

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080723\
 Data File : BF134651.D
 Acq On : 07 Aug 2023 13:31
 Operator : CG\JU
 Sample : 03840-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BUILDING-B-19-(0-5)

Manual Integrations
 APPROVED

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

Quant Time: Aug 08 01:21:01 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	218338	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	826115	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	383094	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	599481	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	446390	20.000	ng	0.00
86) Perylene-d12	15.439	264	481598	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	845185	58.843	ng	0.00
7) Phenol-d6	6.428	99	1055166	57.468	ng	-0.01
23) Nitrobenzene-d5	7.357	82	593951	44.930	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	219595	56.230	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	951517	41.297	ng	-0.01
79) Terphenyl-d14	12.916	244	822962	32.500	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.345	178	496404	15.590	ng	100
72) Anthracene	11.392	178	184293	5.666	ng	98
75) Fluoranthene	12.539	202	1388622	41.285	ng	96
78) Pyrene	12.769	202	1347924	34.896	ng	96
81) Benzo(a)anthracene	13.963	228	770523	24.140	ng	96
83) Chrysene	13.998	228	667858	21.476	ng	98
87) Indeno(1,2,3-cd)pyrene	16.921	276	311121	10.984	ng	97
88) Benzo(b)fluoranthene	15.010	252	834327m	28.405	ng	
89) Benzo(k)fluoranthene	15.039	252	292616m	10.001	ng	
90) Benzo(a)pyrene	15.374	252	616625	22.516	ng	# 95
91) Dibenzo(a,h)anthracene	16.933	278	75861m	3.314	ng	
92) Benzo(g,h,i)perylene	17.368	276	275043	11.779	ng	# 92

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

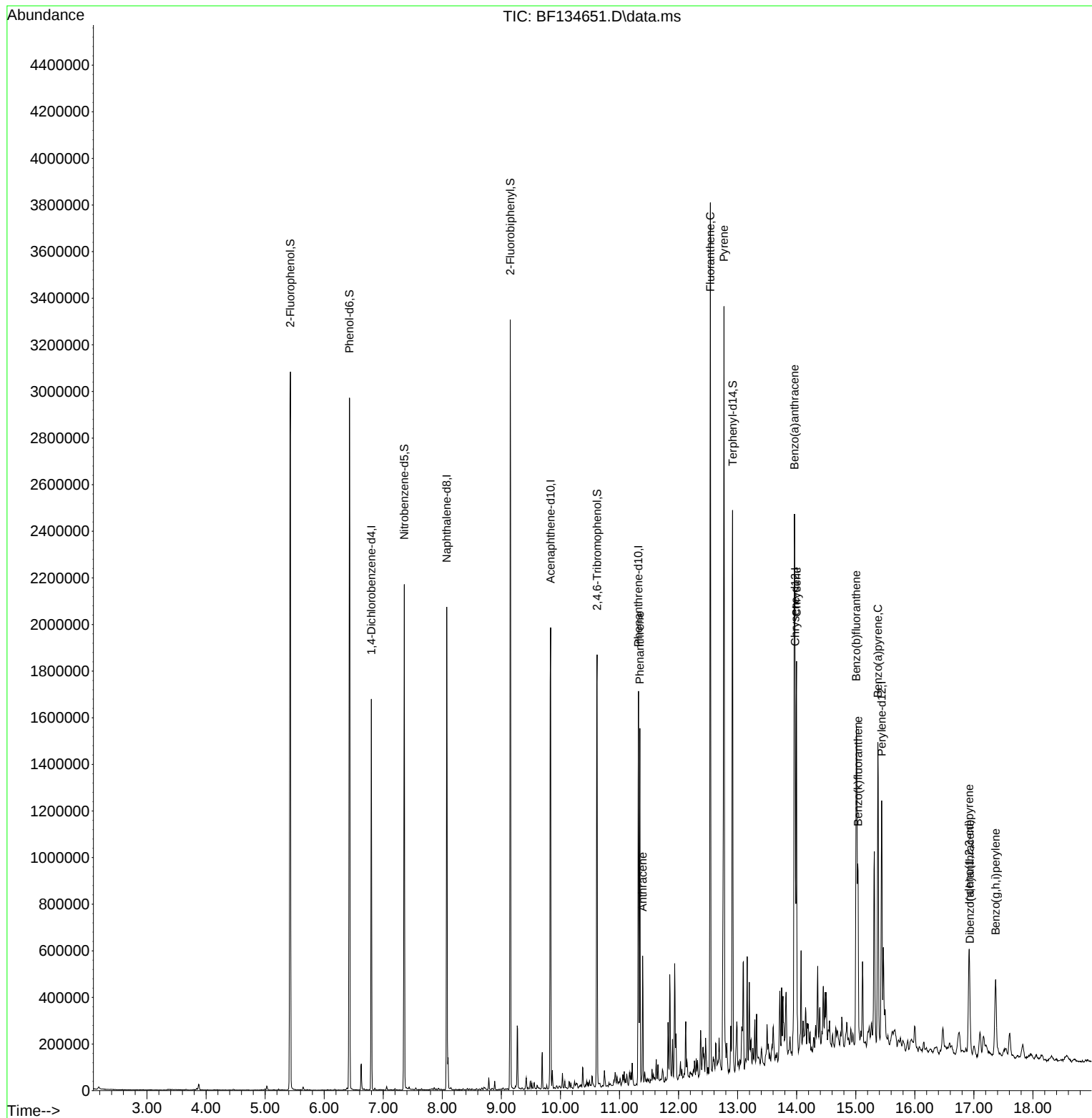
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080723\
Data File : BF134651.D
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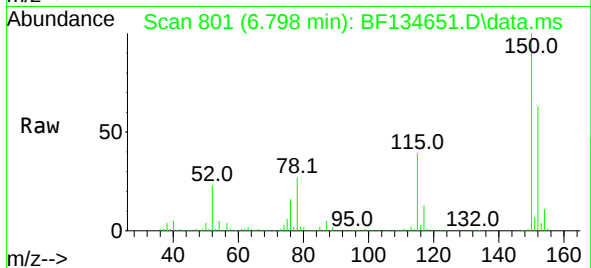
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134651.D
Acq: 07 Aug 2023 13:31

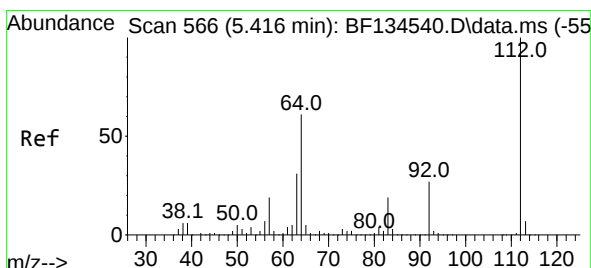
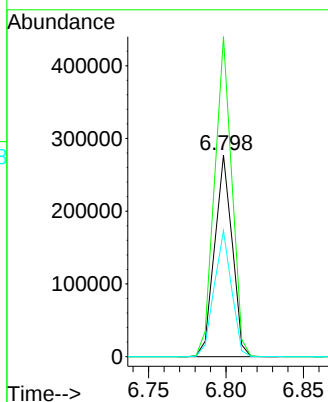
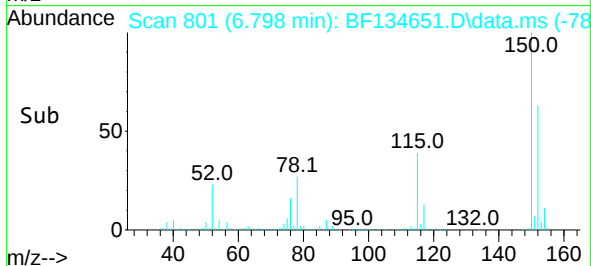
Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)



