

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061824\
 Data File : BF138236.D
 Acq On : 18 Jun 2024 20:59
 Operator : CG\JU
 Sample : P2880-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-06132024

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/19/2024
 Supervised By :mohammad ahmed 06/21/2024

Quant Time: Jun 19 01:25:06 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 01:52:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	371641	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	1319905	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	590531	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	833785	20.000	ng	0.00
76) Chrysene-d12	14.045	240	626624	20.000	ng	0.00
86) Perylene-d12	15.521	264	517849	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	774755	34.873	ng	0.00
7) Phenol-d6	6.510	99	911839	32.368	ng	-0.01
23) Nitrobenzene-d5	7.451	82	530270	23.388	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	163708	27.847	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1023404	27.558	ng	0.00
79) Terphenyl-d14	12.992	244	919827	23.249	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.786	152	101900	2.122	ng	99
52) Acenaphthene	9.957	154	97365	2.973	ng	98
58) Fluorene	10.469	166	155783	4.328	ng	100
71) Phenanthrene	11.433	178	1244587	30.184	ng	98
72) Anthracene	11.486	178	358597	8.759	ng	97
73) Carbazole	11.639	167	101006	2.690	ng	98
75) Fluoranthene	12.621	202	2068014	49.184	ng	98
78) Pyrene	12.851	202	2142810	39.645	ng	99
81) Benzo(a)anthracene	14.039	228	894710	22.256	ng	97
83) Chrysene	14.074	228	811277	21.172	ng	98
87) Indeno(1,2,3-cd)pyrene	16.998	276	399624	11.838	ng	95
88) Benzo(b)fluoranthene	15.086	252	834973m	27.342	ng	
89) Benzo(k)fluoranthene	15.115	252	332401m	11.107	ng	
90) Benzo(a)pyrene	15.457	252	639188	24.364	ng	97
91) Dibenzo(a,h)anthracene	17.009	278	93872	3.388	ng	94
92) Benzo(g,h,i)perylene	17.445	276	398020	13.885	ng	98

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

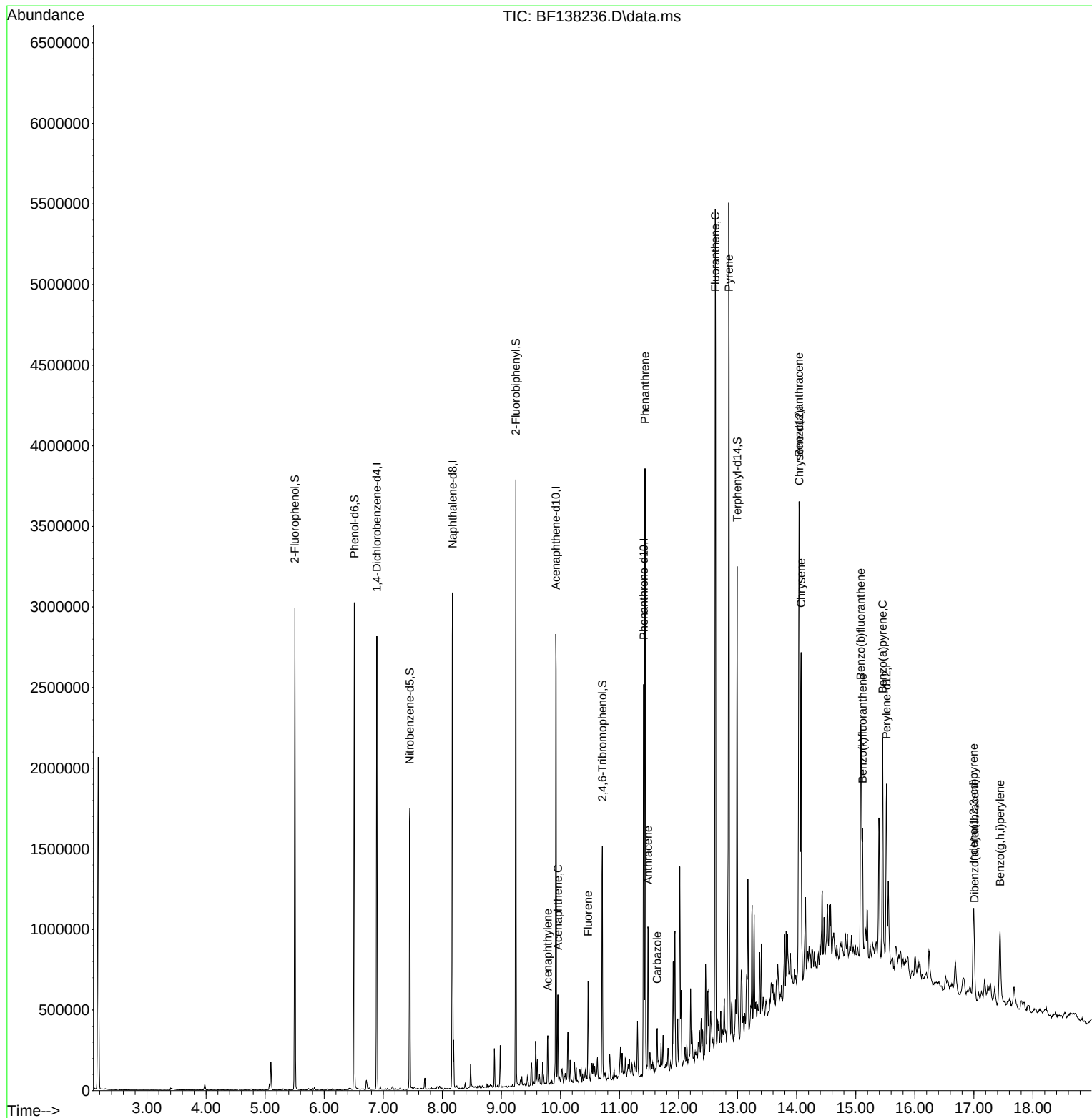
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061824\
Data File : BF138236.D
Acq On : 18 Jun 2024 20:59
Operator : CG\JU
Sample : P2880-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

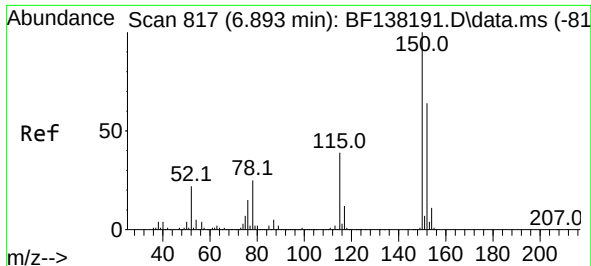
Instrument :
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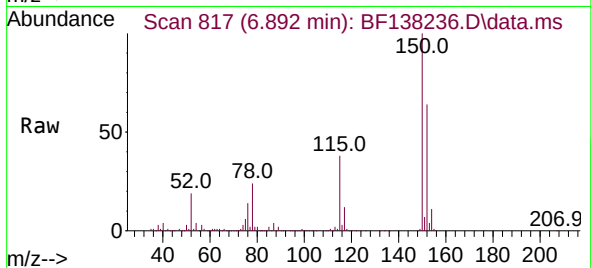
Quant Time: Jun 19 01:25:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 01:52:47 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 81
Delta R.T. -0.001 min
Lab File: BF138236.D
Acq: 18 Jun 2024 20:59

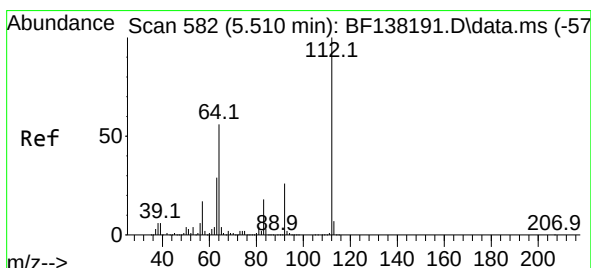
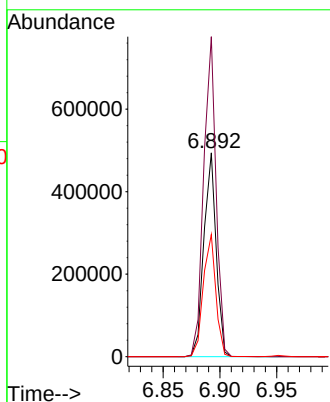
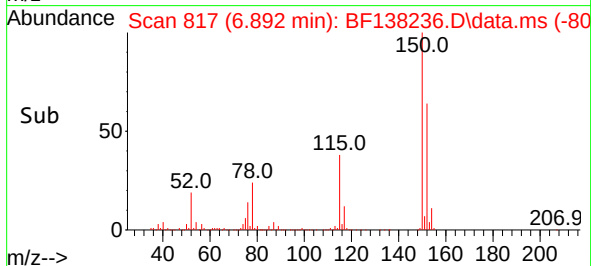
Instrument :
BNA_F
ClientSampleId :
OR-03-06132024



Tgt Ion:152 Resp: 37164
Ion Ratio Lower Upper
152 100
150 157.0 125.0 187.4
115 59.9 48.4 72.6

