

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080723\
 Data File : BF134657.D
 Acq On : 07 Aug 2023 16:48
 Operator : CG\JU
 Sample : 03775-04DL2 125X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BUILDING-A-6-(5-10)DL2

Manual Integrations
 APPROVED

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

Quant Time: Aug 08 01:22:42 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	6.798	152	214634	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	830586	20.000	ng	# 0.00
39) Acenaphthene-d10	9.834	164	394133	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	615155	20.000	ng	# 0.00
76) Chrysene-d12	13.969	240	466111	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	461832	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	10744	0.761	ng	-0.01
7) Phenol-d6	6.422	99	13794	0.764	ng	-0.02
23) Nitrobenzene-d5	7.351	82	6842	0.515	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	1833	0.456	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	15435	0.651	ng	-0.01
79) Terphenyl-d14	12.910	244	13808	0.522	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.104	128	2585126	61.929	ng	98
37) 2-Methylnaphthalene	8.792	142	696256	25.163	ng	100
38) 1-Methylnaphthalene	8.887	142	469701	18.255	ng	98
46) 1,1'-Biphenyl	9.251	154	164590	5.370	ng	97
49) Acenaphthylene	9.692	152	281984	7.811	ng	98
52) Acenaphthene	9.863	154	136289	5.826	ng	100
55) Dibenzofuran	10.034	168	128544	3.860	ng	# 93
58) Fluorene	10.381	166	336075	13.855	ng	96
71) Phenanthrene	11.345	178	1470713	45.011	ng	100
72) Anthracene	11.398	178	431511	12.929	ng	100
73) Carbazole	11.551	167	107018	3.591	ng	98
75) Fluoranthene	12.539	202	927628	26.876	ng	98
78) Pyrene	12.769	202	970013	24.050	ng	98
81) Benzo(a)anthracene	13.957	228	508046	15.243	ng	94
83) Chrysene	13.992	228	406192	12.509	ng	98
87) Indeno(1,2,3-cd)pyrene	16.915	276	128415	4.728	ng	# 95
88) Benzo(b)fluoranthene	15.010	252	450022m	15.977	ng	
89) Benzo(k)fluoranthene	15.033	252	121835m	4.342	ng	
90) Benzo(a)pyrene	15.374	252	339125	12.913	ng	# 97
92) Benzo(g,h,i)perylene	17.362	276	116912	5.221	ng	# 91

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

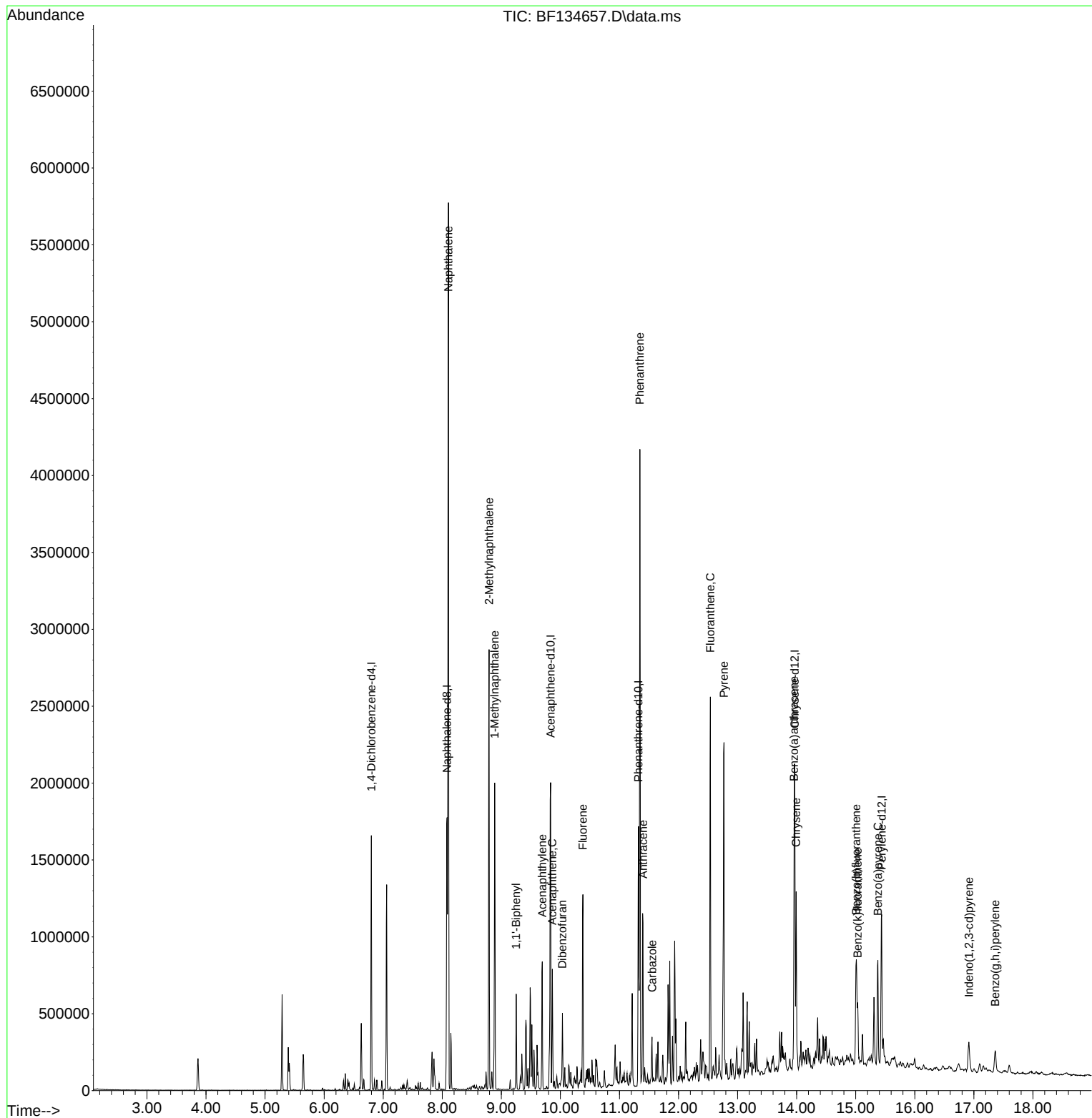
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080723\
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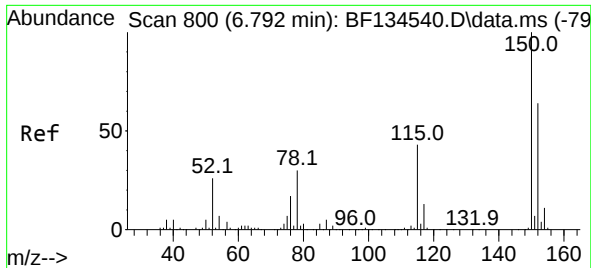
Instrument :
BNA_F
ClientSampleId :
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Quant Time: Aug 08 01:22:42 2023
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QLast Update : Fri Aug 04 09:29:15 2023
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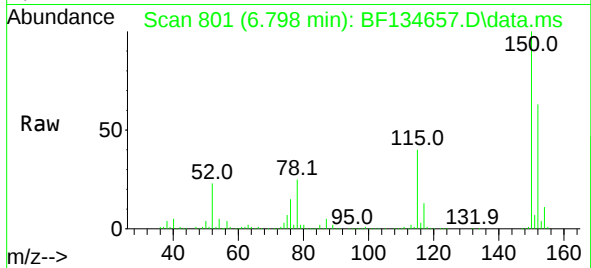
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134657.D
Acq: 07 Aug 2023 16:48

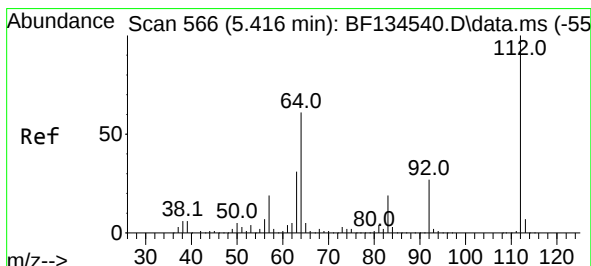
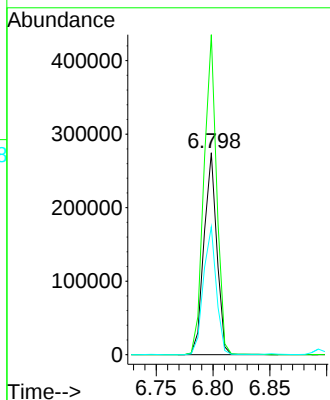
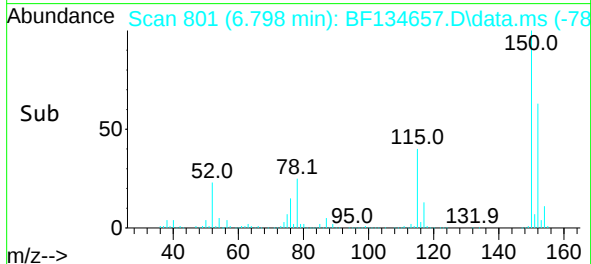
Instrument :
BNA_F
ClientSampleId :
BUILDING-A-6-(5-10)DL2



Tgt Ion:152 Resp: 214634
Ion Ratio Lower Upper
152 100
150 158.5 128.3 192.5
115 63.3 52.4 78.6

