

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082523\
 Data File : BF134954.D
 Acq On : 25 Aug 2023 22:25
 Operator : CG\JU
 Sample : 04133-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-2-082323

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/28/2023
 Supervised By :mohammad ahmed 08/28/2023

Quant Time: Aug 26 02:53:25 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 22 19:33:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.786	152	115939	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	439978	20.000	ng	0.00
39) Acenaphthene-d10	9.827	164	203956	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	323154	20.000	ng	0.00
76) Chrysene-d12	13.980	240	215269	20.000	ng	0.00
86) Perylene-d12	15.456	264	164603	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	218025	29.988	ng	-0.01
7) Phenol-d6	6.422	99	271389	29.212	ng	-0.02
23) Nitrobenzene-d5	7.345	82	152666	19.120	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	55917	23.278	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	302944	22.962	ng	-0.01
79) Terphenyl-d14	12.915	244	288534	18.435	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.686	152	69255	3.740	ng	98
58) Fluorene	10.374	166	69881	5.424	ng	99
71) Phenanthrene	11.345	178	710341	41.948	ng	100
72) Anthracene	11.392	178	152622	8.796	ng	99
75) Fluoranthene	12.545	202	841548	52.449	ng	99
78) Pyrene	12.774	202	896109	39.261	ng	100
81) Benzo(a)anthracene	13.968	228	346001m	23.558	ng	
83) Chrysene	14.004	228	342957m	23.666	ng	
87) Indeno(1,2,3-cd)pyrene	16.945	276	107027	9.097	ng	98
88) Benzo(b)fluoranthene	15.021	252	271643m	29.250	ng	
89) Benzo(k)fluoranthene	15.051	252	94619m	10.376	ng	
90) Benzo(a)pyrene	15.392	252	196439	21.189	ng	97
91) Dibenzo(a,h)anthracene	16.956	278	26098	2.741	ng	# 78
92) Benzo(g,h,i)perylene	17.403	276	100226	10.285	ng	95

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

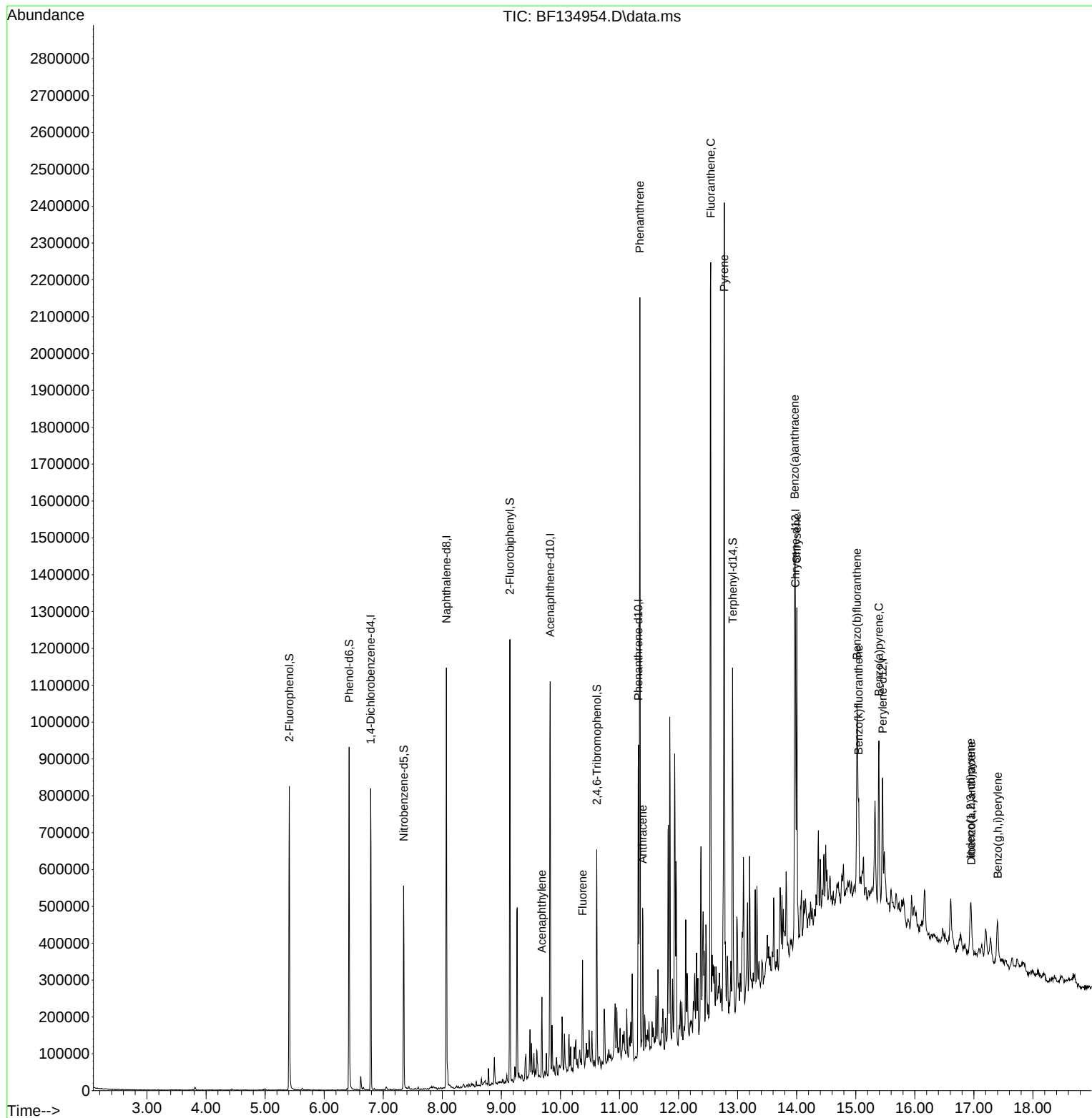
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082523\
Data File : BF134954.D
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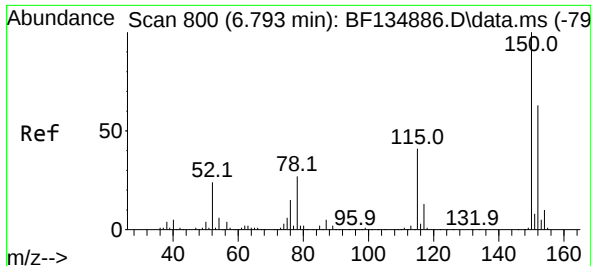
Instrument :
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Quant Time: Aug 26 02:53:25 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
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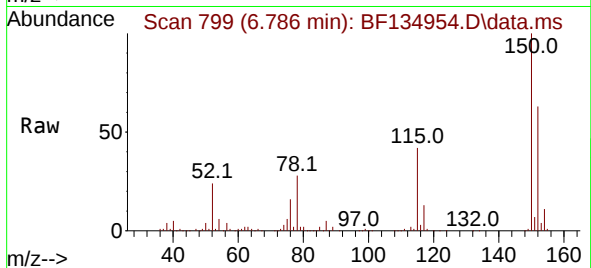
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.786 min Scan# 79
Delta R.T. -0.007 min
Lab File: BF134954.D
Acq: 25 Aug 2023 22:25

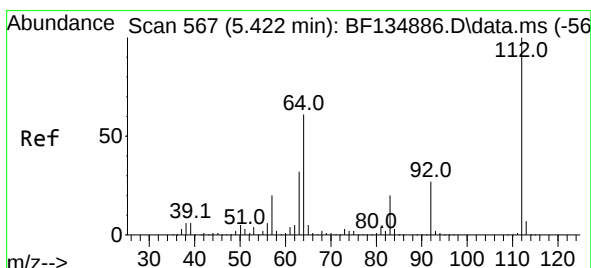
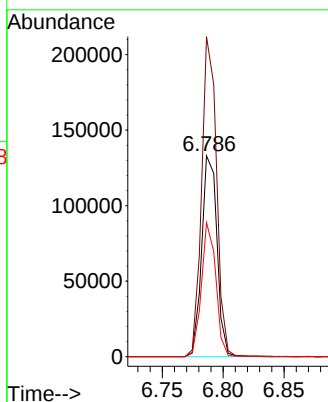
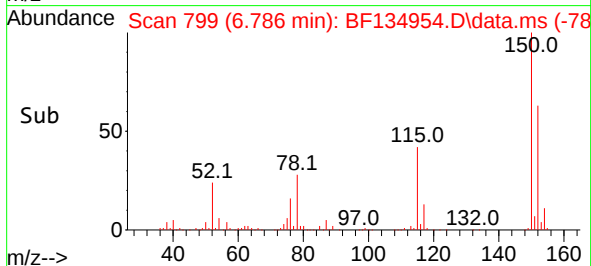
Instrument :
BNA_F
ClientSampleId :
OK-2-082323



