

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
 Data File : BF133821.D
 Acq On : 16 Jun 2023 23:03
 Operator : CG\JU
 Sample : 03224-12 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-15

Manual Integrations
 APPROVED

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

Quant Time: Jun 17 00:13:53 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	83358	20.000	ng	0.00
21) Naphthalene-d8	8.140	136	333368	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	137561	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	273296	20.000	ng	0.00
76) Chrysene-d12	14.051	240	147670	20.000	ng	0.00
86) Perylene-d12	15.563	264	126985	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	380684	79.504	ng	0.00
7) Phenol-d6	6.493	99	449772	72.164	ng	0.00
23) Nitrobenzene-d5	7.422	82	282102	46.091	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	104488	60.007	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	550068	56.842	ng	0.00
79) Terphenyl-d14	12.986	244	497160	52.094	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	130763	9.431	ng	99
72) Anthracene	11.469	178	38335	2.652	ng	98
75) Fluoranthene	12.616	202	274041	18.611	ng	99
78) Pyrene	12.845	202	244902	17.803	ng	99
81) Benzo(a)anthracene	14.039	228	116302	11.386	ng	99
83) Chrysene	14.074	228	100753	10.429	ng	97
87) Indeno(1,2,3-cd)pyrene	17.104	276	50540	5.785	ng	97
88) Benzo(b)fluoranthene	15.116	252	117181m	15.191	ng	
89) Benzo(k)fluoranthene	15.139	252	32234m	4.290	ng	
90) Benzo(a)pyrene	15.492	252	72418	10.116	ng	97
92) Benzo(g,h,i)perylene	17.580	276	45239	6.309	ng	96

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

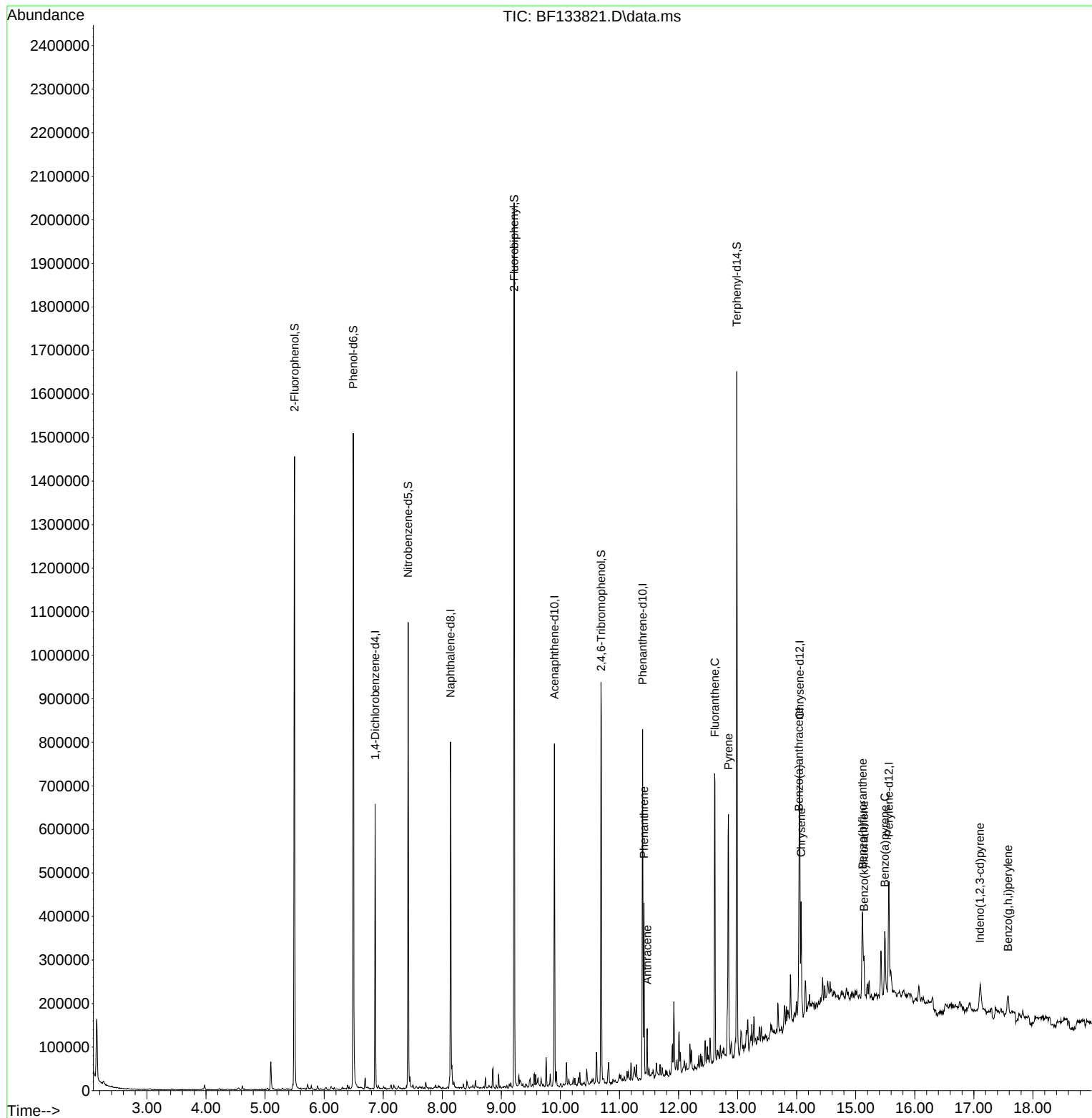
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
Data File : BF133821.D
Acq On : 16 Jun 2023 23:03
Operator : CG\JU
Sample : 03224-12 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

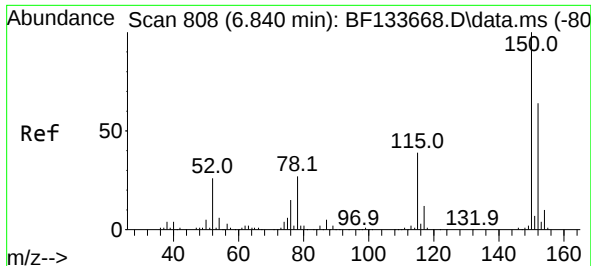
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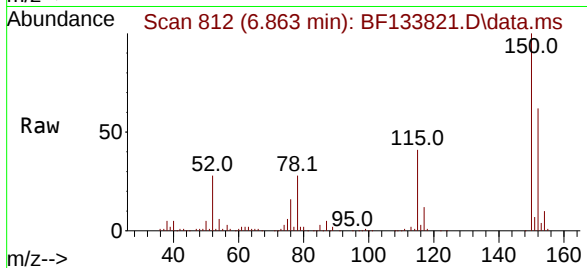
Quant Time: Jun 17 00:13:53 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 16 14:54:03 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF133821.D
Acq: 16 Jun 2023 23:03

