

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062023\
 Data File : BF133863.D
 Acq On : 20 Jun 2023 18:54
 Operator : CG\JU
 Sample : 03224-12 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-15

Manual Integrations
 APPROVED

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

Quant Time: Jun 21 00:14:01 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	80691	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	276993	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	124109	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	221123	20.000	ng	0.00
76) Chrysene-d12	14.045	240	165343	20.000	ng	0.00
86) Perylene-d12	15.557	264	124675	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	322943	69.675	ng	0.00
7) Phenol-d6	6.492	99	375538	62.245	ng	0.00
23) Nitrobenzene-d5	7.416	82	239217	47.039	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	91016	57.935	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	453995	52.000	ng	0.00
79) Terphenyl-d14	12.986	244	450359	42.146	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.410	178	103297	9.208	ng	98
72) Anthracene	11.463	178	30477	2.605	ng	98
75) Fluoranthene	12.610	202	244191	20.497	ng	100
78) Pyrene	12.839	202	217225	14.103	ng	99
81) Benzo(a)anthracene	14.039	228	119390	10.439	ng	95
83) Chrysene	14.074	228	115137	10.644	ng	97
87) Indeno(1,2,3-cd)pyrene	17.098	276	44008	5.131	ng	98
88) Benzo(b)fluoranthene	15.109	252	125394m	16.557	ng	
89) Benzo(k)fluoranthene	15.133	252	42445m	5.753	ng	
90) Benzo(a)pyrene	15.492	252	71373	10.154	ng	100
92) Benzo(g,h,i)perylene	17.568	276	39835	5.658	ng #	94

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

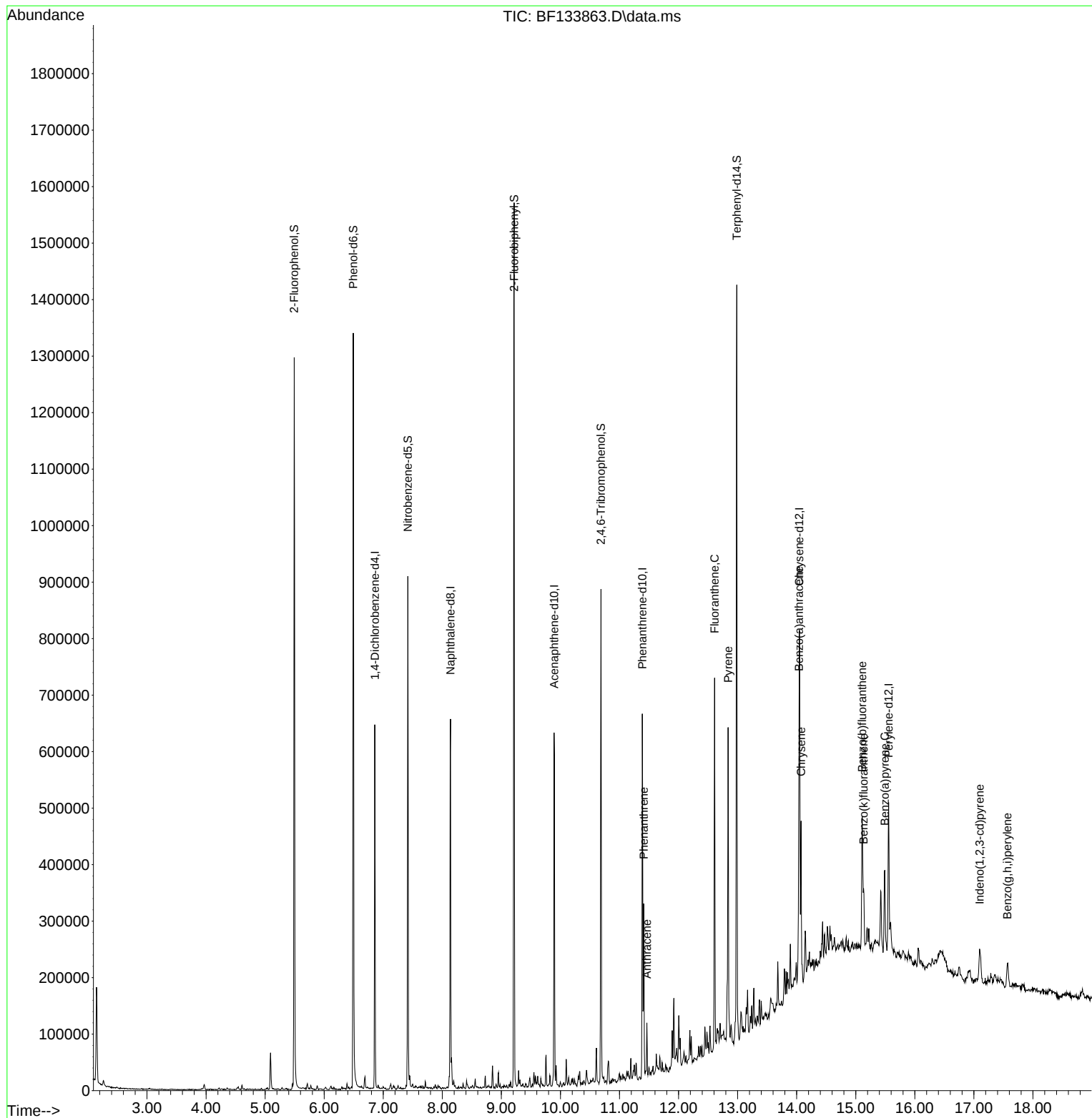
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062023\
Data File : BF133863.D
Acq On : 20 Jun 2023 18:54
Operator : CG\JU
Sample : 03224-12 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

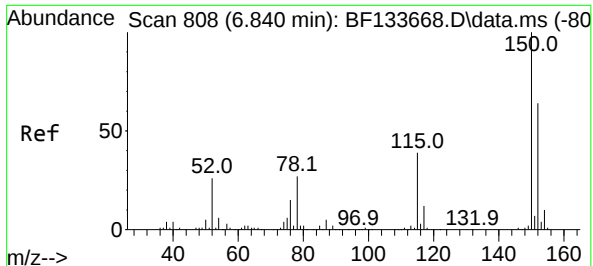
Instrument :
BNA_F
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COMPOSIT-SB-15

Quant Time: Jun 21 00:14:01 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

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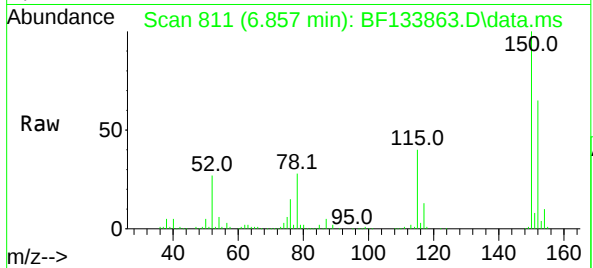
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF133863.D
Acq: 20 Jun 2023 18:54

