

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
 Data File : BF135318.D
 Acq On : 18 Sep 2023 21:19
 Operator : CG\JU
 Sample : 04451-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/19/2023
 Supervised By :mohammad ahmed 09/19/2023

Quant Time: Sep 19 00:16:52 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	129222	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	491432	20.000	ng	-0.01
39) Acenaphthene-d10	9.792	164	243849	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	409739	20.000	ng	0.00
76) Chrysene-d12	13.939	240	210177	20.000	ng	0.00
86) Perylene-d12	15.404	264	267396	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	1192136	150.048	ng	0.02
7) Phenol-d6	6.404	99	1511734	149.638	ng	0.00
23) Nitrobenzene-d5	7.322	82	985888	108.993	ng	-0.01
42) 2,4,6-Tribromophenol	10.592	330	334193	137.910	ng	0.00
45) 2-Fluorobiphenyl	9.116	172	1636972	101.281	ng	-0.01
79) Terphenyl-d14	12.886	244	1140443	84.115	ng	0.00
Target Compounds						Qvalue
14) 1,2-Dichlorobenzene	6.922	146	16609	2.039	ng	99
52) Acenaphthene	9.822	154	49405	3.701	ng	98
58) Fluorene	10.339	166	47303	3.021	ng	97
71) Phenanthrene	11.310	178	561710	28.986	ng	100
72) Anthracene	11.357	178	149659	7.513	ng	98
73) Carbazole	11.522	167	50448	2.782	ng	98
75) Fluoranthene	12.504	202	582306	28.838	ng	99
78) Pyrene	12.733	202	476641	23.820	ng	99
81) Benzo(a)anthracene	13.927	228	233878	17.233	ng	99
83) Chrysene	13.968	228	209284	15.510	ng	98
87) Indeno(1,2,3-cd)pyrene	16.874	276	76107	4.341	ng	99
88) Benzo(b)fluoranthene	14.980	252	264416m	18.267	ng	
89) Benzo(k)fluoranthene	15.004	252	95407m	6.672	ng	
90) Benzo(a)pyrene	15.345	252	180319	13.063	ng	98
92) Benzo(g,h,i)perylene	17.321	276	63810	4.259	ng	100

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

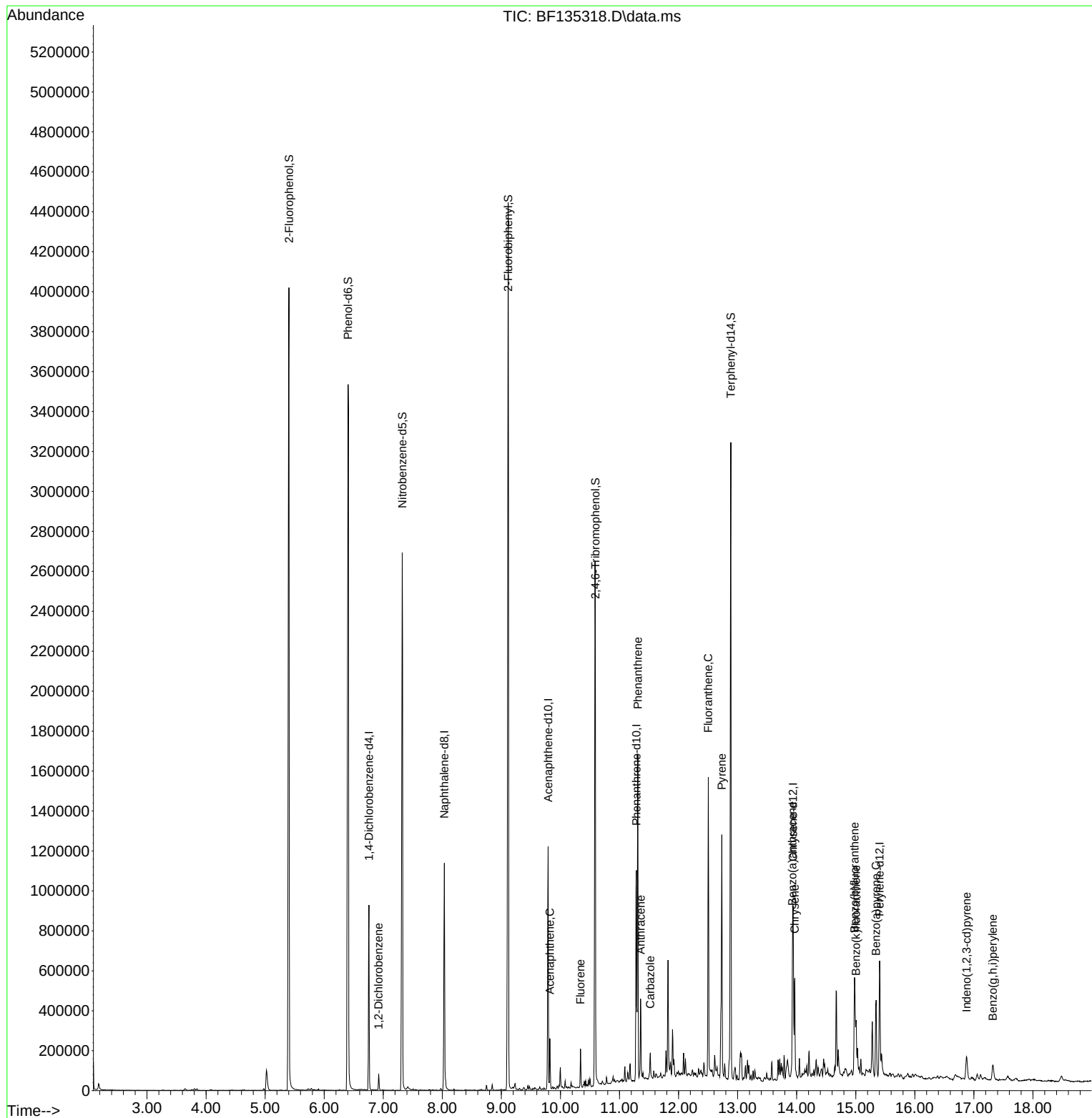
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
Data File : BF135318.D
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ALS Vial : 13 Sample Multiplier: 1

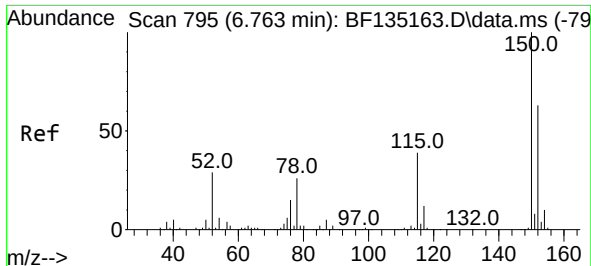
Instrument :
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Quant Time: Sep 19 00:16:52 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
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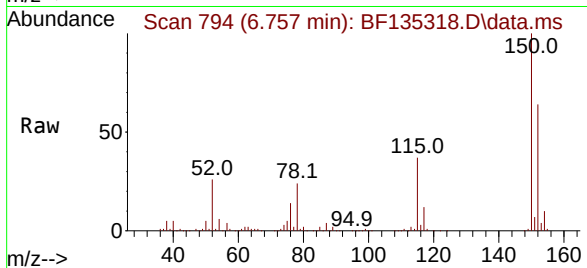
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135318.D
Acq: 18 Sep 2023 21:19

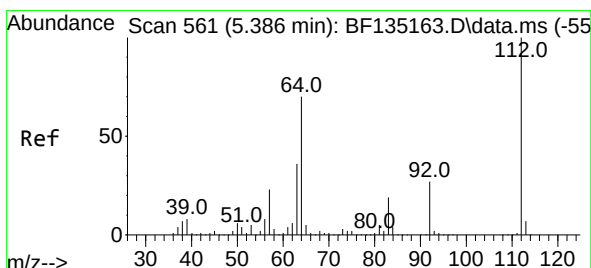
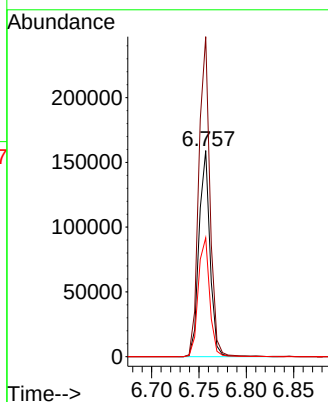
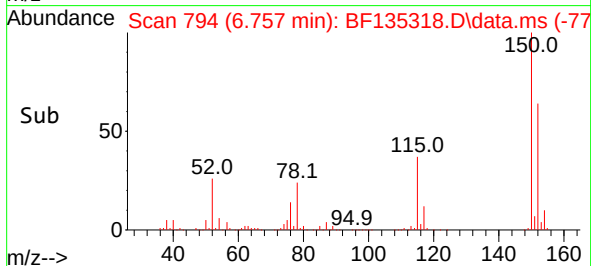
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:152 Resp: 12922
Ion Ratio Lower Upper
152 100
150 155.3 127.8 191.6
115 57.6 49.8 74.8

