

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082823\
 Data File : BF134960.D
 Acq On : 28 Aug 2023 10:41
 Operator : CG\JU
 Sample : 04110-13
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-TP-19(0-1)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/29/2023
 Supervised By :mohammad ahmed 08/29/2023

Quant Time: Aug 29 03:46:51 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 28 02:45:19 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.786	152	91629	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	356019	20.000	ng	0.00
39) Acenaphthene-d10	9.827	164	182938	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	339245	20.000	ng	0.00
76) Chrysene-d12	13.974	240	214980	20.000	ng	0.00
86) Perylene-d12	15.451	264	219685	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	453112	78.857	ng	0.00
7) Phenol-d6	6.428	99	574598	78.258	ng	-0.01
23) Nitrobenzene-d5	7.351	82	368732	57.071	ng	-0.01
42) 2,4,6-Tribromophenol	10.621	330	165744	76.927	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	676438	57.161	ng	-0.01
79) Terphenyl-d14	12.915	244	779218	49.853	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.086	128	53406	3.004	ng	99
52) Acenaphthene	9.857	154	44896	4.291	ng	97
71) Phenanthrene	11.345	178	249928	14.059	ng	99
72) Anthracene	11.392	178	72482	3.979	ng	98
73) Carbazole	11.551	167	34425	2.294	ng	98
75) Fluoranthene	12.539	202	522793	31.038	ng	99
78) Pyrene	12.768	202	477970	20.970	ng	99
81) Benzo(a)anthracene	13.968	228	260887	17.787	ng	95
83) Chrysene	14.004	228	241008	16.653	ng	98
87) Indeno(1,2,3-cd)pyrene	16.945	276	201983	12.863	ng	95
88) Benzo(b)fluoranthene	15.021	252	349249m	28.178	ng	
89) Benzo(k)fluoranthene	15.045	252	106606m	8.759	ng	
90) Benzo(a)pyrene	15.392	252	257809	20.836	ng	97
91) Dibenzo(a,h)anthracene	16.956	278	43865m	3.452	ng	
92) Benzo(g,h,i)perylene	17.397	276	198860	15.289	ng	98

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

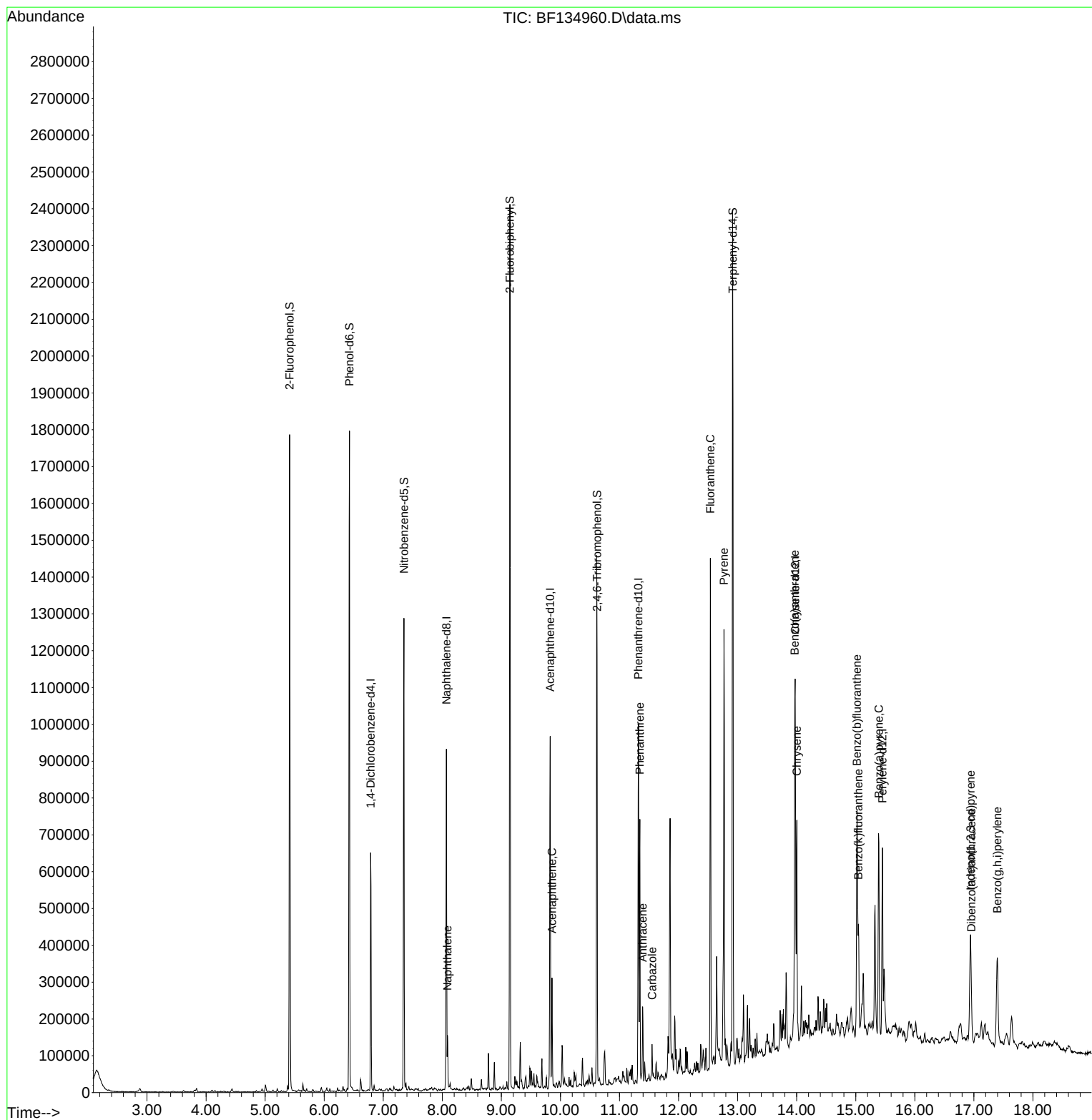
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082823\
Data File : BF134960.D
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ALS Vial : 5 Sample Multiplier: 1

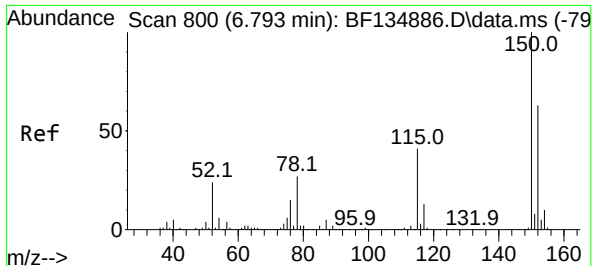
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Quant Time: Aug 29 03:46:51 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
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Supervised By :mohammad ahmed 08/29/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.786 min Scan# 799
Delta R.T. -0.007 min
Lab File: BF134960.D
Acq: 28 Aug 2023 10:41

Instrument :

BNA_F

ClientSampleId :

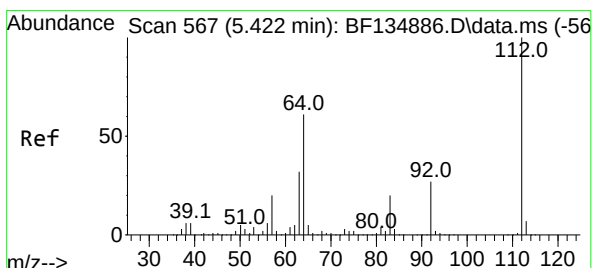
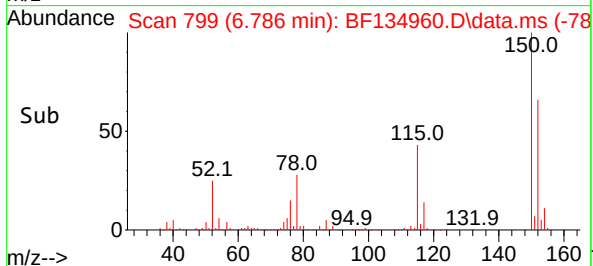
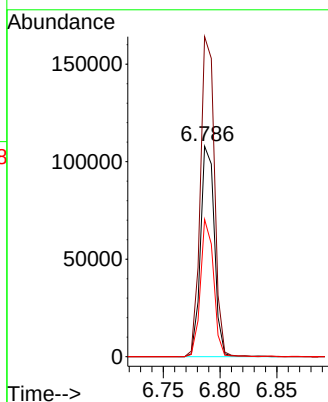
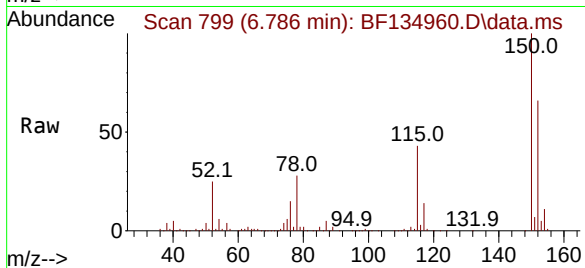
SS-TP-19(0-1)

