

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061024\
 Data File : BF138180.D
 Acq On : 10 Jun 2024 19:07
 Operator : CG\JU
 Sample : P2787-01 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-06072024

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/11/2024
 Supervised By :mohammad ahmed 06/13/2024

Quant Time: Jun 11 03:59:03 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 06 05:19:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	342182	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	1248920	20.000	ng	-0.02
39) Acenaphthene-d10	9.933	164	595308	20.000	ng	-0.01
64) Phenanthrene-d10	11.416	188	924157	20.000	ng	-0.02
76) Chrysene-d12	14.057	240	690047	20.000	ng	-0.01
86) Perylene-d12	15.533	264	528780	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	971441	48.383	ng	-0.02
7) Phenol-d6	6.516	99	1240135	48.817	ng	-0.02
23) Nitrobenzene-d5	7.451	82	618200	33.678	ng	-0.02
42) 2,4,6-Tribromophenol	10.716	330	214914	37.513	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	1401339	41.160	ng	-0.02
79) Terphenyl-d14	13.004	244	1338456	29.012	ng	-0.02
Target Compounds						Qvalue
52) Acenaphthene	9.963	154	97549	3.061	ng	99
55) Dibenzofuran	10.133	168	100633	2.233	ng	98
58) Fluorene	10.475	166	181517	5.071	ng	99
71) Phenanthrene	11.439	178	1426909	32.073	ng	96
72) Anthracene	11.492	178	408868	9.214	ng	95
73) Carbazole	11.645	167	171405	4.224	ng	95
75) Fluoranthene	12.633	202	1690593	35.218	ng	97
78) Pyrene	12.857	202	1490118	23.878	ng	97
81) Benzo(a)anthracene	14.045	228	711606	16.345	ng	98
83) Chrysene	14.080	228	560730	13.420	ng	97
87) Indeno(1,2,3-cd)pyrene	17.015	276	230170	10.898	ng	93
88) Benzo(b)fluoranthene	15.098	252	557083m	16.758	ng	
89) Benzo(k)fluoranthene	15.127	252	233726m	7.373	ng	
90) Benzo(a)pyrene	15.468	252	405612	16.111	ng	# 96
92) Benzo(g,h,i)perylene	17.468	276	218427	11.551	ng	97

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

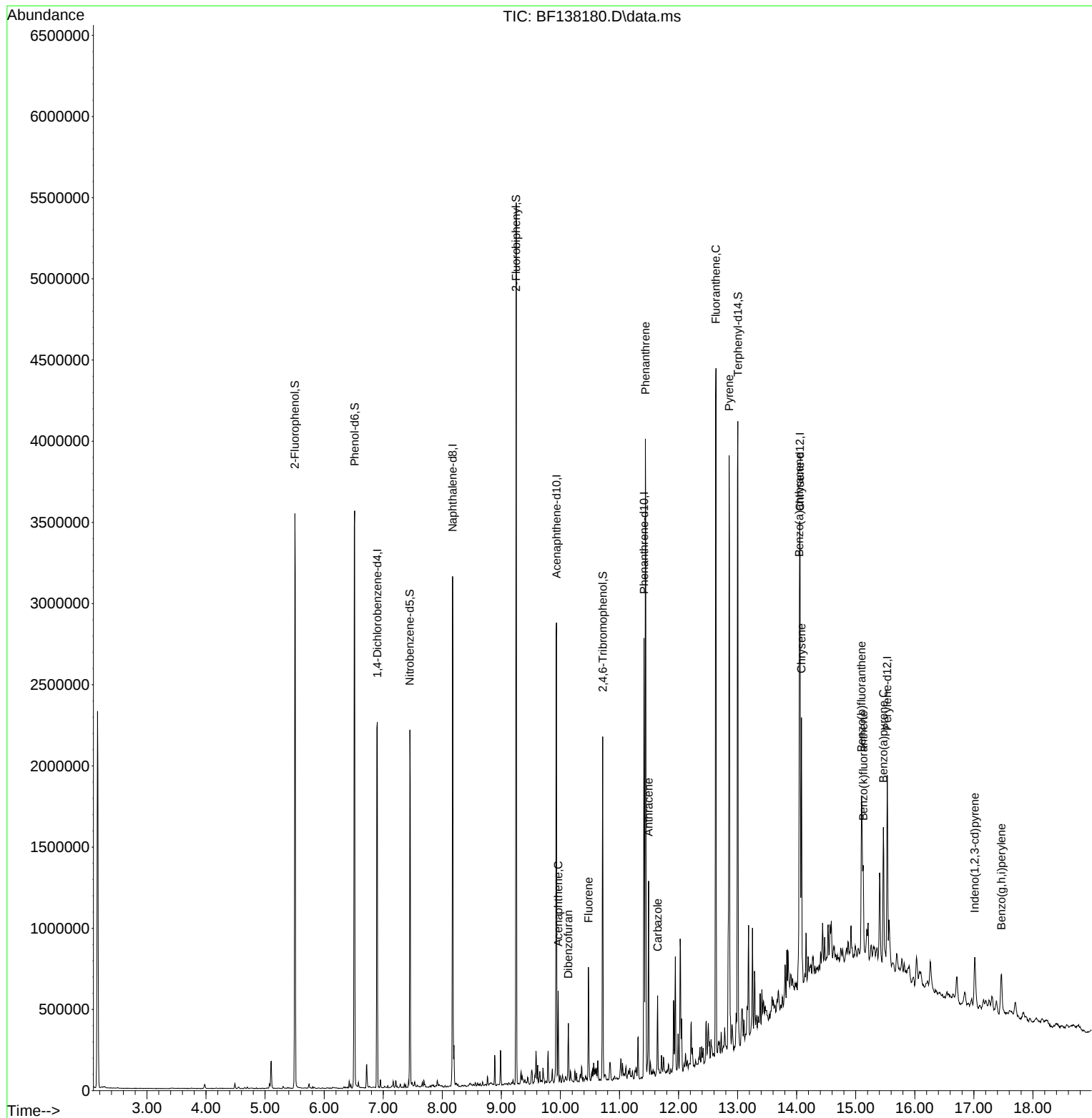
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061024\
Data File : BF138180.D
Acq On : 10 Jun 2024 19:07
Operator : CG\JU
Sample : P2787-01 2X
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ALS Vial : 11 Sample Multiplier: 1

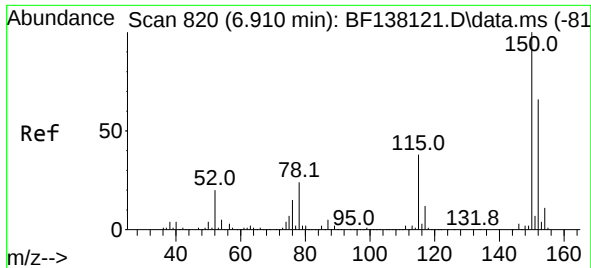
Instrument :
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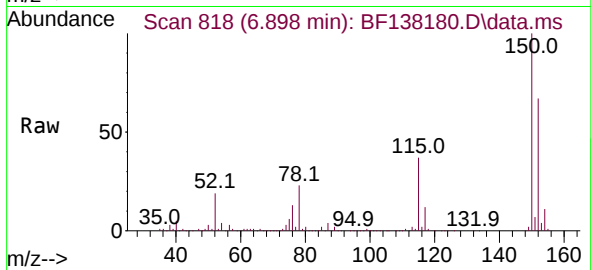
Quant Time: Jun 11 03:59:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 06 05:19:29 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF138180.D
Acq: 10 Jun 2024 19:07

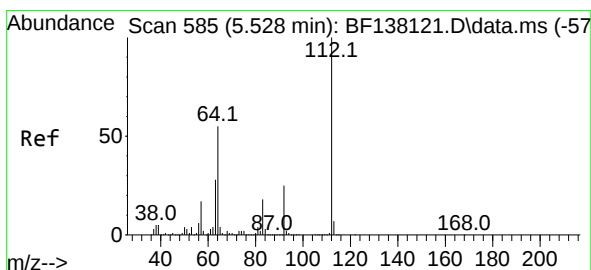
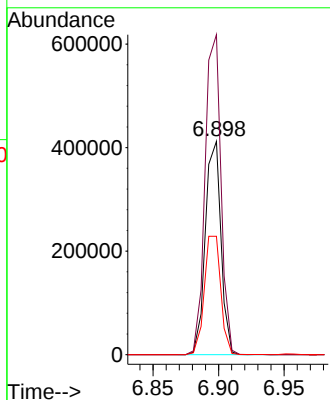
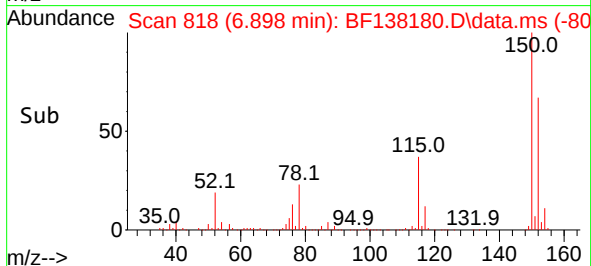
Instrument :
BNA_F
ClientSampleId :
SU-04-06072024



