

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
 Data File : BF138315.D
 Acq On : 24 Jun 2024 17:43
 Operator : CG\JU
 Sample : P2847-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BKG-1

Manual Integrations
 APPROVED

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

Quant Time: Jun 24 18:23:29 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	6.881	152	237660	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	846448	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	393565	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	546434	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	550154	20.000	ng	0.00
86) Perylene-d12	15.515	264	448499	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1068776	75.228	ng	0.00
7) Phenol-d6	6.510	99	1266566	70.306	ng	-0.01
23) Nitrobenzene-d5	7.445	82	792090	54.478	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	257599	65.747	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1483283	59.930	ng	-0.01
79) Terphenyl-d14	12.986	244	1464793	42.170	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.427	178	280009	10.362	ng	97
72) Anthracene	11.480	178	53810	2.006	ng	97
75) Fluoranthene	12.616	202	1042908	37.847	ng	98
78) Pyrene	12.845	202	946524	19.946	ng	98
81) Benzo(a)anthracene	14.033	228	567330	16.074	ng	99
83) Chrysene	14.069	228	651885	19.377	ng	99
87) Indeno(1,2,3-cd)pyrene	16.986	276	241338	8.254	ng	96
88) Benzo(b)fluoranthene	15.086	252	771312m	29.163	ng	
89) Benzo(k)fluoranthene	15.110	252	231509m	8.932	ng	
90) Benzo(a)pyrene	15.451	252	441754	19.442	ng	99
91) Dibenzo(a,h)anthracene	17.004	278	60767	2.532	ng	93
92) Benzo(g,h,i)perylene	17.433	276	244496	9.848	ng	99

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

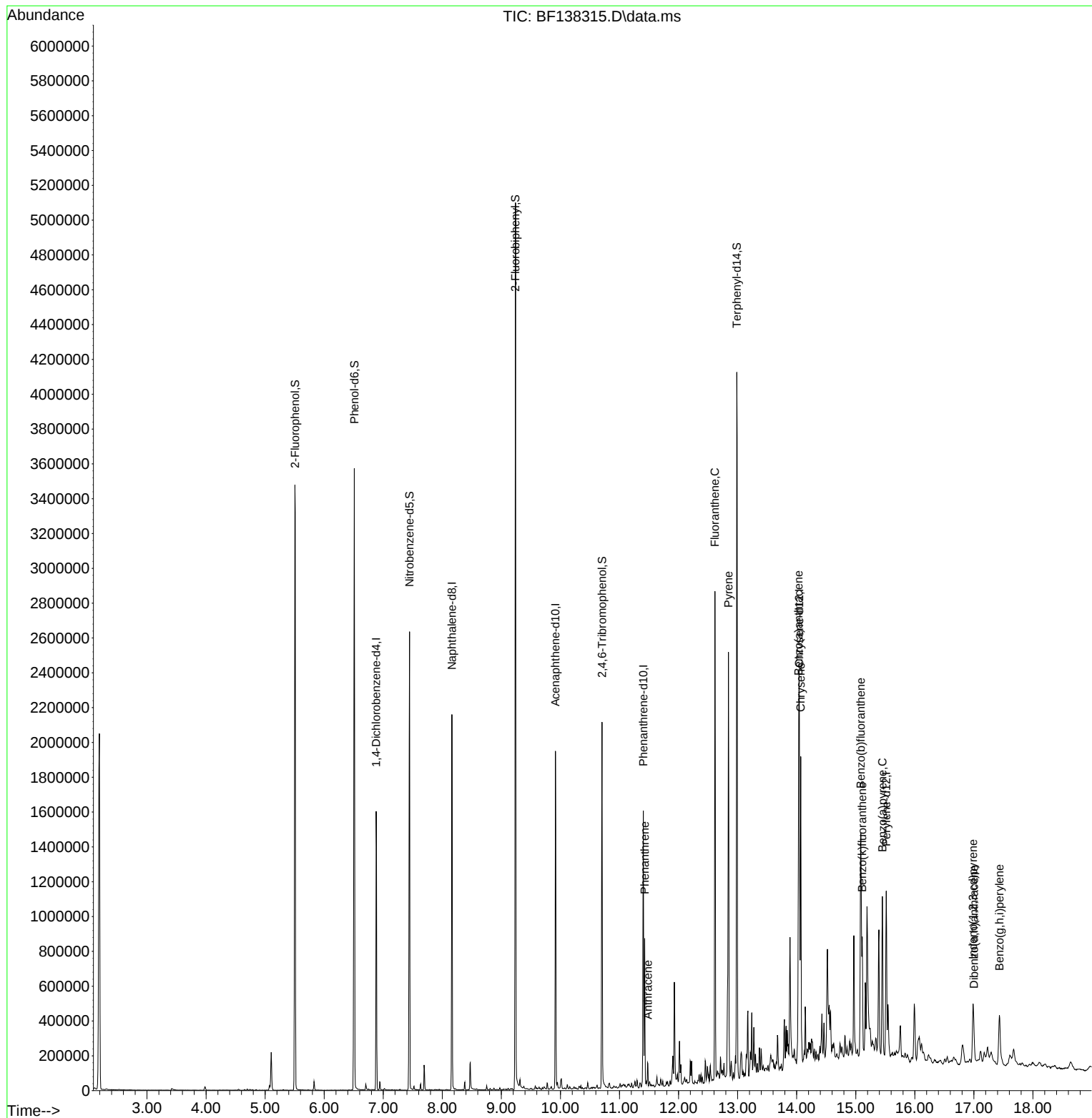
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
Data File : BF138315.D
Acq On : 24 Jun 2024 17:43
Operator : CG\JU
Sample : P2847-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BKG-1

Manual Integrations
APPROVED

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

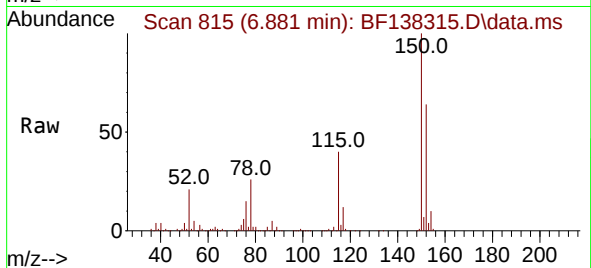
Quant Time: Jun 24 18:23:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 01:52:47 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 817
Delta R.T. -0.012 min
Lab File: BF138315.D
Acq: 24 Jun 2024 17:43

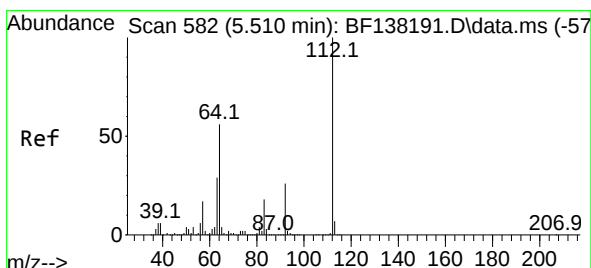
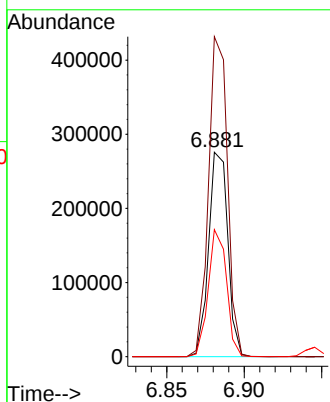
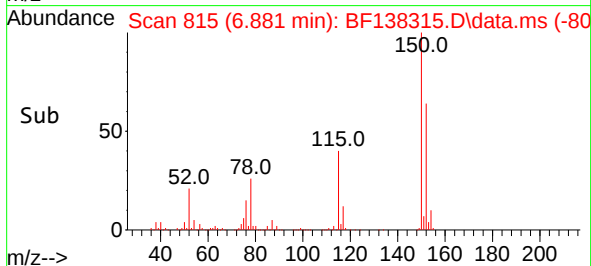
Instrument :
BNA_F
ClientSampleId :
BKG-1



