

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062223\
 Data File : BF133896.D
 Acq On : 22 Jun 2023 12:19
 Operator : CG\JU
 Sample : 03296-13DL 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-TW-01DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023

Quant Time: Jun 22 13:23:21 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	98849	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	380011	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	190624	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	350692	20.000	ng	0.00
76) Chrysene-d12	14.051	240	215238	20.000	ng	0.00
86) Perylene-d12	15.563	264	251204	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	308023	54.248	ng	0.00
7) Phenol-d6	6.487	99	364890	49.370	ng	0.00
23) Nitrobenzene-d5	7.416	82	244229	35.005	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	111443	46.185	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	496595	37.032	ng	0.00
79) Terphenyl-d14	12.980	244	463373	33.312	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.928	154	51797	4.610	ng	98
58) Fluorene	10.445	166	45452	3.467	ng	97
71) Phenanthrene	11.416	178	580065	32.602	ng	99
72) Anthracene	11.463	178	176483	9.513	ng	99
73) Carbazole	11.622	167	63722	3.688	ng	99
75) Fluoranthene	12.616	202	996890	52.762	ng	100
78) Pyrene	12.845	202	888561	44.317	ng	99
81) Benzo(a)anthracene	14.039	228	497418	33.410	ng	97
83) Chrysene	14.074	228	391977	27.836	ng	97
87) Indeno(1,2,3-cd)pyrene	17.104	276	249696	14.448	ng	99
88) Benzo(b)fluoranthene	15.116	252	574545m	37.651	ng	
89) Benzo(k)fluoranthene	15.139	252	174491m	11.739	ng	
90) Benzo(a)pyrene	15.498	252	426664	30.127	ng	96
91) Dibenzo(a,h)anthracene	17.115	278	62774	4.387	ng	92
92) Benzo(g,h,i)perylene	17.574	276	238900	16.841	ng	97

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

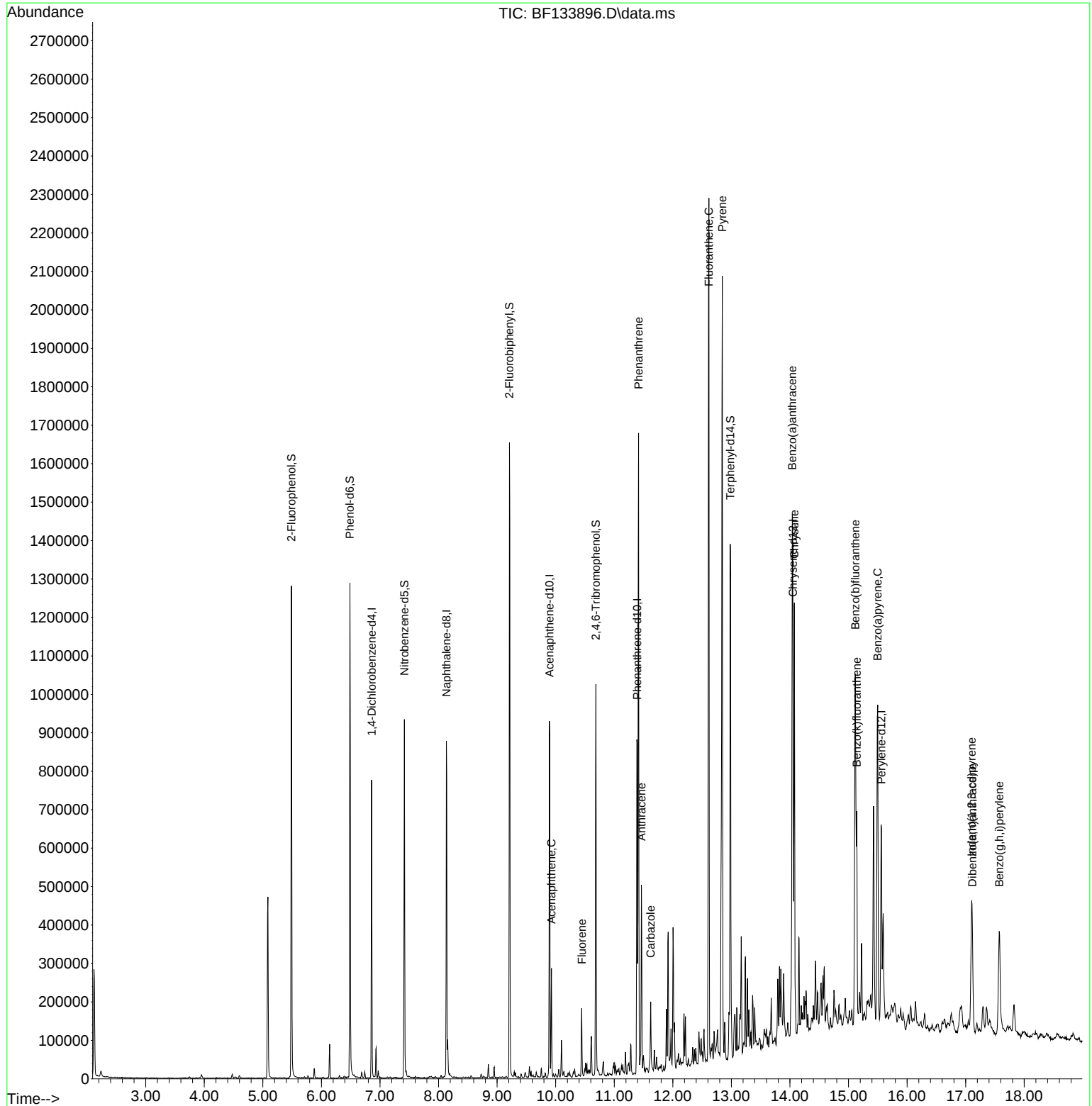
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062223\
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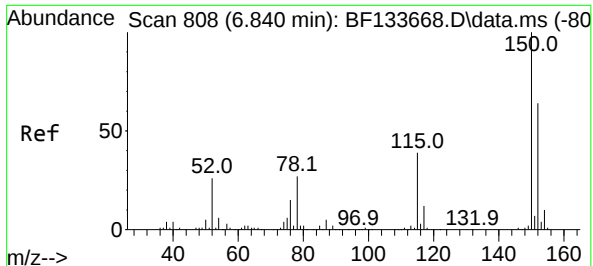
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Quant Time: Jun 22 13:23:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
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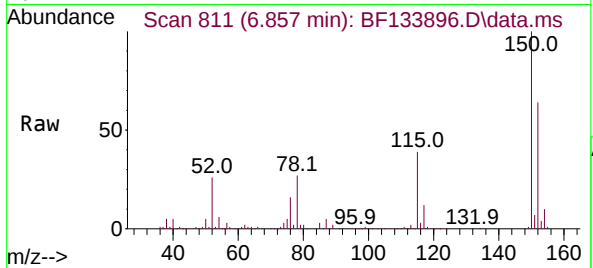
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF133896.D
Acq: 22 Jun 2023 12:19

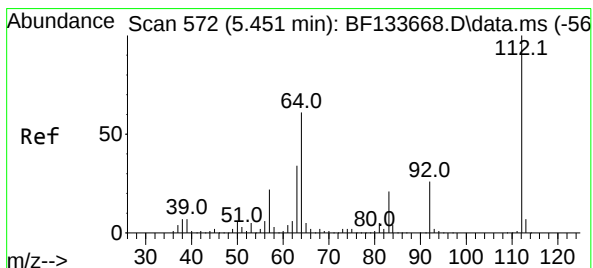
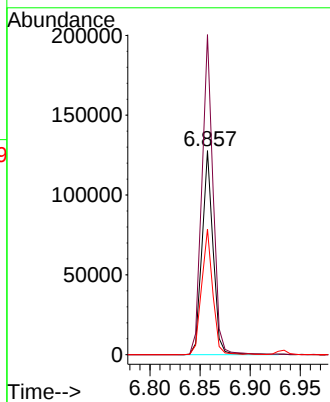
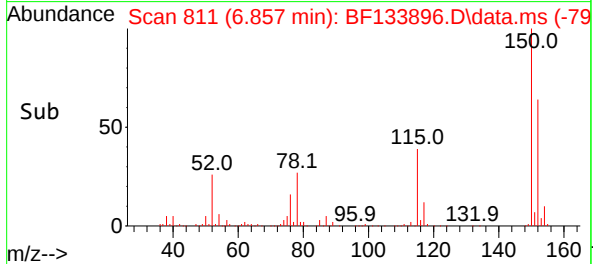
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TW-01DL



Tgt Ion:152 Resp: 98849
Ion Ratio Lower Upper
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150 156.9 124.3 186.5
115 61.6 48.5 72.7