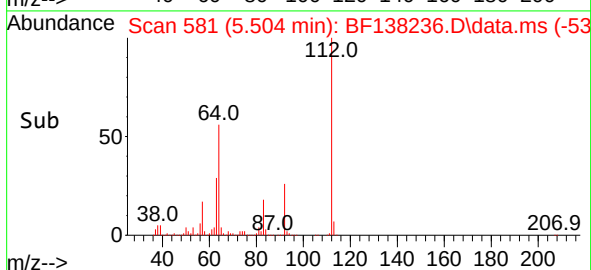
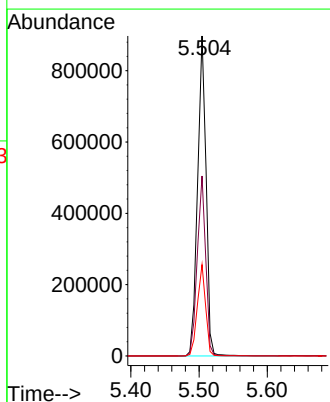
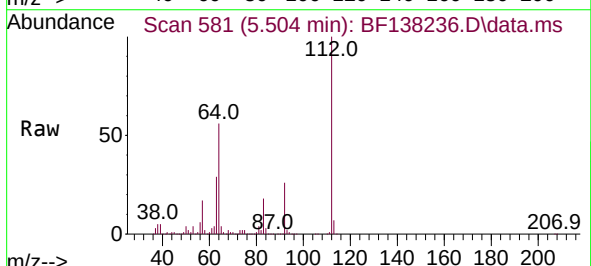
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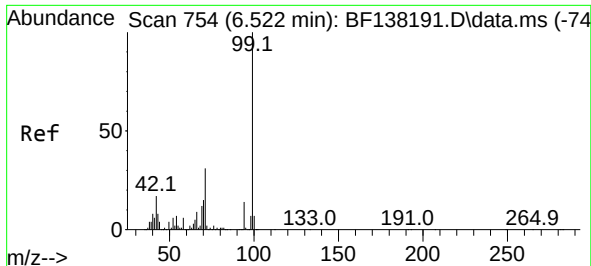
Reviewed By :Jagrut Upadhyay 06/19/2024
Supervised By :mohammad ahmed 06/21/2024



#5
2-Fluorophenol
Concen: 34.873 ng
RT: 5.504 min Scan# 581
Delta R.T. -0.006 min
Lab File: BF138236.D
Acq: 18 Jun 2024 20:59

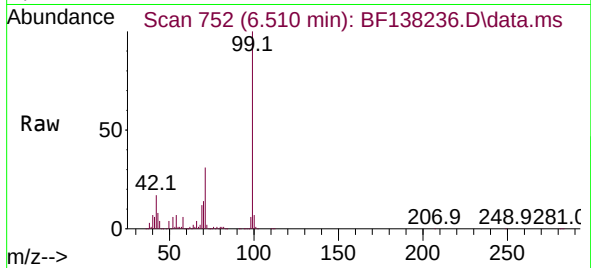
Tgt Ion:112 Resp: 774755
Ion Ratio Lower Upper
112 100
64 56.3 45.2 67.8
63 28.6 22.9 34.3





#7
Phenol-d6
Concen: 32.368 ng
RT: 6.510 min Scan# 752
Delta R.T. -0.012 min
Lab File: BF138236.D
Acq: 18 Jun 2024 20:59

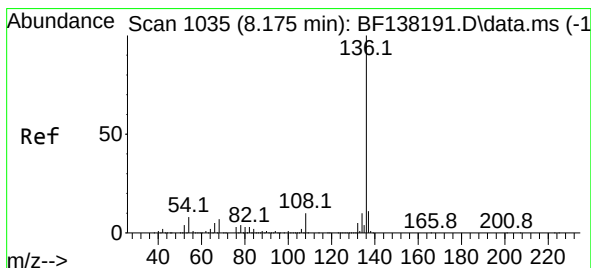
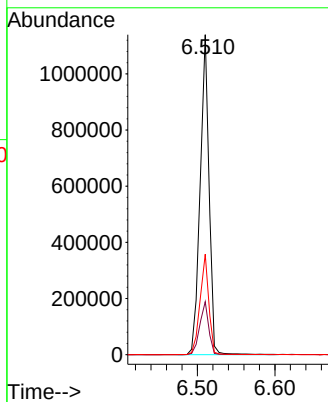
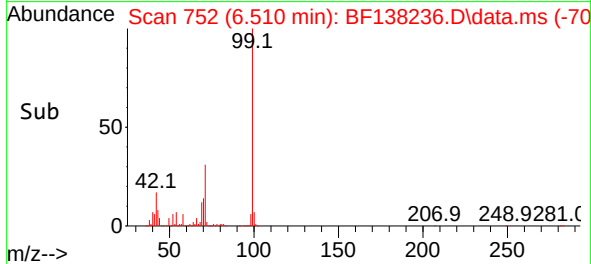
Instrument :
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ClientSampleId :
OR-03-06132024



Tgt Ion: 99 Resp: 911839
Ion Ratio Lower Upper
99 100
42 16.6 13.7 20.5
71 31.4 25.0 37.6

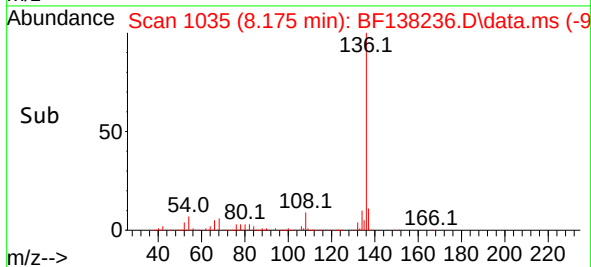
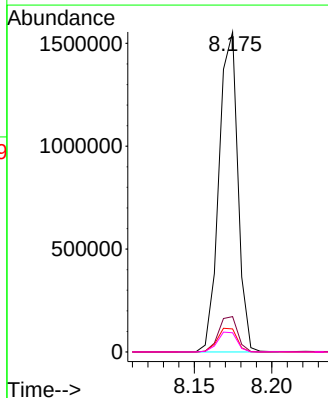
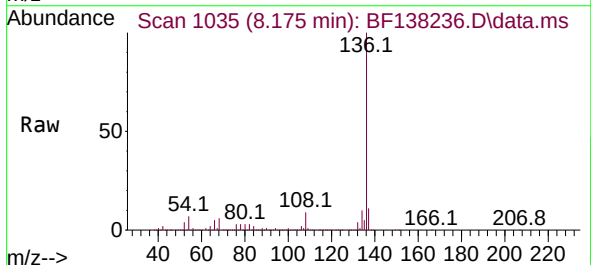
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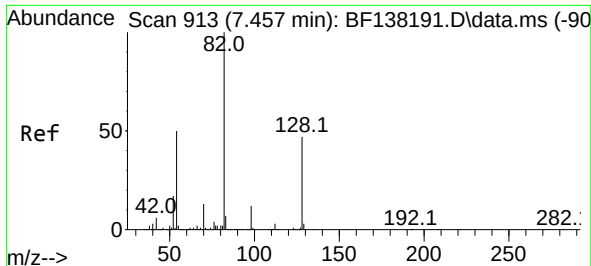
Reviewed By :Jagrut Upadhyay 06/19/2024
Supervised By :mohammad ahmed 06/21/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF138236.D
Acq: 18 Jun 2024 20:59

Tgt Ion:136 Resp: 1319905
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 7.2 6.6 10.0
68 6.0 5.4 8.2





#23

Nitrobenzene-d5

Concen: 23.388 ng

RT: 7.451 min Scan# 912

Delta R.T. -0.006 min

Lab File: BF138236.D

Acq: 18 Jun 2024 20:59

Instrument :

BNA_F

ClientSampleId :

OR-03-06132024

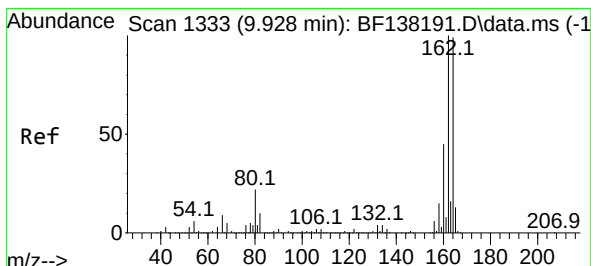
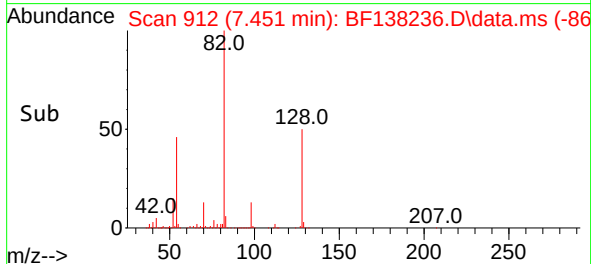
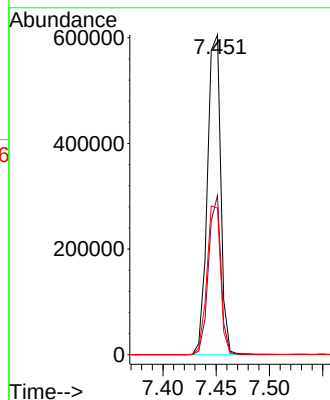
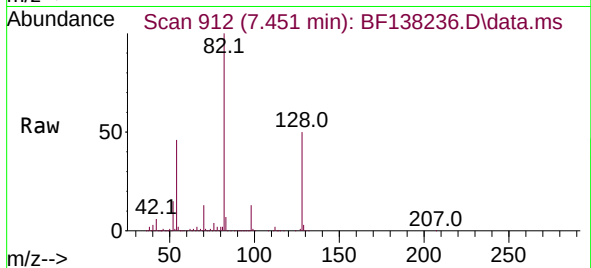
Tgt Ion: 82 Resp: 530270