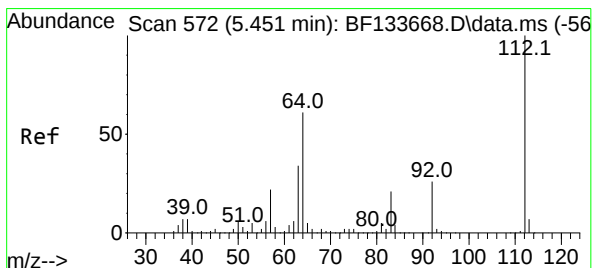
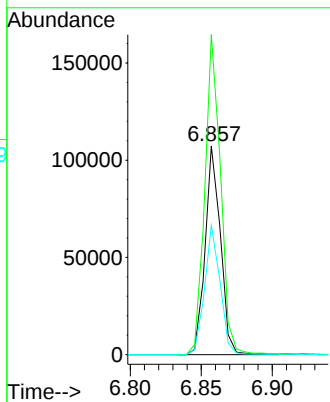
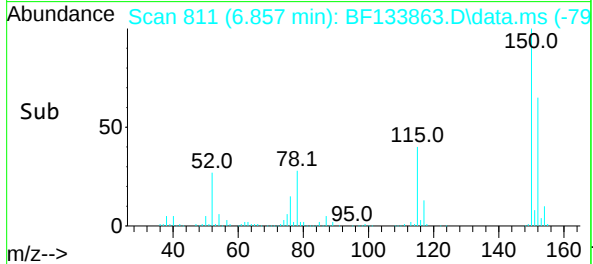
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-15



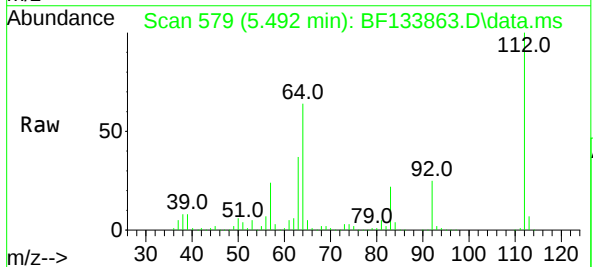
Tgt Ion:152 Resp: 8069
Ion Ratio Lower Upper
152 100
150 153.4 124.3 186.5
115 61.9 48.5 72.7

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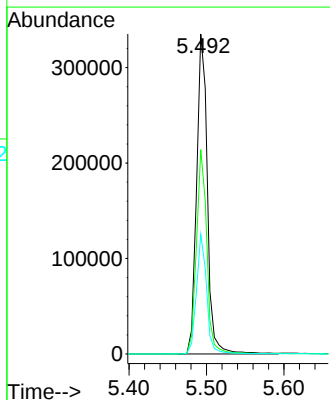
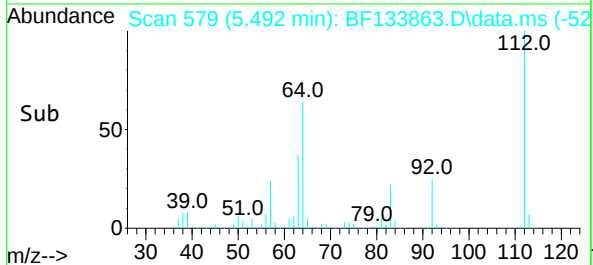
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023

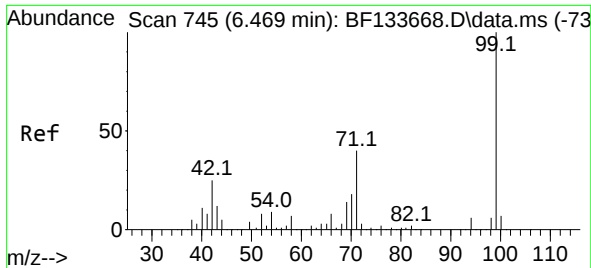


#5
2-Fluorophenol
Concen: 69.675 ng
RT: 5.492 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF133863.D
Acq: 20 Jun 2023 18:54



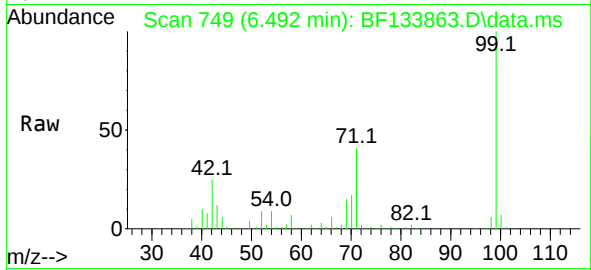
Tgt Ion:112 Resp: 322943
Ion Ratio Lower Upper
112 100
64 63.9 49.0 73.4
63 37.4 26.8 40.2





#7
Phenol-d6
Concen: 62.245 ng
RT: 6.492 min Scan# 745
Delta R.T. -0.000 min
Lab File: BF133863.D
Acq: 20 Jun 2023 18:54

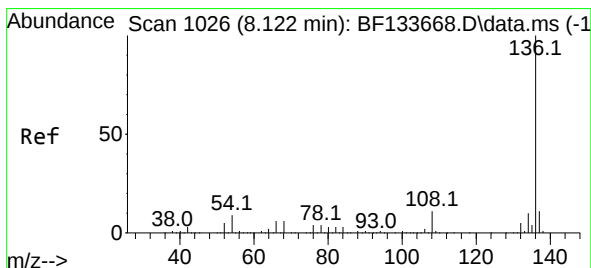
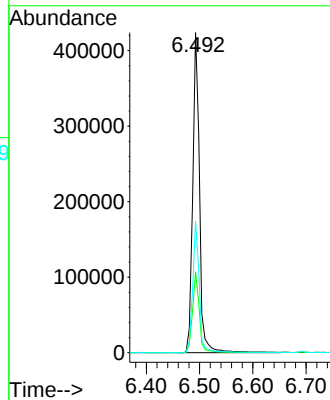
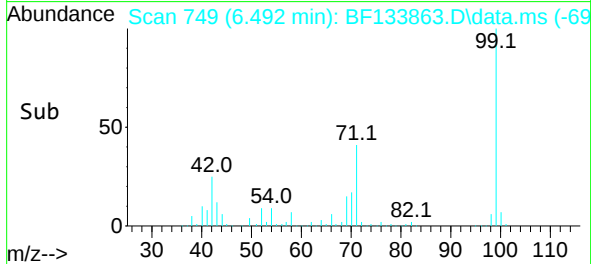
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-15



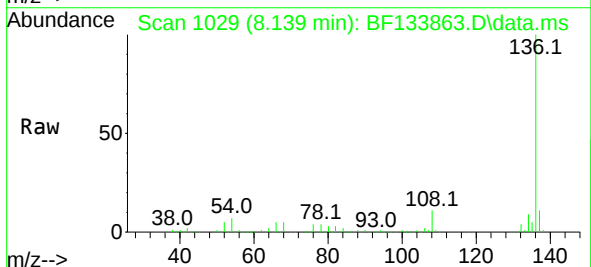
Tgt Ion: 99 Resp: 375538
Ion Ratio Lower Upper
99 100
42 25.3 19.9 29.9
71 41.1 32.2 48.4

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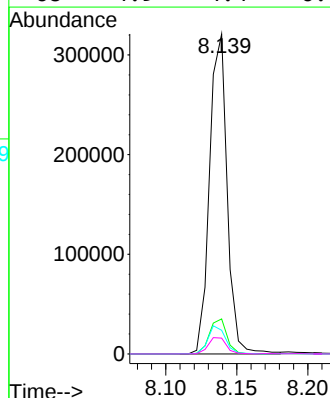
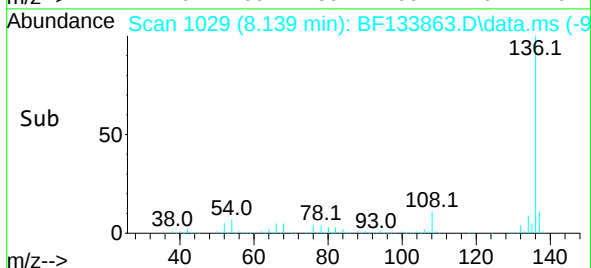
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.000 min
Lab File: BF133863.D
Acq: 20 Jun 2023 18:54



