

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
 Data File : BF138318.D
 Acq On : 24 Jun 2024 19:12
 Operator : CG\JU
 Sample : P2995-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-02-06202024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/25/2024
 Supervised By :mohammad ahmed 06/26/2024

Quant Time: Jun 25 01:17:08 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	6.887	152	216702	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	742229	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	323949	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	523127	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	418776	20.000	ng	0.00
86) Perylene-d12	15.521	264	323930	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1107923	85.526	ng	0.00
7) Phenol-d6	6.516	99	1330950	81.025	ng	0.00
23) Nitrobenzene-d5	7.446	82	794526	62.318	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	284551	88.233	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1454051	71.374	ng	-0.01
79) Terphenyl-d14	12.992	244	1618644	61.218	ng	0.00
Target Compounds						
71) Phenanthrene	11.428	178	91778	3.548	ng	98
75) Fluoranthene	12.616	202	231293	8.768	ng	98
78) Pyrene	12.845	202	236948	6.560	ng	98
81) Benzo(a)anthracene	14.033	228	93038	3.463	ng	98
83) Chrysene	14.069	228	99561m	3.888	ng	
88) Benzo(b)fluoranthene	15.086	252	99545m	5.211	ng	
90) Benzo(a)pyrene	15.451	252	62479	3.807	ng	# 85
92) Benzo(g,h,i)perylene	17.445	276	44756	2.496	ng	93

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

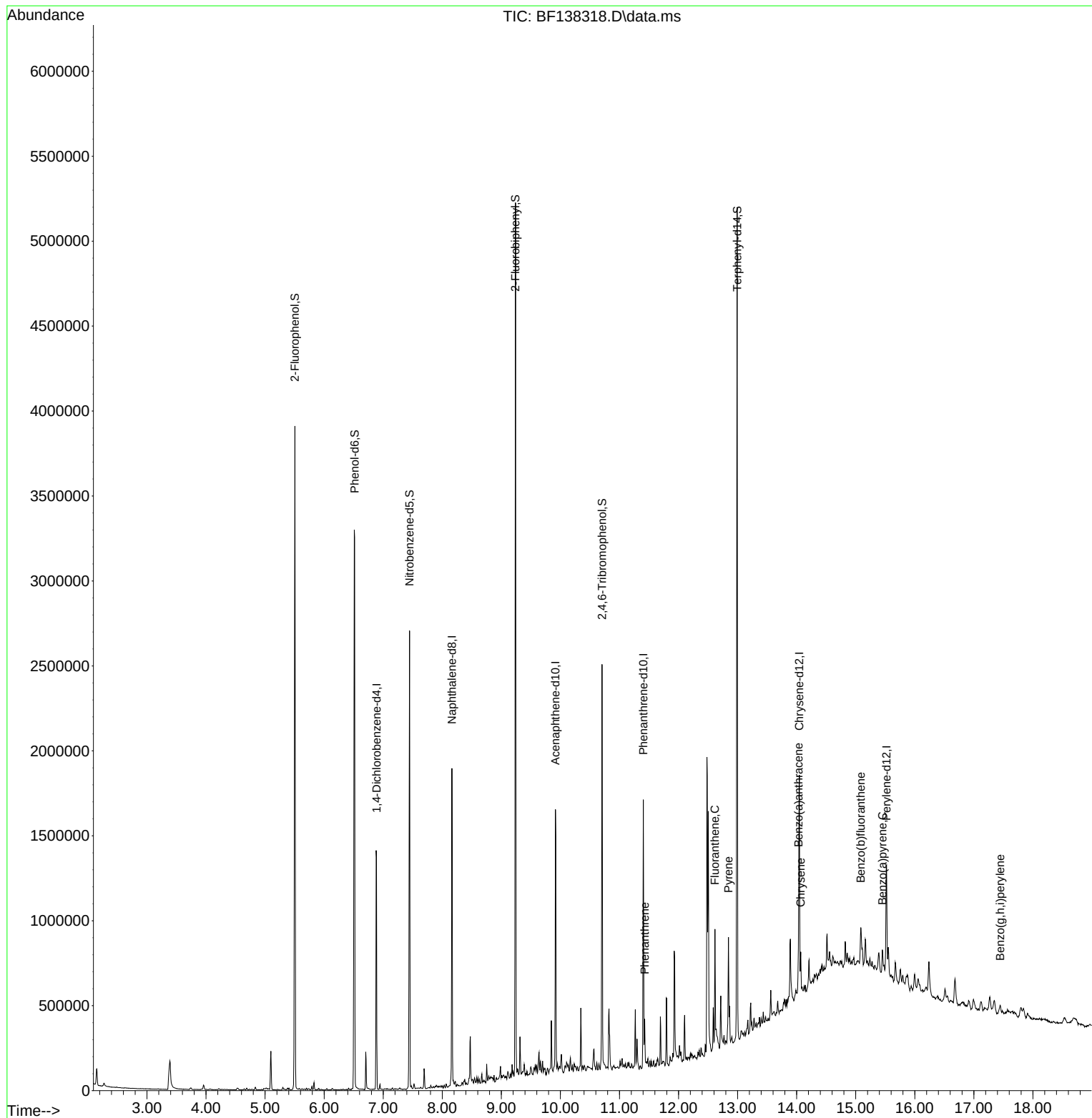
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
Data File : BF138318.D
Acq On : 24 Jun 2024 19:12
Operator : CG\JU
Sample : P2995-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

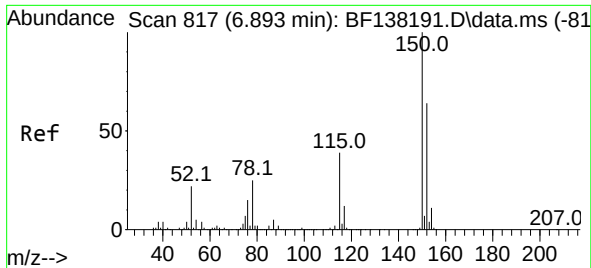
Instrument :
BNA_F
ClientSampleId :
HR-02-06202024

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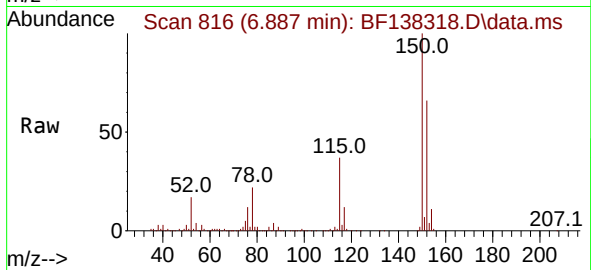
Quant Time: Jun 25 01:17:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 01:52:47 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 817
Delta R.T. -0.006 min
Lab File: BF138318.D
Acq: 24 Jun 2024 19:12