Tgt Ion:152 Resp: 34218
Ion Ratio Lower Upper
152 100
150 150.0 121.8 182.6
115 55.5 46.2 69.2

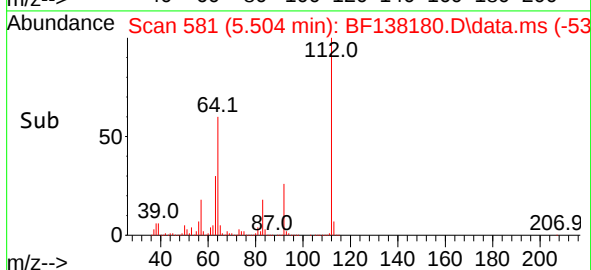
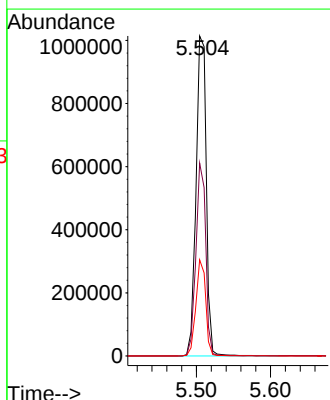
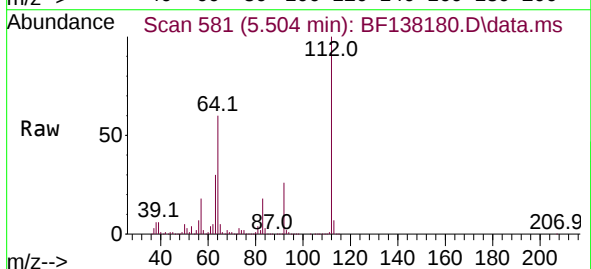
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Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



#5
2-Fluorophenol
Concen: 48.383 ng
RT: 5.504 min Scan# 581
Delta R.T. -0.023 min
Lab File: BF138180.D
Acq: 10 Jun 2024 19:07

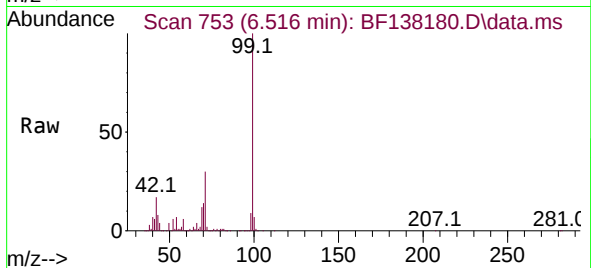
Tgt Ion:112 Resp: 971441
Ion Ratio Lower Upper
112 100
64 60.3 44.0 66.0
63 30.0 22.1 33.1





#7
Phenol-d6
Concen: 48.817 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF138180.D
Acq: 10 Jun 2024 19:07

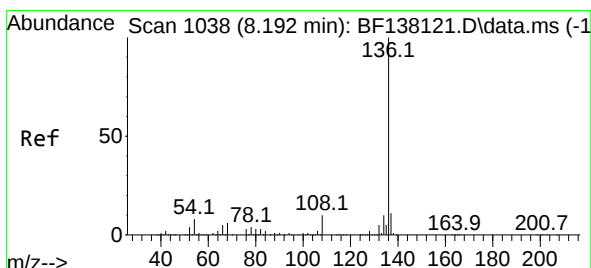
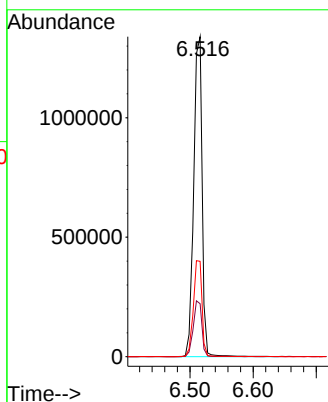
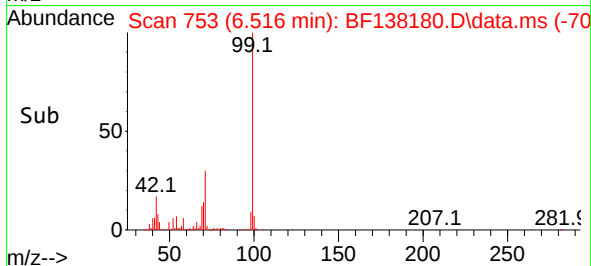
Instrument :
BNA_F
ClientSampleId :
SU-04-06072024



Tgt Ion: 99 Resp: 1240135
Ion Ratio Lower Upper
99 100
42 16.6 14.4 21.6
71 29.8 25.5 38.3

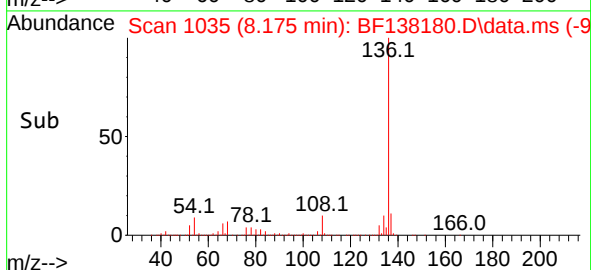
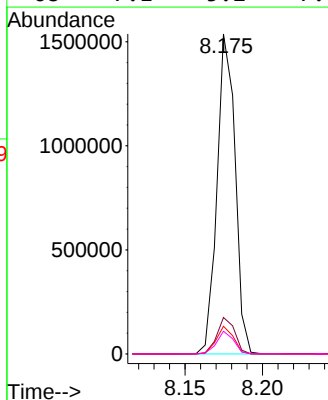
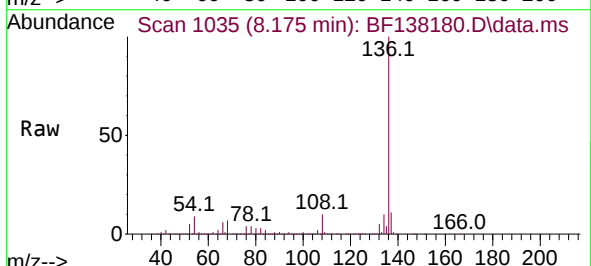
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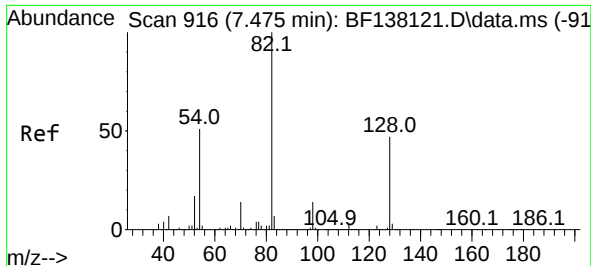
Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.018 min
Lab File: BF138180.D
Acq: 10 Jun 2024 19:07

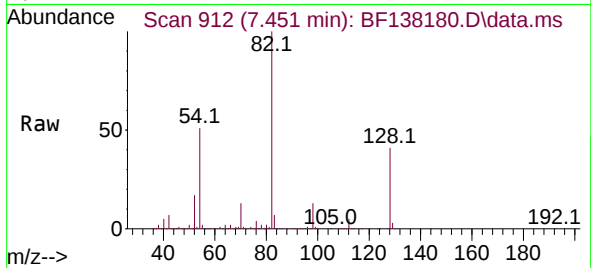
Tgt Ion:136 Resp: 1248920
Ion Ratio Lower Upper
136 100
137 11.4 9.1 13.7
54 8.7 6.2 9.2
68 7.1 5.2 7.8





#23
Nitrobenzene-d5
Concen: 33.678 ng
RT: 7.451 min Scan# 916
Delta R.T. -0.023 min
Lab File: BF138180.D
Acq: 10 Jun 2024 19:07

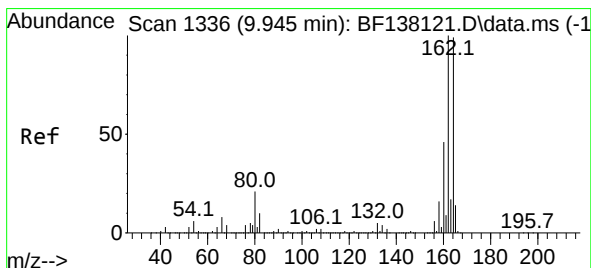
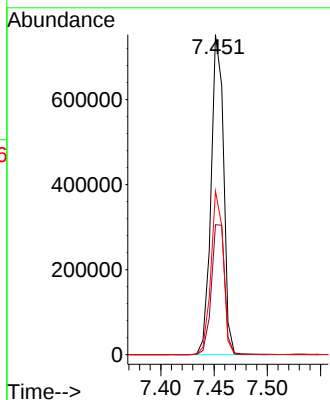
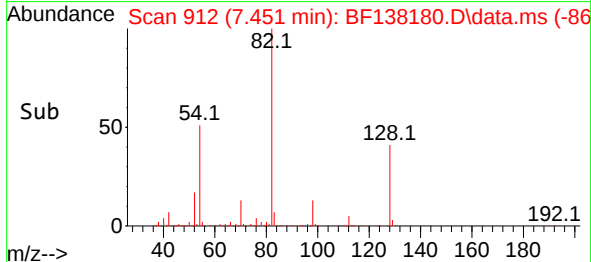
Instrument :
BNA_F
ClientSampleId :
SU-04-06072024



