

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF083123\
 Data File : BF135065.D
 Acq On : 01 Sep 2023 03:47
 Operator : CG\JU
 Sample : 04217-01 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-04-082923

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/01/2023
 Supervised By :mohammad ahmed 09/01/2023

Quant Time: Sep 01 04:23:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 31 03:48:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	117167	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	427563	20.000	ng	0.00
39) Acenaphthene-d10	9.810	164	171405	20.000	ng	0.00
64) Phenanthrene-d10	11.298	188	244584	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	206240	20.000	ng	# 0.00
86) Perylene-d12	15.427	264	149864	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	421015	55.503	ng	0.00
7) Phenol-d6	6.404	99	497262	52.593	ng	-0.01
23) Nitrobenzene-d5	7.334	82	302059	39.690	ng	-0.01
42) 2,4,6-Tribromophenol	10.598	330	81699	44.933	ng	-0.01
45) 2-Fluorobiphenyl	9.128	172	509199	48.367	ng	-0.01
79) Terphenyl-d14	12.898	244	435245	34.439	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.669	152	89880	6.038	ng	98
58) Fluorene	10.357	166	22297	2.137	ng	97
71) Phenanthrene	11.322	178	322911	25.591	ng	100
72) Anthracene	11.375	178	72495	5.623	ng	98
73) Carbazole	11.533	167	28939	2.603	ng	96
75) Fluoranthene	12.522	202	649571	50.916	ng	100
78) Pyrene	12.751	202	593283	30.298	ng	100
81) Benzo(a)anthracene	13.951	228	332661m	23.646	ng	
83) Chrysene	13.986	228	323840	23.423	ng	97
87) Indeno(1,2,3-cd)pyrene	16.904	276	126494	12.531	ng	95
88) Benzo(b)fluoranthene	15.004	252	354483m	38.015	ng	
89) Benzo(k)fluoranthene	15.027	252	93309m	10.358	ng	
90) Benzo(a)pyrene	15.368	252	194754	22.483	ng	96
91) Dibenzo(a,h)anthracene	16.915	278	33061m	4.044	ng	
92) Benzo(g,h,i)perylene	17.357	276	117885	13.864	ng	96

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

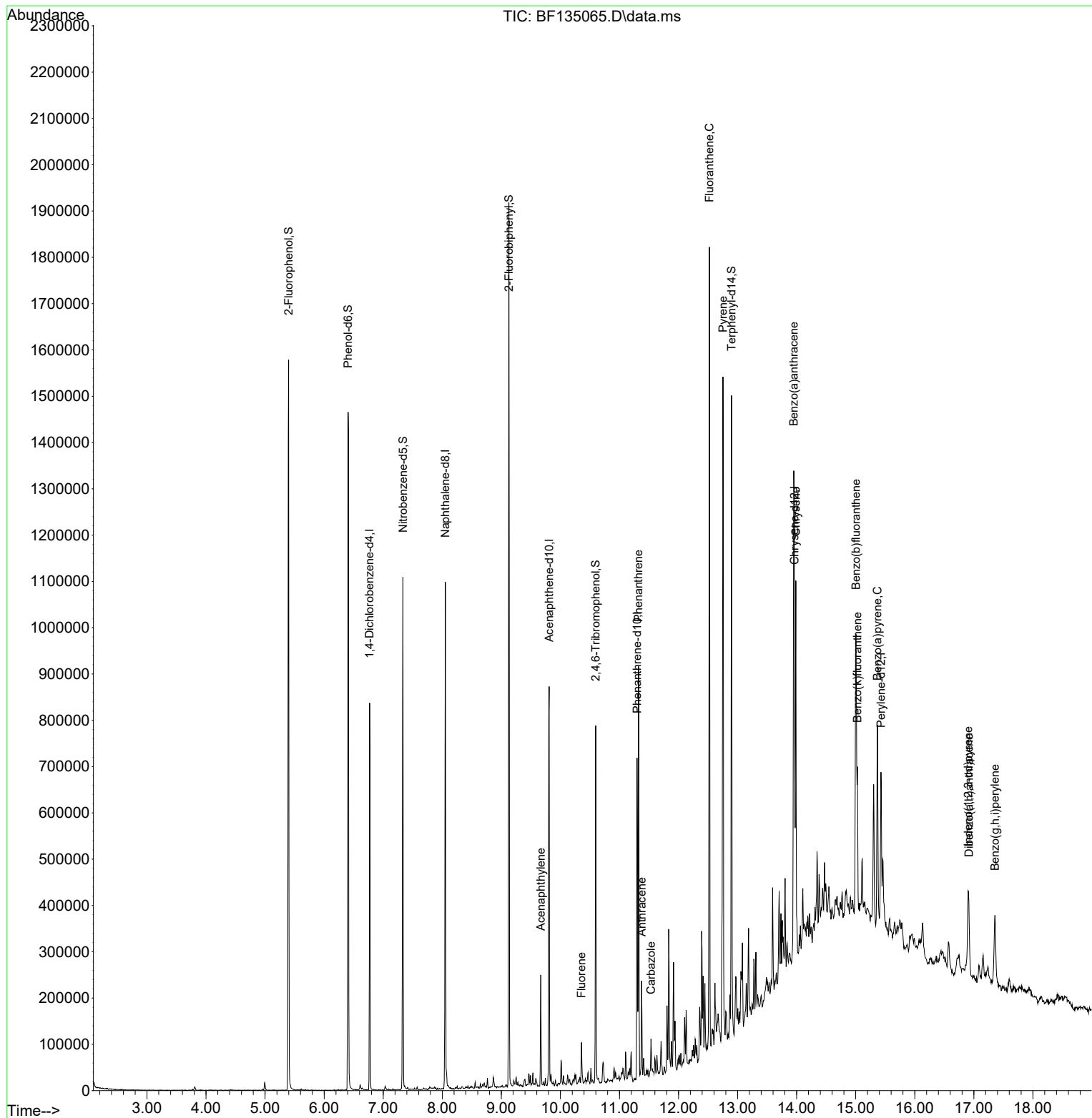
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF083123\
Data File : BF135065.D
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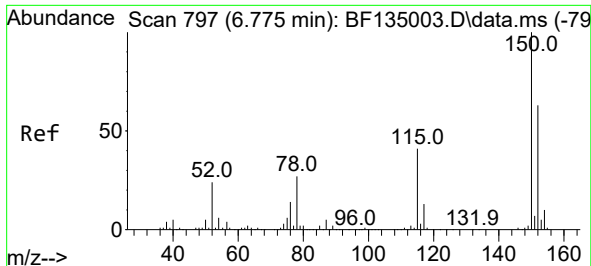
Instrument :
BNA_F
ClientSampleId :
BU-04-082923

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 31 03:48:08 2023
Response via : Initial Calibration

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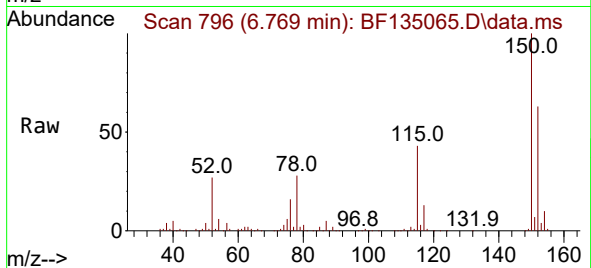
Reviewed By :Yogesh Patel 09/01/2023
Supervised By :mohammad ahmed 09/01/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF135065.D
Acq: 01 Sep 2023 03:47

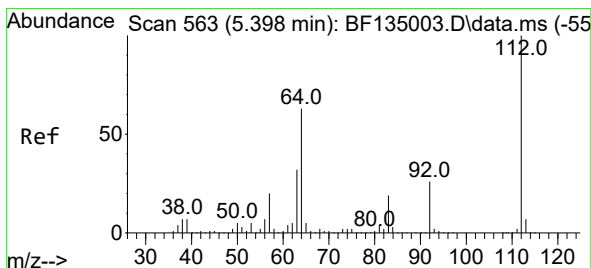
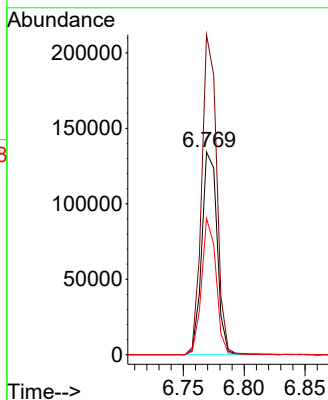
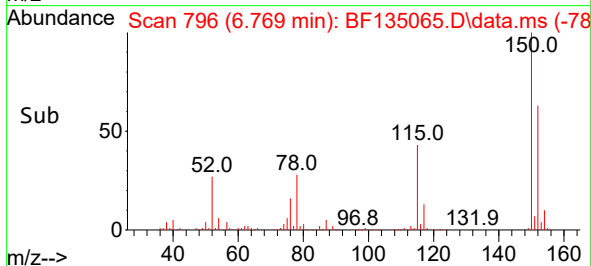
Instrument :
BNA_F
ClientSampleId :
BU-04-082923