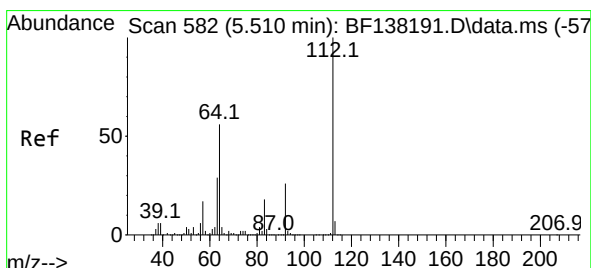
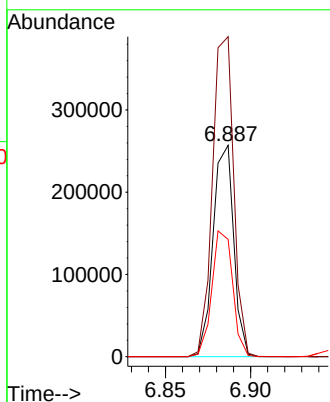
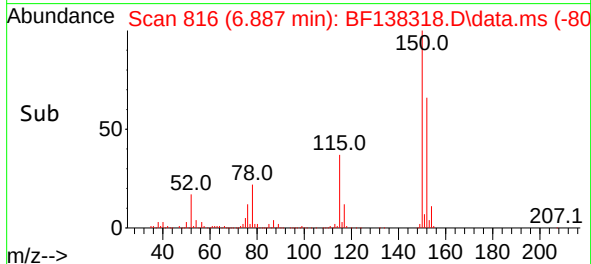
Instrument :
BNA_F
ClientSampleId :
HR-02-062024



Tgt Ion:152 Resp: 216702
Ion Ratio Lower Upper
152 100
150 151.4 125.0 187.4
115 55.5 48.4 72.6

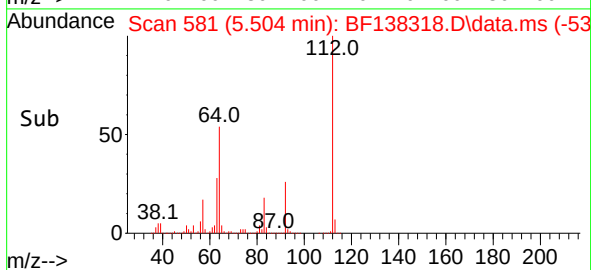
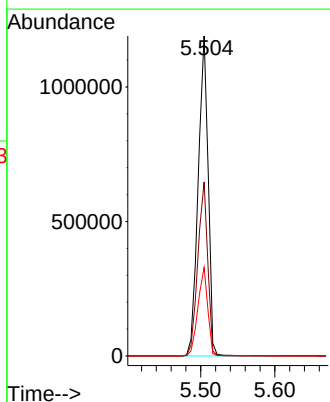
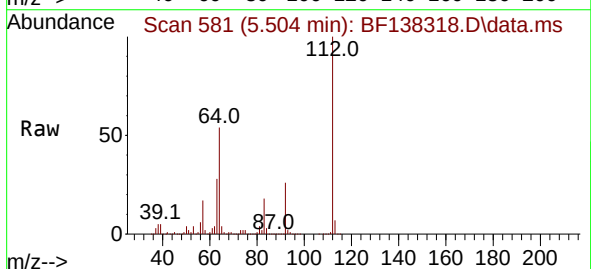
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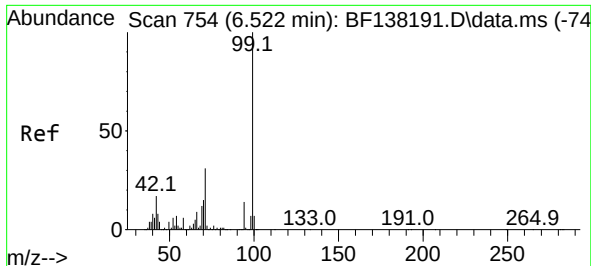
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024



#5
2-Fluorophenol
Concen: 85.526 ng
RT: 5.504 min Scan# 581
Delta R.T. -0.006 min
Lab File: BF138318.D
Acq: 24 Jun 2024 19:12

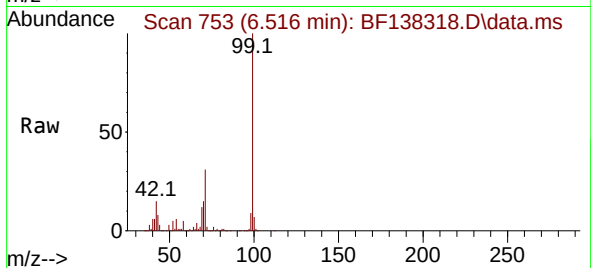
Tgt Ion:112 Resp: 1107923
Ion Ratio Lower Upper
112 100
64 54.4 45.2 67.8
63 27.7 22.9 34.3





#7
Phenol-d6
Concen: 81.025 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138318.D
Acq: 24 Jun 2024 19:12

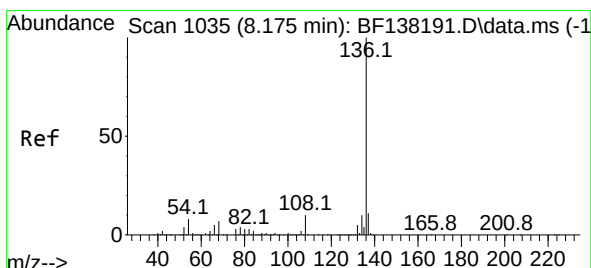
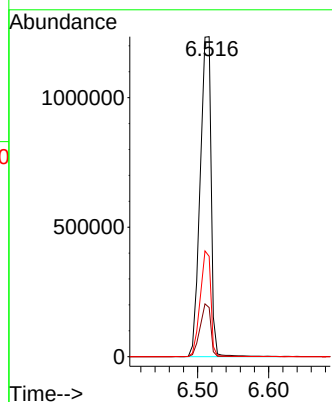
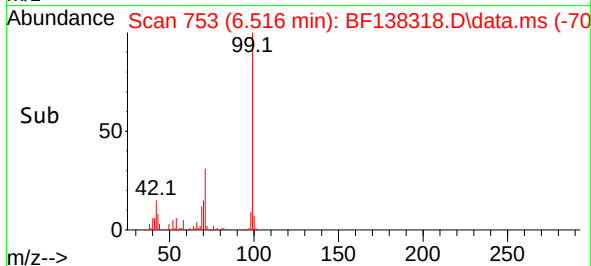
Instrument :
BNA_F
ClientSampleId :
HR-02-06202024



