

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
 Data File : BF133818.D
 Acq On : 16 Jun 2023 21:21
 Operator : CG\JU
 Sample : 03109-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-COMP

Manual Integrations
 APPROVED

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

Quant Time: Jun 17 00:12:34 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	88381	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	312007	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	133046	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	256912	20.000	ng	0.00
76) Chrysene-d12	14.051	240	172820	20.000	ng	0.00
86) Perylene-d12	15.557	264	127770	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	163888	32.282	ng	0.00
7) Phenol-d6	6.492	99	194208	29.389	ng	0.00
23) Nitrobenzene-d5	7.422	82	118131	20.622	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	43169	25.633	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	242159	25.873	ng	0.00
79) Terphenyl-d14	12.986	244	226398	20.271	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	123673	9.488	ng	98
72) Anthracene	11.469	178	35779	2.633	ng	99
75) Fluoranthene	12.610	202	239868	17.329	ng	99
78) Pyrene	12.845	202	237306	14.741	ng	98
81) Benzo(a)anthracene	14.039	228	114857	9.608	ng	93
83) Chrysene	14.074	228	98110	8.677	ng	96
87) Indeno(1,2,3-cd)pyrene	17.103	276	39383	4.480	ng	99
88) Benzo(b)fluoranthene	15.110	252	102730m	13.236	ng	
89) Benzo(k)fluoranthene	15.139	252	23122m	3.058	ng	
90) Benzo(a)pyrene	15.492	252	59640	8.280	ng	# 92
92) Benzo(g,h,i)perylene	17.580	276	35086	4.863	ng	99

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

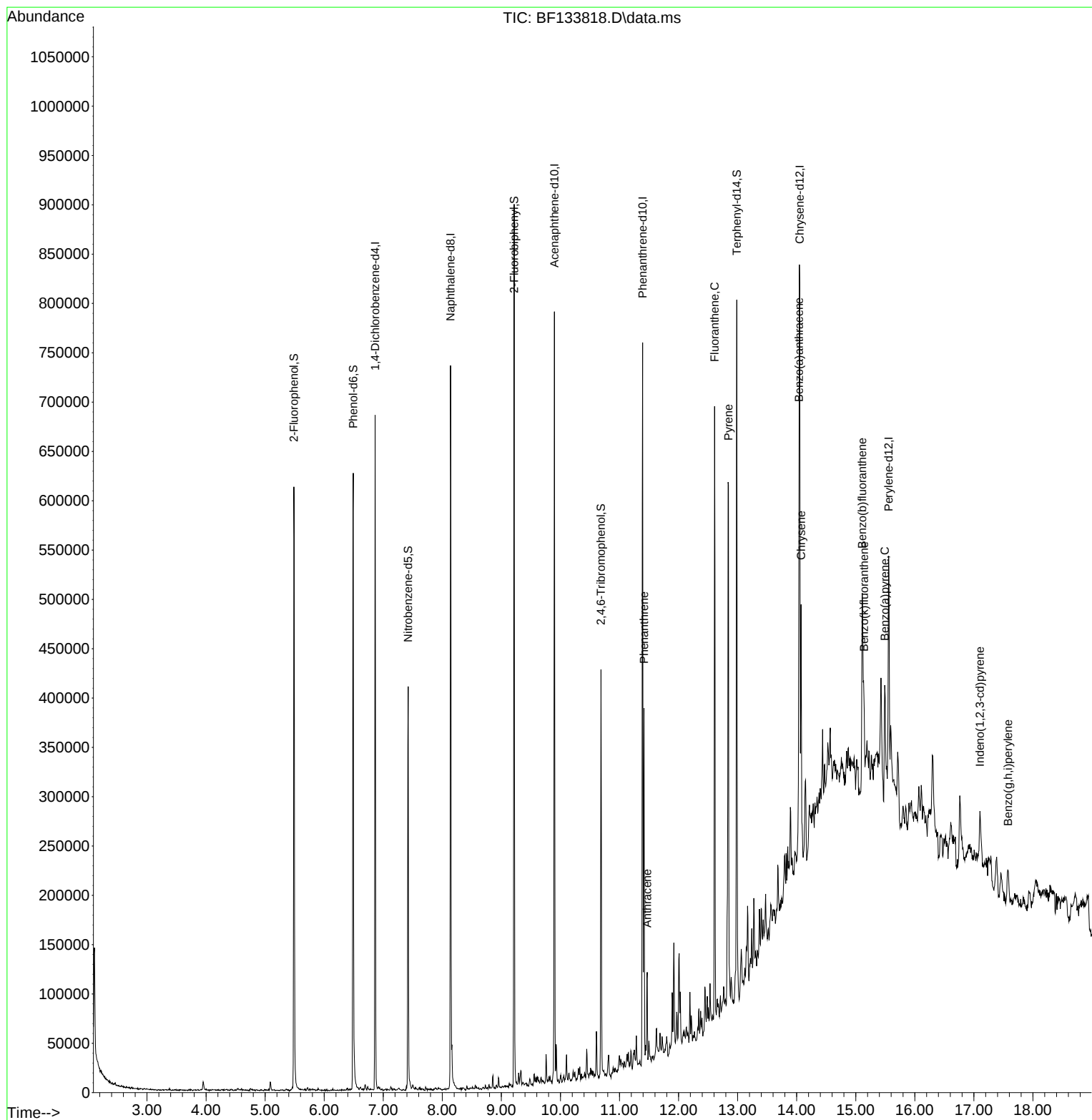
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
Data File : BF133818.D
Acq On : 16 Jun 2023 21:21
Operator : CG\JU
Sample : 03109-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

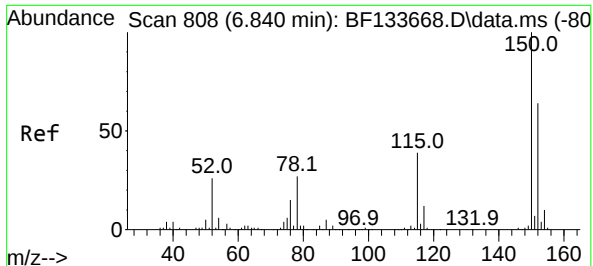
Instrument :
BNA_F
ClientSampleId :
SP-1-COMP

Quant Time: Jun 17 00:12:34 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

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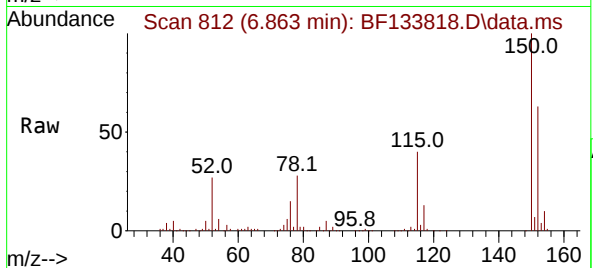
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.000 min
Lab File: BF133818.D
Acq: 16 Jun 2023 21:21

