

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052124\
 Data File : BF137991.D
 Acq On : 21 May 2024 21:45
 Operator : CG\JU
 Sample : P2519-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B2COMP(0-8)

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/22/2024
 Supervised By :mohammad ahmed 05/24/2024

Quant Time: May 22 01:32:59 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 15 04:12:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.034	152	152455	20.000	ng	-0.01
21) Naphthalene-d8	8.316	136	584331	20.000	ng	-0.01
39) Acenaphthene-d10	10.081	164	308084	20.000	ng	0.00
64) Phenanthrene-d10	11.575	188	421273	20.000	ng	0.00
76) Chrysene-d12	14.227	240	303179	20.000	ng	0.00
86) Perylene-d12	15.792	264	228838	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.651	112	326985	36.432	ng	-0.01
7) Phenol-d6	6.646	99	917719	83.007	ng	-0.01
23) Nitrobenzene-d5	7.593	82	594117	59.836	ng	-0.02
42) 2,4,6-Tribromophenol	10.869	330	47397	15.258	ng	-0.01
45) 2-Fluorobiphenyl	9.392	172	1219071	60.952	ng	0.00
79) Terphenyl-d14	13.163	244	938886	45.641	ng	0.00
Target Compounds						Qvalue
55) Dibenzofuran	10.281	168	49725	2.084	ng	98
58) Fluorene	10.628	166	42045	2.228	ng	98
71) Phenanthrene	11.598	178	707997	34.104	ng	99
72) Anthracene	11.651	178	143466	6.965	ng	99
73) Carbazole	11.804	167	54921	2.919	ng	100
75) Fluoranthene	12.798	202	1013080	48.078	ng	99
78) Pyrene	13.027	202	906175	34.173	ng	100
81) Benzo(a)anthracene	14.216	228	493061	25.706	ng	96
83) Chrysene	14.251	228	452236	24.653	ng	98
87) Indeno(1,2,3-cd)pyrene	17.404	276	138725	9.436	ng	96
88) Benzo(b)fluoranthene	15.321	252	477157m	36.012	ng	
89) Benzo(k)fluoranthene	15.345	252	139521m	10.719	ng	
90) Benzo(a)pyrene	15.721	252	267131	23.611	ng	98
91) Dibenzo(a,h)anthracene	17.421	278	35636m	2.934	ng	
92) Benzo(g,h,i)perylene	17.904	276	137231	10.754	ng	98

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

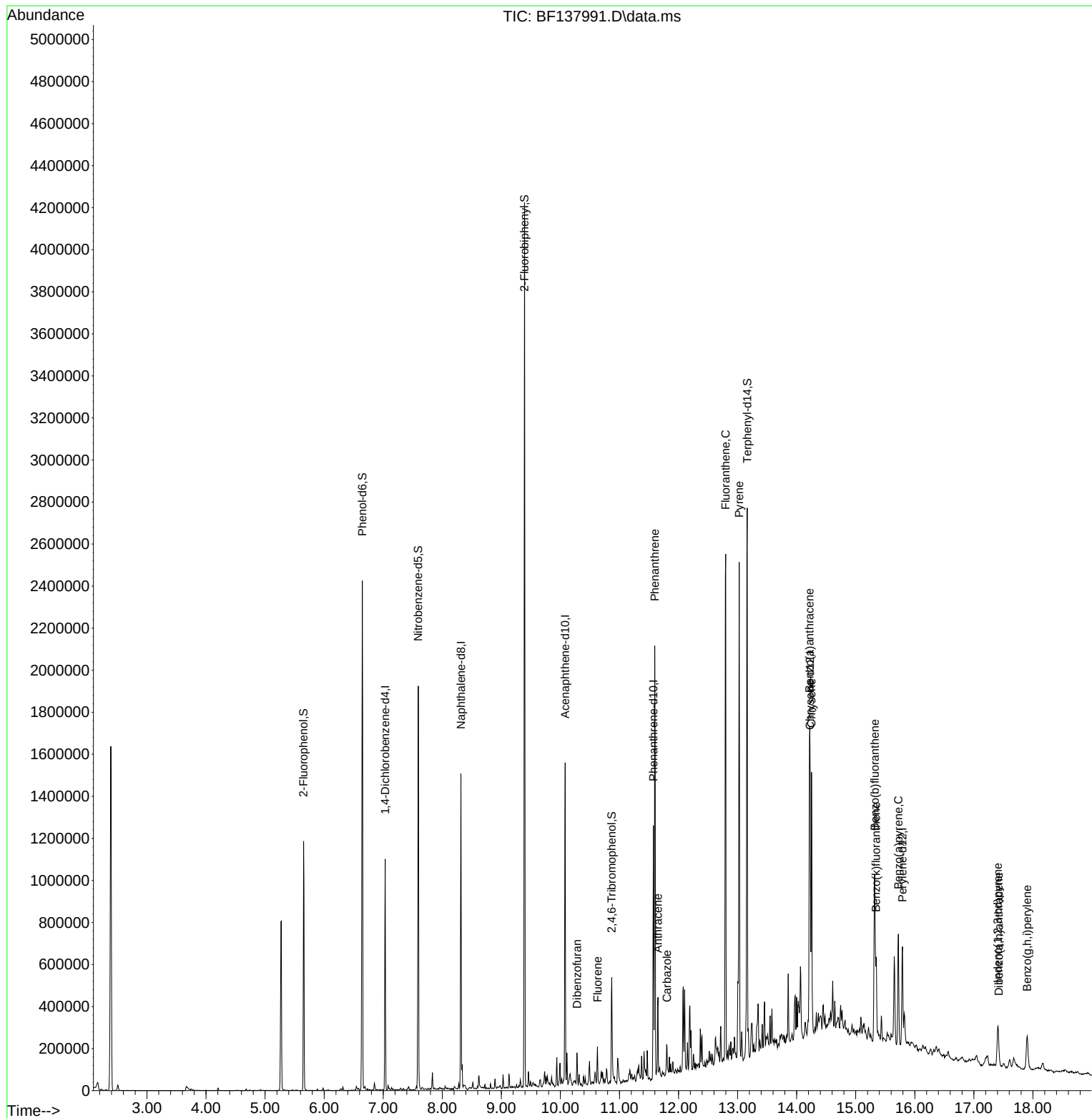
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052124\
Data File : BF137991.D
Acq On : 21 May 2024 21:45
Operator : CG\JU
Sample : P2519-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

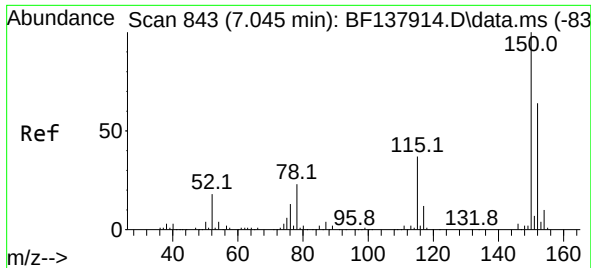
Instrument :
BNA_F
ClientSampleId :
B2COMP(0-8)

Quant Time: May 22 01:32:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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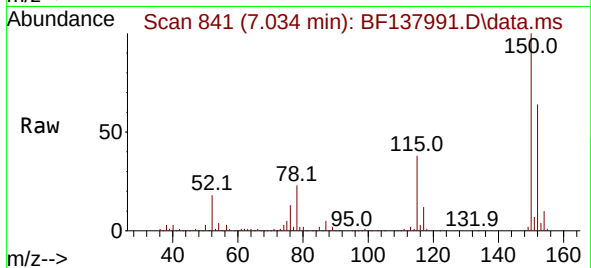
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.034 min Scan# 843
Delta R.T. -0.011 min
Lab File: BF137991.D
Acq: 21 May 2024 21:45

Instrument :

BNA_F

ClientSampleId :

B2COMP(0-8)

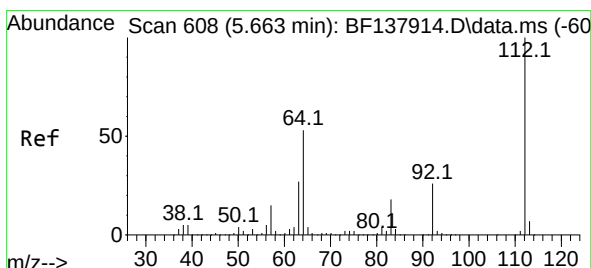
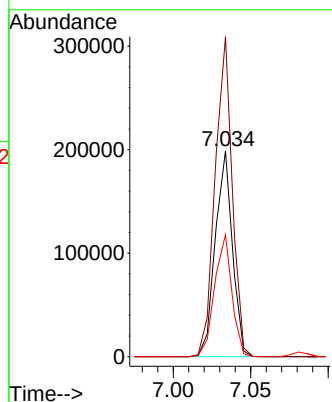
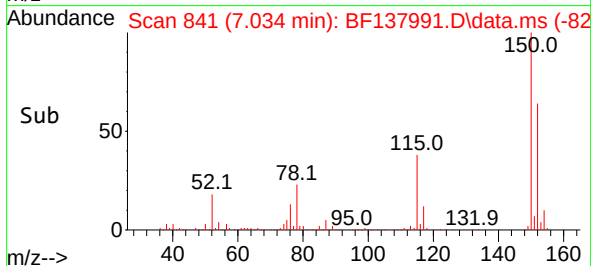


