

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080723\
 Data File : BF134656.D
 Acq On : 07 Aug 2023 16:14
 Operator : CG\JU
 Sample : 03775-03DL2 125X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BUILDING-A-8-(0-5)DL2

Quant Time: Aug 08 01:22:23 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	216110	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	825141	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	376276	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	580975	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	462440	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	456004	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	4329	0.304	ng	-0.01
7) Phenol-d6	6.422	99	5683	0.313	ng	-0.02
23) Nitrobenzene-d5	7.351	82	3460	0.262	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	523	0.136	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	7502	0.331	ng	-0.01
79) Terphenyl-d14	12.910	244	7610	0.290	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.104	128	2219462	53.520	ng	98
37) 2-Methylnaphthalene	8.792	142	831228	30.240	ng	99
38) 1-Methylnaphthalene	8.886	142	565933	22.141	ng	98
46) 1,1'-Biphenyl	9.251	154	193348	6.608	ng	97
49) Acenaphthylene	9.692	152	406000	11.781	ng	98
58) Fluorene	10.380	166	293783	12.686	ng	96
71) Phenanthrene	11.345	178	1124089	36.427	ng	99
72) Anthracene	11.392	178	274287	8.702	ng	99
75) Fluoranthene	12.533	202	375352	11.515	ng	96
78) Pyrene	12.763	202	651433	16.279	ng	97
81) Benzo(a)anthracene	13.957	228	271259m	8.203	ng	
83) Chrysene	13.992	228	232447	7.215	ng	98
88) Benzo(b)fluoranthene	15.004	252	156461m	5.626	ng	
90) Benzo(a)pyrene	15.368	252	186031	7.174	ng	# 95
92) Benzo(g,h,i)perylene	17.356	276	56944	2.576	ng	# 90

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

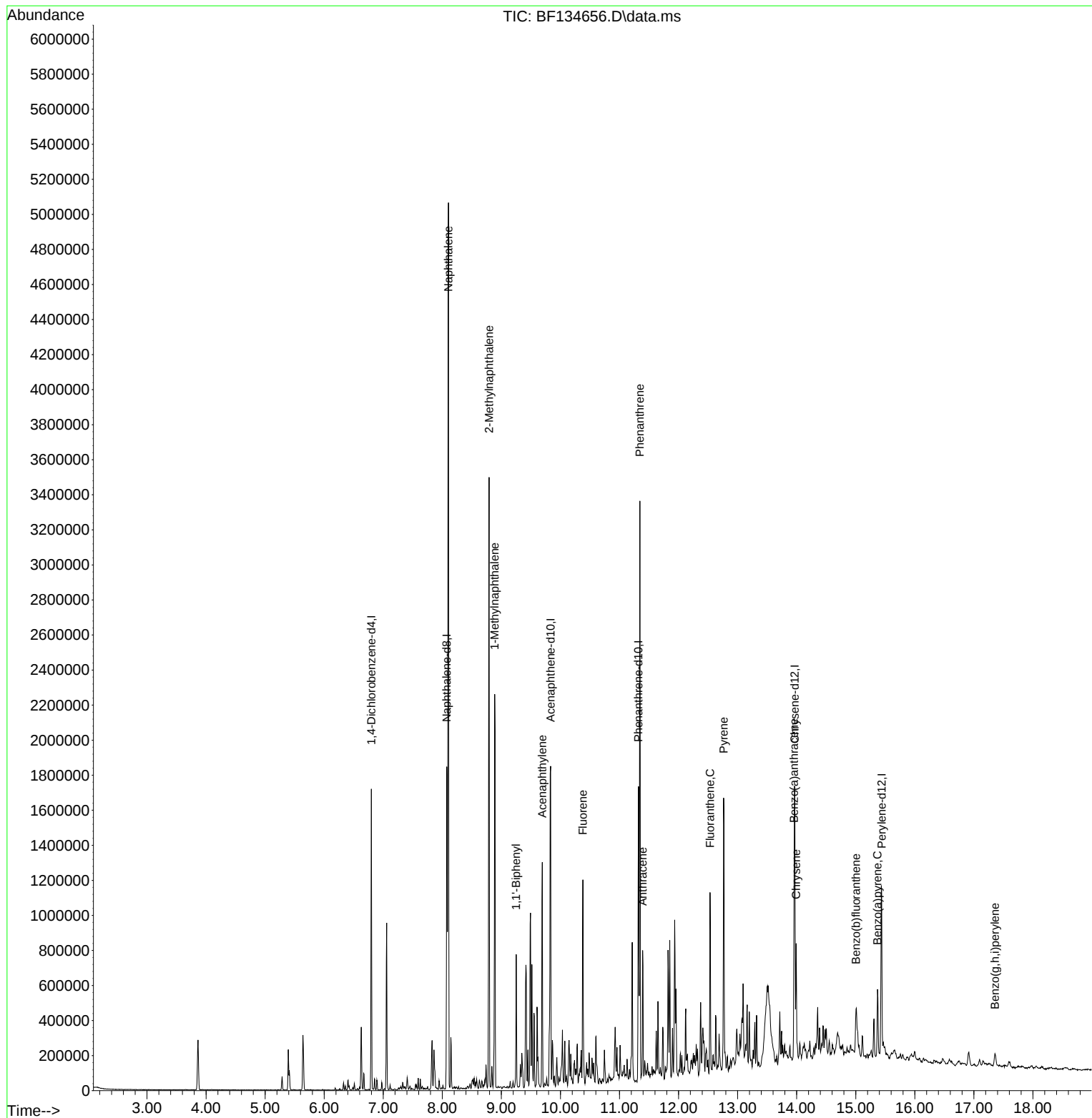
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080723\
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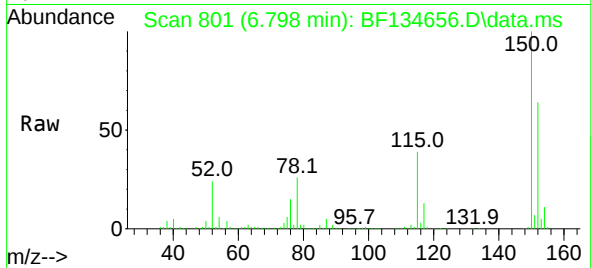
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134656.D
Acq: 07 Aug 2023 16:14

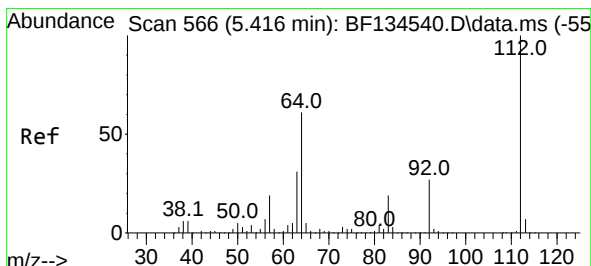
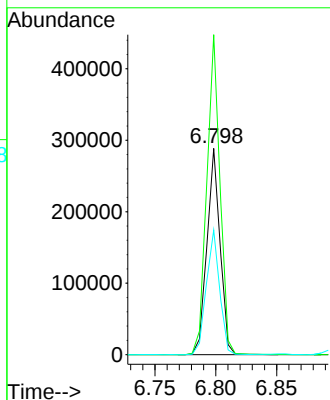
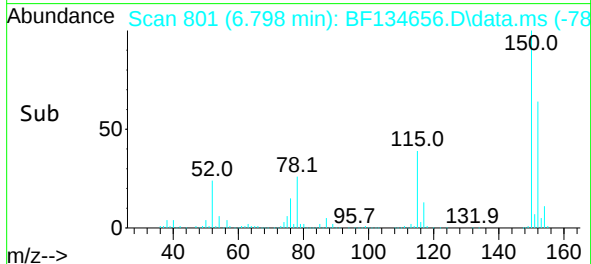
Instrument :
BNA_F
ClientSampleId :
BUILDING-A-8-(0-5)DL2



Tgt Ion:152 Resp: 216110
Ion Ratio Lower Upper
152 100
150 155.2 128.3 192.5
115 60.4 52.4 78.6

