

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082123\
 Data File : BF134871.D
 Acq On : 21 Aug 2023 17:03
 Operator : CG\JU
 Sample : 04086-19
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-PP10A

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/22/2023
 Supervised By :mohammad ahmed 08/22/2023

Quant Time: Aug 22 03:20:42 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	6.793	152	140387	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	533001	20.000	ng	#-0.01
39) Acenaphthene-d10	9.828	164	250921	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	379451	20.000	ng	# 0.00
76) Chrysene-d12	13.980	240	249800	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	227082	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	673562	72.933	ng	0.00
7) Phenol-d6	6.428	99	840599	71.203	ng	-0.01
23) Nitrobenzene-d5	7.351	82	502446	58.910	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	182493	71.345	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	913008	60.499	ng	-0.02
79) Terphenyl-d14	12.916	244	775970	54.761	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.686	152	111052	4.832	ng	# 97
52) Acenaphthene	9.857	154	139379	9.358	ng	98
58) Fluorene	10.375	166	136652	8.849	ng	95
71) Phenanthrene	11.351	178	1958239	97.159	ng	100
72) Anthracene	11.392	178	660834	32.099	ng	99
75) Fluoranthene	12.551	202	2215283	104.053	ng	97
78) Pyrene	12.786	202	3423013m	158.359	ng	
81) Benzo(a)anthracene	13.969	228	1834330	102.695	ng	96
83) Chrysene	14.010	228	1573863	90.441	ng	98
87) Indeno(1,2,3-cd)pyrene	16.933	276	431747	32.328	ng	96
88) Benzo(b)fluoranthene	15.021	252	1142253m	82.476	ng	
89) Benzo(k)fluoranthene	15.045	252	277593m	20.121	ng	
90) Benzo(a)pyrene	15.386	252	1018486	78.873	ng	# 96
91) Dibenzo(a,h)anthracene	16.945	278	116593	10.803	ng	# 87
92) Benzo(g,h,i)perylene	17.392	276	498001	45.233	ng	# 92

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

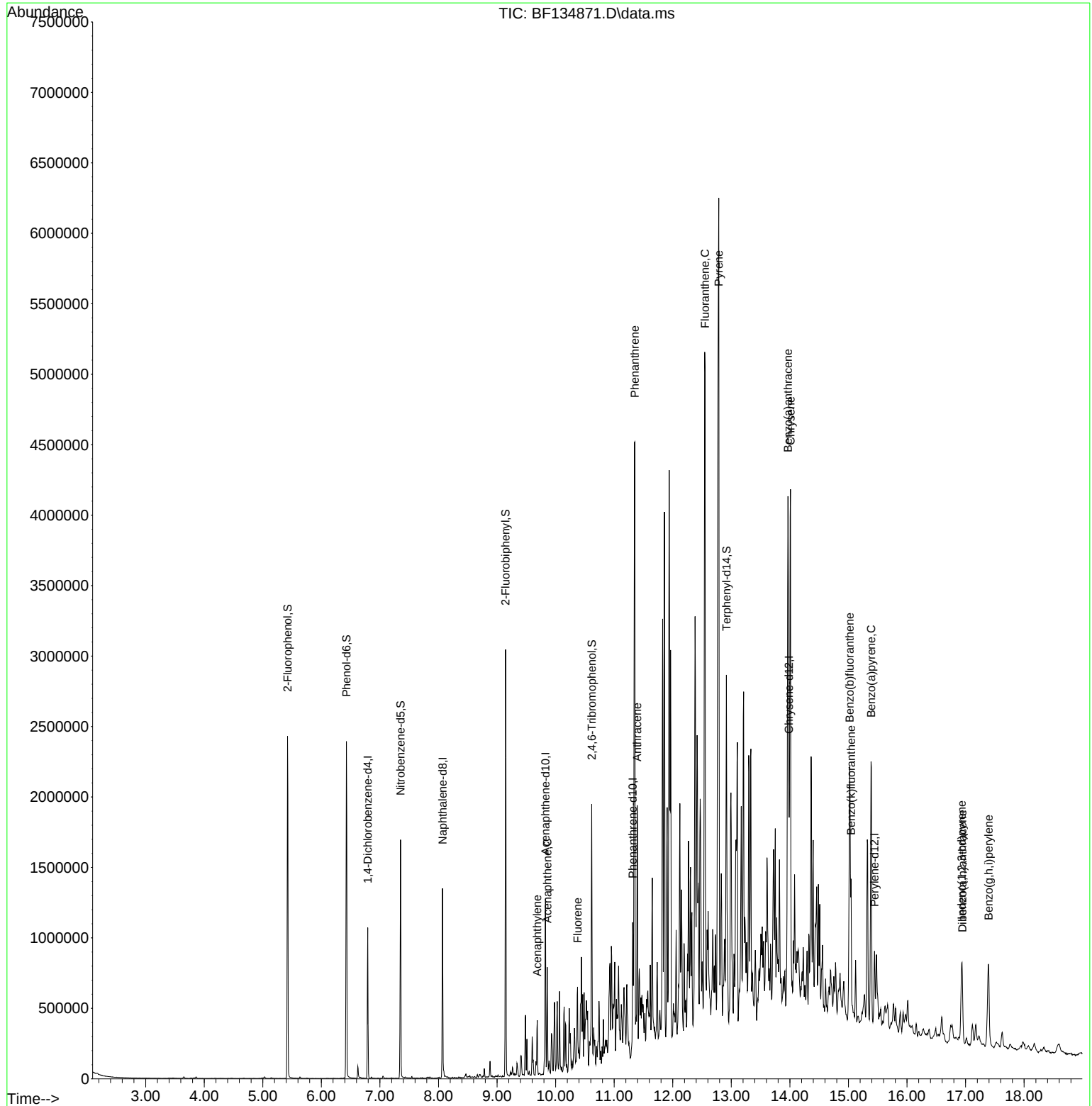
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082123\
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ALS Vial : 13 Sample Multiplier: 1

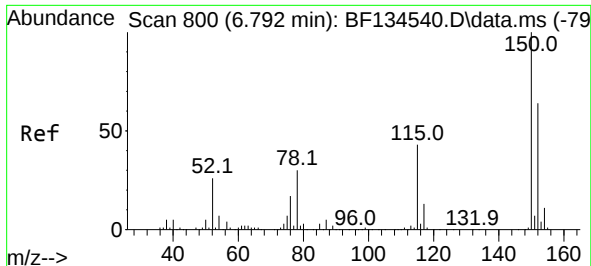
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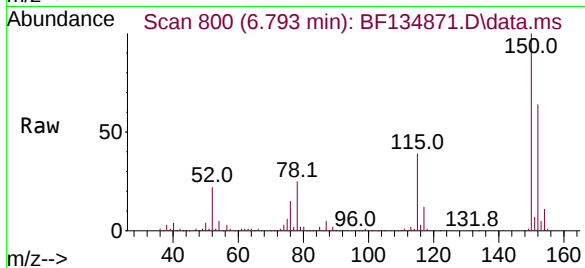
Quant Time: Aug 22 03:20:42 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 09:29:15 2023
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 800
Delta R.T. -0.005 min
Lab File: BF134871.D
Acq: 21 Aug 2023 17:03

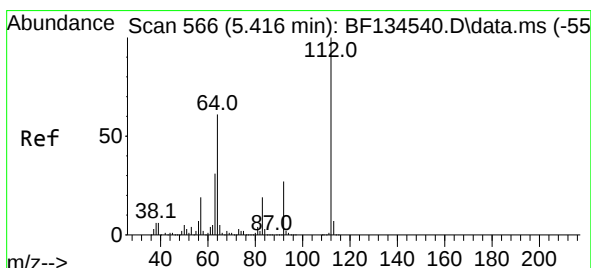
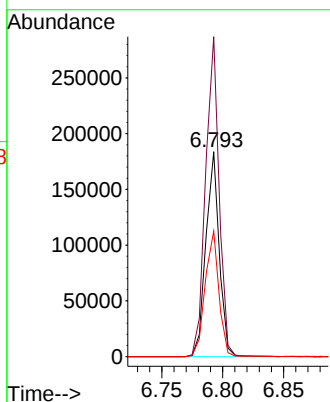
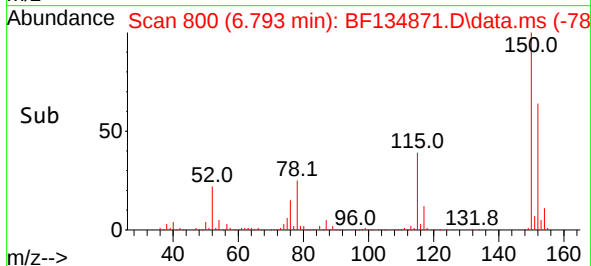
Instrument :
BNA_F
Client SampleId :
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Tgt Ion:152 Resp: 140387
Ion Ratio Lower Upper
152 100
150 156.2 128.3 192.5
115 61.3 52.4 78.6

