

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
 Data File : BF133817.D
 Acq On : 16 Jun 2023 20:49
 Operator : CG\JU
 Sample : 03214-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HYATT-PIPE-TP

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/19/2023
 Supervised By :mohammad ahmed 06/20/2023

Quant Time: Jun 17 00:12:09 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 16 14:54:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	74080	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	279196	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	122658	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	220808	20.000	ng	0.00
76) Chrysene-d12	14.051	240	145628	20.000	ng	0.00
86) Perylene-d12	15.562	264	114524	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	127802	30.034	ng	0.00
7) Phenol-d6	6.492	99	154667	27.924	ng	0.00
23) Nitrobenzene-d5	7.422	82	98309	19.179	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	36902	23.767	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	199961	23.174	ng	0.00
79) Terphenyl-d14	12.986	244	184609	19.615	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.163	128	77241	5.678	ng	99
37) 2-Methylnaphthalene	8.857	142	55954	5.920	ng	99
38) 1-Methylnaphthalene	8.951	142	25529	2.935	ng	98
49) Acenaphthylene	9.757	152	140090	11.343	ng	99
71) Phenanthrene	11.416	178	75170	6.710	ng	99
72) Anthracene	11.468	178	38512	3.297	ng	97
75) Fluoranthene	12.610	202	161272	13.556	ng	98
78) Pyrene	12.845	202	385705	28.432	ng	100
81) Benzo(a)anthracene	14.039	228	102708m	10.196	ng	
83) Chrysene	14.074	228	115994m	12.175	ng	
87) Indeno(1,2,3-cd)pyrene	17.103	276	66116	8.391	ng	95
88) Benzo(b)fluoranthene	15.115	252	93597m	13.454	ng	
89) Benzo(k)fluoranthene	15.139	252	23523m	3.471	ng	
90) Benzo(a)pyrene	15.498	252	90047	13.947	ng	97
91) Dibenzo(a,h)anthracene	17.115	278	14505	2.224	ng	# 79
92) Benzo(g,h,i)perylene	17.580	276	122797	18.987	ng	97

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

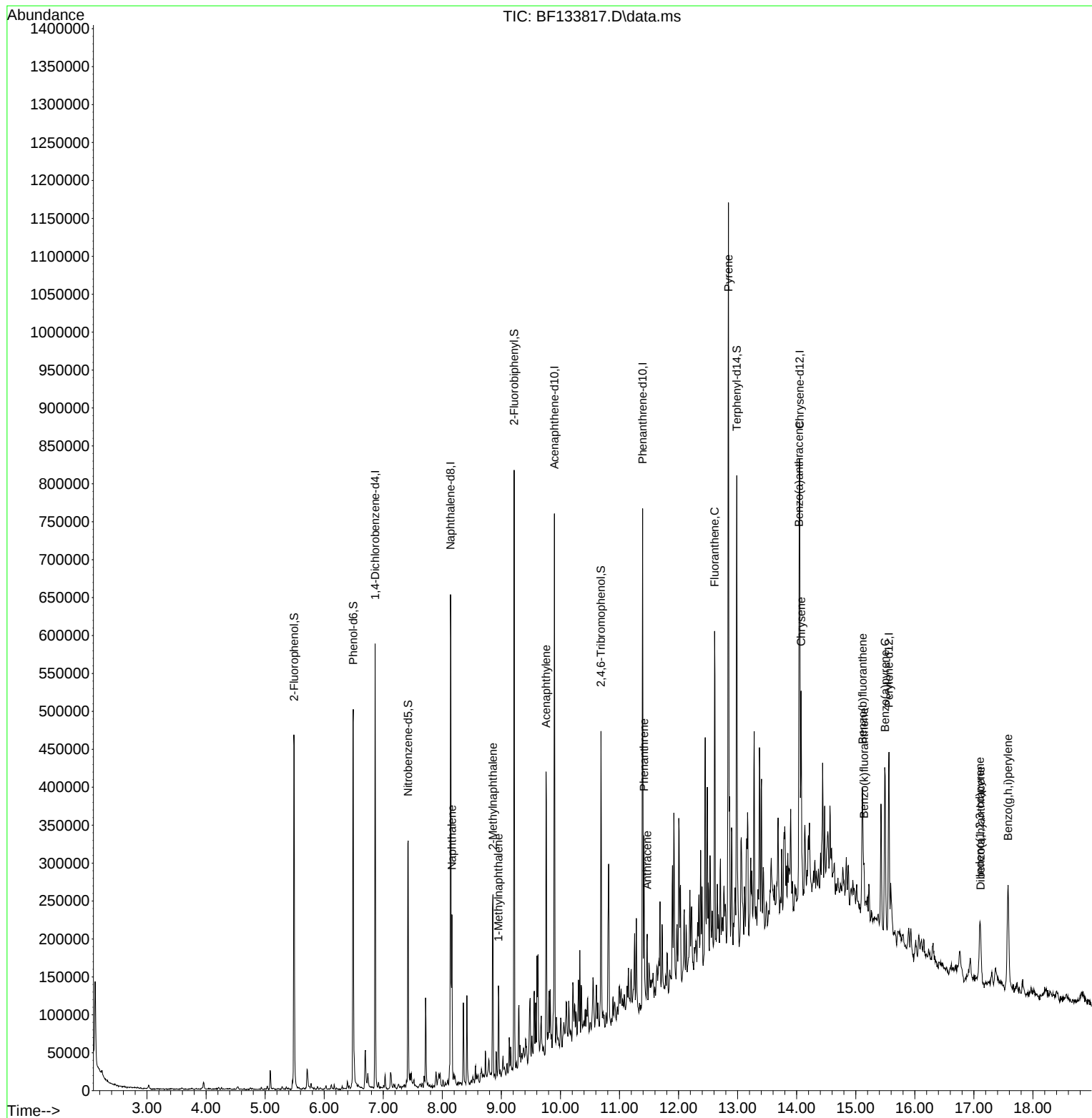
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
Data File : BF133817.D
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Misc :
ALS Vial : 15 Sample Multiplier: 1

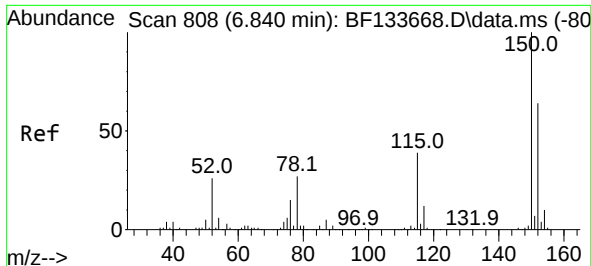
Instrument :
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HYATT-PIPE-TP

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Supervised By :mohammad ahmed 06/20/2023

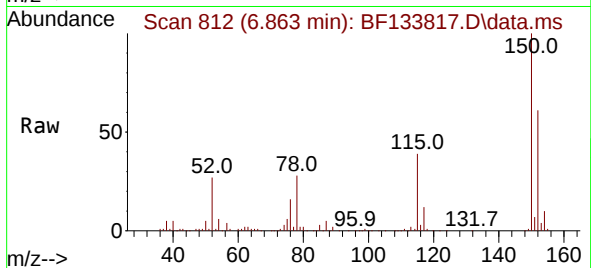
Quant Time: Jun 17 00:12:09 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 16 14:54:03 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.000 min
Lab File: BF133817.D
Acq: 16 Jun 2023 20:49

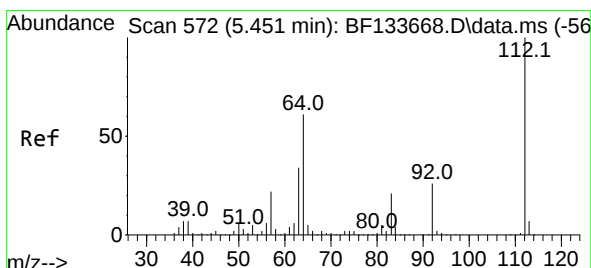
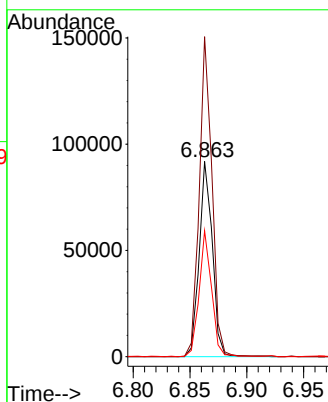
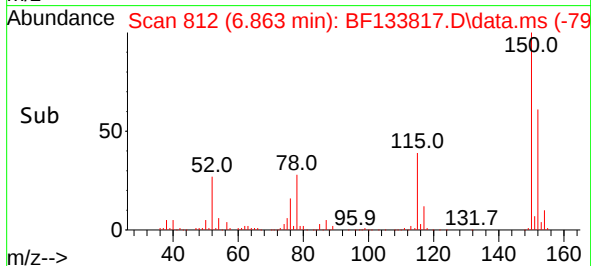
Instrument :
BNA_F
ClientSampleId :
HYATT-PIPE-TP