Tgt Ion: 82 Resp: 618200
Ion Ratio Lower Upper
82 100
128 40.6 37.7 56.5
54 51.1 40.8 61.2

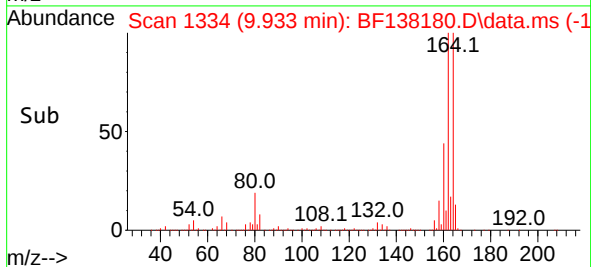
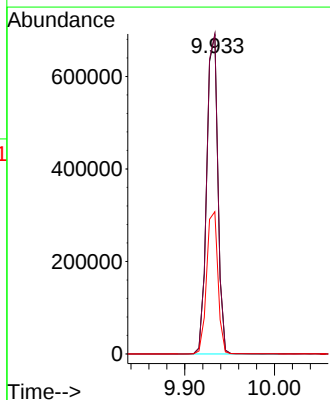
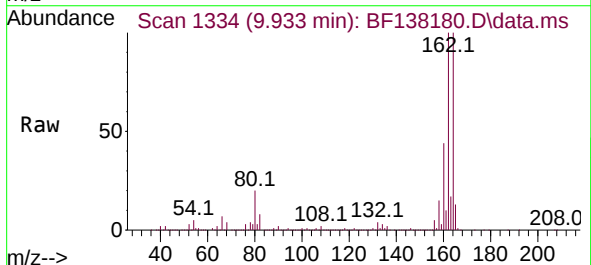
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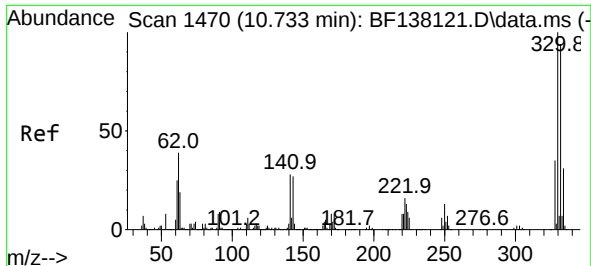
Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BF138180.D
Acq: 10 Jun 2024 19:07

Tgt Ion:164 Resp: 595308
Ion Ratio Lower Upper
164 100
162 100.3 80.9 121.3
160 44.6 37.0 55.6





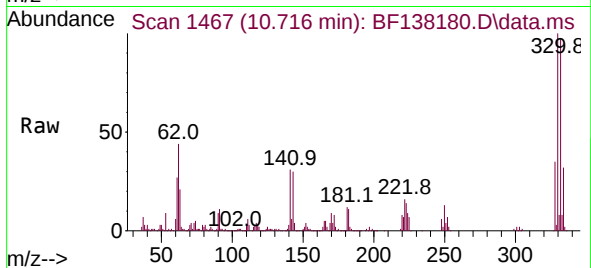
#42
2,4,6-Tribromophenol
Concen: 37.513 ng
RT: 10.716 min Scan# 1470
Delta R.T. -0.017 min
Lab File: BF138180.D
Acq: 10 Jun 2024 19:07

Instrument :

BNA_F

ClientSampleId :

SU-04-06072024

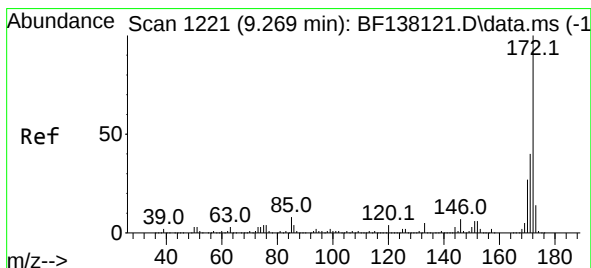
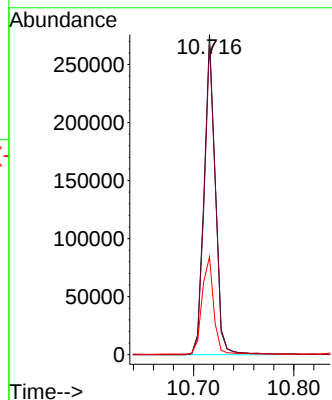
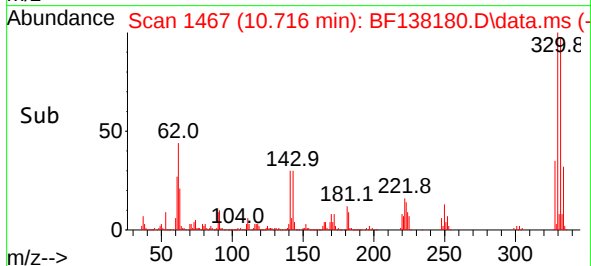


Tgt Ion: 330 Resp: 214914
Ion Ratio Lower Upper
330 100
332 97.7 75.8 113.8
141 31.3 23.2 34.8

Manual Integrations

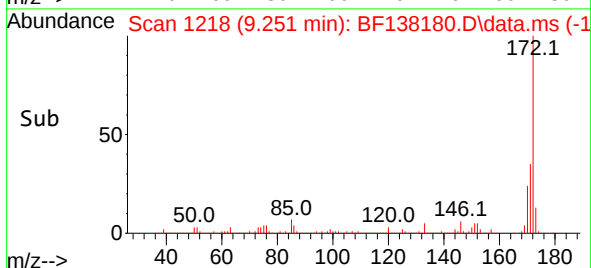
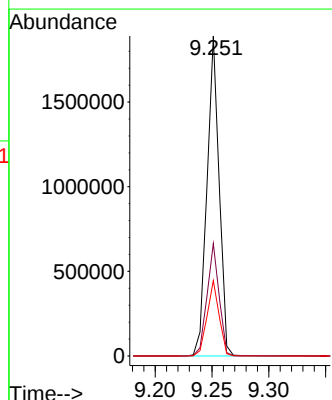
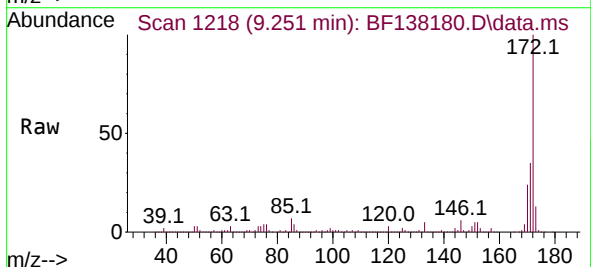
APPROVED

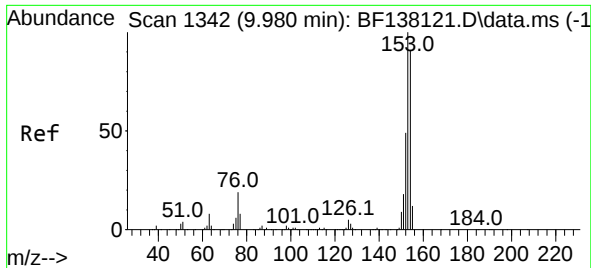
Reviewed By : Jagrut Upadhyay 06/11/2024
Supervised By : mohammad ahmed 06/13/2024



#45
2-Fluorobiphenyl
Concen: 41.160 ng
RT: 9.251 min Scan# 1218
Delta R.T. -0.018 min
Lab File: BF138180.D
Acq: 10 Jun 2024 19:07

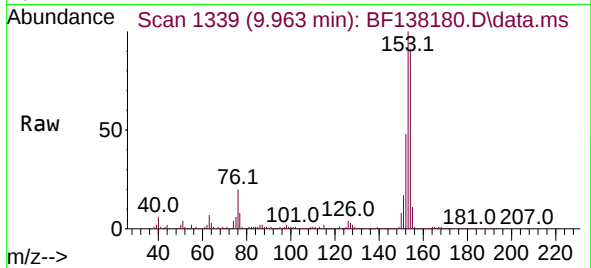
Tgt Ion: 172 Resp: 1401339
Ion Ratio Lower Upper
172 100
171 35.2 31.6 47.4
170 23.6 21.4 32.2





#52
Acenaphthene
Concen: 3.061 ng
RT: 9.963 min Scan# 1339
Delta R.T. -0.017 min
Lab File: BF138180.D
Acq: 10 Jun 2024 19:07