Tgt Ion:152 Resp: 237660
Ion Ratio Lower Upper
152 100
150 156.4 125.0 187.4
115 62.1 48.4 72.6

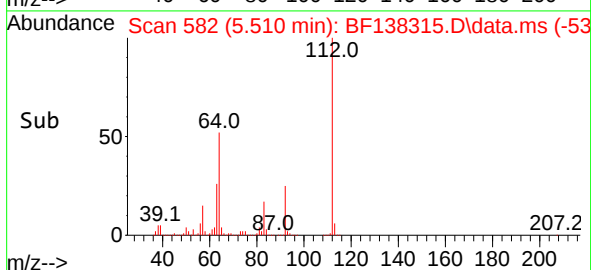
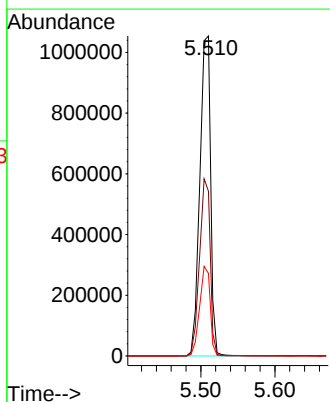
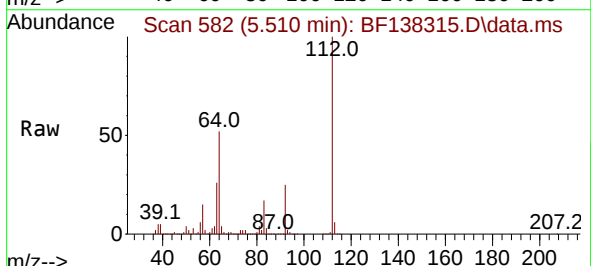
Manual Integrations
APPROVED

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



#5
2-Fluorophenol
Concen: 75.228 ng
RT: 5.510 min Scan# 582
Delta R.T. -0.000 min
Lab File: BF138315.D
Acq: 24 Jun 2024 17:43

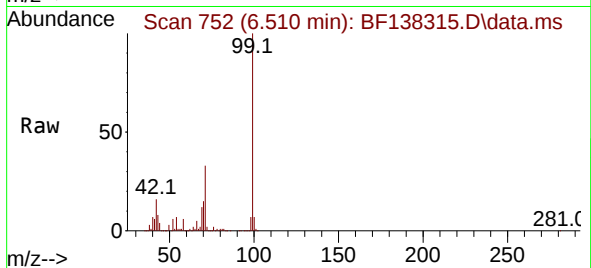
Tgt Ion:112 Resp: 1068776
Ion Ratio Lower Upper
112 100
64 51.5 45.2 67.8
63 25.8 22.9 34.3





#7
Phenol-d6
Concen: 70.306 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF138315.D
Acq: 24 Jun 2024 17:43

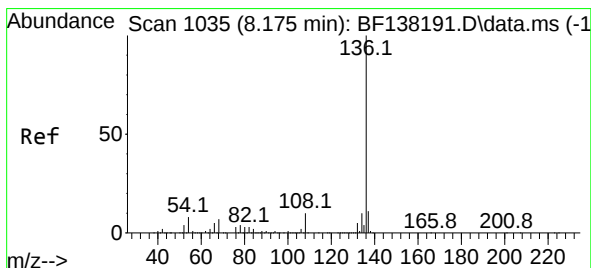
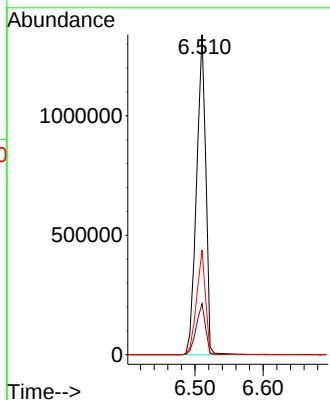
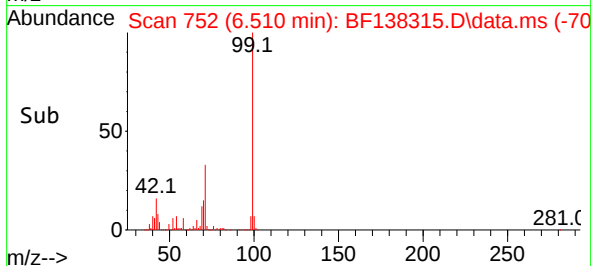
Instrument :
BNA_F
ClientSampleId :
BKG-1



Tgt Ion: 99 Resp: 126656
Ion Ratio Lower Upper
99 100
42 16.0 13.7 20.5
71 32.7 25.0 37.6

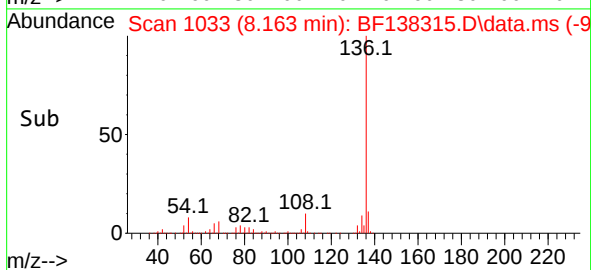
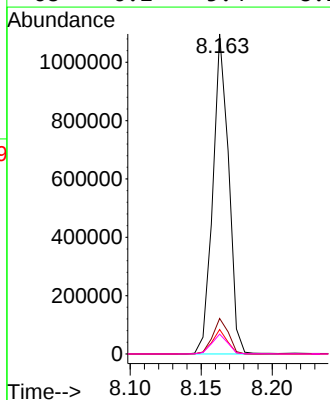
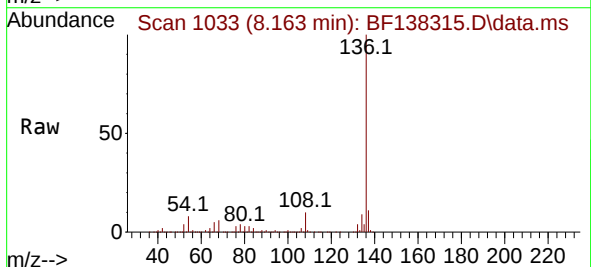
Manual Integrations
APPROVED

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: BF138315.D
Acq: 24 Jun 2024 17:43

Tgt Ion:136 Resp: 846448
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 7.6 6.6 10.0
68 6.2 5.4 8.2





#23

Nitrobenzene-d5

Concen: 54.478 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.012 min

Lab File: BF138315.D

Acq: 24 Jun 2024 17:43

Instrument :

BNA_F

ClientSampleId :

