

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061924\
 Data File : BF138252.D
 Acq On : 19 Jun 2024 18:29
 Operator : CG\JU
 Sample : P2943-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11978

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/20/2024
 Supervised By :mohammad ahmed 06/21/2024

Quant Time: Jun 19 18:50:34 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	292176	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	1085191	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	501043	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	712243	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	508471	20.000	ng	-0.01
86) Perylene-d12	15.515	264	447760	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1391745	79.683	ng	0.00
7) Phenol-d6	6.510	99	1667087	75.272	ng	-0.01
23) Nitrobenzene-d5	7.445	82	1012032	54.292	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	348351	69.838	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1836288	58.278	ng	-0.01
79) Terphenyl-d14	12.986	244	1583642	49.329	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.428	178	158099	4.489	ng	98
75) Fluoranthene	12.616	202	410333	11.424	ng	97
78) Pyrene	12.845	202	420323	9.584	ng	98
81) Benzo(a)anthracene	14.027	228	225873	6.924	ng	98
83) Chrysene	14.063	228	238209	7.661	ng	98
87) Indeno(1,2,3-cd)pyrene	16.980	276	91921	3.149	ng	95
88) Benzo(b)fluoranthene	15.080	252	260712m	9.874	ng	
89) Benzo(k)fluoranthene	15.104	252	93497m	3.613	ng	
90) Benzo(a)pyrene	15.445	252	151965	6.699	ng	# 96
92) Benzo(g,h,i)perylene	17.427	276	89729	3.620	ng	99

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

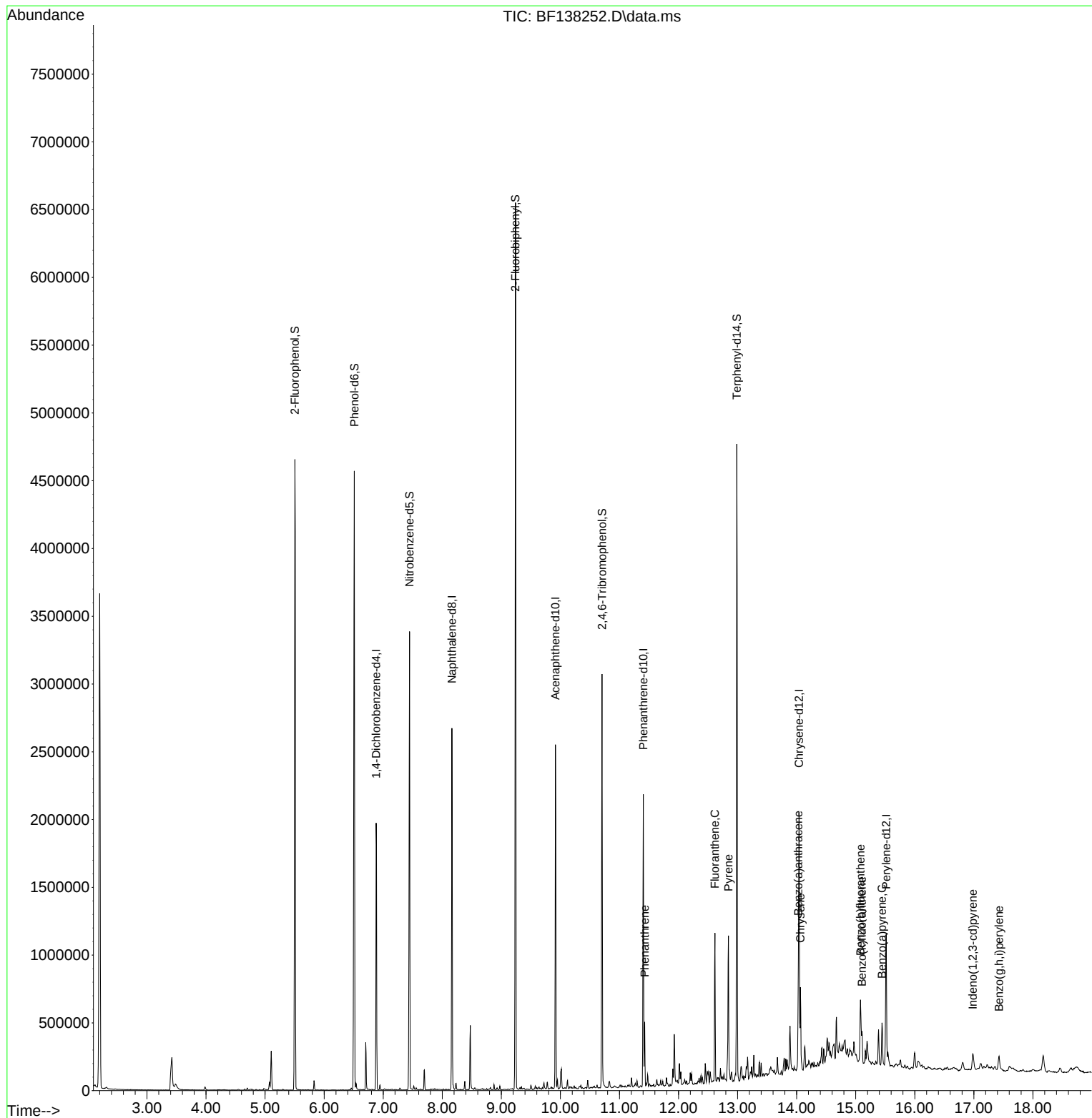
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061924\
Data File : BF138252.D
Acq On : 19 Jun 2024 18:29
Operator : CG\JU
Sample : P2943-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

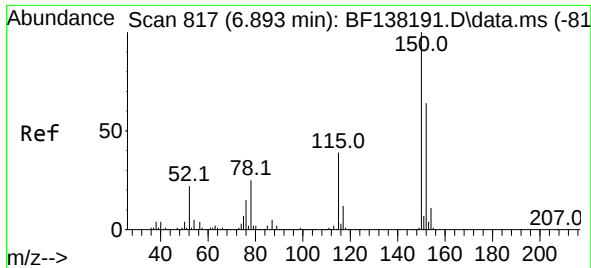
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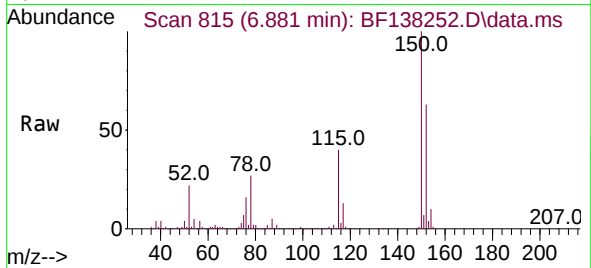
Quant Time: Jun 19 18:50:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 01:52:47 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 817
Delta R.T. -0.012 min
Lab File: BF138252.D
Acq: 19 Jun 2024 18:29