Tgt Ion:152 Resp: 91629
Ion Ratio Lower Upper
152 100
150 152.1 126.1 189.1
115 65.3 51.1 76.7

Manual Integrations

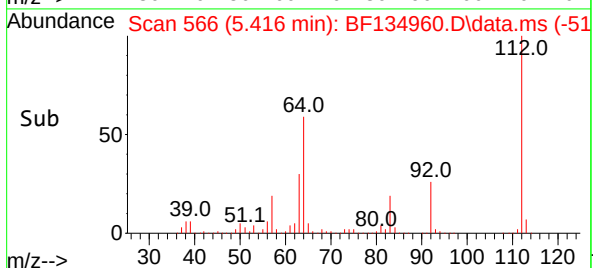
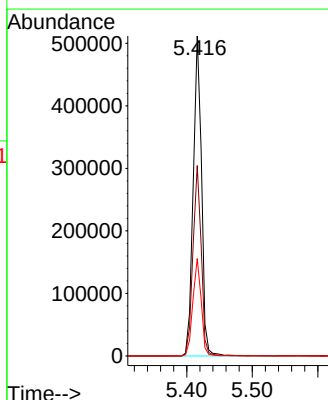
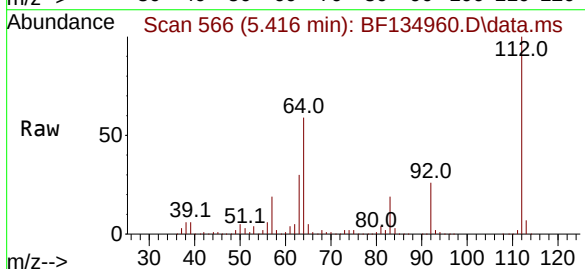
APPROVED

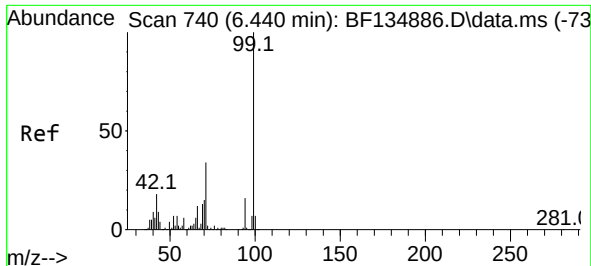
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#5
2-Fluorophenol
Concen: 78.857 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.006 min
Lab File: BF134960.D
Acq: 28 Aug 2023 10:41

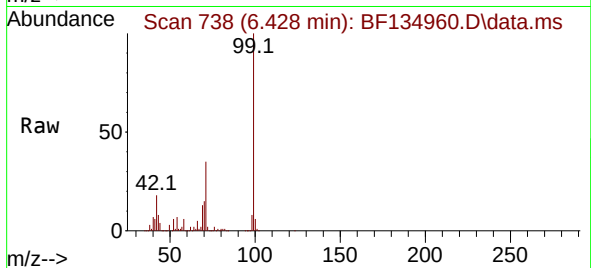
Tgt Ion:112 Resp: 453112
Ion Ratio Lower Upper
112 100
64 59.5 48.6 73.0
63 30.5 25.7 38.5





#7
Phenol-d6
Concen: 78.258 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134960.D
Acq: 28 Aug 2023 10:41

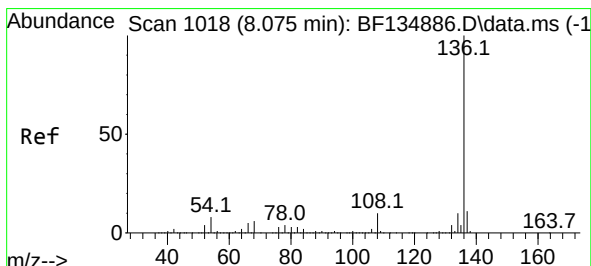
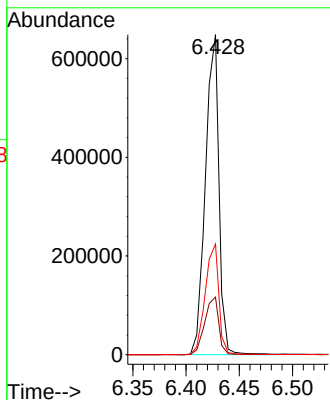
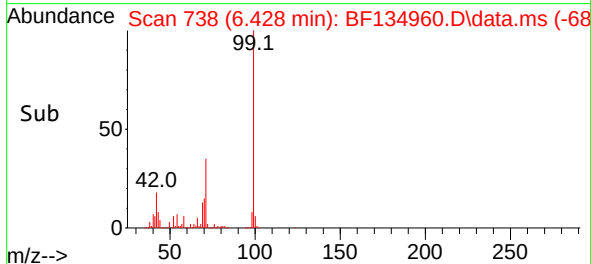
Instrument :
BNA_F
ClientSampleId :
SS-TP-19(0-1)



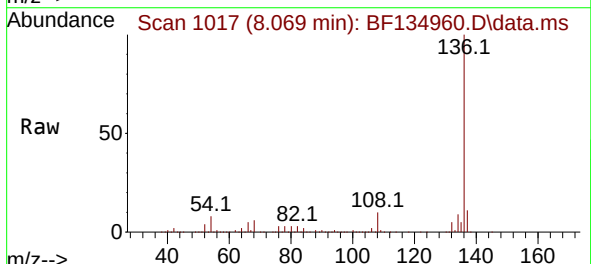
Tgt Ion: 99 Resp: 574598
Ion Ratio Lower Upper
99 100
42 18.0 14.6 22.0
71 34.6 27.6 41.4

Manual Integrations
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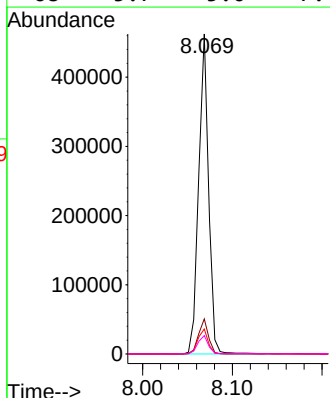
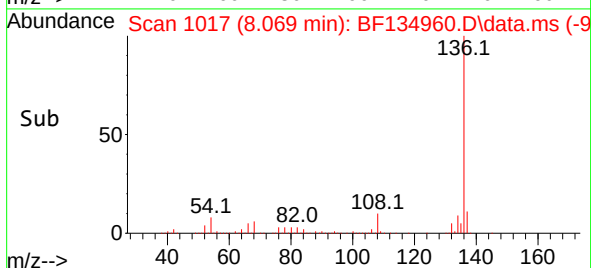
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023

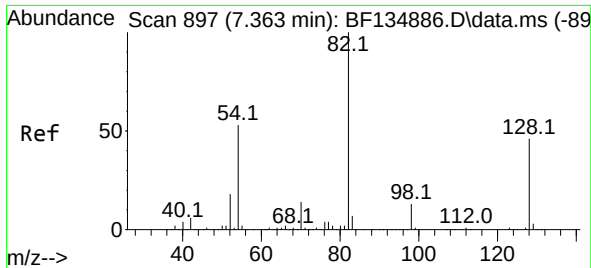


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF134960.D
Acq: 28 Aug 2023 10:41



Tgt Ion:136 Resp: 356019
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.8 6.6 9.8
68 5.7 5.0 7.4





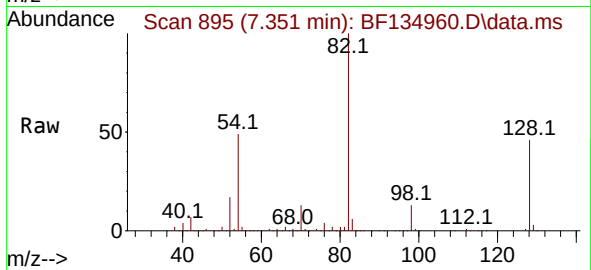
#23
Nitrobenzene-d5
Concen: 57.071 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF134960.D
Acq: 28 Aug 2023 10:41

Instrument :

BNA_F

ClientSampleId :

SS-TP-19(0-1)

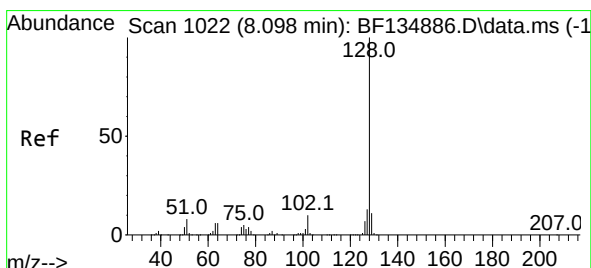
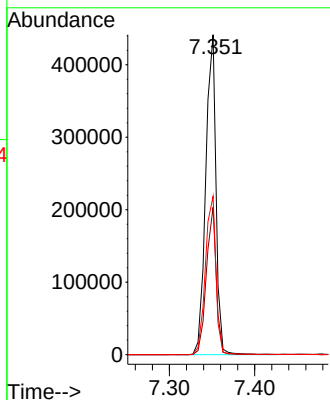
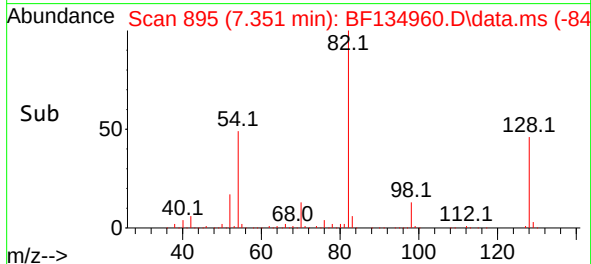


