

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
 Data File : BF138316.D
 Acq On : 24 Jun 2024 18:13
 Operator : CG\JU
 Sample : P2847-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BKG-2

Manual Integrations
 APPROVED

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

Quant Time: Jun 24 18:53:06 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	6.881	152	212584	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	784078	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	362840	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	535969	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	496659	20.000	ng	0.00
86) Perylene-d12	15.515	264	407209	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	957846	75.373	ng	0.00
7) Phenol-d6	6.510	99	1139328	70.703	ng	-0.01
23) Nitrobenzene-d5	7.445	82	690103	51.239	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	251697	69.681	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1399990	61.355	ng	-0.01
79) Terphenyl-d14	12.986	244	1421884	45.343	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.427	178	127568	4.813	ng	96
75) Fluoranthene	12.616	202	431706	15.972	ng	98
78) Pyrene	12.845	202	399306	9.321	ng	98
81) Benzo(a)anthracene	14.033	228	200937	6.306	ng	98
83) Chrysene	14.068	228	249566	8.217	ng	98
87) Indeno(1,2,3-cd)pyrene	16.986	276	104419	3.933	ng	97
88) Benzo(b)fluoranthene	15.080	252	313110m	13.039	ng	
89) Benzo(k)fluoranthene	15.110	252	81079m	3.445	ng	
90) Benzo(a)pyrene	15.451	252	173270	8.399	ng	99
92) Benzo(g,h,i)perylene	17.439	276	105273	4.670	ng	97

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

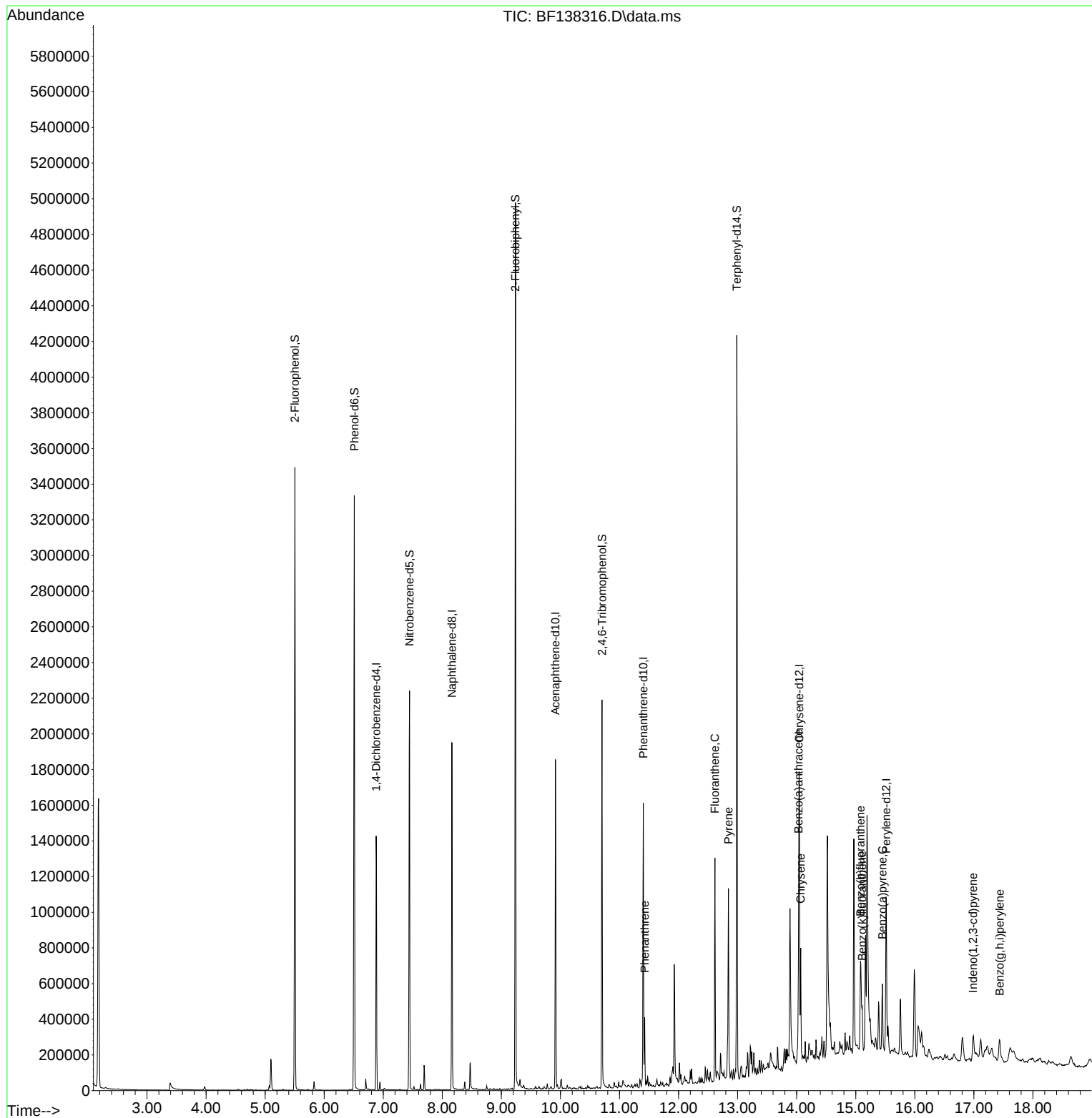
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
Data File : BF138316.D
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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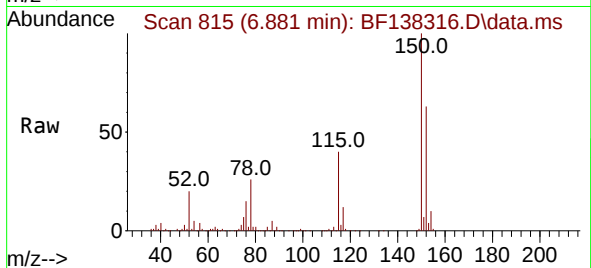
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 815
Delta R.T. -0.012 min
Lab File: BF138316.D
Acq: 24 Jun 2024 18:13