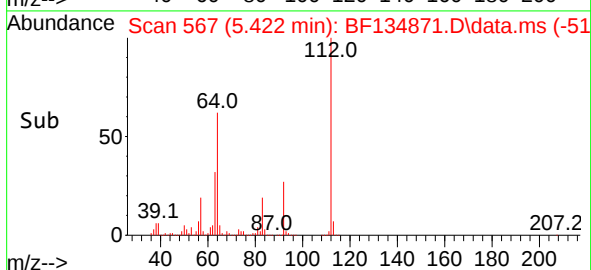
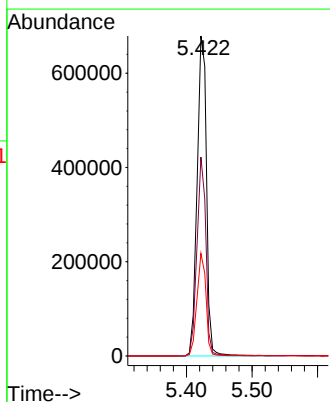
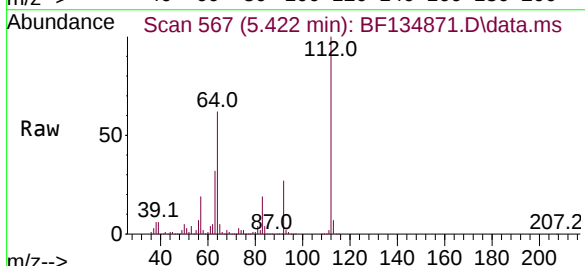
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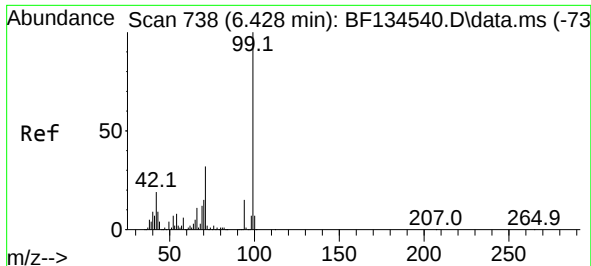
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023



#5
2-Fluorophenol
Concen: 72.933 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF134871.D
Acq: 21 Aug 2023 17:03

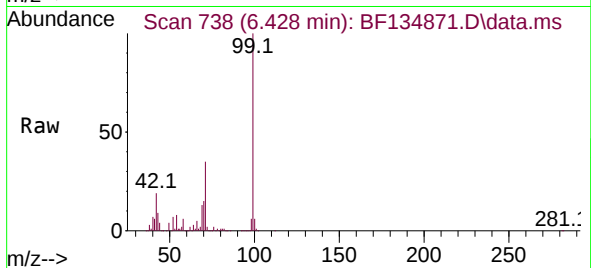
Tgt Ion:112 Resp: 673562
Ion Ratio Lower Upper
112 100
64 62.1 44.9 67.3
63 32.0 25.4 38.0





#7
Phenol-d6
Concen: 71.203 ng
RT: 6.428 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF134871.D
Acq: 21 Aug 2023 17:03

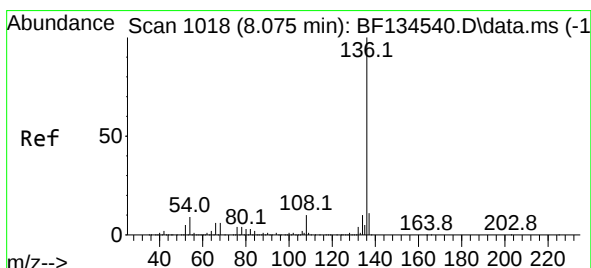
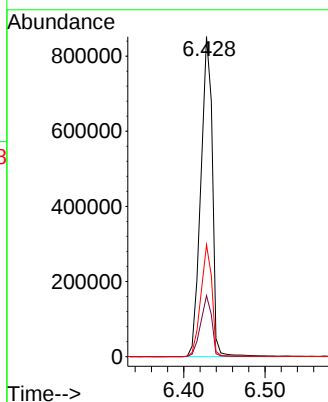
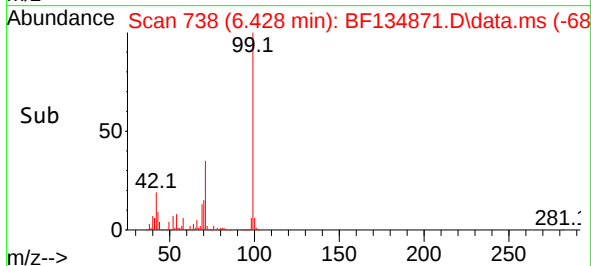
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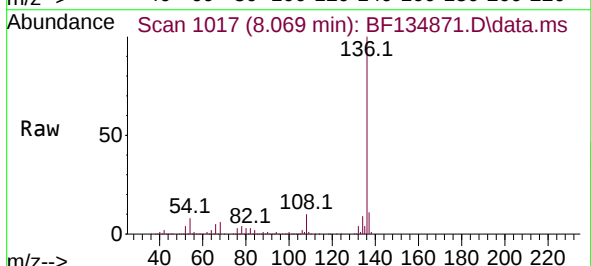
Tgt Ion: 99 Resp: 840599
Ion Ratio Lower Upper
99 100
42 19.1 18.7 28.1
71 34.9 36.4 54.6

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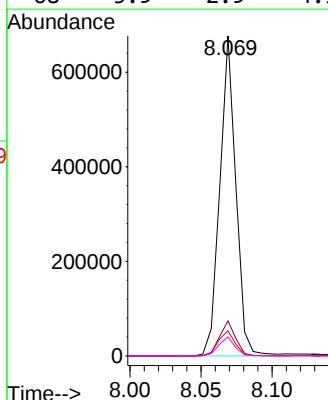
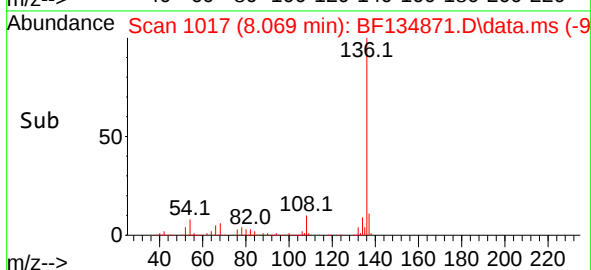
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023

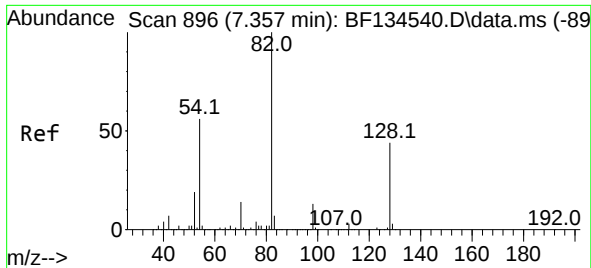


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF134871.D
Acq: 21 Aug 2023 17:03



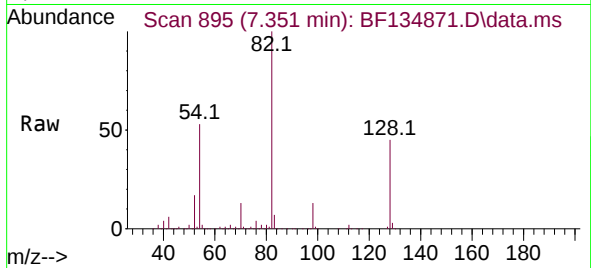
Tgt Ion:136 Resp: 533001
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 7.8 5.2 7.8#
68 5.9 2.9 4.3#





#23
Nitrobenzene-d5
Concen: 58.910 ng
RT: 7.351 min Scan# 896
Delta R.T. -0.017 min
Lab File: BF134871.D
Acq: 21 Aug 2023 17:03

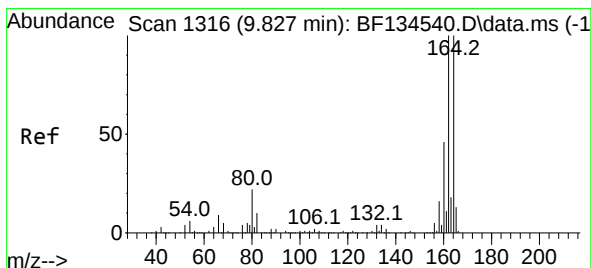
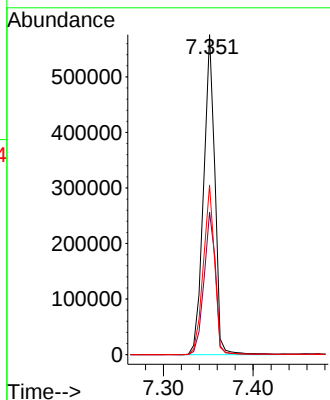
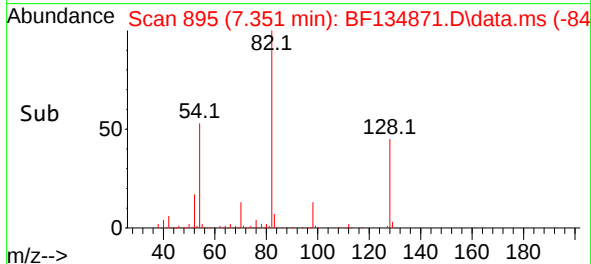
Instrument :
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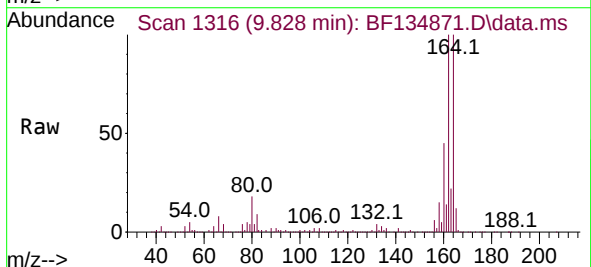
Tgt Ion: 82 Resp: 502446
Ion Ratio Lower Upper
82 100
128 44.6 34.3 51.5
54 53.0 43.8 65.6