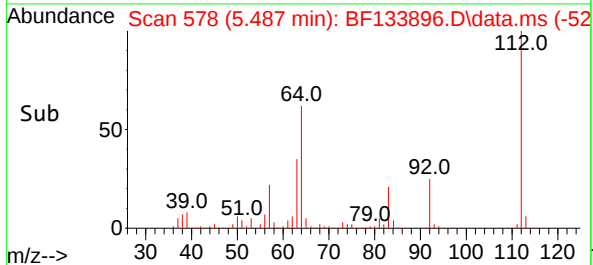
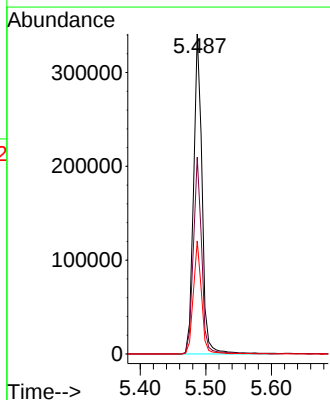
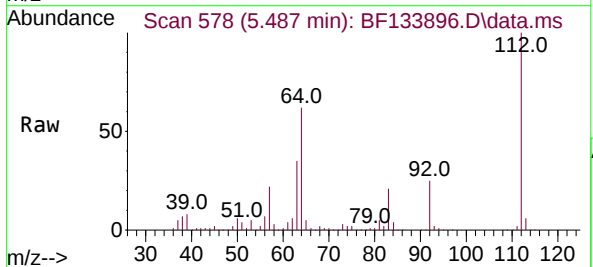
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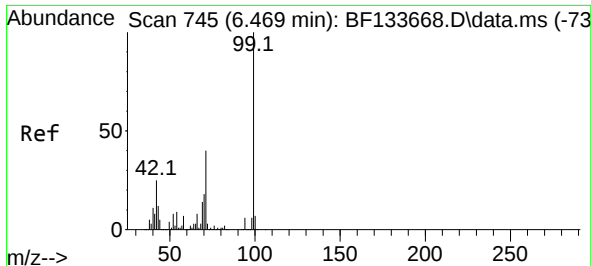
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#5
2-Fluorophenol
Concen: 54.248 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF133896.D
Acq: 22 Jun 2023 12:19

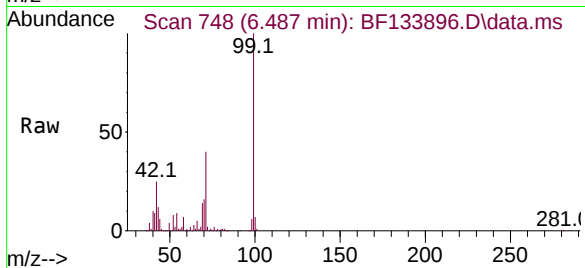
Tgt Ion:112 Resp: 308023
Ion Ratio Lower Upper
112 100
64 61.5 49.0 73.4
63 35.3 26.8 40.2





#7
Phenol-d6
Concen: 49.370 ng
RT: 6.487 min Scan# 745
Delta R.T. -0.006 min
Lab File: BF133896.D
Acq: 22 Jun 2023 12:19

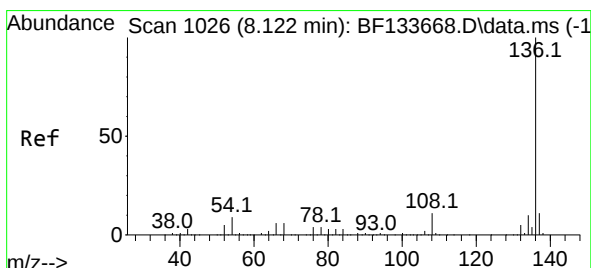
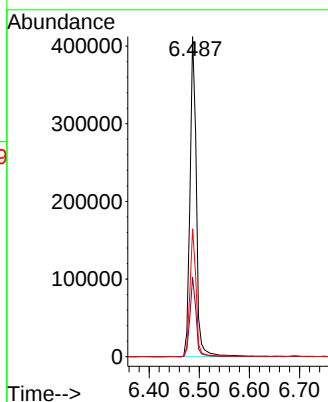
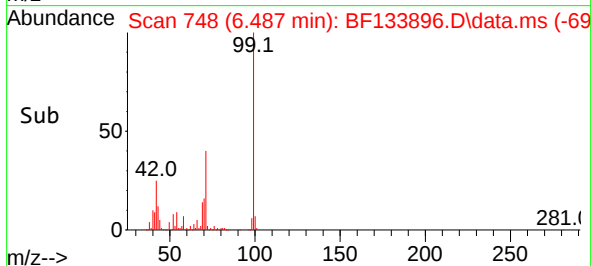
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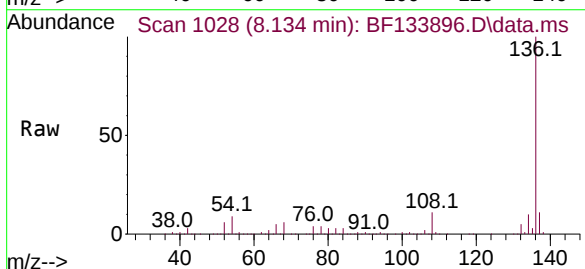
Tgt Ion: 99 Resp: 364890
Ion Ratio Lower Upper
99 100
42 24.9 19.9 29.9
71 40.0 32.2 48.4

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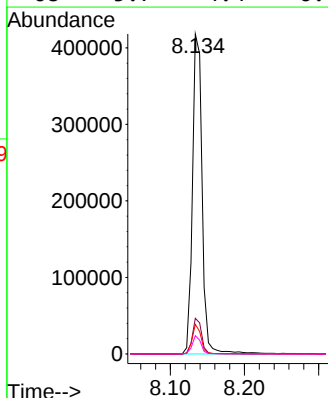
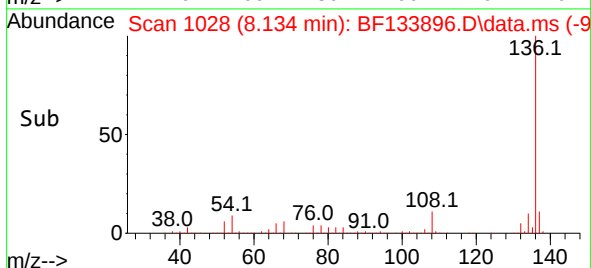
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023

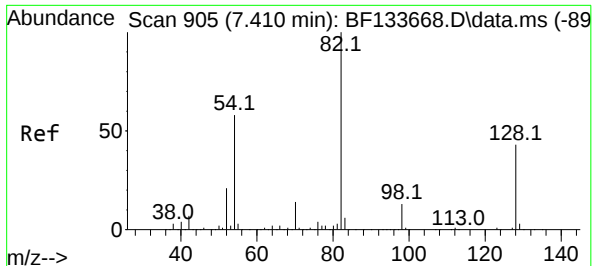


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF133896.D
Acq: 22 Jun 2023 12:19



Tgt Ion:136 Resp: 380011
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 9.2 7.4 11.0
68 5.7 4.4 6.6





#23

Nitrobenzene-d5

Concen: 35.005 ng

RT: 7.416 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF133896.D

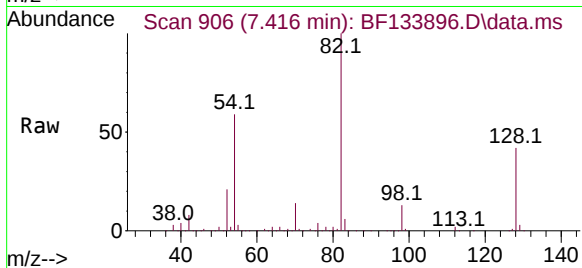
Acq: 22 Jun 2023 12:19

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-TW-01DL



Tgt Ion: 82 Resp: 244229

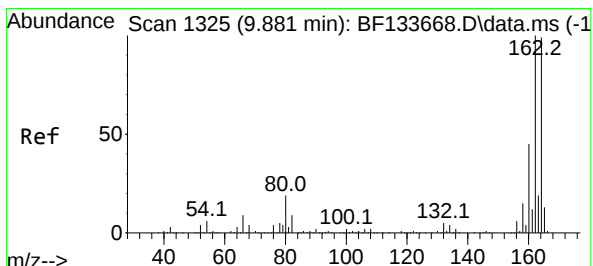
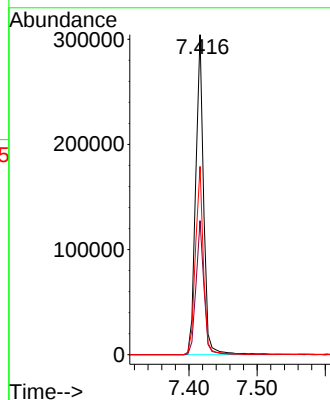
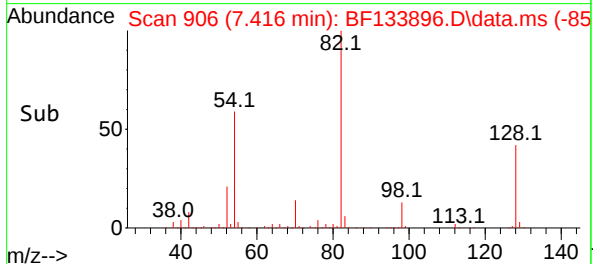
Ion	Ratio	Lower	Upper
82	100		
128	41.9	34.2	51.2
54	58.9	46.5	69.7