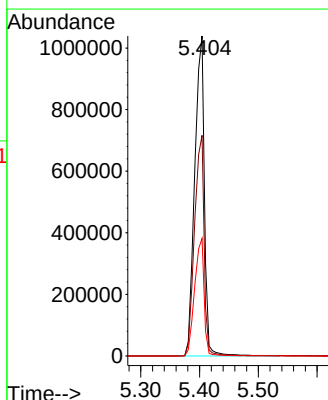
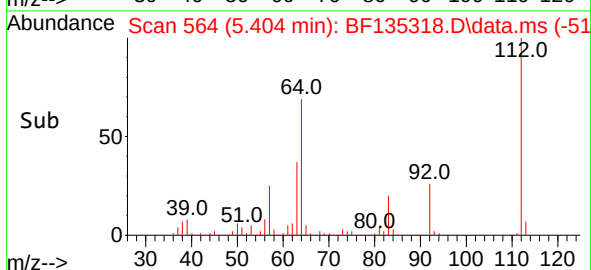
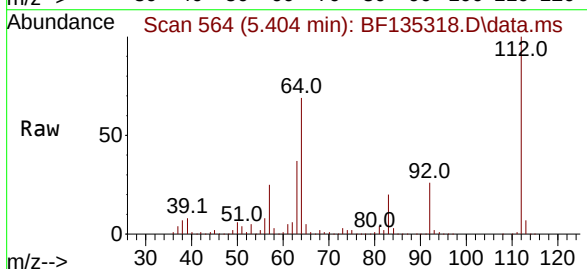
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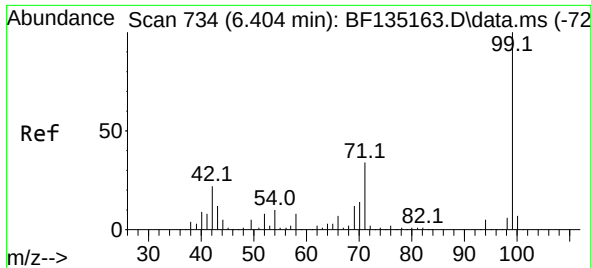
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#5
2-Fluorophenol
Concen: 150.048 ng
RT: 5.404 min Scan# 564
Delta R.T. 0.018 min
Lab File: BF135318.D
Acq: 18 Sep 2023 21:19

Tgt Ion:112 Resp: 1192136
Ion Ratio Lower Upper
112 100
64 69.0 55.9 83.9
63 36.7 29.0 43.6





#7

Phenol-d6

Concen: 149.638 ng

RT: 6.404 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF135318.D

Acq: 18 Sep 2023 21:19

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion: 99 Resp: 1511734

Ion Ratio Lower Upper

99 100

42 25.0 17.9 26.9

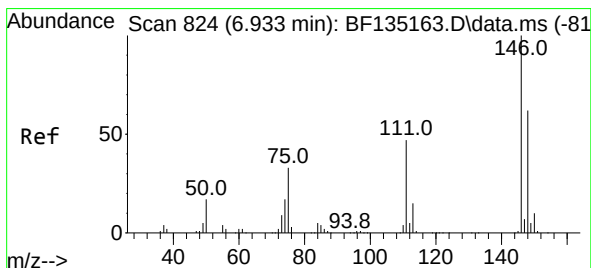
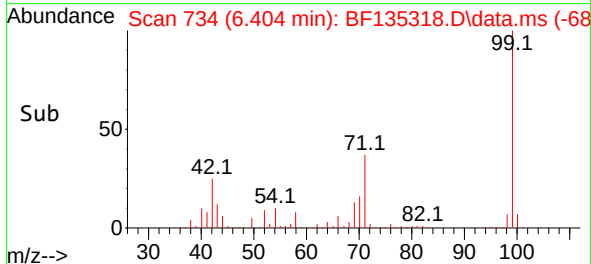
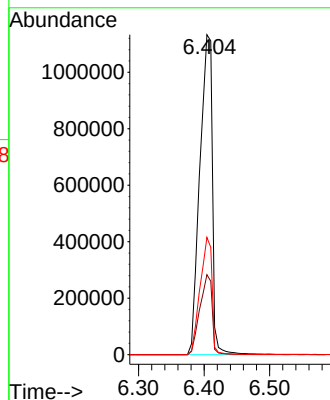
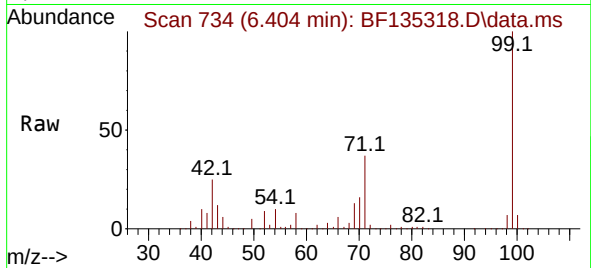
71 36.7 27.0 40.6

Manual Integrations

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Supervised By :mohammad ahmed 09/19/2023



#14

1,2-Dichlorobenzene

Concen: 2.039 ng

RT: 6.922 min Scan# 822

Delta R.T. -0.012 min

Lab File: BF135318.D

Acq: 18 Sep 2023 21:19

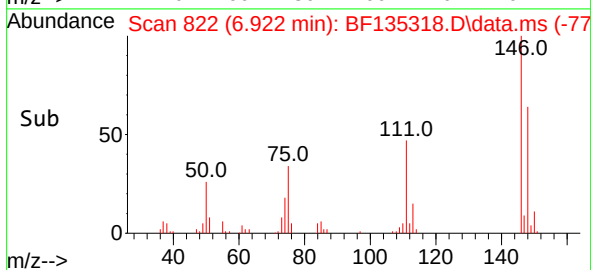
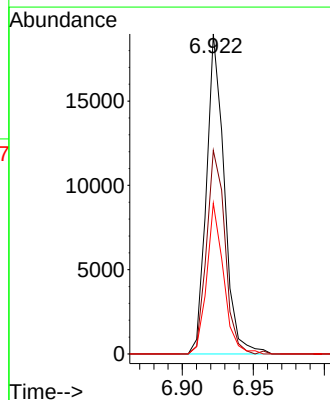
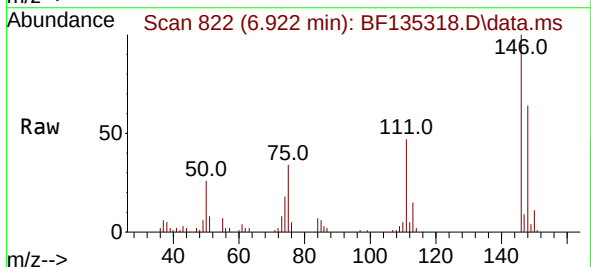
Tgt Ion:146 Resp: 16609

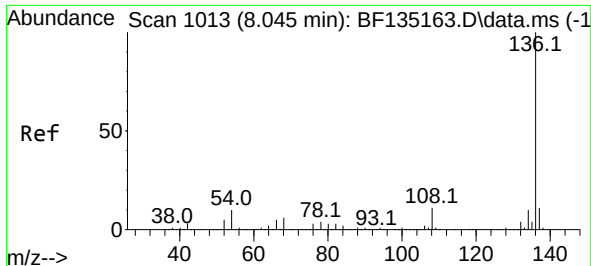
Ion Ratio Lower Upper

146 100

148 63.6 49.7 74.5

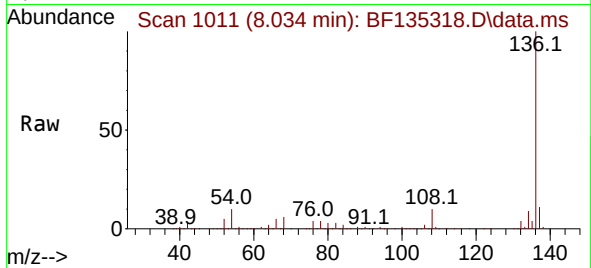
111 47.1 37.4 56.2





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1013
Delta R.T. -0.012 min
Lab File: BF135318.D
Acq: 18 Sep 2023 21:19