Tgt Ion:136 Resp: 276993
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.4 7.4 11.0
68 4.9 4.4 6.6





#23

Nitrobenzene-d5

Concen: 47.039 ng

RT: 7.416 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF133863.D

Acq: 20 Jun 2023 18:54

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-15

Tgt Ion: 82 Resp: 23921

Ion Ratio Lower Upper

82 100

128 41.7 34.2 51.2

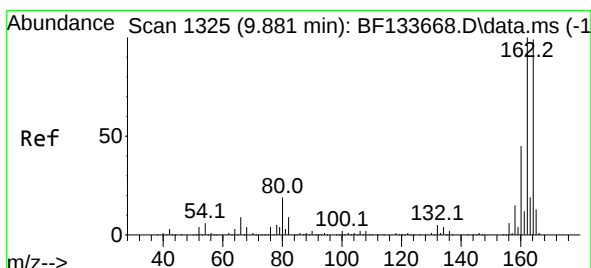
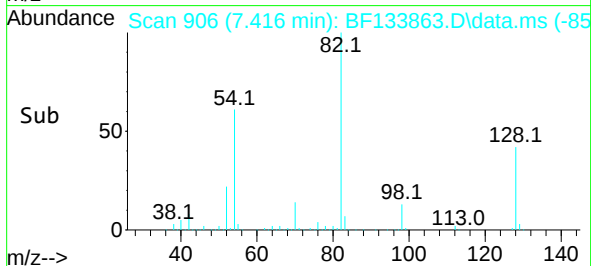
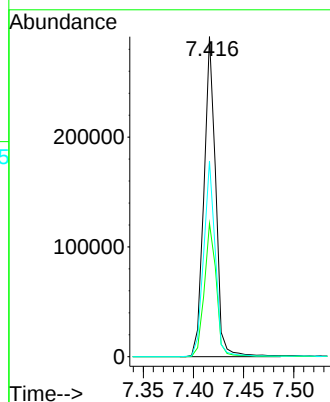
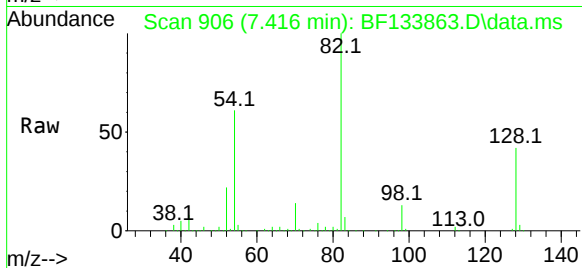
54 61.1 46.5 69.7

Manual Integrations

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Reviewed By :Yogesh Patel 06/21/2023

Supervised By :mohammad ahmed 06/21/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.892 min Scan# 1327

Delta R.T. -0.006 min

Lab File: BF133863.D

Acq: 20 Jun 2023 18:54

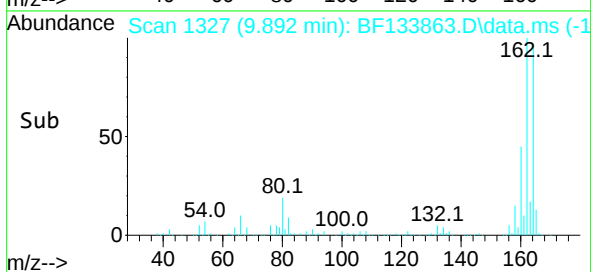
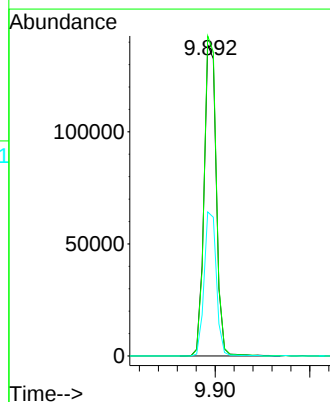
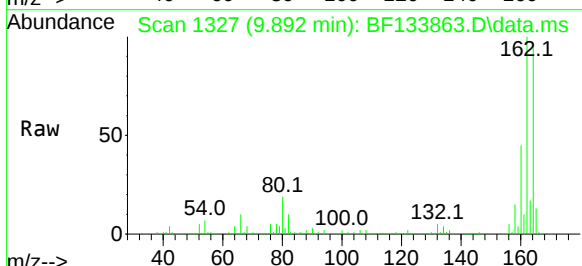
Tgt Ion:164 Resp: 124109

Ion Ratio Lower Upper

164 100

162 102.9 80.8 121.2

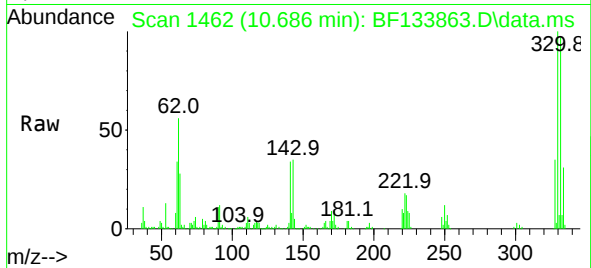
160 46.3 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 57.935 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF133863.D
Acq: 20 Jun 2023 18:54

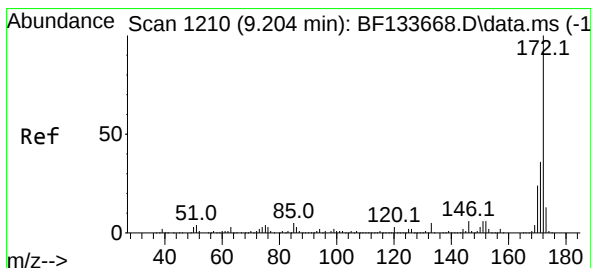
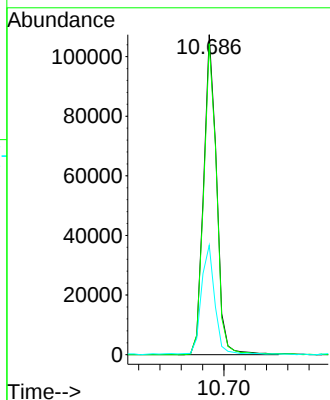
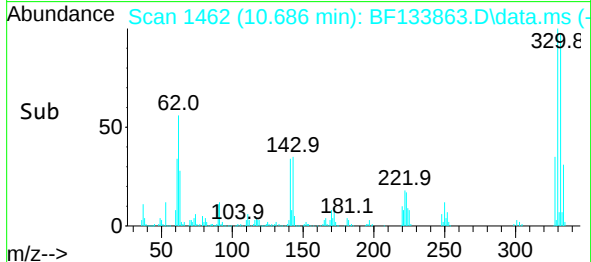
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-15



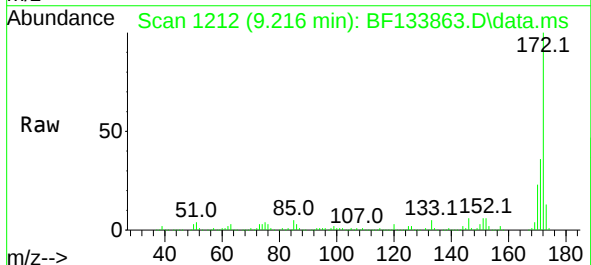
Tgt Ion: 330 Resp: 91010
Ion Ratio Lower Upper
330 100
332 97.4 77.2 115.8
141 36.3 24.9 37.3

