

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062023\
 Data File : BF133859.D
 Acq On : 20 Jun 2023 16:41
 Operator : CG\JU
 Sample : 03214-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HYATT-PIPE-TP

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/21/2023
 Supervised By :mohammad ahmed 06/21/2023

Quant Time: Jun 20 17:22:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 13:43:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	82312	20.000	ng	0.00
21) Naphthalene-d8	8.133	136	293287	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	127432	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	222363	20.000	ng	0.00
76) Chrysene-d12	14.051	240	185335	20.000	ng	0.00
86) Perylene-d12	15.556	264	149624	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	123086	26.033	ng	0.00
7) Phenol-d6	6.486	99	147295	23.933	ng	0.00
23) Nitrobenzene-d5	7.416	82	91441	16.982	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	35412	21.953	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	179292	20.000	ng	0.00
79) Terphenyl-d14	12.980	244	174245	14.548	ng	0.00
Target Compounds					Qvalue	
31) Naphthalene	8.157	128	73148	5.119	ng	100
37) 2-Methylnaphthalene	8.851	142	49955	5.032	ng	100
38) 1-Methylnaphthalene	8.945	142	22861	2.502	ng	95
49) Acenaphthylene	9.757	152	133324	10.390	ng	99
71) Phenanthrene	11.410	178	65289	5.787	ng	100
72) Anthracene	11.463	178	37957	3.227	ng	99
75) Fluoranthene	12.610	202	146100	12.195	ng	97
78) Pyrene	12.839	202	358847	20.785	ng	98
81) Benzo(a)anthracene	14.039	228	115414m	9.003	ng	
83) Chrysene	14.074	228	127093	10.482	ng	96
87) Indeno(1,2,3-cd)pyrene	17.098	276	79531	7.726	ng	98
88) Benzo(b)fluoranthene	15.109	252	107391m	11.815	ng	
89) Benzo(k)fluoranthene	15.139	252	34768m	3.927	ng	
90) Benzo(a)pyrene	15.492	252	107814	12.781	ng	98
91) Dibenzo(a,h)anthracene	17.109	278	17351	2.036	ng	# 79
92) Benzo(g,h,i)perylene	17.568	276	142014	16.808	ng	99

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

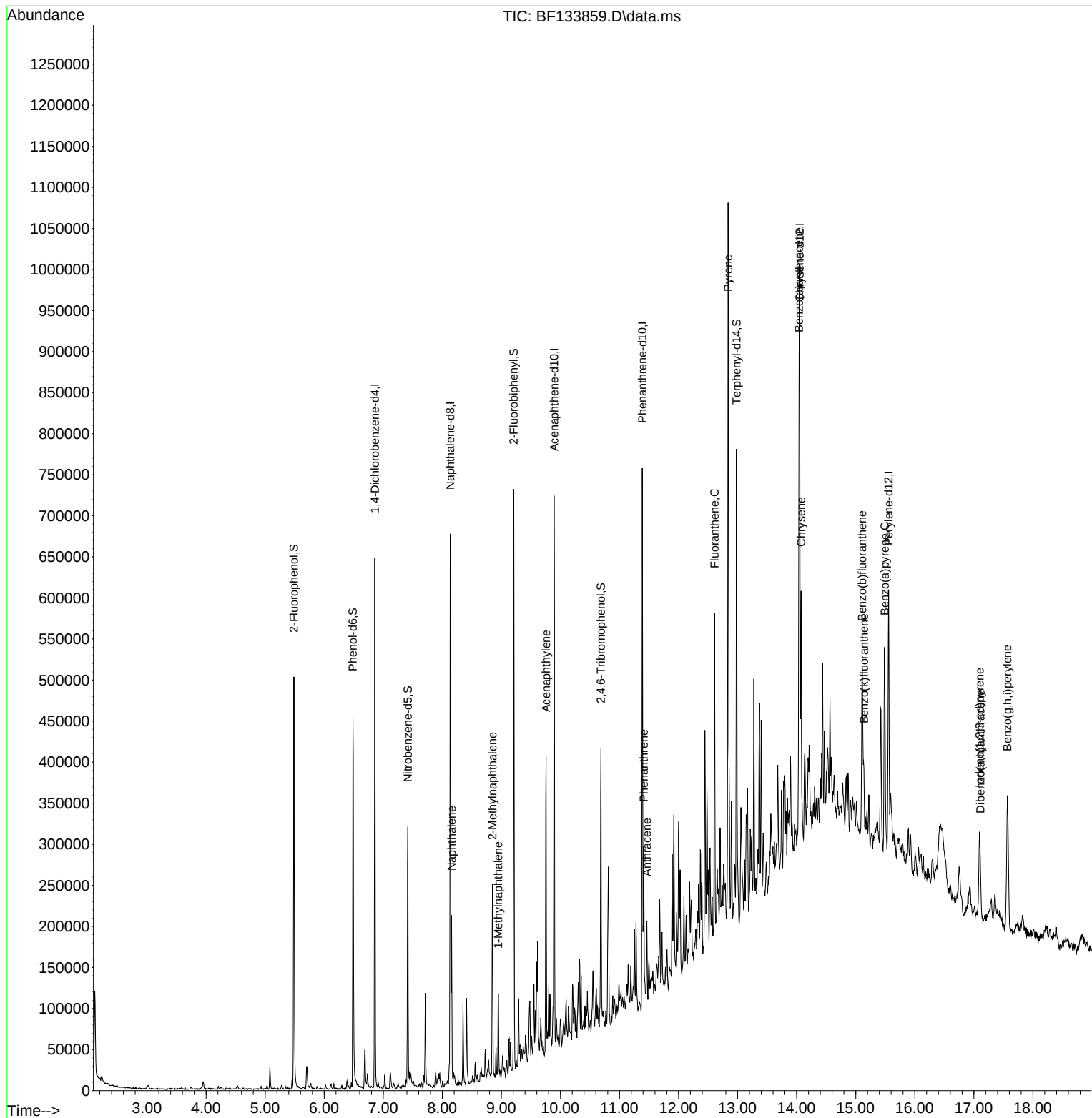
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062023\
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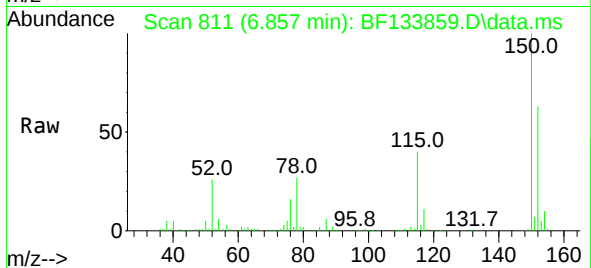
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF133859.D
Acq: 20 Jun 2023 16:41

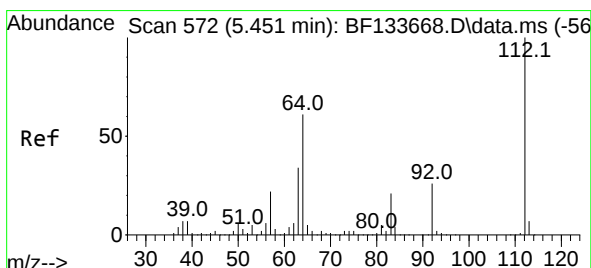
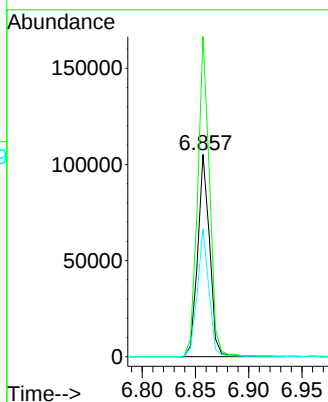
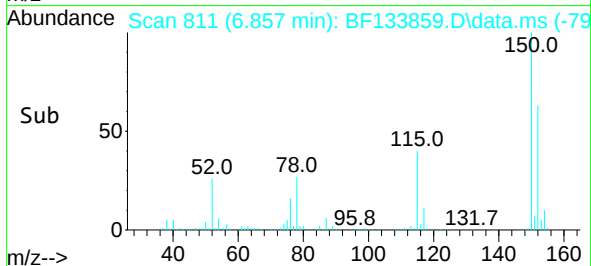
Instrument :
BNA_F
ClientSampleId :
HYATT-PIPE-TP



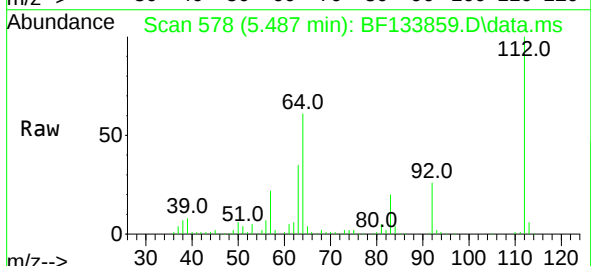
Tgt Ion:152 Resp: 82312
Ion Ratio Lower Upper
152 100
150 158.2 124.3 186.5
115 63.3 48.5 72.7