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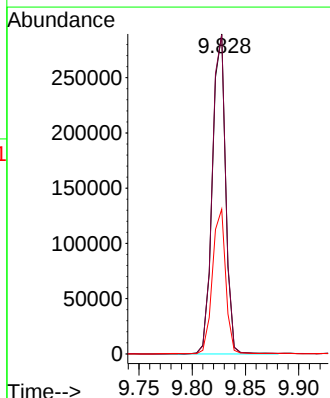
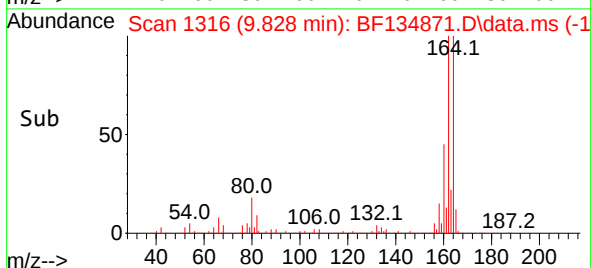
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023

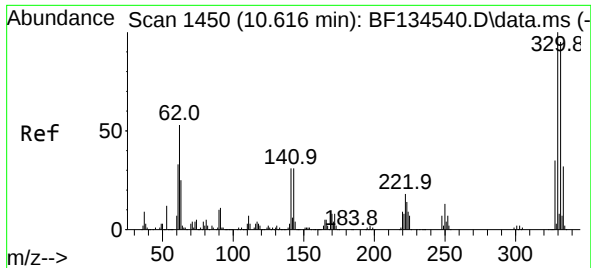


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF134871.D
Acq: 21 Aug 2023 17:03



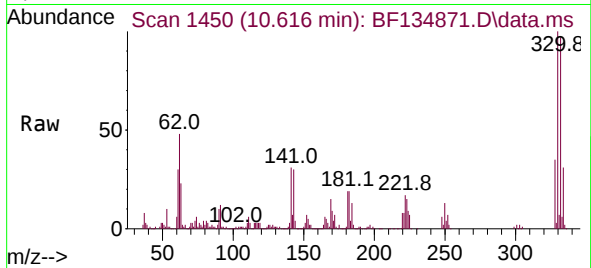
Tgt Ion:164 Resp: 250921
Ion Ratio Lower Upper
164 100
162 99.7 82.6 123.8
160 45.2 37.2 55.8





#42
 2,4,6-Tribromophenol
 Concen: 71.345 ng
 RT: 10.616 min Scan# 1450
 Delta R.T. -0.012 min
 Lab File: BF134871.D
 Acq: 21 Aug 2023 17:03

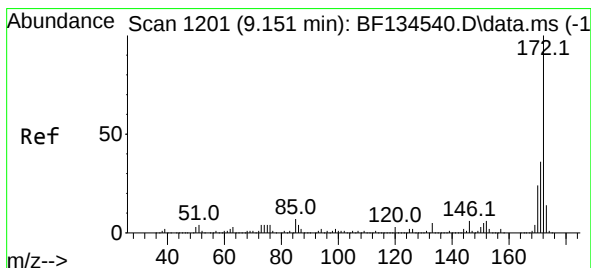
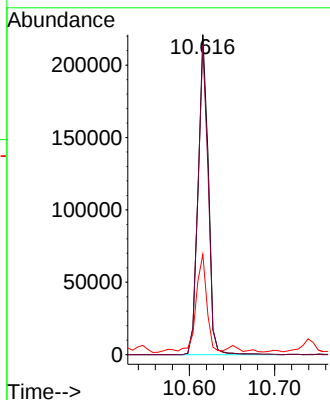
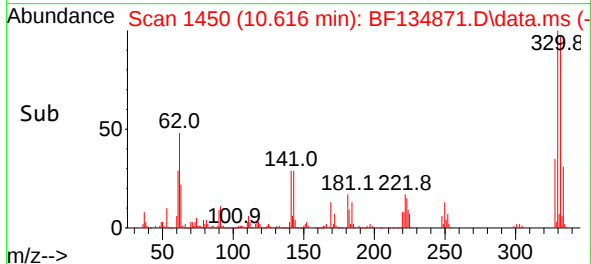
Instrument :
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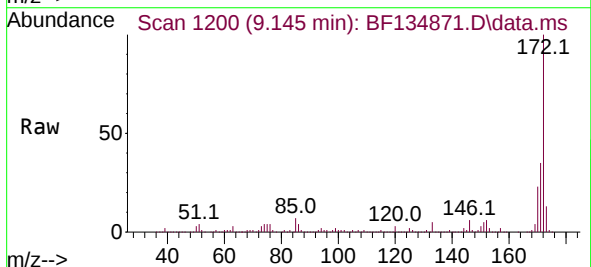
Tgt Ion: 330 Resp: 182493
 Ion Ratio Lower Upper
 330 100
 332 96.9 78.8 118.2
 141 33.3 25.4 38.2

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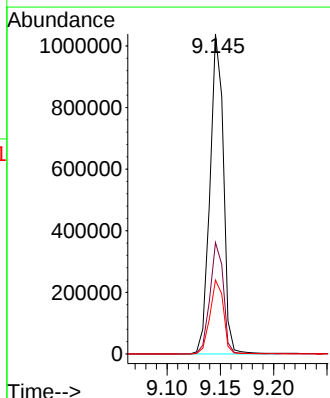
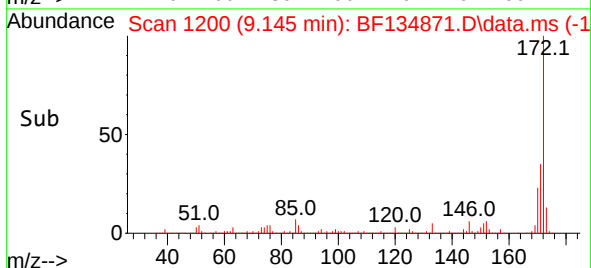
Reviewed By : Yogesh Patel 08/22/2023
 Supervised By : mohammad ahmed 08/22/2023

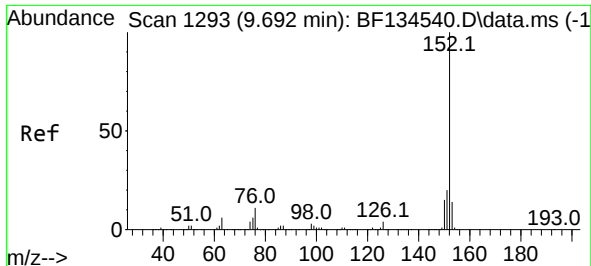


#45
 2-Fluorobiphenyl
 Concen: 60.499 ng
 RT: 9.145 min Scan# 1200
 Delta R.T. -0.018 min
 Lab File: BF134871.D
 Acq: 21 Aug 2023 17:03



Tgt Ion: 172 Resp: 913008
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.8 43.2
 170 23.1 18.7 28.1





#49

Acenaphthylene

Concen: 4.832 ng

RT: 9.686 min Scan# 1105

Delta R.T. -0.012 min

Lab File: BF134871.D

Acq: 21 Aug 2023 17:03

Instrument :

BNA_F

ClientSampleId :

