

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081823\
 Data File : BF134837.D
 Acq On : 18 Aug 2023 12:38
 Operator : CG\JU
 Sample : 04047-02 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB05-Z60-61

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/21/2023
 Supervised By :mohammad ahmed 08/21/2023

Quant Time: Aug 18 13:07:01 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	6.792	152	162854	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	650617	20.000	ng	# 0.00
39) Acenaphthene-d10	9.827	164	338117	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	522499	20.000	ng	# 0.00
76) Chrysene-d12	13.963	240	351761	20.000	ng	#-0.01
86) Perylene-d12	15.433	264	284328	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	69470	6.484	ng	-0.02
7) Phenol-d6	6.416	99	90576	6.614	ng	-0.02
23) Nitrobenzene-d5	7.345	82	54733	5.257	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	20357	5.906	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	114324	5.622	ng	-0.02
79) Terphenyl-d14	12.904	244	92163	4.619	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.104	128	4201547	128.492	ng	97
37) 2-Methylnaphthalene	8.786	142	1408513	64.986	ng	100
38) 1-Methylnaphthalene	8.886	142	1015922	50.407	ng	97
46) 1,1'-Biphenyl	9.245	154	289296	11.003	ng	98
49) Acenaphthylene	9.686	152	140650	4.542	ng	# 92
52) Acenaphthene	9.863	154	724496	36.100	ng	99
55) Dibenzofuran	10.027	168	60555	2.120	ng	# 86
58) Fluorene	10.374	166	417694	20.072	ng	96
71) Phenanthrene	11.345	178	1388962	50.047	ng	100
72) Anthracene	11.392	178	430745	15.195	ng	100
75) Fluoranthene	12.533	202	492268	16.792	ng	98
78) Pyrene	12.763	202	739545	24.296	ng	98
81) Benzo(a)anthracene	13.957	228	264750m	10.526	ng	
83) Chrysene	13.986	228	225458	9.200	ng	98
87) Indeno(1,2,3-cd)pyrene	16.909	276	40662	2.432	ng	# 94
88) Benzo(b)fluoranthene	15.004	252	143047m	8.249	ng	
89) Benzo(k)fluoranthene	15.027	252	47247m	2.735	ng	
90) Benzo(a)pyrene	15.368	252	154697	9.568	ng	# 95
92) Benzo(g,h,i)perylene	17.356	276	46249	3.355	ng	# 92

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

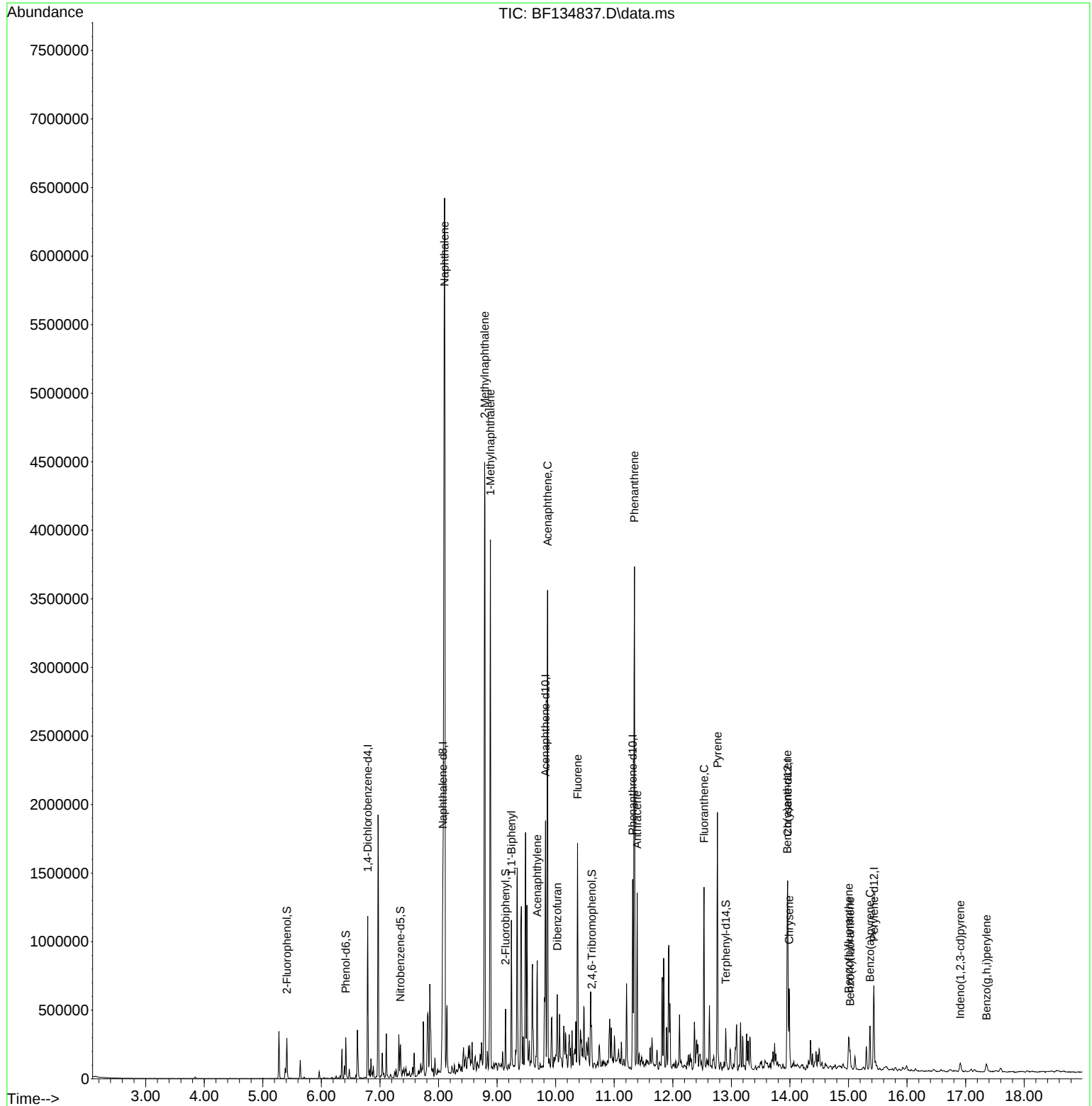
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081823\
Data File : BF134837.D
Acq On : 18 Aug 2023 12:38
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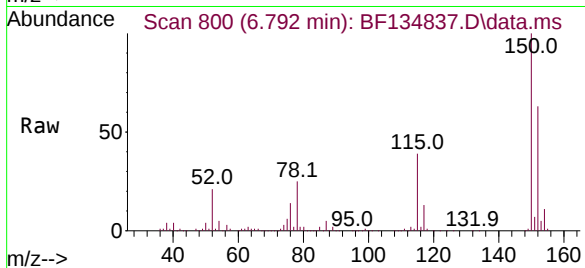
Quant Time: Aug 18 13:07:01 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 09:29:15 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF134837.D
Acq: 18 Aug 2023 12:38

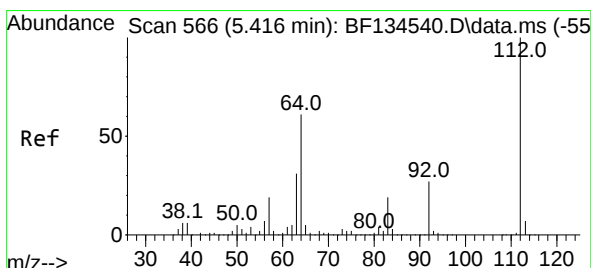
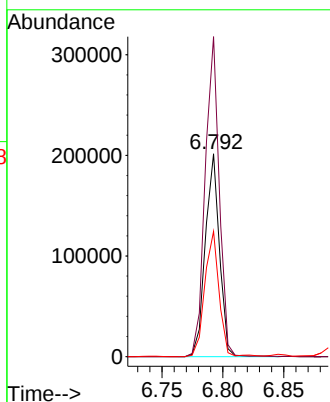
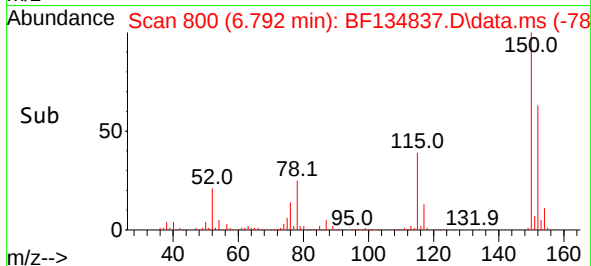
Instrument :
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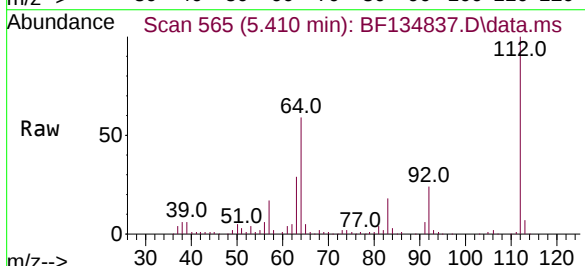
Tgt Ion:152 Resp: 162854
Ion Ratio Lower Upper
152 100
150 157.7 128.3 192.5
115 61.8 52.4 78.6

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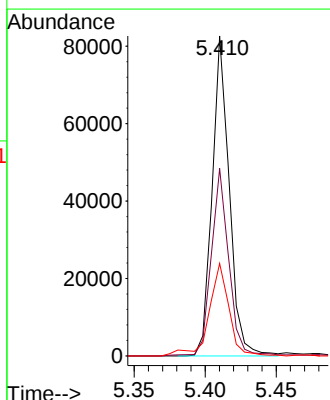
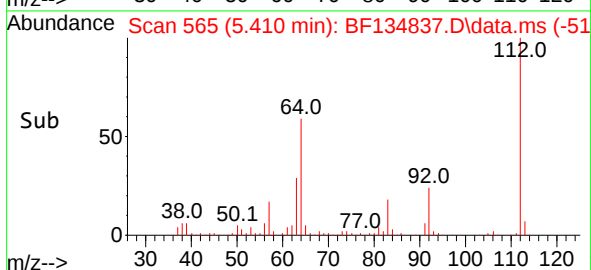
Reviewed By :Yogesh Patel 08/21/2023
Supervised By :mohammad ahmed 08/21/2023

