

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061024\
 Data File : BF138179.D
 Acq On : 10 Jun 2024 18:38
 Operator : CG\JU
 Sample : P2794-01 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-060724

Manual Integrations
 APPROVED

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

Quant Time: Jun 11 03:55:57 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	355711	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	1337309	20.000	ng	-0.02
39) Acenaphthene-d10	9.928	164	635695	20.000	ng	-0.02
64) Phenanthrene-d10	11.416	188	906816	20.000	ng	-0.02
76) Chrysene-d12	14.057	240	731879	20.000	ng	-0.01
86) Perylene-d12	15.527	264	566947	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1029054	49.303	ng	-0.02
7) Phenol-d6	6.510	99	1292133	48.930	ng	-0.02
23) Nitrobenzene-d5	7.451	82	656477	33.399	ng	-0.02
42) 2,4,6-Tribromophenol	10.716	330	215337	35.199	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	1495227	41.128	ng	-0.02
79) Terphenyl-d14	12.998	244	1309189	26.756	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	11.439	178	468593	10.734	ng	95
72) Anthracene	11.492	178	88234	2.026	ng	96
75) Fluoranthene	12.627	202	1171427	24.870	ng	98
78) Pyrene	12.857	202	1106922	16.723	ng	95
81) Benzo(a)anthracene	14.045	228	600380	13.002	ng	99
83) Chrysene	14.080	228	590912	13.334	ng	97
87) Indeno(1,2,3-cd)pyrene	17.010	276	221697	10.144	ng	96
88) Benzo(b)fluoranthene	15.098	252	600818m	16.857	ng	
89) Benzo(k)fluoranthene	15.121	252	203782m	5.996	ng	
90) Benzo(a)pyrene	15.463	252	378131	14.009	ng	# 97
92) Benzo(g,h,i)perylene	17.457	276	223348	11.155	ng	98

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

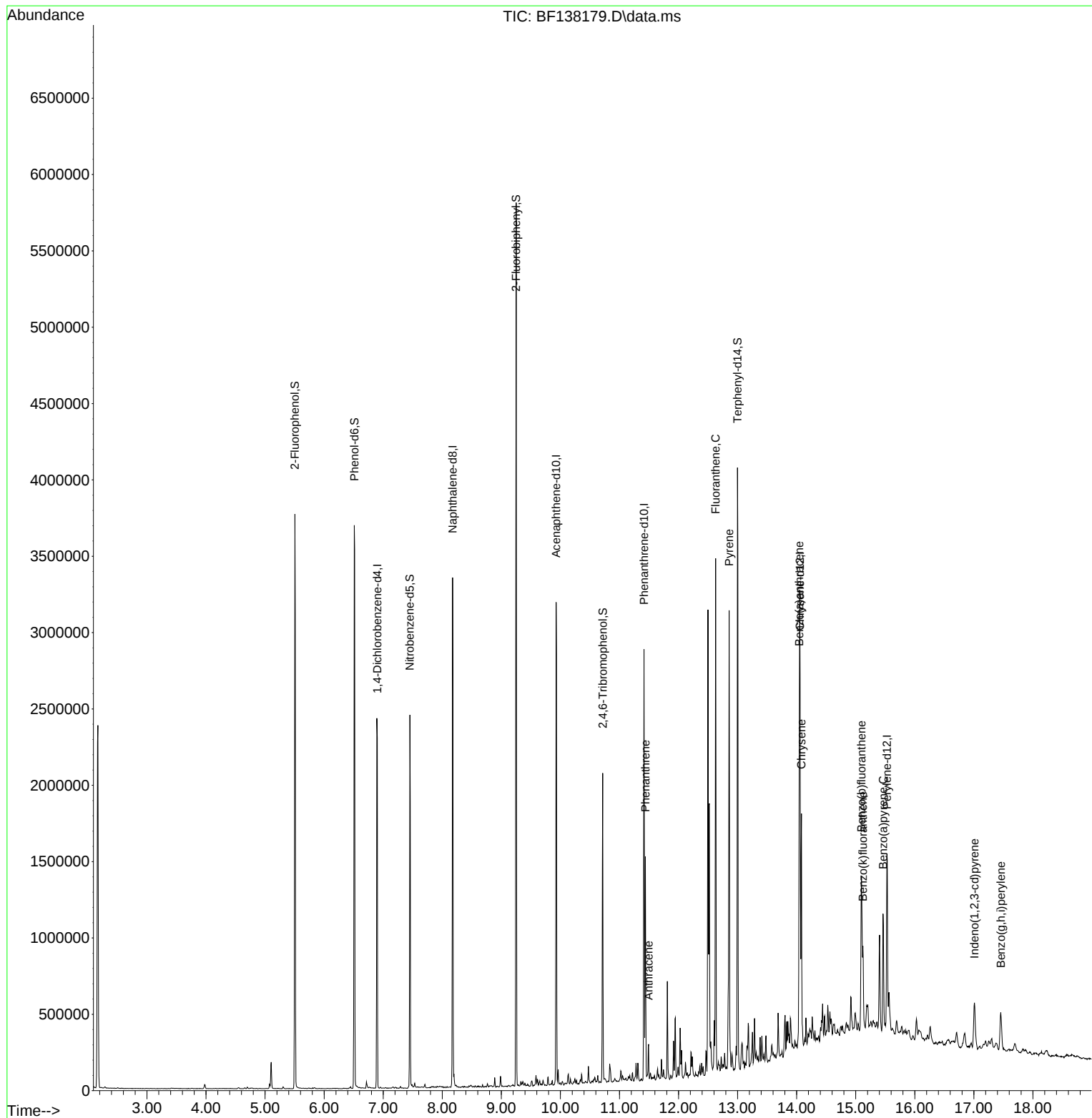
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Data File : BF138179.D
Acq On : 10 Jun 2024 18:38
Operator : CG\JU
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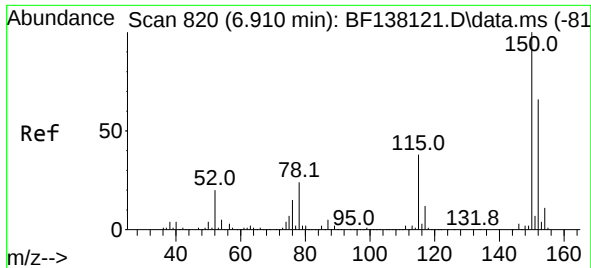
Instrument :
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Quant Time: Jun 11 03:55:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060524.M
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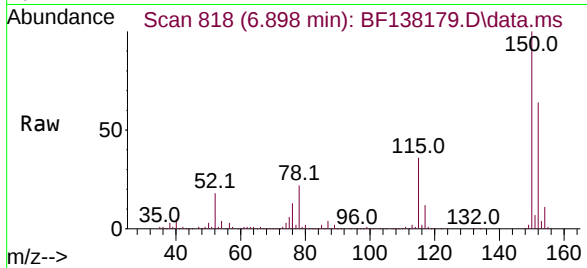
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Supervised By :mohammad ahmed 06/13/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF138179.D
Acq: 10 Jun 2024 18:38