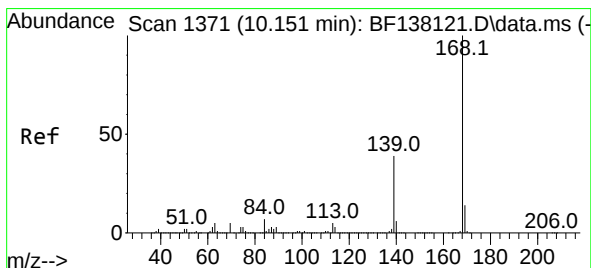
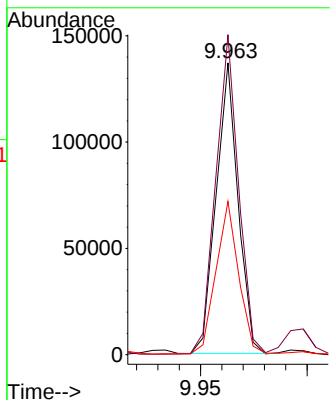
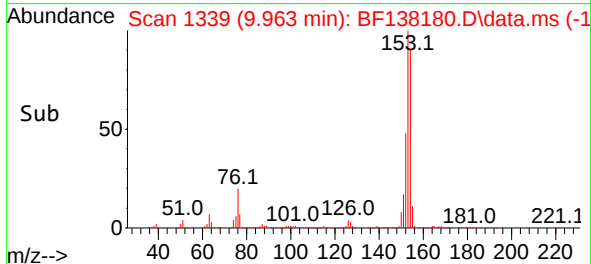
Instrument :
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ClientSampleId :
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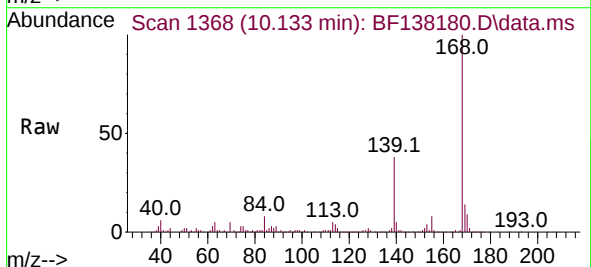
Tgt Ion:154 Resp: 97549
Ion Ratio Lower Upper
154 100
153 109.7 87.6 131.4
152 52.5 43.0 64.6

Manual Integrations
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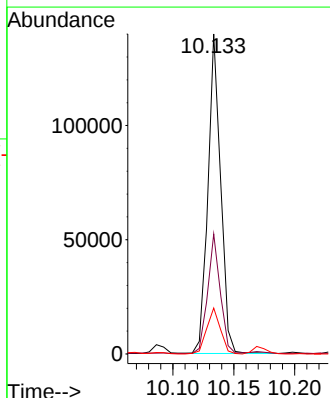
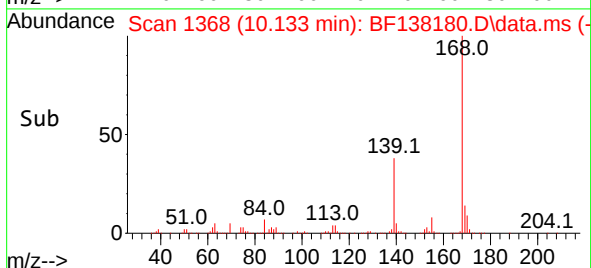
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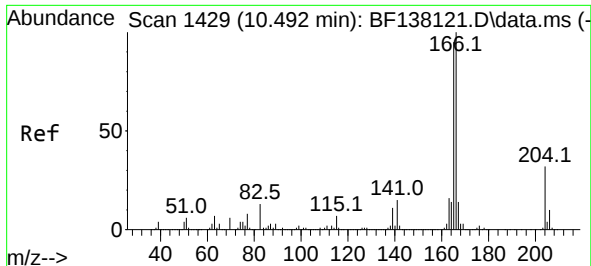


#55
Dibenzofuran
Concen: 2.233 ng
RT: 10.133 min Scan# 1368
Delta R.T. -0.018 min
Lab File: BF138180.D
Acq: 10 Jun 2024 19:07



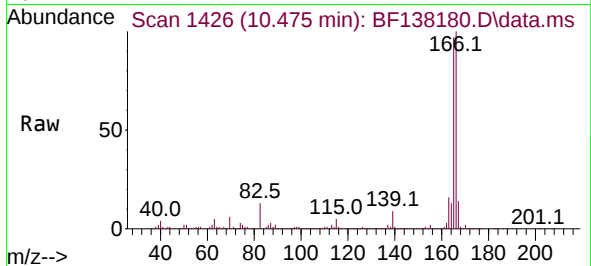
Tgt Ion:168 Resp: 100633
Ion Ratio Lower Upper
168 100
139 37.5 31.1 46.7
169 14.4 11.6 17.4





#58
Fluorene
Concen: 5.071 ng
RT: 10.475 min Scan# 1429
Delta R.T. -0.018 min
Lab File: BF138180.D
Acq: 10 Jun 2024 19:07

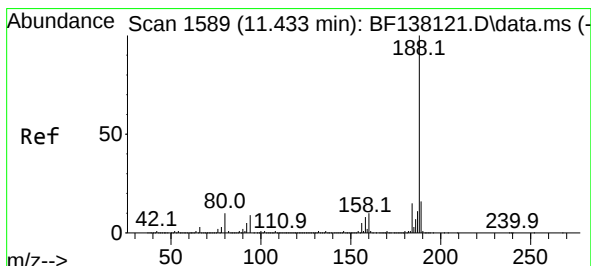
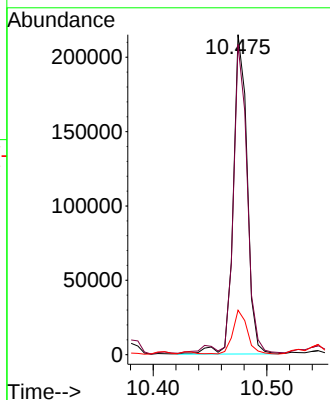
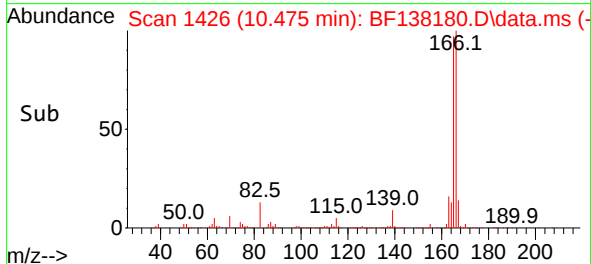
Instrument :
BNA_F
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SU-04-06072024



Tgt Ion:166 Resp: 18151
Ion Ratio Lower Upper
166 100
165 96.9 76.3 114.5
167 13.9 11.2 16.8

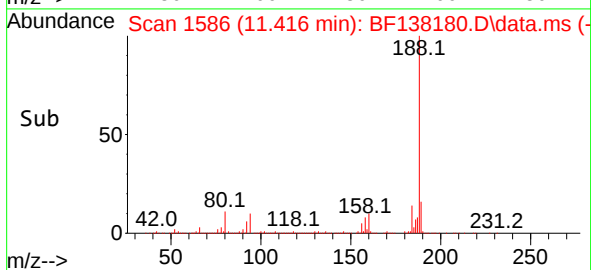
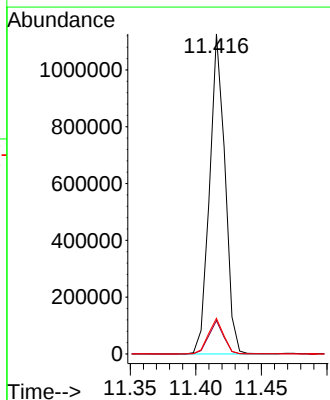
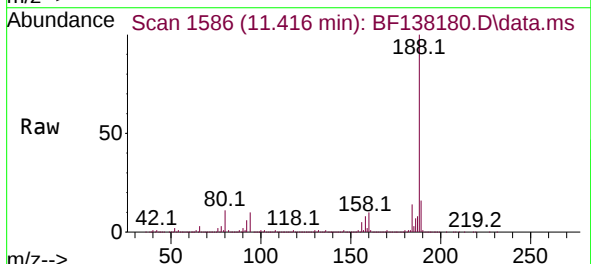
Manual Integrations
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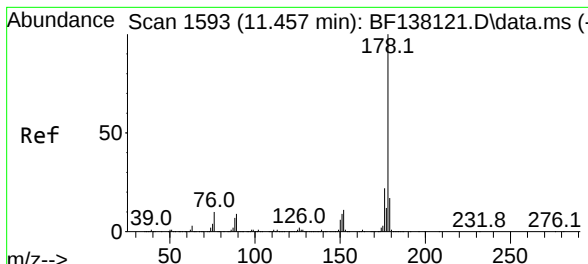
Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.018 min
Lab File: BF138180.D
Acq: 10 Jun 2024 19:07

