

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062323\
 Data File : BF133943.D
 Acq On : 23 Jun 2023 15:11
 Operator : CG\JU
 Sample : 03329-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SW03-0-8

Quant Time: Jun 23 17:08:42 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 23 02:21:26 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/26/2023
 Supervised By :mohammad ahmed 06/27/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	112230	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	399412	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	171780	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	297637	20.000	ng	0.00
76) Chrysene-d12	14.057	240	197876	20.000	ng	0.00
86) Perylene-d12	15.568	264	162904	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	309625	48.029	ng	0.00
7) Phenol-d6	6.492	99	374126	44.585	ng	0.00
23) Nitrobenzene-d5	7.422	82	236861	32.300	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	84828	39.012	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	446904	36.982	ng	0.00
79) Terphenyl-d14	12.992	244	424328	33.181	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	175385	11.614	ng	100
72) Anthracene	11.468	178	40120	2.548	ng	99
75) Fluoranthene	12.615	202	335439	20.918	ng	98
78) Pyrene	12.845	202	339476	18.417	ng	98
81) Benzo(a)anthracene	14.045	228	155791	11.382	ng	96
83) Chrysene	14.080	228	136470	10.542	ng	96
87) Indeno(1,2,3-cd)pyrene	17.121	276	64173	5.726	ng	97
88) Benzo(b)fluoranthene	15.121	252	176350m	17.821	ng	
89) Benzo(k)fluoranthene	15.145	252	47444m	4.922	ng	
90) Benzo(a)pyrene	15.503	252	117460	12.790	ng	100
92) Benzo(g,h,i)perylene	17.592	276	55225	6.003	ng #	93

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

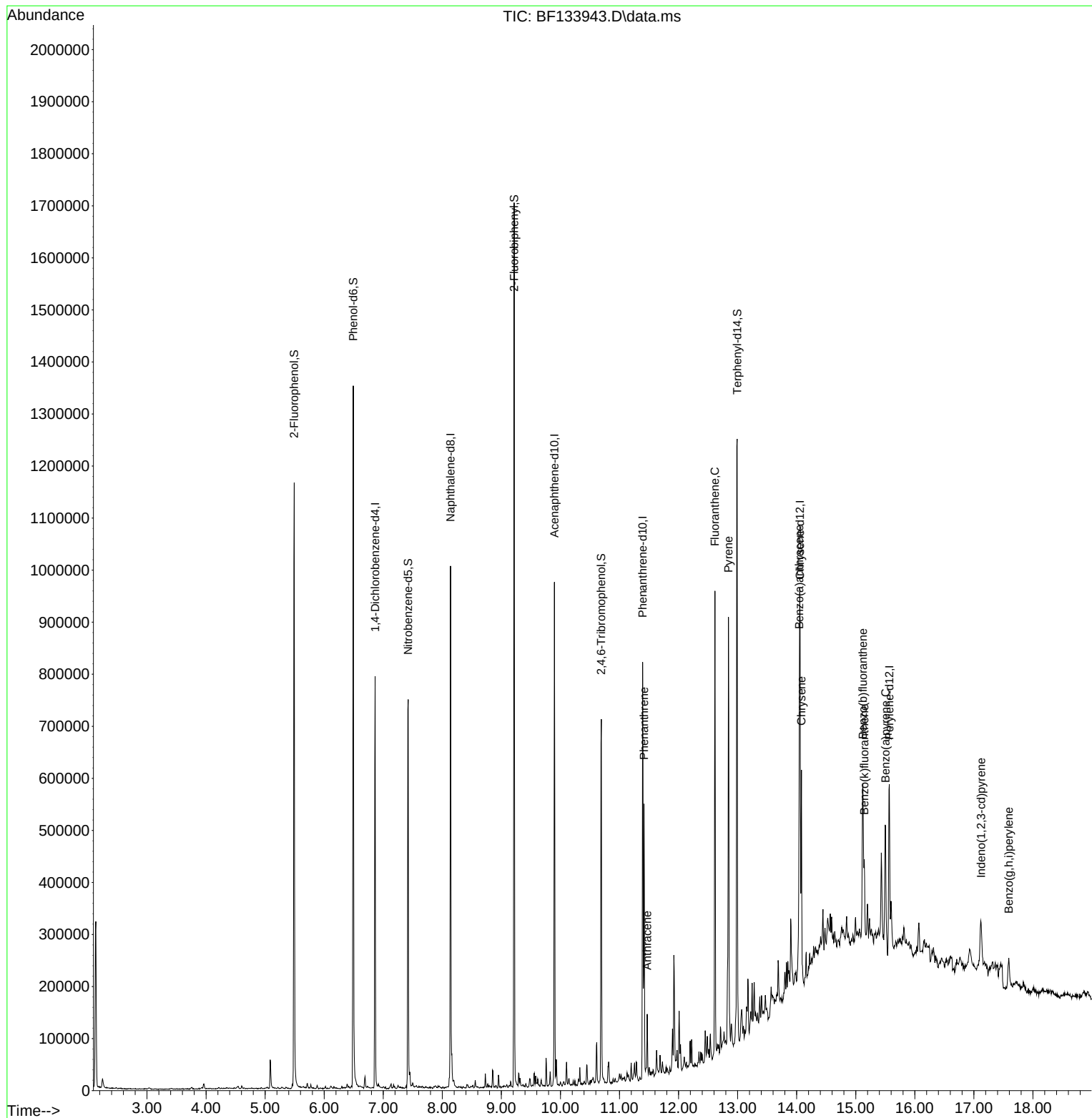
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062323\
Data File : BF133943.D
Acq On : 23 Jun 2023 15:11
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ALS Vial : 14 Sample Multiplier: 1

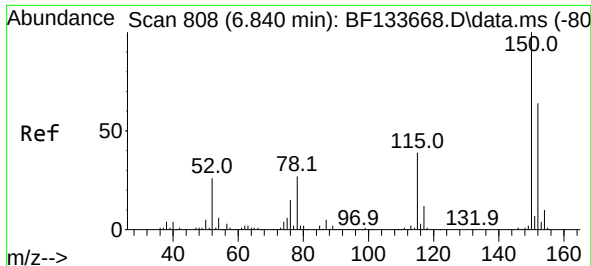
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW03-0-8

Quant Time: Jun 23 17:08:42 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
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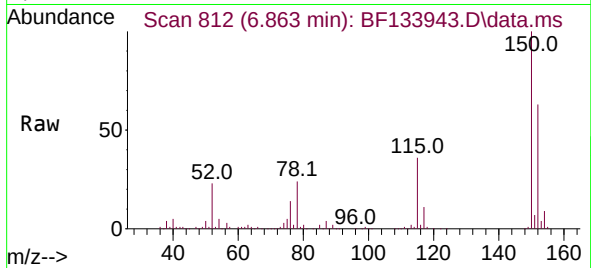
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.000 min
Lab File: BF133943.D
Acq: 23 Jun 2023 15:11