Tgt Ion:152 Resp: 115939
Ion Ratio Lower Upper
152 100
150 159.3 126.1 189.1
115 66.8 51.1 76.7

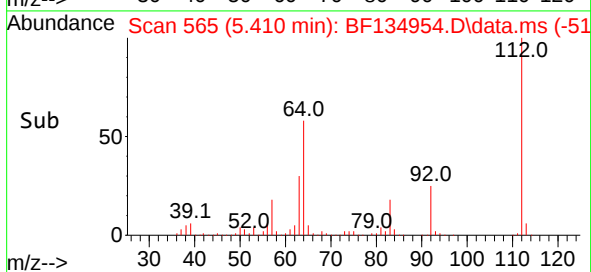
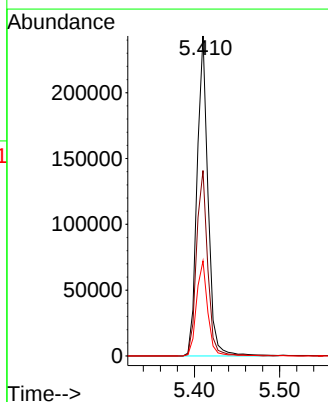
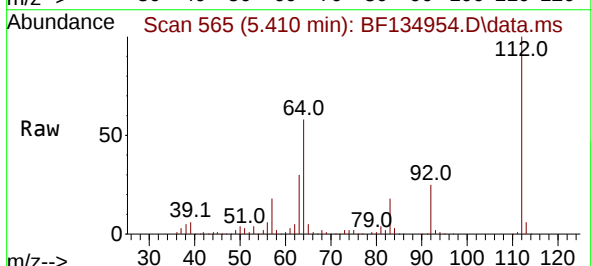
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Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023



#5
2-Fluorophenol
Concen: 29.988 ng
RT: 5.410 min Scan# 565
Delta R.T. -0.012 min
Lab File: BF134954.D
Acq: 25 Aug 2023 22:25

Tgt Ion:112 Resp: 218025
Ion Ratio Lower Upper
112 100
64 58.0 48.6 73.0
63 29.7 25.7 38.5





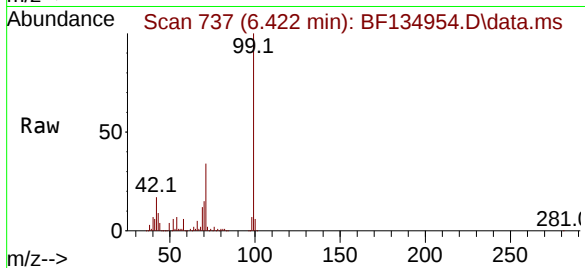
#7
Phenol-d6
Concen: 29.212 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF134954.D
Acq: 25 Aug 2023 22:25

Instrument :

BNA_F

ClientSampleId :

OK-2-082323



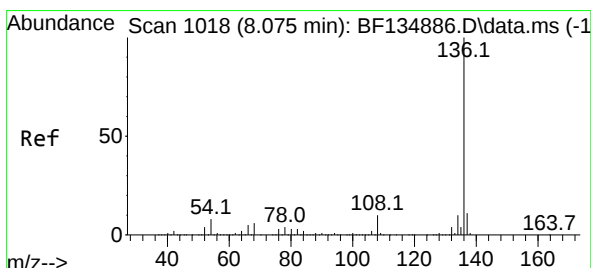
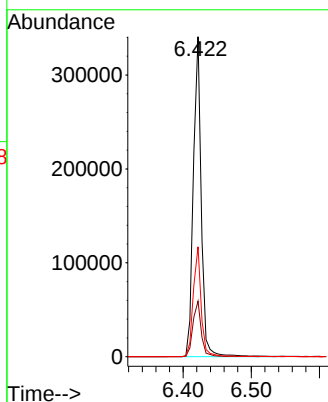
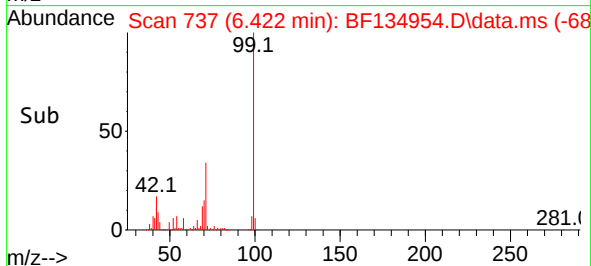
Tgt Ion: 99 Resp: 271389
Ion Ratio Lower Upper
99 100
42 17.3 14.6 22.0
71 34.3 27.6 41.4

Manual Integrations

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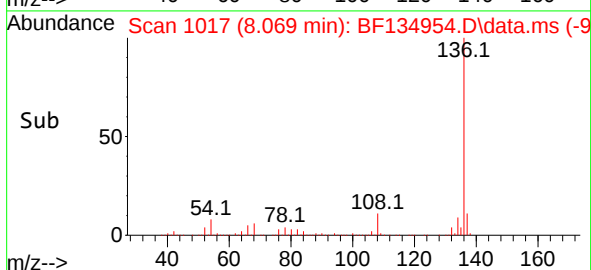
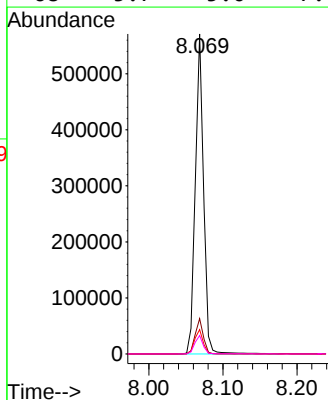
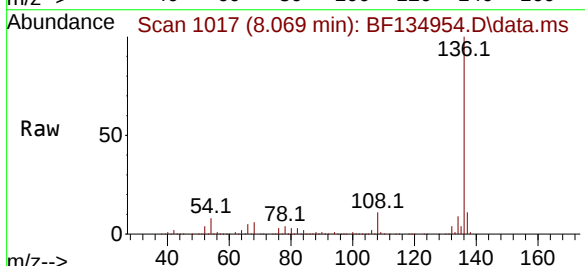
Reviewed By :Yogesh Patel 08/28/2023

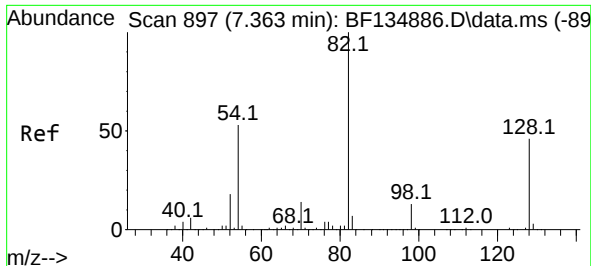
Supervised By :mohammad ahmed 08/28/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF134954.D
Acq: 25 Aug 2023 22:25

Tgt Ion:136 Resp: 439978
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.6 6.6 9.8
68 5.7 5.0 7.4





#23

Nitrobenzene-d5

Concen: 19.120 ng

RT: 7.345 min Scan# 897

Delta R.T. -0.018 min

Lab File: BF134954.D

Acq: 25 Aug 2023 22:25

Instrument :

BNA_F

ClientSampleId :

OK-2-082323

Tgt Ion: 82 Resp: 152660

Ion Ratio Lower Upper

82 100

128 42.6 36.6 54.8

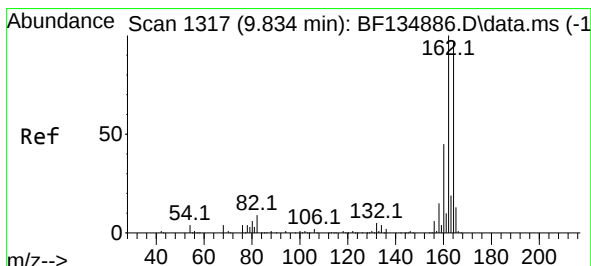
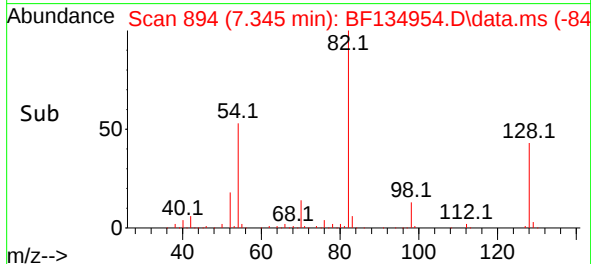
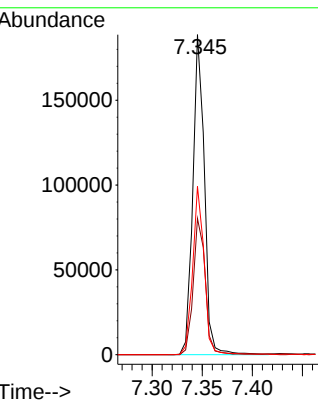
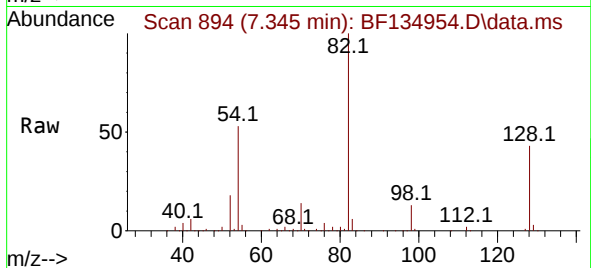
54 52.5 42.6 63.8