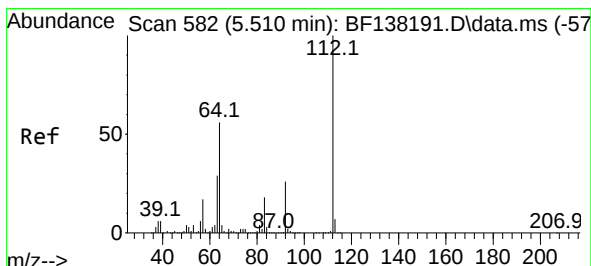
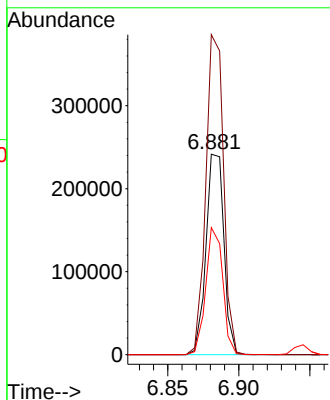
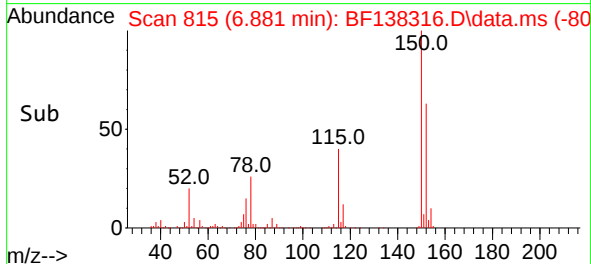
Instrument :
BNA_F
ClientSampleId :
BKG-2



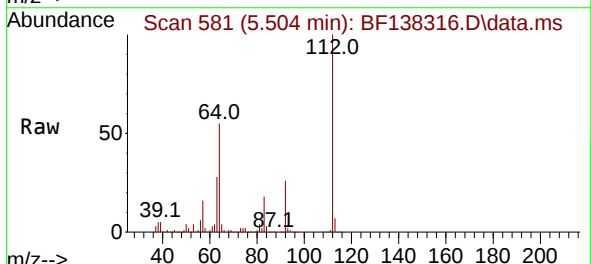
Tgt Ion:152 Resp: 212584
Ion Ratio Lower Upper
152 100
150 159.6 125.0 187.4
115 63.4 48.4 72.6

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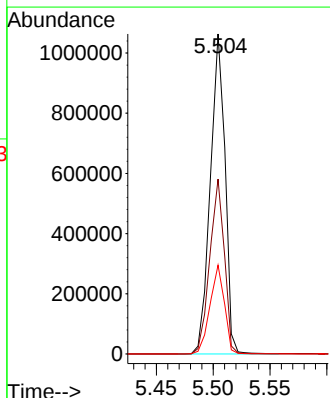
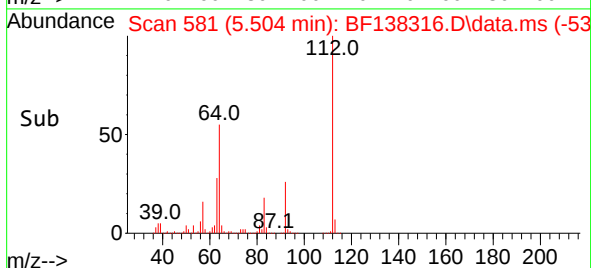
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024



#5
2-Fluorophenol
Concen: 75.373 ng
RT: 5.504 min Scan# 581
Delta R.T. -0.006 min
Lab File: BF138316.D
Acq: 24 Jun 2024 18:13



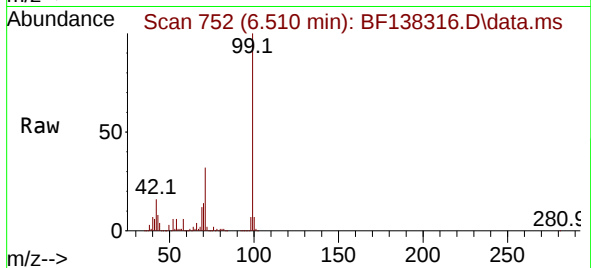
Tgt Ion:112 Resp: 957846
Ion Ratio Lower Upper
112 100
64 54.6 45.2 67.8
63 27.7 22.9 34.3





#7
Phenol-d6
Concen: 70.703 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF138316.D
Acq: 24 Jun 2024 18:13

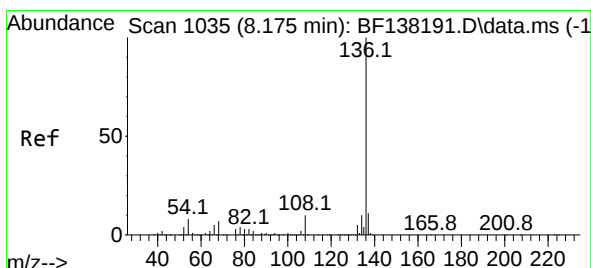
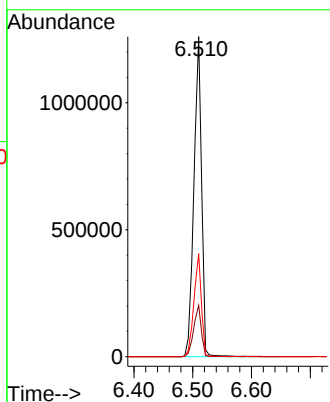
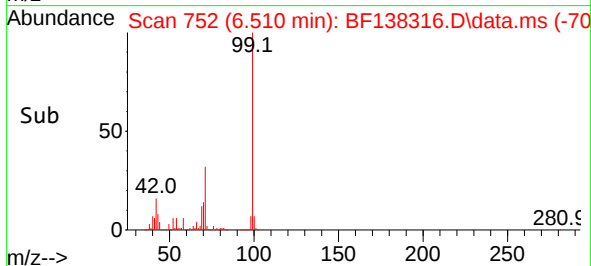
Instrument :
BNA_F
ClientSampleId :
BKG-2



Tgt Ion: 99 Resp: 1139328
Ion Ratio Lower Upper
99 100
42 16.0 13.7 20.5
71 32.2 25.0 37.6

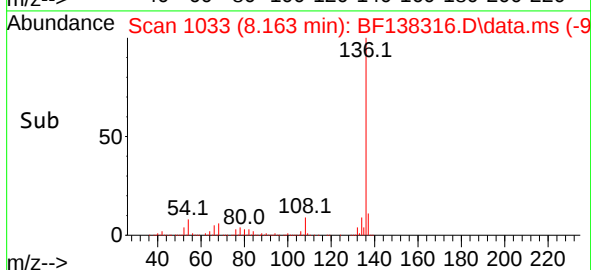
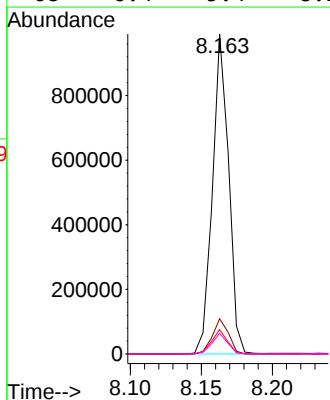
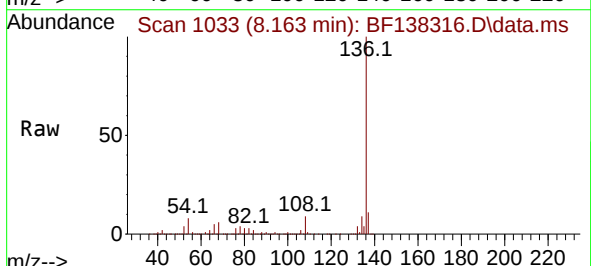
Manual Integrations
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1033
Delta R.T. -0.012 min
Lab File: BF138316.D
Acq: 24 Jun 2024 18:13

