

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062023\
 Data File : BF133856.D
 Acq On : 20 Jun 2023 15:02
 Operator : CG\JU
 Sample : 03223-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-04

Manual Integrations
 APPROVED

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

Quant Time: Jun 21 00:12:19 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	105988	20.000	ng	0.00
21) Naphthalene-d8	8.133	136	375538	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	157713	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	231546	20.000	ng	0.00
76) Chrysene-d12	14.045	240	228660	20.000	ng	0.00
86) Perylene-d12	15.557	264	149864	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	285199	46.845	ng	0.00
7) Phenol-d6	6.492	99	336973	42.522	ng	0.00
23) Nitrobenzene-d5	7.416	82	227551	33.003	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	67385	33.754	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	401727	36.209	ng	0.00
79) Terphenyl-d14	12.980	244	408461	27.641	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.410	178	116289	9.899	ng	99
72) Anthracene	11.463	178	31902	2.604	ng	99
75) Fluoranthene	12.610	202	308637	24.740	ng	99
78) Pyrene	12.839	202	286579	13.454	ng	99
81) Benzo(a)anthracene	14.039	228	171157	10.821	ng	95
83) Chrysene	14.074	228	159430	10.657	ng	97
87) Indeno(1,2,3-cd)pyrene	17.098	276	60777	5.895	ng	99
88) Benzo(b)fluoranthene	15.110	252	177568m	19.505	ng	
89) Benzo(k)fluoranthene	15.133	252	54525m	6.149	ng	
90) Benzo(a)pyrene	15.486	252	96707	11.446	ng	94
92) Benzo(g,h,i)perylene	17.568	276	57293	6.770	ng	96

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

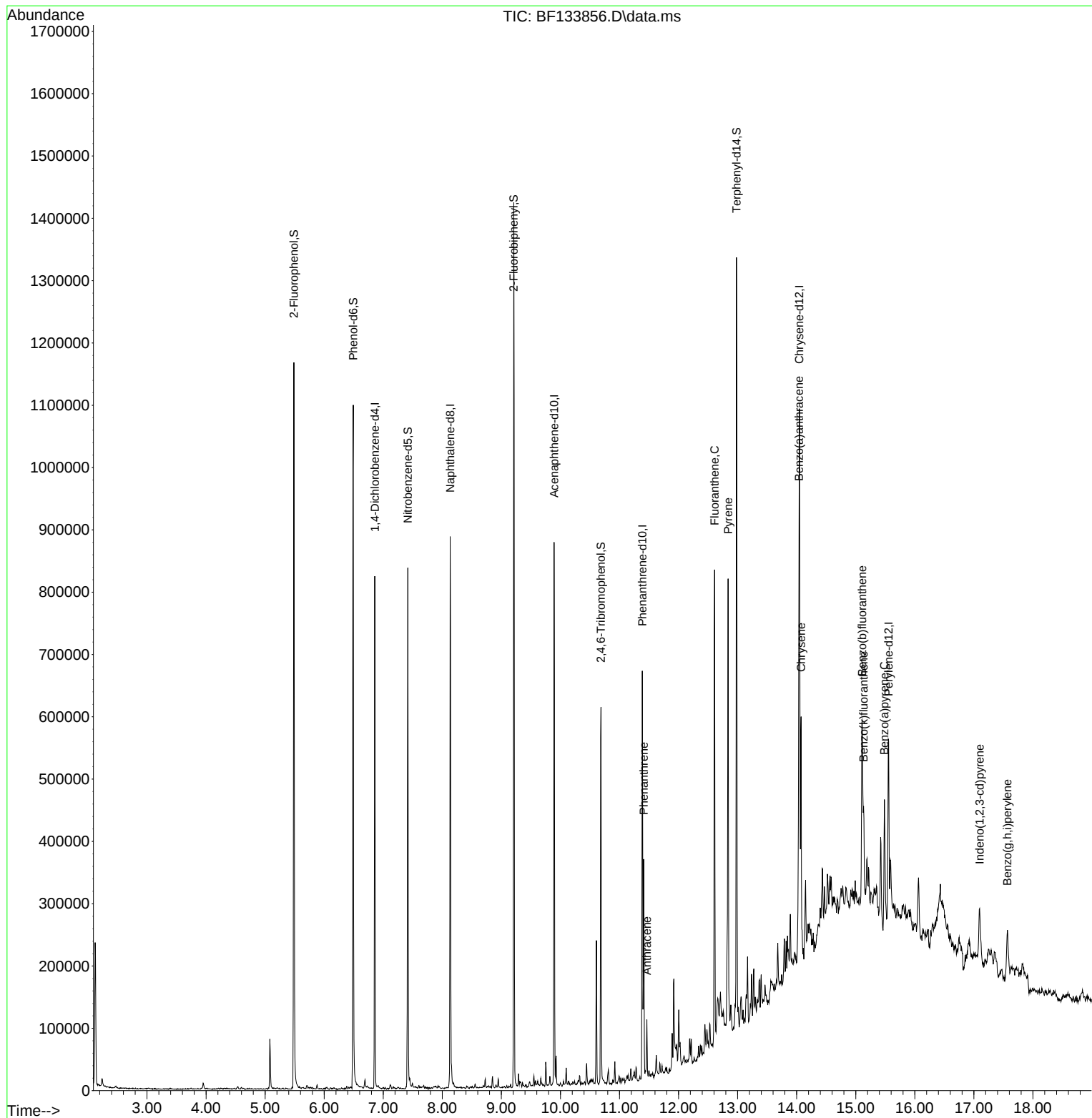
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062023\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 20 13:43:46 2023
Response via : Initial Calibration

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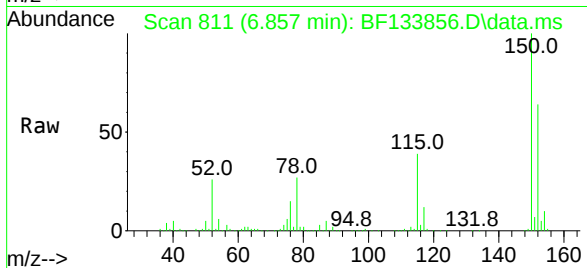
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF133856.D
Acq: 20 Jun 2023 15:02

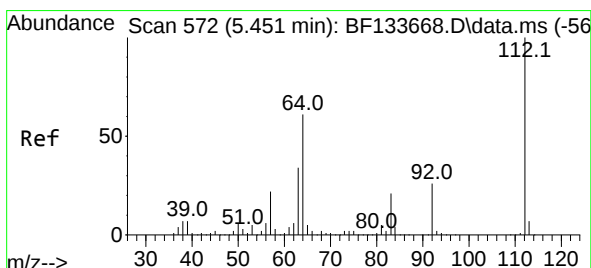
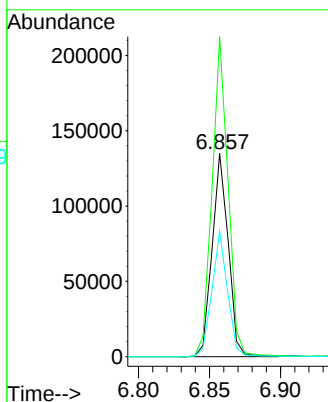
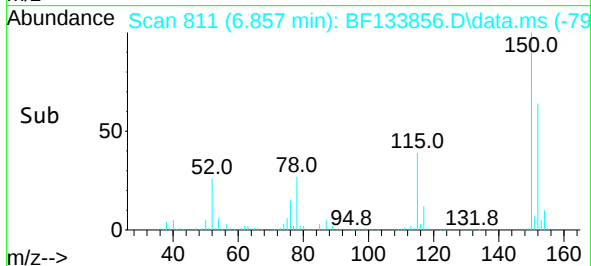
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-04