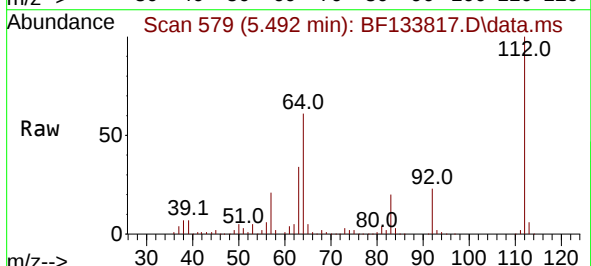
Tgt Ion:152 Resp: 74080
Ion Ratio Lower Upper
152 100
150 164.0 124.3 186.5
115 64.5 48.5 72.7

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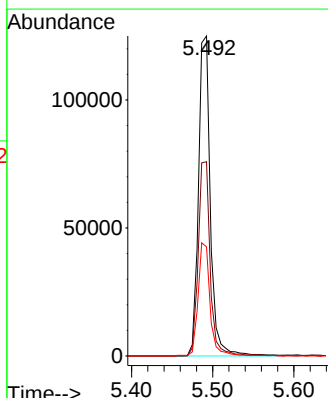
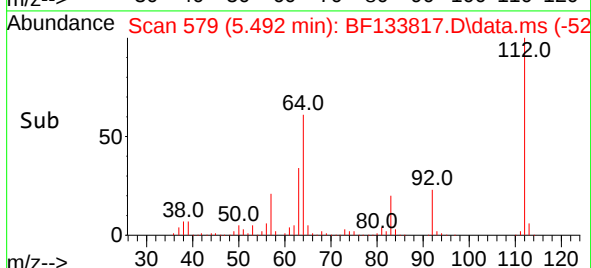
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023

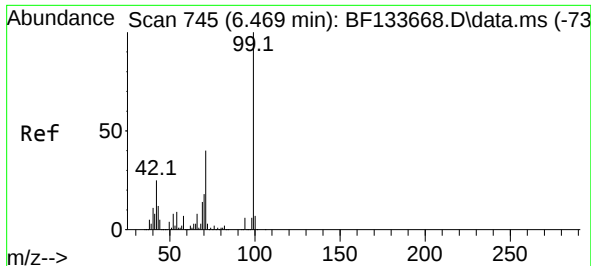


#5
2-Fluorophenol
Concen: 30.034 ng
RT: 5.492 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF133817.D
Acq: 16 Jun 2023 20:49



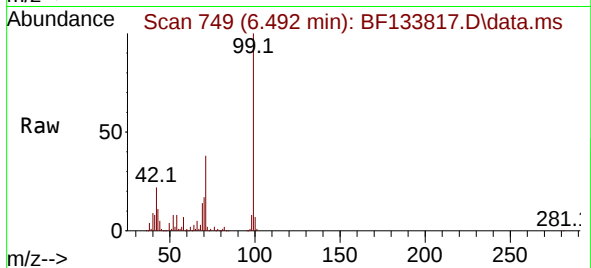
Tgt Ion:112 Resp: 127802
Ion Ratio Lower Upper
112 100
64 60.7 49.0 73.4
63 34.1 26.8 40.2





#7
Phenol-d6
Concen: 27.924 ng
RT: 6.492 min Scan# 745
Delta R.T. -0.006 min
Lab File: BF133817.D
Acq: 16 Jun 2023 20:49

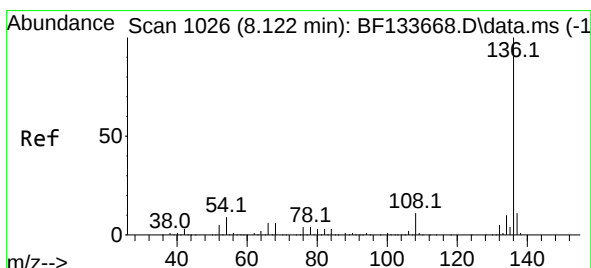
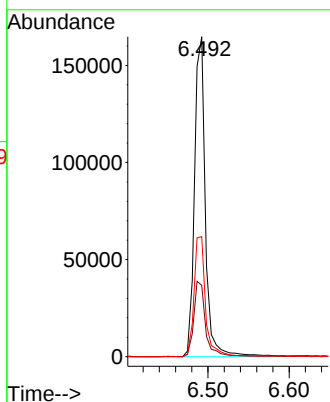
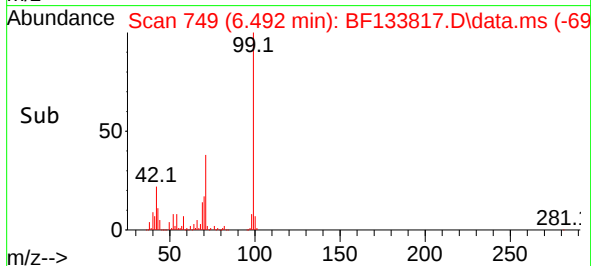
Instrument :
BNA_F
ClientSampleId :
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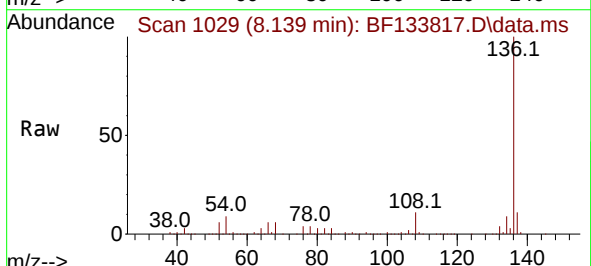
Tgt Ion: 99 Resp: 15466
Ion Ratio Lower Upper
99 100
42 22.3 19.9 29.9
71 37.5 32.2 48.4

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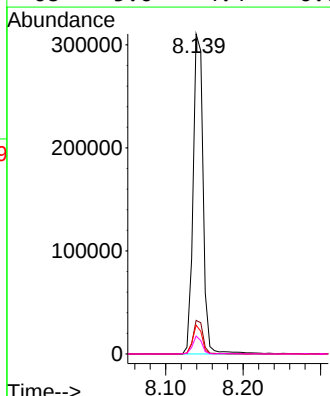
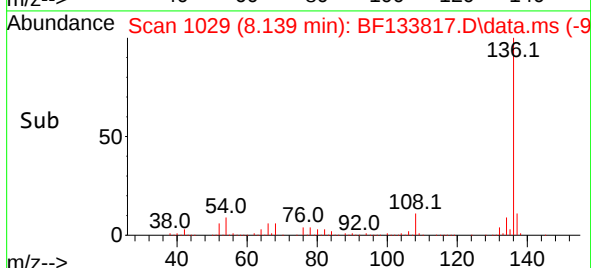
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023

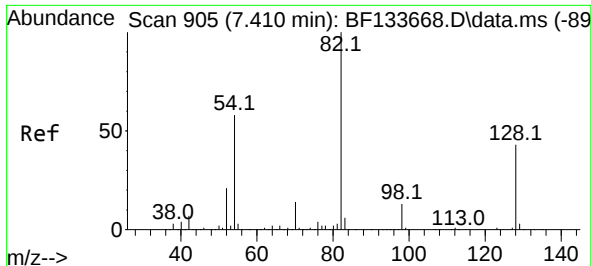


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF133817.D
Acq: 16 Jun 2023 20:49



Tgt Ion:136 Resp: 279196
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 9.0 7.4 11.0
68 5.6 4.4 6.6





#23

Nitrobenzene-d5

Concen: 19.179 ng

RT: 7.422 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF133817.D

Acq: 16 Jun 2023 20:49

Instrument :

BNA_F

ClientSampleId :

HYATT-PIPE-TP

Tgt Ion: 82 Resp: 98305

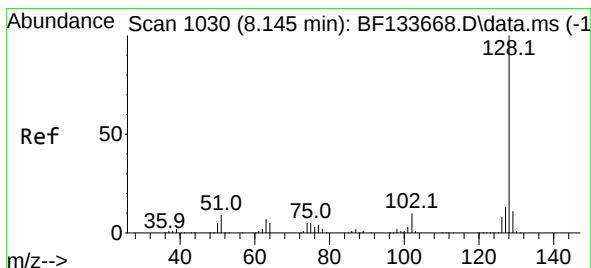
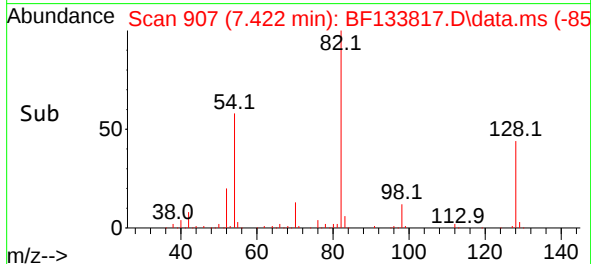
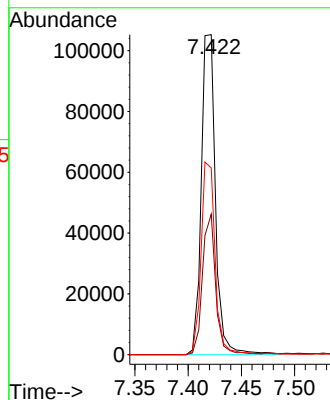
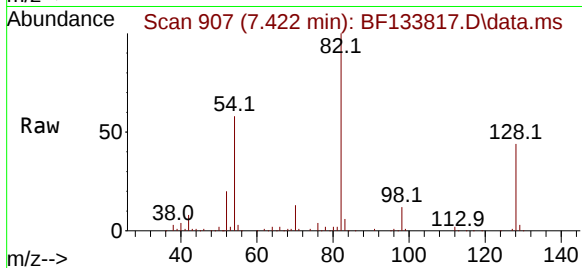
Ion	Ratio	Lower	Upper
82	100		
128	43.9	34.2	51.2
54	58.4	46.5	69.7