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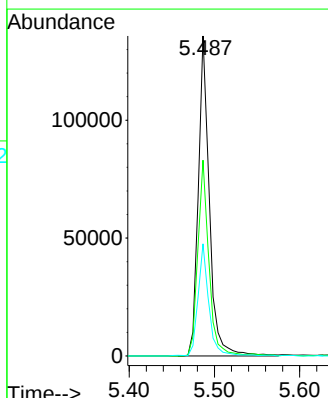
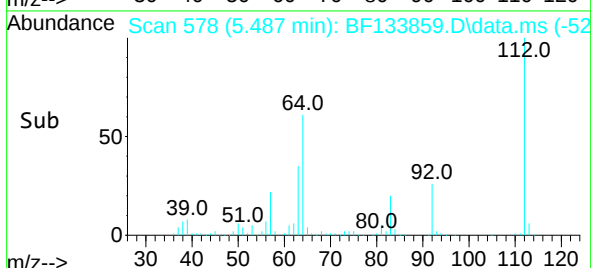
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023

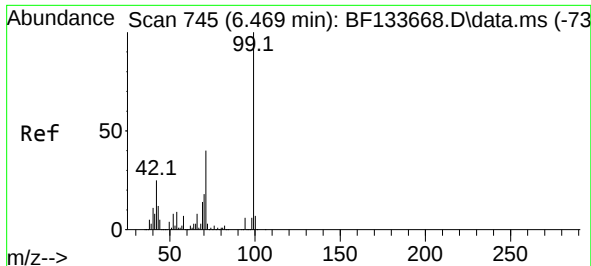


#5
2-Fluorophenol
Concen: 26.033 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.000 min
Lab File: BF133859.D
Acq: 20 Jun 2023 16:41



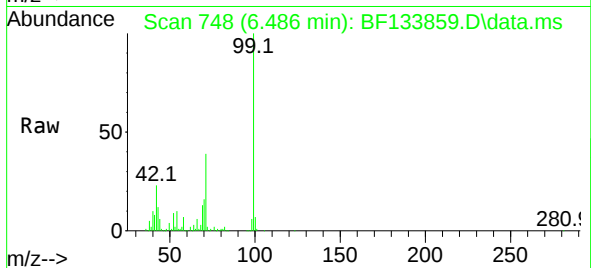
Tgt Ion:112 Resp: 123086
Ion Ratio Lower Upper
112 100
64 61.2 49.0 73.4
63 35.1 26.8 40.2





#7
Phenol-d6
Concen: 23.933 ng
RT: 6.486 min Scan# 745
Delta R.T. -0.006 min
Lab File: BF133859.D
Acq: 20 Jun 2023 16:41

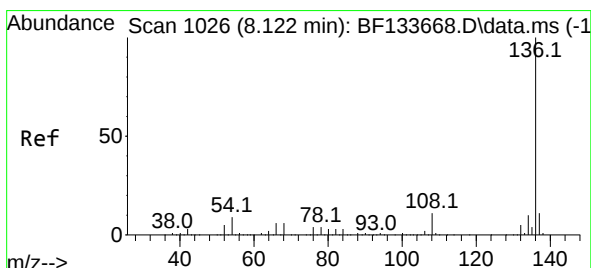
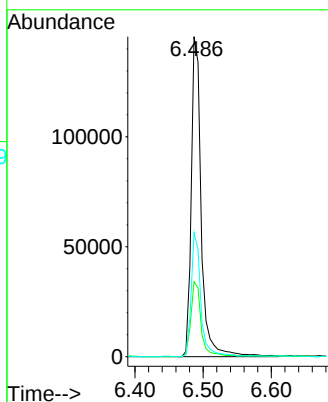
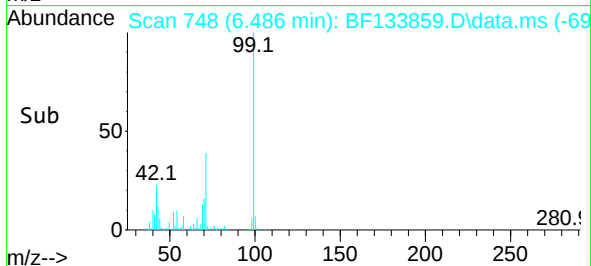
Instrument :
BNA_F
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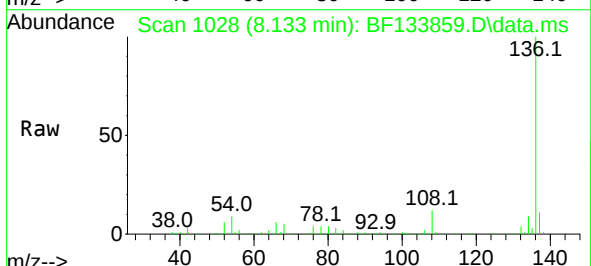
Tgt Ion: 99 Resp: 147295
Ion Ratio Lower Upper
99 100
42 23.5 19.9 29.9
71 38.8 32.2 48.4

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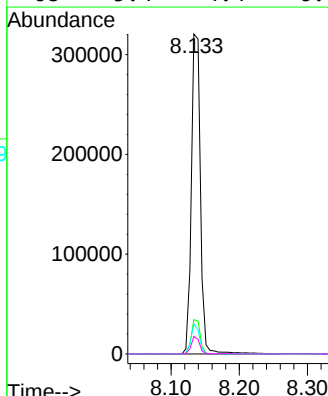
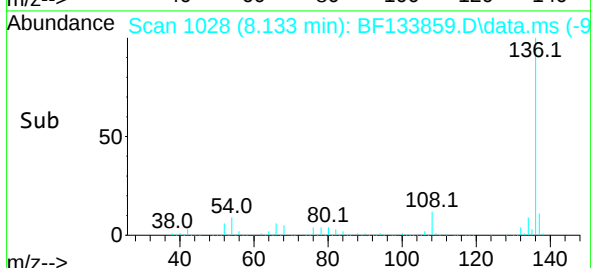
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023

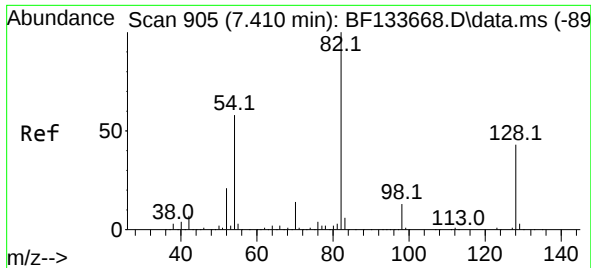


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.133 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF133859.D
Acq: 20 Jun 2023 16:41



Tgt Ion:136 Resp: 293287
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 9.4 7.4 11.0
68 5.4 4.4 6.6





#23

Nitrobenzene-d5

Concen: 16.982 ng

RT: 7.416 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF133859.D

Acq: 20 Jun 2023 16:41

Instrument :

BNA_F

ClientSampleId :

HYATT-PIPE-TP

Tgt Ion: 82 Resp: 9144

Ion Ratio Lower Upper

82 100

128 45.4 34.2 51.2

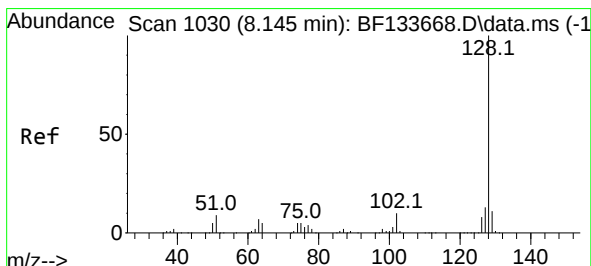
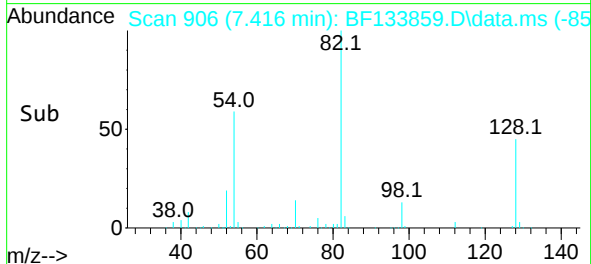
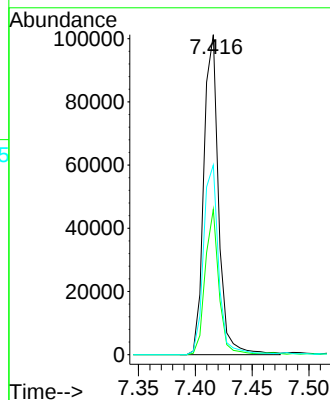
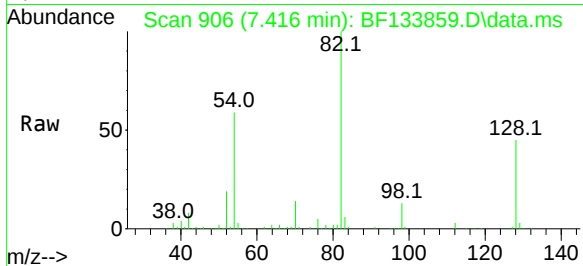
54 59.2 46.5 69.7