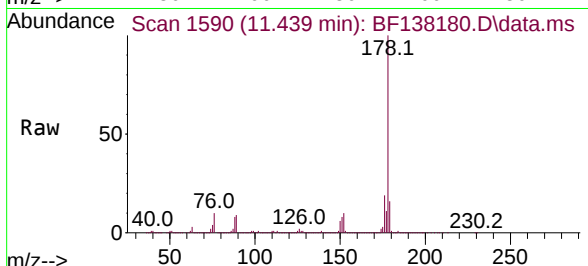
Tgt Ion:188 Resp: 924157
Ion Ratio Lower Upper
188 100
94 10.4 7.4 11.2
80 11.2 7.7 11.5





#71
 Phenanthrene
 Concen: 32.073 ng
 RT: 11.439 min Scan# 1599
 Delta R.T. -0.018 min
 Lab File: BF138180.D
 Acq: 10 Jun 2024 19:07

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-06072024

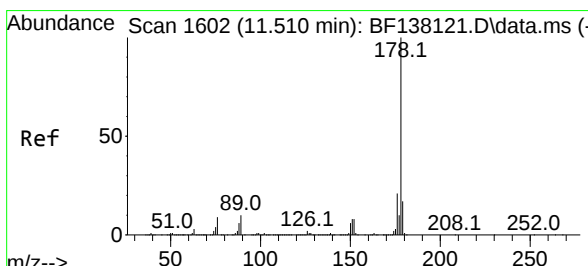
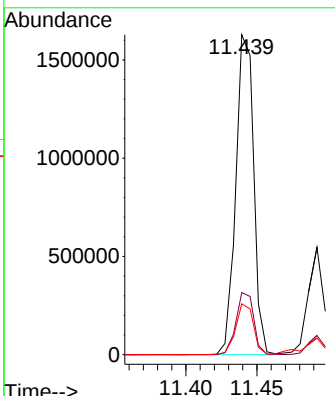
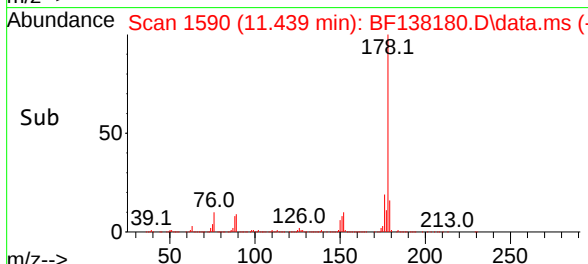


Tgt Ion:178 Resp: 1426909

Ion	Ratio	Lower	Upper
178	100		
176	19.4	17.2	25.8
179	15.9	13.6	20.4

Manual Integrations
 APPROVED

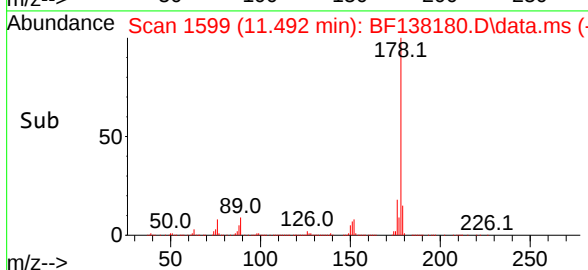
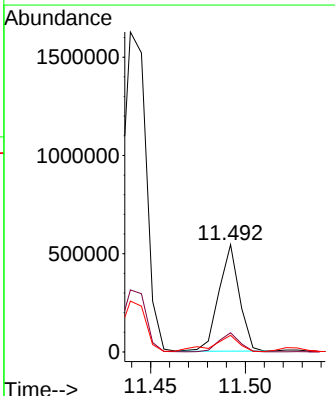
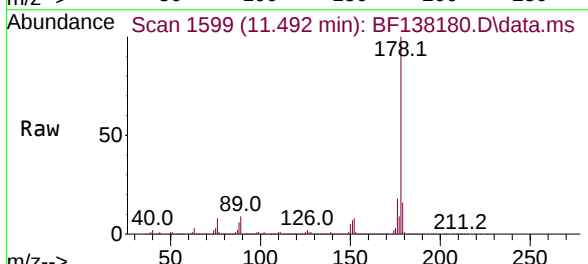
Reviewed By :Jagrut Upadhyay 06/11/2024
 Supervised By :mohammad ahmed 06/13/2024

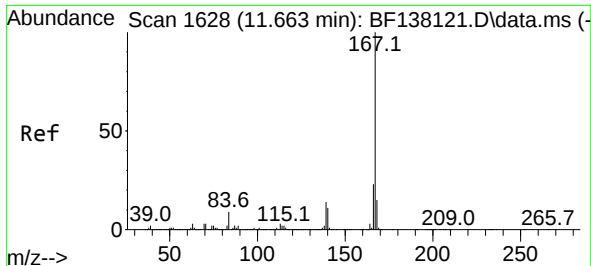


#72
 Anthracene
 Concen: 9.214 ng
 RT: 11.492 min Scan# 1599
 Delta R.T. -0.018 min
 Lab File: BF138180.D
 Acq: 10 Jun 2024 19:07

Tgt Ion:178 Resp: 408868

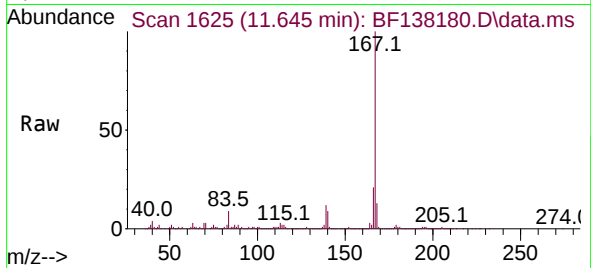
Ion	Ratio	Lower	Upper
178	100		
176	18.0	16.5	24.7
179	15.5	13.6	20.4





#73
 Carbazole
 Concen: 4.224 ng
 RT: 11.645 min Scan# 1625
 Delta R.T. -0.018 min
 Lab File: BF138180.D
 Acq: 10 Jun 2024 19:07

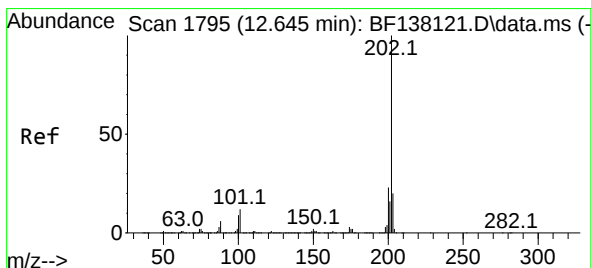
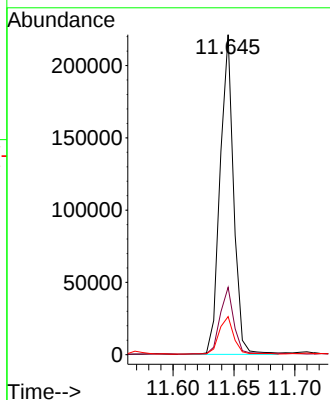
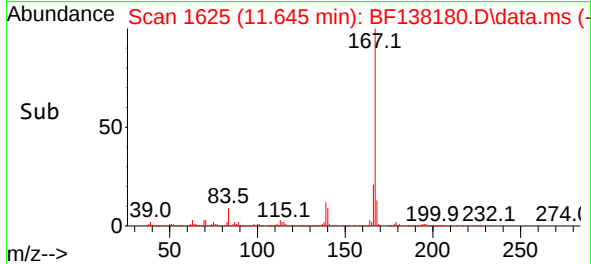
Instrument :
 BNA_F
 ClientSampleId :
 SU-04-06072024



Tgt Ion:167 Resp: 171409
 Ion Ratio Lower Upper
 167 100
 166 21.1 18.6 27.8
 139 11.9 11.0 16.6

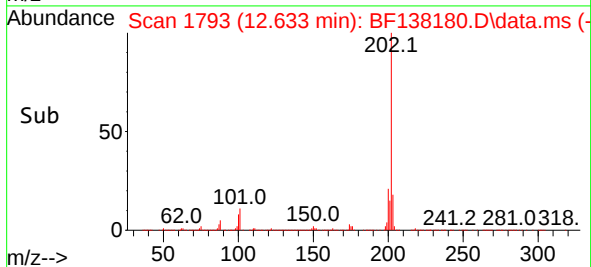
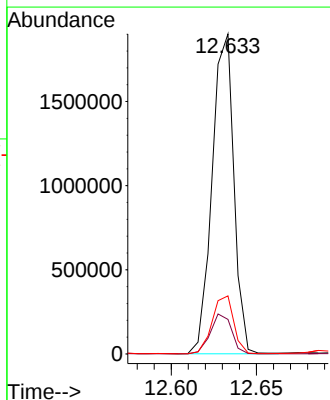
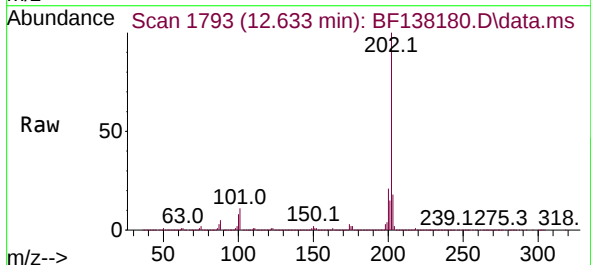
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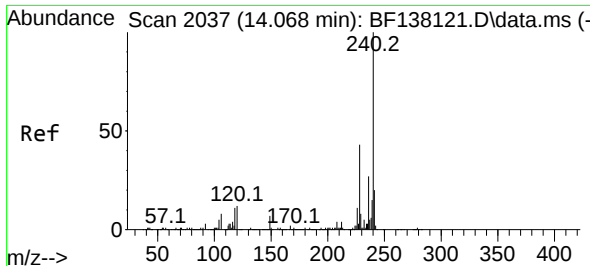
Reviewed By :Jagrut Upadhyay 06/11/2024
 Supervised By :mohammad ahmed 06/13/2024