Manual Integrations

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Reviewed By :Yogesh Patel 08/28/2023

Supervised By :mohammad ahmed 08/28/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.827 min Scan# 1316

Delta R.T. -0.006 min

Lab File: BF134954.D

Acq: 25 Aug 2023 22:25

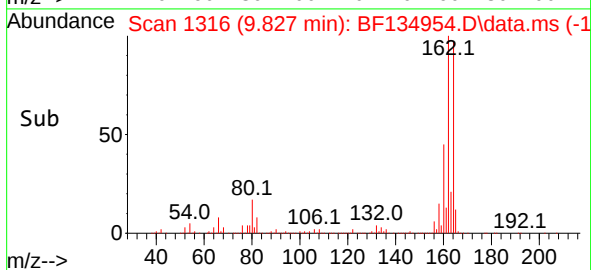
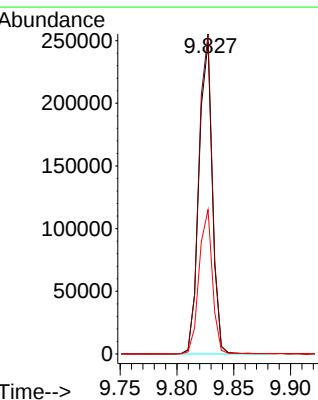
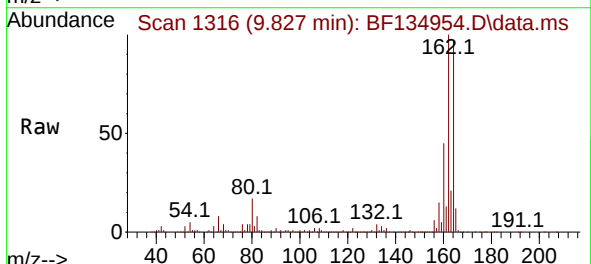
Tgt Ion:164 Resp: 203956

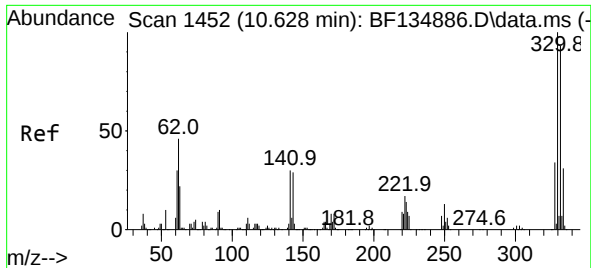
Ion Ratio Lower Upper

164 100

162 102.7 82.6 123.8

160 46.2 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 23.278 ng
RT: 10.616 min Scan# 1452
Delta R.T. -0.012 min
Lab File: BF134954.D
Acq: 25 Aug 2023 22:25

Instrument :

BNA_F

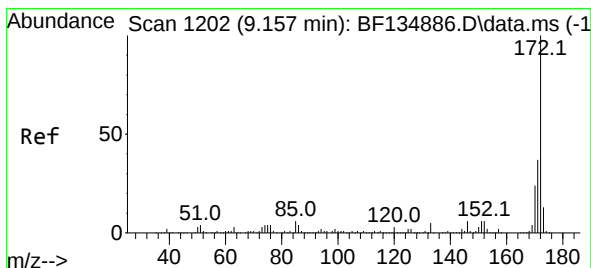
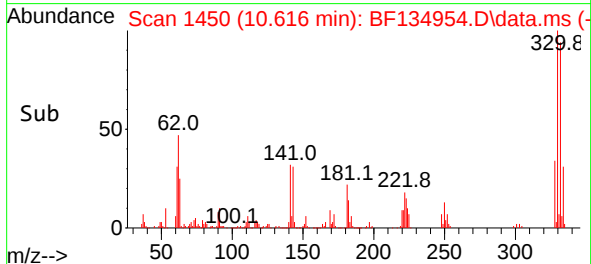
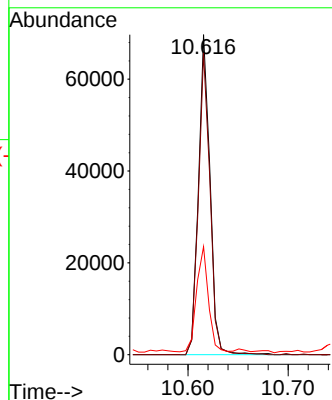
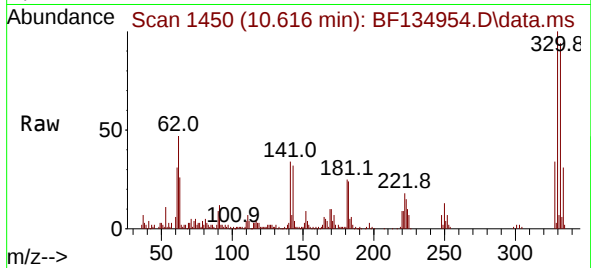
ClientSampleId :

OK-2-082323

Tgt Ion:330 Resp: 5591
Ion Ratio Lower Upper
330 100
332 94.4 76.3 114.5
141 33.4 23.4 35.2

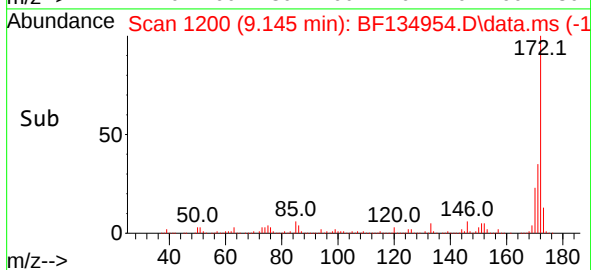
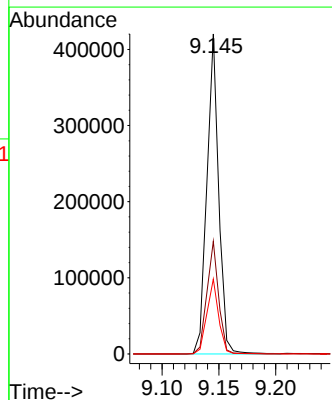
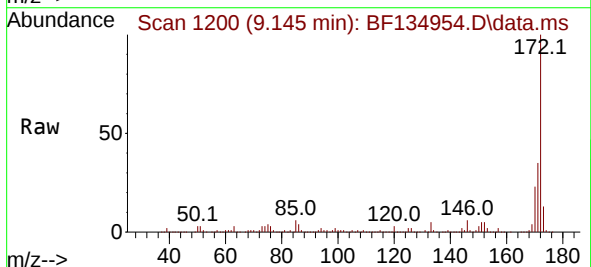
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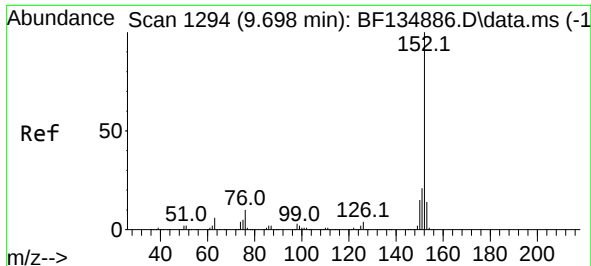
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023



#45
2-Fluorobiphenyl
Concen: 22.962 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.012 min
Lab File: BF134954.D
Acq: 25 Aug 2023 22:25

Tgt Ion:172 Resp: 302944
Ion Ratio Lower Upper
172 100
171 35.2 29.4 44.0
170 23.4 19.6 29.4





