

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
 Data File : BF134003.D
 Acq On : 27 Jun 2023 21:49
 Operator : CG\JU
 Sample : 03355-08 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-COMP

Quant Time: Jun 28 01:31:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 26 23:12:04 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/28/2023
 Supervised By :mohammad ahmed 06/29/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	106946	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	360979	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	155309	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	294189	20.000	ng	0.00
76) Chrysene-d12	14.051	240	165170	20.000	ng	0.00
86) Perylene-d12	15.557	264	115586	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	275061	43.023	ng	0.00
7) Phenol-d6	6.487	99	315131	40.080	ng	0.00
23) Nitrobenzene-d5	7.410	82	208167	31.086	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	70188	36.044	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	321705	30.116	ng	0.00
79) Terphenyl-d14	12.980	244	346353	33.749	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.751	152	75329	4.838	ng	97
58) Fluorene	10.439	166	29205	2.658	ng	98
71) Phenanthrene	11.410	178	419673	28.337	ng	98
72) Anthracene	11.463	178	521685	33.867	ng	100
73) Carbazole	11.616	167	37072	2.629	ng	98
75) Fluoranthene	12.610	202	1172737	73.246	ng	99
78) Pyrene	12.845	202	1258332	81.862	ng	99
81) Benzo(a)anthracene	14.039	228	460240	40.179	ng	97
83) Chrysene	14.074	228	417657	37.645	ng	97
84) Bis(2-ethylhexyl)phtha...	14.027	149	814155	122.905	ng	99
87) Indeno(1,2,3-cd)pyrene	17.104	276	119471	14.896	ng	# 95
88) Benzo(b)fluoranthene	15.115	252	355814m	52.352	ng	
89) Benzo(k)fluoranthene	15.139	252	110431m	15.958	ng	
90) Benzo(a)pyrene	15.498	252	231711	35.256	ng	99
91) Dibenzo(a,h)anthracene	17.115	278	33200	5.068	ng	# 83
92) Benzo(g,h,i)perylene	17.580	276	109816	16.255	ng	98

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

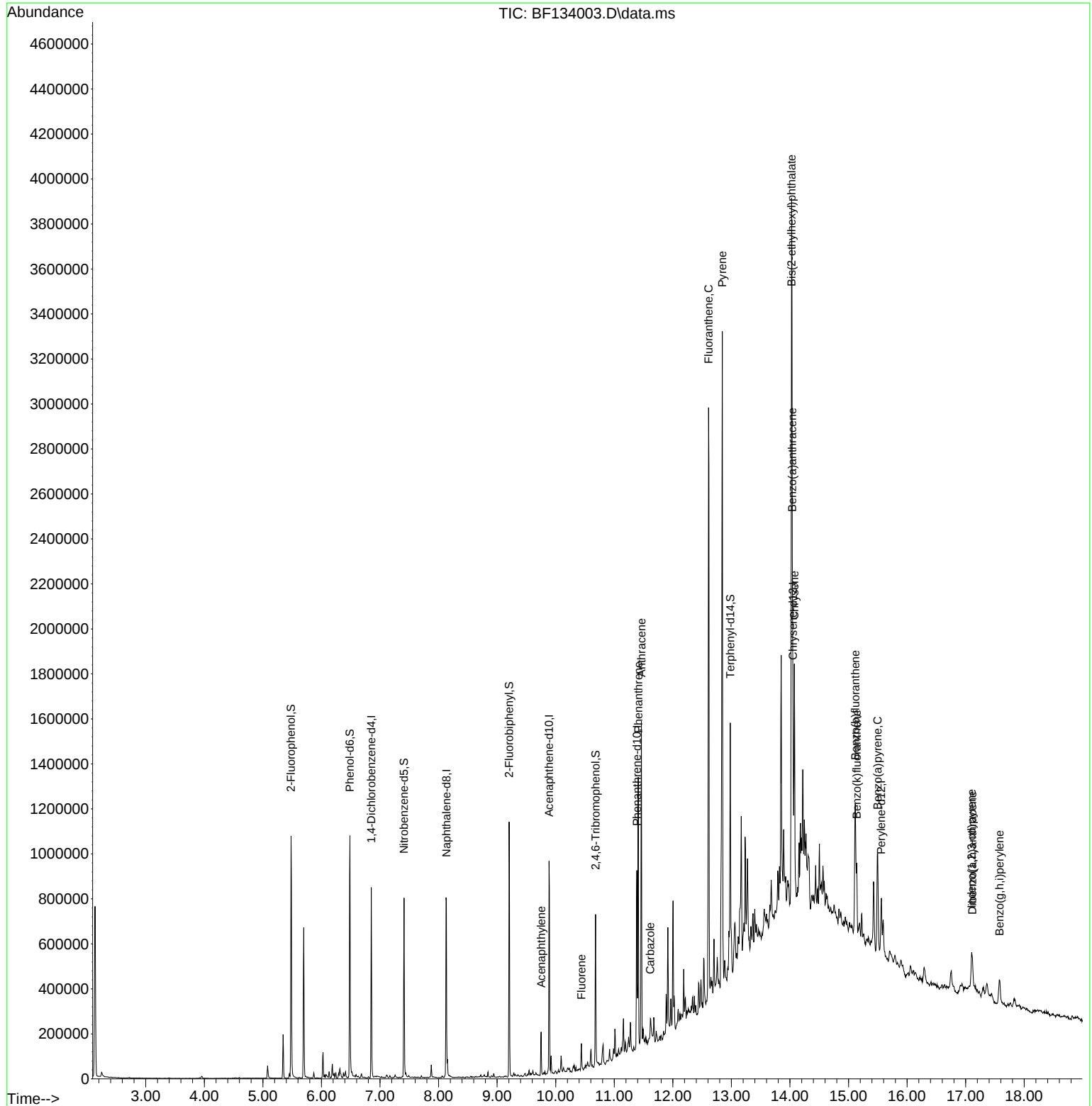
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
Data File : BF134003.D
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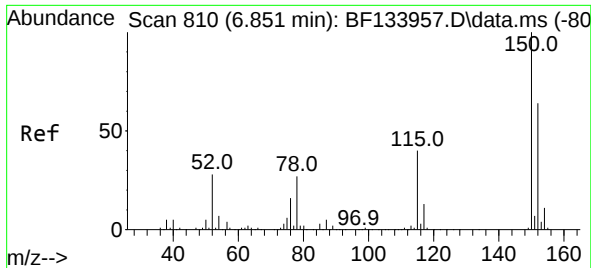
Instrument :
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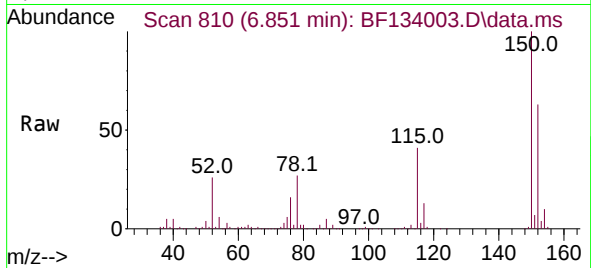
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF134003.D
Acq: 27 Jun 2023 21:49

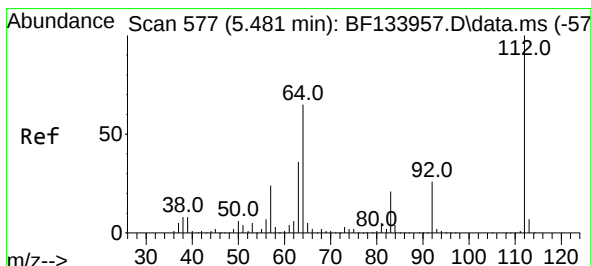
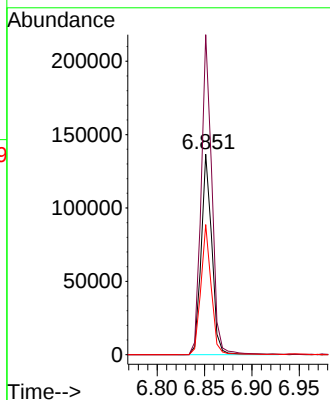
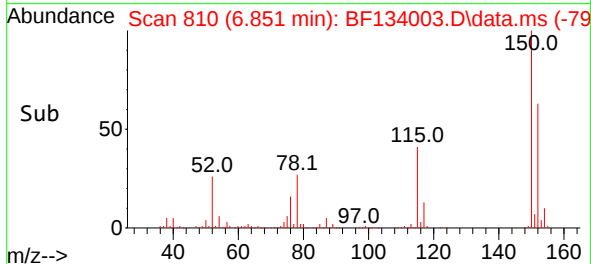
Instrument :
BNA_F
ClientSampleId :
SB-04-COMP



Tgt Ion:152 Resp: 106940
Ion Ratio Lower Upper
152 100
150 159.6 124.5 186.7
115 64.9 50.2 75.2