#75
 Fluoranthene
 Concen: 35.218 ng
 RT: 12.633 min Scan# 1793
 Delta R.T. -0.012 min
 Lab File: BF138180.D
 Acq: 10 Jun 2024 19:07

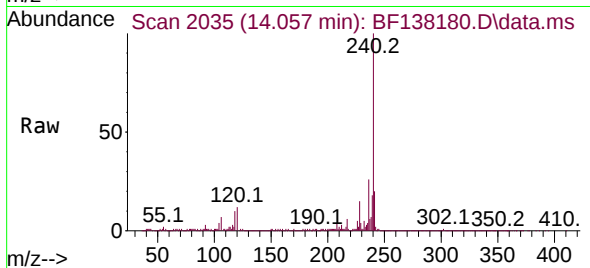
Tgt Ion:202 Resp: 1690593
 Ion Ratio Lower Upper
 202 100
 101 10.8 0.0 32.2
 203 18.2 0.0 39.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.011 min
Lab File: BF138180.D
Acq: 10 Jun 2024 19:07

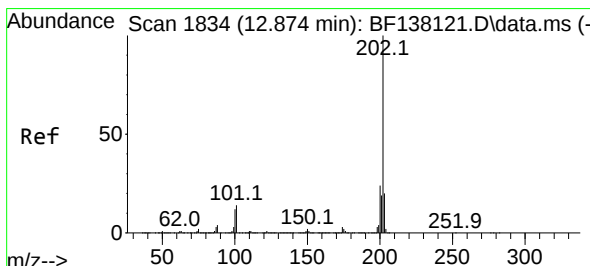
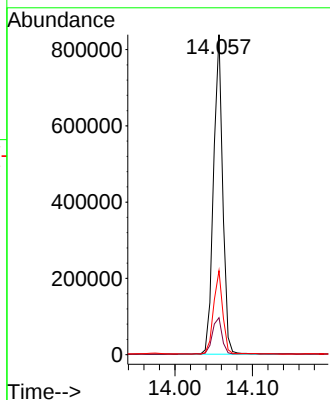
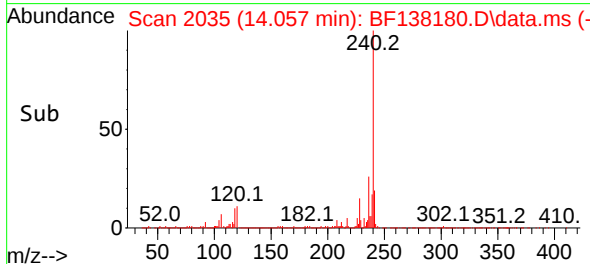
Instrument :
BNA_F
ClientSampleId :
SU-04-06072024



Tgt Ion:240 Resp: 69004
Ion Ratio Lower Upper
240 100
120 11.5 9.8 14.8
236 26.2 21.2 31.8

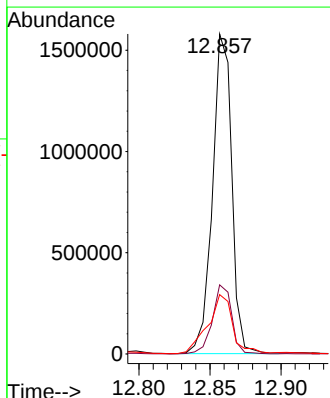
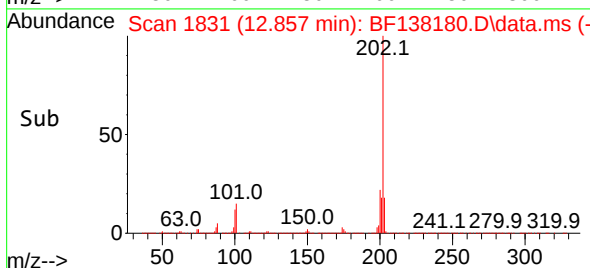
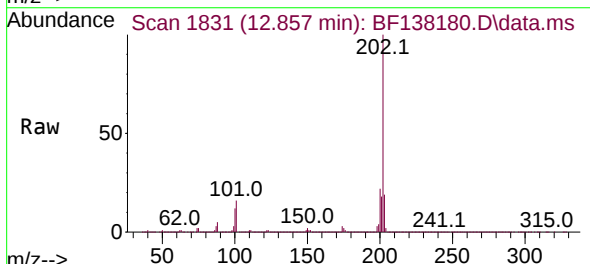
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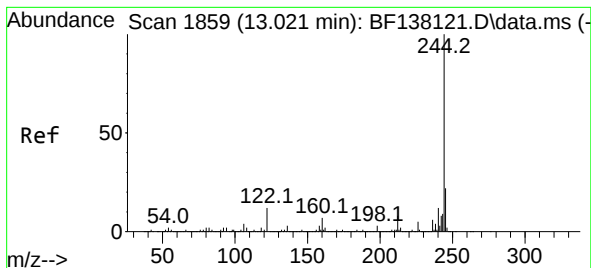
Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



#78
Pyrene
Concen: 23.878 ng
RT: 12.857 min Scan# 1831
Delta R.T. -0.018 min
Lab File: BF138180.D
Acq: 10 Jun 2024 19:07

Tgt Ion:202 Resp: 1490118
Ion Ratio Lower Upper
202 100
200 21.6 19.1 28.7
203 18.6 15.6 23.4





#79

Terphenyl-d14

Concen: 29.012 ng

RT: 13.004 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF138180.D

Acq: 10 Jun 2024 19:07

Instrument :

BNA_F

ClientSampleId :

SU-04-06072024

Tgt Ion:244 Resp: 1338450

Ion Ratio Lower Upper

244 100

212 6.2 6.4 9.6

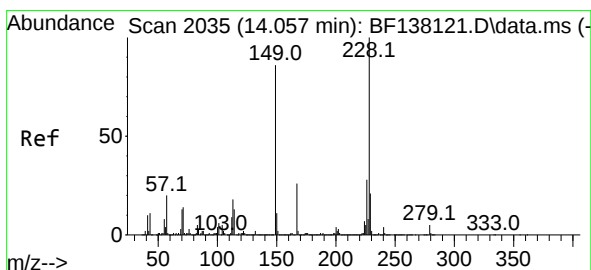
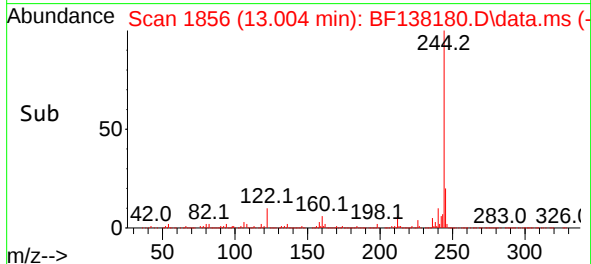
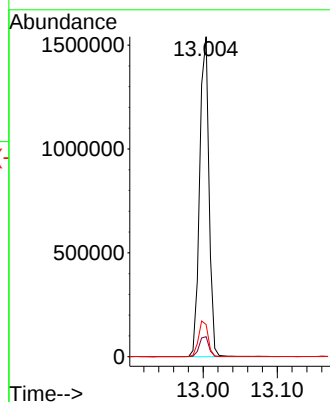
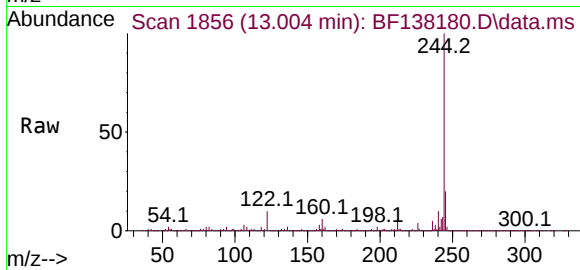
122 10.0 9.4 14.2

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Reviewed By :Jagrut Upadhyay 06/11/2024