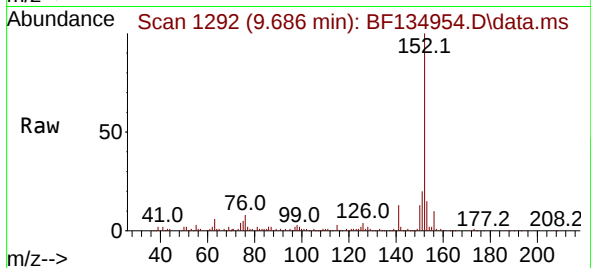
#49
Acenaphthylene
Concen: 3.740 ng
RT: 9.686 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134954.D
Acq: 25 Aug 2023 22:25

Instrument :

BNA_F

ClientSampleId :

OK-2-082323



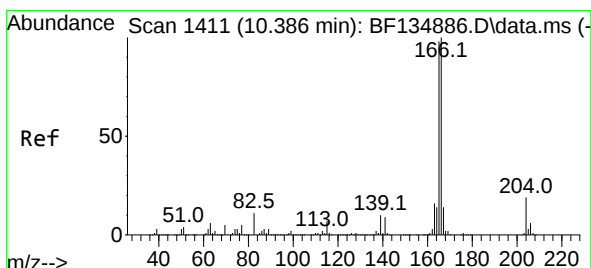
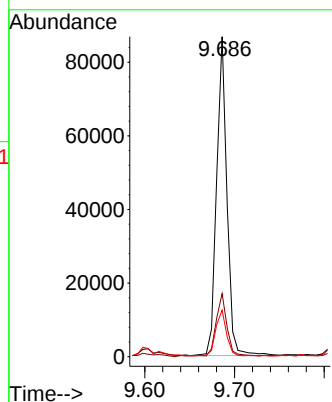
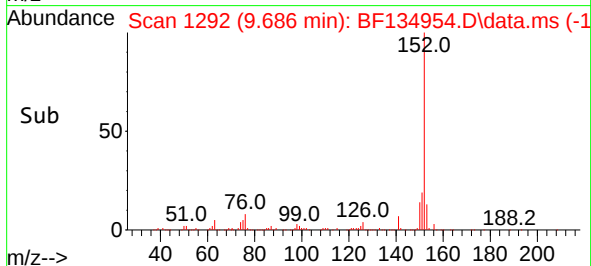
Tgt Ion:152 Resp: 6925
Ion Ratio Lower Upper
152 100
151 19.7 16.5 24.7
153 14.5 11.3 16.9

Manual Integrations

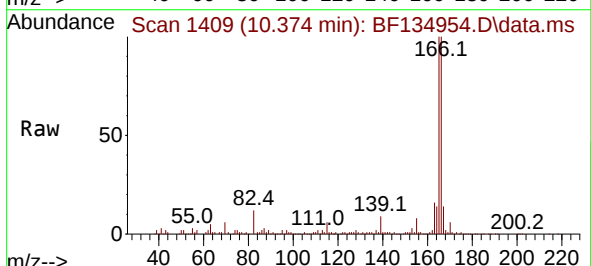
APPROVED

Reviewed By :Yogesh Patel 08/28/2023

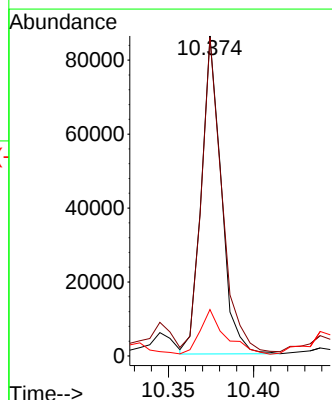
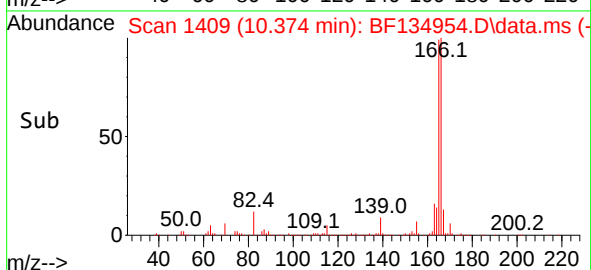
Supervised By :mohammad ahmed 08/28/2023

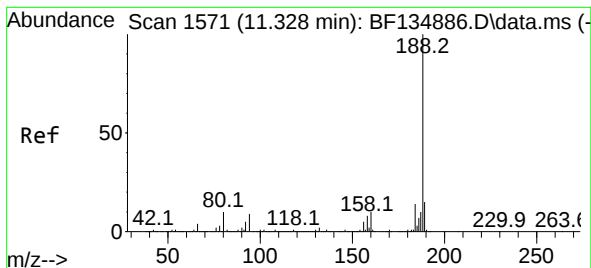


#58
Fluorene
Concen: 5.424 ng
RT: 10.374 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF134954.D
Acq: 25 Aug 2023 22:25



Tgt Ion:166 Resp: 69881
Ion Ratio Lower Upper
166 100
165 99.6 78.5 117.7
167 14.5 11.0 16.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.321 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134954.D

Acq: 25 Aug 2023 22:25

Instrument :

BNA_F

ClientSampleId :

OK-2-082323

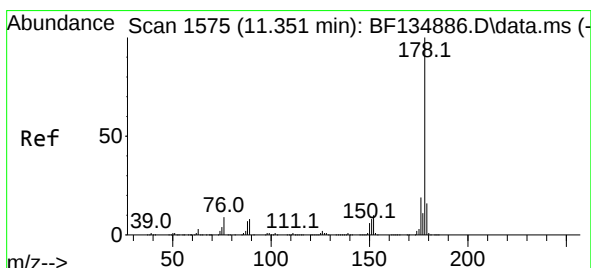
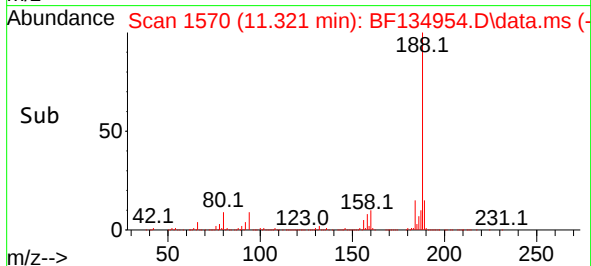
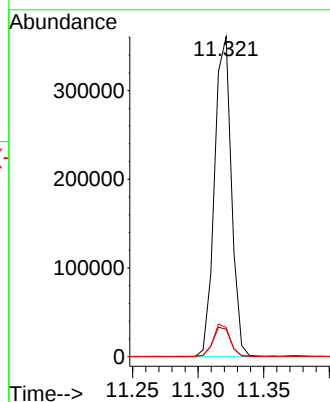
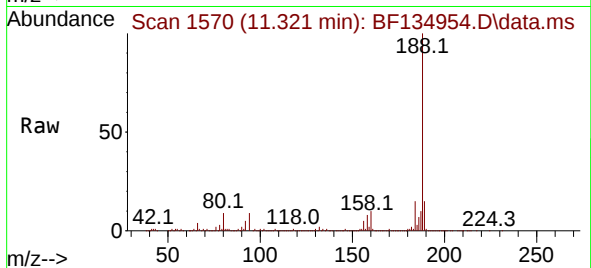
Tgt Ion:188	Resp: 323154
Ion Ratio	Lower Upper
188 100	
94 8.6	7.5 11.3
80 9.1	7.8 11.6

Manual Integrations

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Reviewed By :Yogesh Patel 08/28/2023

Supervised By :mohammad ahmed 08/28/2023



#71

Phenanthrene

Concen: 41.948 ng

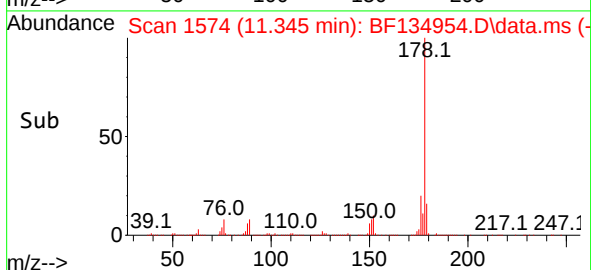
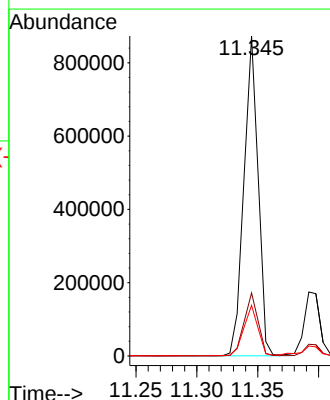
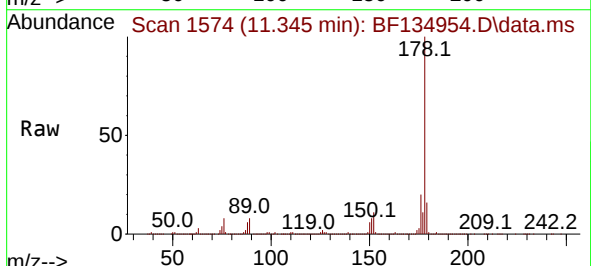
RT: 11.345 min Scan# 1574