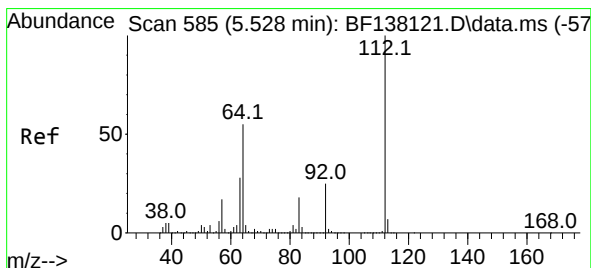
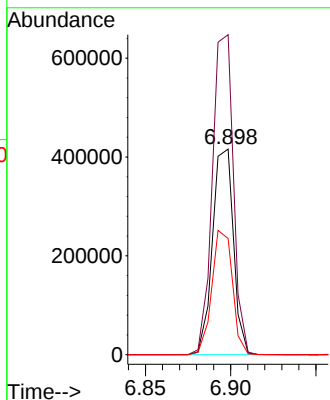
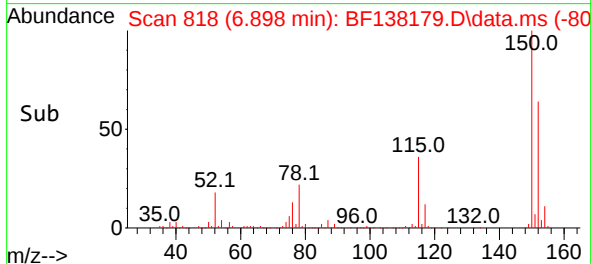
Instrument :
BNA_F
ClientSampleId :
TR-04-060724



Tgt Ion:152 Resp: 35571
Ion Ratio Lower Upper
152 100
150 155.6 121.8 182.6
115 56.5 46.2 69.2

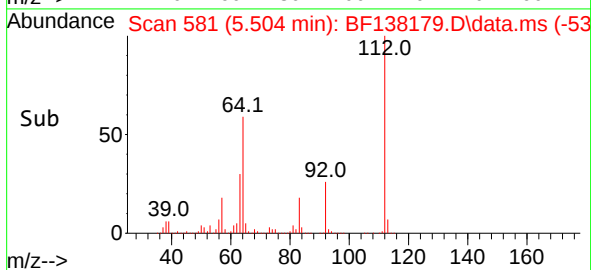
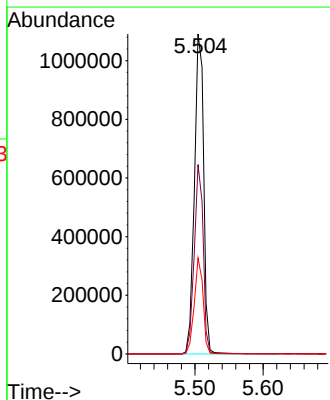
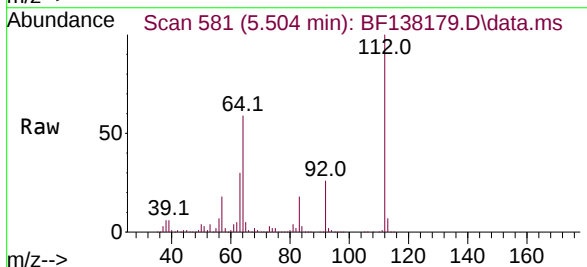
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#5
2-Fluorophenol
Concen: 49.303 ng
RT: 5.504 min Scan# 581
Delta R.T. -0.023 min
Lab File: BF138179.D
Acq: 10 Jun 2024 18:38

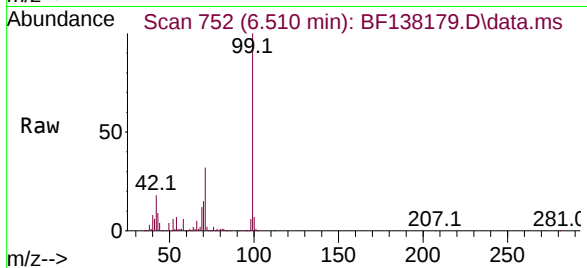
Tgt Ion:112 Resp: 1029054
Ion Ratio Lower Upper
112 100
64 59.2 44.0 66.0
63 30.0 22.1 33.1





#7
Phenol-d6
Concen: 48.930 ng
RT: 6.510 min Scan# 752
Delta R.T. -0.023 min
Lab File: BF138179.D
Acq: 10 Jun 2024 18:38

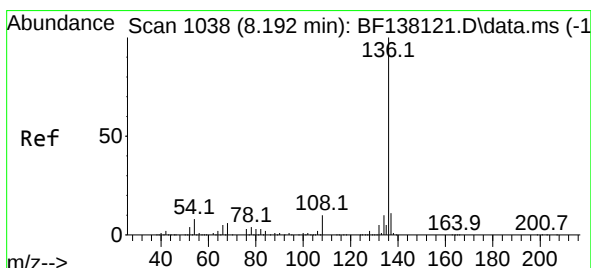
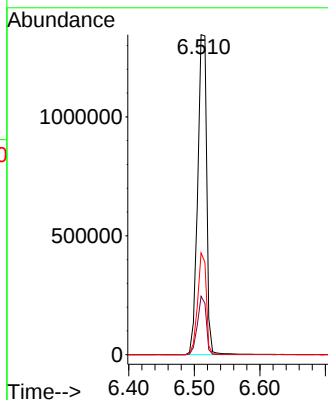
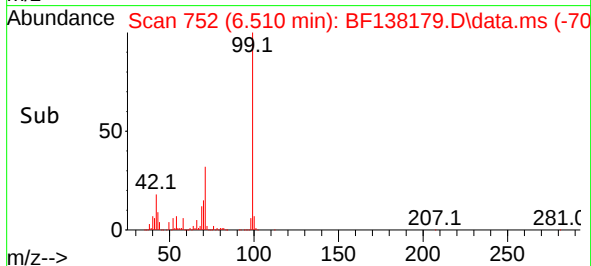
Instrument :
BNA_F
ClientSampleId :
TR-04-060724



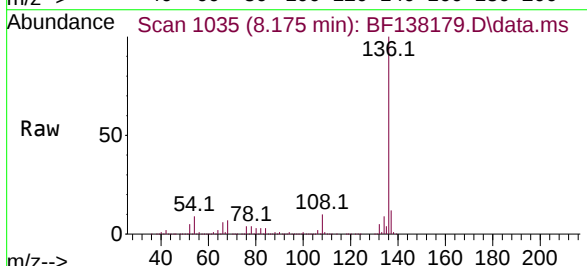
Tgt Ion: 99 Resp: 129213
Ion Ratio Lower Upper
99 100
42 18.2 14.4 21.6
71 31.8 25.5 38.3

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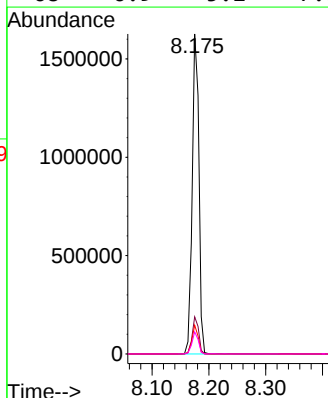
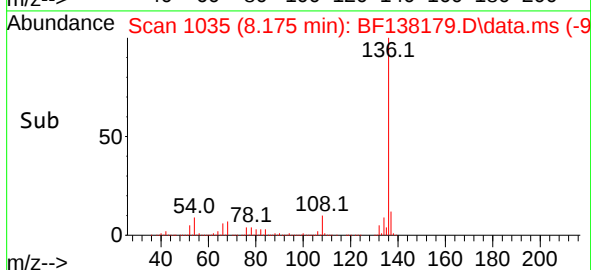
Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024

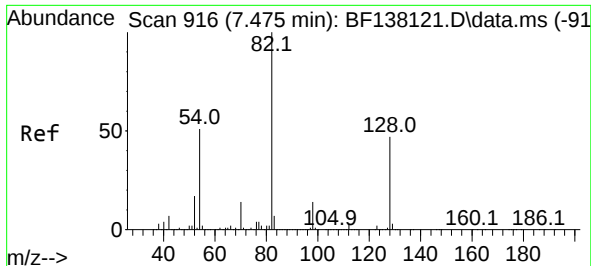


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.018 min
Lab File: BF138179.D
Acq: 10 Jun 2024 18:38