Tgt Ion:152 Resp: 11716
Ion Ratio Lower Upper
152 100
150 157.9 126.2 189.4
115 67.2 51.2 76.8

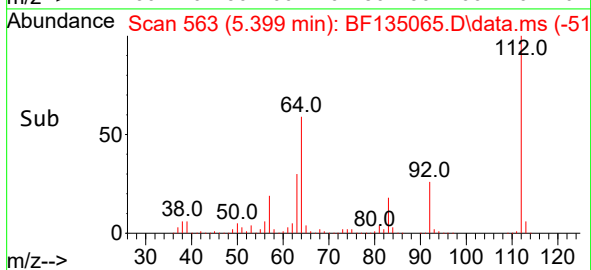
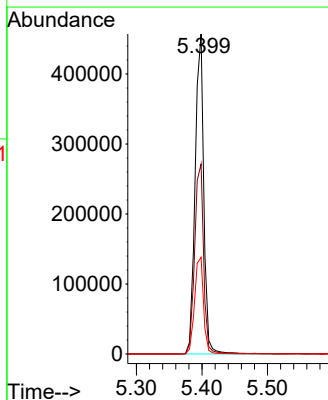
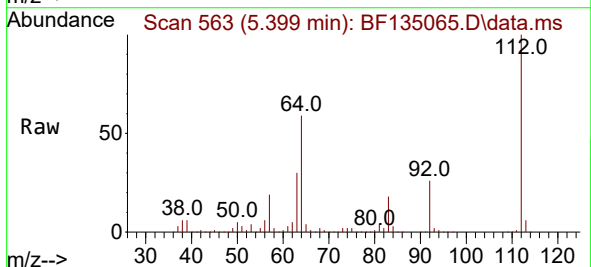
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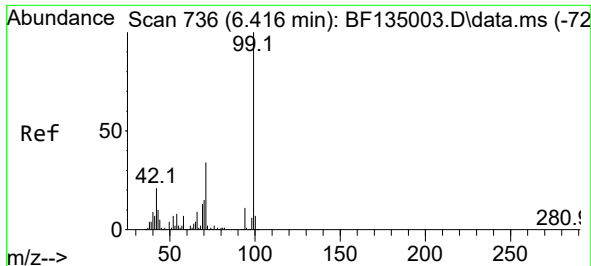
Reviewed By :Yogesh Patel 09/01/2023
Supervised By :mohammad ahmed 09/01/2023



#5
2-Fluorophenol
Concen: 55.503 ng
RT: 5.399 min Scan# 563
Delta R.T. 0.000 min
Lab File: BF135065.D
Acq: 01 Sep 2023 03:47

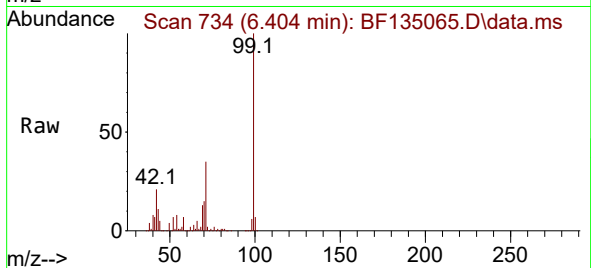
Tgt Ion:112 Resp: 421015
Ion Ratio Lower Upper
112 100
64 59.4 50.5 75.7
63 30.2 25.9 38.9





#7
Phenol-d6
Concen: 52.593 ng
RT: 6.404 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF135065.D
Acq: 01 Sep 2023 03:47

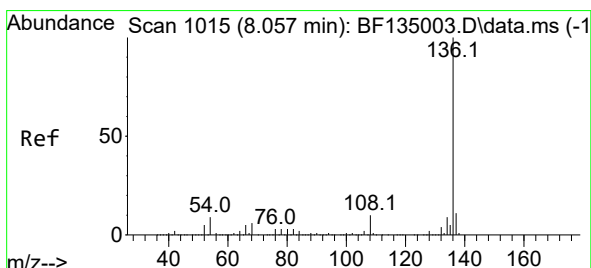
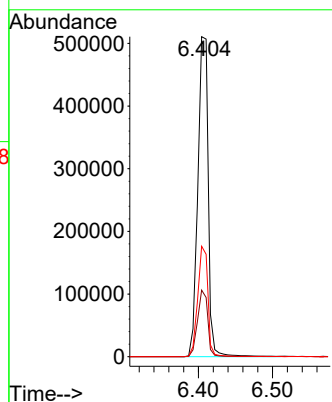
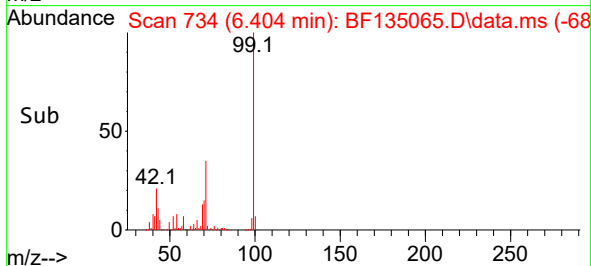
Instrument :
BNA_F
ClientSampleId :
BU-04-082923



Tgt Ion: 99 Resp: 497262
Ion Ratio Lower Upper
99 100
42 20.8 16.6 25.0
71 34.5 27.0 40.6

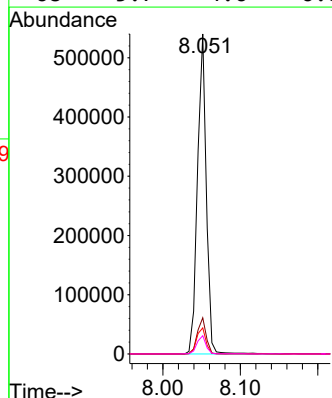
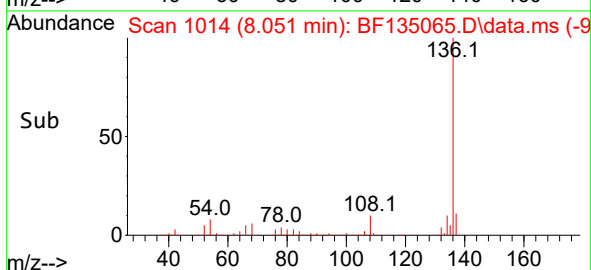
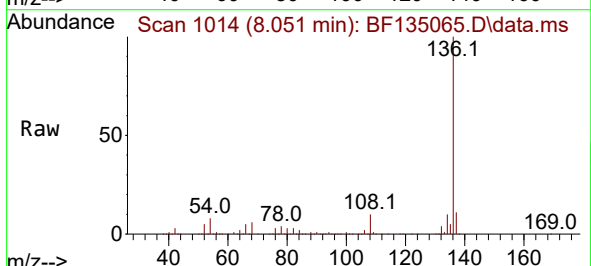
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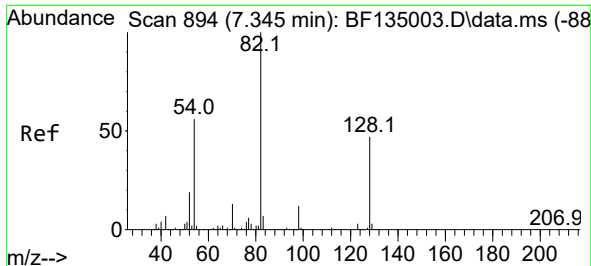
Reviewed By :Yogesh Patel 09/01/2023
Supervised By :mohammad ahmed 09/01/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.051 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF135065.D
Acq: 01 Sep 2023 03:47

Tgt Ion:136 Resp: 427563
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 8.1 7.0 10.4
68 5.7 4.6 6.8





#23

Nitrobenzene-d5

Concen: 39.690 ng

RT: 7.334 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF135065.D

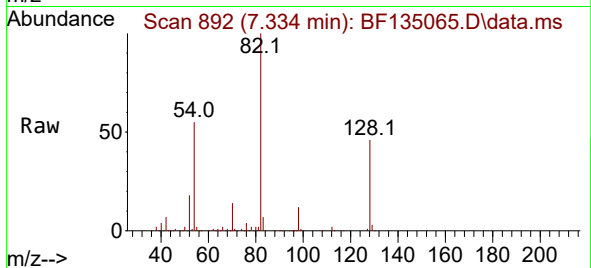
Acq: 01 Sep 2023 03:47

Instrument :

BNA_F

ClientSampleId :