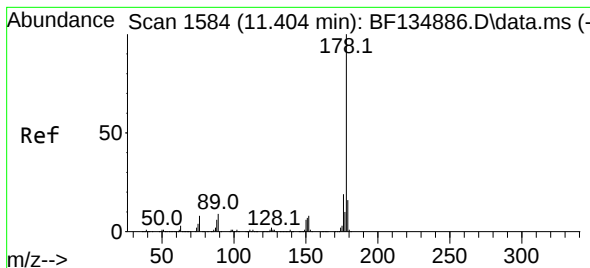
Delta R.T. -0.006 min

Lab File: BF134954.D

Acq: 25 Aug 2023 22:25

Tgt Ion:178	Resp: 710341
Ion Ratio	Lower Upper
178 100	
176 19.7	15.5 23.3
179 15.8	12.6 19.0





#72

Anthracene

Concen: 8.796 ng

RT: 11.392 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134954.D

Acq: 25 Aug 2023 22:25

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:178 Resp: 15262

Ion Ratio Lower Upper

178 100

176 18.2 15.0 22.6

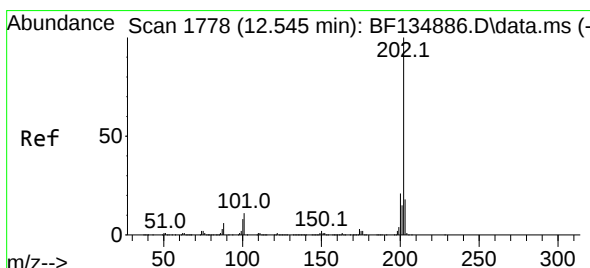
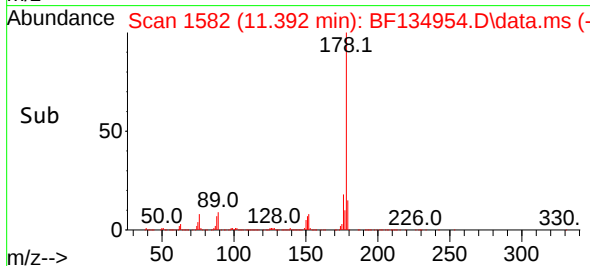
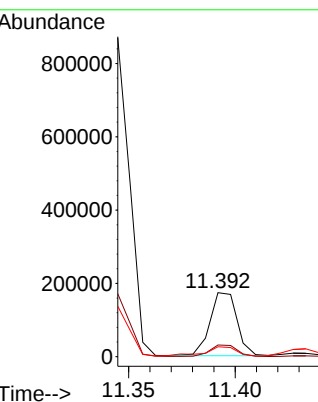
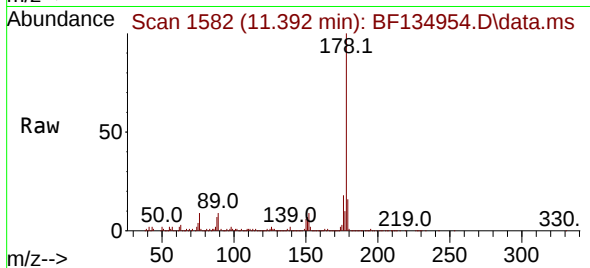
179 15.5 12.5 18.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/28/2023

Supervised By :mohammad ahmed 08/28/2023



#75

Fluoranthene

Concen: 52.449 ng

RT: 12.545 min Scan# 1778

Delta R.T. -0.000 min

Lab File: BF134954.D

Acq: 25 Aug 2023 22:25

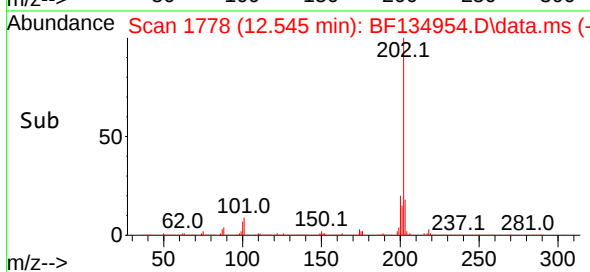
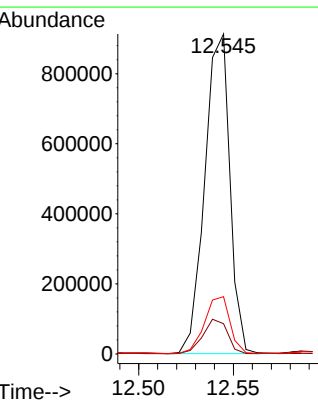
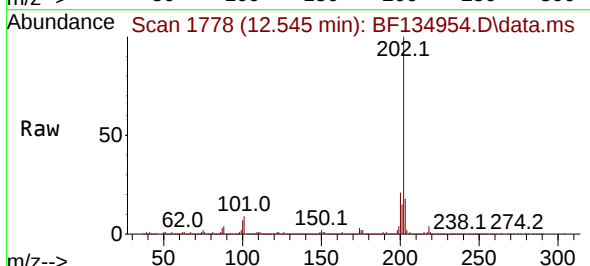
Tgt Ion:202 Resp: 841548

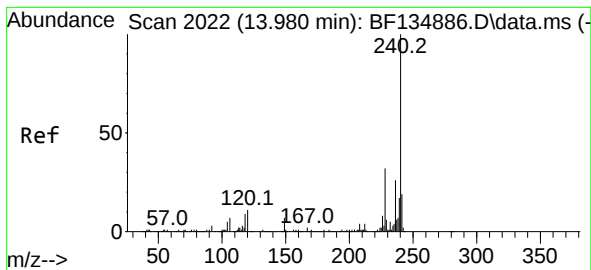
Ion Ratio Lower Upper

202 100

101 9.5 0.0 30.5

203 17.9 0.0 37.8





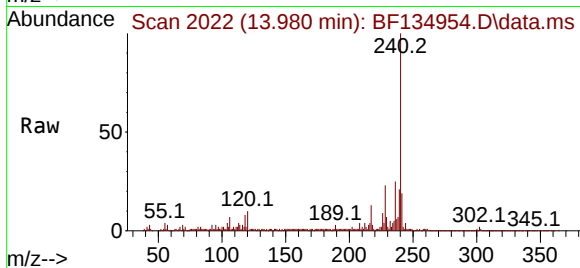
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF134954.D
Acq: 25 Aug 2023 22:25

Instrument :

BNA_F

ClientSampleId :

OK-2-082323

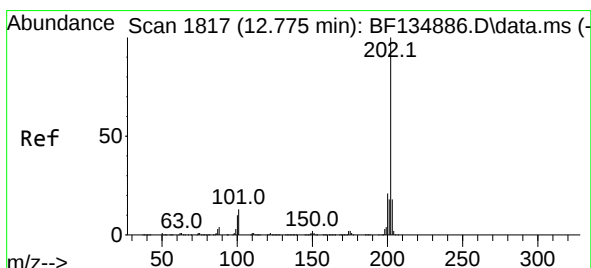
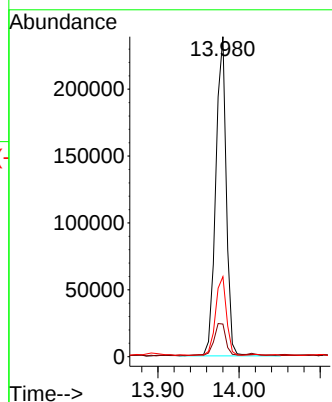
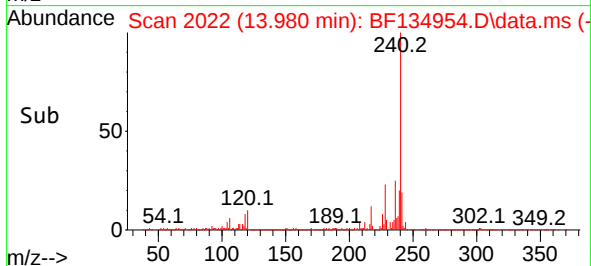