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#31

Naphthalene

Concen: 5.119 ng

RT: 8.157 min Scan# 1032

Delta R.T. -0.006 min

Lab File: BF133859.D

Acq: 20 Jun 2023 16:41

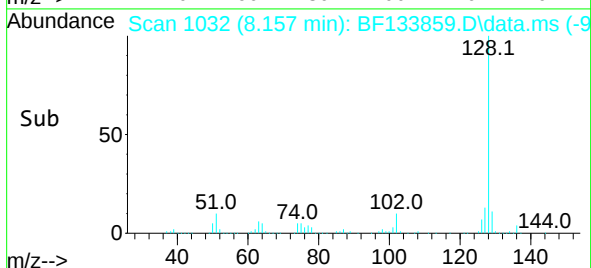
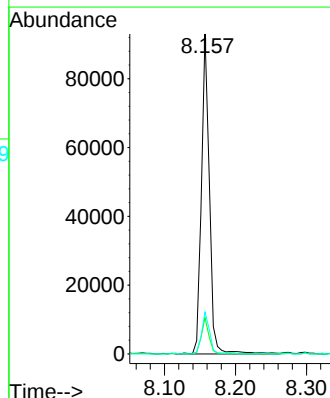
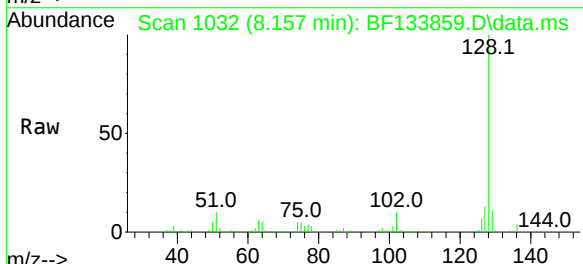
Tgt Ion:128 Resp: 73148

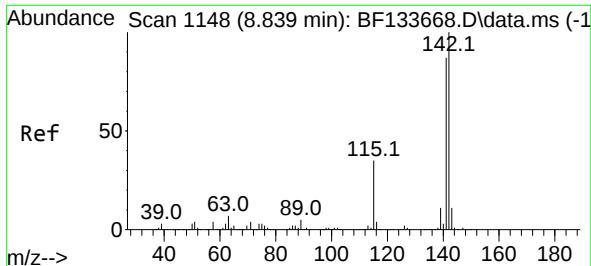
Ion Ratio Lower Upper

128 100

129 11.3 8.9 13.3

127 13.1 10.5 15.7





#37

2-Methylnaphthalene

Concen: 5.032 ng

RT: 8.851 min Scan# 1148

Delta R.T. -0.000 min

Lab File: BF133859.D

Acq: 20 Jun 2023 16:41

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:142 Resp: 4995

Ion Ratio Lower Upper

142 100

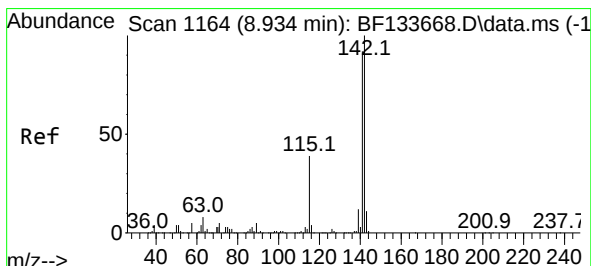
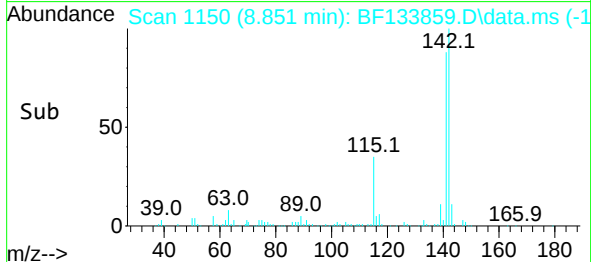
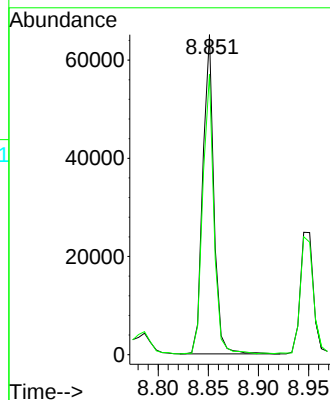
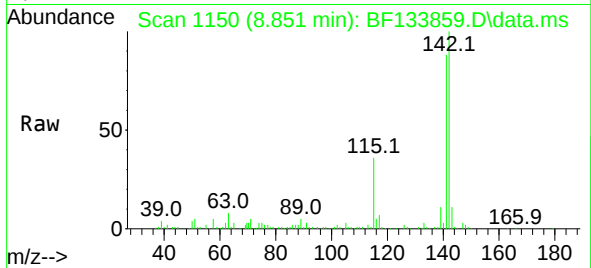
141 87.6 69.8 104.8

Manual Integrations

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Supervised By :mohammad ahmed 06/21/2023



#38

1-Methylnaphthalene

Concen: 2.502 ng

RT: 8.945 min Scan# 1166

Delta R.T. -0.006 min

Lab File: BF133859.D

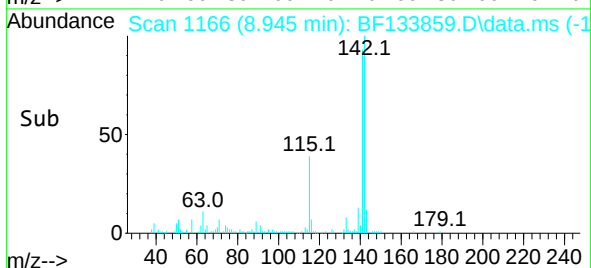
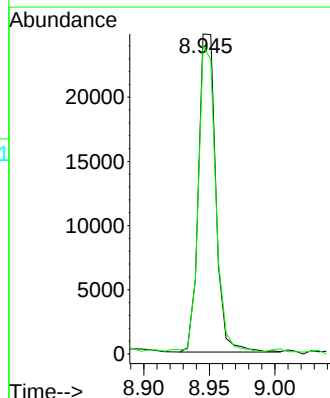
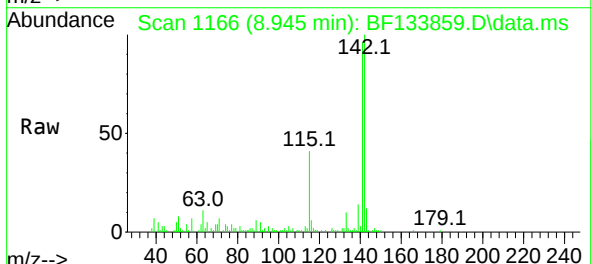
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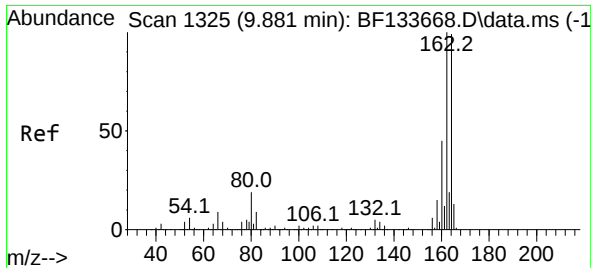
Tgt Ion:142 Resp: 22861

Ion Ratio Lower Upper

142 100

141 96.3 73.4 110.0





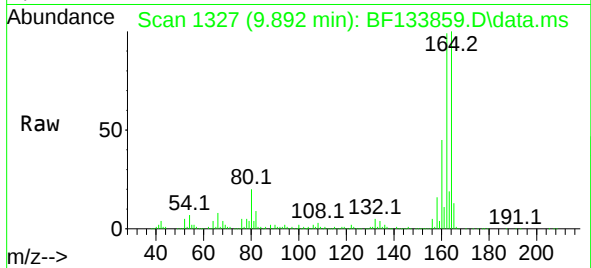
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133859.D
Acq: 20 Jun 2023 16:41

Instrument :

BNA_F

ClientSampleId :

HYATT-PIPE-TP

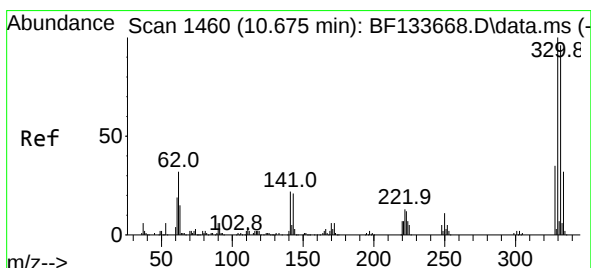
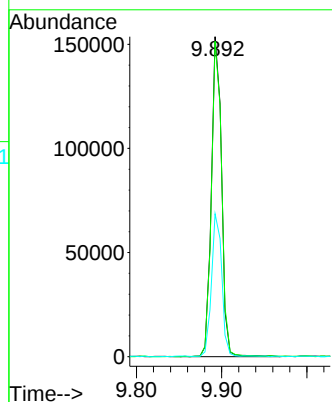
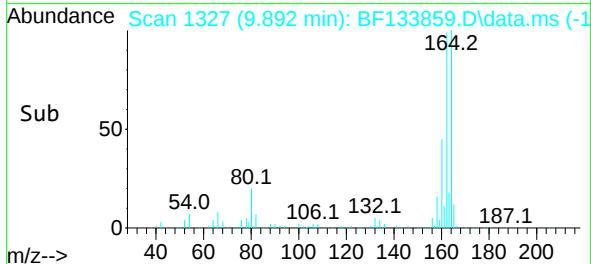