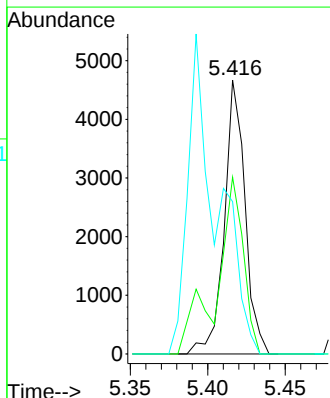
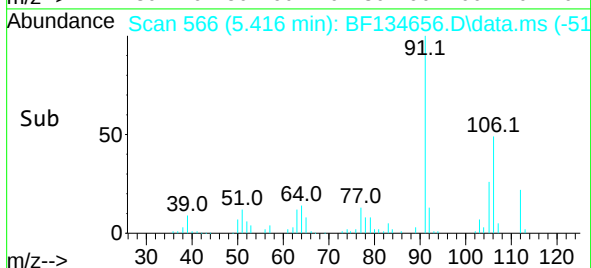
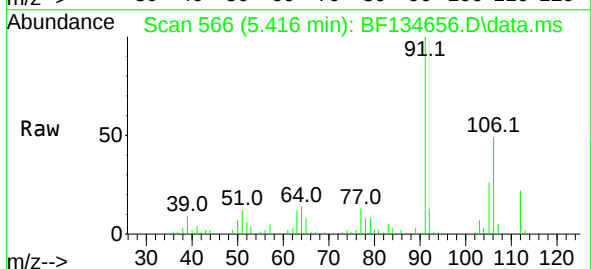
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#5
2-Fluorophenol
Concen: 0.304 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.012 min
Lab File: BF134656.D
Acq: 07 Aug 2023 16:14

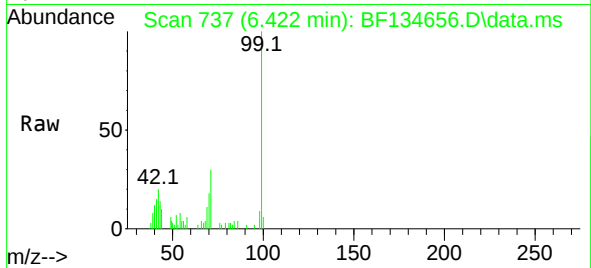
Tgt Ion:112 Resp: 4329
Ion Ratio Lower Upper
112 100
64 64.5 44.9 67.3
63 55.6 25.4 38.0#





#7
Phenol-d6
Concen: 0.313 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF134656.D
Acq: 07 Aug 2023 16:14

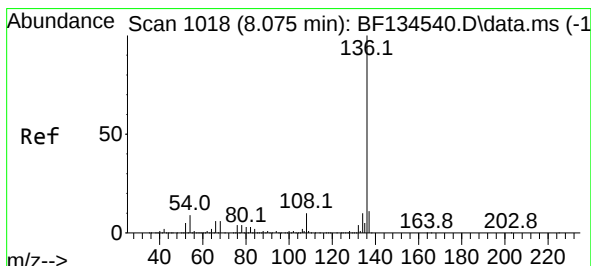
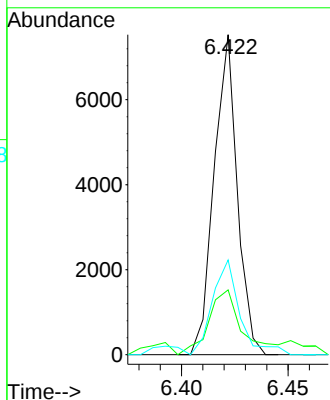
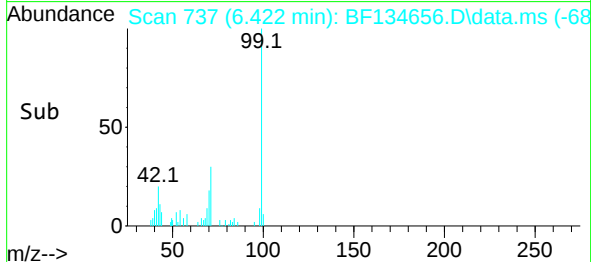
Instrument :
BNA_F
ClientSampleId :
BUILDING-A-8-(0-5)DL2



Tgt Ion: 99 Resp: 568
Ion Ratio Lower Upper
99 100
42 20.2 18.7 28.1
71 29.6 36.4 54.6

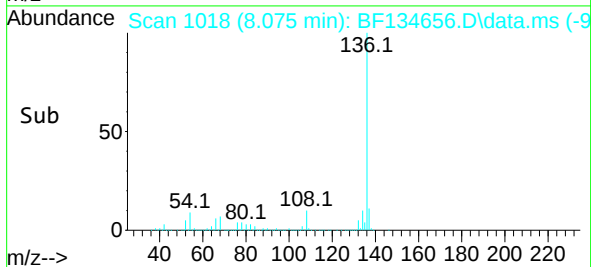
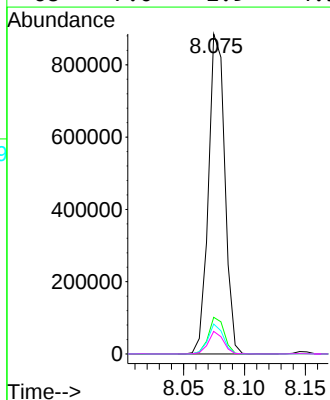
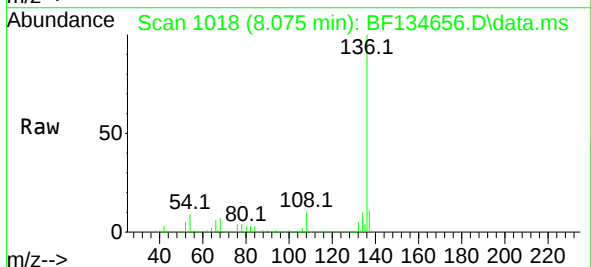
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Supervised By :mohammad ahmed 08/08/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134656.D
Acq: 07 Aug 2023 16:14

Tgt Ion:136 Resp: 825141
Ion Ratio Lower Upper
136 100
137 11.4 8.4 12.6
54 9.4 5.2 7.8#
68 7.0 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 0.262 ng

RT: 7.351 min Scan# 896

Delta R.T. -0.018 min

Lab File: BF134656.D

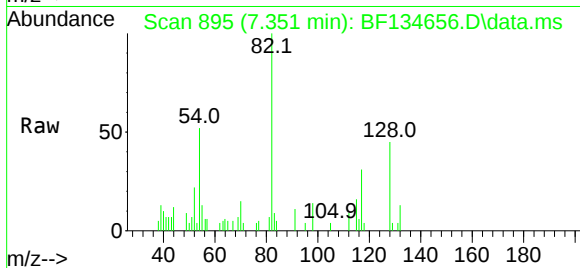
Acq: 07 Aug 2023 16:14

Instrument :

BNA_F

ClientSampleId :

BUILDING-A-8-(0-5)DL2



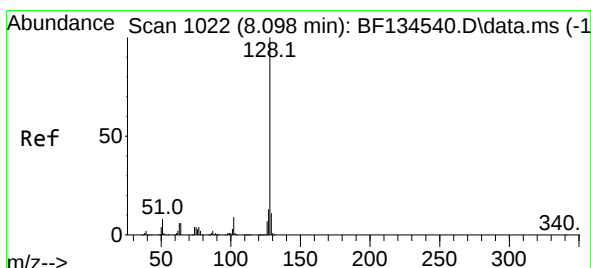
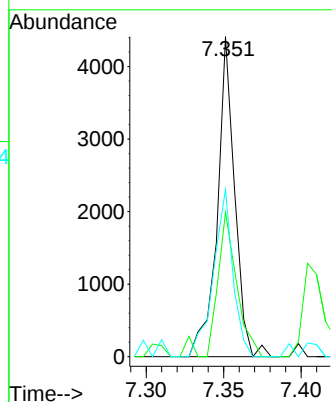
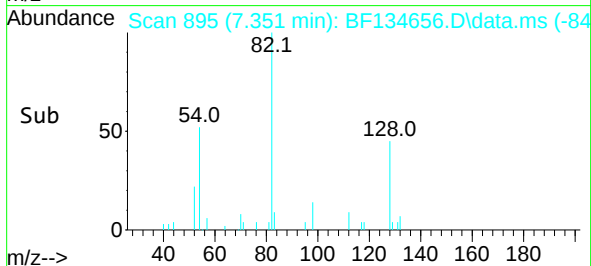
Tgt Ion: 82	Resp: 3460
Ion Ratio	Lower Upper
82	100
128	45.1 34.3 51.5
54	52.3 43.8 65.6