Tgt Ion: 99 Resp: 1330950
Ion Ratio Lower Upper
99 100
42 15.3 13.7 20.5
71 31.4 25.0 37.6

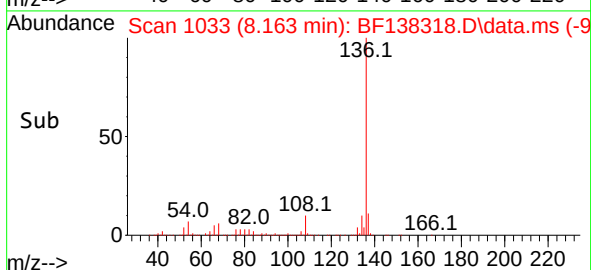
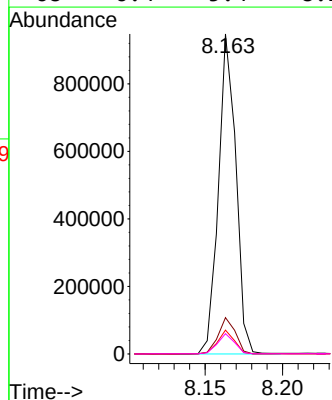
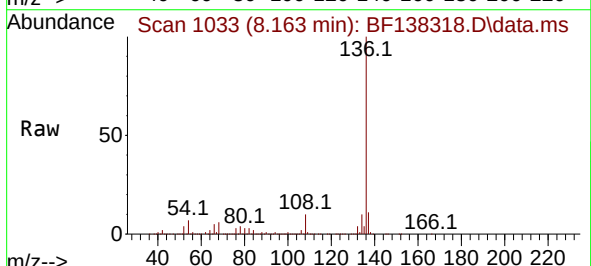
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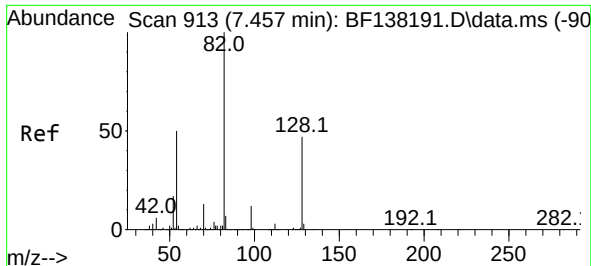
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1033
Delta R.T. -0.012 min
Lab File: BF138318.D
Acq: 24 Jun 2024 19:12

Tgt Ion:136 Resp: 742229
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 7.4 6.6 10.0
68 6.4 5.4 8.2





#23

Nitrobenzene-d5

Concen: 62.318 ng

RT: 7.446 min Scan# 911

Delta R.T. -0.012 min

Lab File: BF138318.D

Acq: 24 Jun 2024 19:12

Instrument :

BNA_F

ClientSampleId :

HR-02-06202024

Tgt Ion: 82 Resp: 794520

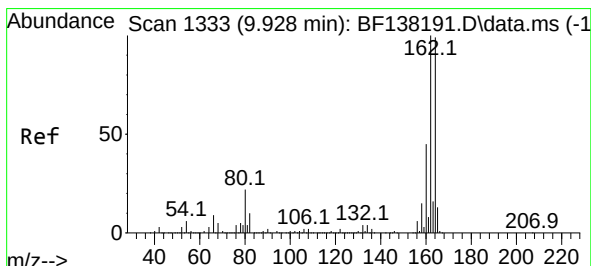
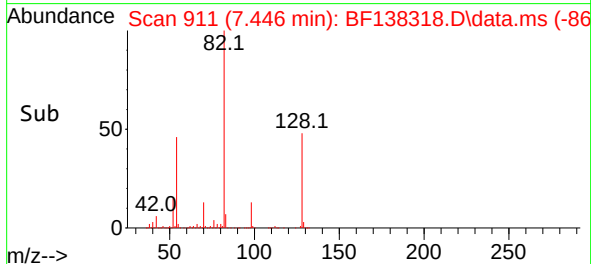
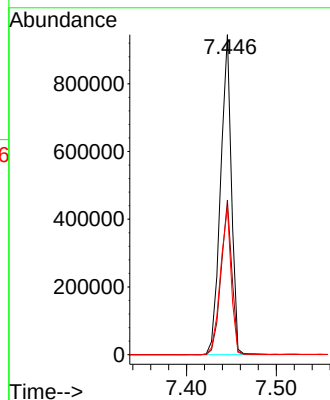
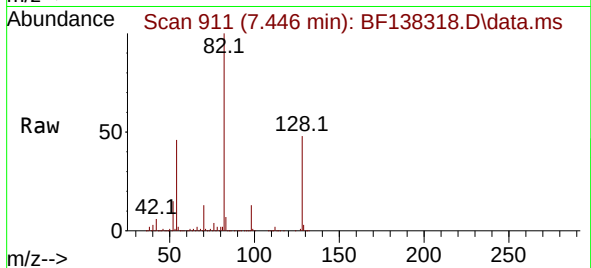
Ion	Ratio	Lower	Upper
82	100		
128	48.3	37.2	55.8
54	46.1	39.8	59.6

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1331

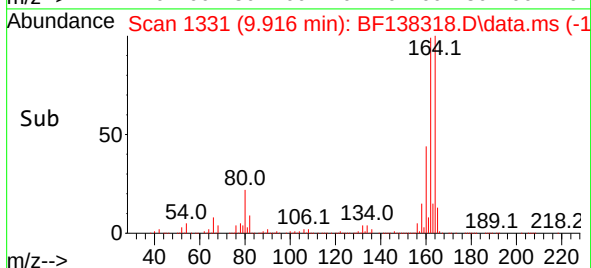
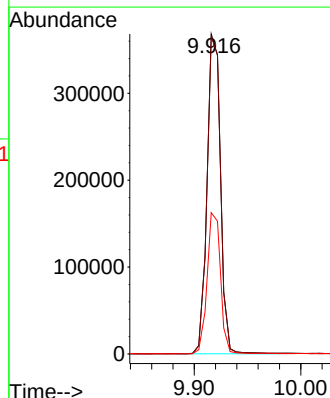
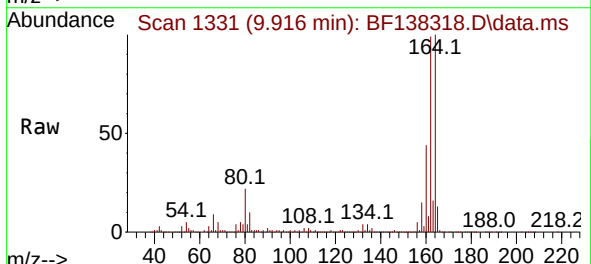
Delta R.T. -0.012 min