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Reviewed By :Yogesh Patel 06/19/2023

Supervised By :mohammad ahmed 06/20/2023



#31

Naphthalene

Concen: 5.678 ng

RT: 8.163 min Scan# 1033

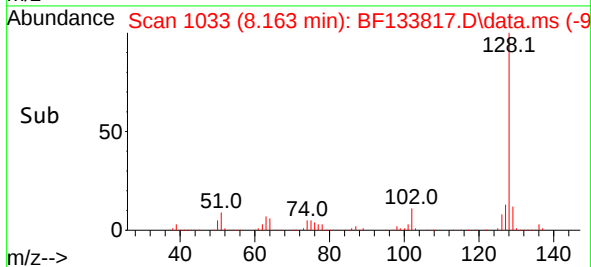
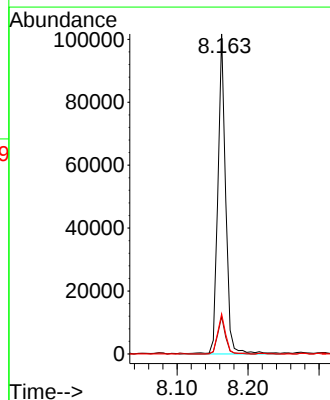
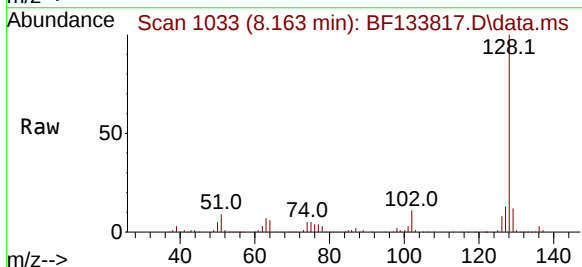
Delta R.T. -0.006 min

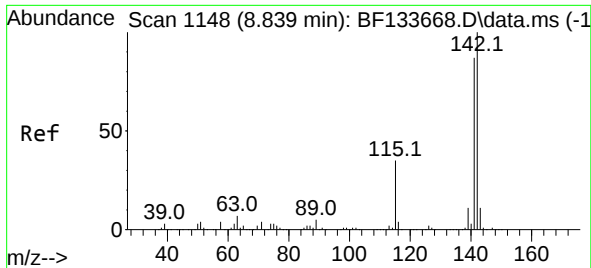
Lab File: BF133817.D

Acq: 16 Jun 2023 20:49

Tgt Ion:128 Resp: 77241

Ion	Ratio	Lower	Upper
128	100		
129	11.7	8.9	13.3
127	12.5	10.5	15.7





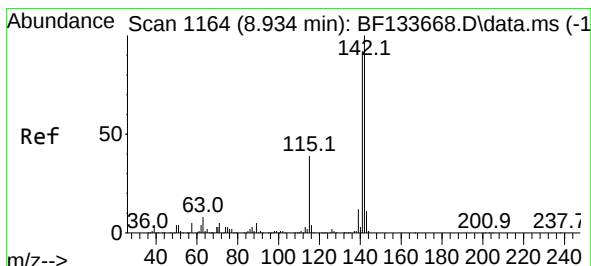
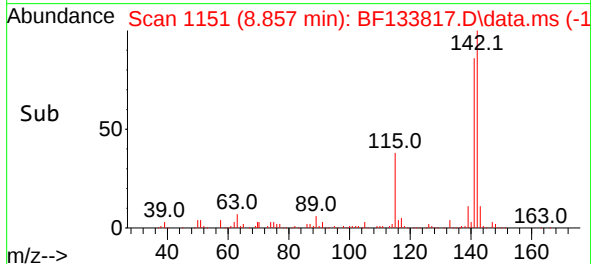
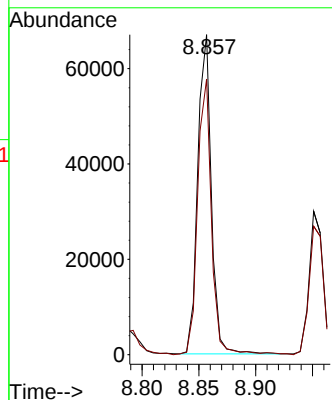
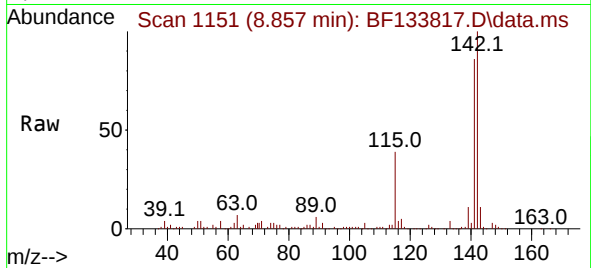
#37
2-Methylnaphthalene
Concen: 5.920 ng
RT: 8.857 min Scan# 1151
Delta R.T. -0.000 min
Lab File: BF133817.D
Acq: 16 Jun 2023 20:49

Instrument :
BNA_F
ClientSampleId :
HYATT-PIPE-TP

Tgt Ion:142 Resp: 55954
Ion Ratio Lower Upper
142 100
141 86.2 69.8 104.8

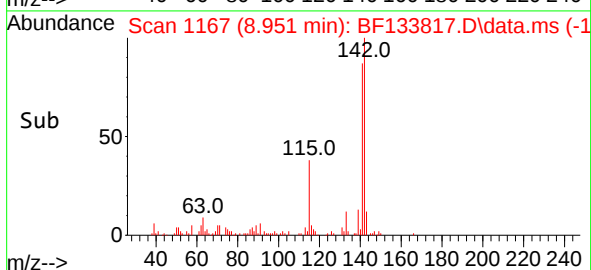
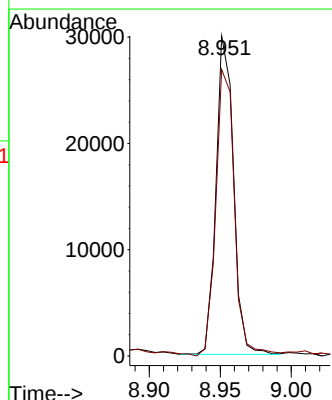
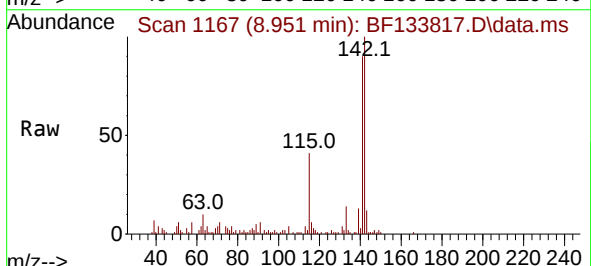
Manual Integrations
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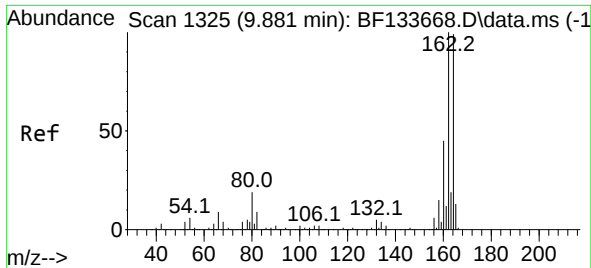
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#38
1-Methylnaphthalene
Concen: 2.935 ng
RT: 8.951 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF133817.D
Acq: 16 Jun 2023 20:49

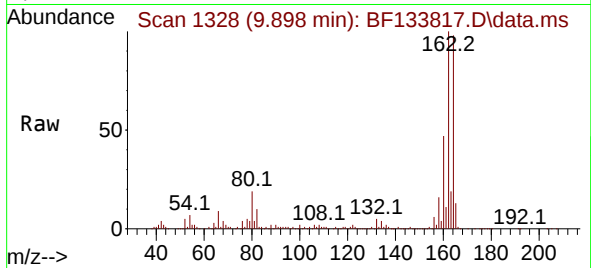
Tgt Ion:142 Resp: 25529
Ion Ratio Lower Upper
142 100
141 89.5 73.4 110.0





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133817.D
Acq: 16 Jun 2023 20:49

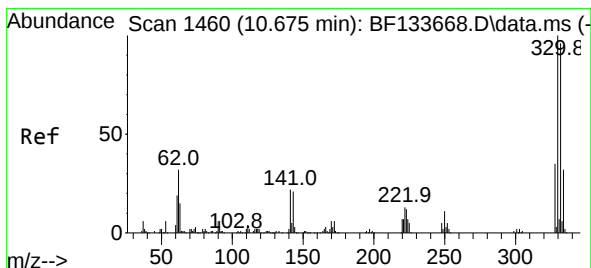
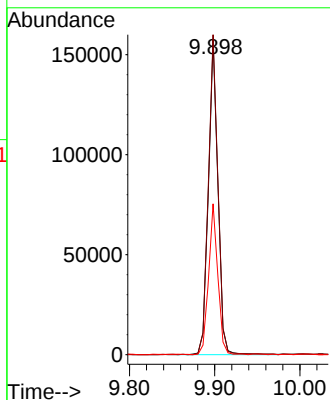
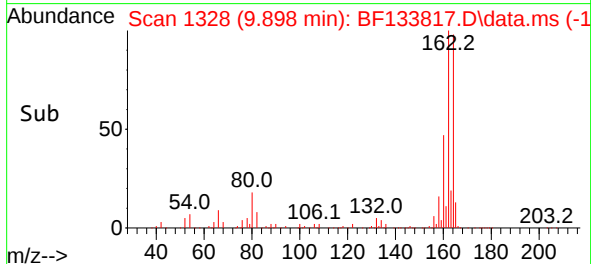
Instrument :
BNA_F
ClientSampleId :
HYATT-PIPE-TP