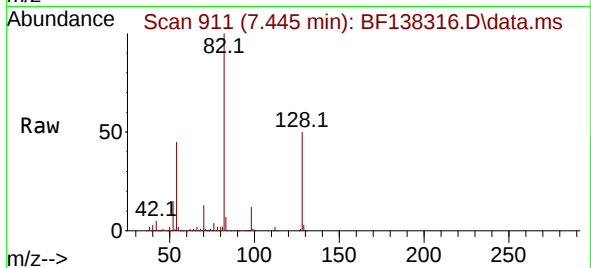
Tgt Ion:136 Resp: 784078
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 7.6 6.6 10.0
68 6.4 5.4 8.2





#23
Nitrobenzene-d5
Concen: 51.239 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF138316.D
Acq: 24 Jun 2024 18:13

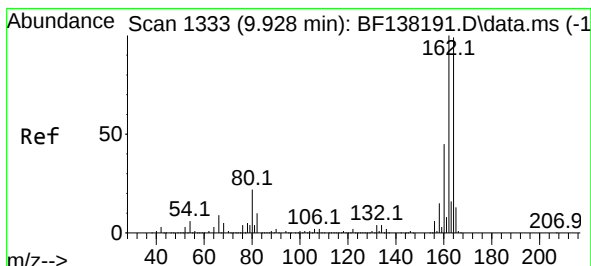
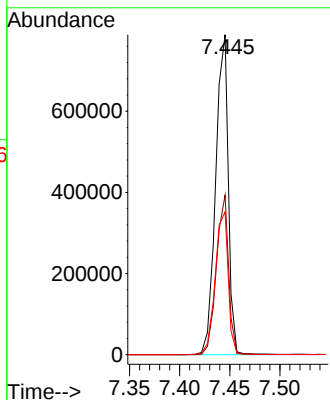
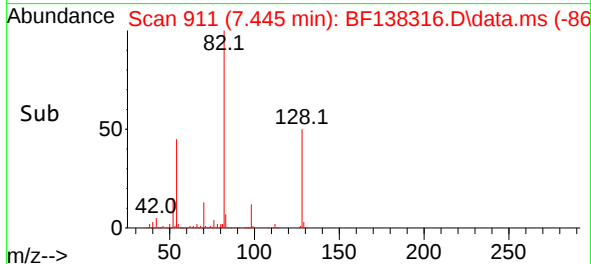
Instrument :
BNA_F
ClientSampleId :
BKG-2



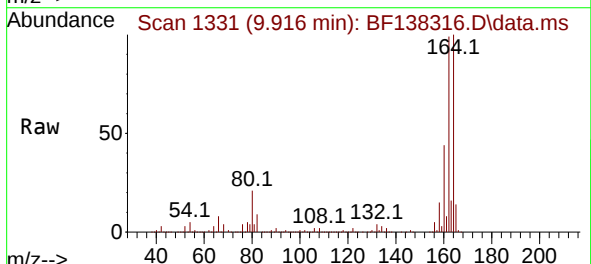
Tgt Ion: 82 Resp: 69010
Ion Ratio Lower Upper
82 100
128 49.8 37.2 55.8
54 44.6 39.8 59.6

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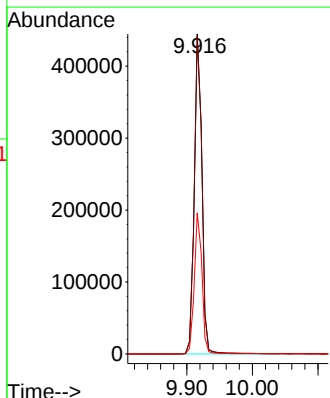
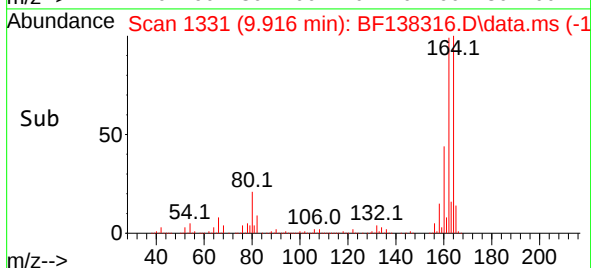
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.012 min
Lab File: BF138316.D
Acq: 24 Jun 2024 18:13



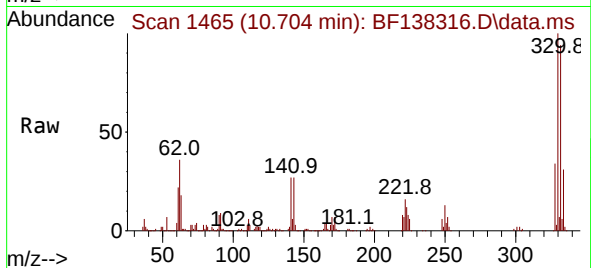
Tgt Ion:164 Resp: 362840
Ion Ratio Lower Upper
164 100
162 99.4 80.6 121.0
160 44.1 36.3 54.5





#42
2,4,6-Tribromophenol
Concen: 69.681 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.012 min
Lab File: BF138316.D
Acq: 24 Jun 2024 18:13

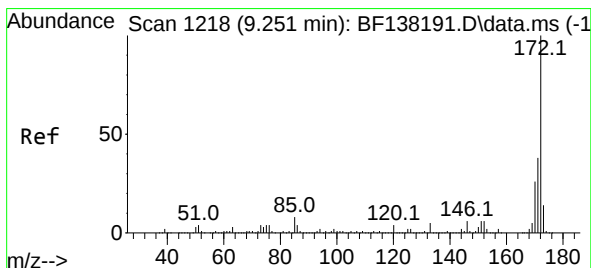
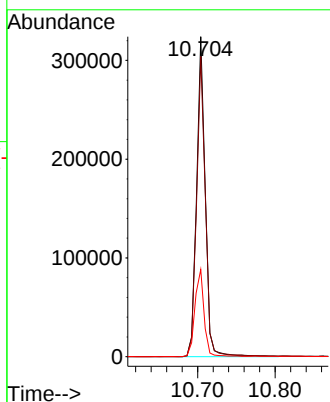
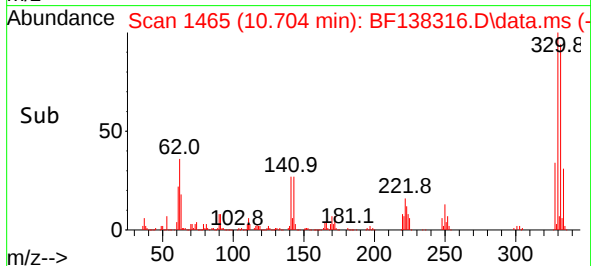
Instrument :
BNA_F
ClientSampleId :
BKG-2