BKG-1

Tgt Ion: 82 Resp: 792090

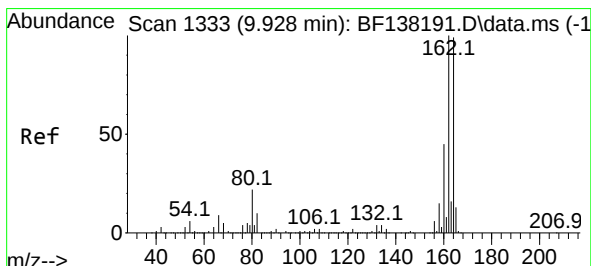
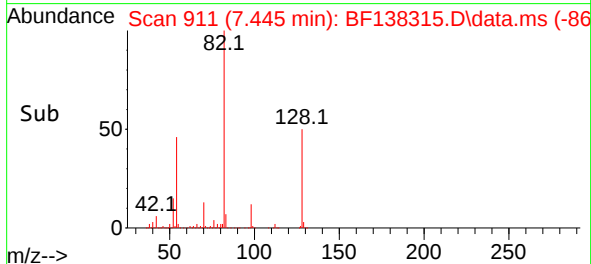
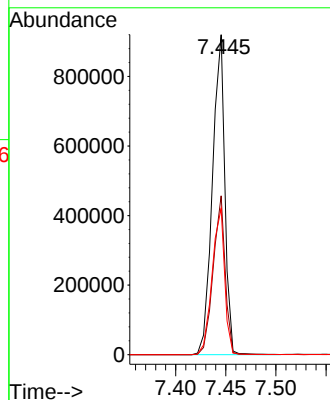
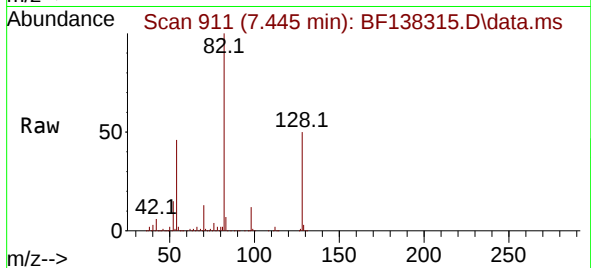
Ion	Ratio	Lower	Upper
82	100		
128	49.6	37.2	55.8
54	45.8	39.8	59.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/25/2024

Supervised By :mohammad ahmed 06/26/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1331

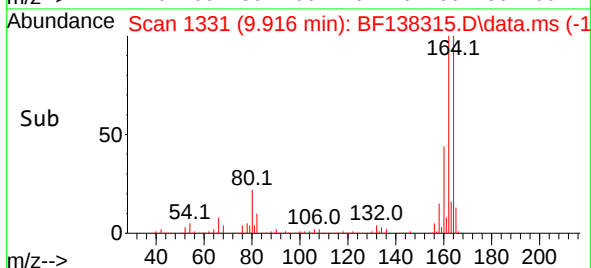
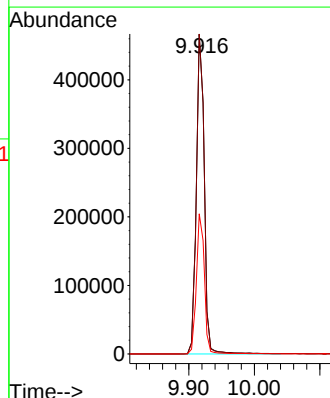
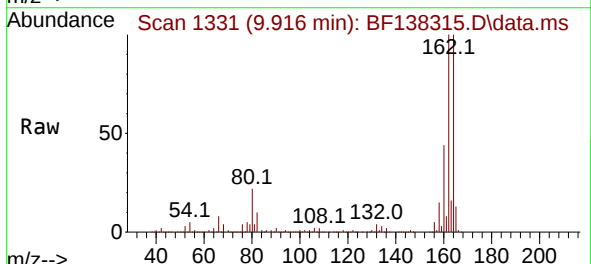
Delta R.T. -0.012 min

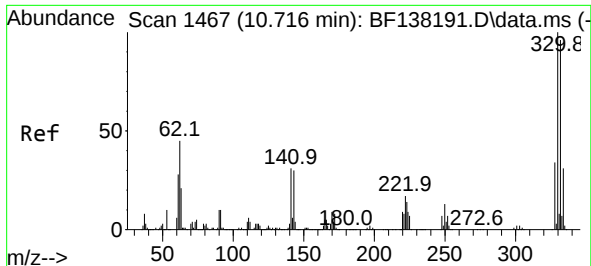
Lab File: BF138315.D

Acq: 24 Jun 2024 17:43

Tgt Ion:164 Resp: 393565

Ion	Ratio	Lower	Upper
164	100		
162	100.1	80.6	121.0
160	43.9	36.3	54.5





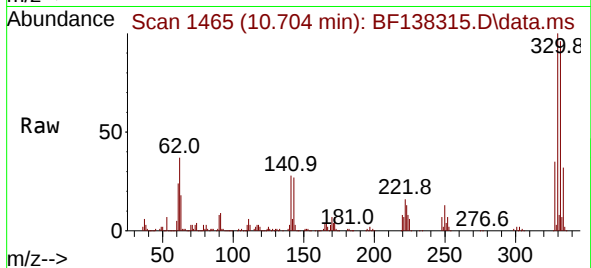
#42
2,4,6-Tribromophenol
Concen: 65.747 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.012 min
Lab File: BF138315.D
Acq: 24 Jun 2024 17:43

Instrument :

BNA_F

ClientSampleId :

BKG-1



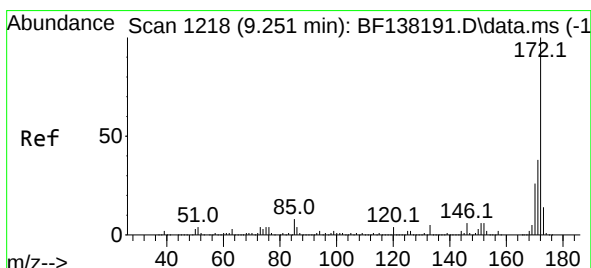
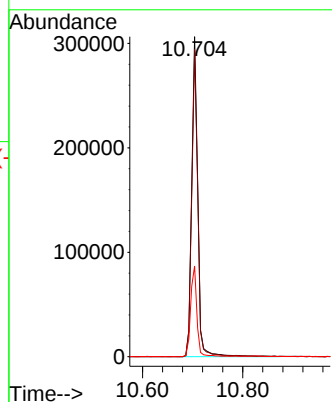
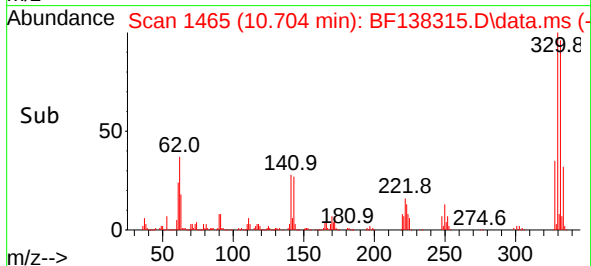
Tgt Ion:330 Resp: 257599
Ion Ratio Lower Upper
330 100
332 95.2 76.6 115.0
141 29.2 23.9 35.9

Manual Integrations

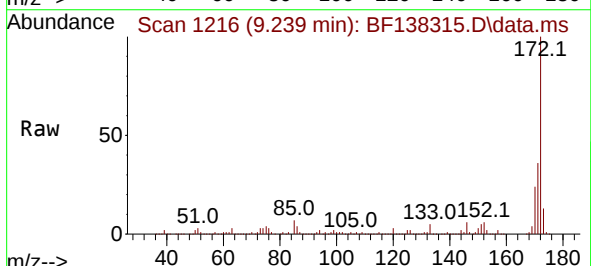
APPROVED

Reviewed By :Yogesh Patel 06/25/2024

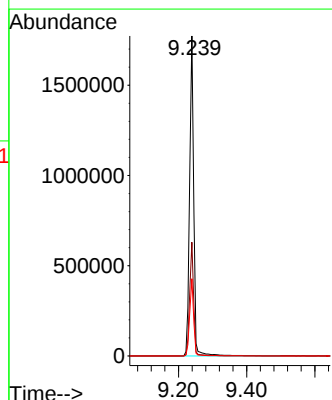
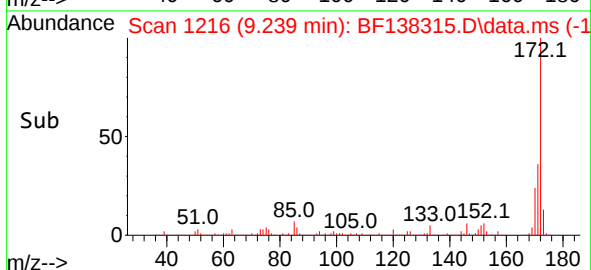
Supervised By :mohammad ahmed 06/26/2024