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#31

Naphthalene

Concen: 53.520 ng

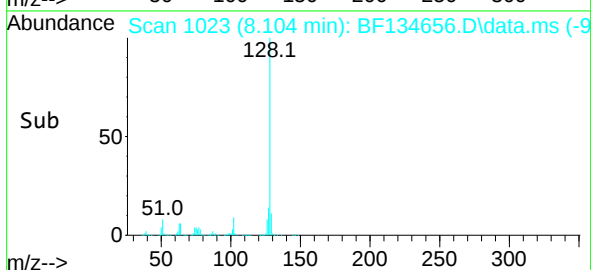
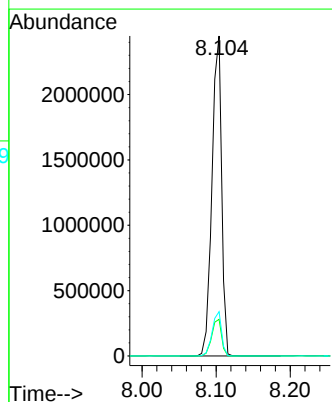
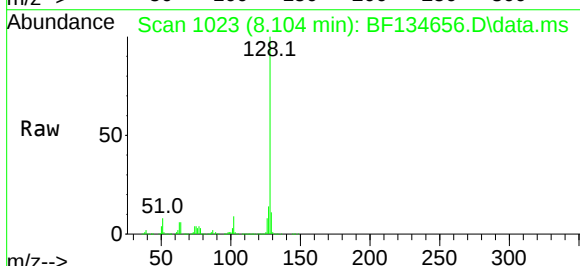
RT: 8.104 min Scan# 1023

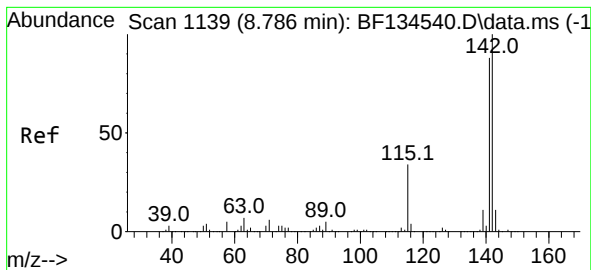
Delta R.T. 0.000 min

Lab File: BF134656.D

Acq: 07 Aug 2023 16:14

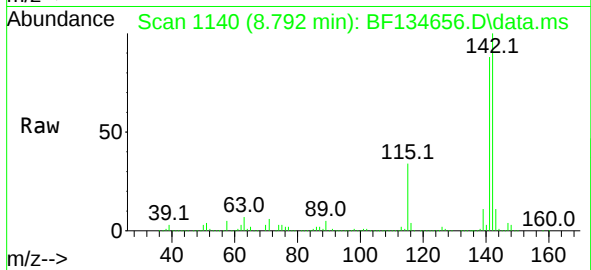
Tgt Ion:128	Resp: 2219462
Ion Ratio	Lower Upper
128	100
129	11.5 8.4 12.6
127	13.8 10.7 16.1





#37
2-Methylnaphthalene
Concen: 30.240 ng
RT: 8.792 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BF134656.D
Acq: 07 Aug 2023 16:14

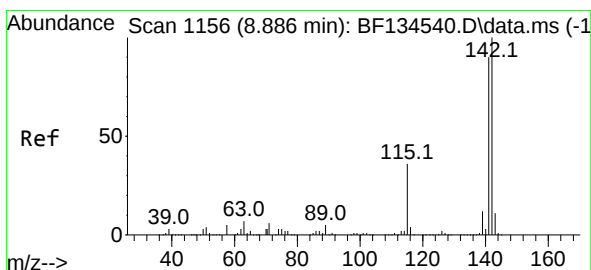
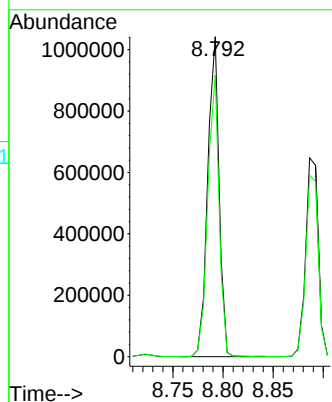
Instrument :
BNA_F
ClientSampleId :
BUILDING-A-8-(0-5)DL2



Tgt Ion:142 Resp: 831228
Ion Ratio Lower Upper
142 100
141 88.0 70.8 106.2

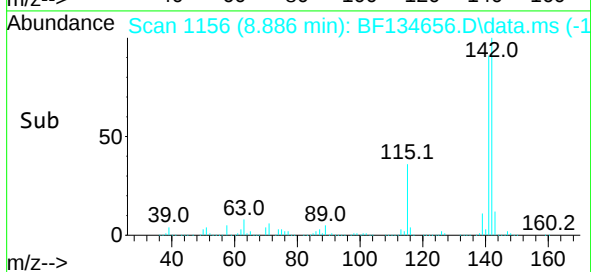
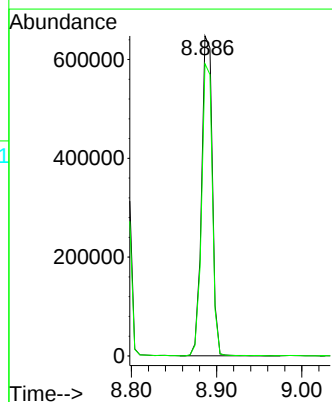
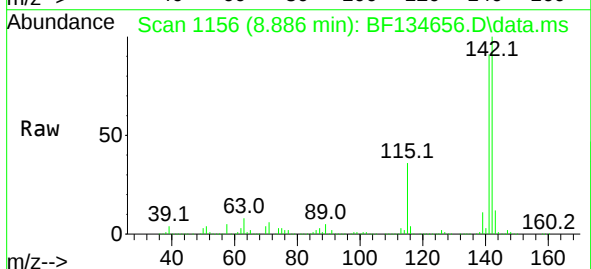
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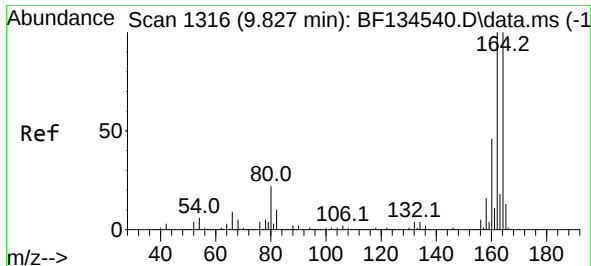
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#38
1-Methylnaphthalene
Concen: 22.141 ng
RT: 8.886 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF134656.D
Acq: 07 Aug 2023 16:14

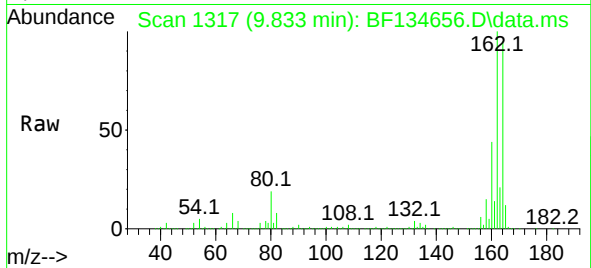
Tgt Ion:142 Resp: 565933
Ion Ratio Lower Upper
142 100
141 91.3 71.4 107.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134656.D
Acq: 07 Aug 2023 16:14

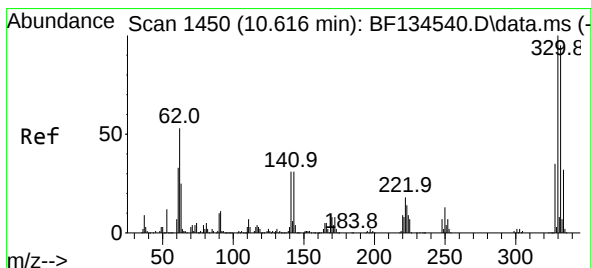
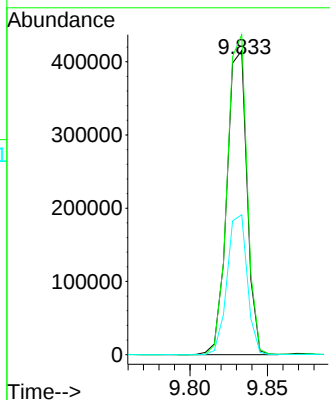
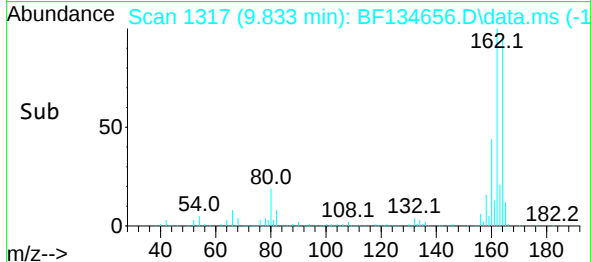
Instrument :
BNA_F
ClientSampleId :
BUILDING-A-8-(0-5)DL2