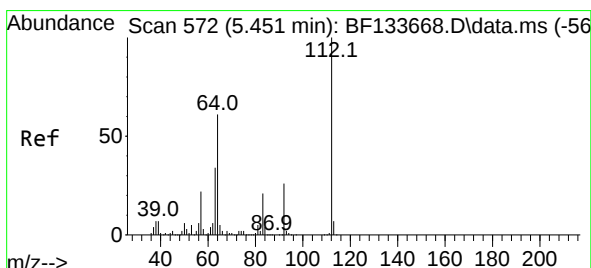
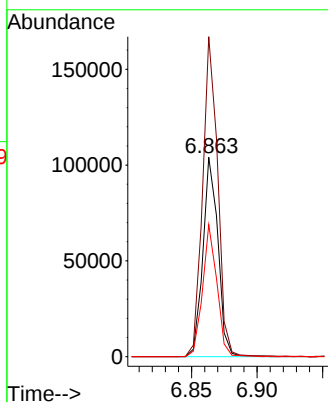
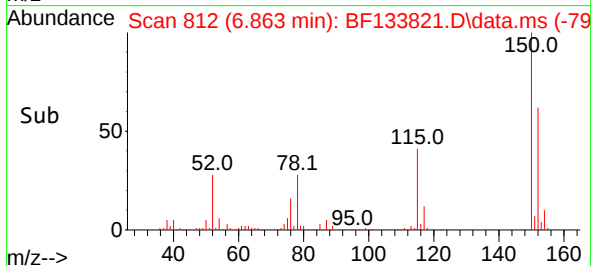
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-15



Tgt Ion:152 Resp: 8335
Ion Ratio Lower Upper
152 100
150 160.6 124.3 186.5
115 66.3 48.5 72.7

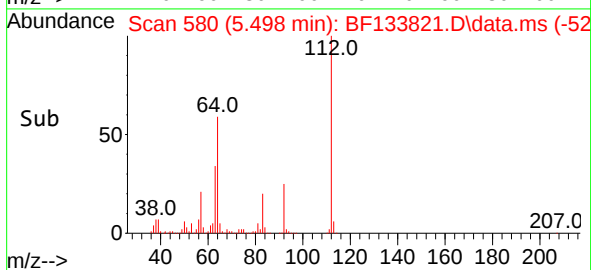
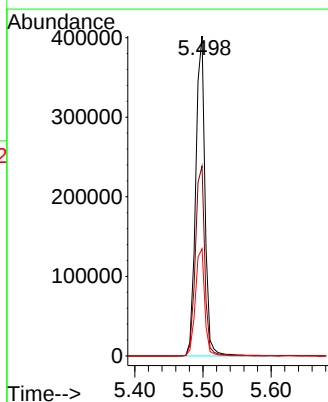
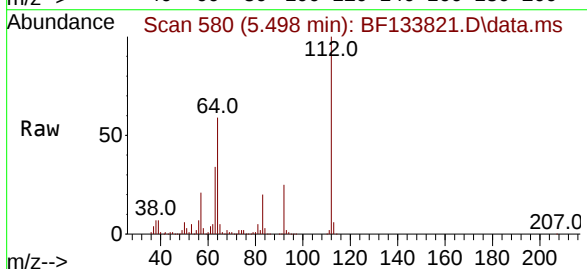
Manual Integrations
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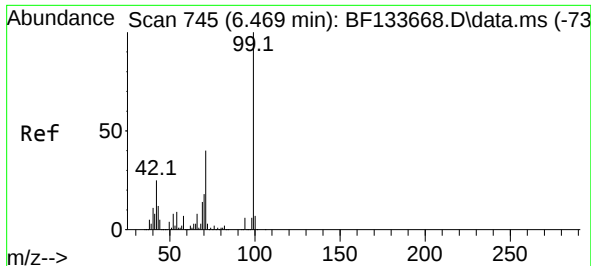
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#5
2-Fluorophenol
Concen: 79.504 ng
RT: 5.498 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF133821.D
Acq: 16 Jun 2023 23:03

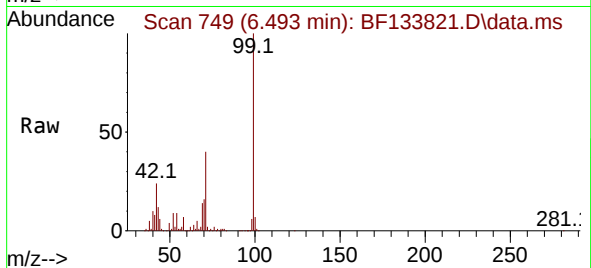
Tgt Ion:112 Resp: 380684
Ion Ratio Lower Upper
112 100
64 59.3 49.0 73.4
63 33.5 26.8 40.2





#7
Phenol-d6
Concen: 72.164 ng
RT: 6.493 min Scan# 745
Delta R.T. -0.006 min
Lab File: BF133821.D
Acq: 16 Jun 2023 23:03

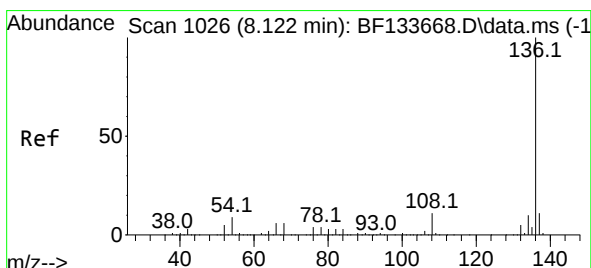
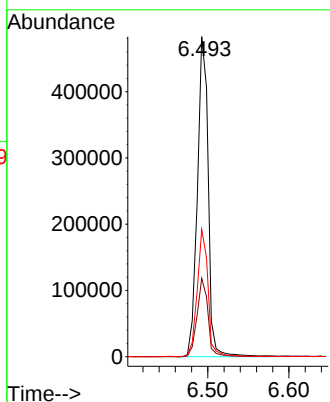
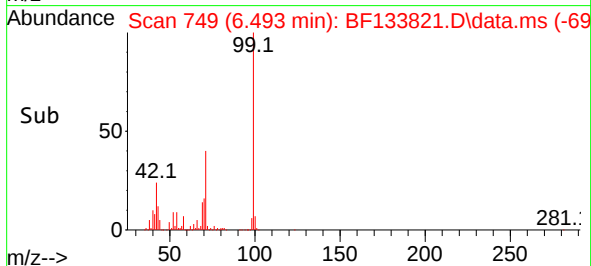
Instrument :
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ClientSampleId :
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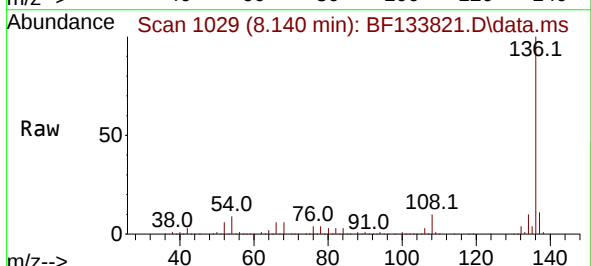
Tgt Ion: 99 Resp: 449772
Ion Ratio Lower Upper
99 100
42 24.5 19.9 29.9
71 39.8 32.2 48.4

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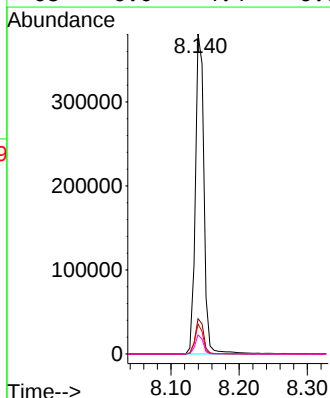
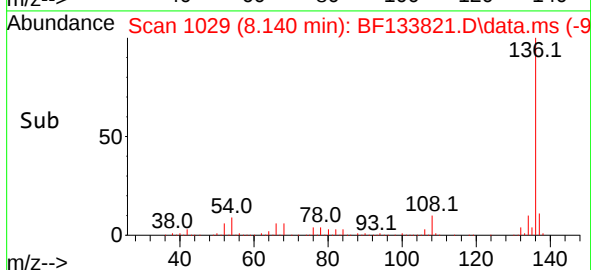
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023