Tgt Ion: 82 Resp: 368732
Ion Ratio Lower Upper
82 100
128 46.1 36.6 54.8
54 49.5 42.6 63.8

Manual Integrations

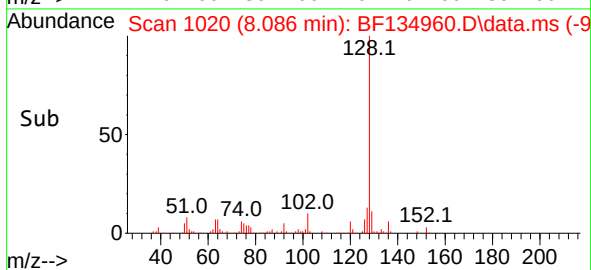
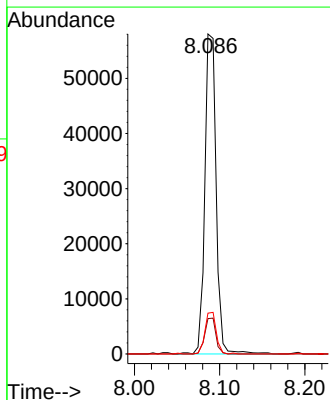
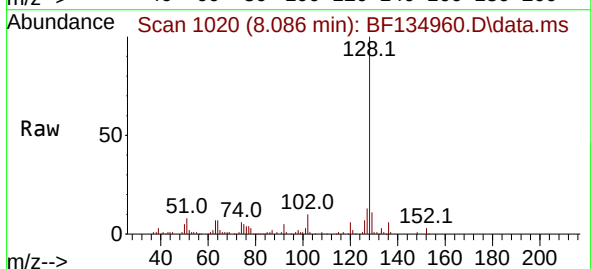
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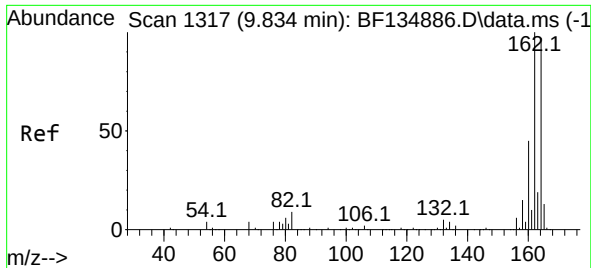
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#31
Naphthalene
Concen: 3.004 ng
RT: 8.086 min Scan# 1020
Delta R.T. -0.012 min
Lab File: BF134960.D
Acq: 28 Aug 2023 10:41

Tgt Ion:128 Resp: 53406
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 12.8 10.6 16.0





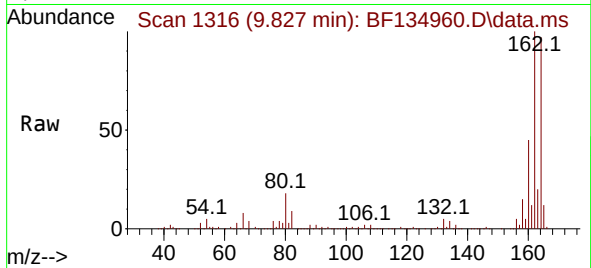
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134960.D
Acq: 28 Aug 2023 10:41

Instrument :

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SS-TP-19(0-1)

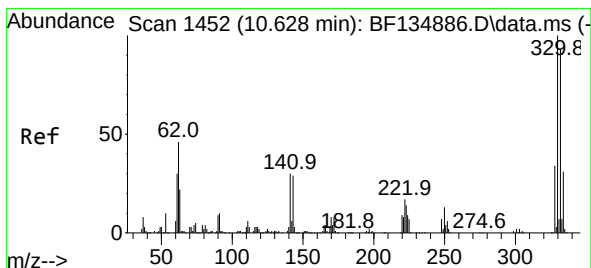
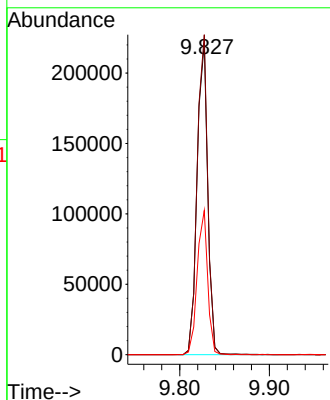
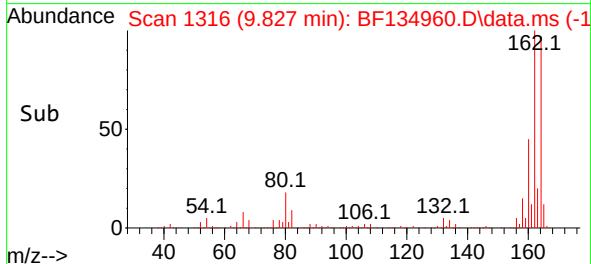


Tgt Ion:164 Resp: 182938
Ion Ratio Lower Upper
164 100
162 102.6 82.6 123.8
160 46.2 37.0 55.4

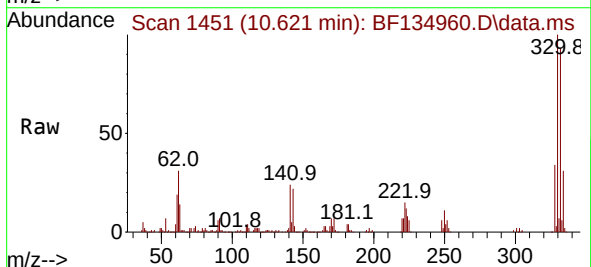
Manual Integrations

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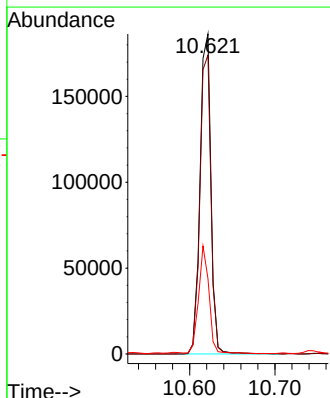
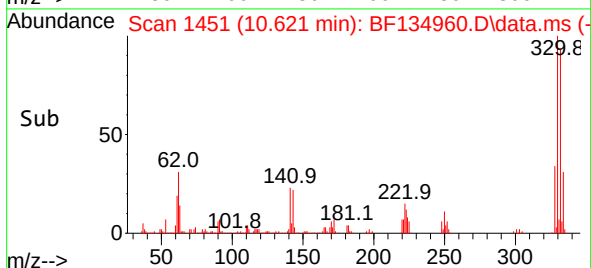
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023

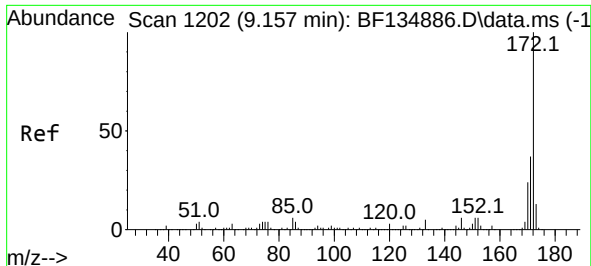


#42
2,4,6-Tribromophenol
Concen: 76.927 ng
RT: 10.621 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134960.D
Acq: 28 Aug 2023 10:41



Tgt Ion:330 Resp: 165744
Ion Ratio Lower Upper
330 100
332 95.0 76.3 114.5
141 32.3 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 57.161 ng

RT: 9.145 min Scan# 1200

Delta R.T. -0.012 min

Lab File: BF134960.D

Acq: 28 Aug 2023 10:41

Instrument :

BNA_F

ClientSampleId :

SS-TP-19(0-1)