Tgt Ion:136 Resp: 1337309
Ion Ratio Lower Upper
136 100
137 11.6 9.1 13.7
54 9.0 6.2 9.2
68 6.9 5.2 7.8





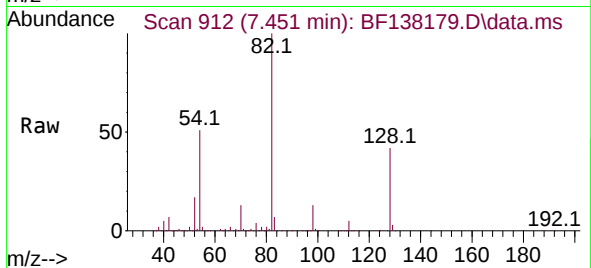
#23
Nitrobenzene-d5
Concen: 33.399 ng
RT: 7.451 min Scan# 916
Delta R.T. -0.023 min
Lab File: BF138179.D
Acq: 10 Jun 2024 18:38

Instrument :

BNA_F

ClientSampleId :

TR-04-060724

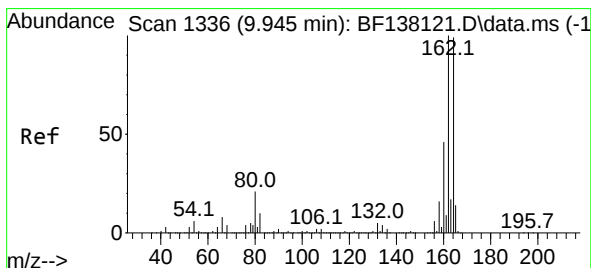
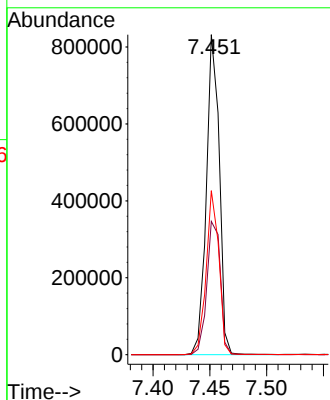
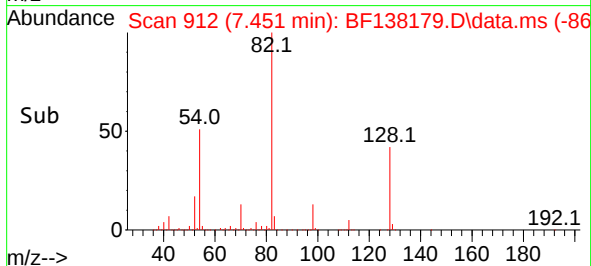


Tgt Ion: 82 Resp: 65647
Ion Ratio Lower Upper
82 100
128 41.6 37.7 56.5
54 51.2 40.8 61.2

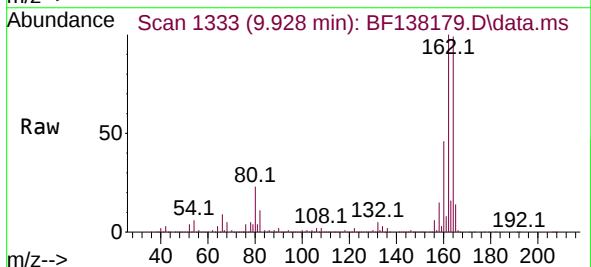
Manual Integrations

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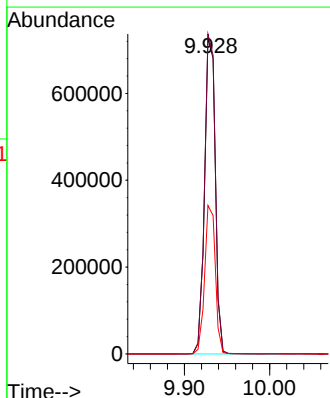
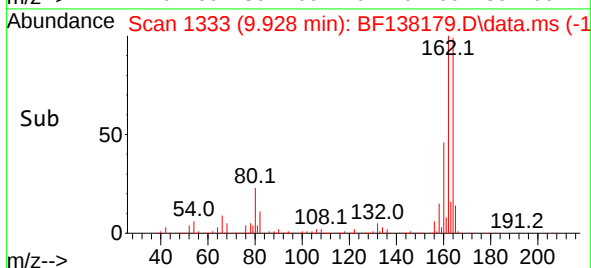
Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024

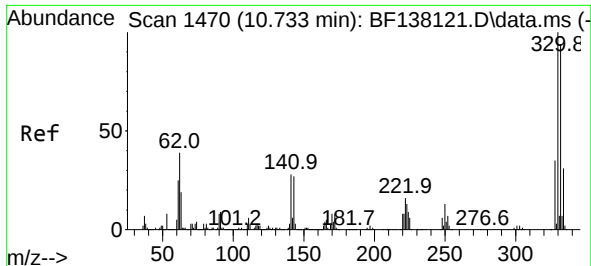


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1333
Delta R.T. -0.018 min
Lab File: BF138179.D
Acq: 10 Jun 2024 18:38



Tgt Ion:164 Resp: 635695
Ion Ratio Lower Upper
164 100
162 101.3 80.9 121.3
160 47.0 37.0 55.6





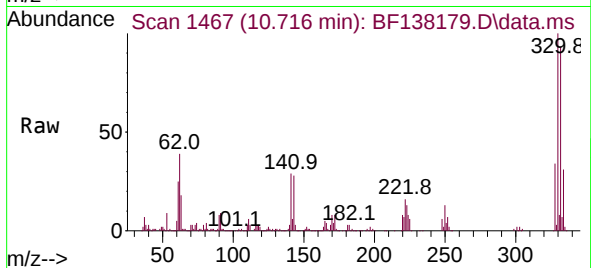
#42
2,4,6-Tribromophenol
Concen: 35.199 ng
RT: 10.716 min Scan# 1470
Delta R.T. -0.017 min
Lab File: BF138179.D
Acq: 10 Jun 2024 18:38

Instrument :

BNA_F

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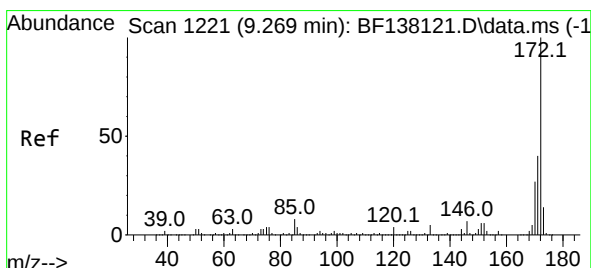
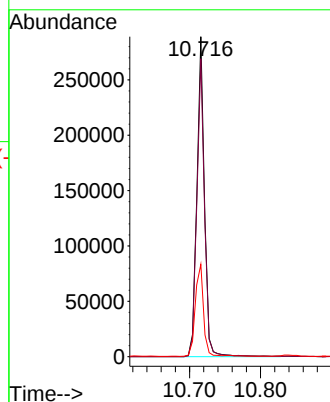
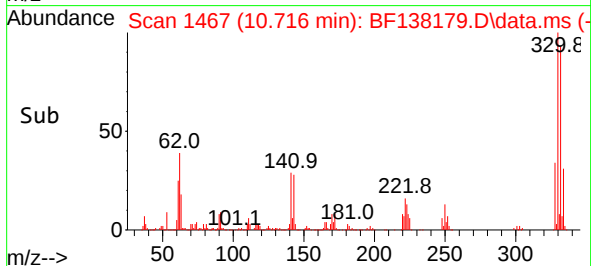