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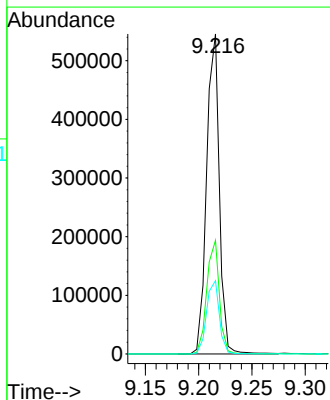
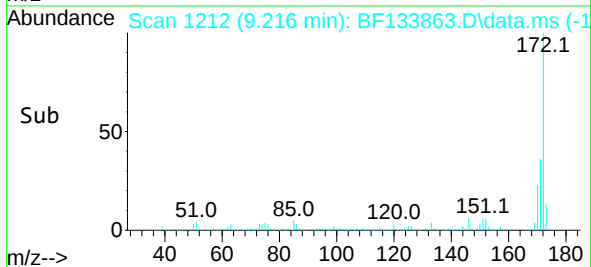
Reviewed By : Yogesh Patel 06/21/2023
Supervised By : mohammad ahmed 06/21/2023



#45
2-Fluorobiphenyl
Concen: 52.000 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.000 min
Lab File: BF133863.D
Acq: 20 Jun 2023 18:54



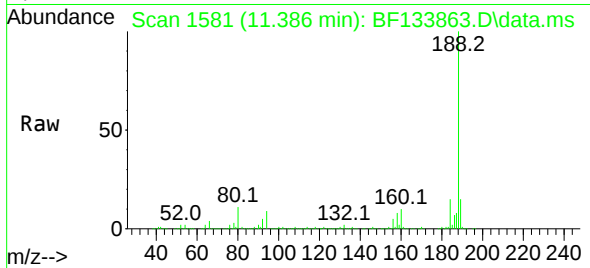
Tgt Ion: 172 Resp: 453995
Ion Ratio Lower Upper
172 100
171 35.5 28.6 43.0
170 22.9 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.000 min
Lab File: BF133863.D
Acq: 20 Jun 2023 18:54

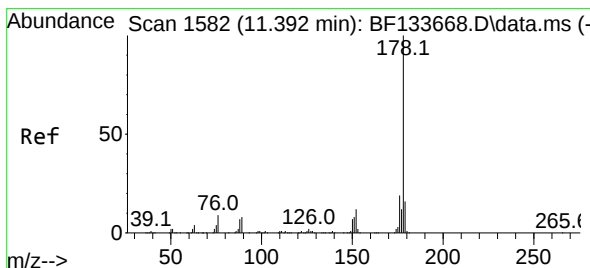
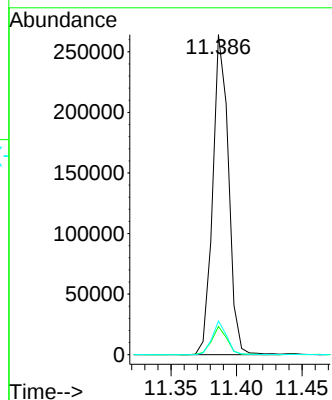
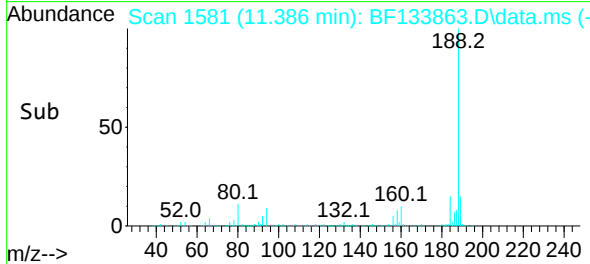
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-15



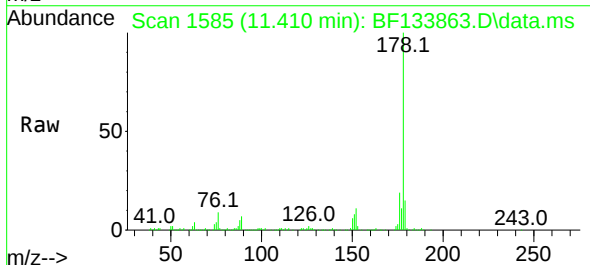
Tgt Ion:188 Resp: 22112
Ion Ratio Lower Upper
188 100
94 8.8 6.8 10.2
80 10.5 7.8 11.6

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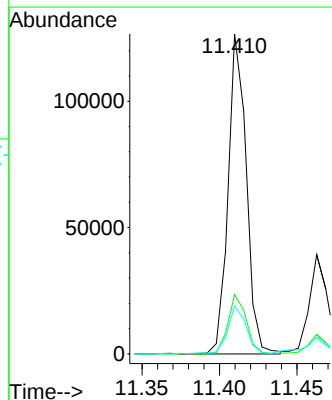
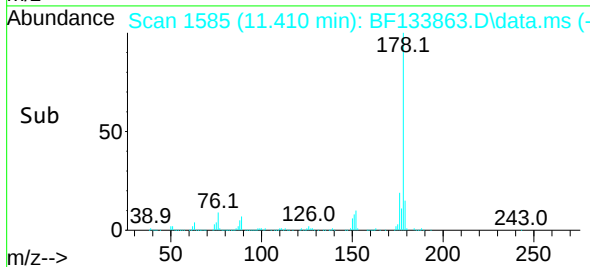
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023

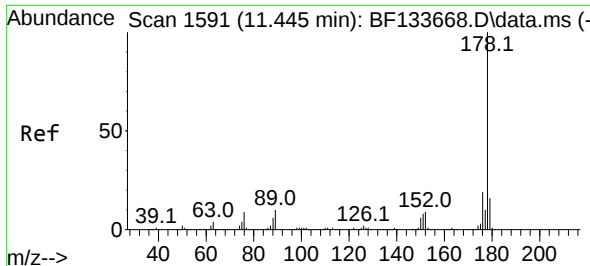


#71
Phenanthrene
Concen: 9.208 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF133863.D
Acq: 20 Jun 2023 18:54



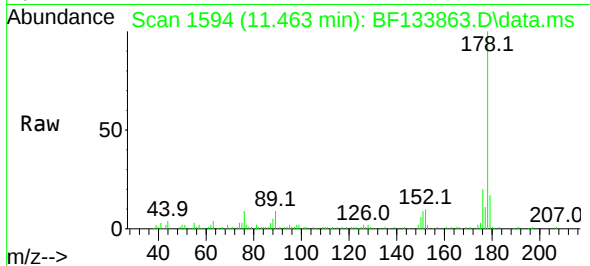
Tgt Ion:178 Resp: 103297
Ion Ratio Lower Upper
178 100
176 18.6 15.6 23.4
179 15.0 12.4 18.6





#72
 Anthracene
 Concen: 2.605 ng
 RT: 11.463 min Scan# 1147
 Delta R.T. -0.006 min
 Lab File: BF133863.D
 Acq: 20 Jun 2023 18:54