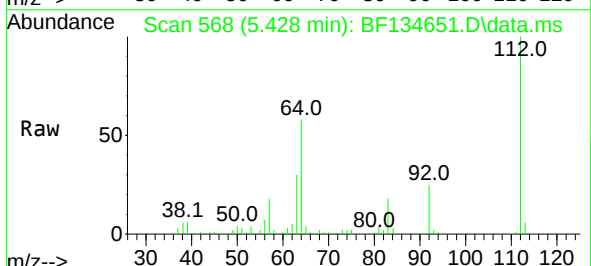
Tgt Ion:152 Resp: 218338
Ion Ratio Lower Upper
152 100
150 158.7 128.3 192.5
115 62.4 52.4 78.6

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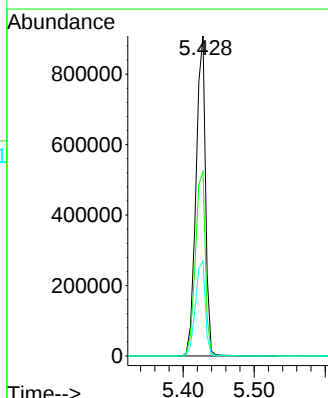
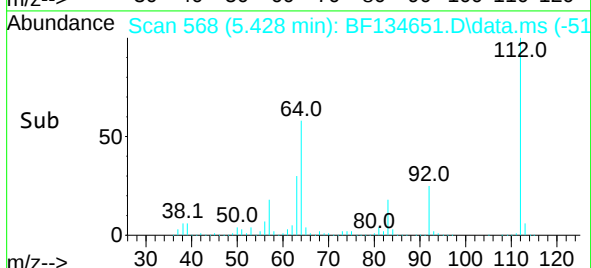
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#5
2-Fluorophenol
Concen: 58.843 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF134651.D
Acq: 07 Aug 2023 13:31



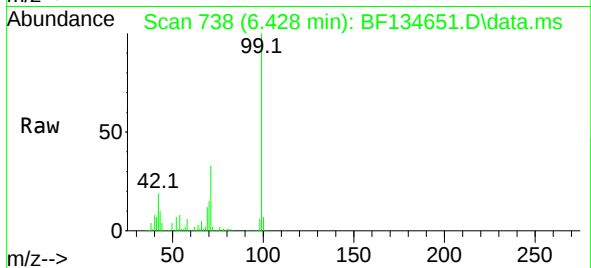
Tgt Ion:112 Resp: 845185
Ion Ratio Lower Upper
112 100
64 57.6 44.9 67.3
63 29.7 25.4 38.0





#7
Phenol-d6
Concen: 57.468 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134651.D
Acq: 07 Aug 2023 13:31

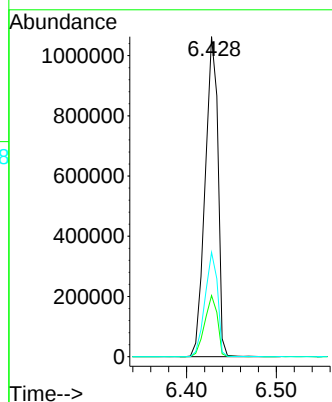
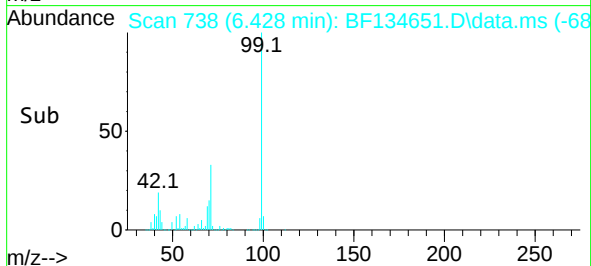
Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)



Tgt Ion: 99 Resp: 105516
Ion Ratio Lower Upper
99 100
42 19.1 18.7 28.1
71 32.6 36.4 54.6

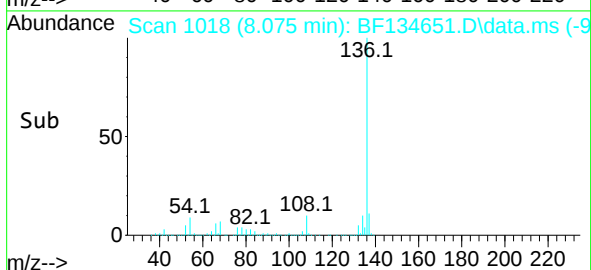
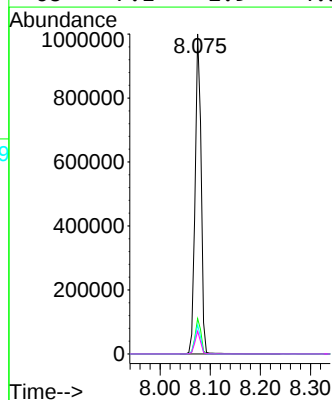
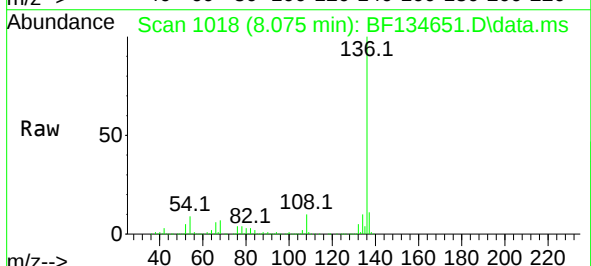
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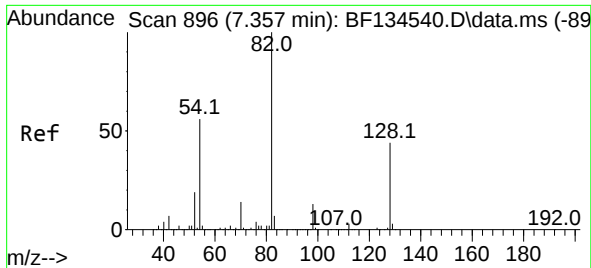
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134651.D
Acq: 07 Aug 2023 13:31

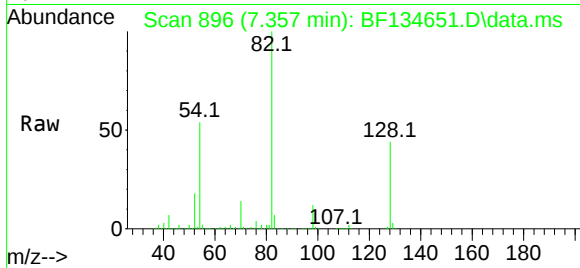
Tgt Ion:136 Resp: 826115
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 9.0 5.2 7.8#
68 7.1 2.9 4.3#





#23
Nitrobenzene-d5
Concen: 44.930 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF134651.D
Acq: 07 Aug 2023 13:31