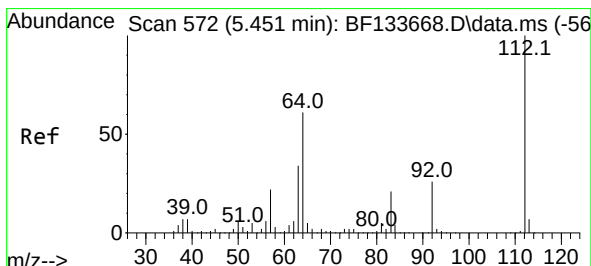
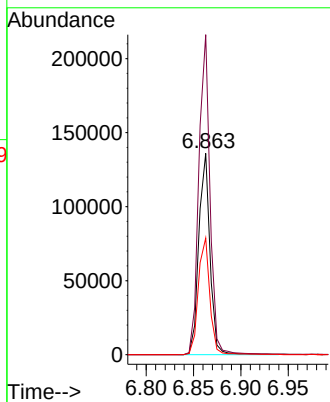
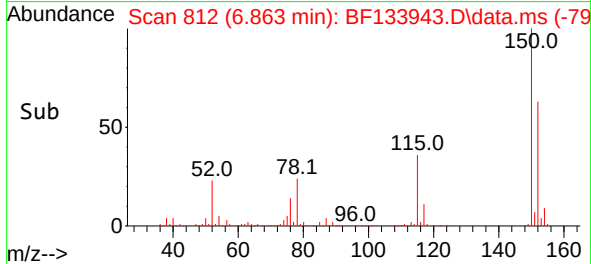
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW03-0-8



Tgt Ion:152 Resp: 112230
Ion Ratio Lower Upper
152 100
150 159.0 124.3 186.5
115 57.9 48.5 72.7

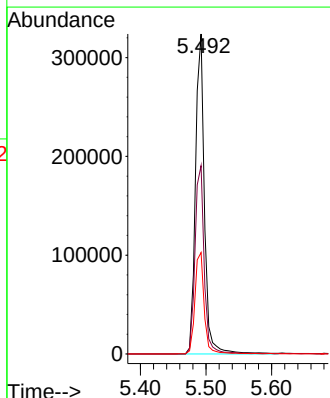
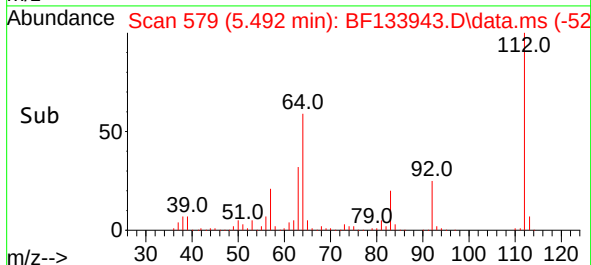
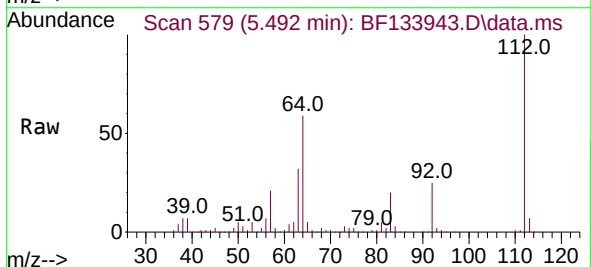
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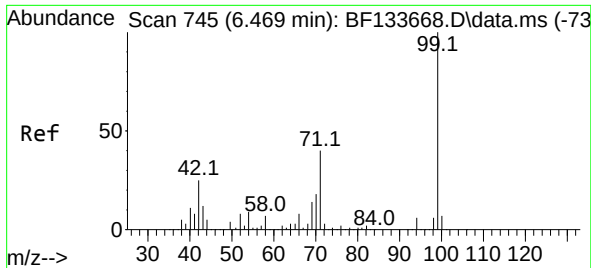
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023



#5
2-Fluorophenol
Concen: 48.029 ng
RT: 5.492 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF133943.D
Acq: 23 Jun 2023 15:11

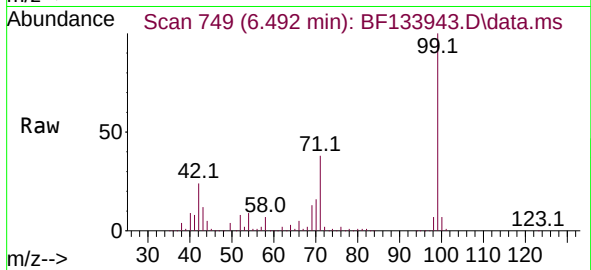
Tgt Ion:112 Resp: 309625
Ion Ratio Lower Upper
112 100
64 58.9 49.0 73.4
63 31.7 26.8 40.2





#7
Phenol-d6
Concen: 44.585 ng
RT: 6.492 min Scan# 745
Delta R.T. -0.006 min
Lab File: BF133943.D
Acq: 23 Jun 2023 15:11

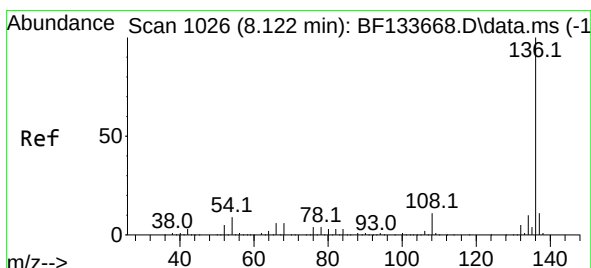
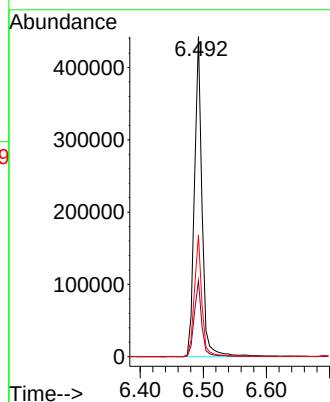
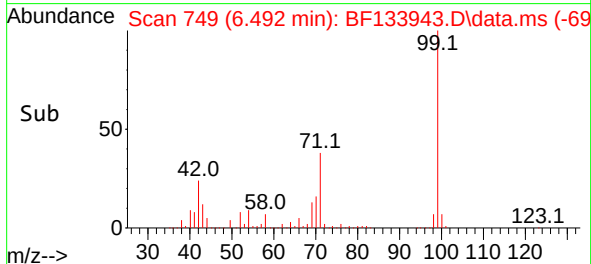
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW03-0-8



Tgt Ion: 99 Resp: 374120
Ion Ratio Lower Upper
99 100
42 23.8 19.9 29.9
71 37.9 32.2 48.4

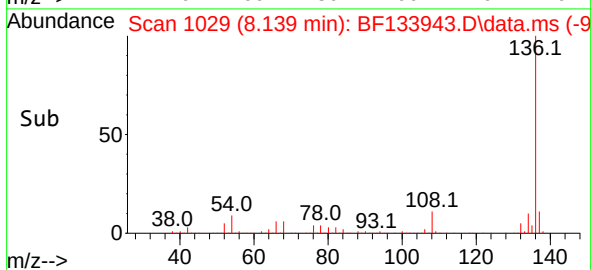
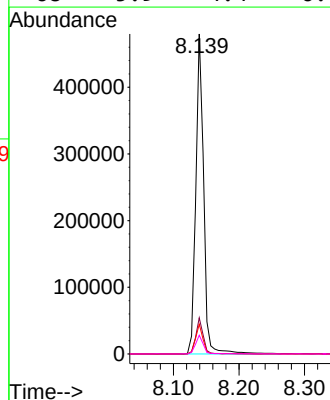
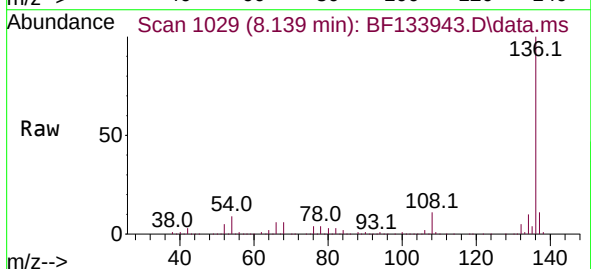
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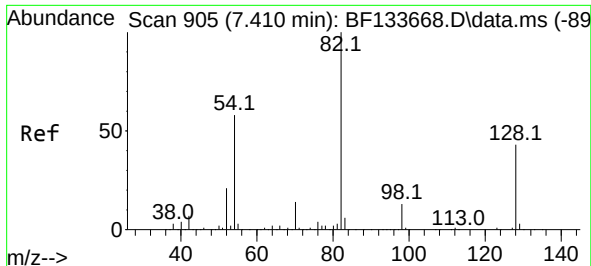
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.000 min
Lab File: BF133943.D
Acq: 23 Jun 2023 15:11