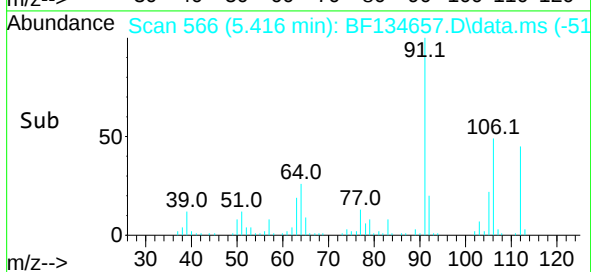
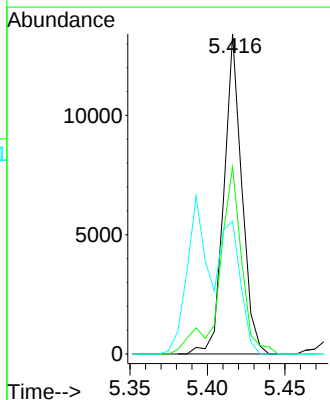
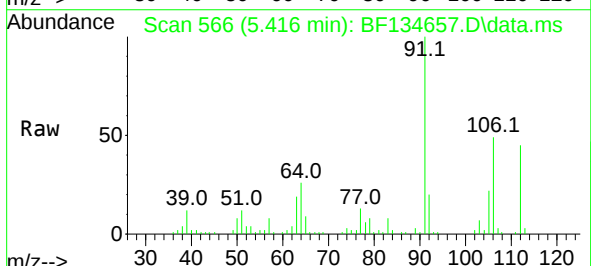
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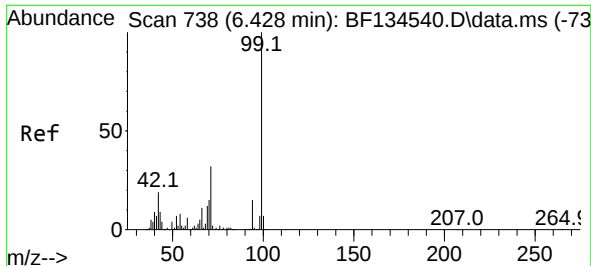
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#5
2-Fluorophenol
Concen: 0.761 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.012 min
Lab File: BF134657.D
Acq: 07 Aug 2023 16:48

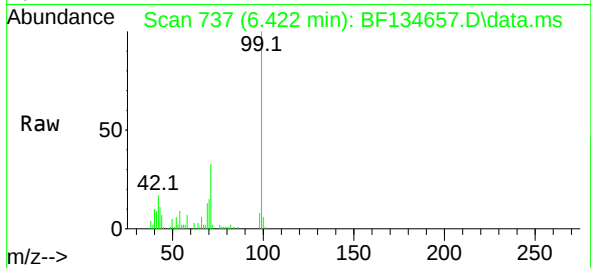
Tgt Ion:112 Resp: 10744
Ion Ratio Lower Upper
112 100
64 58.5 44.9 67.3
63 41.5 25.4 38.0#





#7
Phenol-d6
Concen: 0.764 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF134657.D
Acq: 07 Aug 2023 16:48

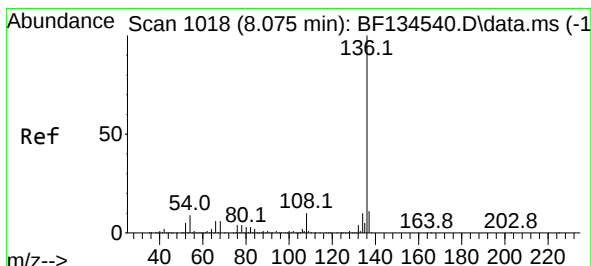
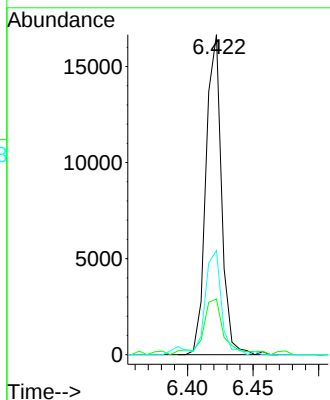
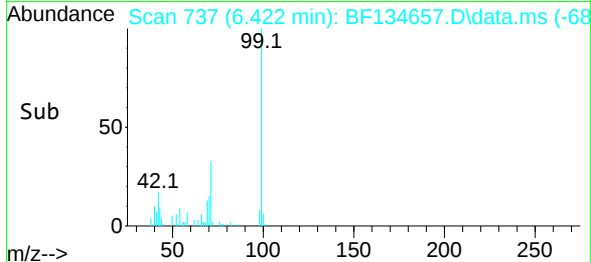
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 99 Resp: 13794
Ion Ratio Lower Upper
99 100
42 17.4 18.7 28.1
71 32.6 36.4 54.6

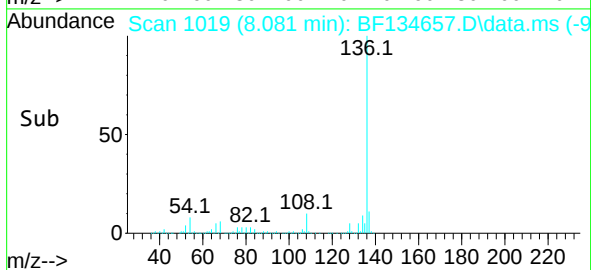
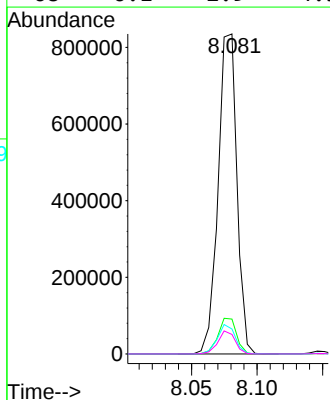
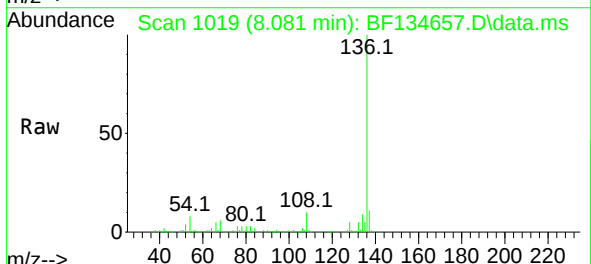
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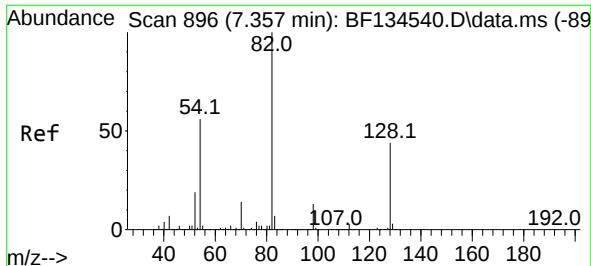
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF134657.D
Acq: 07 Aug 2023 16:48

Tgt Ion:136 Resp: 830586
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 7.8 5.2 7.8
68 6.1 2.9 4.3





#23

Nitrobenzene-d5

Concen: 0.515 ng

RT: 7.351 min Scan# 896

Delta R.T. -0.017 min

Lab File: BF134657.D

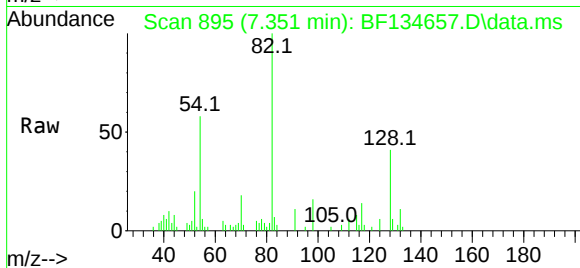
Acq: 07 Aug 2023 16:48

Instrument :

BNA_F

ClientSampleId :

BUILDING-A-6-(5-10)DL2

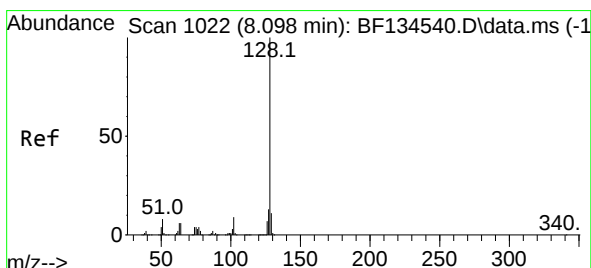
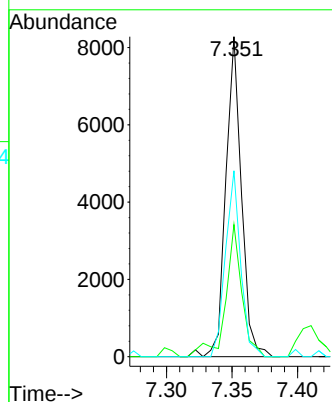
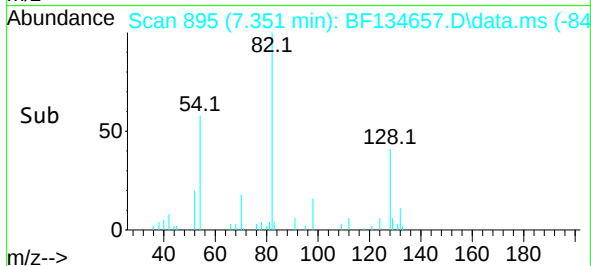


Tgt Ion:	82	Resp:	684
Ion	Ratio	Lower	Upper
82	100		
128	41.3	34.3	51.5
54	58.1	43.8	65.6

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Reviewed By :Yogesh Patel 08/08/2023

Supervised By :mohammad ahmed 08/08/2023



#31

Naphthalene

Concen: 61.929 ng

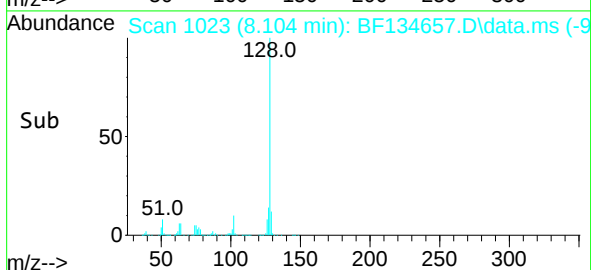
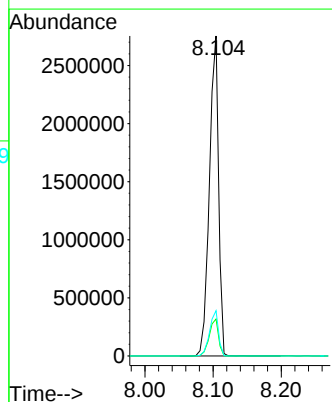
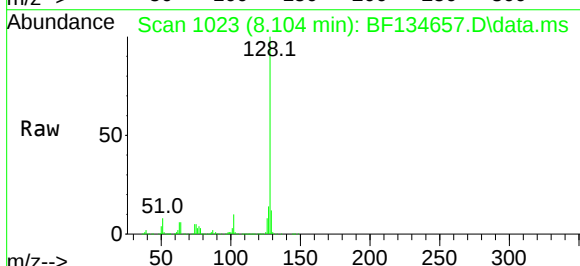
RT: 8.104 min Scan# 1023