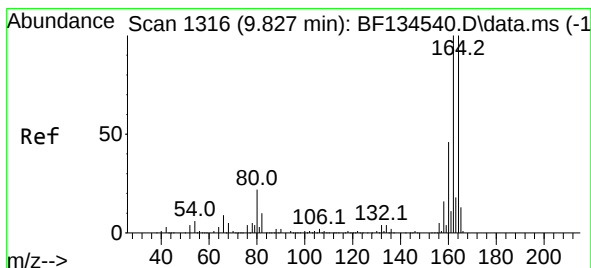
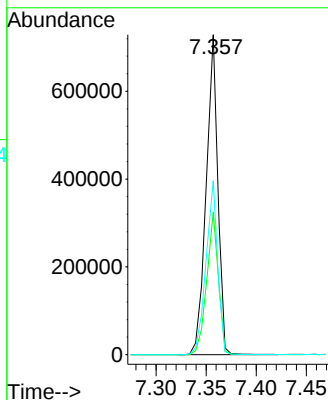
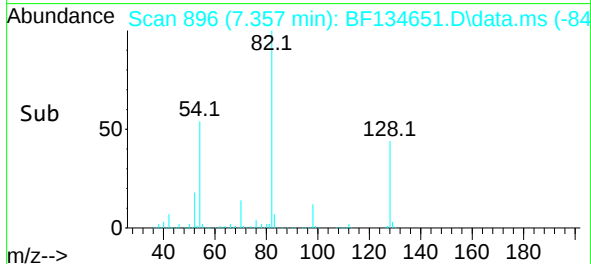
Instrument :
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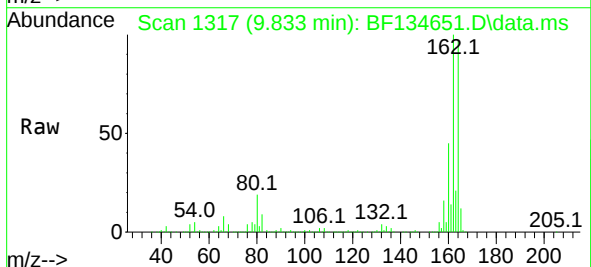
Tgt Ion: 82 Resp: 59395
Ion Ratio Lower Upper
82 100
128 44.5 34.3 51.5
54 54.3 43.8 65.6

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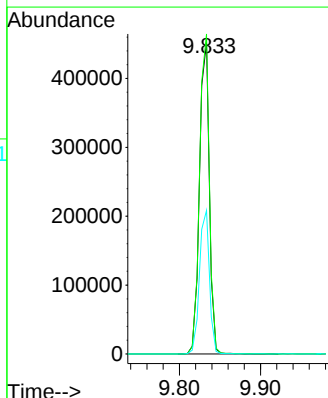
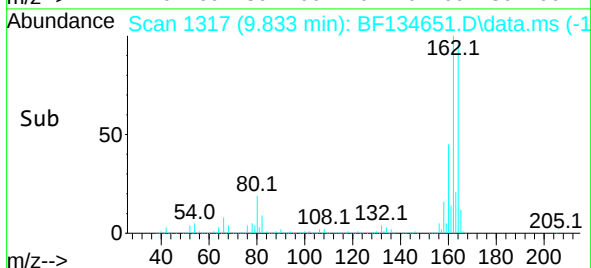
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023

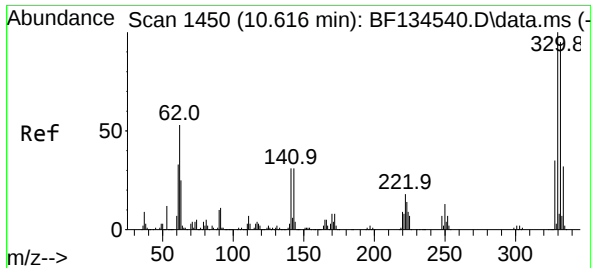


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.000 min
Lab File: BF134651.D
Acq: 07 Aug 2023 13:31



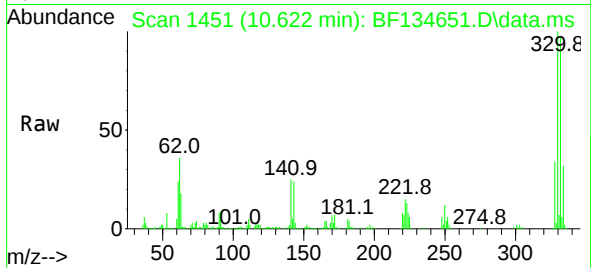
Tgt Ion:164 Resp: 383094
Ion Ratio Lower Upper
164 100
162 102.6 82.6 123.8
160 46.0 37.2 55.8





#42
2,4,6-Tribromophenol
Concen: 56.230 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134651.D
Acq: 07 Aug 2023 13:31

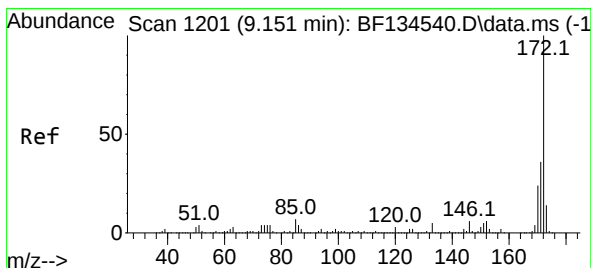
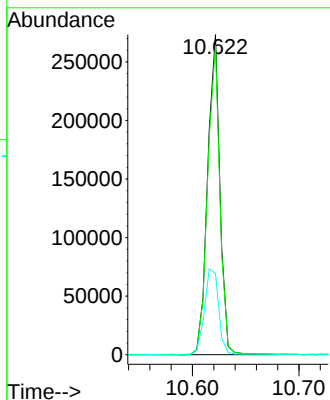
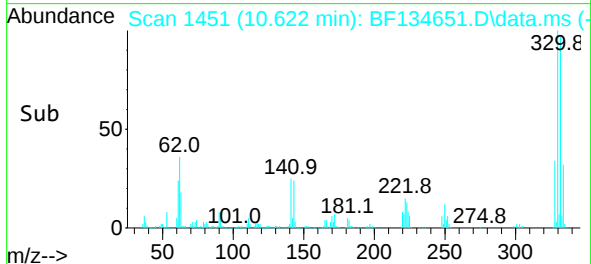
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BUILDING-B-19-(0-5)



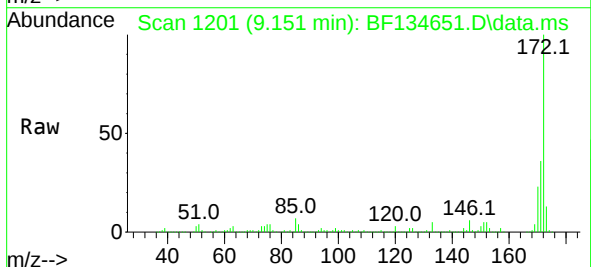
Tgt Ion: 330 Resp: 21959
Ion Ratio Lower Upper
330 100
332 96.6 78.8 118.2
141 30.8 25.4 38.2

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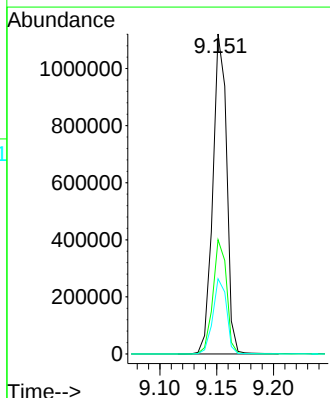
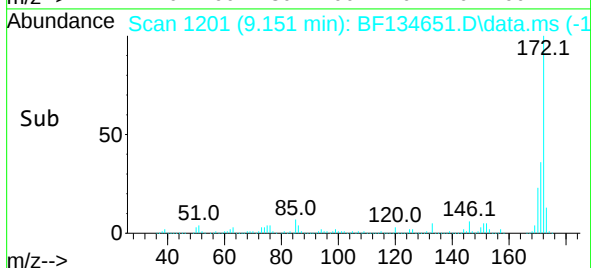
Reviewed By : Yogesh Patel 08/08/2023
Supervised By : mohammad ahmed 08/08/2023



#45
2-Fluorobiphenyl
Concen: 41.297 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF134651.D
Acq: 07 Aug 2023 13:31