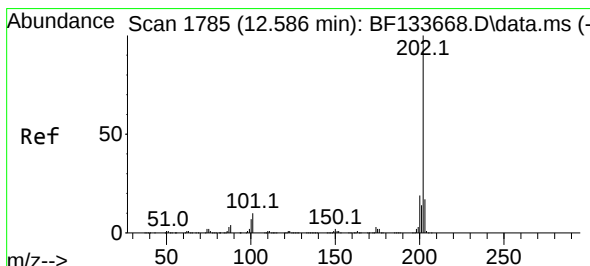
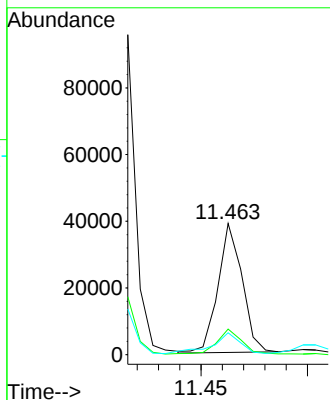
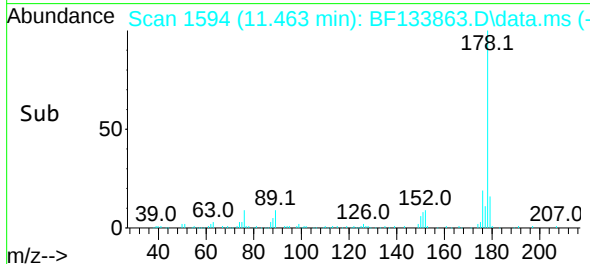
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-15



Tgt Ion:178 Resp: 3047
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.1 22.7
 179 16.8 12.6 18.8

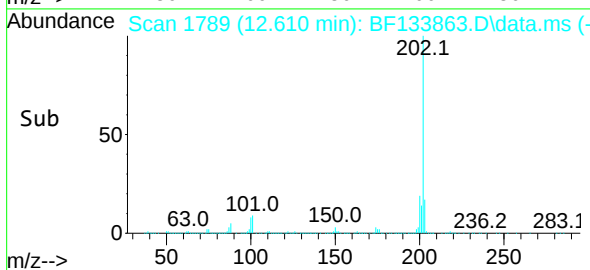
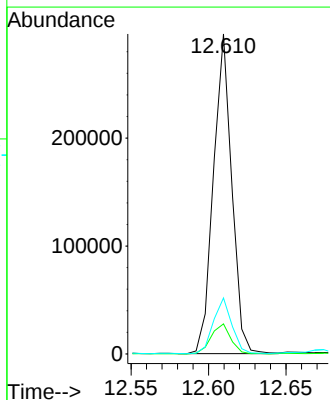
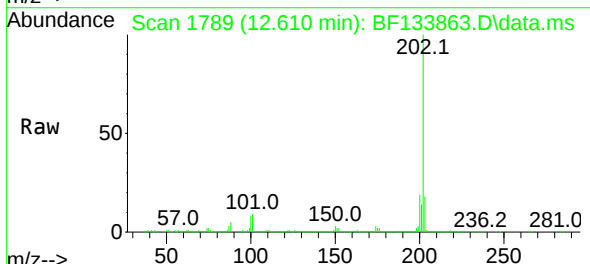
Manual Integrations
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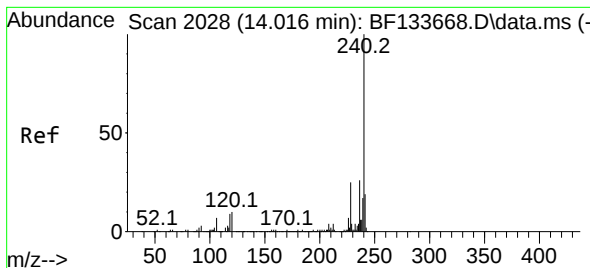
Reviewed By :Yogesh Patel 06/21/2023
 Supervised By :mohammad ahmed 06/21/2023



#75
 Fluoranthene
 Concen: 20.497 ng
 RT: 12.610 min Scan# 1789
 Delta R.T. -0.000 min
 Lab File: BF133863.D
 Acq: 20 Jun 2023 18:54

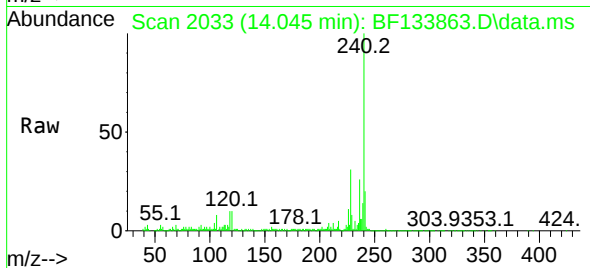
Tgt Ion:202 Resp: 244191
 Ion Ratio Lower Upper
 202 100
 101 9.4 0.0 29.6
 203 17.5 0.0 37.4





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF133863.D
Acq: 20 Jun 2023 18:54

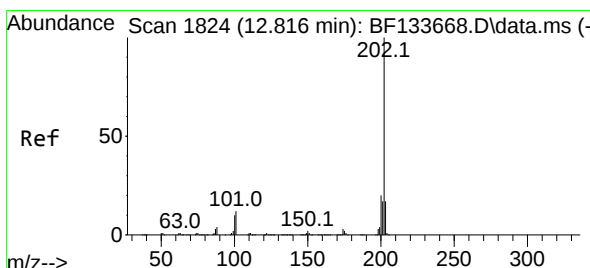
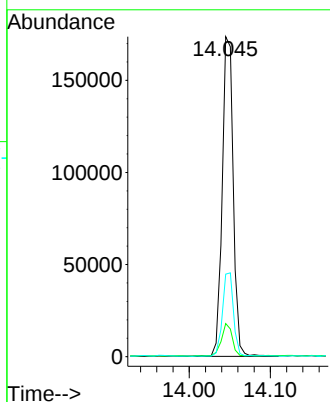
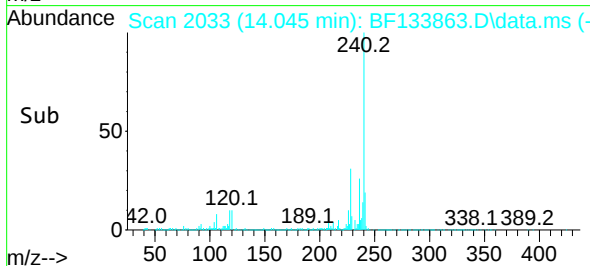
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-15



Tgt Ion:240 Resp: 16534
Ion Ratio Lower Upper
240 100
120 10.4 8.1 12.1
236 25.8 20.5 30.7