Tgt Ion:164 Resp: 12743
Ion Ratio Lower Upper
164 100
162 98.5 80.8 121.2
160 44.6 36.7 55.1

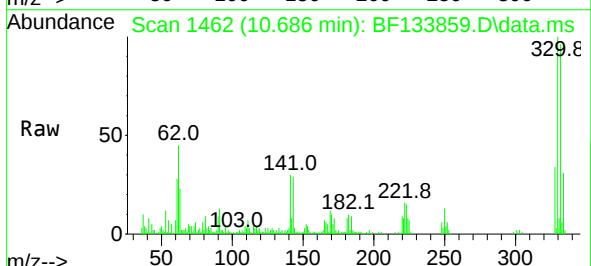
Manual Integrations

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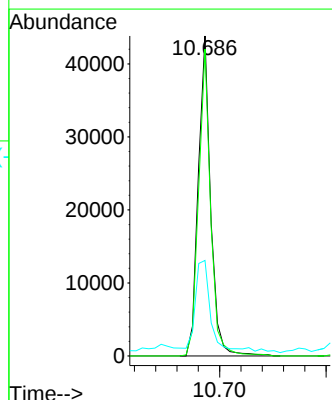
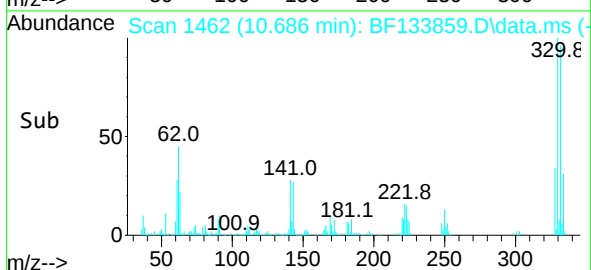
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Supervised By :mohammad ahmed 06/21/2023

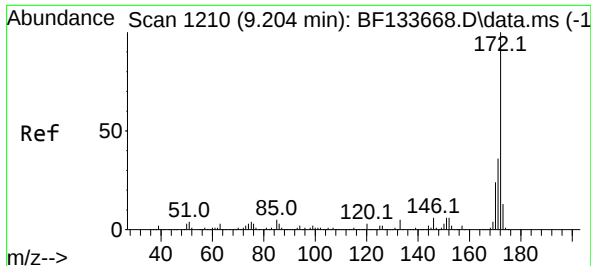


#42
2,4,6-Tribromophenol
Concen: 21.953 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF133859.D
Acq: 20 Jun 2023 16:41



Tgt Ion:330 Resp: 35412
Ion Ratio Lower Upper
330 100
332 93.5 77.2 115.8
141 38.0 24.9 37.3#





#45

2-Fluorobiphenyl

Concen: 20.000 ng

RT: 9.210 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133859.D

Acq: 20 Jun 2023 16:41

Instrument :

BNA_F

ClientSampleId :

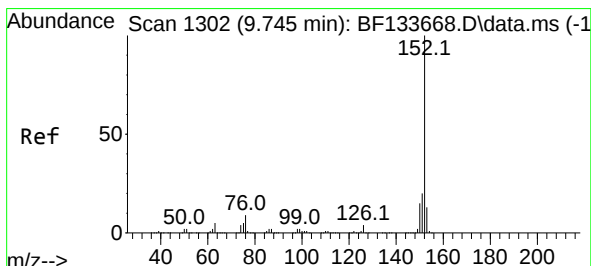
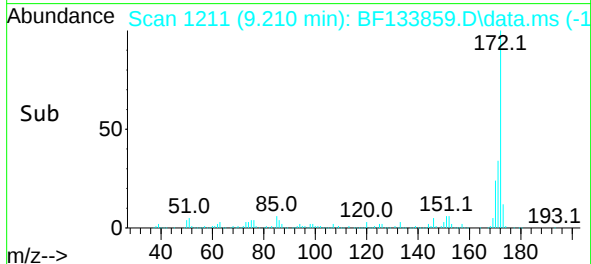
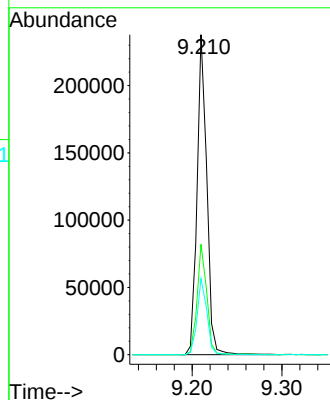
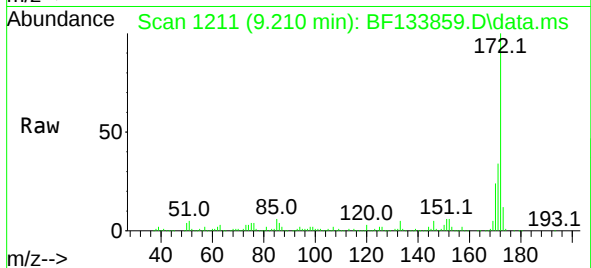
HYATT-PIPE-TP

Tgt Ion:172 Resp: 179292
 Ion Ratio Lower Upper
 172 100
 171 34.5 28.6 43.0
 170 23.7 19.1 28.7

Manual Integrations

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#49

Acenaphthylene

Concen: 10.390 ng

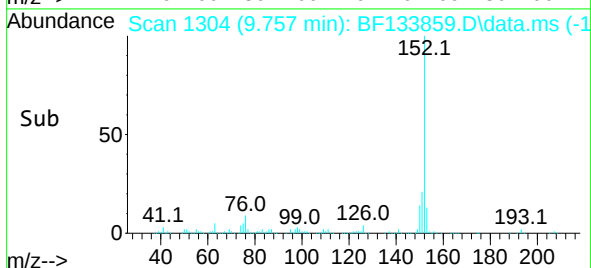
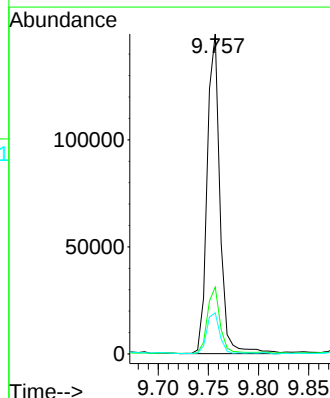
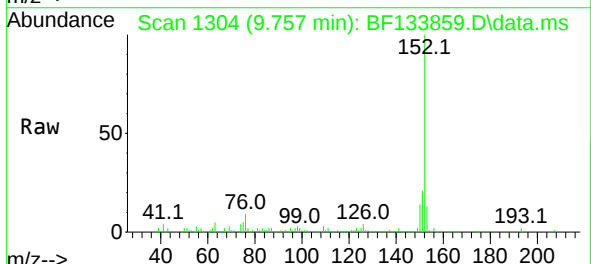
RT: 9.757 min Scan# 1304

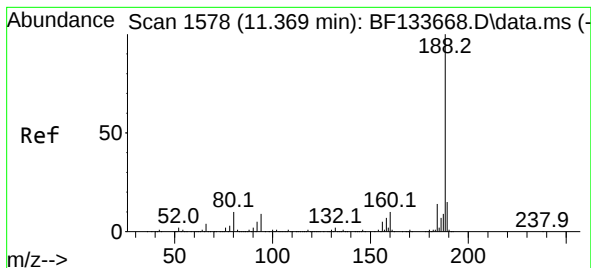
Delta R.T. -0.000 min

Lab File: BF133859.D

Acq: 20 Jun 2023 16:41

Tgt Ion:152 Resp: 133324
 Ion Ratio Lower Upper
 152 100
 151 20.9 16.2 24.4
 153 12.9 10.4 15.6





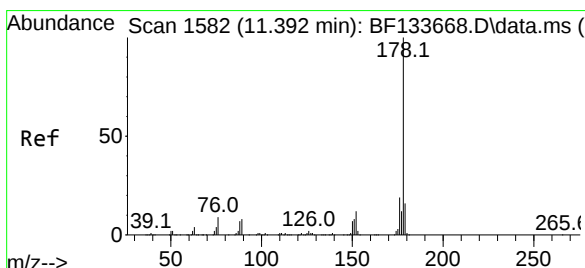
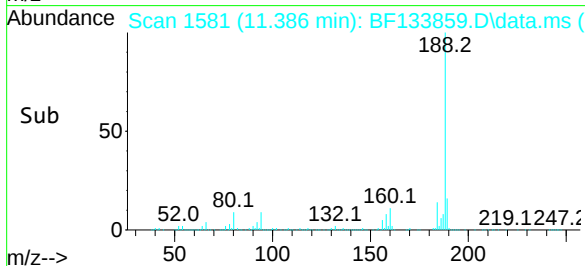
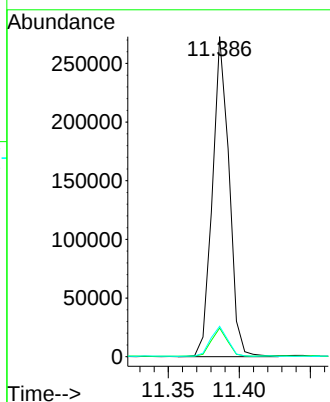
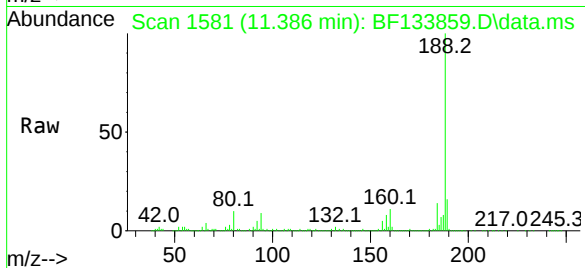
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.000 min
Lab File: BF133859.D
Acq: 20 Jun 2023 16:41