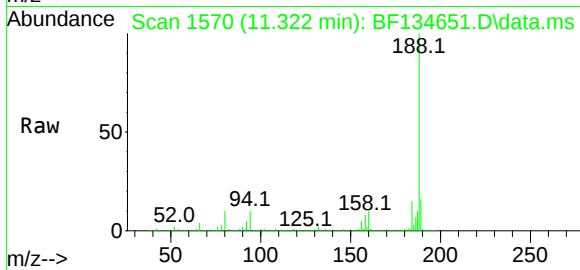
Tgt Ion: 172 Resp: 951517
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 23.5 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF134651.D
Acq: 07 Aug 2023 13:31

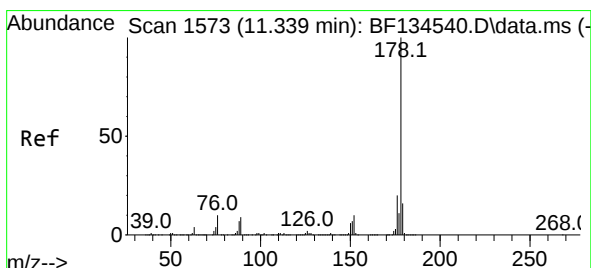
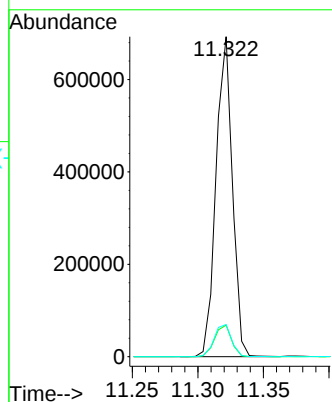
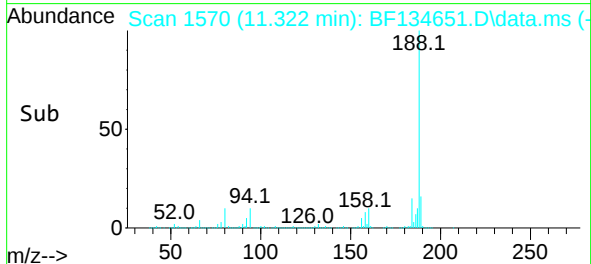
Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)



Tgt Ion:188 Resp: 59948
Ion Ratio Lower Upper
188 100
94 9.8 5.1 7.7
80 10.1 6.6 9.8

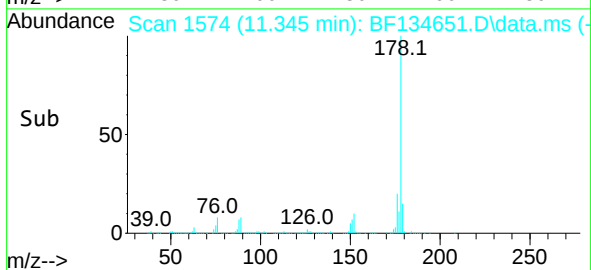
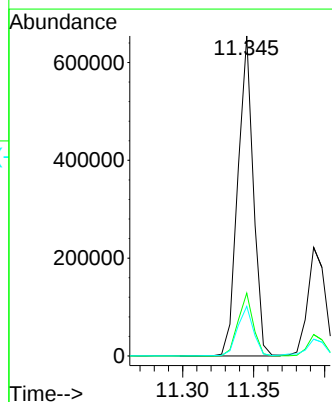
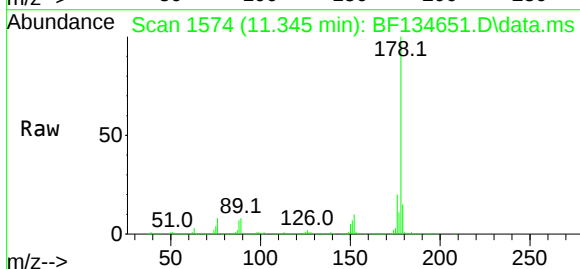
Manual Integrations
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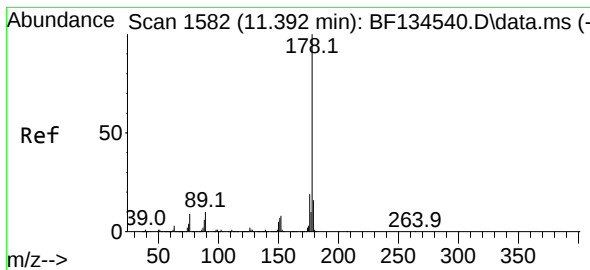
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#71
Phenanthrene
Concen: 15.590 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF134651.D
Acq: 07 Aug 2023 13:31

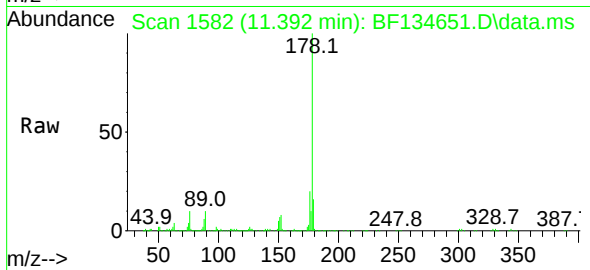
Tgt Ion:178 Resp: 496404
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.6
179 15.5 12.7 19.1





#72
 Anthracene
 Concen: 5.666 ng
 RT: 11.392 min Scan# 11392
 Delta R.T. -0.012 min
 Lab File: BF134651.D
 Acq: 07 Aug 2023 13:31

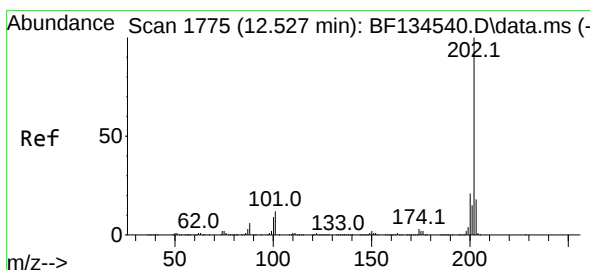
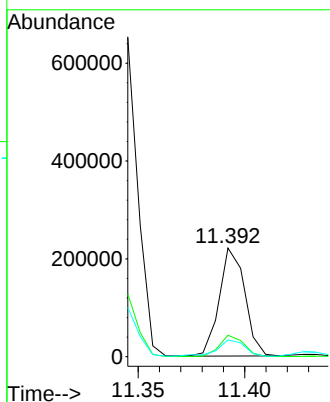
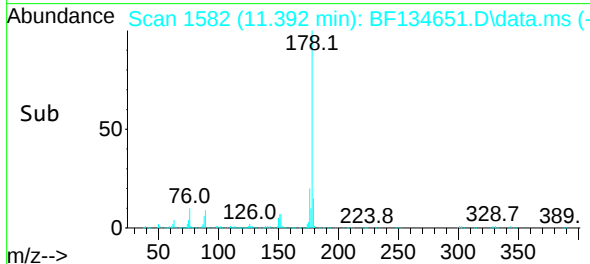
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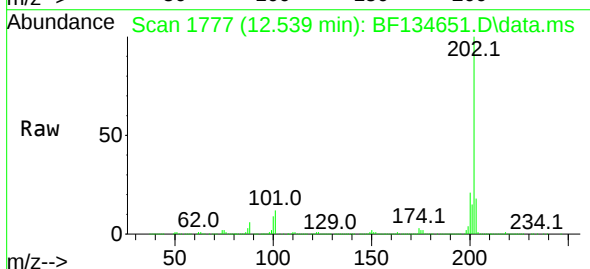
Tgt Ion:178 Resp: 18429
 Ion Ratio Lower Upper
 178 100
 176 19.7 14.6 21.8
 179 15.5 12.3 18.5