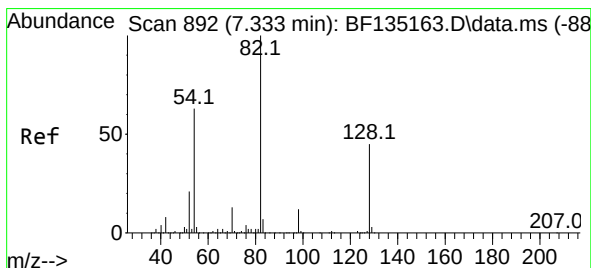
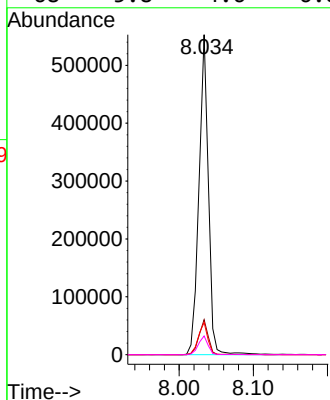
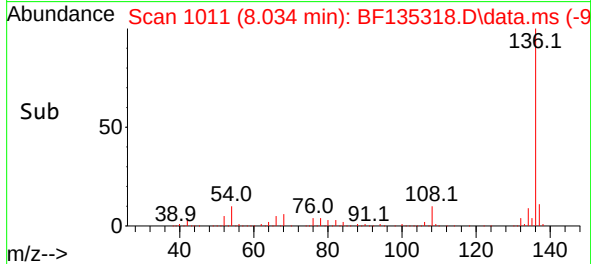
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:136 Resp: 491432
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 10.1 7.7 11.5
68 5.8 4.6 6.8

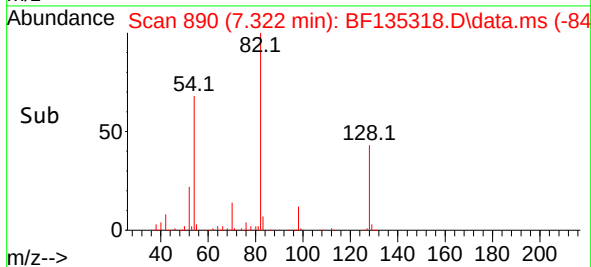
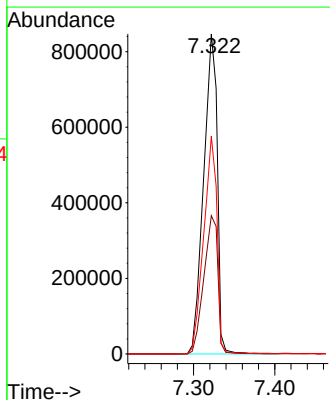
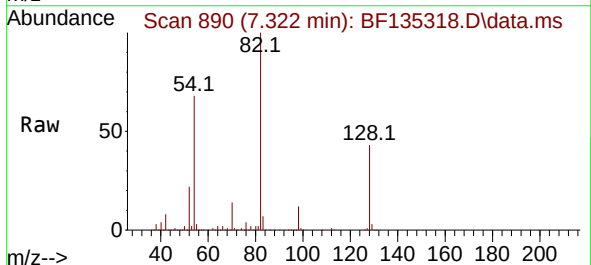
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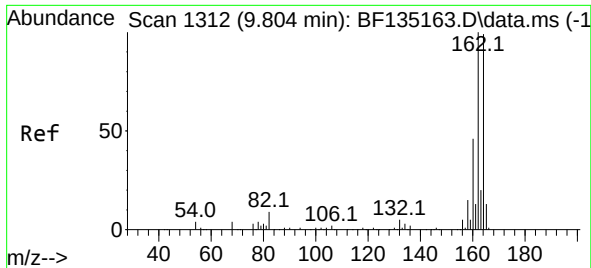
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#23
Nitrobenzene-d5
Concen: 108.993 ng
RT: 7.322 min Scan# 890
Delta R.T. -0.012 min
Lab File: BF135318.D
Acq: 18 Sep 2023 21:19

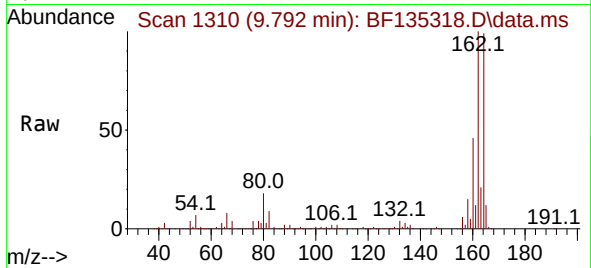
Tgt Ion: 82 Resp: 985888
Ion Ratio Lower Upper
82 100
128 43.2 35.8 53.6
54 68.1 50.6 76.0





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.012 min
Lab File: BF135318.D
Acq: 18 Sep 2023 21:19

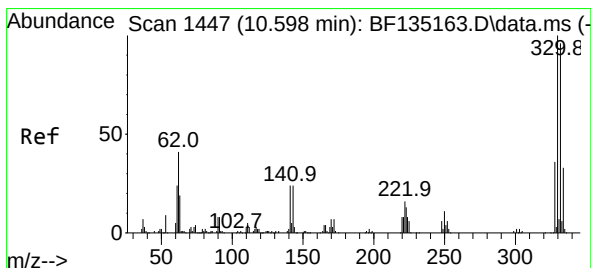
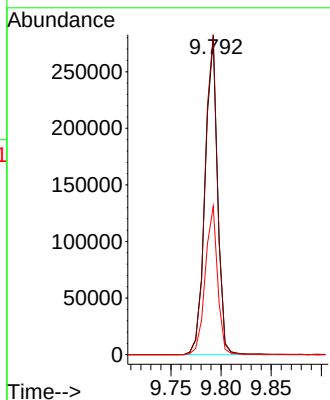
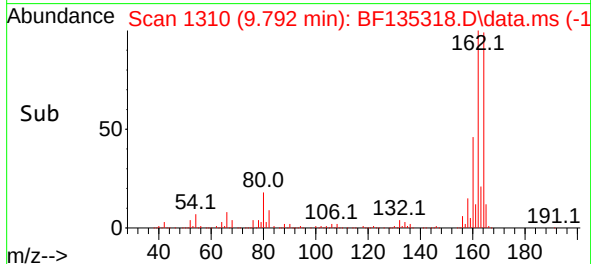
Instrument :
BNA_F
ClientSampleId :
WC-1



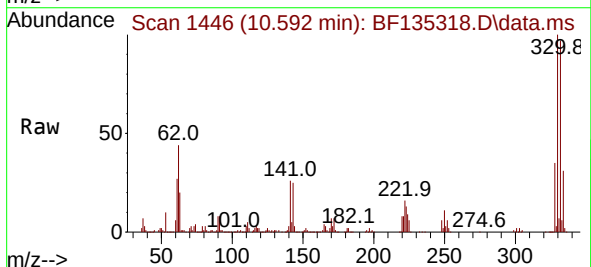
Tgt Ion:164 Resp: 243849
Ion Ratio Lower Upper
164 100
162 101.3 81.0 121.4
160 46.9 37.0 55.4

Manual Integrations
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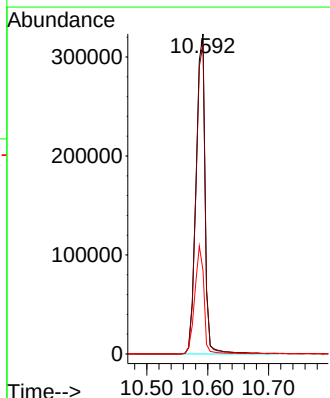
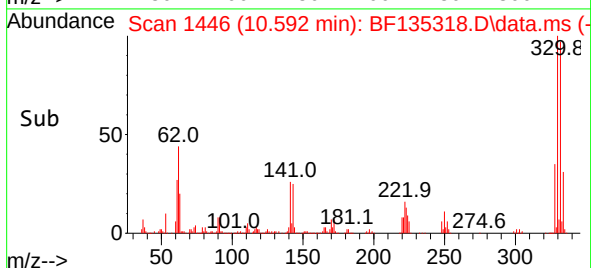
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023

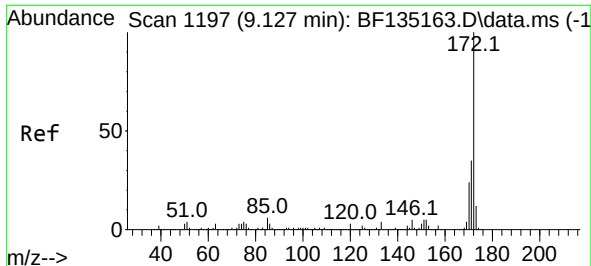


#42
2,4,6-Tribromophenol
Concen: 137.910 ng
RT: 10.592 min Scan# 1446
Delta R.T. -0.006 min
Lab File: BF135318.D
Acq: 18 Sep 2023 21:19



Tgt Ion:330 Resp: 334193
Ion Ratio Lower Upper
330 100
332 97.1 77.3 115.9
141 34.2 25.8 38.8