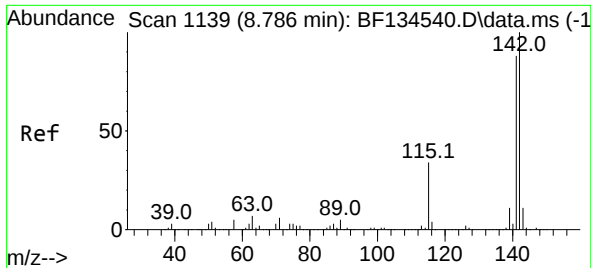
Delta R.T. 0.000 min

Lab File: BF134657.D

Acq: 07 Aug 2023 16:48

Tgt Ion:	128	Resp:	2585126
Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.4	12.6
127	14.1	10.7	16.1





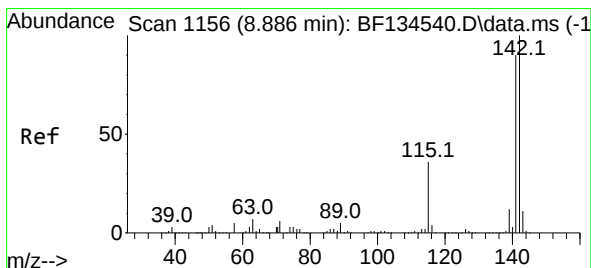
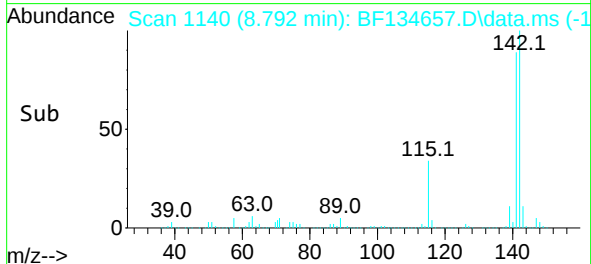
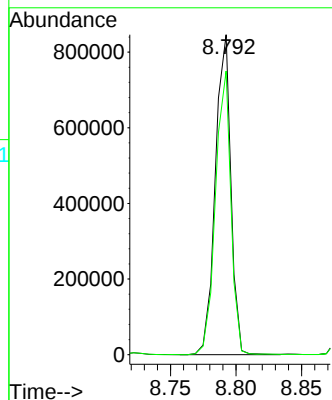
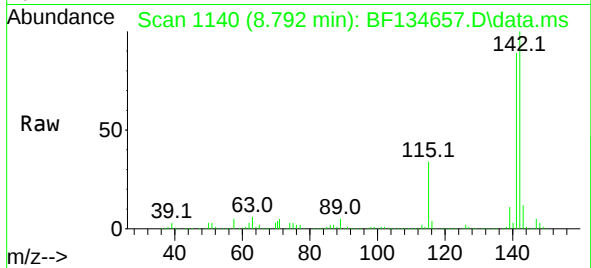
#37
2-Methylnaphthalene
Concen: 25.163 ng
RT: 8.792 min Scan# 1139
Delta R.T. 0.000 min
Lab File: BF134657.D
Acq: 07 Aug 2023 16:48

Instrument :
BNA_F
ClientSampleId :
BUILDING-A-6-(5-10)DL2

Tgt Ion:142 Resp: 696250
Ion Ratio Lower Upper
142 100
141 88.6 70.8 106.2

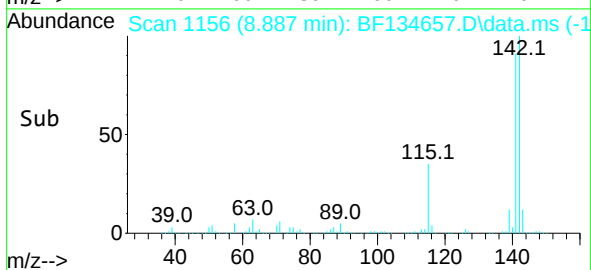
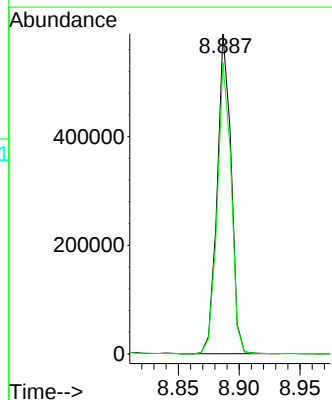
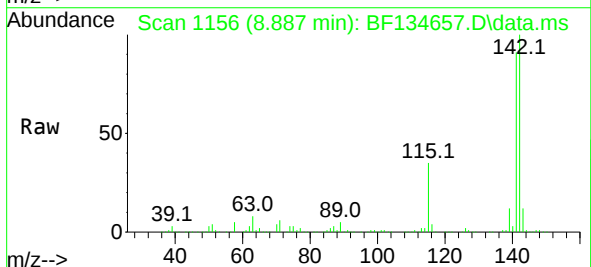
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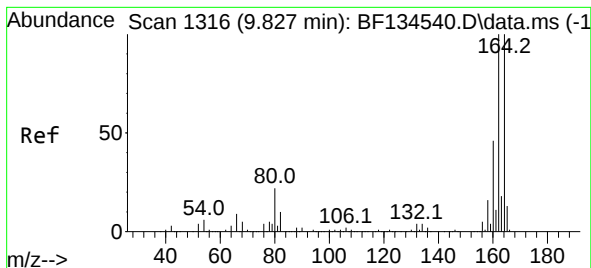
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#38
1-Methylnaphthalene
Concen: 18.255 ng
RT: 8.887 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF134657.D
Acq: 07 Aug 2023 16:48

Tgt Ion:142 Resp: 469701
Ion Ratio Lower Upper
142 100
141 91.2 71.4 107.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.834 min Scan# 1316

Delta R.T. 0.000 min

Lab File: BF134657.D

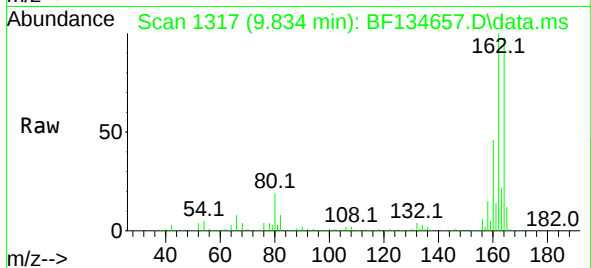
Acq: 07 Aug 2023 16:48

Instrument :

BNA_F

ClientSampleId :

BUILDING-A-6-(5-10)DL2



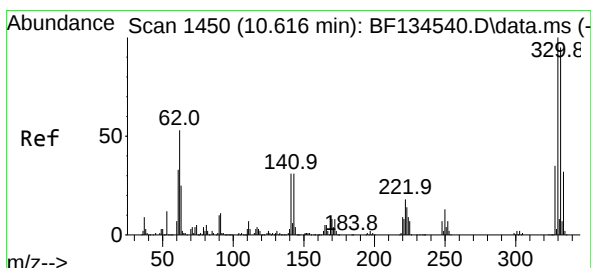
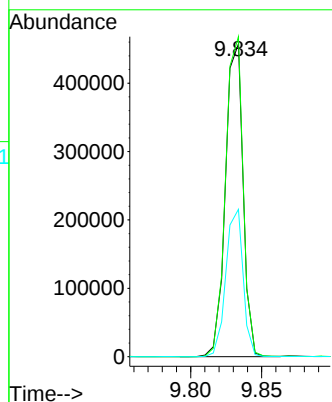
Tgt Ion:	164	162	160
Ratio	100	102.3	47.1
Lower		82.6	37.2
Upper		123.8	55.8

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: 0.456 ng

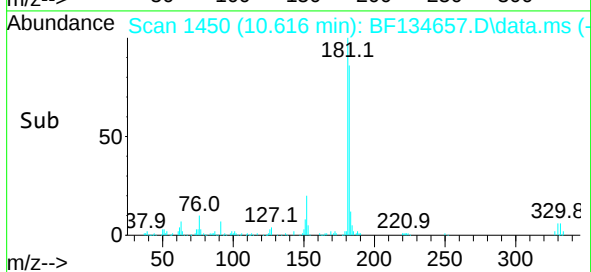
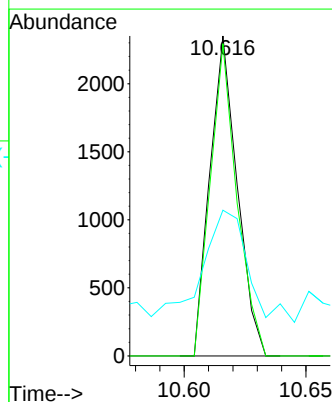
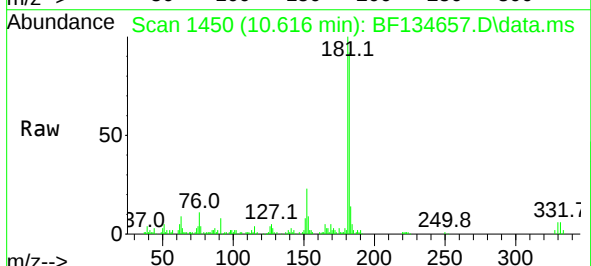
RT: 10.616 min Scan# 1450

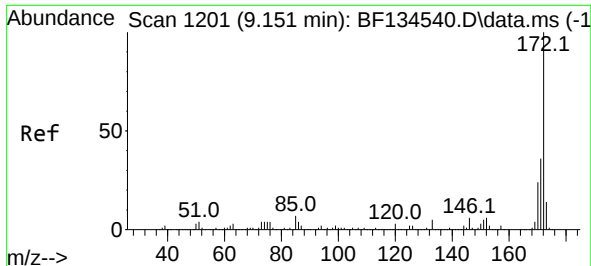
Delta R.T. -0.012 min

Lab File: BF134657.D

Acq: 07 Aug 2023 16:48

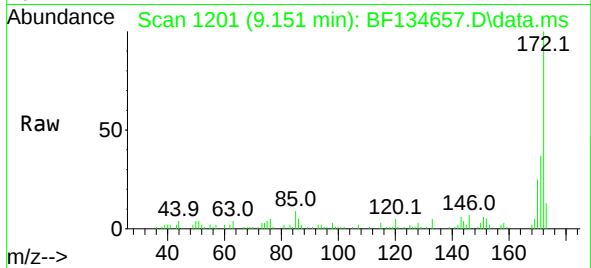
Tgt Ion:	330	332	141
Ratio	100	95.3	58.9
Lower		78.8	25.4
Upper		118.2	38.2