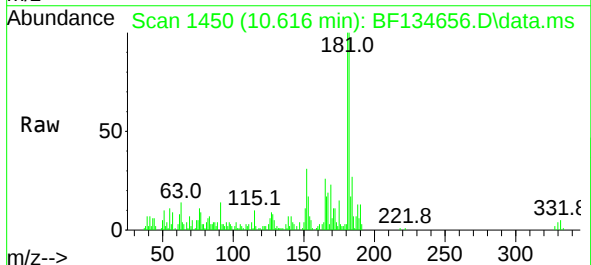
Tgt Ion:164 Resp: 376270
Ion Ratio Lower Upper
164 100
162 105.2 82.6 123.8
160 46.0 37.2 55.8

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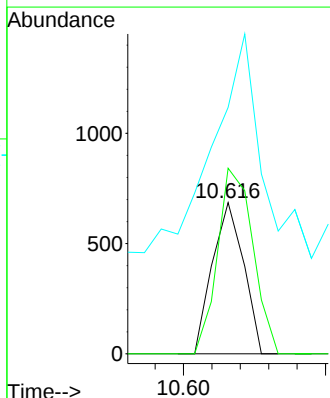
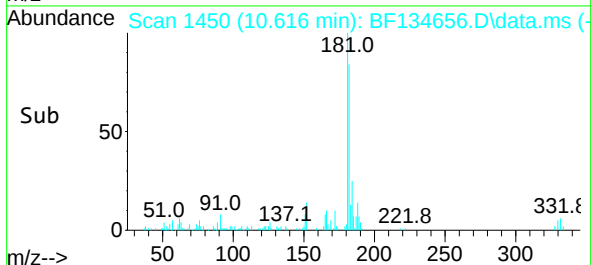
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023

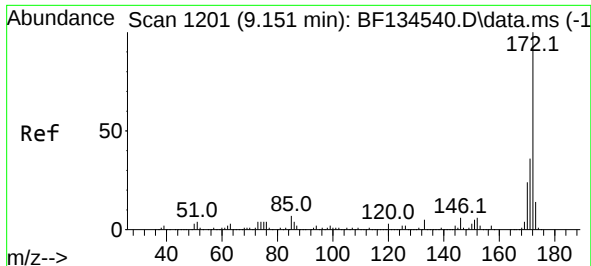


#42
2,4,6-Tribromophenol
Concen: 0.136 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF134656.D
Acq: 07 Aug 2023 16:14



Tgt Ion:330 Resp: 523
Ion Ratio Lower Upper
330 100
332 139.4 78.8 118.2#
141 234.6 25.4 38.2#





#45

2-Fluorobiphenyl

Concen: 0.331 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF134656.D

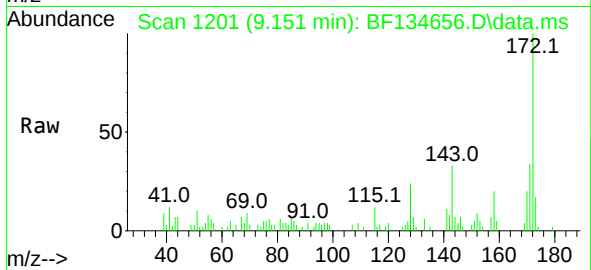
Acq: 07 Aug 2023 16:14

Instrument :

BNA_F

ClientSampleId :

BUILDING-A-8-(0-5)DL2



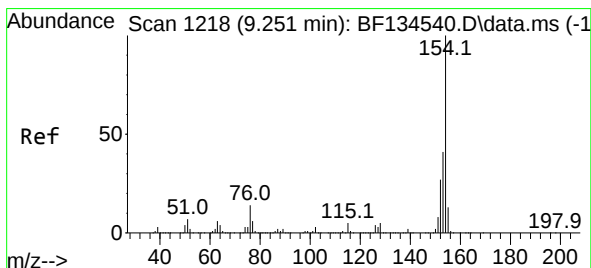
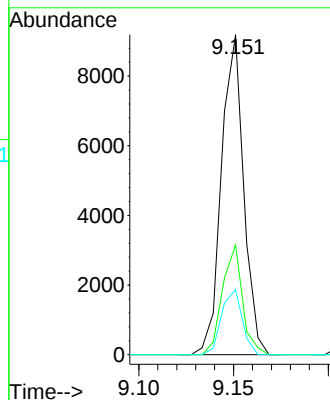
Tgt Ion:	172	Resp:	750
Ion Ratio	Lower	Upper	
172	100		
171	34.3	28.8	43.2
170	20.3	18.7	28.1

Manual Integrations

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Supervised By :mohammad ahmed 08/08/2023



#46

1,1'-Biphenyl

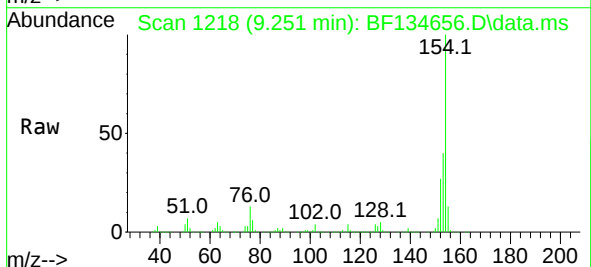
Concen: 6.608 ng

RT: 9.251 min Scan# 1218

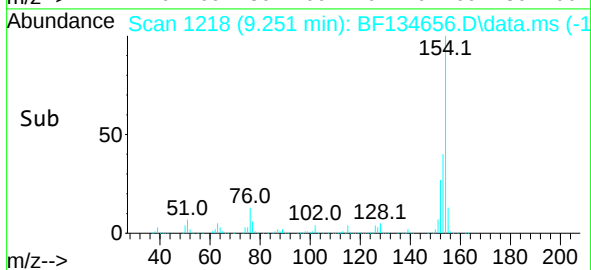
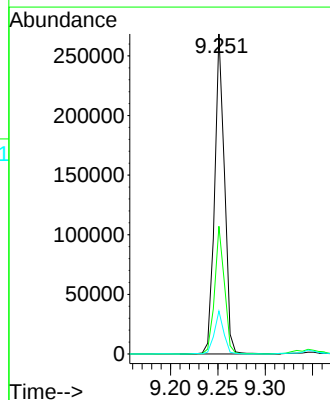
Delta R.T. -0.012 min

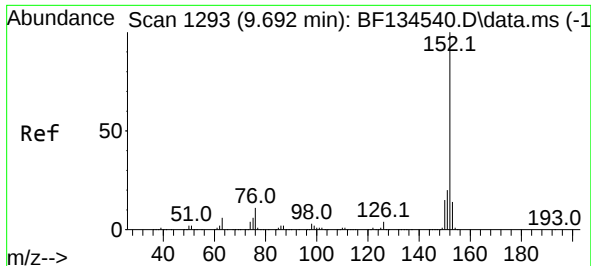
Lab File: BF134656.D

Acq: 07 Aug 2023 16:14



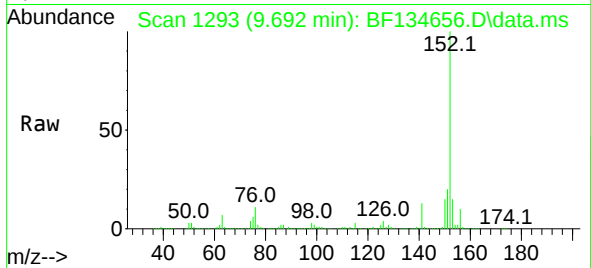
Tgt Ion:	154	Resp:	193348
Ion Ratio	Lower	Upper	
154	100		
153	39.9	20.8	60.8
76	13.4	0.0	30.2





#49
Acenaphthylene
Concen: 11.781 ng
RT: 9.692 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BF134656.D
Acq: 07 Aug 2023 16:14