#45

2-Fluorobiphenyl

Concen: 101.281 ng

RT: 9.116 min Scan# 1195

Delta R.T. -0.012 min

Lab File: BF135318.D

Acq: 18 Sep 2023 21:19

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:172 Resp: 163697

Ion Ratio Lower Upper

172 100

171 36.1 28.4 42.6

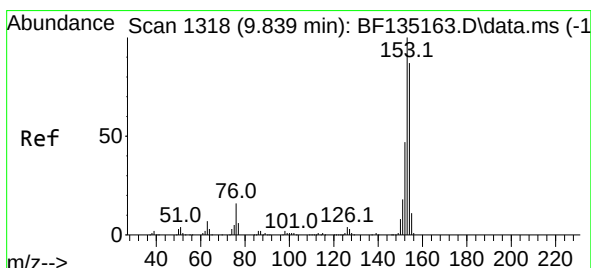
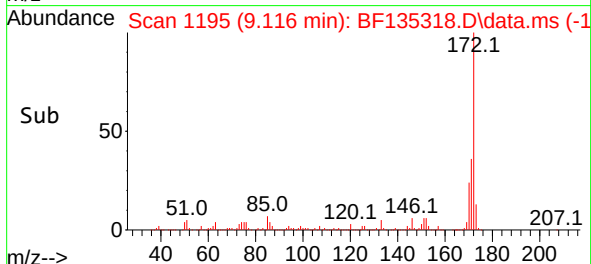
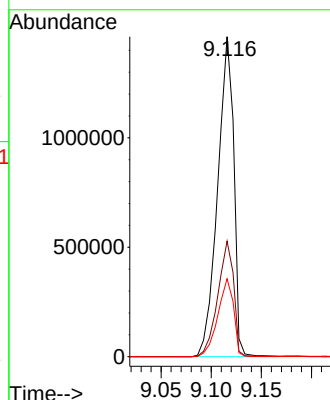
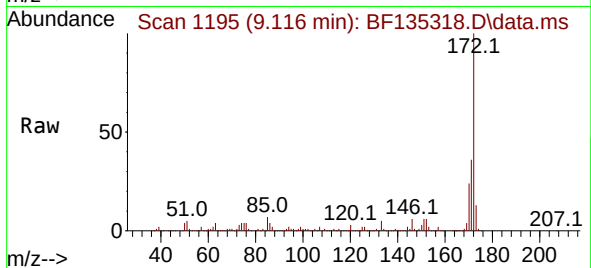
170 24.4 19.0 28.4

Manual Integrations

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Reviewed By :Yogesh Patel 09/19/2023

Supervised By :mohammad ahmed 09/19/2023



#52

Acenaphthene

Concen: 3.701 ng

RT: 9.822 min Scan# 1315

Delta R.T. -0.017 min

Lab File: BF135318.D

Acq: 18 Sep 2023 21:19

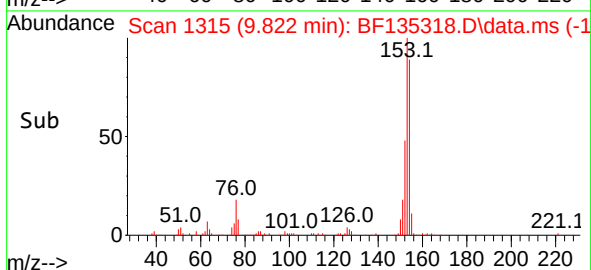
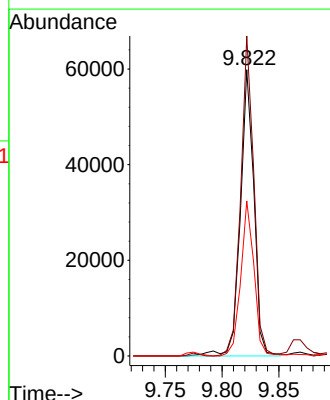
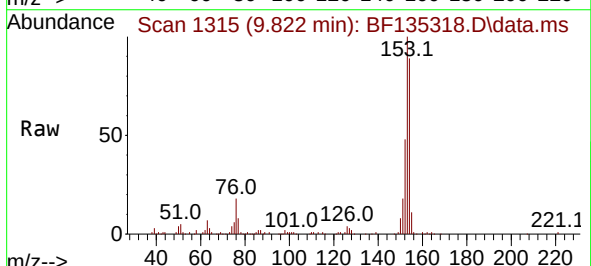
Tgt Ion:154 Resp: 49405

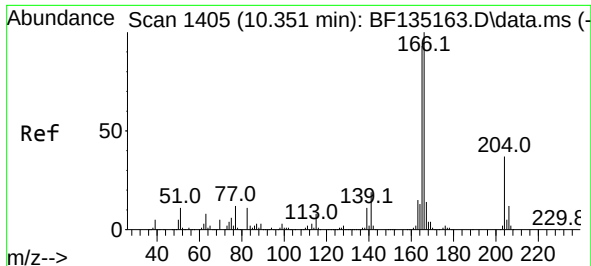
Ion Ratio Lower Upper

154 100

153 111.8 92.1 138.1

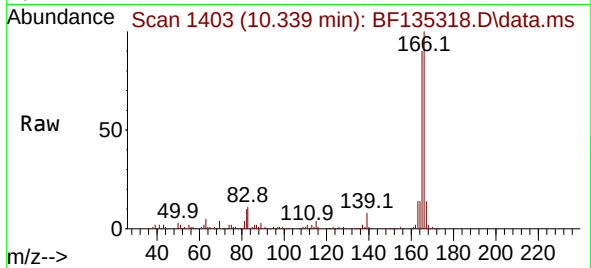
152 54.2 43.1 64.7





#58
Fluorene
Concen: 3.021 ng
RT: 10.339 min Scan# 1405
Delta R.T. -0.012 min
Lab File: BF135318.D
Acq: 18 Sep 2023 21:19

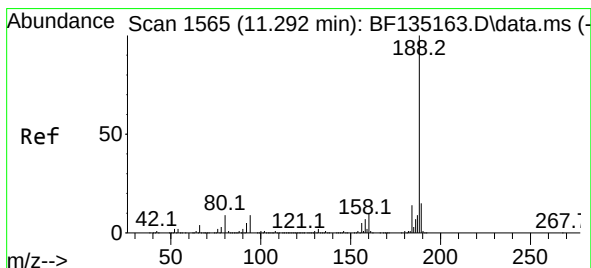
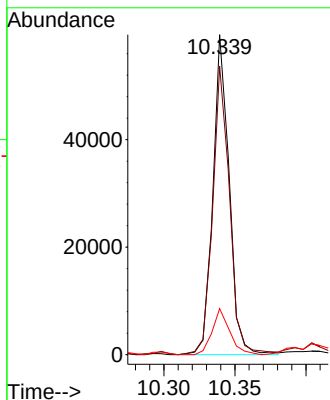
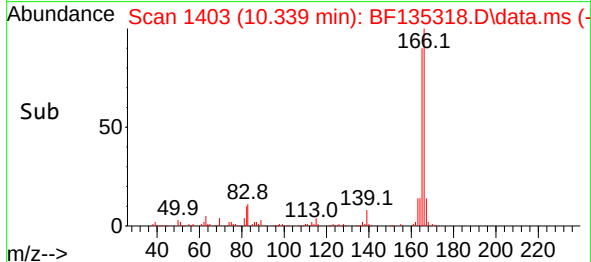
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:166 Resp: 47301
Ion Ratio Lower Upper
166 100
165 90.2 74.3 111.5
167 14.4 10.9 16.3

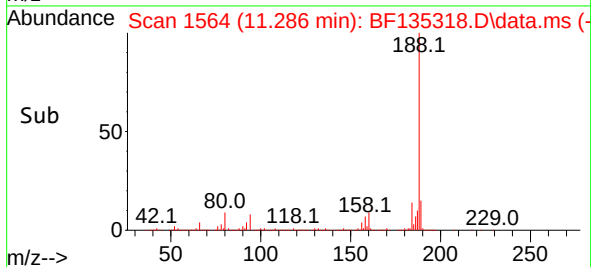
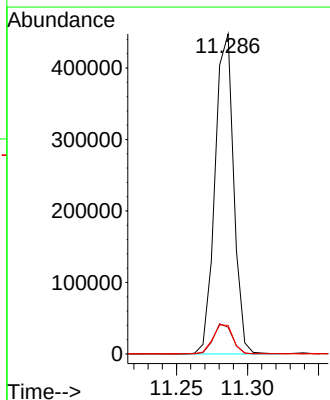
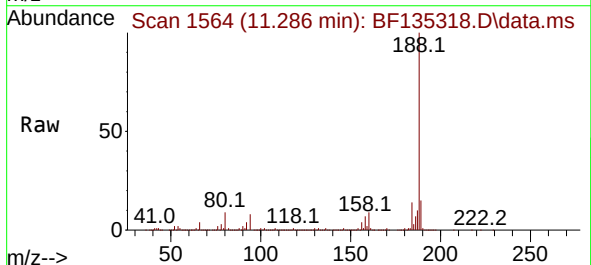
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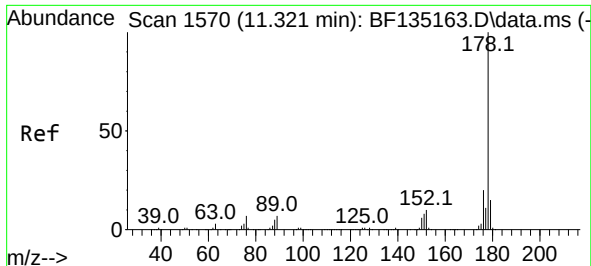
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF135318.D
Acq: 18 Sep 2023 21:19