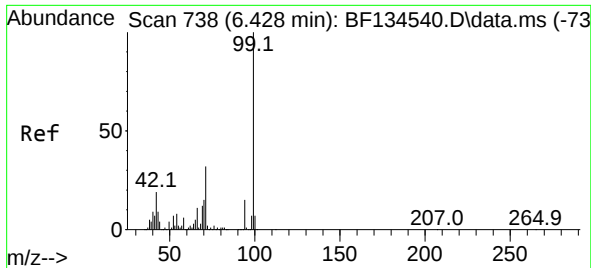


#5
2-Fluorophenol
Concen: 6.484 ng
RT: 5.410 min Scan# 565
Delta R.T. -0.018 min
Lab File: BF134837.D
Acq: 18 Aug 2023 12:38



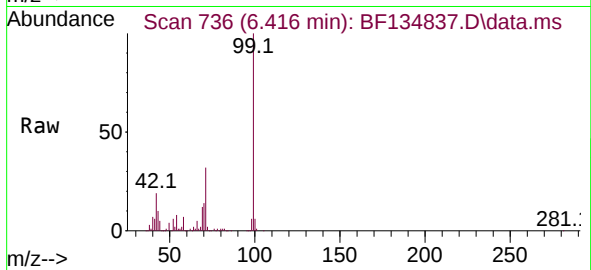
Tgt Ion:112 Resp: 69470
Ion Ratio Lower Upper
112 100
64 58.6 44.9 67.3
63 28.9 25.4 38.0





#7
Phenol-d6
Concen: 6.614 ng
RT: 6.416 min Scan# 738
Delta R.T. -0.024 min
Lab File: BF134837.D
Acq: 18 Aug 2023 12:38

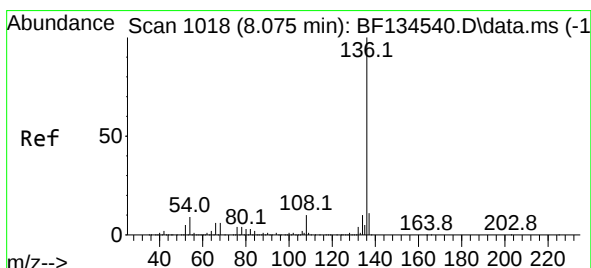
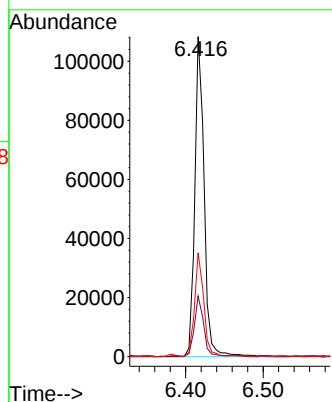
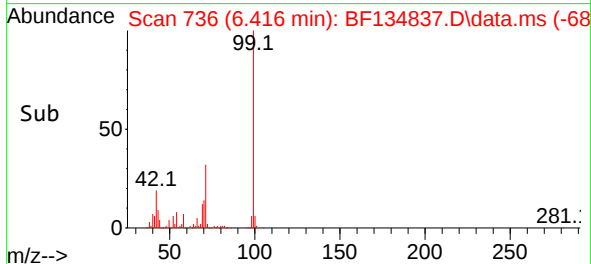
Instrument :
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Tgt Ion: 99 Resp: 90576
Ion Ratio Lower Upper
99 100
42 18.9 18.7 28.1
71 32.4 36.4 54.6

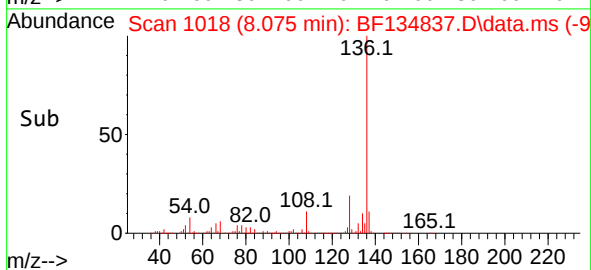
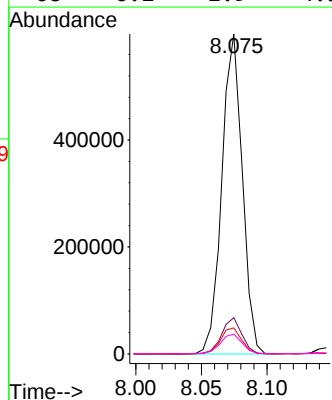
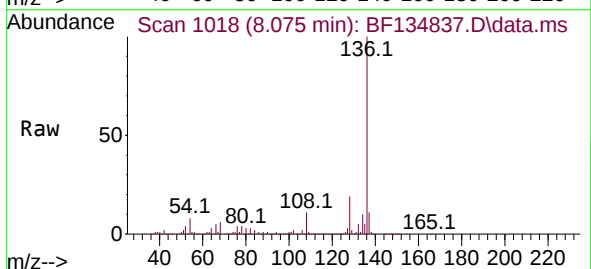
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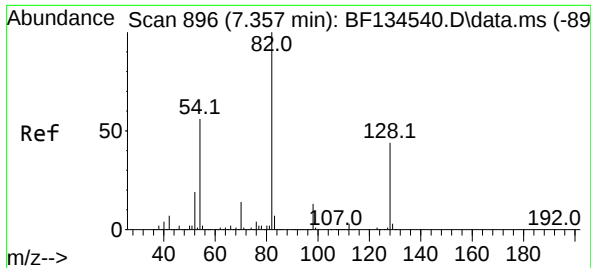
Reviewed By :Yogesh Patel 08/21/2023
Supervised By :mohammad ahmed 08/21/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134837.D
Acq: 18 Aug 2023 12:38

Tgt Ion:136 Resp: 650617
Ion Ratio Lower Upper
136 100
137 11.3 8.4 12.6
54 8.1 5.2 7.8#
68 6.2 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 5.257 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.024 min

Lab File: BF134837.D

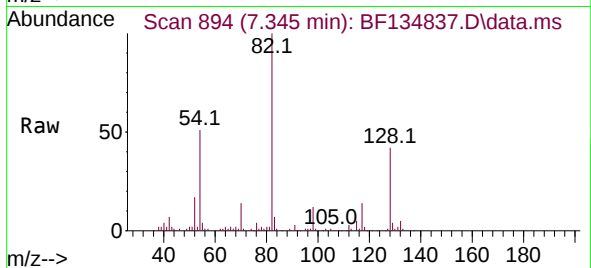
Acq: 18 Aug 2023 12:38

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB05-Z60-61



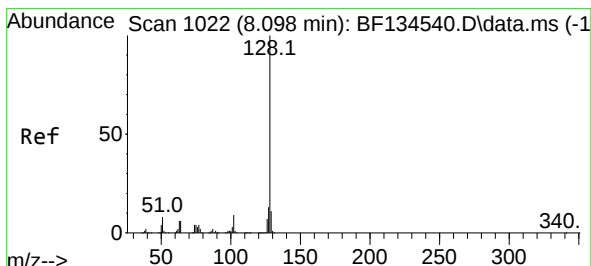
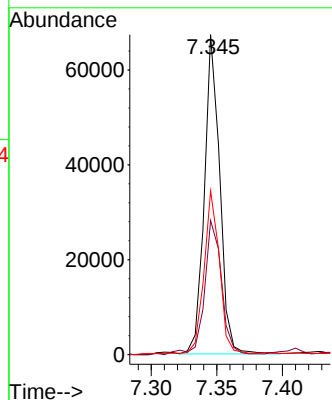
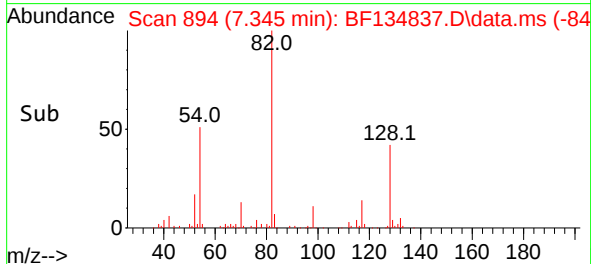
Tgt Ion: 82	Resp: 54733
Ion Ratio	Lower Upper
82	100
128	41.9 34.3 51.5
54	51.2 43.8 65.6

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Supervised By :mohammad ahmed 08/21/2023



#31

Naphthalene

Concen: 128.492 ng

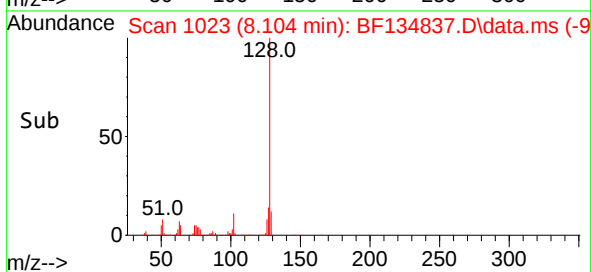
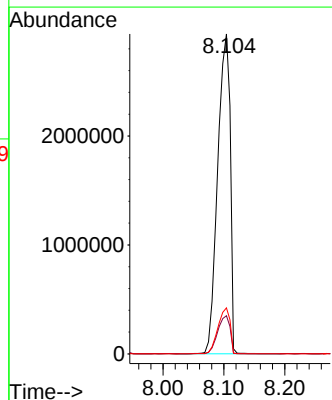
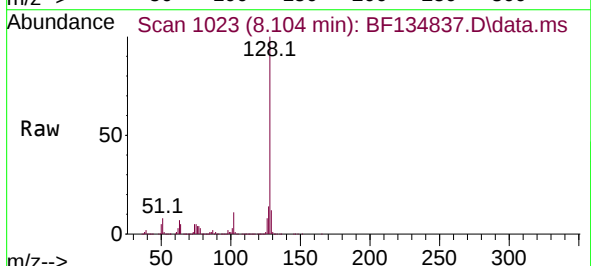
RT: 8.104 min Scan# 1023

