

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081623\
 Data File : BF134815.D
 Acq On : 16 Aug 2023 18:36
 Operator : CG\JU
 Sample : 03994-01DL2 500X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB06-Z22-23DL2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/17/2023
 Supervised By :mohammad ahmed 08/17/2023

Quant Time: Aug 17 01:36:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	143775	20.000	ng	0.00
21) Naphthalene-d8	8.080	136	561687	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	242134	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	351957	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	244884	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	179532	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	6.433	99	720	0.060	ng	0.00
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0	0.000	ng	
45) 2-Fluorobiphenyl	9.151	172	1417	0.097	ng	-0.01
79) Terphenyl-d14	12.915	244	1682	0.121	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.104	128	2079741	73.673	ng	98
37) 2-Methylnaphthalene	8.792	142	650265	34.752	ng	98
38) 1-Methylnaphthalene	8.892	142	401933	23.100	ng	97
46) 1,1'-Biphenyl	9.257	154	97884	5.199	ng	96
52) Acenaphthene	9.868	154	282887	19.683	ng	98
58) Fluorene	10.380	166	124387	8.347	ng	95
71) Phenanthrene	11.345	178	457556	24.475	ng	98
72) Anthracene	11.398	178	128936	6.752	ng	98
75) Fluoranthene	12.539	202	170777	8.648	ng	97
78) Pyrene	12.768	202	269152	12.702	ng	99
81) Benzo(a)anthracene	13.962	228	74685m	4.265	ng	
83) Chrysene	13.998	228	60533	3.548	ng	98
88) Benzo(b)fluoranthene	15.015	252	31181m	2.848	ng	
90) Benzo(a)pyrene	15.380	252	38994	3.820	ng	# 93

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

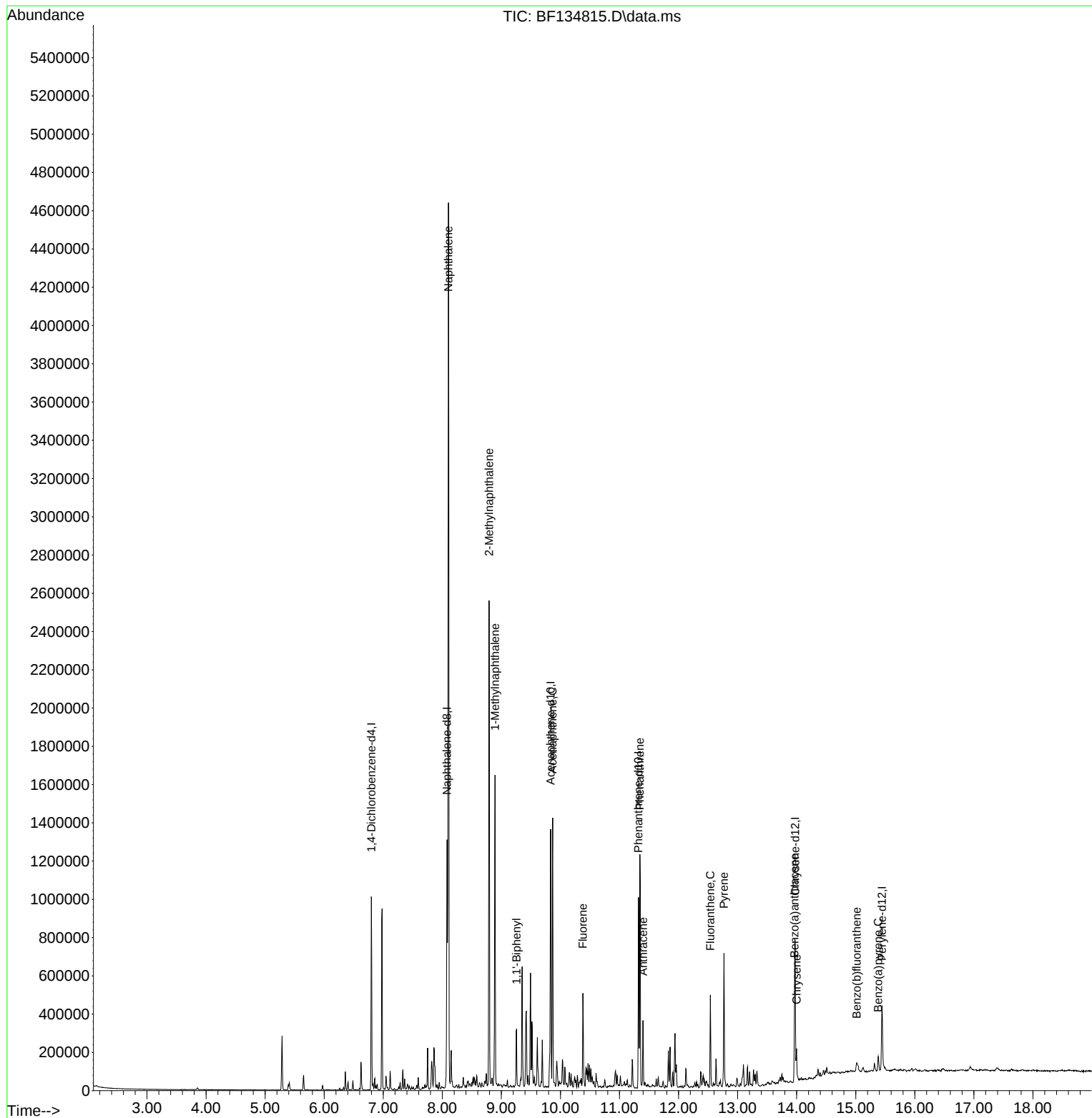
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081623\
Data File : BF134815.D
Acq On : 16 Aug 2023 18:36
Operator : CG\JU
Sample : 03994-01DL2 500X
Misc :
ALS Vial : 21 Sample Multiplier: 1

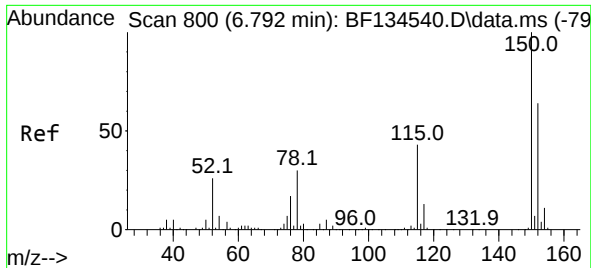
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z22-23DL2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/17/2023
Supervised By :mohammad ahmed 08/17/2023

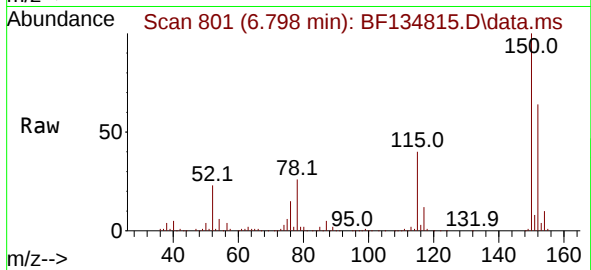
Quant Time: Aug 17 01:36:15 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 09:29:15 2023
Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: BF134815.D
 Acq: 16 Aug 2023 18:36

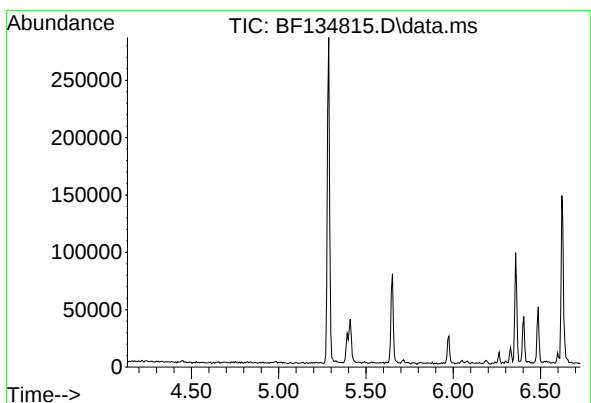
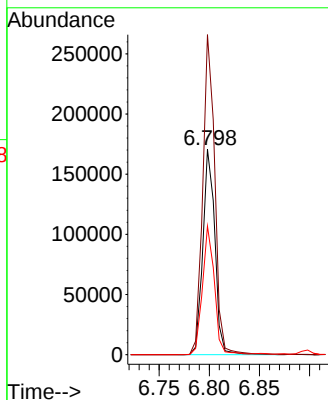
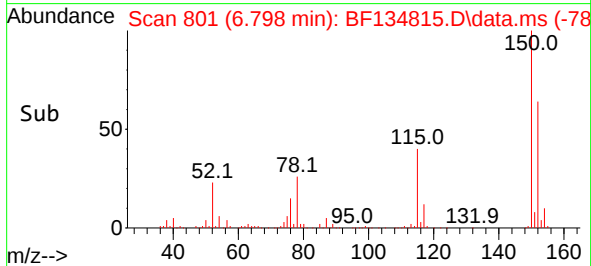
Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB06-Z22-23DL2