Tgt Ion:188 Resp: 409739
Ion Ratio Lower Upper
188 100
94 8.3 7.0 10.6
80 9.0 7.5 11.3





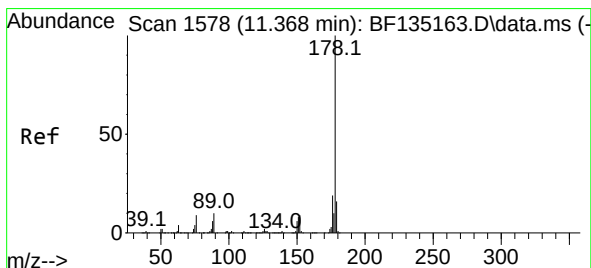
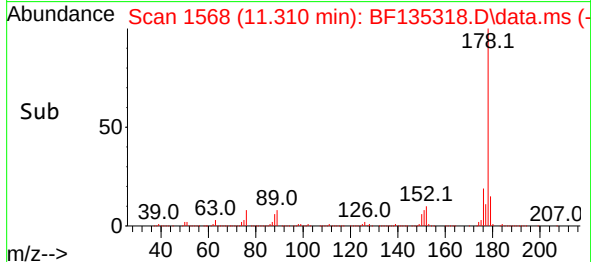
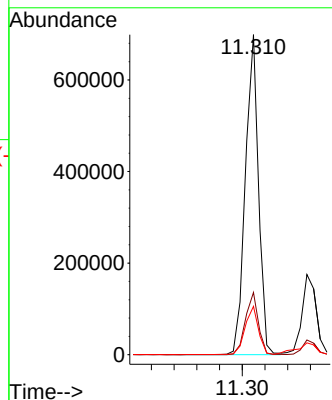
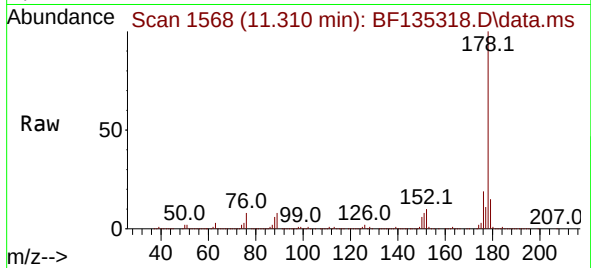
#71
Phenanthrene
Concen: 28.986 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF135318.D
Acq: 18 Sep 2023 21:19

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:178 Resp: 561710
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 15.1 12.0 18.0

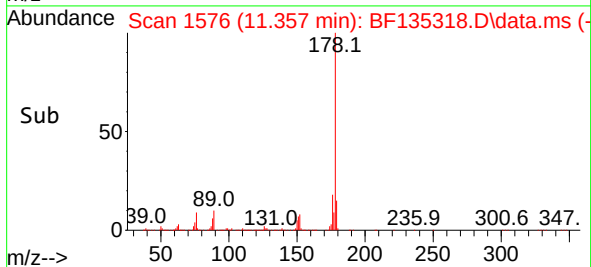
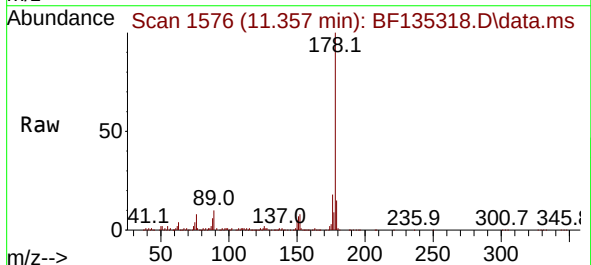
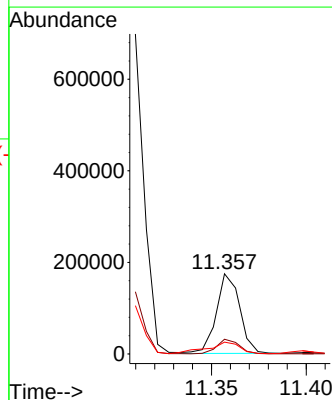
Manual Integrations
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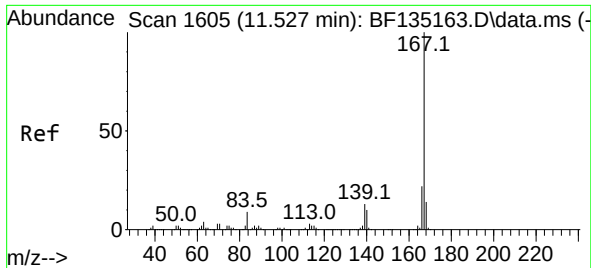
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#72
Anthracene
Concen: 7.513 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.012 min
Lab File: BF135318.D
Acq: 18 Sep 2023 21:19

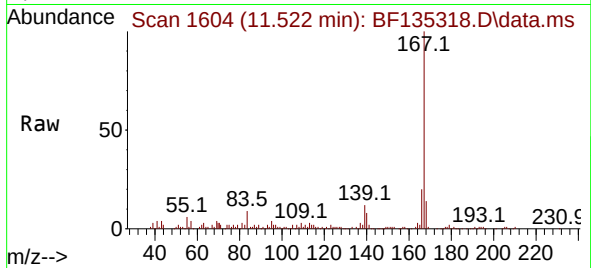
Tgt Ion:178 Resp: 149659
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.2
179 14.7 12.6 19.0





#73
 Carbazole
 Concen: 2.782 ng
 RT: 11.522 min Scan# 1604
 Delta R.T. -0.006 min
 Lab File: BF135318.D
 Acq: 18 Sep 2023 21:19

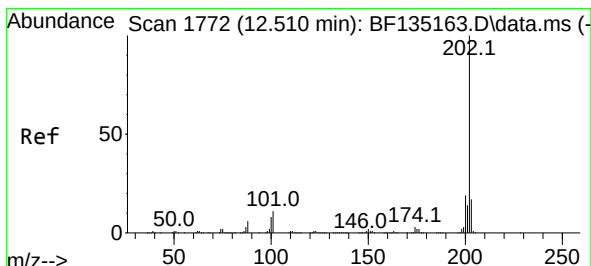
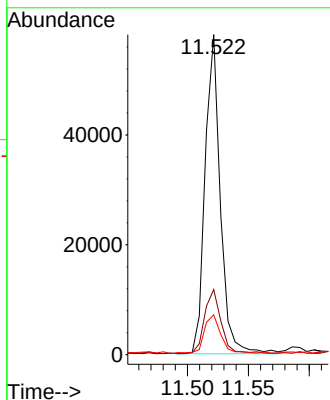
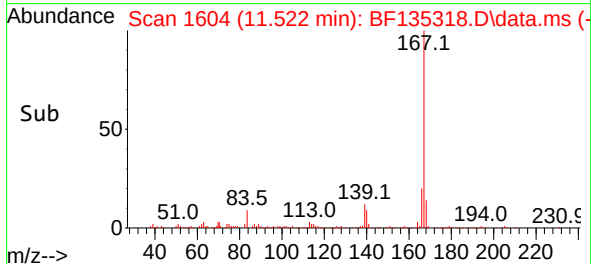
Instrument :
 BNA_F
 ClientSampleId :
 WC-1



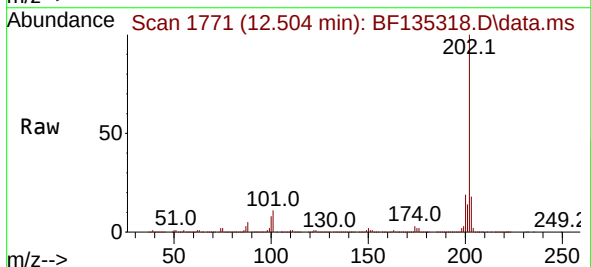
Tgt Ion:167 Resp: 50448
 Ion Ratio Lower Upper
 167 100
 166 20.4 17.4 26.0
 139 12.5 10.6 15.8

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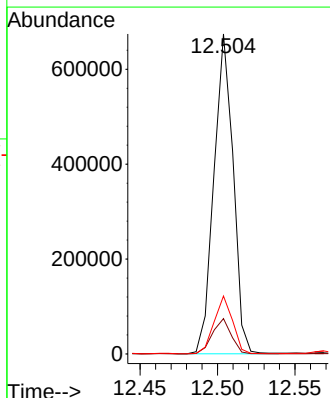
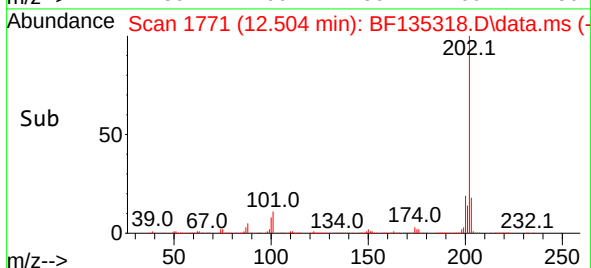
Reviewed By :Yogesh Patel 09/19/2023
 Supervised By :mohammad ahmed 09/19/2023