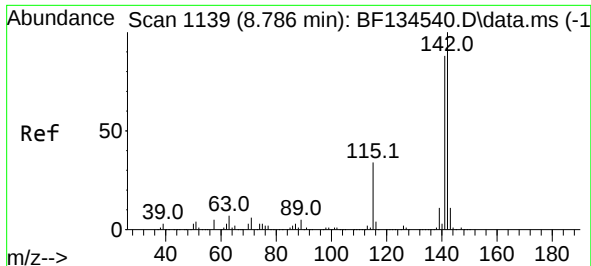
Delta R.T. 0.000 min

Lab File: BF134837.D

Acq: 18 Aug 2023 12:38

Tgt Ion:128	Resp: 4201547
Ion Ratio	Lower Upper
128	100
129	12.0 8.4 12.6
127	14.4 10.7 16.1





#37

2-Methylnaphthalene

Concen: 64.986 ng

RT: 8.786 min Scan# 1139

Delta R.T. -0.006 min

Lab File: BF134837.D

Acq: 18 Aug 2023 12:38

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB05-Z60-61

Tgt Ion:142 Resp: 1408513

Ion Ratio Lower Upper

142 100

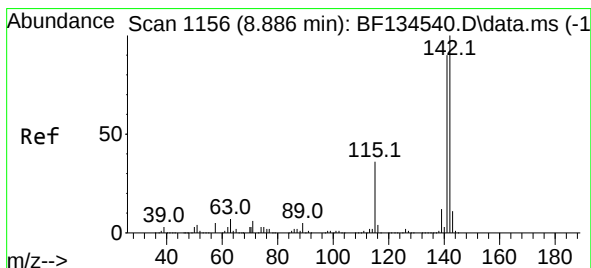
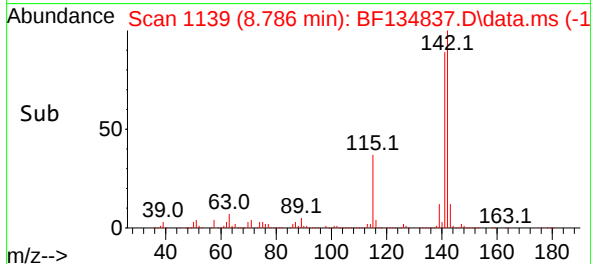
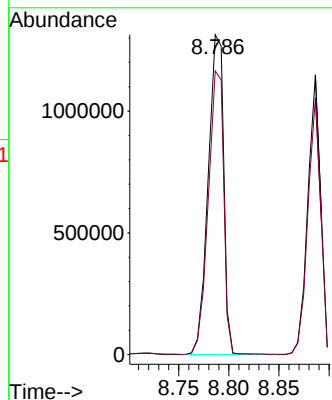
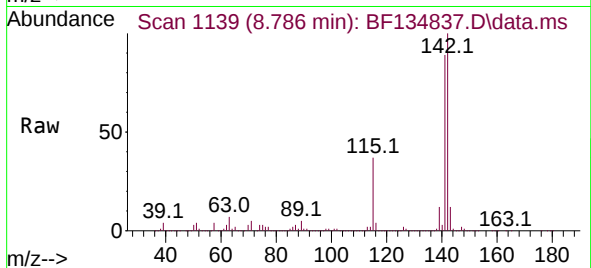
141 88.7 70.8 106.2

Manual Integrations

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Supervised By :mohammad ahmed 08/21/2023



#38

1-Methylnaphthalene

Concen: 50.407 ng

RT: 8.886 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BF134837.D

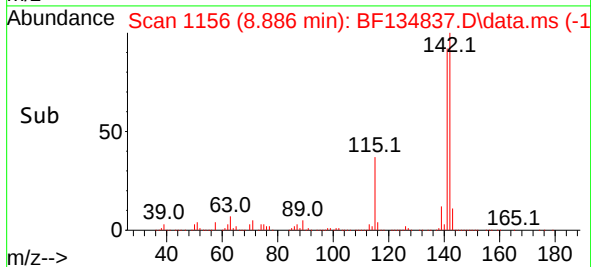
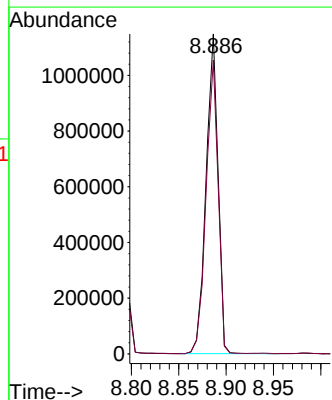
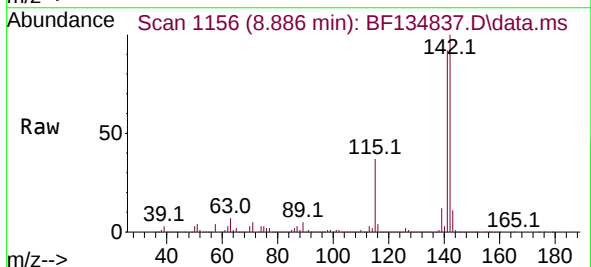
Acq: 18 Aug 2023 12:38

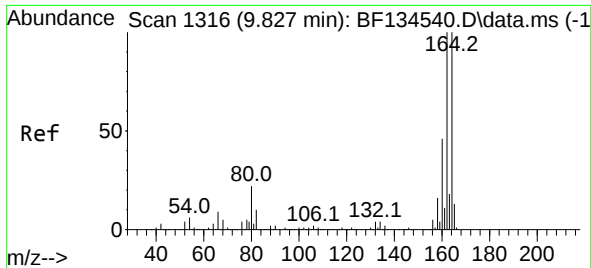
Tgt Ion:142 Resp: 1015922

Ion Ratio Lower Upper

142 100

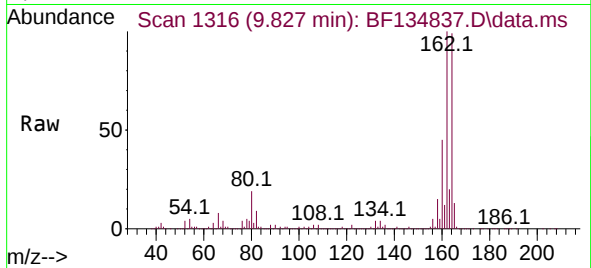
141 91.8 71.4 107.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF134837.D
Acq: 18 Aug 2023 12:38

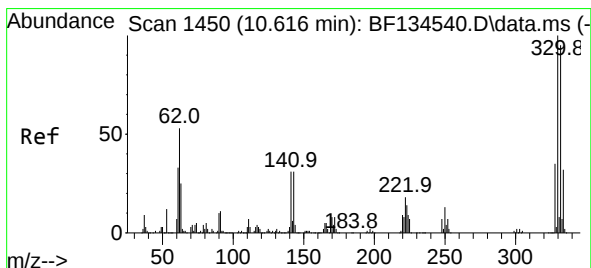
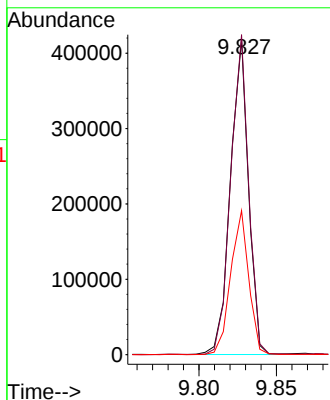
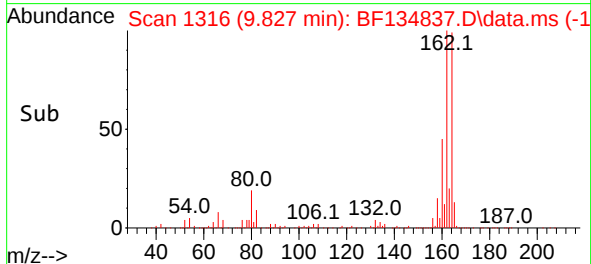
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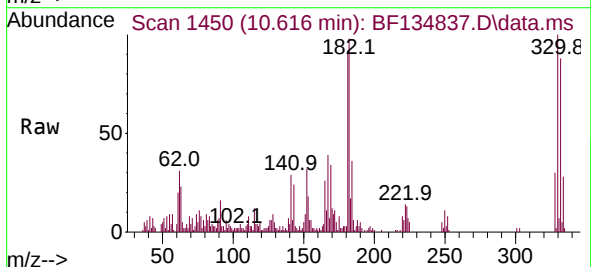
Tgt Ion:164 Resp: 338117
Ion Ratio Lower Upper
164 100
162 101.5 82.6 123.8
160 45.6 37.2 55.8

Manual Integrations
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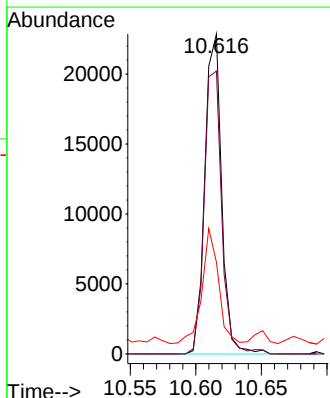
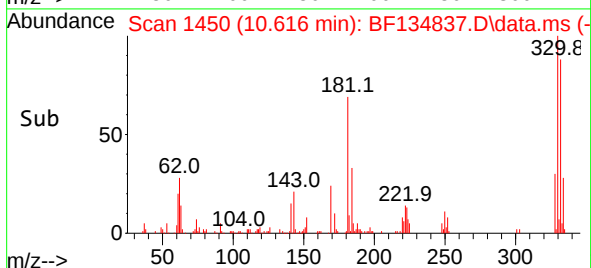
Reviewed By :Yogesh Patel 08/21/2023
Supervised By :mohammad ahmed 08/21/2023

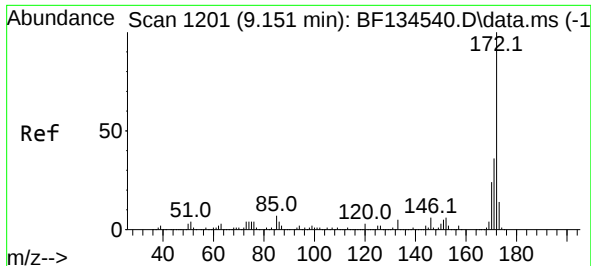


#42
2,4,6-Tribromophenol
Concen: 5.906 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF134837.D
Acq: 18 Aug 2023 12:38