Tgt Ion: 152 Resp: 143775
 Ion Ratio Lower Upper
 152 100
 150 155.9 128.3 192.5
 115 62.6 52.4 78.6

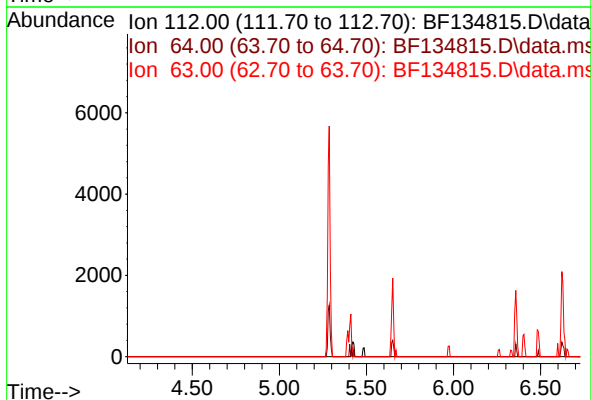
Manual Integrations
 APPROVED

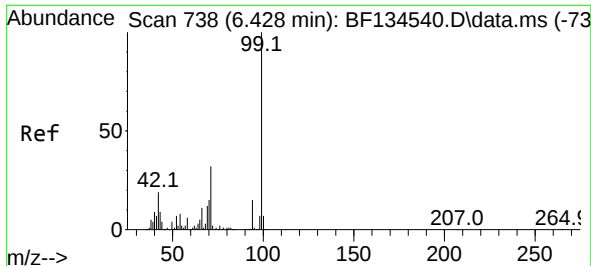
Reviewed By :Yogesh Patel 08/17/2023
 Supervised By :mohammad ahmed 08/17/2023



#5
 2-Fluorophenol
 Concen: 0.000 ng
 Expected RT: 5.43 min
 Lab File: BF134815.D
 Acq: 16 Aug 2023 18:36

Tgt Ion: 112
 Sig Exp Ratio
 112 100
 64 56.1
 63 31.7





#7

Phenol-d6

Concen: 0.060 ng

RT: 6.433 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF134815.D

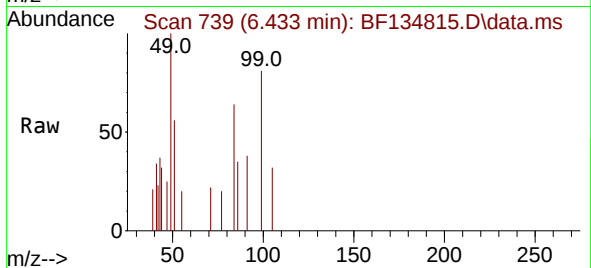
Acq: 16 Aug 2023 18:36

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB06-Z22-23DL2



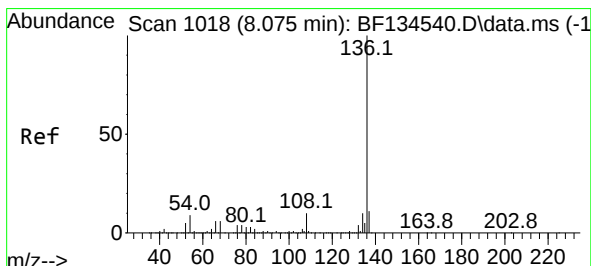
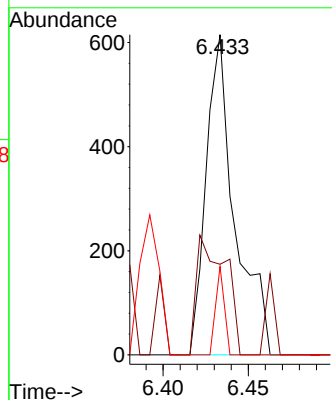
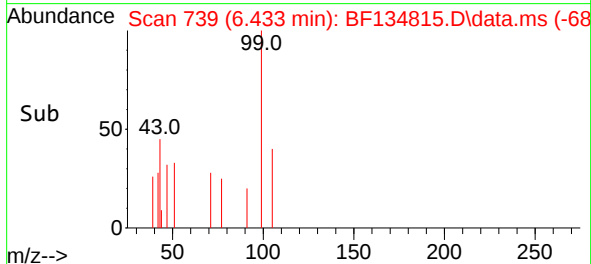
Tgt Ion:	99	Resp:	720
Ion Ratio	100	Lower	Upper
99	100		
42	28.3	18.7	28.1
71	27.6	36.4	54.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/17/2023

Supervised By :mohammad ahmed 08/17/2023



#21

Naphthalene-d8

Concen: 20.000 ng

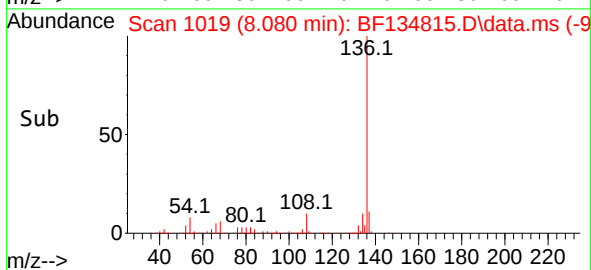
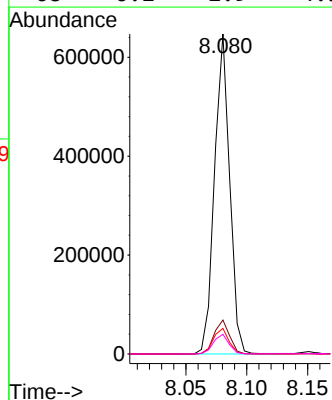
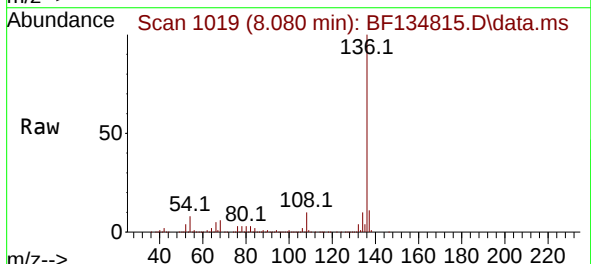
RT: 8.080 min Scan# 1019

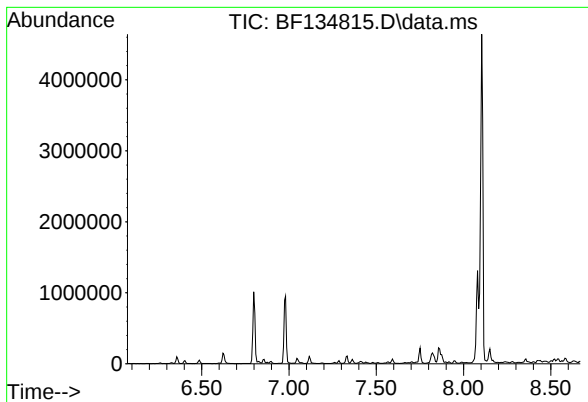
Delta R.T. -0.000 min

Lab File: BF134815.D

Acq: 16 Aug 2023 18:36

Tgt Ion:	136	Resp:	561687
Ion Ratio	100	Lower	Upper
136	100		
137	10.6	8.4	12.6
54	8.0	5.2	7.8
68	6.2	2.9	4.3