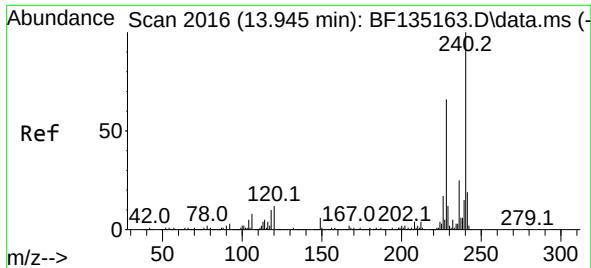


#75
 Fluoranthene
 Concen: 28.838 ng
 RT: 12.504 min Scan# 1771
 Delta R.T. -0.006 min
 Lab File: BF135318.D
 Acq: 18 Sep 2023 21:19



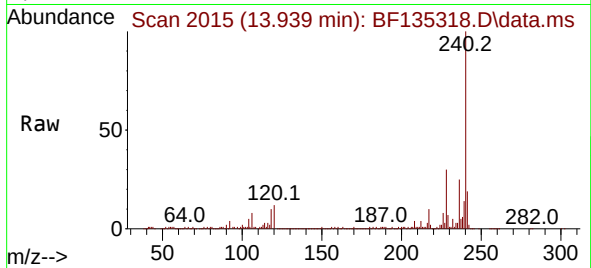
Tgt Ion:202 Resp: 582306
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 31.3
 203 18.1 0.0 37.4





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF135318.D
Acq: 18 Sep 2023 21:19

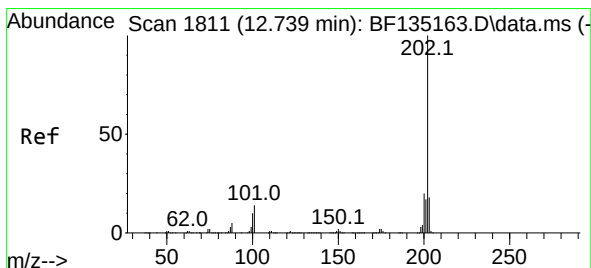
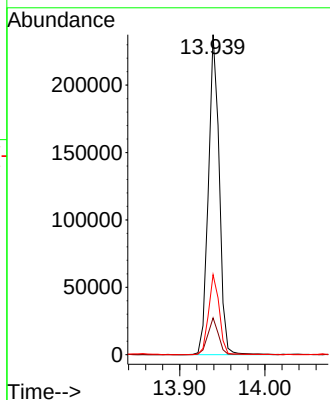
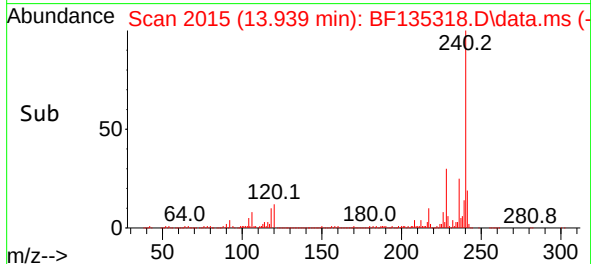
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:240 Resp: 21017
Ion Ratio Lower Upper
240 100
120 11.5 9.4 14.2
236 25.0 19.8 29.8

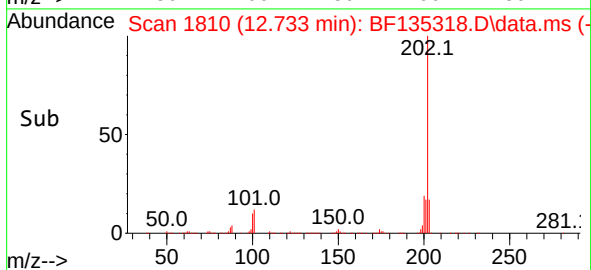
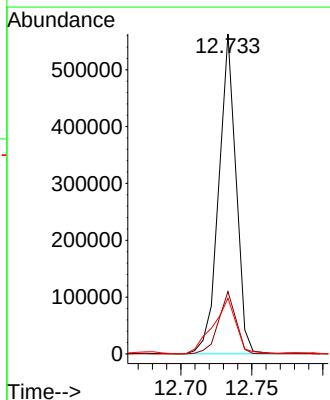
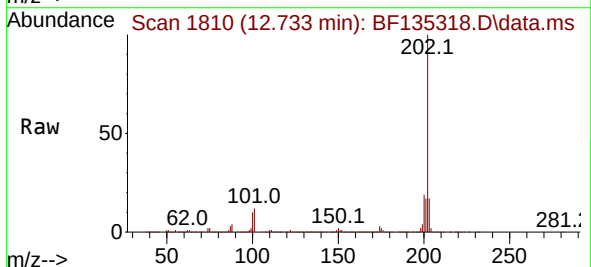
Manual Integrations
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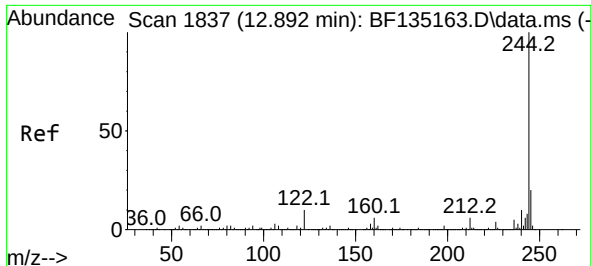
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#78
Pyrene
Concen: 23.820 ng
RT: 12.733 min Scan# 1810
Delta R.T. -0.006 min
Lab File: BF135318.D
Acq: 18 Sep 2023 21:19

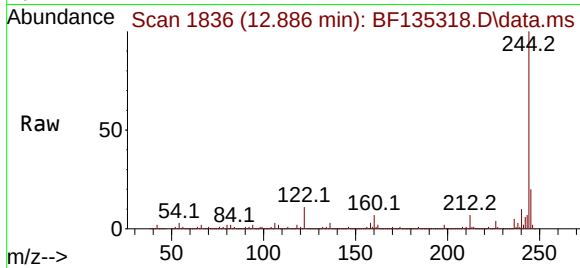
Tgt Ion:202 Resp: 476641
Ion Ratio Lower Upper
202 100
200 19.5 16.2 24.2
203 17.4 14.2 21.4





#79
 Terphenyl-d14
 Concen: 84.115 ng
 RT: 12.886 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF135318.D
 Acq: 18 Sep 2023 21:19

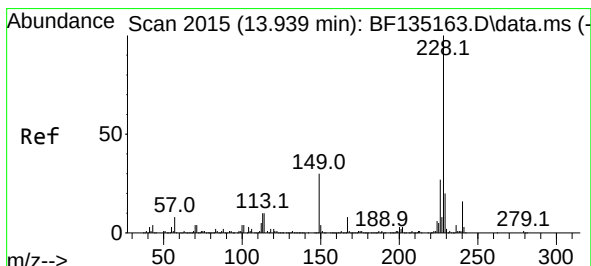
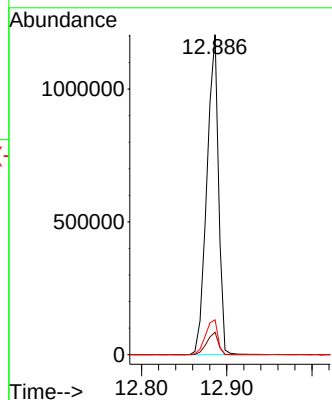
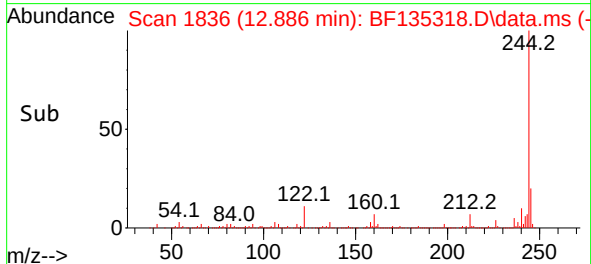
Instrument :
 BNA_F
 ClientSampleId :
 WC-1



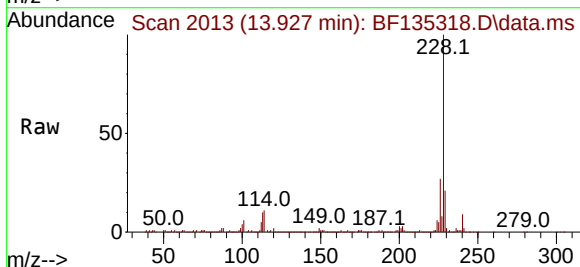
Tgt Ion:244 Resp: 114044
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.1 7.7
 122 10.9 7.9 11.9