#45
2-Fluorobiphenyl
Concen: 0.651 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF134657.D
Acq: 07 Aug 2023 16:48

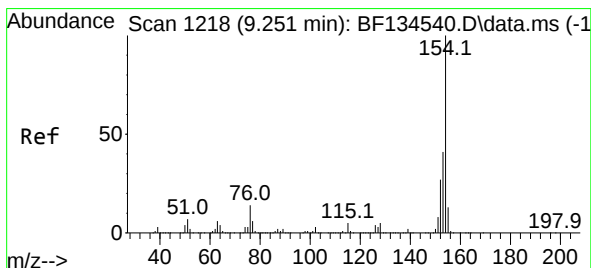
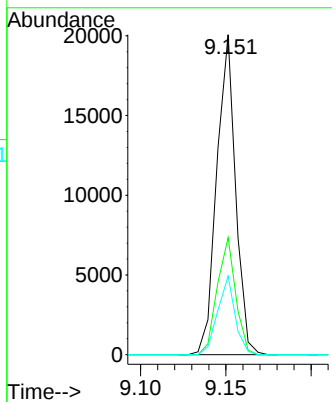
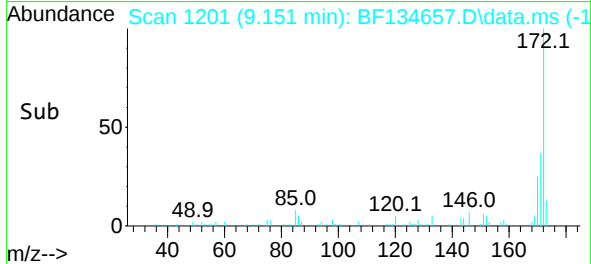
Instrument :
BNA_F
ClientSampleId :
BUILDING-A-6-(5-10)DL2



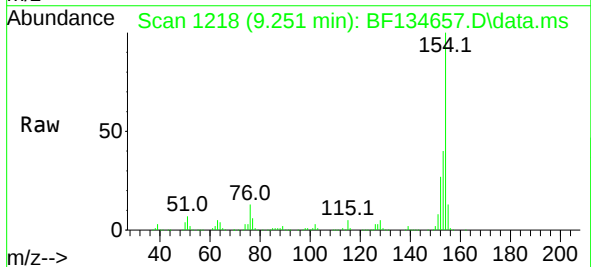
Tgt Ion:172 Resp: 15438
Ion Ratio Lower Upper
172 100
171 36.6 28.8 43.2
170 24.6 18.7 28.1

Manual Integrations
APPROVED

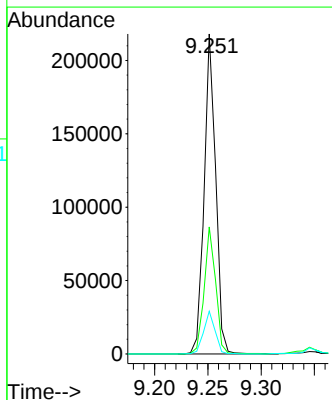
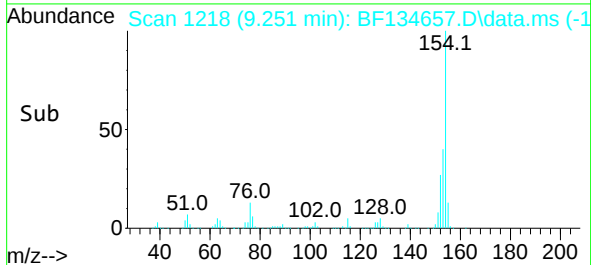
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023

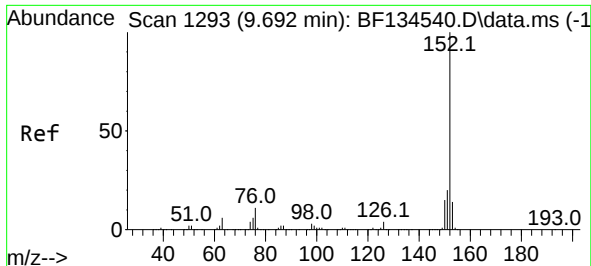


#46
1,1'-Biphenyl
Concen: 5.370 ng
RT: 9.251 min Scan# 1218
Delta R.T. -0.012 min
Lab File: BF134657.D
Acq: 07 Aug 2023 16:48



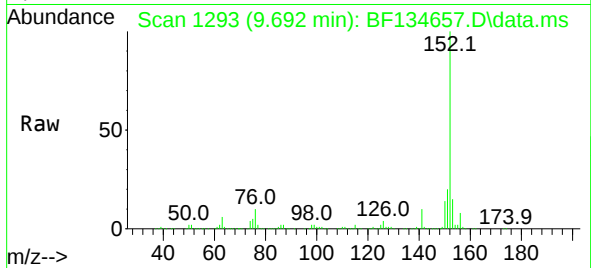
Tgt Ion:154 Resp: 164590
Ion Ratio Lower Upper
154 100
153 39.7 20.8 60.8
76 13.4 0.0 30.2





#49
Acenaphthylene
Concen: 7.811 ng
RT: 9.692 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BF134657.D
Acq: 07 Aug 2023 16:48

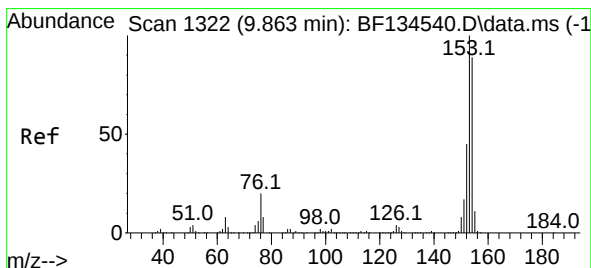
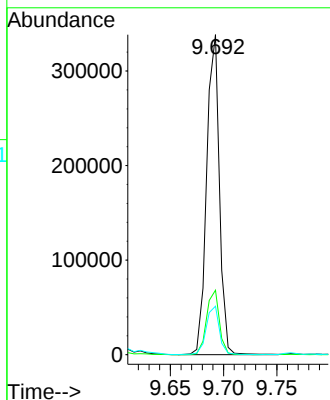
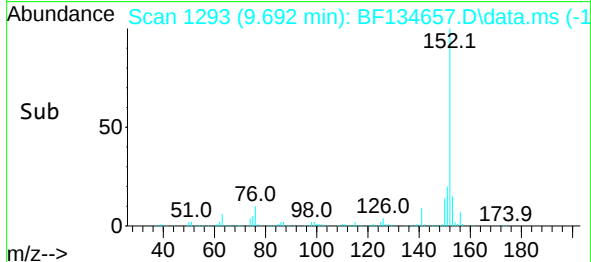
Instrument :
BNA_F
ClientSampleId :
BUILDING-A-6-(5-10)DL2



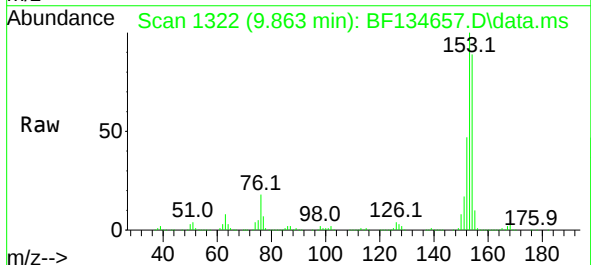
Tgt Ion:152 Resp: 281984
Ion Ratio Lower Upper
152 100
151 20.1 16.4 24.6
153 15.2 10.9 16.3

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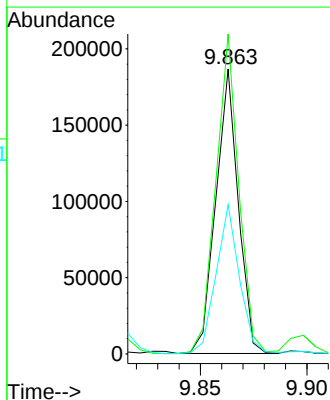
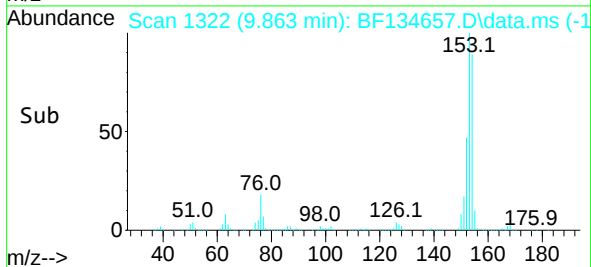
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023

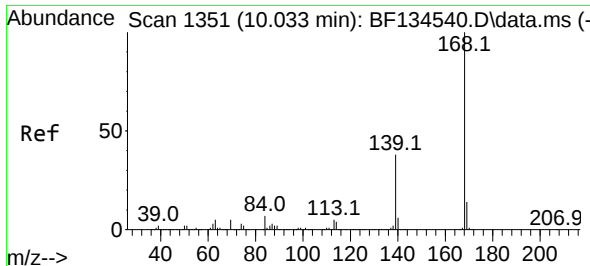


#52
Acenaphthene
Concen: 5.826 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.012 min
Lab File: BF134657.D
Acq: 07 Aug 2023 16:48



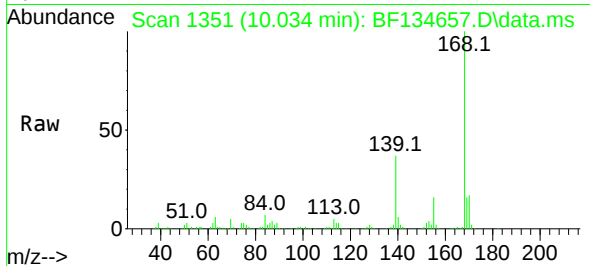
Tgt Ion:154 Resp: 136289
Ion Ratio Lower Upper
154 100
153 112.3 90.0 135.0
152 52.4 42.4 63.6





#55
Dibenzenofuran
Concen: 3.860 ng
RT: 10.034 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134657.D
Acq: 07 Aug 2023 16:48