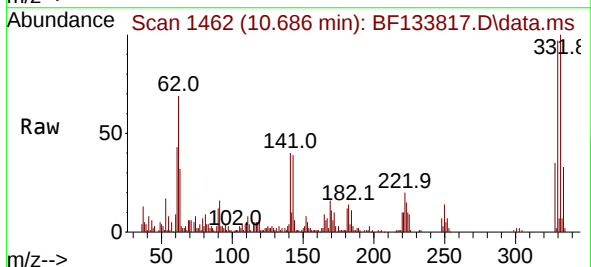
Tgt Ion:164 Resp: 122658
Ion Ratio Lower Upper
164 100
162 101.7 80.8 121.2
160 48.0 36.7 55.1

Manual Integrations
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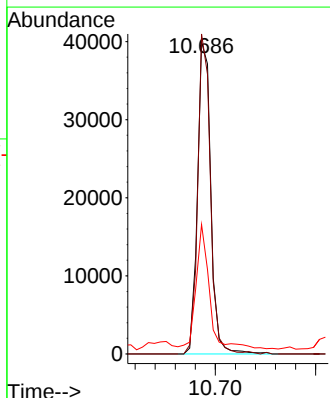
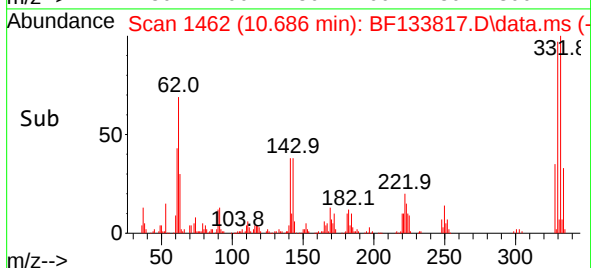
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023

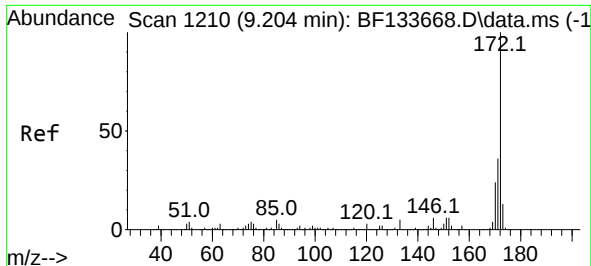


#42
2,4,6-Tribromophenol
Concen: 23.767 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF133817.D
Acq: 16 Jun 2023 20:49



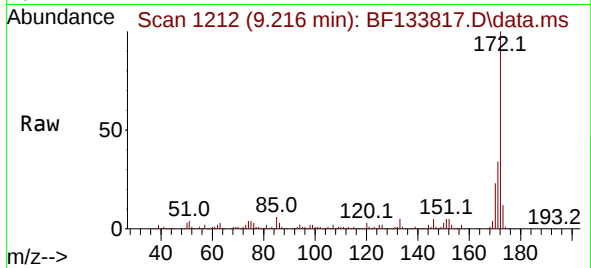
Tgt Ion:330 Resp: 36902
Ion Ratio Lower Upper
330 100
332 97.7 77.2 115.8
141 42.0 24.9 37.3#





#45
2-Fluorobiphenyl
Concen: 23.174 ng
RT: 9.216 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133817.D
Acq: 16 Jun 2023 20:49

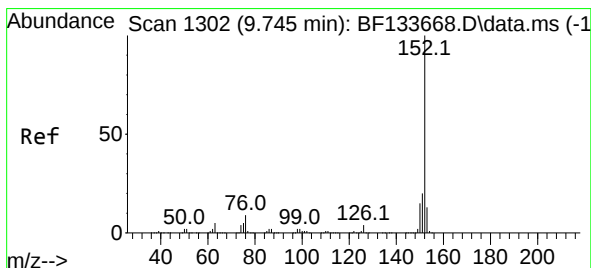
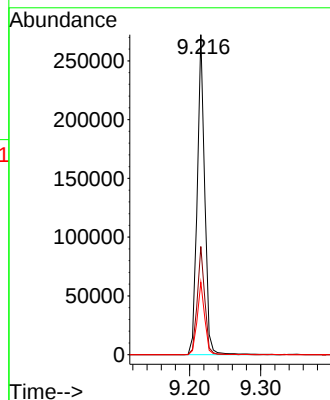
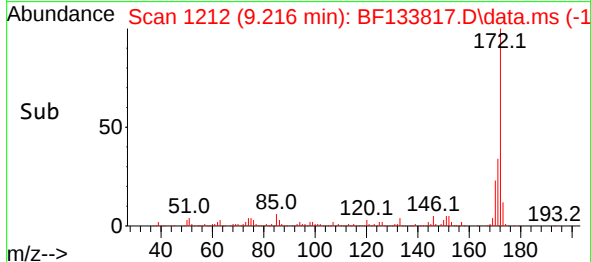
Instrument :
BNA_F
ClientSampleId :
HYATT-PIPE-TP



Tgt Ion:172 Resp: 19996
Ion Ratio Lower Upper
172 100
171 33.8 28.6 43.0
170 22.7 19.1 28.7

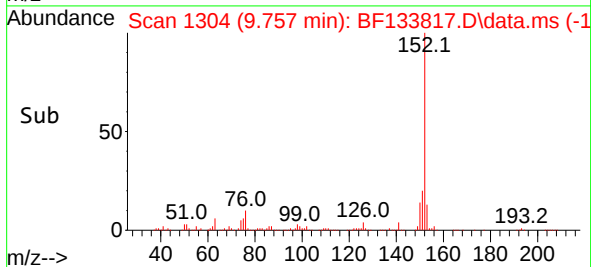
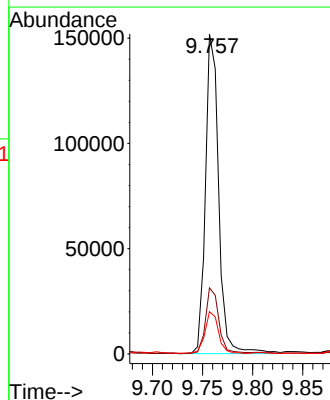
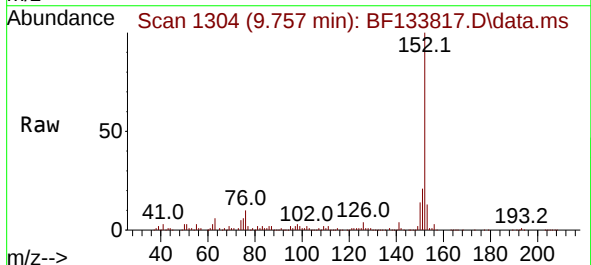
Manual Integrations
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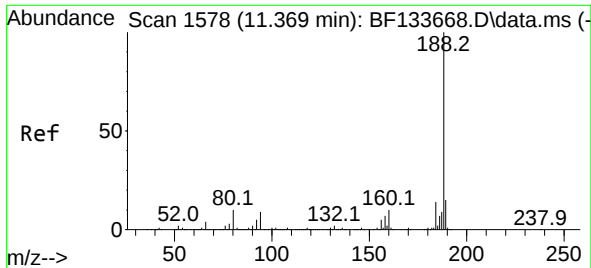
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#49
Acenaphthylene
Concen: 11.343 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF133817.D
Acq: 16 Jun 2023 20:49

Tgt Ion:152 Resp: 140090
Ion Ratio Lower Upper
152 100
151 20.7 16.2 24.4
153 13.2 10.4 15.6