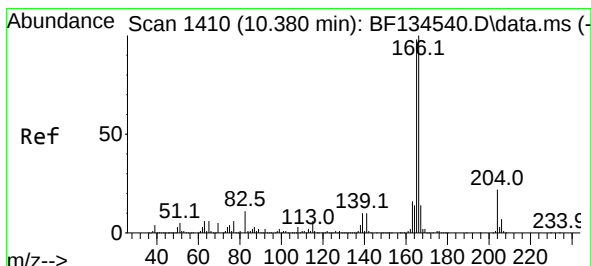
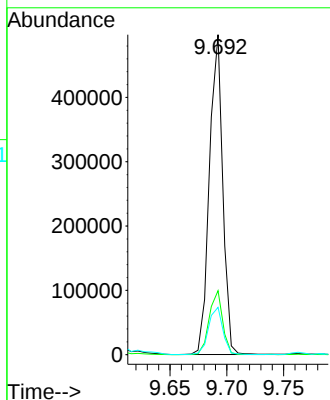
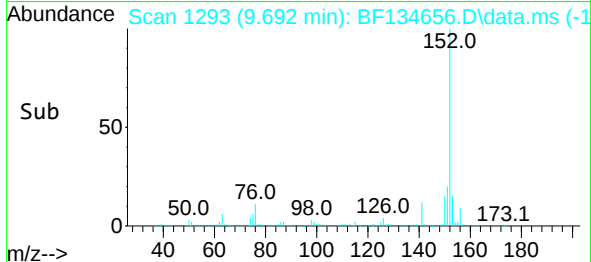
Instrument :
BNA_F
ClientSampleId :
BUILDING-A-8-(0-5)DL2



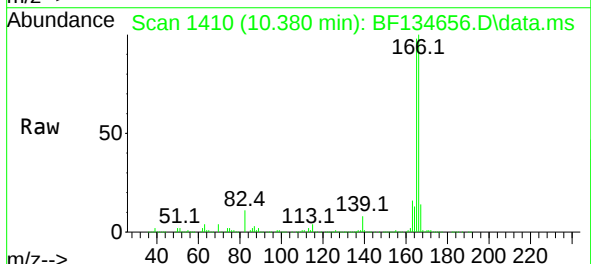
Tgt Ion:152 Resp: 406000
Ion Ratio Lower Upper
152 100
151 20.0 16.4 24.6
153 14.8 10.9 16.3

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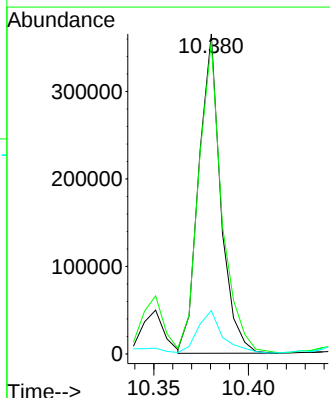
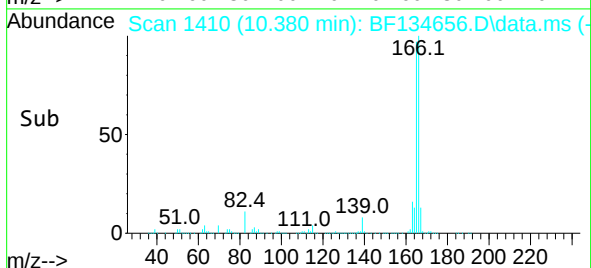
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023

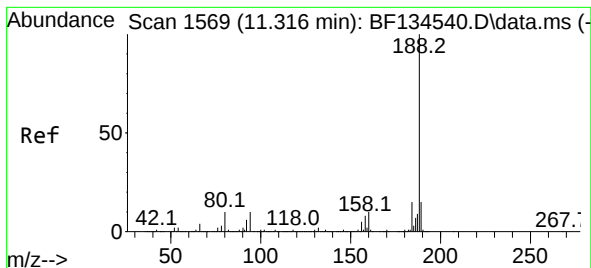


#58
Fluorene
Concen: 12.686 ng
RT: 10.380 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF134656.D
Acq: 07 Aug 2023 16:14



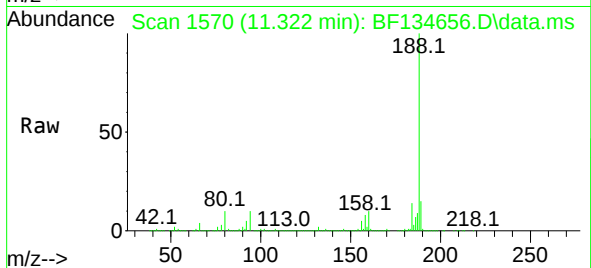
Tgt Ion:166 Resp: 293783
Ion Ratio Lower Upper
166 100
165 97.7 74.5 111.7
167 13.5 10.6 16.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BF134656.D
Acq: 07 Aug 2023 16:14

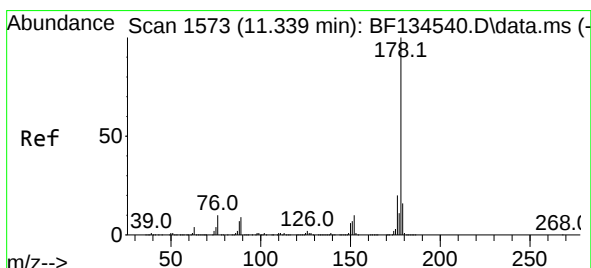
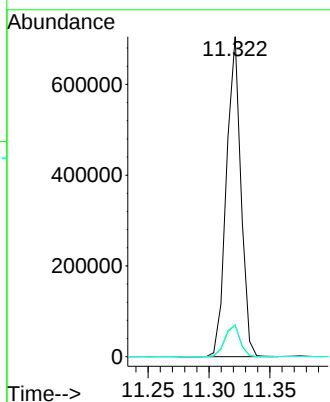
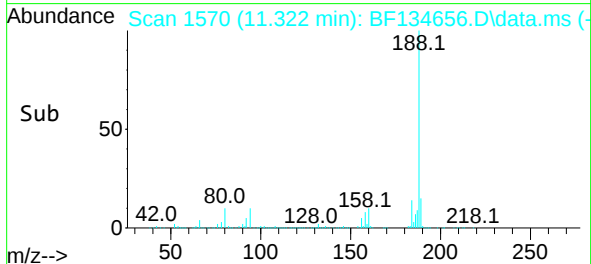
Instrument :
BNA_F
ClientSampleId :
BUILDING-A-8-(0-5)DL2



Tgt Ion:188 Resp: 580979
Ion Ratio Lower Upper
188 100
94 9.9 5.1 7.7
80 9.9 6.6 9.8

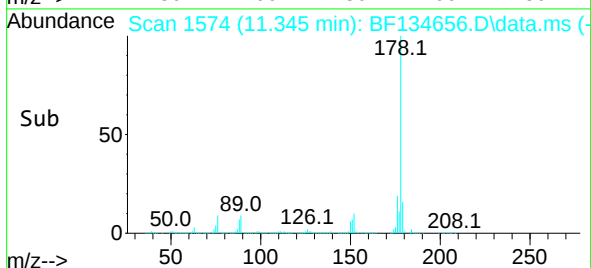
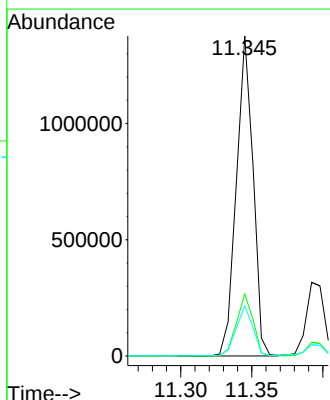
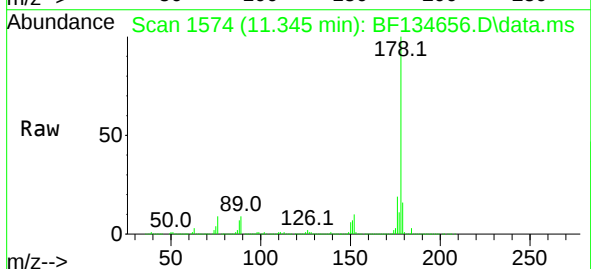
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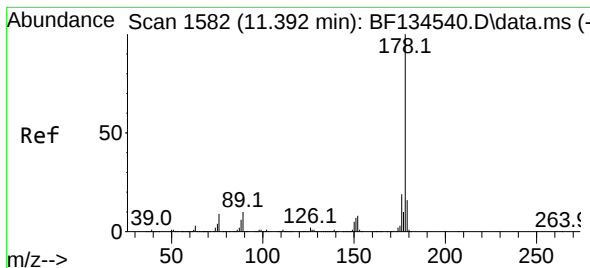
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#71
Phenanthrene
Concen: 36.427 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF134656.D
Acq: 07 Aug 2023 16:14

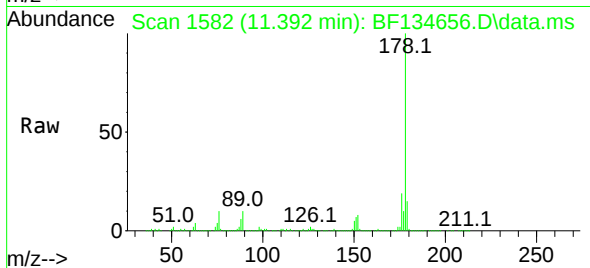
Tgt Ion:178 Resp: 1124089
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.6
179 15.6 12.7 19.1