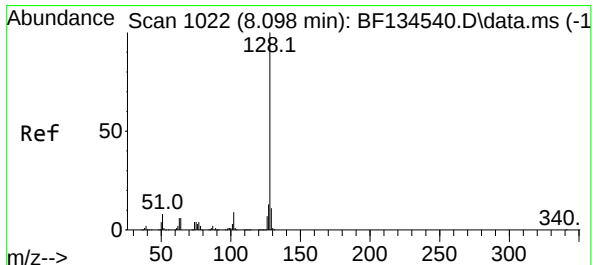
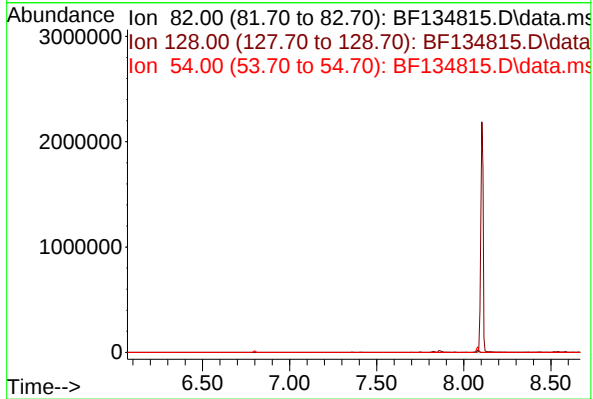
#23
 Nitrobenzene-d5
 Concen: 0.000 ng
 Expected RT: 7.37 min
 Lab File: BF134815.D
 Acq: 16 Aug 2023 18:36

Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB06-Z22-23DL2

Tgt Ion: 82
 Sig Exp Ratio
 82 100
 128 42.9
 54 54.7

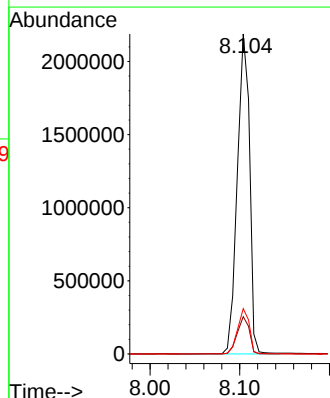
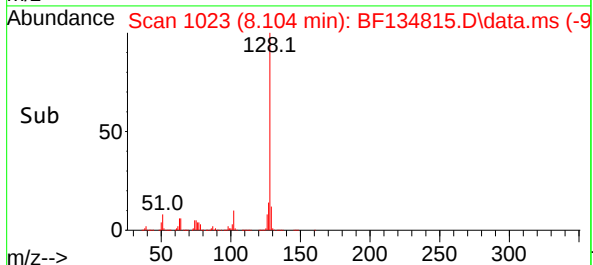
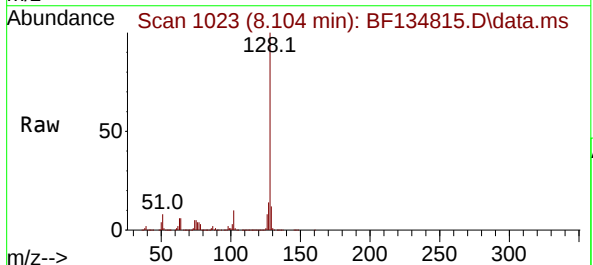
Manual Integrations APPROVED

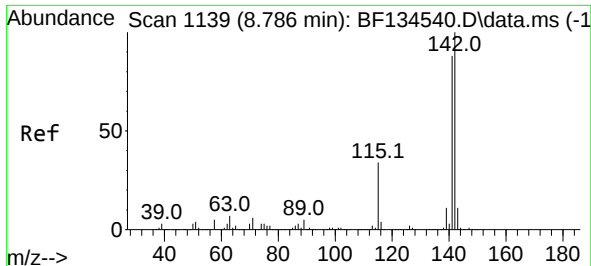
Reviewed By :Yogesh Patel 08/17/2023
 Supervised By :mohammad ahmed 08/17/2023



#31
 Naphthalene
 Concen: 73.673 ng
 RT: 8.104 min Scan# 1023
 Delta R.T. -0.000 min
 Lab File: BF134815.D
 Acq: 16 Aug 2023 18:36

Tgt Ion:128 Resp: 2079741
 Ion Ratio Lower Upper
 128 100
 129 11.6 8.4 12.6
 127 14.2 10.7 16.1





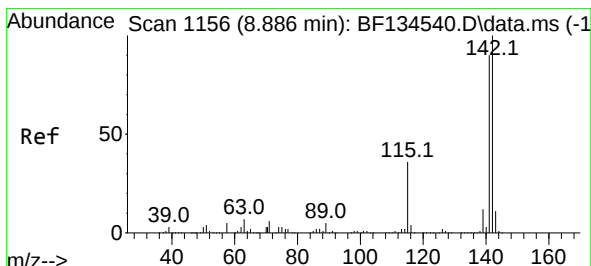
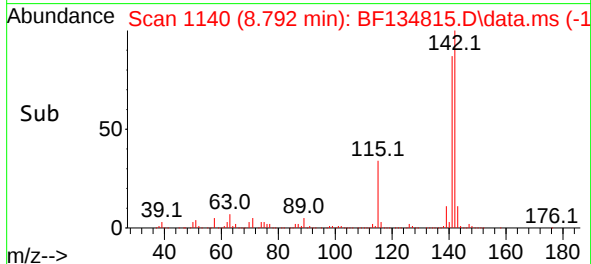
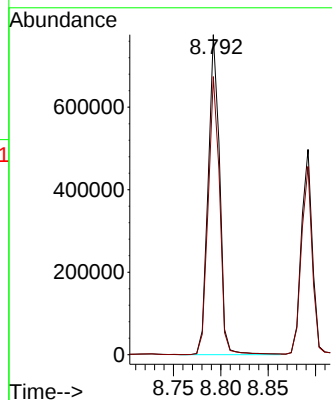
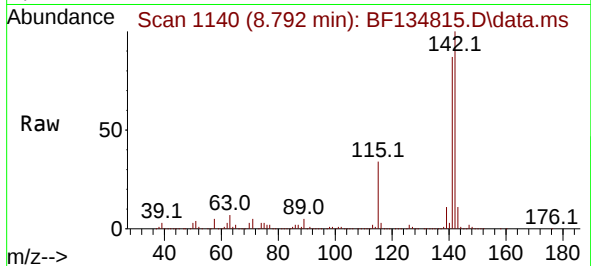
#37
2-Methylnaphthalene
Concen: 34.752 ng
RT: 8.792 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BF134815.D
Acq: 16 Aug 2023 18:36

Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z22-23DL2

Tgt Ion:142 Resp: 65026
Ion Ratio Lower Upper
142 100
141 86.9 70.8 106.2

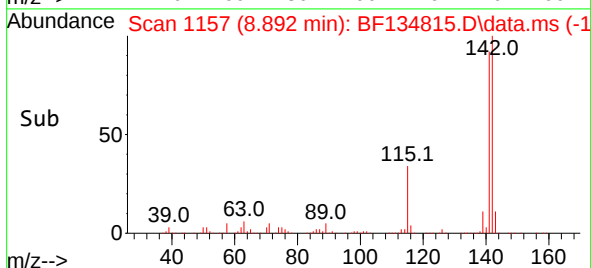
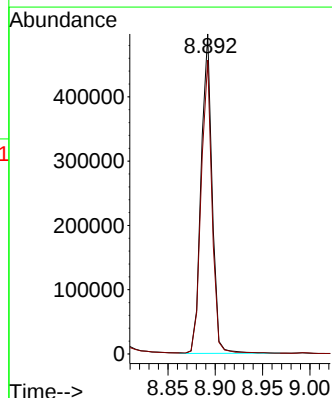
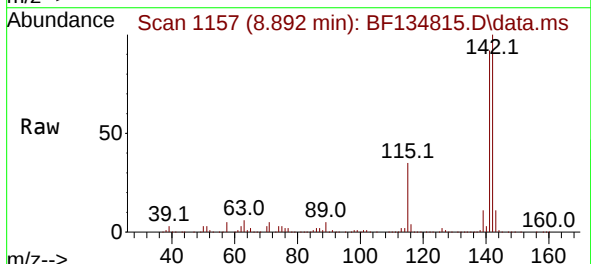
Manual Integrations
APPROVED

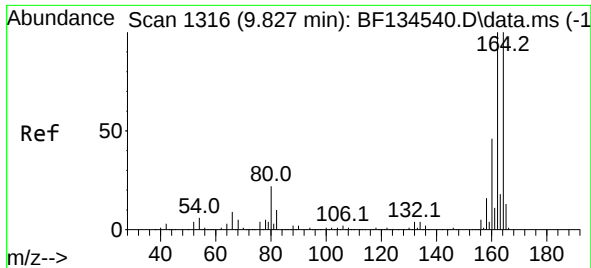
Reviewed By :Yogesh Patel 08/17/2023
Supervised By :mohammad ahmed 08/17/2023



#38
1-Methylnaphthalene
Concen: 23.100 ng
RT: 8.892 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BF134815.D
Acq: 16 Aug 2023 18:36

