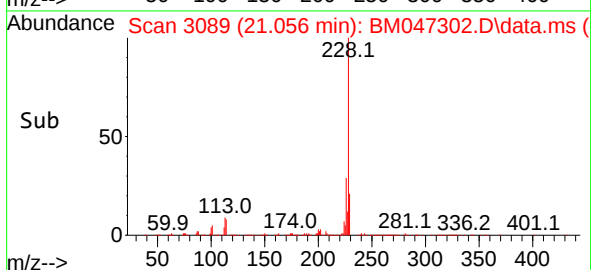
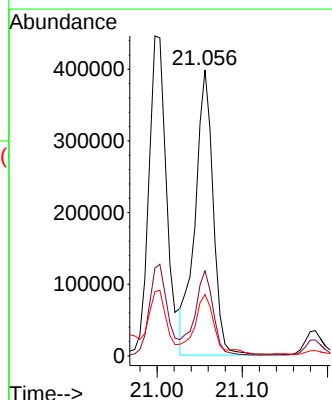
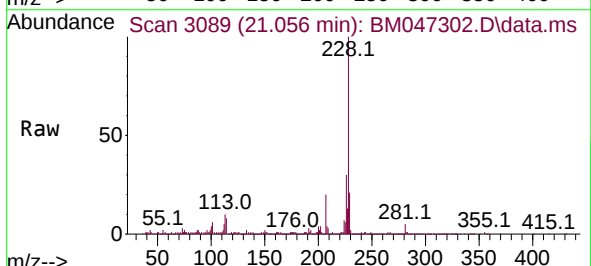
Delta R.T. -0.018 min

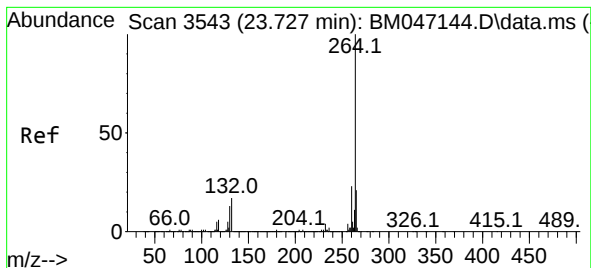
Lab File: BM047302.D

Acq: 21 Aug 2024 17:45

Tgt Ion:228 Resp: 588182

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.4	36.6
229	21.5	15.7	23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.709 min Scan# 3

Delta R.T. -0.018 min

Lab File: BM047302.D

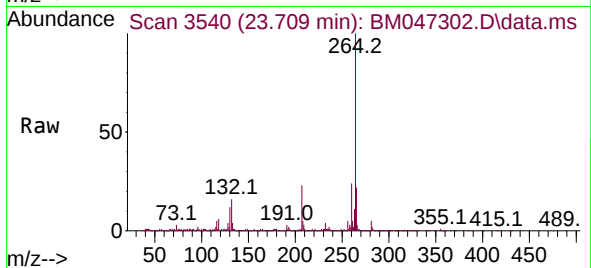
Acq: 21 Aug 2024 17:45

Instrument :

BNA_M

ClientSampleId :