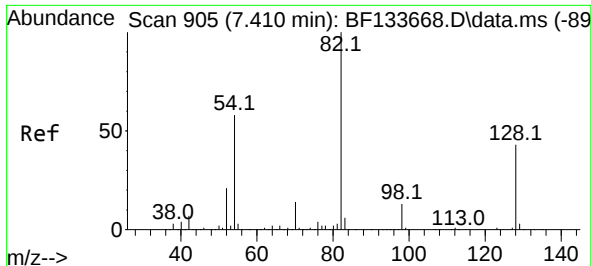


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.140 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF133821.D
Acq: 16 Jun 2023 23:03



Tgt Ion:136 Resp: 333368
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 9.3 7.4 11.0
68 6.0 4.4 6.6





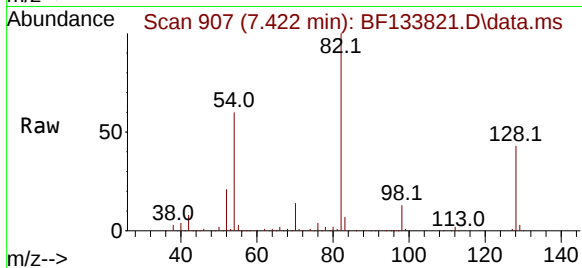
#23
Nitrobenzene-d5
Concen: 46.091 ng
RT: 7.422 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF133821.D
Acq: 16 Jun 2023 23:03

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-15

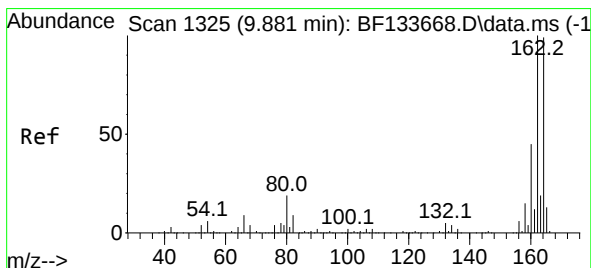
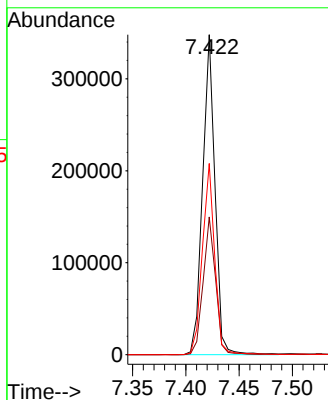
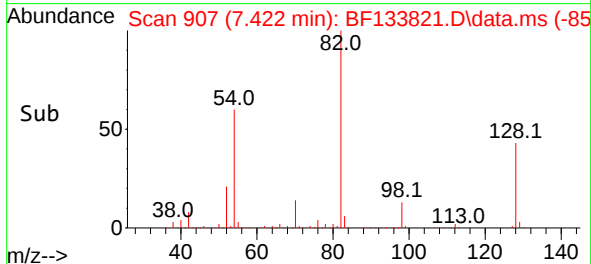


Tgt Ion: 82 Resp: 28210
Ion Ratio Lower Upper
82 100
128 43.1 34.2 51.2
54 59.7 46.5 69.7

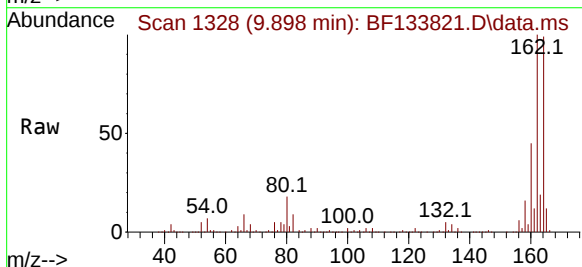
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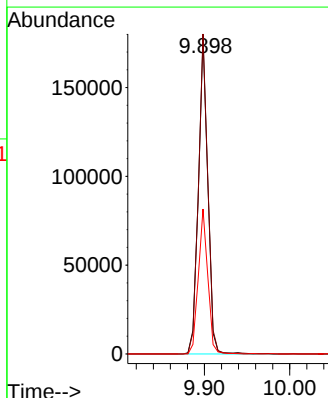
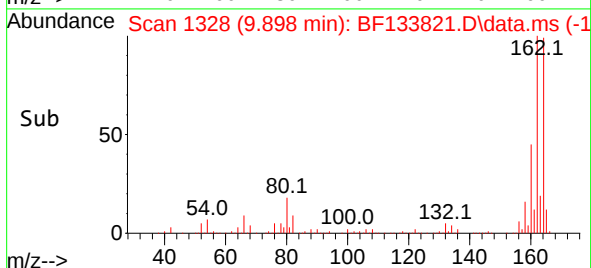
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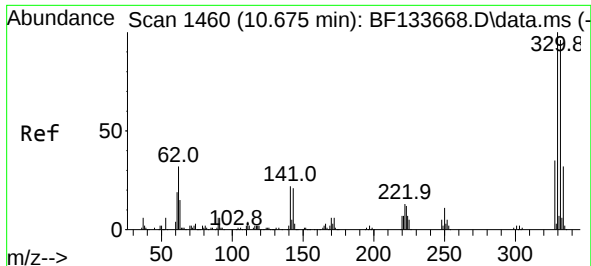


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF133821.D
Acq: 16 Jun 2023 23:03



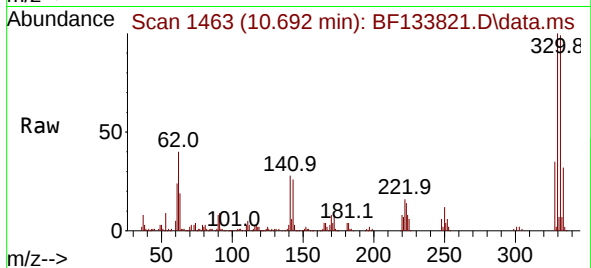
Tgt Ion:164 Resp: 137561
Ion Ratio Lower Upper
164 100
162 101.0 80.8 121.2
160 45.8 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 60.007 ng
RT: 10.692 min Scan# 1463
Delta R.T. 0.000 min
Lab File: BF133821.D
Acq: 16 Jun 2023 23:03

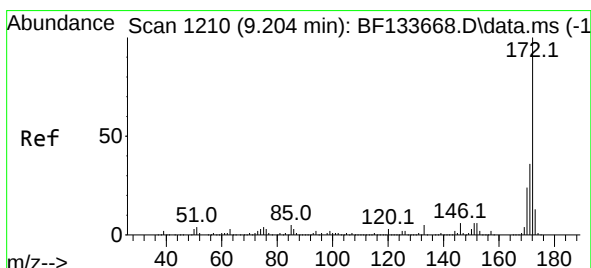
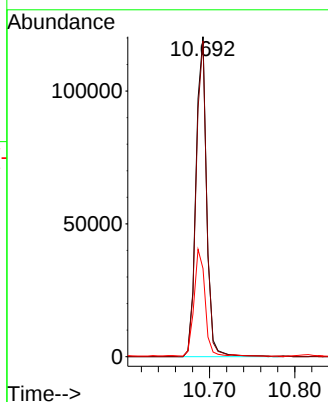
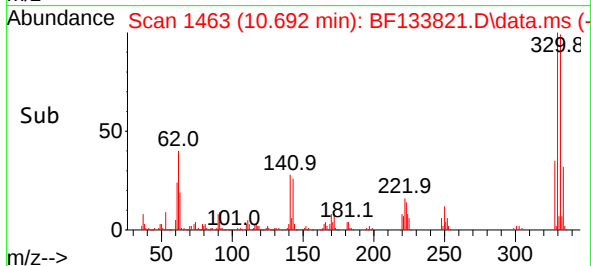
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-15