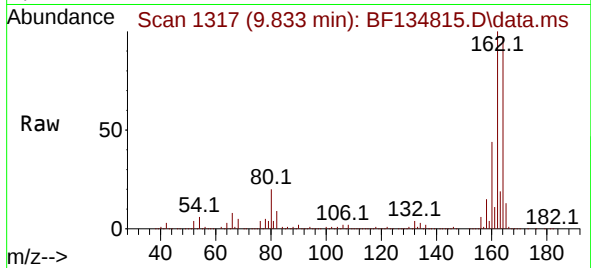
Tgt Ion:142 Resp: 401933
Ion Ratio Lower Upper
142 100
141 91.7 71.4 107.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF134815.D
Acq: 16 Aug 2023 18:36

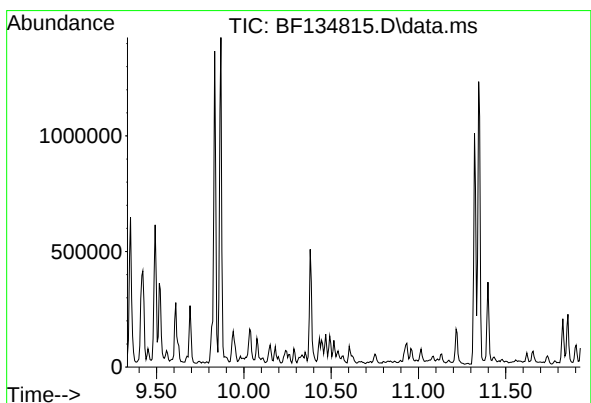
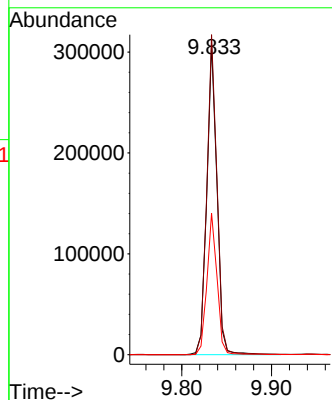
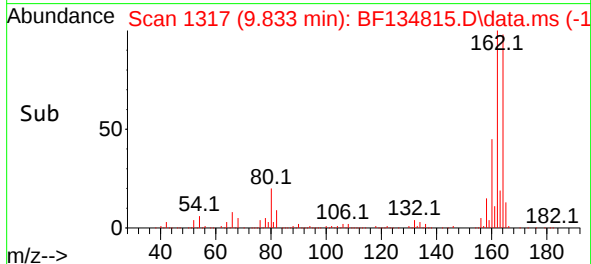
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z22-23DL2



Tgt Ion:164 Resp: 242134
Ion Ratio Lower Upper
164 100
162 103.0 82.6 123.8
160 45.6 37.2 55.8

Manual Integrations
APPROVED

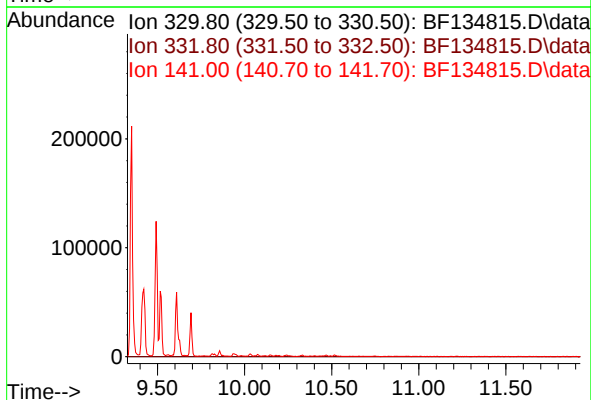
Reviewed By :Yogesh Patel 08/17/2023
Supervised By :mohammad ahmed 08/17/2023

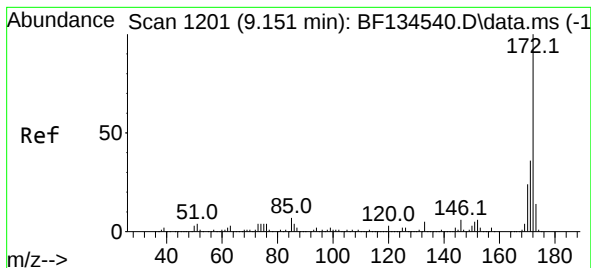


#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.63 min

Lab File: BF134815.D
Acq: 16 Aug 2023 18:36

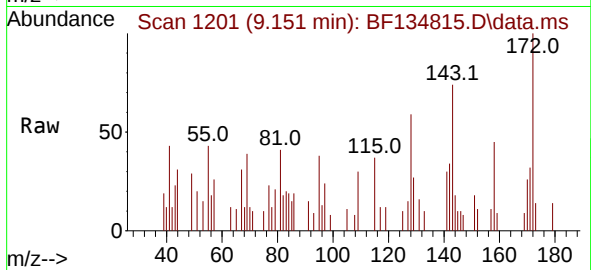
Tgt Ion: 330
Sig Exp Ratio
330 100
332 98.5
141 31.8





#45
2-Fluorobiphenyl
Concen: 0.097 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF134815.D
Acq: 16 Aug 2023 18:36

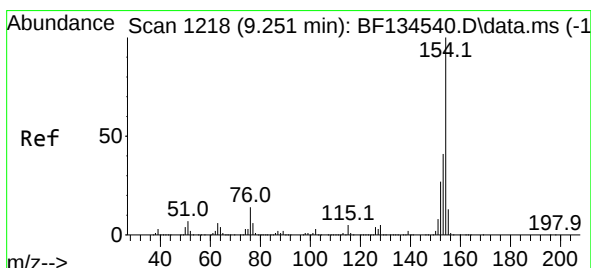
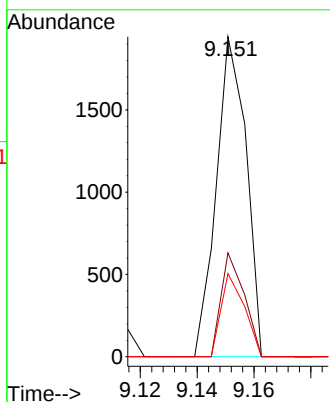
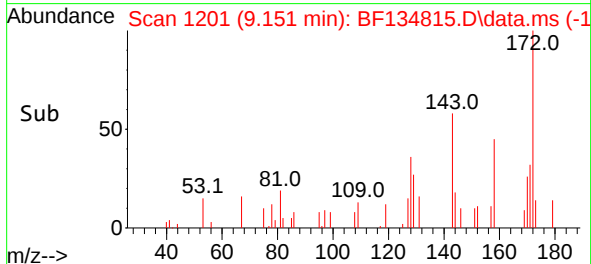
Instrument : BNA_F
ClientSampleId : NEVINS-SB06-Z22-23DL2



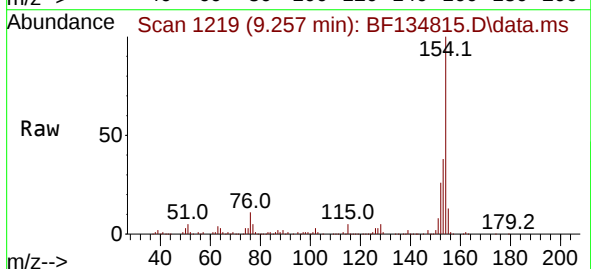
Tgt Ion:172 Resp: 141
Ion Ratio Lower Upper
172 100
171 32.4 28.8 43.2
170 26.0 18.7 28.1

Manual Integrations
APPROVED

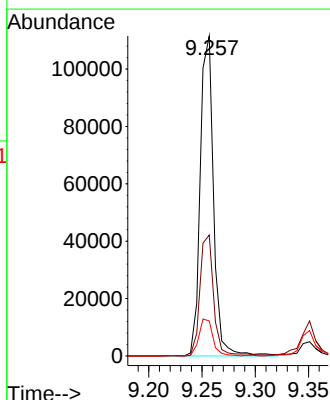
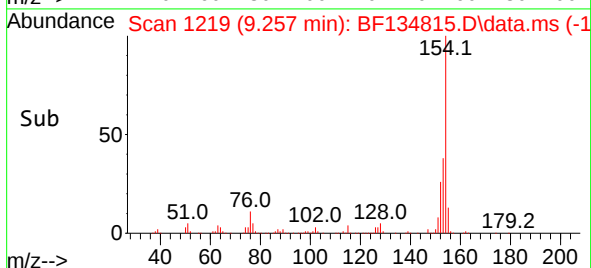
Reviewed By :Yogesh Patel 08/17/2023
Supervised By :mohammad ahmed 08/17/2023