B-PP10A

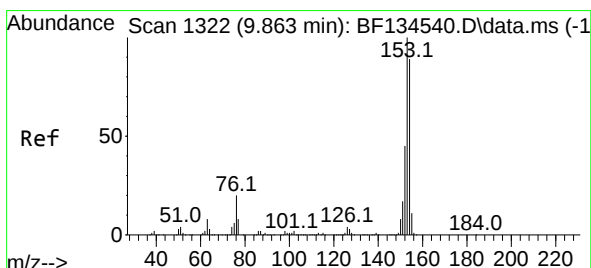
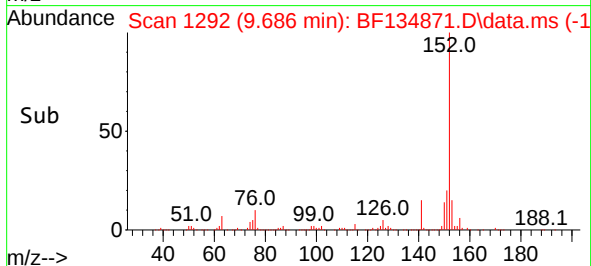
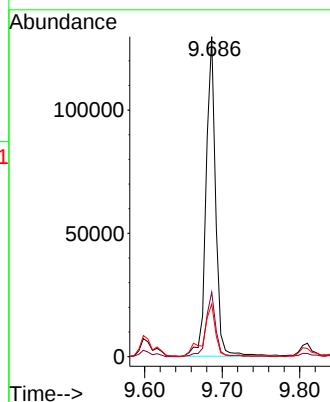
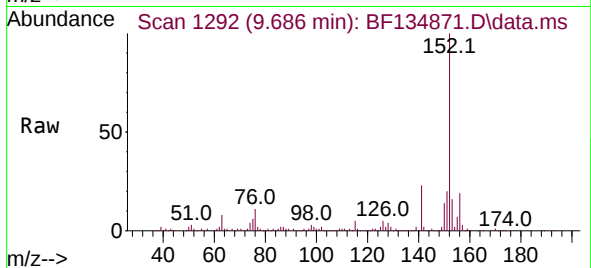
Tgt Ion:152	Resp: 111052
Ion Ratio	Lower Upper
152	100
151	20.1 16.4 24.6
153	16.4 10.9 16.3

Manual Integrations

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Supervised By :mohammad ahmed 08/22/2023



#52

Acenaphthene

Concen: 9.358 ng

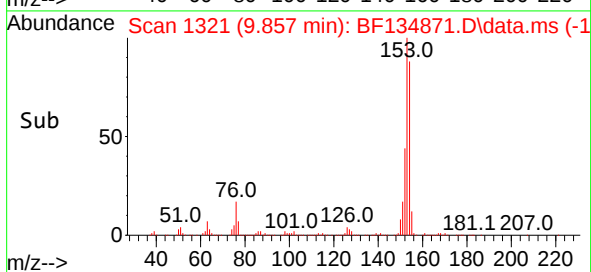
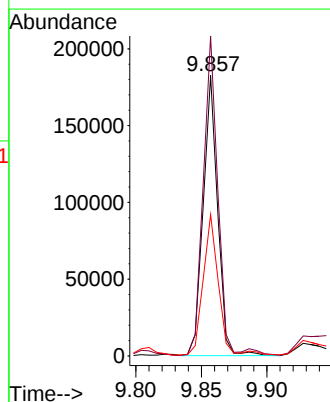
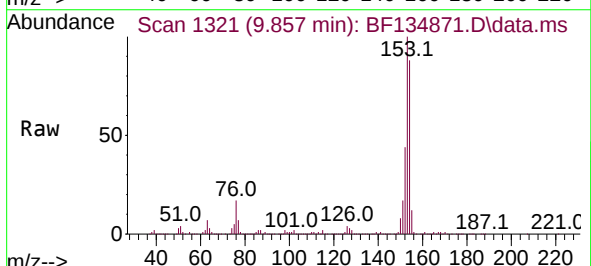
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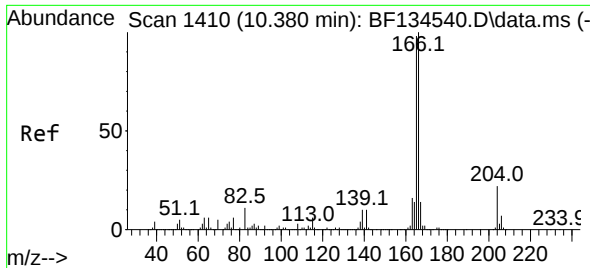
Delta R.T. -0.018 min

Lab File: BF134871.D

Acq: 21 Aug 2023 17:03

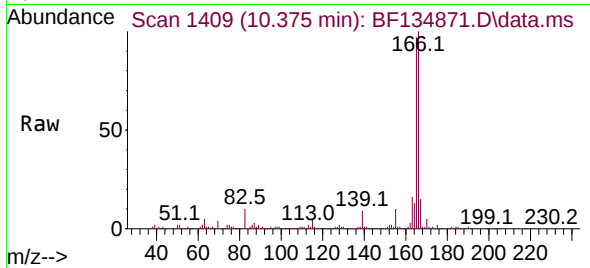
Tgt Ion:154	Resp: 139379
Ion Ratio	Lower Upper
154	100
153	114.1 90.0 135.0
152	50.4 42.4 63.6





#58
 Fluorene
 Concen: 8.849 ng
 RT: 10.375 min Scan# 1410
 Delta R.T. -0.012 min
 Lab File: BF134871.D
 Acq: 21 Aug 2023 17:03

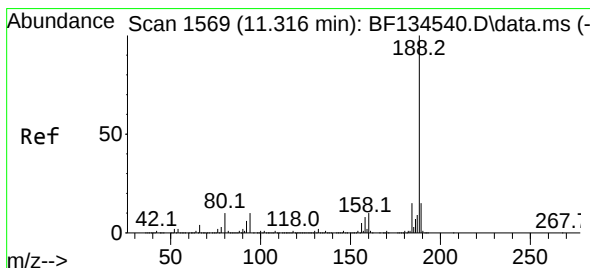
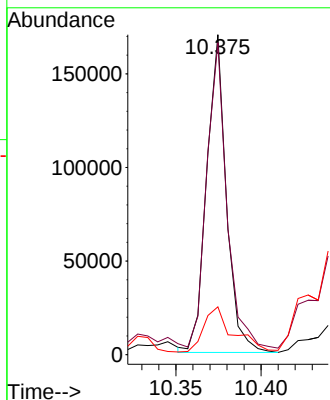
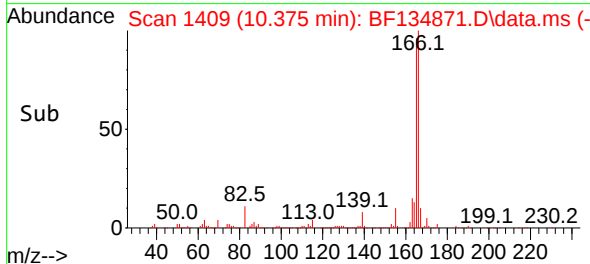
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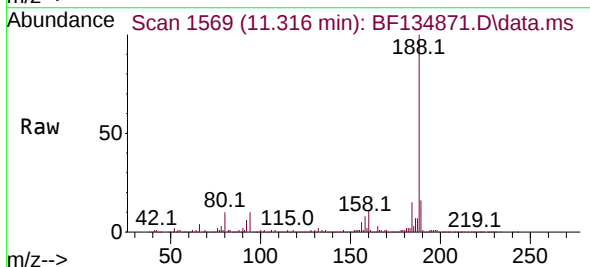
Tgt Ion:166 Resp: 136652
 Ion Ratio Lower Upper
 166 100
 165 97.5 74.5 111.7
 167 14.9 10.6 16.0

Manual Integrations
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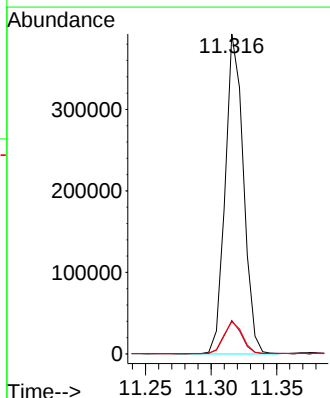
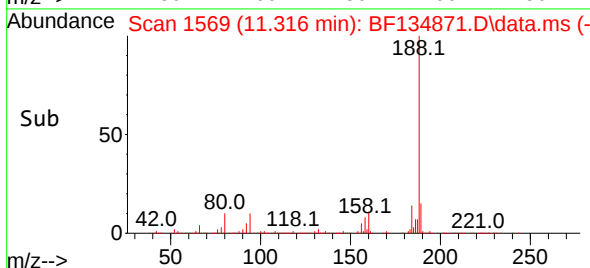
Reviewed By :Yogesh Patel 08/22/2023
 Supervised By :mohammad ahmed 08/22/2023

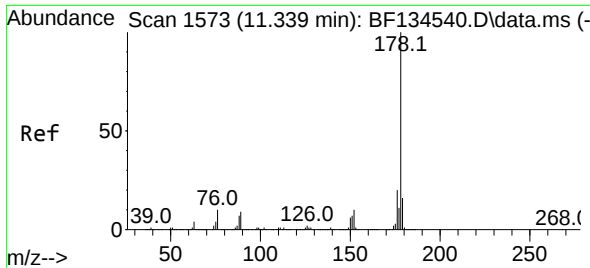


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.316 min Scan# 1569
 Delta R.T. -0.006 min
 Lab File: BF134871.D
 Acq: 21 Aug 2023 17:03