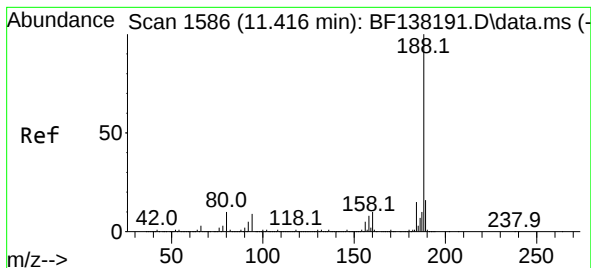


#45
2-Fluorobiphenyl
Concen: 59.930 ng
RT: 9.239 min Scan# 1216
Delta R.T. -0.012 min
Lab File: BF138315.D
Acq: 24 Jun 2024 17:43



Tgt Ion:172 Resp: 1483283
Ion Ratio Lower Upper
172 100
171 35.6 30.3 45.5
170 24.2 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: BF138315.D

Acq: 24 Jun 2024 17:43

Instrument :

BNA_F

ClientSampleId :

BKG-1

Tgt Ion:188 Resp: 546434

Ion Ratio Lower Upper

188 100

94 9.2 7.6 11.4

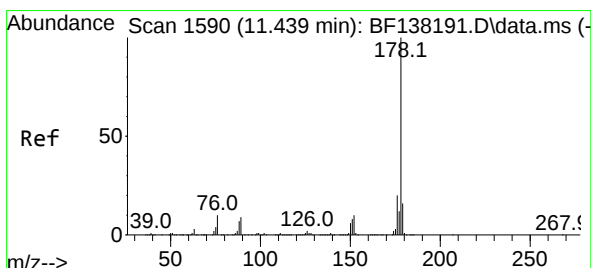
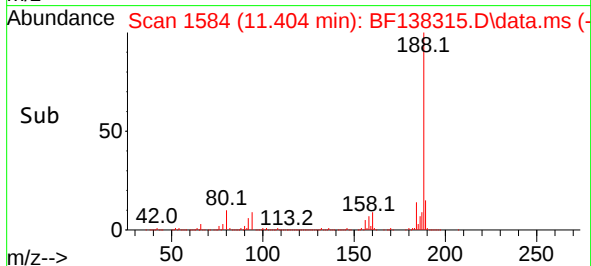
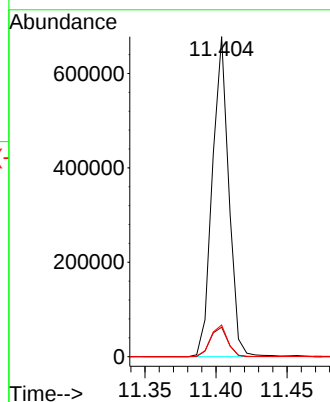
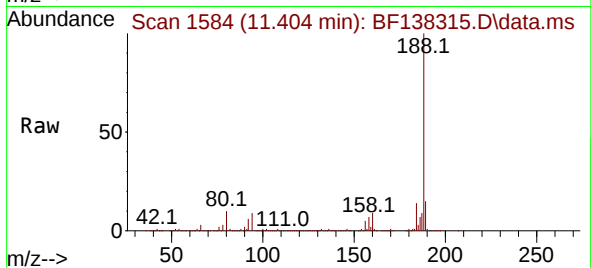
80 9.9 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/25/2024

Supervised By :mohammad ahmed 06/26/2024



#71

Phenanthrene

Concen: 10.362 ng

RT: 11.427 min Scan# 1588

Delta R.T. -0.012 min

Lab File: BF138315.D

Acq: 24 Jun 2024 17:43

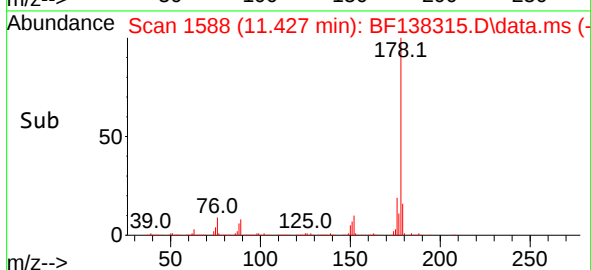
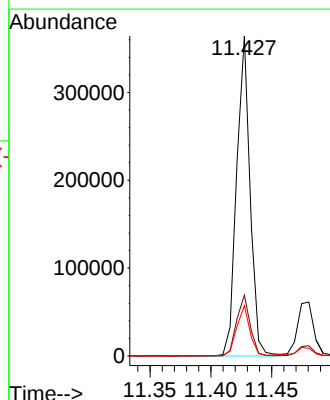
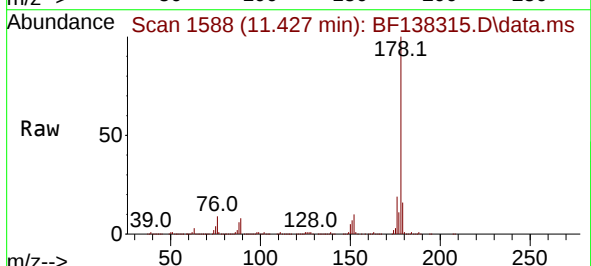
Tgt Ion:178 Resp: 280009

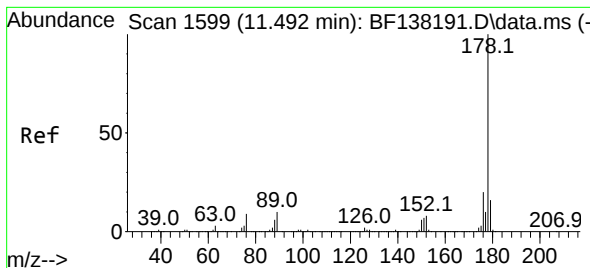
Ion Ratio Lower Upper

178 100

176 19.0 16.4 24.6

179 15.7 13.1 19.7





#72

Anthracene

Concen: 2.006 ng

RT: 11.480 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138315.D

Acq: 24 Jun 2024 17:43

Instrument :

BNA_F

ClientSampleId :

BKG-1

Tgt Ion:178 Resp: 53810

Ion Ratio Lower Upper

178 100

176 19.1 15.7 23.5

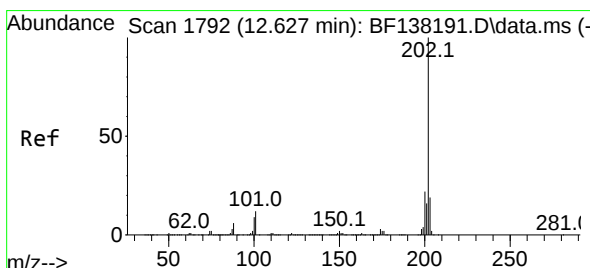
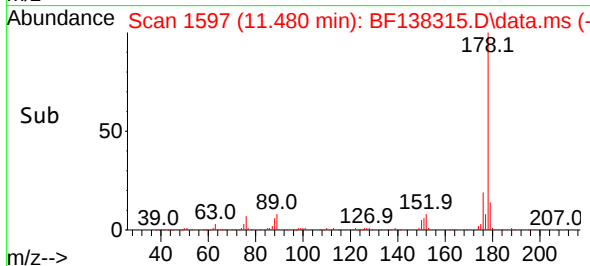
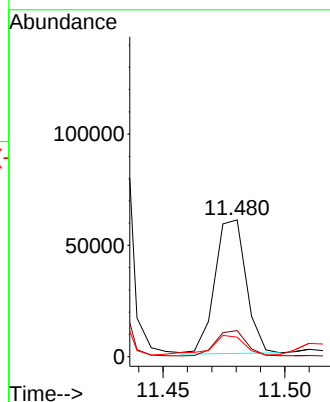
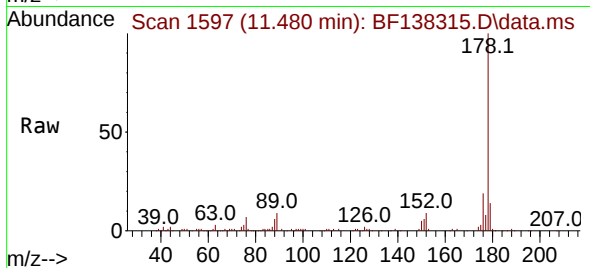
179 14.2 13.0 19.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/25/2024