Tgt Ion:136 Resp: 399412
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 9.3 7.4 11.0
68 5.9 4.4 6.6





#23

Nitrobenzene-d5

Concen: 32.300 ng

RT: 7.422 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF133943.D

Acq: 23 Jun 2023 15:11

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW03-0-8

Tgt Ion: 82 Resp: 23686

Ion Ratio Lower Upper

82 100

128 45.5 34.2 51.2

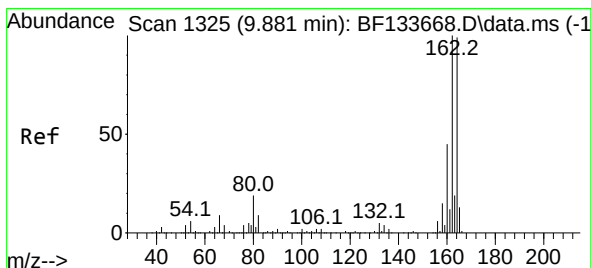
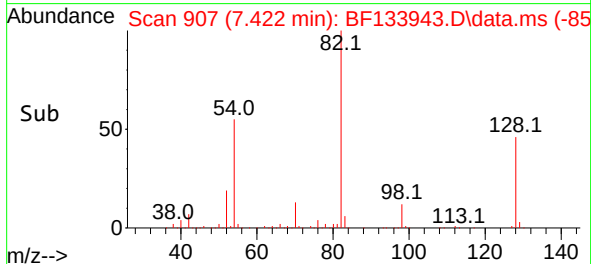
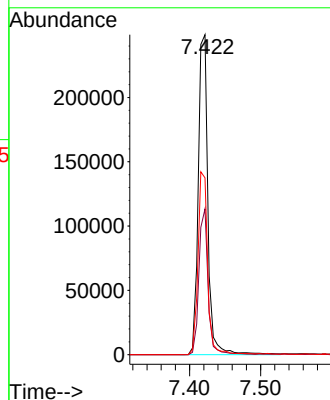
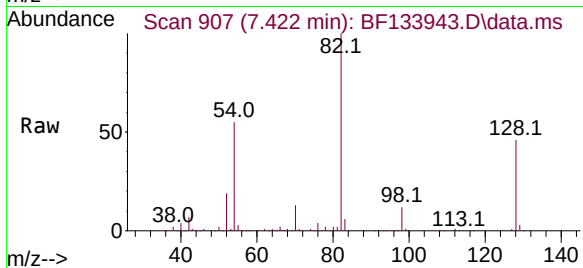
54 55.3 46.5 69.7

Manual Integrations

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Supervised By :mohammad ahmed 06/27/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1328

Delta R.T. -0.000 min

Lab File: BF133943.D

Acq: 23 Jun 2023 15:11

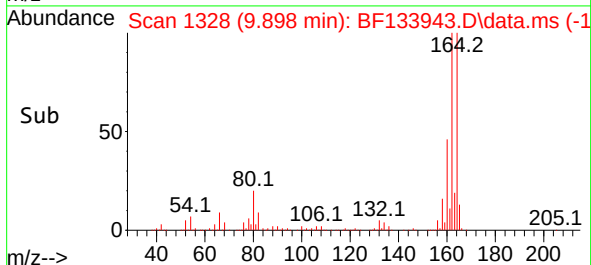
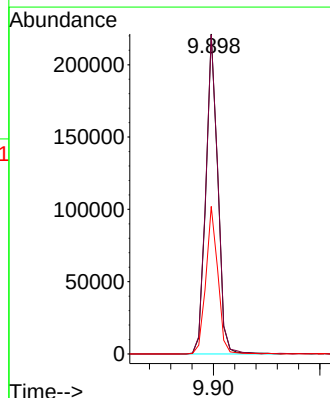
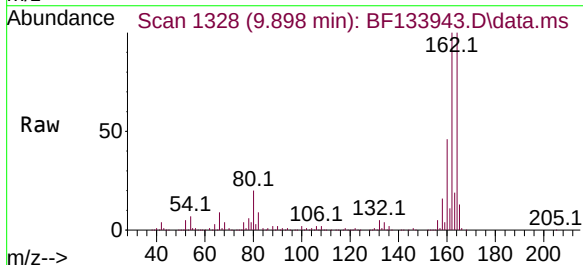
Tgt Ion:164 Resp: 171780

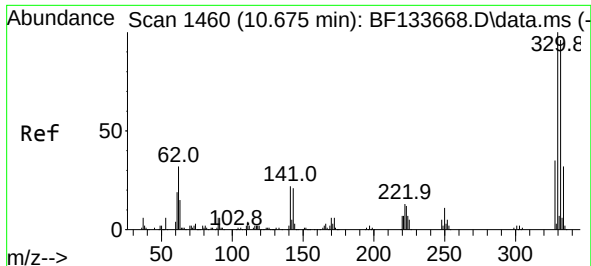
Ion Ratio Lower Upper

164 100

162 99.8 80.8 121.2

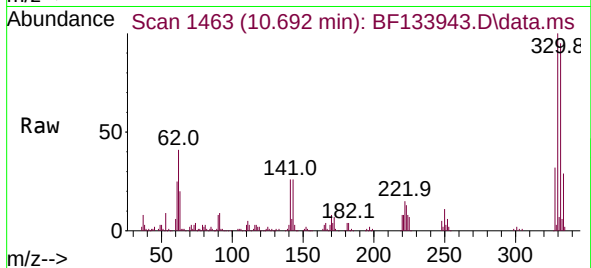
160 46.1 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 39.012 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF133943.D
Acq: 23 Jun 2023 15:11

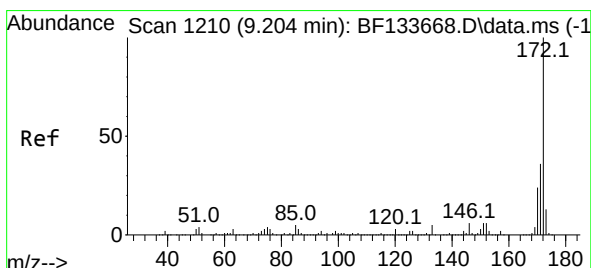
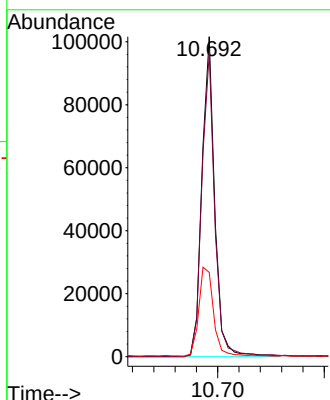
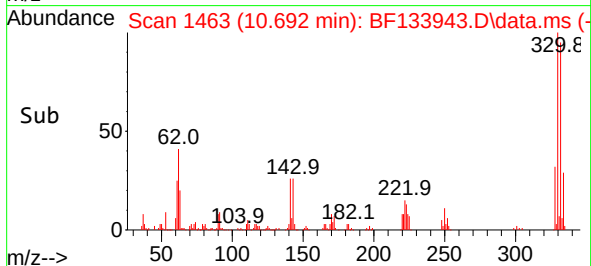
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW03-0-8