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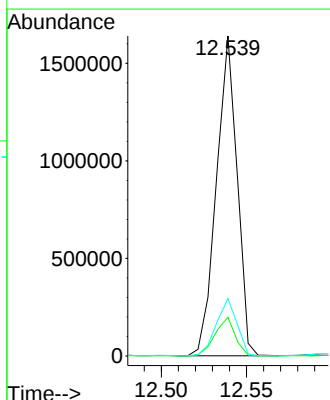
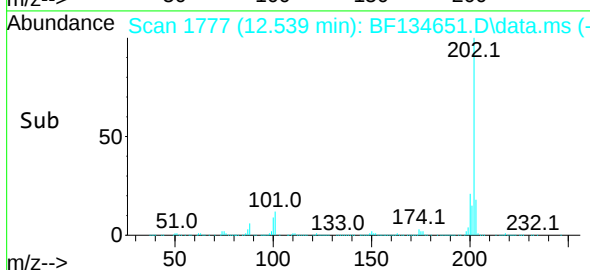
Reviewed By :Yogesh Patel 08/08/2023
 Supervised By :mohammad ahmed 08/08/2023

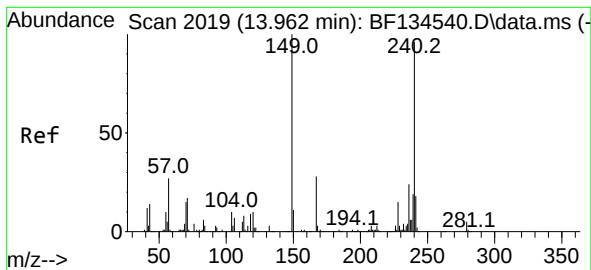


#75
 Fluoranthene
 Concen: 41.285 ng
 RT: 12.539 min Scan# 1777
 Delta R.T. 0.000 min
 Lab File: BF134651.D
 Acq: 07 Aug 2023 13:31



Tgt Ion:202 Resp: 1388622
 Ion Ratio Lower Upper
 202 100
 101 12.1 0.0 28.5
 203 18.0 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF134651.D

Acq: 07 Aug 2023 13:31

Instrument :

BNA_F

ClientSampleId :

BUILDING-B-19-(0-5)

Tgt Ion:240 Resp: 446390

Ion Ratio Lower Upper

240 100

120 9.8 6.6 10.0

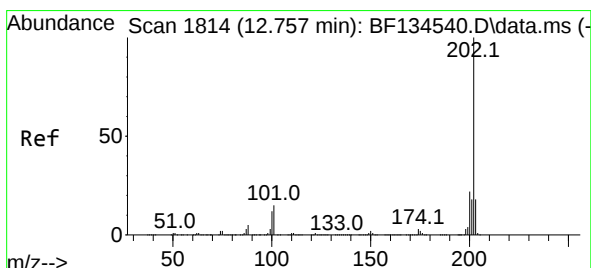
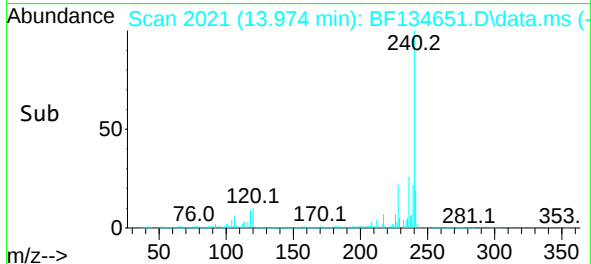
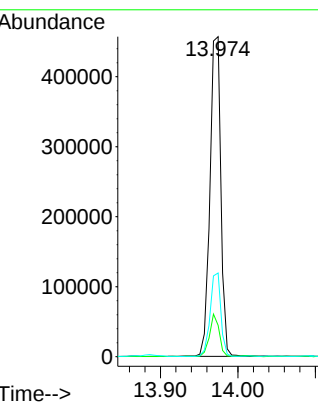
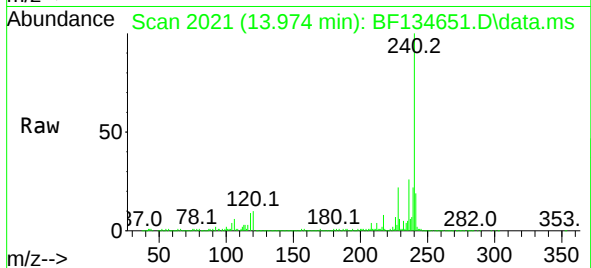
236 26.2 20.2 30.2

Manual Integrations

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Reviewed By :Yogesh Patel 08/08/2023

Supervised By :mohammad ahmed 08/08/2023



#78

Pyrene

Concen: 34.896 ng

RT: 12.769 min Scan# 1816

Delta R.T. 0.000 min

Lab File: BF134651.D

Acq: 07 Aug 2023 13:31

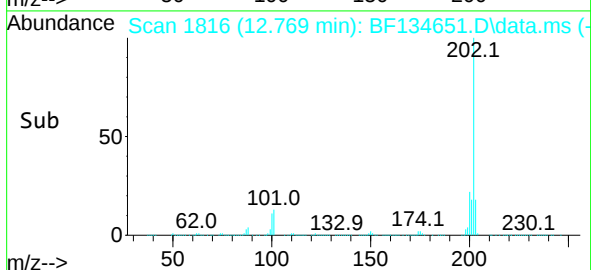
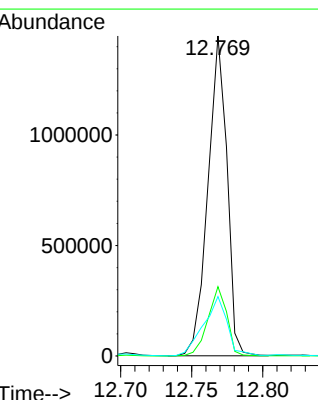
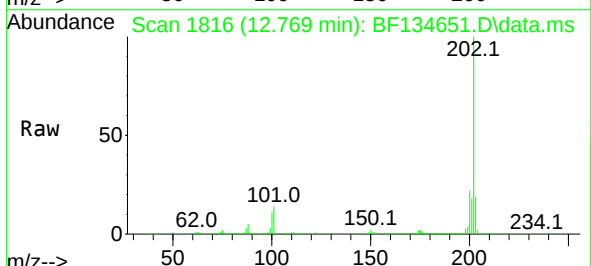
Tgt Ion:202 Resp: 1347924

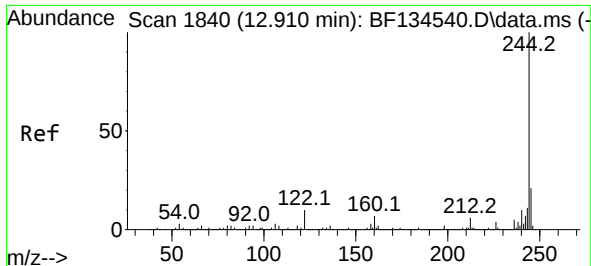
Ion Ratio Lower Upper

202 100

200 21.7 15.8 23.8

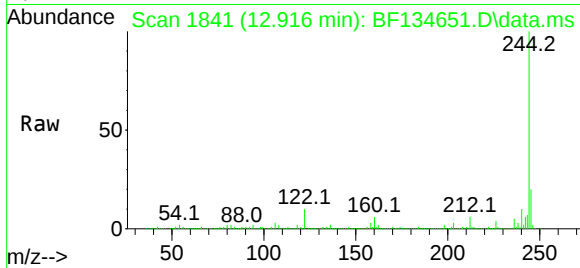
203 18.5 13.5 20.3





#79
 Terphenyl-d14
 Concen: 32.500 ng
 RT: 12.916 min Scan# 1840
 Delta R.T. -0.006 min
 Lab File: BF134651.D
 Acq: 07 Aug 2023 13:31