Tgt Ion:172 Resp: 676438

Ion Ratio Lower Upper

172 100

171 35.1 29.4 44.0

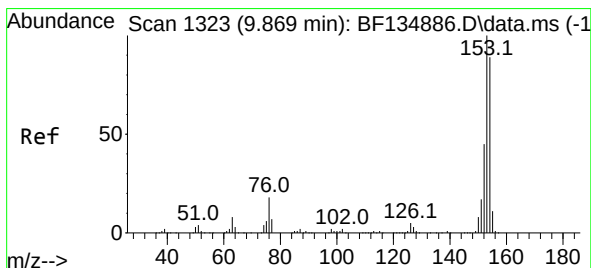
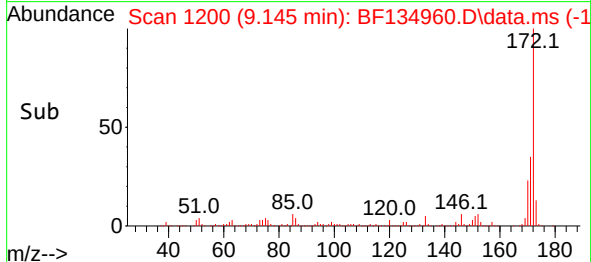
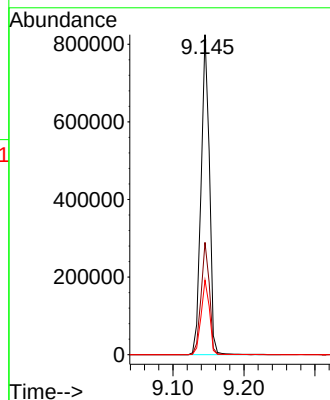
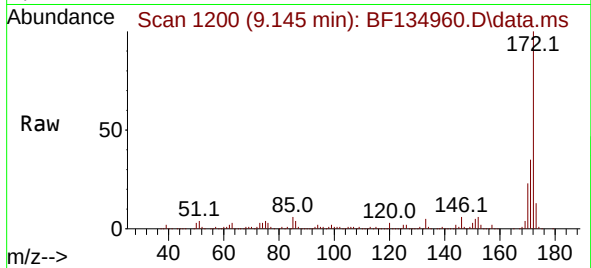
170 23.3 19.6 29.4

Manual Integrations

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Reviewed By :Yogesh Patel 08/29/2023

Supervised By :mohammad ahmed 08/29/2023



#52

Acenaphthene

Concen: 4.291 ng

RT: 9.857 min Scan# 1321

Delta R.T. -0.012 min

Lab File: BF134960.D

Acq: 28 Aug 2023 10:41

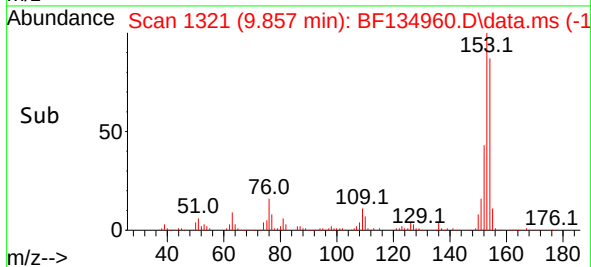
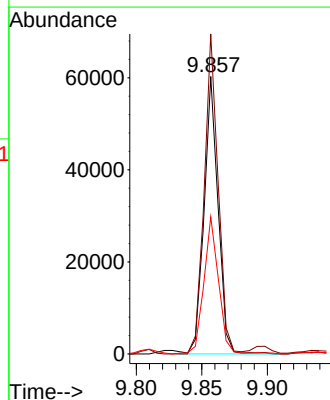
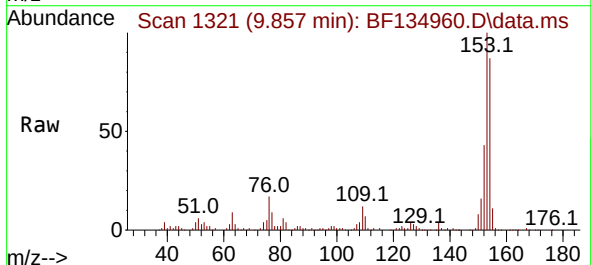
Tgt Ion:154 Resp: 44896

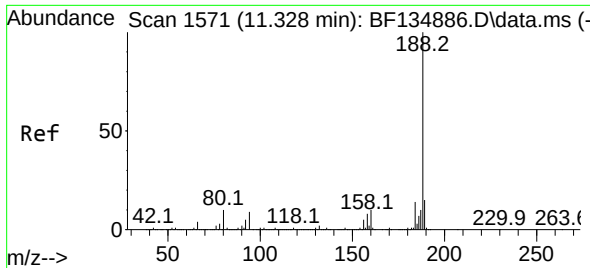
Ion Ratio Lower Upper

154 100

153 115.4 89.6 134.4

152 49.4 40.5 60.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.321 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134960.D
Acq: 28 Aug 2023 10:41

Instrument :

BNA_F

ClientSampleId :

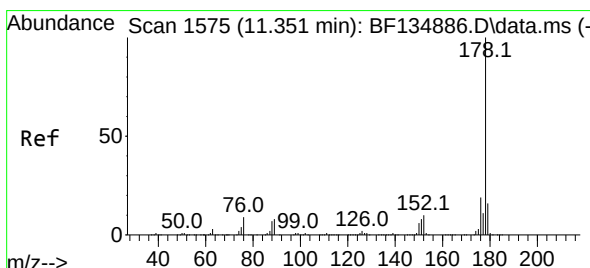
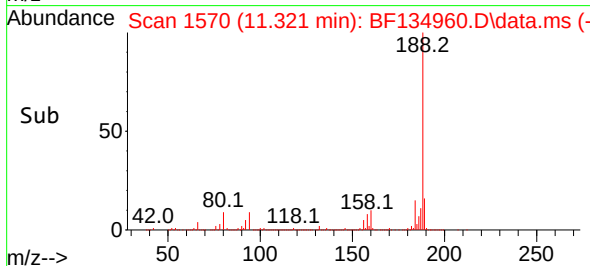
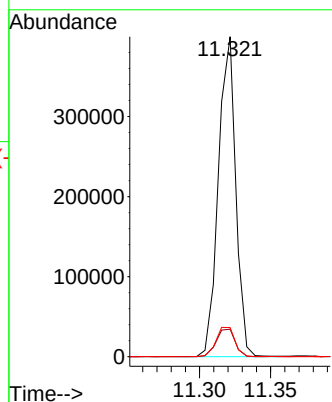
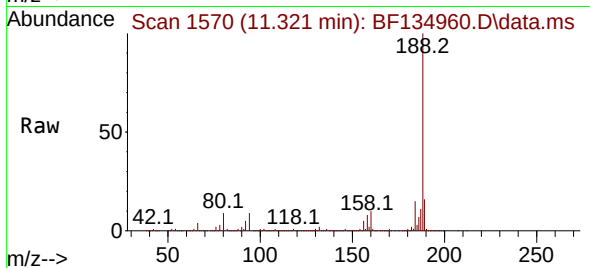
SS-TP-19(0-1)

Tgt Ion:188 Resp: 33924
Ion Ratio Lower Upper
188 100
94 8.6 7.5 11.3
80 9.1 7.8 11.6

Manual Integrations

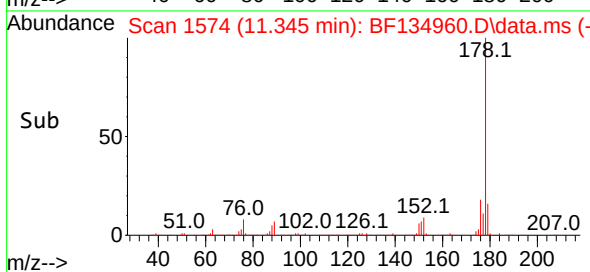
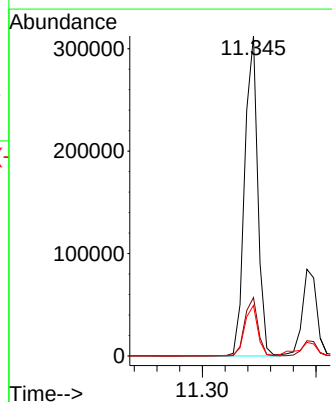
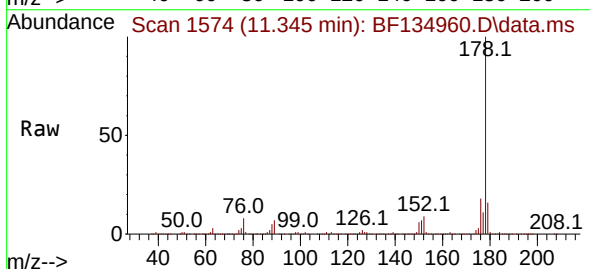
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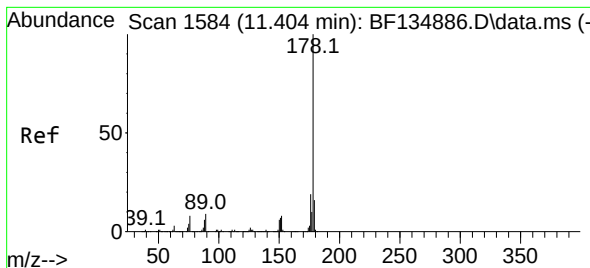
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#71
Phenanthrene
Concen: 14.059 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF134960.D
Acq: 28 Aug 2023 10:41

Tgt Ion:178 Resp: 249928
Ion Ratio Lower Upper
178 100
176 18.3 15.5 23.3
179 15.8 12.6 19.0