Tgt Ion:152 Resp: 15245
Ion Ratio Lower Upper
152 100
150 155.6 125.7 188.5
115 59.3 47.0 70.6

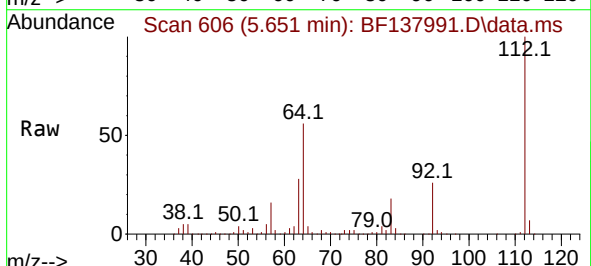
Manual Integrations

APPROVED

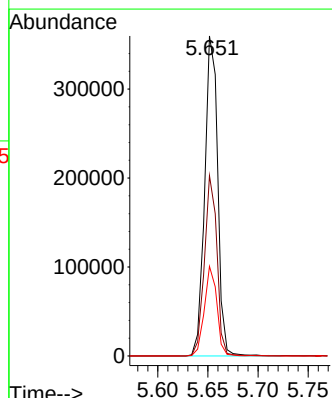
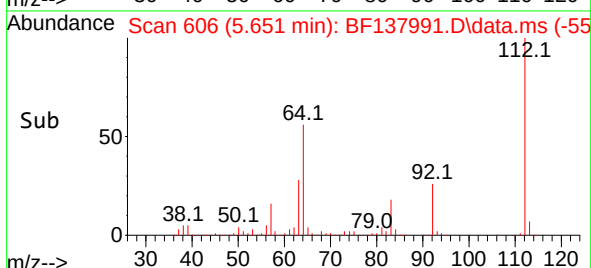
Reviewed By :Jagrut Upadhyay 05/22/2024
Supervised By :mohammad ahmed 05/24/2024

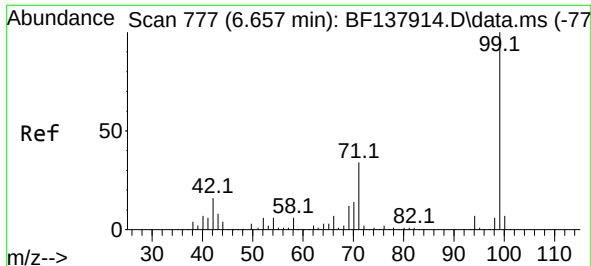


#5
2-Fluorophenol
Concen: 36.432 ng
RT: 5.651 min Scan# 606
Delta R.T. -0.012 min
Lab File: BF137991.D
Acq: 21 May 2024 21:45



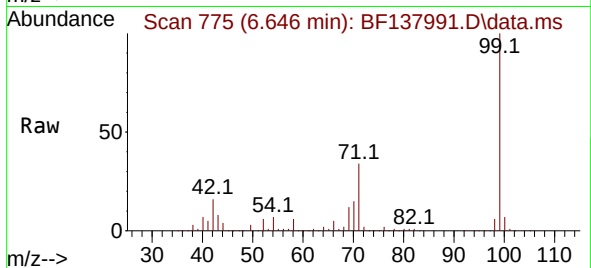
Tgt Ion:112 Resp: 326985
Ion Ratio Lower Upper
112 100
64 56.4 42.4 63.6
63 28.0 21.4 32.2





#7
Phenol-d6
Concen: 83.007 ng
RT: 6.646 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF137991.D
Acq: 21 May 2024 21:45

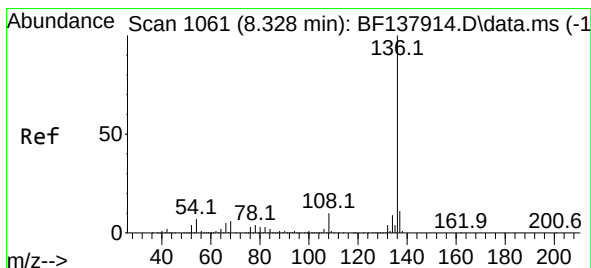
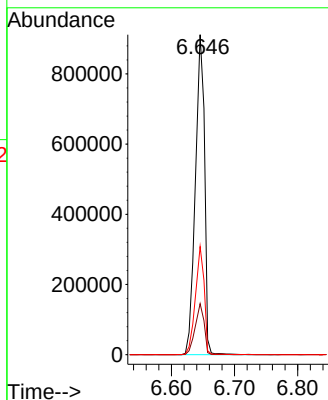
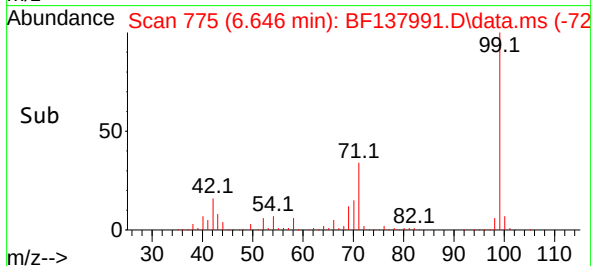
Instrument :
BNA_F
ClientSampleId :
B2COMP(0-8)



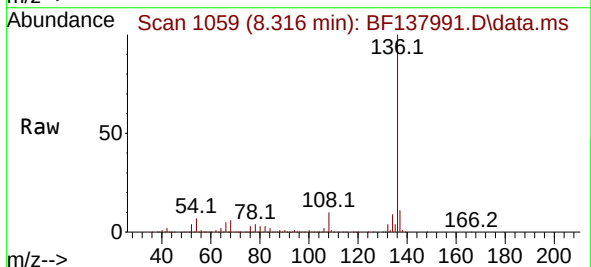
Tgt Ion: 99 Resp: 917719
Ion Ratio Lower Upper
99 100
42 15.9 12.6 18.8
71 33.8 27.1 40.7

Manual Integrations
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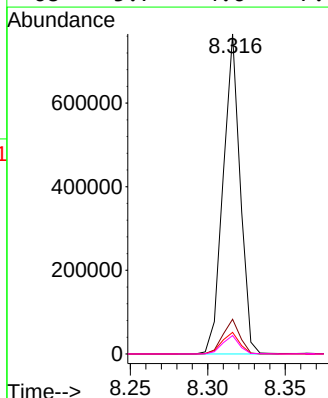
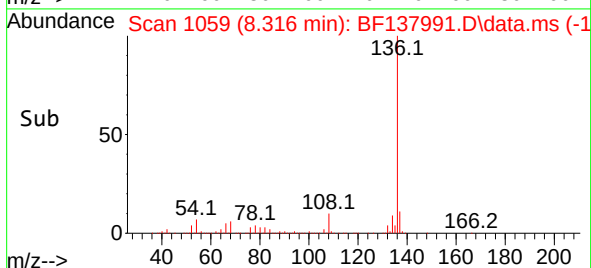
Reviewed By :Jagrut Upadhyay 05/22/2024
Supervised By :mohammad ahmed 05/24/2024

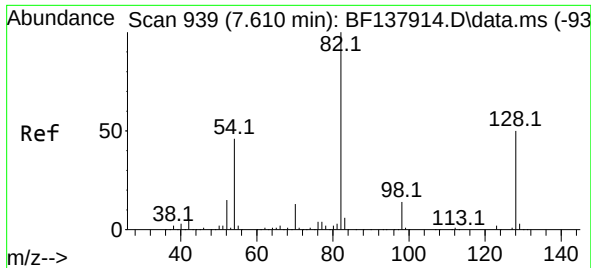


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.316 min Scan# 1059
Delta R.T. -0.012 min
Lab File: BF137991.D
Acq: 21 May 2024 21:45



Tgt Ion:136 Resp: 584331
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 6.8 5.4 8.2
68 5.7 4.6 7.0





#23
Nitrobenzene-d5
Concen: 59.836 ng
RT: 7.593 min Scan# 911
Delta R.T. -0.017 min
Lab File: BF137991.D
Acq: 21 May 2024 21:45

Instrument :

BNA_F

ClientSampleId :