Ion	Ratio	Lower	Upper
82	100		
128	49.8	37.2	55.8
54	45.8	39.8	59.6

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1332

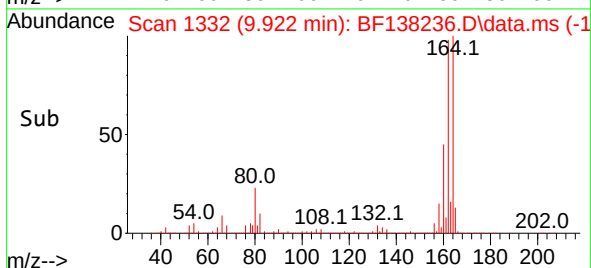
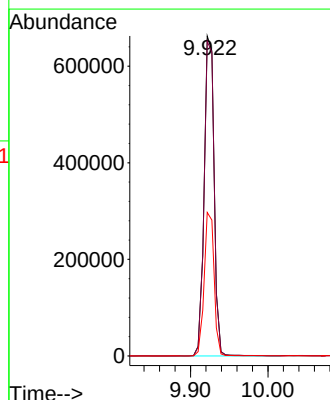
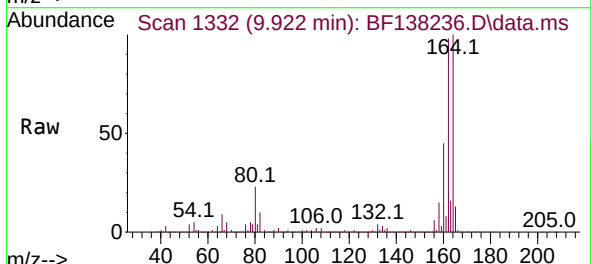
Delta R.T. -0.006 min

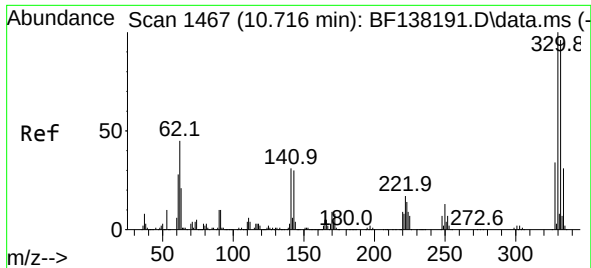
Lab File: BF138236.D

Acq: 18 Jun 2024 20:59

Tgt Ion:164 Resp: 590531

Ion	Ratio	Lower	Upper
164	100		
162	98.3	80.6	121.0
160	44.9	36.3	54.5





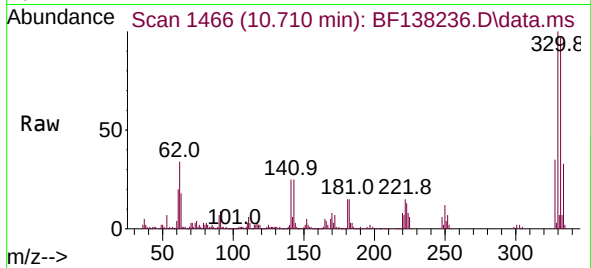
#42
2,4,6-Tribromophenol
Concen: 27.847 ng
RT: 10.710 min Scan# 1467
Delta R.T. -0.006 min
Lab File: BF138236.D
Acq: 18 Jun 2024 20:59

Instrument :

BNA_F

ClientSampleId :

OR-03-06132024

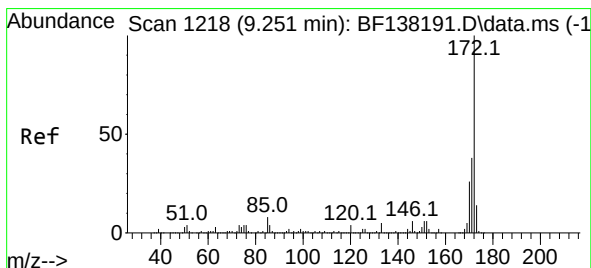
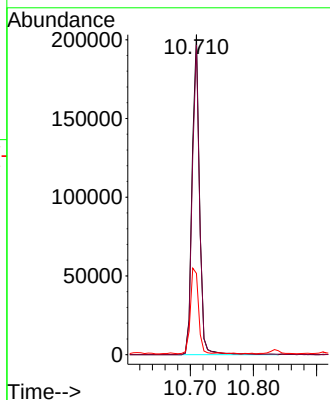
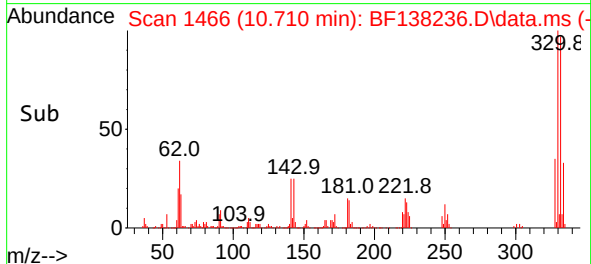


Tgt Ion:330 Resp: 163708
Ion Ratio Lower Upper
330 100
332 95.7 76.6 115.0
141 29.4 23.9 35.9

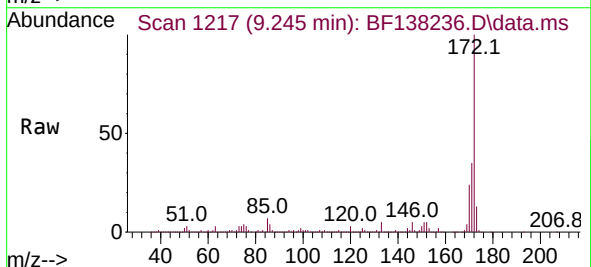
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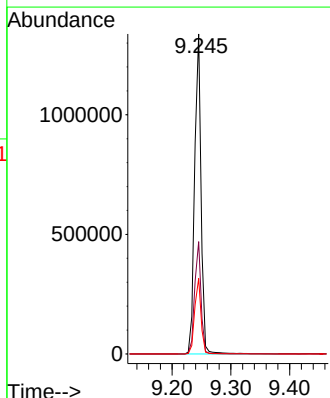
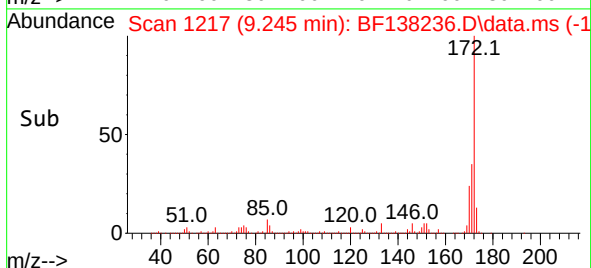
Reviewed By :Jagrut Upadhyay 06/19/2024
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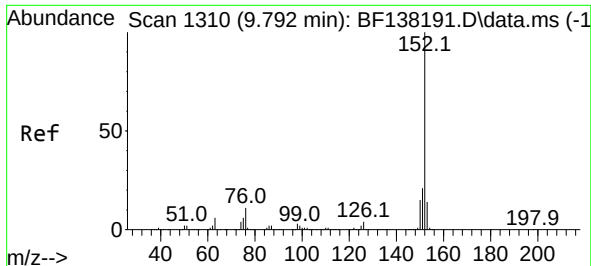


#45
2-Fluorobiphenyl
Concen: 27.558 ng
RT: 9.245 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF138236.D
Acq: 18 Jun 2024 20:59



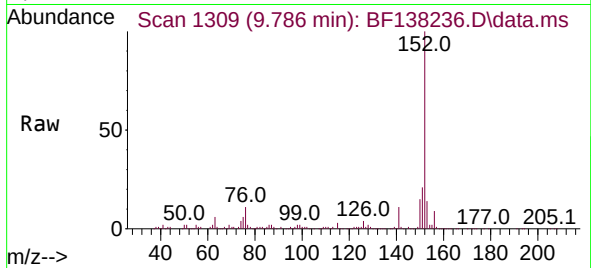
Tgt Ion:172 Resp: 1023404
Ion Ratio Lower Upper
172 100
171 35.1 30.3 45.5
170 23.6 20.6 30.8





#49
Acenaphthylene
Concen: 2.122 ng
RT: 9.786 min Scan# 1309
Delta R.T. -0.006 min
Lab File: BF138236.D
Acq: 18 Jun 2024 20:59