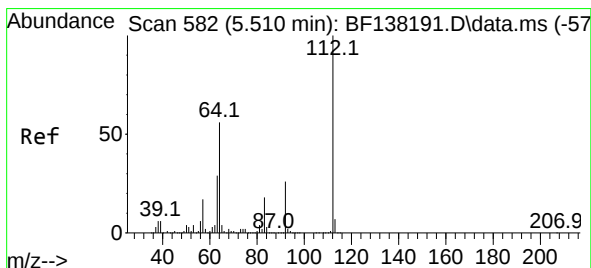
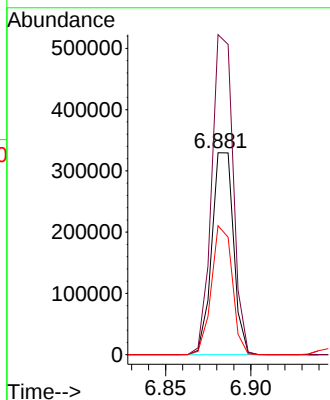
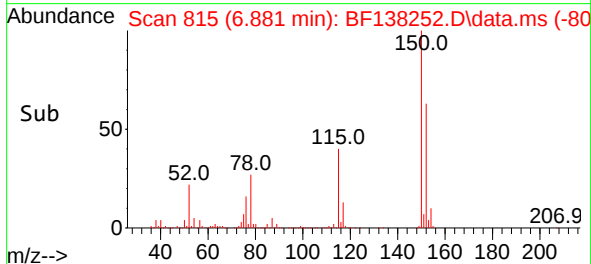
Instrument :
BNA_F
ClientSampleId :
72-11978



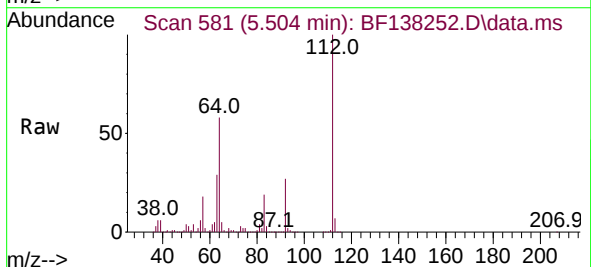
Tgt Ion:152 Resp: 292170
Ion Ratio Lower Upper
152 100
150 158.5 125.0 187.4
115 63.9 48.4 72.6

Manual Integrations
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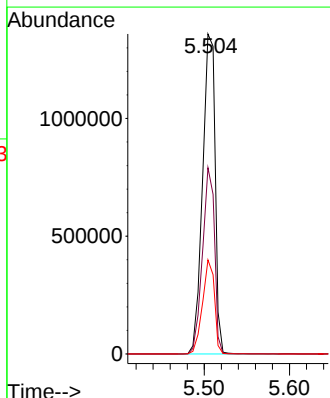
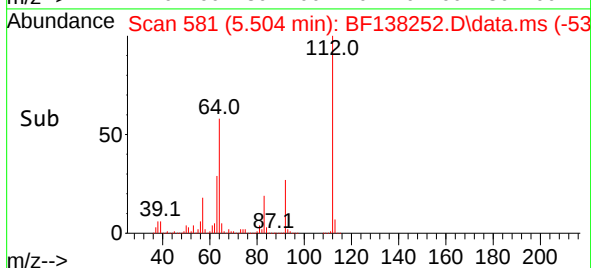
Reviewed By :Jagrut Upadhyay 06/20/2024
Supervised By :mohammad ahmed 06/21/2024



#5
2-Fluorophenol
Concen: 79.683 ng
RT: 5.504 min Scan# 581
Delta R.T. -0.006 min
Lab File: BF138252.D
Acq: 19 Jun 2024 18:29



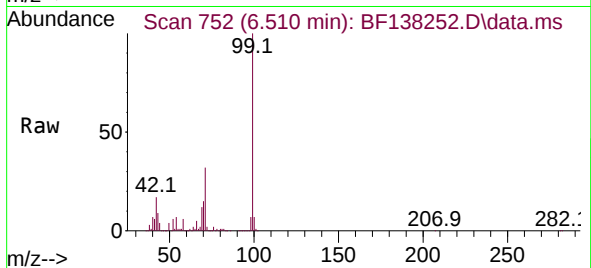
Tgt Ion:112 Resp: 1391745
Ion Ratio Lower Upper
112 100
64 58.2 45.2 67.8
63 29.4 22.9 34.3





#7
Phenol-d6
Concen: 75.272 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF138252.D
Acq: 19 Jun 2024 18:29

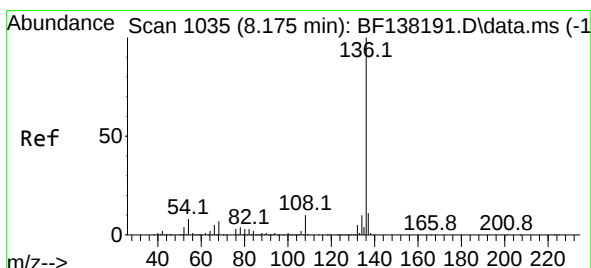
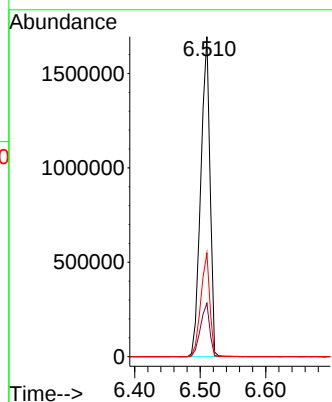
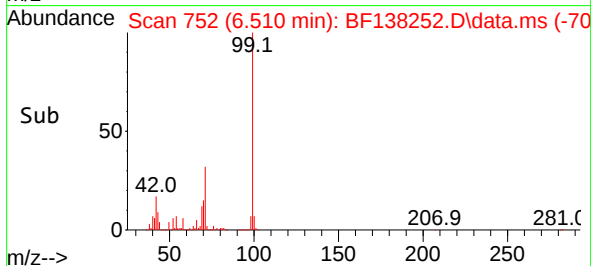
Instrument :
BNA_F
ClientSampleId :
72-11978



Tgt Ion: 99 Resp: 166708
Ion Ratio Lower Upper
99 100
42 16.7 13.7 20.5
71 32.4 25.0 37.6

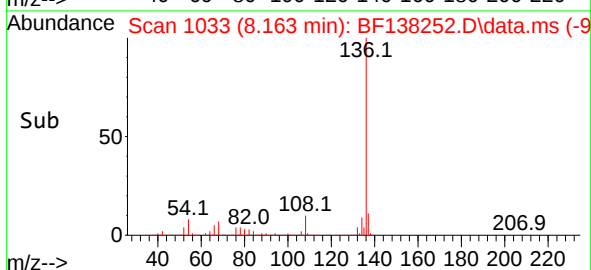
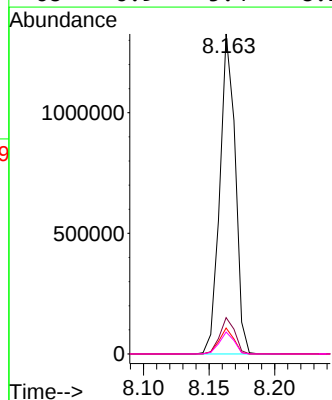
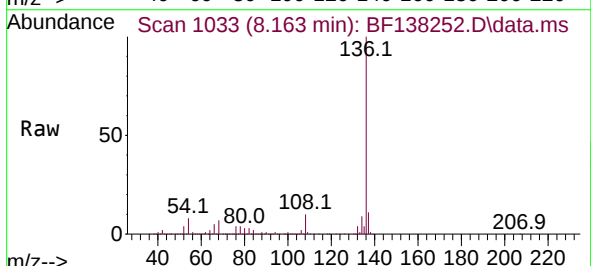
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Supervised By :mohammad ahmed 06/21/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1033
Delta R.T. -0.012 min
Lab File: BF138252.D
Acq: 19 Jun 2024 18:29