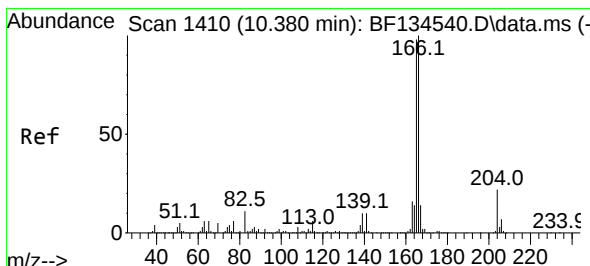
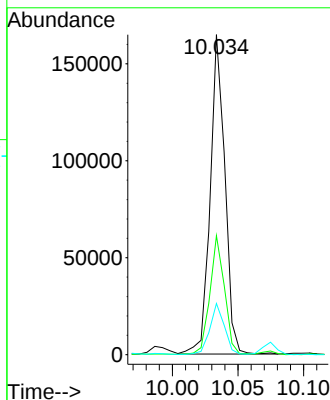
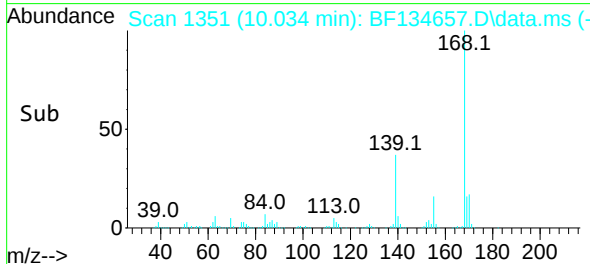
Instrument :
BNA_F
ClientSampleId :
BUILDING-A-6-(5-10)DL2



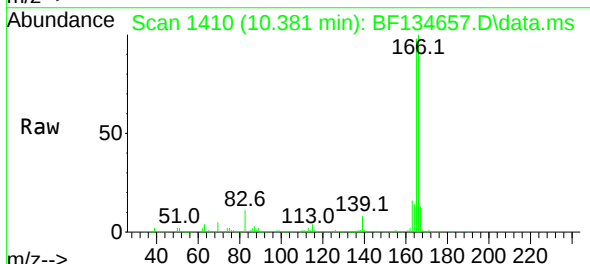
Tgt Ion:168 Resp: 128544
Ion Ratio Lower Upper
168 100
139 37.2 33.4 50.2
169 16.0 10.6 15.8

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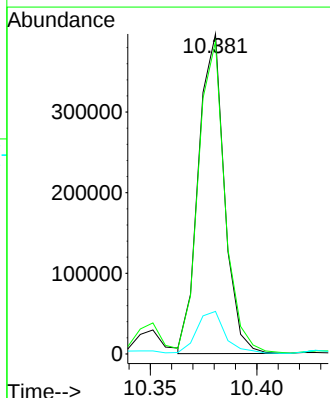
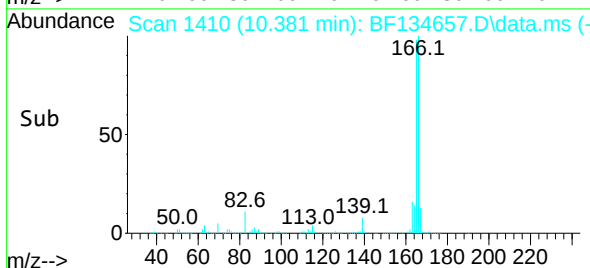
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023

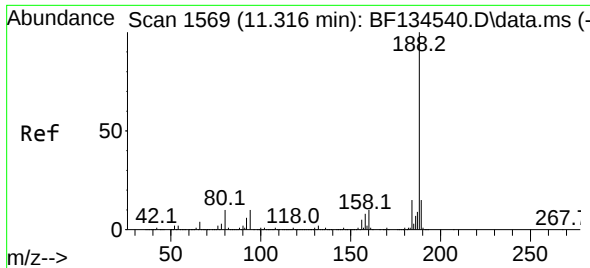


#58
Fluorene
Concen: 13.855 ng
RT: 10.381 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF134657.D
Acq: 07 Aug 2023 16:48



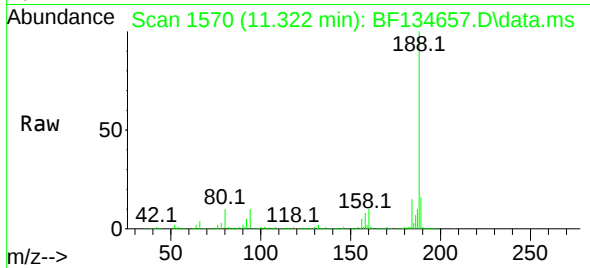
Tgt Ion:166 Resp: 336075
Ion Ratio Lower Upper
166 100
165 97.6 74.5 111.7
167 13.3 10.6 16.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BF134657.D
Acq: 07 Aug 2023 16:48

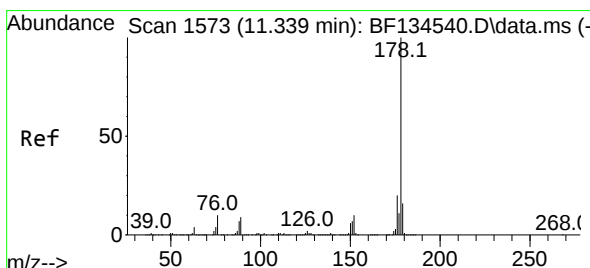
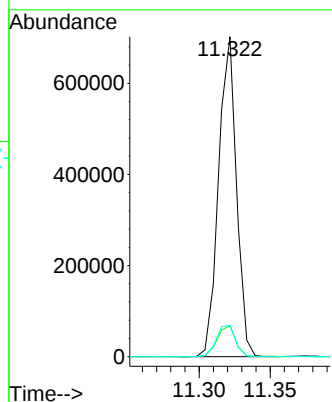
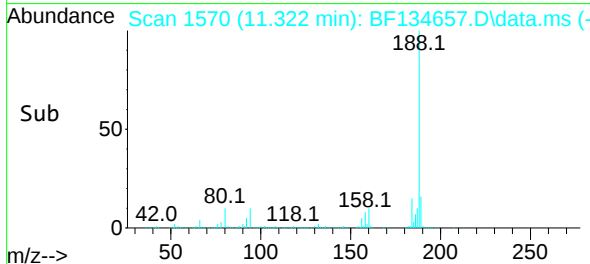
Instrument :
BNA_F
ClientSampleId :
BUILDING-A-6-(5-10)DL2



Tgt Ion:188 Resp: 61515
Ion Ratio Lower Upper
188 100
94 9.7 5.1 7.7
80 9.8 6.6 9.8

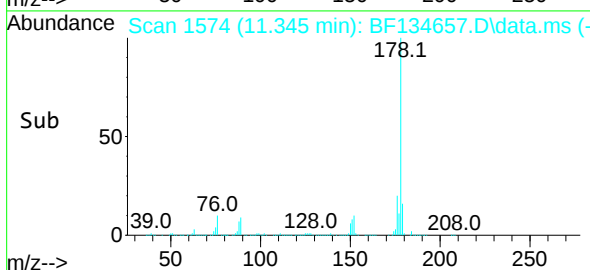
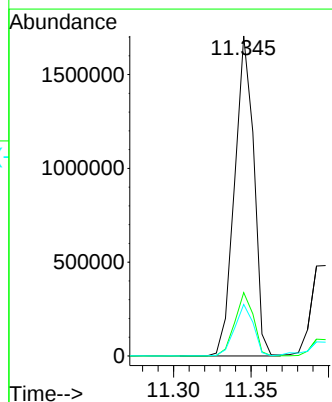
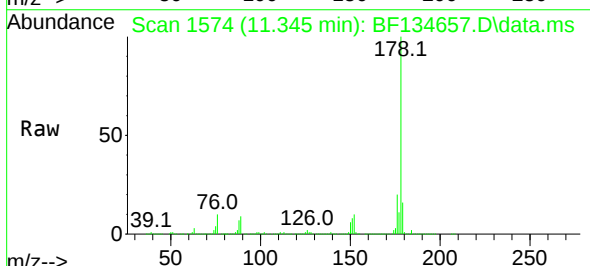
Manual Integrations
APPROVED

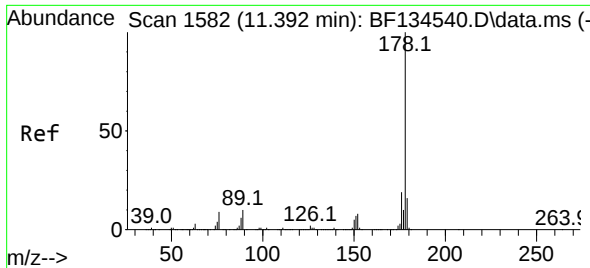
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#71
Phenanthrene
Concen: 45.011 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF134657.D
Acq: 07 Aug 2023 16:48

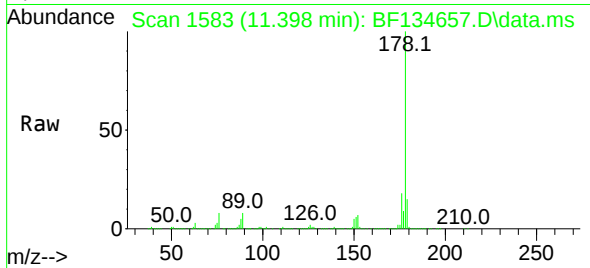
Tgt Ion:178 Resp: 1470713
Ion Ratio Lower Upper
178 100
176 19.8 15.8 23.6
179 16.1 12.7 19.1





#72
 Anthracene
 Concen: 12.929 ng
 RT: 11.398 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF134657.D
 Acq: 07 Aug 2023 16:48