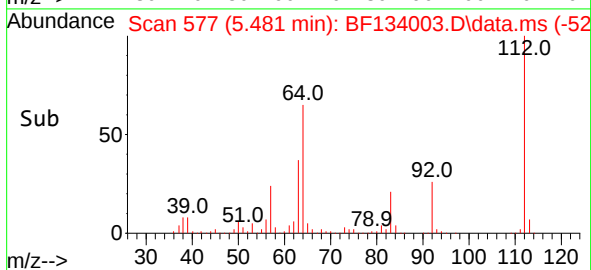
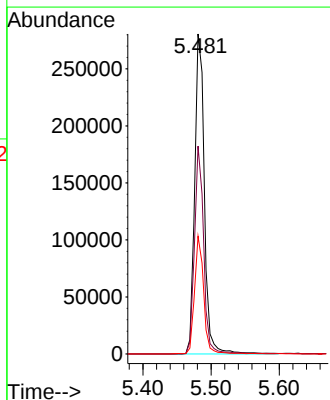
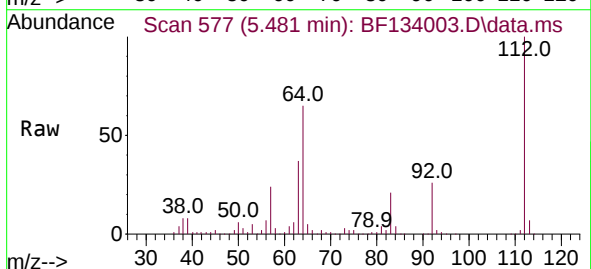
Manual Integrations
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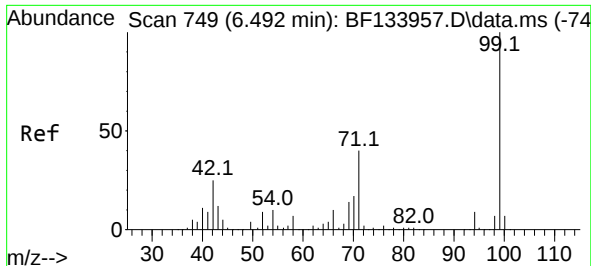
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#5
2-Fluorophenol
Concen: 43.023 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.000 min
Lab File: BF134003.D
Acq: 27 Jun 2023 21:49

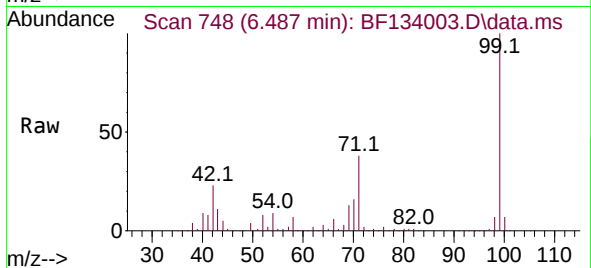
Tgt Ion:112 Resp: 275061
Ion Ratio Lower Upper
112 100
64 64.9 52.1 78.1
63 36.8 28.6 42.8





#7
Phenol-d6
Concen: 40.080 ng
RT: 6.487 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF134003.D
Acq: 27 Jun 2023 21:49

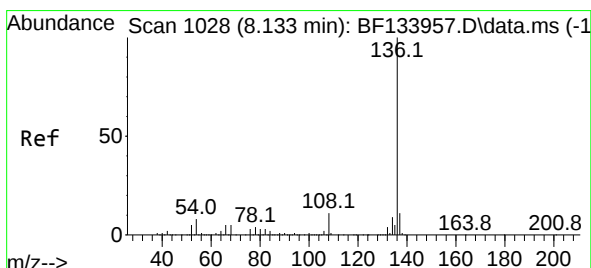
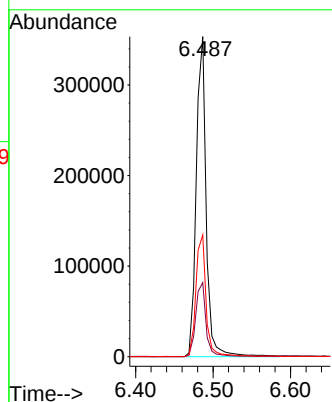
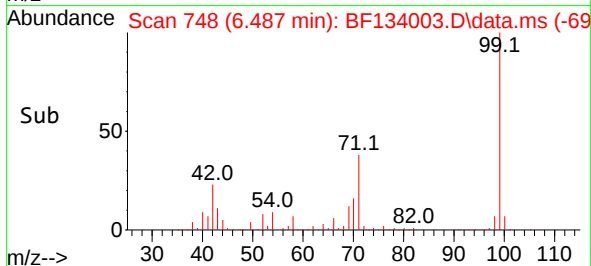
Instrument :
BNA_F
ClientSampleId :
SB-04-COMP



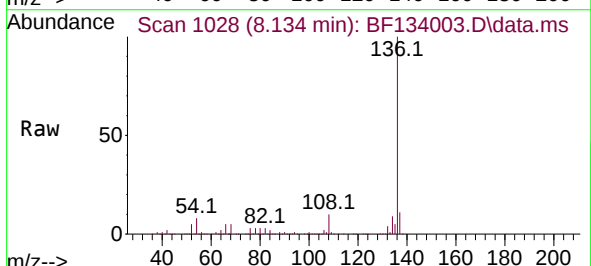
Tgt Ion: 99 Resp: 31513
Ion Ratio Lower Upper
99 100
42 23.2 19.8 29.6
71 38.1 31.9 47.9

Manual Integrations
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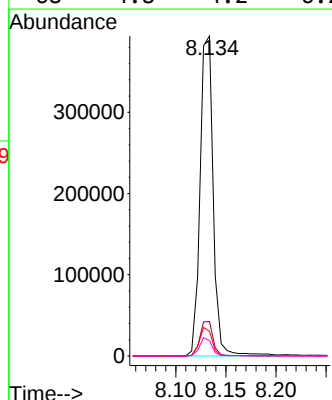
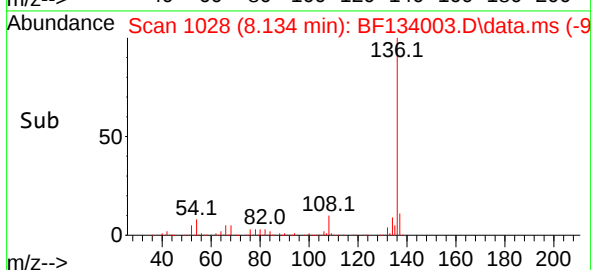
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1028
Delta R.T. 0.000 min
Lab File: BF134003.D
Acq: 27 Jun 2023 21:49



Tgt Ion:136 Resp: 360979
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 7.8 6.5 9.7
68 4.8 4.2 6.2





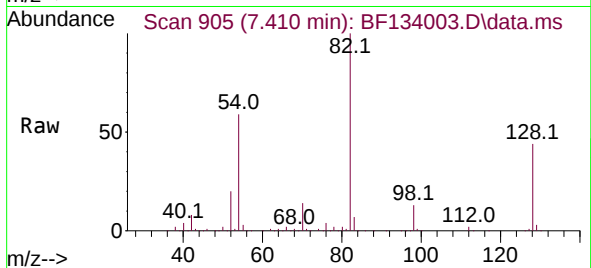
#23
Nitrobenzene-d5
Concen: 31.086 ng
RT: 7.410 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF134003.D
Acq: 27 Jun 2023 21:49

Instrument :

BNA_F

ClientSampleId :

SB-04-COMP

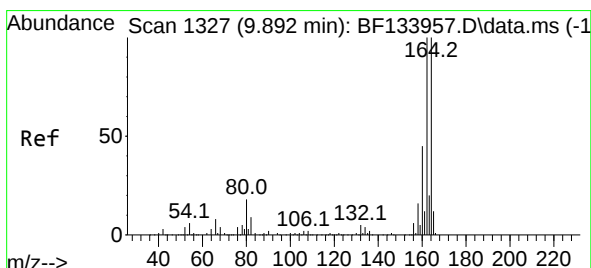
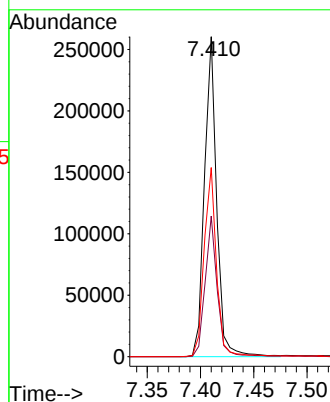
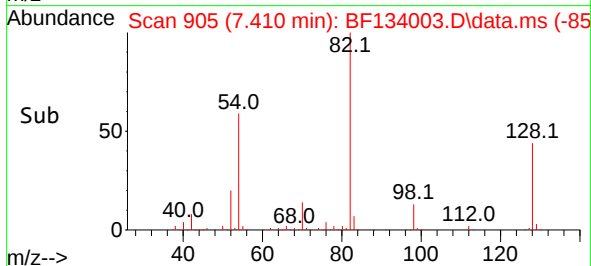


Tgt Ion: 82 Resp: 20816
Ion Ratio Lower Upper
82 100
128 43.9 32.5 48.7
54 59.1 48.2 72.2