Tgt Ion:240 Resp: 215269
Ion Ratio Lower Upper
240 100
120 10.2 8.6 12.8
236 25.0 20.6 31.0

Manual Integrations

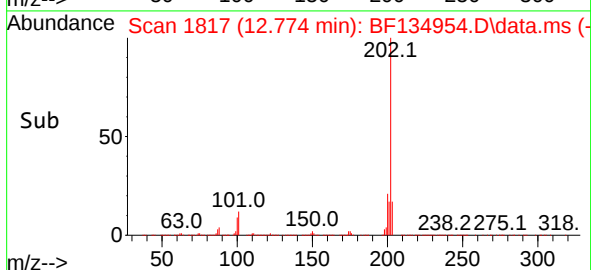
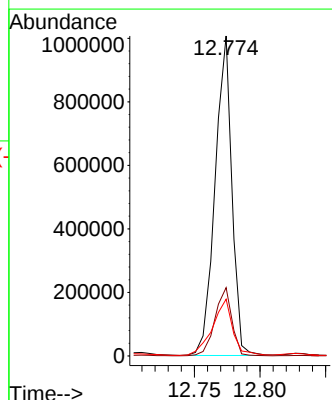
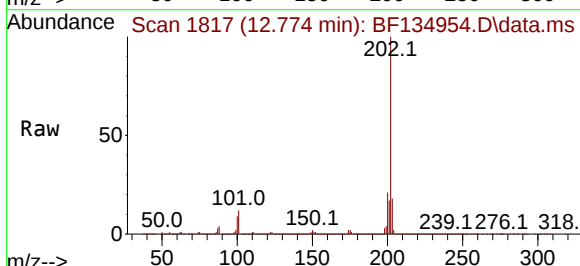
APPROVED

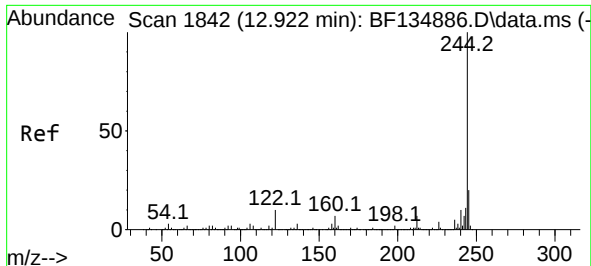
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023



#78
Pyrene
Concen: 39.261 ng
RT: 12.774 min Scan# 1817
Delta R.T. -0.000 min
Lab File: BF134954.D
Acq: 25 Aug 2023 22:25

Tgt Ion:202 Resp: 896109
Ion Ratio Lower Upper
202 100
200 21.3 17.1 25.7
203 17.7 14.2 21.2





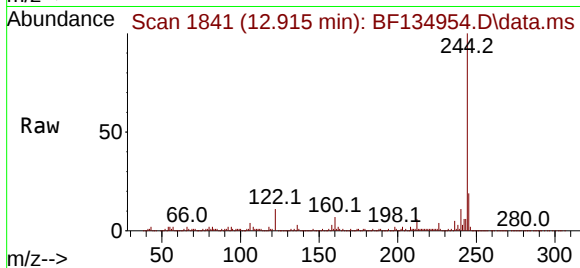
#79
Terphenyl-d14
Concen: 18.435 ng
RT: 12.915 min Scan# 1842
Delta R.T. -0.007 min
Lab File: BF134954.D
Acq: 25 Aug 2023 22:25

Instrument :

BNA_F

ClientSampleId :

OK-2-082323

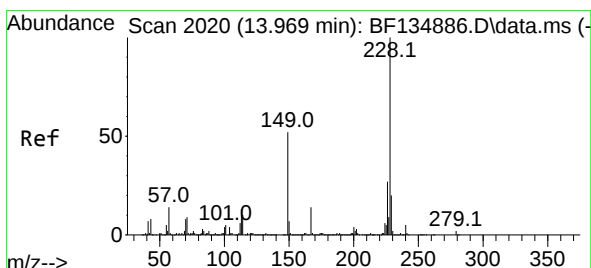
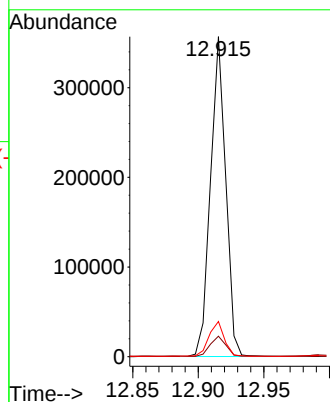
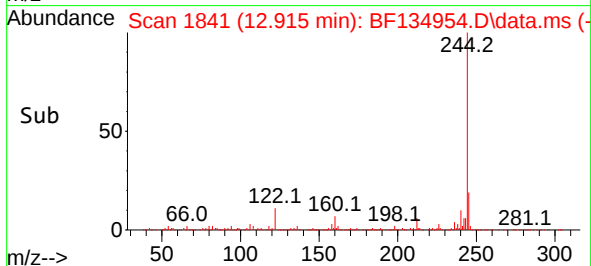


Tgt Ion:244 Resp: 288534
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.0
122 11.0 8.2 12.4

Manual Integrations

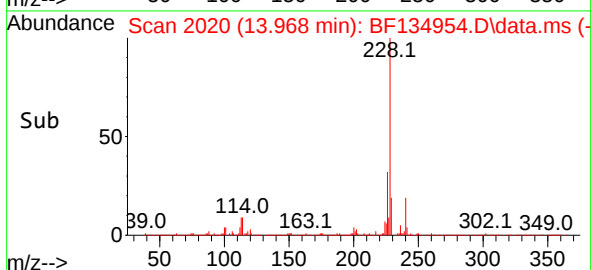
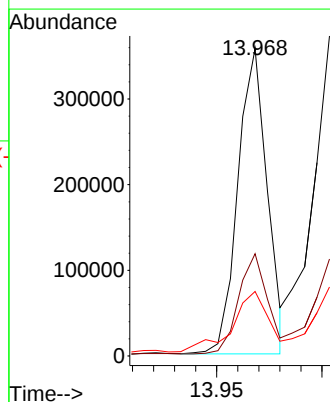
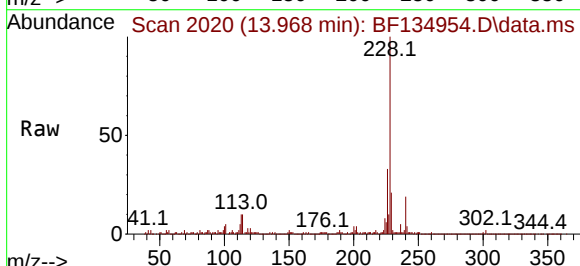
APPROVED

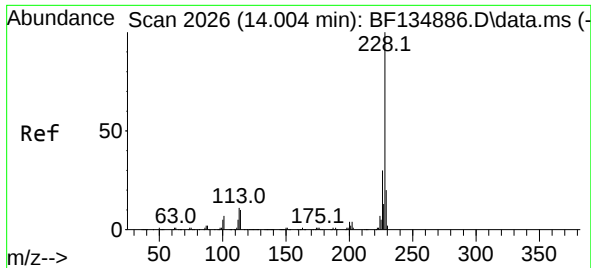
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023



#81
Benzo(a)anthracene
Concen: 23.558 ng m
RT: 13.968 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF134954.D
Acq: 25 Aug 2023 22:25

Tgt Ion:228 Resp: 346001
Ion Ratio Lower Upper
228 100
226 33.3 21.8 32.6#
229 21.0 15.6 23.4





#83
Chrysene
Concen: 23.666 ng m
RT: 14.004 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF134954.D
Acq: 25 Aug 2023 22:25

Instrument :

BNA_F

ClientSampleId :