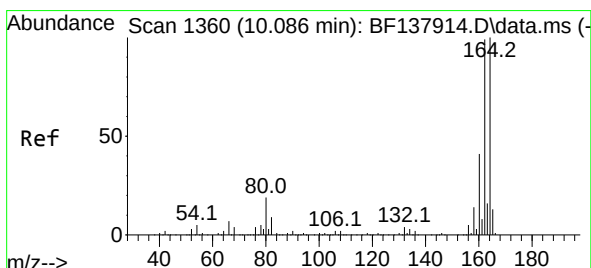
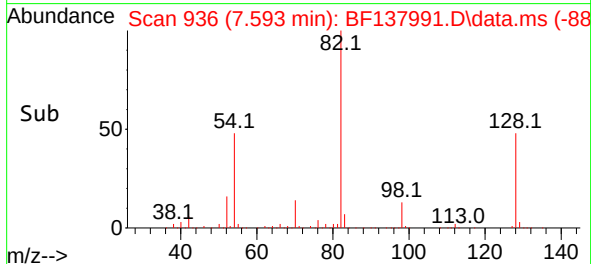
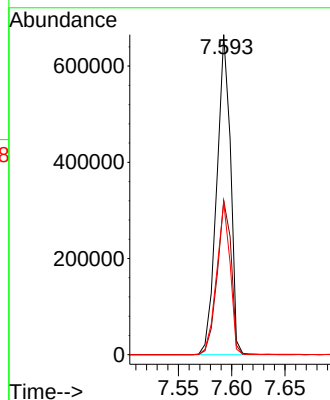
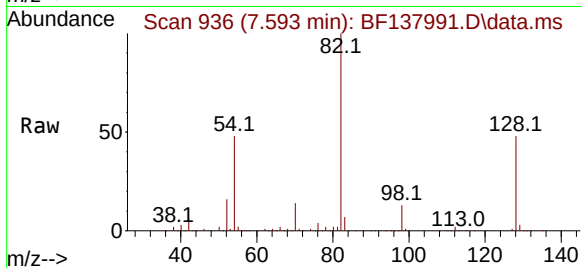
B2COMP(0-8)

Tgt Ion: 82 Resp: 59411
Ion Ratio Lower Upper
82 100
128 48.1 40.3 60.5
54 47.7 36.8 55.2

Manual Integrations

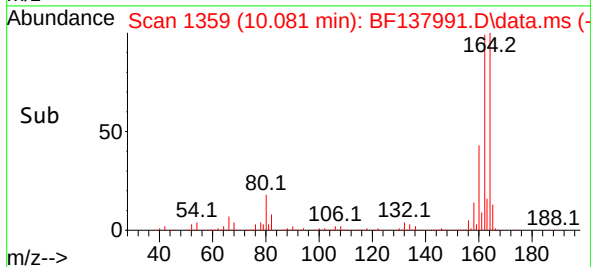
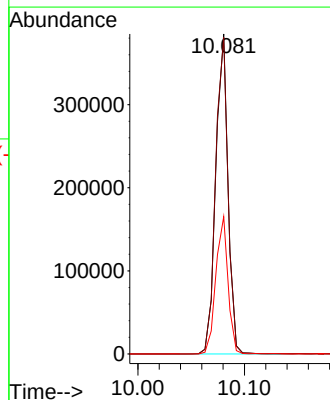
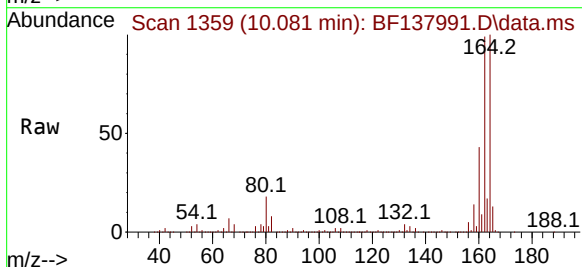
APPROVED

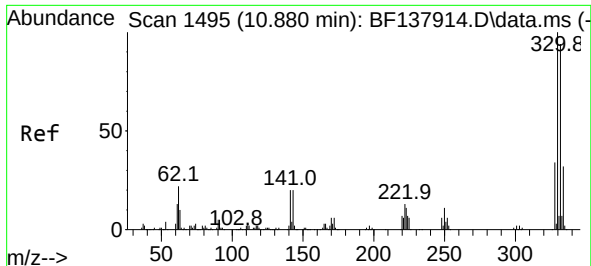
Reviewed By :Jagrut Upadhyay 05/22/2024
Supervised By :mohammad ahmed 05/24/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.081 min Scan# 1359
Delta R.T. -0.005 min
Lab File: BF137991.D
Acq: 21 May 2024 21:45

Tgt Ion:164 Resp: 308084
Ion Ratio Lower Upper
164 100
162 98.9 79.4 119.2
160 42.9 33.1 49.7





#42
2,4,6-Tribromophenol
Concen: 15.258 ng
RT: 10.869 min Scan# 1493
Delta R.T. -0.012 min
Lab File: BF137991.D
Acq: 21 May 2024 21:45

Instrument :

BNA_F

ClientSampleId :

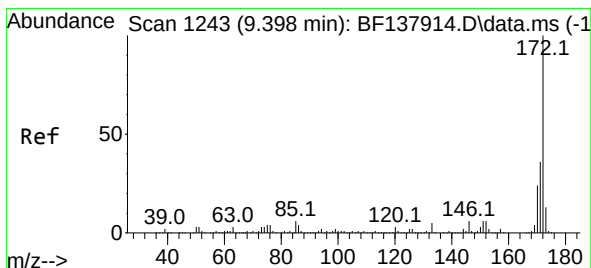
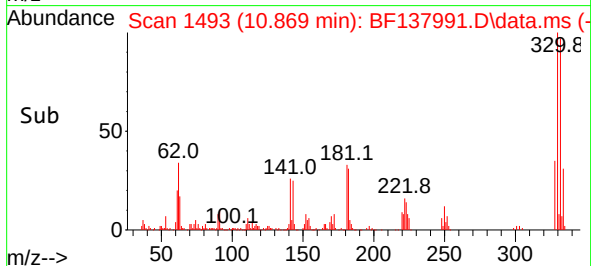
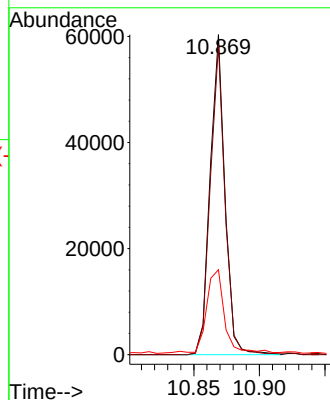
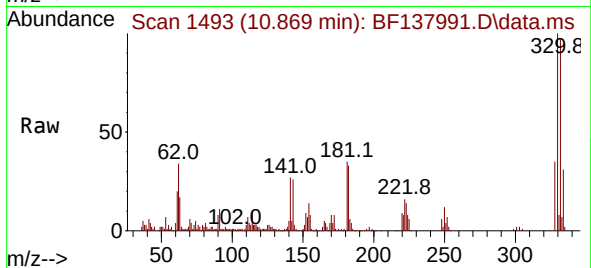
B2COMP(0-8)

Tgt Ion:330 Resp: 4739
Ion Ratio Lower Upper
330 100
332 95.9 75.8 113.8
141 32.1 23.8 35.6

Manual Integrations

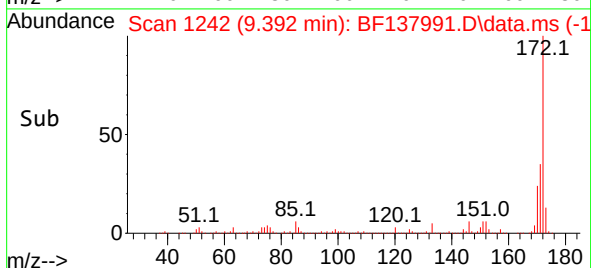
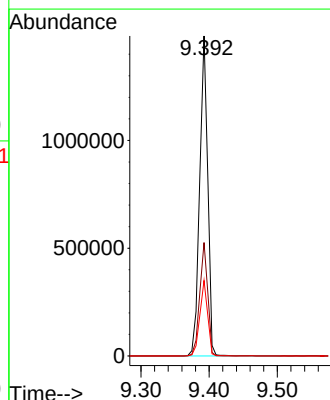
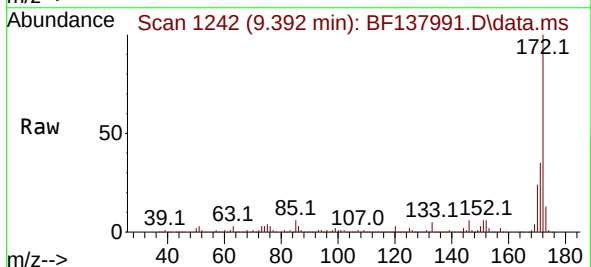
APPROVED

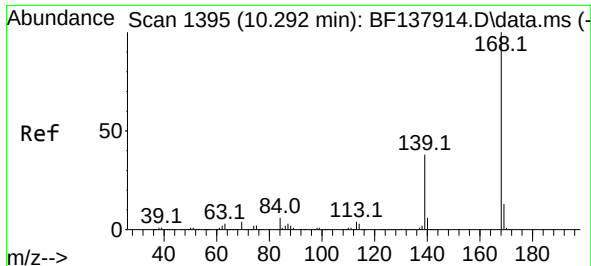
Reviewed By :Jagrut Upadhyay 05/22/2024
Supervised By :mohammad ahmed 05/24/2024



#45
2-Fluorobiphenyl
Concen: 60.952 ng
RT: 9.392 min Scan# 1242
Delta R.T. -0.006 min
Lab File: BF137991.D
Acq: 21 May 2024 21:45