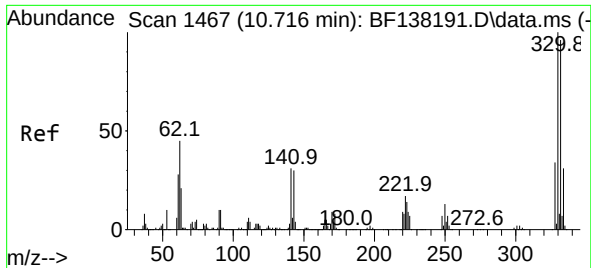
Lab File: BF138318.D

Acq: 24 Jun 2024 19:12

Tgt Ion:164 Resp: 323949

Ion	Ratio	Lower	Upper
164	100		
162	99.1	80.6	121.0
160	44.2	36.3	54.5





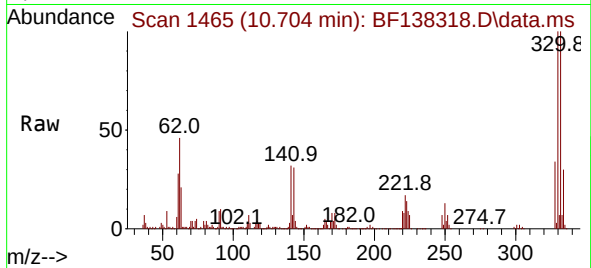
#42
2,4,6-Tribromophenol
Concen: 88.233 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.012 min
Lab File: BF138318.D
Acq: 24 Jun 2024 19:12

Instrument :

BNA_F

ClientSampleId :

HR-02-06202024



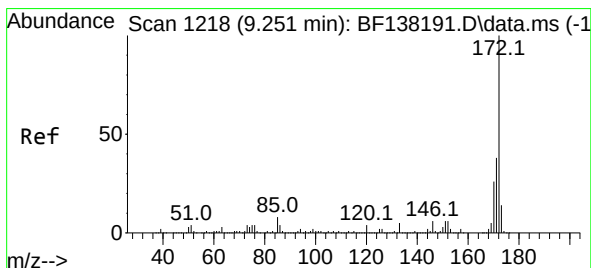
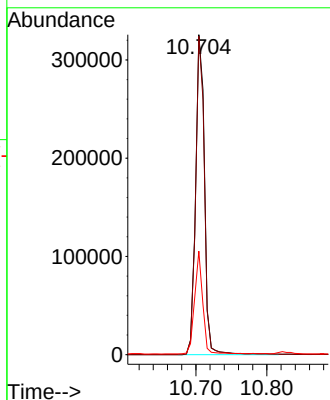
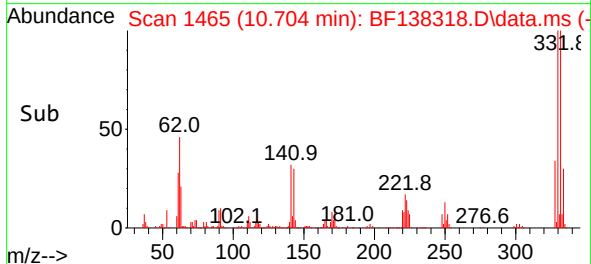
Tgt Ion: 330 Resp: 28455
Ion Ratio Lower Upper
330 100
332 97.4 76.6 115.0
141 29.3 23.9 35.9

Manual Integrations

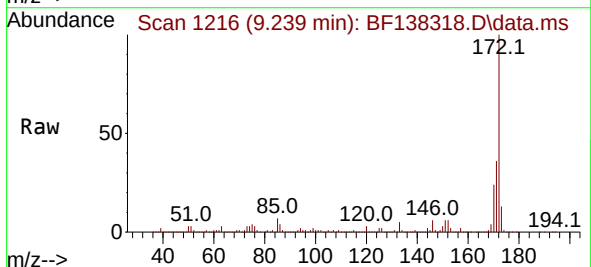
APPROVED

Reviewed By : Yogesh Patel 06/25/2024

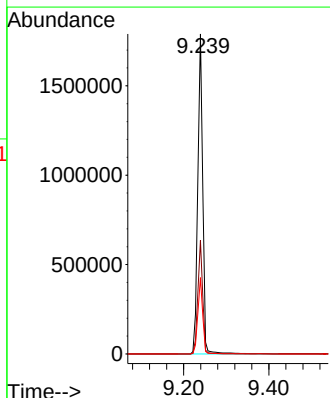
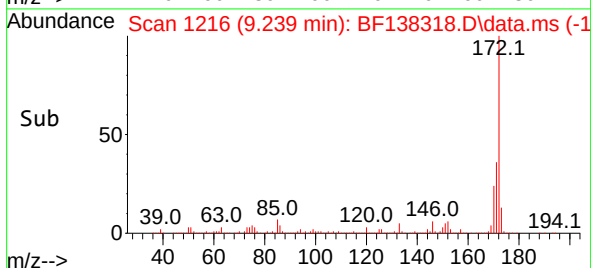
Supervised By : mohammad ahmed 06/26/2024

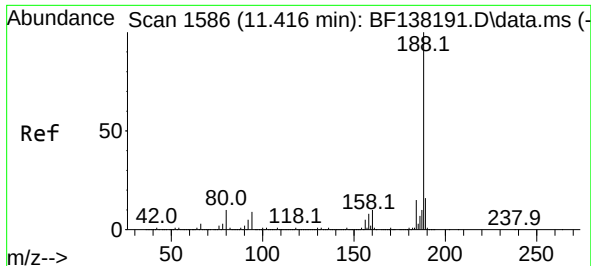


#45
2-Fluorobiphenyl
Concen: 71.374 ng
RT: 9.239 min Scan# 1216
Delta R.T. -0.011 min
Lab File: BF138318.D
Acq: 24 Jun 2024 19:12



Tgt Ion: 172 Resp: 1454051
Ion Ratio Lower Upper
172 100
171 35.5 30.3 45.5
170 23.8 20.6 30.8