Tgt Ion: 330 Resp: 251697
Ion Ratio Lower Upper
330 100
332 95.9 76.6 115.0
141 29.2 23.9 35.9

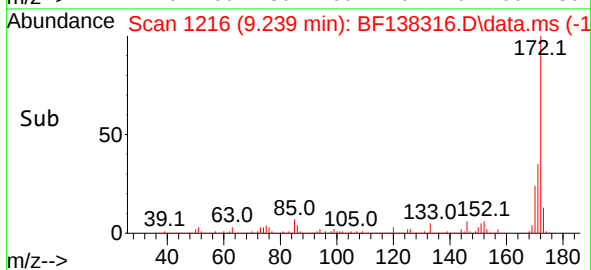
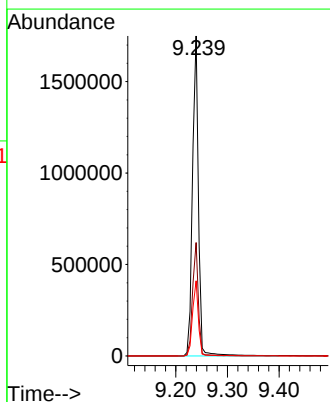
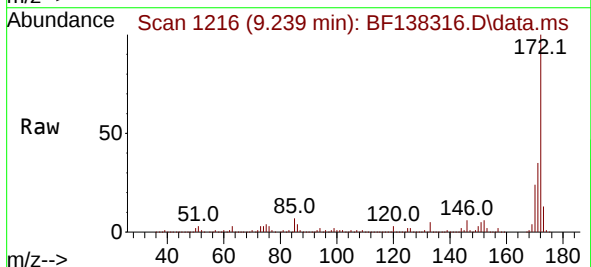
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#45
2-Fluorobiphenyl
Concen: 61.355 ng
RT: 9.239 min Scan# 1216
Delta R.T. -0.012 min
Lab File: BF138316.D
Acq: 24 Jun 2024 18:13

Tgt Ion: 172 Resp: 1399990
Ion Ratio Lower Upper
172 100
171 35.4 30.3 45.5
170 23.5 20.6 30.8





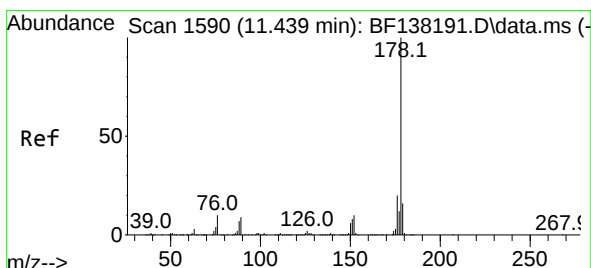
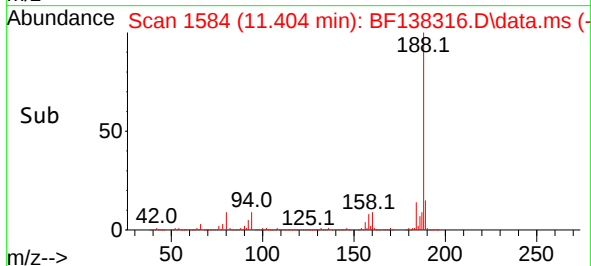
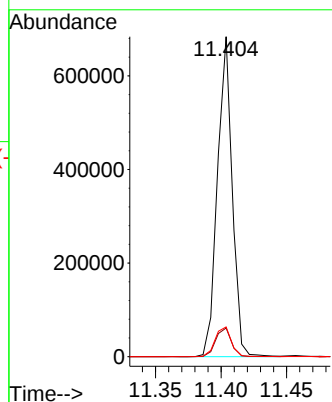
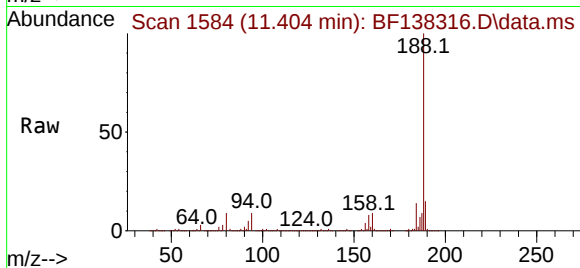
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138316.D
Acq: 24 Jun 2024 18:13

Instrument :
BNA_F
ClientSampleId :
BKG-2

Tgt Ion:188 Resp: 535968
Ion Ratio Lower Upper
188 100
94 8.9 7.6 11.4
80 9.3 8.1 12.1

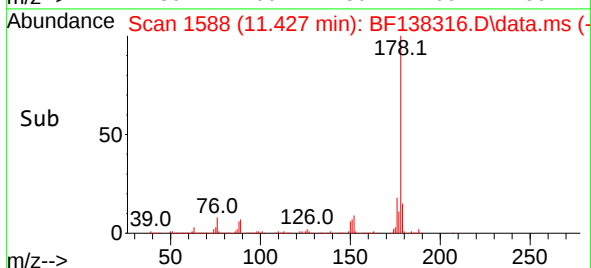
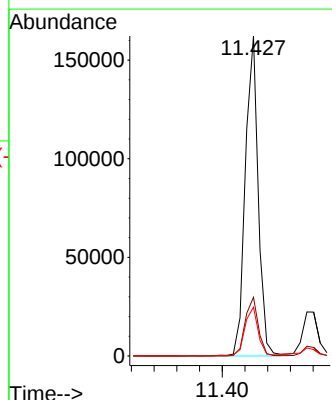
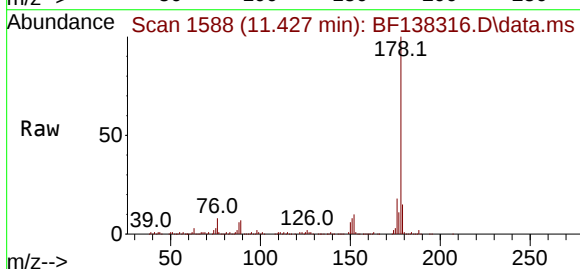
Manual Integrations
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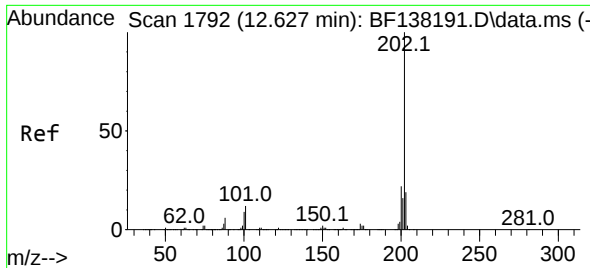
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024



#71
Phenanthrene
Concen: 4.813 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.012 min
Lab File: BF138316.D
Acq: 24 Jun 2024 18:13