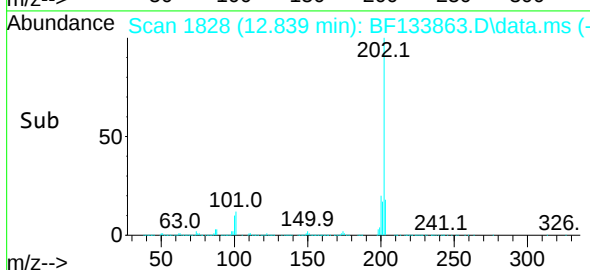
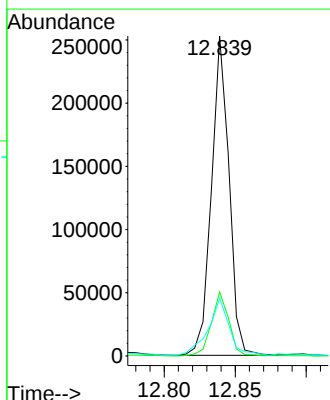
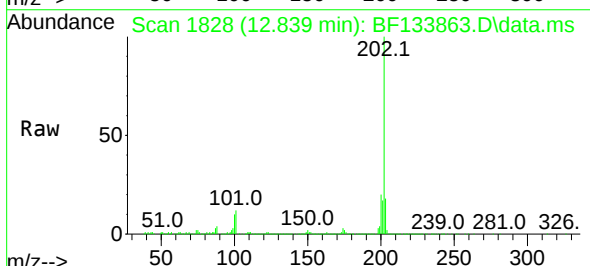
Manual Integrations
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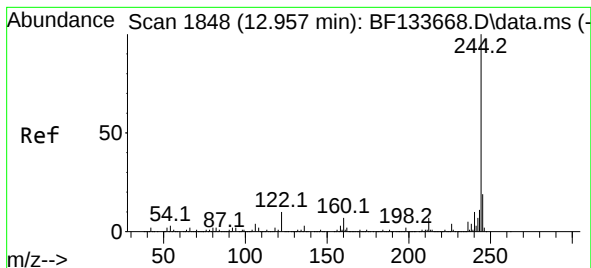
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023



#78
Pyrene
Concen: 14.103 ng
RT: 12.839 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BF133863.D
Acq: 20 Jun 2023 18:54

Tgt Ion:202 Resp: 217225
Ion Ratio Lower Upper
202 100
200 20.0 16.2 24.2
203 18.0 13.9 20.9





#79

Terphenyl-d14

Concen: 42.146 ng

RT: 12.986 min Scan# 1848

Delta R.T. 0.000 min

Lab File: BF133863.D

Acq: 20 Jun 2023 18:54

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-15

Tgt Ion:244 Resp: 450359

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

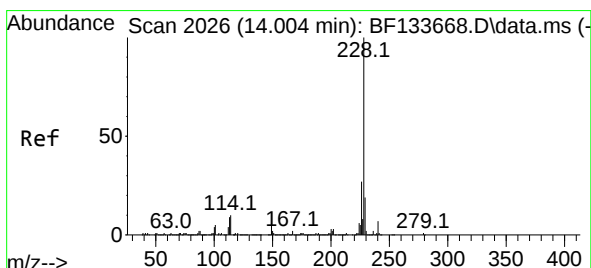
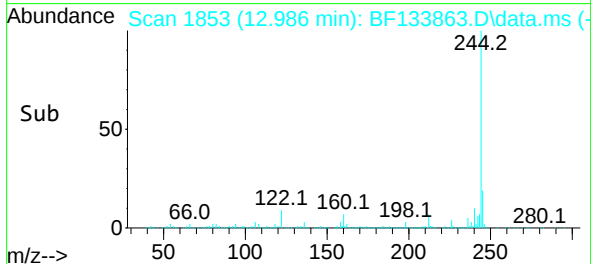
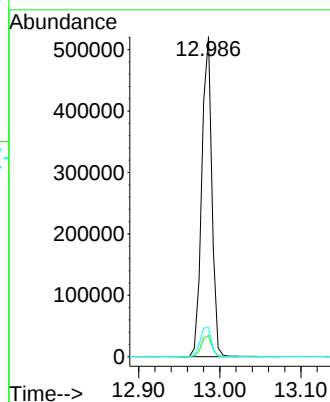
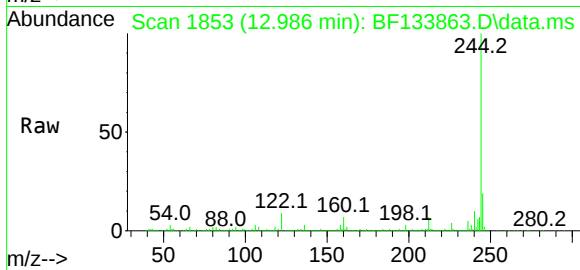
122 9.1 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/21/2023

Supervised By :mohammad ahmed 06/21/2023



#81

Benzo(a)anthracene

Concen: 10.439 ng

RT: 14.039 min Scan# 2032

Delta R.T. 0.006 min

Lab File: BF133863.D

Acq: 20 Jun 2023 18:54

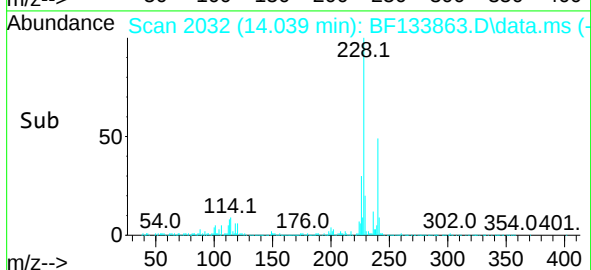
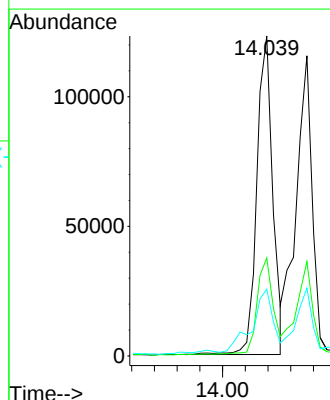
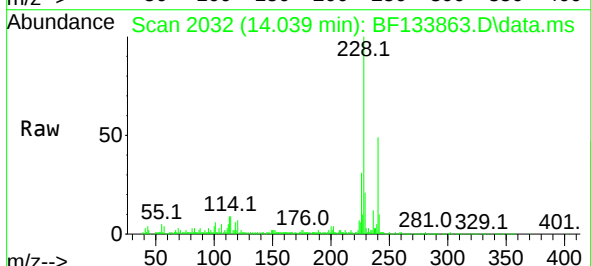
Tgt Ion:228 Resp: 119390

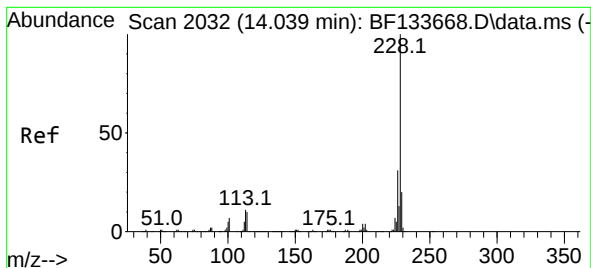
Ion Ratio Lower Upper

228 100

226 30.7 21.7 32.5

229 20.8 15.4 23.2





#83

Chrysene

Concen: 10.644 ng

RT: 14.074 min Scan# 2032

Delta R.T. 0.000 min

Lab File: BF133863.D

Acq: 20 Jun 2023 18:54

Instrument :

BNA_F

ClientSampleId :