#72

Anthracene

Concen: 3.979 ng

RT: 11.392 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134960.D

Acq: 28 Aug 2023 10:41

Instrument :

BNA_F

ClientSampleId :

SS-TP-19(0-1)

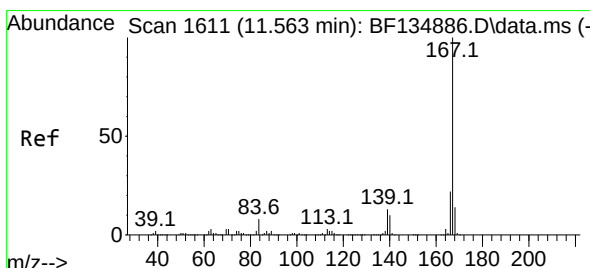
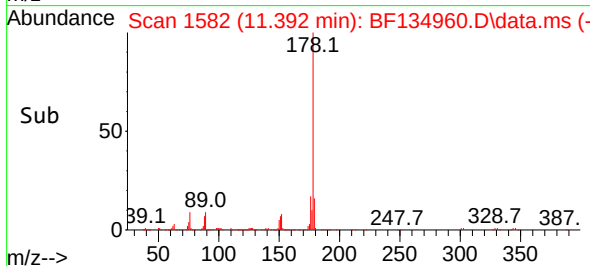
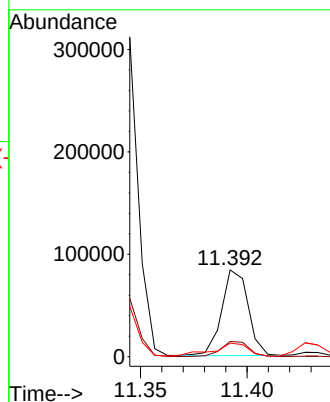
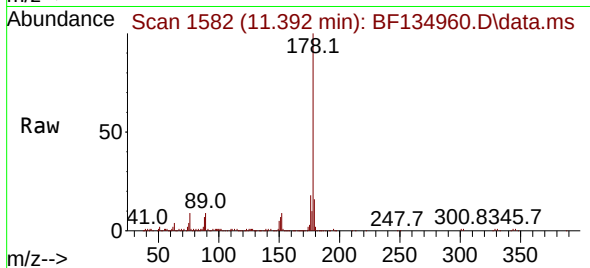
Tgt Ion:178	Resp:	7248
Ion Ratio	Lower	Upper
178	100	
176	17.5	15.0 22.6
179	15.7	12.5 18.7

Manual Integrations

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Reviewed By :Yogesh Patel 08/29/2023

Supervised By :mohammad ahmed 08/29/2023



#73

Carbazole

Concen: 2.294 ng

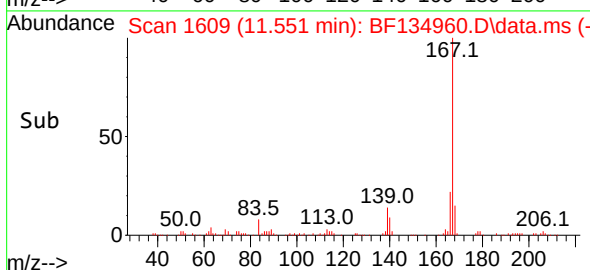
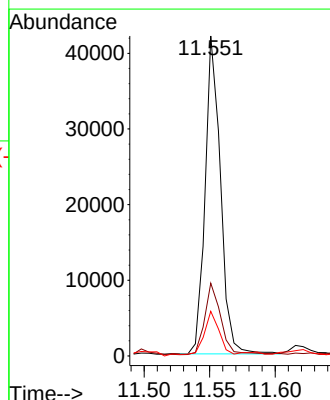
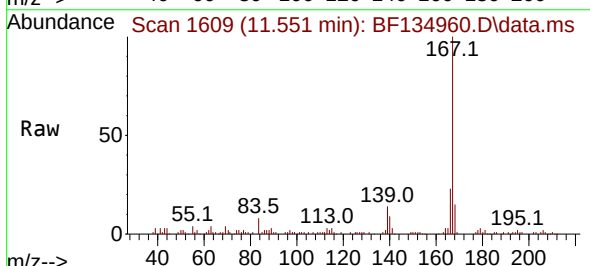
RT: 11.551 min Scan# 1609

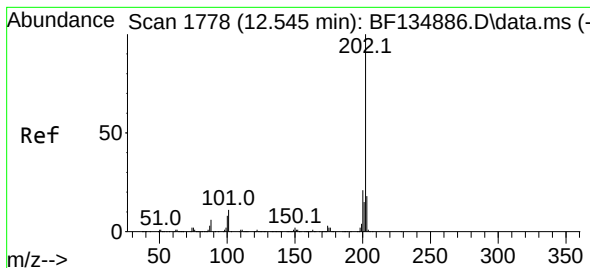
Delta R.T. -0.012 min

Lab File: BF134960.D

Acq: 28 Aug 2023 10:41

Tgt Ion:167	Resp:	34425
Ion Ratio	Lower	Upper
167	100	
166	22.8	17.4 26.2
139	14.0	10.4 15.6





#75
Fluoranthene
Concen: 31.038 ng
RT: 12.539 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134960.D
Acq: 28 Aug 2023 10:41

Instrument :

BNA_F

ClientSampleId :

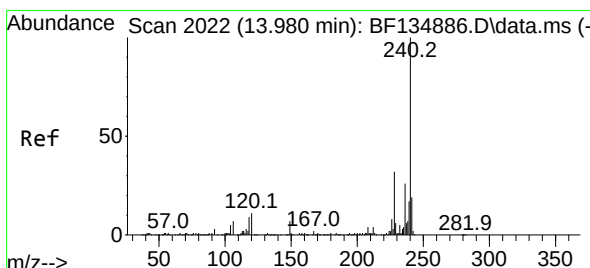
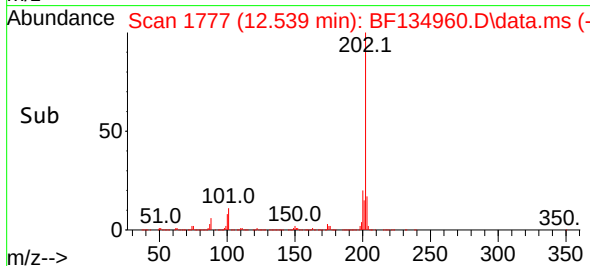
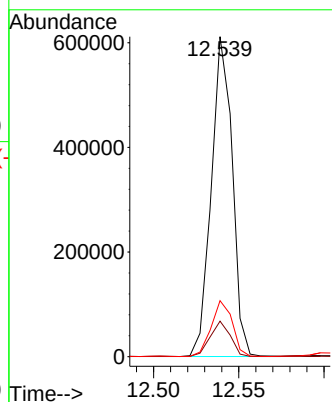
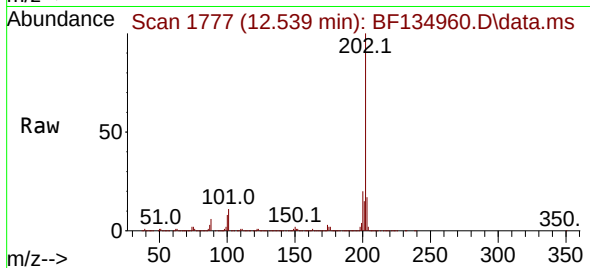
SS-TP-19(0-1)

Tgt Ion:202 Resp: 52279
Ion Ratio Lower Upper
202 100
101 11.1 0.0 30.5
203 17.5 0.0 37.8

Manual Integrations

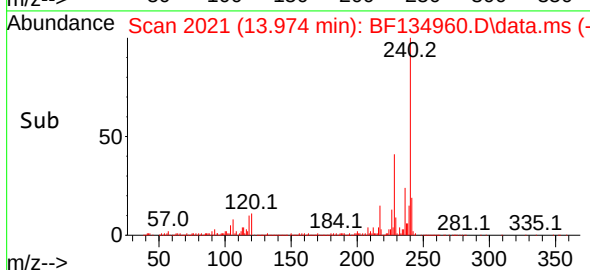
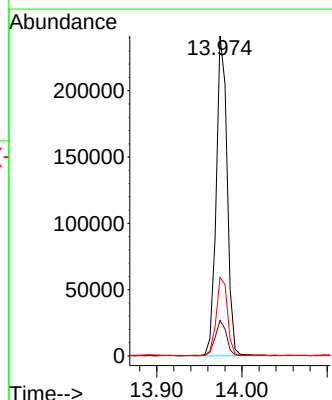
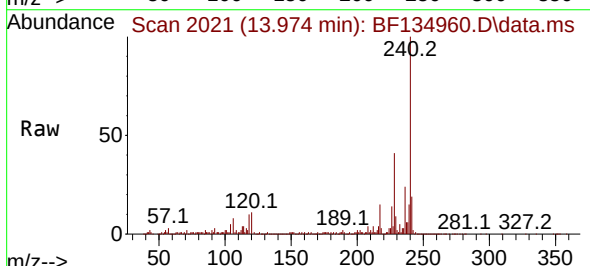
APPROVED