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.892 min Scan# 1327

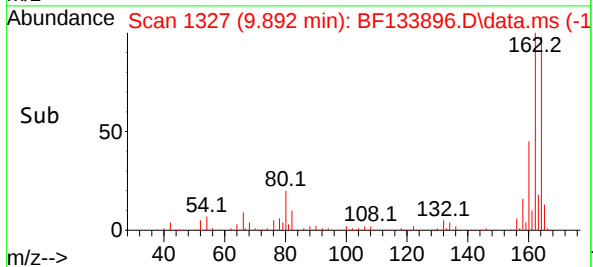
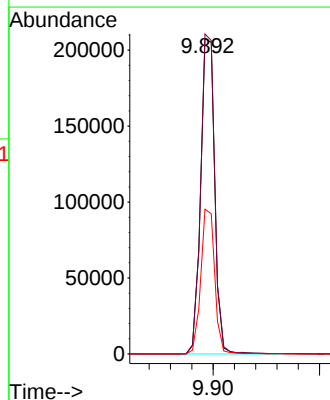
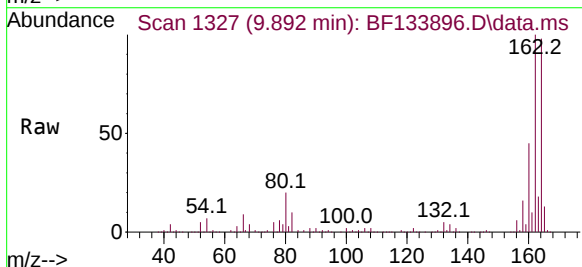
Delta R.T. -0.006 min

Lab File: BF133896.D

Acq: 22 Jun 2023 12:19

Tgt Ion:164 Resp: 190624

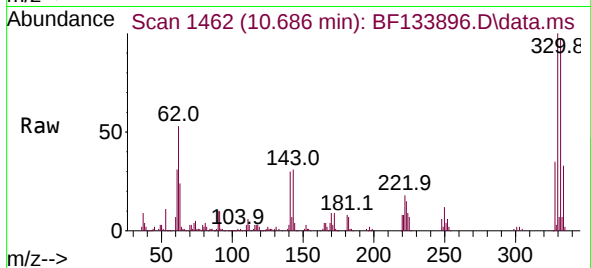
Ion	Ratio	Lower	Upper
164	100		
162	101.5	80.8	121.2
160	45.9	36.7	55.1





#42
2,4,6-Tribromophenol
Concen: 46.185 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF133896.D
Acq: 22 Jun 2023 12:19

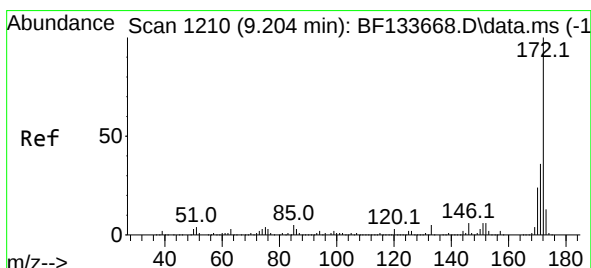
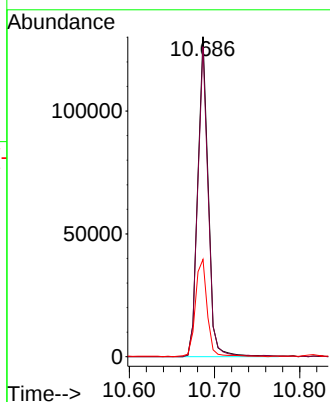
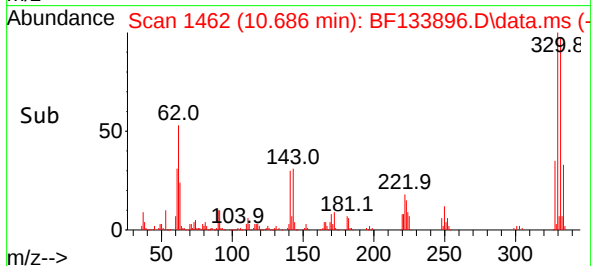
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TW-01DL



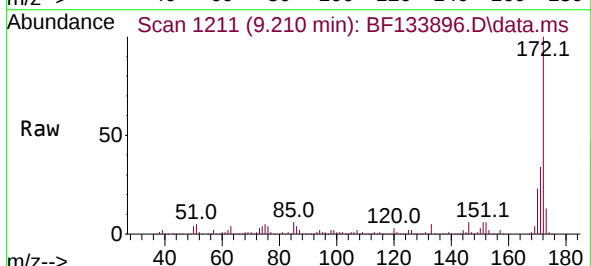
Tgt Ion: 330 Resp: 11144
Ion Ratio Lower Upper
330 100
332 96.4 77.2 115.8
141 34.6 24.9 37.3

Manual Integrations
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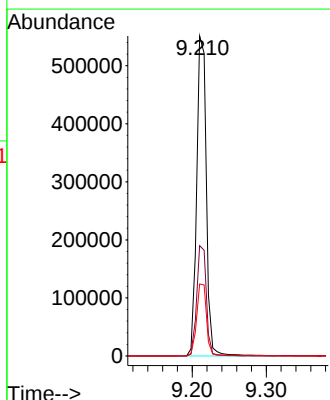
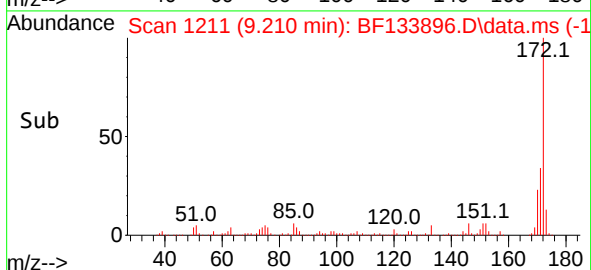
Reviewed By : Yogesh Patel 06/23/2023
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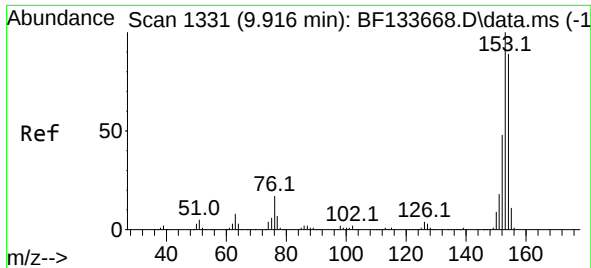


#45
2-Fluorobiphenyl
Concen: 37.032 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF133896.D
Acq: 22 Jun 2023 12:19



Tgt Ion: 172 Resp: 496595
Ion Ratio Lower Upper
172 100
171 34.5 28.6 43.0
170 22.5 19.1 28.7





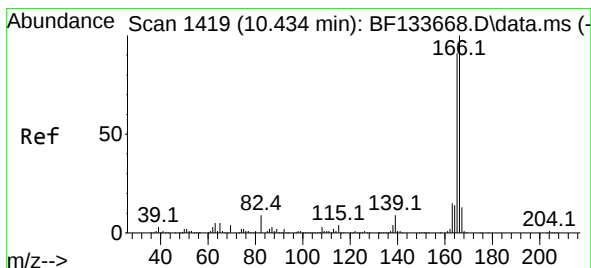
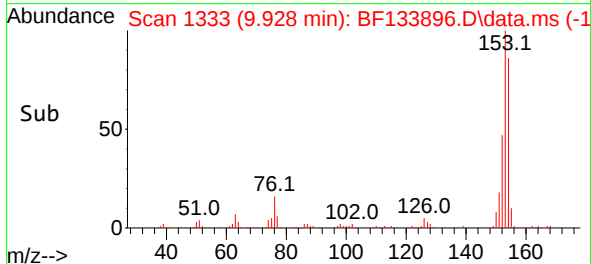
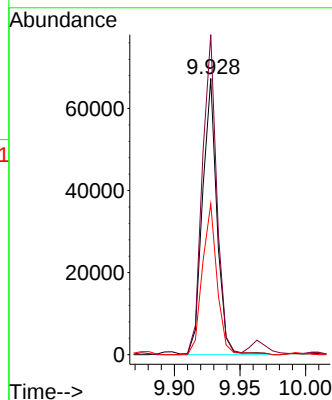
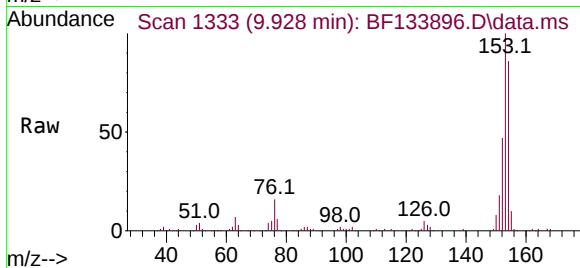
#52
Acenaphthene
Concen: 4.610 ng
RT: 9.928 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133896.D
Acq: 22 Jun 2023 12:19