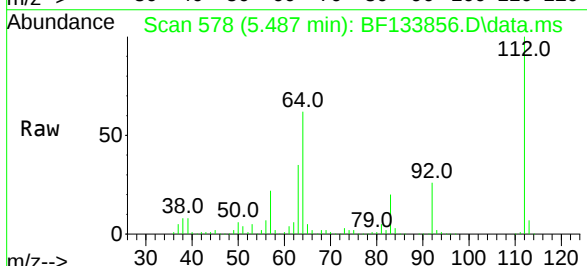
Tgt Ion:152 Resp: 10598
Ion Ratio Lower Upper
152 100
150 157.4 124.3 186.5
115 61.8 48.5 72.7

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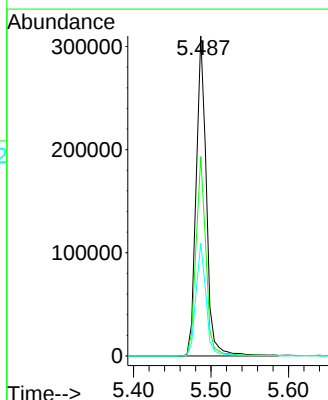
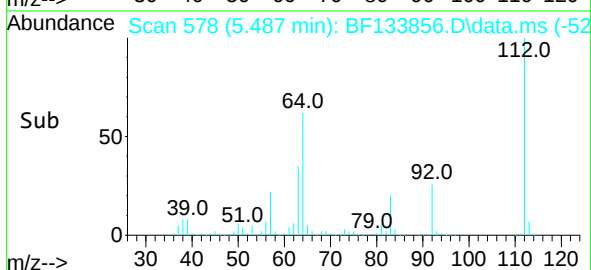
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023



#5
2-Fluorophenol
Concen: 46.845 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF133856.D
Acq: 20 Jun 2023 15:02



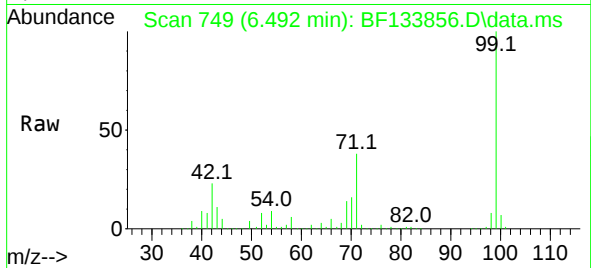
Tgt Ion:112 Resp: 285199
Ion Ratio Lower Upper
112 100
64 62.3 49.0 73.4
63 35.3 26.8 40.2





#7
Phenol-d6
Concen: 42.522 ng
RT: 6.492 min Scan# 745
Delta R.T. 0.000 min
Lab File: BF133856.D
Acq: 20 Jun 2023 15:02

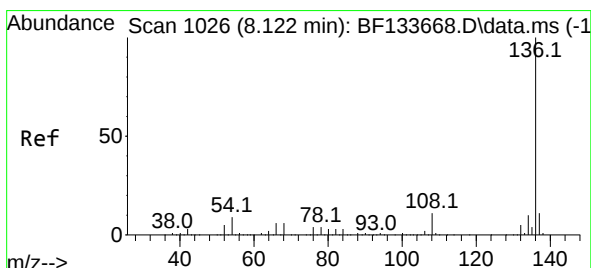
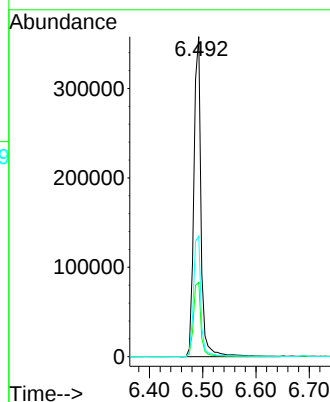
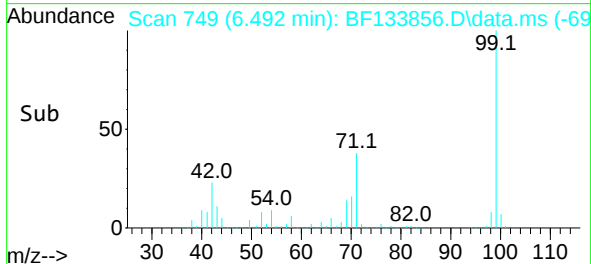
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-04



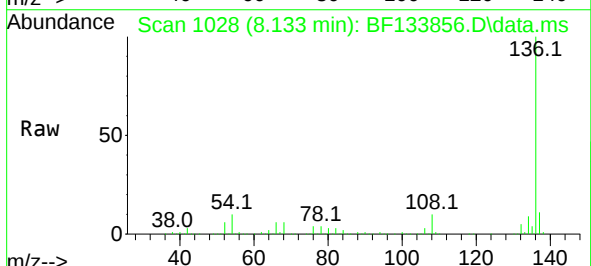
Tgt Ion: 99 Resp: 33697
Ion Ratio Lower Upper
99 100
42 23.2 19.9 29.9
71 37.7 32.2 48.4

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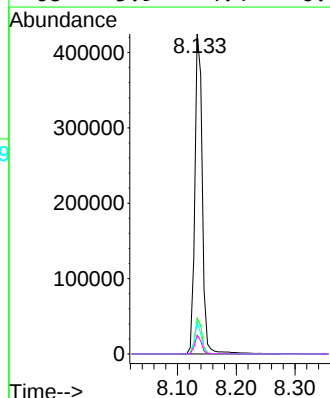
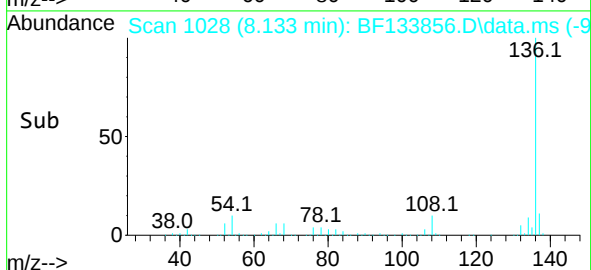
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.133 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF133856.D
Acq: 20 Jun 2023 15:02



Tgt Ion:136 Resp: 375538
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 9.9 7.4 11.0
68 5.9 4.4 6.6





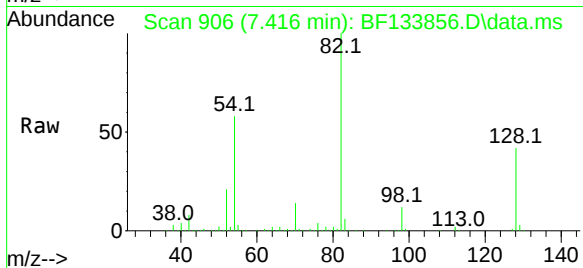
#23
Nitrobenzene-d5
Concen: 33.003 ng
RT: 7.416 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF133856.D
Acq: 20 Jun 2023 15:02