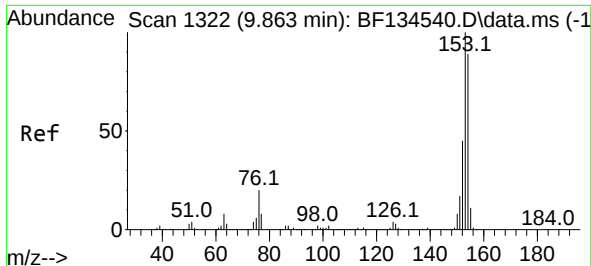


#46
1,1'-Biphenyl
Concen: 5.199 ng
RT: 9.257 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF134815.D
Acq: 16 Aug 2023 18:36



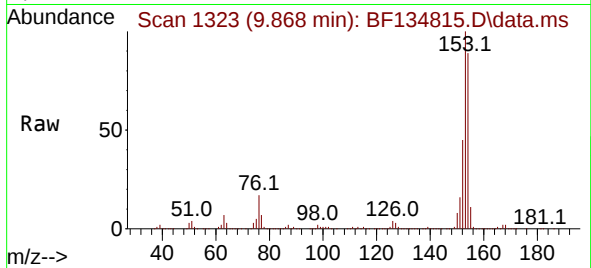
Tgt Ion:154 Resp: 97884
Ion Ratio Lower Upper
154 100
153 37.8 20.8 60.8
76 11.0 0.0 30.2





#52
Acenaphthene
Concen: 19.683 ng
RT: 9.868 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134815.D
Acq: 16 Aug 2023 18:36

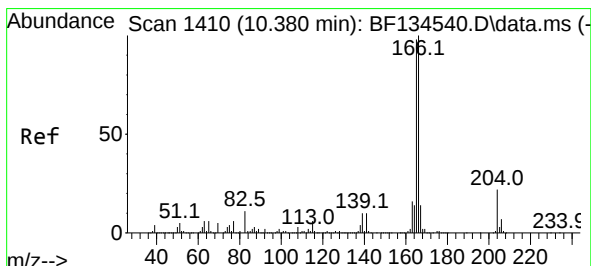
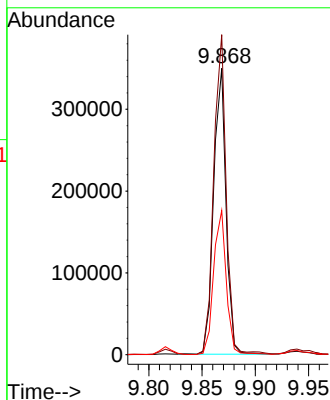
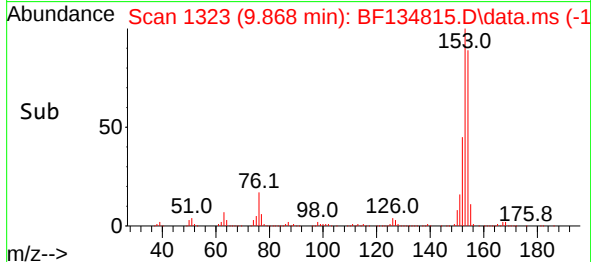
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z22-23DL2



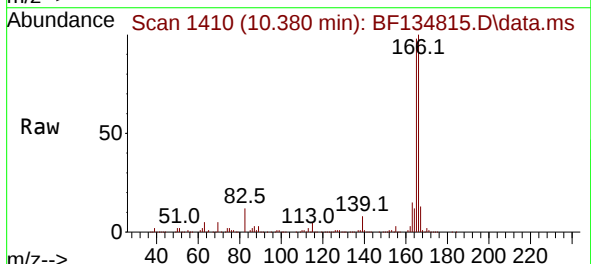
Tgt Ion:154 Resp: 28288
Ion Ratio Lower Upper
154 100
153 111.8 90.0 135.0
152 50.4 42.4 63.6

Manual Integrations
APPROVED

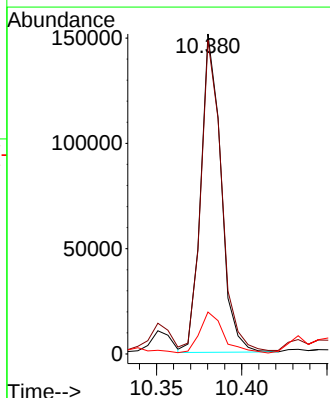
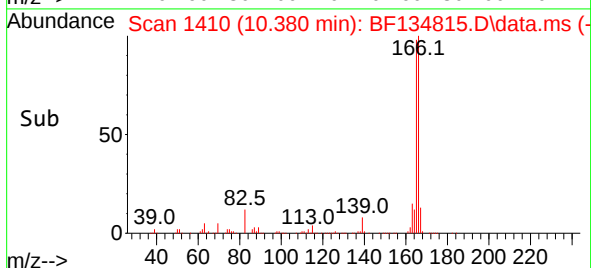
Reviewed By :Yogesh Patel 08/17/2023
Supervised By :mohammad ahmed 08/17/2023

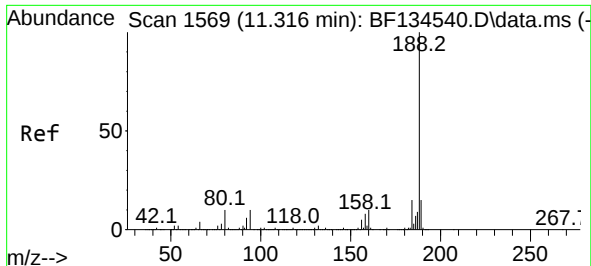


#58
Fluorene
Concen: 8.347 ng
RT: 10.380 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF134815.D
Acq: 16 Aug 2023 18:36



Tgt Ion:166 Resp: 124387
Ion Ratio Lower Upper
166 100
165 98.0 74.5 111.7
167 13.1 10.6 16.0





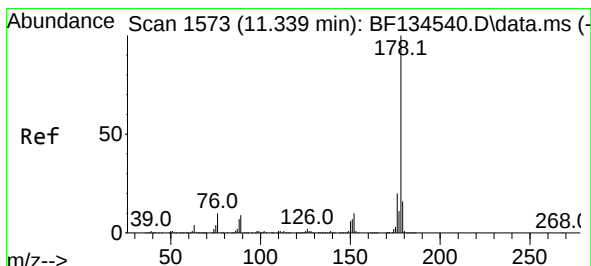
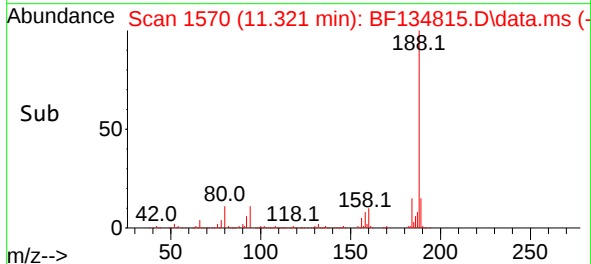
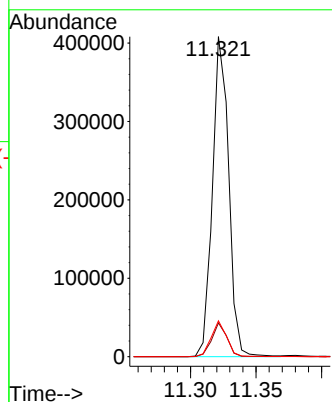
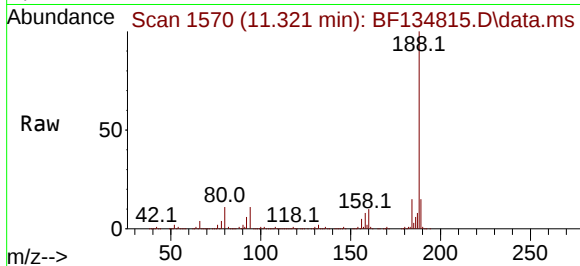
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.321 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BF134815.D
Acq: 16 Aug 2023 18:36

Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z22-23DL2

Tgt Ion:188 Resp: 35195
Ion Ratio Lower Upper
188 100
94 10.6 5.1 7.7
80 11.2 6.6 9.8