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COMPOSIT-TW-01DL

Tgt Ion:154 Resp: 5179
Ion Ratio Lower Upper
154 100
153 115.9 89.8 134.8
152 54.6 43.4 65.2

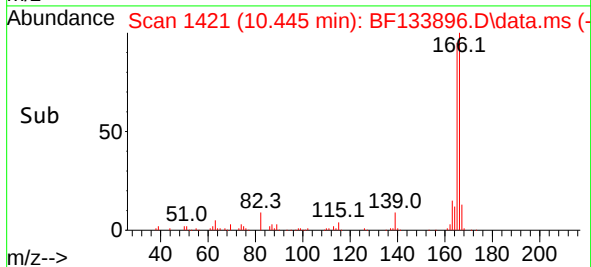
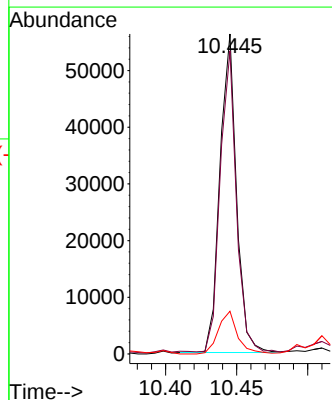
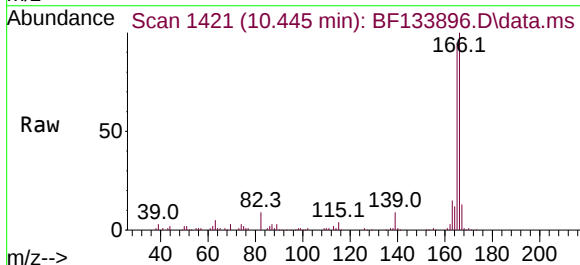
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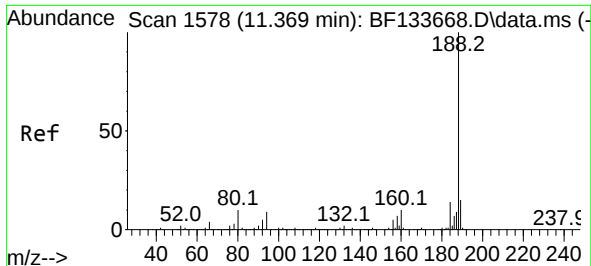
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#58
Fluorene
Concen: 3.467 ng
RT: 10.445 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF133896.D
Acq: 22 Jun 2023 12:19

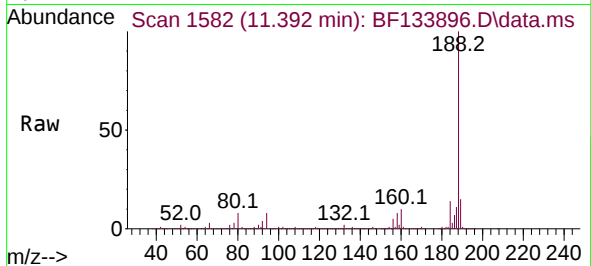
Tgt Ion:166 Resp: 45452
Ion Ratio Lower Upper
166 100
165 94.7 73.1 109.7
167 13.4 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11392
Delta R.T. 0.006 min
Lab File: BF133896.D
Acq: 22 Jun 2023 12:19

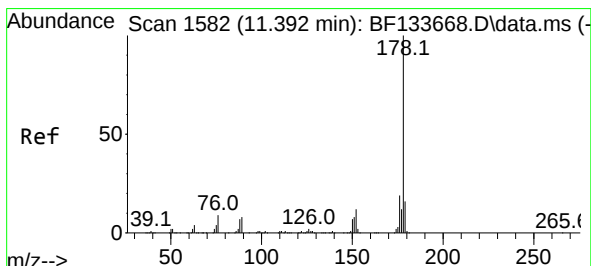
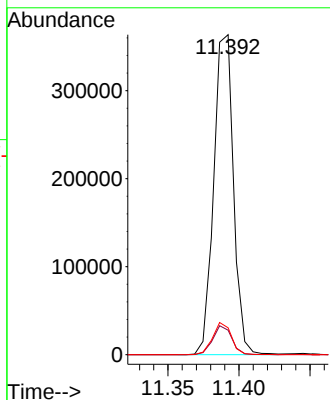
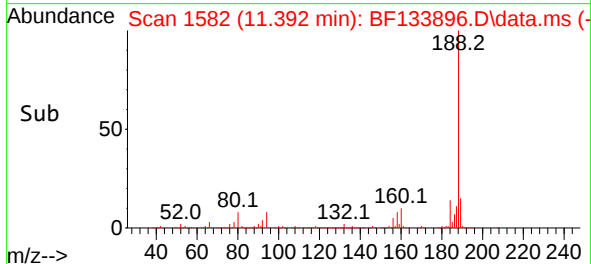
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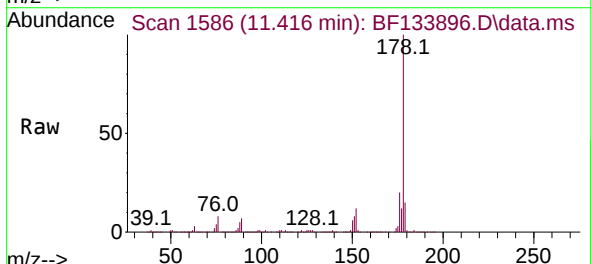
Tgt Ion:188 Resp: 350692
Ion Ratio Lower Upper
188 100
94 7.6 6.8 10.2
80 8.4 7.8 11.6

Manual Integrations
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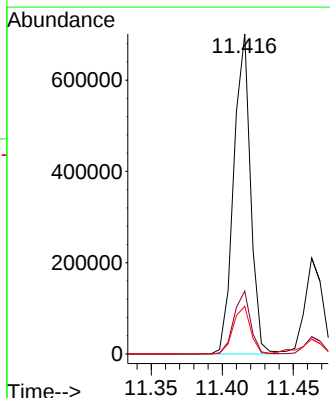
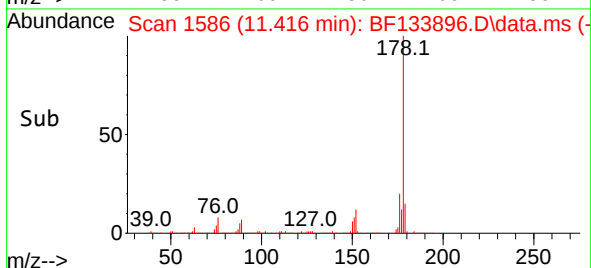
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023

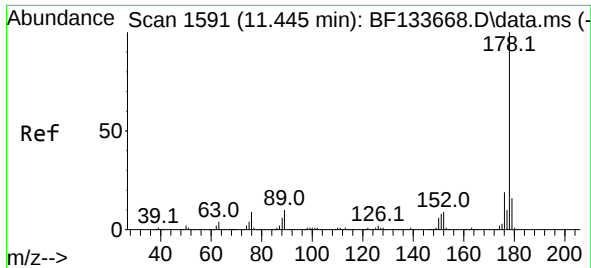


#71
Phenanthrene
Concen: 32.602 ng
RT: 11.416 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF133896.D
Acq: 22 Jun 2023 12:19



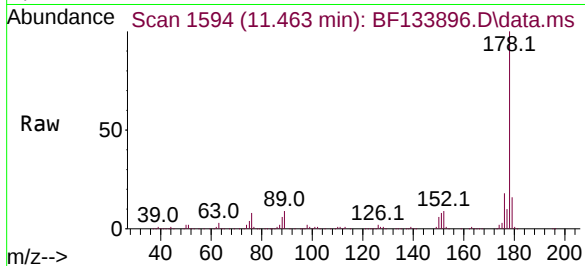
Tgt Ion:178 Resp: 580065
Ion Ratio Lower Upper
178 100
176 19.7 15.6 23.4
179 14.9 12.4 18.6