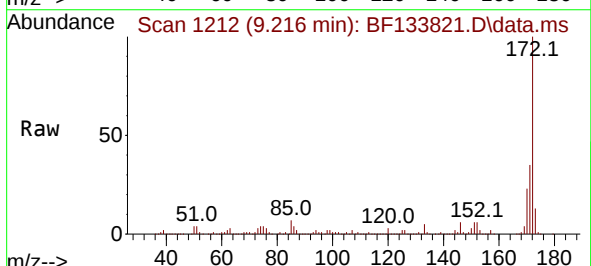
Tgt Ion:330 Resp: 104488
Ion Ratio Lower Upper
330 100
332 97.6 77.2 115.8
141 33.8 24.9 37.3

Manual Integrations
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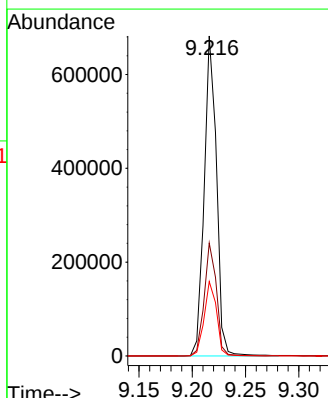
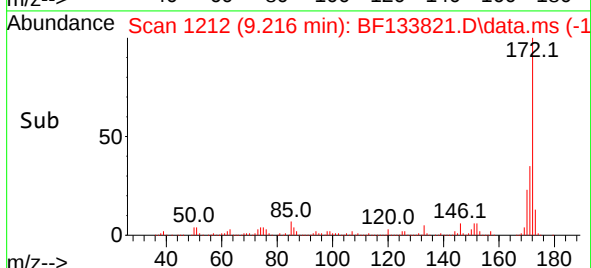
Reviewed By :Yogesh Patel 06/19/2023
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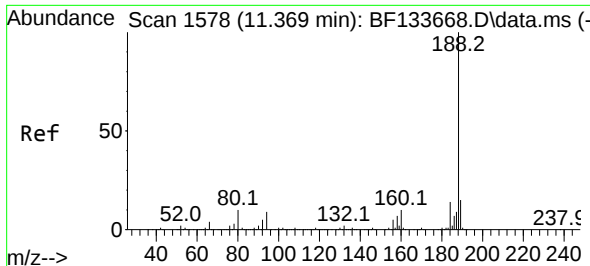


#45
2-Fluorobiphenyl
Concen: 56.842 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF133821.D
Acq: 16 Jun 2023 23:03



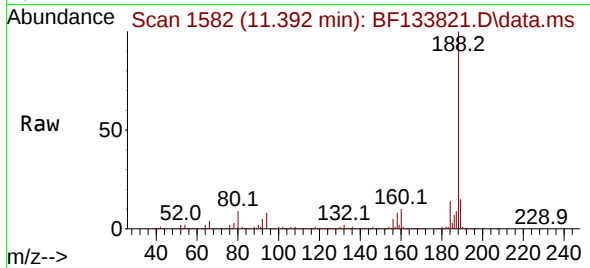
Tgt Ion:172 Resp: 550068
Ion Ratio Lower Upper
172 100
171 35.3 28.6 43.0
170 23.3 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF133821.D
Acq: 16 Jun 2023 23:03

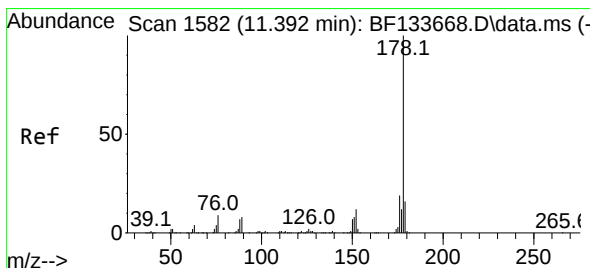
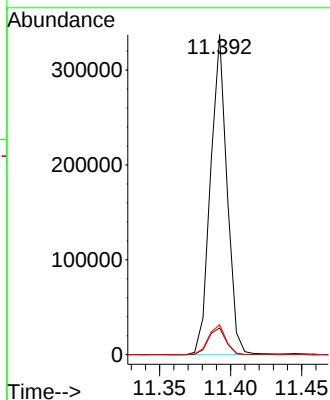
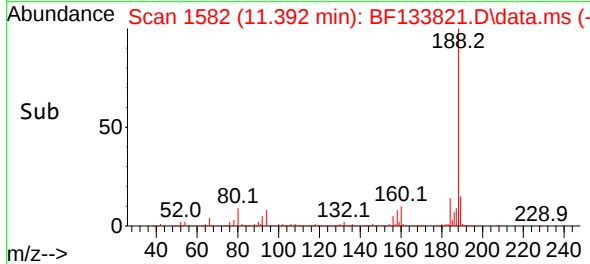
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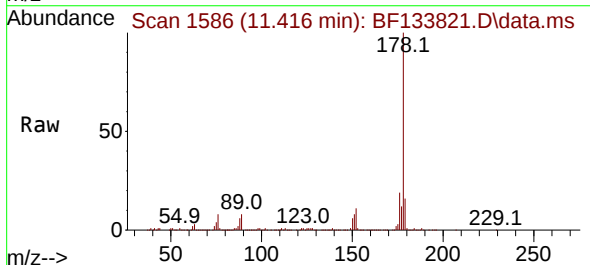
Tgt Ion:188 Resp: 273290
Ion Ratio Lower Upper
188 100
94 8.4 6.8 10.2
80 9.3 7.8 11.6

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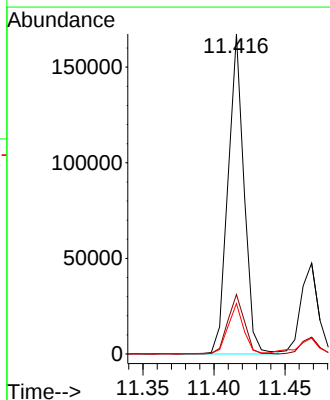
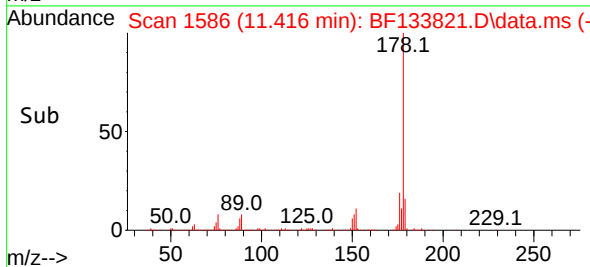
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023

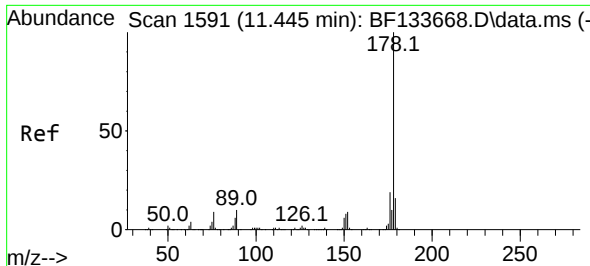


#71
Phenanthrene
Concen: 9.431 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF133821.D
Acq: 16 Jun 2023 23:03