#72
 Anthracene
 Concen: 8.702 ng
 RT: 11.392 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF134656.D
 Acq: 07 Aug 2023 16:14

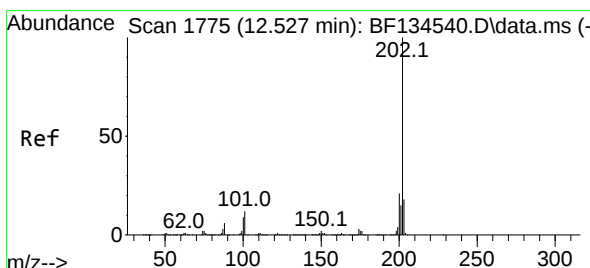
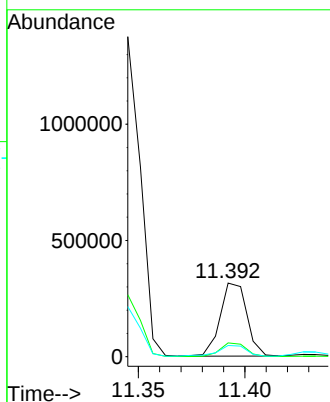
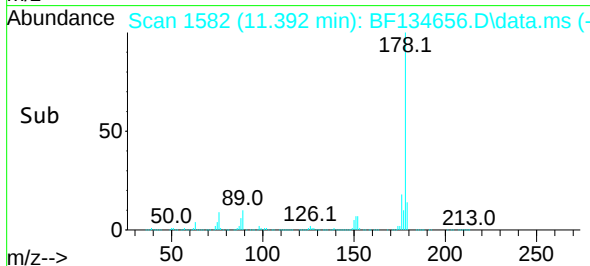
Instrument :
 BNA_F
 ClientSampleId :
 BUILDING-A-8-(0-5)DL2



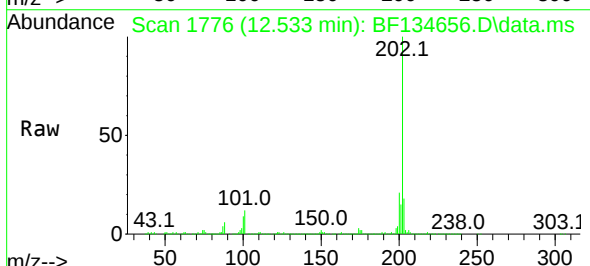
Tgt Ion:178 Resp: 27428
 Ion Ratio Lower Upper
 178 100
 176 18.8 14.6 21.8
 179 15.2 12.3 18.5

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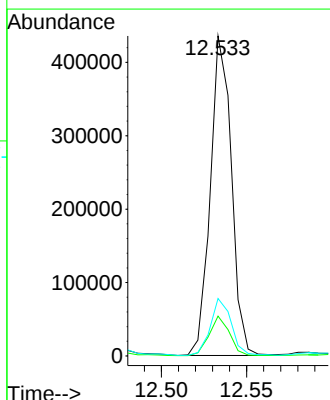
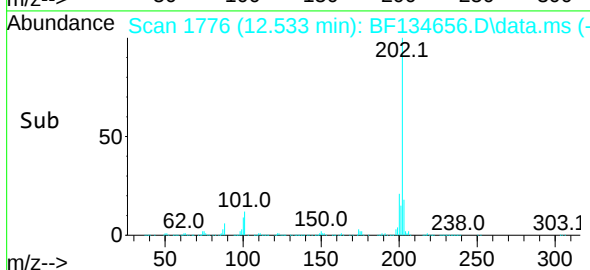
Reviewed By :Yogesh Patel 08/08/2023
 Supervised By :mohammad ahmed 08/08/2023

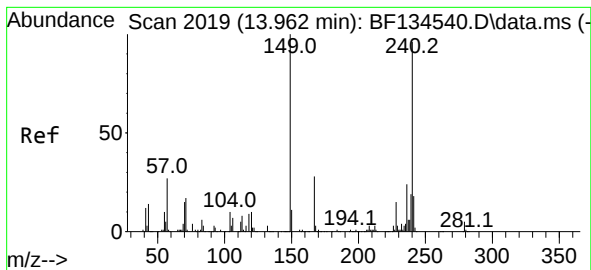


#75
 Fluoranthene
 Concen: 11.515 ng
 RT: 12.533 min Scan# 1776
 Delta R.T. -0.006 min
 Lab File: BF134656.D
 Acq: 07 Aug 2023 16:14



Tgt Ion:202 Resp: 375352
 Ion Ratio Lower Upper
 202 100
 101 12.5 0.0 28.5
 203 17.9 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF134656.D

Acq: 07 Aug 2023 16:14

Instrument :

BNA_F

ClientSampleId :

BUILDING-A-8-(0-5)DL2

Tgt Ion:240 Resp: 462440

Ion Ratio Lower Upper

240 100

120 10.8 6.6 10.0

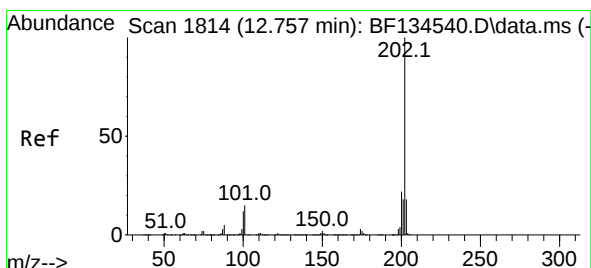
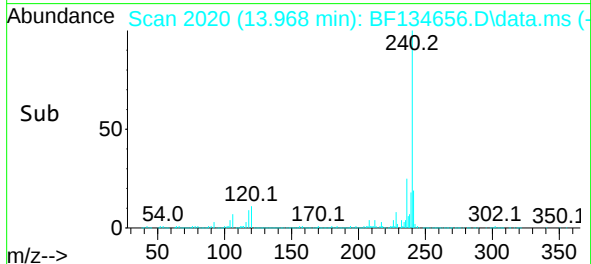
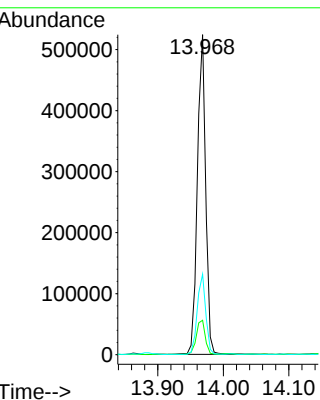
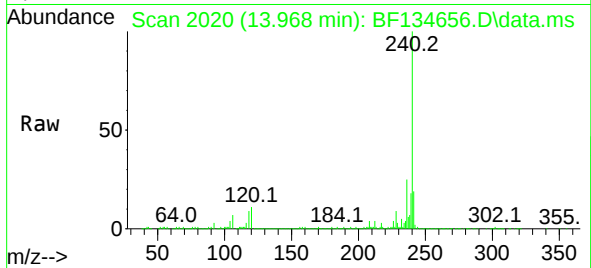
236 25.2 20.2 30.2

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Reviewed By :Yogesh Patel 08/08/2023

Supervised By :mohammad ahmed 08/08/2023



#78

Pyrene

Concen: 16.279 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF134656.D

Acq: 07 Aug 2023 16:14

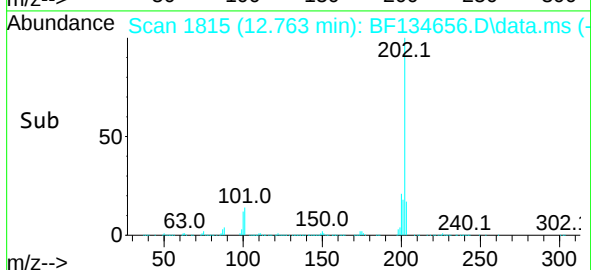
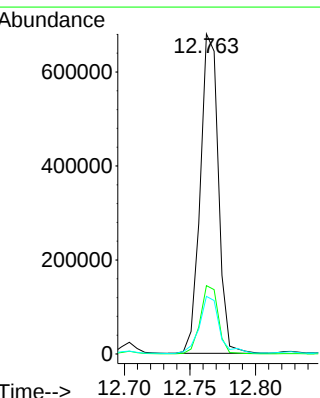
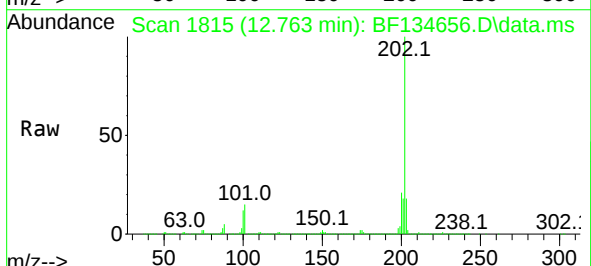
Tgt Ion:202 Resp: 651433