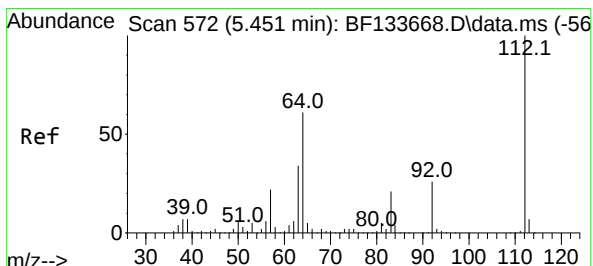
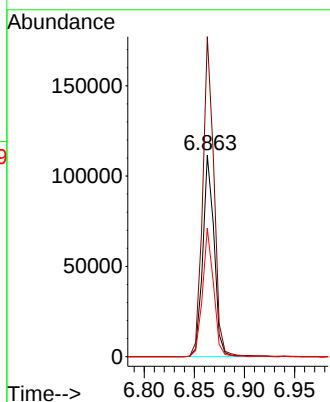
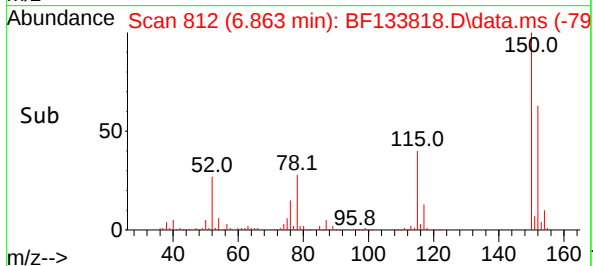
Instrument :
BNA_F
ClientSampleId :
SP-1-COMP



Tgt Ion:152 Resp: 8838
Ion Ratio Lower Upper
152 100
150 159.0 124.3 186.5
115 63.7 48.5 72.7

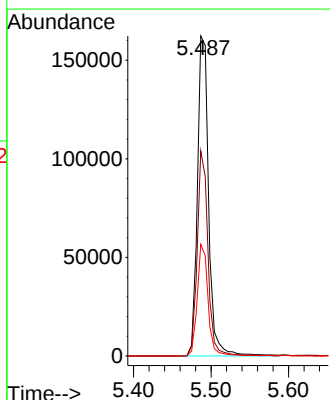
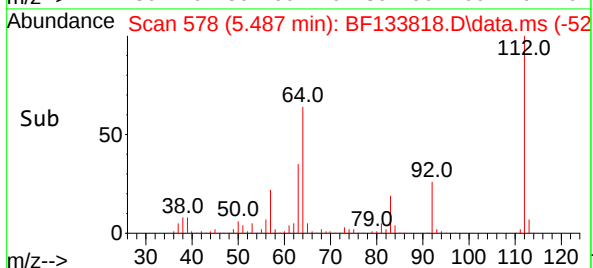
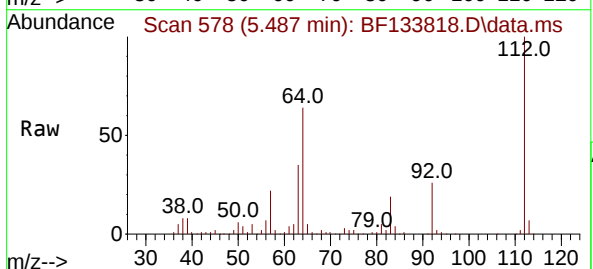
Manual Integrations
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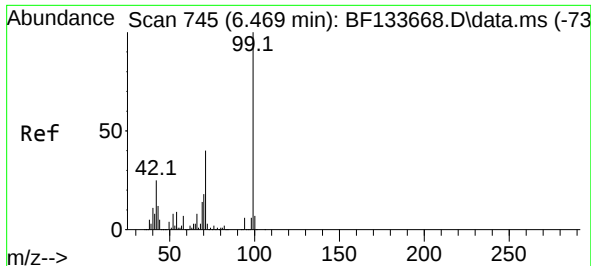
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#5
2-Fluorophenol
Concen: 32.282 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF133818.D
Acq: 16 Jun 2023 21:21

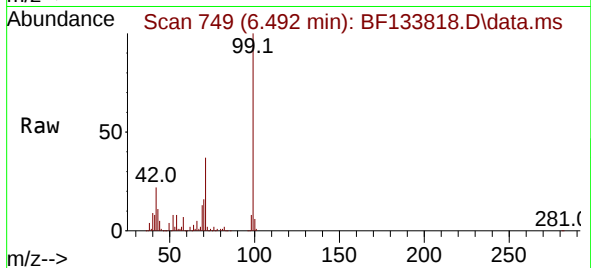
Tgt Ion:112 Resp: 163888
Ion Ratio Lower Upper
112 100
64 64.1 49.0 73.4
63 34.9 26.8 40.2





#7
Phenol-d6
Concen: 29.389 ng
RT: 6.492 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF133818.D
Acq: 16 Jun 2023 21:21

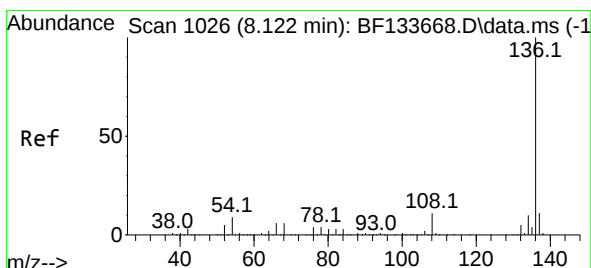
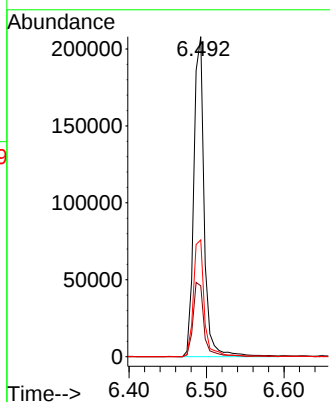
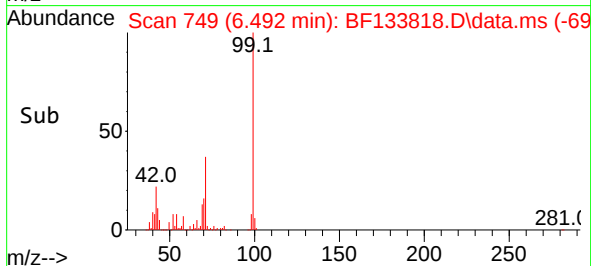
Instrument :
BNA_F
ClientSampleId :
SP-1-COMP



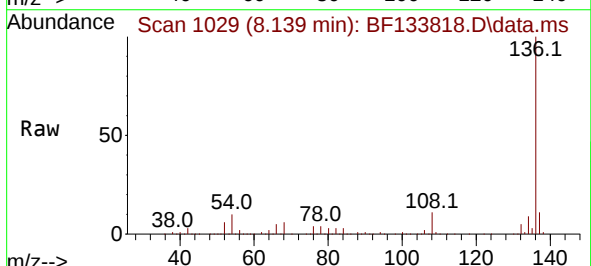
Tgt Ion: 99 Resp: 194208
Ion Ratio Lower Upper
99 100
42 22.1 19.9 29.9
71 36.5 32.2 48.4

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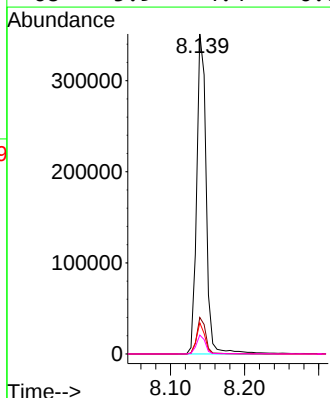
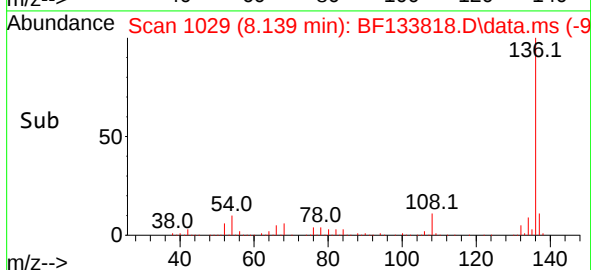
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023