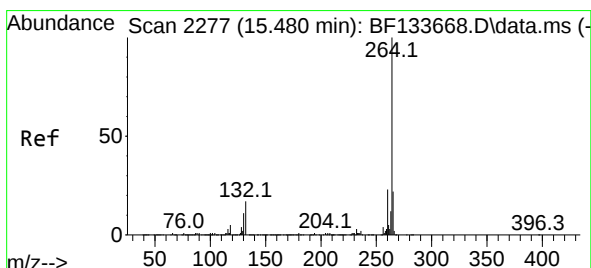
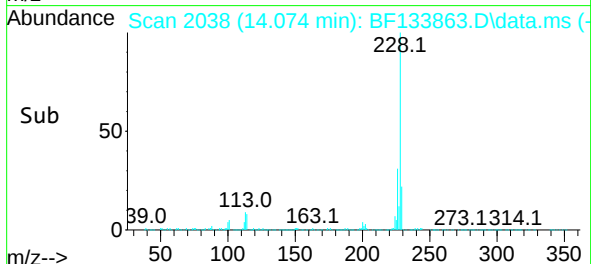
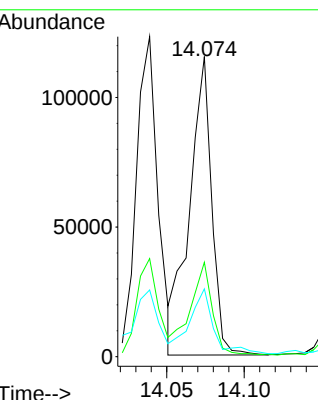
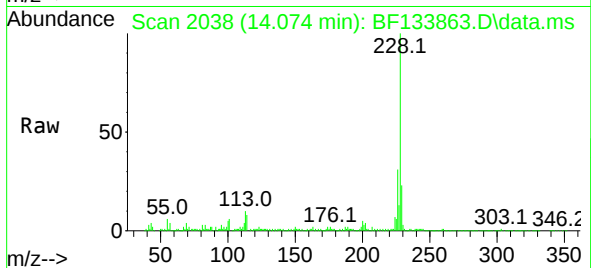
COMPOSIT-SB-15

Tgt Ion:228	Resp: 11513
Ion Ratio	Lower Upper
228 100	
226 31.5	25.0 37.6
229 22.6	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

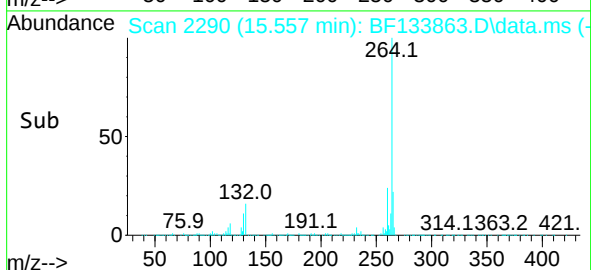
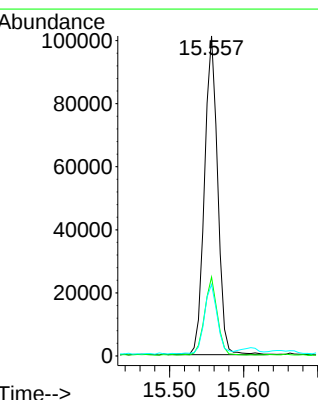
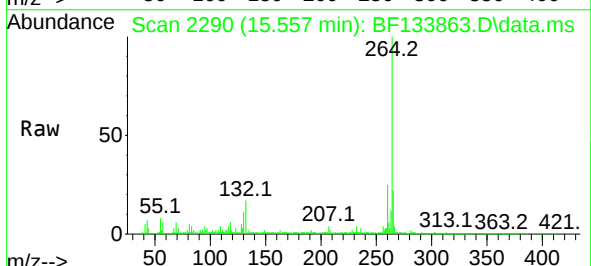
RT: 15.557 min Scan# 2290

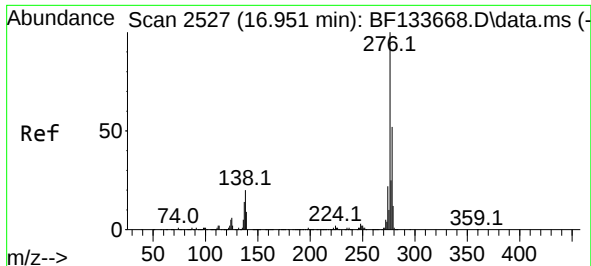
Delta R.T. 0.006 min

Lab File: BF133863.D

Acq: 20 Jun 2023 18:54

Tgt Ion:264	Resp: 124675
Ion Ratio	Lower Upper
264 100	
260 24.7	18.2 27.2
265 22.3	17.8 26.6





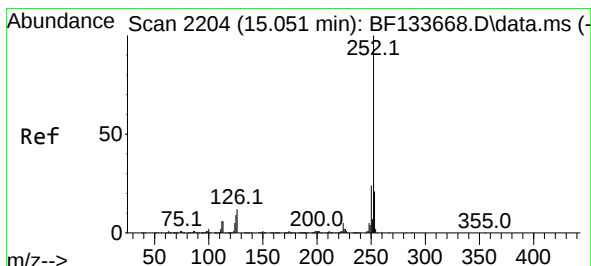
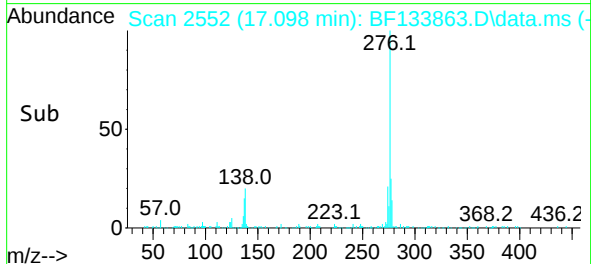
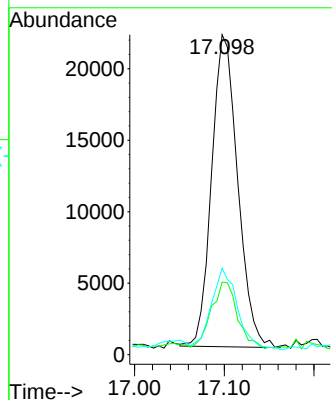
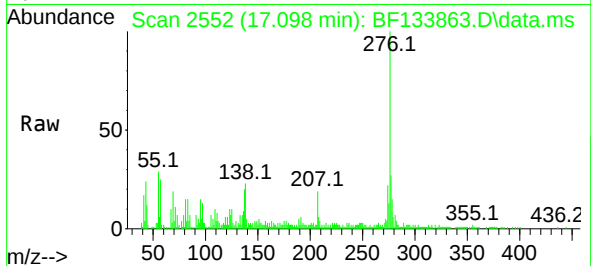
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.131 ng
RT: 17.098 min Scan# 2114
Delta R.T. 0.000 min
Lab File: BF133863.D
Acq: 20 Jun 2023 18:54

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-15

Tgt Ion:276 Resp: 44008
Ion Ratio Lower Upper
276 100
138 21.8 17.9 26.9
277 26.2 20.3 30.5

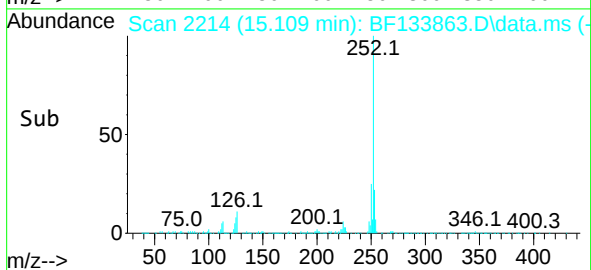
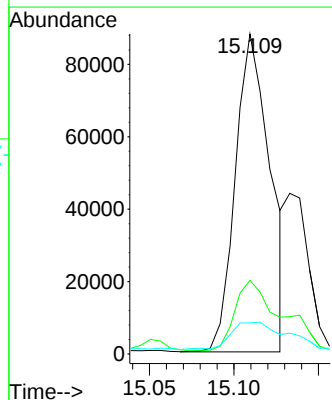
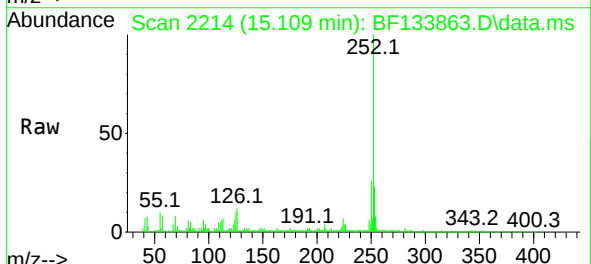
Manual Integrations
APPROVED