Supervised By :mohammad ahmed 06/13/2024



#81

Benzo(a)anthracene

Concen: 16.345 ng

RT: 14.045 min Scan# 2033

Delta R.T. -0.012 min

Lab File: BF138180.D

Acq: 10 Jun 2024 19:07

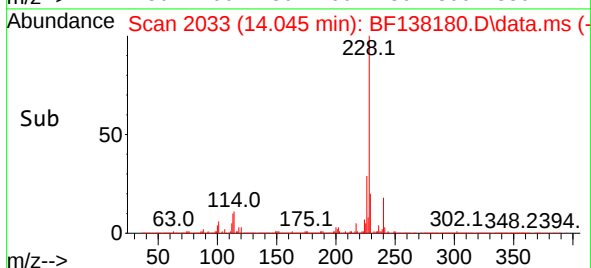
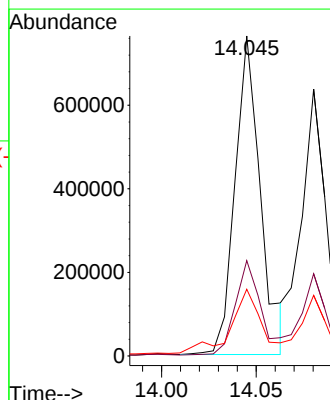
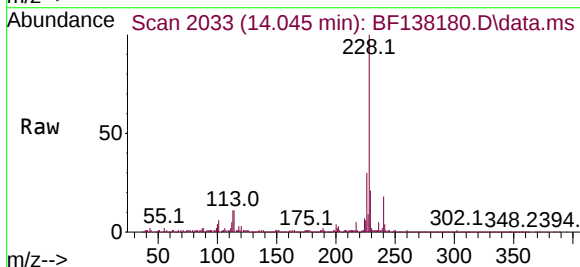
Tgt Ion:228 Resp: 711606

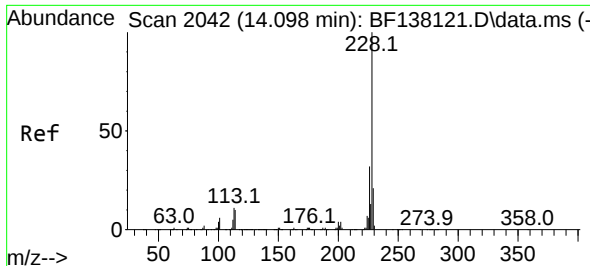
Ion Ratio Lower Upper

228 100

226 29.8 22.7 34.1

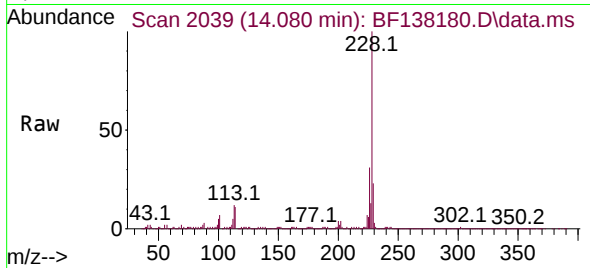
229 20.8 16.7 25.1





#83
Chrysene
Concen: 13.420 ng
RT: 14.080 min Scan# 2042
Delta R.T. -0.018 min
Lab File: BF138180.D
Acq: 10 Jun 2024 19:07

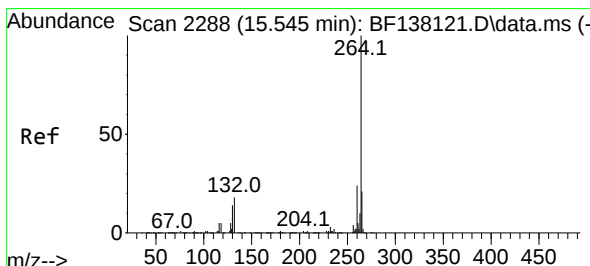
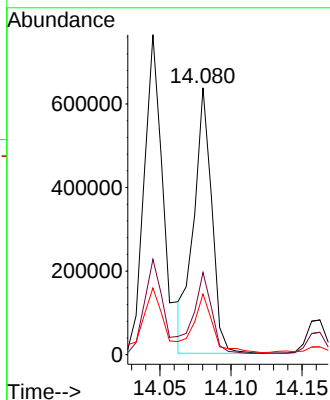
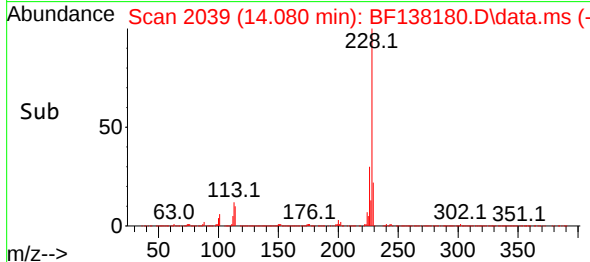
Instrument :
BNA_F
ClientSampleId :
SU-04-06072024



Tgt Ion:228 Resp: 560730
Ion Ratio Lower Upper
228 100
226 30.8 25.6 38.4
229 22.7 16.6 25.0

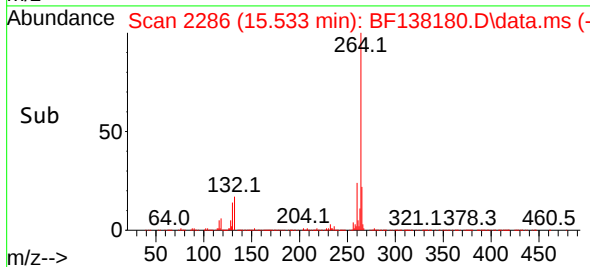
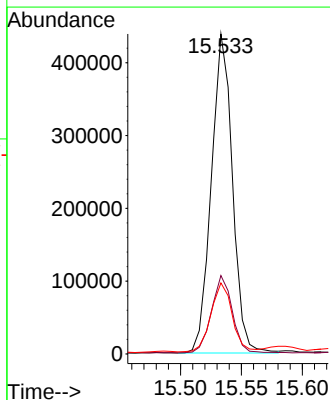
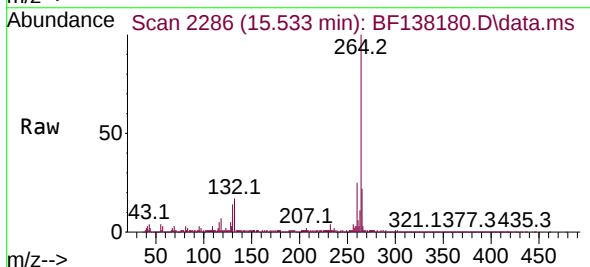
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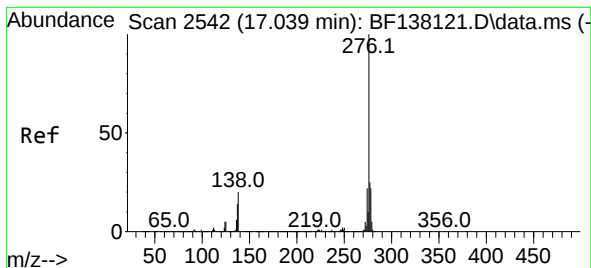
Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2286
Delta R.T. -0.012 min
Lab File: BF138180.D
Acq: 10 Jun 2024 19:07

Tgt Ion:264 Resp: 528780
Ion Ratio Lower Upper
264 100
260 24.5 19.4 29.2
265 22.2 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.898 ng

RT: 17.015 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF138180.D

Acq: 10 Jun 2024 19:07

Instrument :

BNA_F

ClientSampleId :

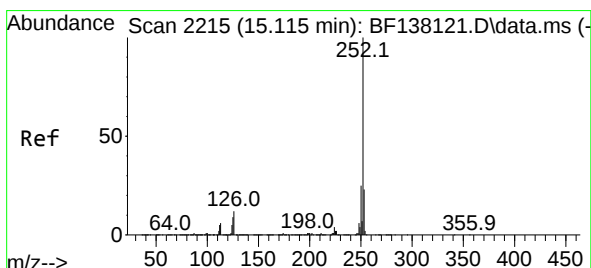
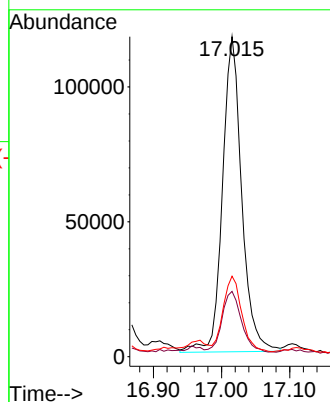
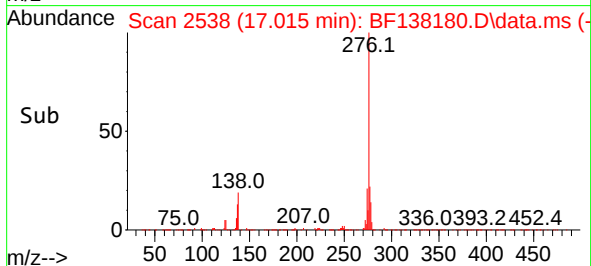
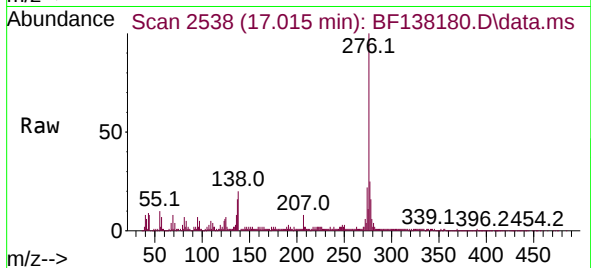
SU-04-06072024