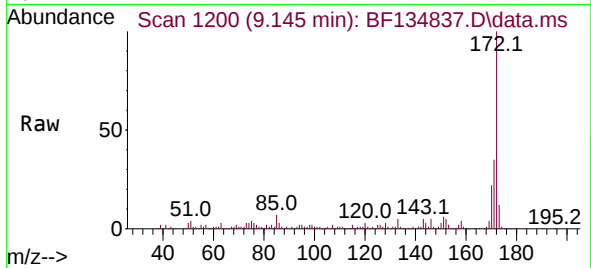
Tgt Ion:330 Resp: 20357
Ion Ratio Lower Upper
330 100
332 92.3 78.8 118.2
141 35.0 25.4 38.2





#45
2-Fluorobiphenyl
Concen: 5.622 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF134837.D
Acq: 18 Aug 2023 12:38

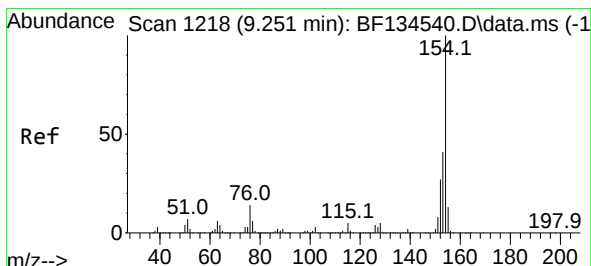
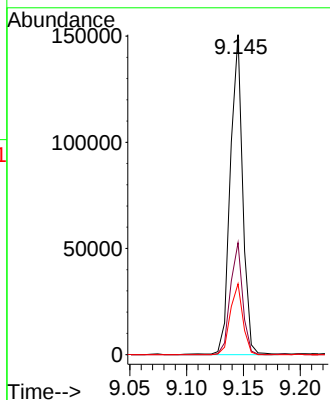
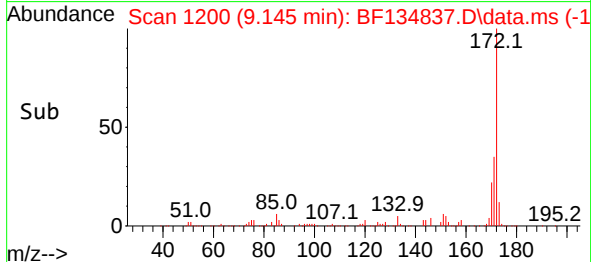
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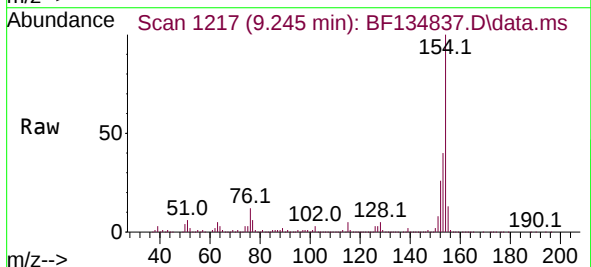
Tgt Ion:172 Resp: 114324
Ion Ratio Lower Upper
172 100
171 35.0 28.8 43.2
170 22.1 18.7 28.1

Manual Integrations
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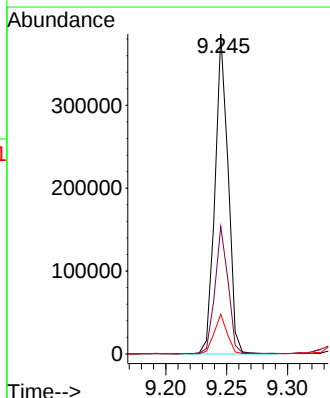
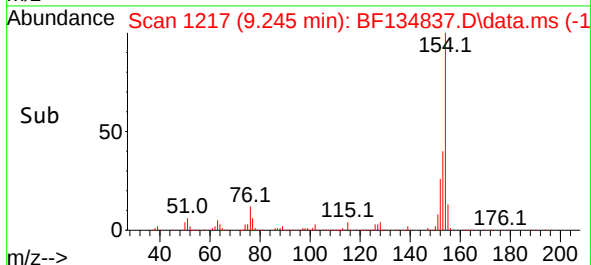
Reviewed By :Yogesh Patel 08/21/2023
Supervised By :mohammad ahmed 08/21/2023

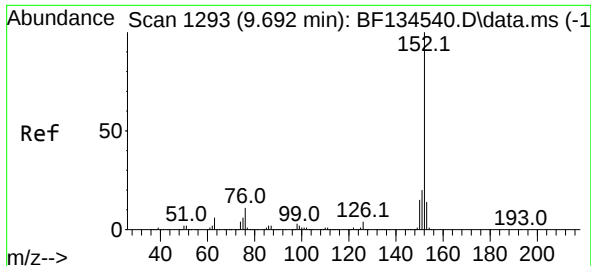


#46
1,1'-Biphenyl
Concen: 11.003 ng
RT: 9.245 min Scan# 1217
Delta R.T. -0.018 min
Lab File: BF134837.D
Acq: 18 Aug 2023 12:38



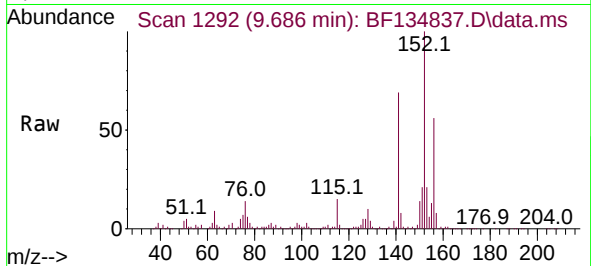
Tgt Ion:154 Resp: 289296
Ion Ratio Lower Upper
154 100
153 39.8 20.8 60.8
76 12.4 0.0 30.2





#49
Acenaphthylene
Concen: 4.542 ng
RT: 9.686 min Scan# 1292
Delta R.T. -0.012 min
Lab File: BF134837.D
Acq: 18 Aug 2023 12:38

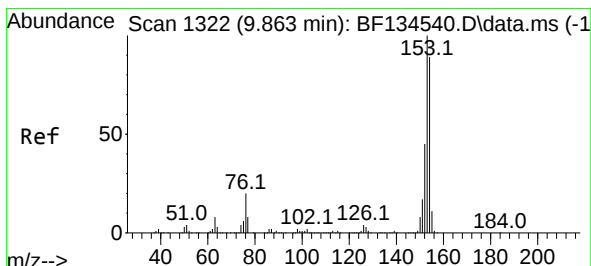
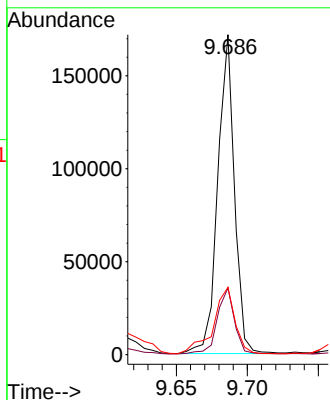
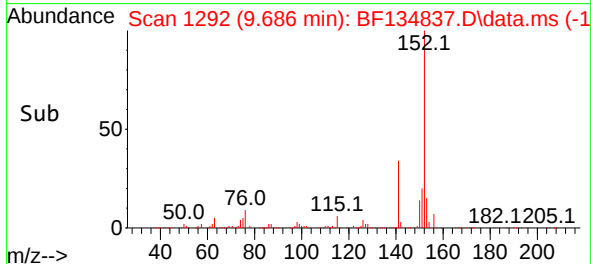
Instrument :
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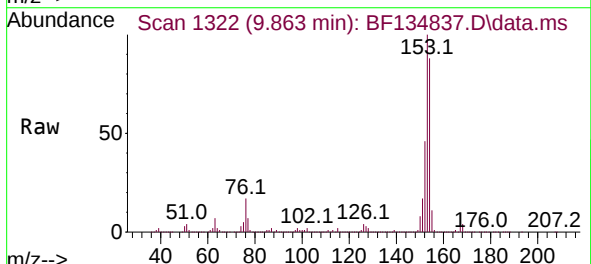
Tgt Ion:152 Resp: 140650
Ion Ratio Lower Upper
152 100
151 20.8 16.4 24.6
153 21.0 10.9 16.3

Manual Integrations
APPROVED

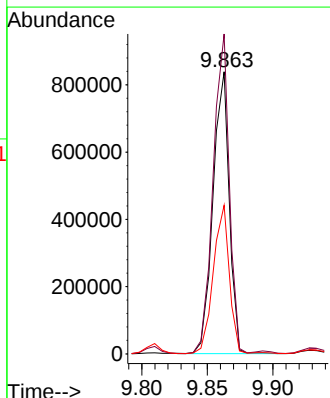
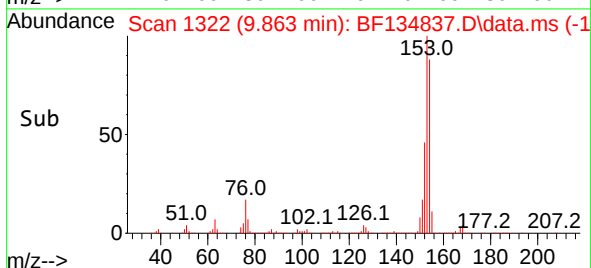
Reviewed By :Yogesh Patel 08/21/2023
Supervised By :mohammad ahmed 08/21/2023

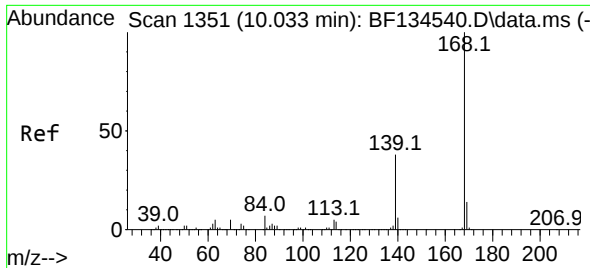


#52
Acenaphthene
Concen: 36.100 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.012 min
Lab File: BF134837.D
Acq: 18 Aug 2023 12:38