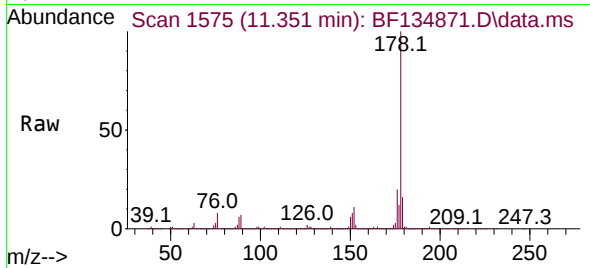
Tgt Ion:188 Resp: 379451
 Ion Ratio Lower Upper
 188 100
 94 10.4 5.1 7.7#
 80 10.0 6.6 9.8#





#71
Phenanthrene
Concen: 97.159 ng
RT: 11.351 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BF134871.D
Acq: 21 Aug 2023 17:03

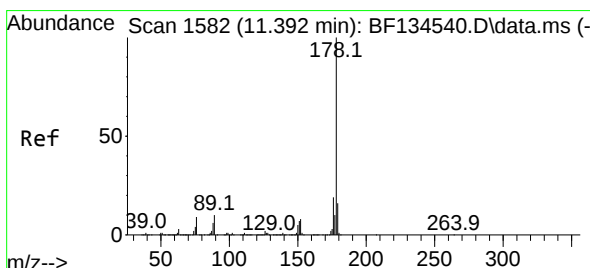
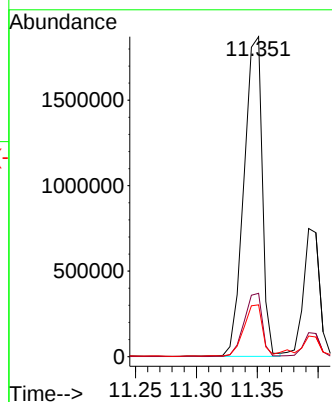
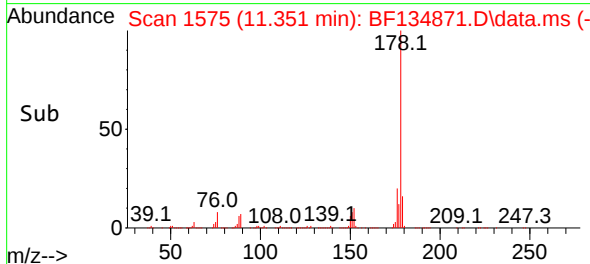
Instrument :
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Tgt Ion:178 Resp: 1958239
Ion Ratio Lower Upper
178 100
176 19.8 15.8 23.6
179 16.2 12.7 19.1

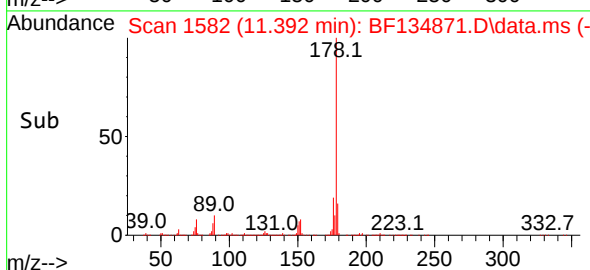
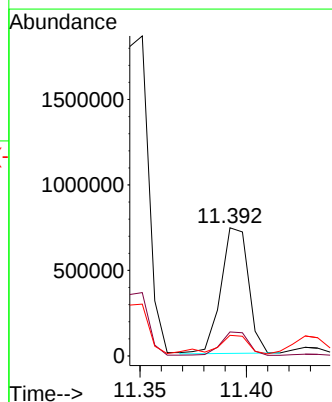
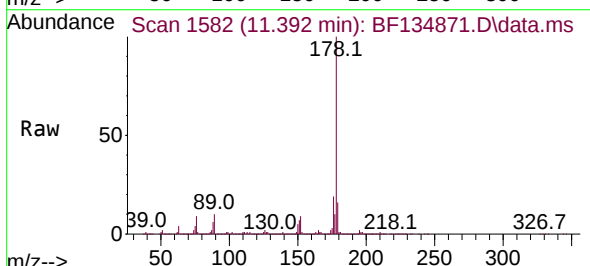
Manual Integrations
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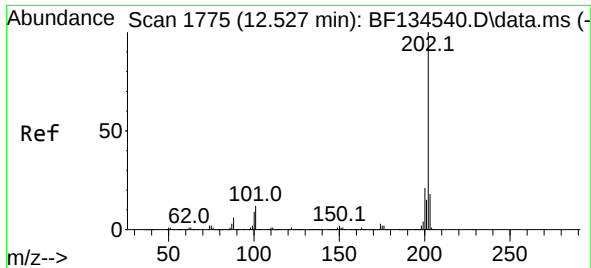
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023



#72
Anthracene
Concen: 32.099 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF134871.D
Acq: 21 Aug 2023 17:03

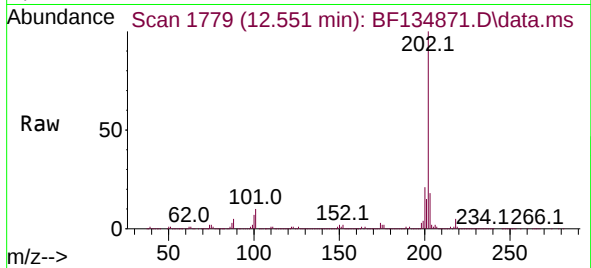
Tgt Ion:178 Resp: 660834
Ion Ratio Lower Upper
178 100
176 18.7 14.6 21.8
179 16.1 12.3 18.5





#75
Fluoranthene
Concen: 104.053 ng
RT: 12.551 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF134871.D
Acq: 21 Aug 2023 17:03

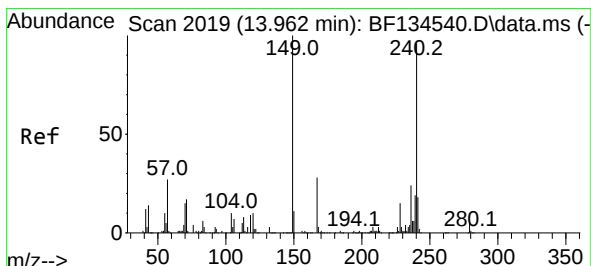
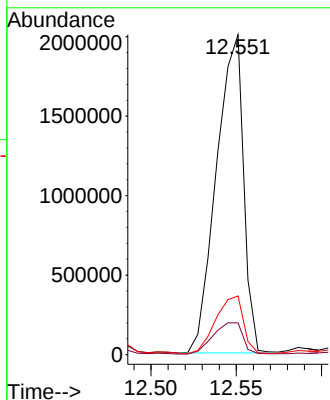
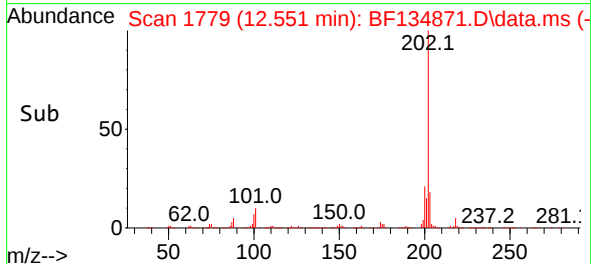
Instrument :
BNA_F
ClientSampleId :
B-PP10A



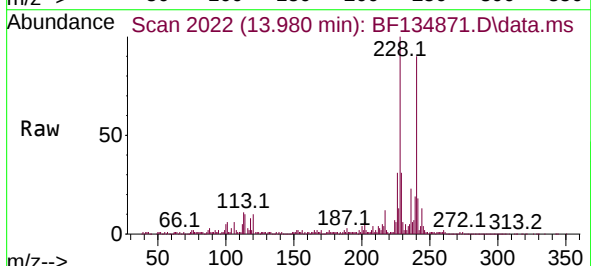
Tgt Ion:202 Resp: 2215283
Ion Ratio Lower Upper
202 100
101 9.9 0.0 28.5
203 18.3 0.0 37.5

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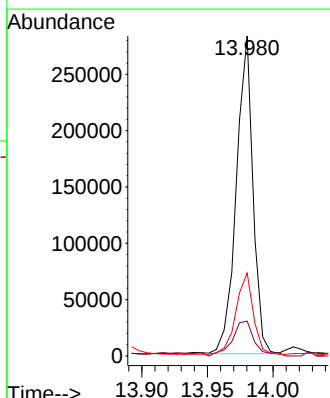
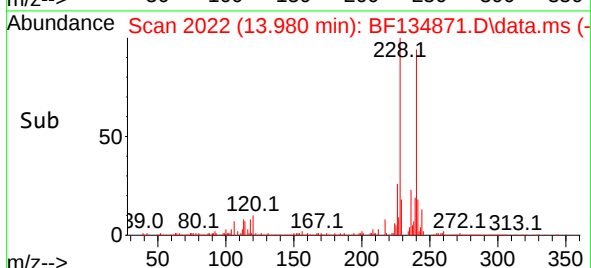
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023