Instrument :
BNA_F
ClientSampleId :
HYATT-PIPE-TP

Tgt Ion:188 Resp: 22236
Ion Ratio Lower Upper
188 100
94 9.0 6.8 10.2
80 9.5 7.8 11.6

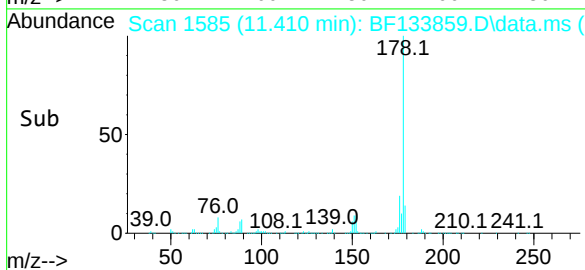
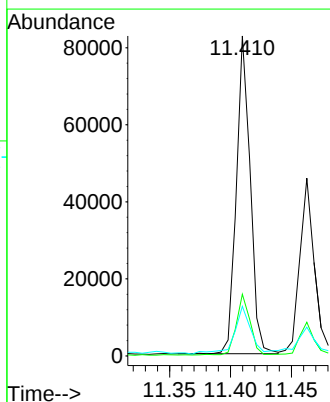
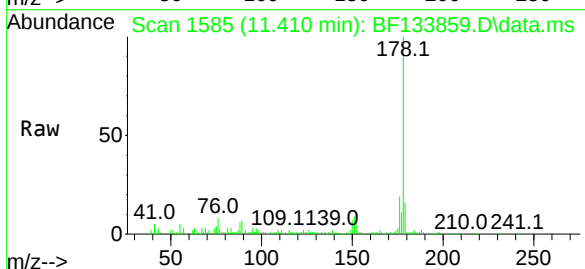
Manual Integrations
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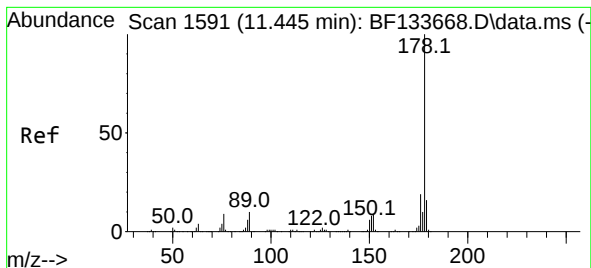
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023



#71
Phenanthrene
Concen: 5.787 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF133859.D
Acq: 20 Jun 2023 16:41

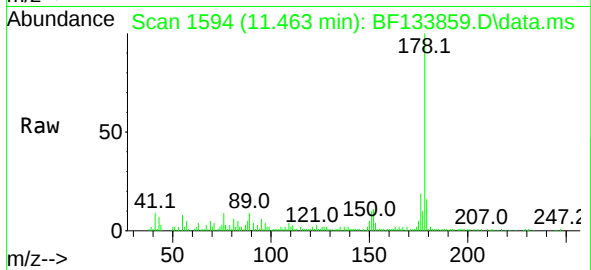
Tgt Ion:178 Resp: 65289
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 15.5 12.4 18.6





#72
 Anthracene
 Concen: 3.227 ng
 RT: 11.463 min Scan# 1146
 Delta R.T. -0.006 min
 Lab File: BF133859.D
 Acq: 20 Jun 2023 16:41

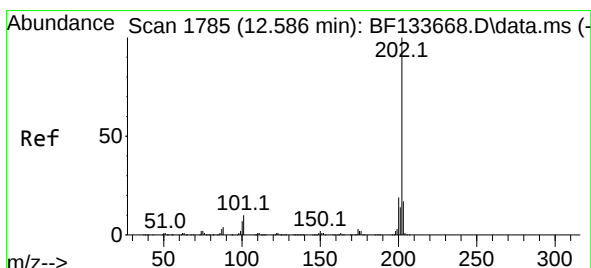
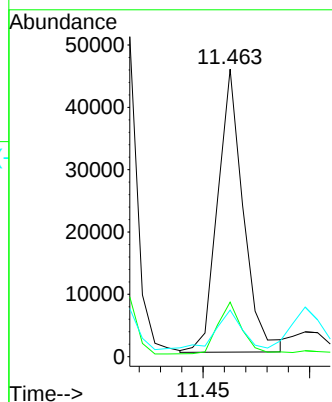
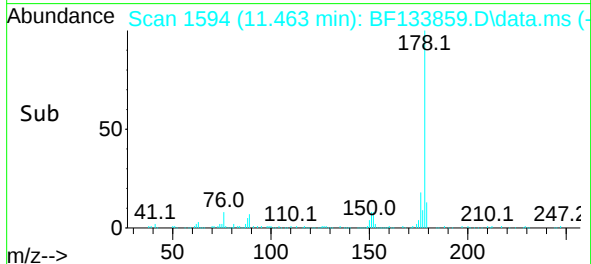
Instrument :
 BNA_F
 ClientSampleId :
 HYATT-PIPE-TP



Tgt Ion:178 Resp: 3795
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.1 22.7
 179 16.2 12.6 18.8

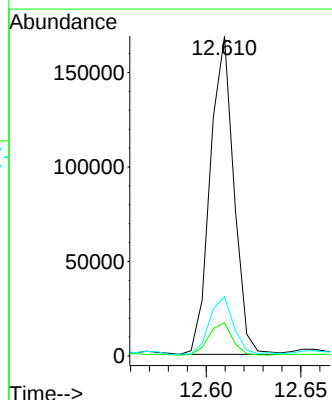
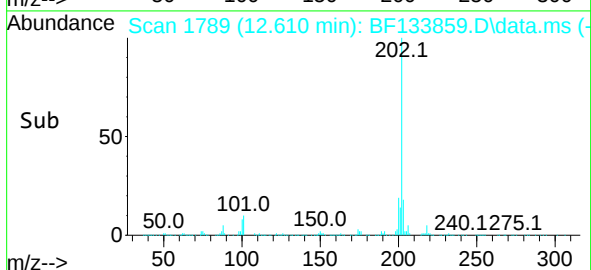
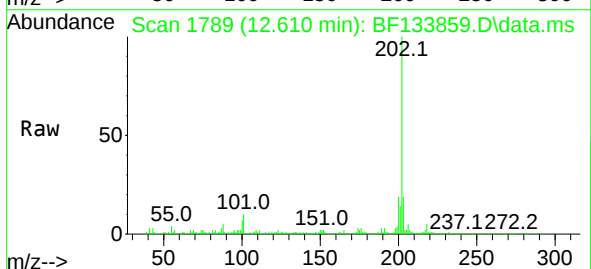
Manual Integrations
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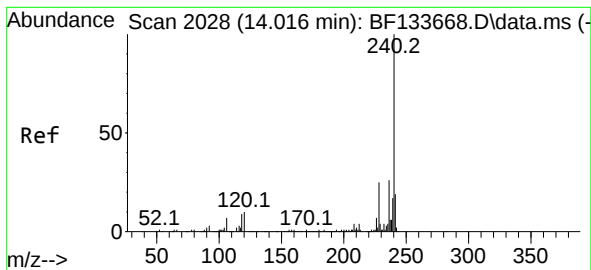
Reviewed By :Yogesh Patel 06/21/2023
 Supervised By :mohammad ahmed 06/21/2023



#75
 Fluoranthene
 Concen: 12.195 ng
 RT: 12.610 min Scan# 1789
 Delta R.T. -0.000 min
 Lab File: BF133859.D
 Acq: 20 Jun 2023 16:41

Tgt Ion:202 Resp: 146100
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 29.6
 203 18.6 0.0 37.4