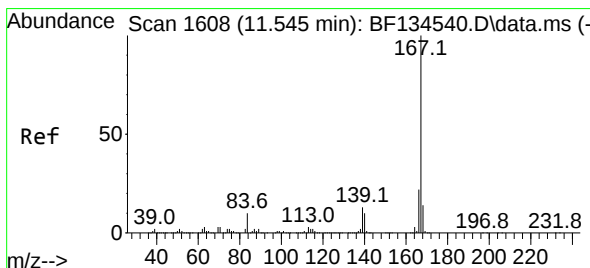
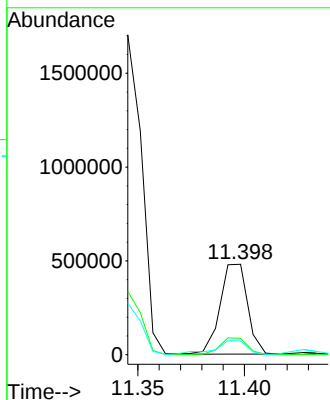
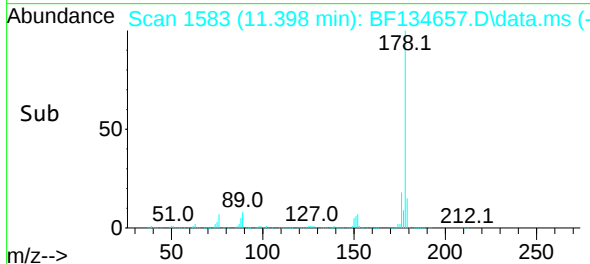
Instrument :
 BNA_F
 ClientSampleId :
 BUILDING-A-6-(5-10)DL2



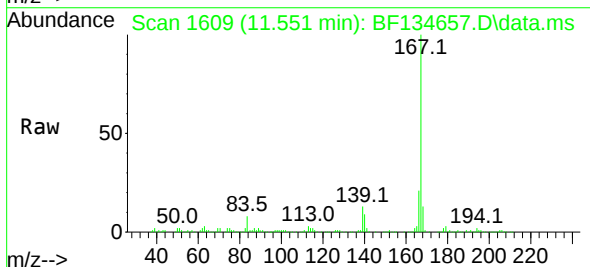
Tgt Ion:178 Resp: 43151
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.6 21.8
 179 15.2 12.3 18.5

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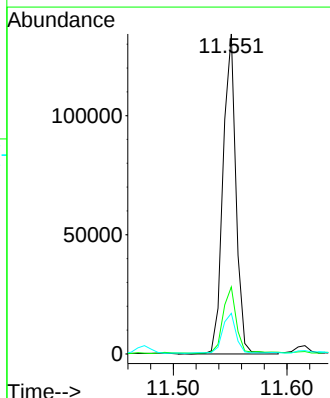
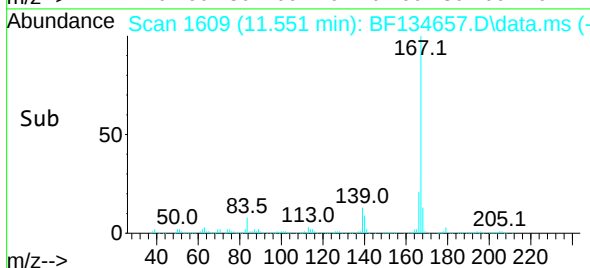
Reviewed By :Yogesh Patel 08/08/2023
 Supervised By :mohammad ahmed 08/08/2023

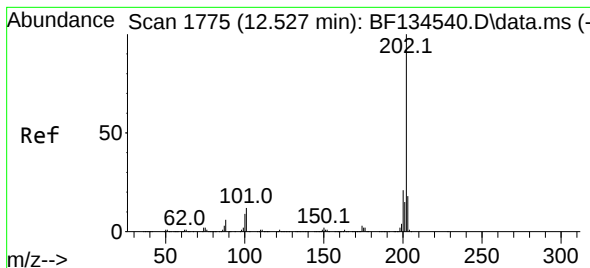


#73
 Carbazole
 Concen: 3.591 ng
 RT: 11.551 min Scan# 1609
 Delta R.T. -0.006 min
 Lab File: BF134657.D
 Acq: 07 Aug 2023 16:48



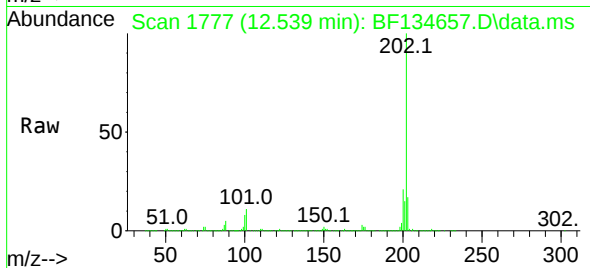
Tgt Ion:167 Resp: 107018
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.5 26.3
 139 12.7 11.0 16.4





#75
Fluoranthene
Concen: 26.876 ng
RT: 12.539 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134657.D
Acq: 07 Aug 2023 16:48

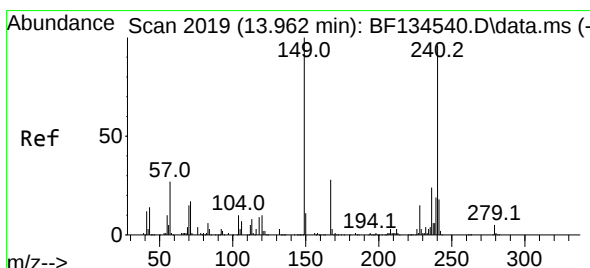
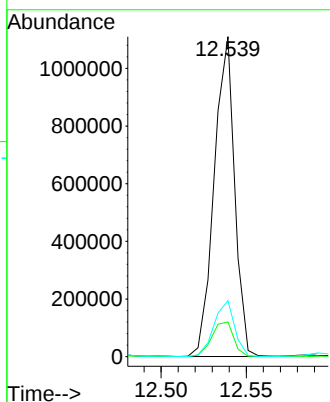
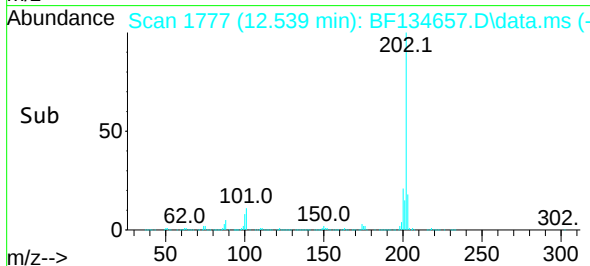
Instrument :
BNA_F
ClientSampleId :
BUILDING-A-6-(5-10)DL2



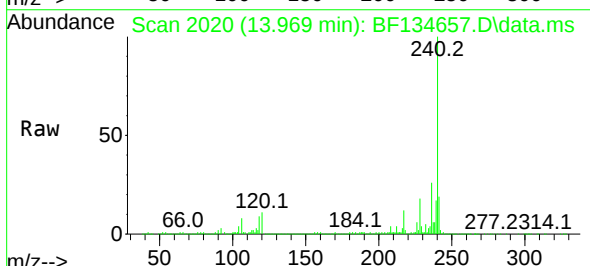
Tgt Ion:202 Resp: 927628
Ion Ratio Lower Upper
202 100
101 10.9 0.0 28.5
203 17.5 0.0 37.5

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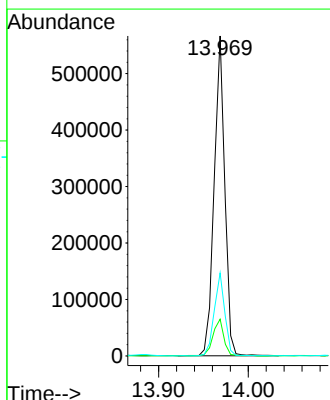
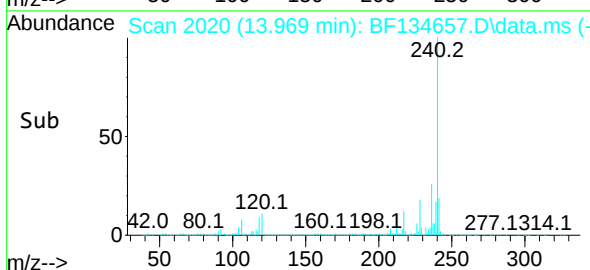
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023

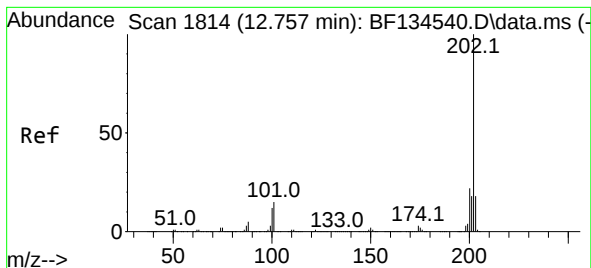


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF134657.D
Acq: 07 Aug 2023 16:48



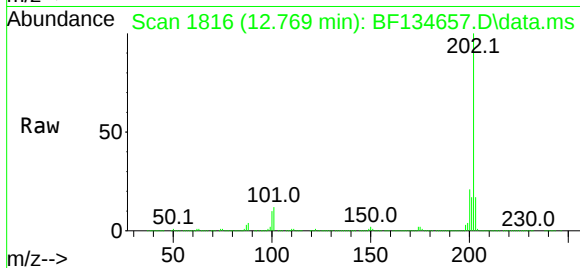
Tgt Ion:240 Resp: 466111
Ion Ratio Lower Upper
240 100
120 11.5 6.6 10.0#
236 26.0 20.2 30.2





#78
Pyrene
Concen: 24.050 ng
RT: 12.769 min Scan# 1816
Delta R.T. 0.000 min
Lab File: BF134657.D
Acq: 07 Aug 2023 16:48

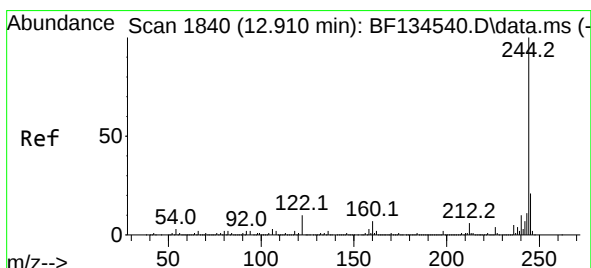
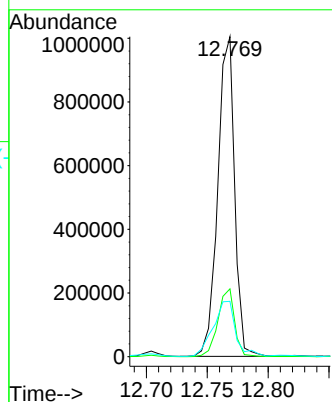
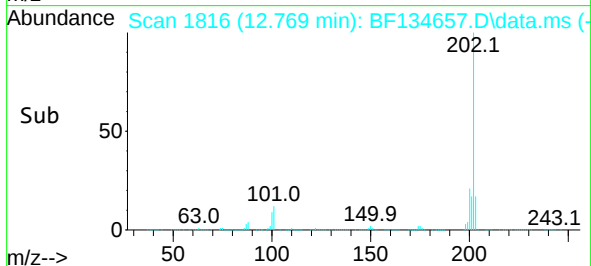
Instrument :
BNA_F
ClientSampleId :
BUILDING-A-6-(5-10)DL2