BU-04-082923



Tgt Ion: 82 Resp: 302059

Ion Ratio Lower Upper

82 100

128 46.2 37.8 56.8

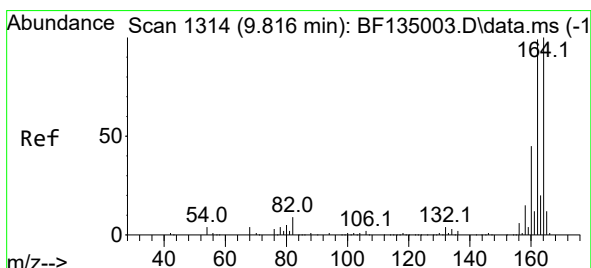
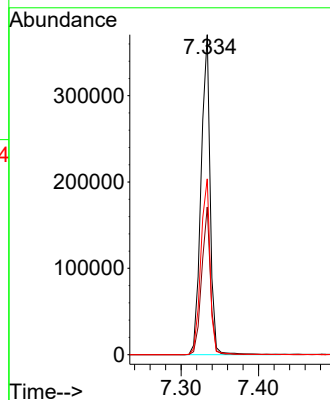
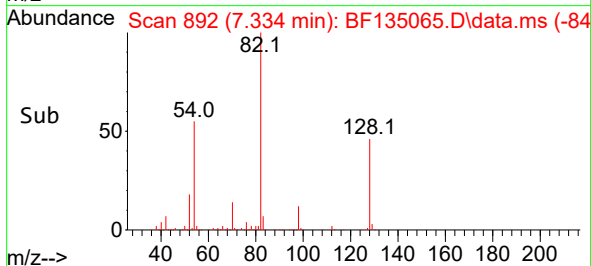
54 55.0 45.0 67.6

Manual Integrations

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Supervised By :mohammad ahmed 09/01/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.810 min Scan# 1313

Delta R.T. -0.006 min

Lab File: BF135065.D

Acq: 01 Sep 2023 03:47

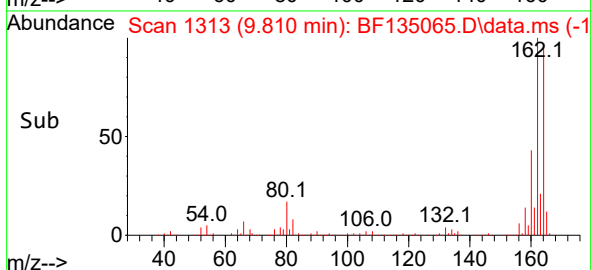
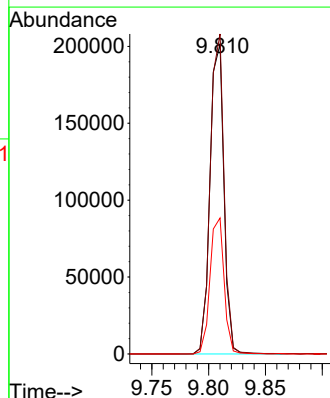
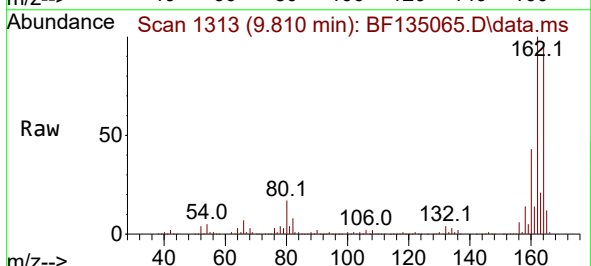
Tgt Ion:164 Resp: 171405

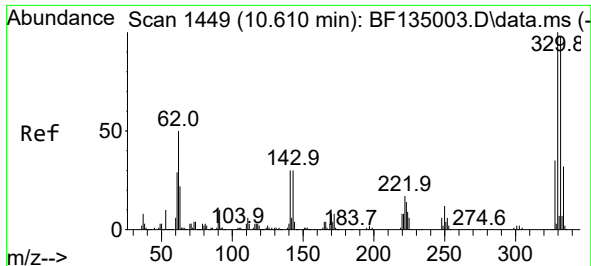
Ion Ratio Lower Upper

164 100

162 103.3 79.5 119.3

160 43.9 36.0 54.0





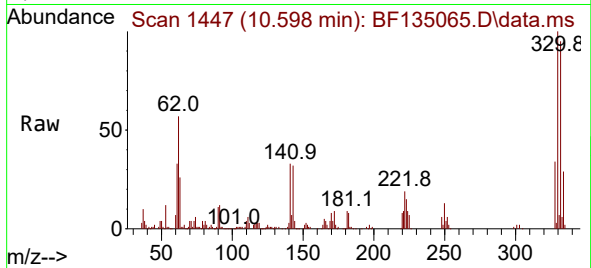
#42
2,4,6-Tribromophenol
Concen: 44.933 ng
RT: 10.598 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF135065.D
Acq: 01 Sep 2023 03:47

Instrument :

BNA_F

ClientSampleId :

BU-04-082923



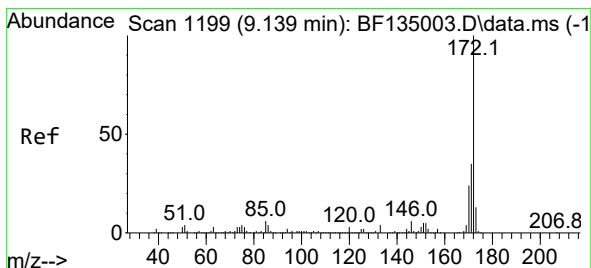
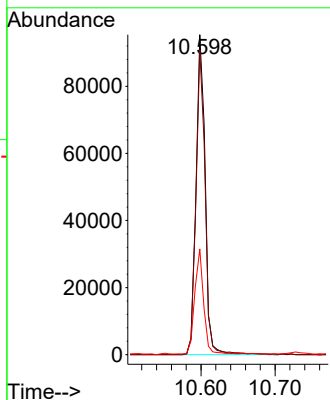
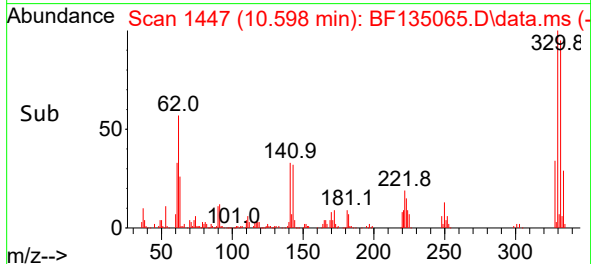
Tgt Ion:330 Resp: 81699
Ion Ratio Lower Upper
330 100
332 93.6 77.6 116.4
141 31.6 26.3 39.5

Manual Integrations

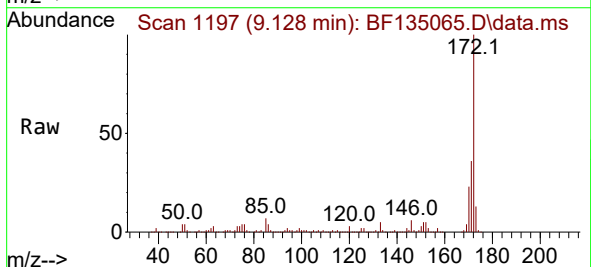
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Reviewed By :Yogesh Patel 09/01/2023

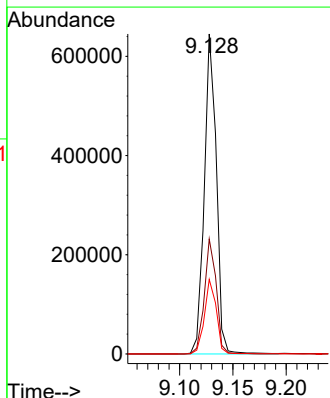
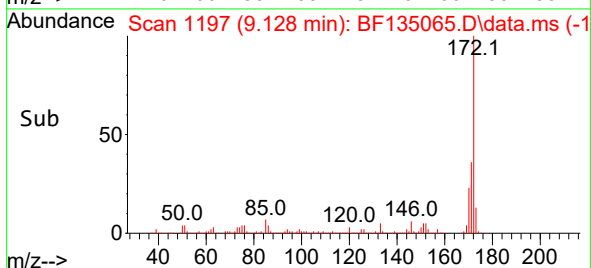
Supervised By :mohammad ahmed 09/01/2023

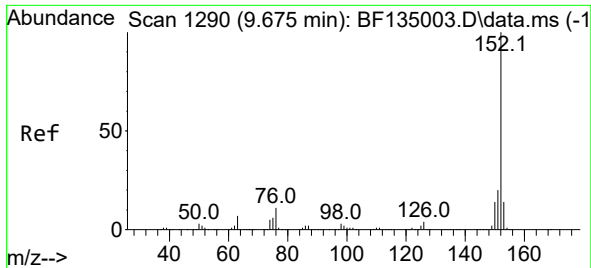


#45
2-Fluorobiphenyl
Concen: 48.367 ng
RT: 9.128 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF135065.D
Acq: 01 Sep 2023 03:47



Tgt Ion:172 Resp: 509199
Ion Ratio Lower Upper
172 100
171 35.9 28.2 42.2
170 23.3 19.0 28.4





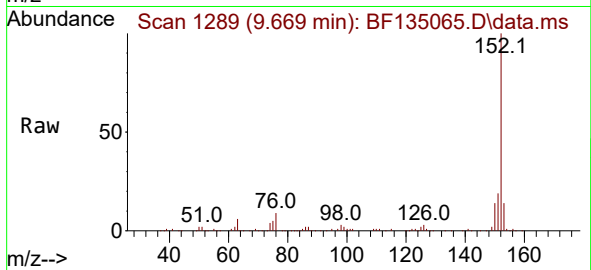
#49
Acenaphthylene
Concen: 6.038 ng
RT: 9.669 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135065.D
Acq: 01 Sep 2023 03:47