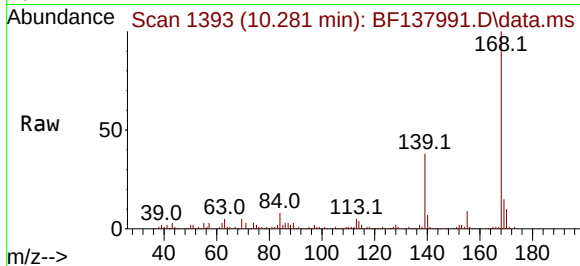
Tgt Ion:172 Resp: 1219071
Ion Ratio Lower Upper
172 100
171 35.5 28.9 43.3
170 23.6 18.9 28.3





#55
Dibenzenofuran
Concen: 2.084 ng
RT: 10.281 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF137991.D
Acq: 21 May 2024 21:45

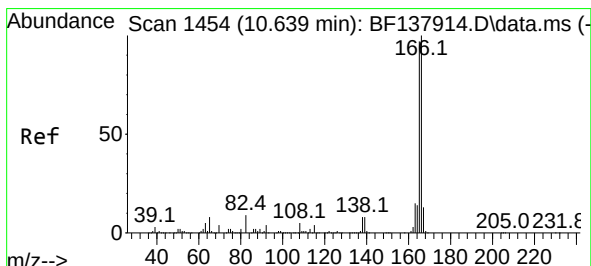
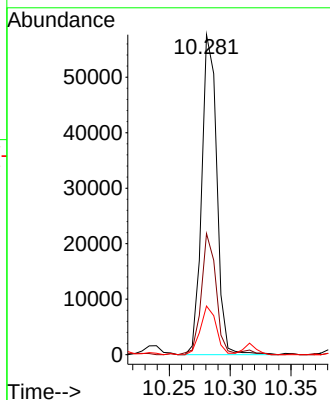
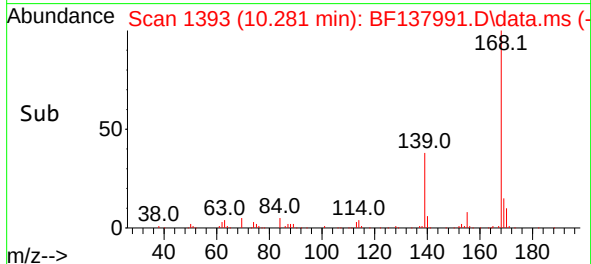
Instrument :
BNA_F
ClientSampleId :
B2COMP(0-8)



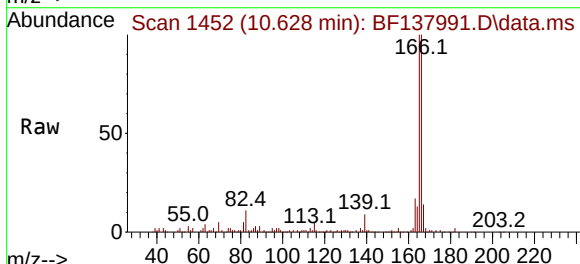
Tgt Ion:168 Resp: 49725
Ion Ratio Lower Upper
168 100
139 37.8 30.4 45.6
169 15.2 10.5 15.7

Manual Integrations
APPROVED

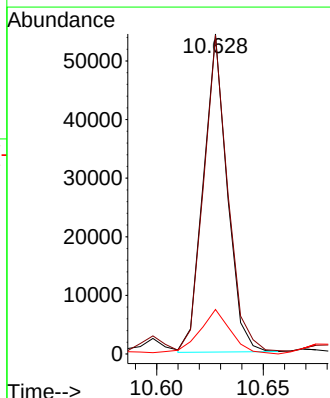
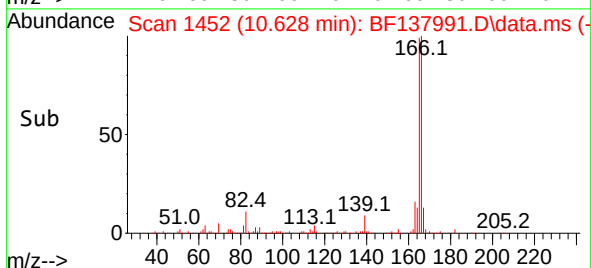
Reviewed By :Jagrut Upadhyay 05/22/2024
Supervised By :mohammad ahmed 05/24/2024

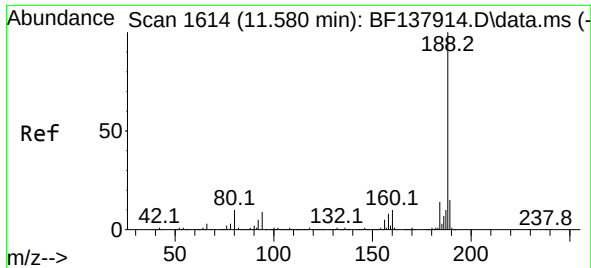


#58
Fluorene
Concen: 2.228 ng
RT: 10.628 min Scan# 1452
Delta R.T. -0.012 min
Lab File: BF137991.D
Acq: 21 May 2024 21:45



Tgt Ion:166 Resp: 42045
Ion Ratio Lower Upper
166 100
165 99.5 77.8 116.8
167 13.9 10.4 15.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.575 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BF137991.D
Acq: 21 May 2024 21:45

Instrument :

BNA_F

ClientSampleId :

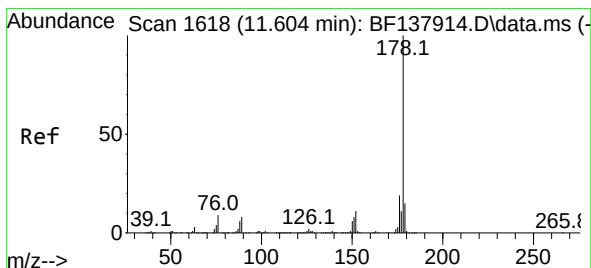
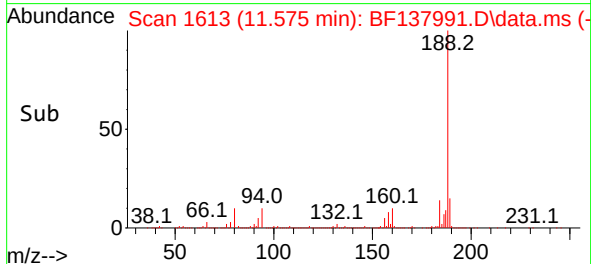
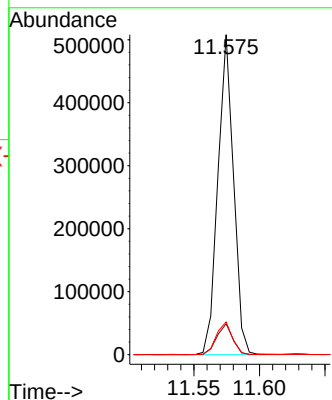
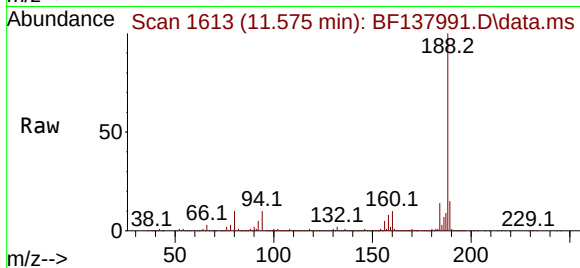
B2COMP(0-8)

Tgt Ion:188 Resp: 42127
Ion Ratio Lower Upper
188 100
94 9.6 7.0 10.4
80 10.2 7.7 11.5

Manual Integrations

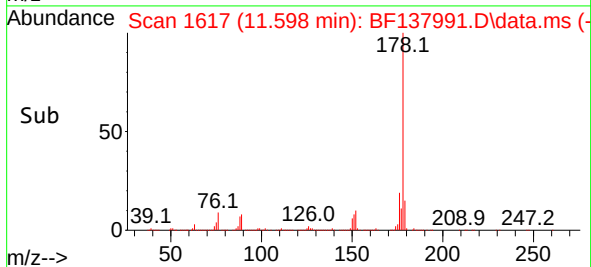
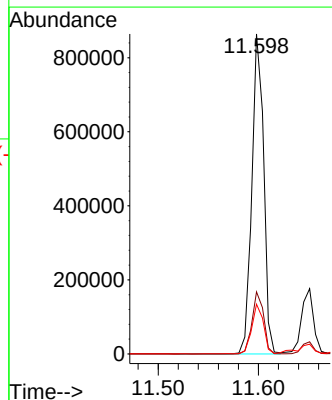
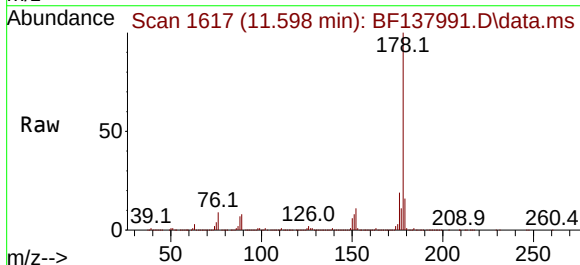
APPROVED