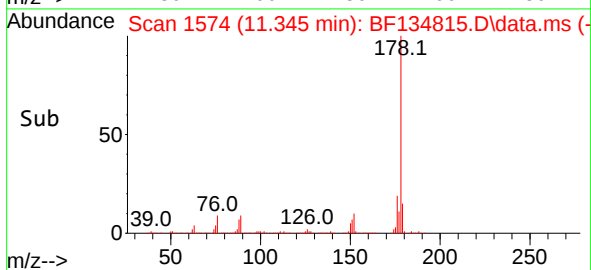
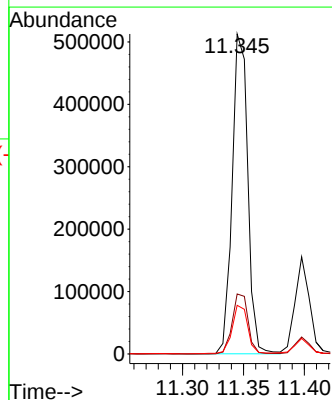
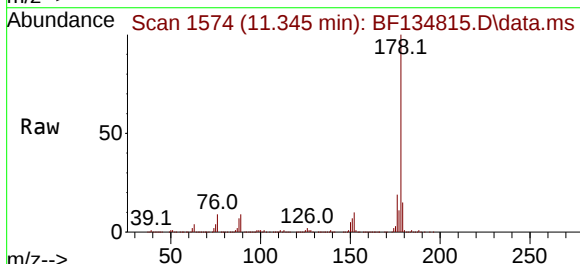
Manual Integrations
APPROVED

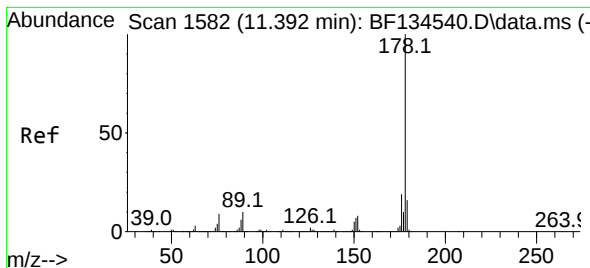
Reviewed By :Yogesh Patel 08/17/2023
Supervised By :mohammad ahmed 08/17/2023



#71
Phenanthrene
Concen: 24.475 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF134815.D
Acq: 16 Aug 2023 18:36

Tgt Ion:178 Resp: 457556
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.6
179 15.2 12.7 19.1





#72

Anthracene

Concen: 6.752 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.006 min

Lab File: BF134815.D

Acq: 16 Aug 2023 18:36

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB06-Z22-23DL2

Tgt Ion:178 Resp: 128930

Ion Ratio Lower Upper

178 100

176 17.4 14.6 21.8

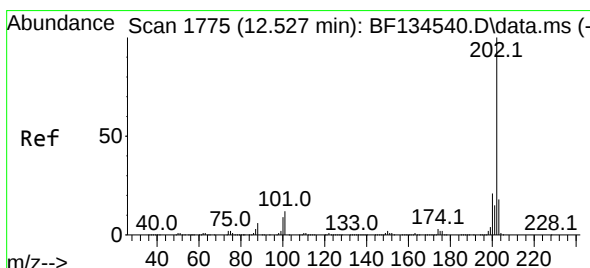
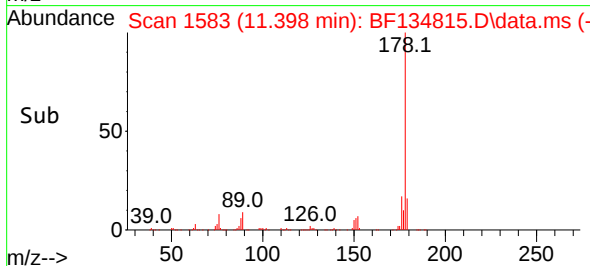
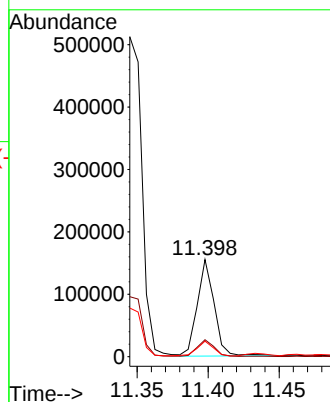
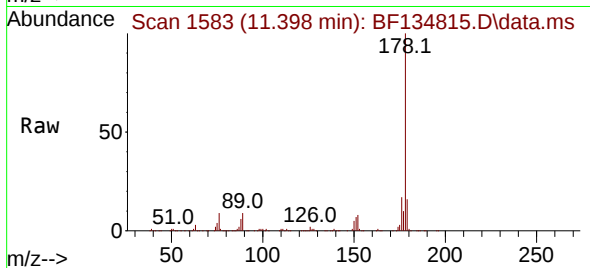
179 16.0 12.3 18.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/17/2023

Supervised By :mohammad ahmed 08/17/2023



#75

Fluoranthene

Concen: 8.648 ng

RT: 12.539 min Scan# 1777

Delta R.T. -0.000 min

Lab File: BF134815.D

Acq: 16 Aug 2023 18:36

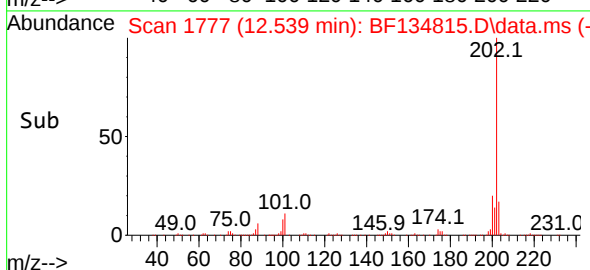
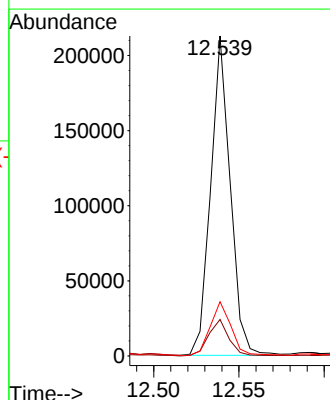
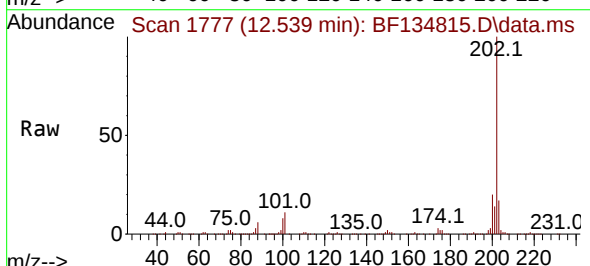
Tgt Ion:202 Resp: 170777