Instrument :

BNA_F

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BU-04-082923

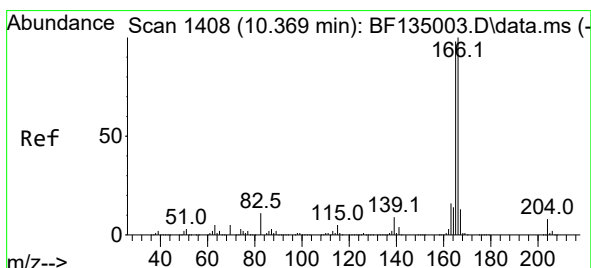
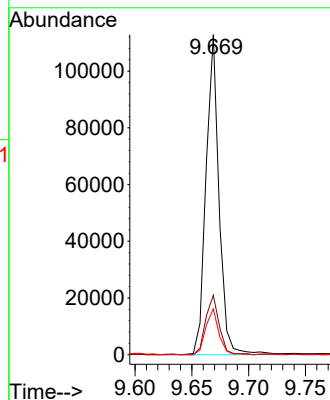
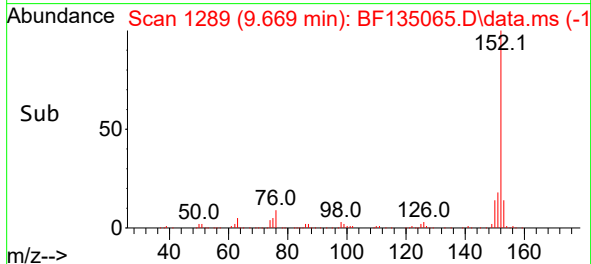


Tgt Ion:152 Resp: 89880
Ion Ratio Lower Upper
152 100
151 18.6 16.2 24.4
153 14.3 11.4 17.0

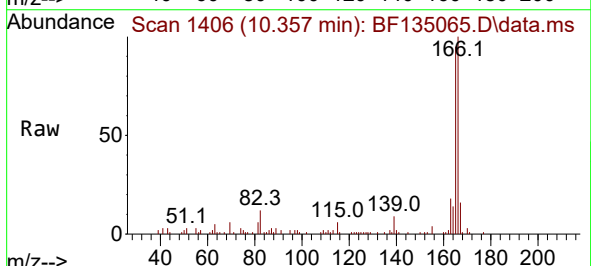
Manual Integrations

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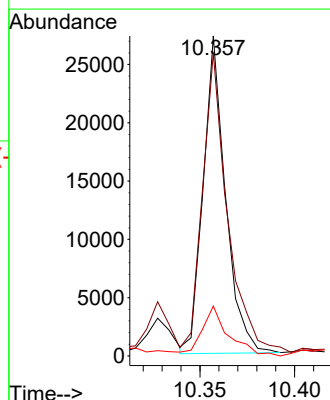
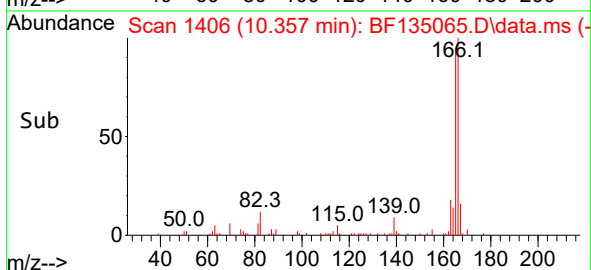
Reviewed By :Yogesh Patel 09/01/2023
Supervised By :mohammad ahmed 09/01/2023

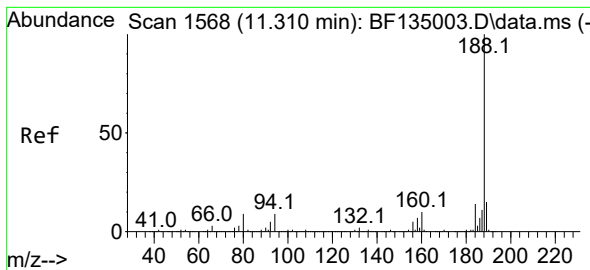


#58
Fluorene
Concen: 2.137 ng
RT: 10.357 min Scan# 1406
Delta R.T. -0.012 min
Lab File: BF135065.D
Acq: 01 Sep 2023 03:47



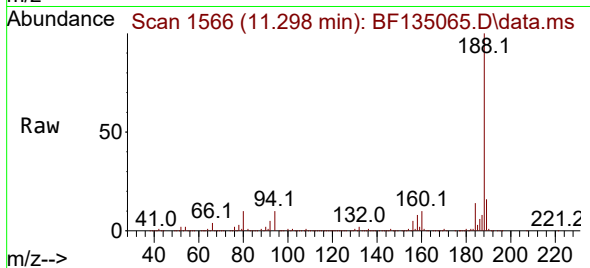
Tgt Ion:166 Resp: 22297
Ion Ratio Lower Upper
166 100
165 94.8 78.0 117.0
167 15.6 10.8 16.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135065.D
Acq: 01 Sep 2023 03:47

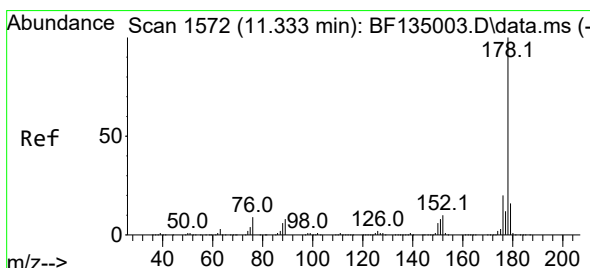
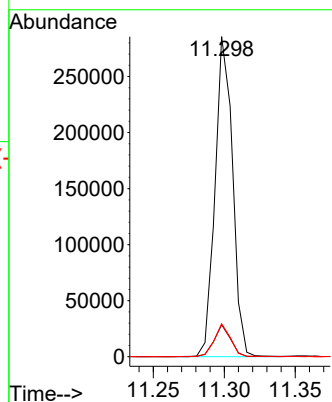
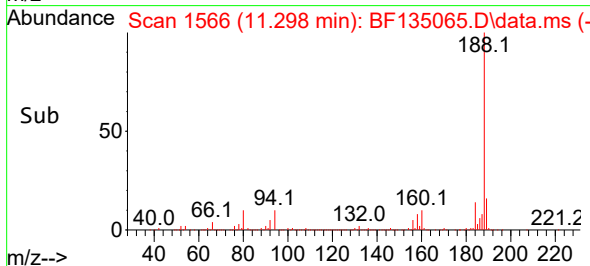
Instrument :
BNA_F
ClientSampleId :
BU-04-082923



Tgt Ion:188 Resp: 244584
Ion Ratio Lower Upper
188 100
94 10.0 7.0 10.4
80 10.3 7.4 11.2

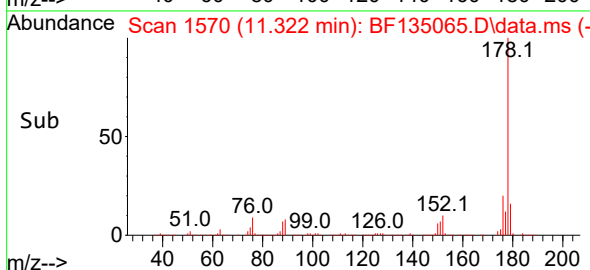
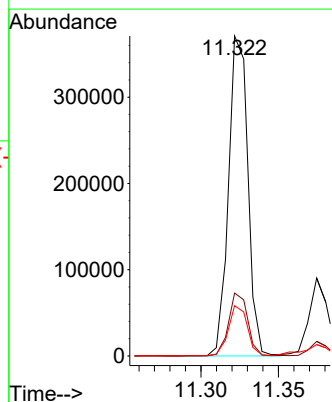
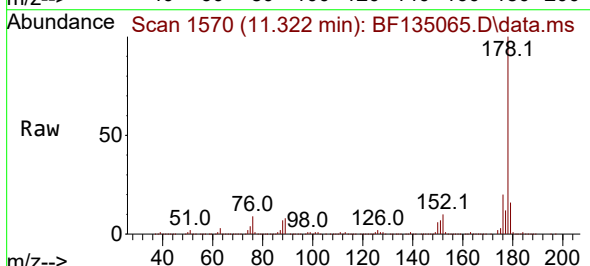
Manual Integrations
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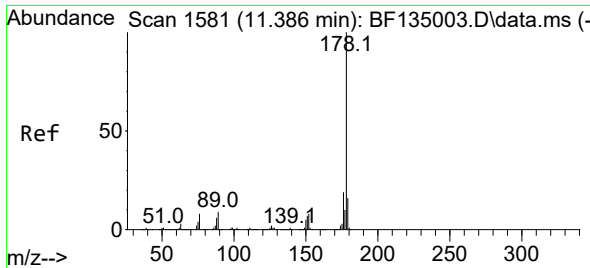
Reviewed By :Yogesh Patel 09/01/2023
Supervised By :mohammad ahmed 09/01/2023