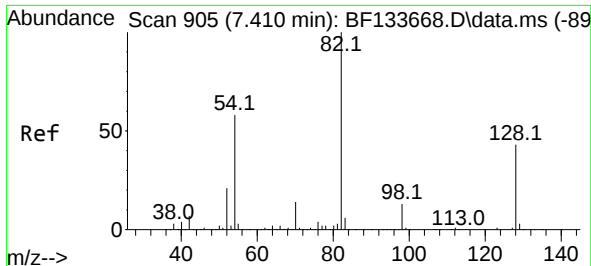


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF133818.D
Acq: 16 Jun 2023 21:21



Tgt Ion:136 Resp: 312007
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 9.7 7.4 11.0
68 5.9 4.4 6.6





#23

Nitrobenzene-d5

Concen: 20.622 ng

RT: 7.422 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF133818.D

Acq: 16 Jun 2023 21:21

Instrument :

BNA_F

ClientSampleId :

SP-1-COMP

Tgt Ion: 82 Resp: 11813

Ion Ratio Lower Upper

82 100

128 43.7 34.2 51.2

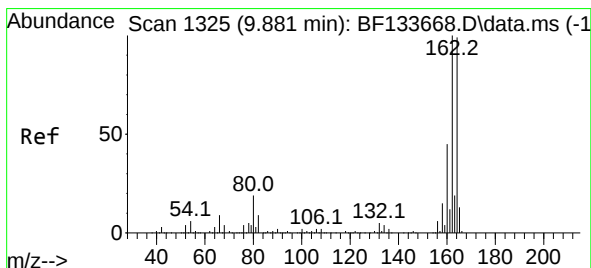
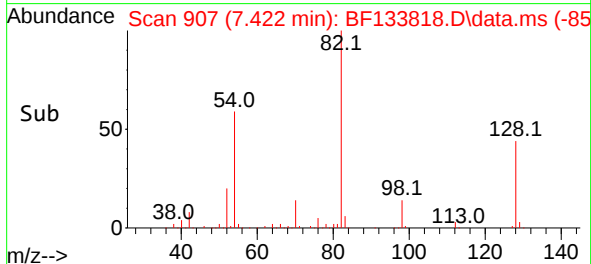
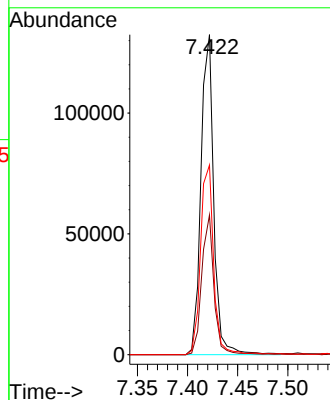
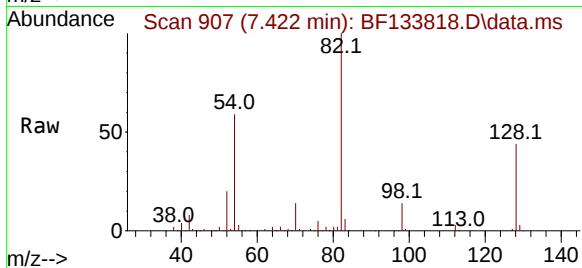
54 59.2 46.5 69.7

Manual Integrations

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Reviewed By :Yogesh Patel 06/19/2023

Supervised By :mohammad ahmed 06/20/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1328

Delta R.T. -0.006 min

Lab File: BF133818.D

Acq: 16 Jun 2023 21:21

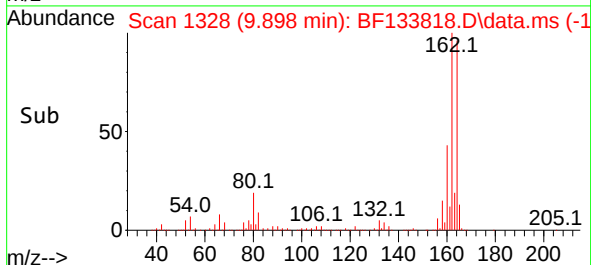
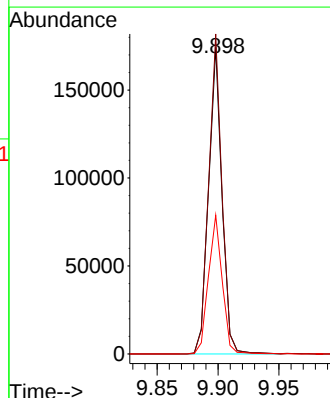
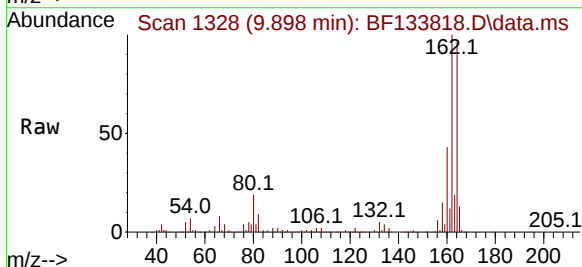
Tgt Ion:164 Resp: 133046

Ion Ratio Lower Upper

164 100

162 104.4 80.8 121.2

160 45.3 36.7 55.1





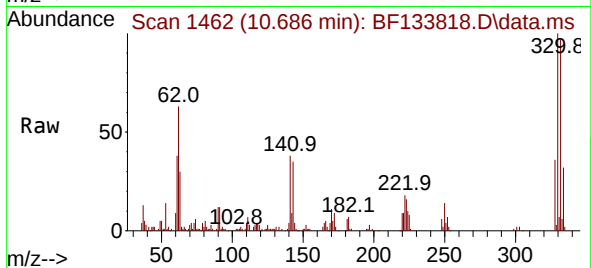
#42
2,4,6-Tribromophenol
Concen: 25.633 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF133818.D
Acq: 16 Jun 2023 21:21

Instrument :

BNA_F

ClientSampleId :

SP-1-COMP



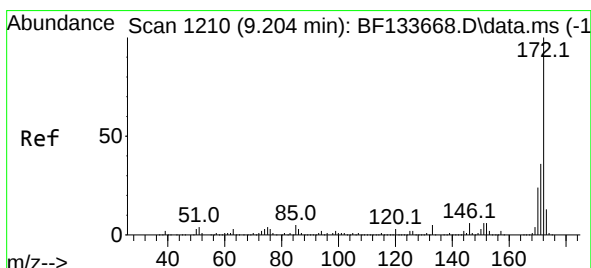
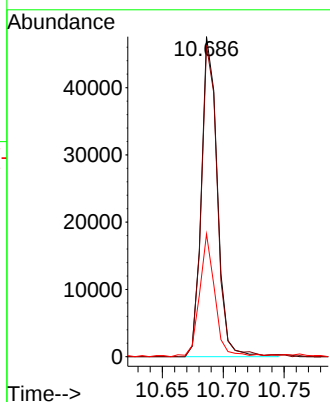
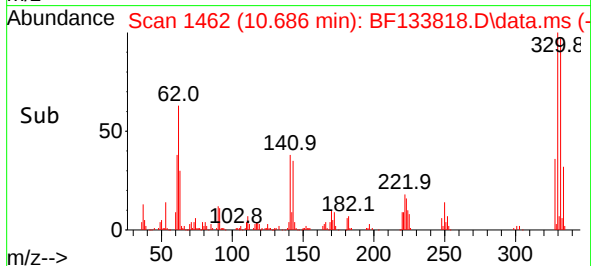
Tgt Ion:330 Resp: 43169
Ion Ratio Lower Upper
330 100
332 97.4 77.2 115.8
141 37.4 24.9 37.3