Manual Integrations

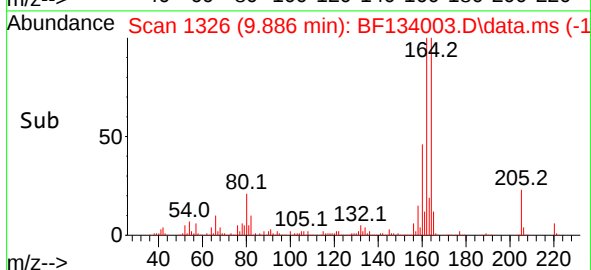
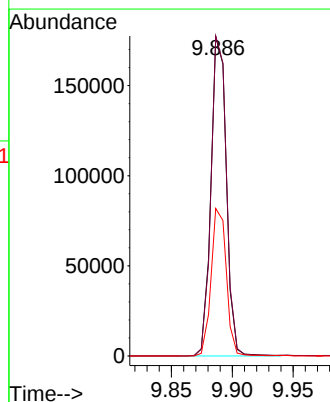
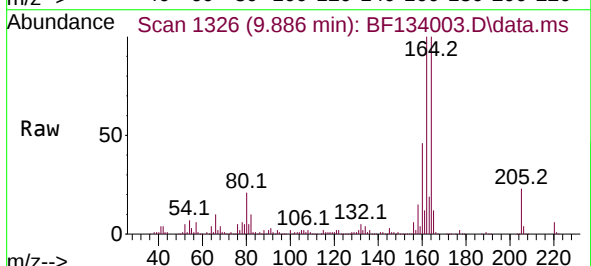
APPROVED

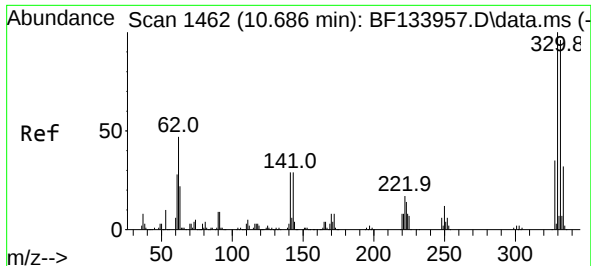
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF134003.D
Acq: 27 Jun 2023 21:49

Tgt Ion:164 Resp: 155309
Ion Ratio Lower Upper
164 100
162 100.3 80.0 120.0
160 46.3 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 36.044 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF134003.D
Acq: 27 Jun 2023 21:49

Instrument :

BNA_F

ClientSampleId :

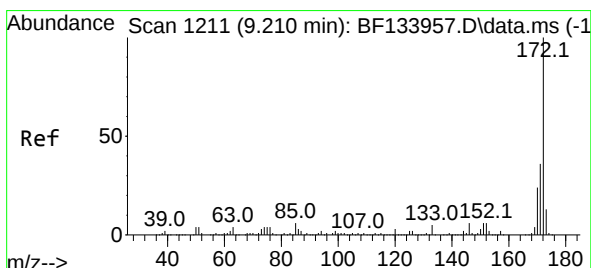
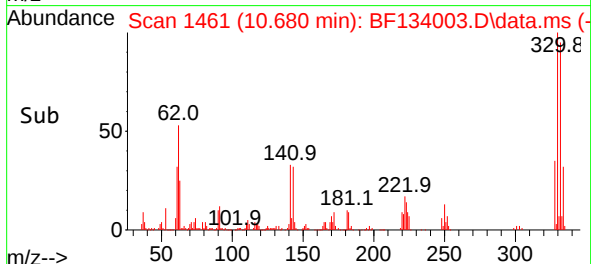
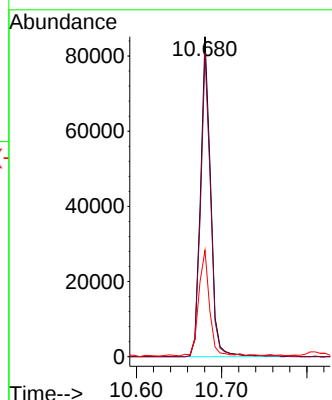
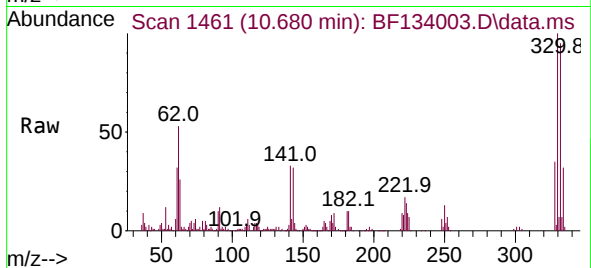
SB-04-COMP

Tgt Ion: 330 Resp: 7018
Ion Ratio Lower Upper
330 100
332 94.6 77.0 115.6
141 34.7 26.3 39.5

Manual Integrations

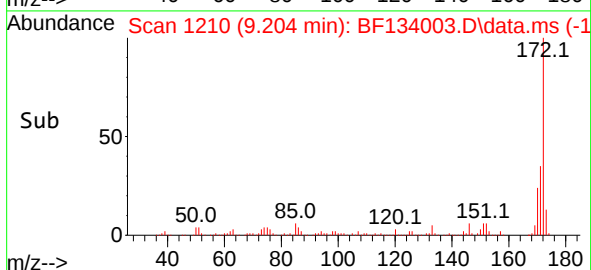
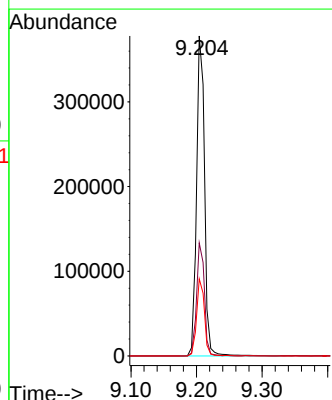
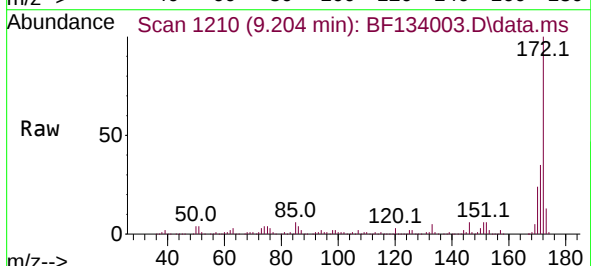
APPROVED

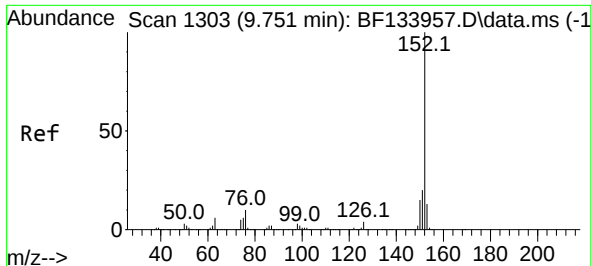
Reviewed By : Yogesh Patel 06/28/2023
Supervised By : mohammad ahmed 06/29/2023



#45
2-Fluorobiphenyl
Concen: 30.116 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.006 min
Lab File: BF134003.D
Acq: 27 Jun 2023 21:49

Tgt Ion: 172 Resp: 321705
Ion Ratio Lower Upper
172 100
171 35.3 28.6 43.0
170 24.1 19.4 29.0





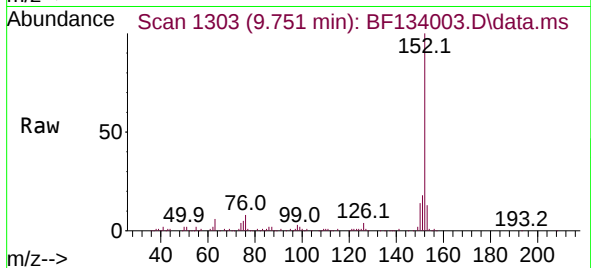
#49
Acenaphthylene
Concen: 4.838 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134003.D
Acq: 27 Jun 2023 21:49

Instrument :

BNA_F

ClientSampleId :

SB-04-COMP



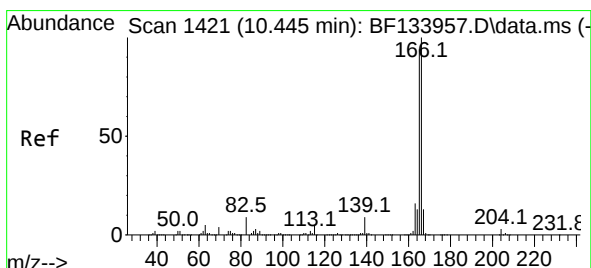
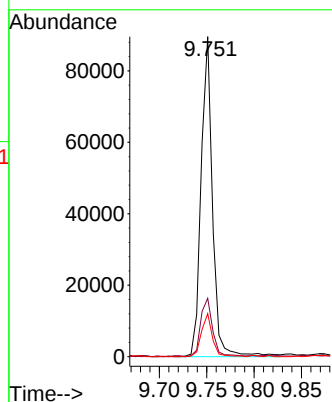
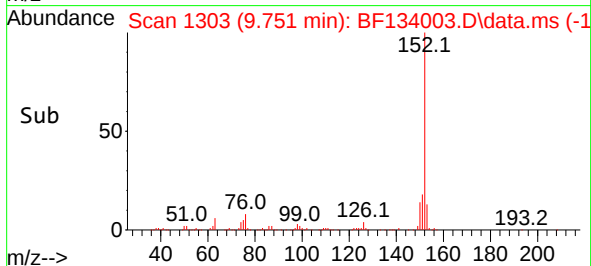
Tgt Ion:152 Resp: 75329
Ion Ratio Lower Upper
152 100
151 18.2 16.2 24.2
153 13.4 10.8 16.2