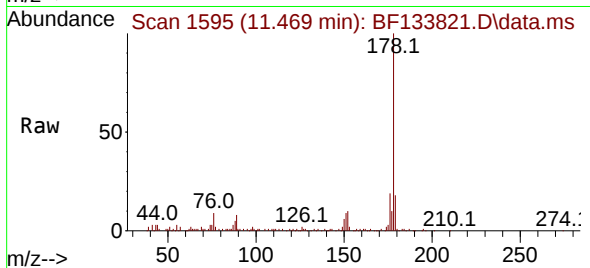
Tgt Ion:178 Resp: 130763
Ion Ratio Lower Upper
178 100
176 18.6 15.6 23.4
179 15.8 12.4 18.6





#72
 Anthracene
 Concen: 2.652 ng
 RT: 11.469 min Scan# 1149
 Delta R.T. 0.000 min
 Lab File: BF133821.D
 Acq: 16 Jun 2023 23:03

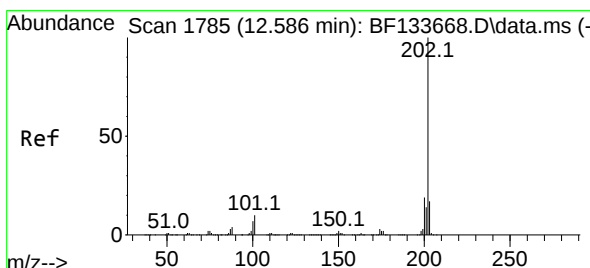
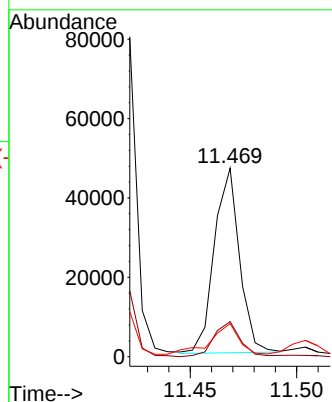
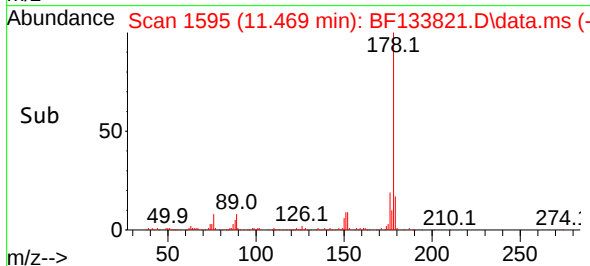
Instrument :
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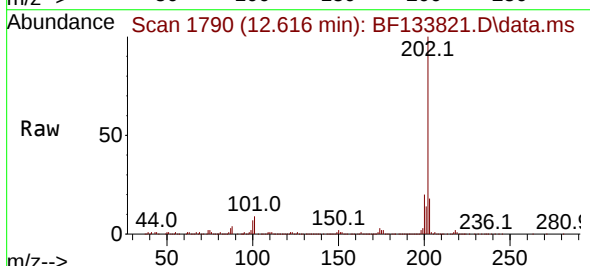
Tgt Ion:178 Resp: 38335
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.1 22.7
 179 17.6 12.6 18.8

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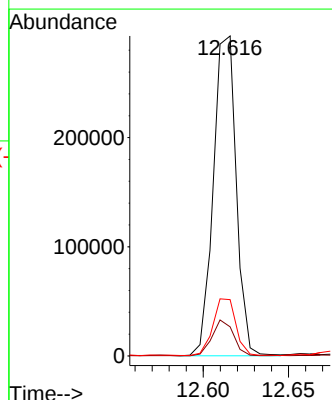
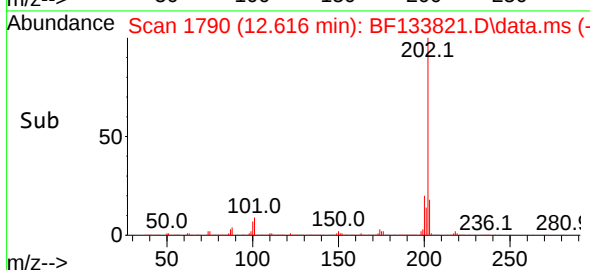
Reviewed By :Yogesh Patel 06/19/2023
 Supervised By :mohammad ahmed 06/20/2023

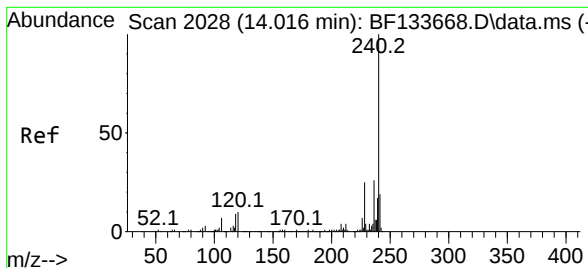


#75
 Fluoranthene
 Concen: 18.611 ng
 RT: 12.616 min Scan# 1790
 Delta R.T. 0.000 min
 Lab File: BF133821.D
 Acq: 16 Jun 2023 23:03



Tgt Ion:202 Resp: 274041
 Ion Ratio Lower Upper
 202 100
 101 9.1 0.0 29.6
 203 17.6 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: BF133821.D

Acq: 16 Jun 2023 23:03

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-15

Tgt Ion:240 Resp: 147670

Ion Ratio Lower Upper

240 100

120 10.1 8.1 12.1

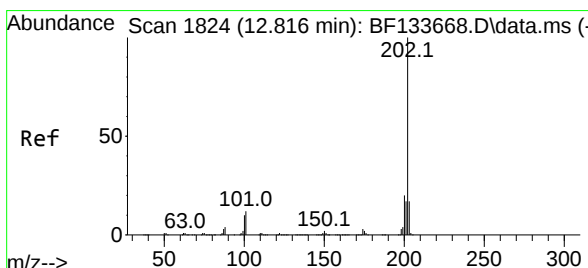
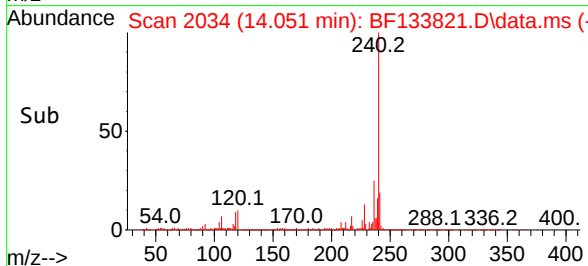
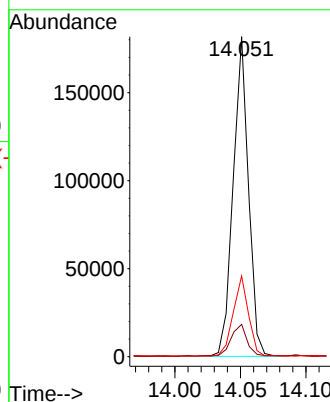
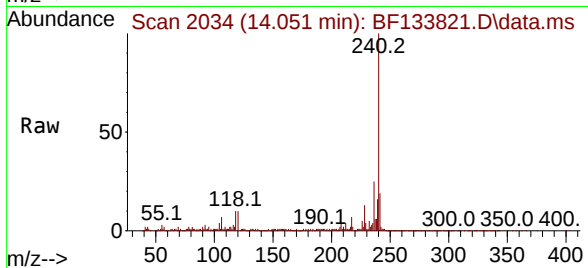
236 25.3 20.5 30.7

Manual Integrations

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Supervised By :mohammad ahmed 06/20/2023