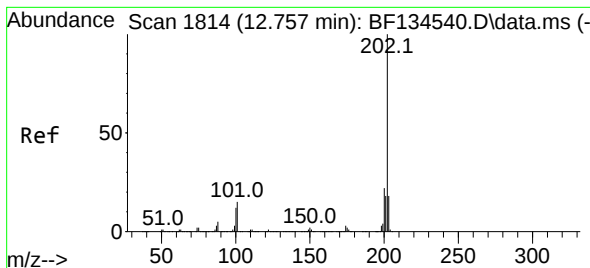


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. 0.006 min
Lab File: BF134871.D
Acq: 21 Aug 2023 17:03



Tgt Ion:240 Resp: 249800
Ion Ratio Lower Upper
240 100
120 10.9 6.6 10.0#
236 25.9 20.2 30.2





#78

Pyrene

Concen: 158.359 ng m

RT: 12.786 min Scan# 1819

Delta R.T. 0.018 min

Lab File: BF134871.D

Acq: 21 Aug 2023 17:03

Instrument :

BNA_F

ClientSampleId :

B-PP10A

Tgt Ion:202 Resp: 3423013

Ion Ratio Lower Upper

202 100

200 22.2 15.8 23.8

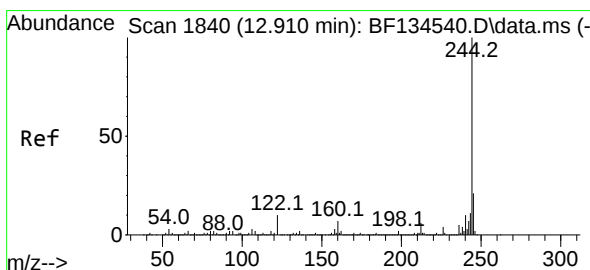
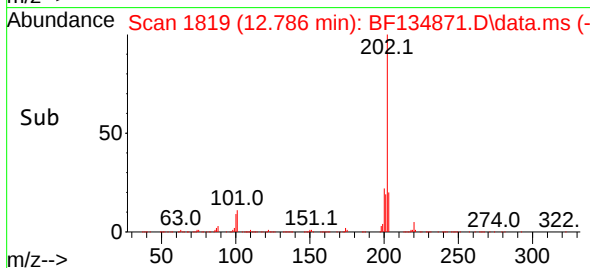
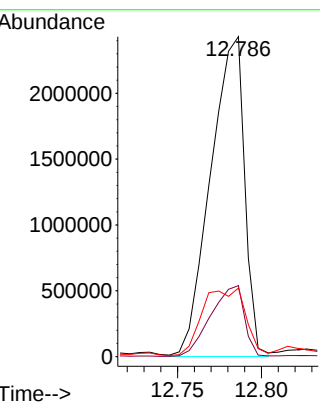
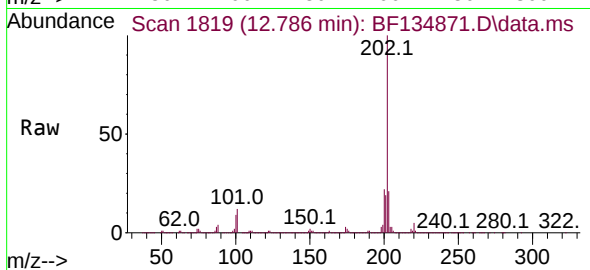
203 21.4 13.5 20.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/22/2023

Supervised By :mohammad ahmed 08/22/2023



#79

Terphenyl-d14

Concen: 54.761 ng

RT: 12.916 min Scan# 1841

Delta R.T. -0.006 min

Lab File: BF134871.D

Acq: 21 Aug 2023 17:03

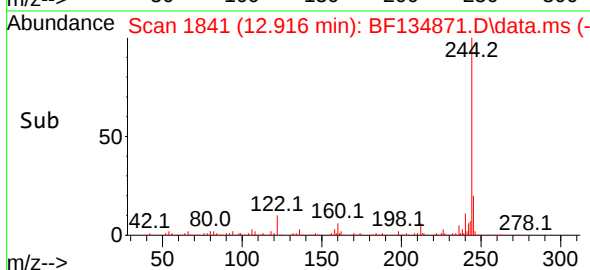
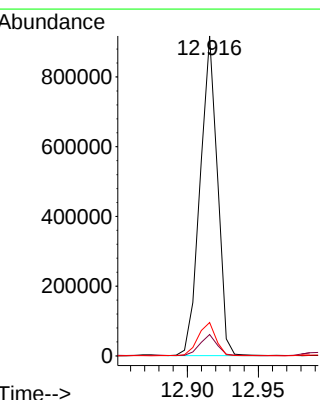
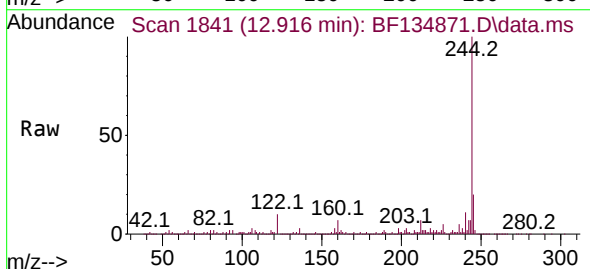
Tgt Ion:244 Resp: 775970

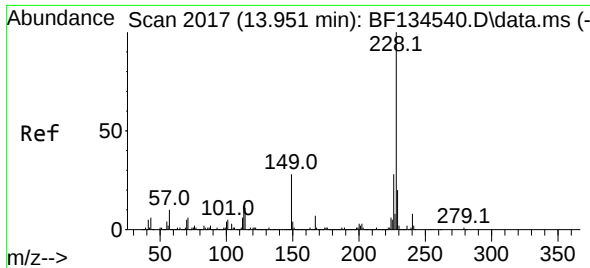
Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

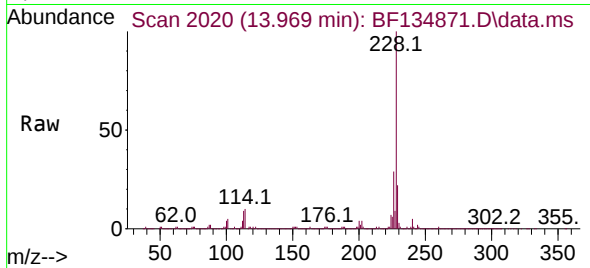
122 10.4 8.0 12.0





#81
Benzo(a)anthracene
Concen: 102.695 ng
RT: 13.969 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF134871.D
Acq: 21 Aug 2023 17:03

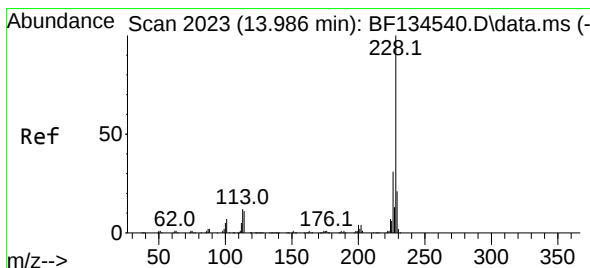
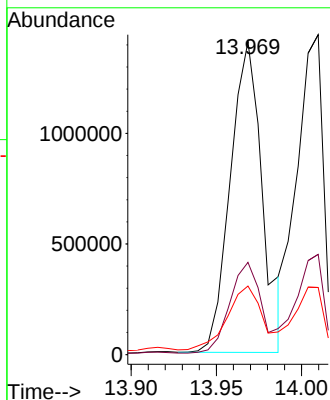
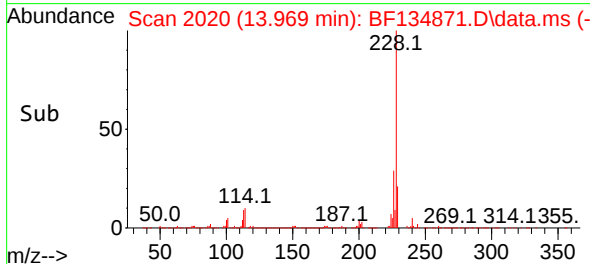
Instrument :
BNA_F
ClientSampleId :
B-PP10A



Tgt Ion:228 Resp: 1834330
Ion Ratio Lower Upper
228 100
226 29.5 22.3 33.5
229 21.9 15.8 23.6