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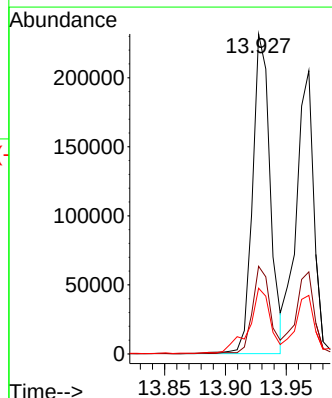
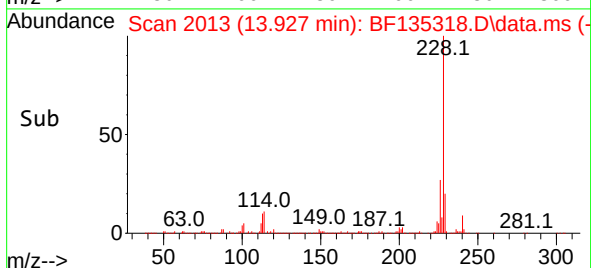
Reviewed By :Yogesh Patel 09/19/2023
 Supervised By :mohammad ahmed 09/19/2023

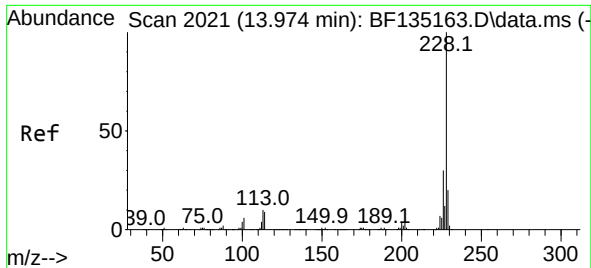


#81
 Benzo(a)anthracene
 Concen: 17.233 ng
 RT: 13.927 min Scan# 2013
 Delta R.T. -0.012 min
 Lab File: BF135318.D
 Acq: 18 Sep 2023 21:19



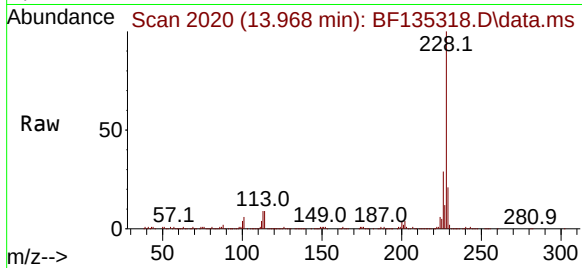
Tgt Ion:228 Resp: 233878
 Ion Ratio Lower Upper
 228 100
 226 27.4 21.7 32.5
 229 20.6 15.8 23.8





#83
Chrysene
Concen: 15.510 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF135318.D
Acq: 18 Sep 2023 21:19

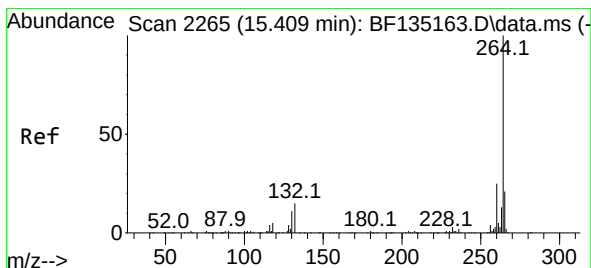
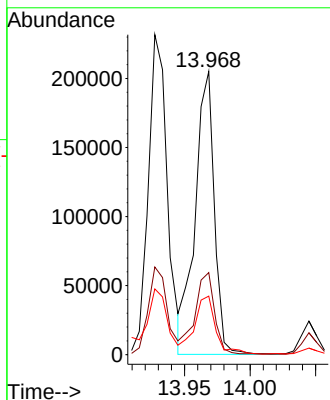
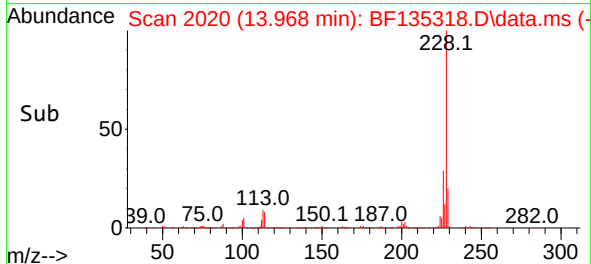
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:228 Resp: 209284
Ion Ratio Lower Upper
228 100
226 29.0 24.3 36.5
229 20.7 16.0 24.0

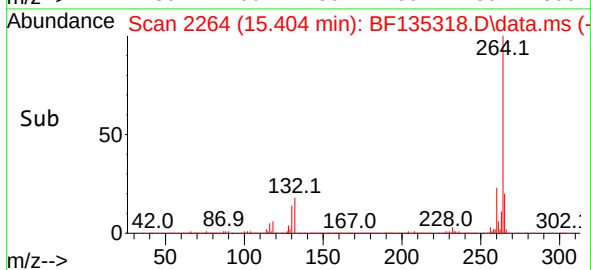
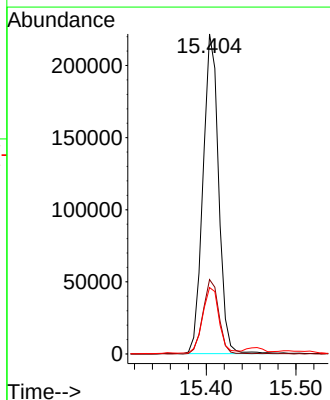
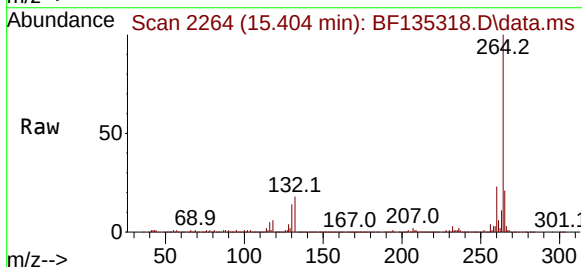
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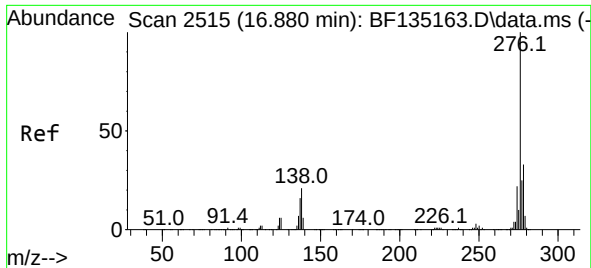
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.404 min Scan# 2264
Delta R.T. -0.006 min
Lab File: BF135318.D
Acq: 18 Sep 2023 21:19

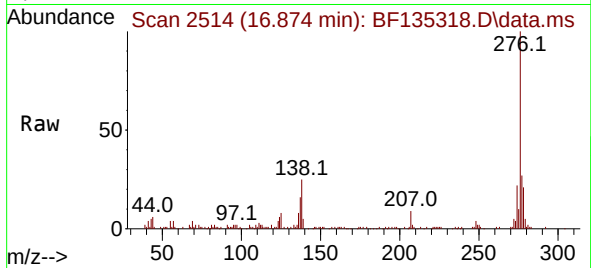
Tgt Ion:264 Resp: 267396
Ion Ratio Lower Upper
264 100
260 23.3 19.8 29.6
265 20.8 17.0 25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.341 ng
RT: 16.874 min Scan# 2110
Delta R.T. -0.006 min
Lab File: BF135318.D
Acq: 18 Sep 2023 21:19

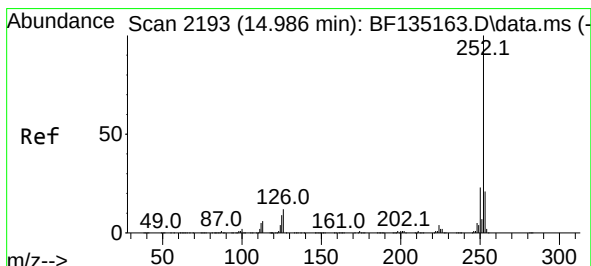
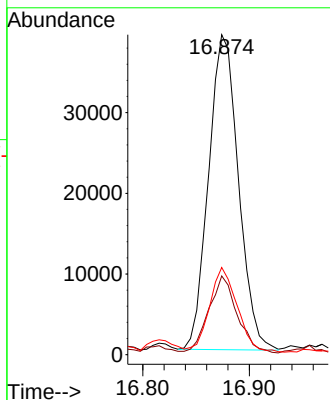
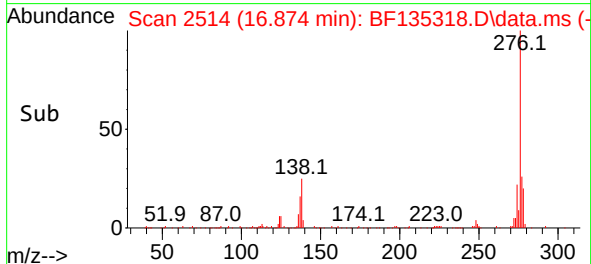
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:276 Resp: 7610
Ion Ratio Lower Upper
276 100
138 23.2 19.2 28.8
277 24.9 19.7 29.5