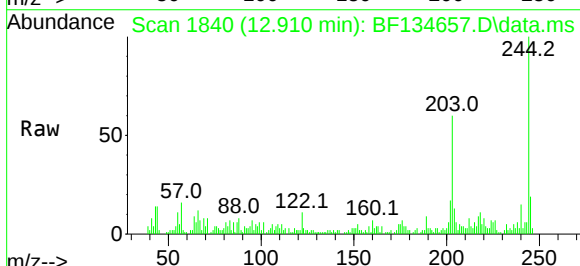
Tgt Ion:202 Resp: 97001
Ion Ratio Lower Upper
202 100
200 21.2 15.8 23.8
203 17.3 13.5 20.3

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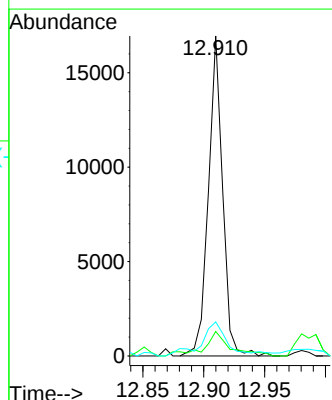
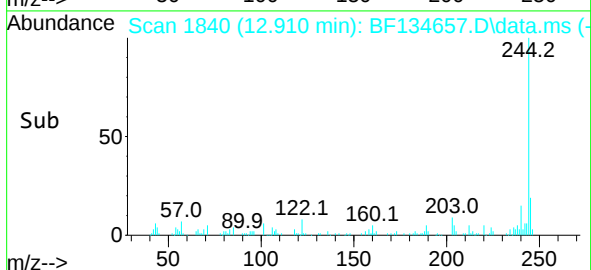
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023

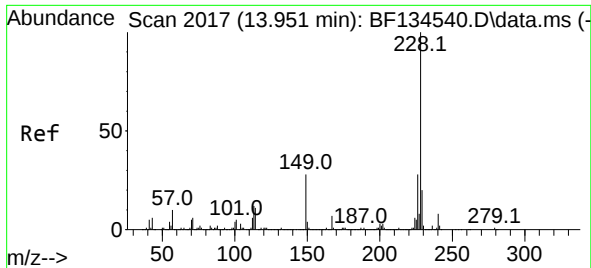


#79
Terphenyl-d14
Concen: 0.522 ng
RT: 12.910 min Scan# 1840
Delta R.T. -0.012 min
Lab File: BF134657.D
Acq: 07 Aug 2023 16:48



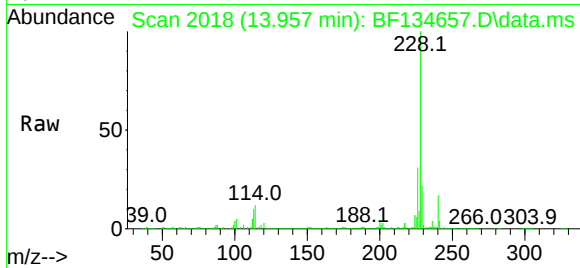
Tgt Ion:244 Resp: 13808
Ion Ratio Lower Upper
244 100
212 7.6 5.6 8.4
122 10.6 8.0 12.0





#81
Benzo(a)anthracene
Concen: 15.243 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF134657.D
Acq: 07 Aug 2023 16:48

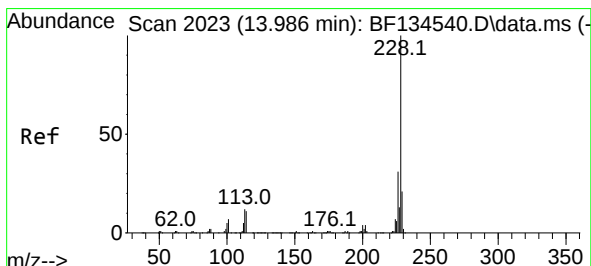
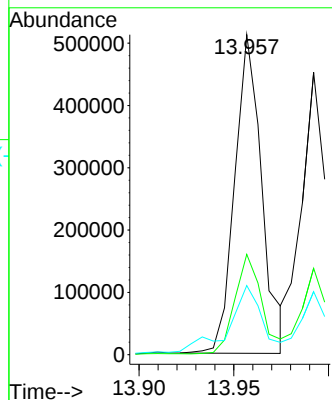
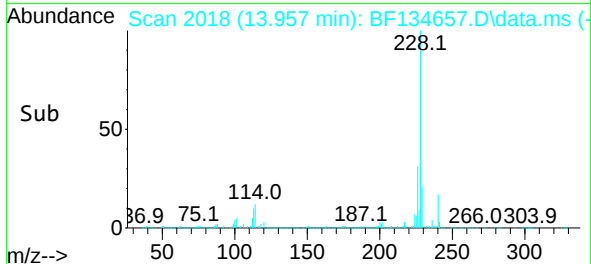
Instrument :
BNA_F
ClientSampleId :
BUILDING-A-6-(5-10)DL2



Tgt Ion:228 Resp: 508040
Ion Ratio Lower Upper
228 100
226 31.4 22.3 33.5
229 21.6 15.8 23.6

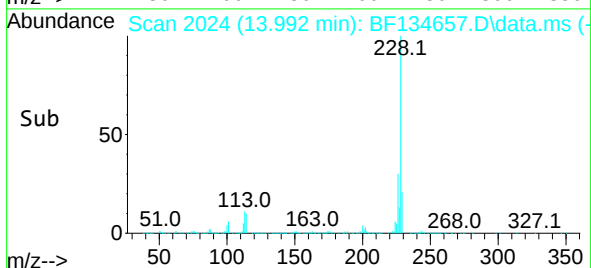
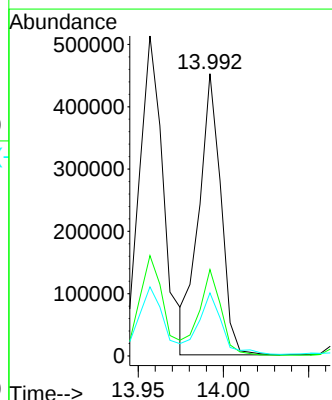
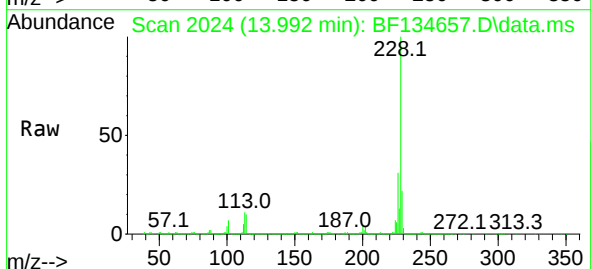
Manual Integrations
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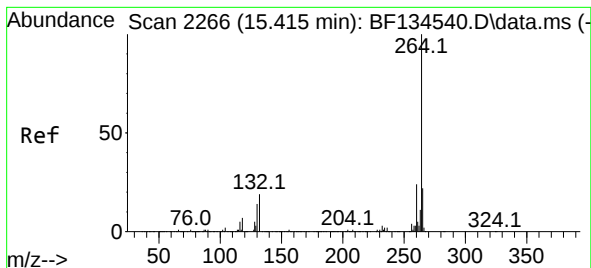
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#83
Chrysene
Concen: 12.509 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF134657.D
Acq: 07 Aug 2023 16:48

Tgt Ion:228 Resp: 406192
Ion Ratio Lower Upper
228 100
226 30.6 24.5 36.7
229 22.4 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF134657.D

Acq: 07 Aug 2023 16:48

Instrument :

BNA_F

ClientSampleId :

BUILDING-A-6-(5-10)DL2

Tgt Ion:264 Resp: 46183

Ion Ratio Lower Upper

264 100

260 23.1 18.4 27.6

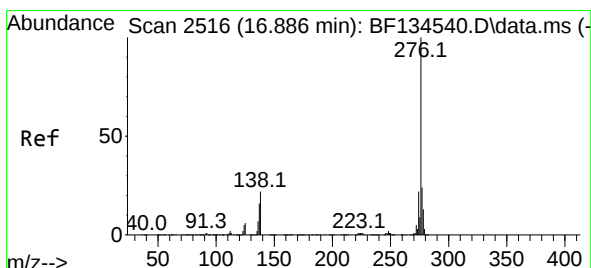
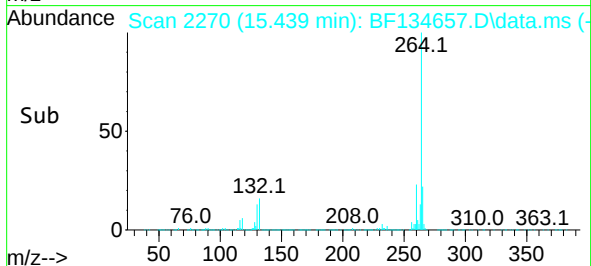
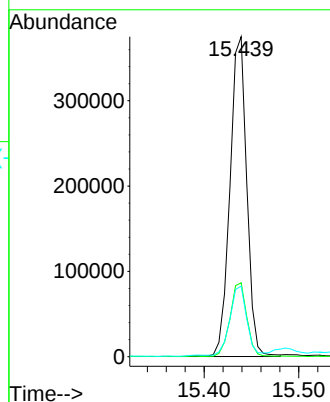
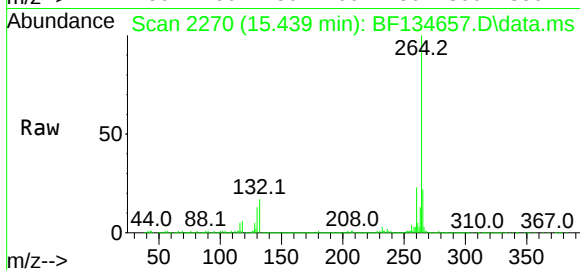
265 22.0 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2023

Supervised By :mohammad ahmed 08/08/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.728 ng