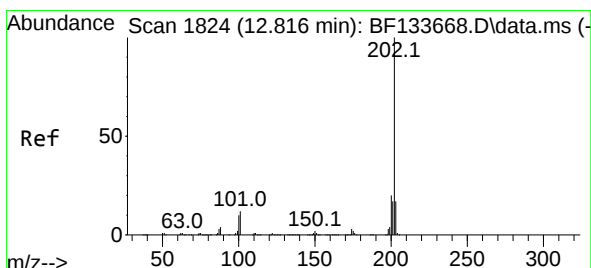
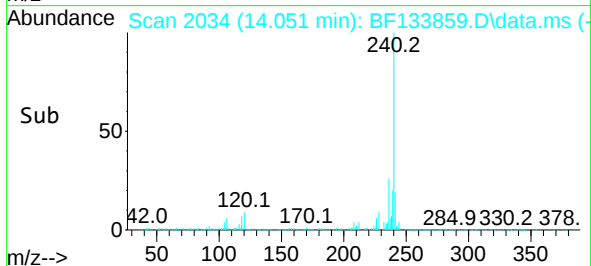
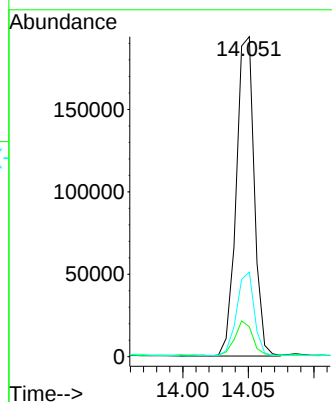
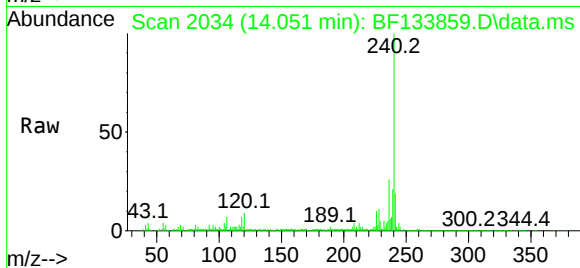
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BF133859.D
Acq: 20 Jun 2023 16:41

Instrument :
BNA_F
ClientSampleId :
HYATT-PIPE-TP

Tgt Ion:240 Resp: 185335
Ion Ratio Lower Upper
240 100
120 9.3 8.1 12.1
236 26.5 20.5 30.7

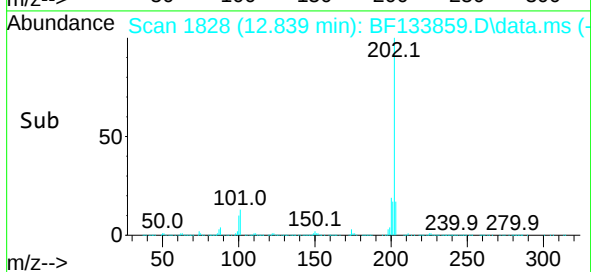
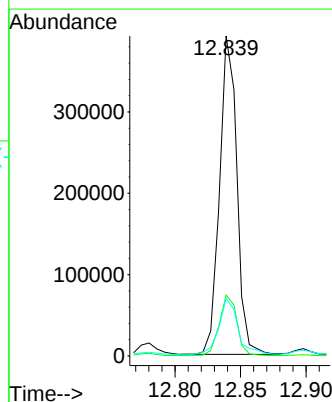
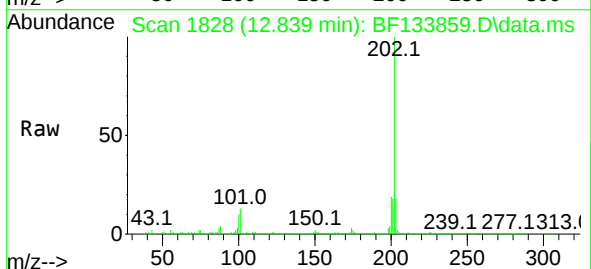
Manual Integrations
APPROVED

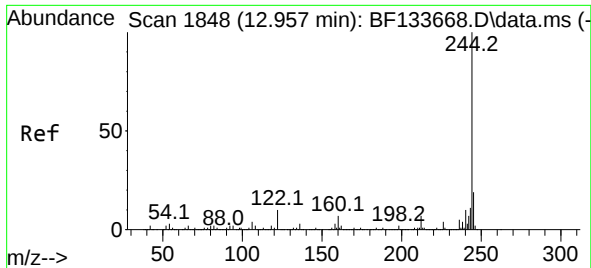
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023



#78
Pyrene
Concen: 20.785 ng
RT: 12.839 min Scan# 1828
Delta R.T. -0.000 min
Lab File: BF133859.D
Acq: 20 Jun 2023 16:41

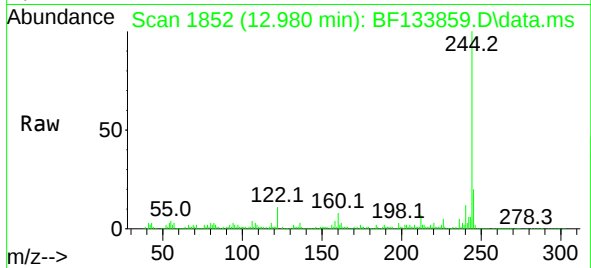
Tgt Ion:202 Resp: 358847
Ion Ratio Lower Upper
202 100
200 19.0 16.2 24.2
203 17.9 13.9 20.9





#79
Terphenyl-d14
Concen: 14.548 ng
RT: 12.980 min Scan# 1848
Delta R.T. -0.006 min
Lab File: BF133859.D
Acq: 20 Jun 2023 16:41

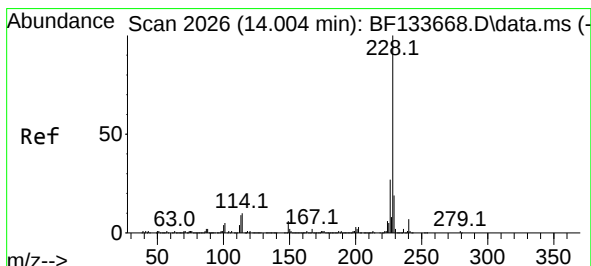
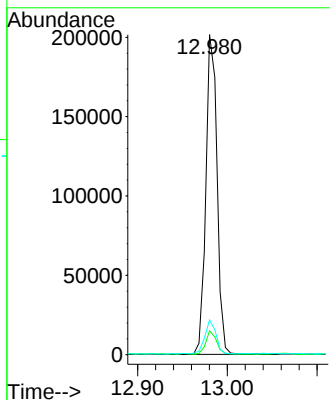
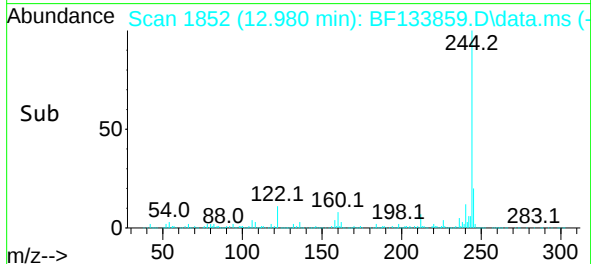
Instrument :
BNA_F
ClientSampleId :
HYATT-PIPE-TP



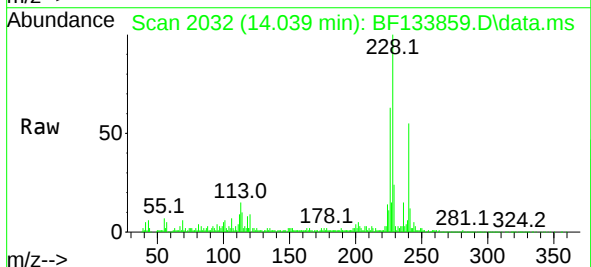
Tgt Ion:244 Resp: 174245
Ion Ratio Lower Upper
244 100
212 7.5 5.4 8.2
122 10.9 8.1 12.1

Manual Integrations
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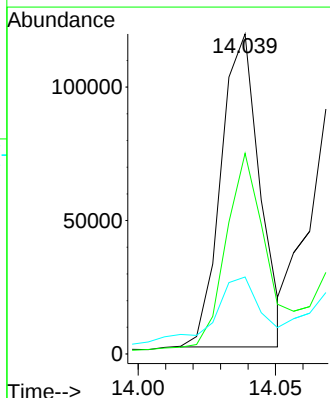
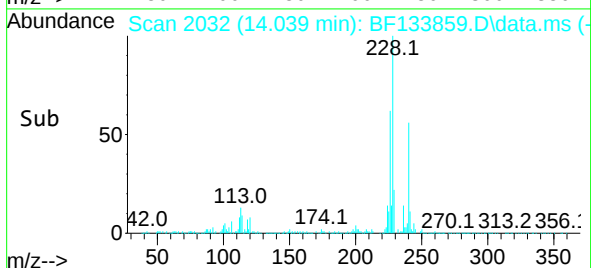
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023

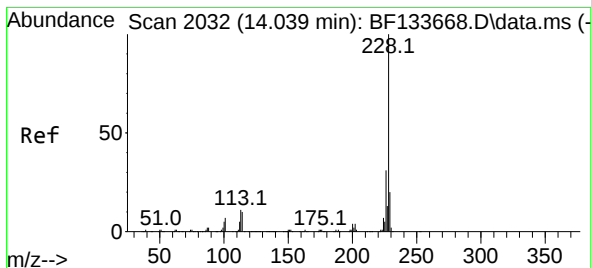


#81
Benzo(a)anthracene
Concen: 9.003 ng m
RT: 14.039 min Scan# 2032
Delta R.T. 0.006 min
Lab File: BF133859.D
Acq: 20 Jun 2023 16:41