Tgt Ion:136 Resp: 1085191
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 8.1 6.6 10.0
68 6.9 5.4 8.2





#23

Nitrobenzene-d5

Concen: 54.292 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.012 min

Lab File: BF138252.D

Acq: 19 Jun 2024 18:29

Instrument :

BNA_F

ClientSampleId :

72-11978

Tgt Ion: 82 Resp: 101203

Ion Ratio Lower Upper

82 100

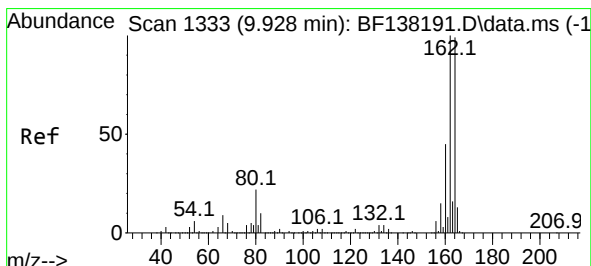
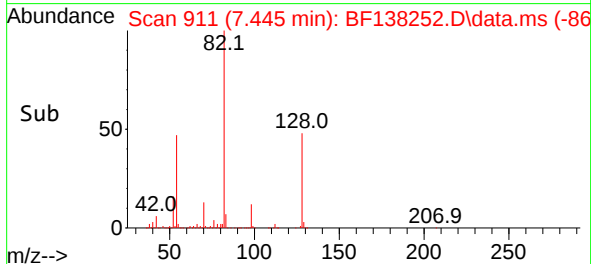
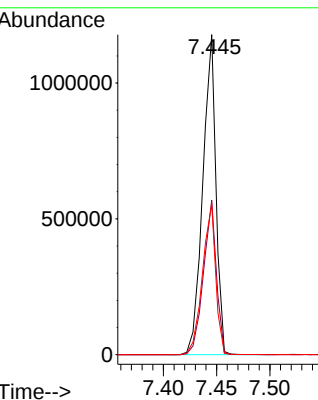
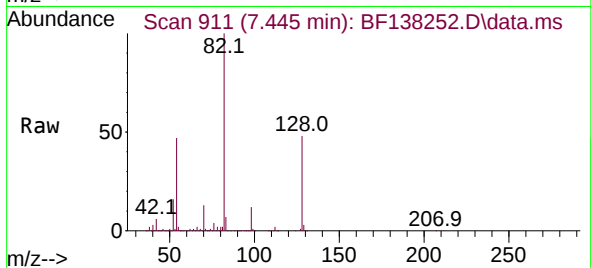
128 48.2 37.2 55.8

54 47.1 39.8 59.6

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Supervised By :mohammad ahmed 06/21/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1331

Delta R.T. -0.012 min

Lab File: BF138252.D

Acq: 19 Jun 2024 18:29

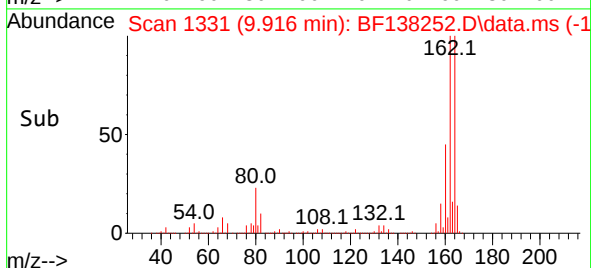
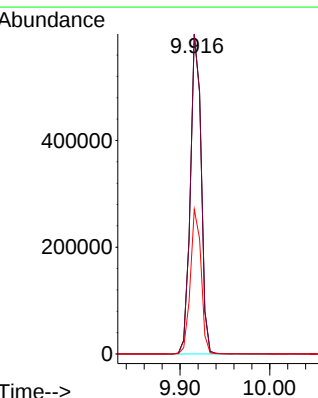
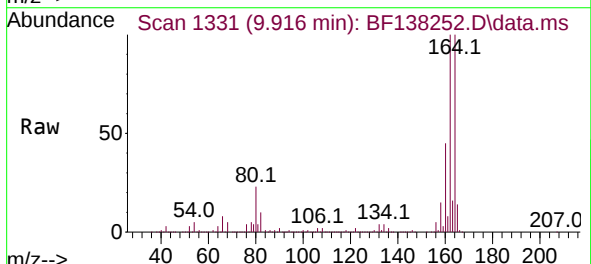
Tgt Ion:164 Resp: 501043

Ion Ratio Lower Upper

164 100

162 100.2 80.6 121.0

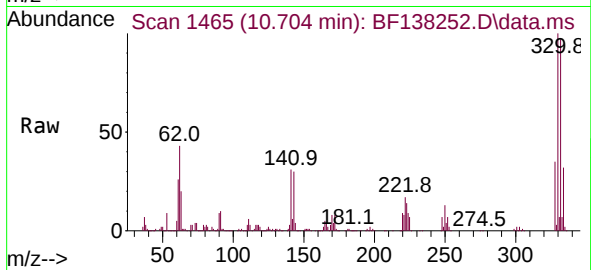
160 45.3 36.3 54.5





#42
2,4,6-Tribromophenol
Concen: 69.838 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.012 min
Lab File: BF138252.D
Acq: 19 Jun 2024 18:29

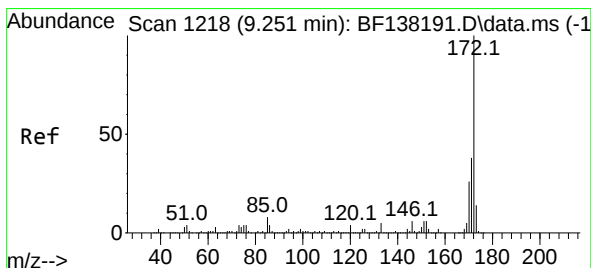
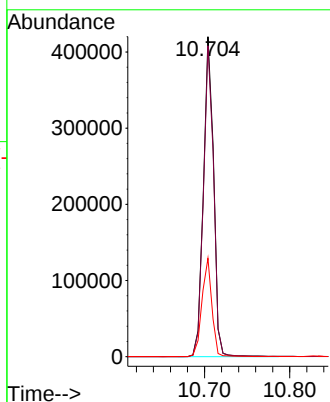
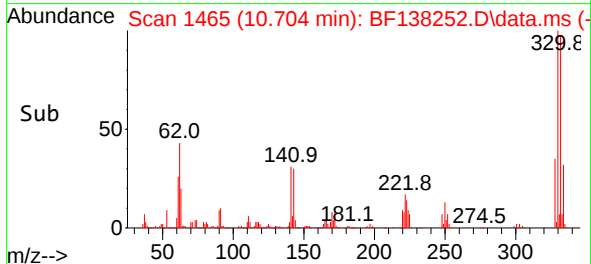
Instrument :
BNA_F
ClientSampleId :
72-11978