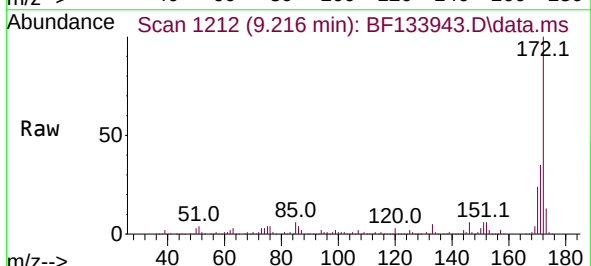
Tgt Ion: 330 Resp: 84828
Ion Ratio Lower Upper
330 100
332 96.0 77.2 115.8
141 32.0 24.9 37.3

Manual Integrations
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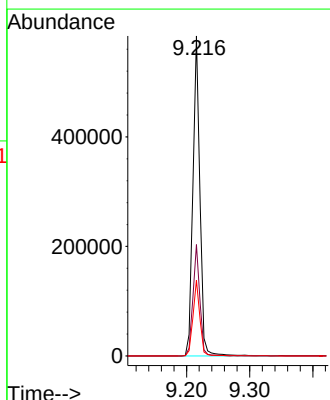
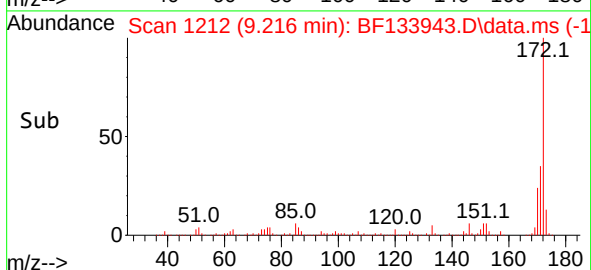
Reviewed By : Yogesh Patel 06/26/2023
Supervised By : mohammad ahmed 06/27/2023

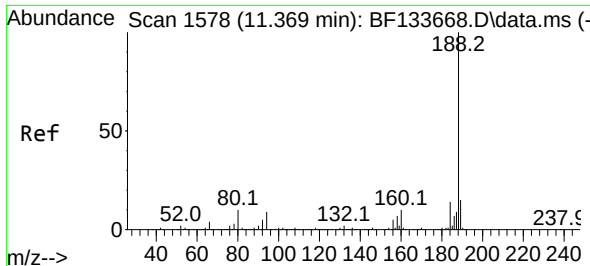


#45
2-Fluorobiphenyl
Concen: 36.982 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF133943.D
Acq: 23 Jun 2023 15:11



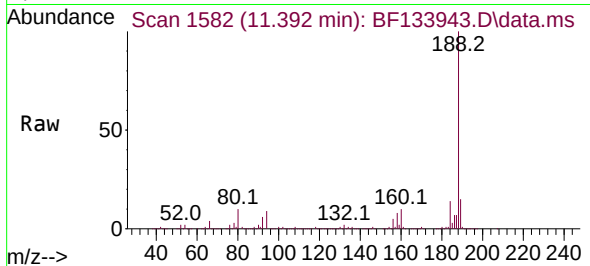
Tgt Ion: 172 Resp: 446904
Ion Ratio Lower Upper
172 100
171 34.8 28.6 43.0
170 23.7 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF133943.D
Acq: 23 Jun 2023 15:11

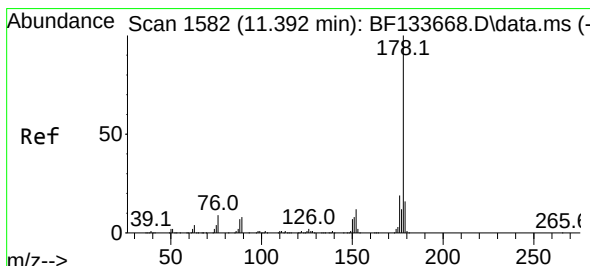
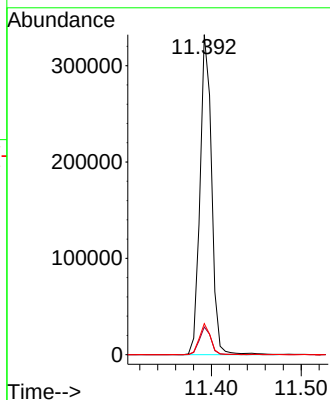
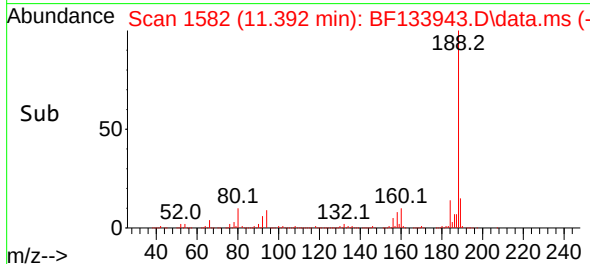
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW03-0-8



Tgt Ion:188 Resp: 29763
Ion Ratio Lower Upper
188 100
94 8.7 6.8 10.2
80 9.7 7.8 11.6

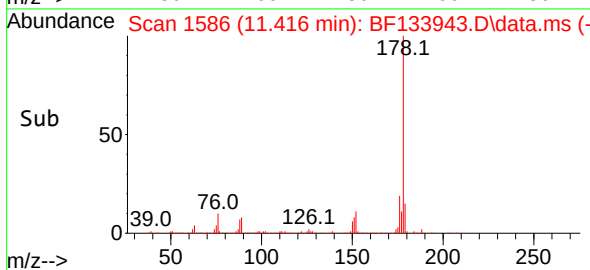
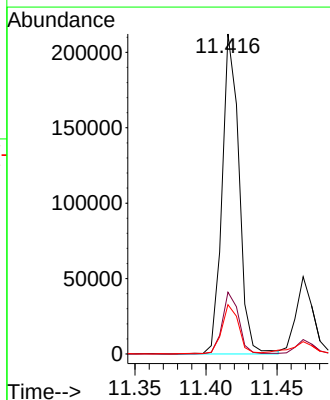
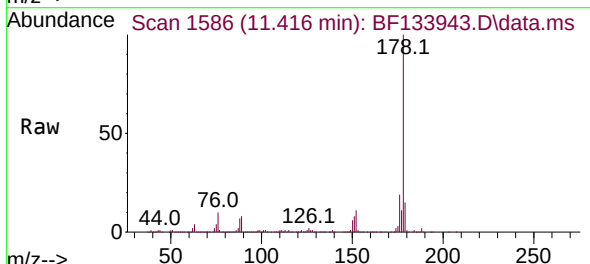
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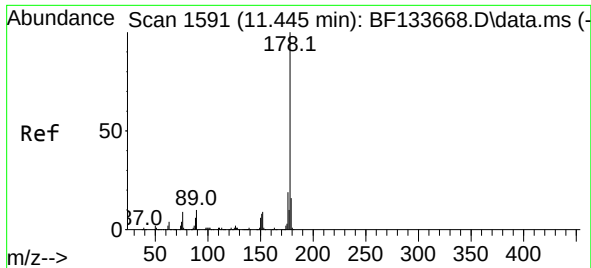
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023



#71
Phenanthrene
Concen: 11.614 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF133943.D
Acq: 23 Jun 2023 15:11