Manual Integrations

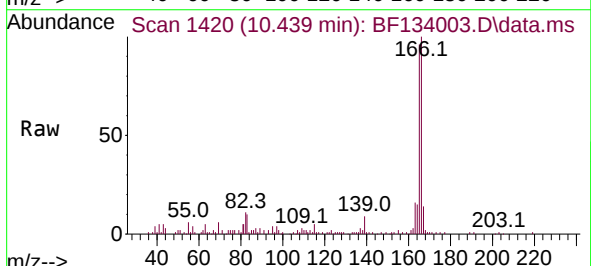
APPROVED

Reviewed By :Yogesh Patel 06/28/2023

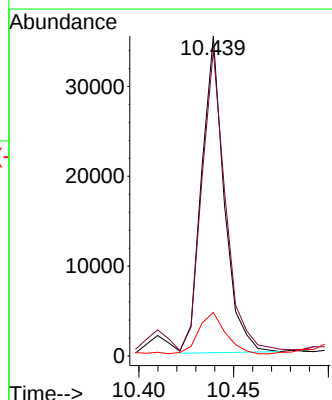
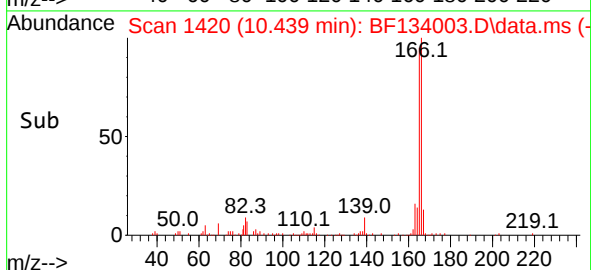
Supervised By :mohammad ahmed 06/29/2023

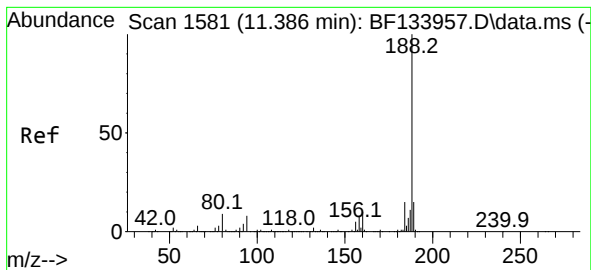


#58
Fluorene
Concen: 2.658 ng
RT: 10.439 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF134003.D
Acq: 27 Jun 2023 21:49



Tgt Ion:166 Resp: 29205
Ion Ratio Lower Upper
166 100
165 95.7 75.0 112.4
167 13.6 10.6 15.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF134003.D
Acq: 27 Jun 2023 21:49

Instrument :

BNA_F

ClientSampleId :

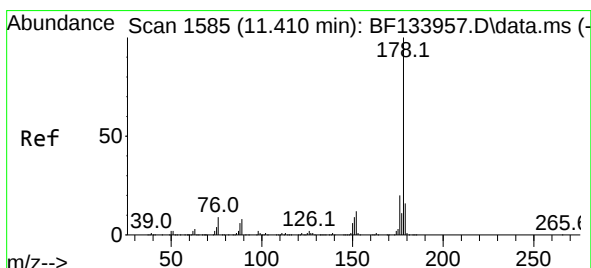
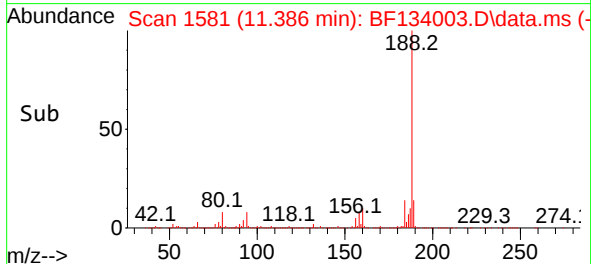
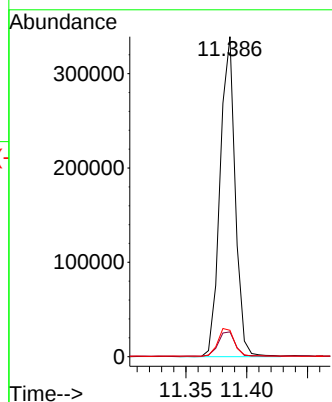
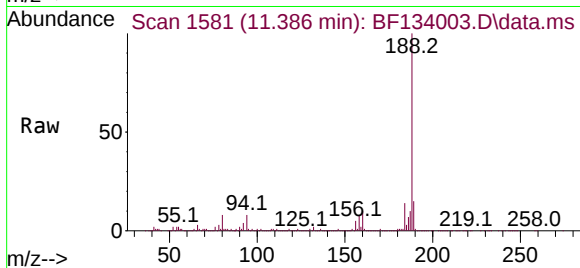
SB-04-COMP

Tgt Ion:188 Resp: 294189
Ion Ratio Lower Upper
188 100
94 7.8 6.4 9.6
80 8.3 7.3 10.9

Manual Integrations

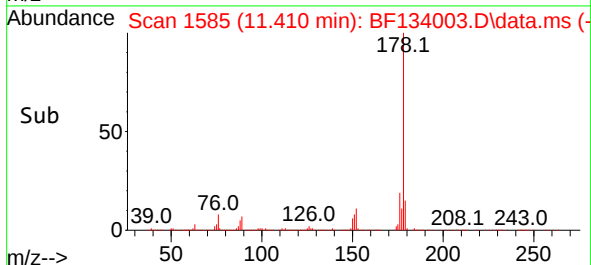
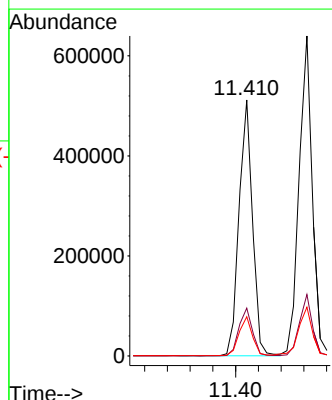
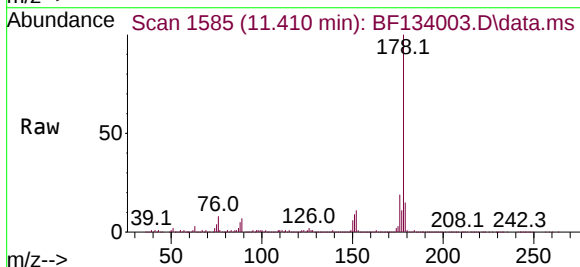
APPROVED

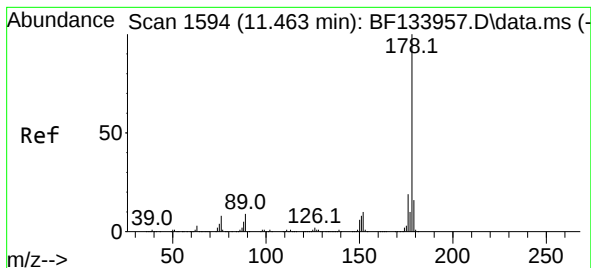
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#71
Phenanthrene
Concen: 28.337 ng
RT: 11.410 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF134003.D
Acq: 27 Jun 2023 21:49

Tgt Ion:178 Resp: 419673
Ion Ratio Lower Upper
178 100
176 18.7 16.0 24.0
179 15.3 12.4 18.6





#72

Anthracene

Concen: 33.867 ng

RT: 11.463 min Scan# 1594

Delta R.T. 0.000 min

Lab File: BF134003.D

Acq: 27 Jun 2023 21:49

Instrument :

BNA_F

ClientSampleId :