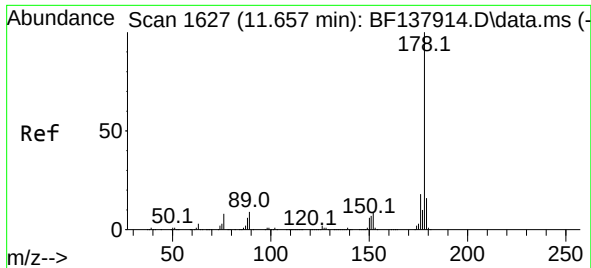
Reviewed By :Jagrut Upadhyay 05/22/2024
Supervised By :mohammad ahmed 05/24/2024



#71
Phenanthrene
Concen: 34.104 ng
RT: 11.598 min Scan# 1617
Delta R.T. -0.006 min
Lab File: BF137991.D
Acq: 21 May 2024 21:45

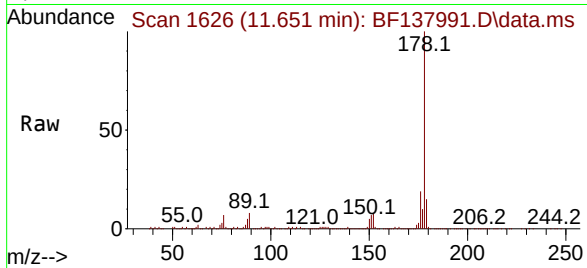
Tgt Ion:178 Resp: 707997
Ion Ratio Lower Upper
178 100
176 19.4 15.2 22.8
179 15.5 12.2 18.4





#72
 Anthracene
 Concen: 6.965 ng
 RT: 11.651 min Scan# 1626
 Delta R.T. -0.006 min
 Lab File: BF137991.D
 Acq: 21 May 2024 21:45

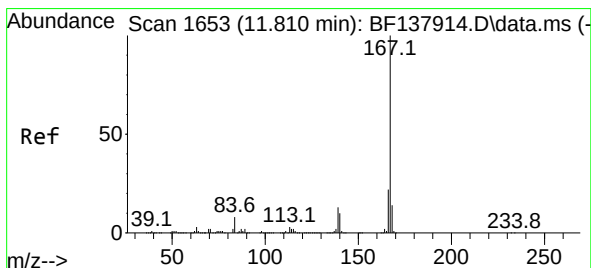
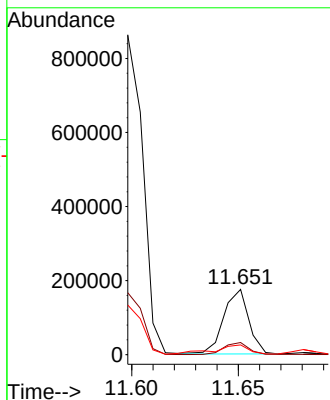
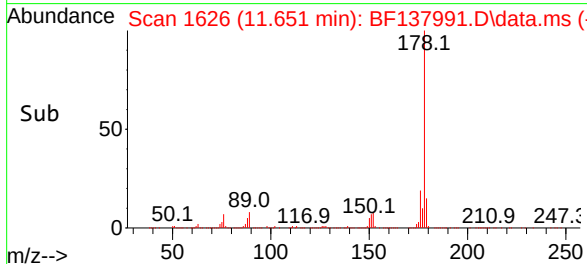
Instrument :
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 B2COMP(0-8)



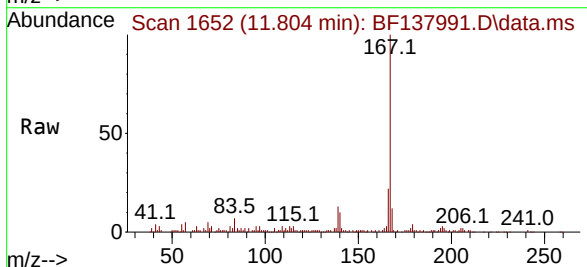
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 Ion Ratio Lower Upper
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 179 15.0 12.4 18.6

Manual Integrations
 APPROVED

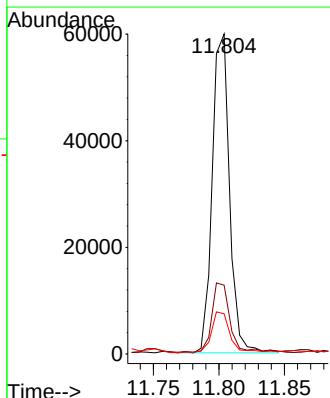
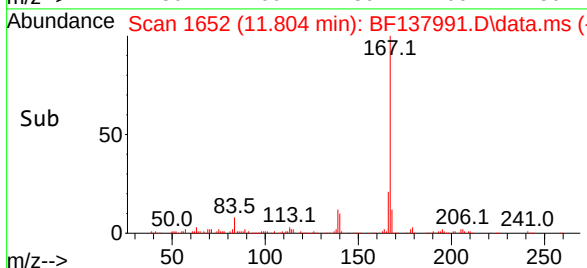
Reviewed By :Jagrut Upadhyay 05/22/2024
 Supervised By :mohammad ahmed 05/24/2024

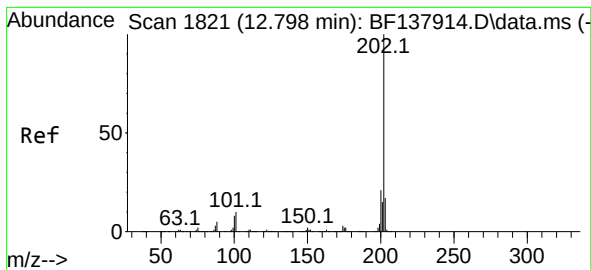


#73
 Carbazole
 Concen: 2.919 ng
 RT: 11.804 min Scan# 1652
 Delta R.T. -0.006 min
 Lab File: BF137991.D
 Acq: 21 May 2024 21:45



Tgt Ion:167 Resp: 54921
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.3 25.9
 139 12.6 10.3 15.5





#75

Fluoranthene

Concen: 48.078 ng

RT: 12.798 min Scan# 1821

Delta R.T. 0.000 min

Lab File: BF137991.D

Acq: 21 May 2024 21:45

Instrument :

BNA_F

ClientSampleId :

B2COMP(0-8)

Tgt Ion:202 Resp: 1013080

Ion Ratio Lower Upper

202 100

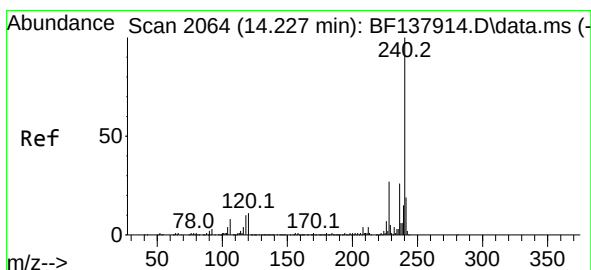
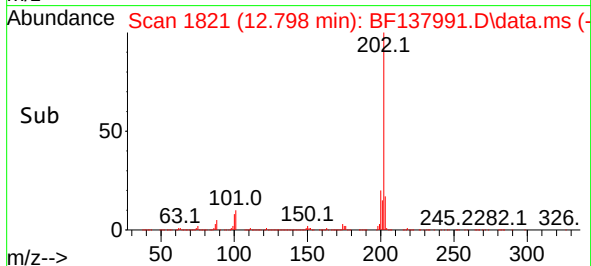
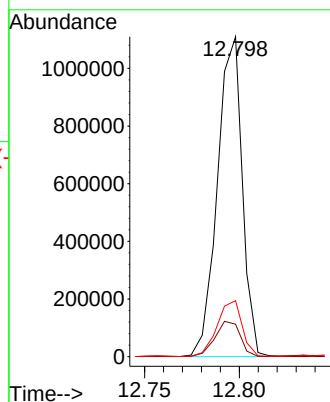
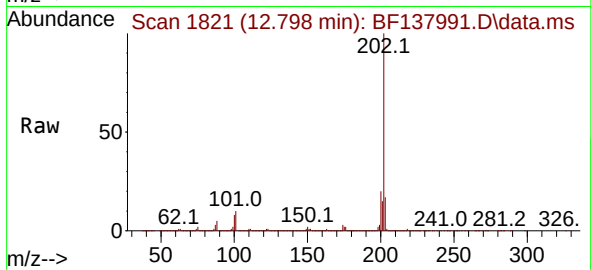
101 10.2 0.0 30.5

203 17.5 0.0 37.3

Manual Integrations

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#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.227 min Scan# 2064

Delta R.T. 0.000 min

Lab File: BF137991.D

Acq: 21 May 2024 21:45

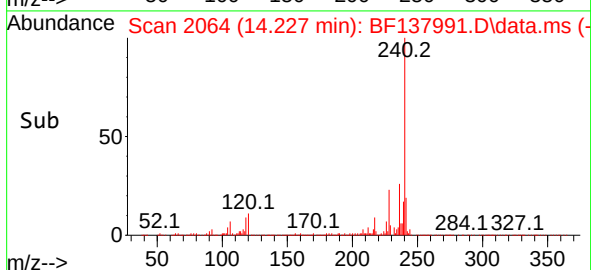
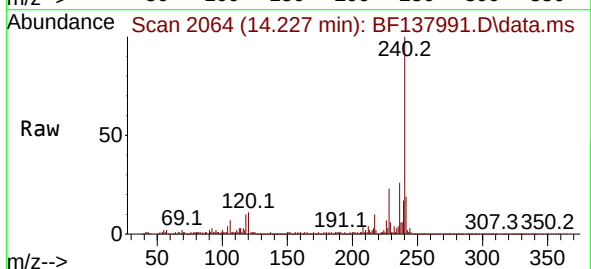
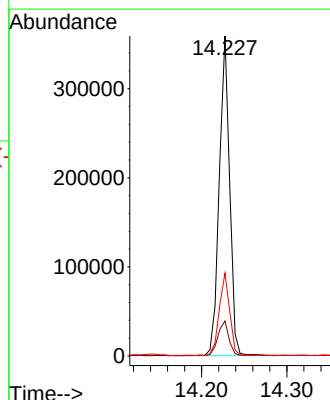
Tgt Ion:240 Resp: 303179