VCPS-B5-081424-0-10



Tgt Ion:264 Resp: 1068450

Ion Ratio Lower Upper

264 100

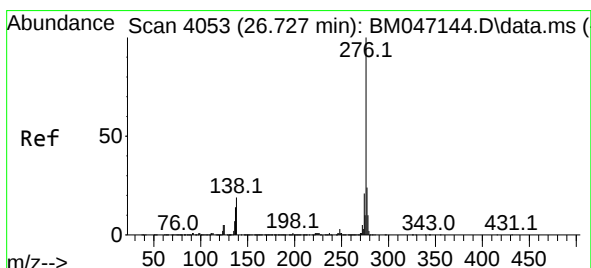
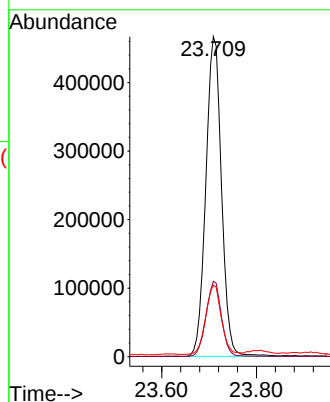
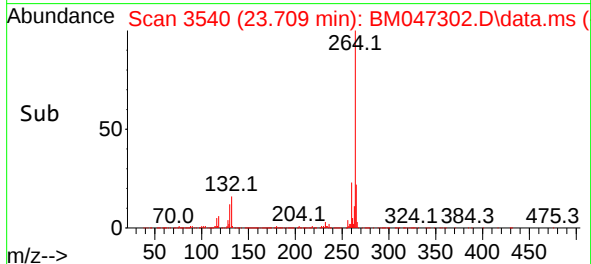
260 23.6 18.5 27.7

265 22.4 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/22/2024
Supervised By :mohammad ahmed 08/23/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.372 ng

RT: 26.697 min Scan# 4048

Delta R.T. -0.030 min

Lab File: BM047302.D

Acq: 21 Aug 2024 17:45

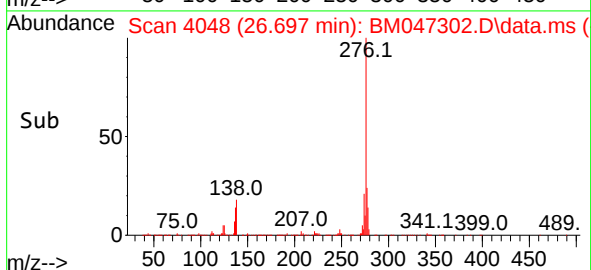
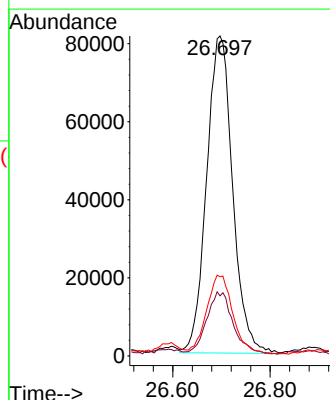
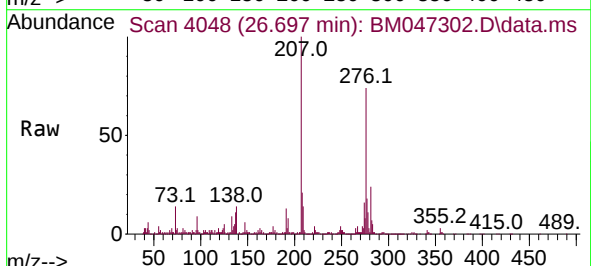
Tgt Ion:276 Resp: 301925

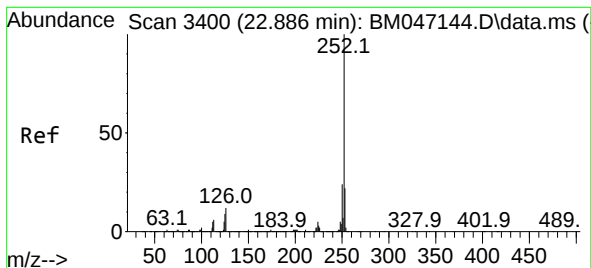
Ion Ratio Lower Upper

276 100

138 20.1 19.4 29.0

277 24.8 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 11.455 ng

RT: 22.868 min Scan# 31

Delta R.T. -0.018 min

Lab File: BM047302.D

Acq: 21 Aug 2024 17:45

Instrument :

BNA_M

ClientSampleId :