SB-04-COMP

Tgt Ion:178 Resp: 52168

Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

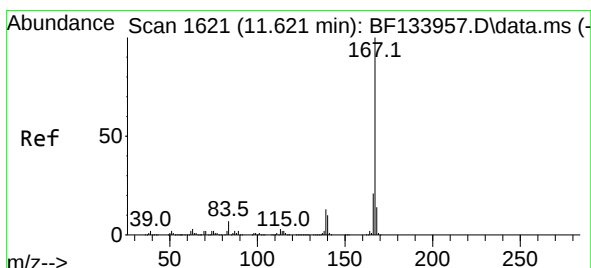
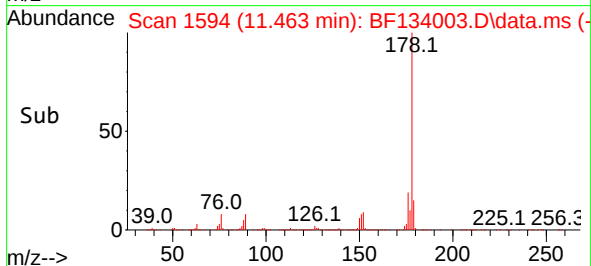
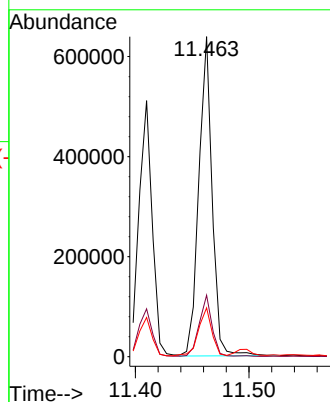
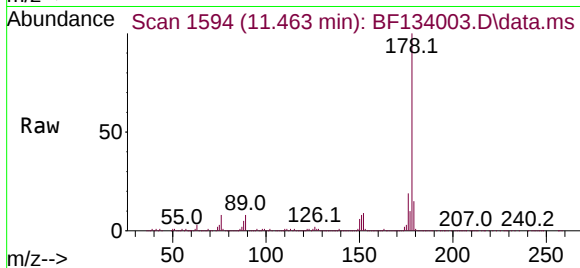
179 15.2 12.4 18.6

Manual Integrations

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Reviewed By :Yogesh Patel 06/28/2023

Supervised By :mohammad ahmed 06/29/2023



#73

Carbazole

Concen: 2.629 ng

RT: 11.616 min Scan# 1620

Delta R.T. -0.006 min

Lab File: BF134003.D

Acq: 27 Jun 2023 21:49

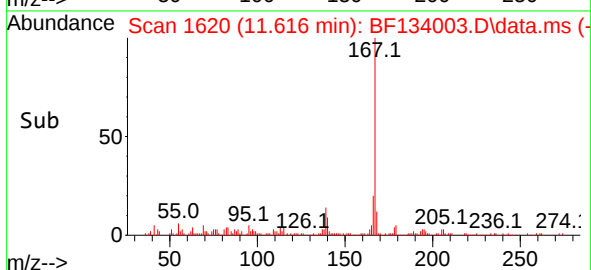
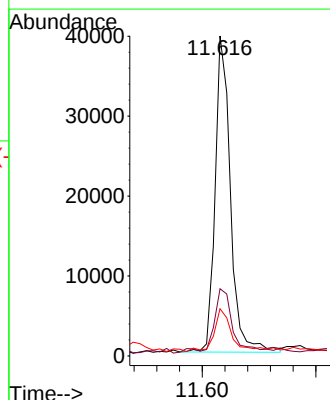
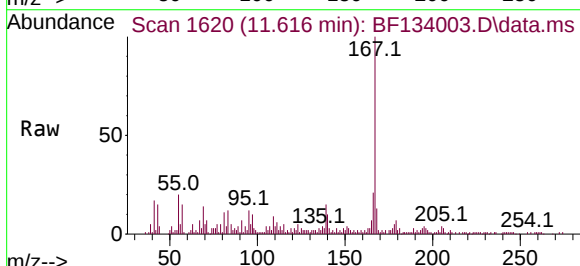
Tgt Ion:167 Resp: 37072

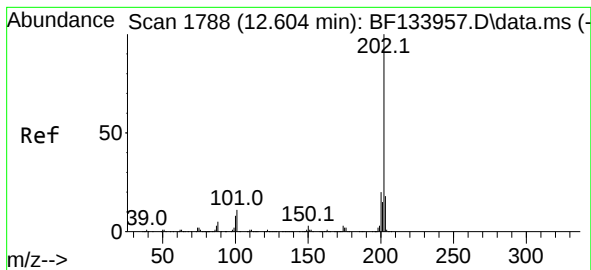
Ion Ratio Lower Upper

167 100

166 21.0 17.0 25.6

139 14.8 10.4 15.6





#75

Fluoranthene

Concen: 73.246 ng

RT: 12.610 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF134003.D

Acq: 27 Jun 2023 21:49

Instrument :

BNA_F

ClientSampleId :

SB-04-COMP

Tgt Ion:202 Resp: 117273

Ion Ratio Lower Upper

202 100

101 10.7 0.0 31.0

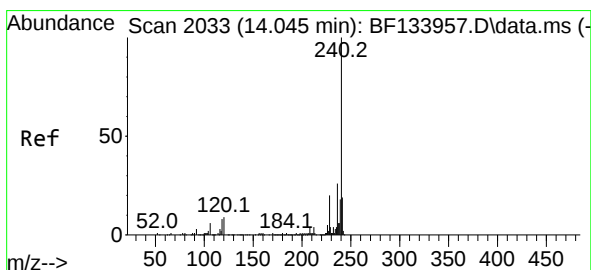
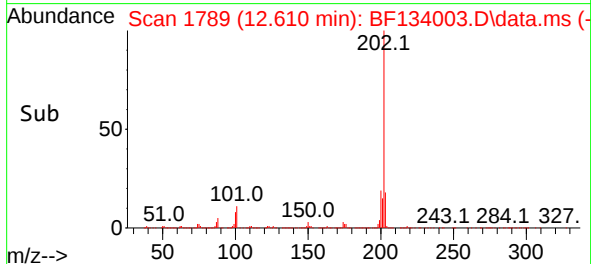
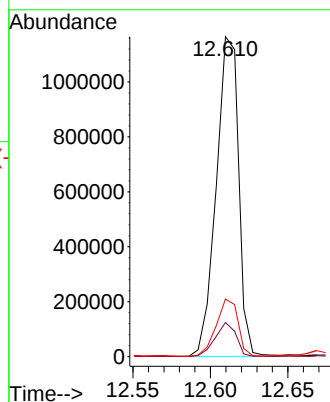
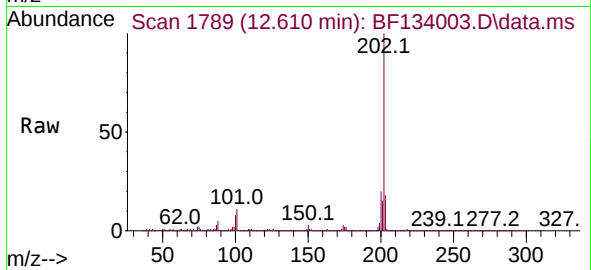
203 18.0 0.0 37.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/28/2023

Supervised By :mohammad ahmed 06/29/2023



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2034

Delta R.T. 0.006 min

Lab File: BF134003.D

Acq: 27 Jun 2023 21:49

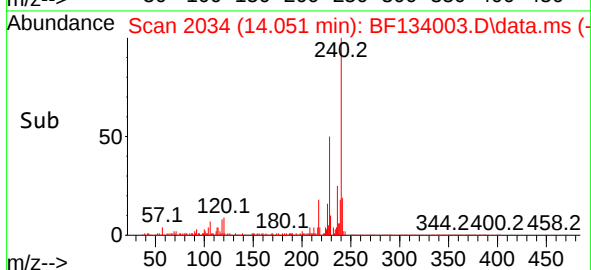
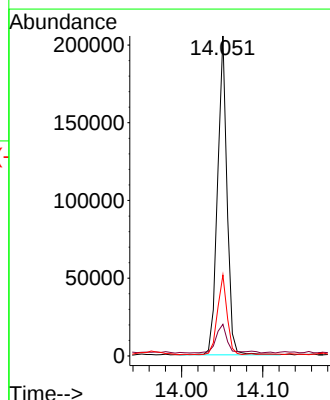
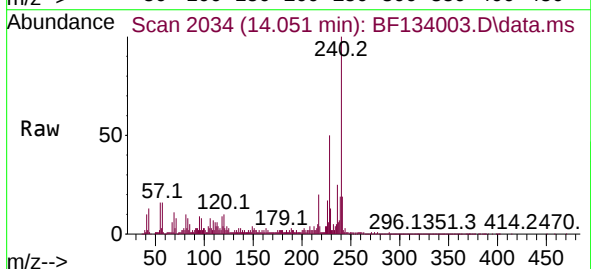
Tgt Ion:240 Resp: 165170

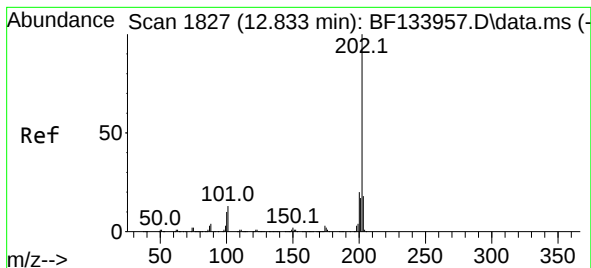
Ion Ratio Lower Upper

240 100

120 9.9 7.4 11.0

236 25.3 21.0 31.6





#78

Pyrene

Concen: 81.862 ng

RT: 12.845 min Scan# 1829

Delta R.T. 0.012 min

Lab File: BF134003.D

Acq: 27 Jun 2023 21:49

Instrument :

BNA_F

ClientSampleId :