#72
 Anthracene
 Concen: 9.513 ng
 RT: 11.463 min Scan# 1594
 Delta R.T. -0.006 min
 Lab File: BF133896.D
 Acq: 22 Jun 2023 12:19

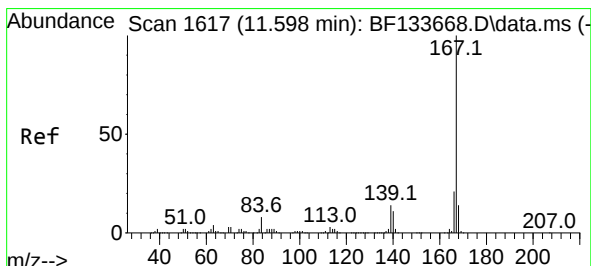
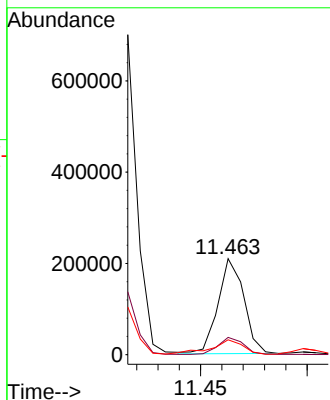
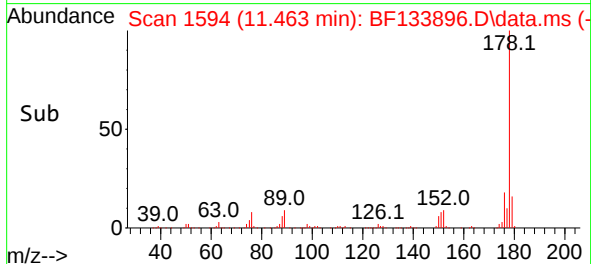
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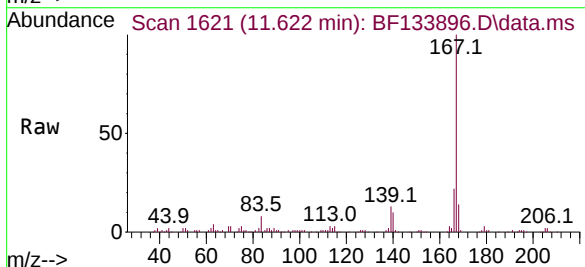
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 Ion Ratio Lower Upper
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 176 18.0 15.1 22.7
 179 15.5 12.6 18.8

Manual Integrations
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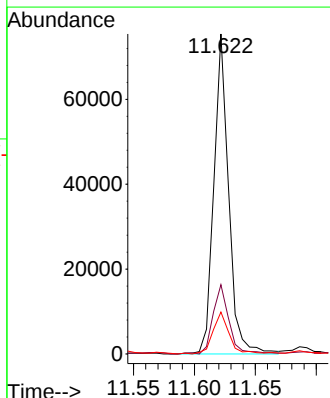
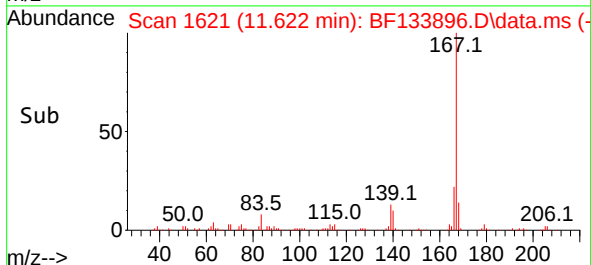
Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023

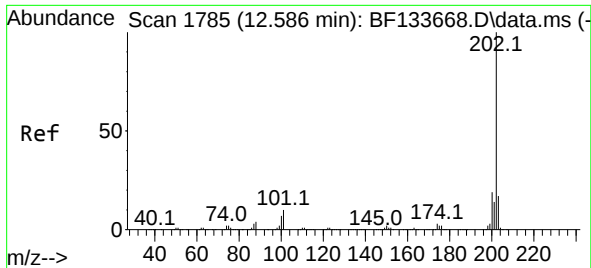


#73
 Carbazole
 Concen: 3.688 ng
 RT: 11.622 min Scan# 1621
 Delta R.T. 0.000 min
 Lab File: BF133896.D
 Acq: 22 Jun 2023 12:19



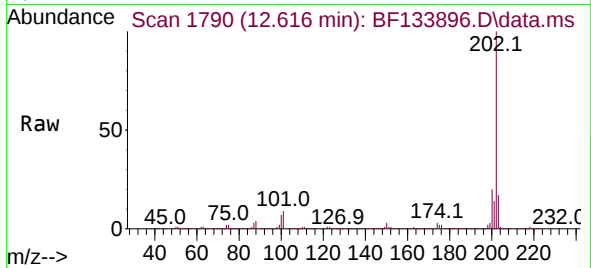
Tgt Ion:167 Resp: 63722
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.0 25.6
 139 13.1 11.2 16.8





#75
Fluoranthene
Concen: 52.762 ng
RT: 12.616 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF133896.D
Acq: 22 Jun 2023 12:19

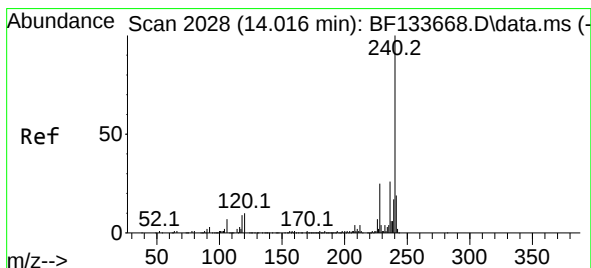
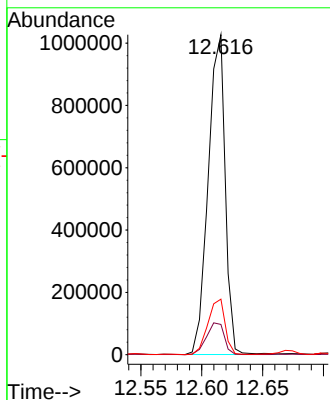
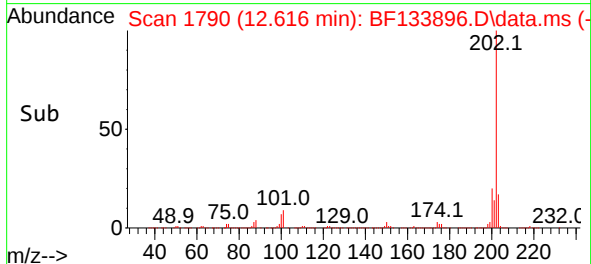
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TW-01DL



Tgt Ion:202 Resp: 996890
Ion Ratio Lower Upper
202 100
101 9.5 0.0 29.6
203 17.4 0.0 37.4

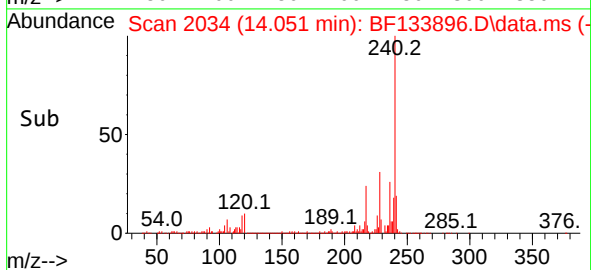
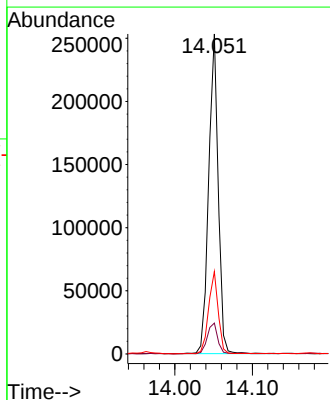
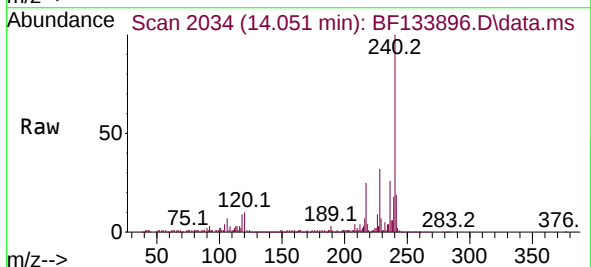
Manual Integrations
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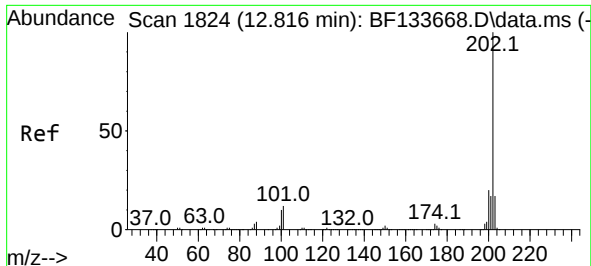
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF133896.D
Acq: 22 Jun 2023 12:19