#71
Phenanthrene
Concen: 25.591 ng
RT: 11.322 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF135065.D
Acq: 01 Sep 2023 03:47

Tgt Ion:178 Resp: 322911
Ion Ratio Lower Upper
178 100
176 19.6 15.9 23.9
179 15.7 12.5 18.7





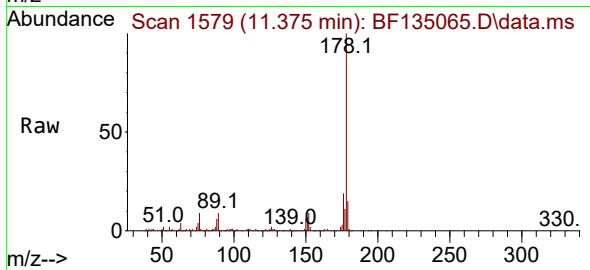
#72
 Anthracene
 Concen: 5.623 ng
 RT: 11.375 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF135065.D
 Acq: 01 Sep 2023 03:47

Instrument :

BNA_F

ClientSampleId :

BU-04-082923

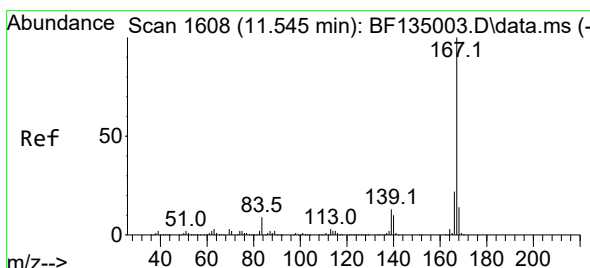
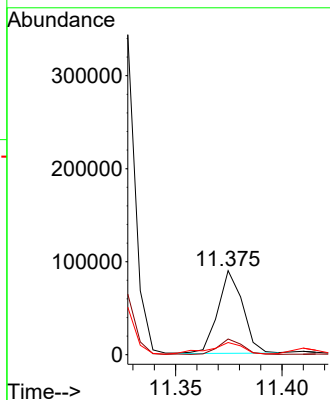
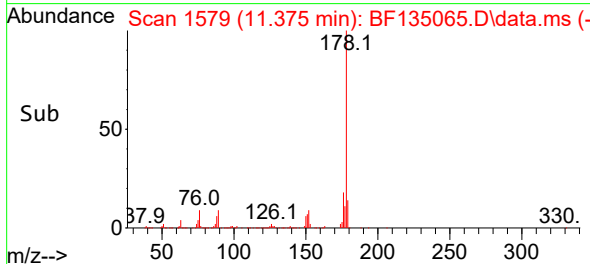


Tgt Ion:178 Resp: 7249
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.4 23.2
 179 14.5 12.8 19.2

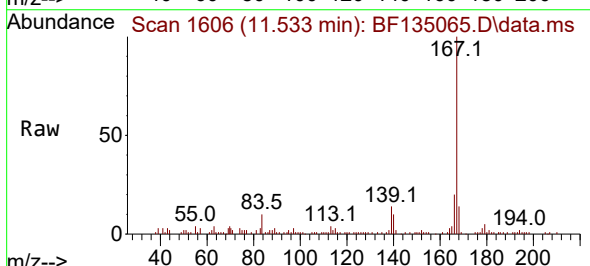
Manual Integrations

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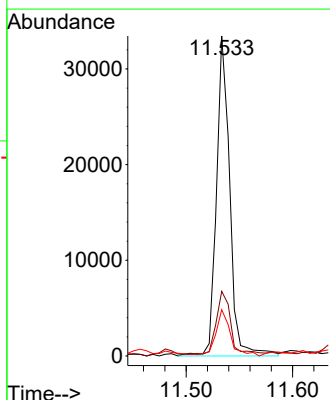
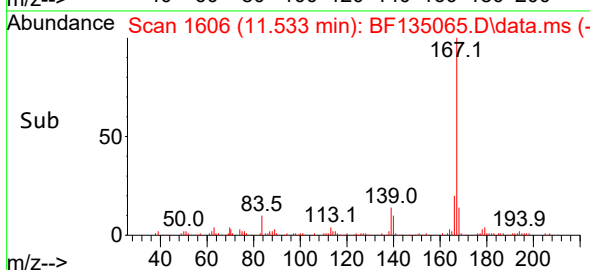
Reviewed By :Yogesh Patel 09/01/2023
 Supervised By :mohammad ahmed 09/01/2023

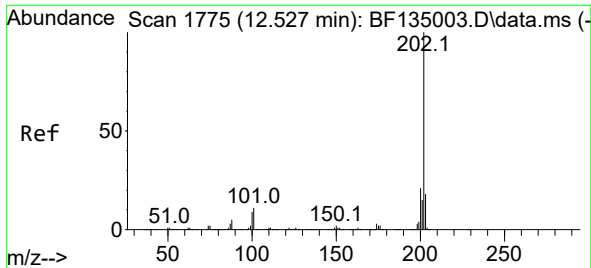


#73
 Carbazole
 Concen: 2.603 ng
 RT: 11.533 min Scan# 1606
 Delta R.T. -0.012 min
 Lab File: BF135065.D
 Acq: 01 Sep 2023 03:47



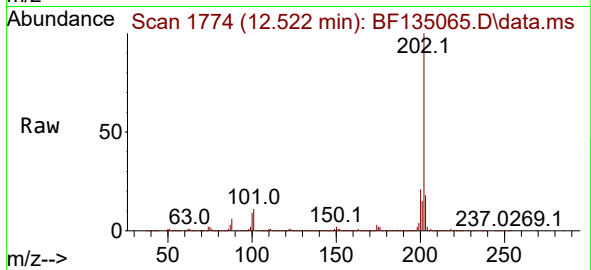
Tgt Ion:167 Resp: 28939
 Ion Ratio Lower Upper
 167 100
 166 20.2 17.4 26.2
 139 14.5 10.3 15.5





#75
Fluoranthene
Concen: 50.916 ng
RT: 12.522 min Scan# 1775
Delta R.T. -0.006 min
Lab File: BF135065.D
Acq: 01 Sep 2023 03:47

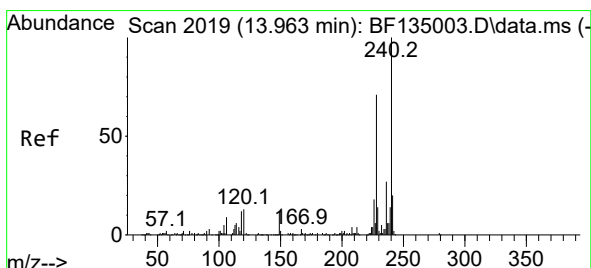
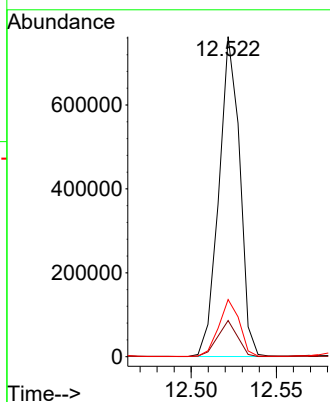
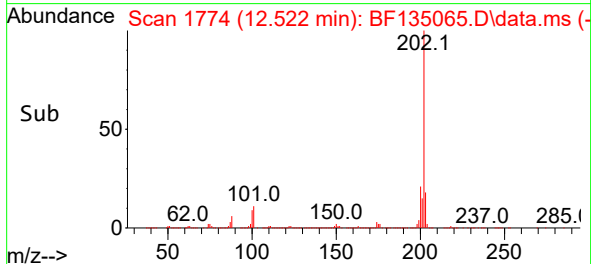
Instrument :
BNA_F
ClientSampleId :
BU-04-082923



Tgt Ion:202 Resp: 64957
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.5
203 17.9 0.0 37.8

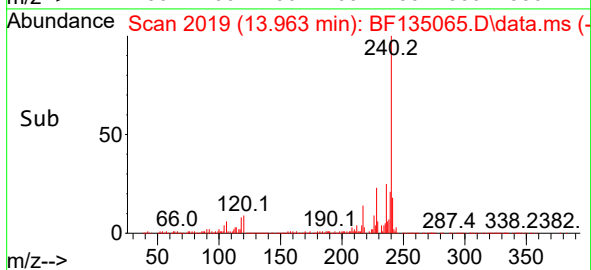
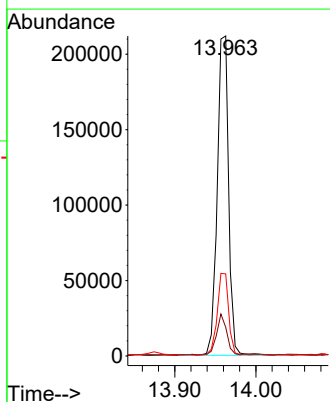
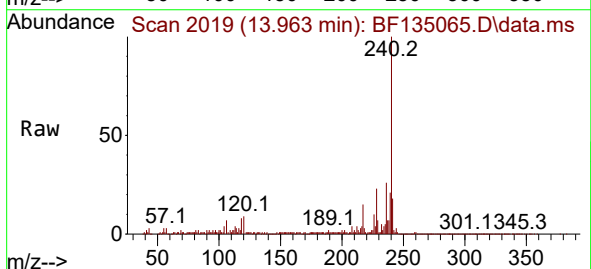
Manual Integrations
APPROVED