#78

Pyrene

Concen: 17.803 ng

RT: 12.845 min Scan# 1829

Delta R.T. 0.000 min

Lab File: BF133821.D

Acq: 16 Jun 2023 23:03

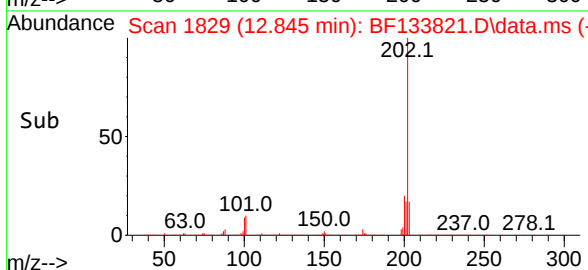
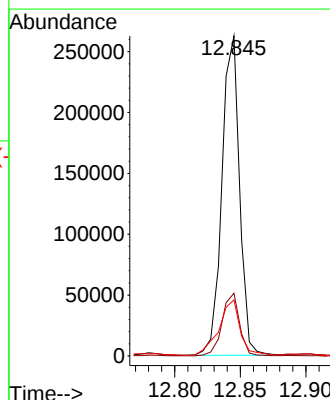
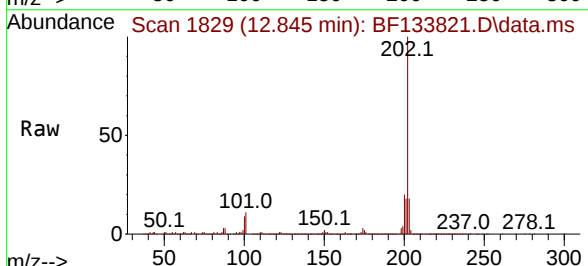
Tgt Ion:202 Resp: 244902

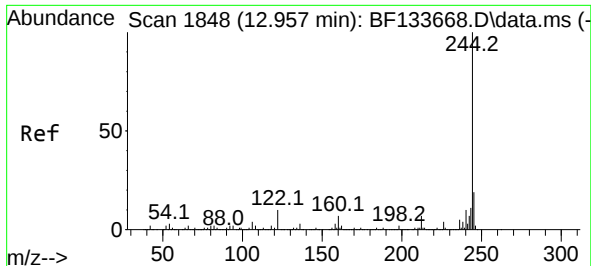
Ion Ratio Lower Upper

202 100

200 19.6 16.2 24.2

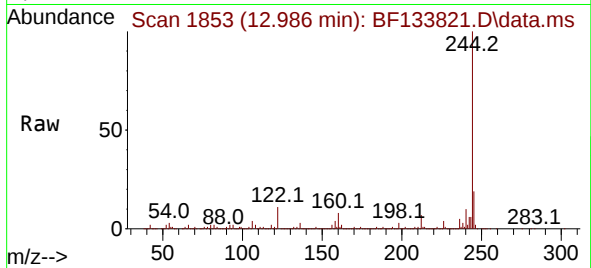
203 17.5 13.9 20.9





#79
Terphenyl-d14
Concen: 52.094 ng
RT: 12.986 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133821.D
Acq: 16 Jun 2023 23:03

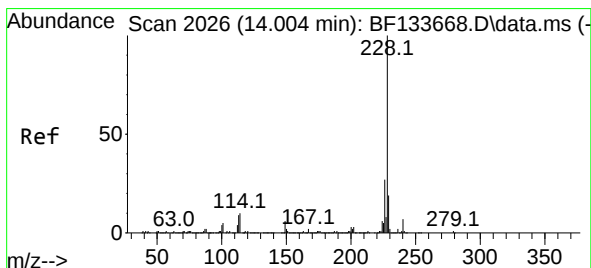
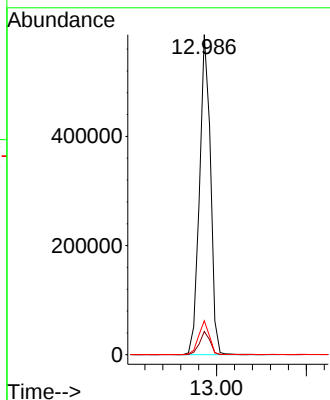
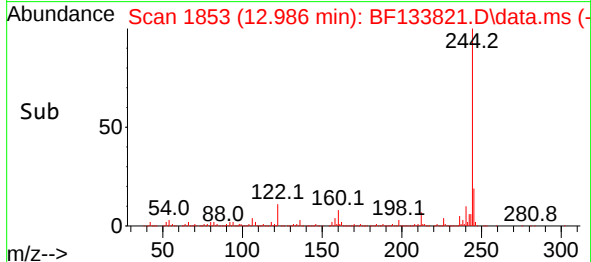
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-15



Tgt Ion:244 Resp: 497160
Ion Ratio Lower Upper
244 100
212 7.3 5.4 8.2
122 10.6 8.1 12.1

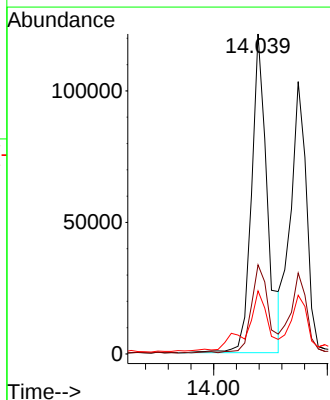
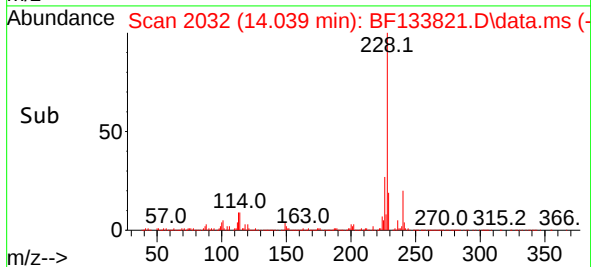
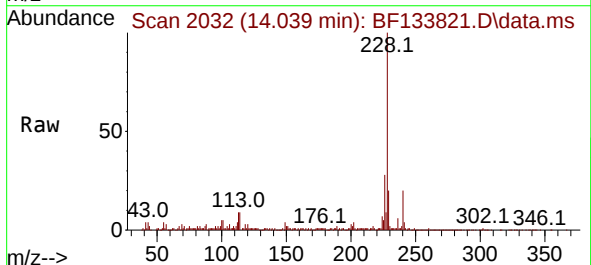
Manual Integrations
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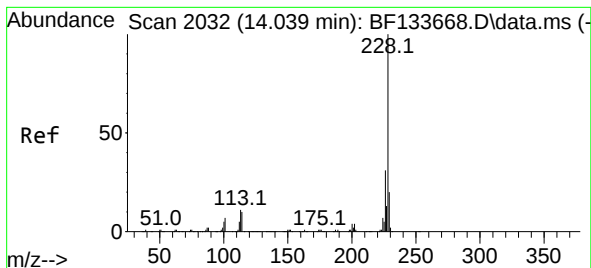
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#81
Benzo(a)anthracene
Concen: 11.386 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF133821.D
Acq: 16 Jun 2023 23:03

Tgt Ion:228 Resp: 116302
Ion Ratio Lower Upper
228 100
226 27.8 21.7 32.5
229 19.7 15.4 23.2





#83

Chrysene

Concen: 10.429 ng

RT: 14.074 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF133821.D

Acq: 16 Jun 2023 23:03

Instrument :

BNA_F

ClientSampleId :