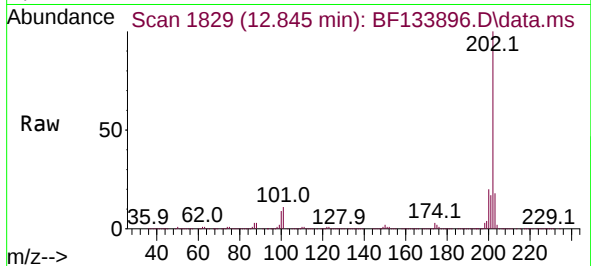
Tgt Ion:240 Resp: 215238
Ion Ratio Lower Upper
240 100
120 9.6 8.1 12.1
236 25.8 20.5 30.7





#78
Pyrene
Concen: 44.317 ng
RT: 12.845 min Scan# 1824
Delta R.T. 0.006 min
Lab File: BF133896.D
Acq: 22 Jun 2023 12:19

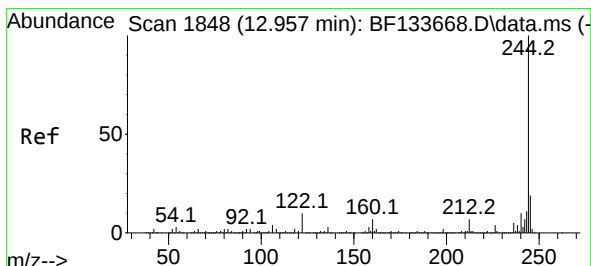
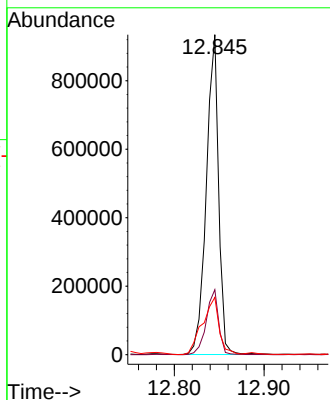
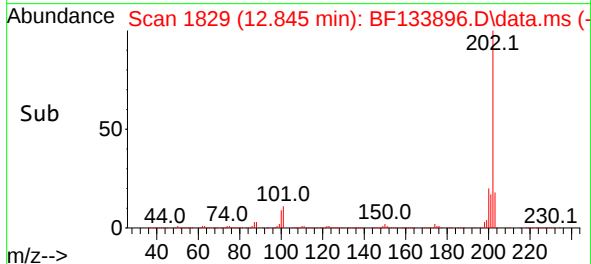
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TW-01DL



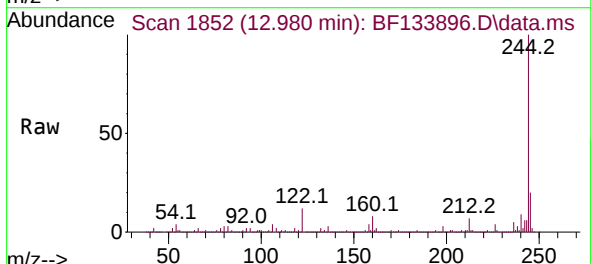
Tgt Ion:202 Resp: 88856
Ion Ratio Lower Upper
202 100
200 20.3 16.2 24.2
203 17.9 13.9 20.9

Manual Integrations
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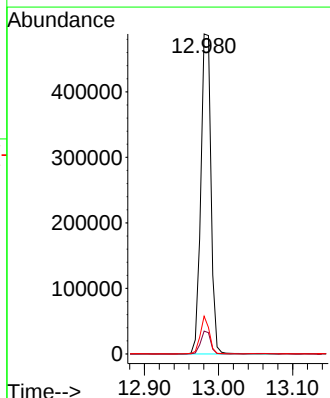
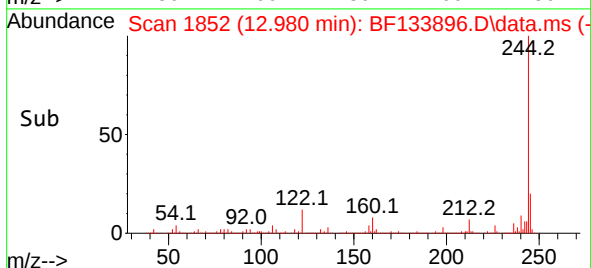
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023

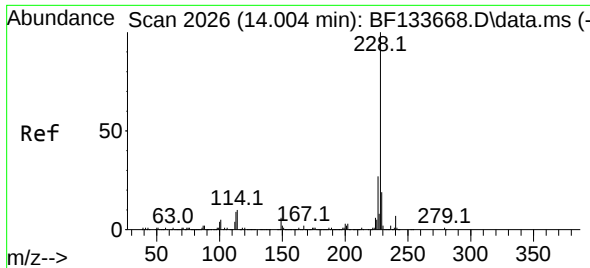


#79
Terphenyl-d14
Concen: 33.312 ng
RT: 12.980 min Scan# 1852
Delta R.T. -0.006 min
Lab File: BF133896.D
Acq: 22 Jun 2023 12:19



Tgt Ion:244 Resp: 463373
Ion Ratio Lower Upper
244 100
212 7.1 5.4 8.2
122 11.8 8.1 12.1





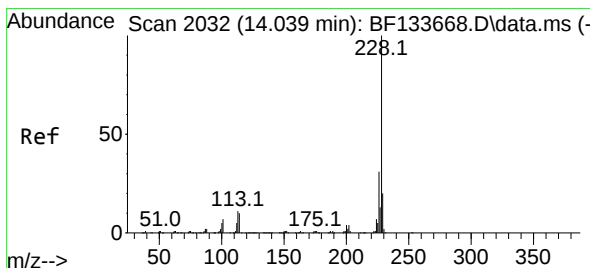
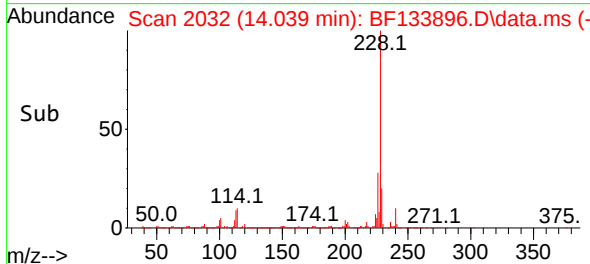
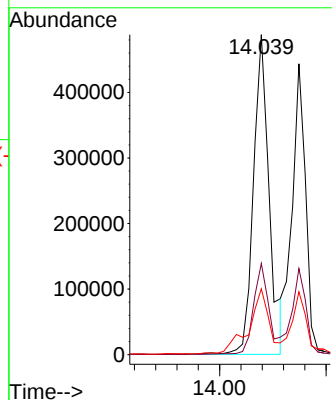
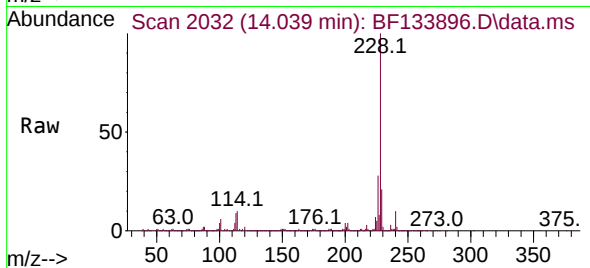
#81
Benzo(a)anthracene
Concen: 33.410 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.006 min
Lab File: BF133896.D
Acq: 22 Jun 2023 12:19

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TW-01DL

Tgt Ion:228 Resp: 497418
Ion Ratio Lower Upper
228 100
226 28.5 21.7 32.5
229 20.6 15.4 23.2