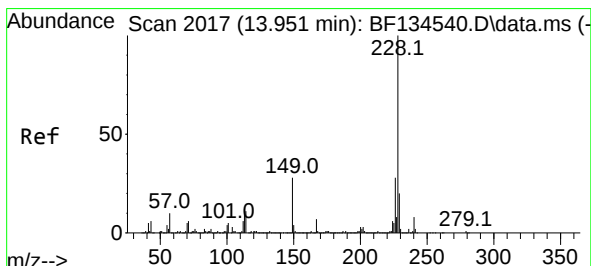
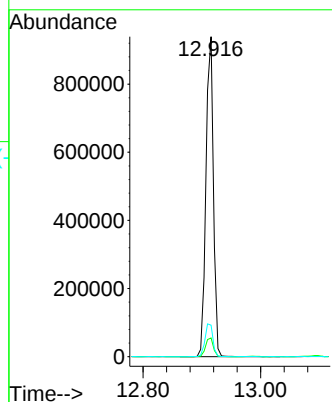
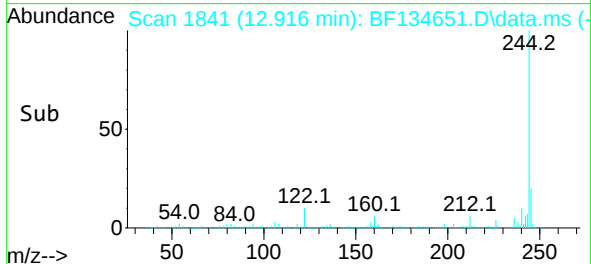
Instrument :
 BNA_F
 ClientSampleId :
 BUILDING-B-19-(0-5)



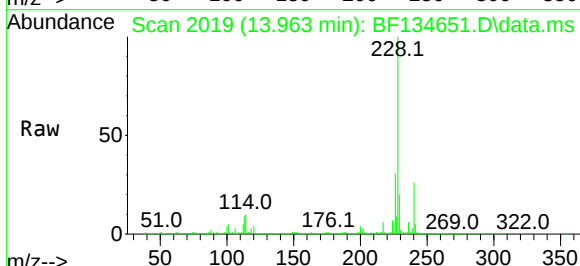
Tgt Ion:244 Resp: 822962
 Ion Ratio Lower Upper
 244 100
 212 5.8 5.6 8.4
 122 9.9 8.0 12.0

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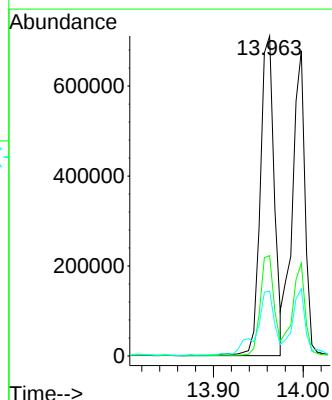
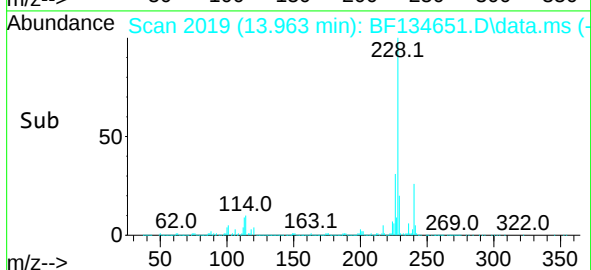
Reviewed By :Yogesh Patel 08/08/2023
 Supervised By :mohammad ahmed 08/08/2023

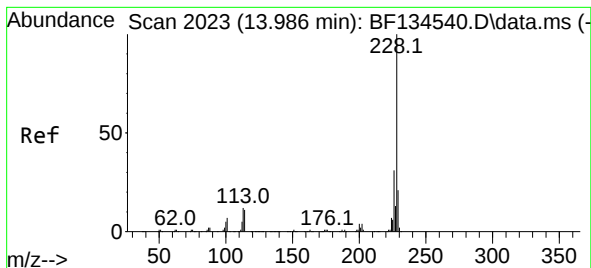


#81
 Benzo(a)anthracene
 Concen: 24.140 ng
 RT: 13.963 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: BF134651.D
 Acq: 07 Aug 2023 13:31



Tgt Ion:228 Resp: 770523
 Ion Ratio Lower Upper
 228 100
 226 31.3 22.3 33.5
 229 20.3 15.8 23.6





#83

Chrysene

Concen: 21.476 ng

RT: 13.998 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF134651.D

Acq: 07 Aug 2023 13:31

Instrument :

BNA_F

ClientSampleId :

BUILDING-B-19-(0-5)

Tgt Ion:228 Resp: 66785

Ion Ratio Lower Upper

228 100

226 30.4 24.5 36.7

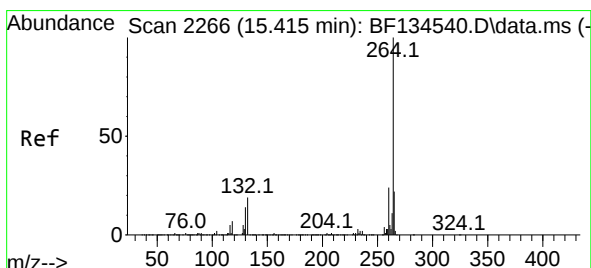
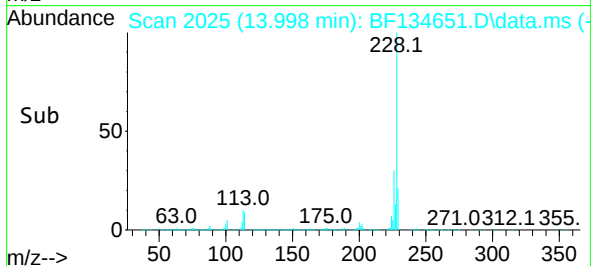
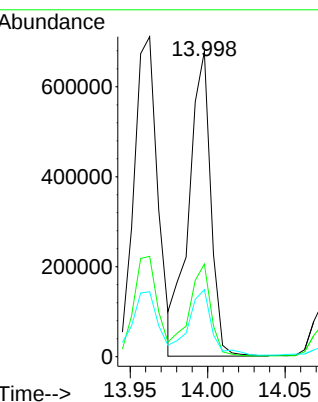
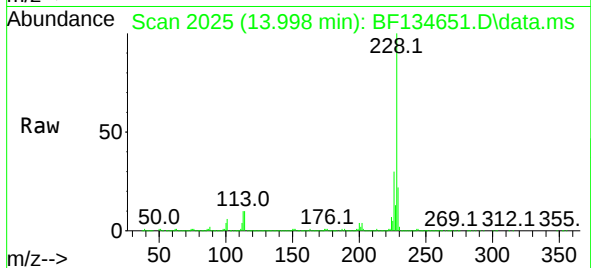
229 22.0 15.8 23.8

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Reviewed By :Yogesh Patel 08/08/2023

Supervised By :mohammad ahmed 08/08/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 2270