Tgt Ion:276 Resp: 230170
 Ion Ratio Lower Upper
 276 100
 138 19.5 18.9 28.3
 277 22.9 20.3 30.5

Manual Integrations

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 Supervised By :mohammad ahmed 06/13/2024



#88

Benzo(b)fluoranthene

Concen: 16.758 ng m

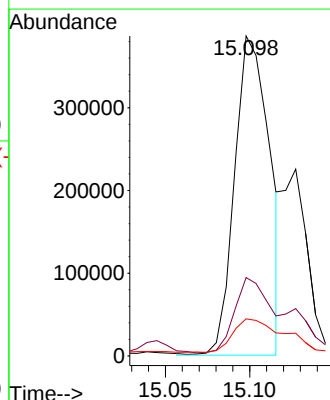
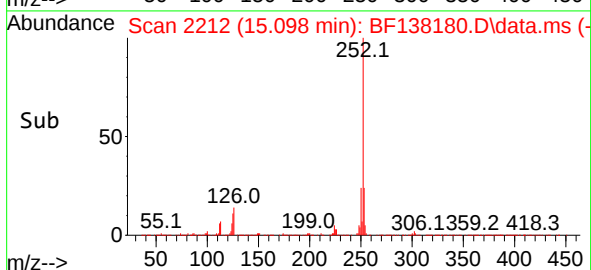
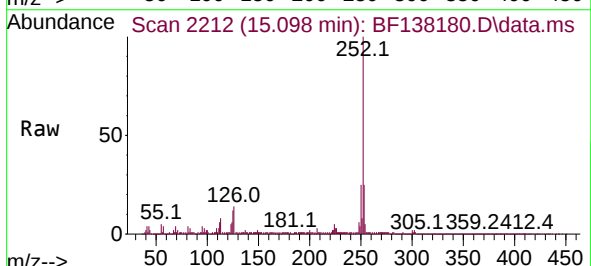
RT: 15.098 min Scan# 2212

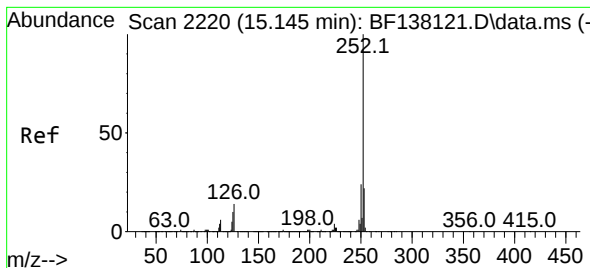
Delta R.T. -0.018 min

Lab File: BF138180.D

Acq: 10 Jun 2024 19:07

Tgt Ion:252 Resp: 557083
 Ion Ratio Lower Upper
 252 100
 253 24.5 18.2 27.2
 125 11.6 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 7.373 ng m

RT: 15.127 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF138180.D

Acq: 10 Jun 2024 19:07

Instrument :

BNA_F

ClientSampleId :

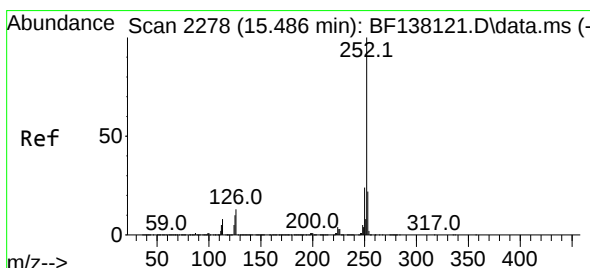
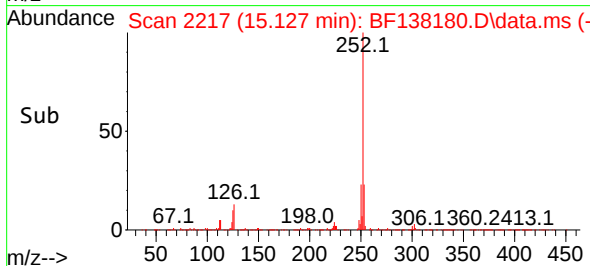
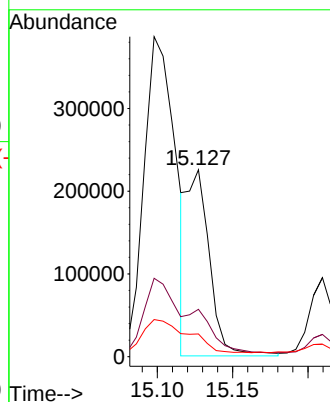
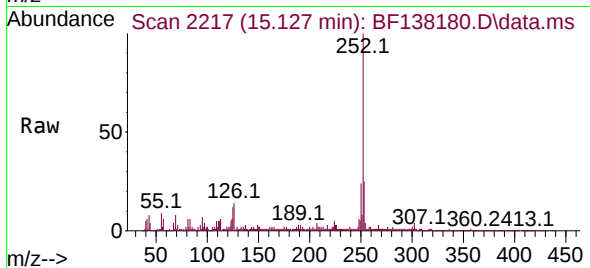
SU-04-06072024

Tgt Ion:252 Resp: 233720
 Ion Ratio Lower Upper
 252 100
 253 25.4 17.8 26.6
 125 12.2 7.8 11.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/11/2024
 Supervised By :mohammad ahmed 06/13/2024



#90

Benzo(a)pyrene

Concen: 16.111 ng

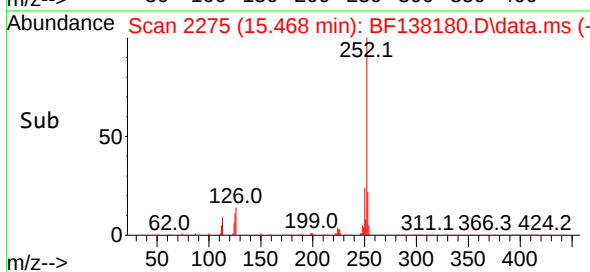
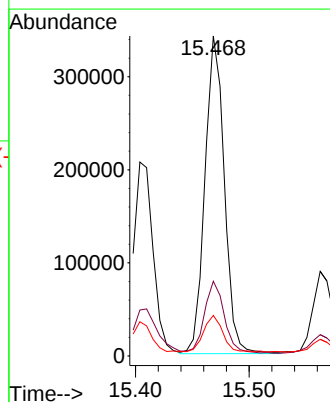
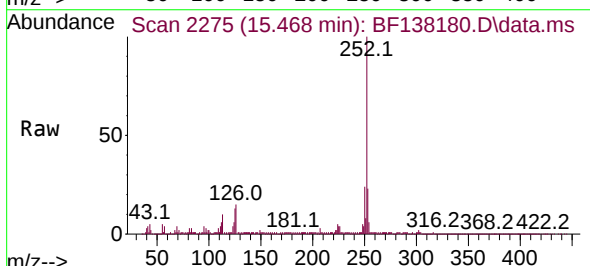
RT: 15.468 min Scan# 2275

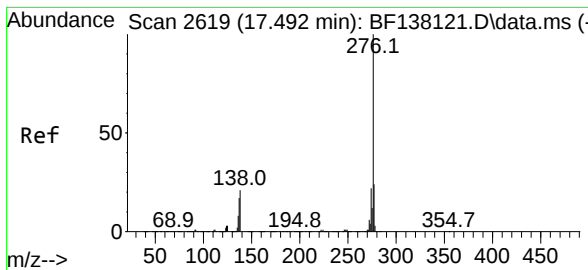
Delta R.T. -0.018 min

Lab File: BF138180.D

Acq: 10 Jun 2024 19:07

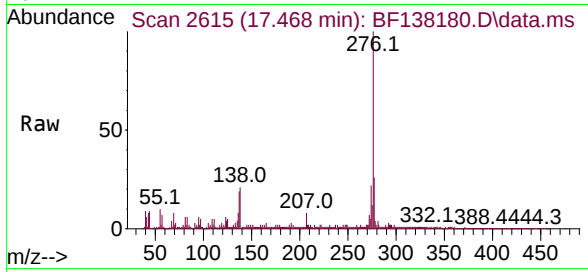
Tgt Ion:252 Resp: 405612
 Ion Ratio Lower Upper
 252 100
 253 23.3 17.8 26.6
 125 12.7 8.0 12.0





#92
 Benzo(g,h,i)perylene
 Concen: 11.551 ng
 RT: 17.468 min Scan# 20
 Delta R.T. -0.024 min
 Lab File: BF138180.D
 Acq: 10 Jun 2024 19:07

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-06072024



Tgt Ion:	276	Resp:	21842
Ion Ratio	Lower	Upper	
276	100		
277	25.7	19.0	28.4
138	21.2	16.5	24.7

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/11/2024
 Supervised By :mohammad ahmed 06/13/2024