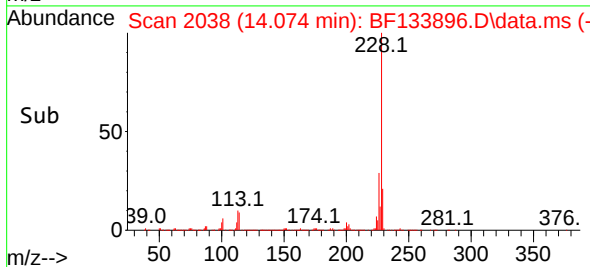
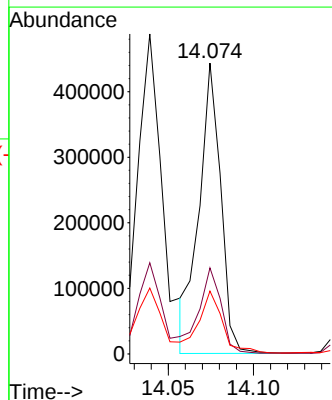
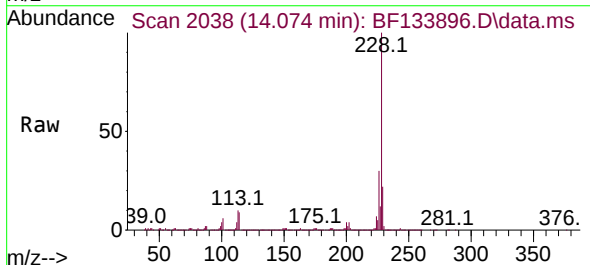
Manual Integrations
APPROVED

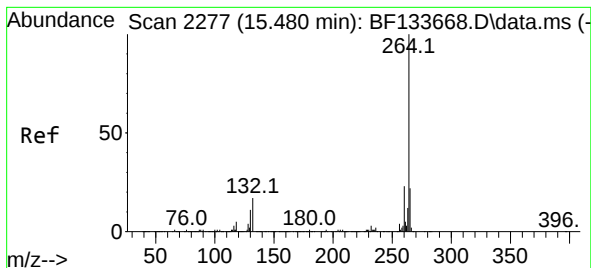
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#83
Chrysene
Concen: 27.836 ng
RT: 14.074 min Scan# 2038
Delta R.T. 0.000 min
Lab File: BF133896.D
Acq: 22 Jun 2023 12:19

Tgt Ion:228 Resp: 391977
Ion Ratio Lower Upper
228 100
226 29.6 25.0 37.6
229 21.6 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.563 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF133896.D

Acq: 22 Jun 2023 12:19

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-TW-01DL

Tgt Ion:264 Resp: 251204

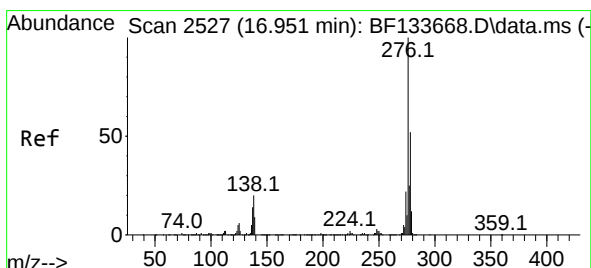
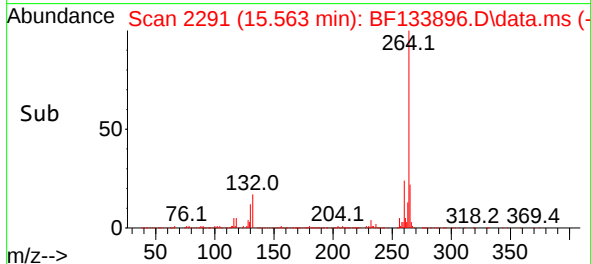
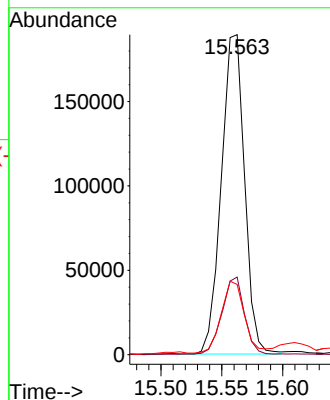
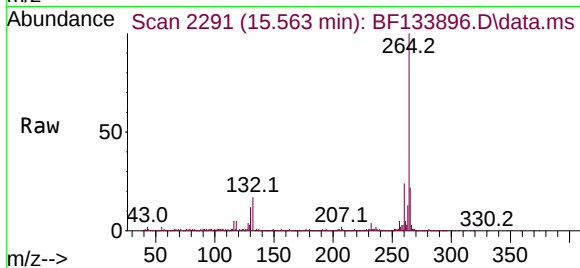
Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.2	27.2
265	21.9	17.8	26.6

Manual Integrations

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Reviewed By :Yogesh Patel 06/23/2023

Supervised By :mohammad ahmed 06/23/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 14.448 ng

RT: 17.104 min Scan# 2553

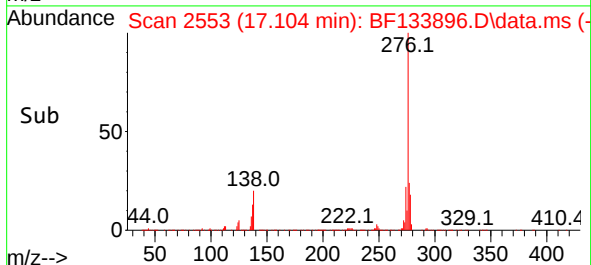
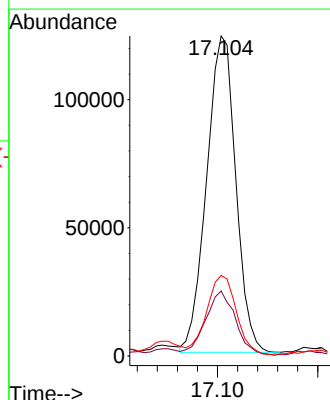
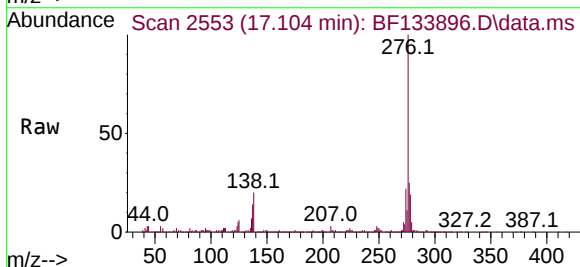
Delta R.T. 0.006 min

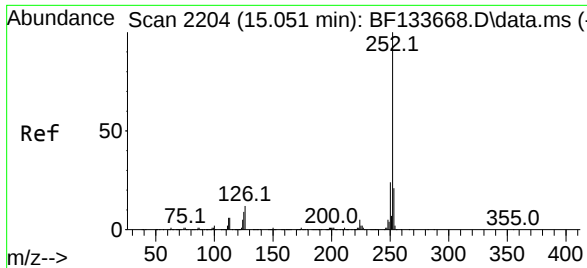
Lab File: BF133896.D

Acq: 22 Jun 2023 12:19

Tgt Ion:276 Resp: 249696

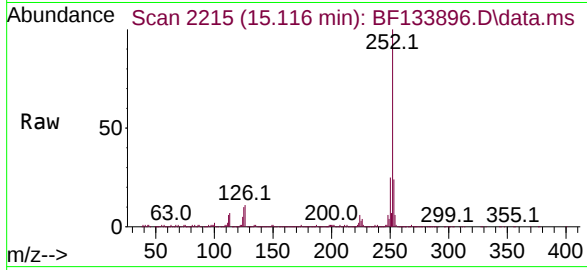
Ion	Ratio	Lower	Upper
276	100		
138	21.1	17.9	26.9
277	25.3	20.3	30.5





#88
Benzo(b)fluoranthene
Concen: 37.651 ng m
RT: 15.116 min Scan# 2215
Delta R.T. 0.012 min
Lab File: BF133896.D
Acq: 22 Jun 2023 12:19

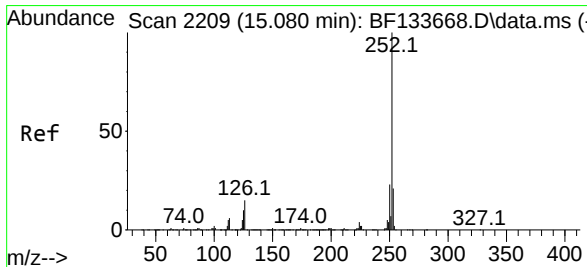
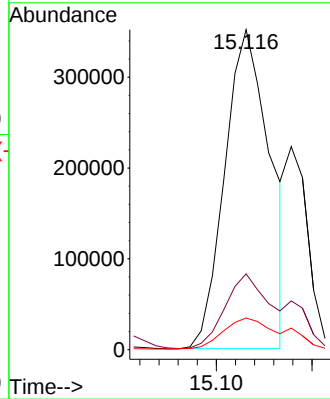
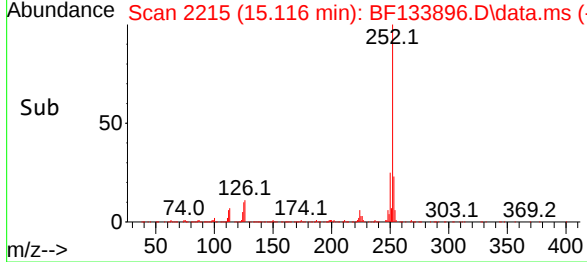
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TW-01DL