Supervised By :mohammad ahmed 06/26/2024



#75

Fluoranthene

Concen: 37.847 ng

RT: 12.616 min Scan# 1790

Delta R.T. -0.012 min

Lab File: BF138315.D

Acq: 24 Jun 2024 17:43

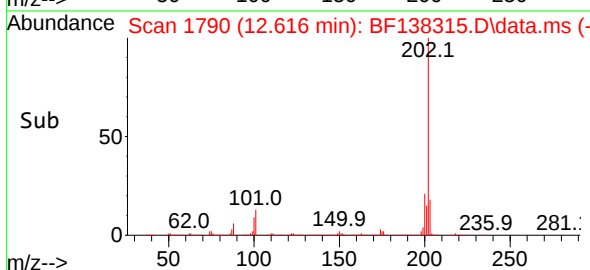
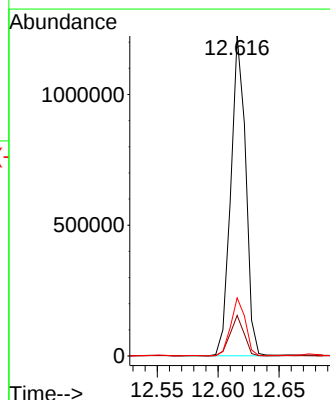
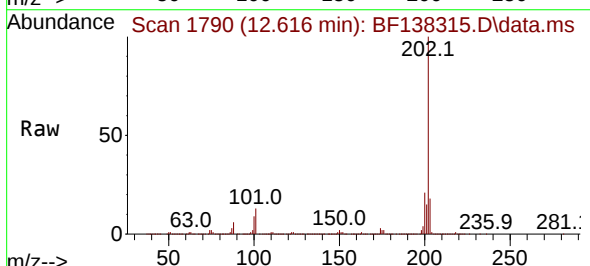
Tgt Ion:202 Resp: 1042908

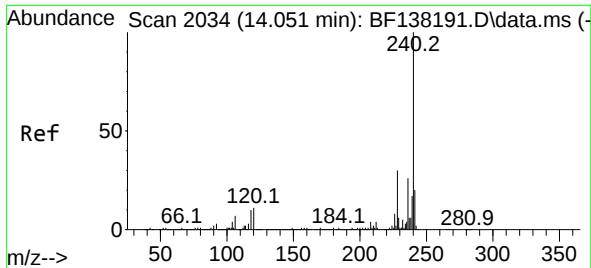
Ion Ratio Lower Upper

202 100

101 12.7 0.0 31.8

203 18.1 0.0 38.6





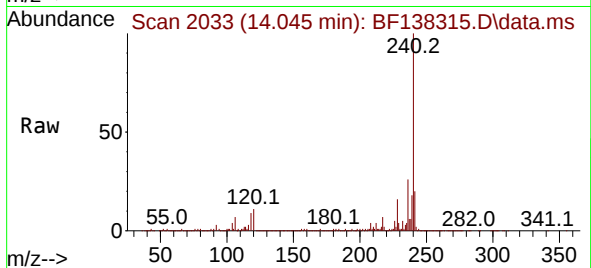
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BF138315.D
Acq: 24 Jun 2024 17:43

Instrument :

BNA_F

ClientSampleId :

BKG-1

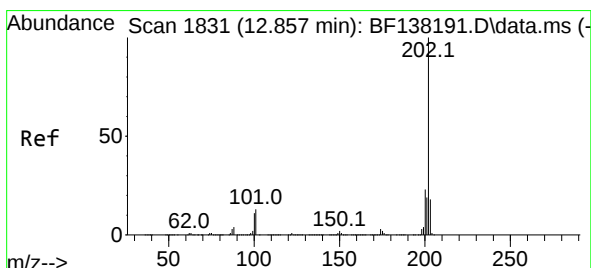
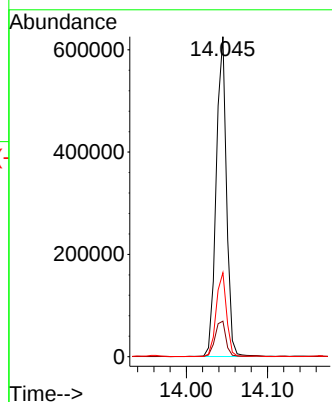
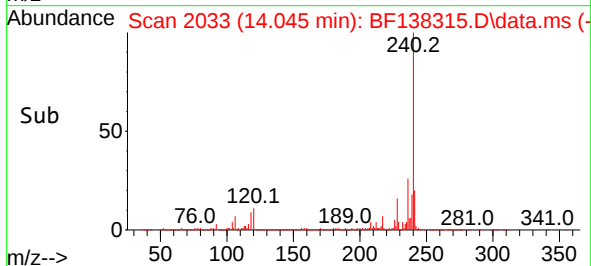


Tgt Ion:240 Resp: 550154
Ion Ratio Lower Upper
240 100
120 11.1 9.2 13.8
236 26.3 21.0 31.6

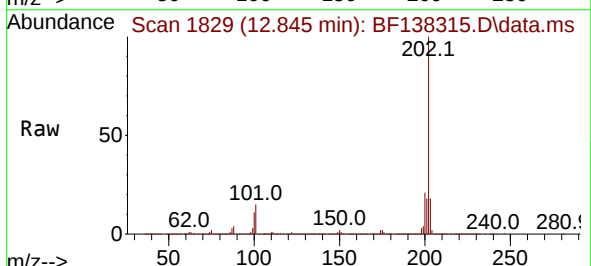
Manual Integrations

APPROVED

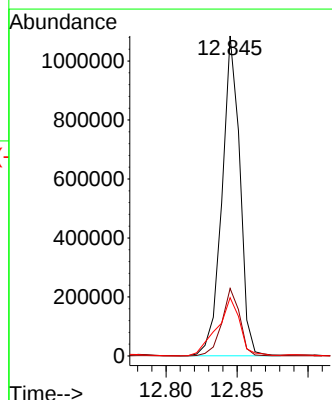
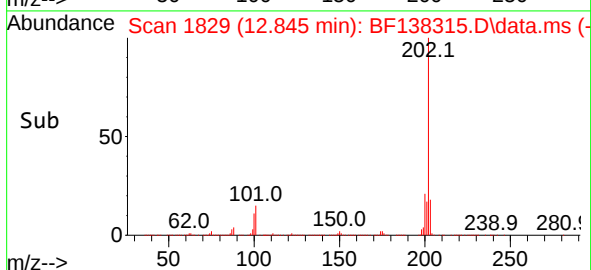
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024