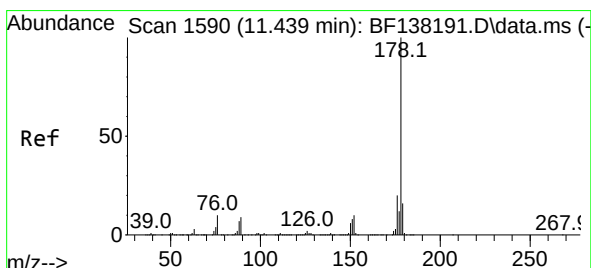
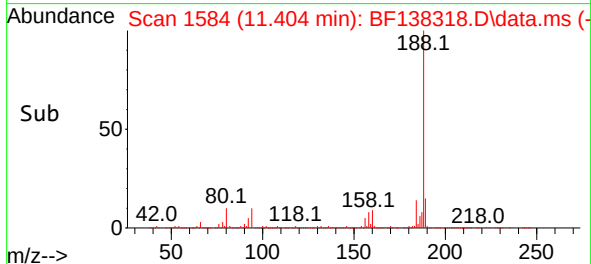
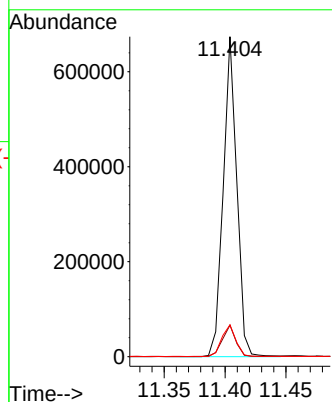
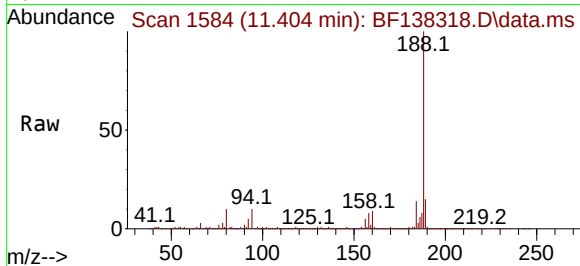
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138318.D
Acq: 24 Jun 2024 19:12

Instrument :
BNA_F
ClientSampleId :
HR-02-062024

Tgt Ion:188 Resp: 52312
Ion Ratio Lower Upper
188 100
94 9.8 7.6 11.4
80 10.0 8.1 12.1

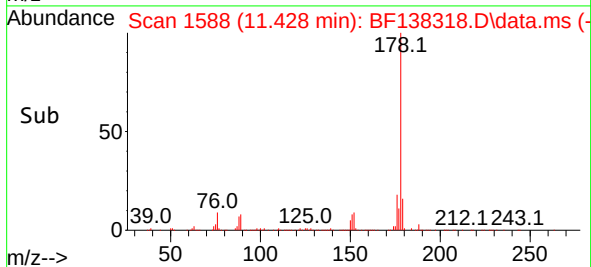
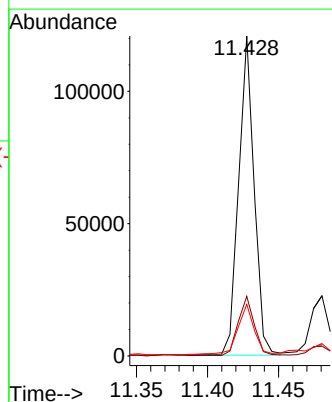
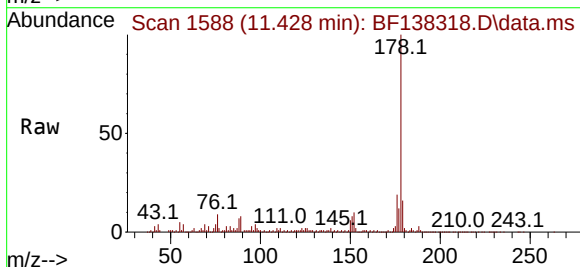
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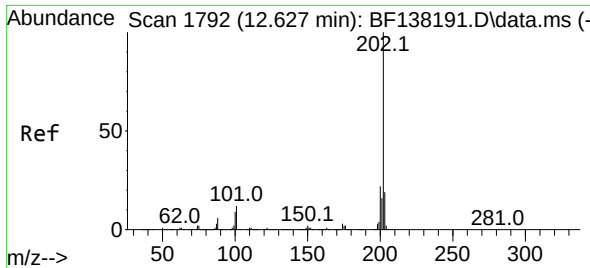
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024



#71
Phenanthrene
Concen: 3.548 ng
RT: 11.428 min Scan# 1588
Delta R.T. -0.012 min
Lab File: BF138318.D
Acq: 24 Jun 2024 19:12

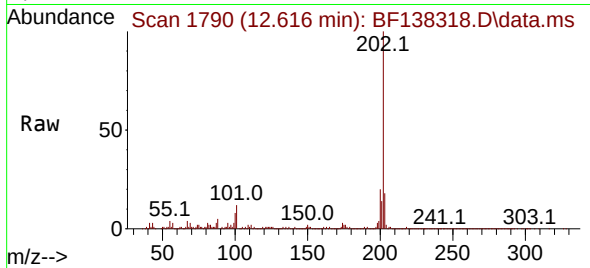
Tgt Ion:178 Resp: 91778
Ion Ratio Lower Upper
178 100
176 18.6 16.4 24.6
179 16.2 13.1 19.7





#75
Fluoranthene
Concen: 8.768 ng
RT: 12.616 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138318.D
Acq: 24 Jun 2024 19:12

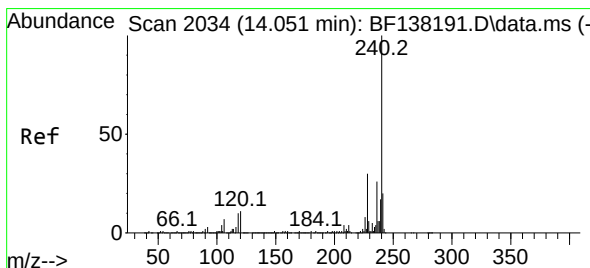
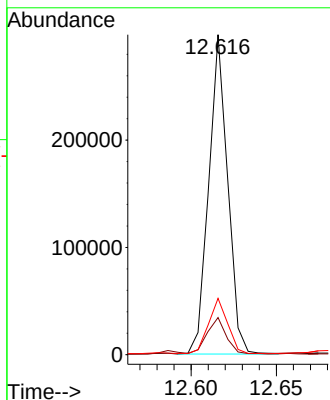
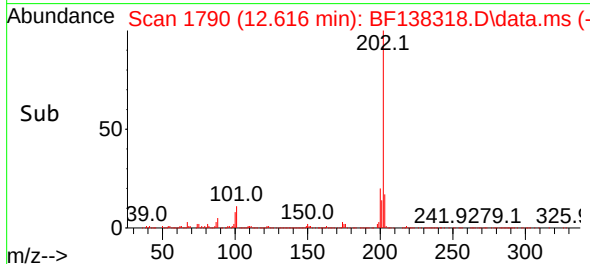
Instrument :
BNA_F
ClientSampleId :
HR-02-062024



Tgt Ion:202 Resp: 23129
Ion Ratio Lower Upper
202 100
101 11.6 0.0 31.8
203 17.6 0.0 38.6