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-04

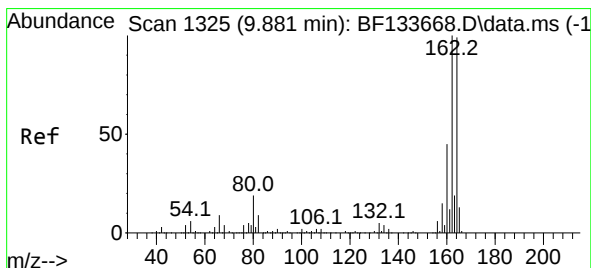
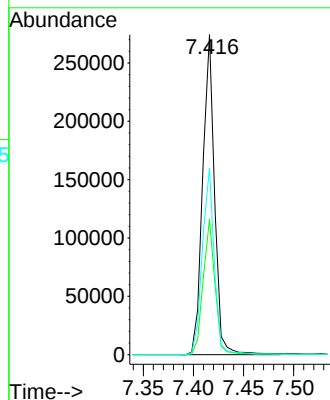
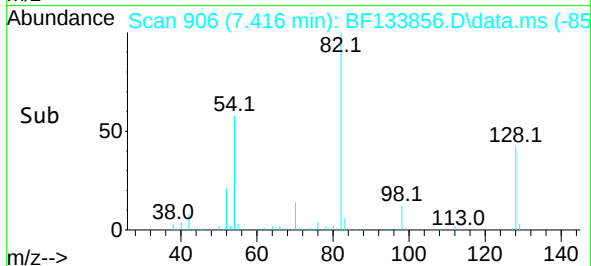


Tgt Ion: 82 Resp: 22755
Ion Ratio Lower Upper
82 100
128 42.2 34.2 51.2
54 58.3 46.5 69.7

Manual Integrations

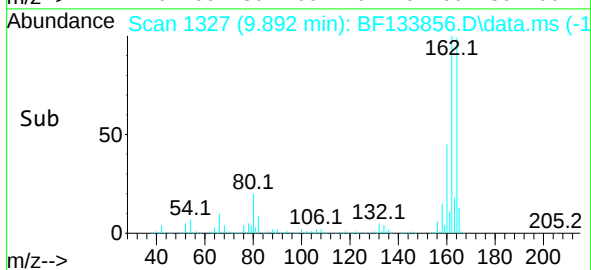
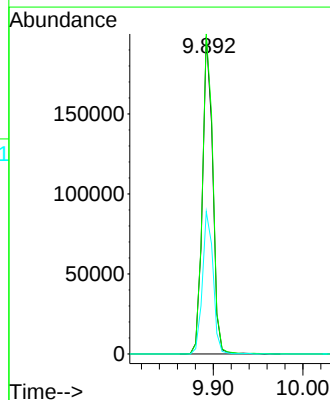
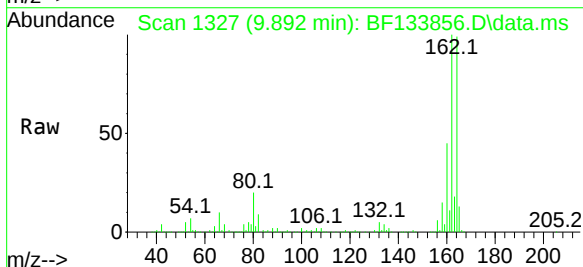
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Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF133856.D
Acq: 20 Jun 2023 15:02

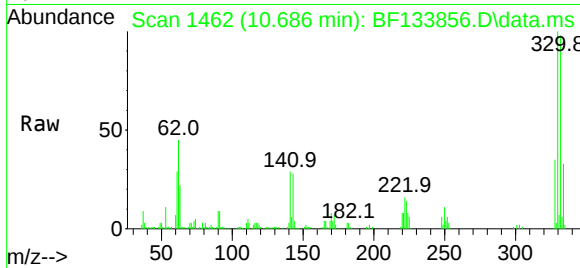
Tgt Ion:164 Resp: 157713
Ion Ratio Lower Upper
164 100
162 100.8 80.8 121.2
160 44.9 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 33.754 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF133856.D
Acq: 20 Jun 2023 15:02

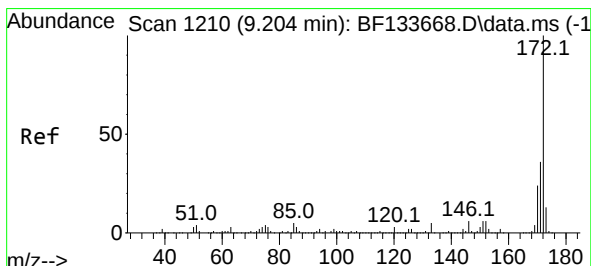
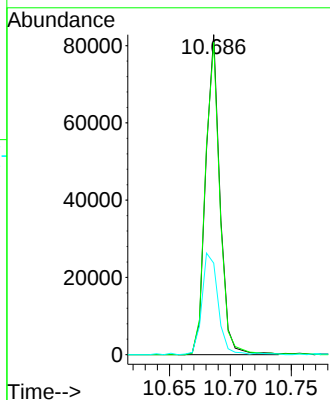
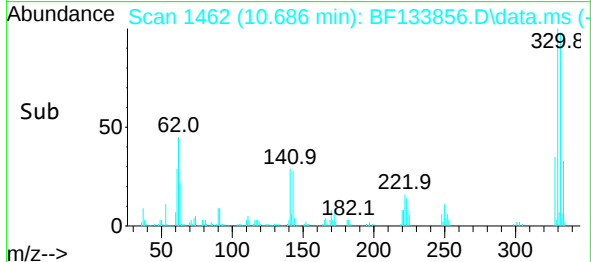
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-04



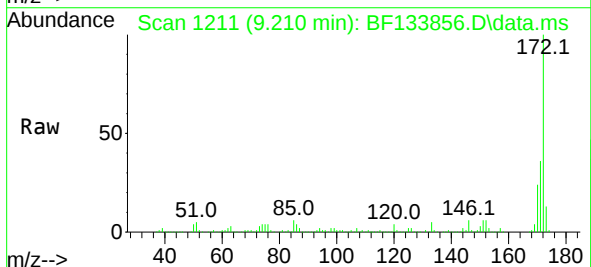
Tgt Ion: 330 Resp: 6738
Ion Ratio Lower Upper
330 100
332 99.7 77.2 115.8
141 35.8 24.9 37.3