Tgt Ion:330 Resp: 215337
Ion Ratio Lower Upper
330 100
332 94.1 75.8 113.8
141 31.2 23.2 34.8

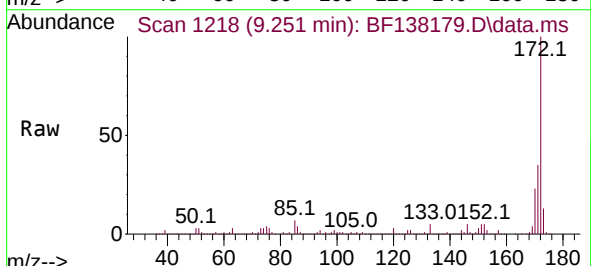
Manual Integrations

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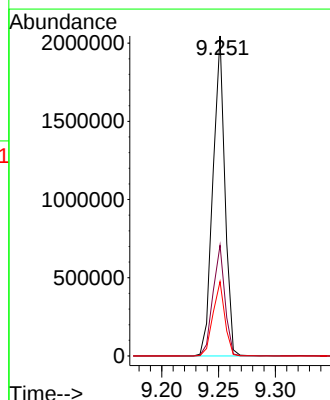
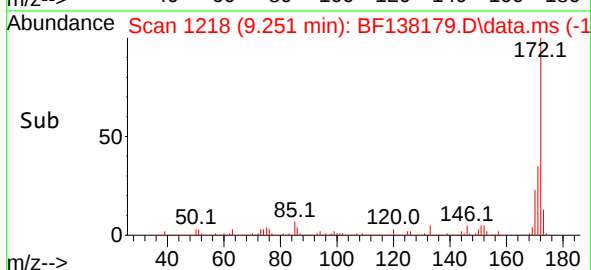
Reviewed By :Jagrut Upadhyay 06/11/2024
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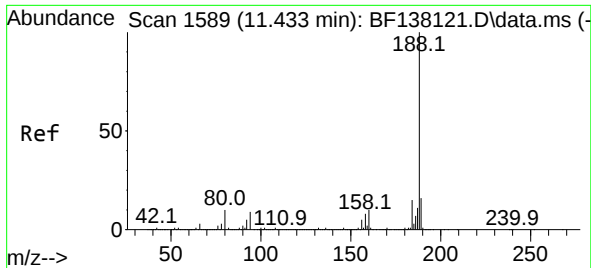


#45
2-Fluorobiphenyl
Concen: 41.128 ng
RT: 9.251 min Scan# 1218
Delta R.T. -0.018 min
Lab File: BF138179.D
Acq: 10 Jun 2024 18:38



Tgt Ion:172 Resp: 1495227
Ion Ratio Lower Upper
172 100
171 34.6 31.6 47.4
170 23.3 21.4 32.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF138179.D
Acq: 10 Jun 2024 18:38

Instrument :

BNA_F

ClientSampleId :

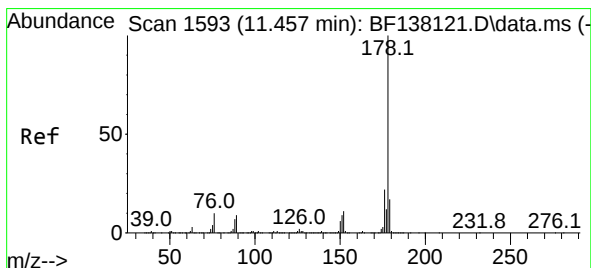
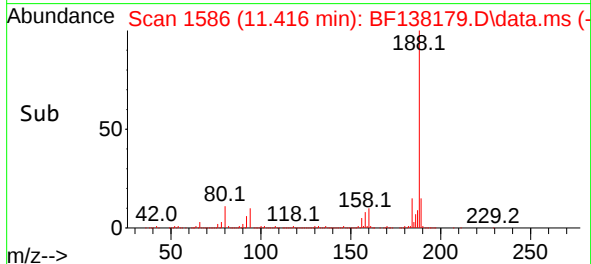
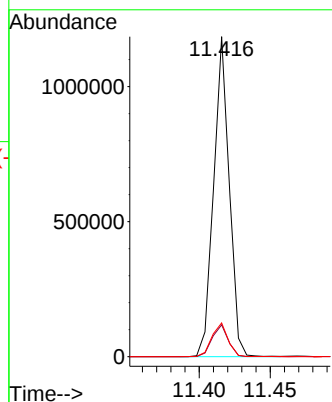
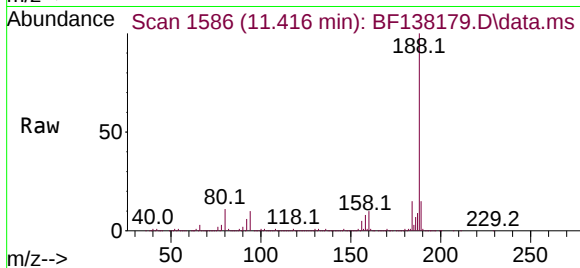
TR-04-060724

Tgt Ion:188 Resp: 906810
Ion Ratio Lower Upper
188 100
94 9.9 7.4 11.2
80 10.5 7.7 11.5

Manual Integrations

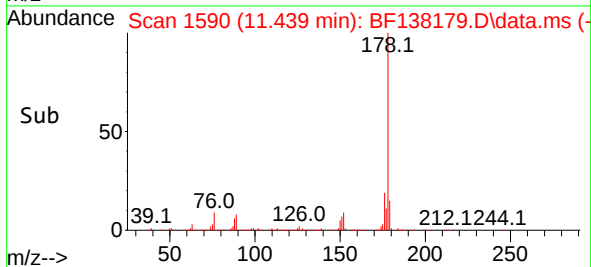
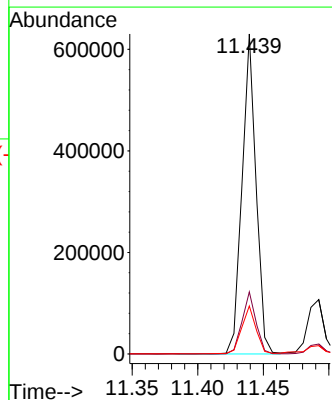
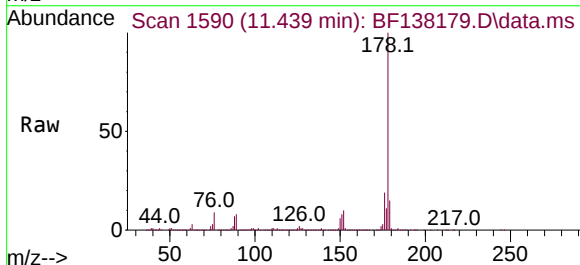
APPROVED

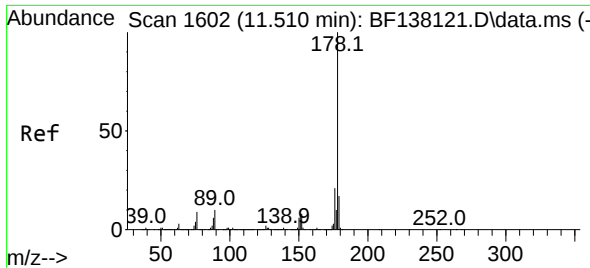
Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



#71
Phenanthrene
Concen: 10.734 ng
RT: 11.439 min Scan# 1590
Delta R.T. -0.018 min
Lab File: BF138179.D
Acq: 10 Jun 2024 18:38

Tgt Ion:178 Resp: 468593
Ion Ratio Lower Upper
178 100
176 19.4 17.2 25.8
179 15.0 13.6 20.4





#72
 Anthracene
 Concen: 2.026 ng
 RT: 11.492 min Scan# 11492
 Delta R.T. -0.018 min
 Lab File: BF138179.D
 Acq: 10 Jun 2024 18:38