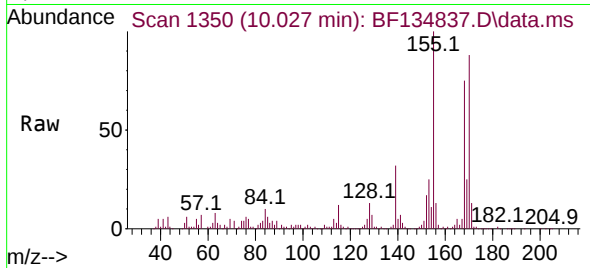
Tgt Ion:154 Resp: 724496
Ion Ratio Lower Upper
154 100
153 113.4 90.0 135.0
152 52.6 42.4 63.6





#55
Dibenzofuran
Concen: 2.120 ng
RT: 10.027 min Scan# 1351
Delta R.T. -0.018 min
Lab File: BF134837.D
Acq: 18 Aug 2023 12:38

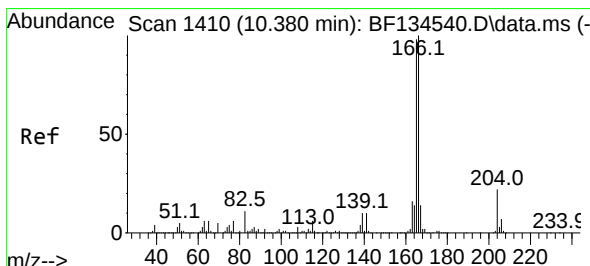
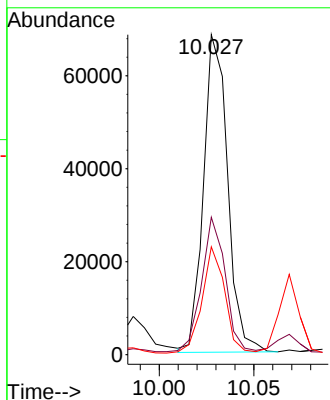
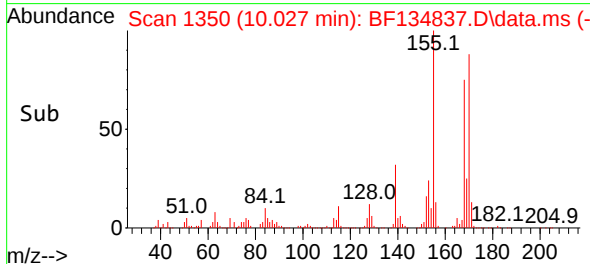
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB05-Z60-61



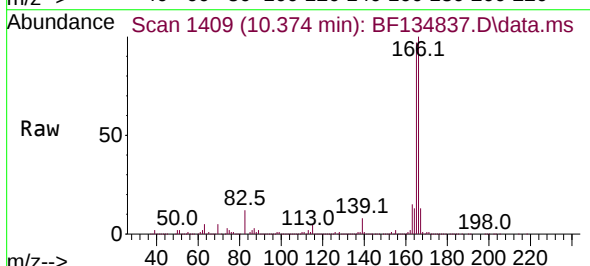
Tgt Ion:168 Resp: 6055
Ion Ratio Lower Upper
168 100
139 42.9 33.4 50.2
169 33.7 10.6 15.8

Manual Integrations
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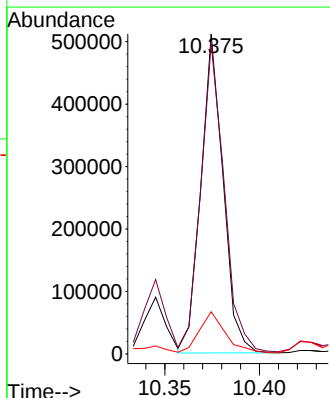
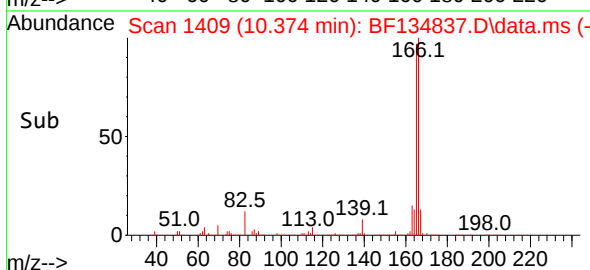
Reviewed By :Yogesh Patel 08/21/2023
Supervised By :mohammad ahmed 08/21/2023

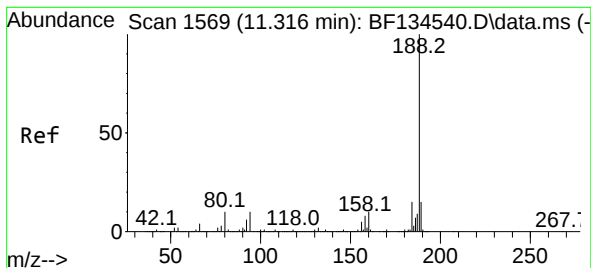


#58
Fluorene
Concen: 20.072 ng
RT: 10.374 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF134837.D
Acq: 18 Aug 2023 12:38



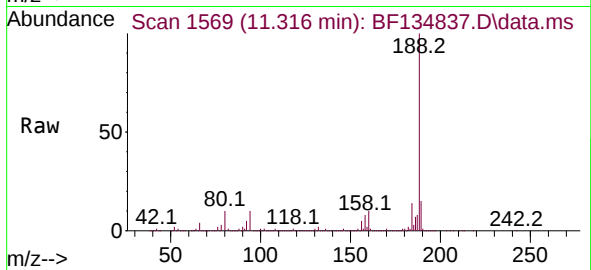
Tgt Ion:166 Resp: 417694
Ion Ratio Lower Upper
166 100
165 97.0 74.5 111.7
167 13.2 10.6 16.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF134837.D
Acq: 18 Aug 2023 12:38

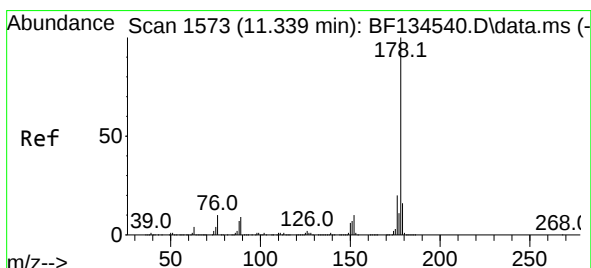
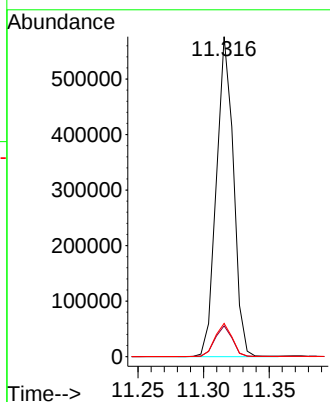
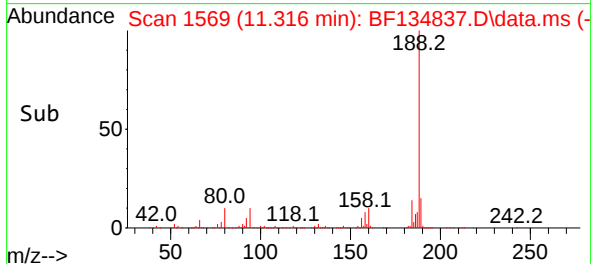
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB05-Z60-61



Tgt Ion:188 Resp: 522495
Ion Ratio Lower Upper
188 100
94 9.6 5.1 7.7
80 10.4 6.6 9.8

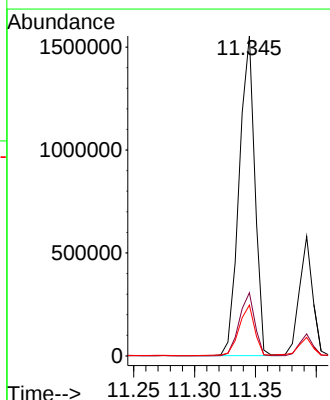
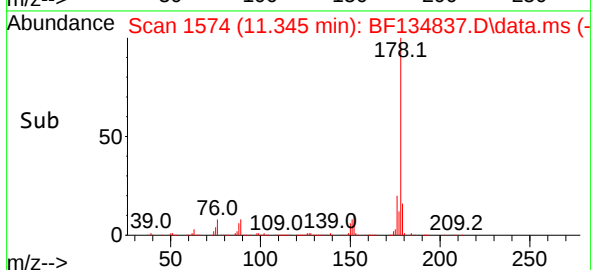
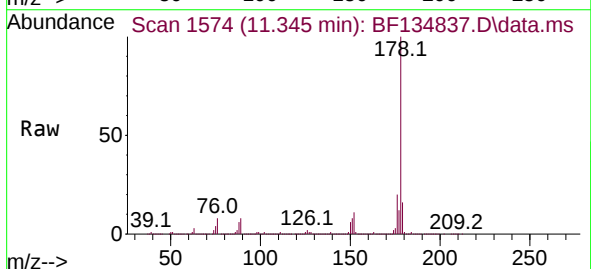
Manual Integrations
APPROVED

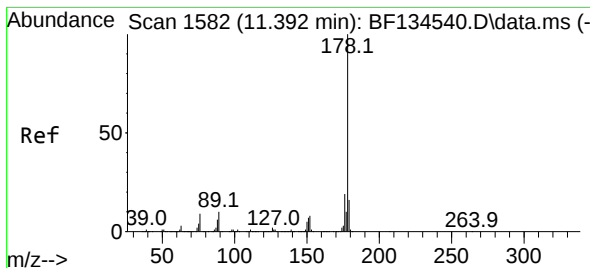
Reviewed By :Yogesh Patel 08/21/2023
Supervised By :mohammad ahmed 08/21/2023



#71
Phenanthrene
Concen: 50.047 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF134837.D
Acq: 18 Aug 2023 12:38

Tgt Ion:178 Resp: 1388962
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.6
179 15.9 12.7 19.1