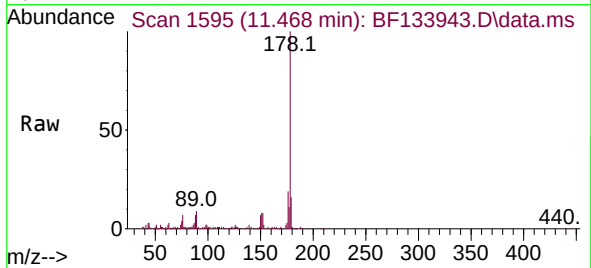
Tgt Ion:178 Resp: 175385
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 15.4 12.4 18.6





#72
 Anthracene
 Concen: 2.548 ng
 RT: 11.468 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF133943.D
 Acq: 23 Jun 2023 15:11

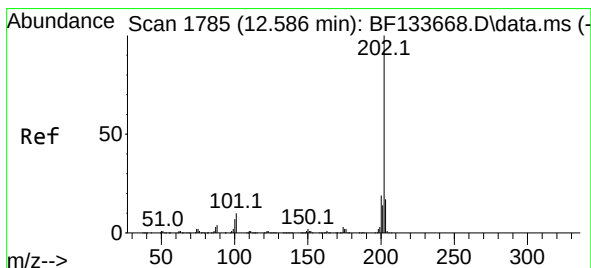
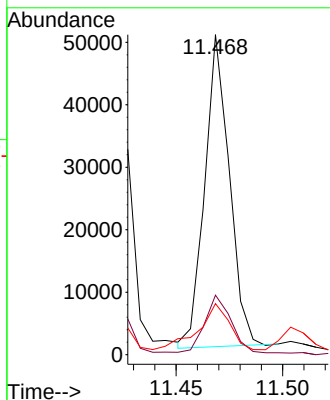
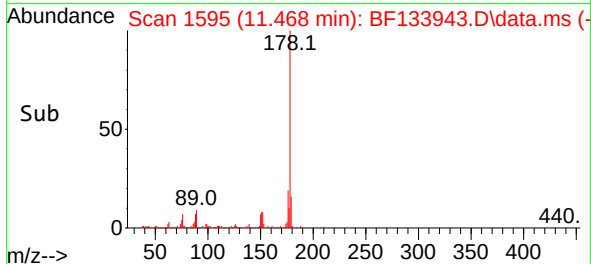
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SW03-0-8



Tgt Ion:178 Resp: 40120
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.1 22.7
 179 15.9 12.6 18.8

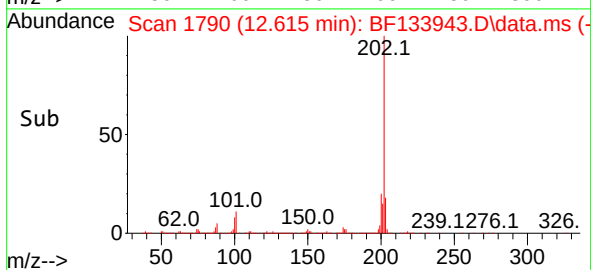
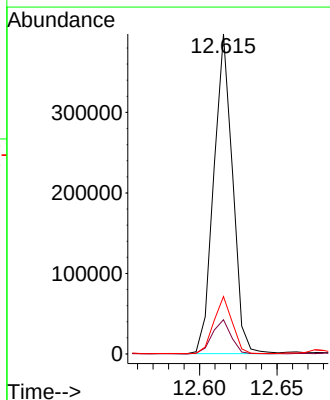
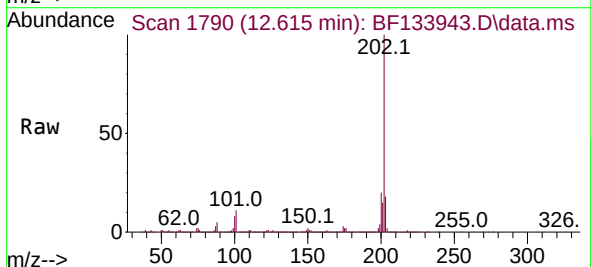
Manual Integrations
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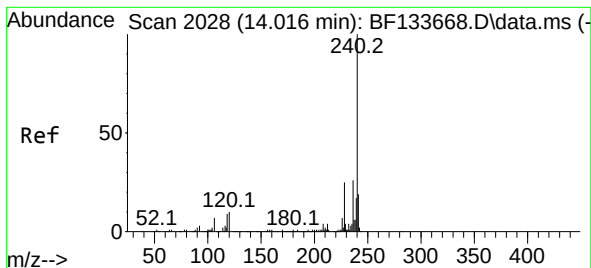
Reviewed By :Yogesh Patel 06/26/2023
 Supervised By :mohammad ahmed 06/27/2023



#75
 Fluoranthene
 Concen: 20.918 ng
 RT: 12.615 min Scan# 1790
 Delta R.T. -0.000 min
 Lab File: BF133943.D
 Acq: 23 Jun 2023 15:11

Tgt Ion:202 Resp: 335439
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 29.6
 203 17.9 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BF133943.D

Acq: 23 Jun 2023 15:11

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW03-0-8

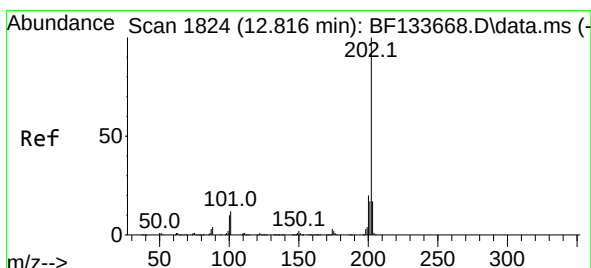
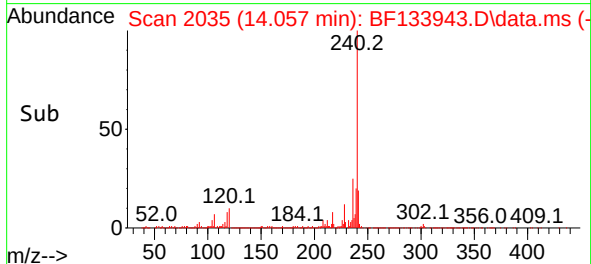
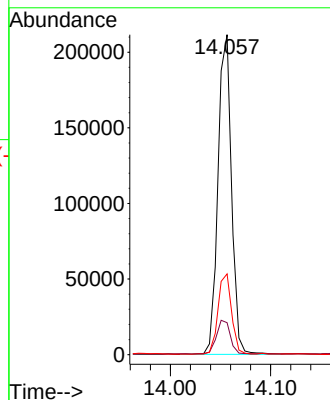
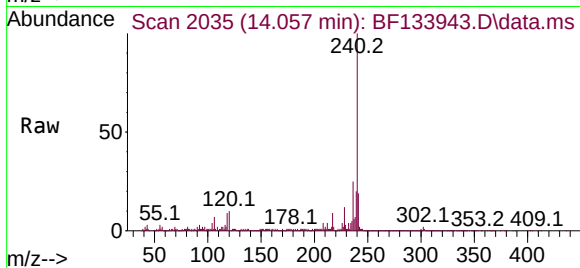
Tgt Ion:240 Resp: 197876
 Ion Ratio Lower Upper
 240 100
 120 10.0 8.1 12.1
 236 25.3 20.5 30.7

Manual Integrations

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Reviewed By :Yogesh Patel 06/26/2023