Instrument :

BNA_F

ClientSampleId :

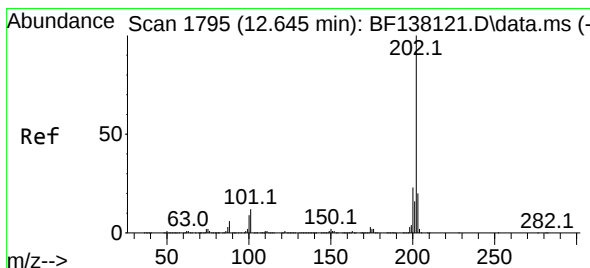
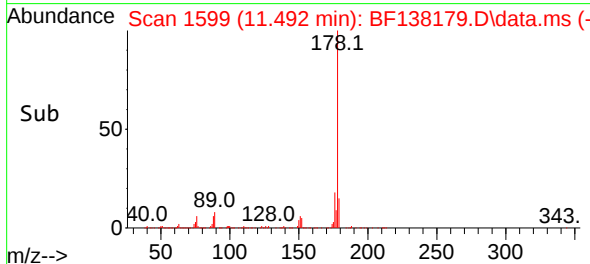
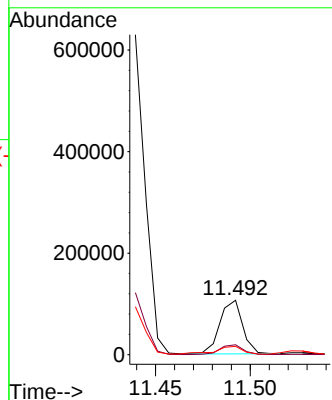
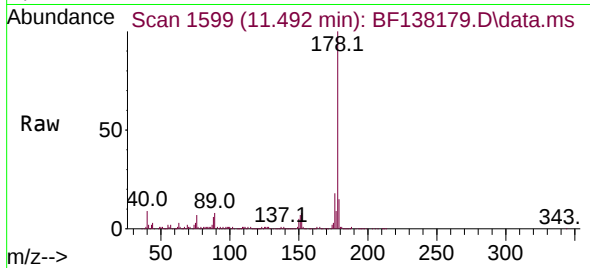
TR-04-060724

Tgt Ion:178 Resp: 88234
 Ion Ratio Lower Upper
 178 100
 176 18.2 16.5 24.7
 179 15.4 13.6 20.4

Manual Integrations

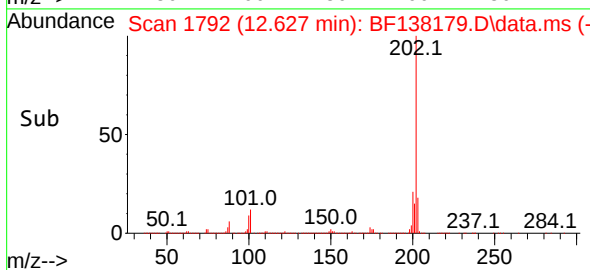
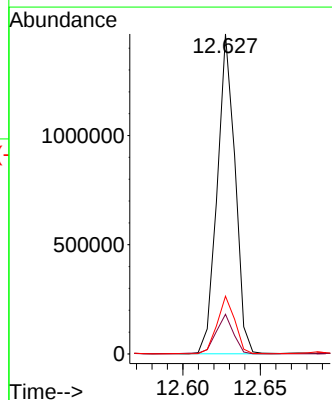
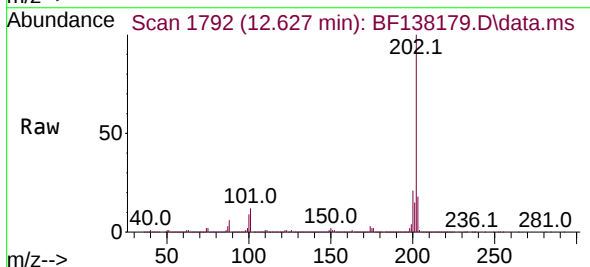
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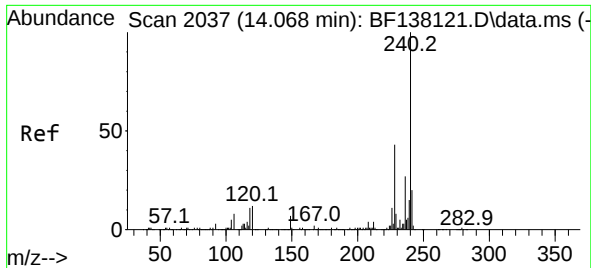
Reviewed By :Jagrut Upadhyay 06/11/2024
 Supervised By :mohammad ahmed 06/13/2024



#75
 Fluoranthene
 Concen: 24.870 ng
 RT: 12.627 min Scan# 1792
 Delta R.T. -0.018 min
 Lab File: BF138179.D
 Acq: 10 Jun 2024 18:38

Tgt Ion:202 Resp: 1171427
 Ion Ratio Lower Upper
 202 100
 101 12.4 0.0 32.2
 203 18.1 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: BF138179.D
Acq: 10 Jun 2024 18:38

Instrument :

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ClientSampleId :

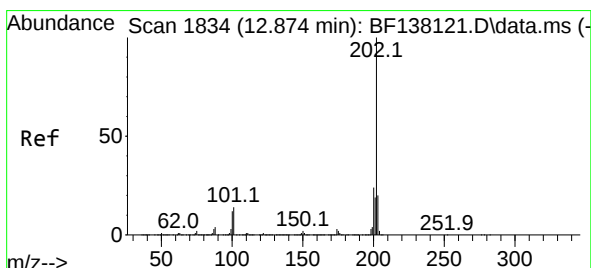
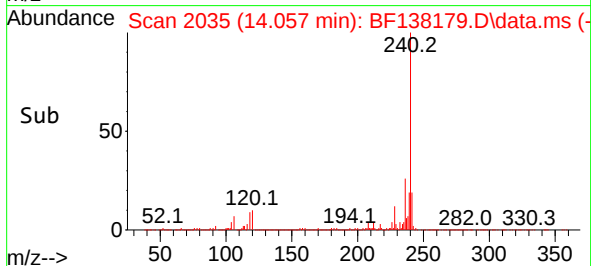
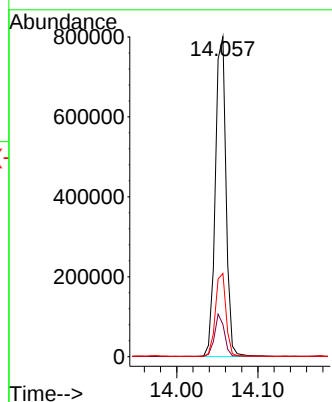
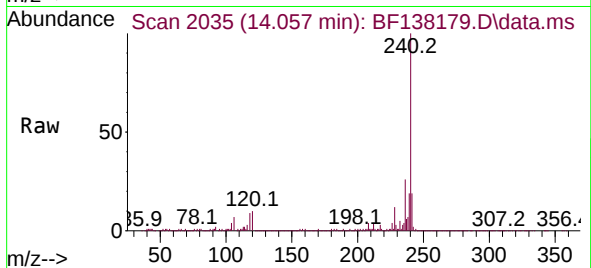
TR-04-060724

Tgt Ion:240 Resp: 731879
Ion Ratio Lower Upper
240 100
120 10.1 9.8 14.8
236 26.0 21.2 31.8