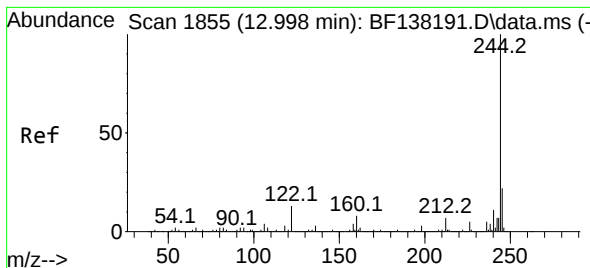


#78
Pyrene
Concen: 19.946 ng
RT: 12.845 min Scan# 1829
Delta R.T. -0.012 min
Lab File: BF138315.D
Acq: 24 Jun 2024 17:43



Tgt Ion:202 Resp: 946524
Ion Ratio Lower Upper
202 100
200 21.1 18.0 27.0
203 18.2 14.7 22.1





#79

Terphenyl-d14

Concen: 42.170 ng

RT: 12.986 min Scan# 1853

Delta R.T. -0.012 min

Lab File: BF138315.D

Acq: 24 Jun 2024 17:43

Instrument :

BNA_F

ClientSampleId :

BKG-1

Tgt Ion:244 Resp: 146479

Ion Ratio Lower Upper

244 100

212 6.7 5.9 8.9

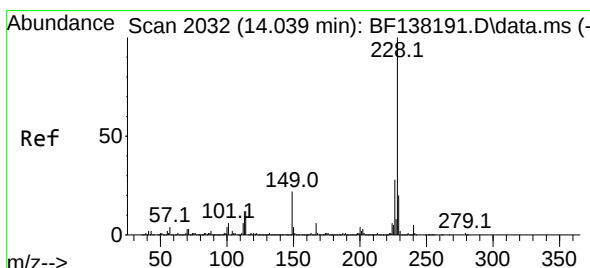
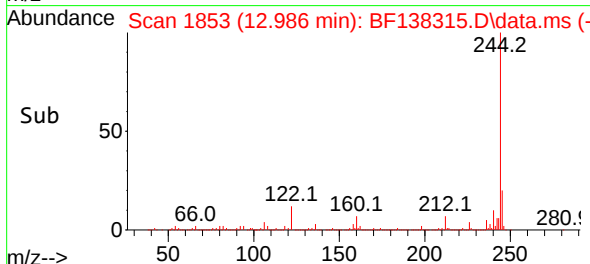
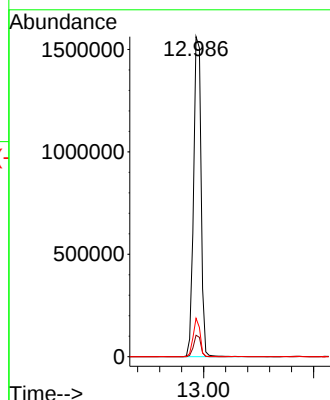
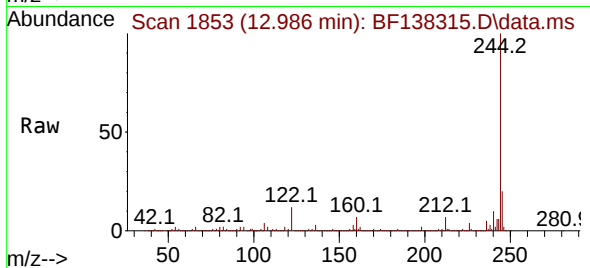
122 12.0 10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/25/2024

Supervised By :mohammad ahmed 06/26/2024



#81

Benzo(a)anthracene

Concen: 16.074 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF138315.D

Acq: 24 Jun 2024 17:43

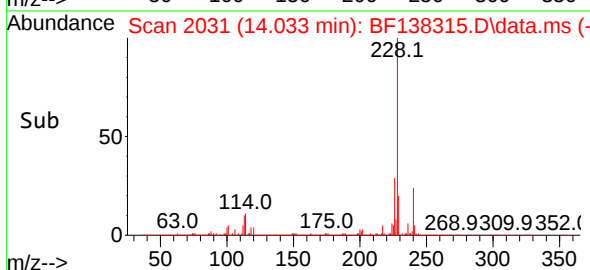
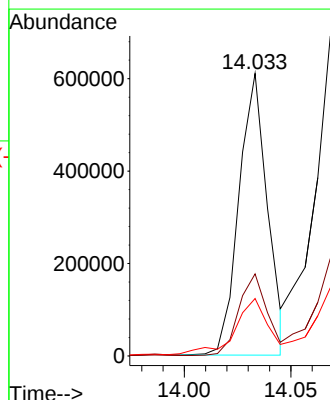
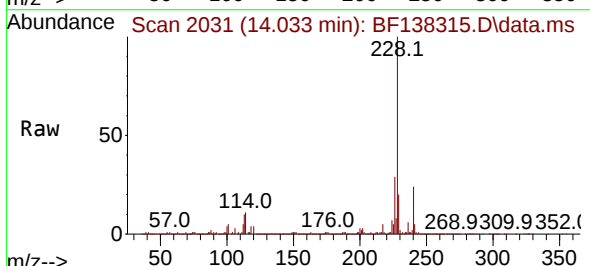
Tgt Ion:228 Resp: 567330

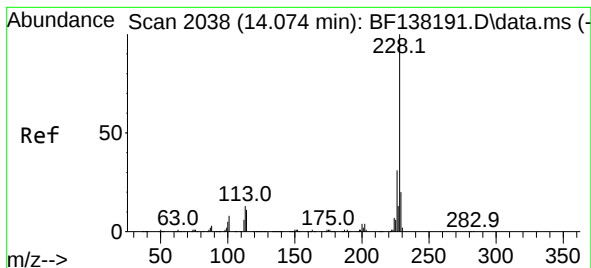
Ion Ratio Lower Upper

228 100

226 29.0 22.5 33.7

229 20.4 16.3 24.5





#83

Chrysene

Concen: 19.377 ng

RT: 14.069 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF138315.D

Acq: 24 Jun 2024 17:43

Instrument :

BNA_F

ClientSampleId :

BKG-1

Tgt Ion:228 Resp: 65188

Ion Ratio Lower Upper

228 100

226 30.4 24.5 36.7

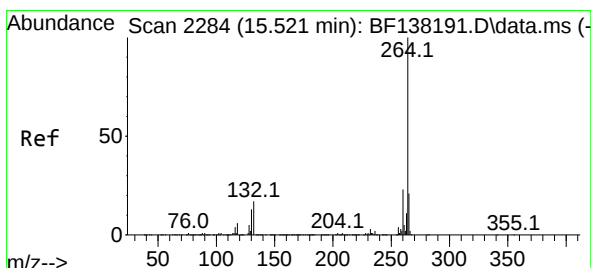
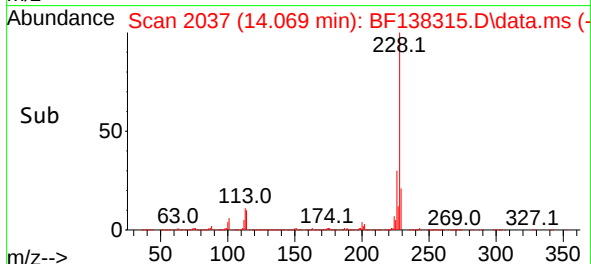
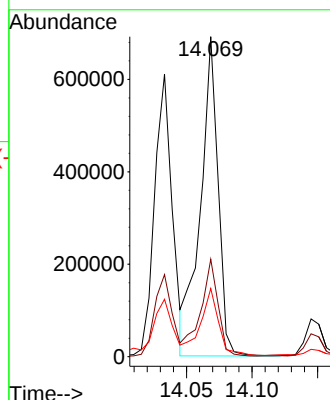
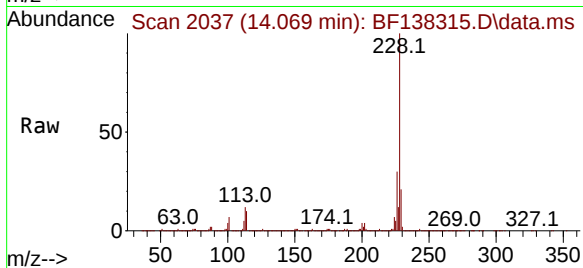
229 21.3 16.3 24.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/25/2024