SB-04-COMP

Tgt Ion:202 Resp: 125833

Ion Ratio Lower Upper

202 100

200 20.5 16.1 24.1

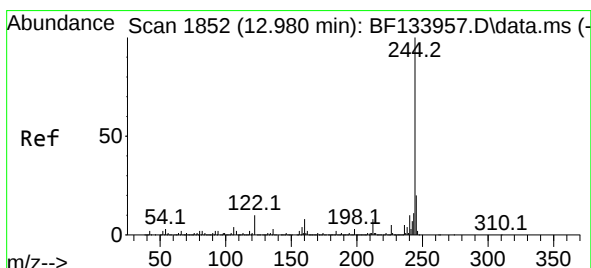
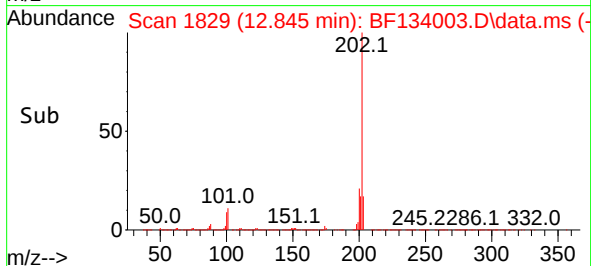
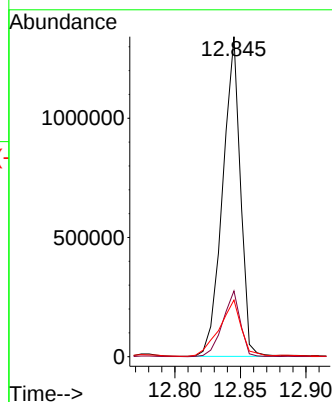
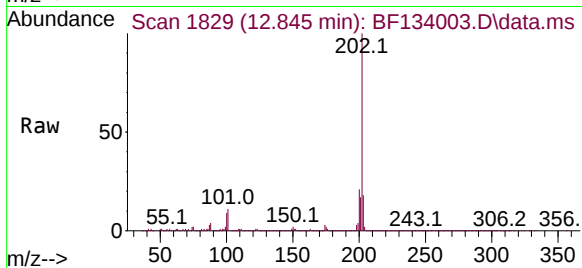
203 17.7 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/28/2023

Supervised By :mohammad ahmed 06/29/2023



#79

Terphenyl-d14

Concen: 33.749 ng

RT: 12.980 min Scan# 1852

Delta R.T. 0.000 min

Lab File: BF134003.D

Acq: 27 Jun 2023 21:49

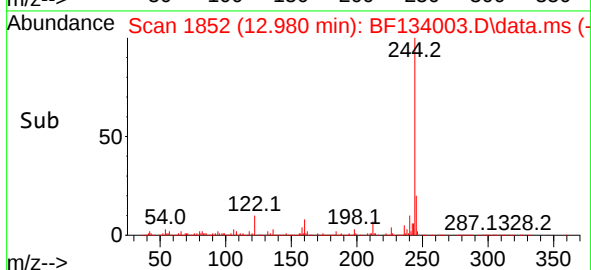
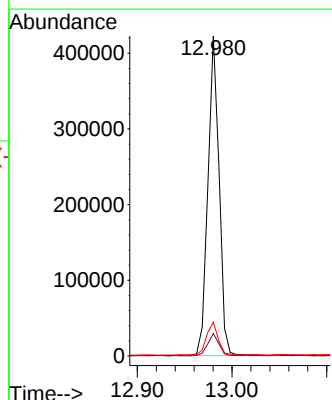
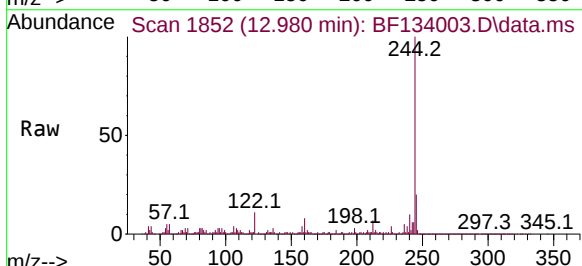
Tgt Ion:244 Resp: 346353

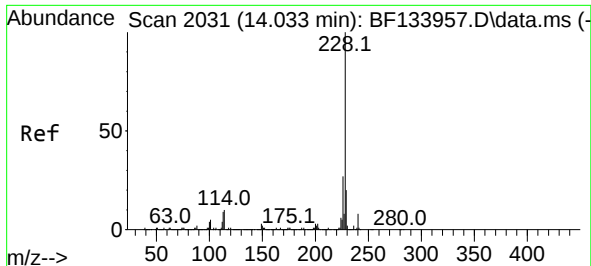
Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

122 10.6 8.3 12.5





#81
Benzo(a)anthracene
Concen: 40.179 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF134003.D
Acq: 27 Jun 2023 21:49

Instrument :

BNF_F

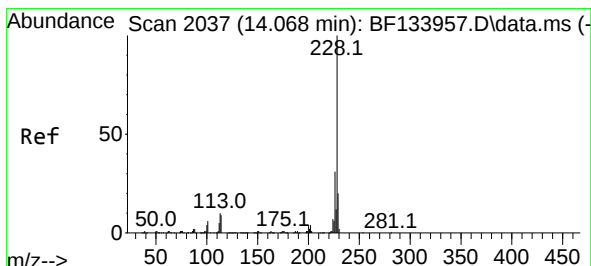
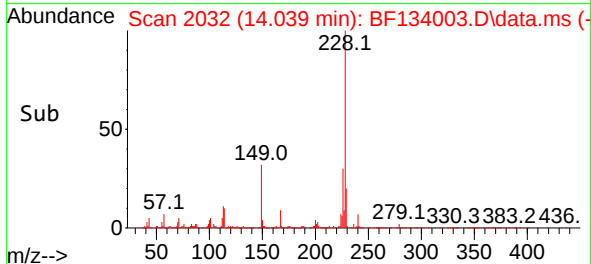
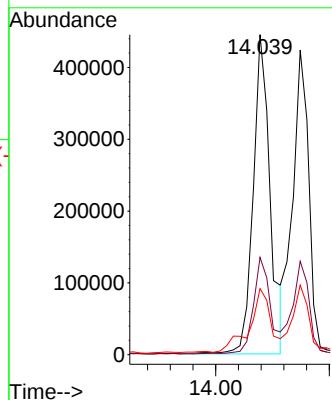
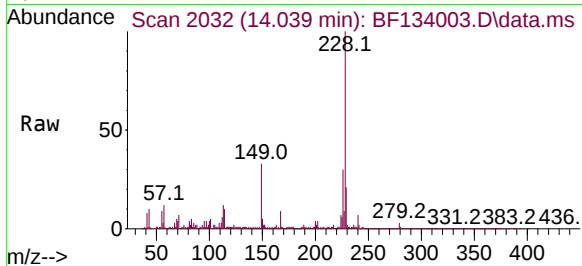
ClientSampleId :

SB-04-COMP

Tgt Ion:228 Resp: 460240
Ion Ratio Lower Upper
228 100
226 30.4 22.0 33.0
229 20.7 16.3 24.5

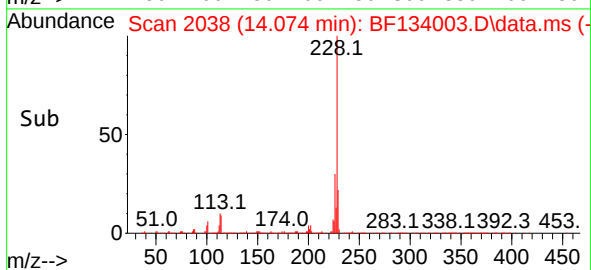
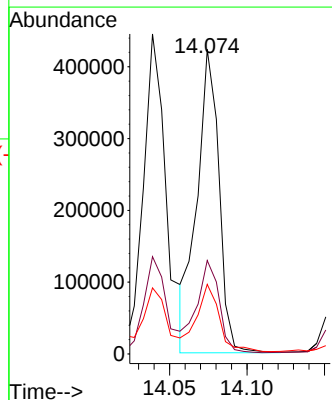
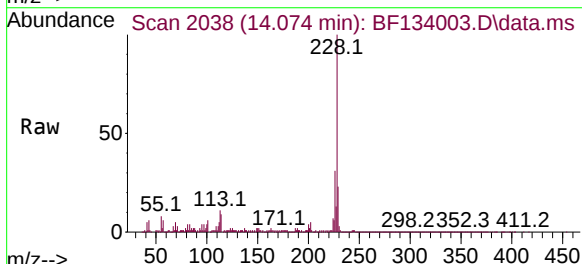
Manual Integrations
APPROVED

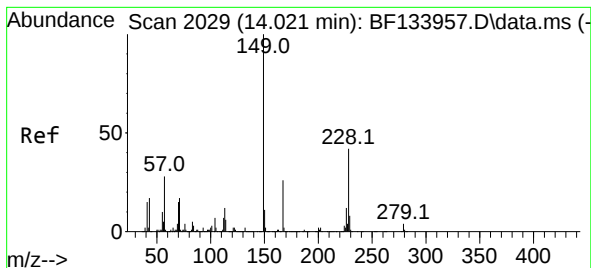
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#83
Chrysene
Concen: 37.645 ng
RT: 14.074 min Scan# 2038
Delta R.T. 0.006 min
Lab File: BF134003.D
Acq: 27 Jun 2023 21:49