Manual Integrations

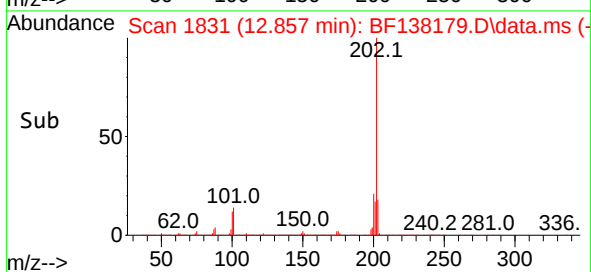
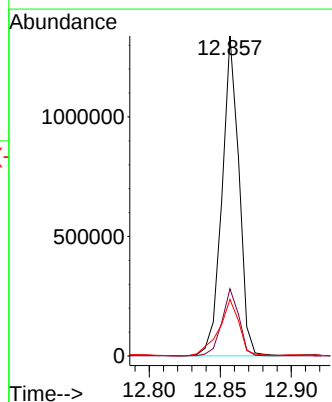
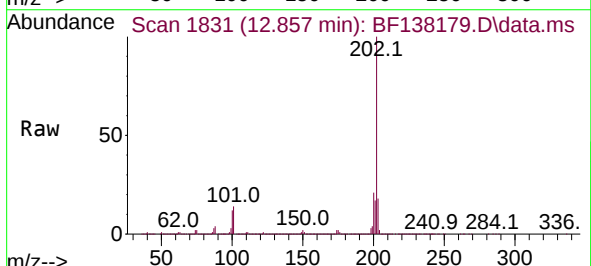
APPROVED

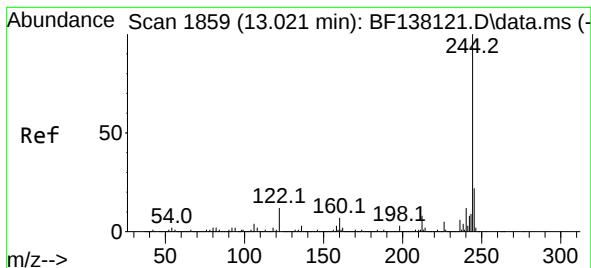
Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



#78
Pyrene
Concen: 16.723 ng
RT: 12.857 min Scan# 1831
Delta R.T. -0.018 min
Lab File: BF138179.D
Acq: 10 Jun 2024 18:38

Tgt Ion:202 Resp: 1106922
Ion Ratio Lower Upper
202 100
200 21.0 19.1 28.7
203 17.6 15.6 23.4





#79

Terphenyl-d14

Concen: 26.756 ng

RT: 12.998 min Scan# 1855

Delta R.T. -0.023 min

Lab File: BF138179.D

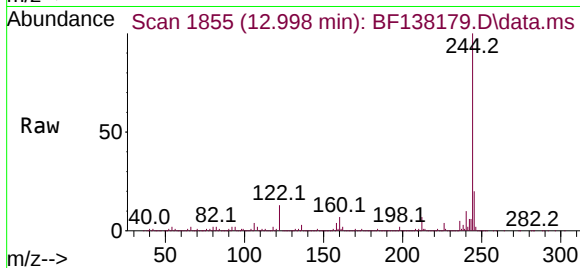
Acq: 10 Jun 2024 18:38

Instrument :

BNA_F

ClientSampleId :

TR-04-060724



Tgt Ion:244 Resp: 1309189

Ion Ratio Lower Upper

244 100

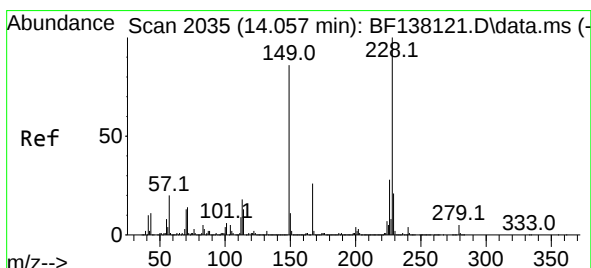
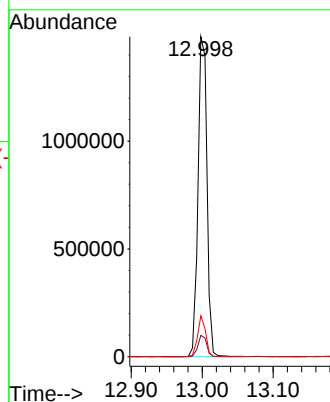
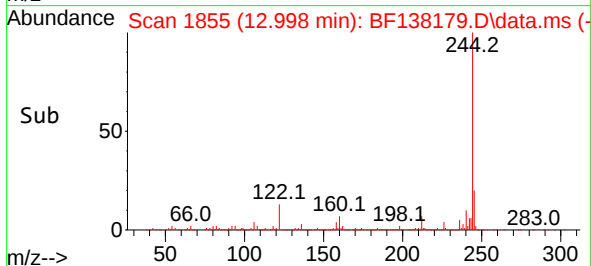
212 6.7 6.4 9.6

122 12.7 9.4 14.2

Manual Integrations

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



#81

Benzo(a)anthracene

Concen: 13.002 ng

RT: 14.045 min Scan# 2033

Delta R.T. -0.012 min

Lab File: BF138179.D

Acq: 10 Jun 2024 18:38

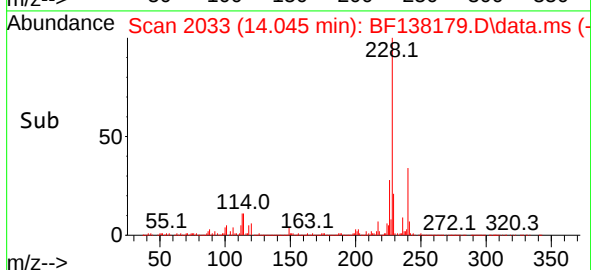
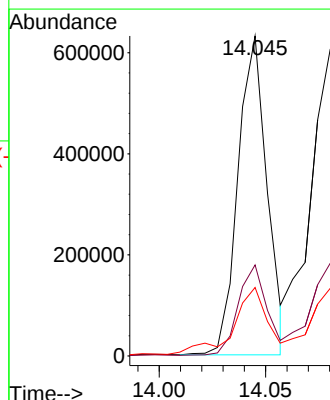
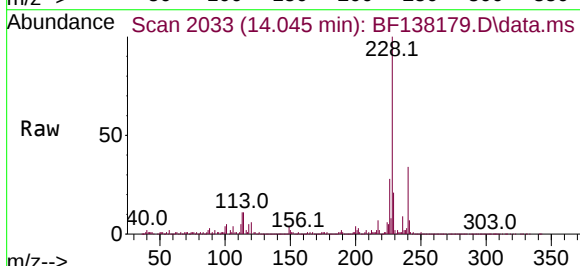
Tgt Ion:228 Resp: 600380

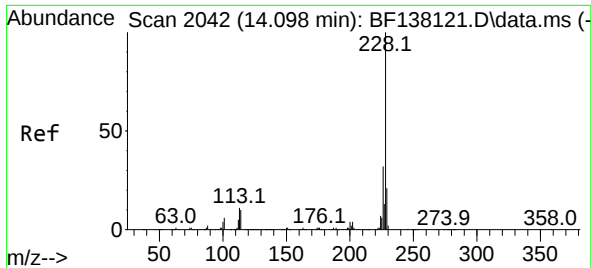
Ion Ratio Lower Upper

228 100

226 28.5 22.7 34.1

229 21.4 16.7 25.1





#83
Chrysene
Concen: 13.334 ng
RT: 14.080 min Scan# 2042
Delta R.T. -0.018 min
Lab File: BF138179.D
Acq: 10 Jun 2024 18:38

Instrument :

BNA_F

ClientSampleId :