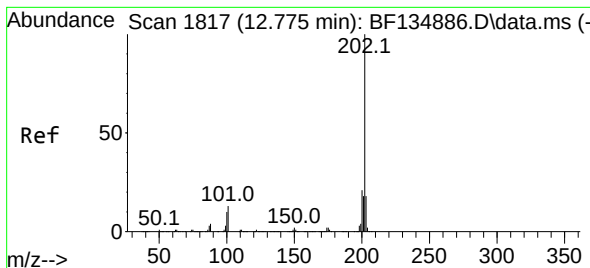
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF134960.D
Acq: 28 Aug 2023 10:41

Tgt Ion:240 Resp: 214980
Ion Ratio Lower Upper
240 100
120 11.2 8.6 12.8
236 24.5 20.6 31.0





#78

Pyrene

Concen: 20.970 ng

RT: 12.768 min Scan# 1816

Delta R.T. -0.006 min

Lab File: BF134960.D

Acq: 28 Aug 2023 10:41

Instrument :

BNA_F

ClientSampleId :

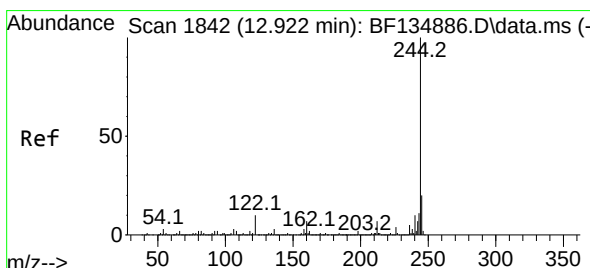
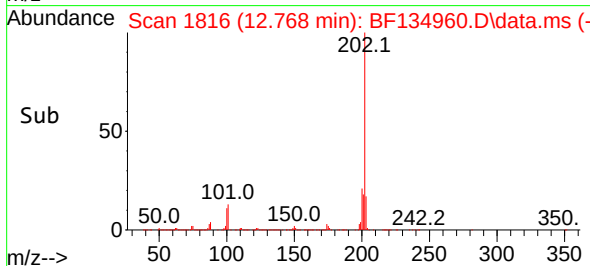
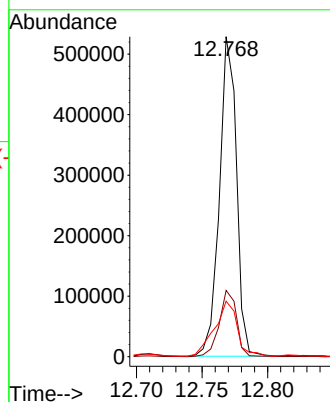
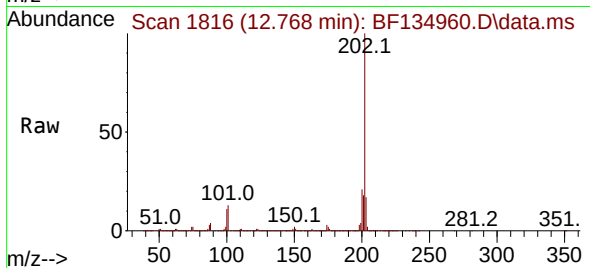
SS-TP-19(0-1)

Tgt Ion:202 Resp: 477970
 Ion Ratio Lower Upper
 202 100
 200 20.7 17.1 25.7
 203 17.3 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/29/2023
 Supervised By :mohammad ahmed 08/29/2023



#79

Terphenyl-d14

Concen: 49.853 ng

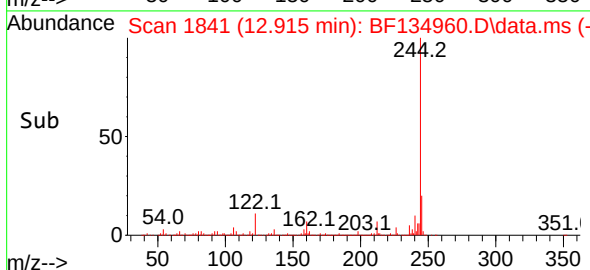
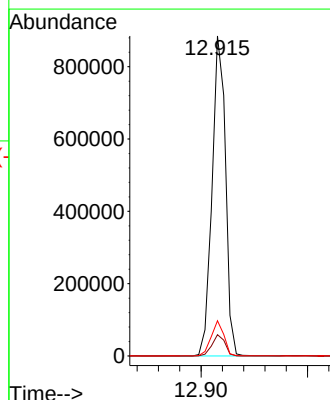
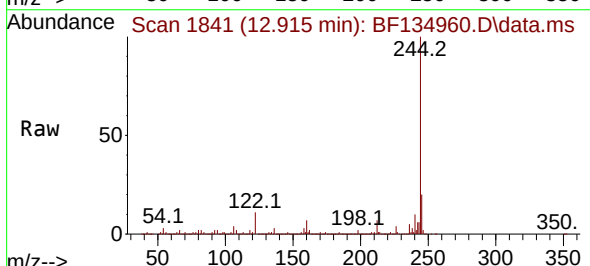
RT: 12.915 min Scan# 1841

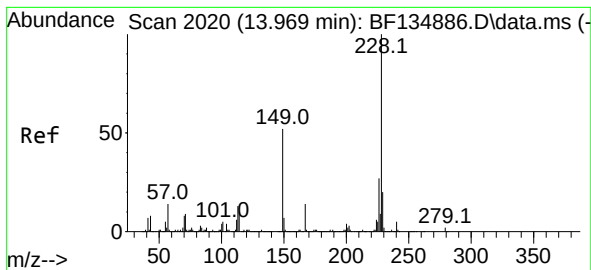
Delta R.T. -0.007 min

Lab File: BF134960.D

Acq: 28 Aug 2023 10:41

Tgt Ion:244 Resp: 779218
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 11.0 8.2 12.4





#81

Benzo(a)anthracene

Concen: 17.787 ng

RT: 13.968 min Scan# 2020

Delta R.T. -0.000 min

Lab File: BF134960.D

Acq: 28 Aug 2023 10:41

Instrument :

BNA_F

ClientSampleId :

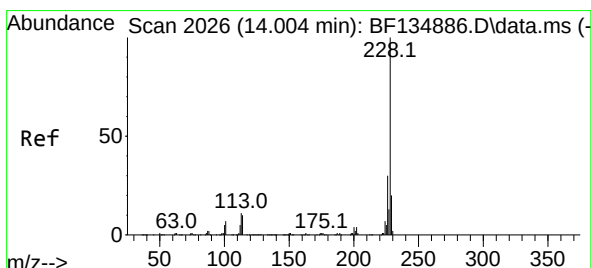
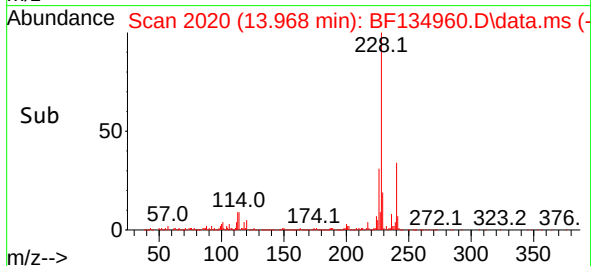
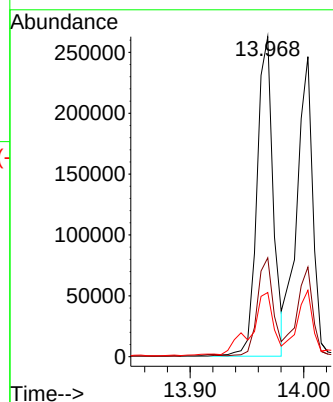
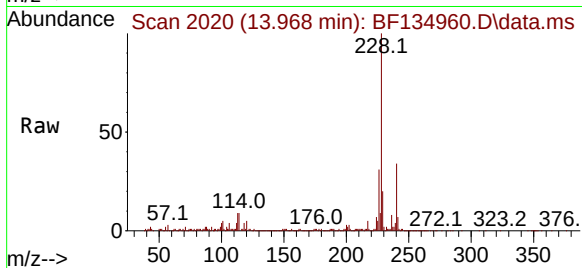
SS-TP-19(0-1)

Tgt Ion:228 Resp: 26088
 Ion Ratio Lower Upper
 228 100
 226 30.9 21.8 32.6
 229 20.0 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/29/2023
 Supervised By :mohammad ahmed 08/29/2023