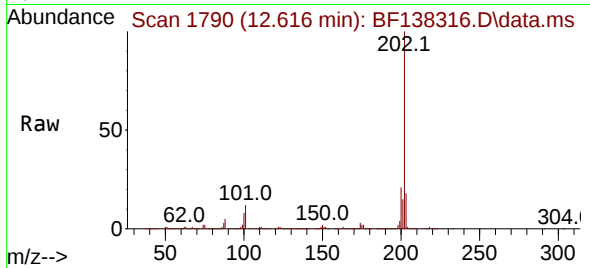
Tgt Ion:178 Resp: 127568
Ion Ratio Lower Upper
178 100
176 18.4 16.4 24.6
179 15.3 13.1 19.7





#75
Fluoranthene
Concen: 15.972 ng
RT: 12.616 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138316.D
Acq: 24 Jun 2024 18:13

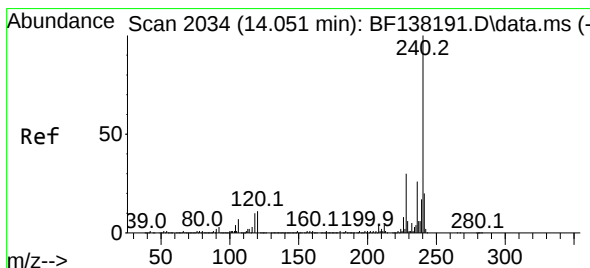
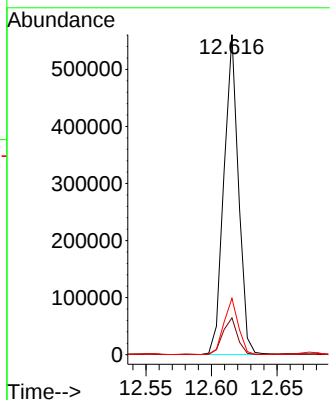
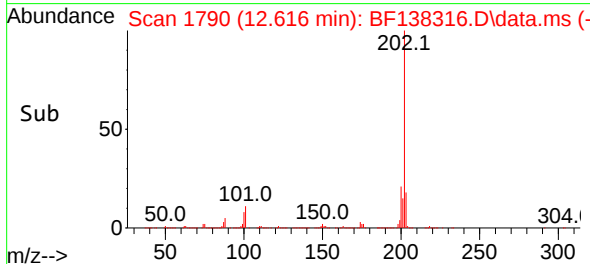
Instrument :
BNA_F
ClientSampleId :
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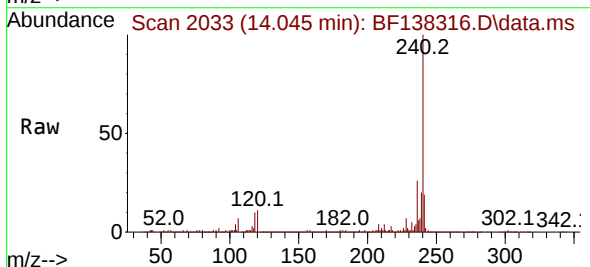
Tgt Ion:202 Resp: 431700
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.8
203 17.6 0.0 38.6

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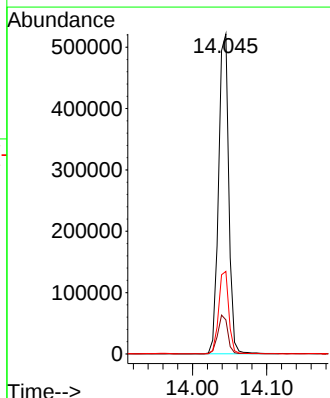
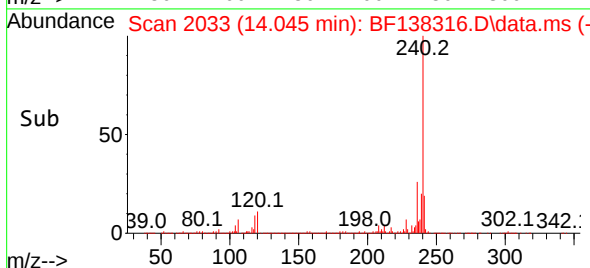
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024

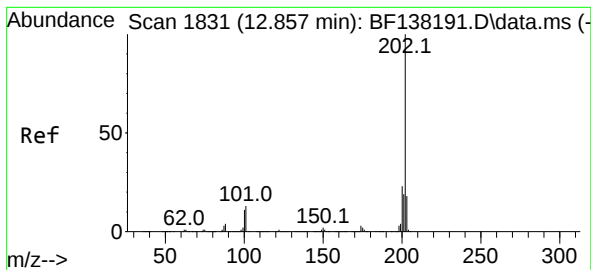


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF138316.D
Acq: 24 Jun 2024 18:13



Tgt Ion:240 Resp: 496659
Ion Ratio Lower Upper
240 100
120 10.6 9.2 13.8
236 25.8 21.0 31.6





#78

Pyrene

Concen: 9.321 ng

RT: 12.845 min Scan# 1829

Delta R.T. -0.012 min

Lab File: BF138316.D

Acq: 24 Jun 2024 18:13

Instrument :

BNA_F

ClientSampleId :

BKG-2

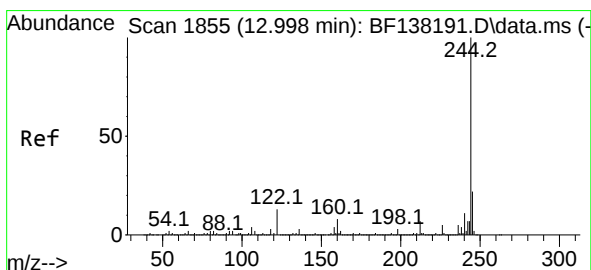
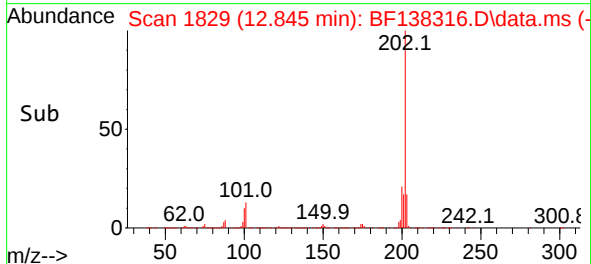
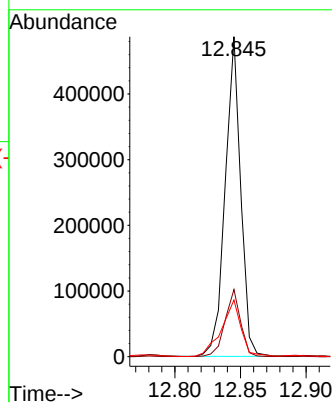
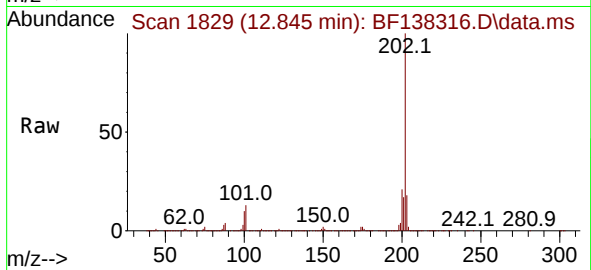
Tgt Ion:202 Resp: 399300
 Ion Ratio Lower Upper
 202 100
 200 21.0 18.0 27.0
 203 17.7 14.7 22.1

