

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081823\
 Data File : BF134853.D
 Acq On : 18 Aug 2023 21:56
 Operator : CG\JU
 Sample : 04075-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB05-Z113-114

Manual Integrations
 APPROVED

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

Quant Time: Aug 19 01:48:02 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	132328	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	506194	20.000	ng	#-0.01
39) Acenaphthene-d10	9.828	164	224369	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	303377	20.000	ng	# 0.00
76) Chrysene-d12	13.963	240	260437	20.000	ng	#-0.01
86) Perylene-d12	15.433	264	189986	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	700083	80.421	ng	0.00
7) Phenol-d6	6.428	99	876692	78.783	ng	-0.01
23) Nitrobenzene-d5	7.351	82	534375	65.972	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	158415	69.261	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	943596	69.925	ng	-0.02
79) Terphenyl-d14	12.910	244	747725	50.613	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.092	128	1562403	61.414	ng	99
37) 2-Methylnaphthalene	8.786	142	591689	35.088	ng	99
38) 1-Methylnaphthalene	8.886	142	860313	54.865	ng	97
46) 1,1'-Biphenyl	9.245	154	219163	12.561	ng	98
49) Acenaphthylene	9.686	152	893256	43.467	ng	98
52) Acenaphthene	9.857	154	120071	9.016	ng	99
55) Dibenzofuran	10.028	168	64951	3.426	ng	# 85
58) Fluorene	10.375	166	359584	26.040	ng	97
71) Phenanthrene	11.345	178	1363972	84.644	ng	100
72) Anthracene	11.392	178	415286	25.230	ng	100
75) Fluoranthene	12.533	202	504700	29.651	ng	97
78) Pyrene	12.763	202	769560	34.148	ng	98
81) Benzo(a)anthracene	13.957	228	300248m	16.123	ng	
83) Chrysene	13.992	228	271124	14.944	ng	98
87) Indeno(1,2,3-cd)pyrene	16.915	276	33506	2.999	ng	# 93
88) Benzo(b)fluoranthene	15.004	252	120162m	10.370	ng	
89) Benzo(k)fluoranthene	15.027	252	43099m	3.734	ng	
90) Benzo(a)pyrene	15.368	252	127055	11.760	ng	# 93
92) Benzo(g,h,i)perylene	17.362	276	38302	4.158	ng	# 91

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

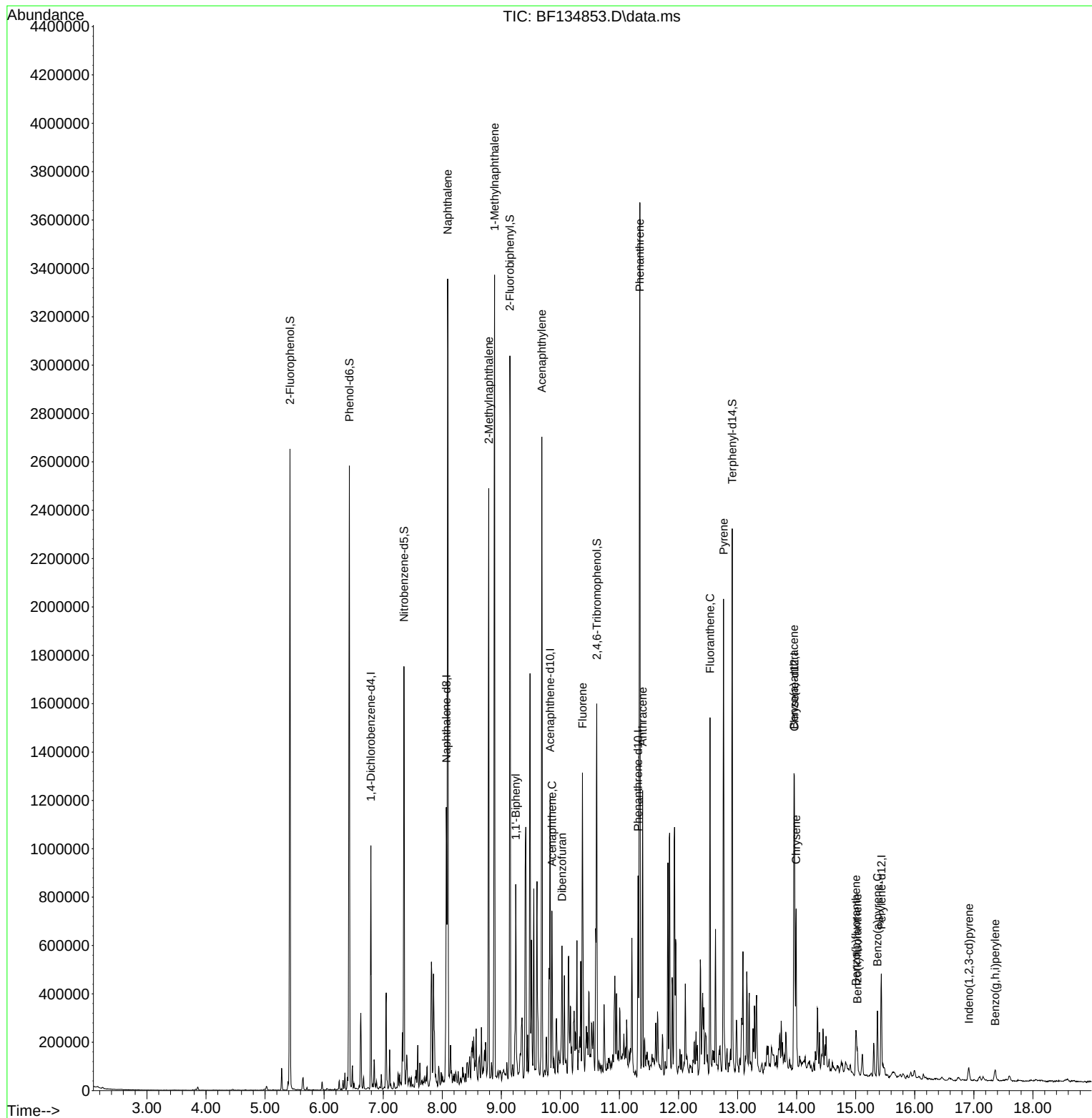
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081823\
Data File : BF134853.D
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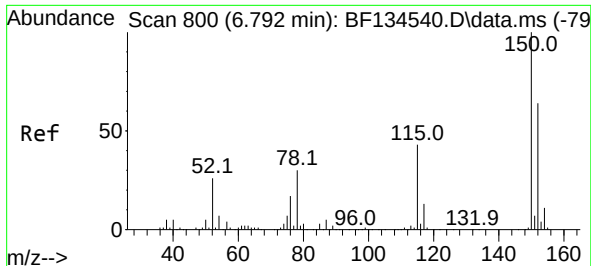
Instrument :
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Quant Time: Aug 19 01:48:02 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
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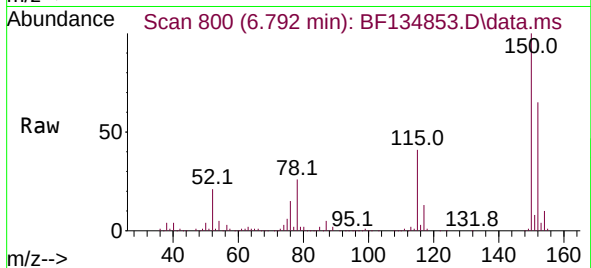
Reviewed By :Yogesh Patel 08/21/2023
Supervised By :mohammad ahmed 08/21/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF134853.D
Acq: 18 Aug 2023 21:56