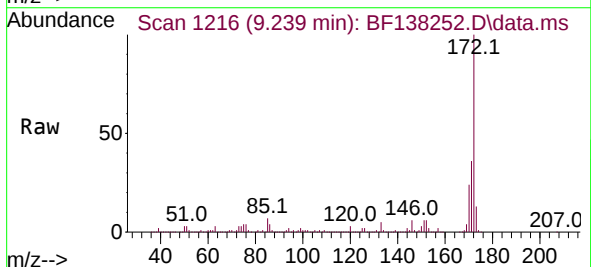
Tgt Ion: 330 Resp: 34835
Ion Ratio Lower Upper
330 100
332 97.3 76.6 115.0
141 30.0 23.9 35.9

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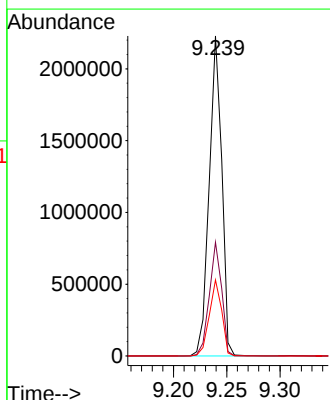
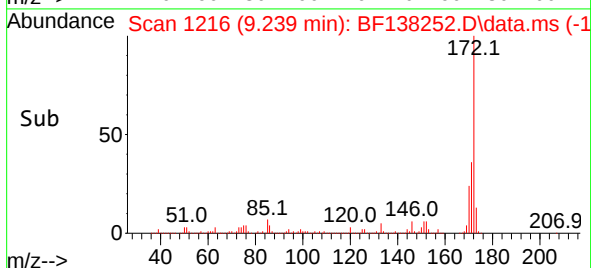
Reviewed By : Jagrut Upadhyay 06/20/2024
Supervised By : mohammad ahmed 06/21/2024

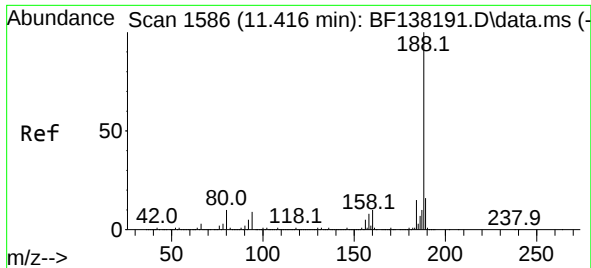


#45
2-Fluorobiphenyl
Concen: 58.278 ng
RT: 9.239 min Scan# 1216
Delta R.T. -0.012 min
Lab File: BF138252.D
Acq: 19 Jun 2024 18:29



Tgt Ion: 172 Resp: 1836288
Ion Ratio Lower Upper
172 100
171 35.6 30.3 45.5
170 23.8 20.6 30.8





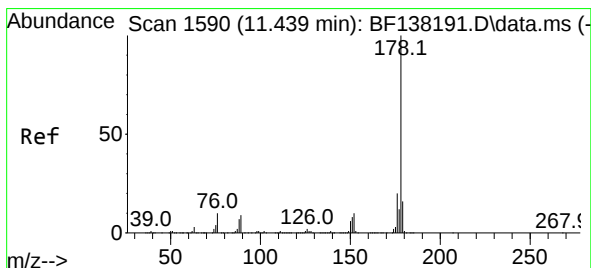
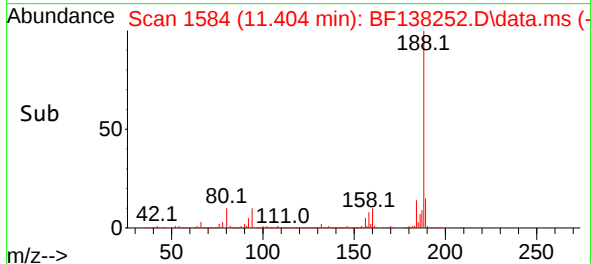
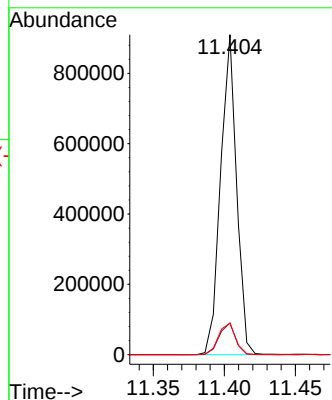
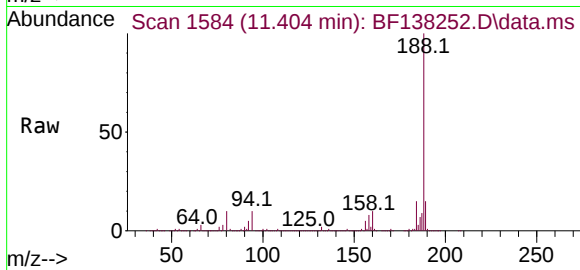
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138252.D
Acq: 19 Jun 2024 18:29

Instrument :
BNA_F
ClientSampleId :
72-11978

Tgt Ion:188 Resp: 71224
Ion Ratio Lower Upper
188 100
94 9.9 7.6 11.4
80 9.9 8.1 12.1

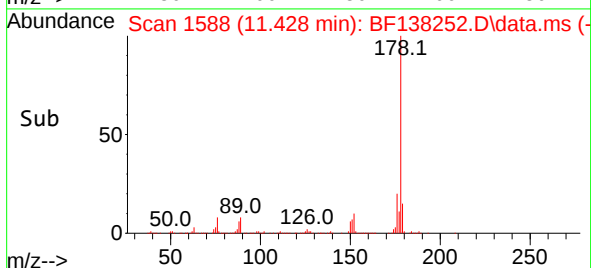
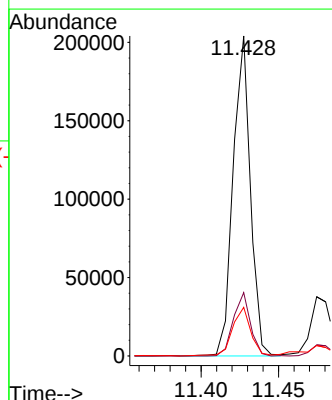
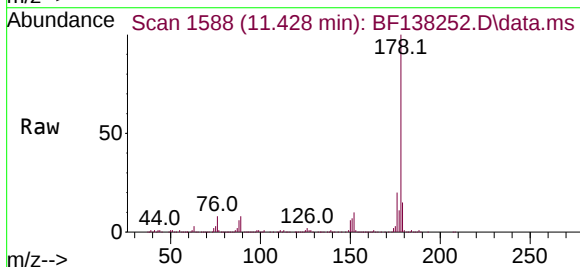
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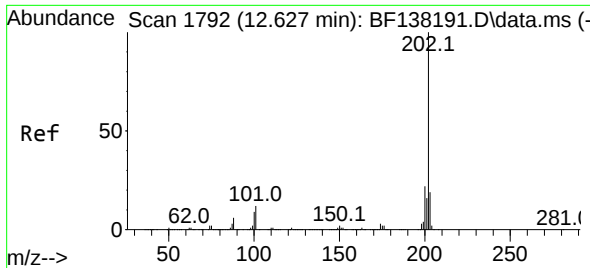
Reviewed By :Jagrut Upadhyay 06/20/2024
Supervised By :mohammad ahmed 06/21/2024