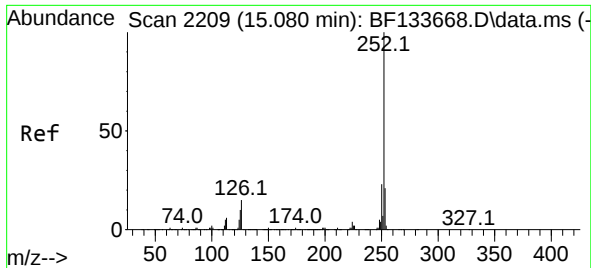
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023



#88
Benzo(b)fluoranthene
Concen: 16.557 ng m
RT: 15.109 min Scan# 2214
Delta R.T. 0.006 min
Lab File: BF133863.D
Acq: 20 Jun 2023 18:54

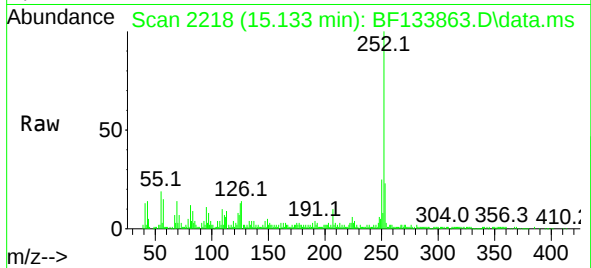
Tgt Ion:252 Resp: 125394
Ion Ratio Lower Upper
252 100
253 23.0 17.0 25.6
125 9.7 7.3 10.9





#89
Benzo(k)fluoranthene
Concen: 5.753 ng m
RT: 15.133 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF133863.D
Acq: 20 Jun 2023 18:54

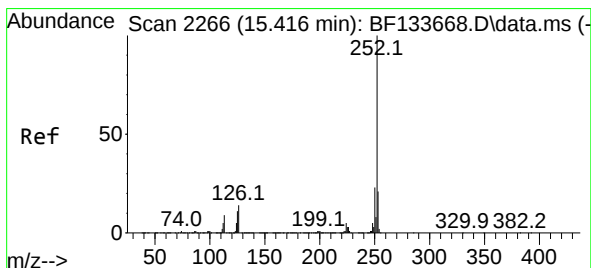
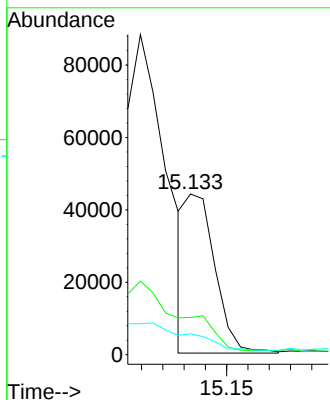
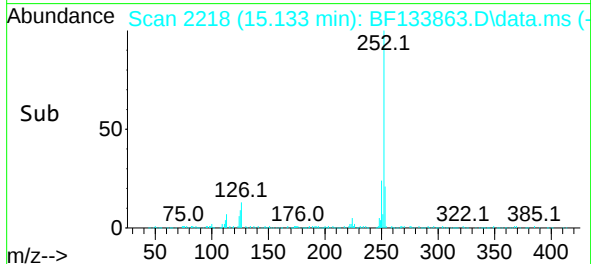
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-15



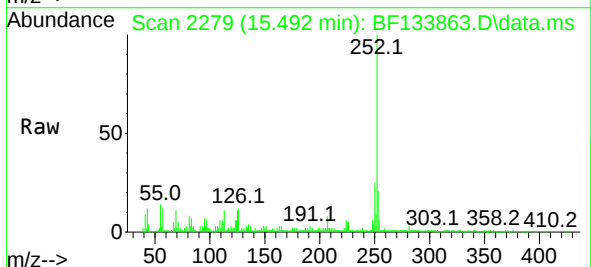
Tgt Ion:252 Resp: 42445
Ion Ratio Lower Upper
252 100
253 23.2 17.0 25.4
125 13.0 7.8 11.6

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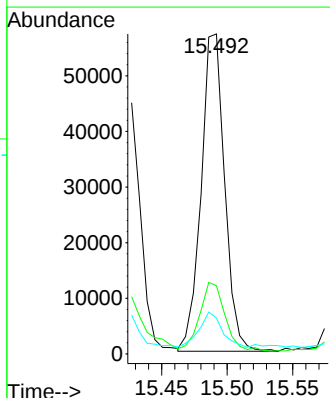
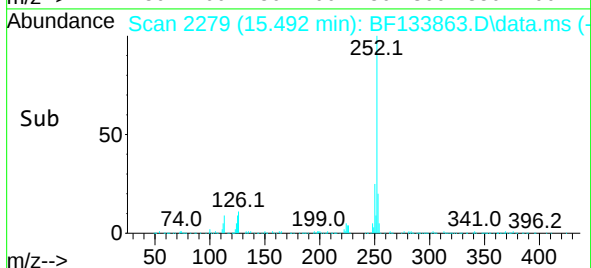
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023

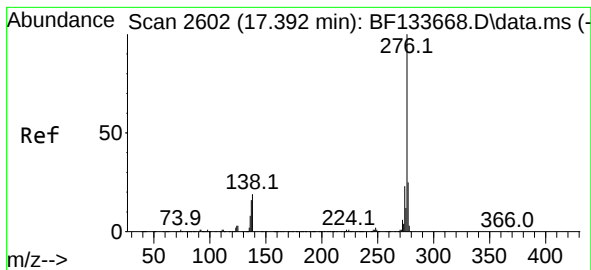


#90
Benzo(a)pyrene
Concen: 10.154 ng
RT: 15.492 min Scan# 2279
Delta R.T. 0.006 min
Lab File: BF133863.D
Acq: 20 Jun 2023 18:54



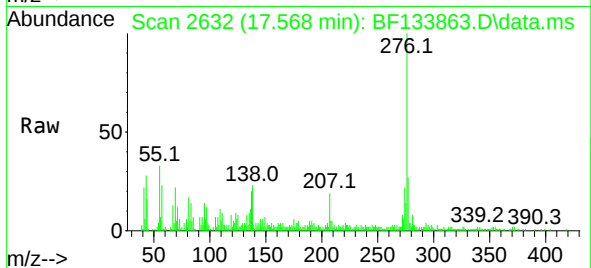
Tgt Ion:252 Resp: 71373
Ion Ratio Lower Upper
252 100
253 21.4 17.1 25.7
125 11.2 8.6 13.0





#92
 Benzo(g,h,i)perylene
 Concen: 5.658 ng
 RT: 17.568 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF133863.D
 Acq: 20 Jun 2023 18:54

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-15



Tgt Ion:276	Resp:	3983
Ion Ratio	Lower	Upper
276	100	
277	26.9	19.8 29.8
138	22.7	15.0 22.4

Manual Integrations
 APPROVED

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