#83

Chrysene

Concen: 16.653 ng

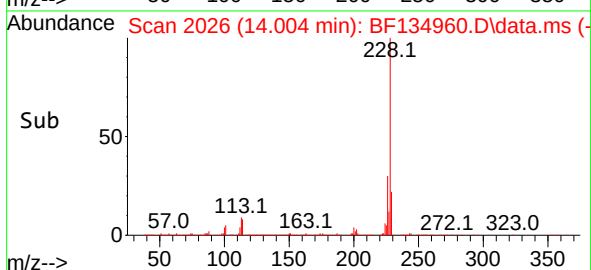
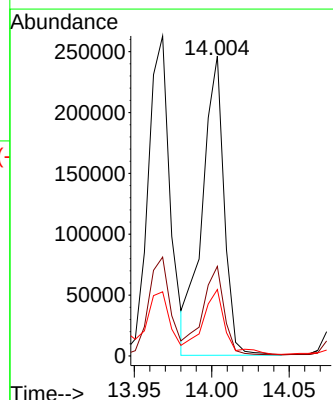
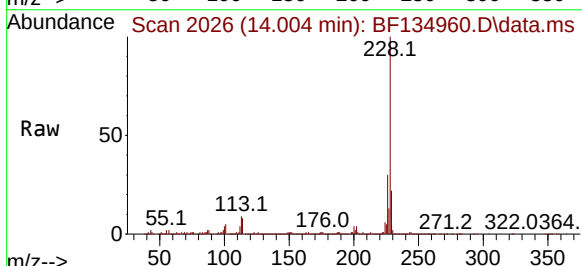
RT: 14.004 min Scan# 2026

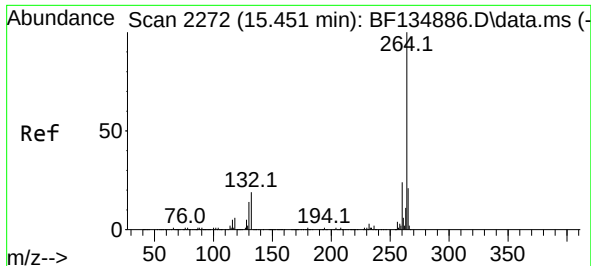
Delta R.T. -0.000 min

Lab File: BF134960.D

Acq: 28 Aug 2023 10:41

Tgt Ion:228 Resp: 241008
 Ion Ratio Lower Upper
 228 100
 226 29.9 24.2 36.2
 229 22.1 16.0 24.0





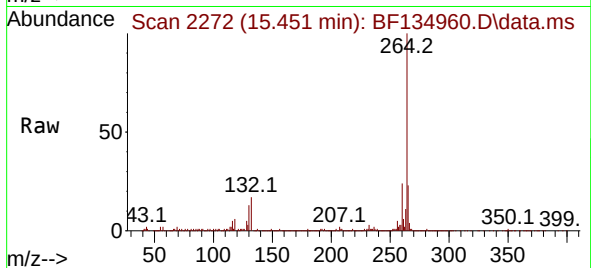
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 211
Delta R.T. -0.000 min
Lab File: BF134960.D
Acq: 28 Aug 2023 10:41

Instrument :

BNA_F

ClientSampleId :

SS-TP-19(0-1)

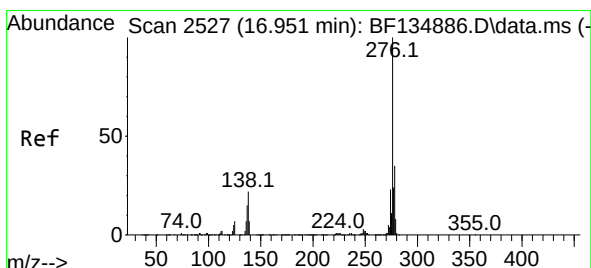
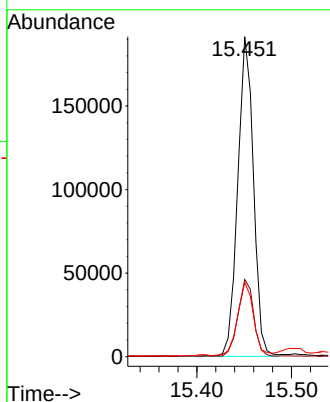
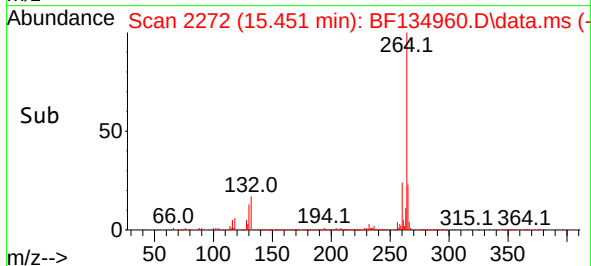


Tgt Ion:264 Resp: 21968
Ion Ratio Lower Upper
264 100
260 24.1 19.0 28.6
265 23.2 17.1 25.7

Manual Integrations

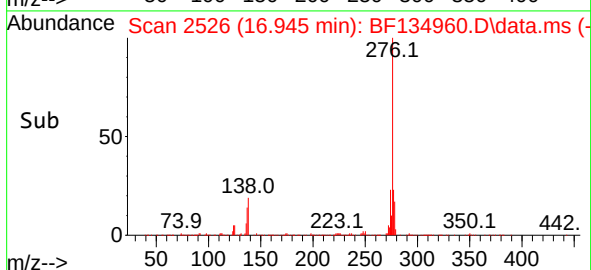
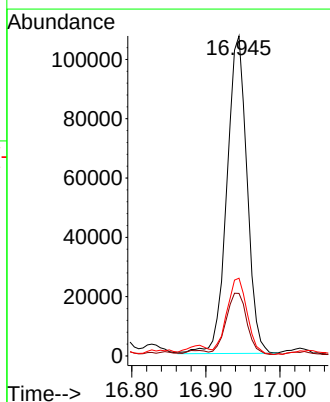
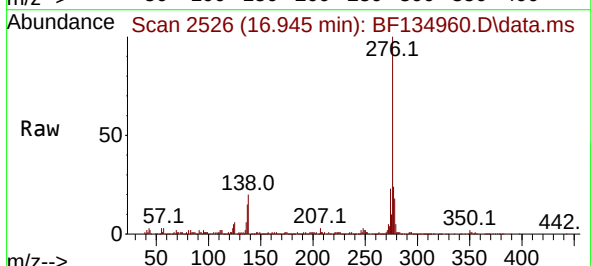
APPROVED

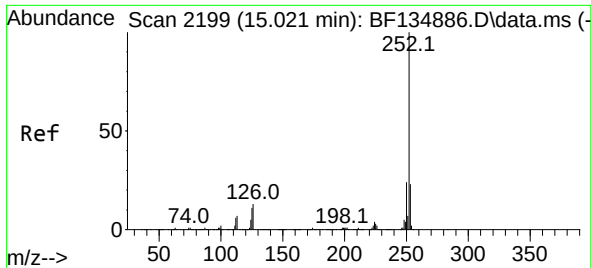
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 12.863 ng
RT: 16.945 min Scan# 2526
Delta R.T. -0.006 min
Lab File: BF134960.D
Acq: 28 Aug 2023 10:41

Tgt Ion:276 Resp: 201983
Ion Ratio Lower Upper
276 100
138 20.0 19.7 29.5
277 24.3 20.1 30.1





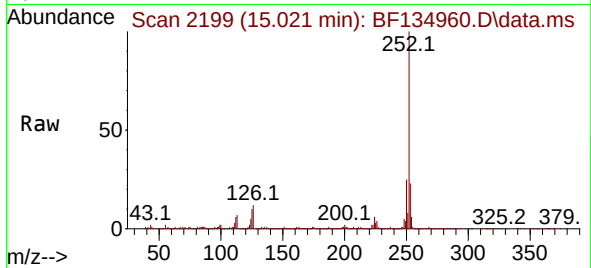
#88
Benzo(b)fluoranthene
Concen: 28.178 ng m
RT: 15.021 min Scan# 2199
Delta R.T. -0.000 min
Lab File: BF134960.D
Acq: 28 Aug 2023 10:41

Instrument :

BNA_F

ClientSampleId :

SS-TP-19(0-1)

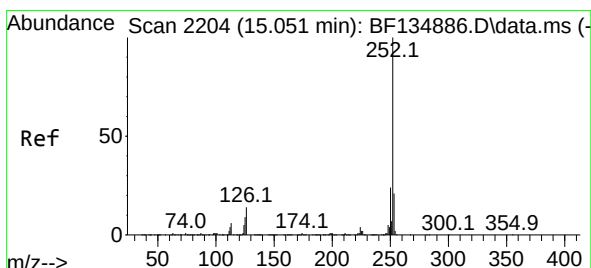
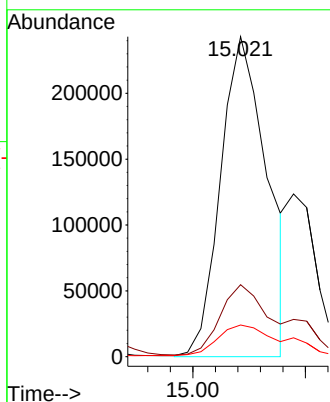
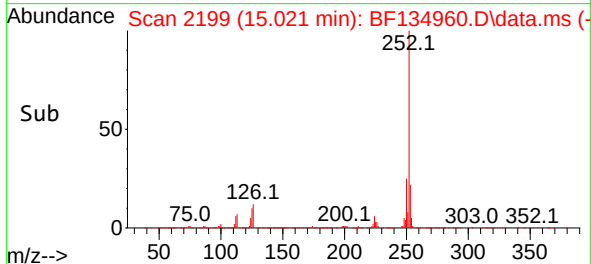