RT: 16.915 min Scan# 2521

Delta R.T. -0.012 min

Lab File: BF134657.D

Acq: 07 Aug 2023 16:48

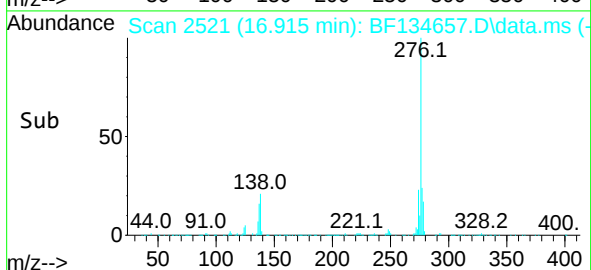
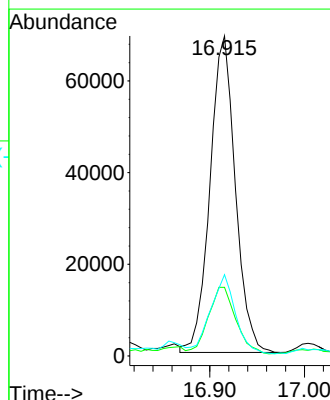
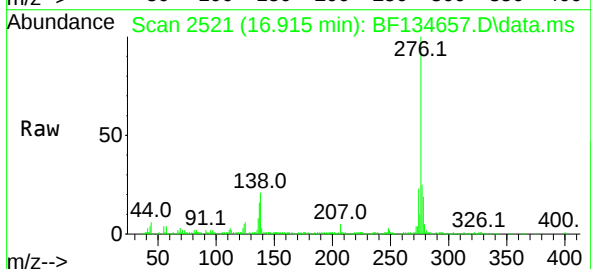
Tgt Ion:276 Resp: 128415

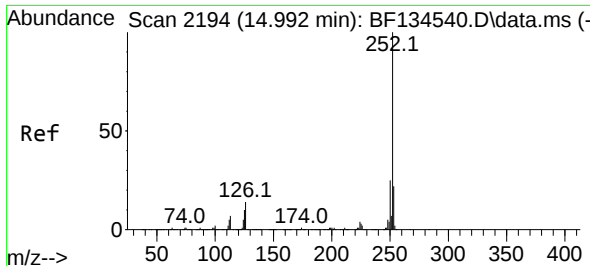
Ion Ratio Lower Upper

276 100

138 22.8 14.2 21.4#

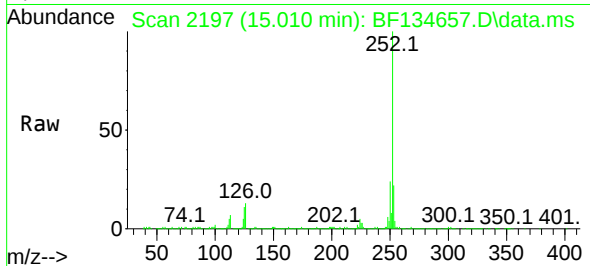
277 25.0 19.9 29.9





#88
Benzo(b)fluoranthene
Concen: 15.977 ng m
RT: 15.010 min Scan# 2194
Delta R.T. 0.000 min
Lab File: BF134657.D
Acq: 07 Aug 2023 16:48

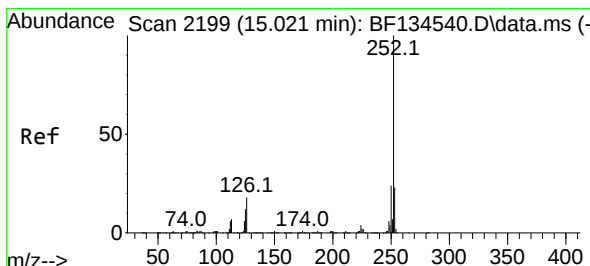
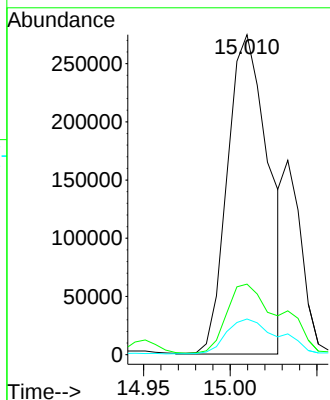
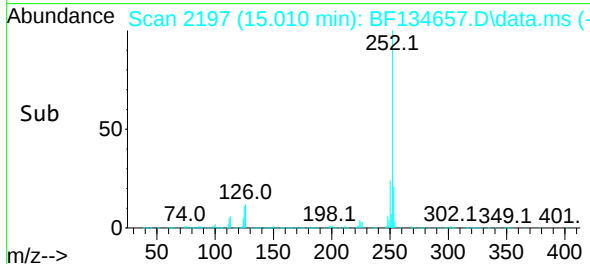
Instrument :
BNA_F
ClientSampleId :
BUILDING-A-6-(5-10)DL2



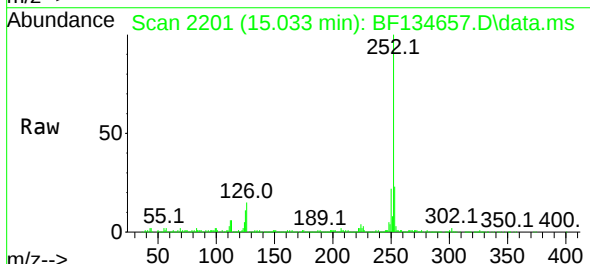
Tgt Ion:252 Resp: 45002
Ion Ratio Lower Upper
252 100
253 22.0 17.3 25.9
125 11.1 6.0 9.0

Manual Integrations
APPROVED

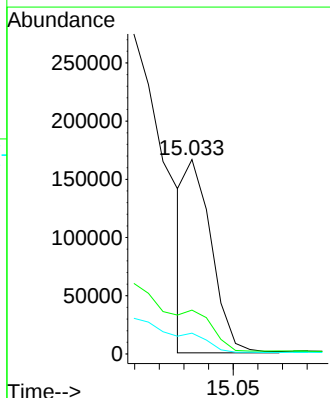
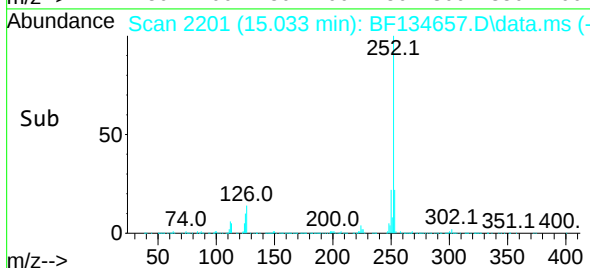
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023

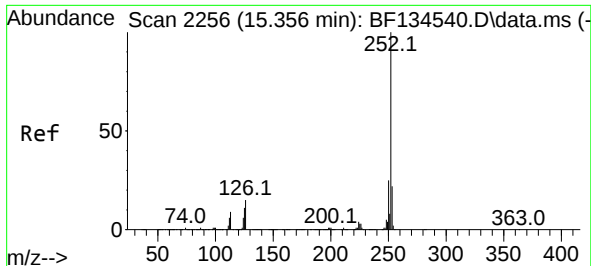


#89
Benzo(k)fluoranthene
Concen: 4.342 ng m
RT: 15.033 min Scan# 2201
Delta R.T. -0.006 min
Lab File: BF134657.D
Acq: 07 Aug 2023 16:48



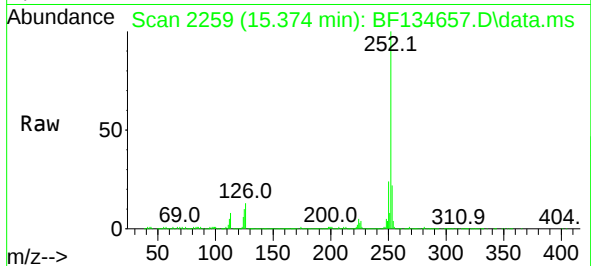
Tgt Ion:252 Resp: 121835
Ion Ratio Lower Upper
252 100
253 22.5 17.9 26.9
125 10.7 6.3 9.5





#90
Benzo(a)pyrene
Concen: 12.913 ng
RT: 15.374 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF134657.D
Acq: 07 Aug 2023 16:48

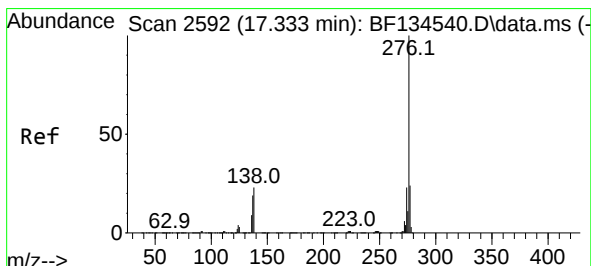
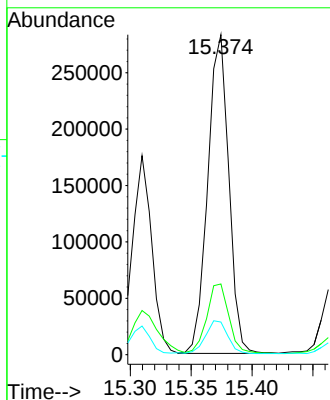
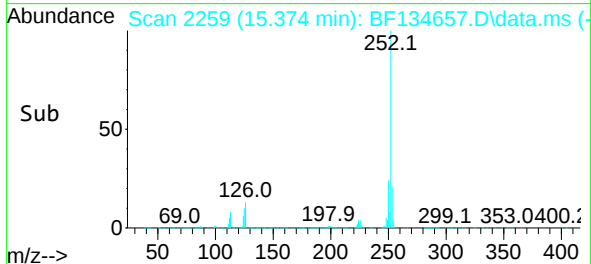
Instrument :
BNA_F
ClientSampleId :
BUILDING-A-6-(5-10)DL2



Tgt Ion:252 Resp: 33912
Ion Ratio Lower Upper
252 100
253 22.1 17.0 25.4
125 10.2 6.2 9.4

Manual Integrations
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Supervised By :mohammad ahmed 08/08/2023



#92
Benzo(g,h,i)perylene
Concen: 5.221 ng
RT: 17.362 min Scan# 2597
Delta R.T. -0.012 min
Lab File: BF134657.D
Acq: 07 Aug 2023 16:48

Tgt Ion:276 Resp: 116912
Ion Ratio Lower Upper
276 100
277 25.2 19.0 28.6
138 22.9 12.2 18.2