#72

Anthracene

Concen: 15.195 ng

RT: 11.392 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134837.D

Acq: 18 Aug 2023 12:38

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB05-Z60-61

Tgt Ion:178 Resp: 430745

Ion Ratio Lower Upper

178 100

176 18.3 14.6 21.8

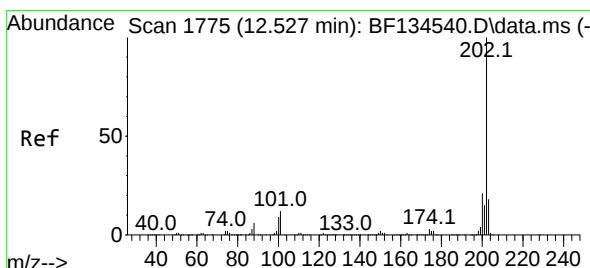
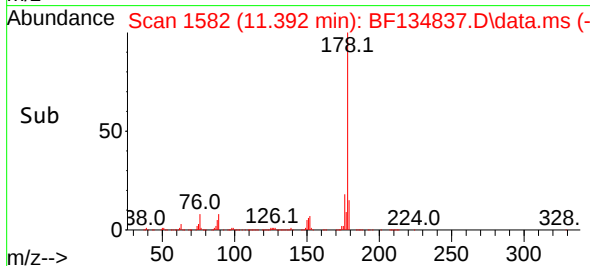
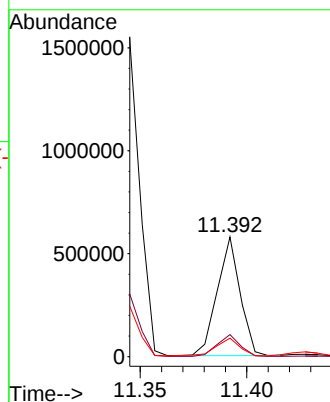
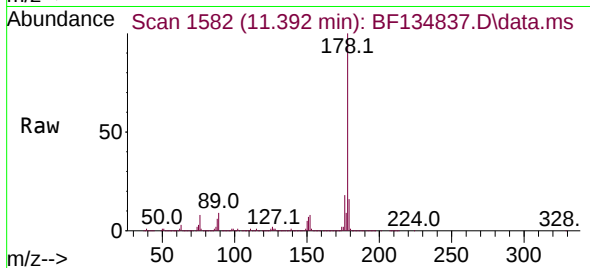
179 15.5 12.3 18.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2023

Supervised By :mohammad ahmed 08/21/2023



#75

Fluoranthene

Concen: 16.792 ng

RT: 12.533 min Scan# 1776

Delta R.T. -0.006 min

Lab File: BF134837.D

Acq: 18 Aug 2023 12:38

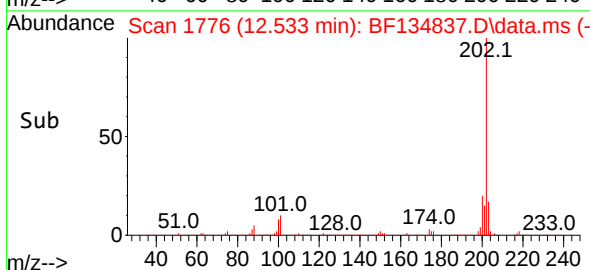
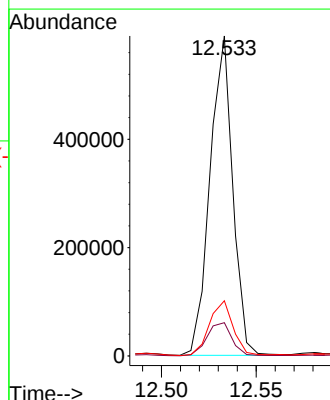
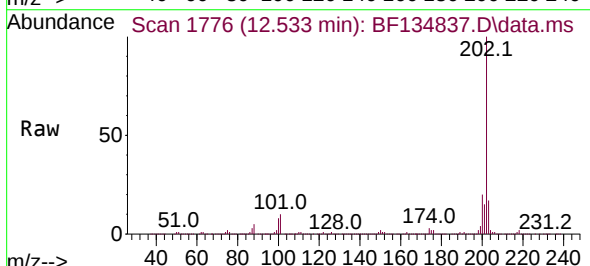
Tgt Ion:202 Resp: 492268

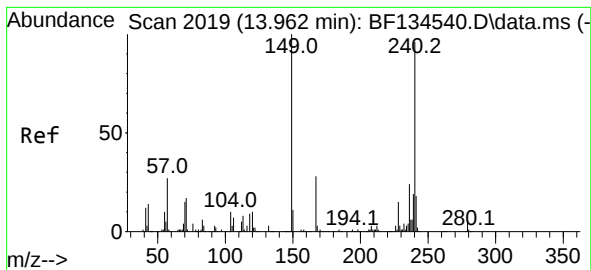
Ion Ratio Lower Upper

202 100

101 10.4 0.0 28.5

203 17.2 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 2019

Delta R.T. -0.012 min

Lab File: BF134837.D

Acq: 18 Aug 2023 12:38

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB05-Z60-61

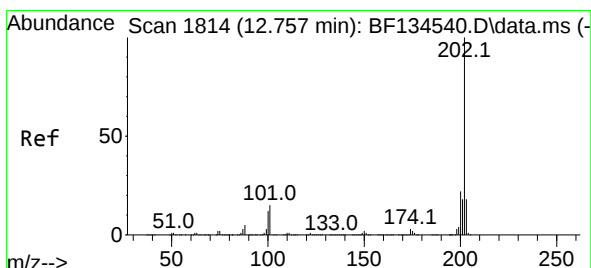
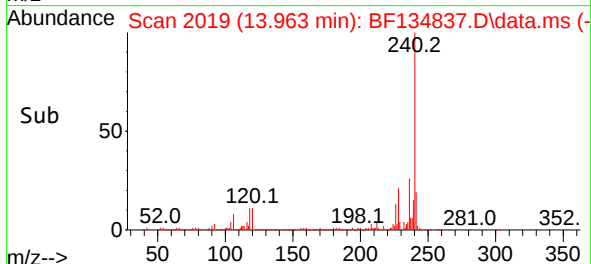
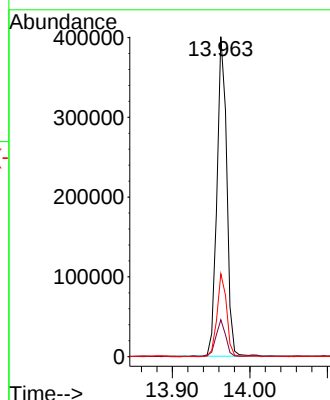
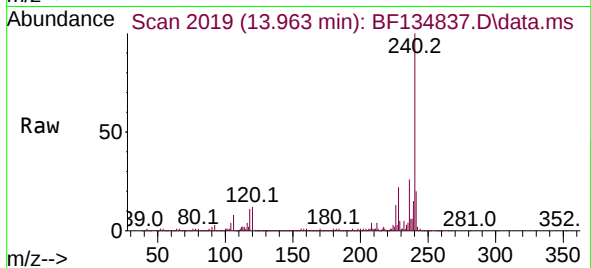
Tgt Ion:240 Resp: 351761
 Ion Ratio Lower Upper
 240 100
 120 11.5 6.6 10.0
 236 25.9 20.2 30.2

Manual Integrations

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Reviewed By :Yogesh Patel 08/21/2023

Supervised By :mohammad ahmed 08/21/2023



#78

Pyrene

Concen: 24.296 ng

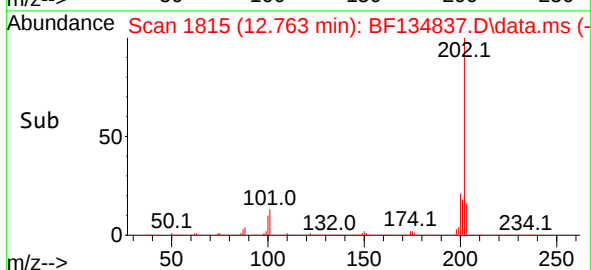
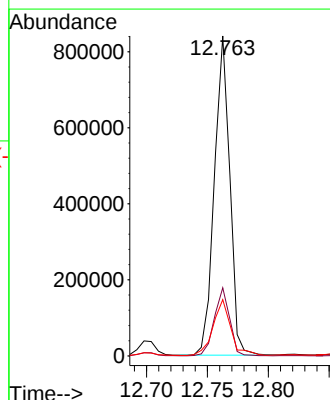
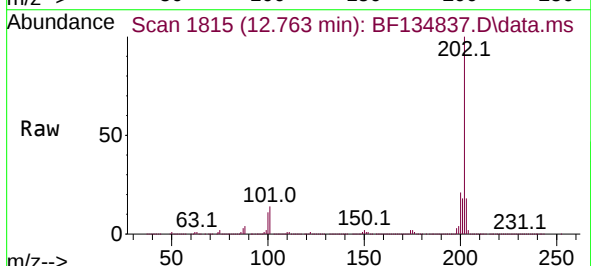
RT: 12.763 min Scan# 1815

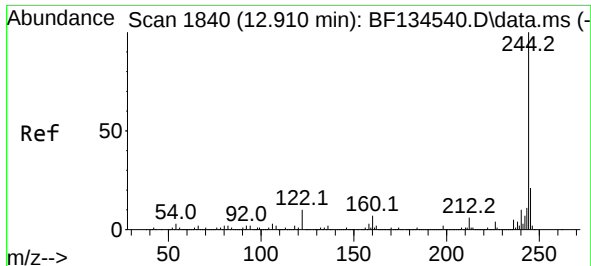
Delta R.T. -0.006 min

Lab File: BF134837.D

Acq: 18 Aug 2023 12:38

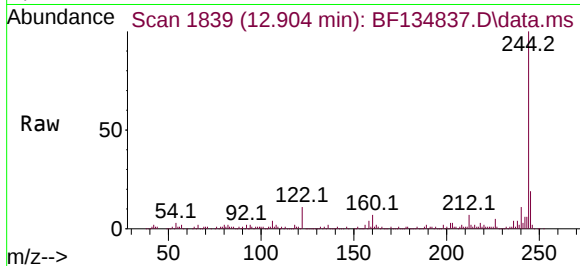
Tgt Ion:202 Resp: 739545
 Ion Ratio Lower Upper
 202 100
 200 21.3 15.8 23.8
 203 17.6 13.5 20.3