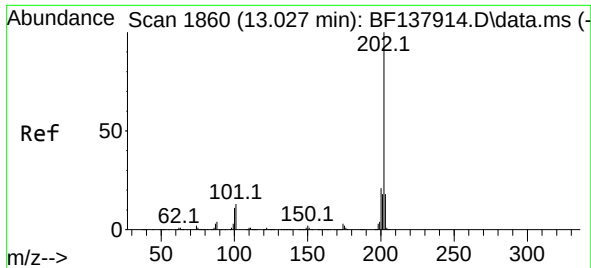
Ion Ratio Lower Upper

240 100

120 11.0 8.9 13.3

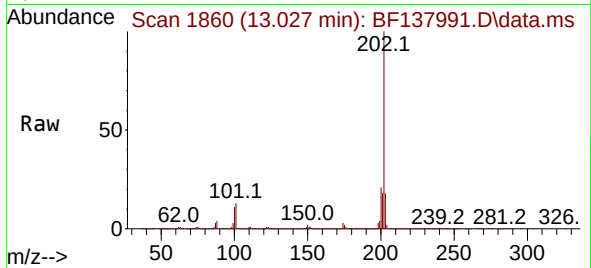
236 25.9 21.0 31.4





#78
Pyrene
Concen: 34.173 ng
RT: 13.027 min Scan# 1860
Delta R.T. 0.000 min
Lab File: BF137991.D
Acq: 21 May 2024 21:45

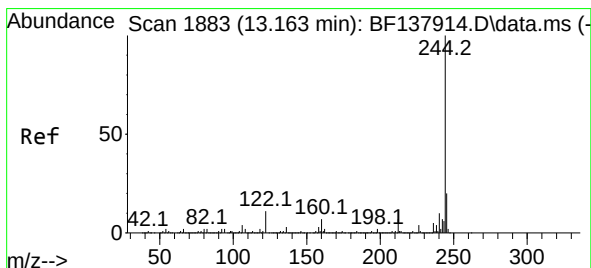
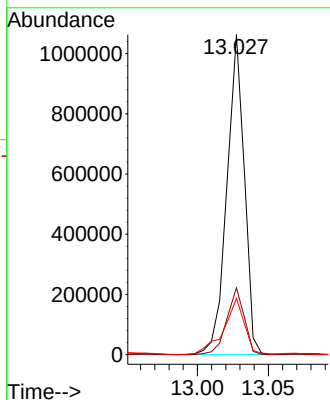
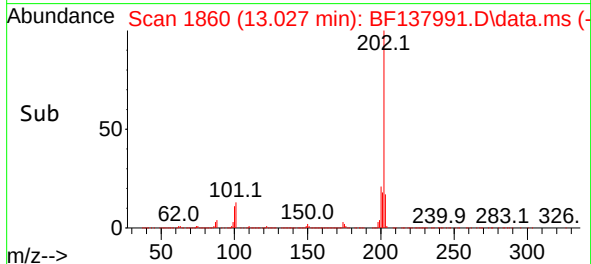
Instrument :
BNA_F
ClientSampleId :
B2COMP(0-8)



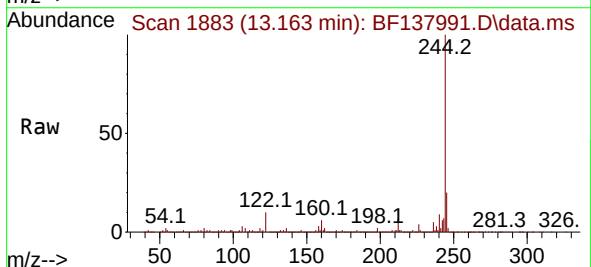
Tgt Ion:202 Resp: 906179
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.4
203 17.6 14.1 21.1

Manual Integrations
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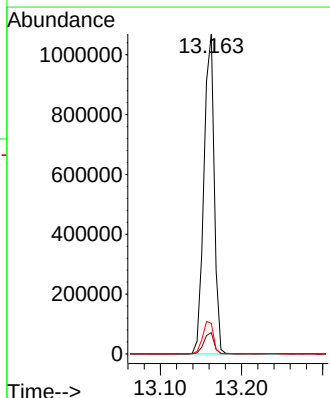
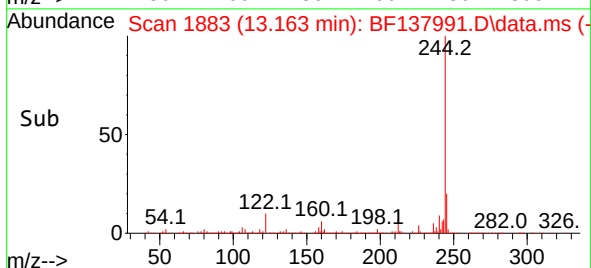
Reviewed By :Jagrut Upadhyay 05/22/2024
Supervised By :mohammad ahmed 05/24/2024

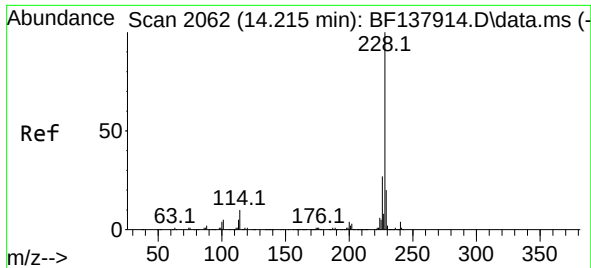


#79
Terphenyl-d14
Concen: 45.641 ng
RT: 13.163 min Scan# 1883
Delta R.T. 0.000 min
Lab File: BF137991.D
Acq: 21 May 2024 21:45



Tgt Ion:244 Resp: 938886
Ion Ratio Lower Upper
244 100
212 6.6 5.6 8.4
122 9.6 8.8 13.2





#81
Benzo(a)anthracene
Concen: 25.706 ng
RT: 14.216 min Scan# 2062
Delta R.T. 0.000 min
Lab File: BF137991.D
Acq: 21 May 2024 21:45

Instrument :

BNA_F

ClientSampleId :

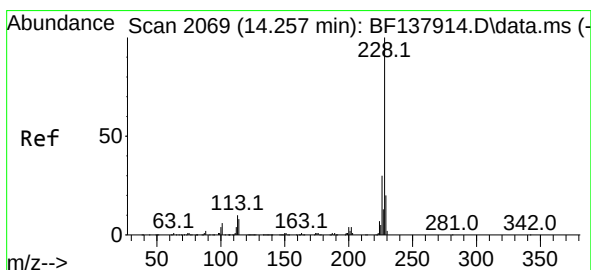
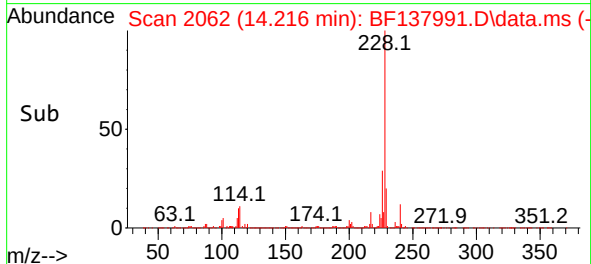
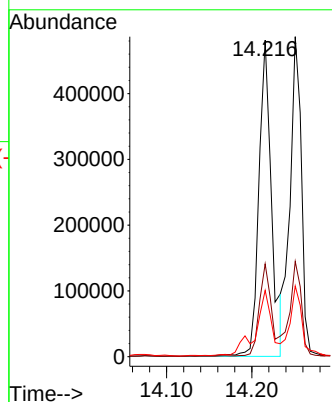
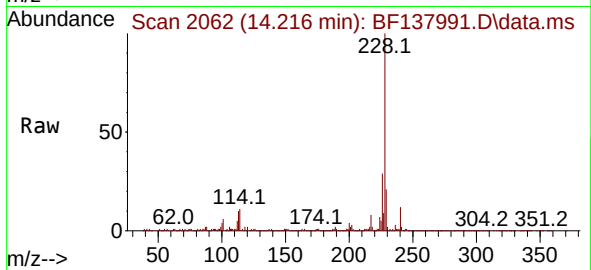
B2COMP(0-8)

Tgt Ion:228 Resp: 49306
Ion Ratio Lower Upper
228 100
226 29.3 21.3 31.9
229 20.9 15.7 23.5