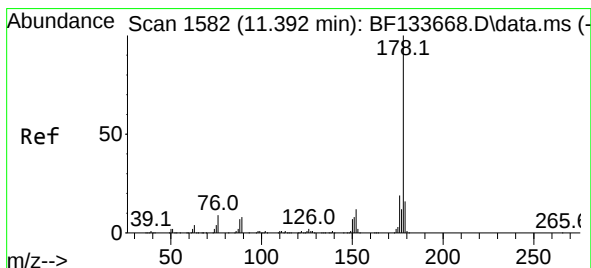
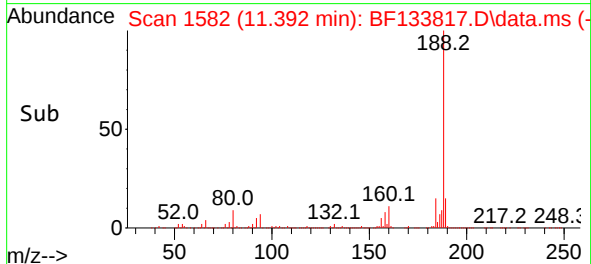
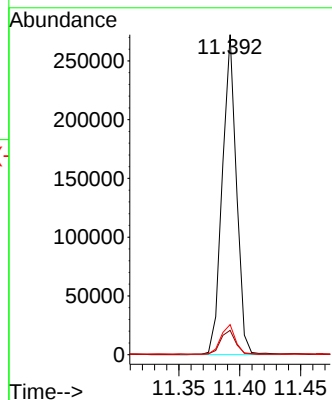
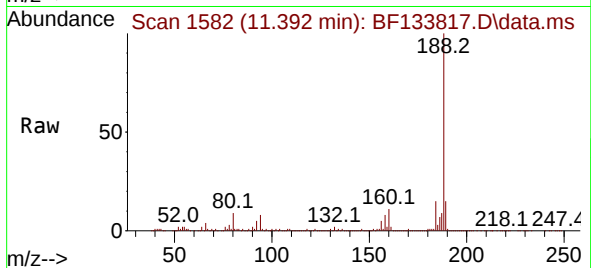
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF133817.D
Acq: 16 Jun 2023 20:49

Instrument :
BNA_F
ClientSampleId :
HYATT-PIPE-TP

Tgt Ion:188 Resp: 220800
Ion Ratio Lower Upper
188 100
94 7.6 6.8 10.2
80 9.4 7.8 11.6

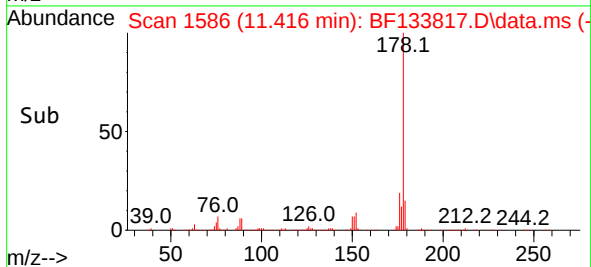
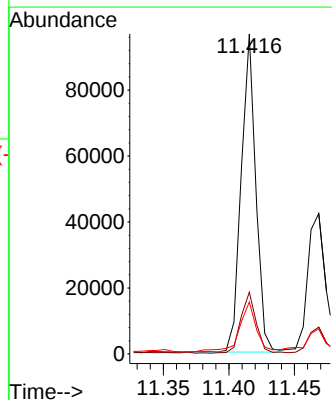
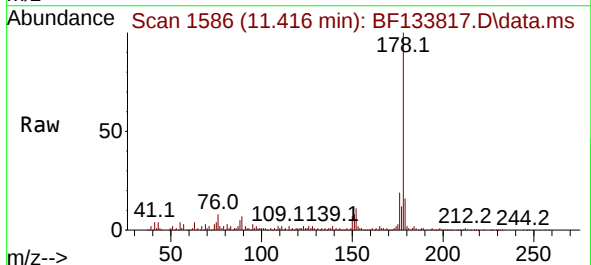
Manual Integrations
APPROVED

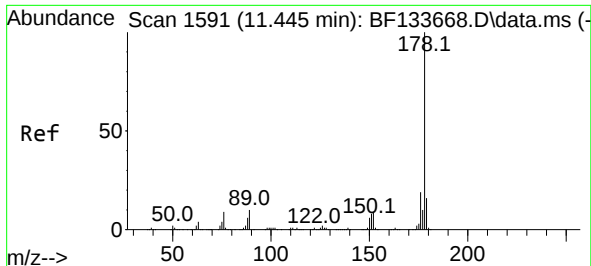
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#71
Phenanthrene
Concen: 6.710 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF133817.D
Acq: 16 Jun 2023 20:49

Tgt Ion:178 Resp: 75170
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 16.2 12.4 18.6





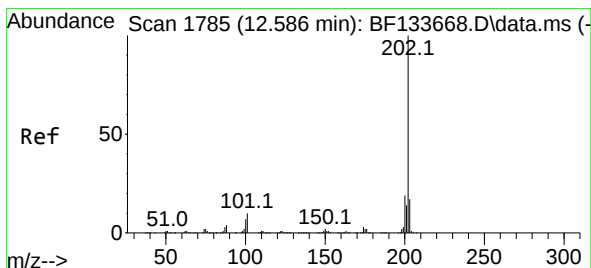
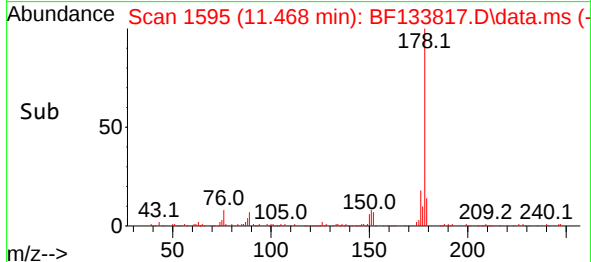
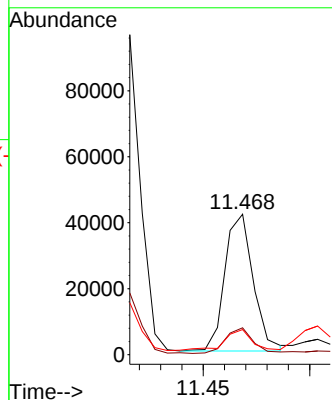
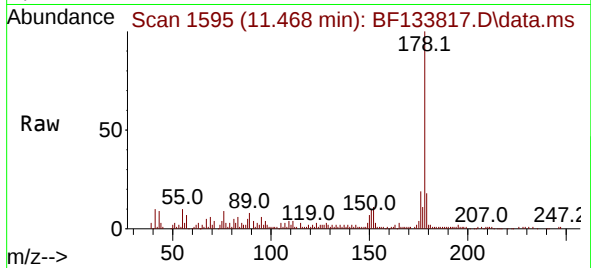
#72
 Anthracene
 Concen: 3.297 ng
 RT: 11.468 min Scan# 1591
 Delta R.T. -0.000 min
 Lab File: BF133817.D
 Acq: 16 Jun 2023 20:49

Instrument :
 BNA_F
 ClientSampleId :
 HYATT-PIPE-TP

Tgt Ion:178 Resp: 3851
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.1 22.7
 179 17.8 12.6 18.8

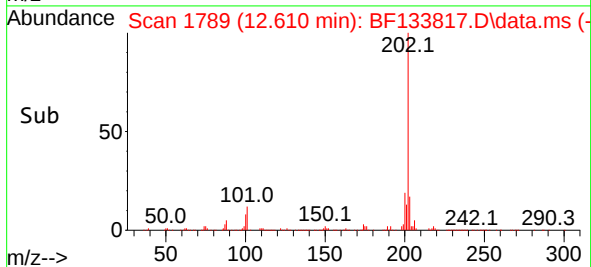
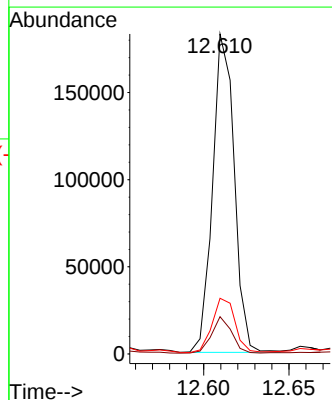
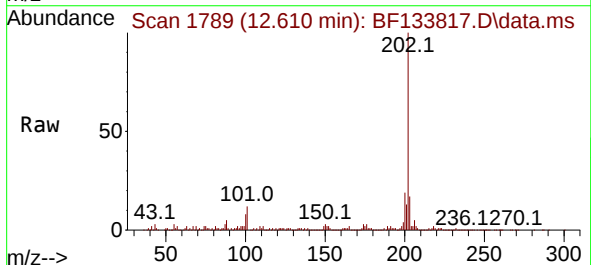
Manual Integrations
 APPROVED

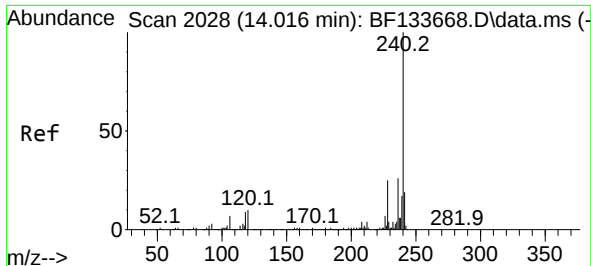
Reviewed By :Yogesh Patel 06/19/2023
 Supervised By :mohammad ahmed 06/20/2023



#75
 Fluoranthene
 Concen: 13.556 ng
 RT: 12.610 min Scan# 1789
 Delta R.T. -0.006 min
 Lab File: BF133817.D
 Acq: 16 Jun 2023 20:49

Tgt Ion:202 Resp: 161272
 Ion Ratio Lower Upper
 202 100
 101 11.7 0.0 29.6
 203 17.4 0.0 37.4





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF133817.D
Acq: 16 Jun 2023 20:49

Instrument :

BNA_F

ClientSampleId :