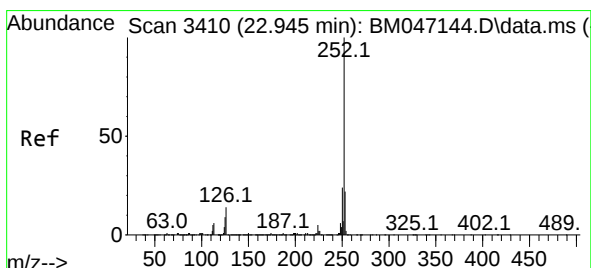
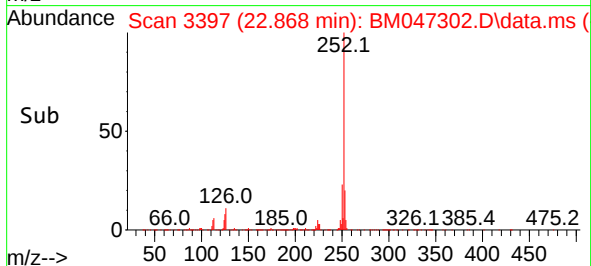
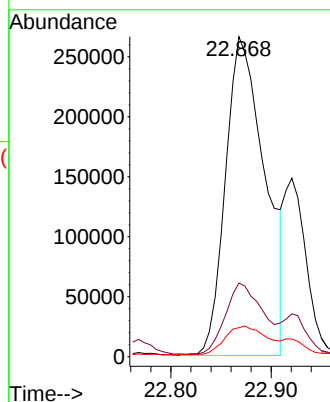
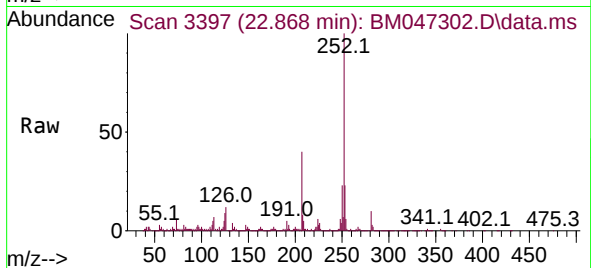
VCPS-B5-081424-0-10

Tgt Ion:252 Resp: 726809
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.8 26.6
 125 9.0 7.4 11.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/22/2024
 Supervised By :mohammad ahmed 08/23/2024



#89

Benzo(k)fluoranthene

Concen: 3.826 ng m

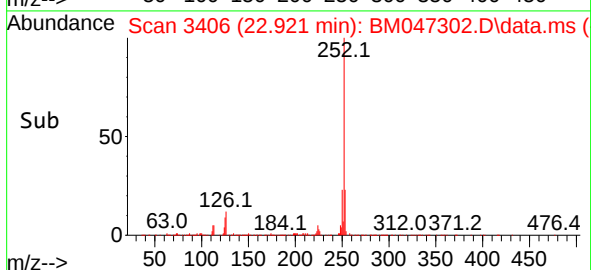
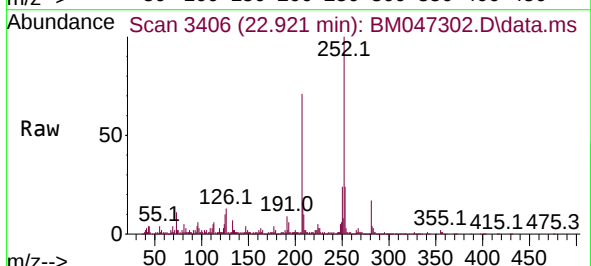
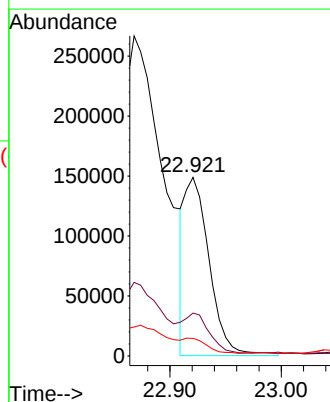
RT: 22.921 min Scan# 3406