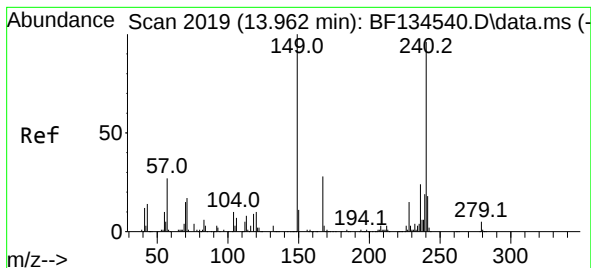
Ion Ratio Lower Upper

202 100

101 11.4 0.0 28.5

203 17.0 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 2019

Delta R.T. -0.000 min

Lab File: BF134815.D

Acq: 16 Aug 2023 18:36

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB06-Z22-23DL2

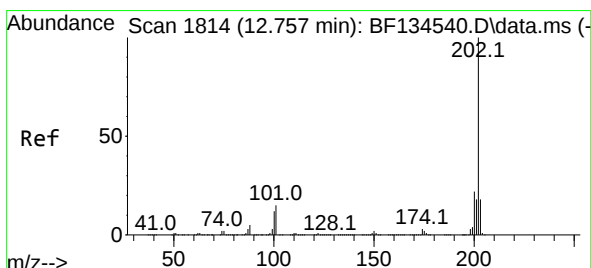
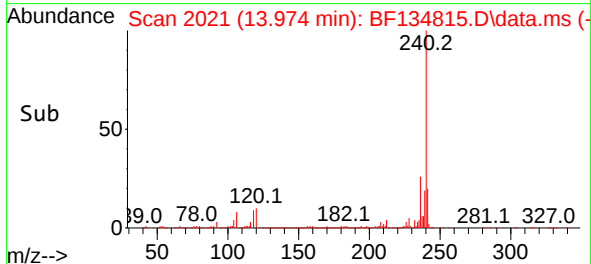
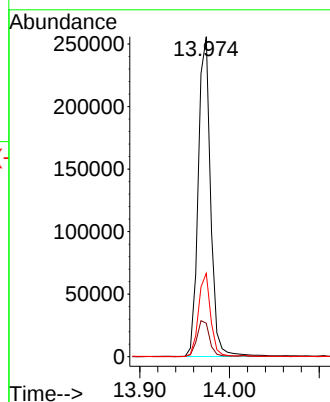
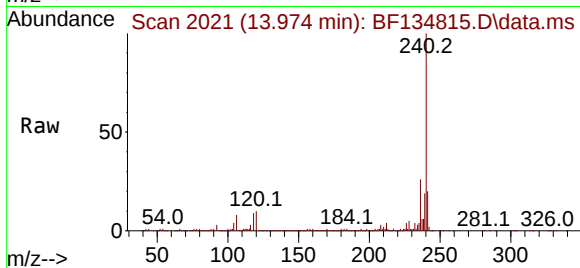
Tgt Ion:240 Resp: 244884
 Ion Ratio Lower Upper
 240 100
 120 10.4 6.6 10.0
 236 26.0 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/17/2023

Supervised By :mohammad ahmed 08/17/2023



#78

Pyrene

Concen: 12.702 ng

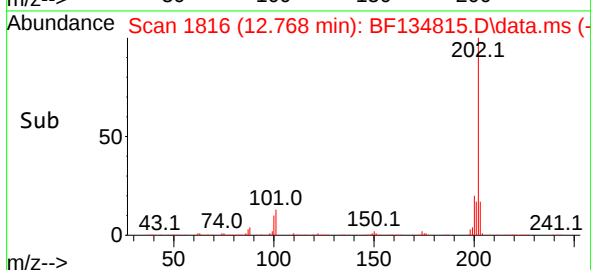
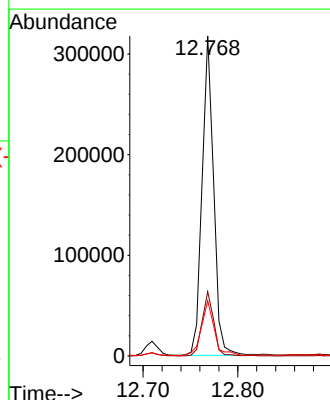
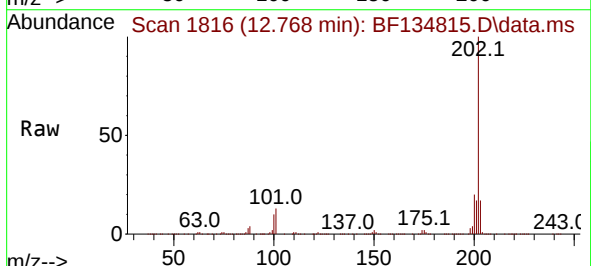
RT: 12.768 min Scan# 1816

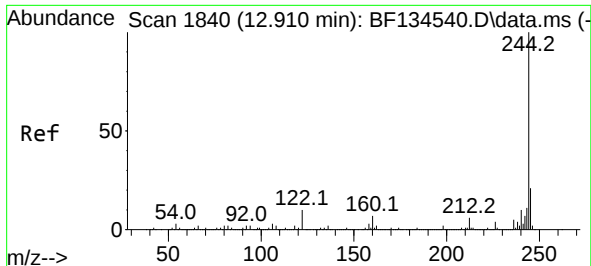
Delta R.T. -0.000 min

Lab File: BF134815.D

Acq: 16 Aug 2023 18:36

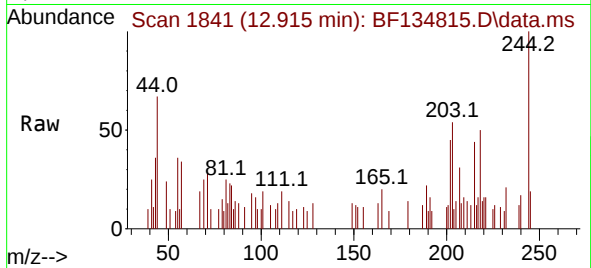
Tgt Ion:202 Resp: 269152
 Ion Ratio Lower Upper
 202 100
 200 20.1 15.8 23.8
 203 17.3 13.5 20.3





#79
 Terphenyl-d14
 Concen: 0.121 ng
 RT: 12.915 min Scan# 1840
 Delta R.T. -0.006 min
 Lab File: BF134815.D
 Acq: 16 Aug 2023 18:36

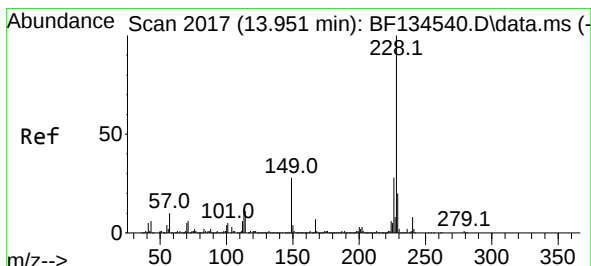
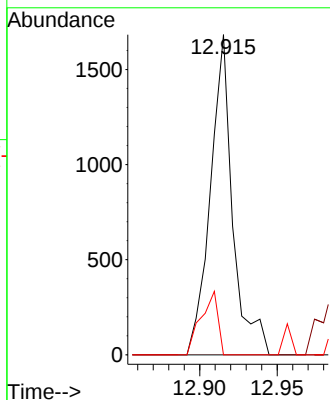
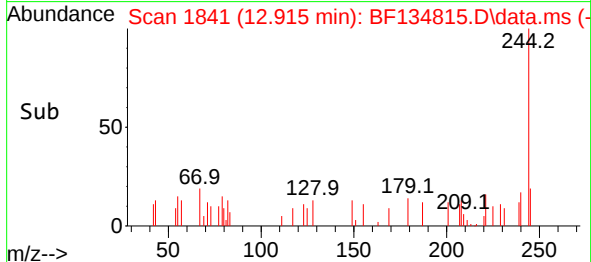
Instrument : BNA_F
 ClientSampleId : NEVINS-SB06-Z22-23DL2



Tgt Ion:244 Resp: 1682
 Ion Ratio Lower Upper
 244 100
 212 0.0 5.6 8.4
 122 0.0 8.0 12.0

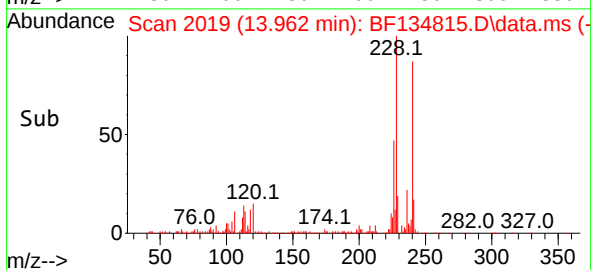
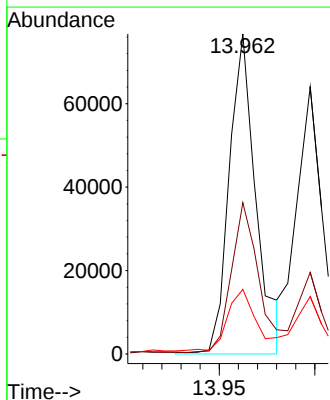
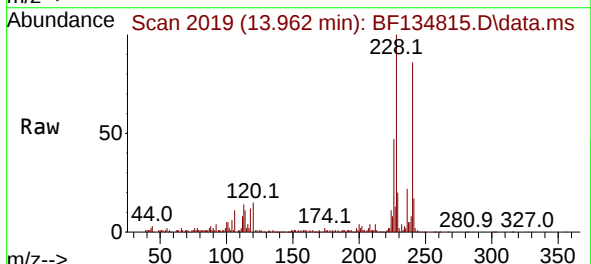
Manual Integrations
 APPROVED

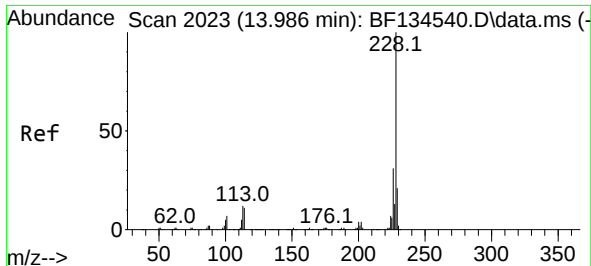
Reviewed By :Yogesh Patel 08/17/2023
 Supervised By :mohammad ahmed 08/17/2023