Tgt Ion:228 Resp: 115414
Ion Ratio Lower Upper
228 100
226 62.7 21.7 32.5#
229 24.0 15.4 23.2#





#83

Chrysene

Concen: 10.482 ng

RT: 14.074 min Scan# 2032

Delta R.T. -0.000 min

Lab File: BF133859.D

Acq: 20 Jun 2023 16:41

Instrument :

BNA_F

ClientSampleId :

HYATT-PIPE-TP

Tgt Ion:228 Resp: 127093

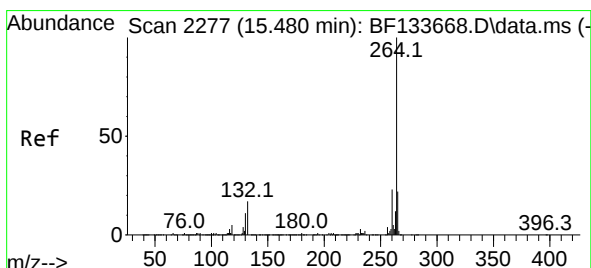
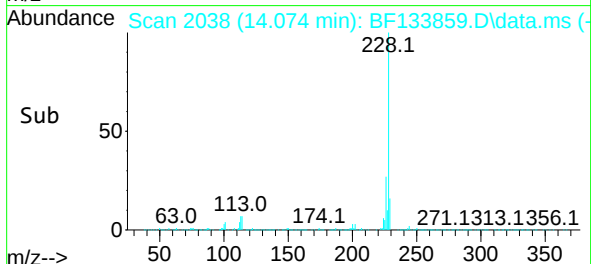
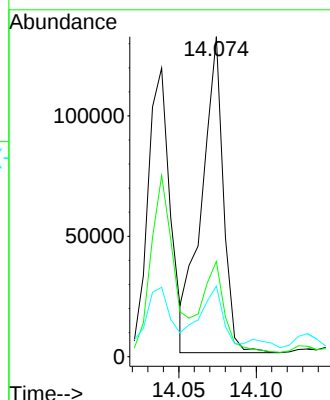
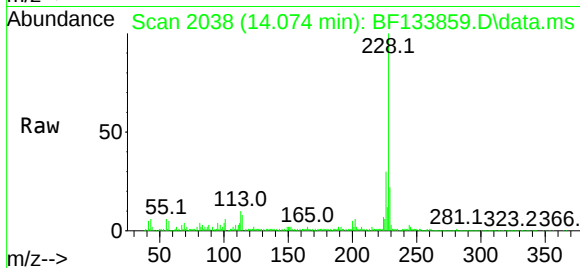
Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.0	37.6
229	22.1	15.8	23.8

Manual Integrations

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Reviewed By :Yogesh Patel 06/21/2023

Supervised By :mohammad ahmed 06/21/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.556 min Scan# 2290

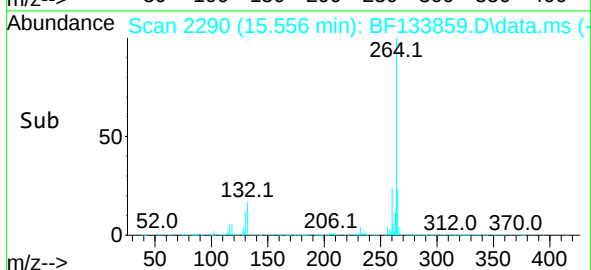
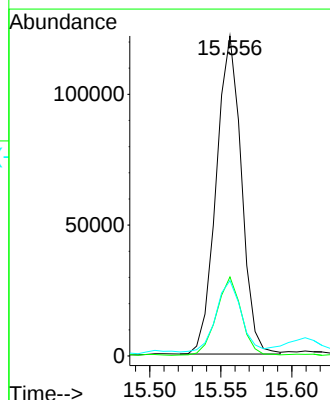
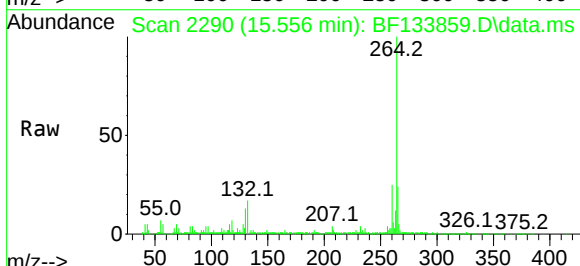
Delta R.T. 0.006 min

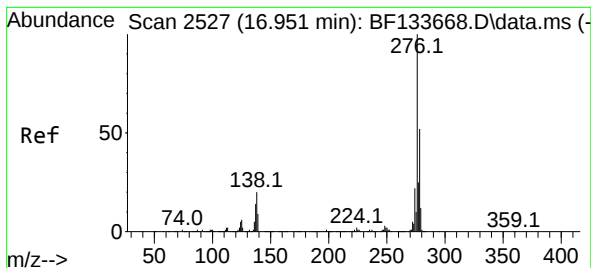
Lab File: BF133859.D

Acq: 20 Jun 2023 16:41

Tgt Ion:264 Resp: 149624

Ion	Ratio	Lower	Upper
264	100		
260	24.7	18.2	27.2
265	23.6	17.8	26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.726 ng

RT: 17.098 min Scan# 2114

Delta R.T. -0.000 min

Lab File: BF133859.D

Acq: 20 Jun 2023 16:41

Instrument :

BNA_F

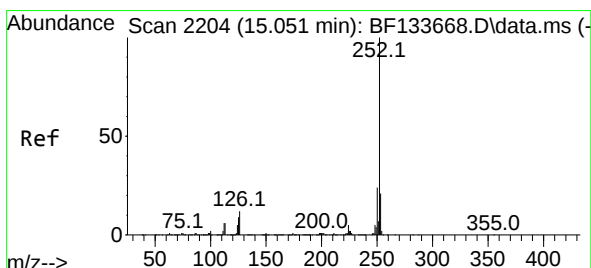
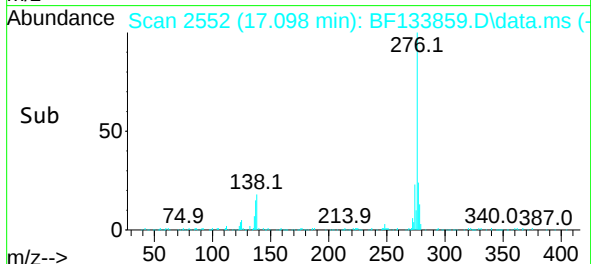
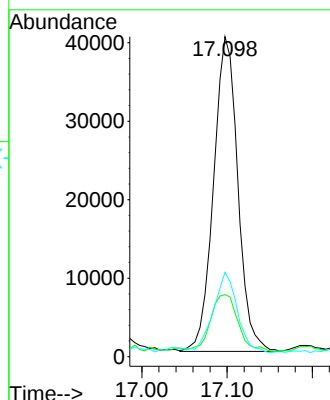
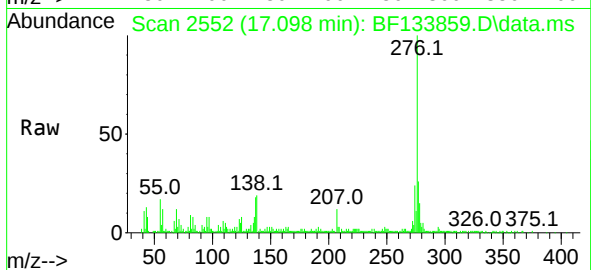
ClientSampleId :

HYATT-PIPE-TP

Tgt Ion:276 Resp: 79531
 Ion Ratio Lower Upper
 276 100
 138 20.1 17.9 26.9
 277 25.3 20.3 30.5

Manual Integrations
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Reviewed By :Yogesh Patel 06/21/2023
 Supervised By :mohammad ahmed 06/21/2023



#88

Benzo(b)fluoranthene

Concen: 11.815 ng m

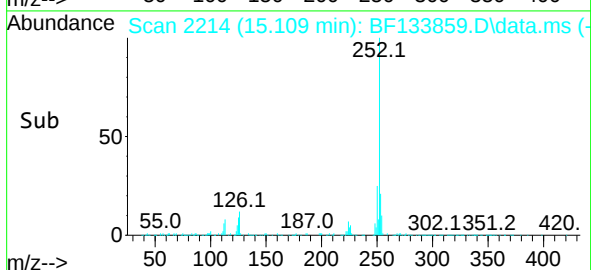
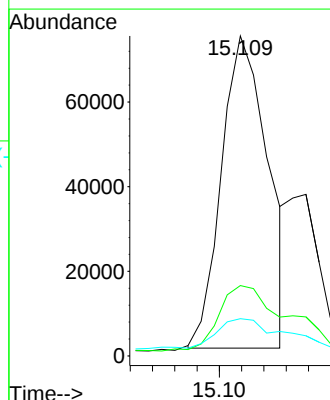
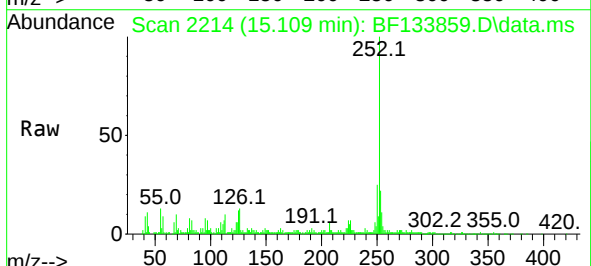
RT: 15.109 min Scan# 2214