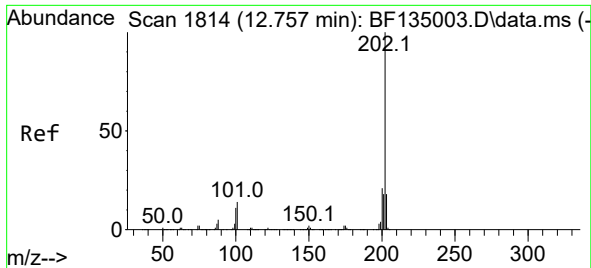
Reviewed By :Yogesh Patel 09/01/2023
Supervised By :mohammad ahmed 09/01/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF135065.D
Acq: 01 Sep 2023 03:47

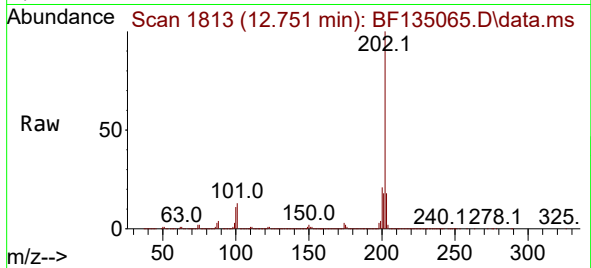
Tgt Ion:240 Resp: 206240
Ion Ratio Lower Upper
240 100
120 9.0 10.2 15.2#
236 25.7 21.3 31.9





#78
Pyrene
Concen: 30.298 ng
RT: 12.751 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF135065.D
Acq: 01 Sep 2023 03:47

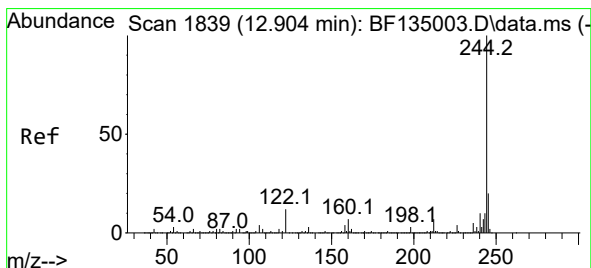
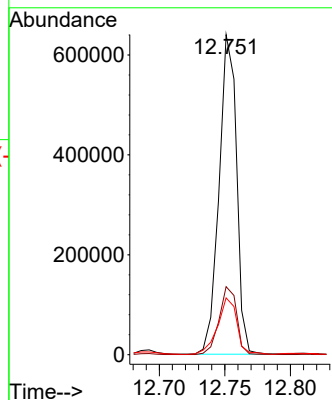
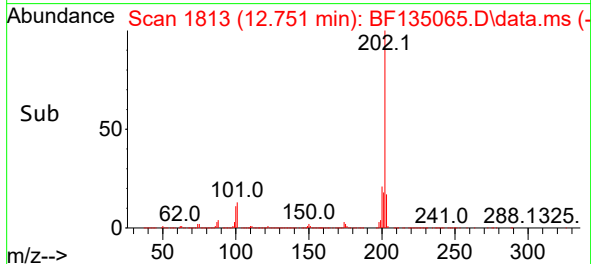
Instrument :
BNA_F
ClientSampleId :
BU-04-082923



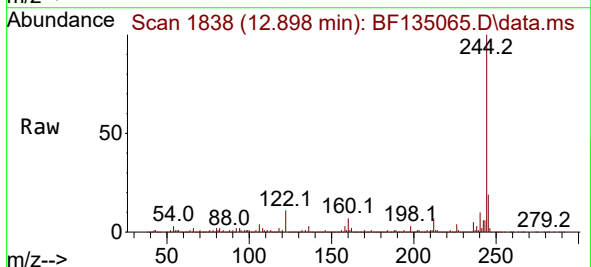
Tgt Ion:202 Resp: 59328
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.6
203 17.8 14.2 21.2

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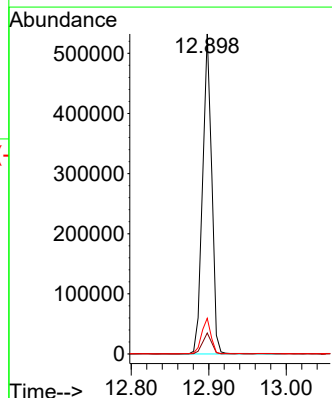
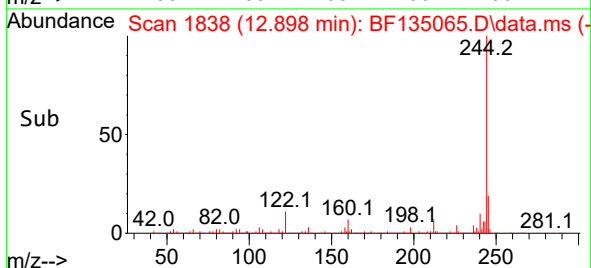
Reviewed By :Yogesh Patel 09/01/2023
Supervised By :mohammad ahmed 09/01/2023

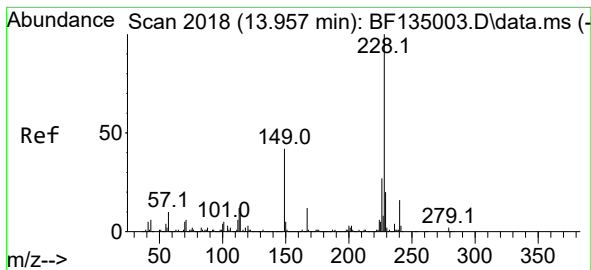


#79
Terphenyl-d14
Concen: 34.439 ng
RT: 12.898 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF135065.D
Acq: 01 Sep 2023 03:47



Tgt Ion:244 Resp: 435245
Ion Ratio Lower Upper
244 100
212 6.6 5.6 8.4
122 11.2 9.8 14.6





#81

Benzo(a)anthracene

Concen: 23.646 ng m

RT: 13.951 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF135065.D

Acq: 01 Sep 2023 03:47

Instrument :

BNA_F

ClientSampleId :

BU-04-082923

Tgt Ion:228 Resp: 33266

Ion Ratio Lower Upper

228 100

226 34.7 21.6 32.4

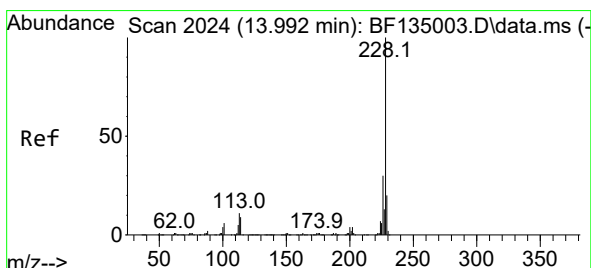
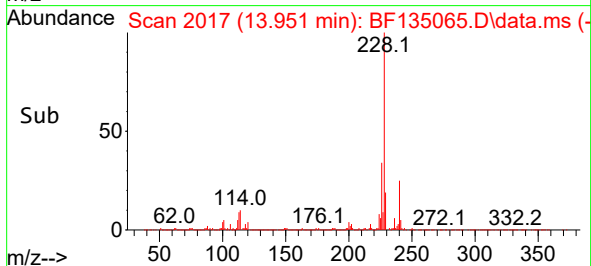
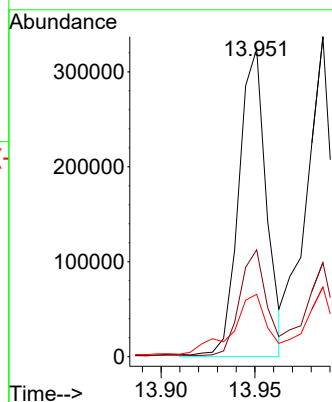
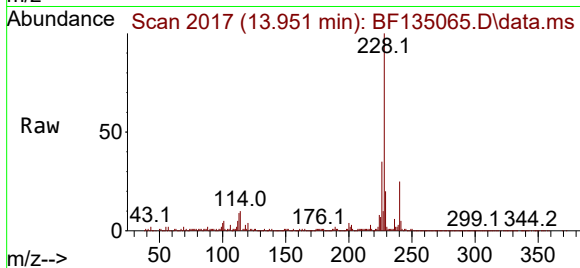
229 20.3 15.6 23.4

Manual Integrations

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Reviewed By :Yogesh Patel 09/01/2023