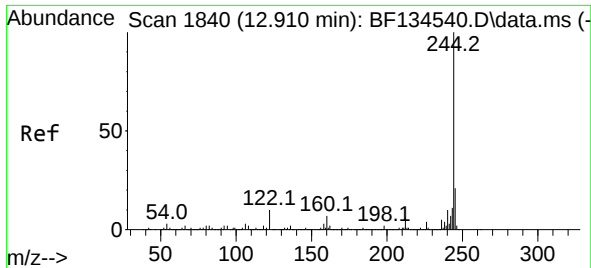
Ion Ratio Lower Upper

202 100

200 21.4 15.8 23.8

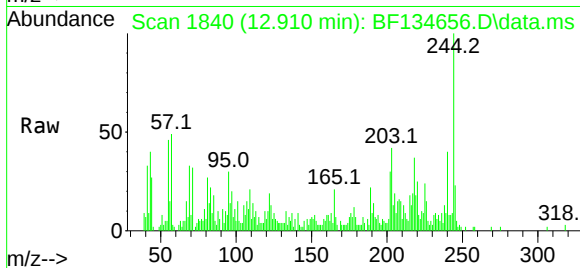
203 18.0 13.5 20.3





#79
 Terphenyl-d14
 Concen: 0.290 ng
 RT: 12.910 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF134656.D
 Acq: 07 Aug 2023 16:14

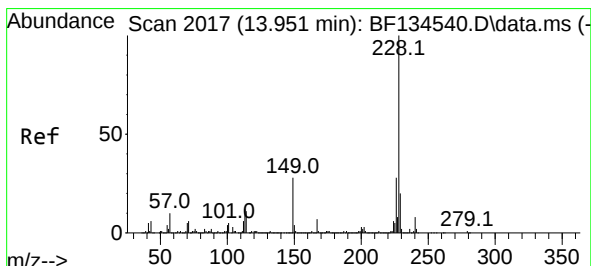
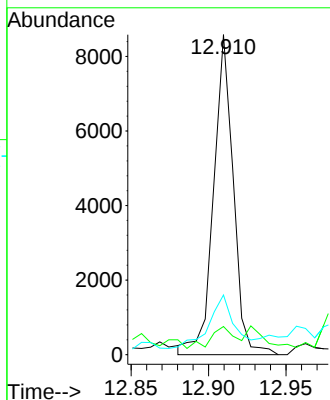
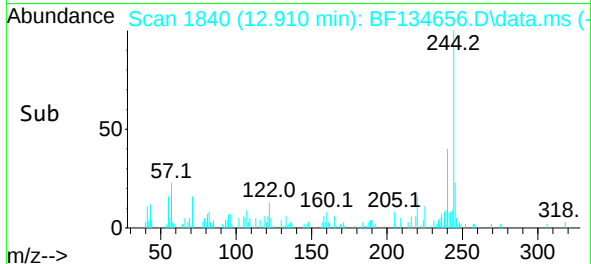
Instrument :
 BNA_F
 ClientSampleId :
 BUILDING-A-8-(0-5)DL2



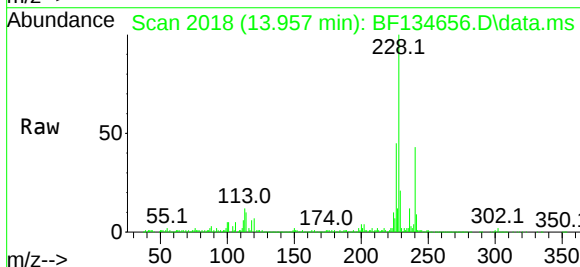
Tgt Ion:244 Resp: 7610
 Ion Ratio Lower Upper
 244 100
 212 8.8 5.6 8.4
 122 18.6 8.0 12.0

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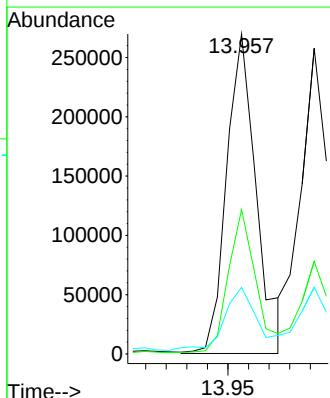
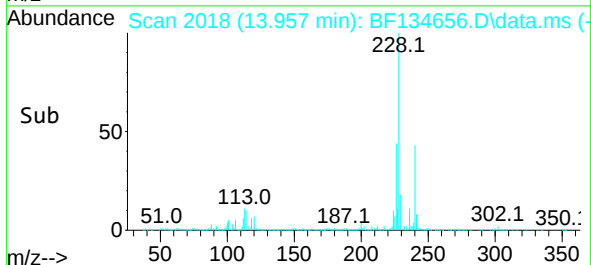
Reviewed By :Yogesh Patel 08/08/2023
 Supervised By :mohammad ahmed 08/08/2023

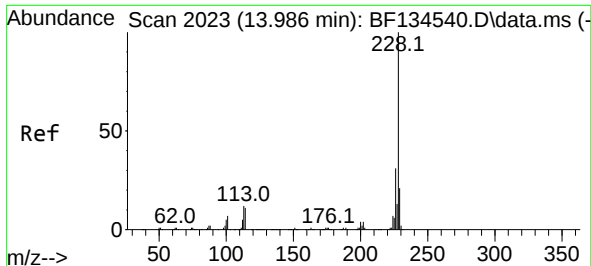


#81
 Benzo(a)anthracene
 Concen: 8.203 ng m
 RT: 13.957 min Scan# 2018
 Delta R.T. -0.006 min
 Lab File: BF134656.D
 Acq: 07 Aug 2023 16:14



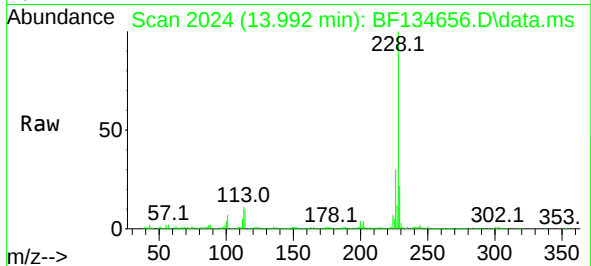
Tgt Ion:228 Resp: 271259
 Ion Ratio Lower Upper
 228 100
 226 45.2 22.3 33.5
 229 20.8 15.8 23.6





#83
Chrysene
Concen: 7.215 ng
RT: 13.992 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF134656.D
Acq: 07 Aug 2023 16:14

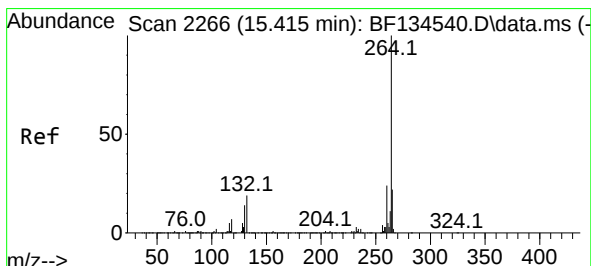
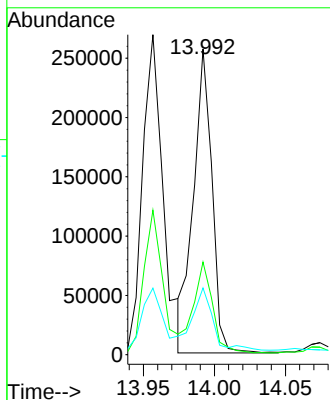
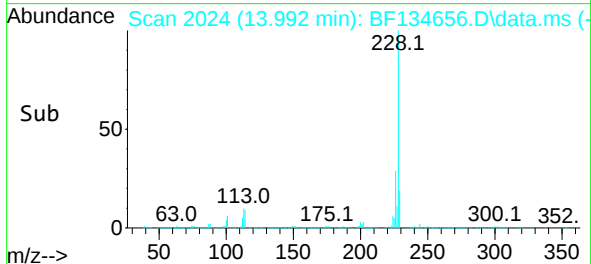
Instrument :
BNA_F
ClientSampleId :
BUILDING-A-8-(0-5)DL2