Manual Integrations

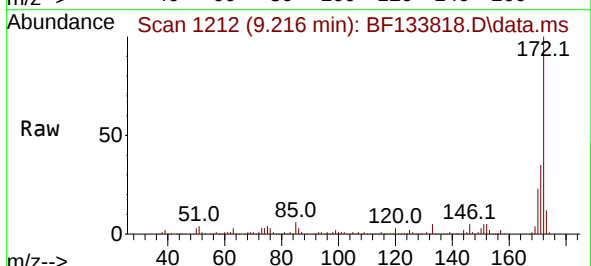
APPROVED

Reviewed By :Yogesh Patel 06/19/2023

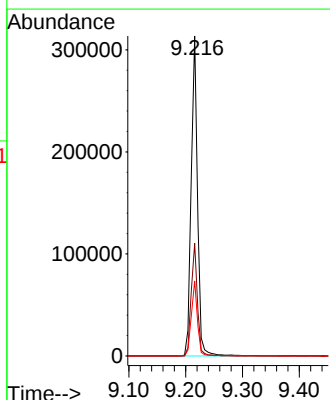
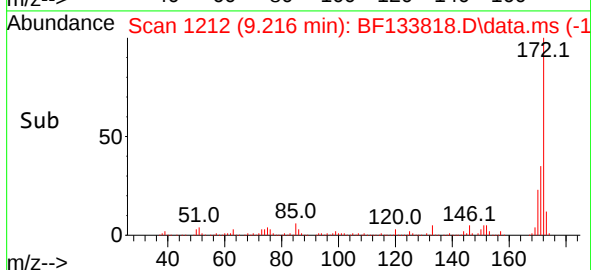
Supervised By :mohammad ahmed 06/20/2023



#45
2-Fluorobiphenyl
Concen: 25.873 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF133818.D
Acq: 16 Jun 2023 21:21



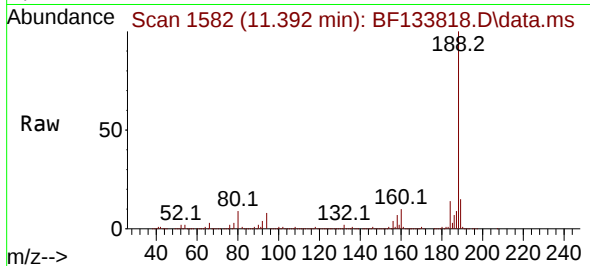
Tgt Ion:172 Resp: 242159
Ion Ratio Lower Upper
172 100
171 35.2 28.6 43.0
170 23.4 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF133818.D
Acq: 16 Jun 2023 21:21

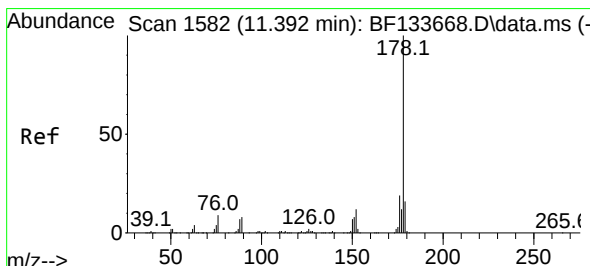
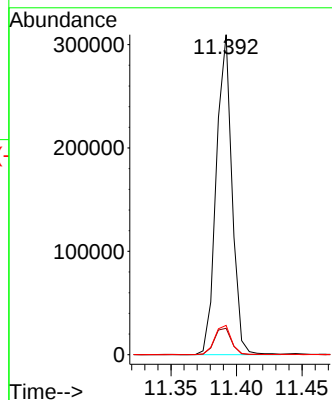
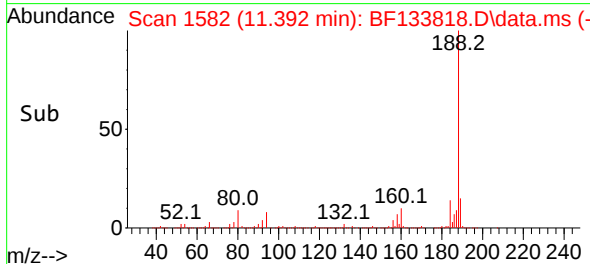
Instrument :
BNA_F
ClientSampleId :
SP-1-COMP



Tgt Ion:188 Resp: 256912
Ion Ratio Lower Upper
188 100
94 8.2 6.8 10.2
80 9.1 7.8 11.6

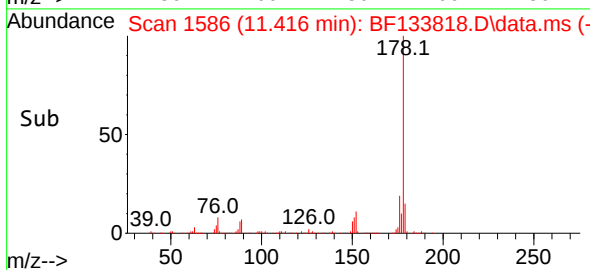
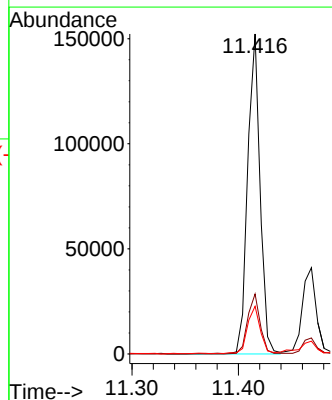
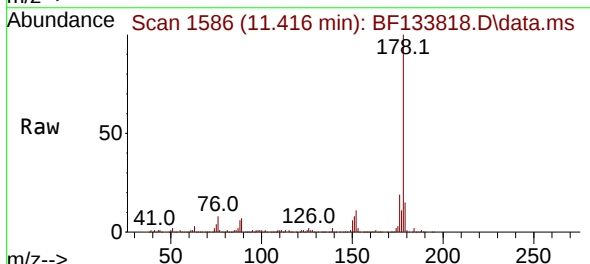
Manual Integrations
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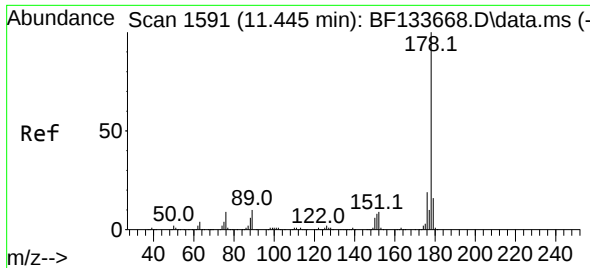
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#71
Phenanthrene
Concen: 9.488 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF133818.D
Acq: 16 Jun 2023 21:21

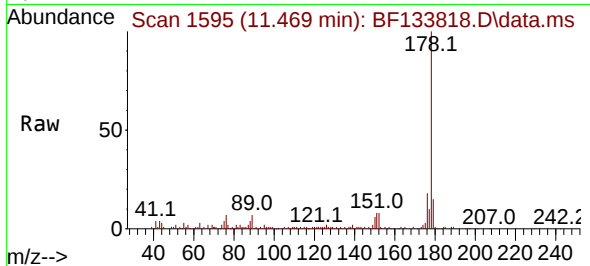
Tgt Ion:178 Resp: 123673
Ion Ratio Lower Upper
178 100
176 18.7 15.6 23.4
179 14.9 12.4 18.6





#72
 Anthracene
 Concen: 2.633 ng
 RT: 11.469 min Scan# 1591
 Delta R.T. -0.000 min
 Lab File: BF133818.D
 Acq: 16 Jun 2023 21:21