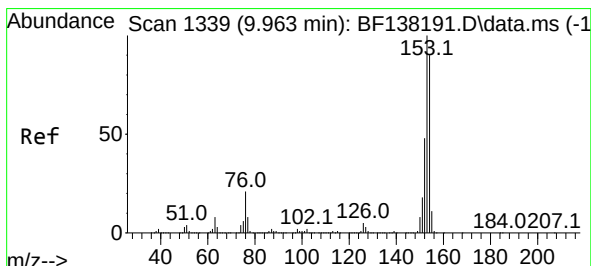
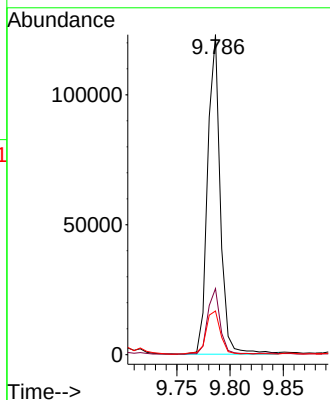
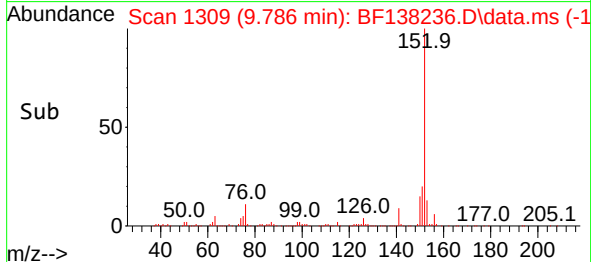
Instrument :
BNA_F
ClientSampleId :
OR-03-06132024



Tgt Ion:152 Resp: 101900
Ion Ratio Lower Upper
152 100
151 20.6 16.9 25.3
153 13.6 11.4 17.0

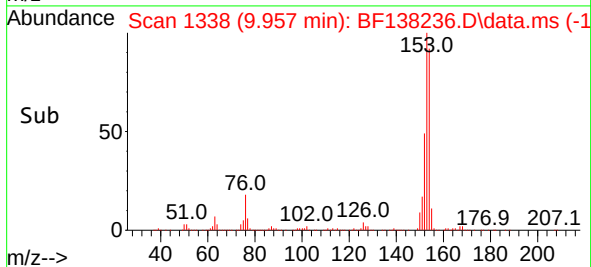
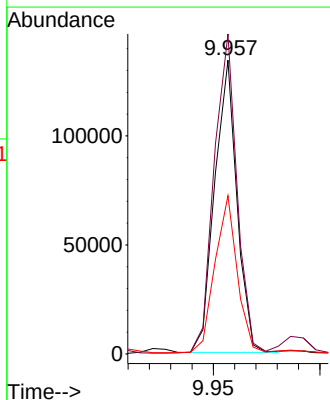
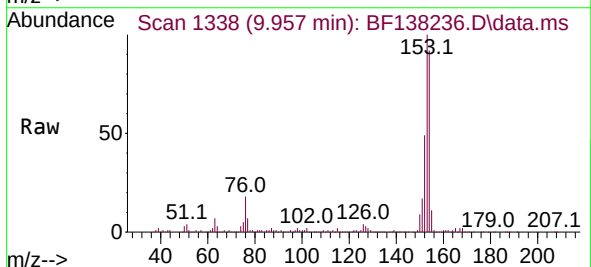
Manual Integrations
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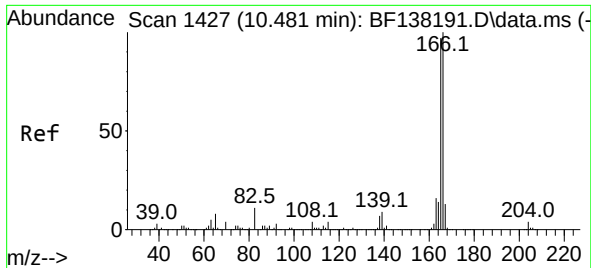
Reviewed By :Jagrut Upadhyay 06/19/2024
Supervised By :mohammad ahmed 06/21/2024



#52
Acenaphthene
Concen: 2.973 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF138236.D
Acq: 18 Jun 2024 20:59

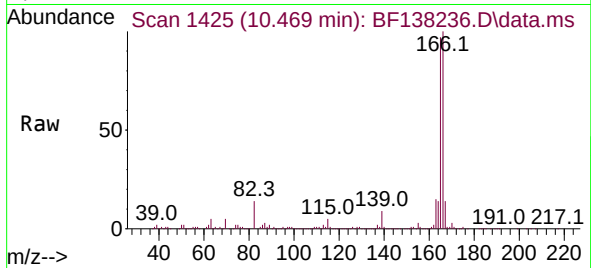
Tgt Ion:154 Resp: 97365
Ion Ratio Lower Upper
154 100
153 108.9 89.1 133.7
152 53.9 42.4 63.6





#58
Fluorene
Concen: 4.328 ng
RT: 10.469 min Scan# 1427
Delta R.T. -0.012 min
Lab File: BF138236.D
Acq: 18 Jun 2024 20:59

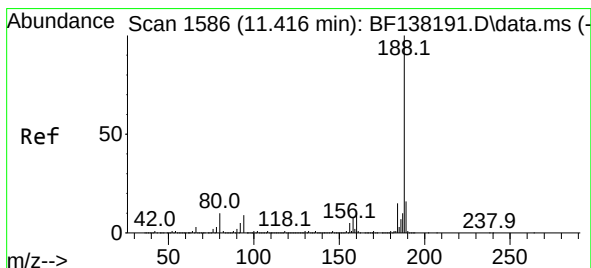
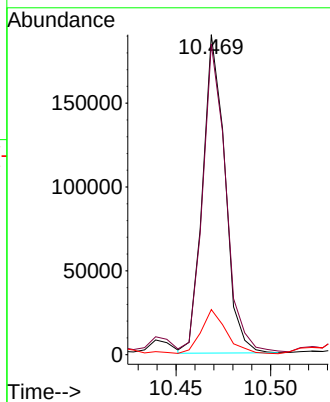
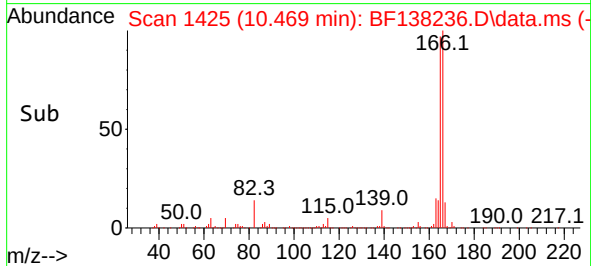
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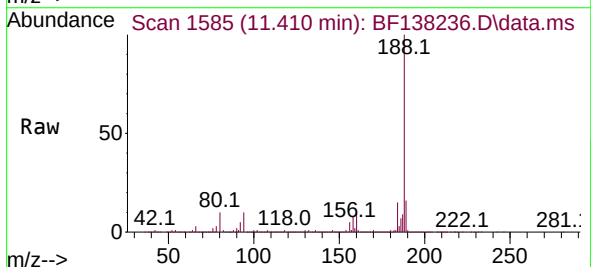
Tgt Ion:166 Resp: 155785
Ion Ratio Lower Upper
166 100
165 97.1 77.9 116.9
167 14.1 10.7 16.1

Manual Integrations
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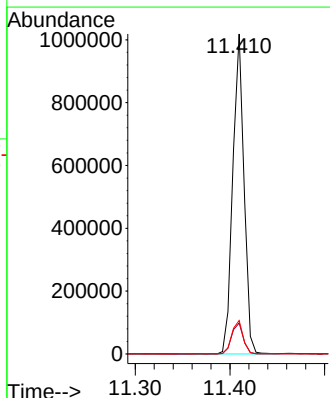
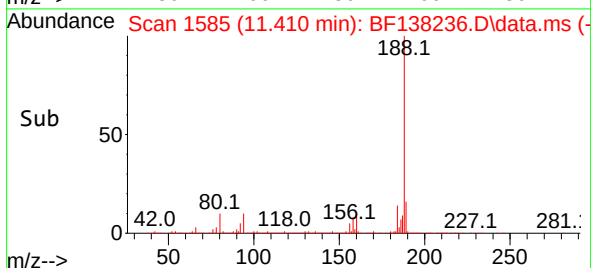
Reviewed By :Jagrut Upadhyay 06/19/2024
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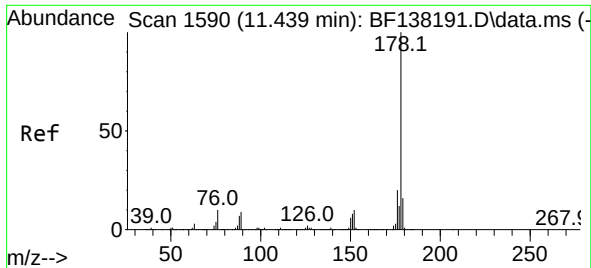


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF138236.D
Acq: 18 Jun 2024 20:59



Tgt Ion:188 Resp: 833785
Ion Ratio Lower Upper
188 100
94 9.7 7.6 11.4
80 10.5 8.1 12.1