Supervised By :mohammad ahmed 06/27/2023



#78

Pyrene

Concen: 18.417 ng

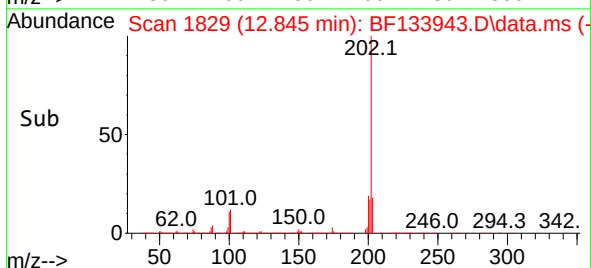
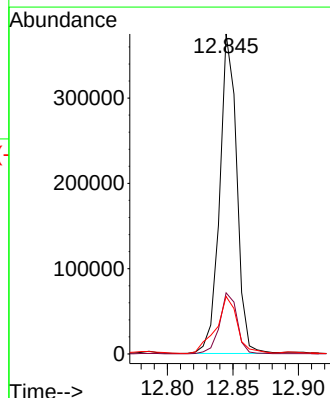
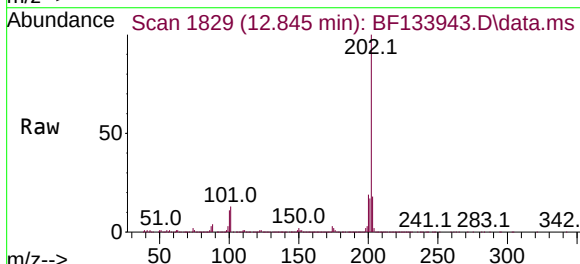
RT: 12.845 min Scan# 1829

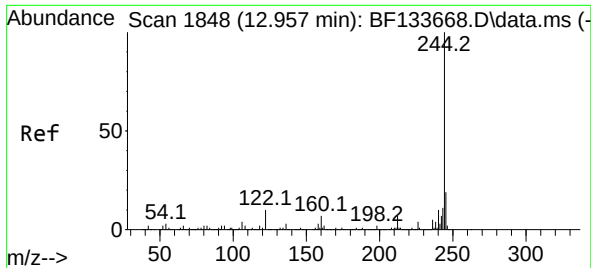
Delta R.T. -0.000 min

Lab File: BF133943.D

Acq: 23 Jun 2023 15:11

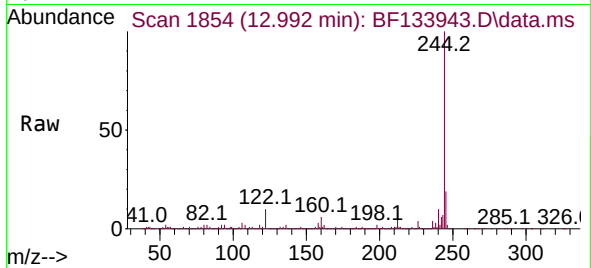
Tgt Ion:202 Resp: 339476
 Ion Ratio Lower Upper
 202 100
 200 19.1 16.2 24.2
 203 17.9 13.9 20.9





#79
 Terphenyl-d14
 Concen: 33.181 ng
 RT: 12.992 min Scan# 1848
 Delta R.T. -0.000 min
 Lab File: BF133943.D
 Acq: 23 Jun 2023 15:11

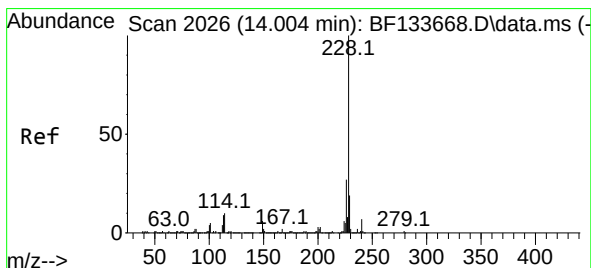
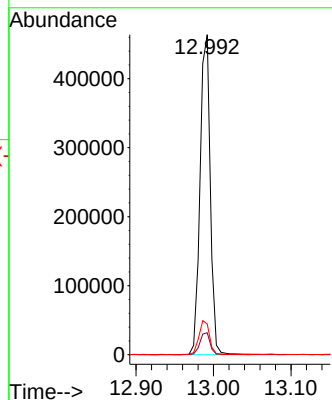
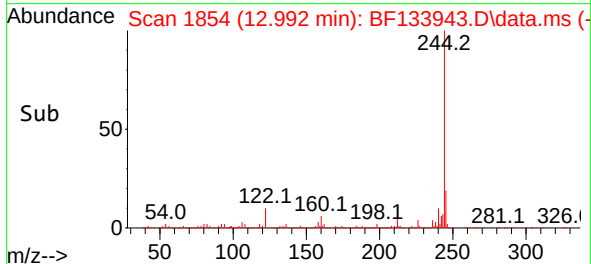
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SW03-0-8



Tgt Ion:244 Resp: 424328
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.2
 122 9.6 8.1 12.1

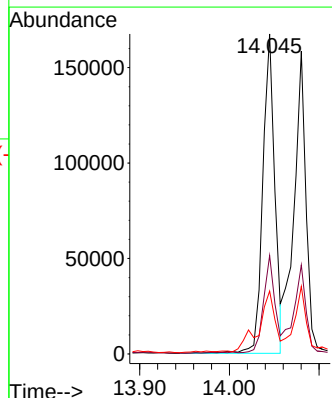
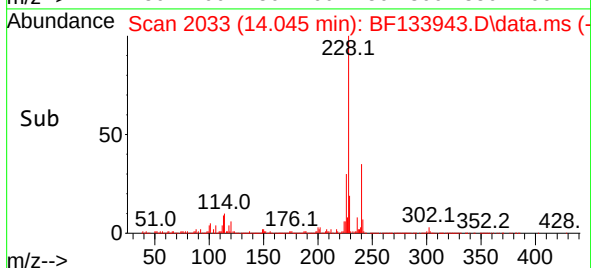
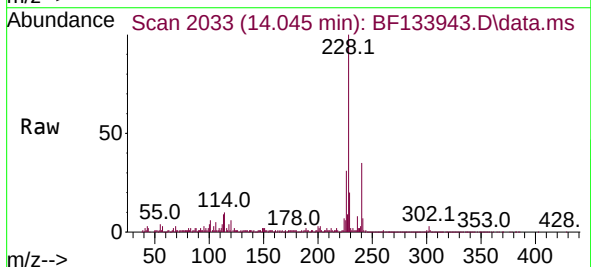
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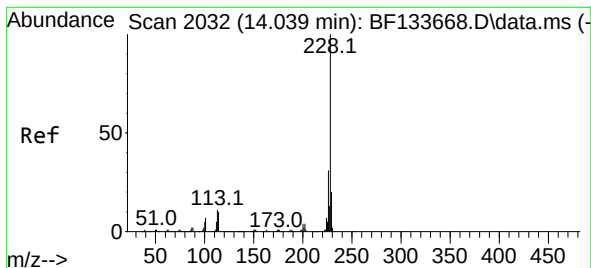
Reviewed By :Yogesh Patel 06/26/2023
 Supervised By :mohammad ahmed 06/27/2023



#81
 Benzo(a)anthracene
 Concen: 11.382 ng
 RT: 14.045 min Scan# 2033
 Delta R.T. -0.000 min
 Lab File: BF133943.D
 Acq: 23 Jun 2023 15:11

Tgt Ion:228 Resp: 155791
 Ion Ratio Lower Upper
 228 100
 226 30.8 21.7 32.5
 229 19.6 15.4 23.2