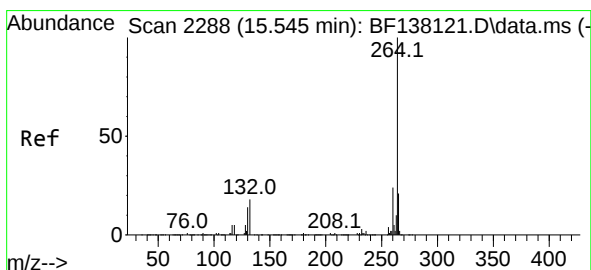
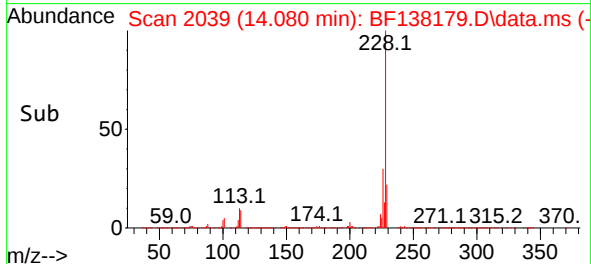
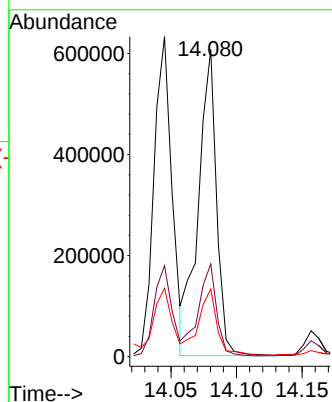
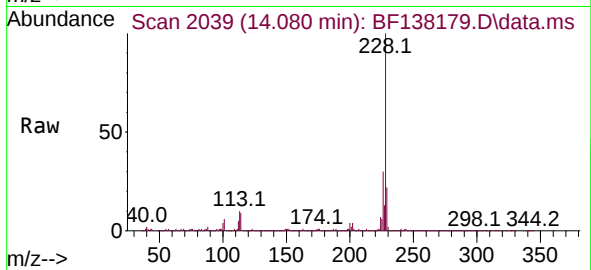
TR-04-060724

Tgt Ion:228 Resp: 590912
Ion Ratio Lower Upper
228 100
226 30.2 25.6 38.4
229 22.0 16.6 25.0

Manual Integrations

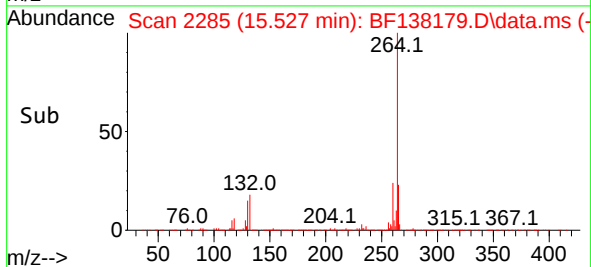
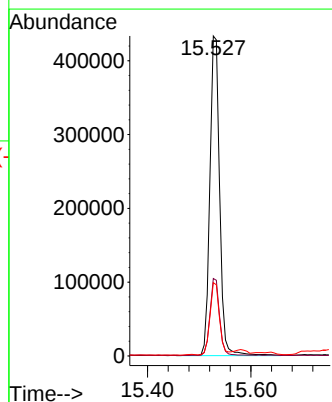
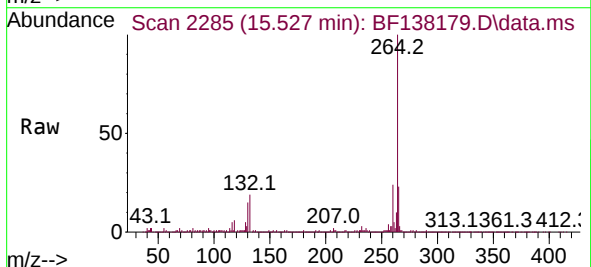
APPROVED

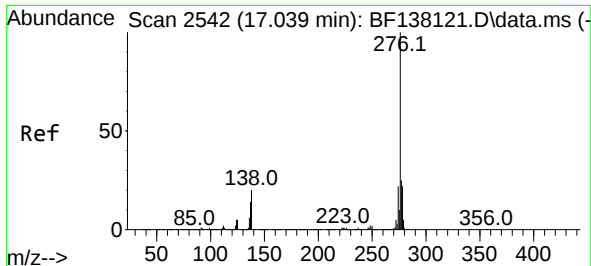
Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2285
Delta R.T. -0.018 min
Lab File: BF138179.D
Acq: 10 Jun 2024 18:38

Tgt Ion:264 Resp: 566947
Ion Ratio Lower Upper
264 100
260 24.2 19.4 29.2
265 22.9 17.1 25.7





#87
Indeno(1,2,3-cd)pyrene
Concen: 10.144 ng
RT: 17.010 min Scan# 211
Delta R.T. -0.029 min
Lab File: BF138179.D
Acq: 10 Jun 2024 18:38

Instrument :

BNA_F

ClientSampleId :

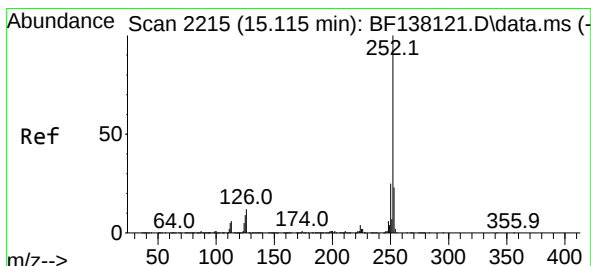
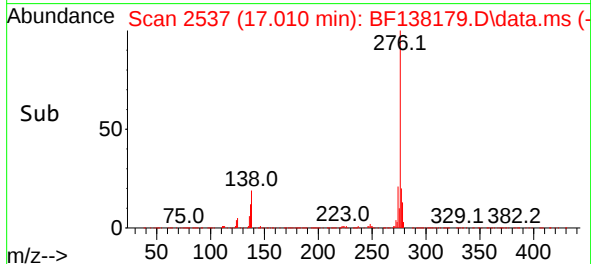
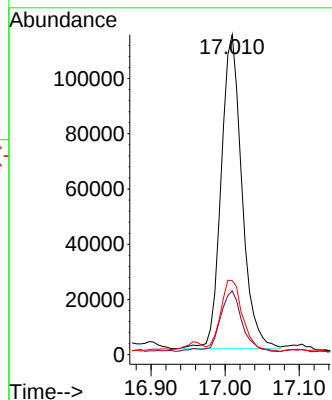
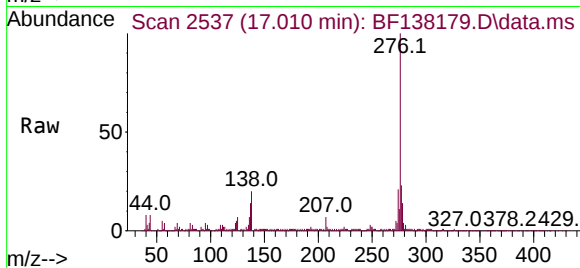
TR-04-060724

Tgt Ion:276 Resp: 22169
Ion Ratio Lower Upper
276 100
138 20.5 18.9 28.3
277 24.0 20.3 30.5