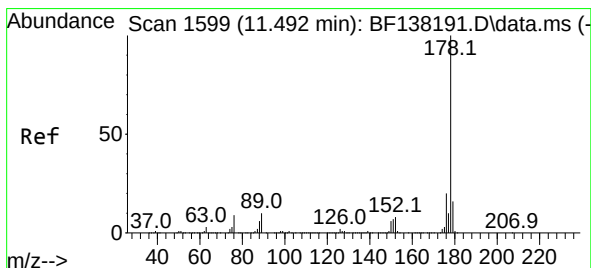
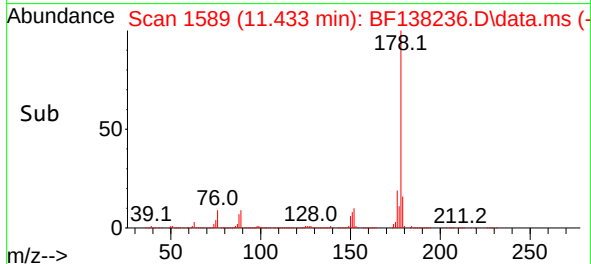
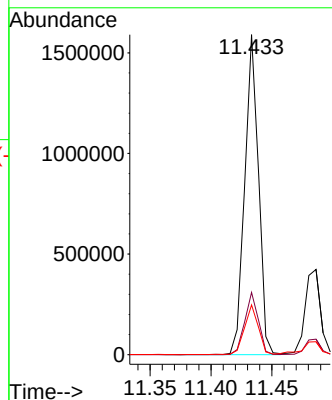
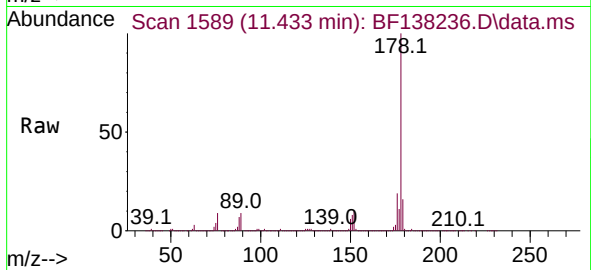
#71
Phenanthrene
Concen: 30.184 ng
RT: 11.433 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138236.D
Acq: 18 Jun 2024 20:59

Instrument :
BNA_F
ClientSampleId :
OR-03-06132024

Tgt Ion:178 Resp: 124458
Ion Ratio Lower Upper
178 100
176 19.5 16.4 24.6
179 15.6 13.1 19.7

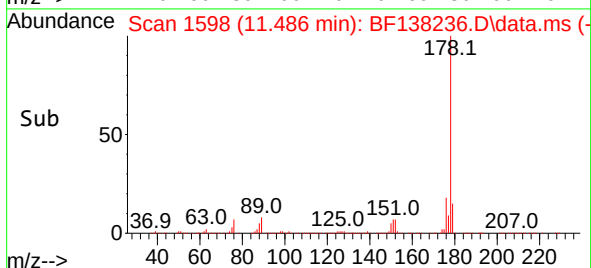
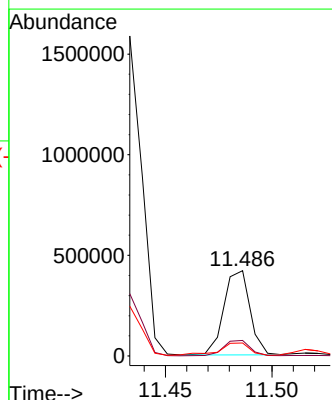
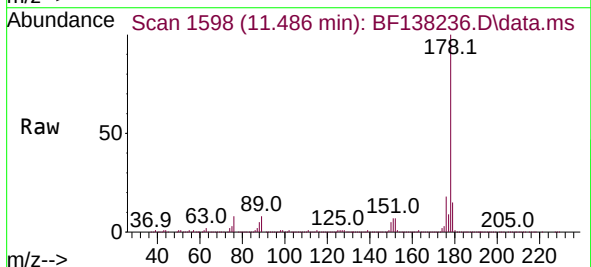
Manual Integrations
APPROVED

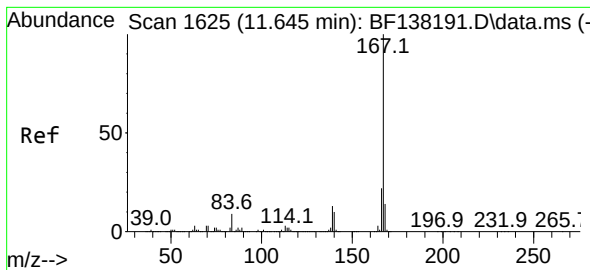
Reviewed By :Jagrut Upadhyay 06/19/2024
Supervised By :mohammad ahmed 06/21/2024



#72
Anthracene
Concen: 8.759 ng
RT: 11.486 min Scan# 1598
Delta R.T. -0.006 min
Lab File: BF138236.D
Acq: 18 Jun 2024 20:59

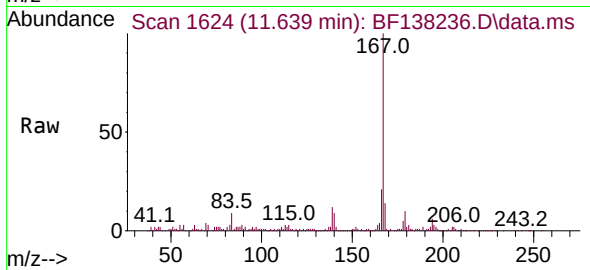
Tgt Ion:178 Resp: 358597
Ion Ratio Lower Upper
178 100
176 18.2 15.7 23.5
179 15.2 13.0 19.6





#73
 Carbazole
 Concen: 2.690 ng
 RT: 11.639 min Scan# 1624
 Delta R.T. -0.006 min
 Lab File: BF138236.D
 Acq: 18 Jun 2024 20:59

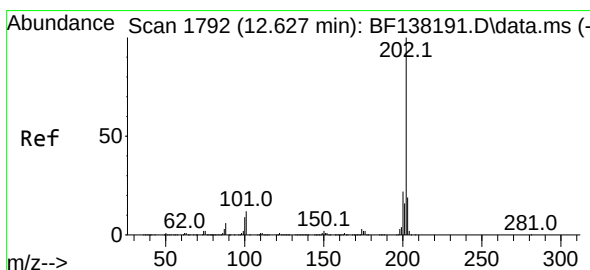
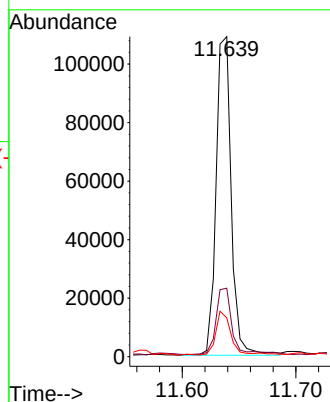
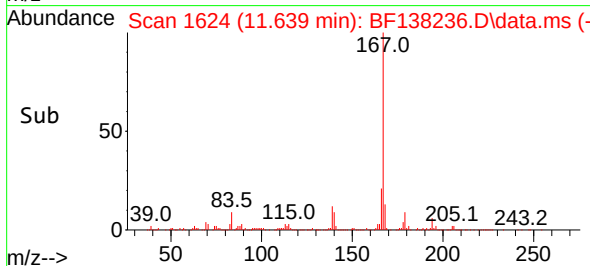
Instrument :
 BNA_F
 ClientSampleId :
 OR-03-06132024



Tgt Ion:167 Resp: 101000
 Ion Ratio Lower Upper
 167 100
 166 21.4 18.0 27.0
 139 12.2 10.6 16.0

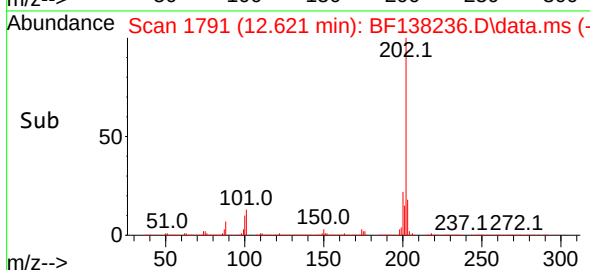
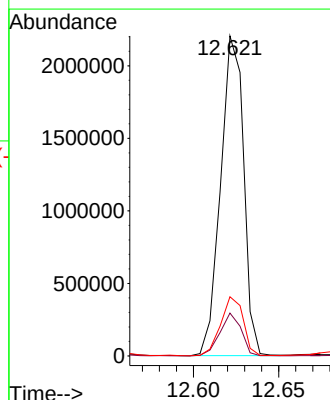
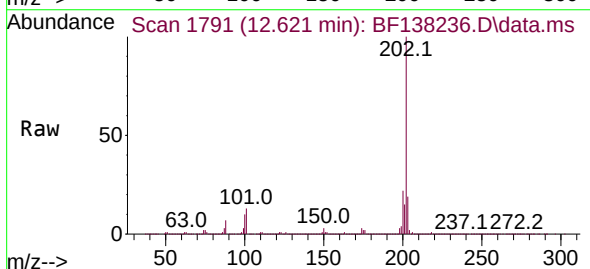
Manual Integrations
 APPROVED

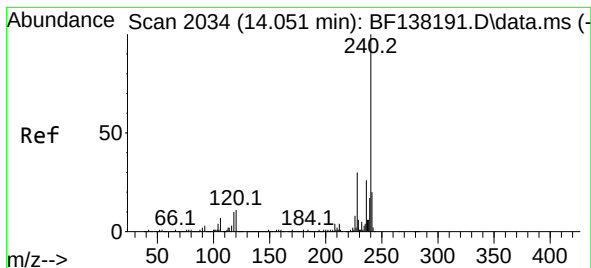
Reviewed By :Jagrut Upadhyay 06/19/2024
 Supervised By :mohammad ahmed 06/21/2024



#75
 Fluoranthene
 Concen: 49.184 ng
 RT: 12.621 min Scan# 1791
 Delta R.T. -0.006 min
 Lab File: BF138236.D
 Acq: 18 Jun 2024 20:59

Tgt Ion:202 Resp: 2068014
 Ion Ratio Lower Upper
 202 100
 101 13.4 0.0 31.8
 203 18.5 0.0 38.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF138236.D