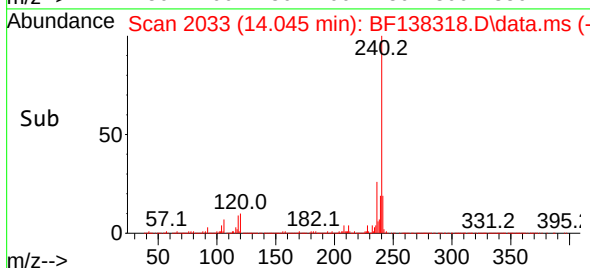
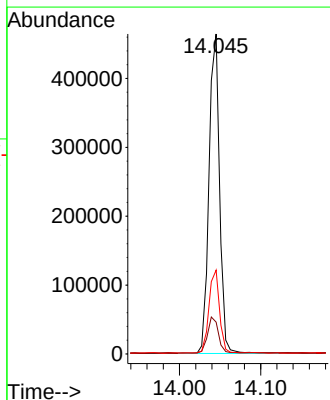
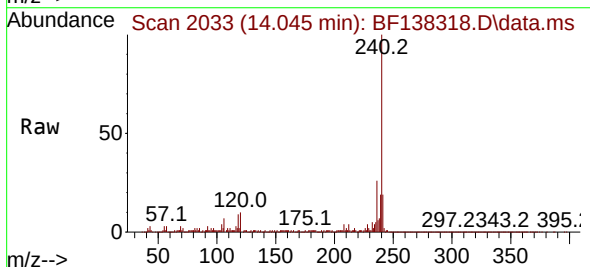
Manual Integrations
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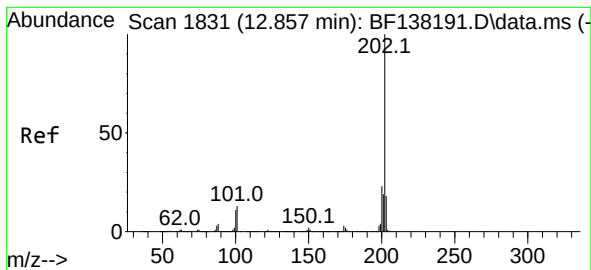
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF138318.D
Acq: 24 Jun 2024 19:12

Tgt Ion:240 Resp: 418776
Ion Ratio Lower Upper
240 100
120 10.0 9.2 13.8
236 26.2 21.0 31.6





#78

Pyrene

Concen: 6.560 ng

RT: 12.845 min Scan# 1829

Delta R.T. -0.012 min

Lab File: BF138318.D

Acq: 24 Jun 2024 19:12

Instrument :

BNA_F

ClientSampleId :

HR-02-06202024

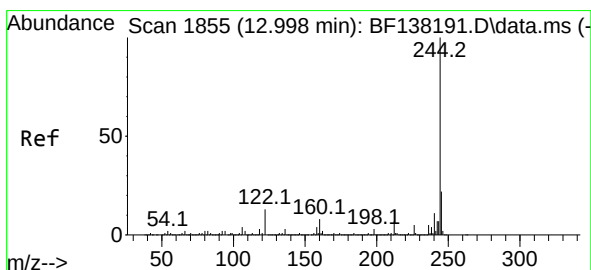
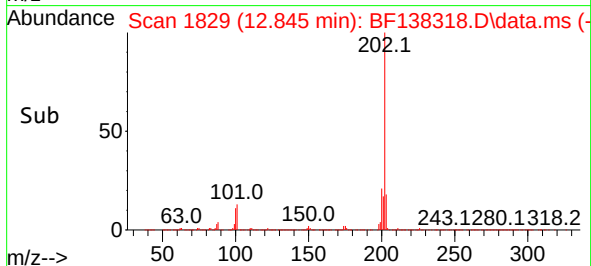
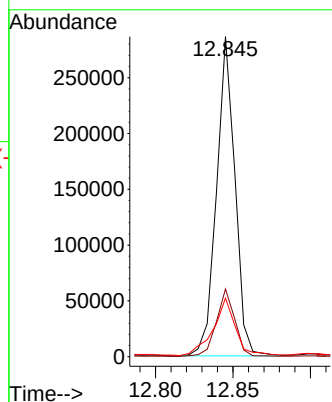
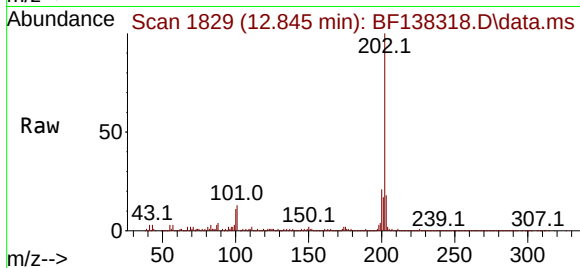
Tgt Ion:202 Resp: 236948
 Ion Ratio Lower Upper
 202 100
 200 21.2 18.0 27.0
 203 18.3 14.7 22.1

Manual Integrations

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Reviewed By :Yogesh Patel 06/25/2024

Supervised By :mohammad ahmed 06/26/2024



#79

Terphenyl-d14

Concen: 61.218 ng

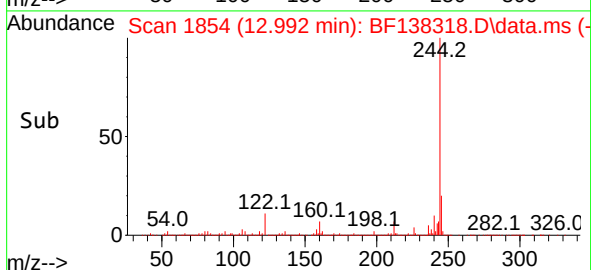
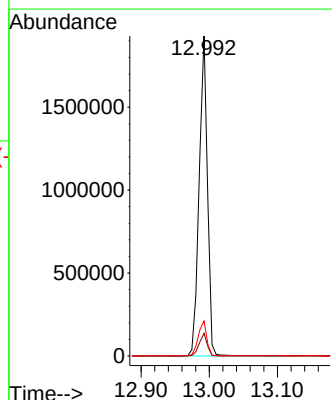
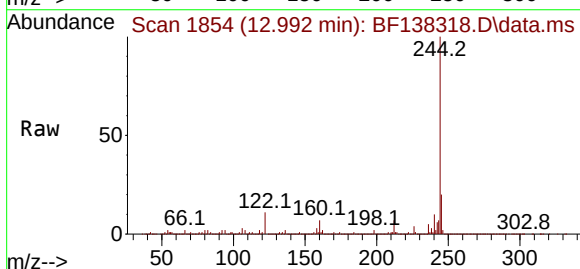
RT: 12.992 min Scan# 1854