Manual Integrations

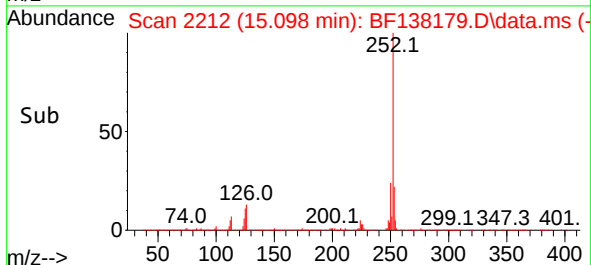
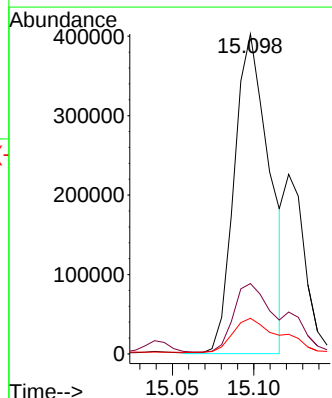
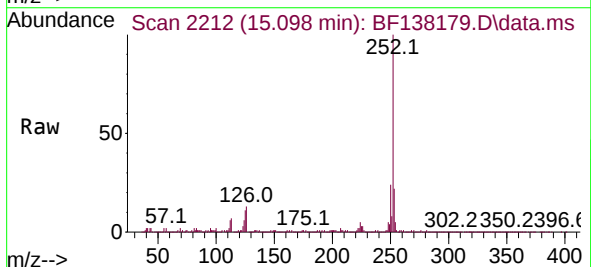
APPROVED

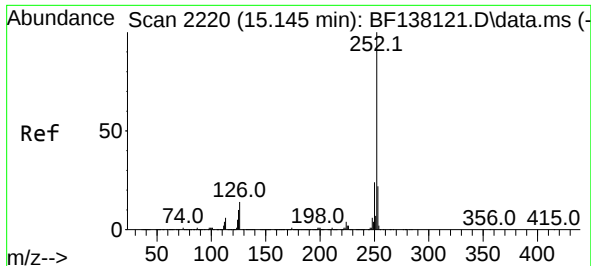
Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



#88
Benzo(b)fluoranthene
Concen: 16.857 ng m
RT: 15.098 min Scan# 2212
Delta R.T. -0.018 min
Lab File: BF138179.D
Acq: 10 Jun 2024 18:38

Tgt Ion:252 Resp: 600818
Ion Ratio Lower Upper
252 100
253 22.0 18.2 27.2
125 11.2 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 5.996 ng m

RT: 15.121 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF138179.D

Acq: 10 Jun 2024 18:38

Instrument :

BNA_F

ClientSampleId :

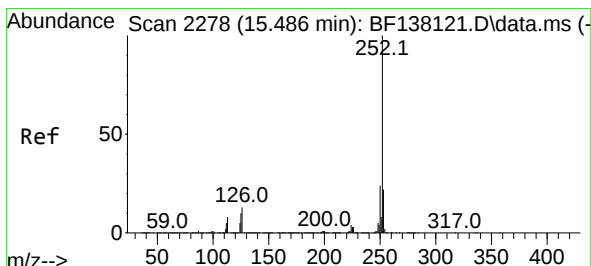
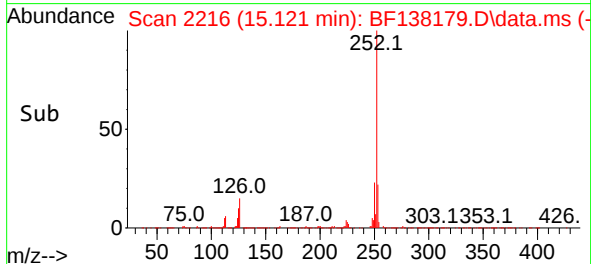
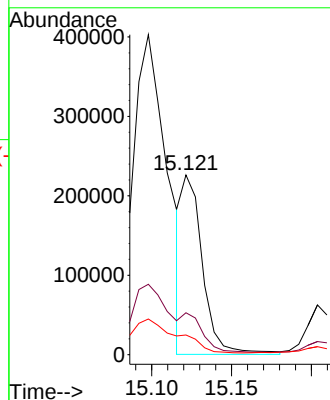
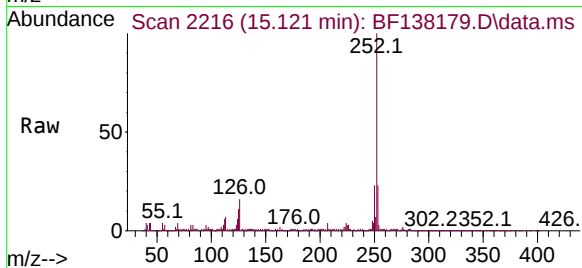
TR-04-060724

Tgt Ion:252 Resp: 203782
 Ion Ratio Lower Upper
 252 100
 253 23.3 17.8 26.6
 125 11.0 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: 14.009 ng

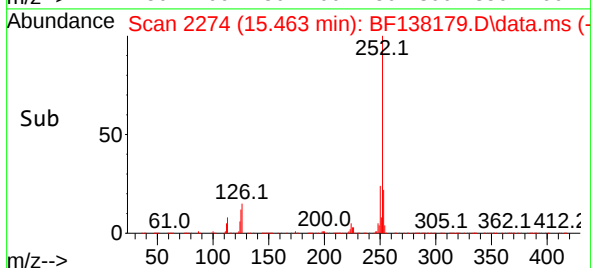
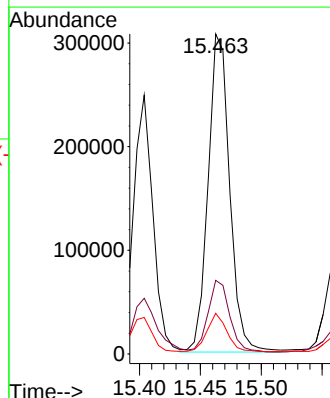
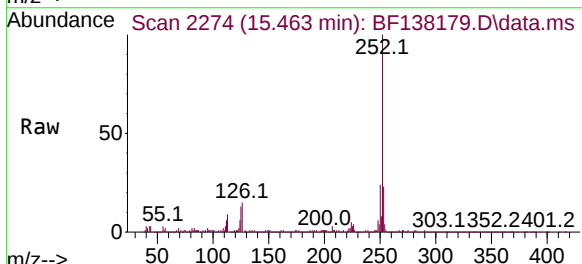
RT: 15.463 min Scan# 2274

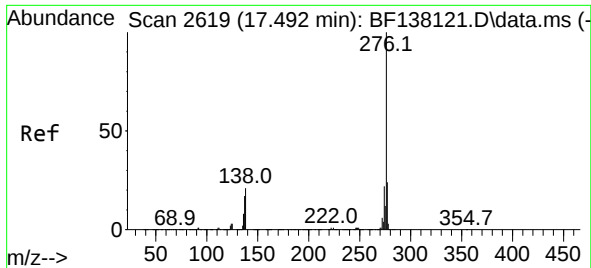
Delta R.T. -0.023 min

Lab File: BF138179.D

Acq: 10 Jun 2024 18:38

Tgt Ion:252 Resp: 378131
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.8 26.6
 125 12.7 8.0 12.0#





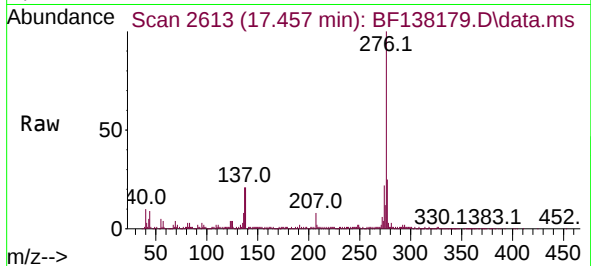
#92
Benzo(g,h,i)perylene
Concen: 11.155 ng
RT: 17.457 min Scan# 20
Delta R.T. -0.035 min
Lab File: BF138179.D
Acq: 10 Jun 2024 18:38

Instrument :

BNA_F

ClientSampleId :

TR-04-060724



Tgt Ion:276 Resp: 223348
Ion Ratio Lower Upper
276 100
277 25.3 19.0 28.4
138 20.7 16.5 24.7

Manual Integrations

APPROVED

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