Tgt Ion:228 Resp: 417657
Ion Ratio Lower Upper
228 100
226 30.7 24.4 36.6
229 22.9 16.1 24.1





#84
Bis(2-ethylhexyl)phthalate
Concen: 122.905 ng
RT: 14.027 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF134003.D
Acq: 27 Jun 2023 21:49

Instrument :

BNA_F

ClientSampleId :

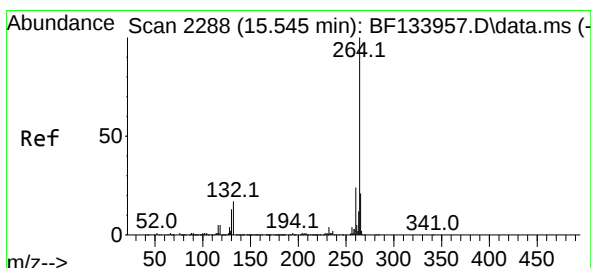
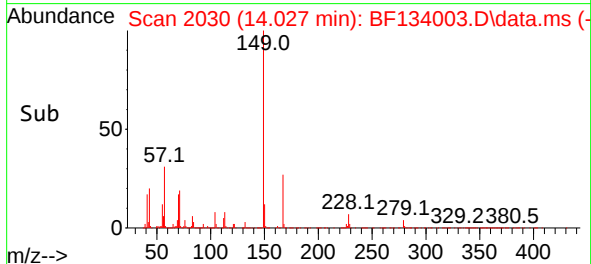
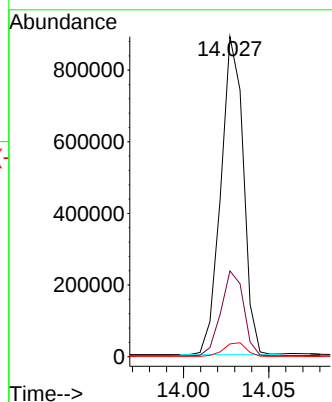
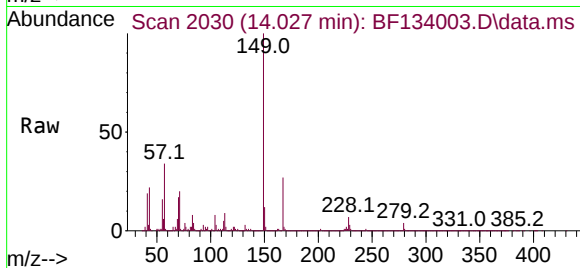
SB-04-COMP

Tgt Ion:149 Resp: 81415
Ion Ratio Lower Upper
149 100
167 26.8 21.0 31.4
279 4.0 3.3 4.9

Manual Integrations

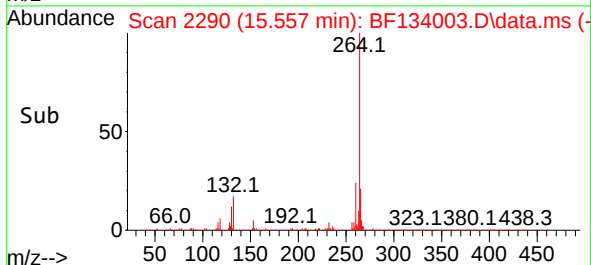
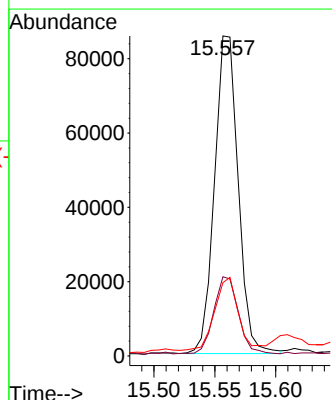
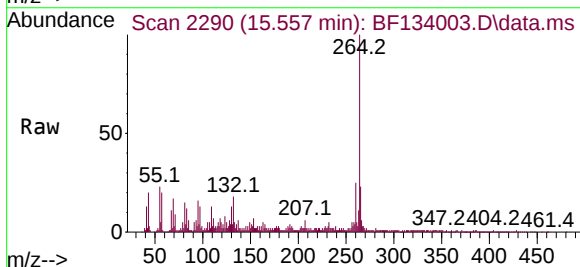
APPROVED

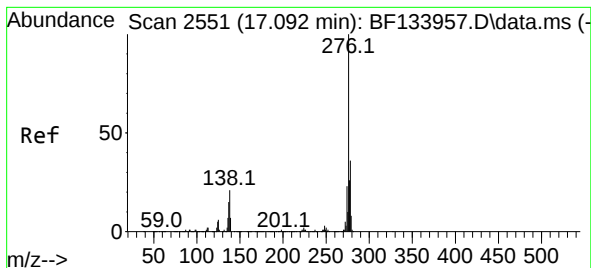
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2290
Delta R.T. 0.012 min
Lab File: BF134003.D
Acq: 27 Jun 2023 21:49

Tgt Ion:264 Resp: 115586
Ion Ratio Lower Upper
264 100
260 24.8 19.5 29.3
265 22.9 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 14.896 ng

RT: 17.104 min Scan# 2115

Delta R.T. 0.012 min

Lab File: BF134003.D

Acq: 27 Jun 2023 21:49

Instrument :

BNF

ClientSampleId :

SB-04-COMP

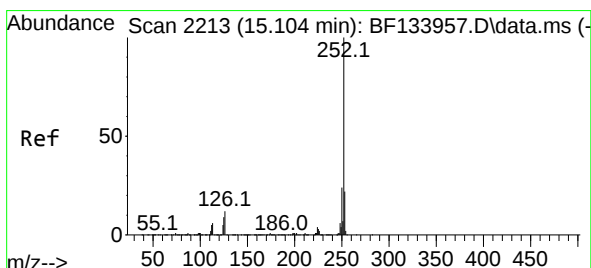
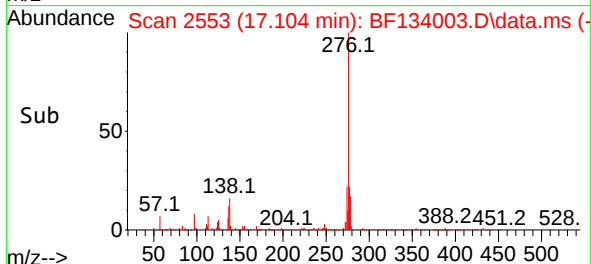
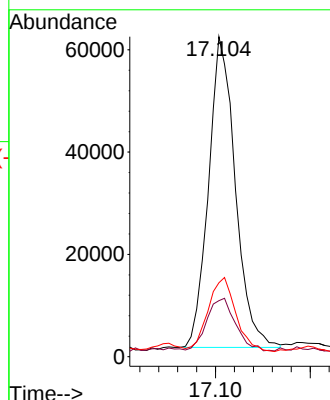
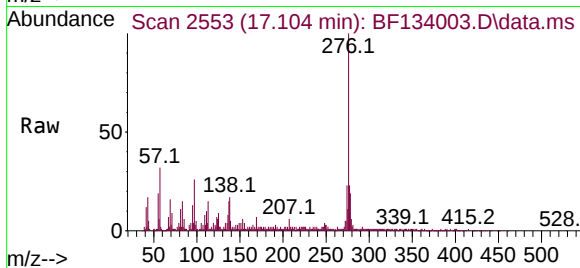
Tgt Ion:	276	Resp:	11947
Ion Ratio	Lower	Upper	
276	100		
138	18.1	18.7	28.1
277	24.7	19.9	29.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/28/2023

Supervised By :mohammad ahmed 06/29/2023



#88

Benzo(b)fluoranthene

Concen: 52.352 ng m

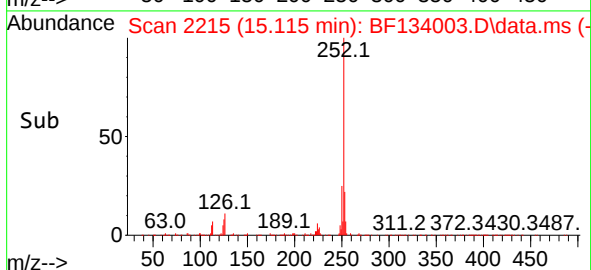
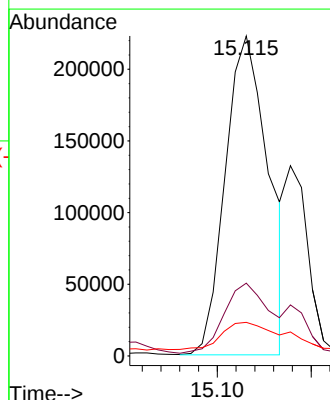
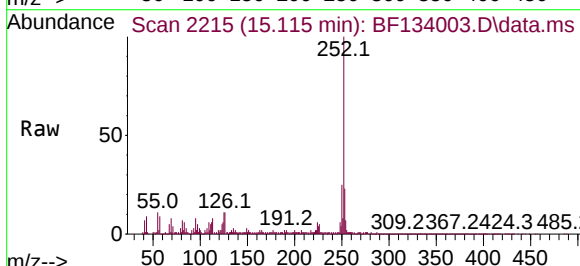
RT: 15.115 min Scan# 2215