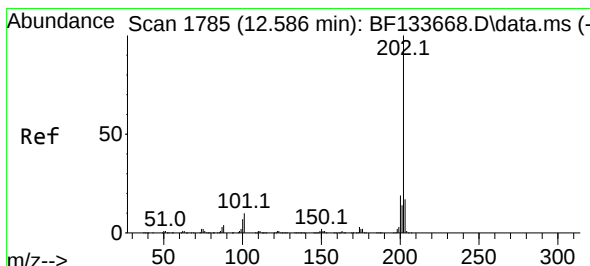
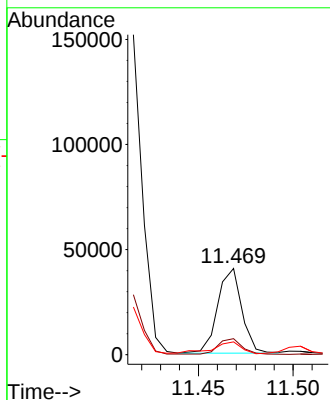
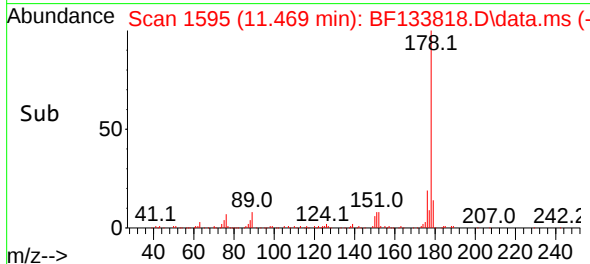
Instrument :
 BNA_F
 ClientSampleId :
 SP-1-COMP



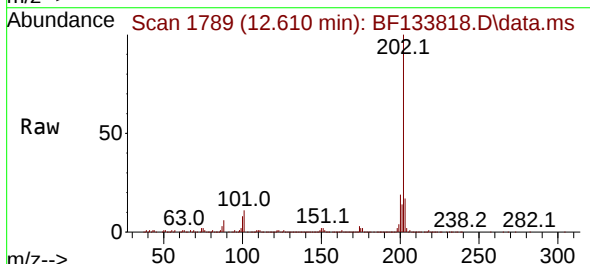
Tgt Ion:178 Resp: 35779
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.1 22.7
 179 14.9 12.6 18.8

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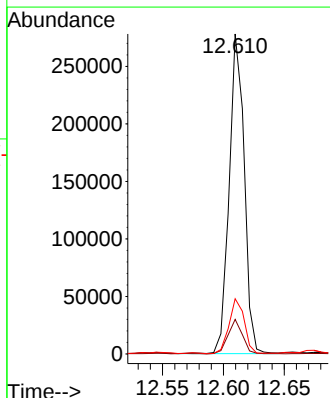
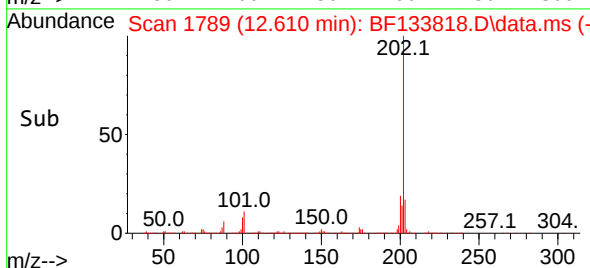
Reviewed By :Yogesh Patel 06/19/2023
 Supervised By :mohammad ahmed 06/20/2023

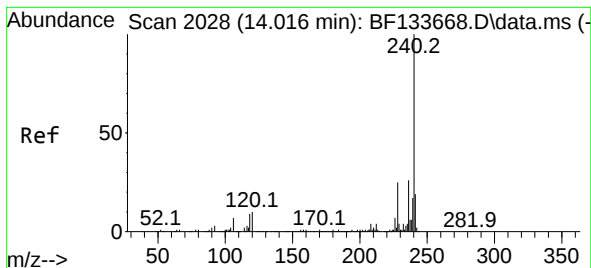


#75
 Fluoranthene
 Concen: 17.329 ng
 RT: 12.610 min Scan# 1789
 Delta R.T. -0.006 min
 Lab File: BF133818.D
 Acq: 16 Jun 2023 21:21



Tgt Ion:202 Resp: 239868
 Ion Ratio Lower Upper
 202 100
 101 10.8 0.0 29.6
 203 17.3 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: BF133818.D

Acq: 16 Jun 2023 21:21

Instrument :

BNA_F

ClientSampleId :

SP-1-COMP

Tgt Ion:240 Resp: 172820

Ion Ratio Lower Upper

240 100

120 9.8 8.1 12.1

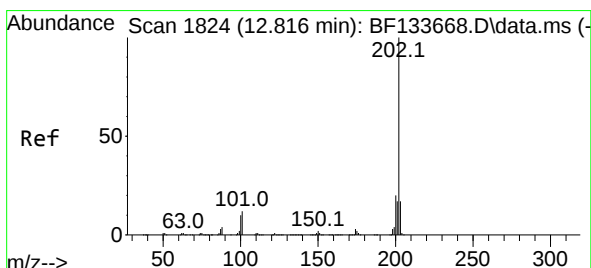
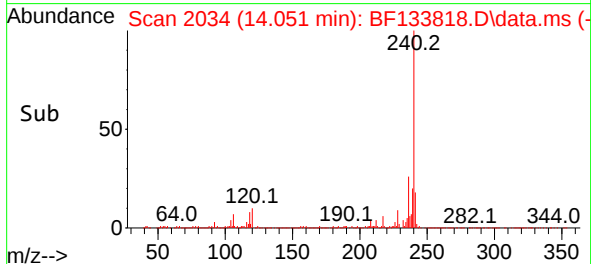
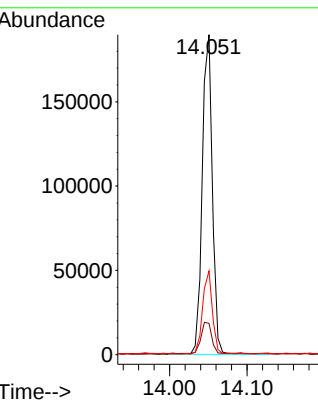
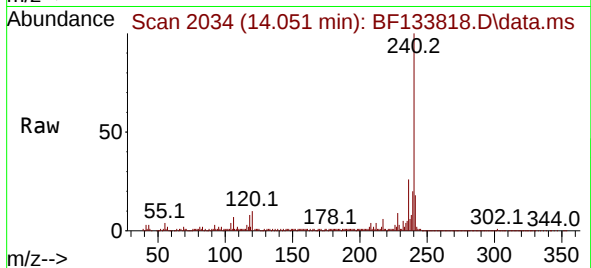
236 26.1 20.5 30.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/19/2023