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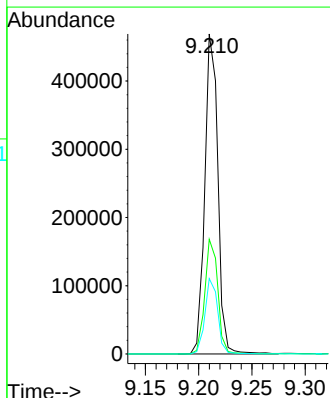
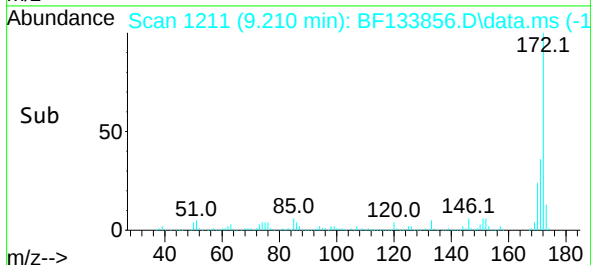
Reviewed By : Yogesh Patel 06/21/2023
Supervised By : mohammad ahmed 06/21/2023



#45
2-Fluorobiphenyl
Concen: 36.209 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF133856.D
Acq: 20 Jun 2023 15:02



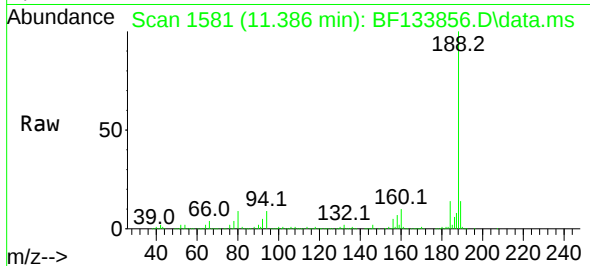
Tgt Ion: 172 Resp: 401727
Ion Ratio Lower Upper
172 100
171 35.8 28.6 43.0
170 23.5 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF133856.D
Acq: 20 Jun 2023 15:02

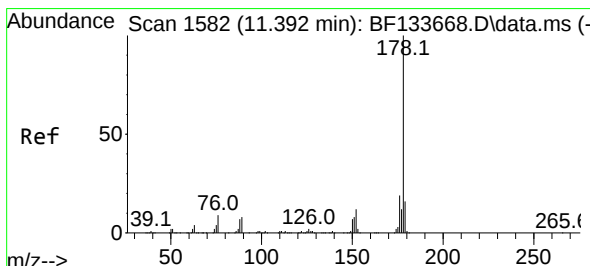
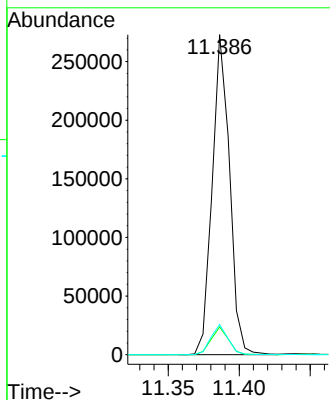
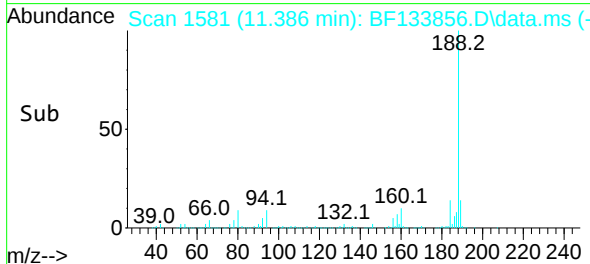
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-04



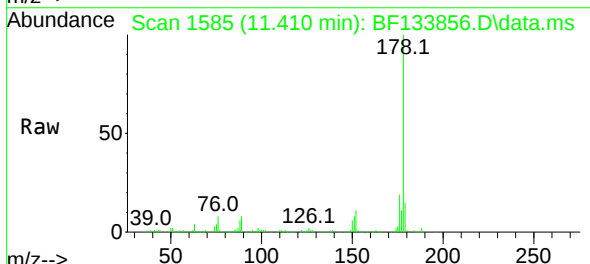
Tgt Ion:188 Resp: 231540
Ion Ratio Lower Upper
188 100
94 8.6 6.8 10.2
80 9.4 7.8 11.6

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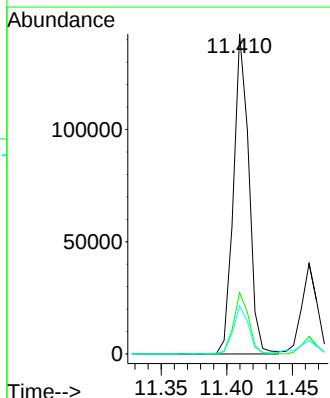
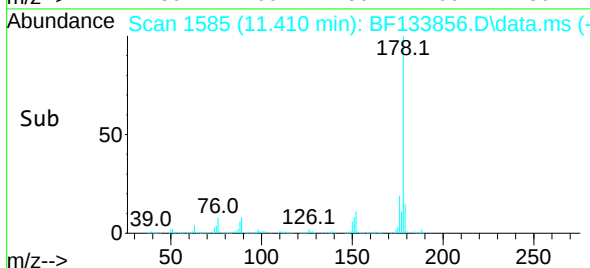
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023

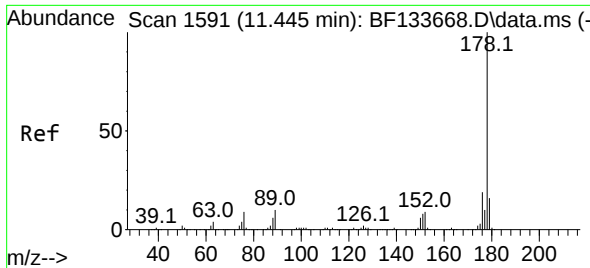


#71
Phenanthrene
Concen: 9.899 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF133856.D
Acq: 20 Jun 2023 15:02



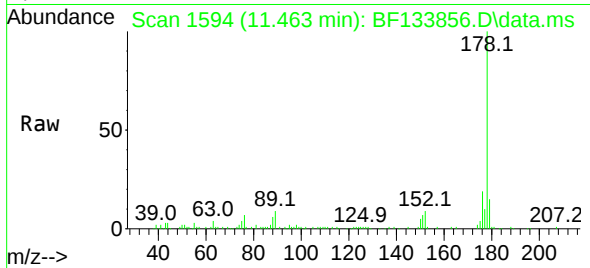
Tgt Ion:178 Resp: 116289
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 15.0 12.4 18.6





#72
 Anthracene
 Concen: 2.604 ng
 RT: 11.463 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF133856.D
 Acq: 20 Jun 2023 15:02

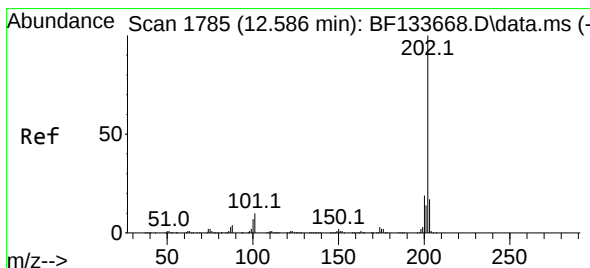
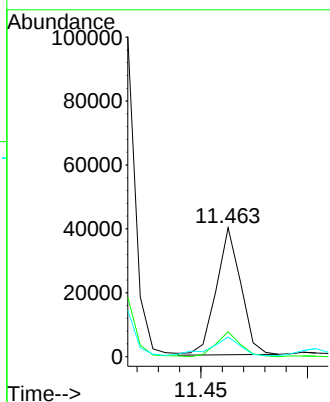
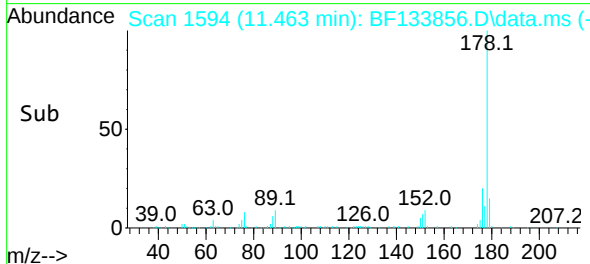
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-04