Tgt Ion:252 Resp: 57454
Ion Ratio Lower Upper
252 100
253 23.7 17.0 25.6
125 9.9 7.3 10.9

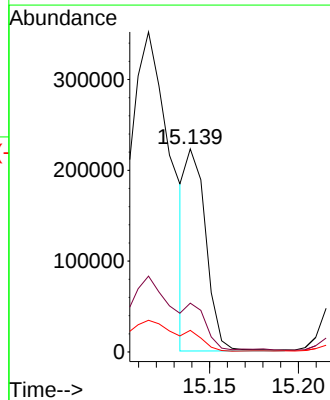
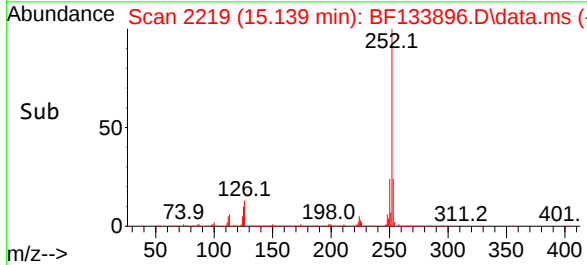
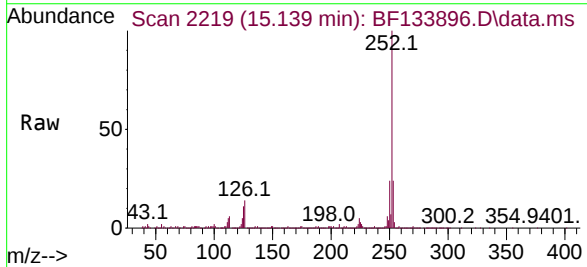
Manual Integrations
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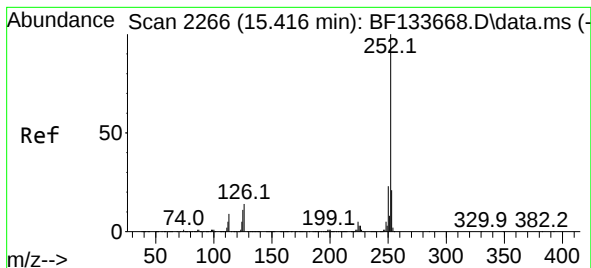
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#89
Benzo(k)fluoranthene
Concen: 11.739 ng m
RT: 15.139 min Scan# 2219
Delta R.T. 0.006 min
Lab File: BF133896.D
Acq: 22 Jun 2023 12:19

Tgt Ion:252 Resp: 174491
Ion Ratio Lower Upper
252 100
253 24.1 17.0 25.4
125 10.7 7.8 11.6





#90

Benzo(a)pyrene

Concen: 30.127 ng

RT: 15.498 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF133896.D

Acq: 22 Jun 2023 12:19

Instrument :

BNA_F

ClientSampleId :

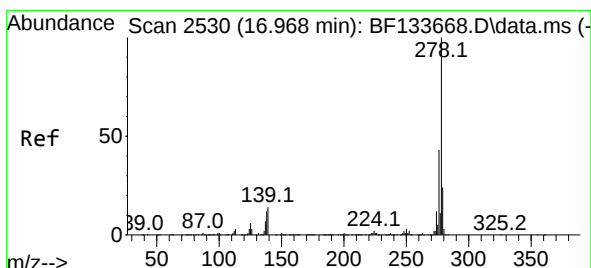
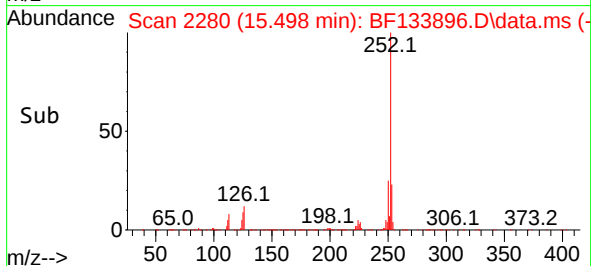
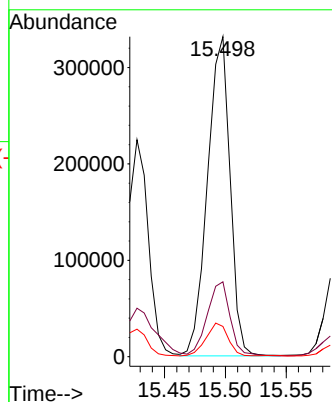
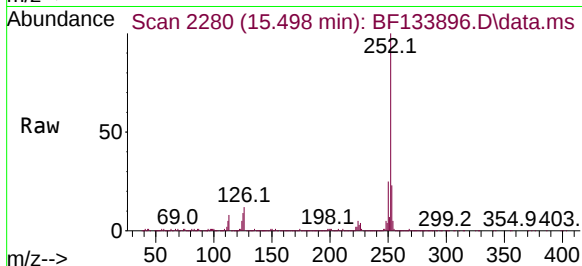
COMPOSIT-TW-01DL

Tgt Ion:252 Resp: 426664
 Ion Ratio Lower Upper
 252 100
 253 23.4 17.1 25.7
 125 9.4 8.6 13.0

Manual Integrations

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Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023



#91

Dibenzo(a,h)anthracene

Concen: 4.387 ng

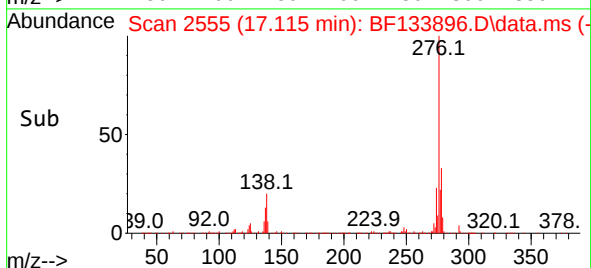
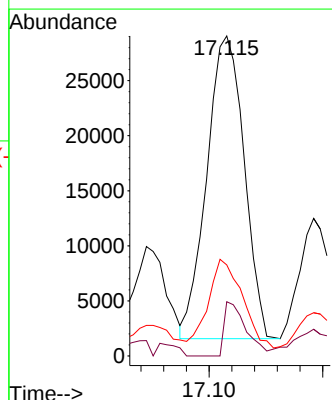
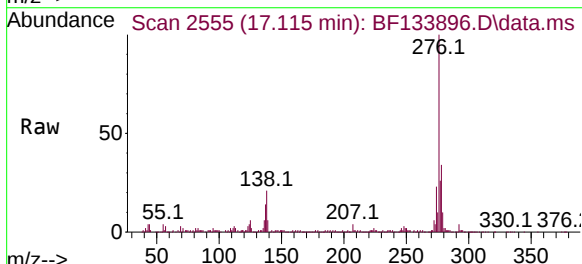
RT: 17.115 min Scan# 2555

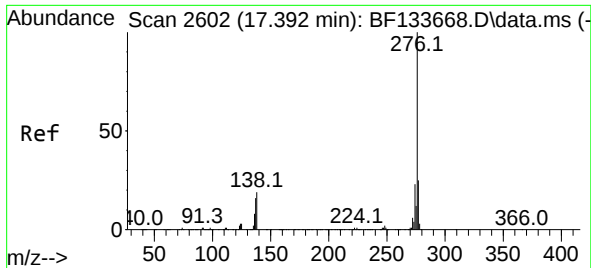
Delta R.T. -0.006 min

Lab File: BF133896.D

Acq: 22 Jun 2023 12:19

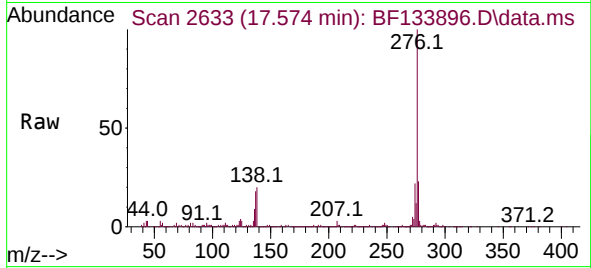
Tgt Ion:278 Resp: 62774
 Ion Ratio Lower Upper
 278 100
 139 17.0 11.4 17.2
 279 28.4 19.0 28.4





#92
 Benzo(g,h,i)perylene
 Concen: 16.841 ng
 RT: 17.574 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: BF133896.D
 Acq: 22 Jun 2023 12:19

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-TW-01DL



Tgt Ion:276 Resp: 238900
 Ion Ratio Lower Upper
 276 100
 277 23.3 19.8 29.8
 138 20.3 15.0 22.4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023