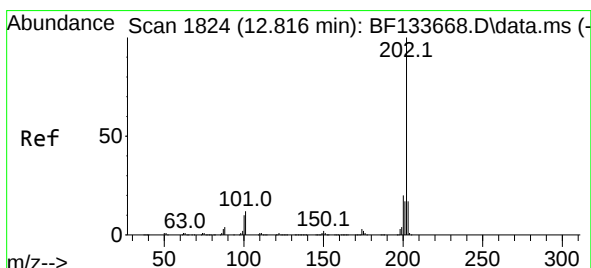
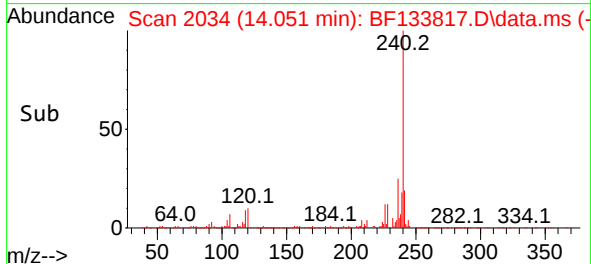
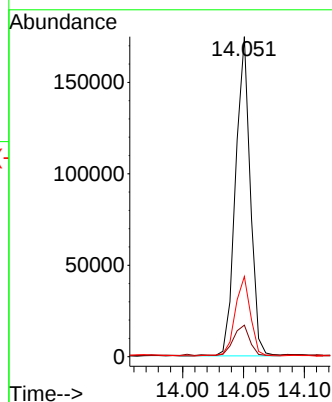
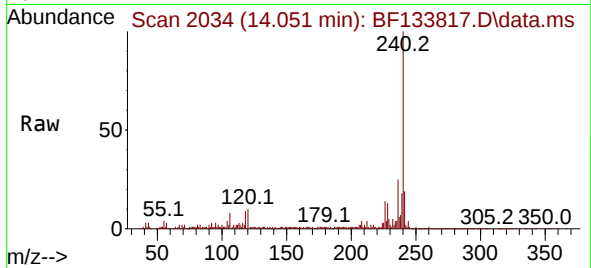
HYATT-PIPE-TP

Tgt Ion:240 Resp: 145628
Ion Ratio Lower Upper
240 100
120 9.8 8.1 12.1
236 25.1 20.5 30.7

Manual Integrations

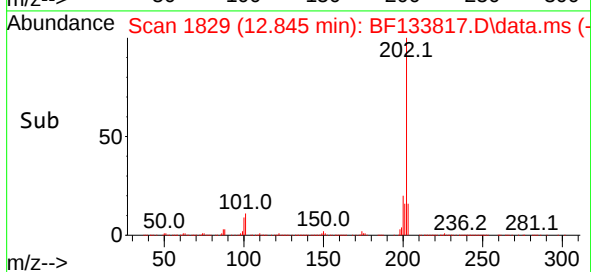
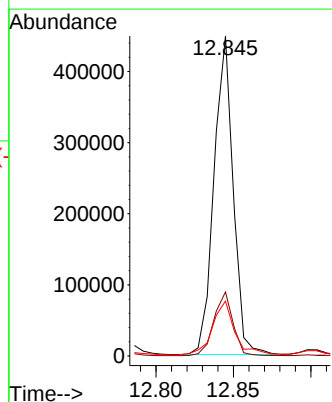
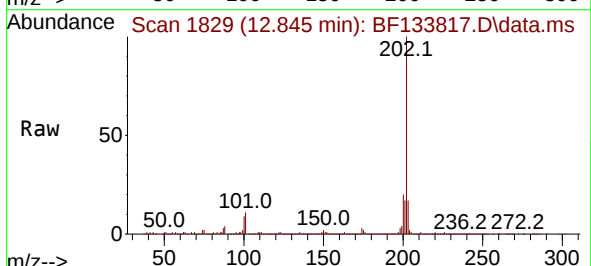
APPROVED

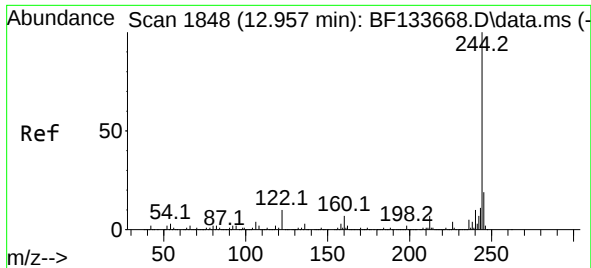
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#78
Pyrene
Concen: 28.432 ng
RT: 12.845 min Scan# 1829
Delta R.T. -0.000 min
Lab File: BF133817.D
Acq: 16 Jun 2023 20:49

Tgt Ion:202 Resp: 385705
Ion Ratio Lower Upper
202 100
200 20.0 16.2 24.2
203 17.2 13.9 20.9





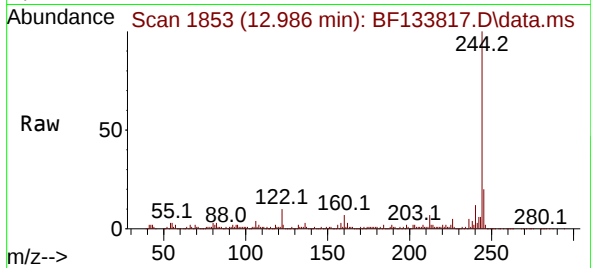
#79
 Terphenyl-d14
 Concen: 19.615 ng
 RT: 12.986 min Scan# 1848
 Delta R.T. -0.006 min
 Lab File: BF133817.D
 Acq: 16 Jun 2023 20:49

Instrument :

BNA_F

ClientSampleId :

HYATT-PIPE-TP

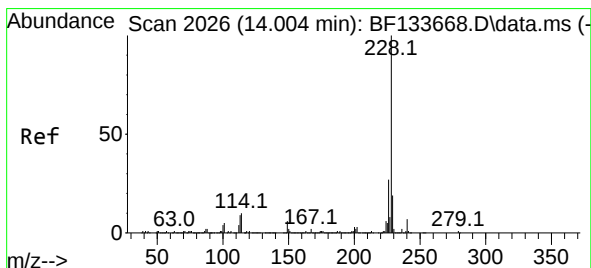
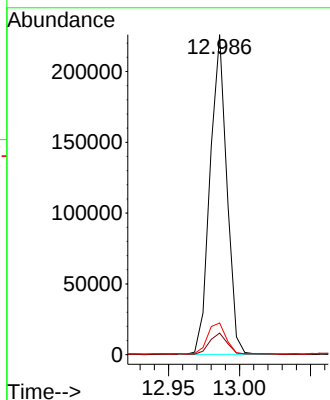
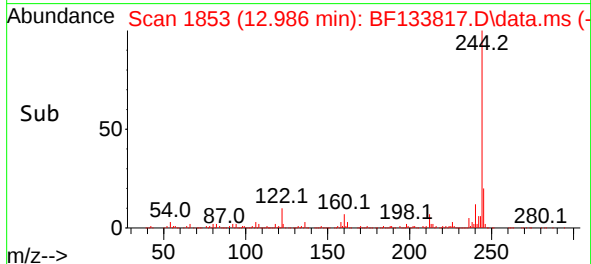


Tgt Ion:244 Resp: 184609
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 9.9 8.1 12.1

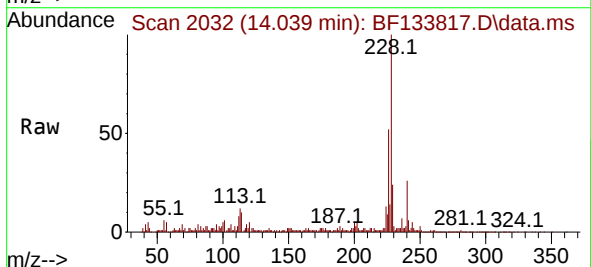
Manual Integrations

APPROVED

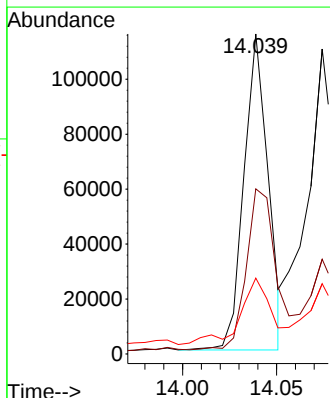
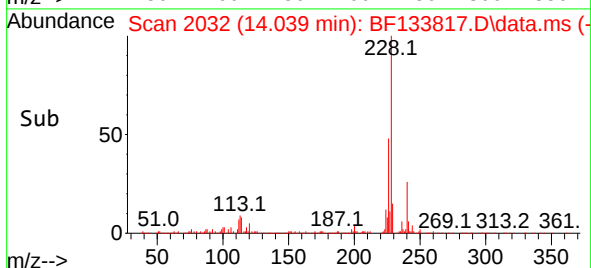
Reviewed By :Yogesh Patel 06/19/2023
 Supervised By :mohammad ahmed 06/20/2023

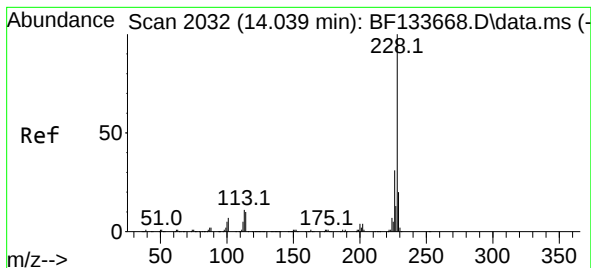


#81
 Benzo(a)anthracene
 Concen: 10.196 ng m
 RT: 14.039 min Scan# 2032
 Delta R.T. -0.006 min
 Lab File: BF133817.D
 Acq: 16 Jun 2023 20:49