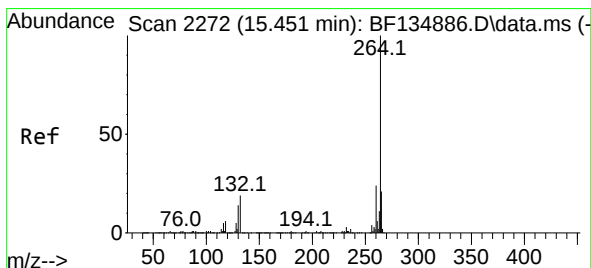
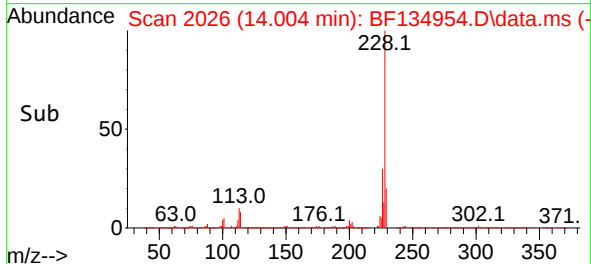
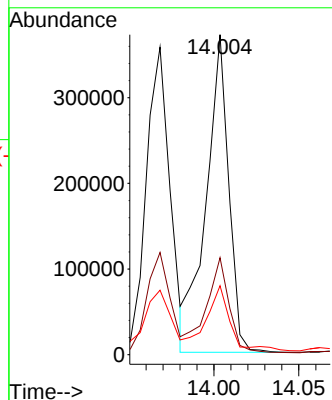
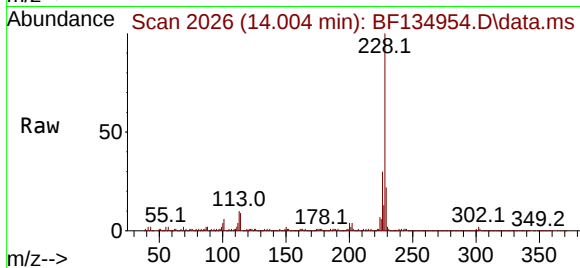
OK-2-082323

Tgt Ion:228 Resp: 34295
Ion Ratio Lower Upper
228 100
226 30.3 24.2 36.2
229 21.6 16.0 24.0

Manual Integrations

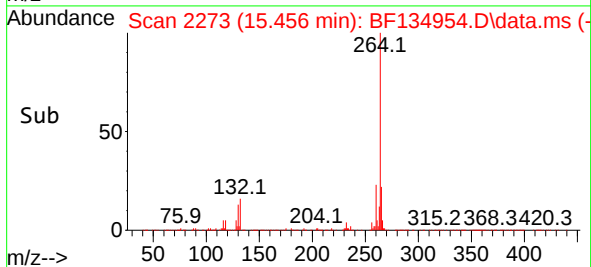
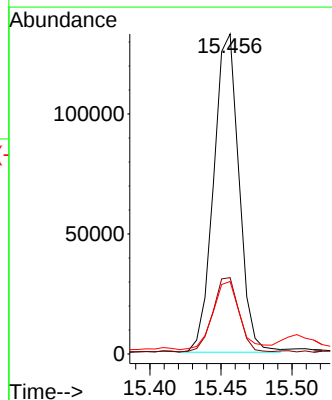
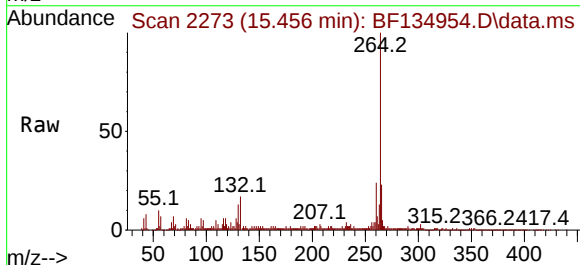
APPROVED

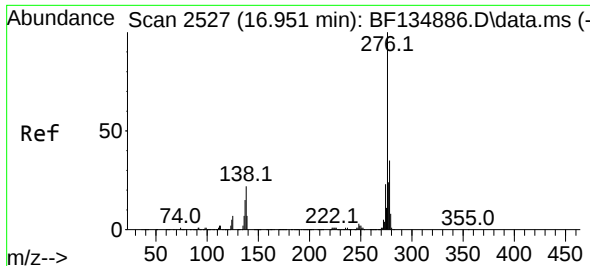
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.456 min Scan# 2273
Delta R.T. 0.006 min
Lab File: BF134954.D
Acq: 25 Aug 2023 22:25

Tgt Ion:264 Resp: 164603
Ion Ratio Lower Upper
264 100
260 23.8 19.0 28.6
265 22.6 17.1 25.7





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 9.097 ng
 RT: 16.945 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF134954.D
 Acq: 25 Aug 2023 22:25

Instrument :

BNA_F

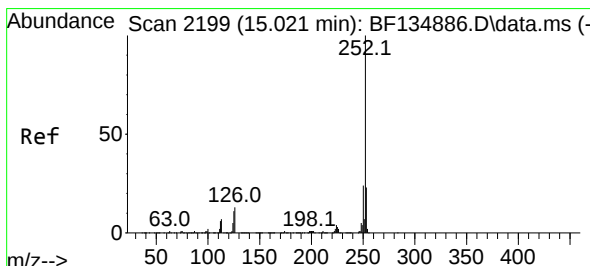
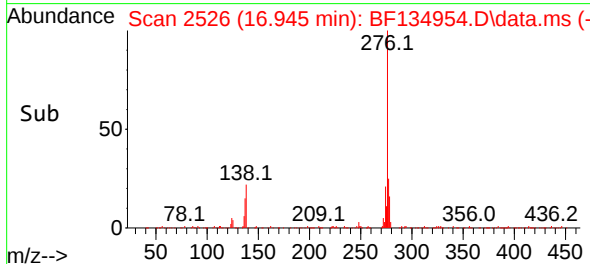
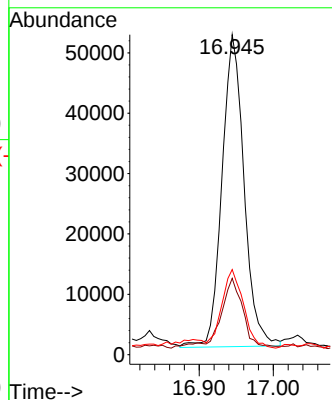
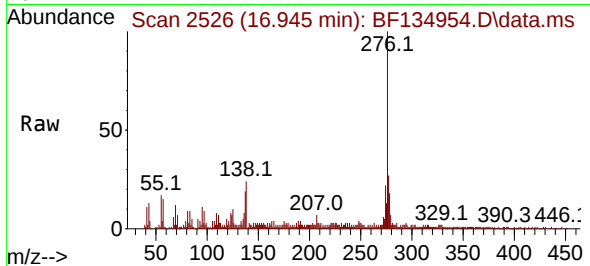
ClientSampleId :

OK-2-082323

Tgt Ion:276 Resp: 10702
 Ion Ratio Lower Upper
 276 100
 138 22.9 19.7 29.5
 277 24.8 20.1 30.1

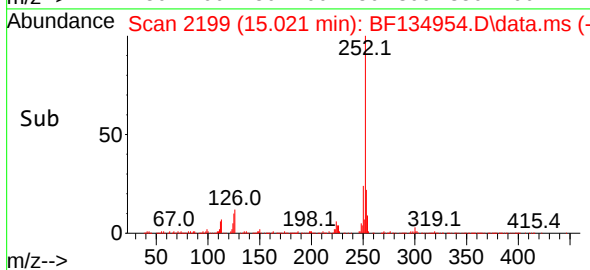
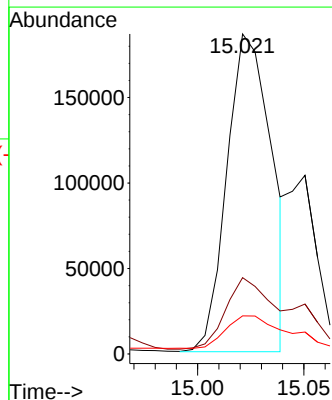
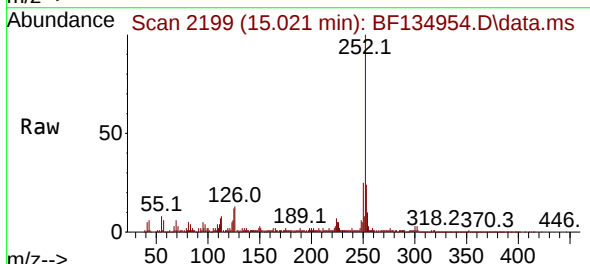
Manual Integrations
 APPROVED

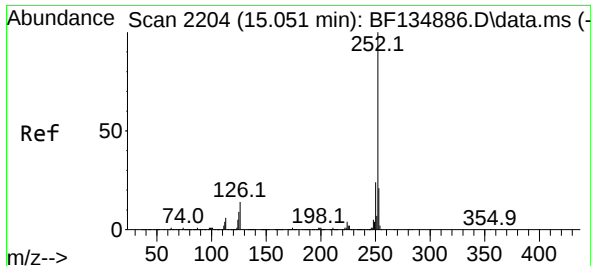
Reviewed By :Yogesh Patel 08/28/2023
 Supervised By :mohammad ahmed 08/28/2023