Delta R.T. 0.000 min

Lab File: BF134651.D

Acq: 07 Aug 2023 13:31

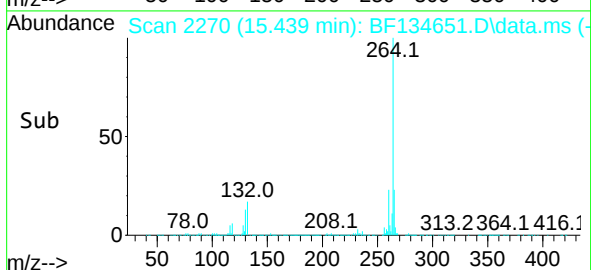
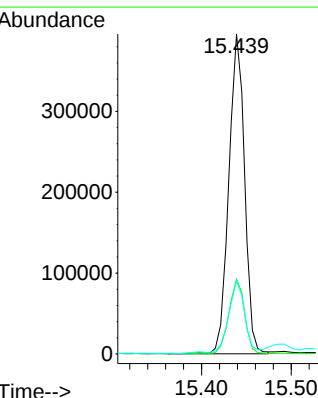
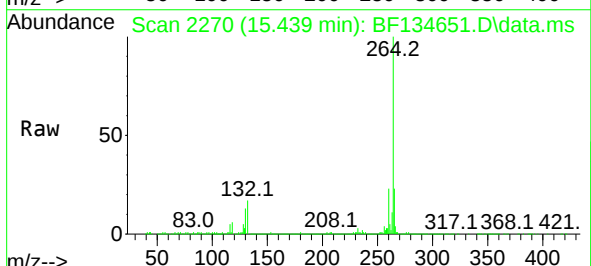
Tgt Ion:264 Resp: 481598

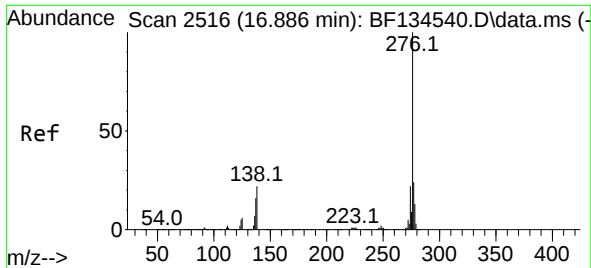
Ion Ratio Lower Upper

264 100

260 23.4 18.4 27.6

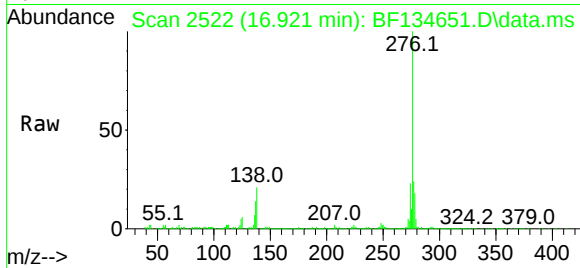
265 22.8 15.8 23.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 10.984 ng
RT: 16.921 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BF134651.D
Acq: 07 Aug 2023 13:31

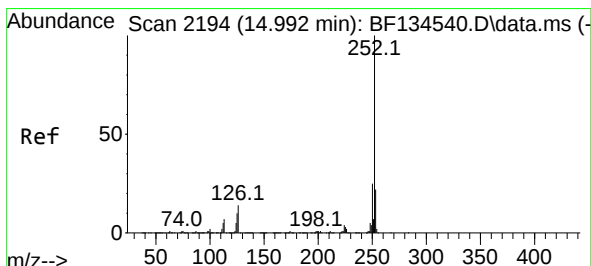
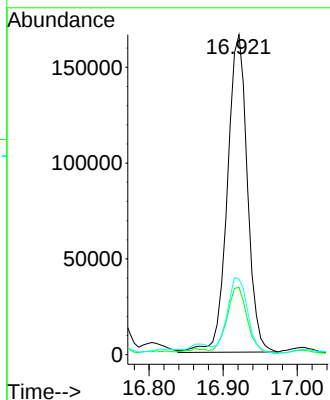
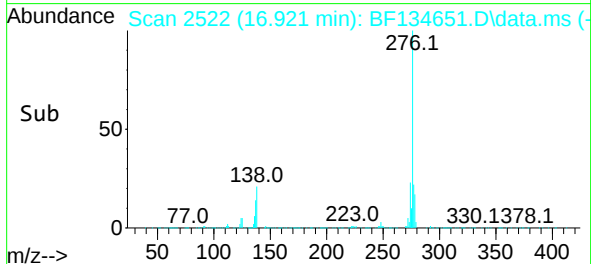
Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)



Tgt Ion:276 Resp: 31112
Ion Ratio Lower Upper
276 100
138 21.2 14.2 21.4
277 24.8 19.9 29.9

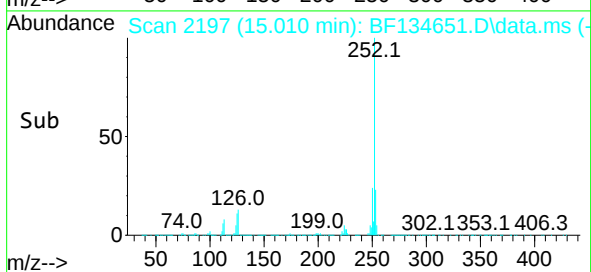
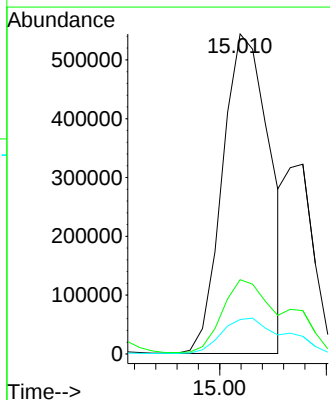
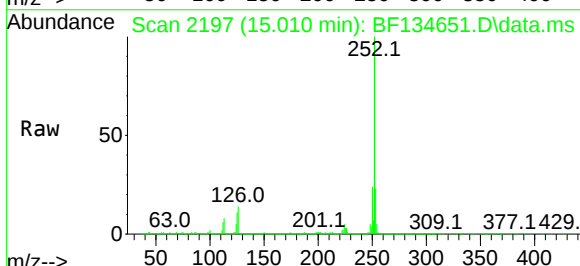
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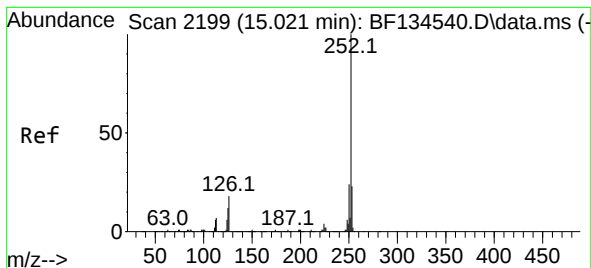
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#88
Benzo(b)fluoranthene
Concen: 28.405 ng m
RT: 15.010 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BF134651.D
Acq: 07 Aug 2023 13:31

Tgt Ion:252 Resp: 834327
Ion Ratio Lower Upper
252 100
253 23.2 17.3 25.9
125 10.7 6.0 9.0#





#89

Benzo(k)fluoranthene

Concen: 10.001 ng m

RT: 15.039 min Scan# 2199

Delta R.T. 0.000 min

Lab File: BF134651.D

Acq: 07 Aug 2023 13:31

Instrument :

BNF

ClientSampleId :

BUILDING-B-19-(0-5)