#83

Chrysene

Concen: 10.542 ng

RT: 14.080 min Scan# 2032

Delta R.T. -0.000 min

Lab File: BF133943.D

Acq: 23 Jun 2023 15:11

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW03-0-8

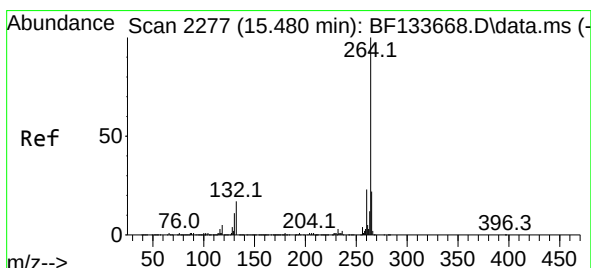
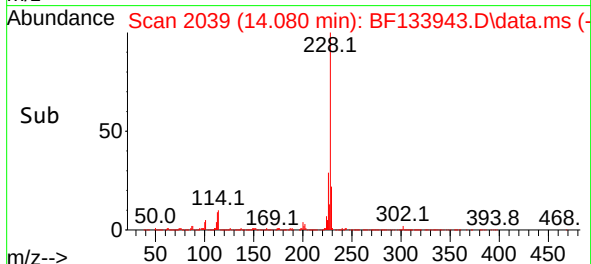
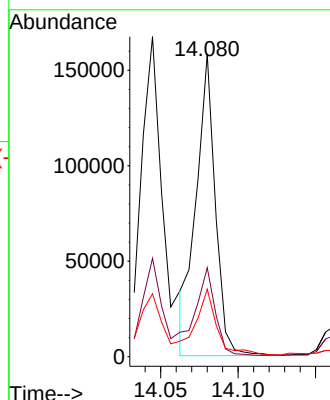
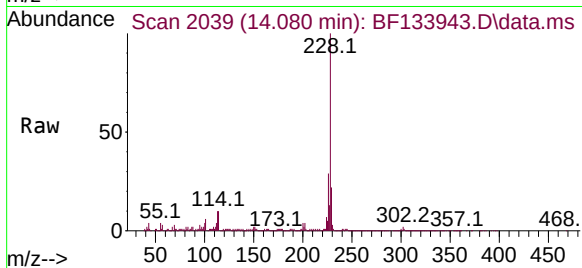
Tgt Ion:228 Resp: 136470
 Ion Ratio Lower Upper
 228 100
 226 29.4 25.0 37.6
 229 22.3 15.8 23.8

Manual Integrations

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Reviewed By :Yogesh Patel 06/26/2023

Supervised By :mohammad ahmed 06/27/2023



#86

Perylene-d12

Concen: 20.000 ng

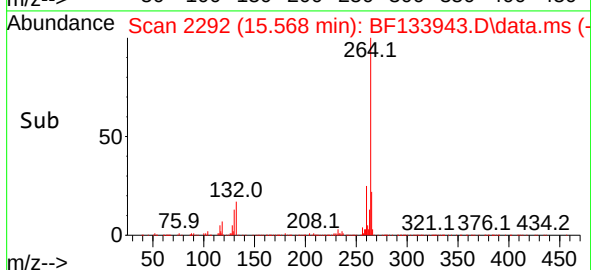
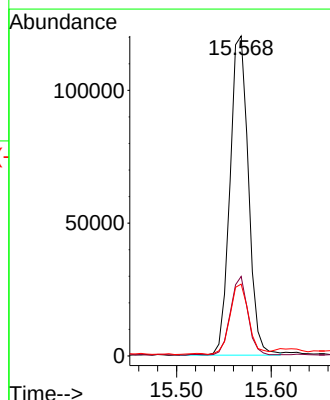
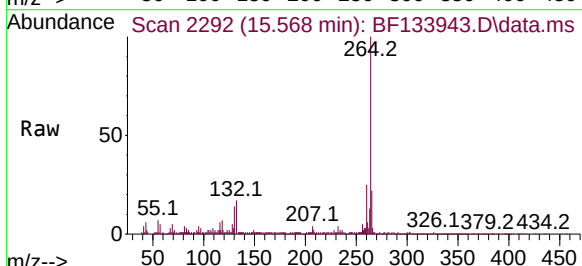
RT: 15.568 min Scan# 2292

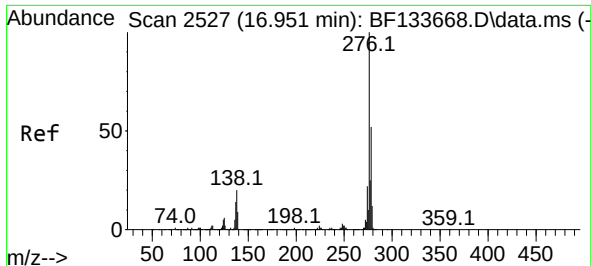
Delta R.T. 0.006 min

Lab File: BF133943.D

Acq: 23 Jun 2023 15:11

Tgt Ion:264 Resp: 162904
 Ion Ratio Lower Upper
 264 100
 260 24.9 18.2 27.2
 265 22.5 17.8 26.6





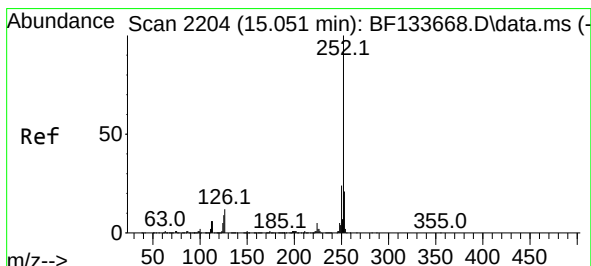
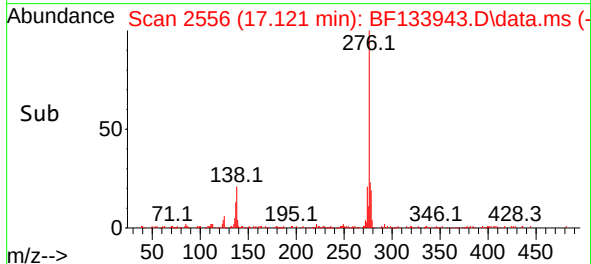
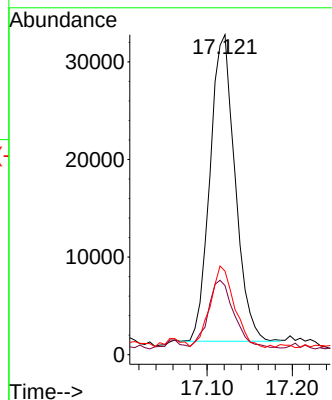
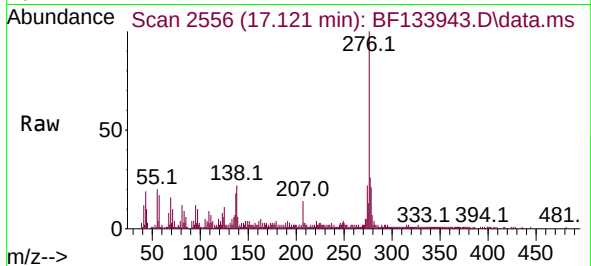
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.726 ng
RT: 17.121 min Scan# 2116
Delta R.T. -0.000 min
Lab File: BF133943.D
Acq: 23 Jun 2023 15:11

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW03-0-8

Tgt Ion:276 Resp: 6417
Ion Ratio Lower Upper
276 100
138 24.3 17.9 26.9
277 26.3 20.3 30.5