#71
Phenanthrene
Concen: 4.489 ng
RT: 11.428 min Scan# 1588
Delta R.T. -0.012 min
Lab File: BF138252.D
Acq: 19 Jun 2024 18:29

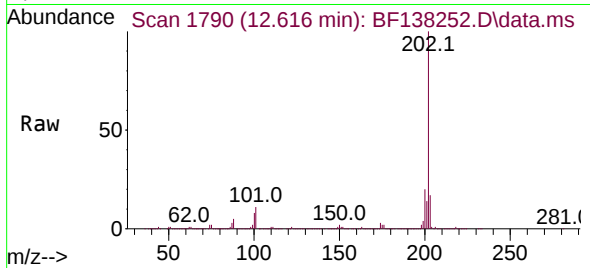
Tgt Ion:178 Resp: 158099
Ion Ratio Lower Upper
178 100
176 19.8 16.4 24.6
179 15.2 13.1 19.7





#75
Fluoranthene
Concen: 11.424 ng
RT: 12.616 min Scan# 1792
Delta R.T. -0.012 min
Lab File: BF138252.D
Acq: 19 Jun 2024 18:29

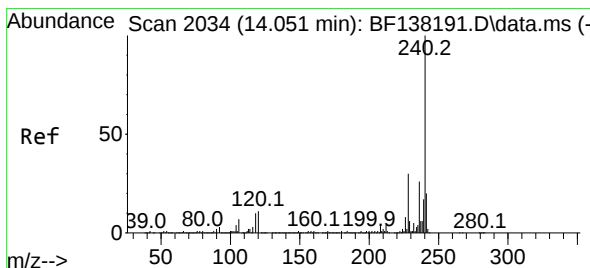
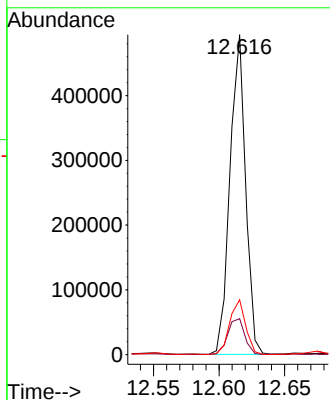
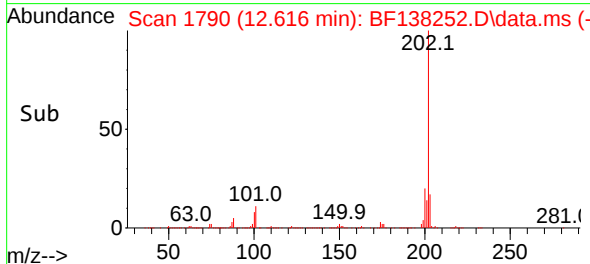
Instrument :
BNA_F
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72-11978



Tgt Ion:202 Resp: 41033
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.8
203 17.1 0.0 38.6

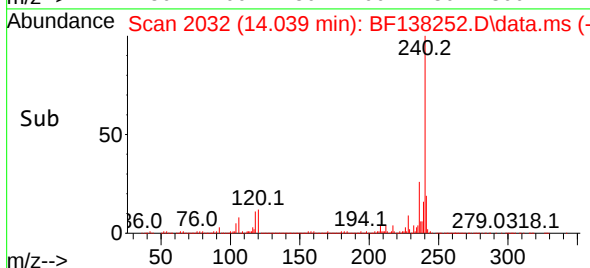
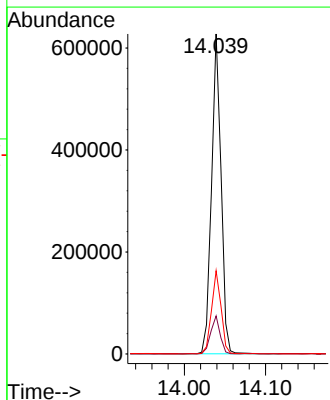
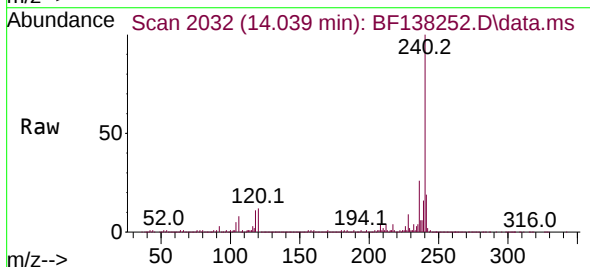
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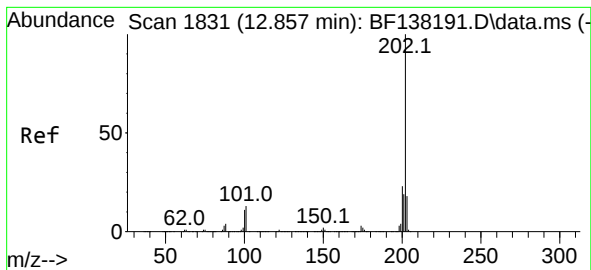
Reviewed By :Jagrut Upadhyay 06/20/2024
Supervised By :mohammad ahmed 06/21/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF138252.D
Acq: 19 Jun 2024 18:29

Tgt Ion:240 Resp: 508471
Ion Ratio Lower Upper
240 100
120 11.9 9.2 13.8
236 26.0 21.0 31.6





#78

Pyrene

Concen: 9.584 ng

RT: 12.845 min Scan# 1829

Delta R.T. -0.012 min

Lab File: BF138252.D

Acq: 19 Jun 2024 18:29

Instrument :

BNA_F

ClientSampleId :

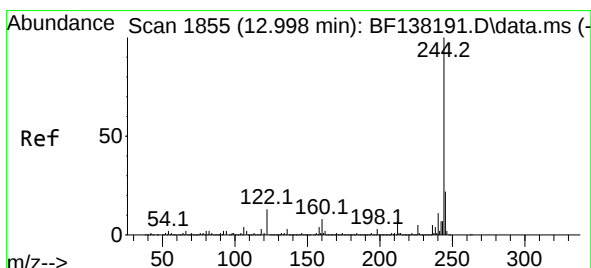
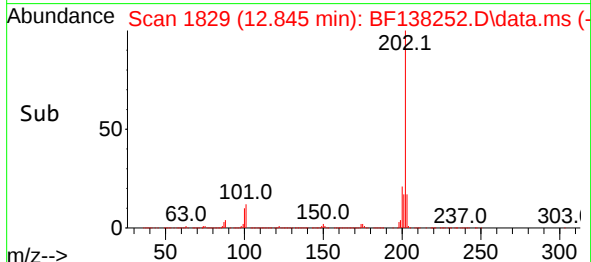
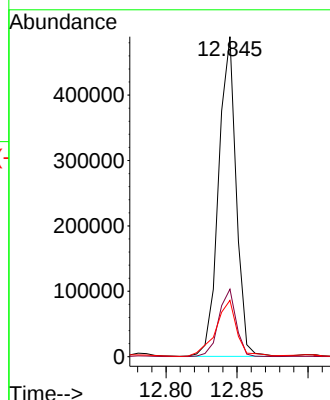
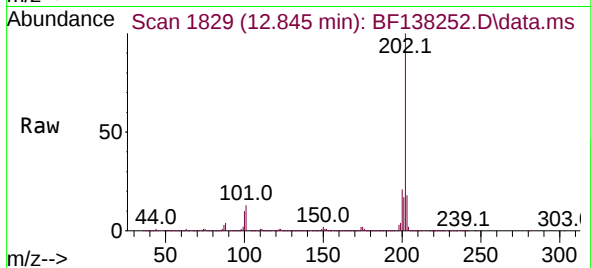
72-11978