Acq: 18 Jun 2024 20:59

Instrument :

BNA_F

ClientSampleId :

OR-03-06132024

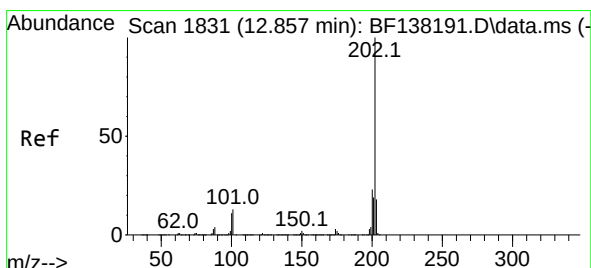
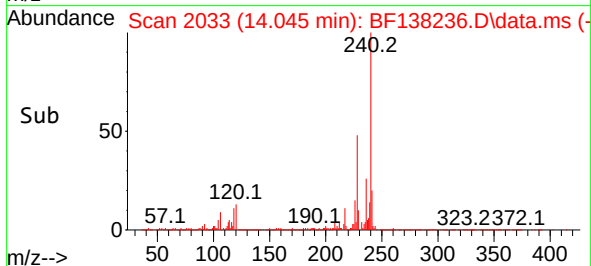
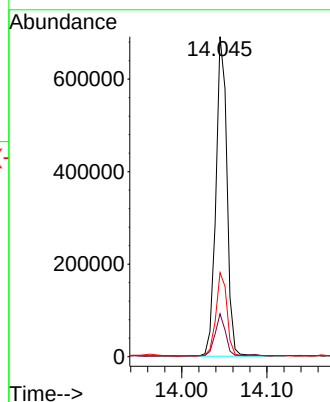
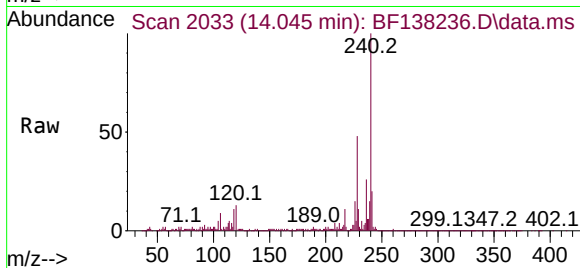
Tgt Ion:240 Resp: 626624

Ion	Ratio	Lower	Upper
240	100		
120	13.4	9.2	13.8
236	26.3	21.0	31.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/19/2024
Supervised By :mohammad ahmed 06/21/2024



#78

Pyrene

Concen: 39.645 ng

RT: 12.851 min Scan# 1830

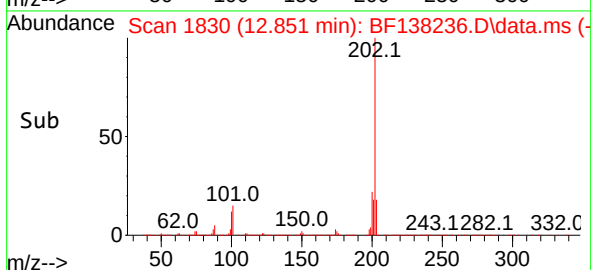
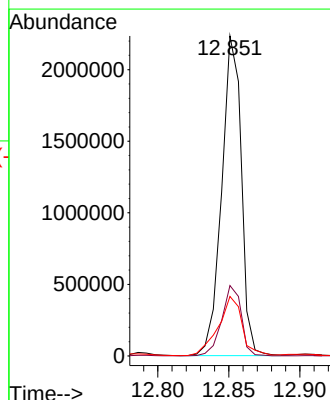
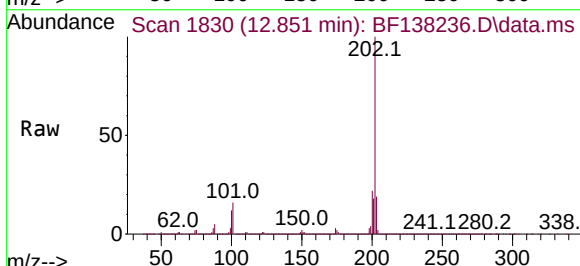
Delta R.T. -0.006 min

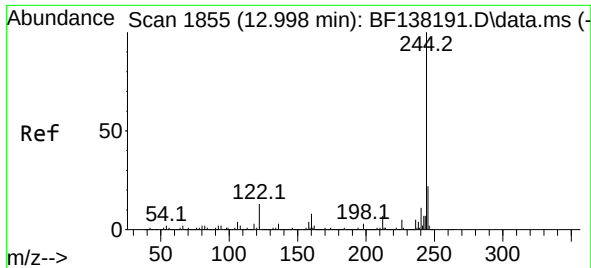
Lab File: BF138236.D

Acq: 18 Jun 2024 20:59

Tgt Ion:202 Resp: 2142810

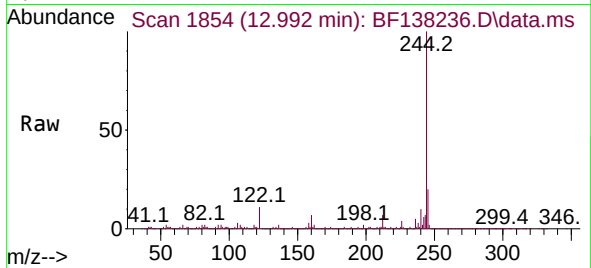
Ion	Ratio	Lower	Upper
202	100		
200	22.0	18.0	27.0
203	18.6	14.7	22.1





#79
Terphenyl-d14
Concen: 23.249 ng
RT: 12.992 min Scan# 1854
Delta R.T. -0.006 min
Lab File: BF138236.D
Acq: 18 Jun 2024 20:59

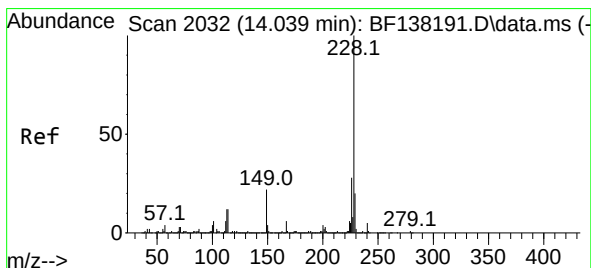
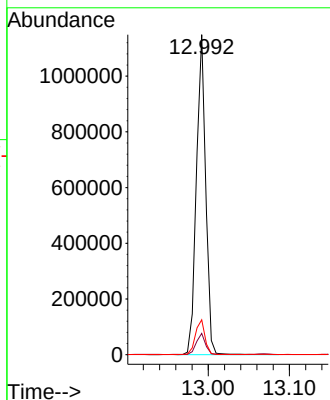
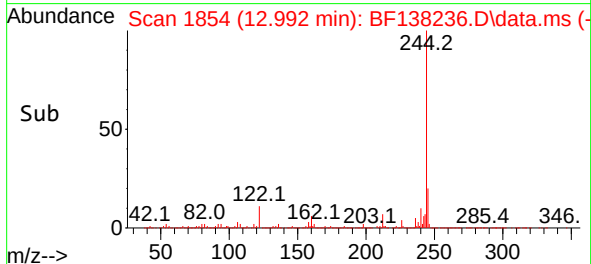
Instrument :
BNA_F
ClientSampleId :
OR-03-06132024



Tgt Ion:244 Resp: 919827
Ion Ratio Lower Upper
244 100
212 6.7 5.9 8.9
122 10.9 10.6 15.8

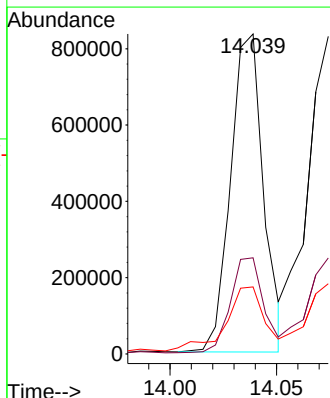
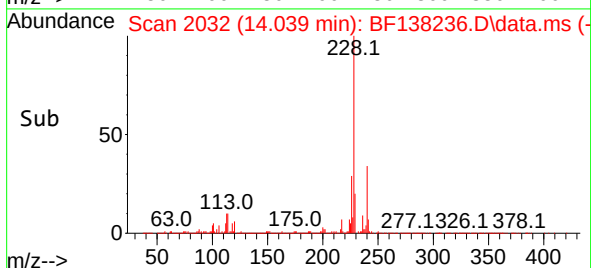
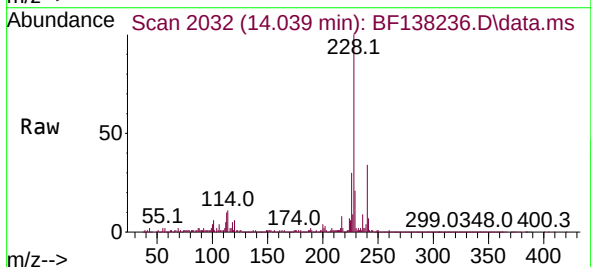
Manual Integrations
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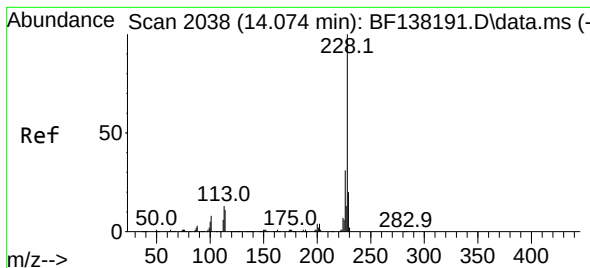
Reviewed By :Jagrut Upadhyay 06/19/2024
Supervised By :mohammad ahmed 06/21/2024