Manual Integrations

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#79

Terphenyl-d14

Concen: 45.343 ng

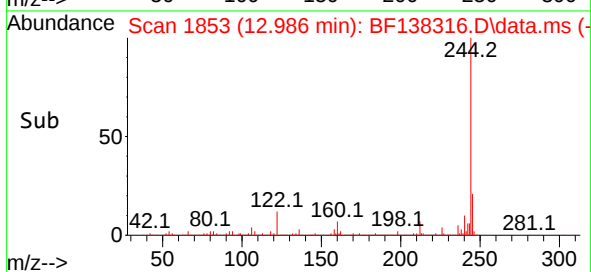
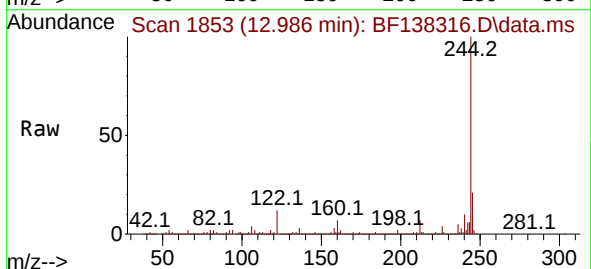
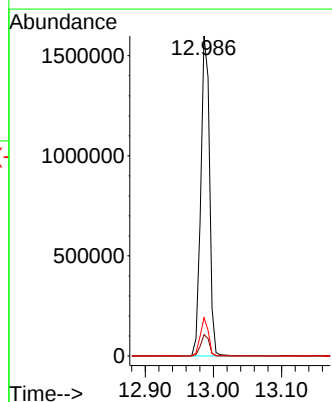
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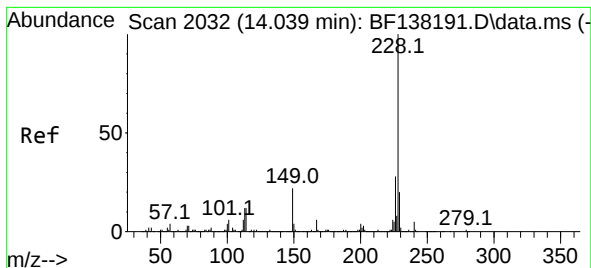
Delta R.T. -0.012 min

Lab File: BF138316.D

Acq: 24 Jun 2024 18:13

Tgt Ion:244 Resp: 1421884
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.9 8.9
 122 12.0 10.6 15.8





#81

Benzo(a)anthracene

Concen: 6.306 ng

RT: 14.033 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF138316.D

Acq: 24 Jun 2024 18:13

Instrument :

BNA_F

ClientSampleId :

BKG-2

Tgt Ion:228 Resp: 20093

Ion Ratio Lower Upper

228 100

226 29.4 22.5 33.7

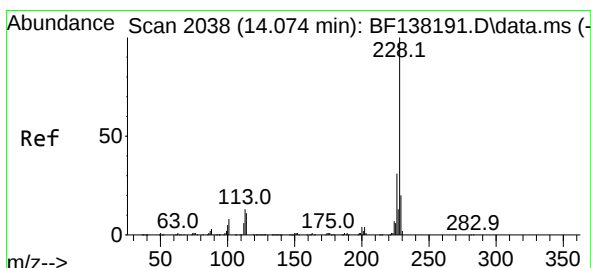
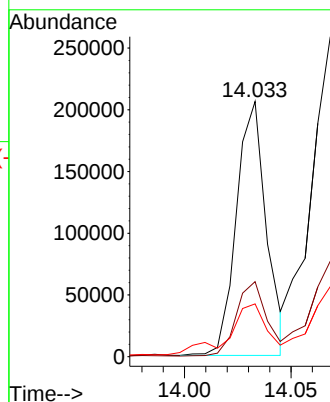
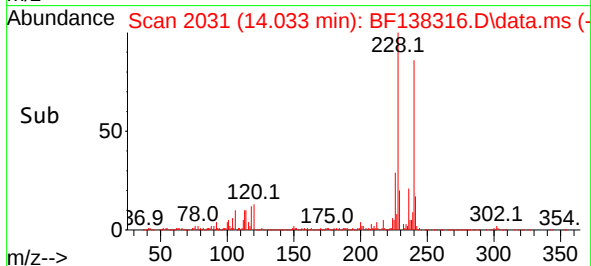
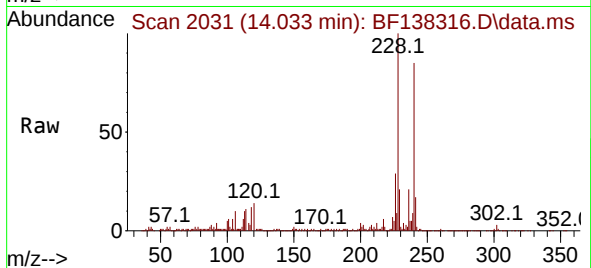
229 20.7 16.3 24.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/25/2024

Supervised By :mohammad ahmed 06/26/2024



#83

Chrysene

Concen: 8.217 ng

RT: 14.068 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF138316.D

Acq: 24 Jun 2024 18:13

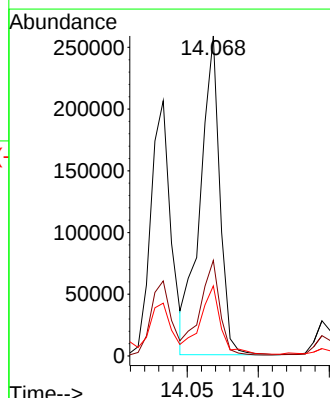
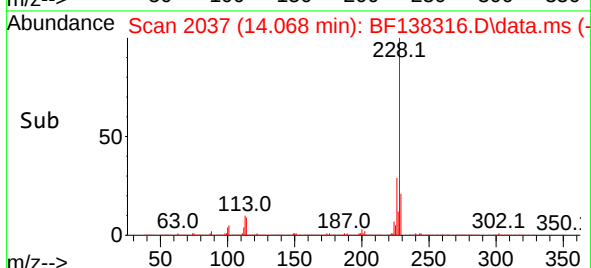
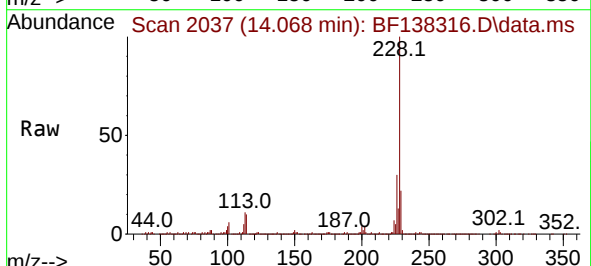
Tgt Ion:228 Resp: 249566