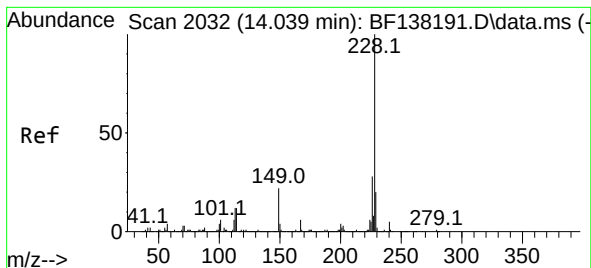
Delta R.T. -0.006 min

Lab File: BF138318.D

Acq: 24 Jun 2024 19:12

Tgt Ion:244 Resp: 1618644
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.9 8.9
 122 10.9 10.6 15.8





#81

Benzo(a)anthracene

Concen: 3.463 ng

RT: 14.033 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF138318.D

Acq: 24 Jun 2024 19:12

Instrument :

BNA_F

ClientSampleId :

HR-02-06202024

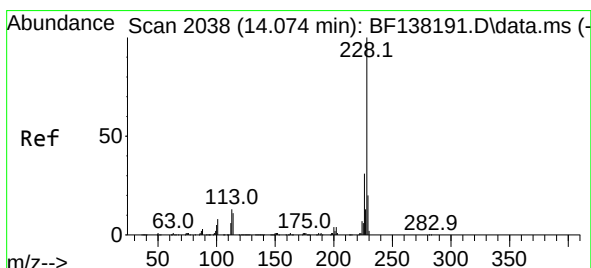
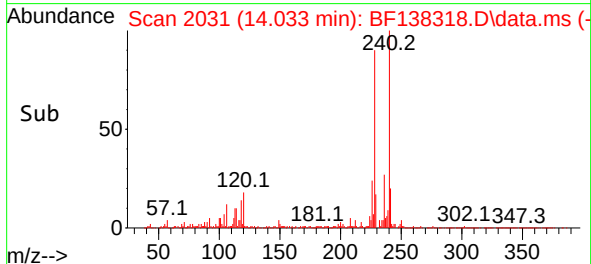
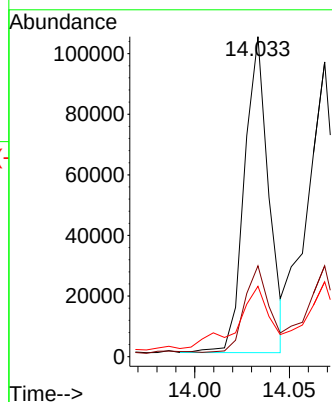
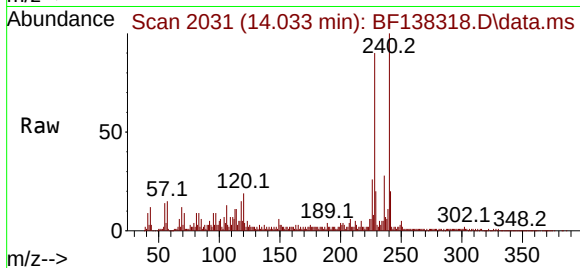
Tgt Ion:228 Resp: 93038
 Ion Ratio Lower Upper
 228 100
 226 28.4 22.5 33.7
 229 22.0 16.3 24.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/25/2024

Supervised By :mohammad ahmed 06/26/2024



#83

Chrysene

Concen: 3.888 ng m

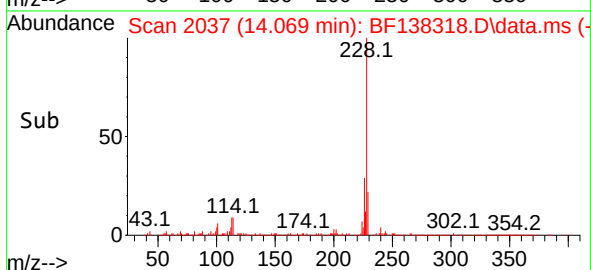
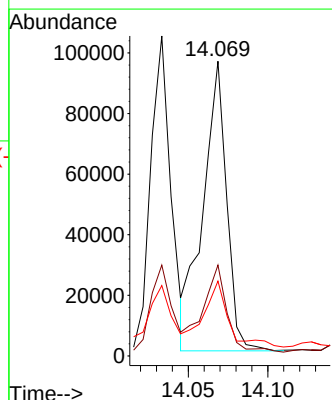
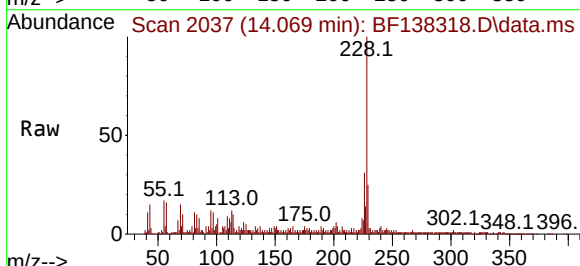
RT: 14.069 min Scan# 2037

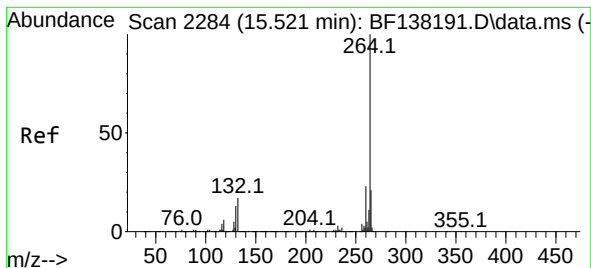
Delta R.T. -0.006 min

Lab File: BF138318.D

Acq: 24 Jun 2024 19:12

Tgt Ion:228 Resp: 99561
 Ion Ratio Lower Upper
 228 100
 226 30.8 24.5 36.7
 229 25.4 16.3 24.5#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF138318.D

Acq: 24 Jun 2024 19:12

Instrument :

BNA_F

ClientSampleId :