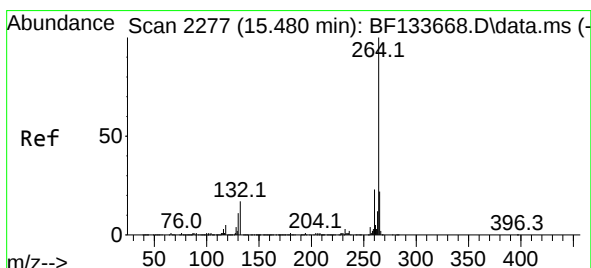
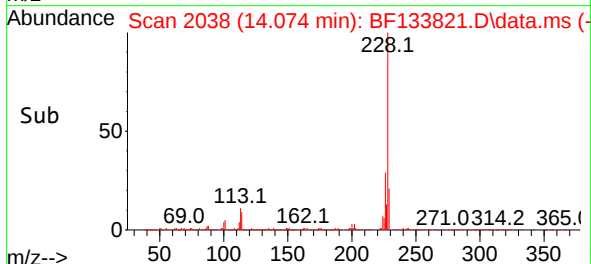
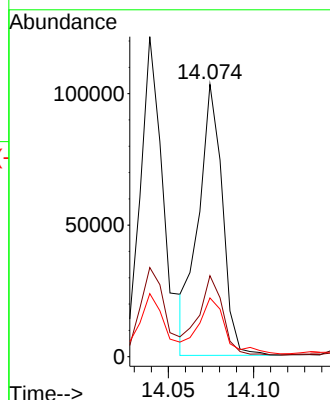
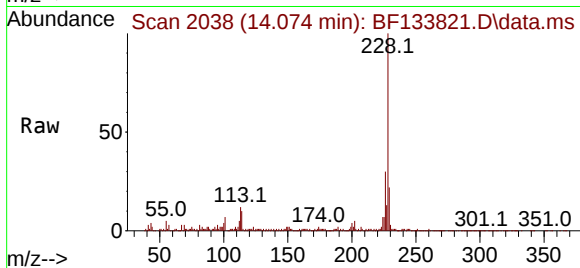
COMPOSIT-SB-15

Tgt Ion:228	Resp: 10075
Ion Ratio	Lower Upper
228 100	
226 29.7	25.0 37.6
229 21.6	15.8 23.8

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



#86

Perylene-d12

Concen: 20.000 ng

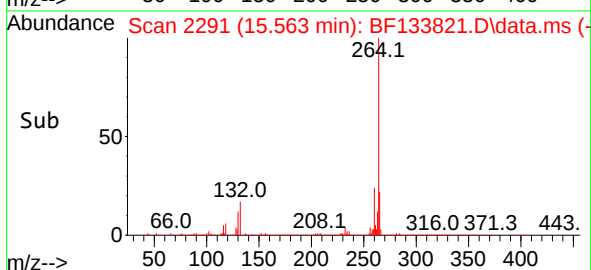
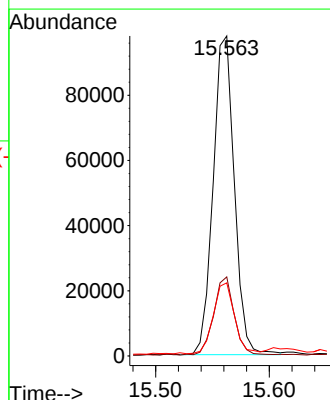
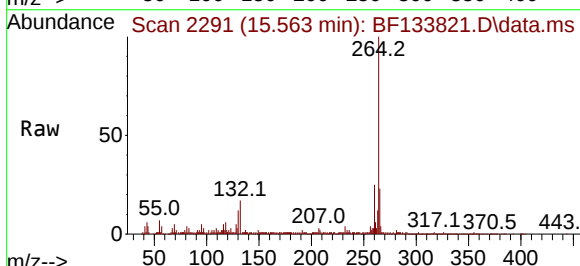
RT: 15.563 min Scan# 2291

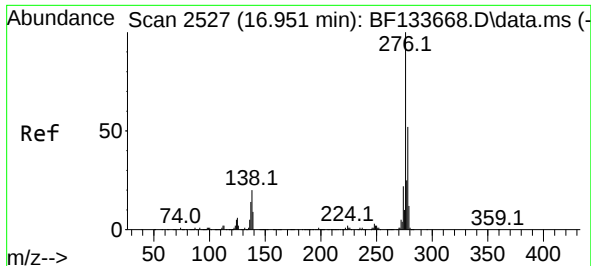
Delta R.T. 0.000 min

Lab File: BF133821.D

Acq: 16 Jun 2023 23:03

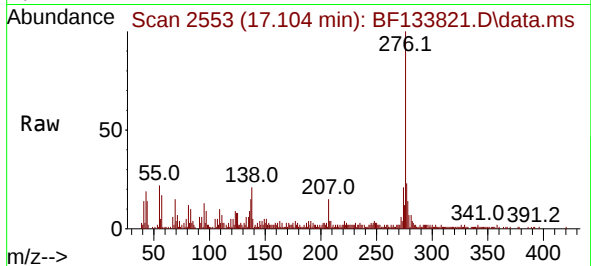
Tgt Ion:264	Resp: 126985
Ion Ratio	Lower Upper
264 100	
260 24.7	18.2 27.2
265 22.9	17.8 26.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 5.785 ng
RT: 17.104 min Scan# 2115
Delta R.T. -0.012 min
Lab File: BF133821.D
Acq: 16 Jun 2023 23:03

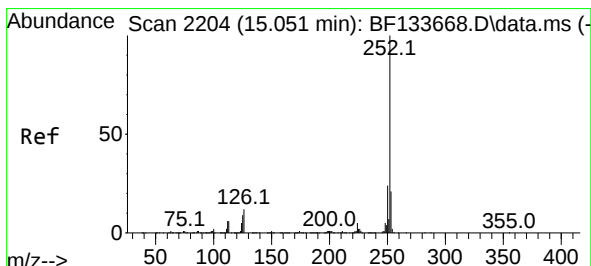
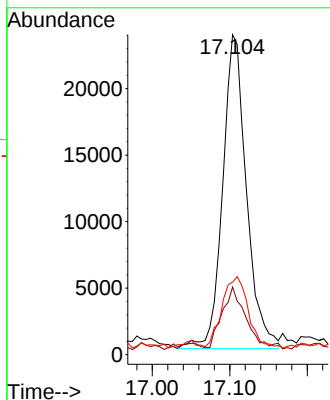
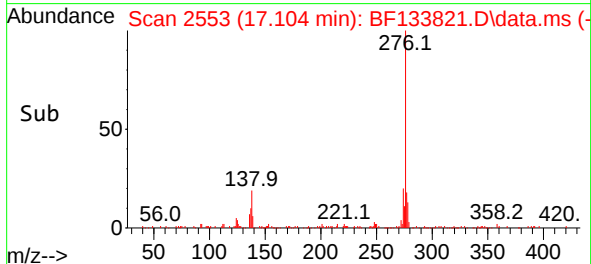
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-15



Tgt Ion: 276 Resp: 50540
Ion Ratio Lower Upper
276 100
138 19.9 17.9 26.9
277 24.8 20.3 30.5