Tgt Ion:202 Resp: 420320
 Ion Ratio Lower Upper
 202 100
 200 21.1 18.0 27.0
 203 17.6 14.7 22.1

Manual Integrations

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 Supervised By :mohammad ahmed 06/21/2024



#79

Terphenyl-d14

Concen: 49.329 ng

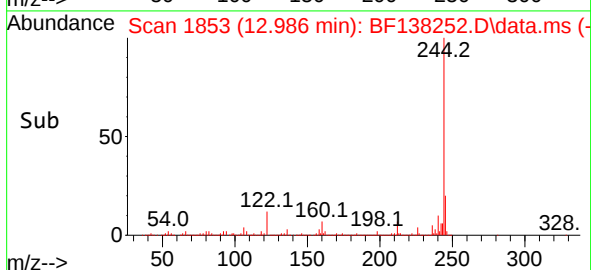
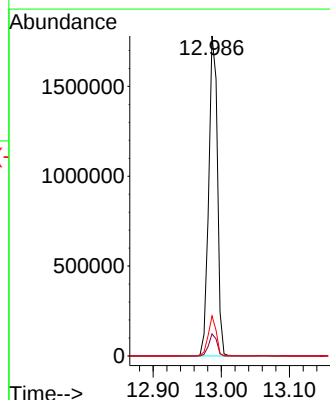
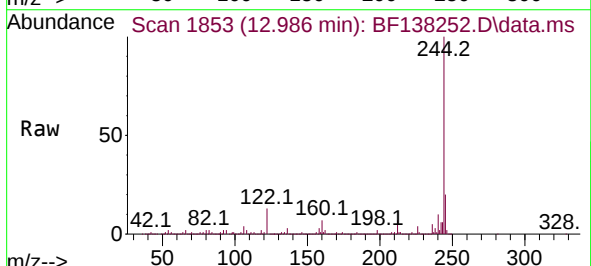
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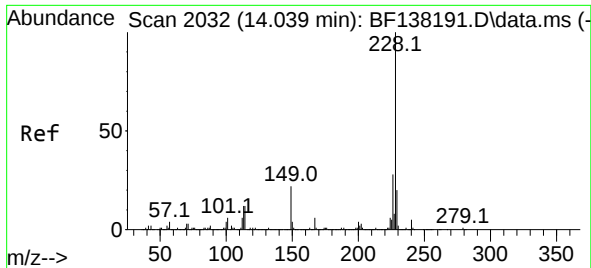
Delta R.T. -0.012 min

Lab File: BF138252.D

Acq: 19 Jun 2024 18:29

Tgt Ion:244 Resp: 1583642
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.9 8.9
 122 12.5 10.6 15.8





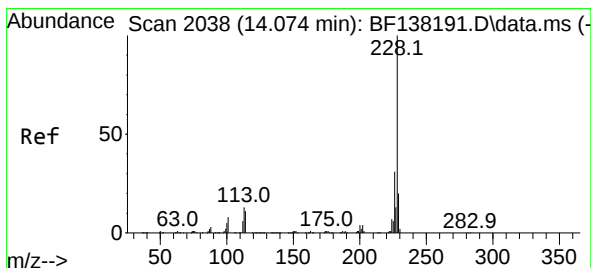
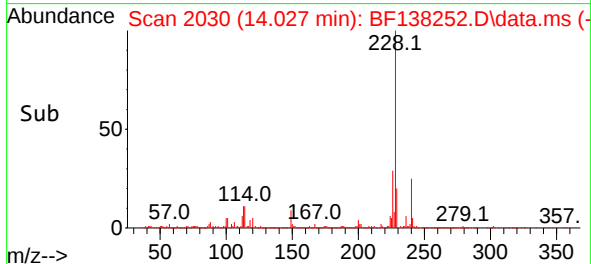
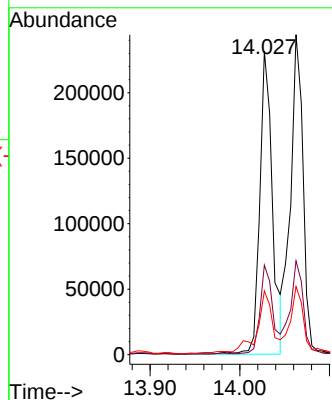
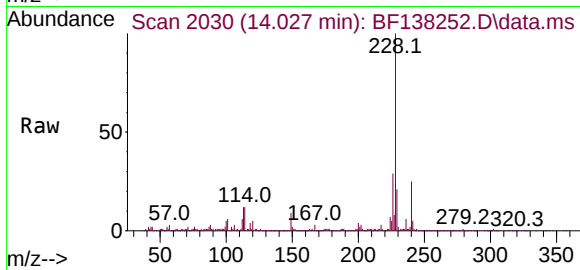
#81
Benzo(a)anthracene
Concen: 6.924 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF138252.D
Acq: 19 Jun 2024 18:29

Instrument :
BNA_F
ClientSampleId :
72-11978

Tgt Ion:228 Resp: 22587
Ion Ratio Lower Upper
228 100
226 29.5 22.5 33.7
229 21.0 16.3 24.5

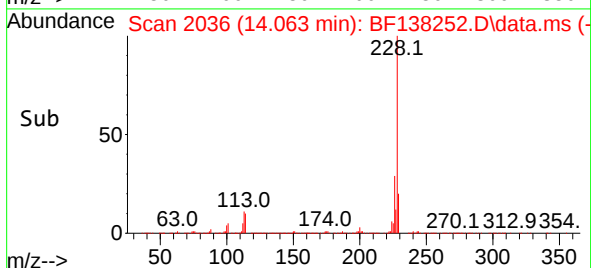
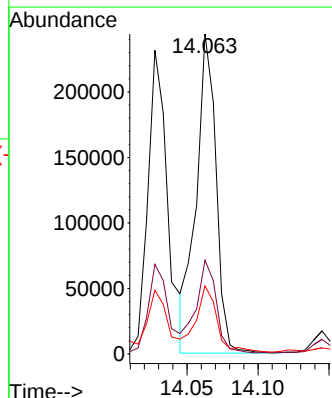
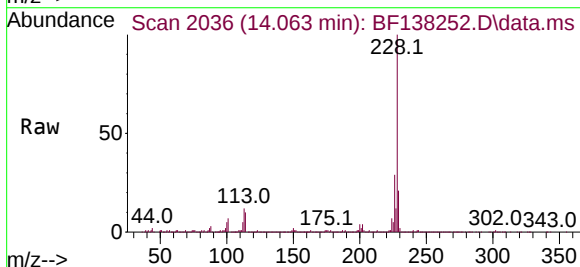
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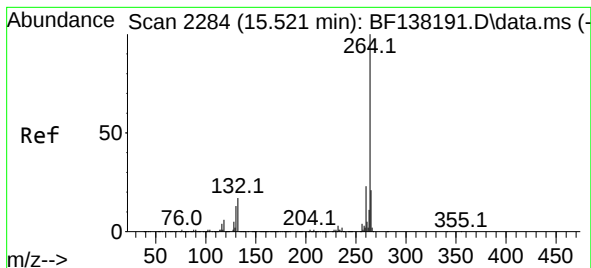
Reviewed By :Jagrut Upadhyay 06/20/2024
Supervised By :mohammad ahmed 06/21/2024