Supervised By :mohammad ahmed 09/01/2023



#83

Chrysene

Concen: 23.423 ng

RT: 13.986 min Scan# 2023

Delta R.T. -0.006 min

Lab File: BF135065.D

Acq: 01 Sep 2023 03:47

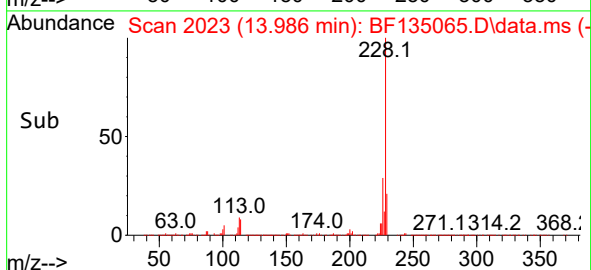
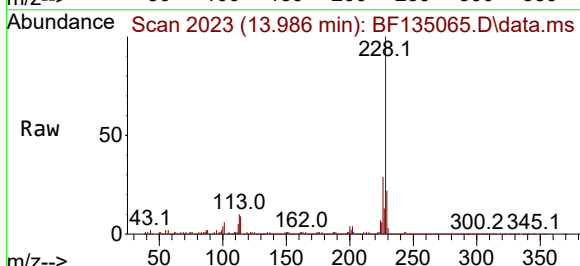
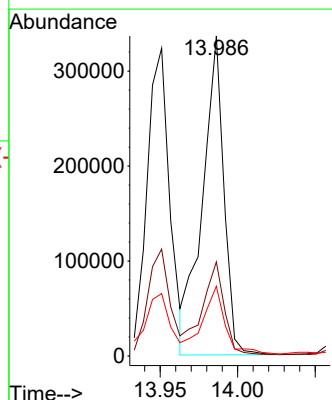
Tgt Ion:228 Resp: 323840

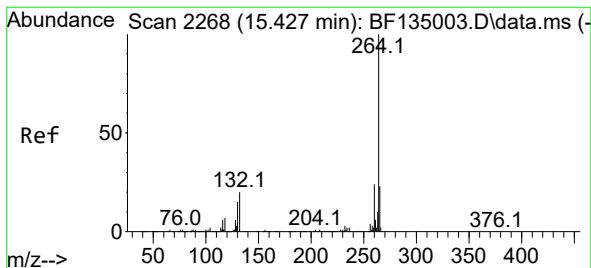
Ion Ratio Lower Upper

228 100

226 29.4 24.2 36.4

229 21.8 15.9 23.9





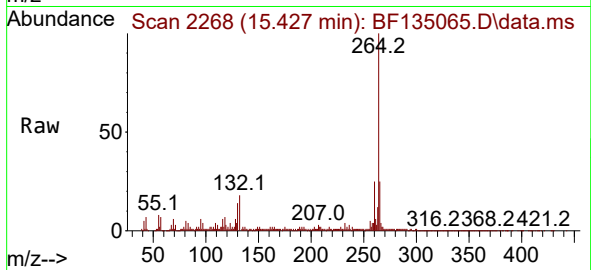
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF135065.D
Acq: 01 Sep 2023 03:47

Instrument :

BNA_F

ClientSampleId :

BU-04-082923

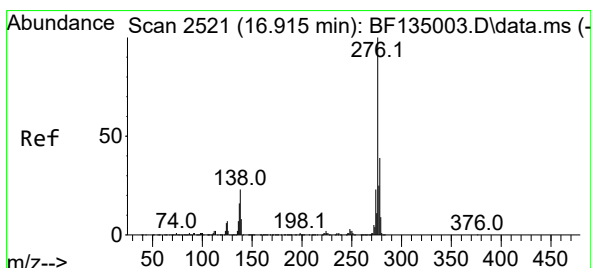
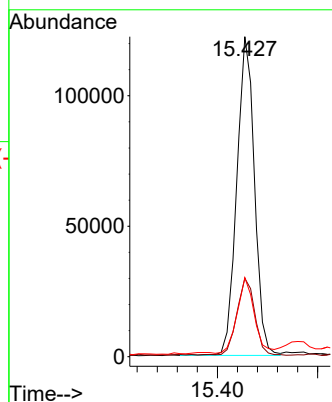
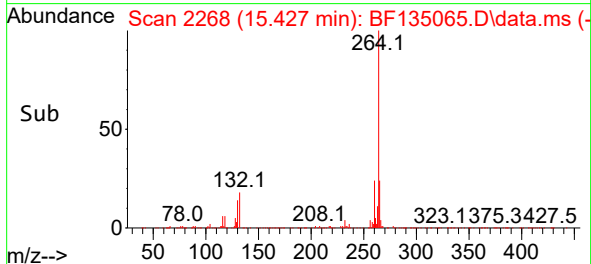


Tgt Ion:264 Resp: 149864
Ion Ratio Lower Upper
264 100
260 24.5 19.0 28.6
265 24.7 18.2 27.2

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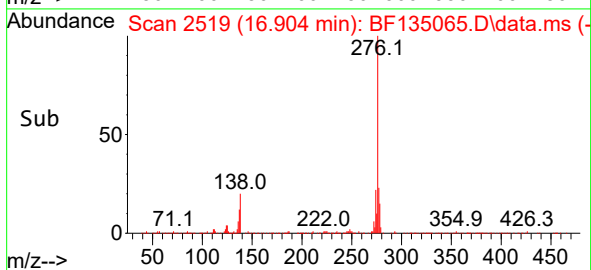
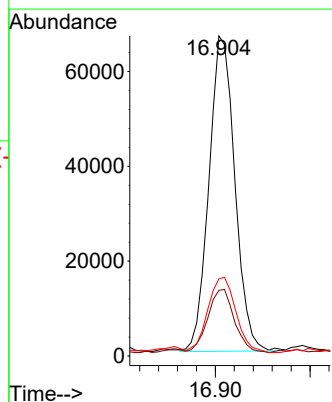
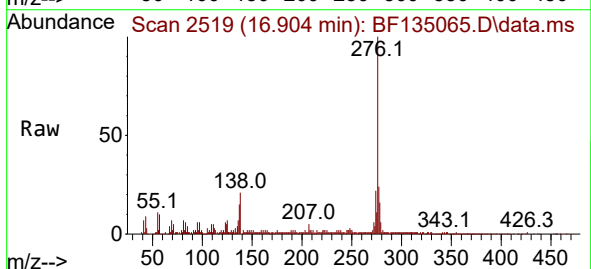
APPROVED

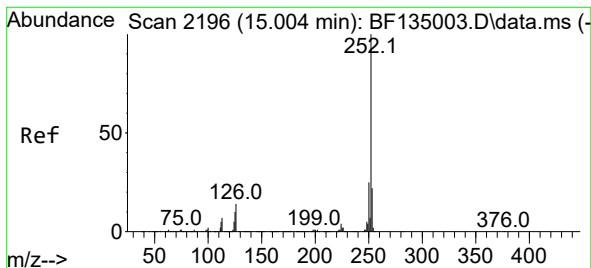
Reviewed By :Yogesh Patel 09/01/2023
Supervised By :mohammad ahmed 09/01/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 12.531 ng
RT: 16.904 min Scan# 2519
Delta R.T. -0.012 min
Lab File: BF135065.D
Acq: 01 Sep 2023 03:47

Tgt Ion:276 Resp: 126494
Ion Ratio Lower Upper
276 100
138 20.6 20.2 30.2
277 25.8 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 38.015 ng m

RT: 15.004 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF135065.D

Acq: 01 Sep 2023 03:47

Instrument :

BNF

ClientSampleId :

BU-04-082923

Tgt Ion:252 Resp: 35448

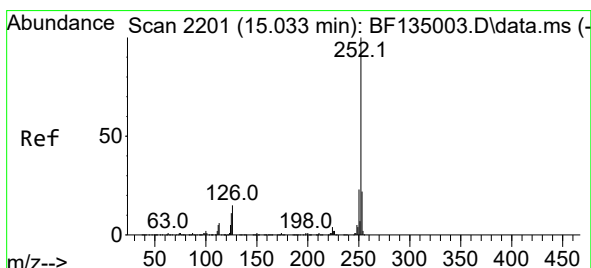
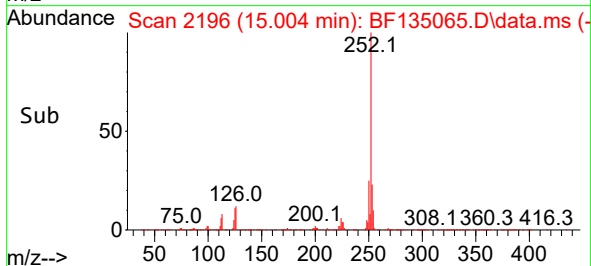
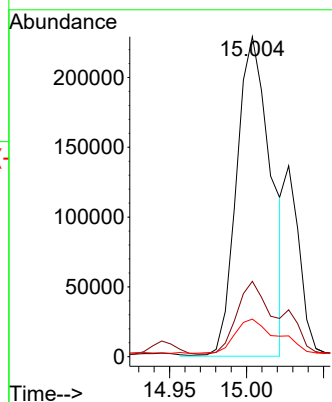
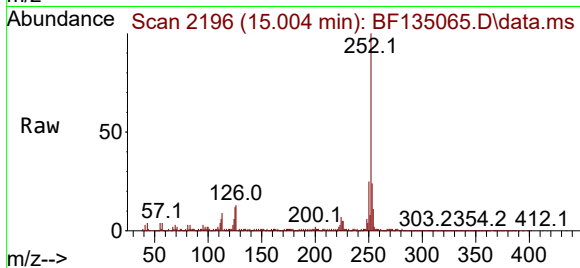
Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.8
125	11.8	8.4	12.6