HR-02-06202024

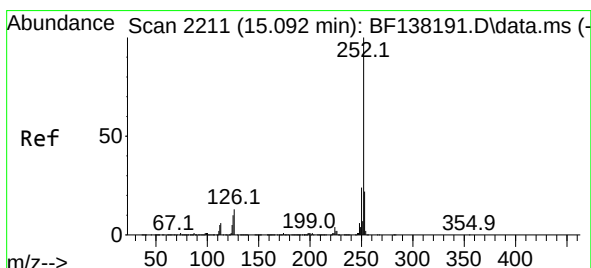
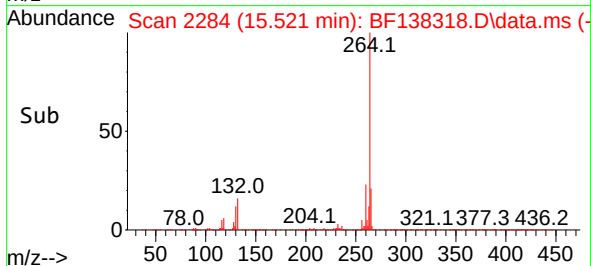
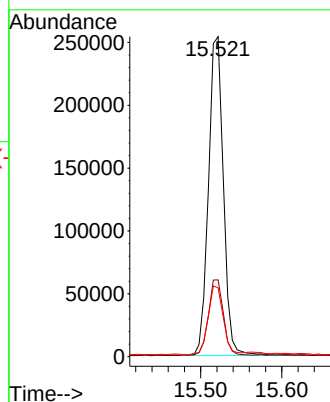
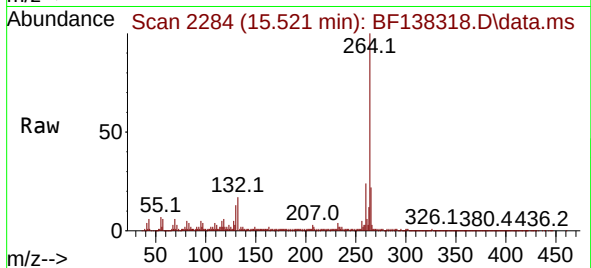
Tgt Ion:264 Resp: 323930
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.7 28.1
 265 21.5 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/25/2024

Supervised By :mohammad ahmed 06/26/2024



#88

Benzo(b)fluoranthene

Concen: 5.211 ng m

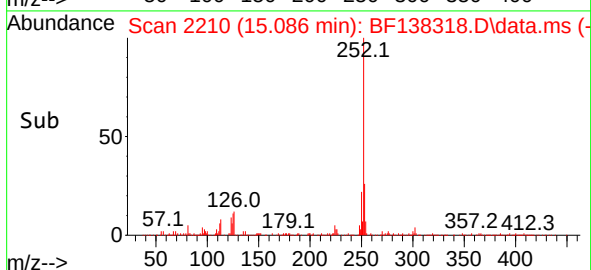
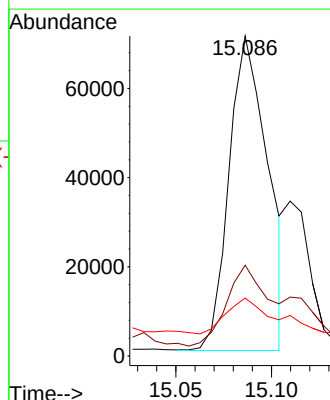
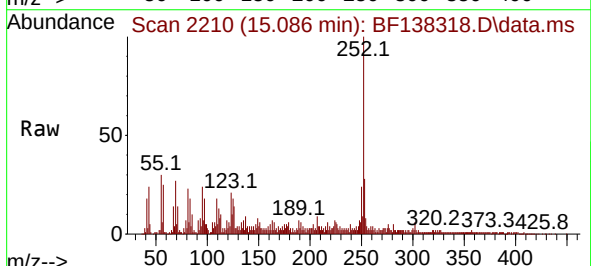
RT: 15.086 min Scan# 2210

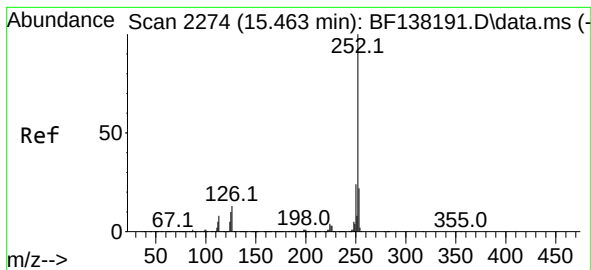
Delta R.T. -0.006 min

Lab File: BF138318.D

Acq: 24 Jun 2024 19:12

Tgt Ion:252 Resp: 99545
 Ion Ratio Lower Upper
 252 100
 253 28.4 17.7 26.5#
 125 18.1 7.8 11.8#





#90

Benzo(a)pyrene

Concen: 3.807 ng

RT: 15.451 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF138318.D

Acq: 24 Jun 2024 19:12

Instrument :

BNA_F

ClientSampleId :

HR-02-06202024

Tgt Ion:252 Resp: 62479

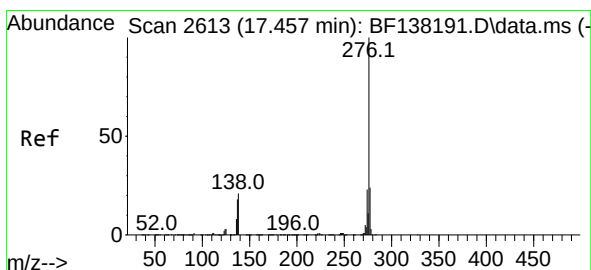
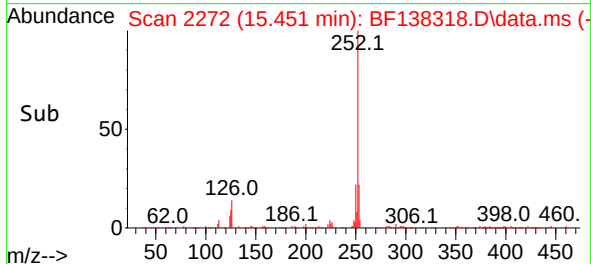
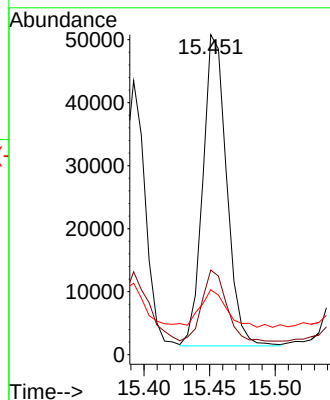
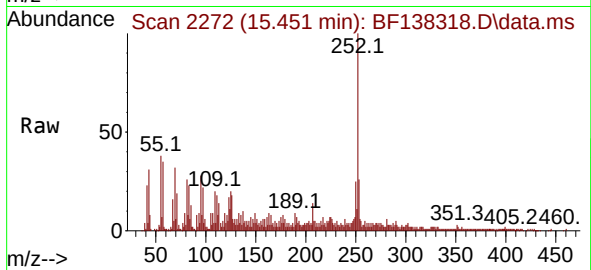
Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.7	26.5
125	20.3	8.2	12.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/25/2024

Supervised By :mohammad ahmed 06/26/2024



#92

Benzo(g,h,i)perylene

Concen: 2.496 ng

RT: 17.445 min Scan# 2611

Delta R.T. -0.012 min

Lab File: BF138318.D

Acq: 24 Jun 2024 19:12

Tgt Ion:276 Resp: 44756

Ion	Ratio	Lower	Upper
276	100		
277	27.6	19.5	29.3
138	23.9	16.6	24.8