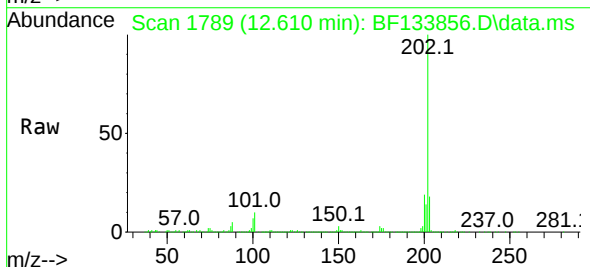
Tgt Ion:178 Resp: 3190
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.1 22.7
 179 15.3 12.6 18.8

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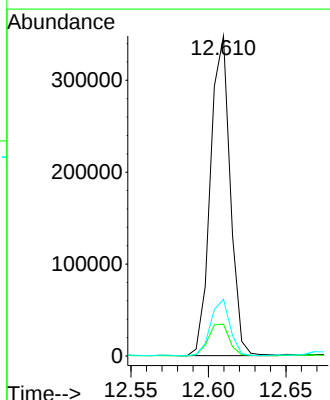
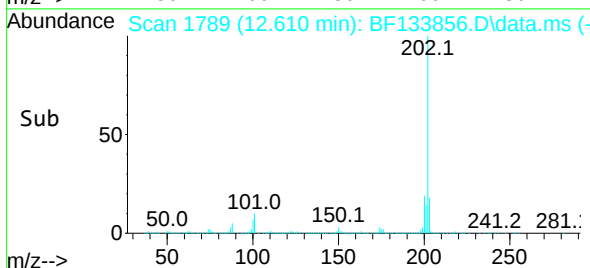
Reviewed By :Yogesh Patel 06/21/2023
 Supervised By :mohammad ahmed 06/21/2023

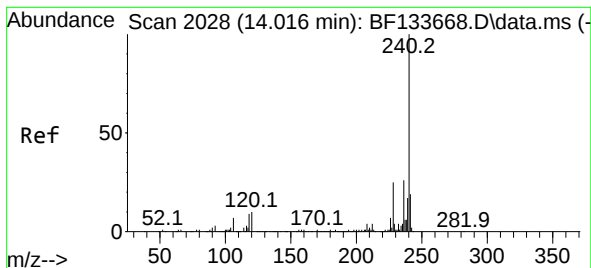


#75
 Fluoranthene
 Concen: 24.740 ng
 RT: 12.610 min Scan# 1789
 Delta R.T. 0.000 min
 Lab File: BF133856.D
 Acq: 20 Jun 2023 15:02



Tgt Ion:202 Resp: 308637
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 29.6
 203 17.6 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: BF133856.D

Acq: 20 Jun 2023 15:02

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-04

Tgt Ion:240 Resp: 228660

Ion Ratio Lower Upper

240 100

120 11.9 8.1 12.1

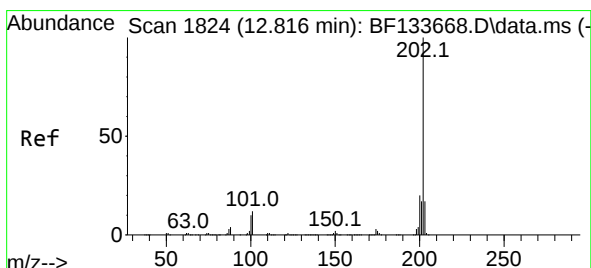
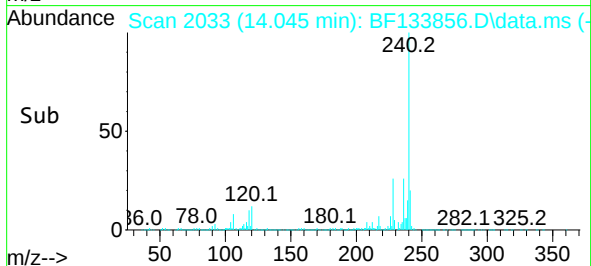
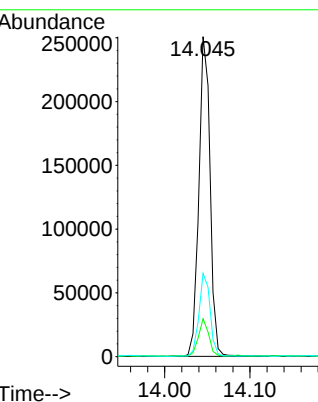
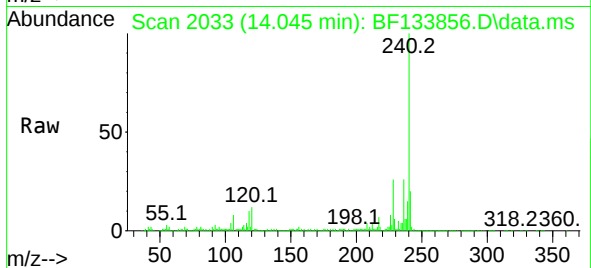
236 26.0 20.5 30.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/21/2023

Supervised By :mohammad ahmed 06/21/2023



#78

Pyrene

Concen: 13.454 ng

RT: 12.839 min Scan# 1828

Delta R.T. 0.000 min

Lab File: BF133856.D

Acq: 20 Jun 2023 15:02

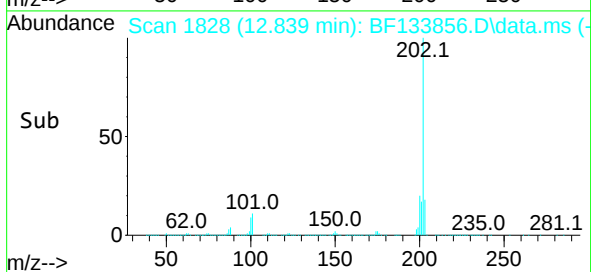
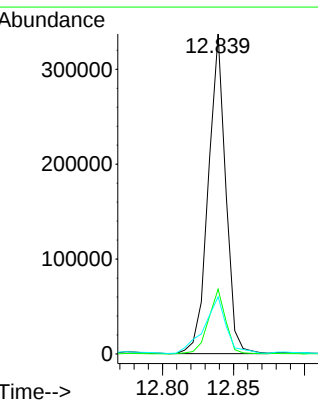
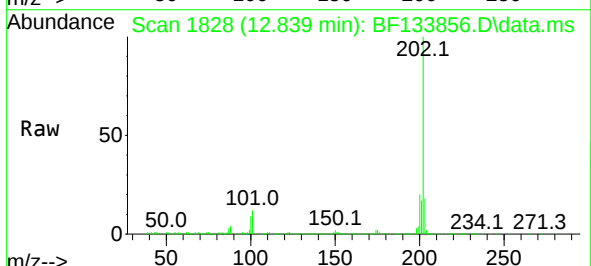
Tgt Ion:202 Resp: 286579