#79
 Terphenyl-d14
 Concen: 4.619 ng
 RT: 12.904 min Scan# 1840
 Delta R.T. -0.018 min
 Lab File: BF134837.D
 Acq: 18 Aug 2023 12:38

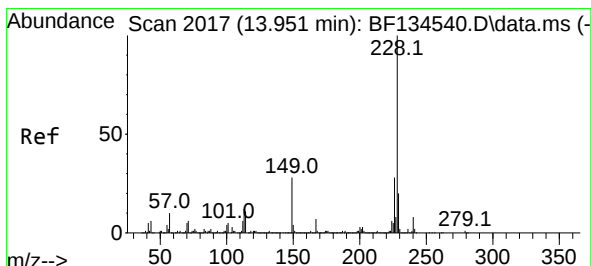
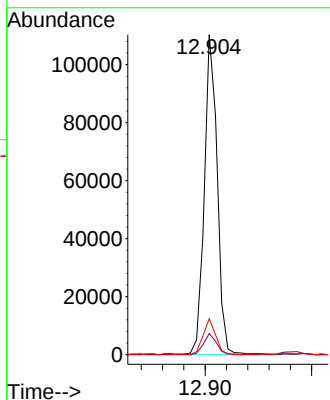
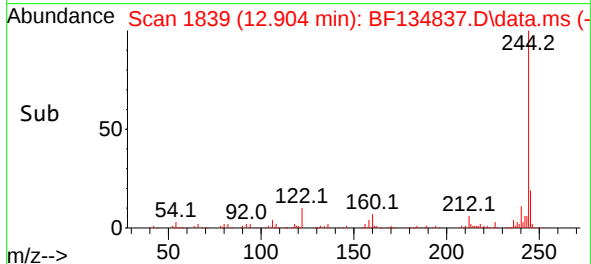
Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB05-Z60-61



Tgt Ion:244 Resp: 92163
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.6 8.4
 122 11.2 8.0 12.0

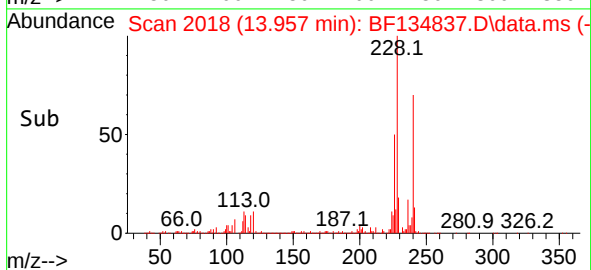
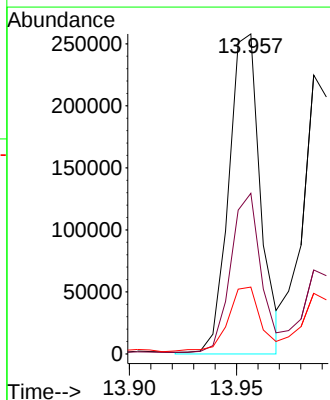
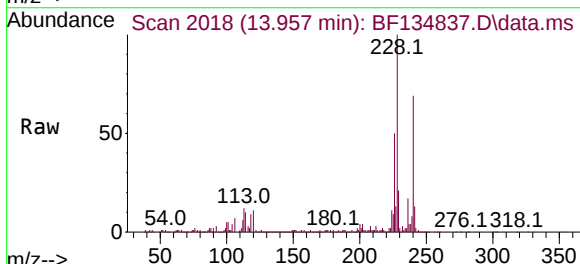
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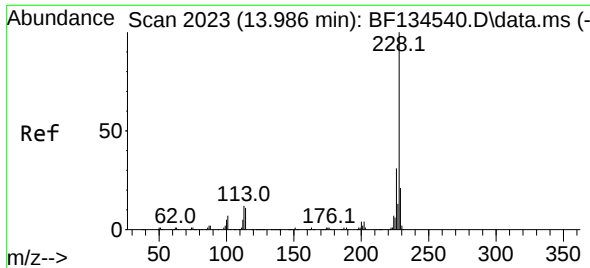
Reviewed By :Yogesh Patel 08/21/2023
 Supervised By :mohammad ahmed 08/21/2023



#81
 Benzo(a)anthracene
 Concen: 10.526 ng m
 RT: 13.957 min Scan# 2018
 Delta R.T. -0.006 min
 Lab File: BF134837.D
 Acq: 18 Aug 2023 12:38

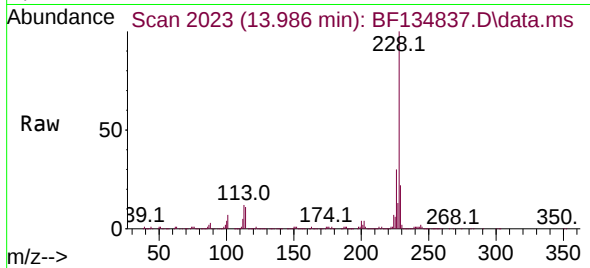
Tgt Ion:228 Resp: 264750
 Ion Ratio Lower Upper
 228 100
 226 50.2 22.3 33.5#
 229 20.9 15.8 23.6





#83
Chrysene
Concen: 9.200 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF134837.D
Acq: 18 Aug 2023 12:38

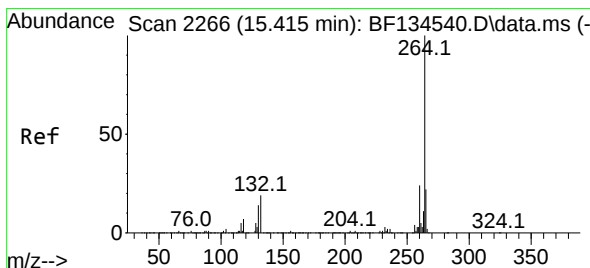
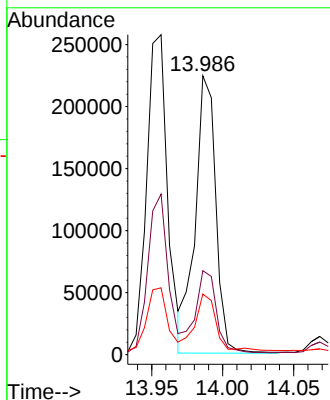
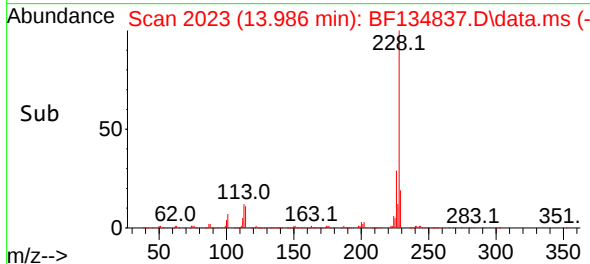
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB05-Z60-61



Tgt Ion:228 Resp: 225458
Ion Ratio Lower Upper
228 100
226 30.1 24.5 36.7
229 21.7 15.8 23.8

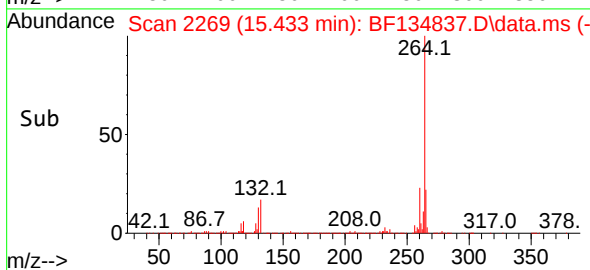
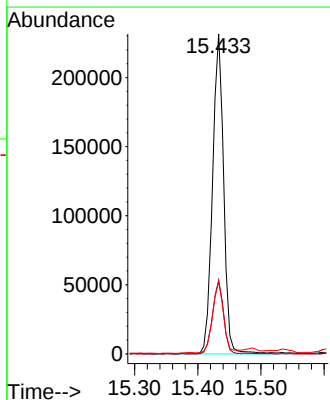
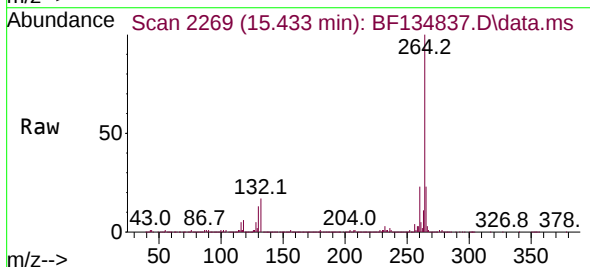
Manual Integrations
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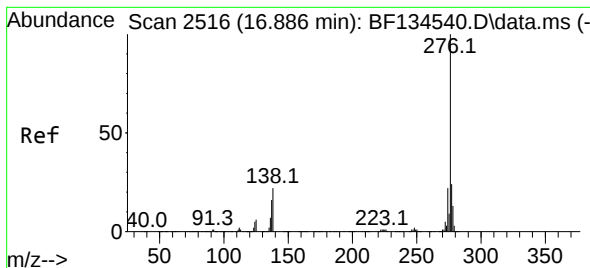
Reviewed By :Yogesh Patel 08/21/2023
Supervised By :mohammad ahmed 08/21/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF134837.D
Acq: 18 Aug 2023 12:38

Tgt Ion:264 Resp: 284328
Ion Ratio Lower Upper
264 100
260 23.2 18.4 27.6
265 22.6 15.8 23.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.432 ng

RT: 16.909 min Scan# 2196

Delta R.T. -0.018 min

Lab File: BF134837.D

Acq: 18 Aug 2023 12:38

Instrument :