Supervised By :mohammad ahmed 06/26/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 2283

Delta R.T. -0.006 min

Lab File: BF138315.D

Acq: 24 Jun 2024 17:43

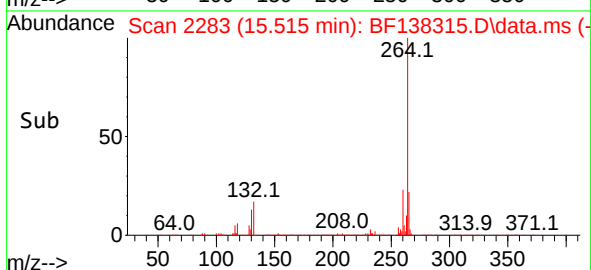
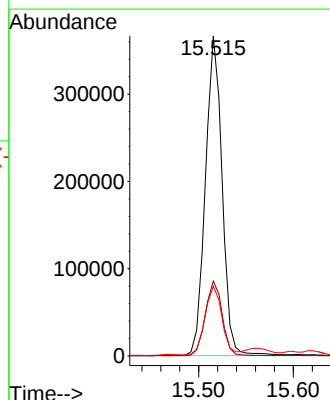
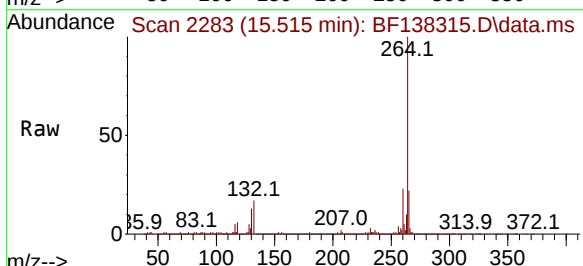
Tgt Ion:264 Resp: 448499

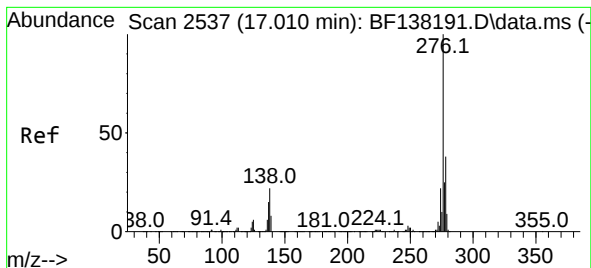
Ion Ratio Lower Upper

264 100

260 23.4 18.7 28.1

265 21.8 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.254 ng

RT: 16.986 min Scan# 2110

Delta R.T. -0.024 min

Lab File: BF138315.D

Acq: 24 Jun 2024 17:43

Instrument :

BNA_F

ClientSampleId :

BKG-1

Tgt Ion:276 Resp: 241338

Ion Ratio Lower Upper

276 100

138 20.8 19.3 28.9

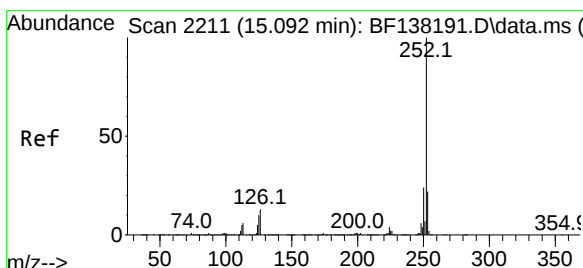
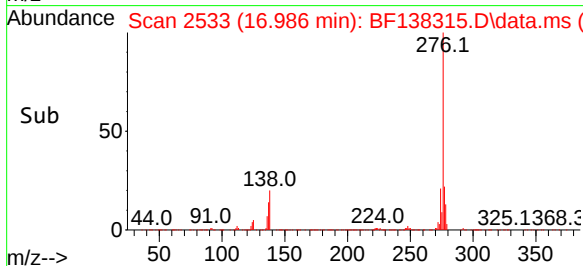
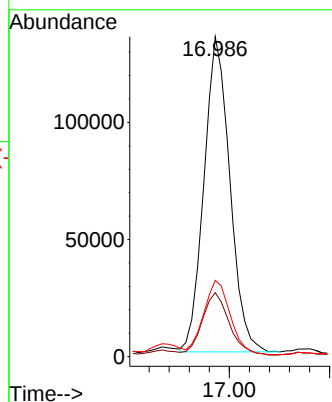
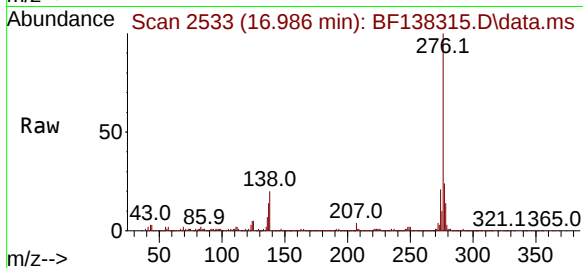
277 24.3 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/25/2024

Supervised By :mohammad ahmed 06/26/2024



#88

Benzo(b)fluoranthene

Concen: 29.163 ng m

RT: 15.086 min Scan# 2210

Delta R.T. -0.006 min

Lab File: BF138315.D

Acq: 24 Jun 2024 17:43

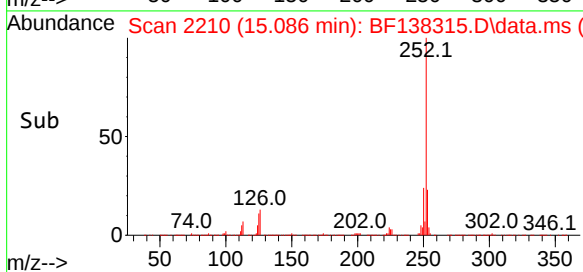
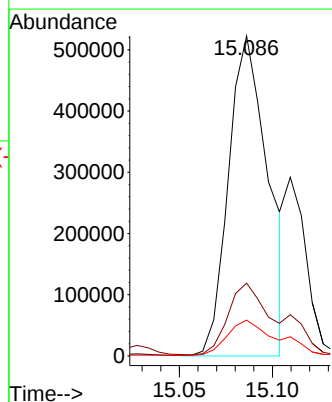
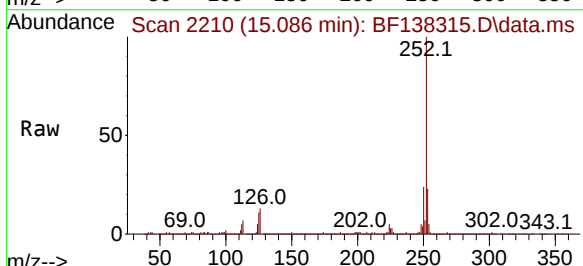
Tgt Ion:252 Resp: 771312

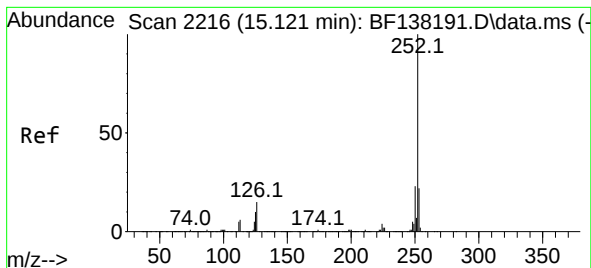
Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