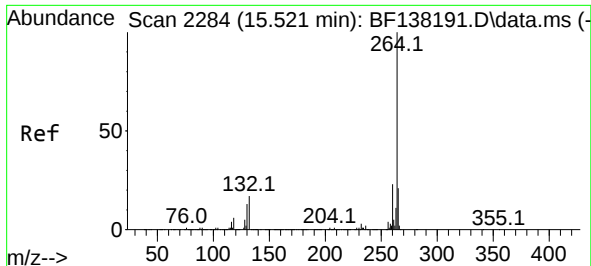
Ion Ratio Lower Upper

228 100

226 29.8 24.5 36.7

229 21.9 16.3 24.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.515 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF138316.D
Acq: 24 Jun 2024 18:13

Instrument :

BNA_F

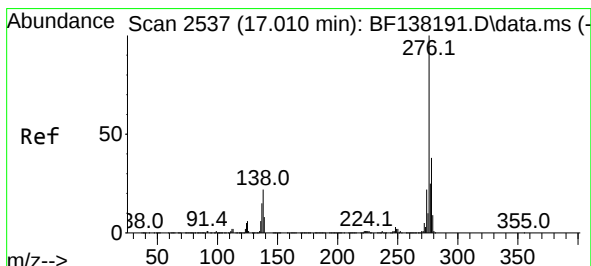
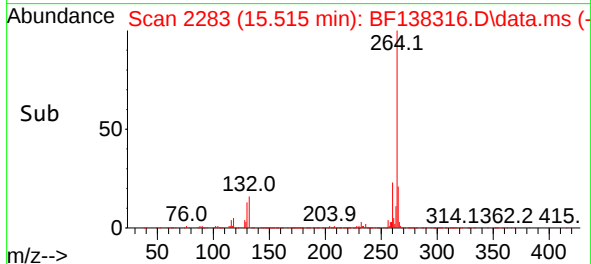
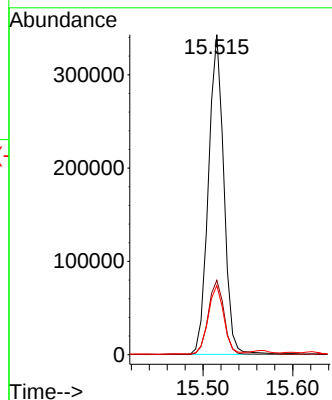
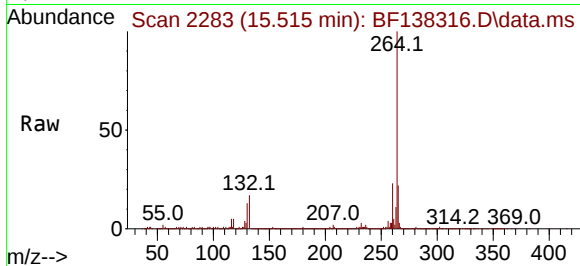
ClientSampleId :

BKG-2

Tgt Ion:264 Resp: 407209
Ion Ratio Lower Upper
264 100
260 23.2 18.7 28.1
265 21.6 17.0 25.6

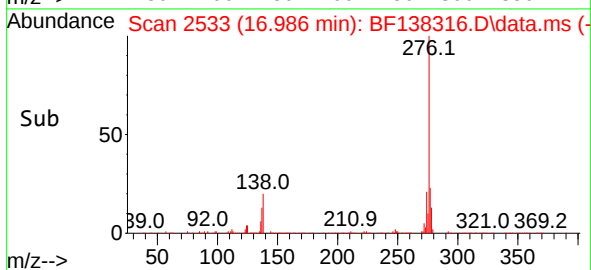
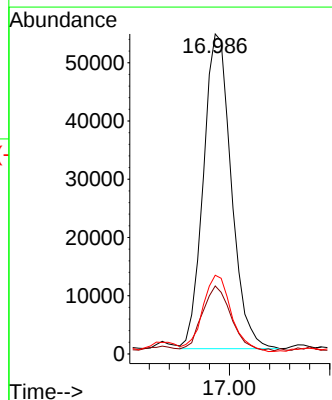
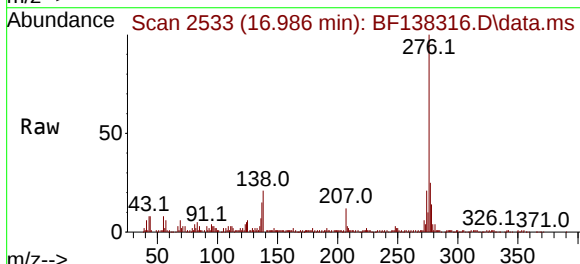
Manual Integrations
APPROVED

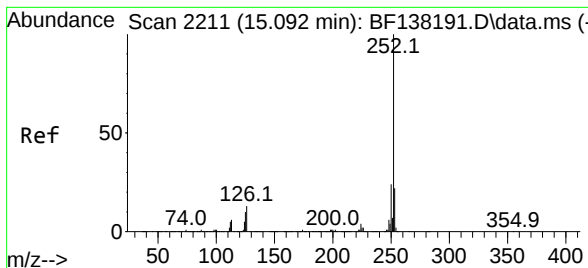
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.933 ng
RT: 16.986 min Scan# 2533
Delta R.T. -0.024 min
Lab File: BF138316.D
Acq: 24 Jun 2024 18:13

Tgt Ion:276 Resp: 104419
Ion Ratio Lower Upper
276 100
138 21.3 19.3 28.9
277 24.9 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 13.039 ng m

RT: 15.080 min Scan# 2110

Delta R.T. -0.012 min

Lab File: BF138316.D

Acq: 24 Jun 2024 18:13

Instrument :

BNA_F

ClientSampleId :