Manual Integrations

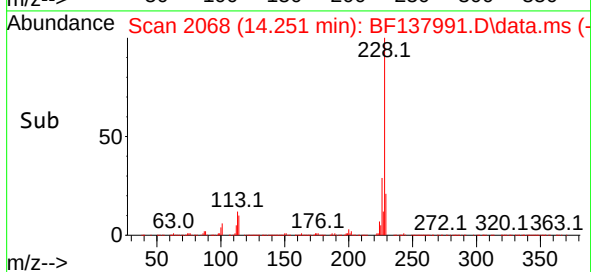
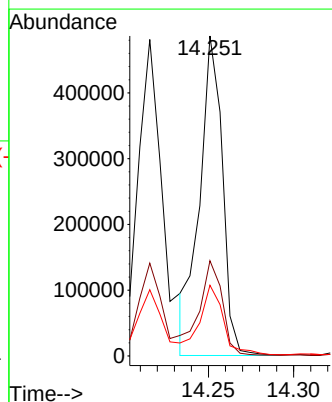
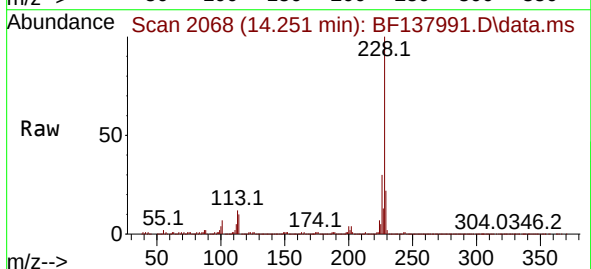
APPROVED

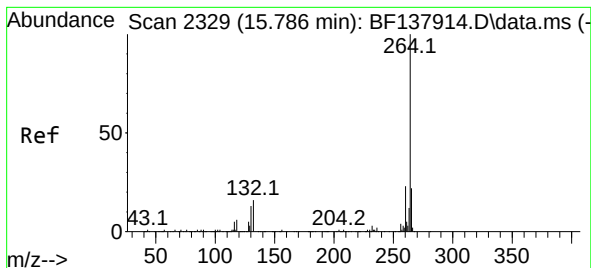
Reviewed By :Jagrut Upadhyay 05/22/2024
Supervised By :mohammad ahmed 05/24/2024



#83
Chrysene
Concen: 24.653 ng
RT: 14.251 min Scan# 2068
Delta R.T. -0.006 min
Lab File: BF137991.D
Acq: 21 May 2024 21:45

Tgt Ion:228 Resp: 452236
Ion Ratio Lower Upper
228 100
226 29.8 23.8 35.8
229 22.1 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.792 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF137991.D

Acq: 21 May 2024 21:45

Instrument :

BNA_F

ClientSampleId :

B2COMP(0-8)

Tgt Ion:264 Resp: 228838

Ion Ratio Lower Upper

264 100

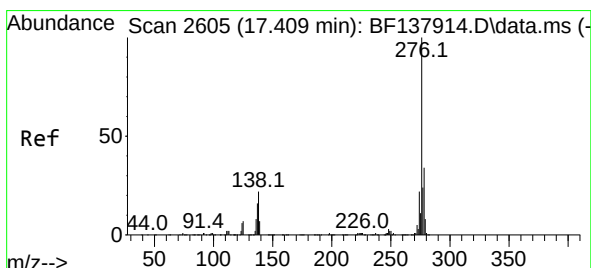
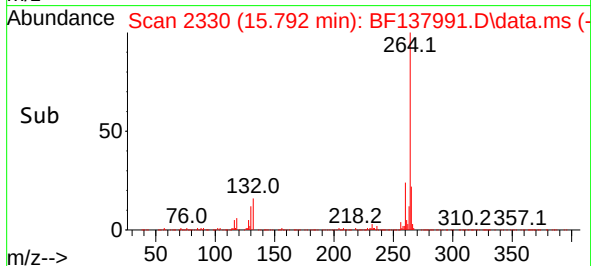
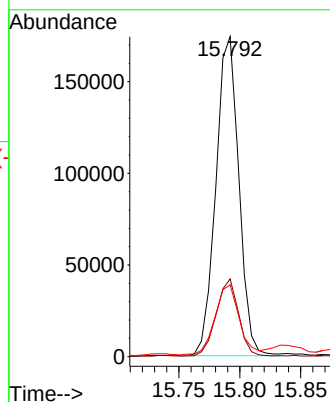
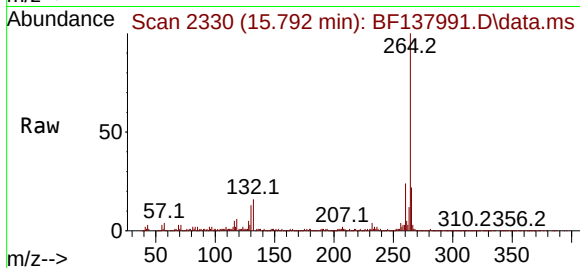
260 24.3 18.3 27.5

265 22.5 17.6 26.4

Manual Integrations

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Supervised By :mohammad ahmed 05/24/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.436 ng

RT: 17.404 min Scan# 2604

Delta R.T. -0.006 min

Lab File: BF137991.D

Acq: 21 May 2024 21:45

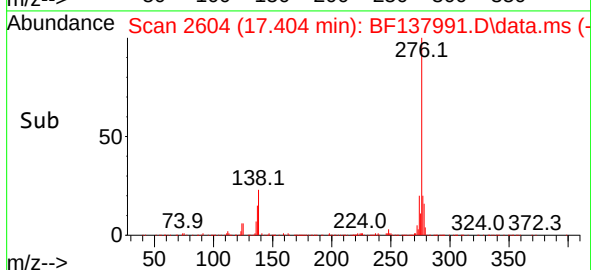
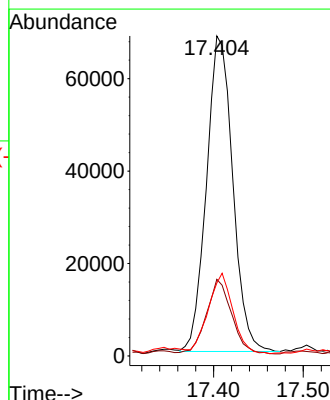
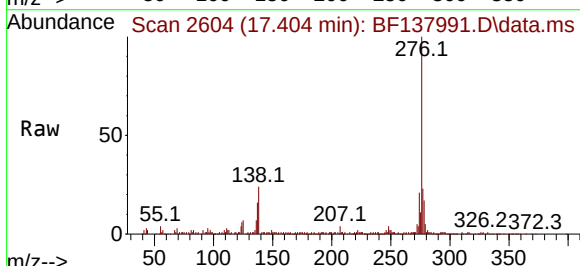
Tgt Ion:276 Resp: 138725

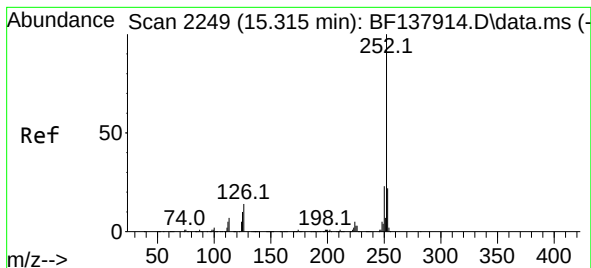
Ion Ratio Lower Upper

276 100

138 22.8 20.6 30.8

277 24.1 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 36.012 ng m

RT: 15.321 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF137991.D

Acq: 21 May 2024 21:45

Instrument :

BNA_F

ClientSampleId :

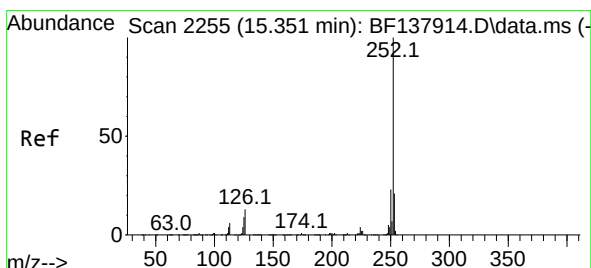
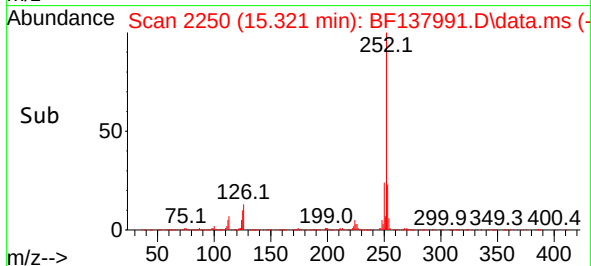
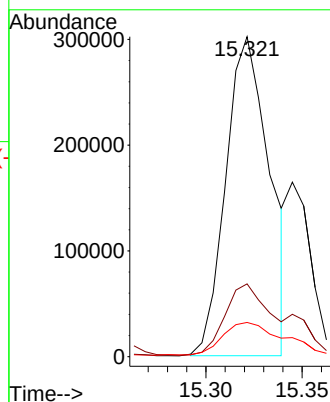
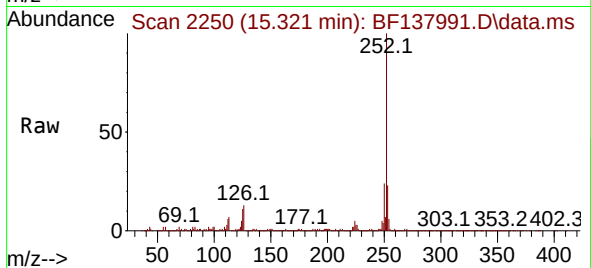
B2COMP(0-8)