Tgt Ion:252 Resp: 349249
Ion Ratio Lower Upper
252 100
253 22.5 18.1 27.1
125 9.9 8.4 12.6

Manual Integrations

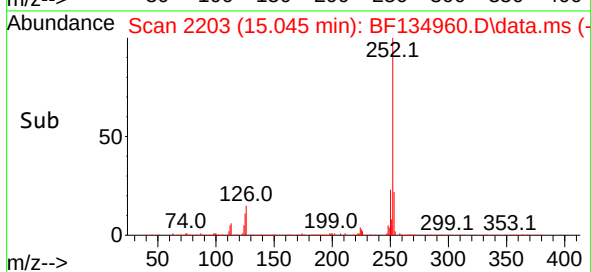
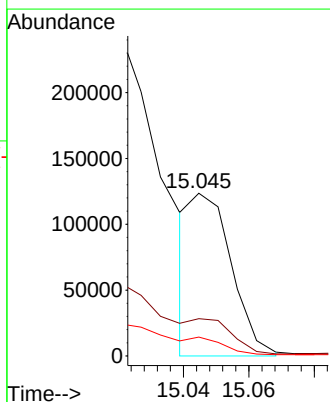
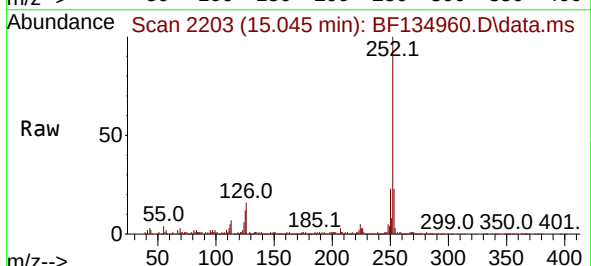
APPROVED

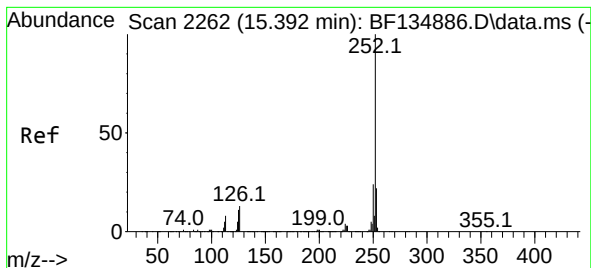
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#89
Benzo(k)fluoranthene
Concen: 8.759 ng m
RT: 15.045 min Scan# 2203
Delta R.T. -0.006 min
Lab File: BF134960.D
Acq: 28 Aug 2023 10:41

Tgt Ion:252 Resp: 106606
Ion Ratio Lower Upper
252 100
253 22.9 17.1 25.7
125 11.6 8.0 12.0





#90

Benzo(a)pyrene

Concen: 20.836 ng

RT: 15.392 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF134960.D

Acq: 28 Aug 2023 10:41

Instrument :

BNA_F

ClientSampleId :

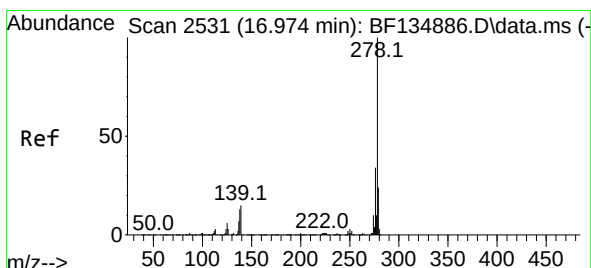
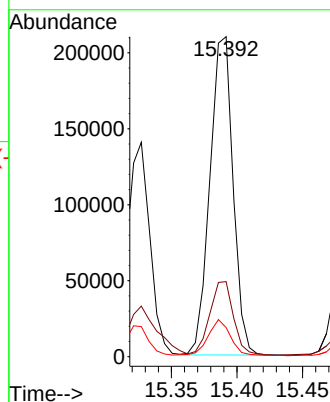
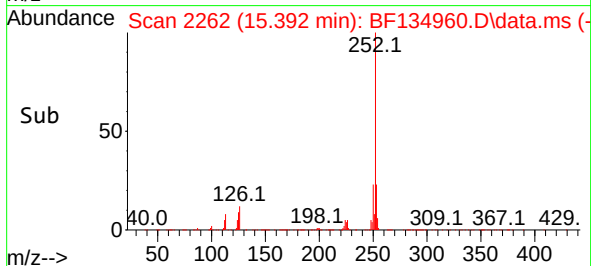
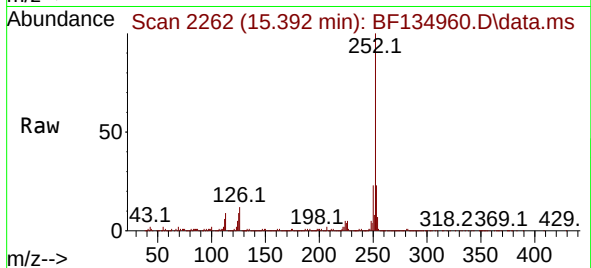
SS-TP-19(0-1)

Tgt Ion:252 Resp: 257809
 Ion Ratio Lower Upper
 252 100
 253 23.5 17.6 26.4
 125 9.1 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/29/2023
 Supervised By :mohammad ahmed 08/29/2023



#91

Dibenzo(a,h)anthracene

Concen: 3.452 ng m

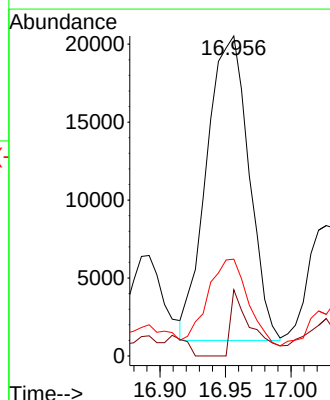
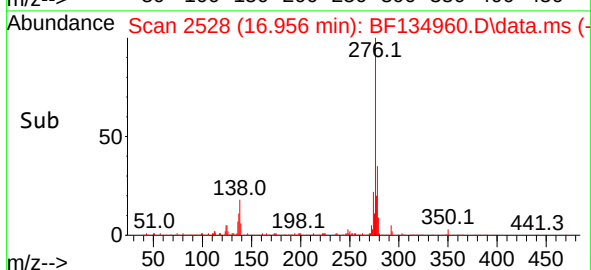
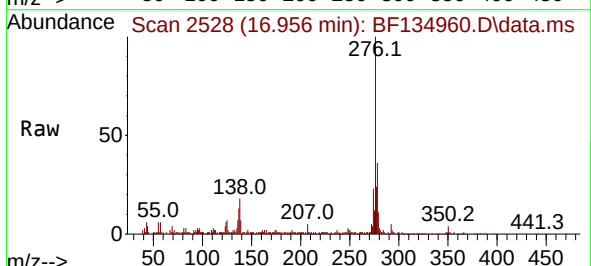
RT: 16.956 min Scan# 2528

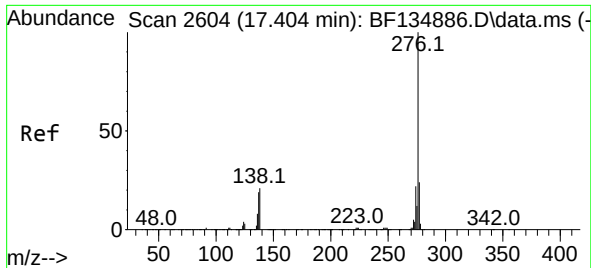
Delta R.T. -0.018 min

Lab File: BF134960.D

Acq: 28 Aug 2023 10:41

Tgt Ion:278 Resp: 43865
 Ion Ratio Lower Upper
 278 100
 139 20.7 12.2 18.4#
 279 30.3 19.1 28.7#





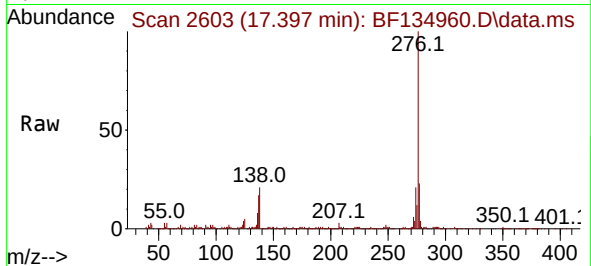
#92
 Benzo(g,h,i)perylene
 Concen: 15.289 ng
 RT: 17.397 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF134960.D
 Acq: 28 Aug 2023 10:41

Instrument :

BNA_F

ClientSampleId :

SS-TP-19(0-1)



Tgt Ion:276 Resp: 198860
 Ion Ratio Lower Upper
 276 100
 277 23.2 19.2 28.8
 138 20.6 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/29/2023

Supervised By :mohammad ahmed 08/29/2023