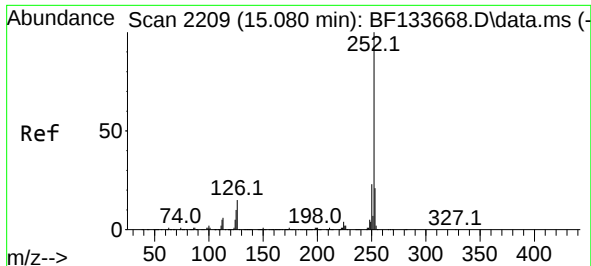
Delta R.T. 0.006 min

Lab File: BF133859.D

Acq: 20 Jun 2023 16:41

Tgt Ion:252 Resp: 107391
 Ion Ratio Lower Upper
 252 100
 253 22.0 17.0 25.6
 125 11.6 7.3 10.9#





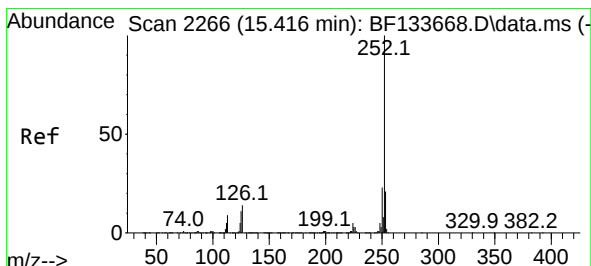
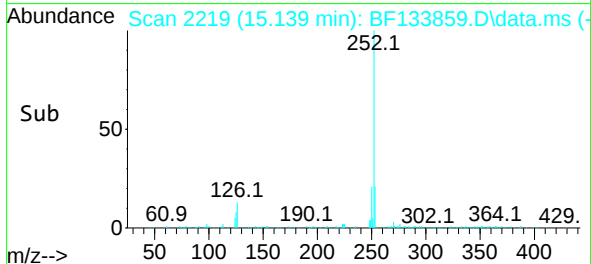
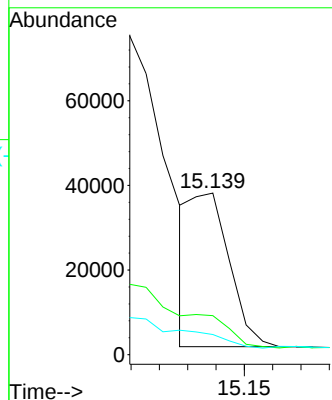
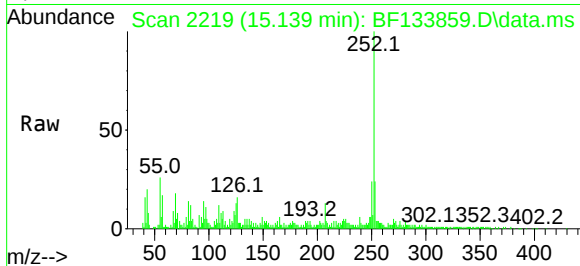
#89
Benzo(k)fluoranthene
Concen: 3.927 ng m
RT: 15.139 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF133859.D
Acq: 20 Jun 2023 16:41

Instrument :
BNA_F
ClientSampleId :
HYATT-PIPE-TP

Tgt Ion:252 Resp: 34768
Ion Ratio Lower Upper
252 100
253 24.1 17.0 25.4
125 12.5 7.8 11.6

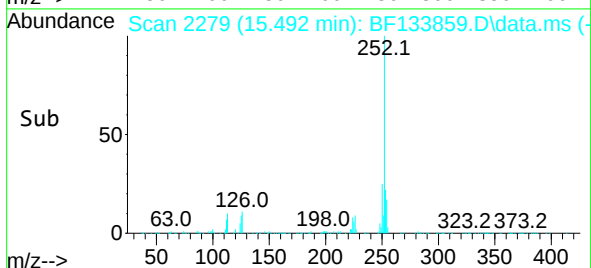
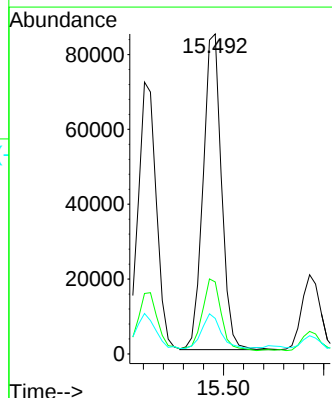
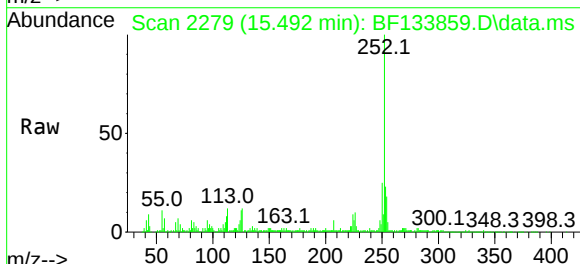
Manual Integrations
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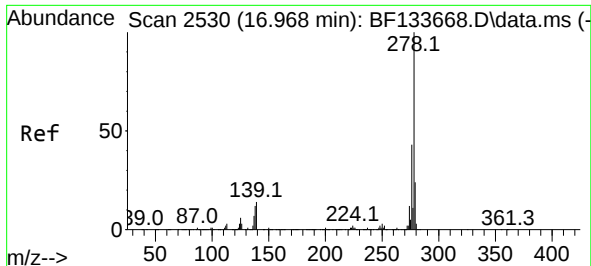
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023



#90
Benzo(a)pyrene
Concen: 12.781 ng
RT: 15.492 min Scan# 2279
Delta R.T. 0.006 min
Lab File: BF133859.D
Acq: 20 Jun 2023 16:41

Tgt Ion:252 Resp: 107814
Ion Ratio Lower Upper
252 100
253 22.5 17.1 25.7
125 11.1 8.6 13.0





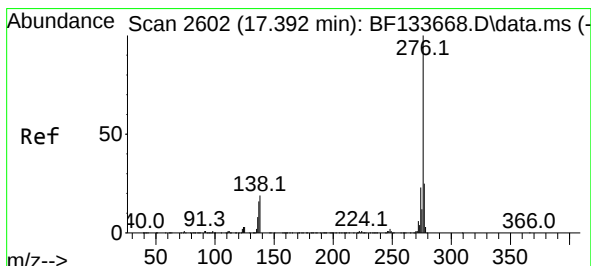
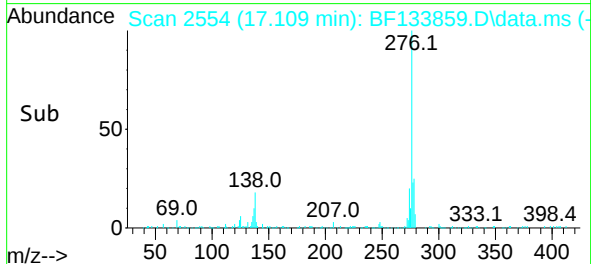
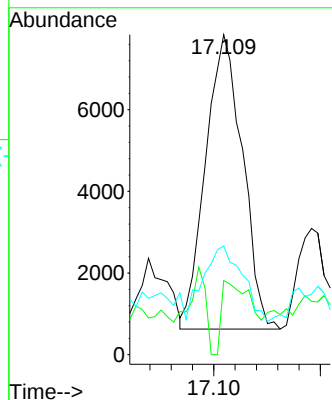
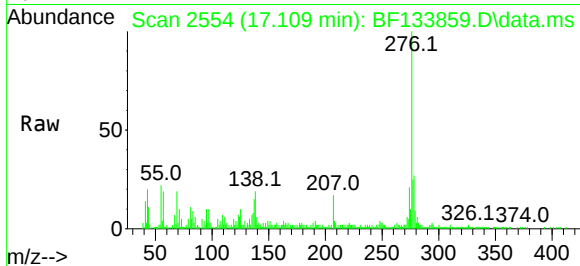
#91
Dibenzo(a,h)anthracene
Concen: 2.036 ng
RT: 17.109 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF133859.D
Acq: 20 Jun 2023 16:41

Instrument :
BNA_F
ClientSampleId :
HYATT-PIPE-TP

Tgt Ion: 278 Resp: 1735
Ion Ratio Lower Upper
278 100
139 23.2 11.4 17.2
279 34.0 19.0 28.4

Manual Integrations
APPROVED

Reviewed By : Yogesh Patel 06/21/2023
Supervised By : mohammad ahmed 06/21/2023



#92
Benzo(g,h,i)perylene
Concen: 16.808 ng
RT: 17.568 min Scan# 2632
Delta R.T. -0.006 min
Lab File: BF133859.D
Acq: 20 Jun 2023 16:41

Tgt Ion: 276 Resp: 142014
Ion Ratio Lower Upper
276 100
277 24.8 19.8 29.8
138 20.1 15.0 22.4