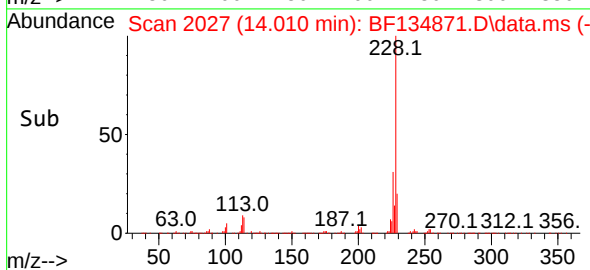
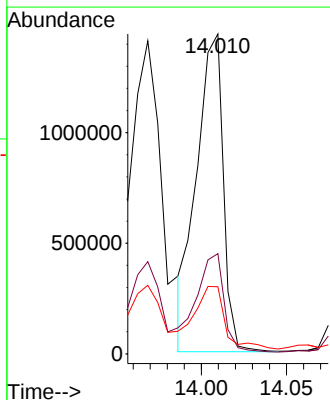
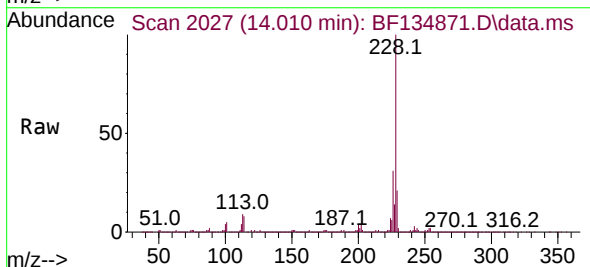
Manual Integrations
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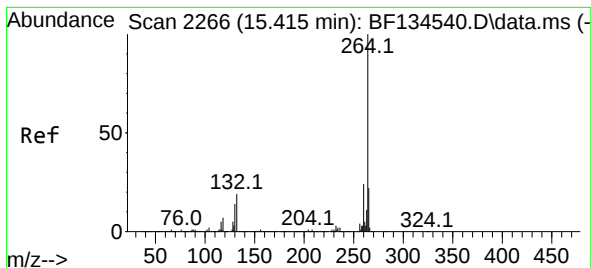
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023



#83
Chrysene
Concen: 90.441 ng
RT: 14.010 min Scan# 2027
Delta R.T. 0.012 min
Lab File: BF134871.D
Acq: 21 Aug 2023 17:03

Tgt Ion:228 Resp: 1573863
Ion Ratio Lower Upper
228 100
226 31.3 24.5 36.7
229 21.0 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134871.D

Acq: 21 Aug 2023 17:03

Instrument :

BNA_F

ClientSampleId :

B-PP10A

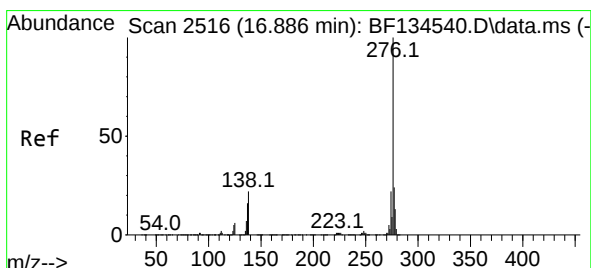
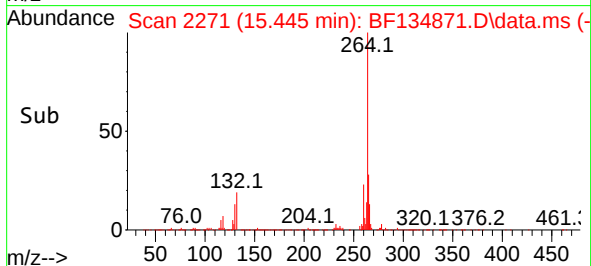
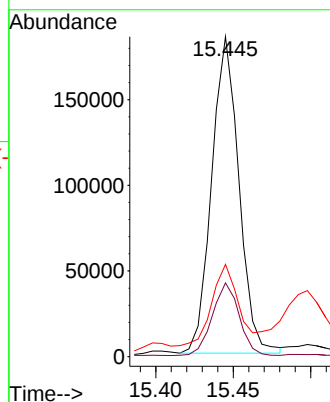
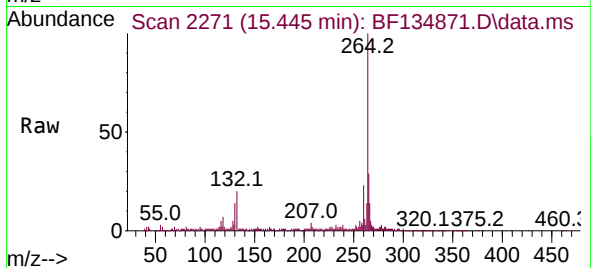
Tgt Ion:264	Resp:	227082
Ion Ratio	Lower	Upper
264	100	
260	23.0	18.4 27.6
265	28.8	15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/22/2023

Supervised By :mohammad ahmed 08/22/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 32.328 ng

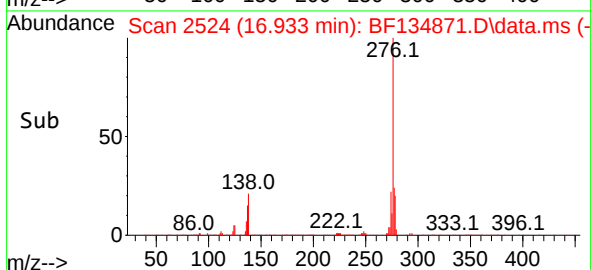
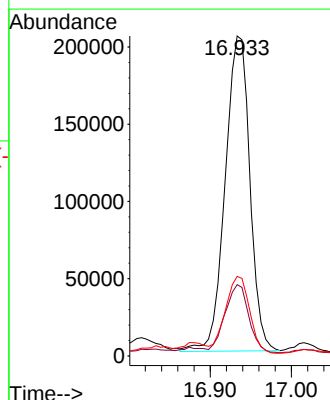
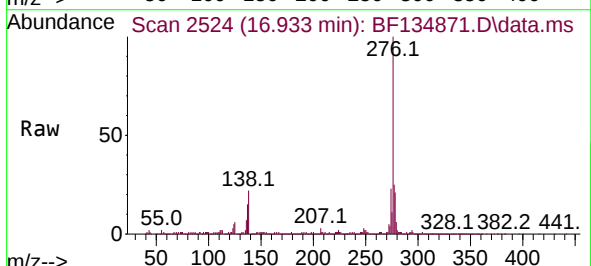
RT: 16.933 min Scan# 2524

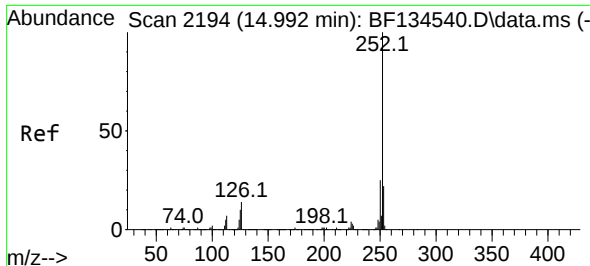
Delta R.T. 0.006 min

Lab File: BF134871.D

Acq: 21 Aug 2023 17:03

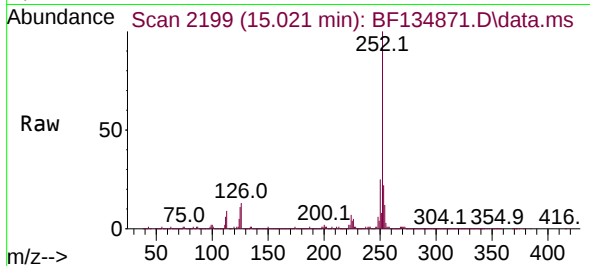
Tgt Ion:276	Resp:	431747
Ion Ratio	Lower	Upper
276	100	
138	20.9	14.2 21.4
277	23.8	19.9 29.9





#88
Benzo(b)fluoranthene
Concen: 82.476 ng m
RT: 15.021 min Scan# 2194
Delta R.T. 0.012 min
Lab File: BF134871.D
Acq: 21 Aug 2023 17:03

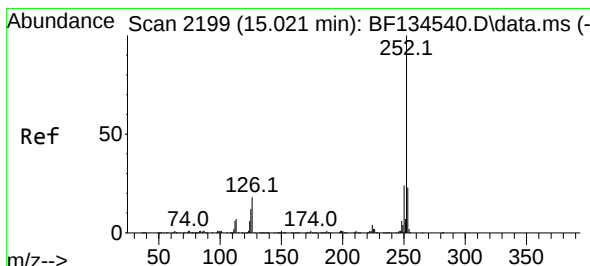
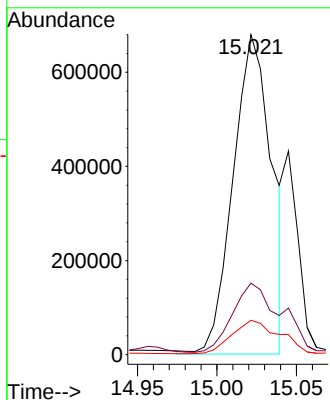
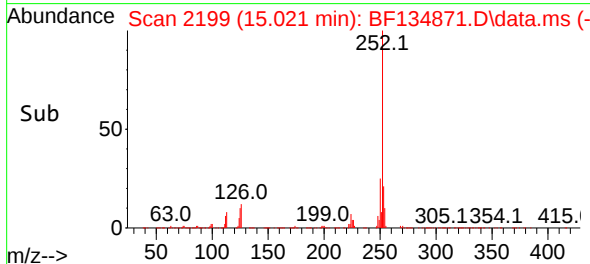
Instrument :
BNA_F
ClientSampleId :
B-PP10A