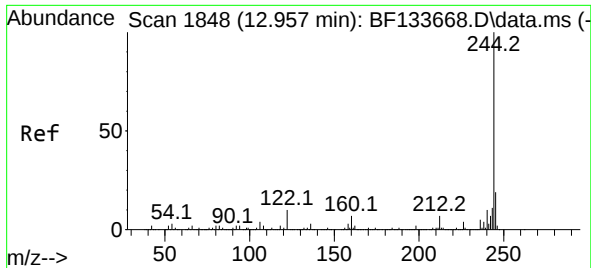
Ion Ratio Lower Upper

202 100

200 20.3 16.2 24.2

203 17.8 13.9 20.9





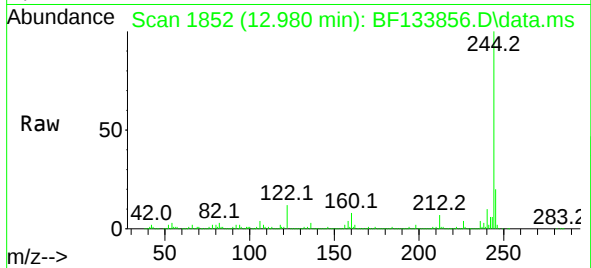
#79
 Terphenyl-d14
 Concen: 27.641 ng
 RT: 12.980 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF133856.D
 Acq: 20 Jun 2023 15:02

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-04

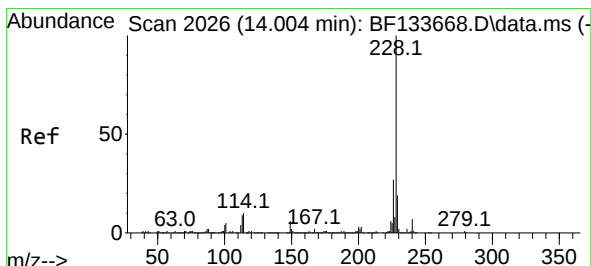
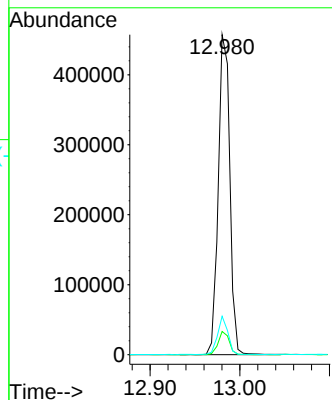
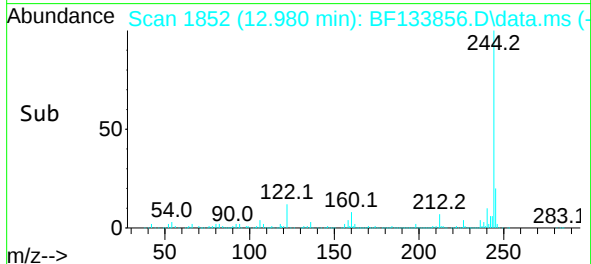


Tgt Ion:244 Resp: 40846
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.4 8.2
 122 12.0 8.1 12.1

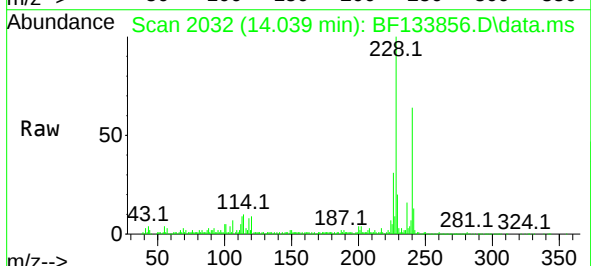
Manual Integrations

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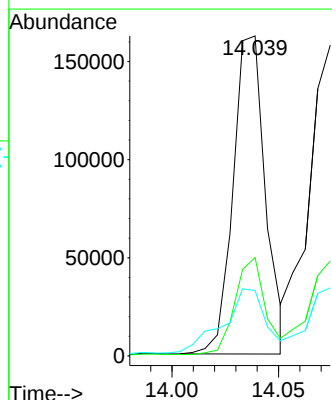
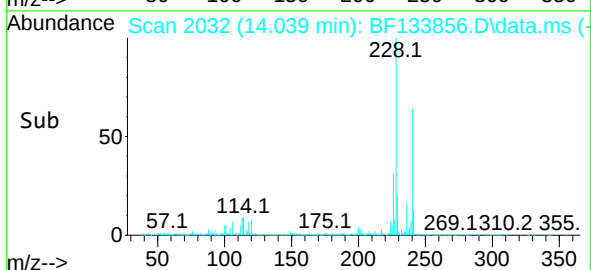
Reviewed By :Yogesh Patel 06/21/2023
 Supervised By :mohammad ahmed 06/21/2023

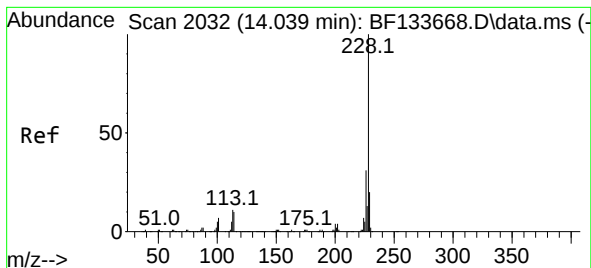


#81
 Benzo(a)anthracene
 Concen: 10.821 ng
 RT: 14.039 min Scan# 2032
 Delta R.T. 0.006 min
 Lab File: BF133856.D
 Acq: 20 Jun 2023 15:02



Tgt Ion:228 Resp: 171157
 Ion Ratio Lower Upper
 228 100
 226 30.7 21.7 32.5
 229 20.4 15.4 23.2