#81
Benzo(a)anthracene
Concen: 22.256 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF138236.D
Acq: 18 Jun 2024 20:59

Tgt Ion:228 Resp: 894710
Ion Ratio Lower Upper
228 100
226 30.1 22.5 33.7
229 20.9 16.3 24.5





#83

Chrysene

Concen: 21.172 ng

RT: 14.074 min Scan# 2038

Delta R.T. -0.000 min

Lab File: BF138236.D

Acq: 18 Jun 2024 20:59

Instrument :

BNA_F

ClientSampleId :

OR-03-06132024

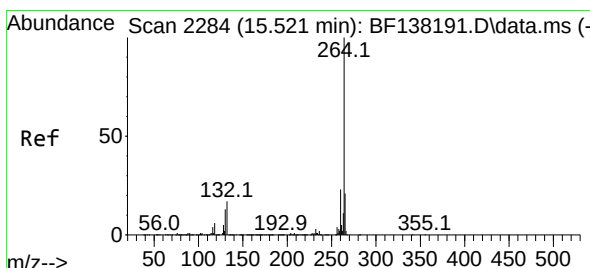
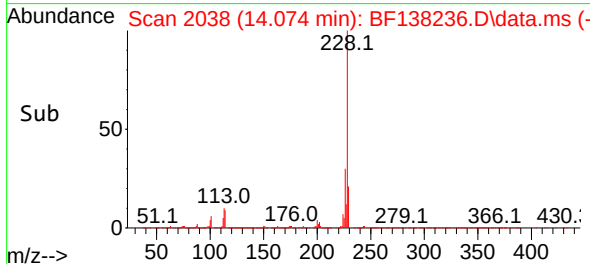
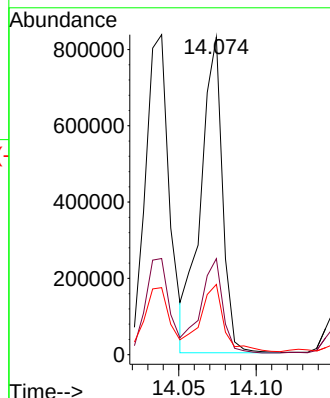
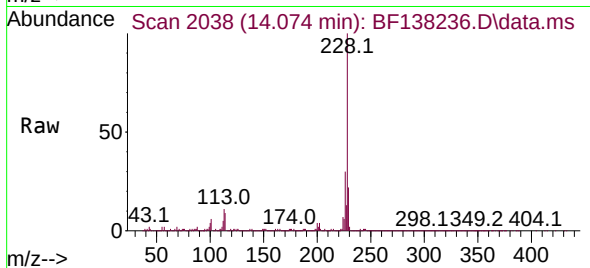
Tgt Ion:228 Resp: 81127

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.5	36.7
229	22.1	16.3	24.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/19/2024
Supervised By :mohammad ahmed 06/21/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 2284

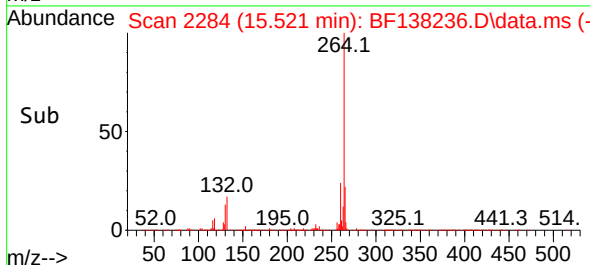
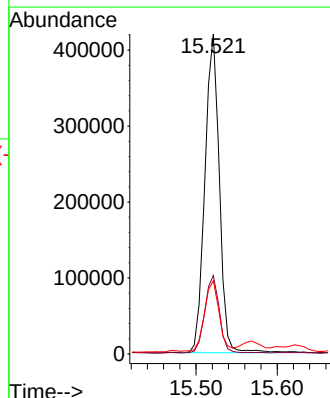
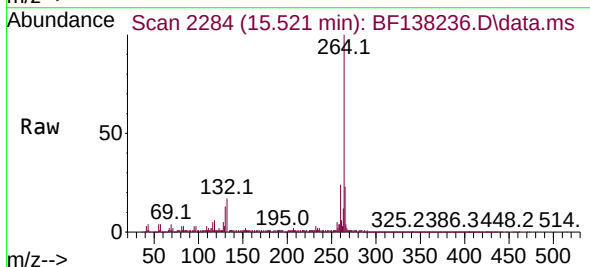
Delta R.T. -0.000 min

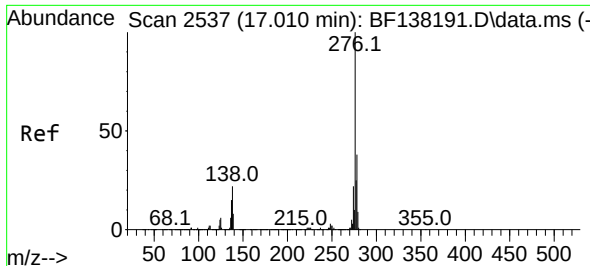
Lab File: BF138236.D

Acq: 18 Jun 2024 20:59

Tgt Ion:264 Resp: 517849

Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.7	28.1
265	22.9	17.0	25.6





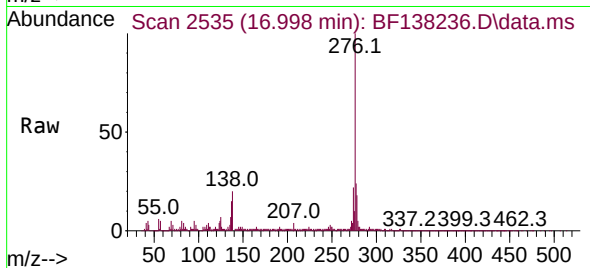
#87
Indeno(1,2,3-cd)pyrene
Concen: 11.838 ng
RT: 16.998 min Scan# 2110
Delta R.T. -0.012 min
Lab File: BF138236.D
Acq: 18 Jun 2024 20:59

Instrument :

BNA_F

ClientSampleId :

OR-03-06132024

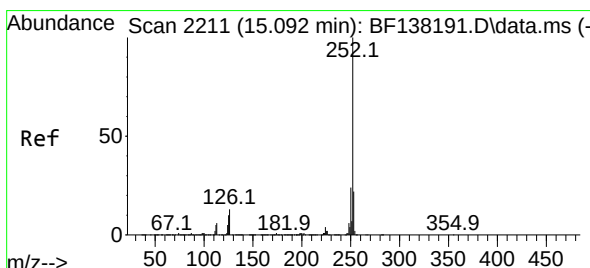
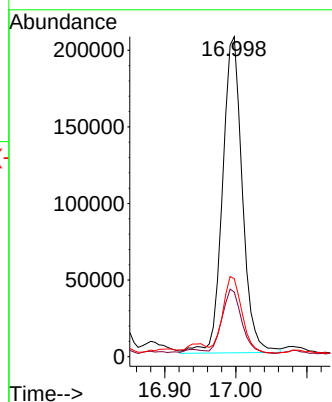
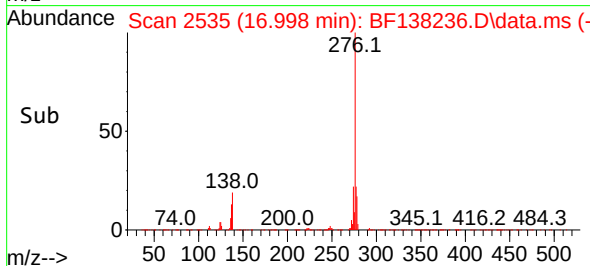


Tgt Ion:276 Resp: 399624
Ion Ratio Lower Upper
276 100
138 20.4 19.3 28.9
277 23.5 20.2 30.2

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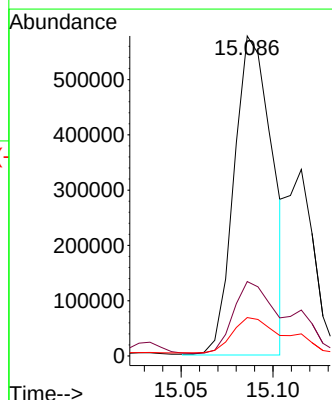
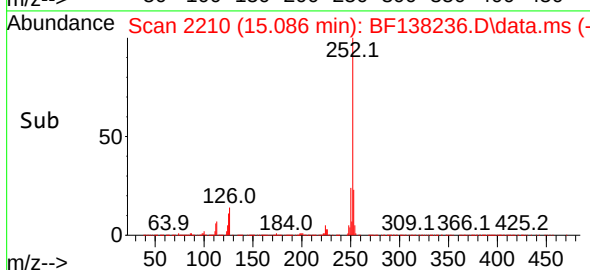
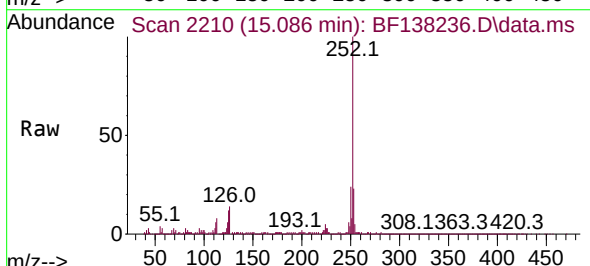
APPROVED