#88
 Benzo(b)fluoranthene
 Concen: 29.250 ng m
 RT: 15.021 min Scan# 2199
 Delta R.T. -0.000 min
 Lab File: BF134954.D
 Acq: 25 Aug 2023 22:25

Tgt Ion:252 Resp: 271643
 Ion Ratio Lower Upper
 252 100
 253 23.8 18.1 27.1
 125 11.9 8.4 12.6





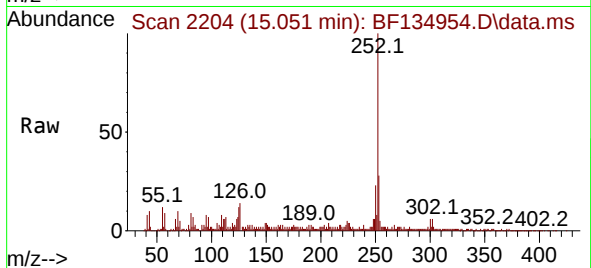
#89
Benzo(k)fluoranthene
Concen: 10.376 ng m
RT: 15.051 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF134954.D
Acq: 25 Aug 2023 22:25

Instrument :

BNA_F

ClientSampleId :

OK-2-082323



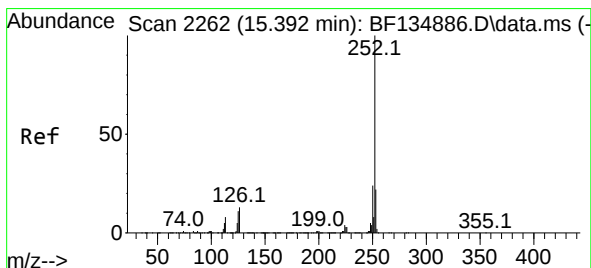
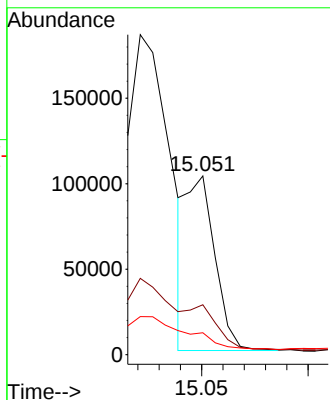
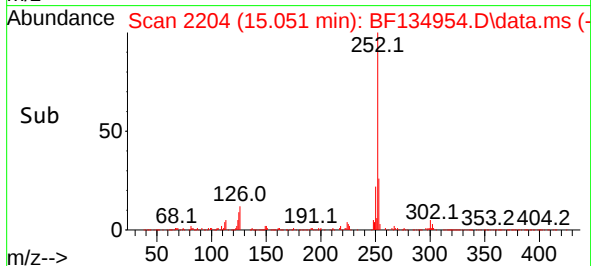
Tgt Ion:252 Resp: 94619
Ion Ratio Lower Upper
252 100
253 27.9 17.1 25.7
125 12.3 8.0 12.0

Manual Integrations

APPROVED

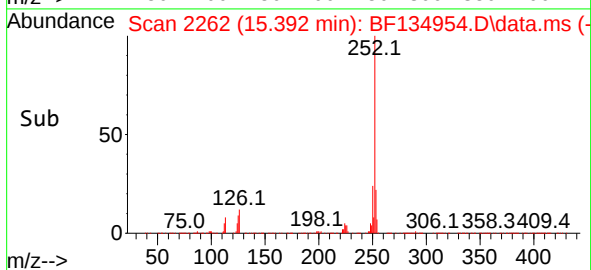
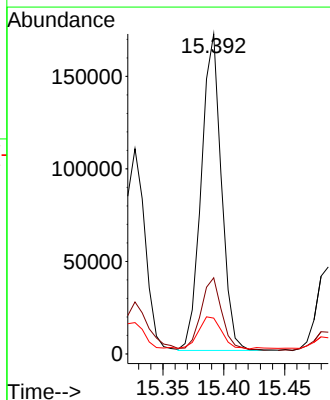
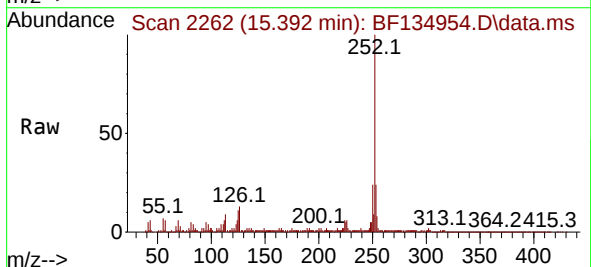
Reviewed By :Yogesh Patel 08/28/2023

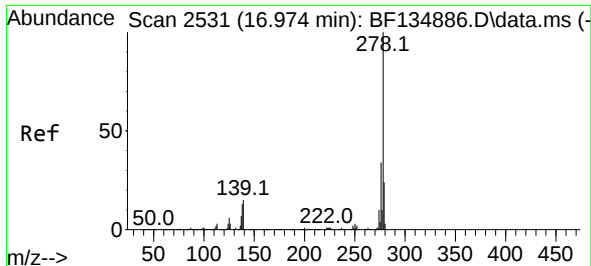
Supervised By :mohammad ahmed 08/28/2023



#90
Benzo(a)pyrene
Concen: 21.189 ng
RT: 15.392 min Scan# 2262
Delta R.T. -0.000 min
Lab File: BF134954.D
Acq: 25 Aug 2023 22:25

Tgt Ion:252 Resp: 196439
Ion Ratio Lower Upper
252 100
253 23.8 17.6 26.4
125 11.2 8.4 12.6





#91

Dibenzo(a,h)anthracene

Concen: 2.741 ng

RT: 16.956 min Scan# 2531

Delta R.T. -0.018 min

Lab File: BF134954.D

Acq: 25 Aug 2023 22:25

Instrument :

BNA_F

ClientSampleId :

OK-2-082323

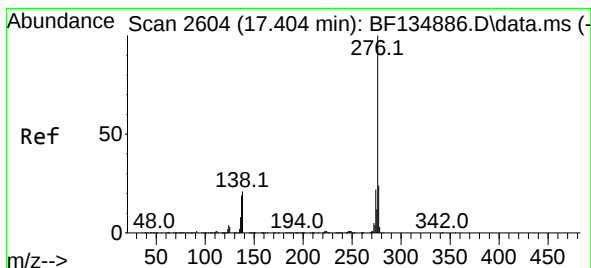
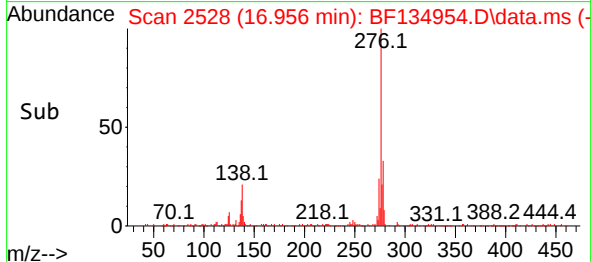
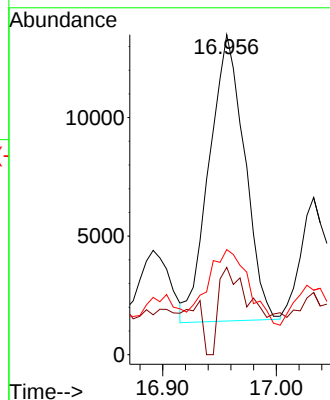
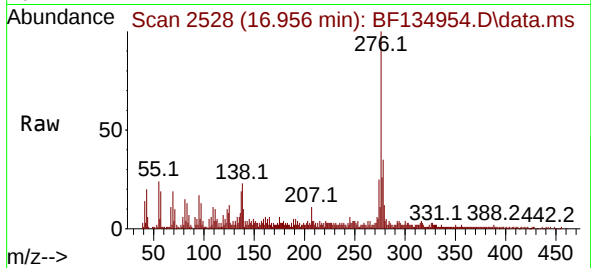
Tgt Ion:	278	Resp:	26098
Ion Ratio	Lower	Upper	
278	100		
139	27.3	12.2	18.4
279	32.8	19.1	28.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/28/2023

Supervised By :mohammad ahmed 08/28/2023



#92

Benzo(g,h,i)perylene

Concen: 10.285 ng

RT: 17.403 min Scan# 2604

Delta R.T. -0.000 min

Lab File: BF134954.D

Acq: 25 Aug 2023 22:25

Tgt Ion:	276	Resp:	100226
Ion Ratio	Lower	Upper	
276	100		
277	25.7	19.2	28.8
138	24.1	17.0	25.6