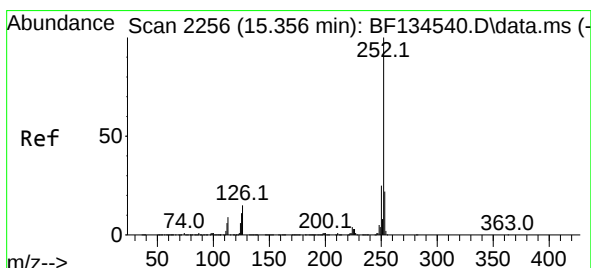
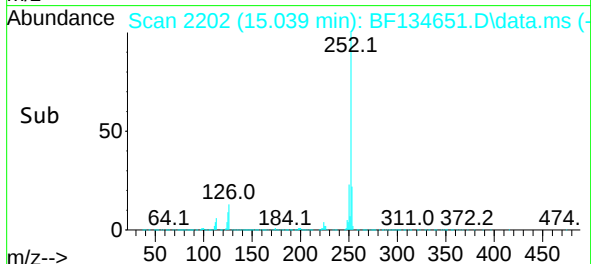
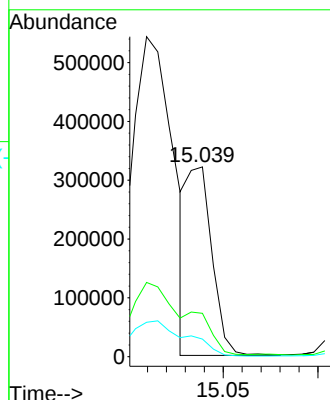
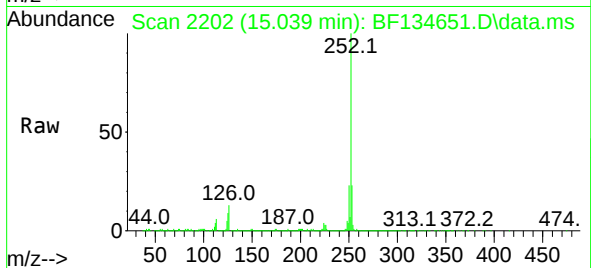
Tgt Ion:252 Resp: 292610
 Ion Ratio Lower Upper
 252 100
 253 22.9 17.9 26.9
 125 9.3 6.3 9.5

Manual Integrations

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Reviewed By :Yogesh Patel 08/08/2023

Supervised By :mohammad ahmed 08/08/2023



#90

Benzo(a)pyrene

Concen: 22.516 ng

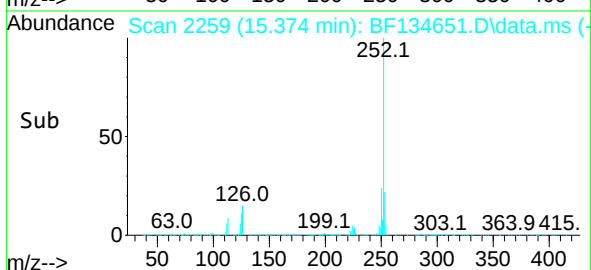
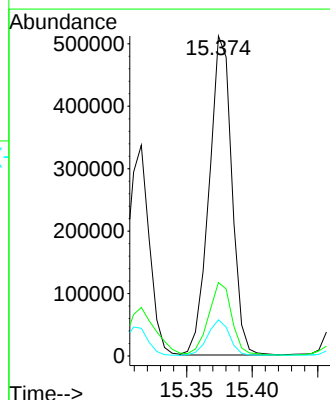
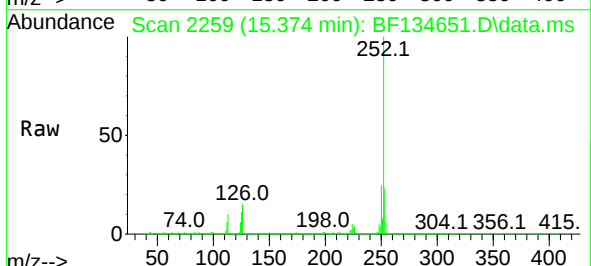
RT: 15.374 min Scan# 2259

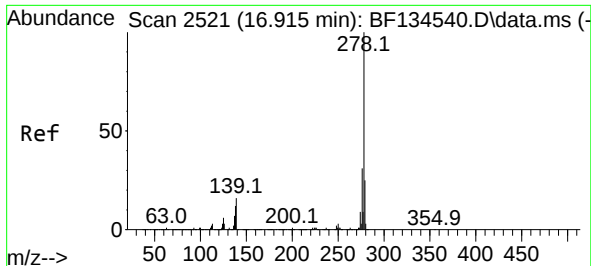
Delta R.T. -0.006 min

Lab File: BF134651.D

Acq: 07 Aug 2023 13:31

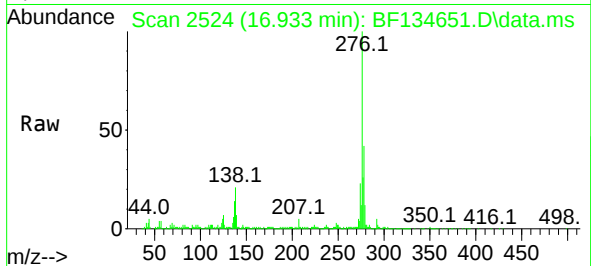
Tgt Ion:252 Resp: 616625
 Ion Ratio Lower Upper
 252 100
 253 22.9 17.0 25.4
 125 11.3 6.2 9.4#





#91
Dibenzo(a,h)anthracene
Concen: 3.314 ng m
RT: 16.933 min Scan# 2521
Delta R.T. -0.018 min
Lab File: BF134651.D
Acq: 07 Aug 2023 13:31

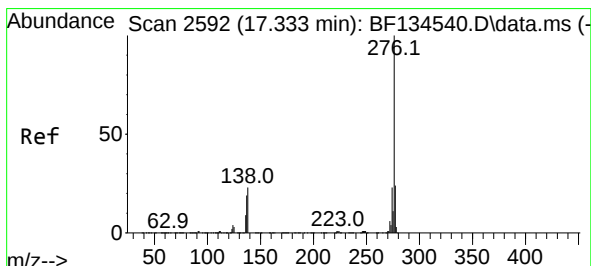
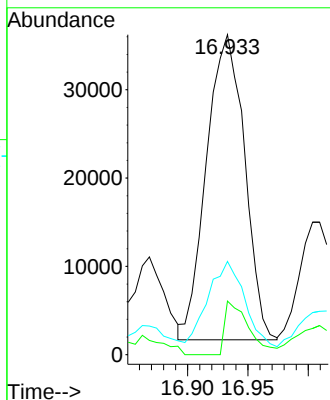
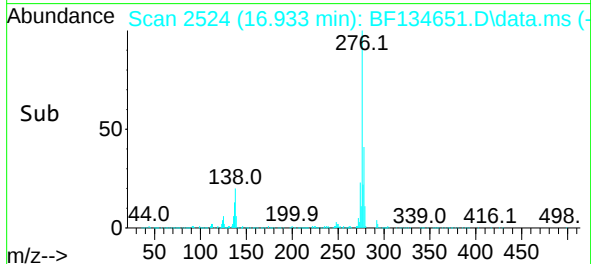
Instrument : BNA_F
ClientSampleId : BUILDING-B-19-(0-5)



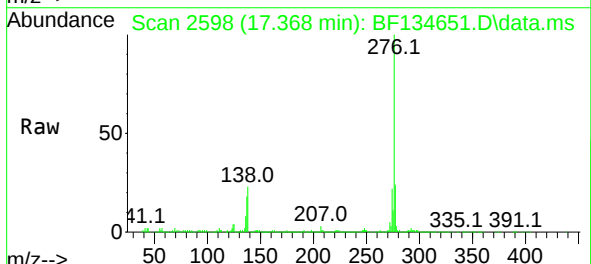
Tgt Ion:278 Resp: 7586
Ion Ratio Lower Upper
278 100
139 16.8 10.0 15.0
279 29.2 19.7 29.5

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



#92
Benzo(g,h,i)perylene
Concen: 11.779 ng
RT: 17.368 min Scan# 2598
Delta R.T. -0.006 min
Lab File: BF134651.D
Acq: 07 Aug 2023 13:31



Tgt Ion:276 Resp: 275043
Ion Ratio Lower Upper
276 100
277 23.6 19.0 28.6
138 23.0 12.2 18.2#