#83
Chrysene
Concen: 7.661 ng
RT: 14.063 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF138252.D
Acq: 19 Jun 2024 18:29

Tgt Ion:228 Resp: 238209
Ion Ratio Lower Upper
228 100
226 29.3 24.5 36.7
229 21.3 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: BF138252.D

Acq: 19 Jun 2024 18:29

Instrument :

BNA_F

ClientSampleId :

72-11978

Tgt Ion:264 Resp: 447760

Ion Ratio Lower Upper

264 100

260 23.8 18.7 28.1

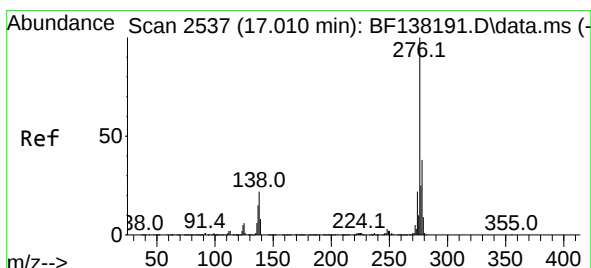
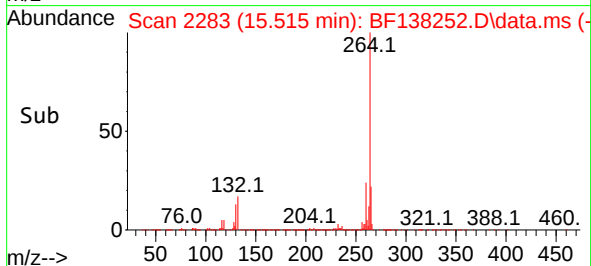
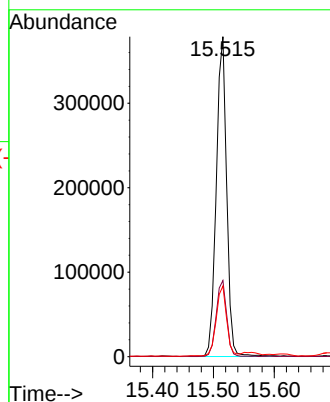
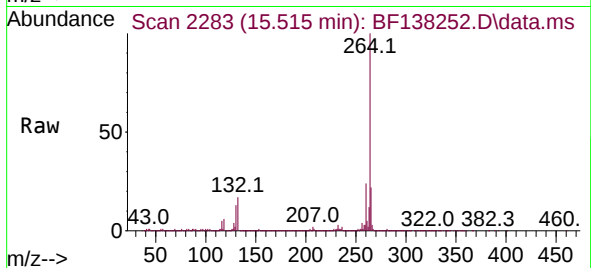
265 22.1 17.0 25.6

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Reviewed By :Jagrut Upadhyay 06/20/2024

Supervised By :mohammad ahmed 06/21/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.149 ng

RT: 16.980 min Scan# 2532

Delta R.T. -0.029 min

Lab File: BF138252.D

Acq: 19 Jun 2024 18:29

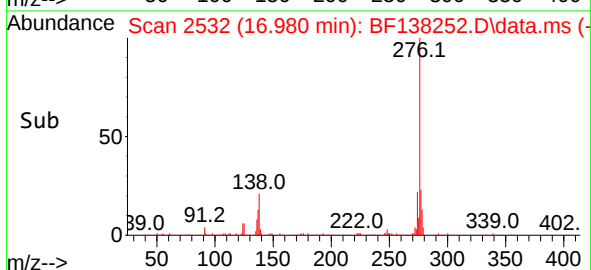
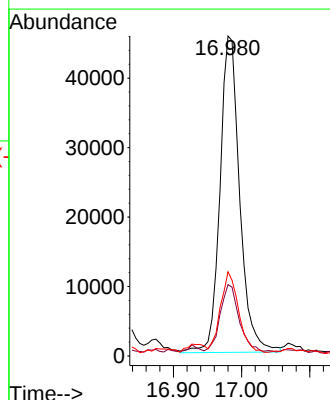
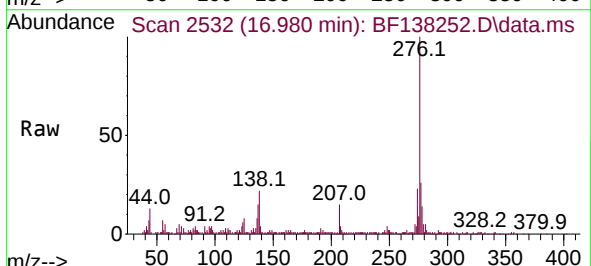
Tgt Ion:276 Resp: 91921

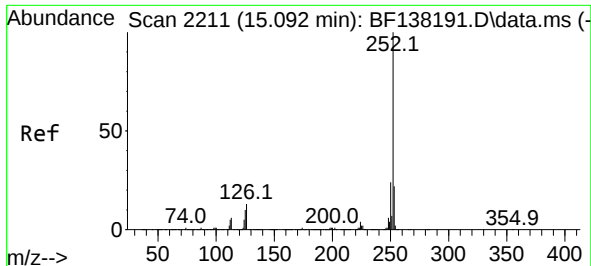
Ion Ratio Lower Upper

276 100

138 21.0 19.3 28.9

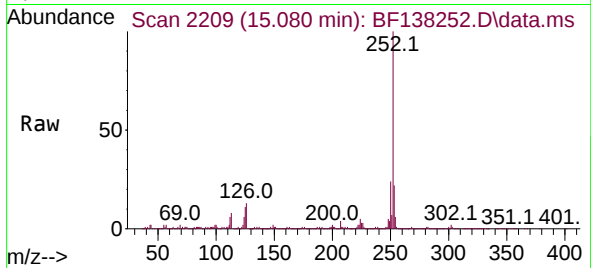
277 23.3 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 9.874 ng m
RT: 15.080 min Scan# 2113
Delta R.T. -0.012 min
Lab File: BF138252.D
Acq: 19 Jun 2024 18:29