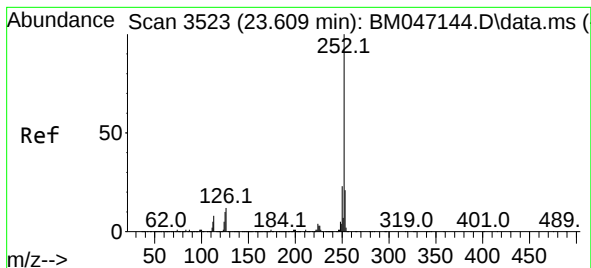
Delta R.T. -0.024 min

Lab File: BM047302.D

Acq: 21 Aug 2024 17:45

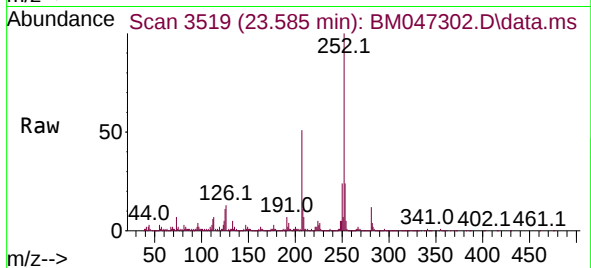
Tgt Ion:252 Resp: 229315
 Ion Ratio Lower Upper
 252 100
 253 24.0 17.7 26.5
 125 9.9 7.4 11.2





#90
Benzo(a)pyrene
Concen: 8.720 ng
RT: 23.585 min Scan# 31
Delta R.T. -0.024 min
Lab File: BM047302.D
Acq: 21 Aug 2024 17:45

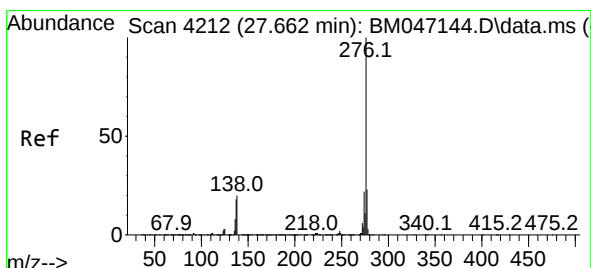
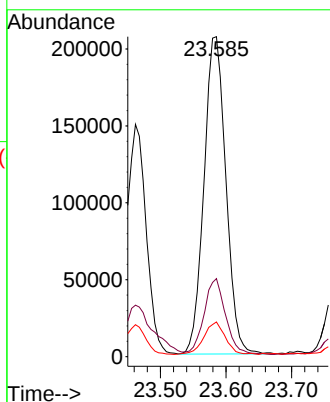
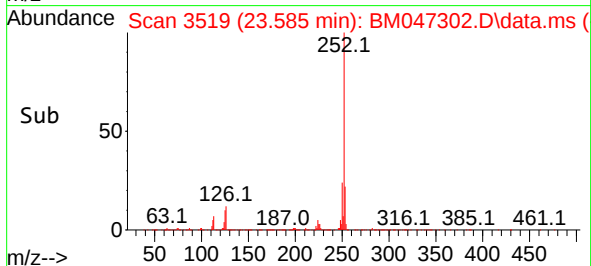
Instrument :
BNA_M
ClientSampleId :
VCPS-B5-081424-0-10



Tgt Ion:252 Resp: 479298
Ion Ratio Lower Upper
252 100
253 24.4 17.1 25.7
125 10.8 8.2 12.2

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/22/2024
Supervised By :mohammad ahmed 08/23/2024



#92
Benzo(g,h,i)perylene
Concen: 4.991 ng
RT: 27.620 min Scan# 4205
Delta R.T. -0.041 min
Lab File: BM047302.D
Acq: 21 Aug 2024 17:45

Tgt Ion:276 Resp: 289627
Ion Ratio Lower Upper
276 100
277 24.0 18.8 28.2
138 20.5 16.2 24.4