#83

Chrysene

Concen: 10.657 ng

RT: 14.074 min Scan# 2032

Delta R.T. 0.000 min

Lab File: BF133856.D

Acq: 20 Jun 2023 15:02

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-04

Tgt Ion:228 Resp: 159430

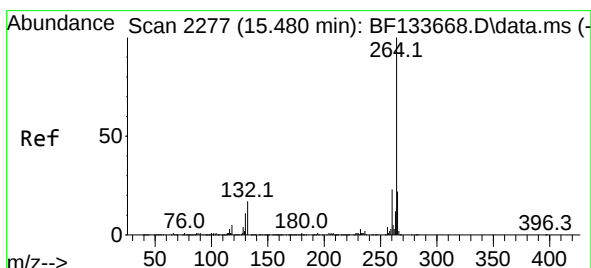
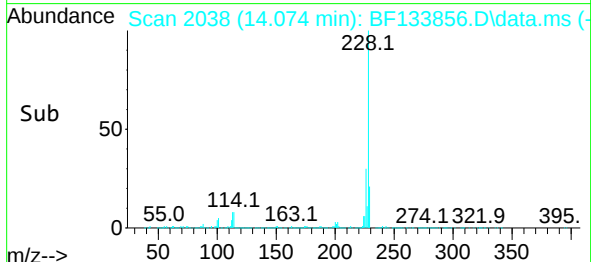
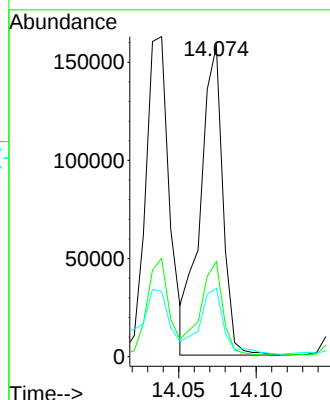
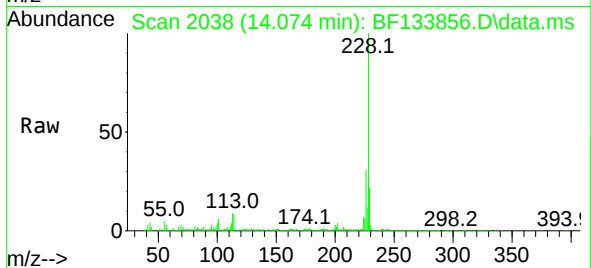
Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	21.9	15.8	23.8

Manual Integrations

APPROVED

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

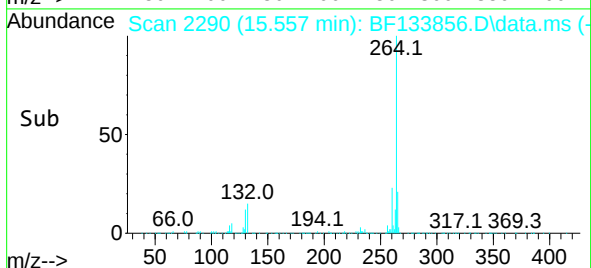
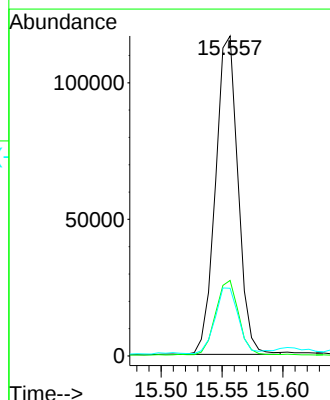
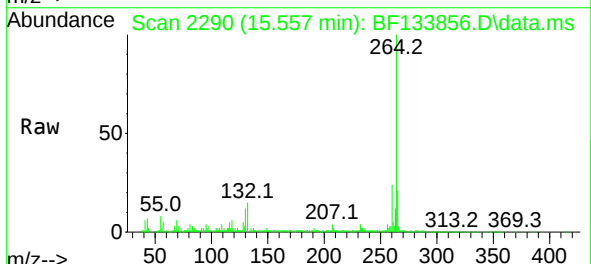
Delta R.T. 0.006 min

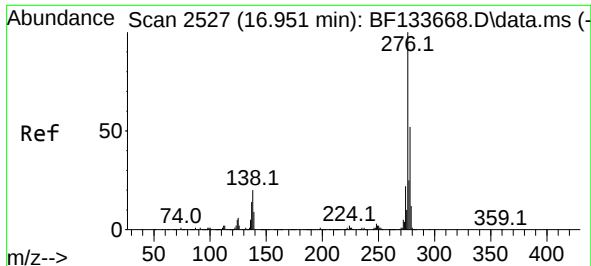
Lab File: BF133856.D

Acq: 20 Jun 2023 15:02

Tgt Ion:264 Resp: 149864

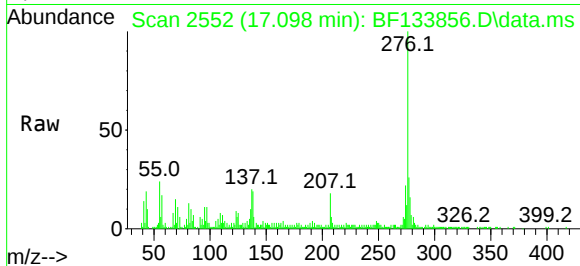
Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.2	27.2
265	21.1	17.8	26.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 5.895 ng
RT: 17.098 min Scan# 211
Delta R.T. 0.000 min
Lab File: BF133856.D
Acq: 20 Jun 2023 15:02

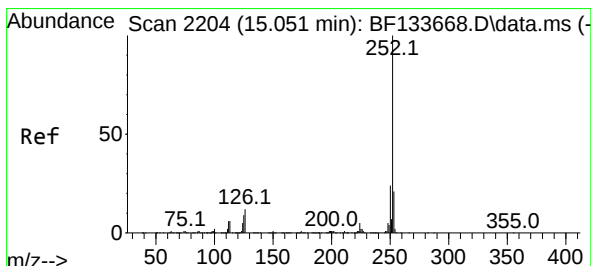
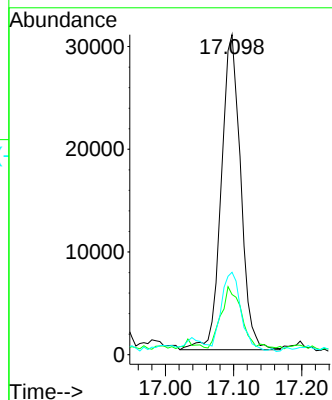
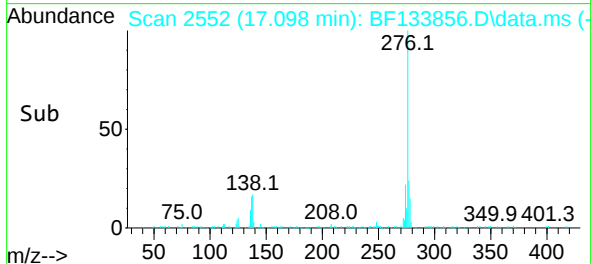
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-04



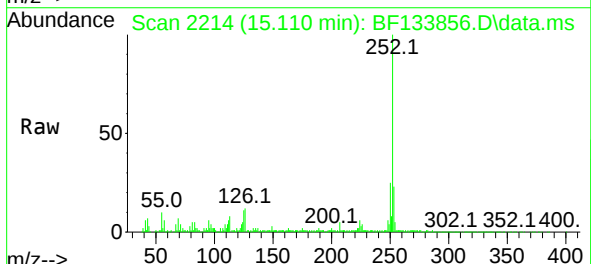
Tgt Ion:276 Resp: 6077
Ion Ratio Lower Upper
276 100
138 21.8 17.9 26.9
277 26.1 20.3 30.5

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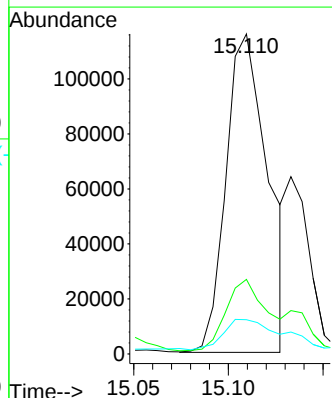
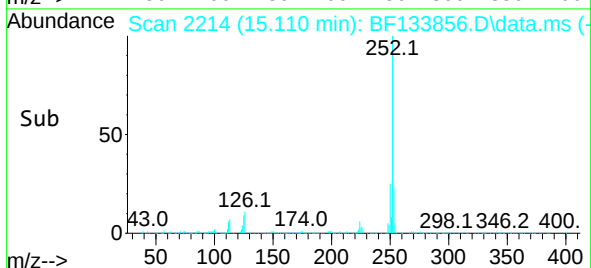
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023