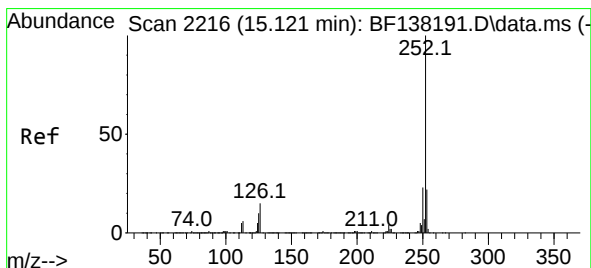
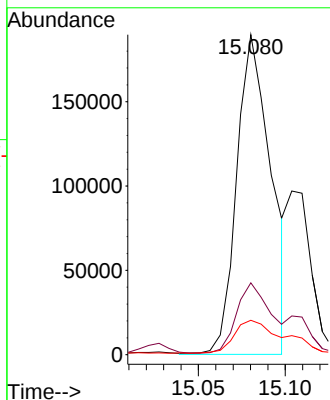
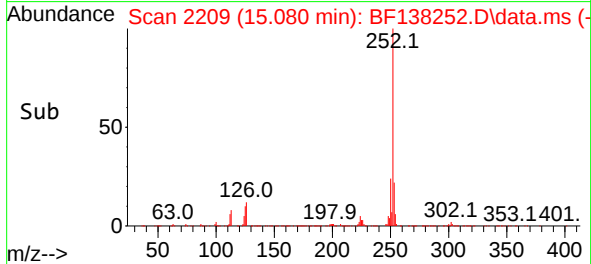
Instrument :
BNA_F
ClientSampleId :
72-11978



Tgt Ion:252 Resp: 26071
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 10.8 7.8 11.8

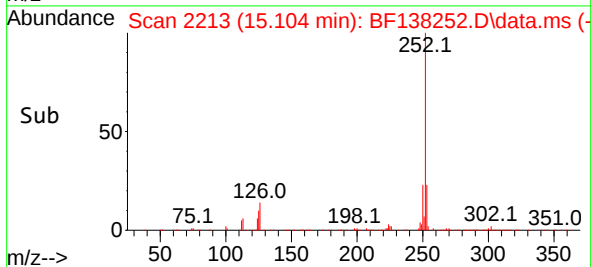
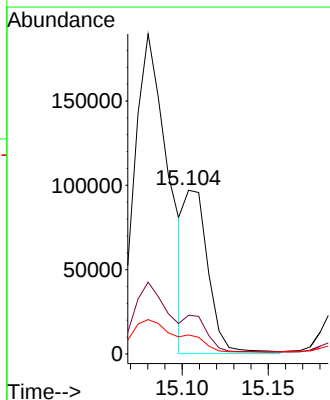
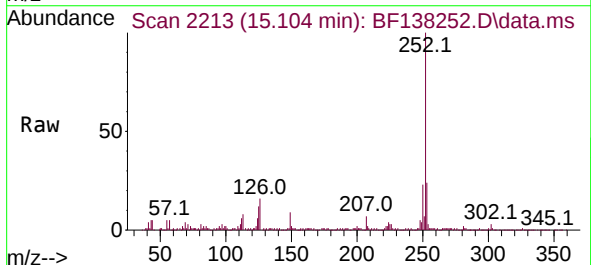
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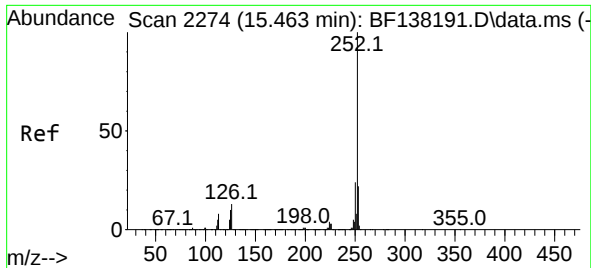
Reviewed By :Jagrut Upadhyay 06/20/2024
Supervised By :mohammad ahmed 06/21/2024



#89
Benzo(k)fluoranthene
Concen: 3.613 ng m
RT: 15.104 min Scan# 2213
Delta R.T. -0.018 min
Lab File: BF138252.D
Acq: 19 Jun 2024 18:29

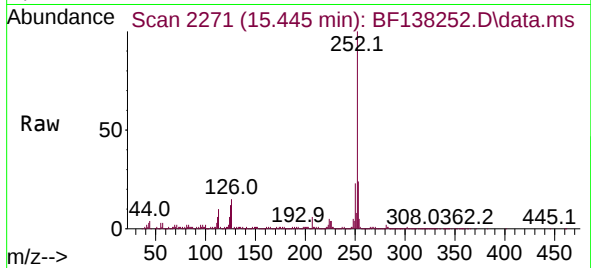
Tgt Ion:252 Resp: 93497
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.8
125 11.6 8.0 12.0





#90
Benzo(a)pyrene
Concen: 6.699 ng
RT: 15.445 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF138252.D
Acq: 19 Jun 2024 18:29

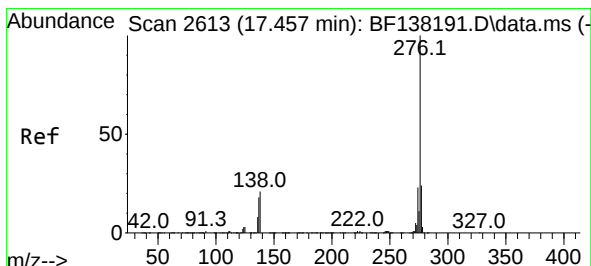
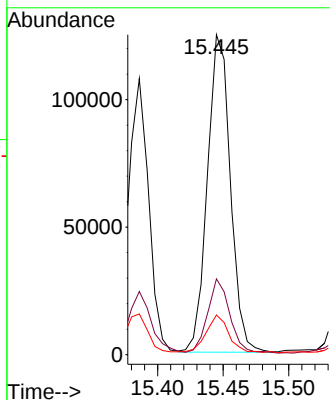
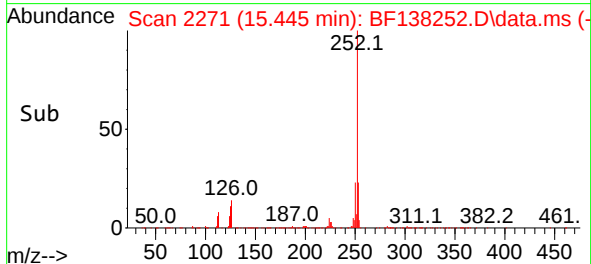
Instrument :
BNA_F
ClientSampleId :
72-11978



Tgt Ion:252 Resp: 15196
Ion Ratio Lower Upper
252 100
253 23.7 17.7 26.5
125 12.4 8.2 12.2

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Reviewed By :Jagrut Upadhyay 06/20/2024
Supervised By :mohammad ahmed 06/21/2024



#92
Benzo(g,h,i)perylene
Concen: 3.620 ng
RT: 17.427 min Scan# 2608
Delta R.T. -0.029 min
Lab File: BF138252.D
Acq: 19 Jun 2024 18:29

Tgt Ion:276 Resp: 89729
Ion Ratio Lower Upper
276 100
277 24.3 19.5 29.3
138 21.3 16.6 24.8