BKG-2

Tgt Ion:252 Resp: 313110

Ion Ratio Lower Upper

252 100

253 23.2 17.7 26.5

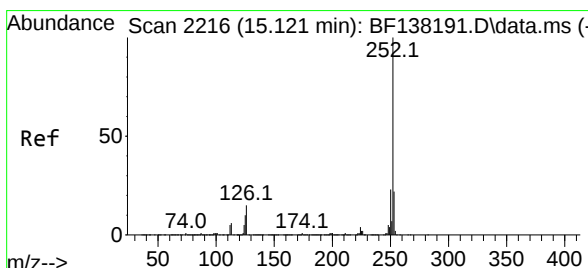
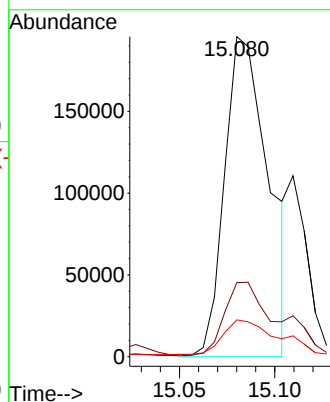
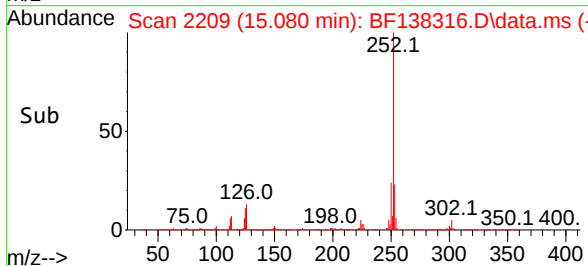
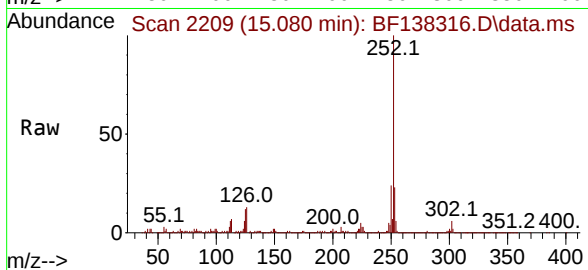
125 11.5 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/25/2024

Supervised By :mohammad ahmed 06/26/2024



#89

Benzo(k)fluoranthene

Concen: 3.445 ng m

RT: 15.110 min Scan# 2214

Delta R.T. -0.012 min

Lab File: BF138316.D

Acq: 24 Jun 2024 18:13

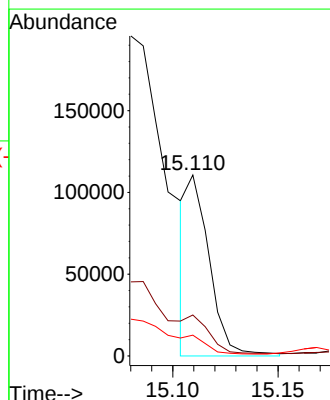
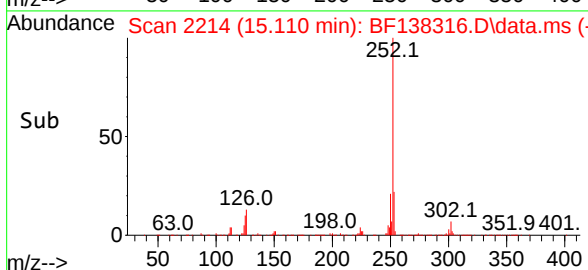
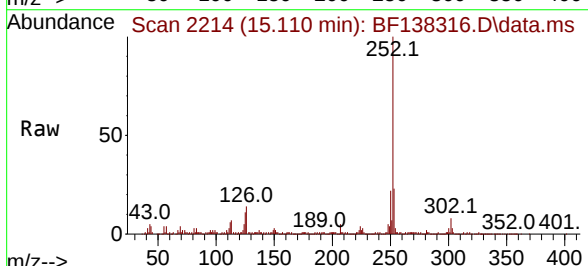
Tgt Ion:252 Resp: 81079

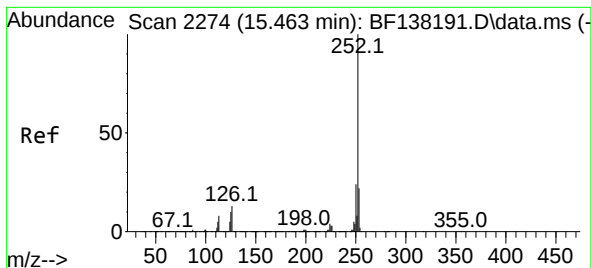
Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.8

125 11.5 8.0 12.0





#90

Benzo(a)pyrene

Concen: 8.399 ng

RT: 15.451 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF138316.D

Acq: 24 Jun 2024 18:13

Instrument :

BNA_F

ClientSampleId :

BKG-2

Tgt Ion:252 Resp: 173270

Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

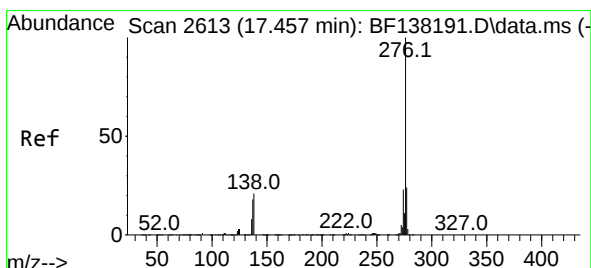
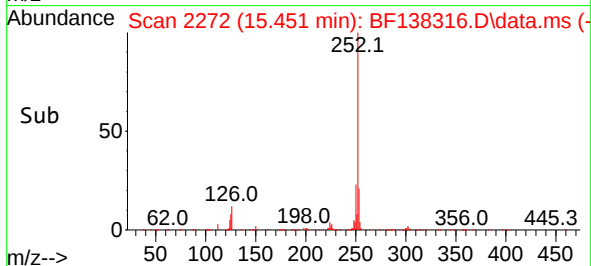
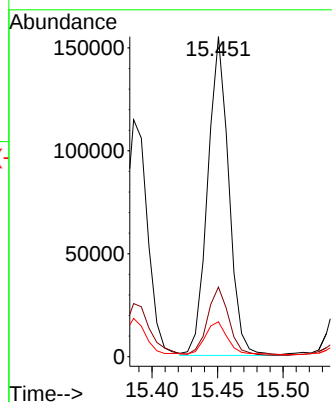
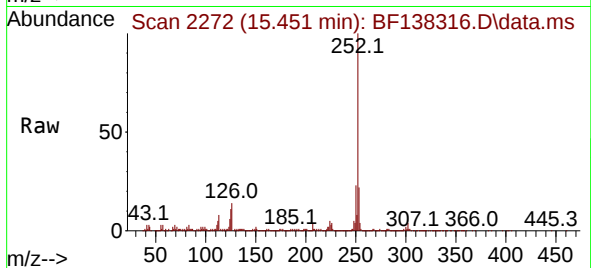
125 10.9 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/25/2024

Supervised By :mohammad ahmed 06/26/2024



#92

Benzo(g,h,i)perylene

Concen: 4.670 ng

RT: 17.439 min Scan# 2610

Delta R.T. -0.018 min

Lab File: BF138316.D

Acq: 24 Jun 2024 18:13

Tgt Ion:276 Resp: 105273

Ion Ratio Lower Upper

276 100

277 23.6 19.5 29.3

138 18.5 16.6 24.8