Tgt Ion:228 Resp: 23244
Ion Ratio Lower Upper
228 100
226 30.3 24.5 36.7
229 21.8 15.8 23.8

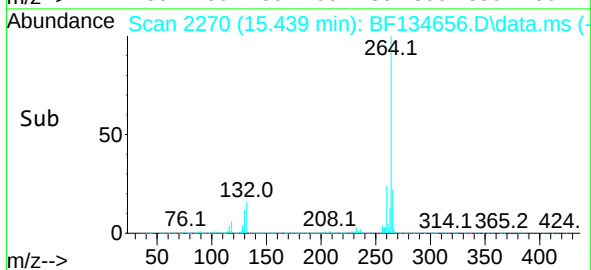
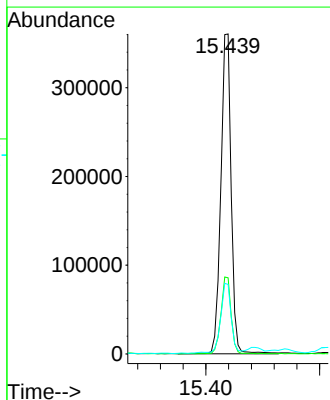
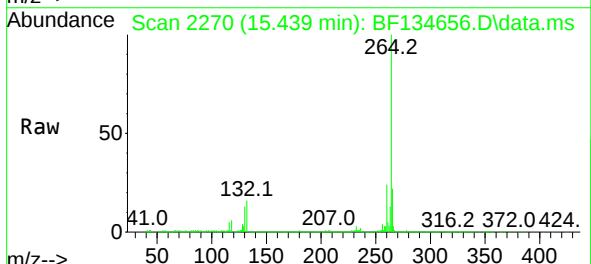
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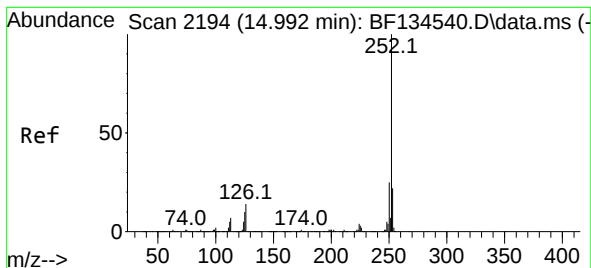
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF134656.D
Acq: 07 Aug 2023 16:14

Tgt Ion:264 Resp: 456004
Ion Ratio Lower Upper
264 100
260 23.8 18.4 27.6
265 21.8 15.8 23.8





#88

Benzo(b)fluoranthene

Concen: 5.626 ng m

RT: 15.004 min Scan# 2194

Delta R.T. -0.006 min

Lab File: BF134656.D

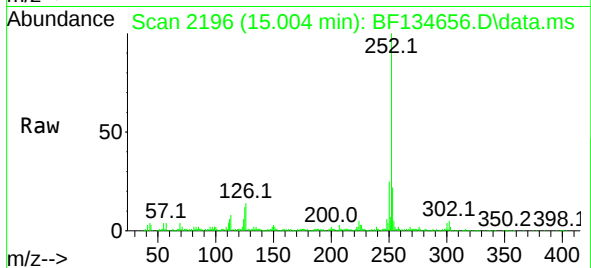
Acq: 07 Aug 2023 16:14

Instrument :

BNA_F

ClientSampleId :

BUILDING-A-8-(0-5)DL2



Tgt Ion:252 Resp: 15646

Ion Ratio Lower Upper

252 100

253 22.0 17.3 25.9

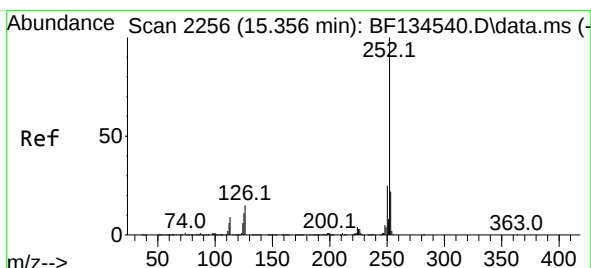
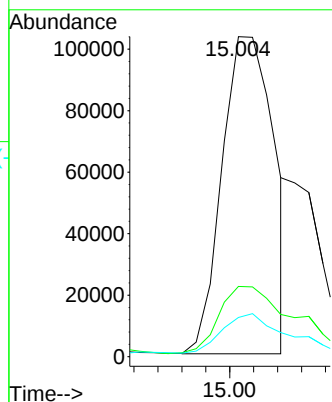
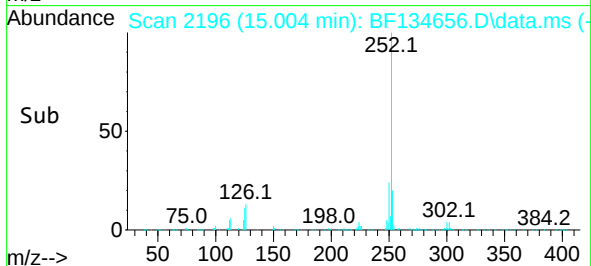
125 12.3 6.0 9.0

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: 7.174 ng

RT: 15.368 min Scan# 2258

Delta R.T. -0.012 min

Lab File: BF134656.D

Acq: 07 Aug 2023 16:14

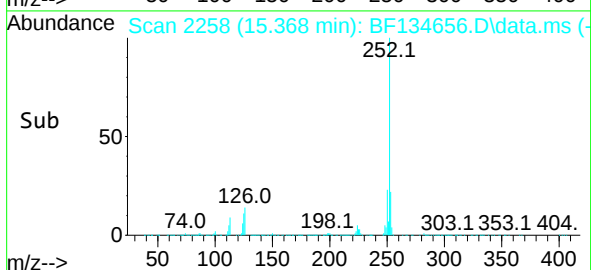
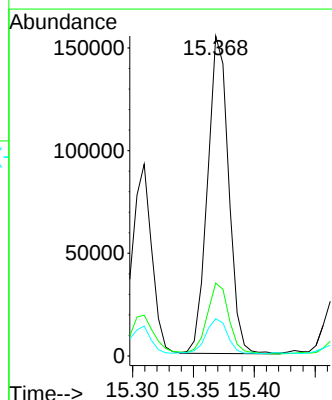
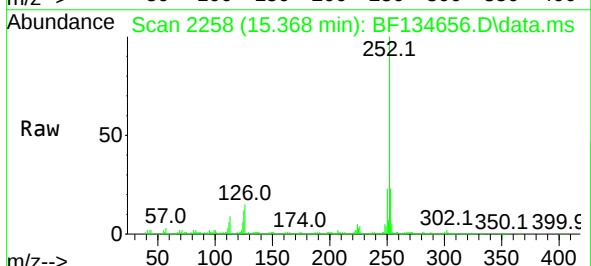
Tgt Ion:252 Resp: 186031

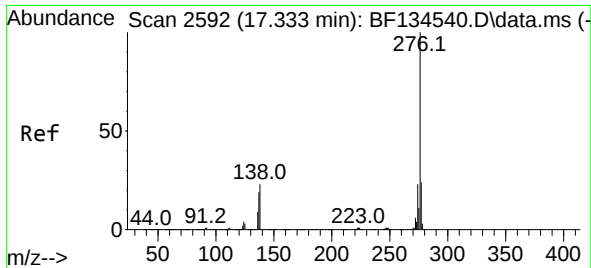
Ion Ratio Lower Upper

252 100

253 22.8 17.0 25.4

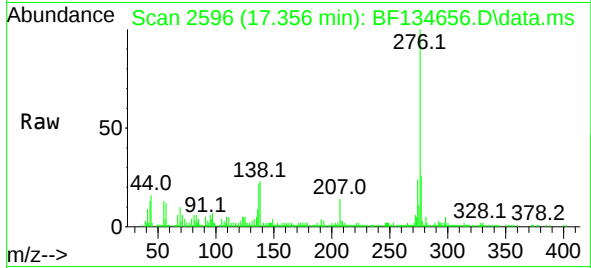
125 11.7 6.2 9.4





#92
 Benzo(g,h,i)perylene
 Concen: 2.576 ng
 RT: 17.356 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BF134656.D
 Acq: 07 Aug 2023 16:14

Instrument :
 BNA_F
 ClientSampleId :
 BUILDING-A-8-(0-5)DL2



Tgt Ion:276 Resp: 56944
 Ion Ratio Lower Upper
 276 100
 277 26.0 19.0 28.6
 138 22.9 12.2 18.2

Manual Integrations
 APPROVED

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