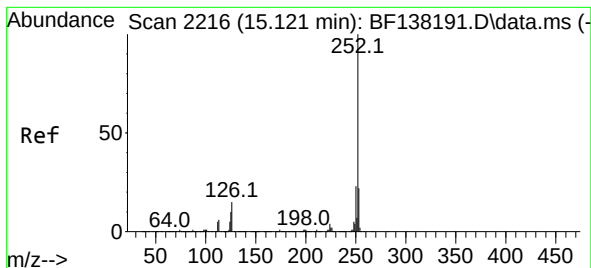
Reviewed By :Jagrut Upadhyay 06/19/2024
Supervised By :mohammad ahmed 06/21/2024



#88
Benzo(b)fluoranthene
Concen: 27.342 ng m
RT: 15.086 min Scan# 2210
Delta R.T. -0.006 min
Lab File: BF138236.D
Acq: 18 Jun 2024 20:59

Tgt Ion:252 Resp: 834973
Ion Ratio Lower Upper
252 100
253 23.3 17.7 26.5
125 12.0 7.8 11.8#





#89

Benzo(k)fluoranthene

Concen: 11.107 ng m

RT: 15.115 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF138236.D

Acq: 18 Jun 2024 20:59

Instrument :

BNA_F

ClientSampleId :

OR-03-06132024

Tgt Ion:252 Resp: 33240

Ion Ratio Lower Upper

252 100

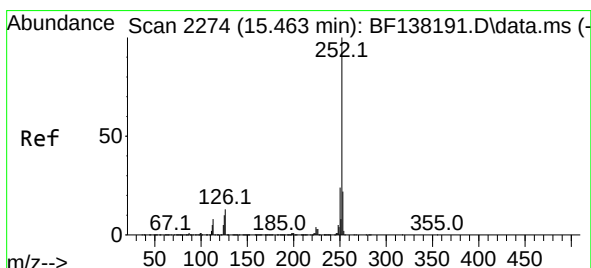
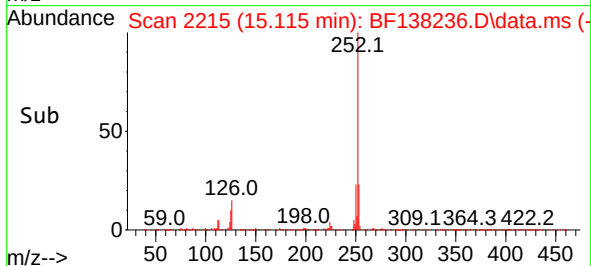
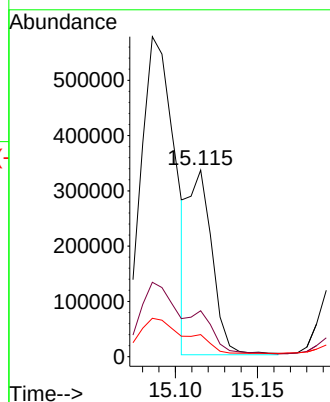
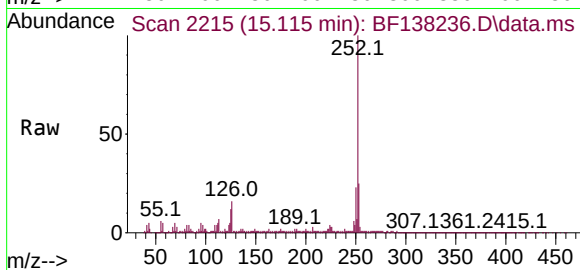
253 24.6 17.8 26.8

125 11.8 8.0 12.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/19/2024
Supervised By :mohammad ahmed 06/21/2024



#90

Benzo(a)pyrene

Concen: 24.364 ng

RT: 15.457 min Scan# 2273

Delta R.T. -0.006 min

Lab File: BF138236.D

Acq: 18 Jun 2024 20:59

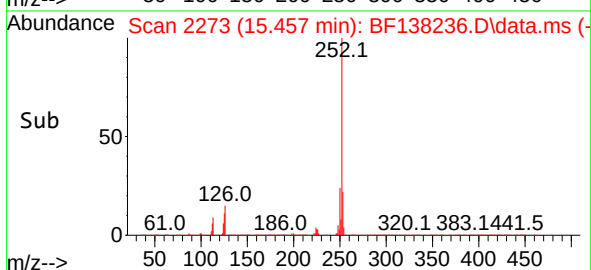
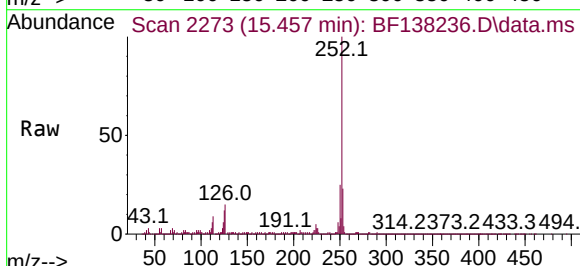
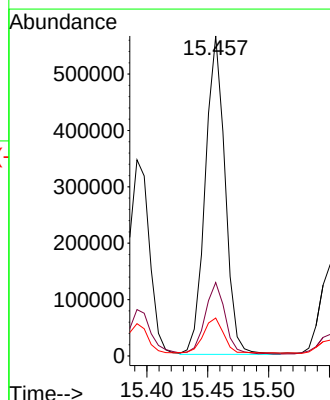
Tgt Ion:252 Resp: 639188

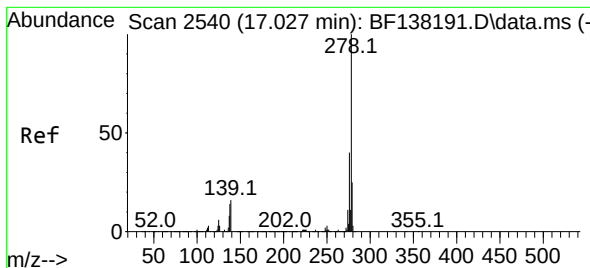
Ion Ratio Lower Upper

252 100

253 22.9 17.7 26.5

125 11.8 8.2 12.2





#91

Dibenzo(a,h)anthracene

Concen: 3.388 ng

RT: 17.009 min Scan# 2611

Delta R.T. -0.018 min

Lab File: BF138236.D

Acq: 18 Jun 2024 20:59

Instrument :

BNF_F

ClientSampleId :

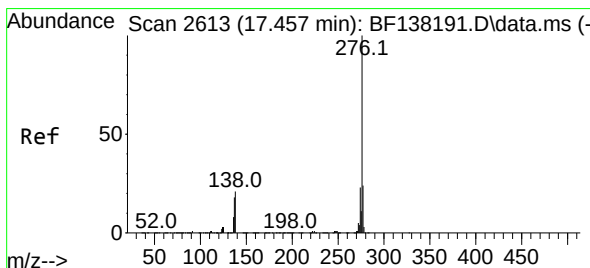
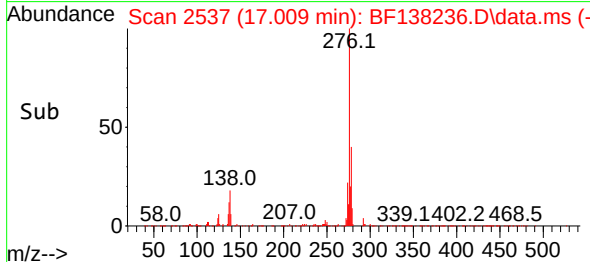
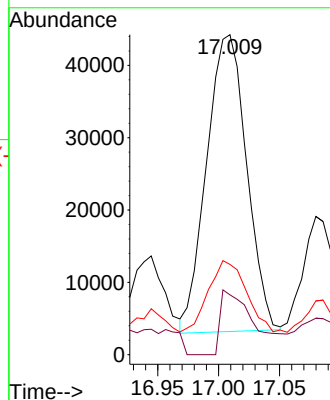
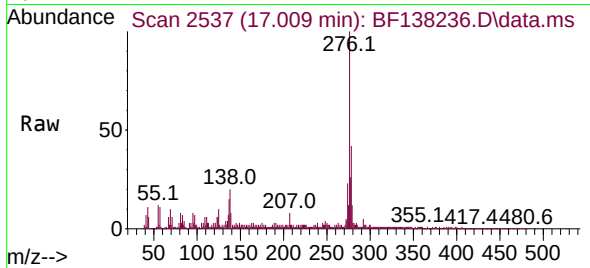
OR-03-06132024

Tgt Ion:	278	Resp:	93872
Ion Ratio	Lower	Upper	
278	100		
139	18.7	12.9	19.3
279	28.2	19.9	29.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/19/2024
Supervised By :mohammad ahmed 06/21/2024



#92

Benzo(g,h,i)perylene

Concen: 13.885 ng

RT: 17.445 min Scan# 2611

Delta R.T. -0.012 min

Lab File: BF138236.D

Acq: 18 Jun 2024 20:59

Tgt Ion:	276	Resp:	398020
Ion Ratio	Lower	Upper	
276	100		
277	23.7	19.5	29.3
138	19.5	16.6	24.8