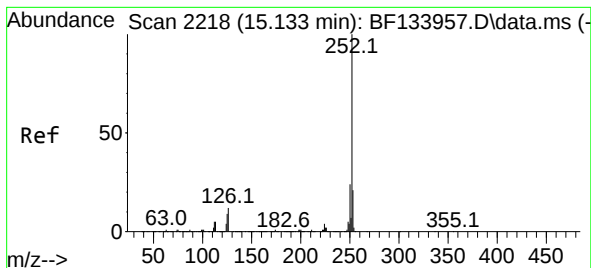
Delta R.T. 0.012 min

Lab File: BF134003.D

Acq: 27 Jun 2023 21:49

Tgt Ion:	252	Resp:	355814
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.4	26.0
125	10.5	7.1	10.7





#89

Benzo(k)fluoranthene

Concen: 15.958 ng m

RT: 15.139 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134003.D

Acq: 27 Jun 2023 21:49

Instrument :

BNA_F

ClientSampleId :

SB-04-COMP

Tgt Ion:252 Resp: 11043

Ion Ratio Lower Upper

252 100

253 26.8 16.9 25.3

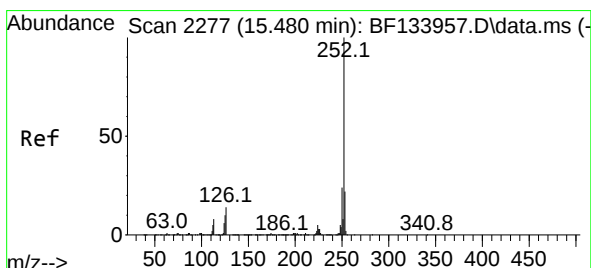
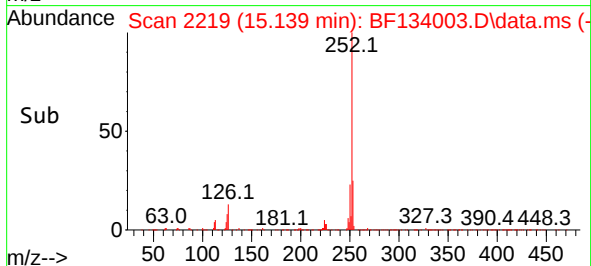
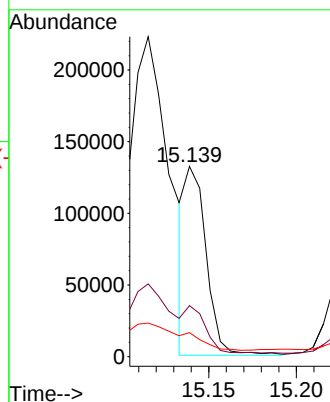
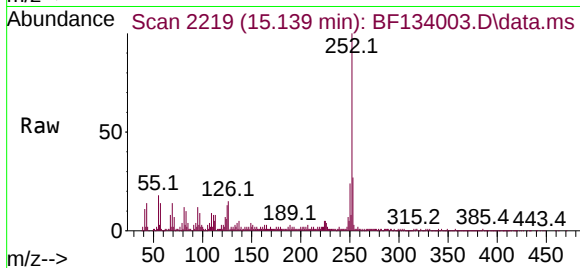
125 12.6 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/28/2023

Supervised By :mohammad ahmed 06/29/2023



#90

Benzo(a)pyrene

Concen: 35.256 ng

RT: 15.498 min Scan# 2280

Delta R.T. 0.018 min

Lab File: BF134003.D

Acq: 27 Jun 2023 21:49

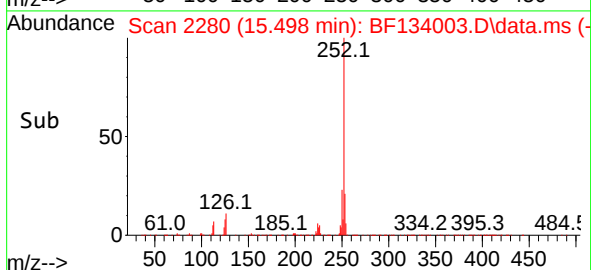
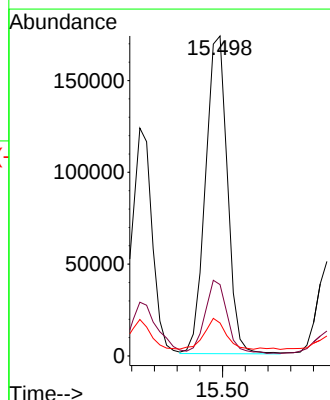
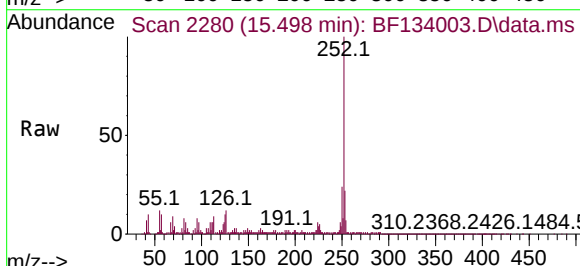
Tgt Ion:252 Resp: 231711

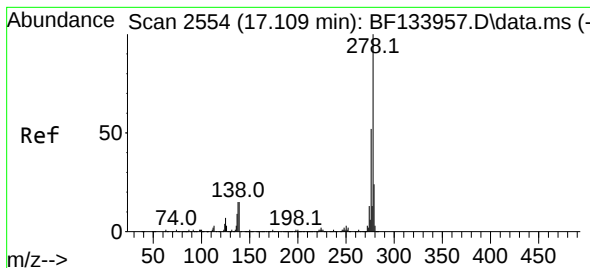
Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

125 10.3 8.4 12.6





#91

Dibenzo(a,h)anthracene

Concen: 5.068 ng

RT: 17.115 min Scan# 2555

Delta R.T. 0.006 min

Lab File: BF134003.D

Acq: 27 Jun 2023 21:49

Instrument :

BNA_F

ClientSampleId :

SB-04-COMP

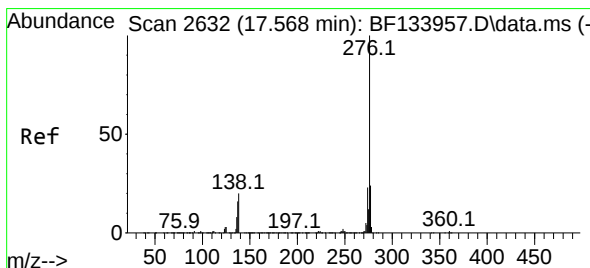
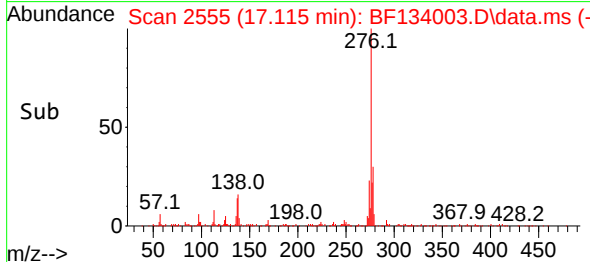
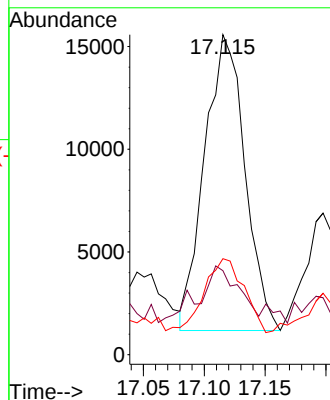
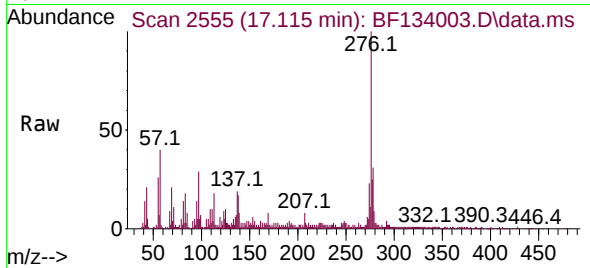
Tgt Ion:	278	Resp:	33200
Ion Ratio	Lower	Upper	
278	100		
139	26.2	12.2	18.4
279	30.0	19.4	29.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/28/2023

Supervised By :mohammad ahmed 06/29/2023



#92

Benzo(g,h,i)perylene

Concen: 16.255 ng

RT: 17.580 min Scan# 2634

Delta R.T. 0.012 min

Lab File: BF134003.D

Acq: 27 Jun 2023 21:49

Tgt Ion:	276	Resp:	109816
Ion Ratio	Lower	Upper	
276	100		
277	24.7	19.0	28.6
138	18.8	16.2	24.2