125 11.2 7.8 11.8





#89

Benzo(k)fluoranthene

Concen: 8.932 ng m

RT: 15.110 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF138315.D

Acq: 24 Jun 2024 17:43

Instrument :

BNA_F

ClientSampleId :

BKG-1

Tgt Ion:252 Resp: 231509

Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.8

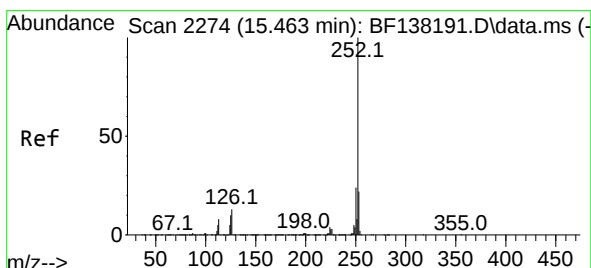
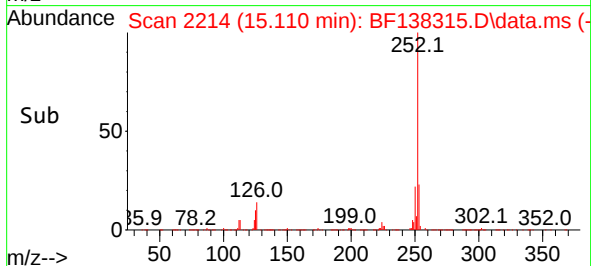
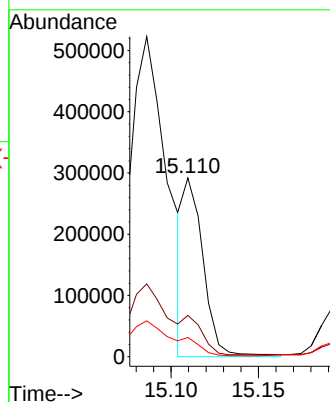
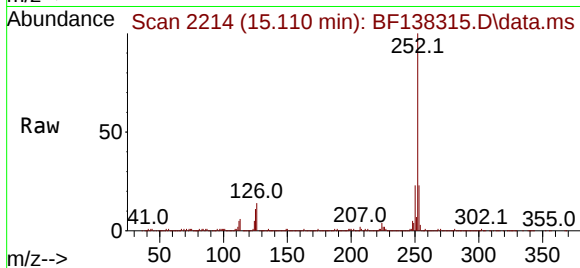
125 10.7 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/25/2024

Supervised By :mohammad ahmed 06/26/2024



#90

Benzo(a)pyrene

Concen: 19.442 ng

RT: 15.451 min Scan# 2272

Delta R.T. -0.012 min

Lab File: BF138315.D

Acq: 24 Jun 2024 17:43

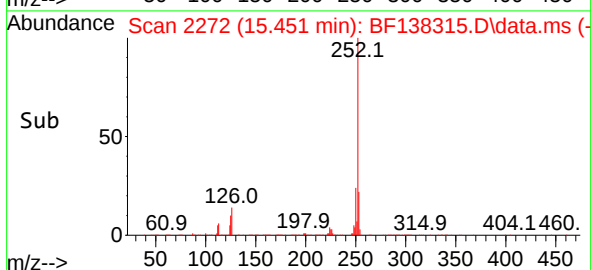
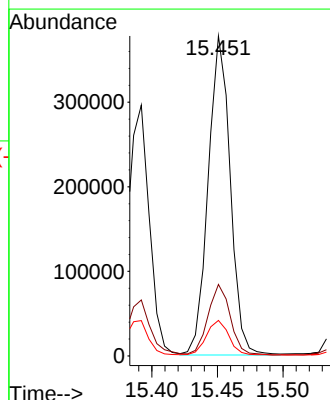
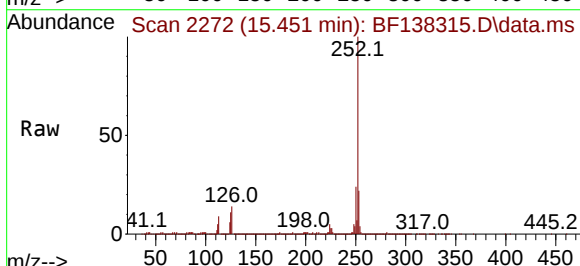
Tgt Ion:252 Resp: 441754

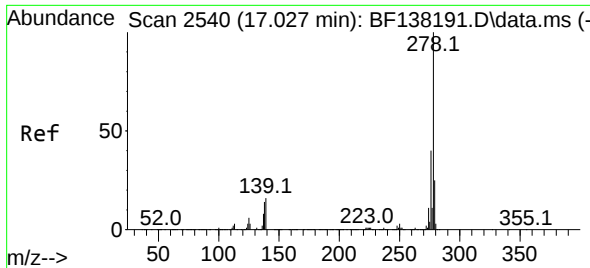
Ion Ratio Lower Upper

252 100

253 22.4 17.7 26.5

125 11.1 8.2 12.2





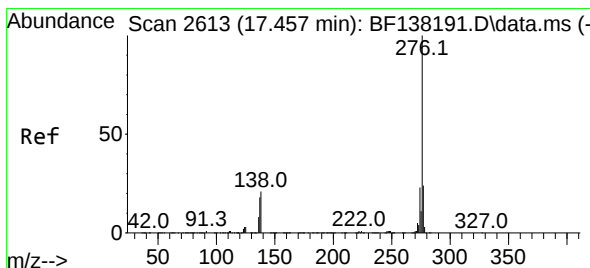
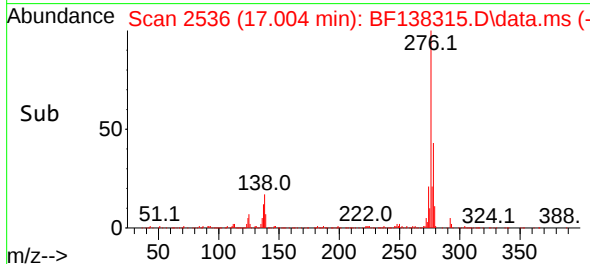
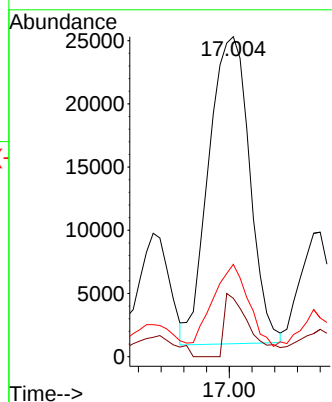
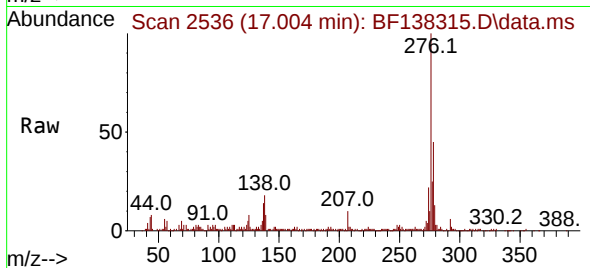
#91
Dibenzo(a,h)anthracene
Concen: 2.532 ng
RT: 17.004 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF138315.D
Acq: 24 Jun 2024 17:43

Instrument :
BNA_F
ClientSampleId :
BKG-1

Tgt Ion:278 Resp: 6076
Ion Ratio Lower Upper
278 100
139 18.3 12.9 19.3
279 28.8 19.9 29.9

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 9.848 ng
RT: 17.433 min Scan# 2609
Delta R.T. -0.024 min
Lab File: BF138315.D
Acq: 24 Jun 2024 17:43

Tgt Ion:276 Resp: 244496
Ion Ratio Lower Upper
276 100
277 24.6 19.5 29.3
138 21.2 16.6 24.8