BNA_F

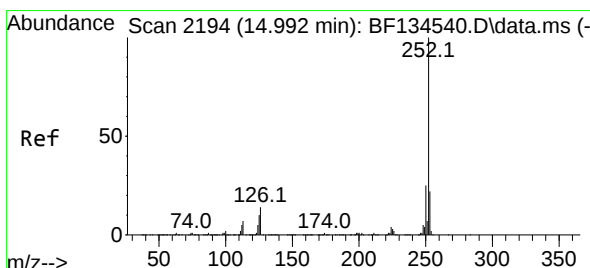
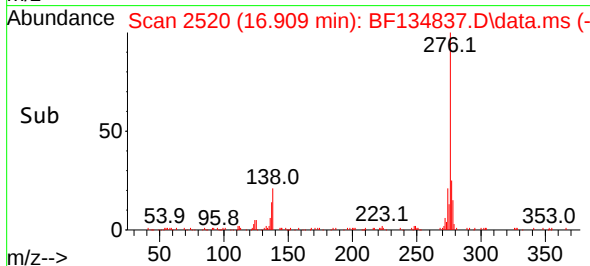
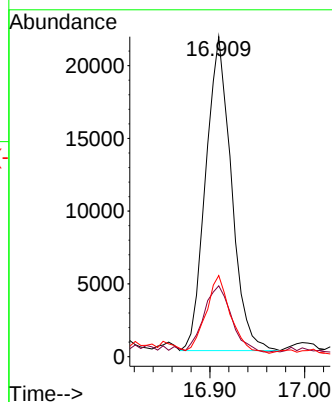
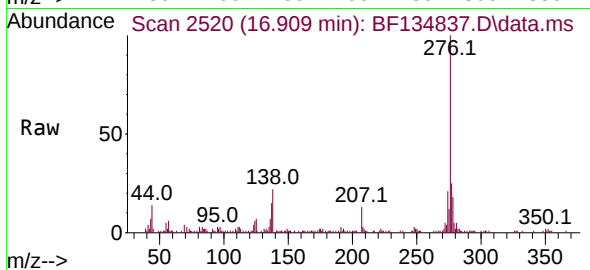
ClientSampleId :

NEVINS-SB05-Z60-61

Tgt Ion:276 Resp: 40662
 Ion Ratio Lower Upper
 276 100
 138 22.5 14.2 21.4
 277 23.8 19.9 29.9

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/21/2023
 Supervised By :mohammad ahmed 08/21/2023



#88

Benzo(b)fluoranthene

Concen: 8.249 ng m

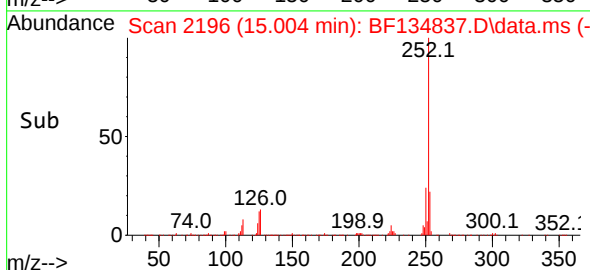
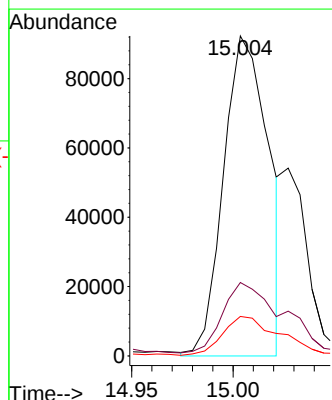
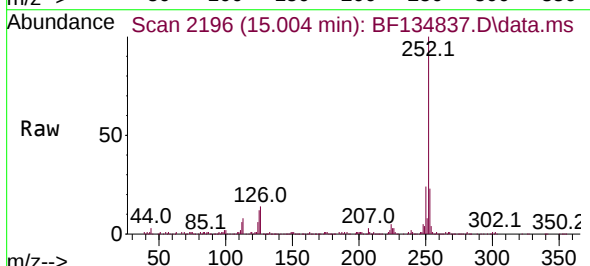
RT: 15.004 min Scan# 2196

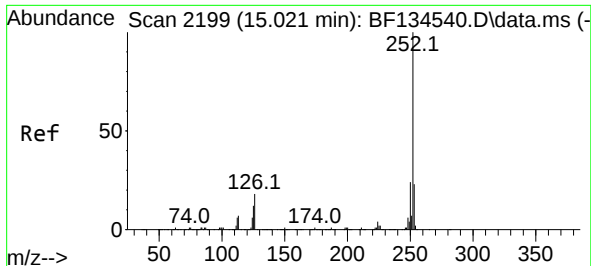
Delta R.T. -0.006 min

Lab File: BF134837.D

Acq: 18 Aug 2023 12:38

Tgt Ion:252 Resp: 143047
 Ion Ratio Lower Upper
 252 100
 253 22.9 17.3 25.9
 125 12.3 6.0 9.0





#89

Benzo(k)fluoranthene

Concen: 2.735 ng m

RT: 15.027 min Scan# 2199

Delta R.T. -0.012 min

Lab File: BF134837.D

Acq: 18 Aug 2023 12:38

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB05-Z60-61

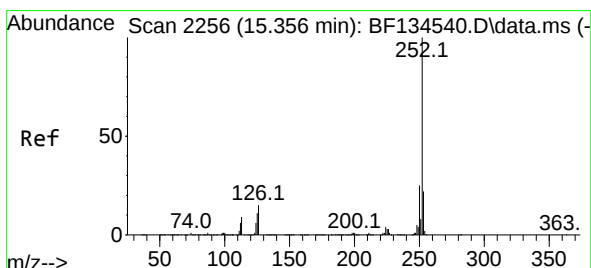
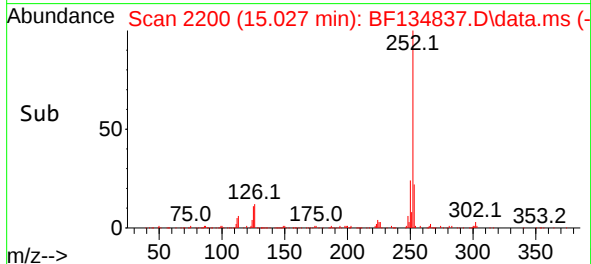
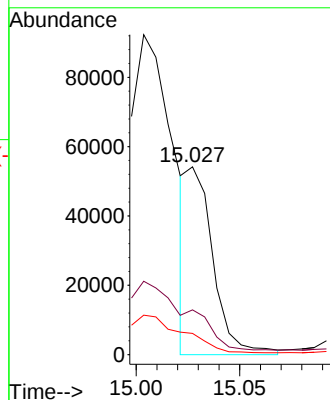
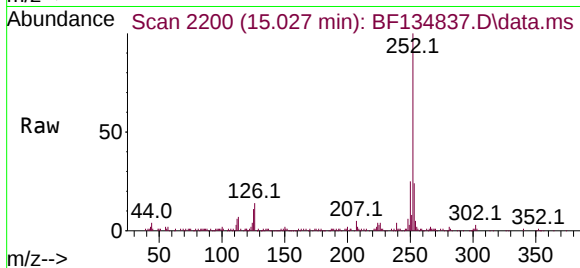
Tgt Ion:252 Resp: 47247
 Ion Ratio Lower Upper
 252 100
 253 23.8 17.9 26.9
 125 11.3 6.3 9.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2023

Supervised By :mohammad ahmed 08/21/2023



#90

Benzo(a)pyrene

Concen: 9.568 ng

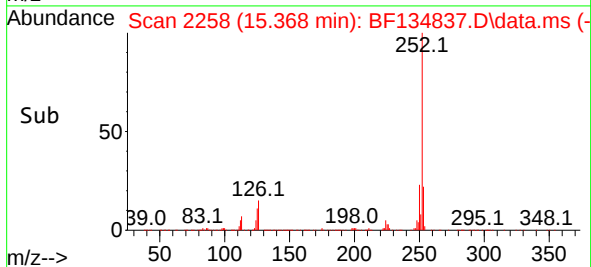
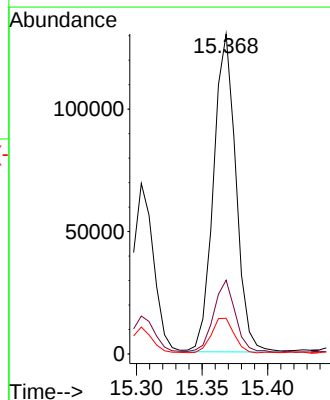
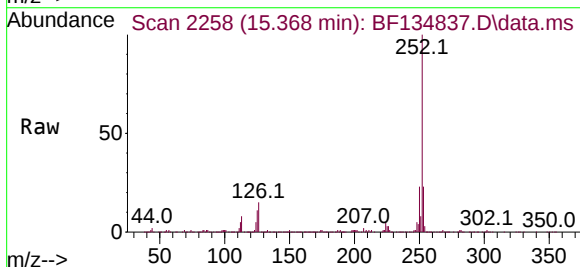
RT: 15.368 min Scan# 2258

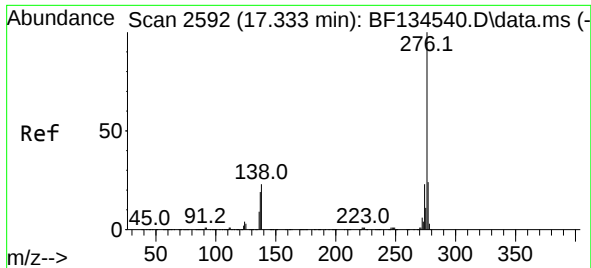
Delta R.T. -0.012 min

Lab File: BF134837.D

Acq: 18 Aug 2023 12:38

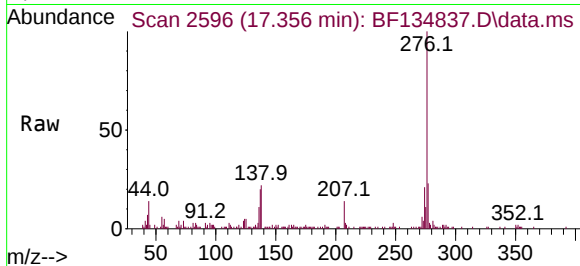
Tgt Ion:252 Resp: 154697
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.0 25.4
 125 11.1 6.2 9.4





#92
 Benzo(g,h,i)perylene
 Concen: 3.355 ng
 RT: 17.356 min Scan# 2596
 Delta R.T. -0.018 min
 Lab File: BF134837.D
 Acq: 18 Aug 2023 12:38

Instrument : BNA_F
 ClientSampleId : NEVINS-SB05-Z60-61



Tgt Ion: 276 Resp: 46249

Ion	Ratio	Lower	Upper
276	100		
277	22.7	19.0	28.6
138	22.5	12.2	18.2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/21/2023
 Supervised By :mohammad ahmed 08/21/2023