Tgt Ion:252 Resp: 1142253
Ion Ratio Lower Upper
252 100
253 22.3 17.3 25.9
125 10.7 6.0 9.0

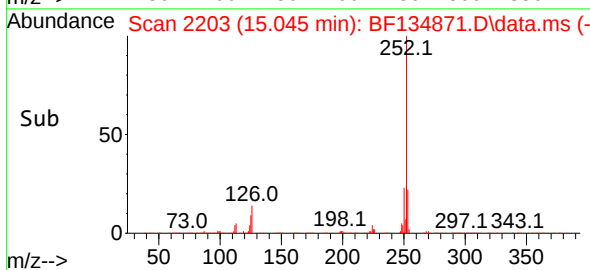
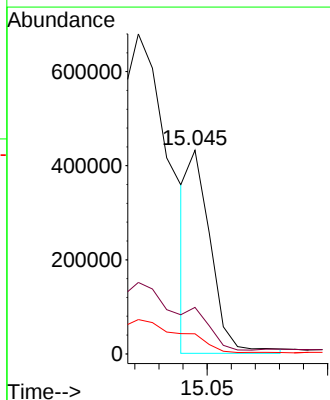
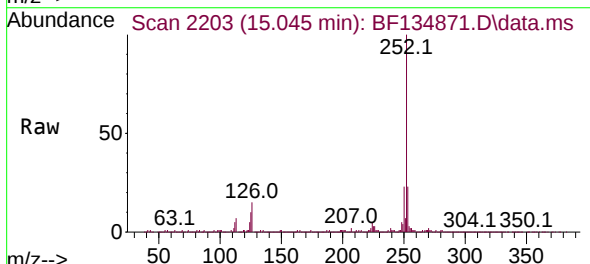
Manual Integrations
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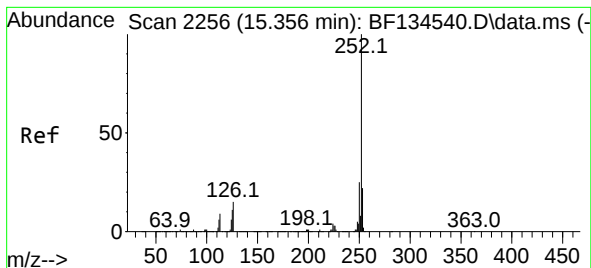
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023



#89
Benzo(k)fluoranthene
Concen: 20.121 ng m
RT: 15.045 min Scan# 2203
Delta R.T. 0.006 min
Lab File: BF134871.D
Acq: 21 Aug 2023 17:03

Tgt Ion:252 Resp: 277593
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 9.8 6.3 9.5





#90

Benzo(a)pyrene

Concen: 78.873 ng

RT: 15.386 min Scan# 2256

Delta R.T. 0.006 min

Lab File: BF134871.D

Acq: 21 Aug 2023 17:03

Instrument :

BNA_F

ClientSampleId :

B-PP10A

Tgt Ion:252 Resp: 1018486

Ion Ratio Lower Upper

252 100

253 22.3 17.0 25.4

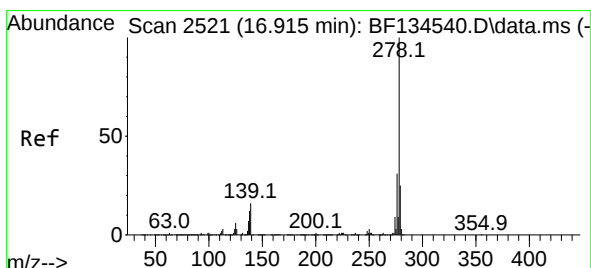
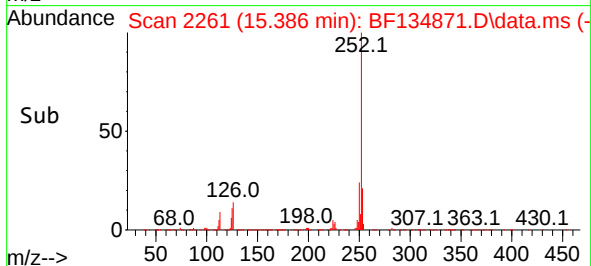
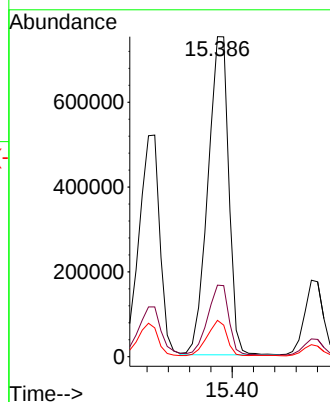
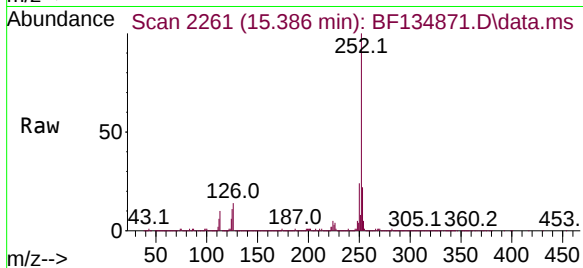
125 11.3 6.2 9.4

Manual Integrations

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Reviewed By :Yogesh Patel 08/22/2023

Supervised By :mohammad ahmed 08/22/2023



#91

Dibenzo(a,h)anthracene

Concen: 10.803 ng

RT: 16.945 min Scan# 2526

Delta R.T. -0.006 min

Lab File: BF134871.D

Acq: 21 Aug 2023 17:03

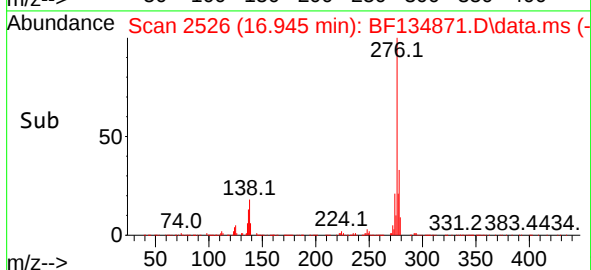
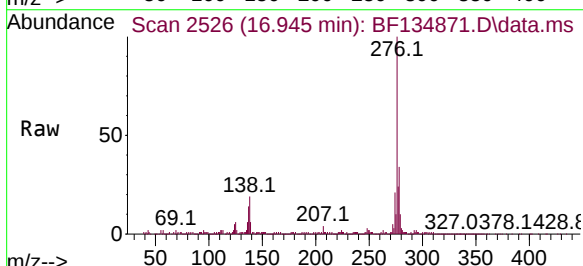
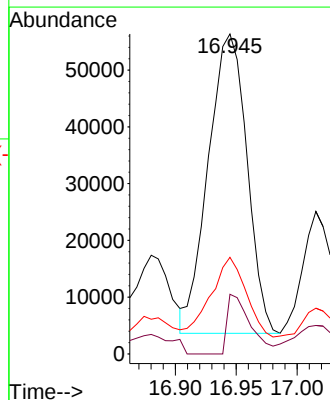
Tgt Ion:278 Resp: 116593

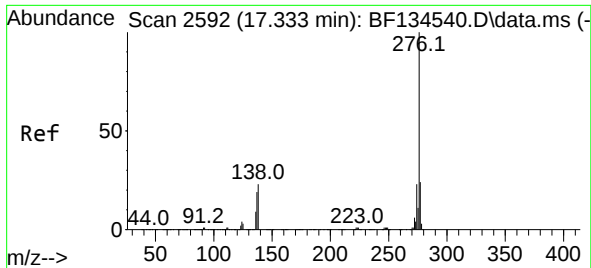
Ion Ratio Lower Upper

278 100

139 18.6 10.0 15.0#

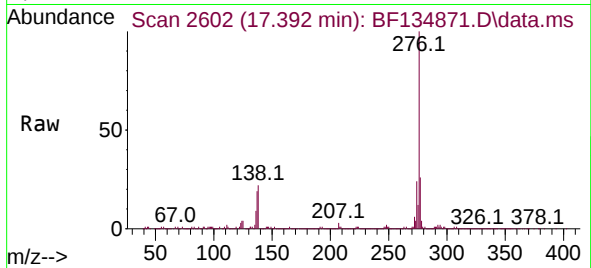
279 30.2 19.7 29.5#





#92
 Benzo(g,h,i)perylene
 Concen: 45.233 ng
 RT: 17.392 min Scan# 20
 Delta R.T. 0.018 min
 Lab File: BF134871.D
 Acq: 21 Aug 2023 17:03

Instrument :
 BNA_F
 ClientSampleId :
 B-PP10A



Tgt Ion:276 Resp: 49800
 Ion Ratio Lower Upper
 276 100
 277 25.6 19.0 28.6
 138 21.9 12.2 18.2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/22/2023
 Supervised By :mohammad ahmed 08/22/2023