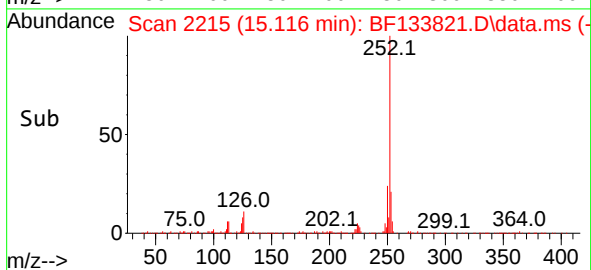
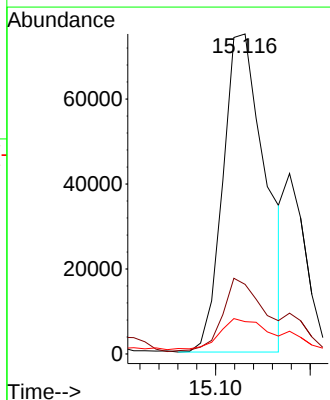
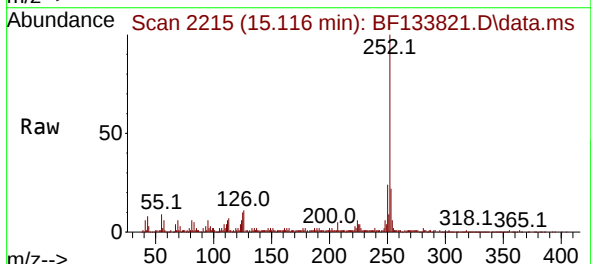
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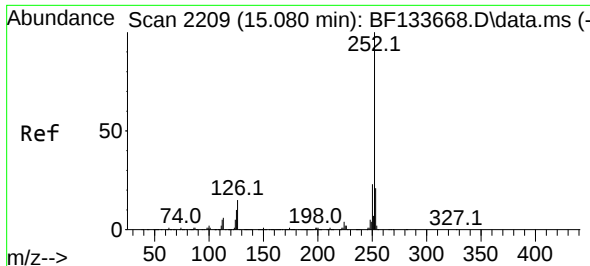
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#88
Benzo(b)fluoranthene
Concen: 15.191 ng m
RT: 15.116 min Scan# 2215
Delta R.T. 0.000 min
Lab File: BF133821.D
Acq: 16 Jun 2023 23:03

Tgt Ion: 252 Resp: 117181
Ion Ratio Lower Upper
252 100
253 21.8 17.0 25.6
125 10.1 7.3 10.9





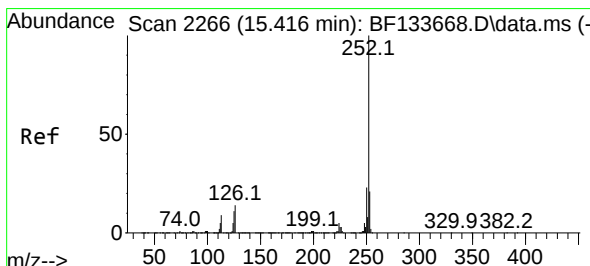
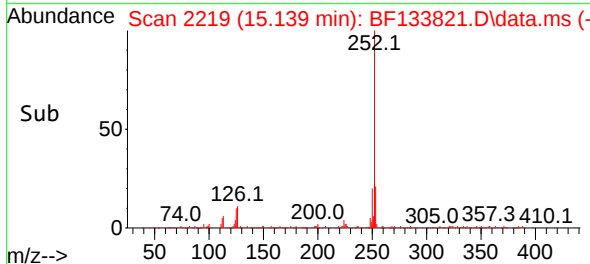
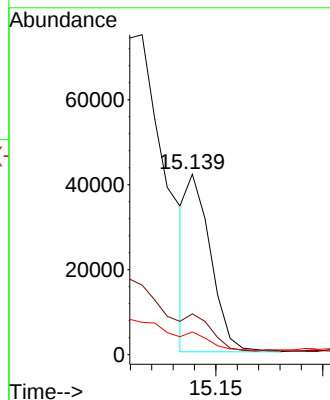
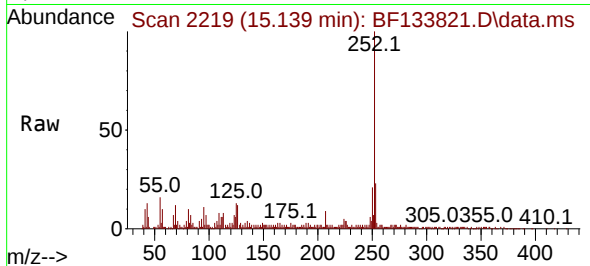
#89
Benzo(k)fluoranthene
Concen: 4.290 ng m
RT: 15.139 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133821.D
Acq: 16 Jun 2023 23:03

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-15

Tgt Ion:252 Resp: 32234
Ion Ratio Lower Upper
252 100
253 22.6 17.0 25.4
125 12.6 7.8 11.6

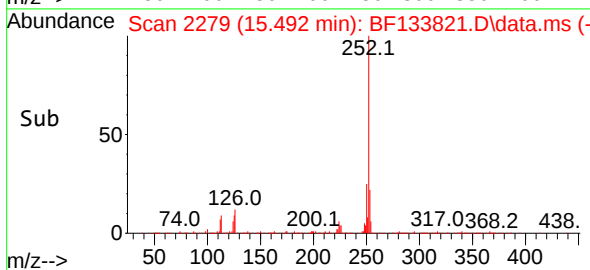
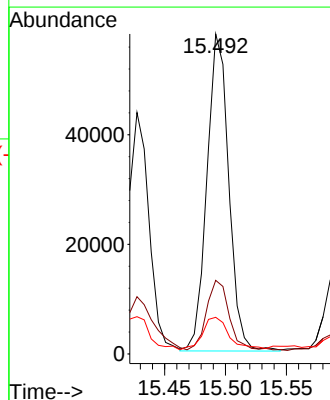
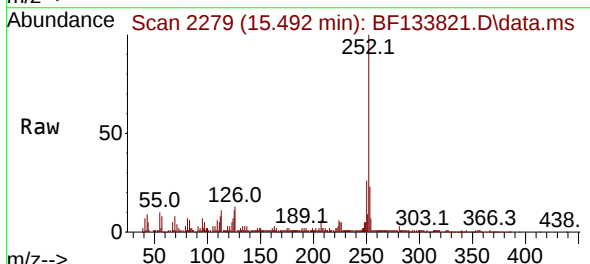
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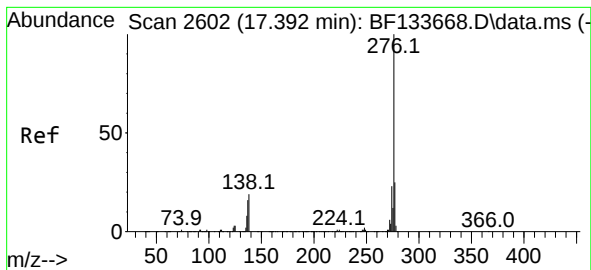
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#90
Benzo(a)pyrene
Concen: 10.116 ng
RT: 15.492 min Scan# 2279
Delta R.T. -0.006 min
Lab File: BF133821.D
Acq: 16 Jun 2023 23:03

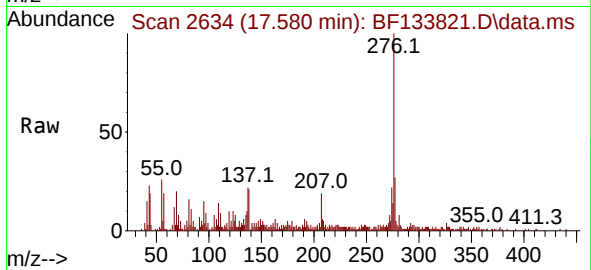
Tgt Ion:252 Resp: 72418
Ion Ratio Lower Upper
252 100
253 23.0 17.1 25.7
125 11.5 8.6 13.0





#92
Benzo(g,h,i)perylene
Concen: 6.309 ng
RT: 17.580 min Scan# 2602
Delta R.T. -0.012 min
Lab File: BF133821.D
Acq: 16 Jun 2023 23:03

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-15



Tgt Ion:276 Resp: 45239
Ion Ratio Lower Upper
276 100
277 26.5 19.8 29.8
138 21.1 15.0 22.4

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