Tgt Ion:228 Resp: 102708
 Ion Ratio Lower Upper
 228 100
 226 51.6 21.7 32.5#
 229 23.7 15.4 23.2#





#83

Chrysene

Concen: 12.175 ng m

RT: 14.074 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF133817.D

Acq: 16 Jun 2023 20:49

Instrument :

BNA_F

ClientSampleId :

HYATT-PIPE-TP

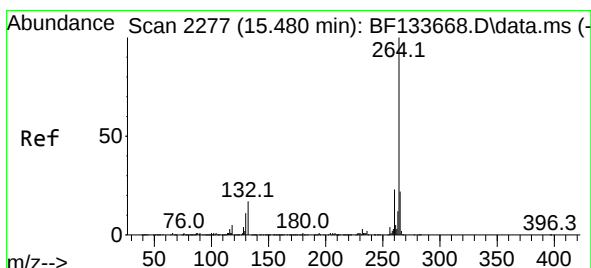
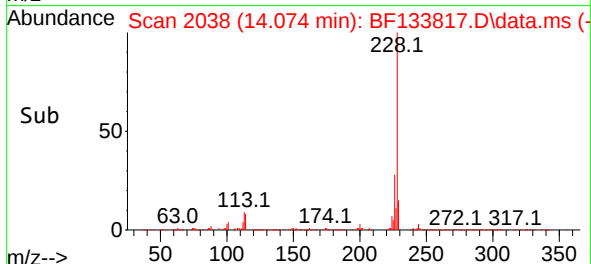
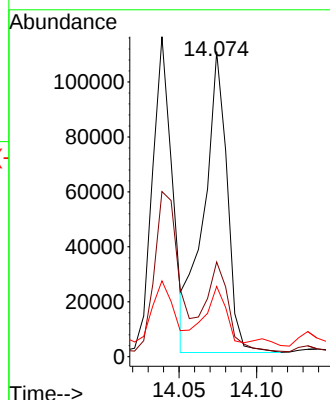
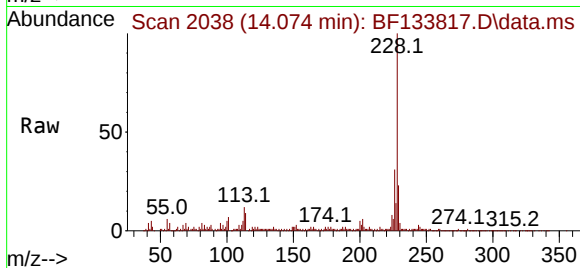
Tgt Ion:228 Resp: 115994
 Ion Ratio Lower Upper
 228 100
 226 31.1 25.0 37.6
 229 23.0 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/19/2023

Supervised By :mohammad ahmed 06/20/2023



#86

Perylene-d12

Concen: 20.000 ng

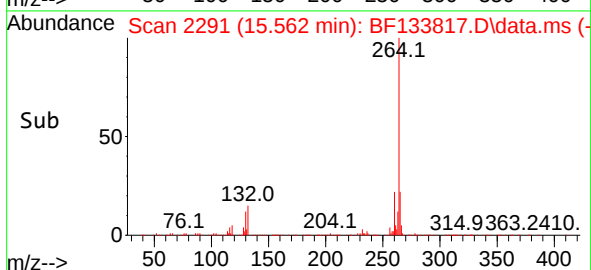
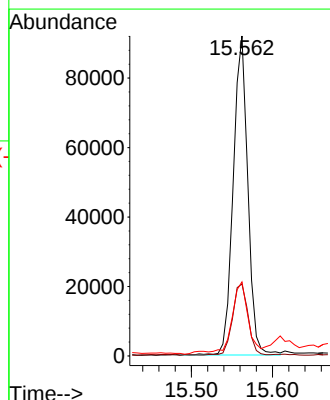
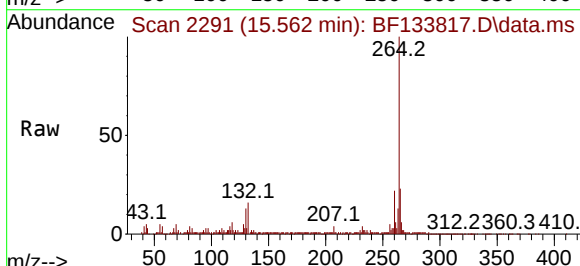
RT: 15.562 min Scan# 2291

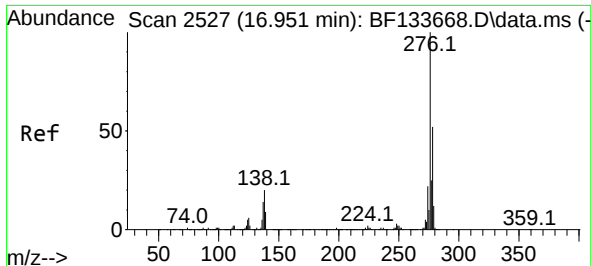
Delta R.T. -0.000 min

Lab File: BF133817.D

Acq: 16 Jun 2023 20:49

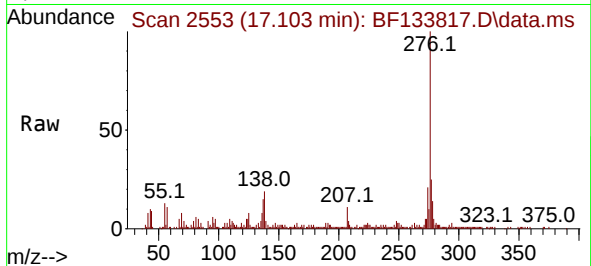
Tgt Ion:264 Resp: 114524
 Ion Ratio Lower Upper
 264 100
 260 22.5 18.2 27.2
 265 23.1 17.8 26.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 8.391 ng
RT: 17.103 min Scan# 2115
Delta R.T. -0.012 min
Lab File: BF133817.D
Acq: 16 Jun 2023 20:49

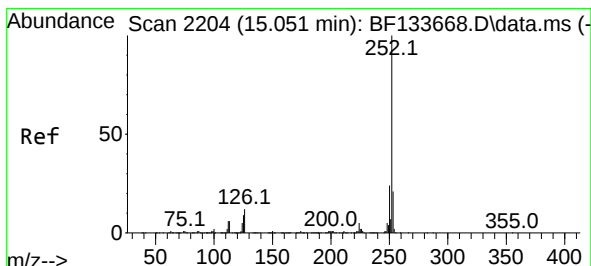
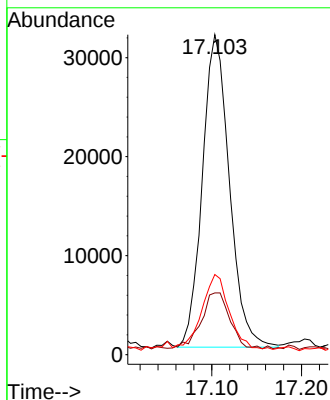
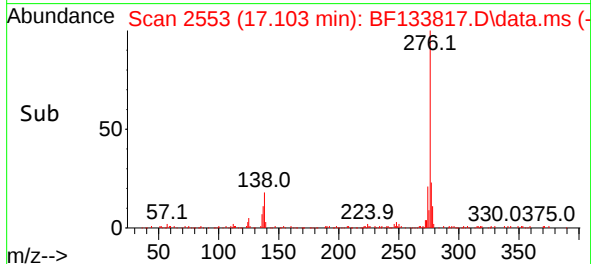
Instrument :
BNA_F
ClientSampleId :
HYATT-PIPE-TP



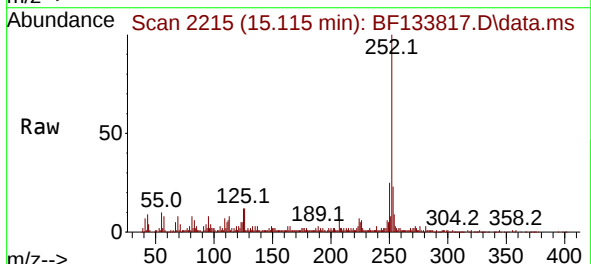
Tgt Ion: 276 Resp: 66110
Ion Ratio Lower Upper
276 100
138 18.4 17.9 26.9
277 24.4 20.3 30.5

Manual Integrations
APPROVED

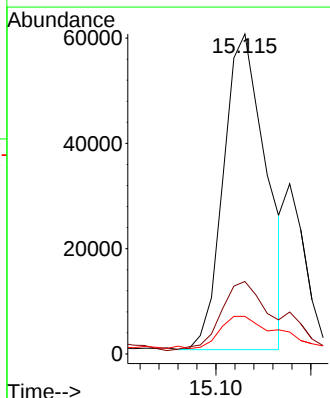
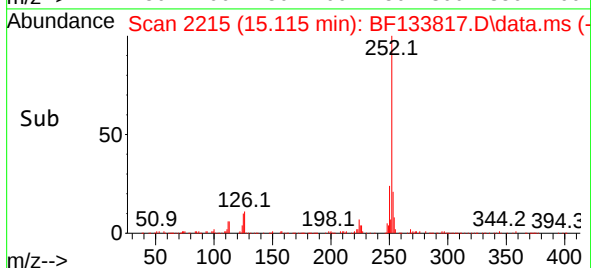
Reviewed By : Yogesh Patel 06/19/2023
Supervised By : mohammad ahmed 06/20/2023