Supervised By :mohammad ahmed 06/20/2023



#78

Pyrene

Concen: 14.741 ng

RT: 12.845 min Scan# 1829

Delta R.T. -0.000 min

Lab File: BF133818.D

Acq: 16 Jun 2023 21:21

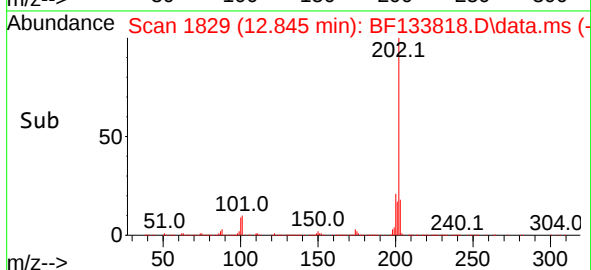
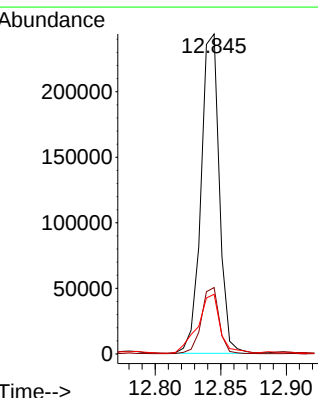
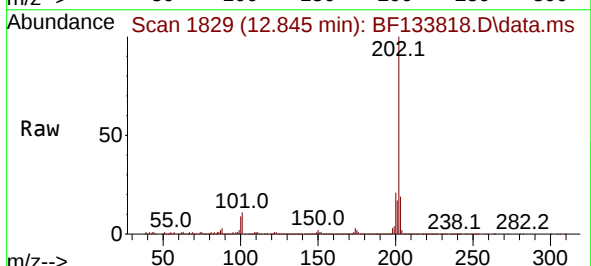
Tgt Ion:202 Resp: 237306

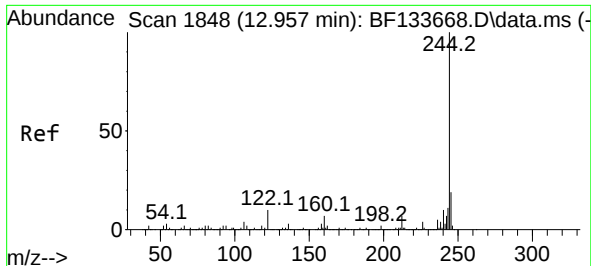
Ion Ratio Lower Upper

202 100

200 20.8 16.2 24.2

203 18.7 13.9 20.9





#79
 Terphenyl-d14
 Concen: 20.271 ng
 RT: 12.986 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF133818.D
 Acq: 16 Jun 2023 21:21

Instrument :

BNA_F

ClientSampleId :

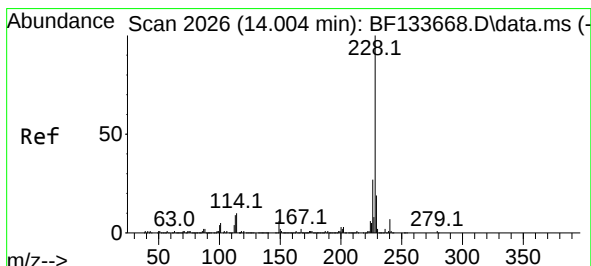
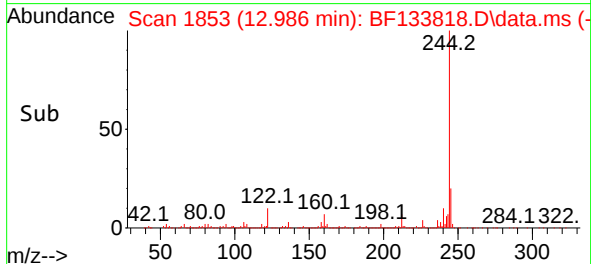
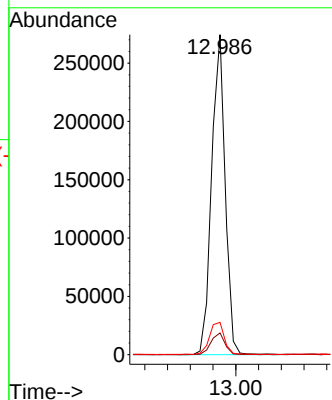
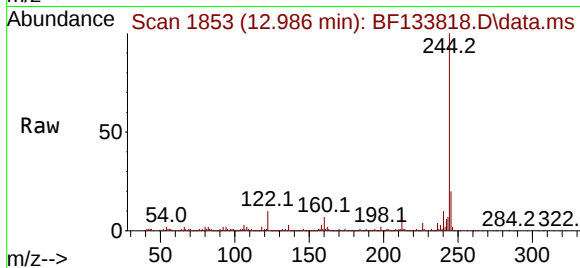
SP-1-COMP

Tgt Ion:244 Resp: 226398
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 10.1 8.1 12.1

Manual Integrations

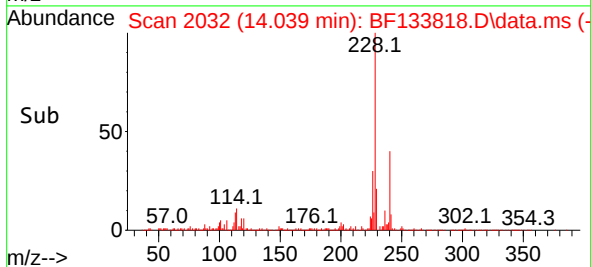
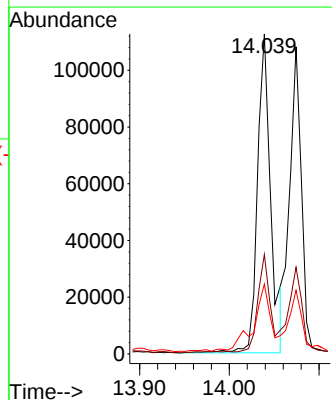
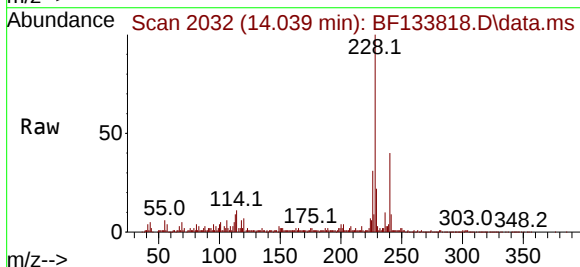
APPROVED

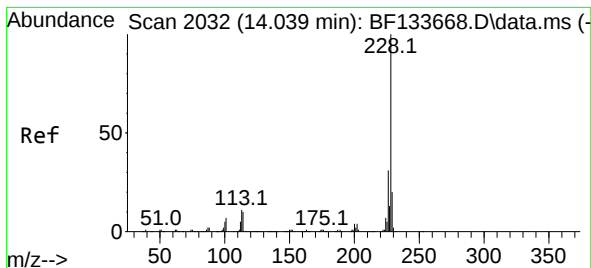
Reviewed By :Yogesh Patel 06/19/2023
 Supervised By :mohammad ahmed 06/20/2023



#81
 Benzo(a)anthracene
 Concen: 9.608 ng
 RT: 14.039 min Scan# 2032
 Delta R.T. -0.006 min
 Lab File: BF133818.D
 Acq: 16 Jun 2023 21:21

Tgt Ion:228 Resp: 114857
 Ion Ratio Lower Upper
 228 100
 226 31.1 21.7 32.5
 229 21.9 15.4 23.2





#83

Chrysene

Concen: 8.677 ng

RT: 14.074 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF133818.D

Acq: 16 Jun 2023 21:21

Instrument :

BNA_F

ClientSampleId :