Manual Integrations

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Reviewed By :Yogesh Patel 09/01/2023

Supervised By :mohammad ahmed 09/01/2023



#89

Benzo(k)fluoranthene

Concen: 10.358 ng m

RT: 15.027 min Scan# 2200

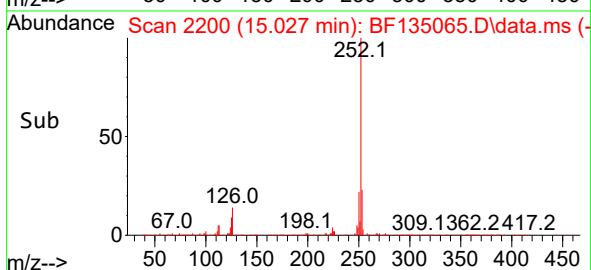
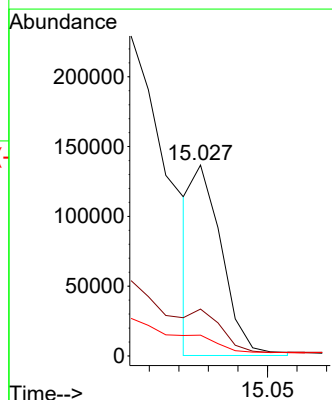
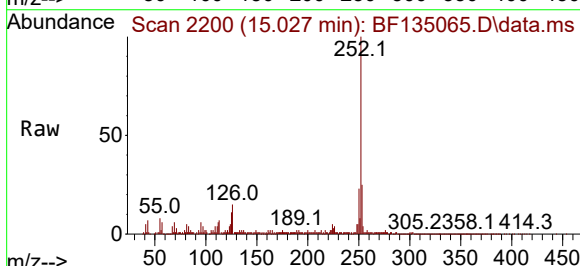
Delta R.T. -0.006 min

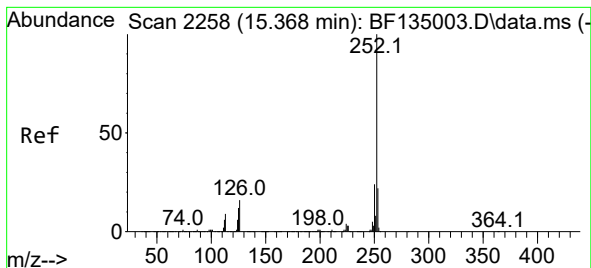
Lab File: BF135065.D

Acq: 01 Sep 2023 03:47

Tgt Ion:252 Resp: 93309

Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.4	26.0
125	10.9	8.5	12.7





#90

Benzo(a)pyrene

Concen: 22.483 ng

RT: 15.368 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF135065.D

Acq: 01 Sep 2023 03:47

Instrument :

BNA_F

ClientSampleId :

BU-04-082923

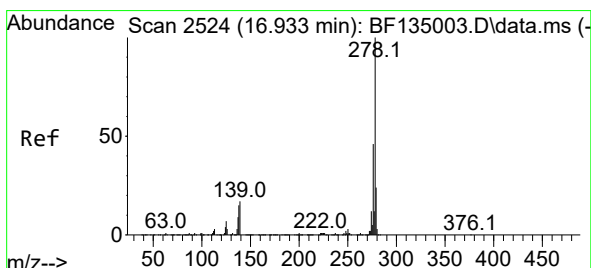
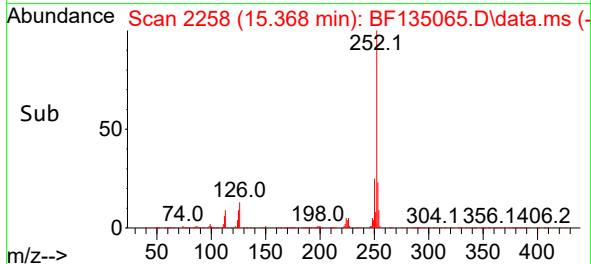
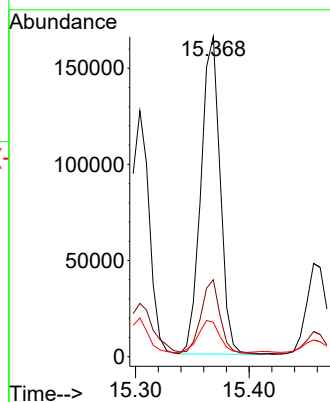
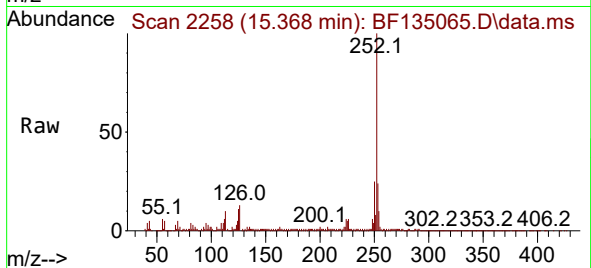
Tgt Ion:252 Resp: 194754
 Ion Ratio Lower Upper
 252 100
 253 24.0 17.4 26.0
 125 10.8 9.5 14.3

Manual Integrations

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Reviewed By :Yogesh Patel 09/01/2023

Supervised By :mohammad ahmed 09/01/2023



#91

Dibenzo(a,h)anthracene

Concen: 4.044 ng m

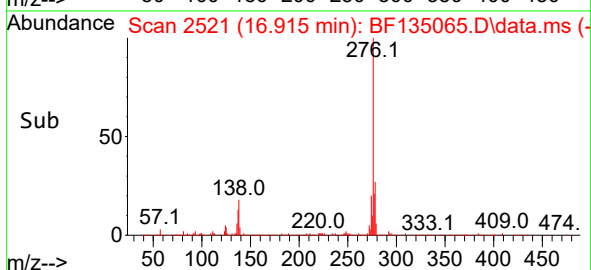
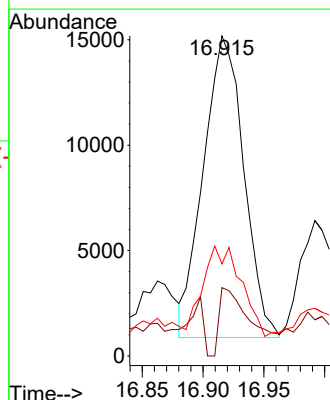
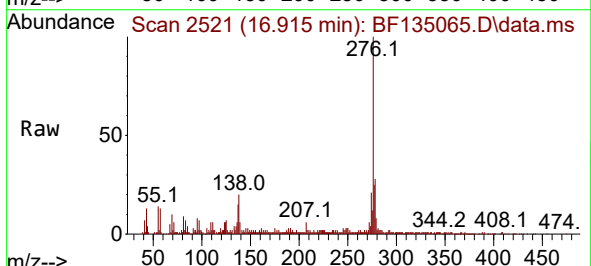
RT: 16.915 min Scan# 2521

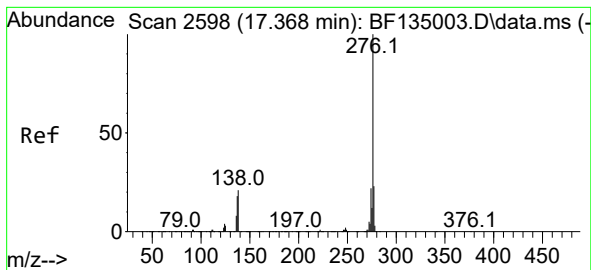
Delta R.T. -0.017 min

Lab File: BF135065.D

Acq: 01 Sep 2023 03:47

Tgt Ion:278 Resp: 33061
 Ion Ratio Lower Upper
 278 100
 139 21.3 13.4 20.2#
 279 28.8 19.5 29.3





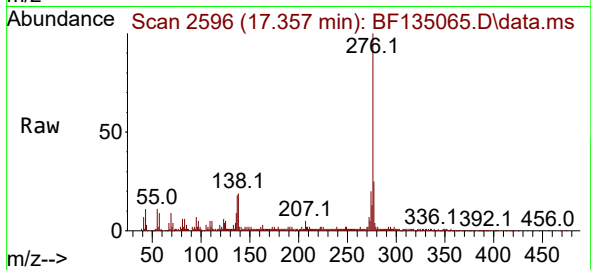
#92
Benzo(g,h,i)perylene
Concen: 13.864 ng
RT: 17.357 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF135065.D
Acq: 01 Sep 2023 03:47

Instrument :

BNA_F

ClientSampleId :

BU-04-082923



Tgt Ion:276 Resp: 11788
Ion Ratio Lower Upper
276 100
277 25.1 18.5 27.7
138 19.4 17.1 25.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/01/2023

Supervised By :mohammad ahmed 09/01/2023