#81
 Benzo(a)anthracene
 Concen: 4.265 ng m
 RT: 13.962 min Scan# 2019
 Delta R.T. -0.000 min
 Lab File: BF134815.D
 Acq: 16 Aug 2023 18:36

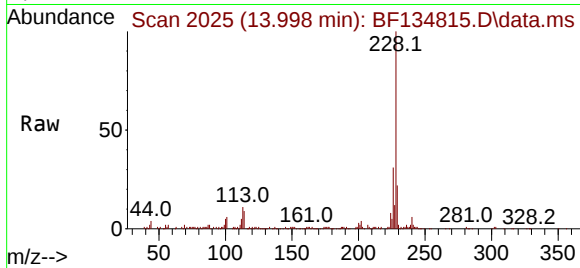
Tgt Ion:228 Resp: 74685
 Ion Ratio Lower Upper
 228 100
 226 47.3 22.3 33.5
 229 20.2 15.8 23.6





#83
Chrysene
Concen: 3.548 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF134815.D
Acq: 16 Aug 2023 18:36

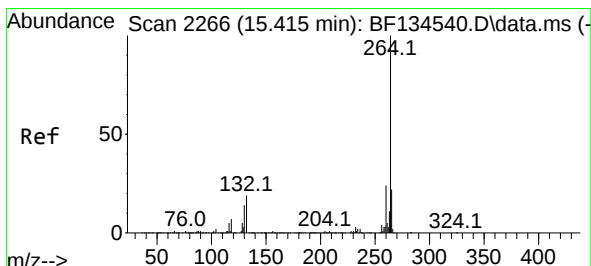
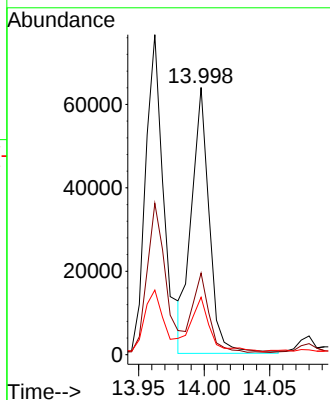
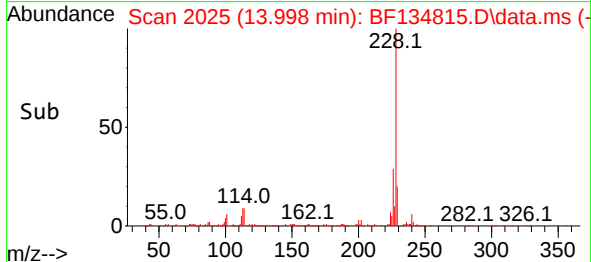
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z22-23DL2



Tgt Ion:228 Resp: 6053
Ion Ratio Lower Upper
228 100
226 30.5 24.5 36.7
229 21.5 15.8 23.8

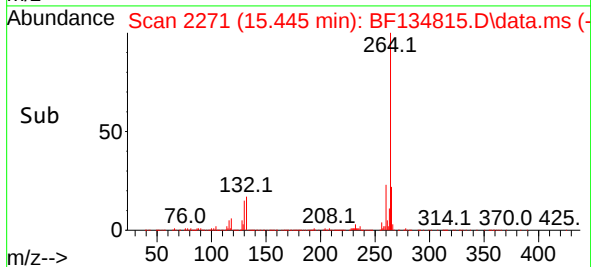
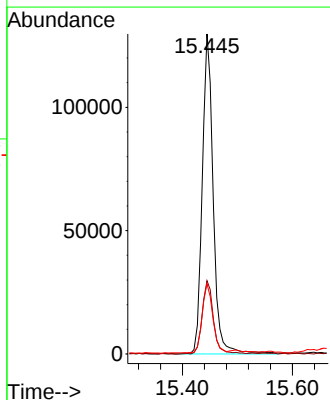
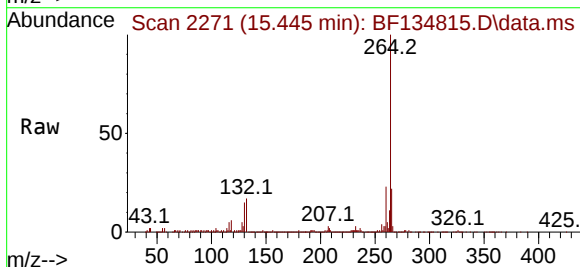
Manual Integrations
APPROVED

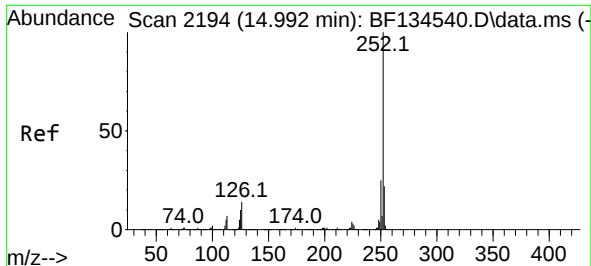
Reviewed By :Yogesh Patel 08/17/2023
Supervised By :mohammad ahmed 08/17/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2271
Delta R.T. 0.006 min
Lab File: BF134815.D
Acq: 16 Aug 2023 18:36

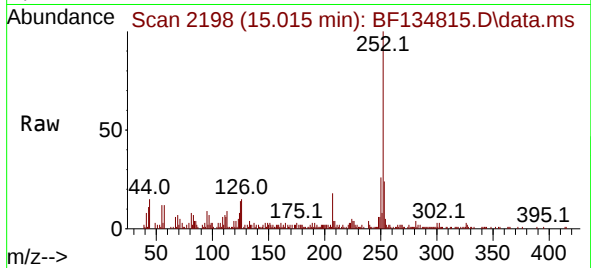
Tgt Ion:264 Resp: 179532
Ion Ratio Lower Upper
264 100
260 22.9 18.4 27.6
265 21.9 15.8 23.8





#88
Benzo(b)fluoranthene
Concen: 2.848 ng m
RT: 15.015 min Scan# 2194
Delta R.T. 0.006 min
Lab File: BF134815.D
Acq: 16 Aug 2023 18:36

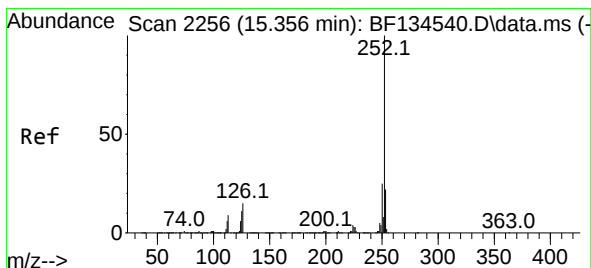
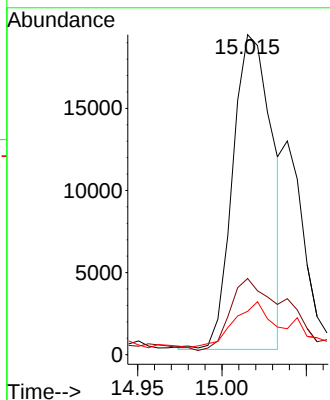
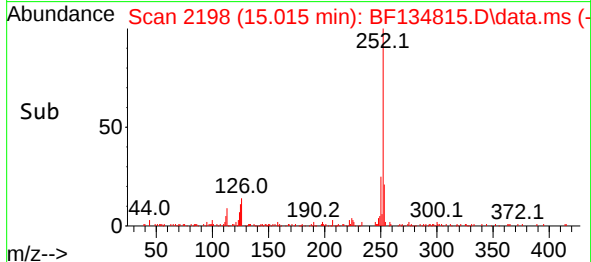
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z22-23DL2



Tgt Ion:252 Resp: 3118
Ion Ratio Lower Upper
252 100
253 23.8 17.3 25.9
125 13.5 6.0 9.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/17/2023
Supervised By :mohammad ahmed 08/17/2023



#90
Benzo(a)pyrene
Concen: 3.820 ng
RT: 15.380 min Scan# 2260
Delta R.T. -0.000 min
Lab File: BF134815.D
Acq: 16 Aug 2023 18:36

Tgt Ion:252 Resp: 38994
Ion Ratio Lower Upper
252 100
253 23.0 17.0 25.4
125 13.8 6.2 9.4