SP-1-COMP

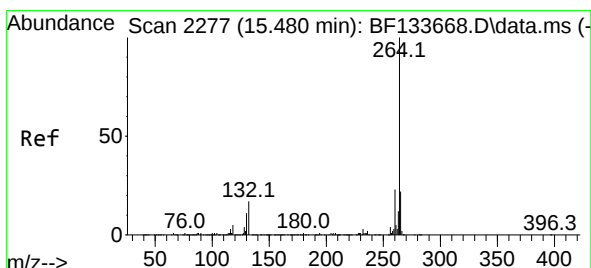
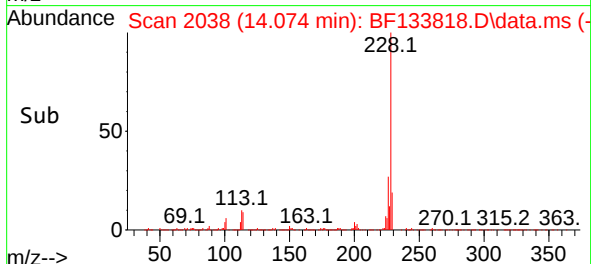
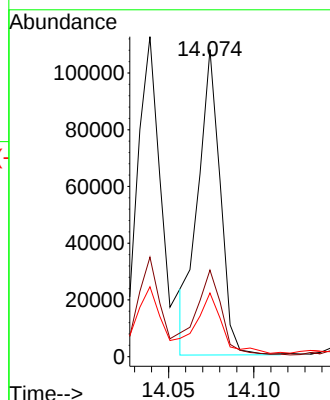
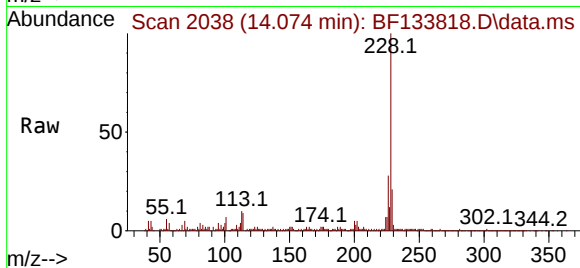
Tgt Ion:228	Resp:	98110
Ion Ratio	Lower	Upper
228	100	
226	28.2	25.0 37.6
229	20.7	15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/19/2023

Supervised By :mohammad ahmed 06/20/2023



#86

Perylene-d12

Concen: 20.000 ng

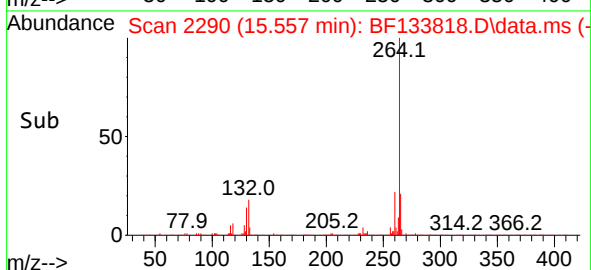
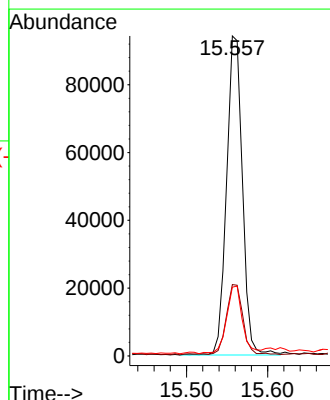
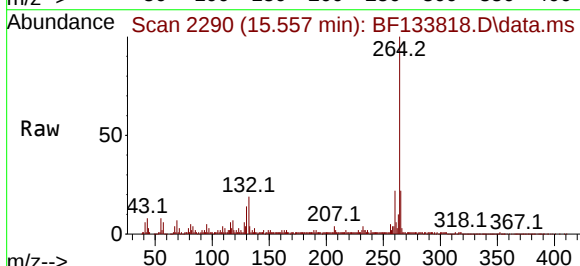
RT: 15.557 min Scan# 2290

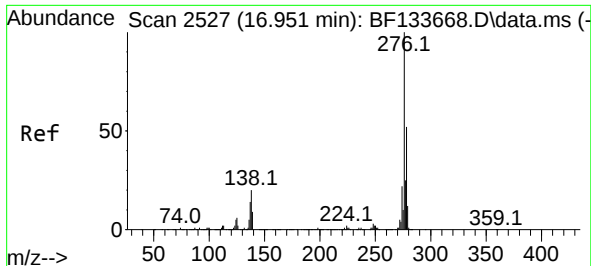
Delta R.T. -0.006 min

Lab File: BF133818.D

Acq: 16 Jun 2023 21:21

Tgt Ion:264	Resp:	127770
Ion Ratio	Lower	Upper
264	100	
260	22.3	18.2 27.2
265	21.5	17.8 26.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.480 ng
RT: 17.103 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF133818.D
Acq: 16 Jun 2023 21:21

Instrument :

BNA_F

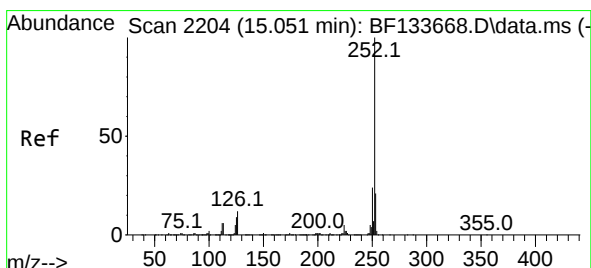
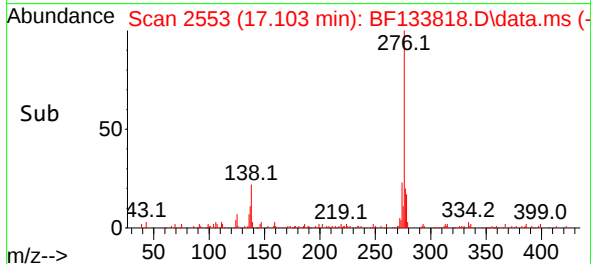
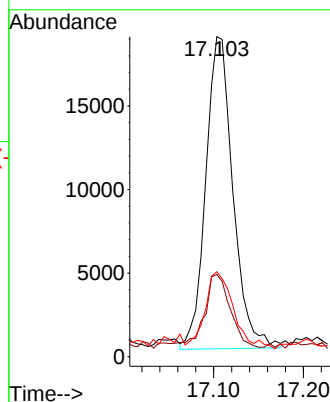
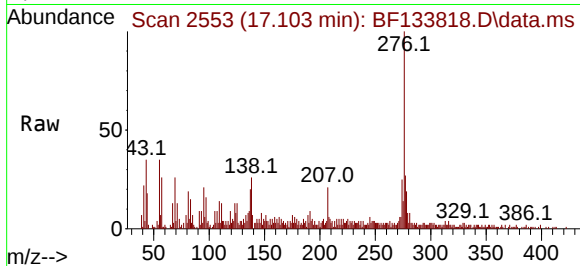
ClientSampleId :

SP-1-COMP

Tgt Ion:276 Resp: 3938
Ion Ratio Lower Upper
276 100
138 21.9 17.9 26.9
277 25.9 20.3 30.5

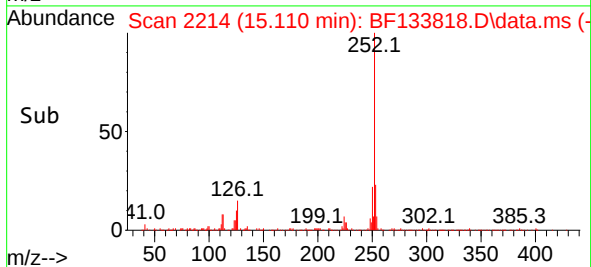
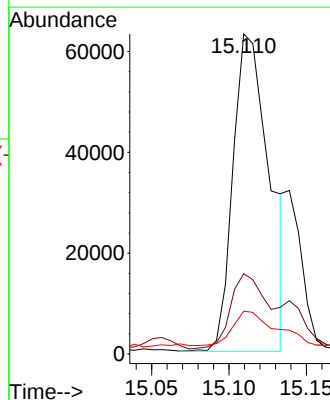
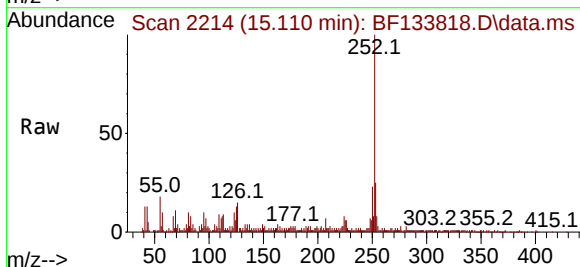
Manual Integrations
APPROVED