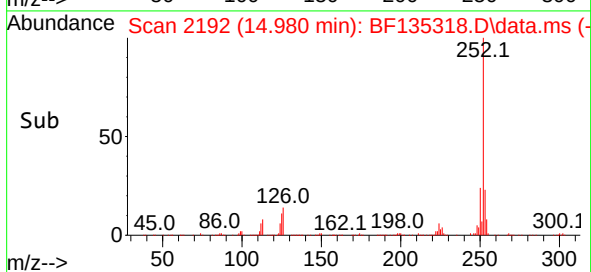
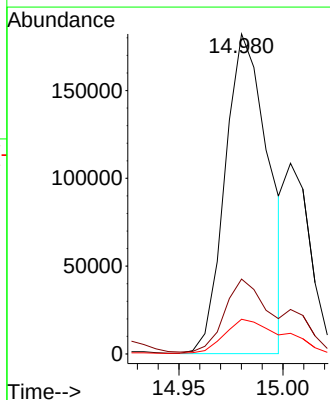
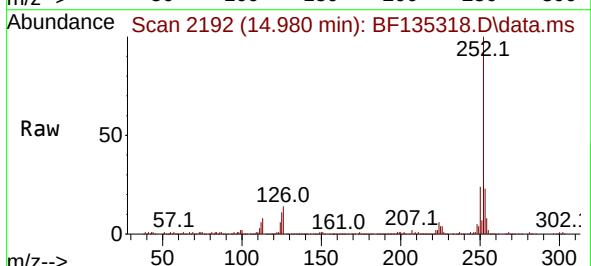
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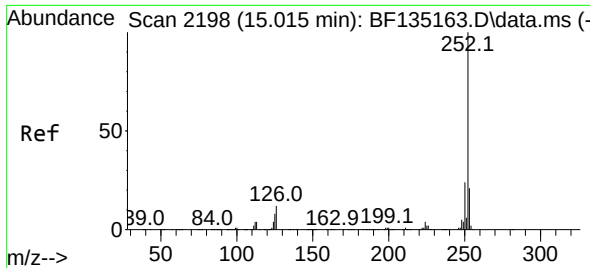
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#88
Benzo(b)fluoranthene
Concen: 18.267 ng m
RT: 14.980 min Scan# 2192
Delta R.T. -0.006 min
Lab File: BF135318.D
Acq: 18 Sep 2023 21:19

Tgt Ion:252 Resp: 264416
Ion Ratio Lower Upper
252 100
253 23.4 17.2 25.8
125 10.9 7.1 10.7#





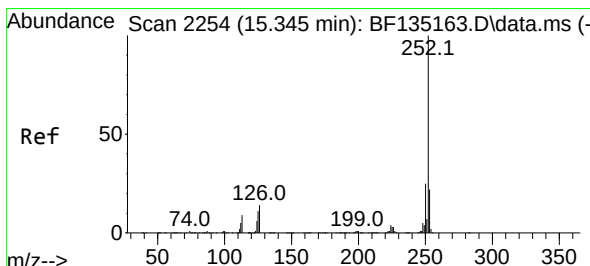
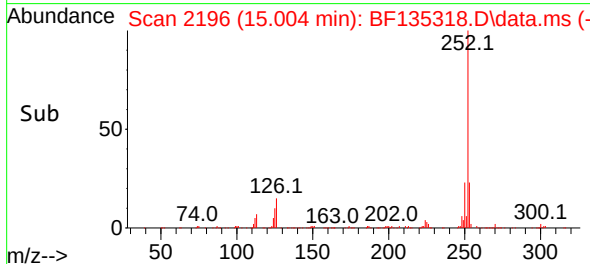
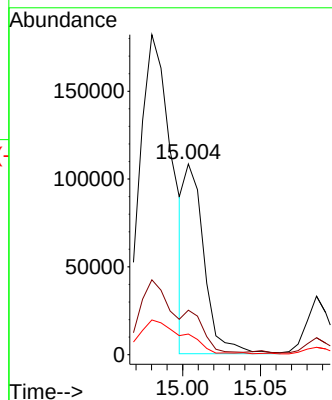
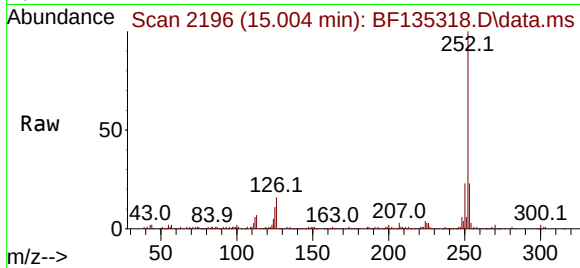
#89
Benzo(k)fluoranthene
Concen: 6.672 ng m
RT: 15.004 min Scan# 2198
Delta R.T. -0.012 min
Lab File: BF135318.D
Acq: 18 Sep 2023 21:19

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:252 Resp: 95407
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.0
125 10.8 7.2 10.8

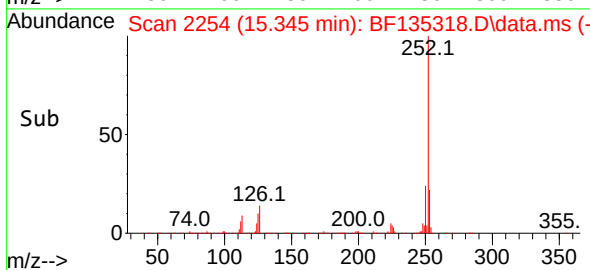
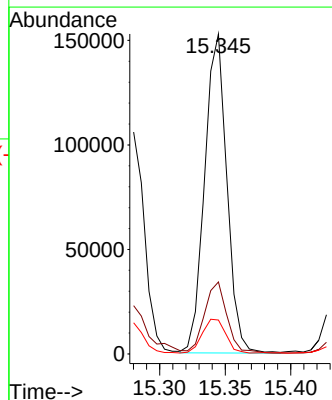
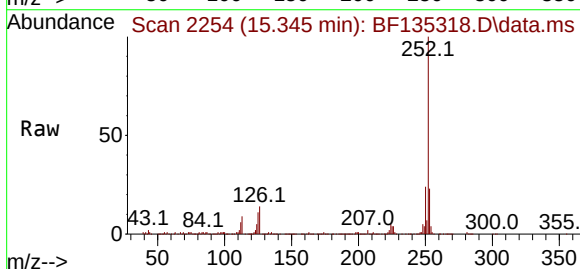
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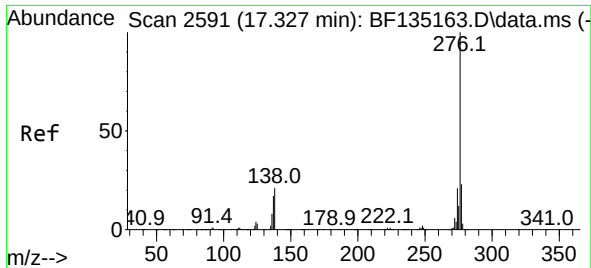
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#90
Benzo(a)pyrene
Concen: 13.063 ng
RT: 15.345 min Scan# 2254
Delta R.T. 0.000 min
Lab File: BF135318.D
Acq: 18 Sep 2023 21:19

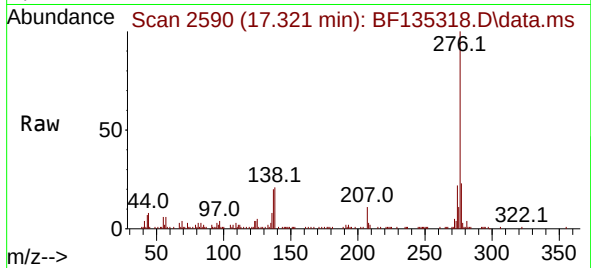
Tgt Ion:252 Resp: 180319
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 10.6 9.2 13.8





#92
 Benzo(g,h,i)perylene
 Concen: 4.259 ng
 RT: 17.321 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF135318.D
 Acq: 18 Sep 2023 21:19

Instrument :
 BNA_F
 ClientSampleId :
 WC-1



Tgt Ion:276	Resp:	63810
Ion Ratio	Lower	Upper
276	100	
277	23.4	18.8 28.2
138	20.8	16.9 25.3

Manual Integrations
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Reviewed By :Yogesh Patel 09/19/2023
 Supervised By :mohammad ahmed 09/19/2023