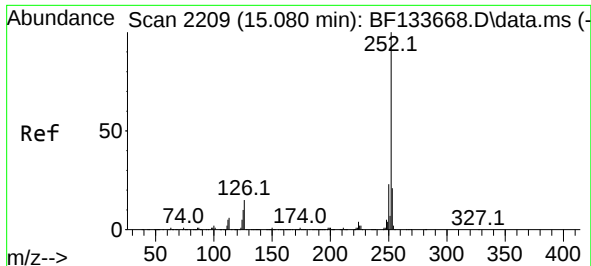


#88
Benzo(b)fluoranthene
Concen: 19.505 ng m
RT: 15.110 min Scan# 2214
Delta R.T. 0.006 min
Lab File: BF133856.D
Acq: 20 Jun 2023 15:02



Tgt Ion:252 Resp: 177568
Ion Ratio Lower Upper
252 100
253 23.3 17.0 25.6
125 10.7 7.3 10.9





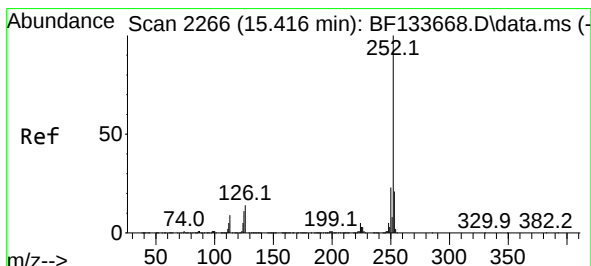
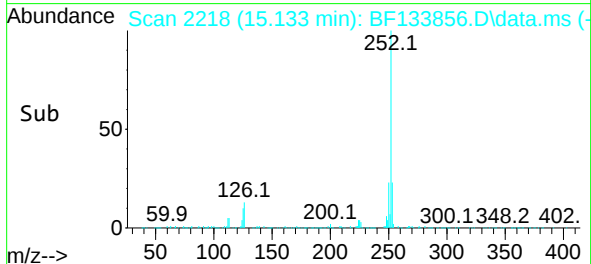
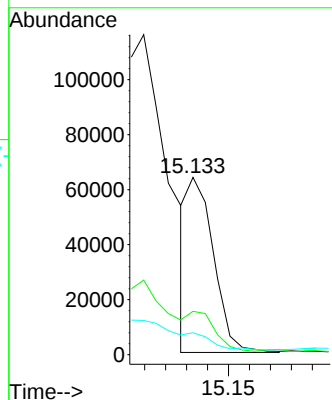
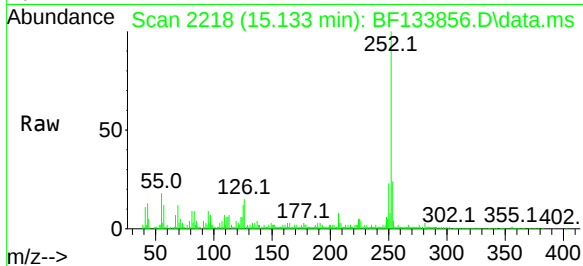
#89
Benzo(k)fluoranthene
Concen: 6.149 ng m
RT: 15.133 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF133856.D
Acq: 20 Jun 2023 15:02

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-04

Tgt Ion:252 Resp: 5452
Ion Ratio Lower Upper
252 100
253 24.5 17.0 25.4
125 12.4 7.8 11.6

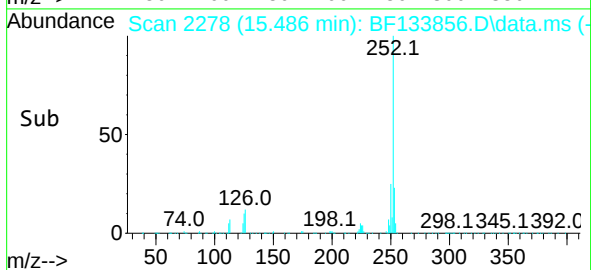
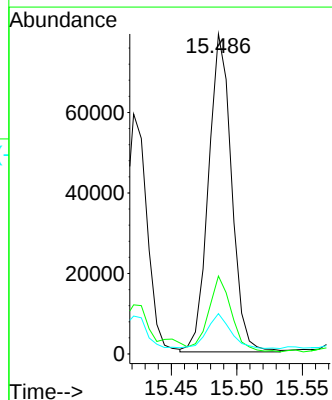
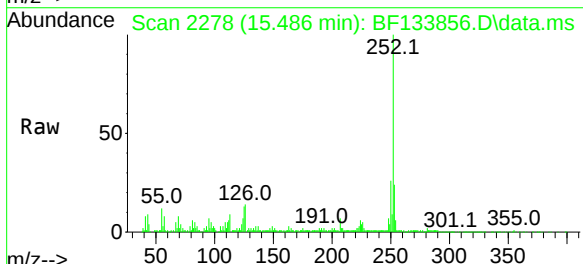
Manual Integrations
APPROVED

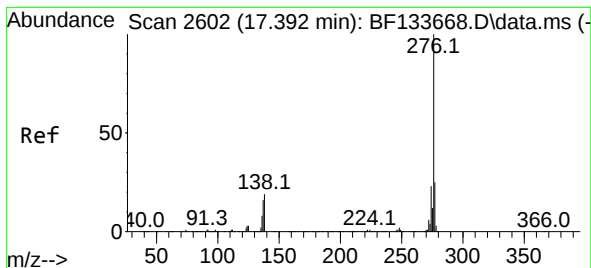
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023



#90
Benzo(a)pyrene
Concen: 11.446 ng
RT: 15.486 min Scan# 2278
Delta R.T. 0.000 min
Lab File: BF133856.D
Acq: 20 Jun 2023 15:02

Tgt Ion:252 Resp: 96707
Ion Ratio Lower Upper
252 100
253 24.3 17.1 25.7
125 12.6 8.6 13.0





#92

Benzo(g,h,i)perylene

Concen: 6.770 ng

RT: 17.568 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF133856.D

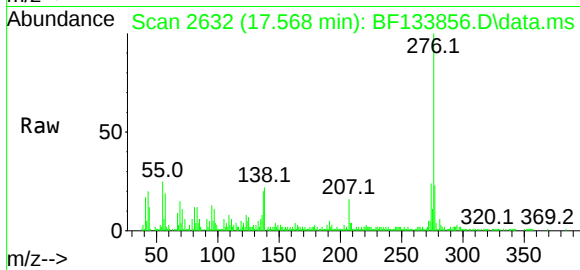
Acq: 20 Jun 2023 15:02

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-04



Tgt Ion:276 Resp: 5729

Ion Ratio Lower Upper

276 100

277 23.5 19.8 29.8

138 21.8 15.0 22.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/21/2023

Supervised By :mohammad ahmed 06/21/2023