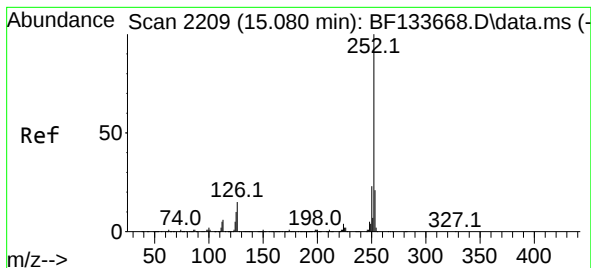
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#88
Benzo(b)fluoranthene
Concen: 13.236 ng m
RT: 15.110 min Scan# 2214
Delta R.T. -0.006 min
Lab File: BF133818.D
Acq: 16 Jun 2023 21:21

Tgt Ion:252 Resp: 102730
Ion Ratio Lower Upper
252 100
253 25.1 17.0 25.6
125 13.4 7.3 10.9#





#89

Benzo(k)fluoranthene

Concen: 3.058 ng m

RT: 15.139 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133818.D

Acq: 16 Jun 2023 21:21

Instrument :

BNA_F

ClientSampleId :

SP-1-COMP

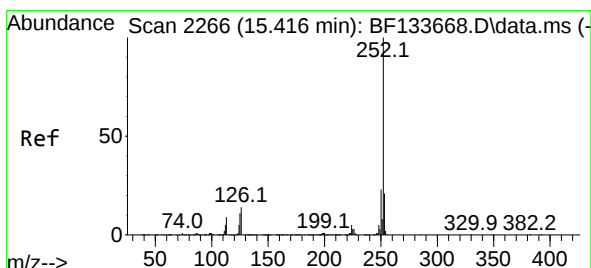
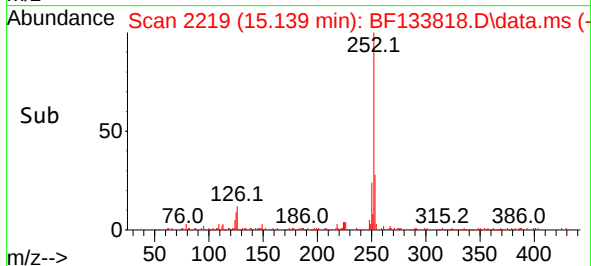
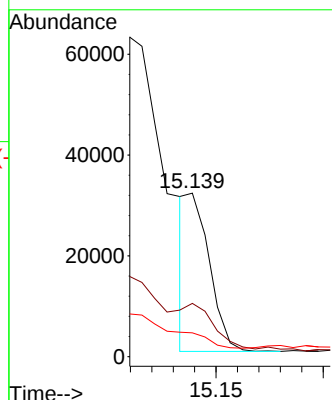
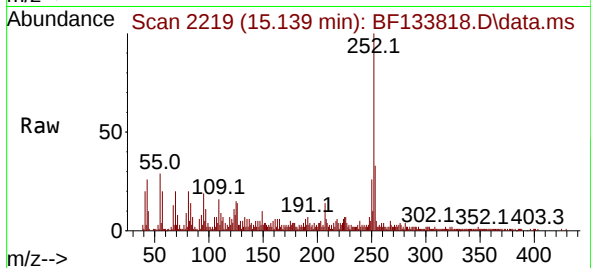
Tgt Ion:	252	Resp:	2312
Ion Ratio	Lower	Upper	
252	100		
253	32.6	17.0	25.4
125	14.6	7.8	11.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/19/2023

Supervised By :mohammad ahmed 06/20/2023



#90

Benzo(a)pyrene

Concen: 8.280 ng

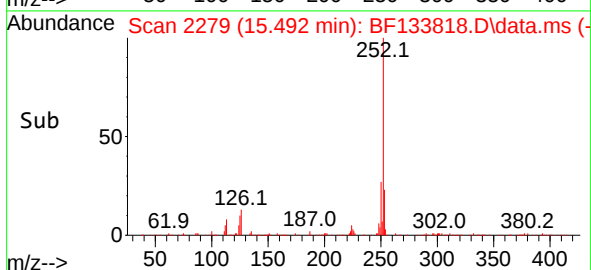
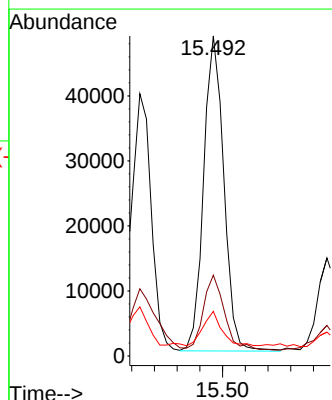
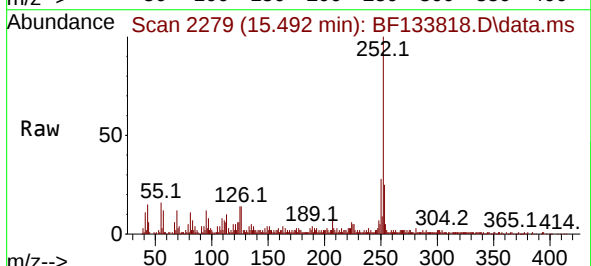
RT: 15.492 min Scan# 2279

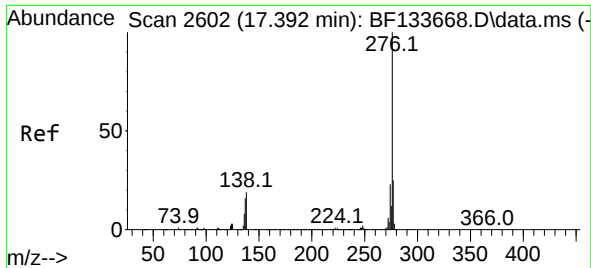
Delta R.T. -0.006 min

Lab File: BF133818.D

Acq: 16 Jun 2023 21:21

Tgt Ion:	252	Resp:	59640
Ion Ratio	Lower	Upper	
252	100		
253	25.3	17.1	25.7
125	14.0	8.6	13.0





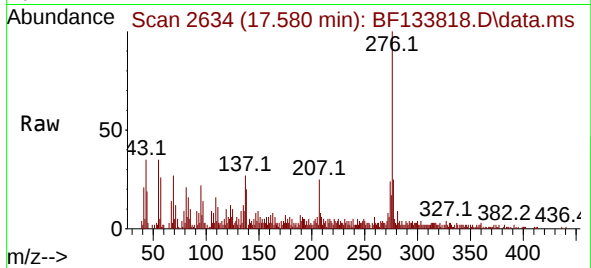
#92
 Benzo(g,h,i)perylene
 Concen: 4.863 ng
 RT: 17.580 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: BF133818.D
 Acq: 16 Jun 2023 21:21

Instrument :

BNA_F

ClientSampleId :

SP-1-COMP



Tgt Ion:	276	Resp:	35080
Ion Ratio	Lower	Upper	
276	100		
277	24.8	19.8	29.8
138	19.6	15.0	22.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/19/2023

Supervised By :mohammad ahmed 06/20/2023