Tgt Ion:252 Resp: 47715
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.6 26.4
 125 10.7 8.2 12.4

Manual Integrations

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 Supervised By :mohammad ahmed 05/24/2024



#89

Benzo(k)fluoranthene

Concen: 10.719 ng m

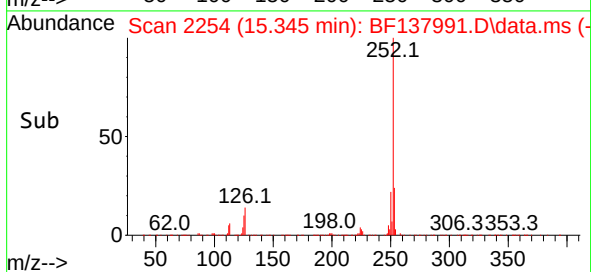
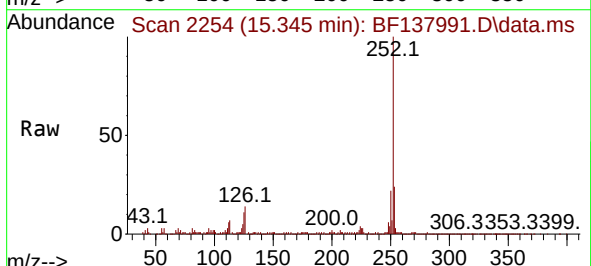
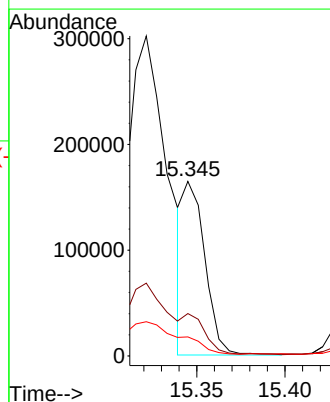
RT: 15.345 min Scan# 2254

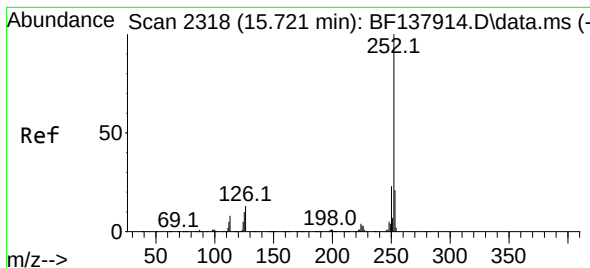
Delta R.T. -0.006 min

Lab File: BF137991.D

Acq: 21 May 2024 21:45

Tgt Ion:252 Resp: 139521
 Ion Ratio Lower Upper
 252 100
 253 24.3 17.4 26.0
 125 10.9 7.7 11.5





#90

Benzo(a)pyrene

Concen: 23.611 ng

RT: 15.721 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF137991.D

Acq: 21 May 2024 21:45

Instrument :

BNA_F

ClientSampleId :

B2COMP(0-8)

Tgt Ion:252 Resp: 26713

Ion Ratio Lower Upper

252 100

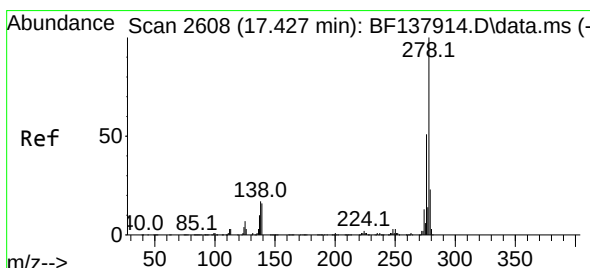
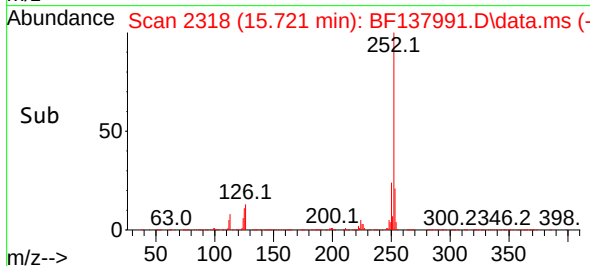
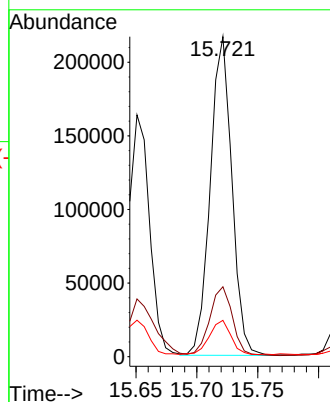
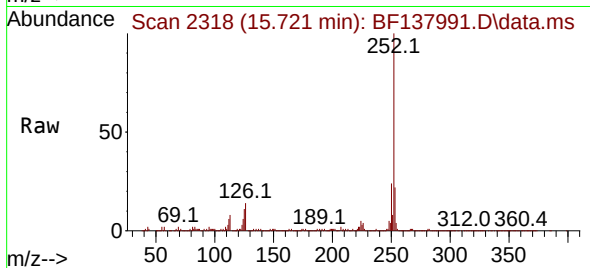
253 21.8 17.0 25.6

125 11.3 7.8 11.8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 05/22/2024
Supervised By :mohammad ahmed 05/24/2024



#91

Dibenzo(a,h)anthracene

Concen: 2.934 ng m

RT: 17.421 min Scan# 2607

Delta R.T. -0.006 min

Lab File: BF137991.D

Acq: 21 May 2024 21:45

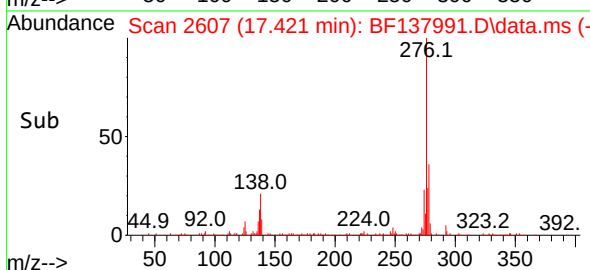
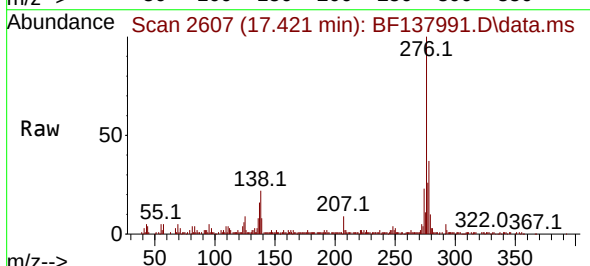
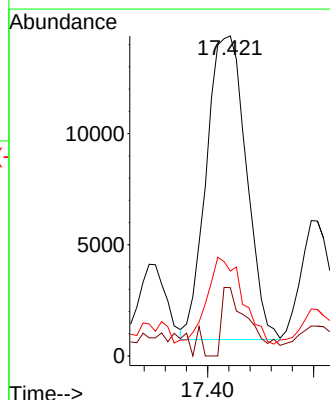
Tgt Ion:278 Resp: 35636

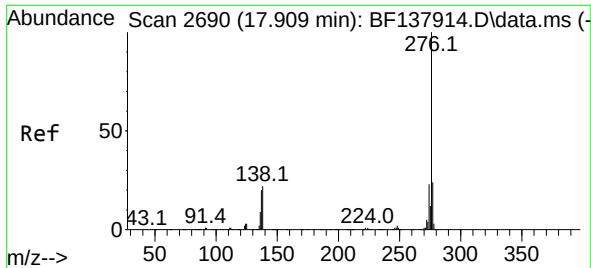
Ion Ratio Lower Upper

278 100

139 21.3 13.1 19.7#

279 26.6 18.5 27.7





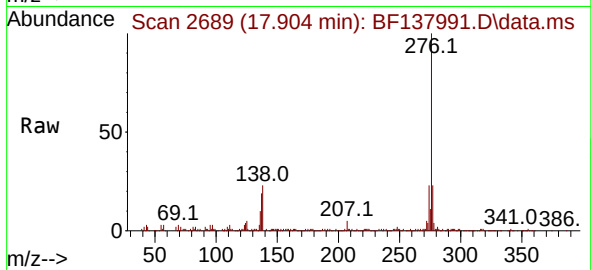
#92
Benzo(g,h,i)perylene
Concen: 10.754 ng
RT: 17.904 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF137991.D
Acq: 21 May 2024 21:45

Instrument :

BNA_F

ClientSampleId :

B2COMP(0-8)



Tgt Ion:276 Resp: 13723
Ion Ratio Lower Upper
276 100
277 22.6 18.9 28.3
138 22.6 17.6 26.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/22/2024
Supervised By :mohammad ahmed 05/24/2024