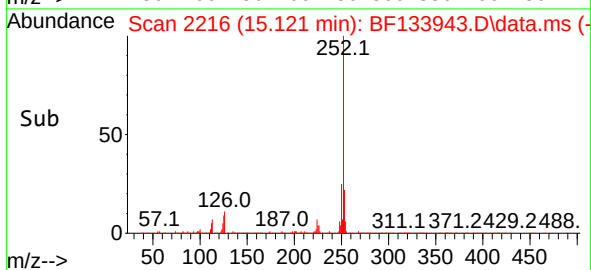
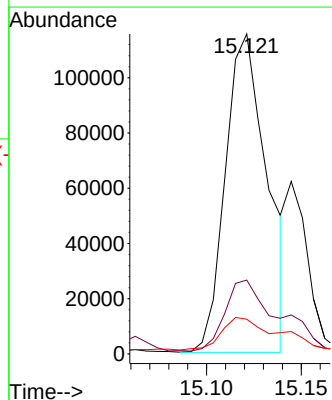
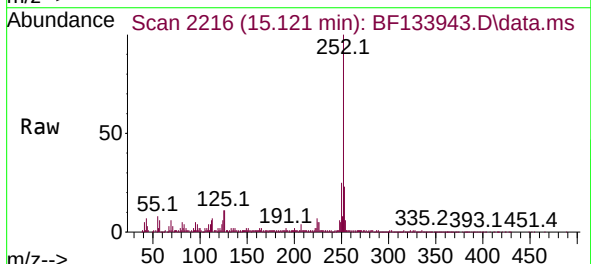
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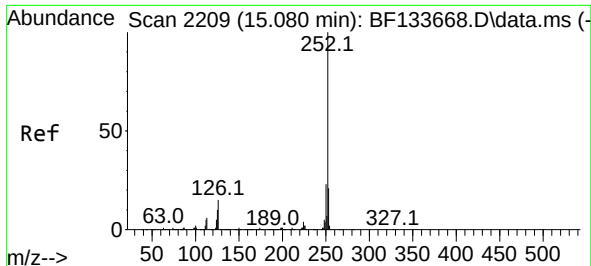
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023



#88
Benzo(b)fluoranthene
Concen: 17.821 ng m
RT: 15.121 min Scan# 2216
Delta R.T. 0.006 min
Lab File: BF133943.D
Acq: 23 Jun 2023 15:11

Tgt Ion:252 Resp: 176350
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.6
125 10.8 7.3 10.9





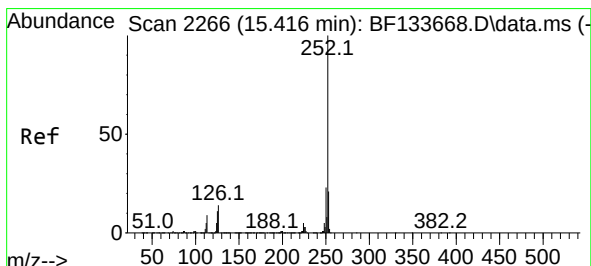
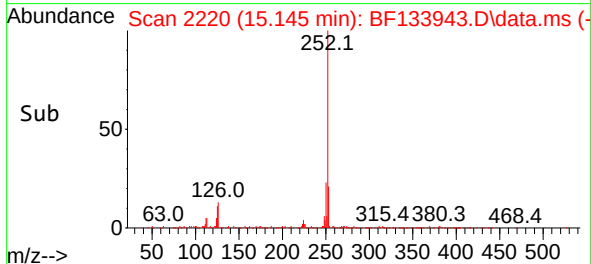
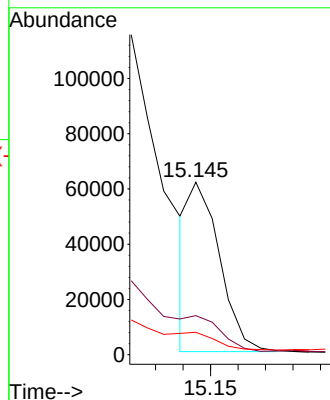
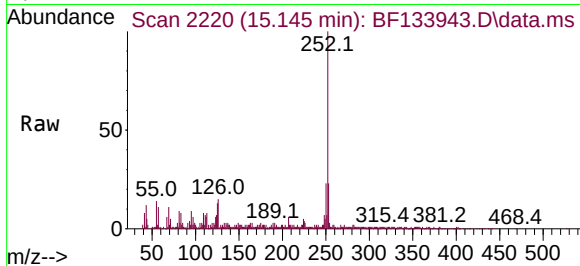
#89
Benzo(k)fluoranthene
Concen: 4.922 ng m
RT: 15.145 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF133943.D
Acq: 23 Jun 2023 15:11

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW03-0-8

Tgt Ion:252 Resp: 4744
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.4
125 13.0 7.8 11.6

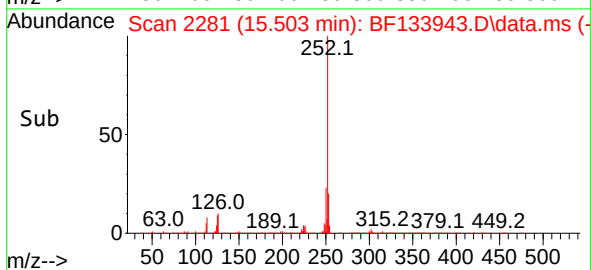
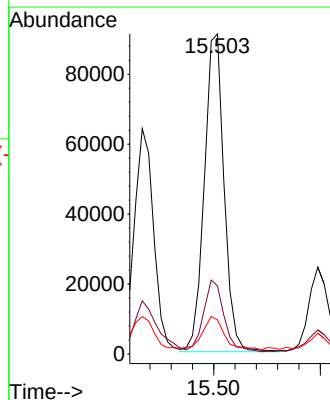
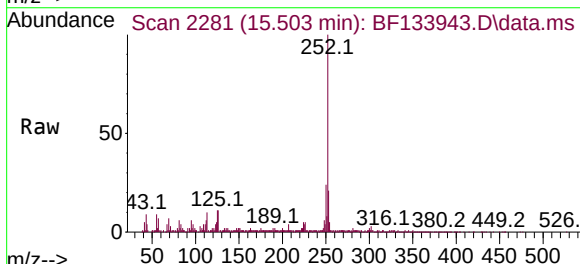
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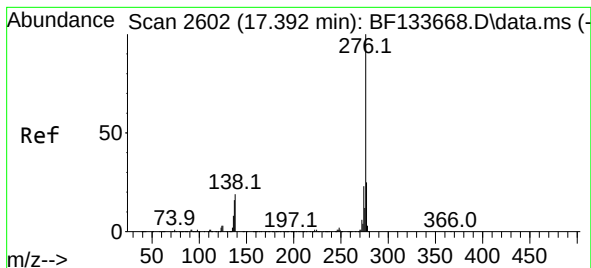
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023



#90
Benzo(a)pyrene
Concen: 12.790 ng
RT: 15.503 min Scan# 2281
Delta R.T. 0.006 min
Lab File: BF133943.D
Acq: 23 Jun 2023 15:11

Tgt Ion:252 Resp: 117460
Ion Ratio Lower Upper
252 100
253 21.3 17.1 25.7
125 10.7 8.6 13.0





#92

Benzo(g,h,i)perylene

Concen: 6.003 ng

RT: 17.592 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF133943.D

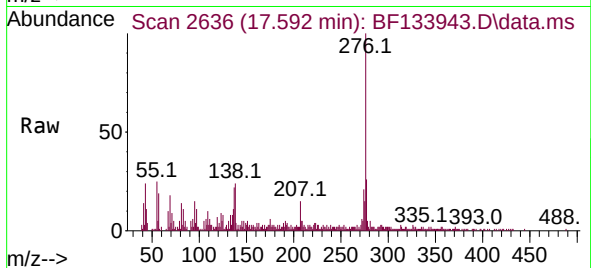
Acq: 23 Jun 2023 15:11

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW03-0-8



Tgt Ion:276 Resp: 5522

Ion Ratio Lower Upper

276 100

277 26.2 19.8 29.8

138 23.9 15.0 22.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2023

Supervised By :mohammad ahmed 06/27/2023