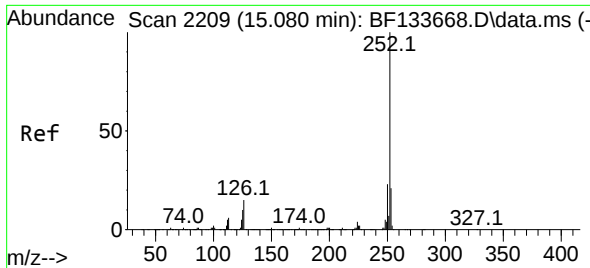


#88
Benzo(b)fluoranthene
Concen: 13.454 ng m
RT: 15.115 min Scan# 2215
Delta R.T. -0.000 min
Lab File: BF133817.D
Acq: 16 Jun 2023 20:49



Tgt Ion: 252 Resp: 93597
Ion Ratio Lower Upper
252 100
253 22.6 17.0 25.6
125 11.7 7.3 10.9#





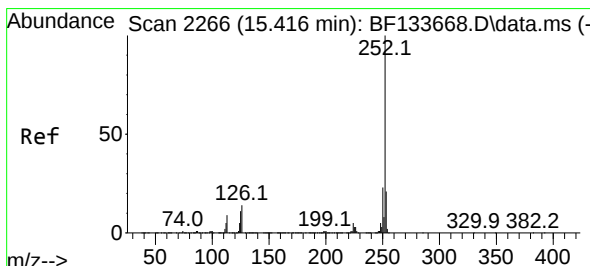
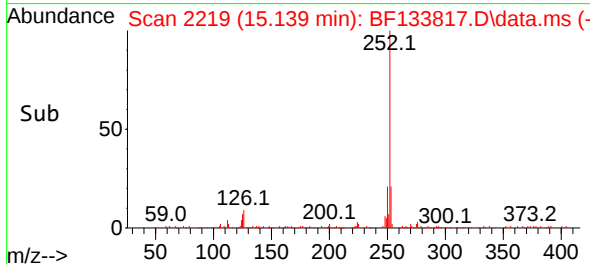
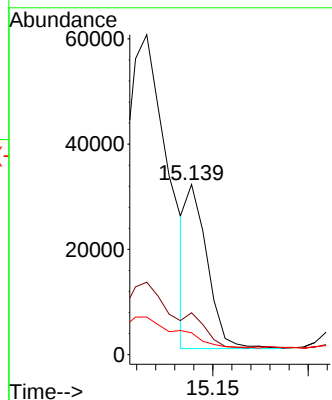
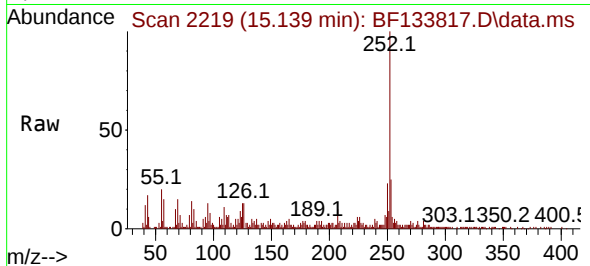
#89
Benzo(k)fluoranthene
Concen: 3.471 ng m
RT: 15.139 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133817.D
Acq: 16 Jun 2023 20:49

Instrument :
BNA_F
ClientSampleId :
HYATT-PIPE-TP

Tgt Ion:252 Resp: 2352
Ion Ratio Lower Upper
252 100
253 24.6 17.0 25.4
125 12.9 7.8 11.6

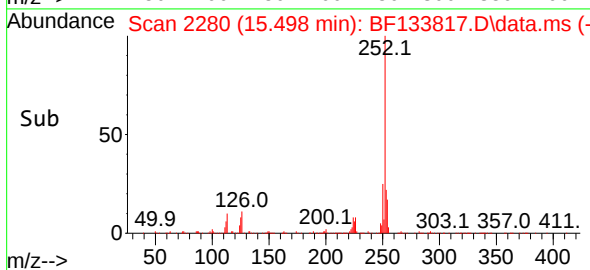
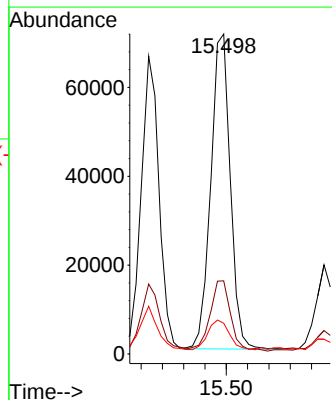
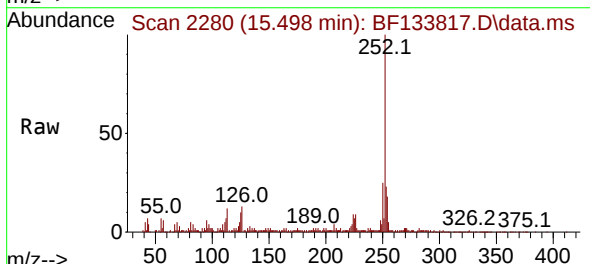
Manual Integrations
APPROVED

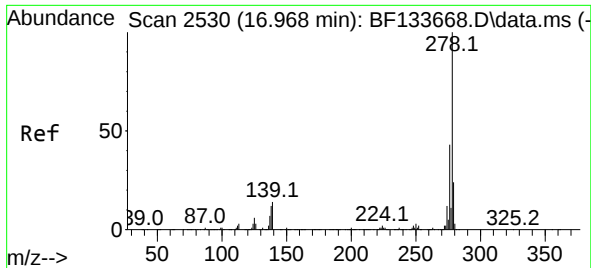
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#90
Benzo(a)pyrene
Concen: 13.947 ng
RT: 15.498 min Scan# 2280
Delta R.T. -0.000 min
Lab File: BF133817.D
Acq: 16 Jun 2023 20:49

Tgt Ion:252 Resp: 90047
Ion Ratio Lower Upper
252 100
253 22.9 17.1 25.7
125 9.6 8.6 13.0





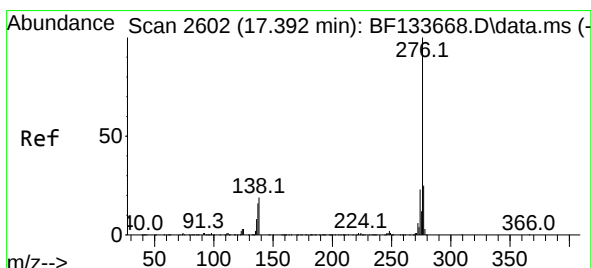
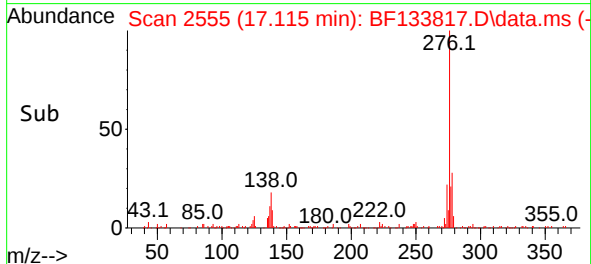
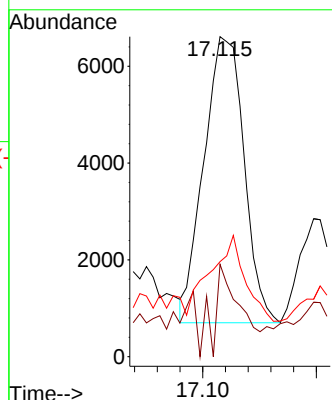
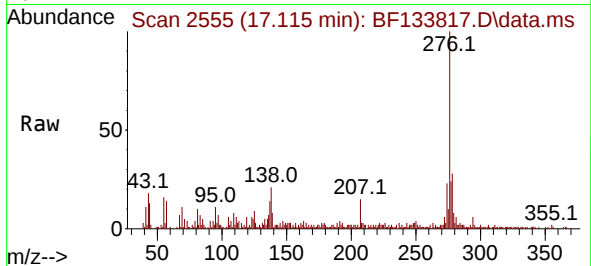
#91
Dibenzo(a,h)anthracene
Concen: 2.224 ng
RT: 17.115 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF133817.D
Acq: 16 Jun 2023 20:49

Instrument :
BNA_F
ClientSampleId :
HYATT-PIPE-TP

Tgt Ion: 278 Resp: 1450
Ion Ratio Lower Upper
278 100
139 28.9 11.4 17.2
279 29.7 19.0 28.4

Manual Integrations
APPROVED

Reviewed By : Yogesh Patel 06/19/2023
Supervised By : mohammad ahmed 06/20/2023



#92
Benzo(g,h,i)perylene
Concen: 18.987 ng
RT: 17.580 min Scan# 2634
Delta R.T. -0.012 min
Lab File: BF133817.D
Acq: 16 Jun 2023 20:49

Tgt Ion: 276 Resp: 122797
Ion Ratio Lower Upper
276 100
277 22.1 19.8 29.8
138 18.9 15.0 22.4