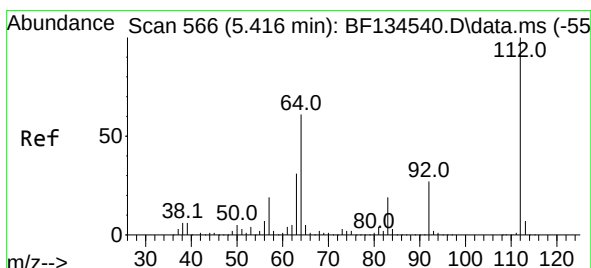
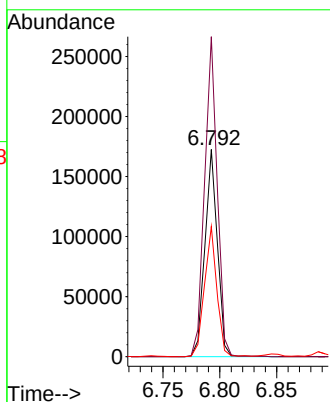
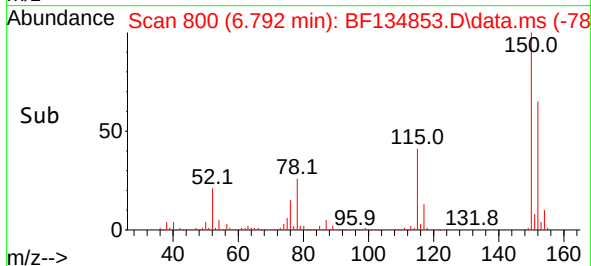
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB05-Z113-114



Tgt Ion:152 Resp: 132328
Ion Ratio Lower Upper
152 100
150 154.5 128.3 192.5
115 62.8 52.4 78.6

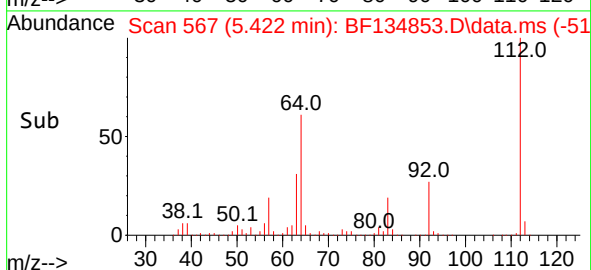
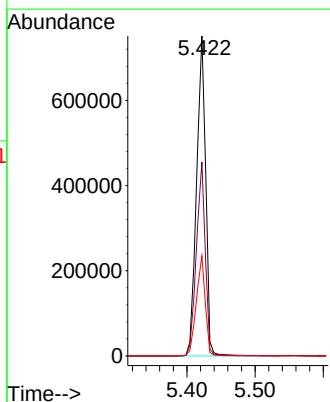
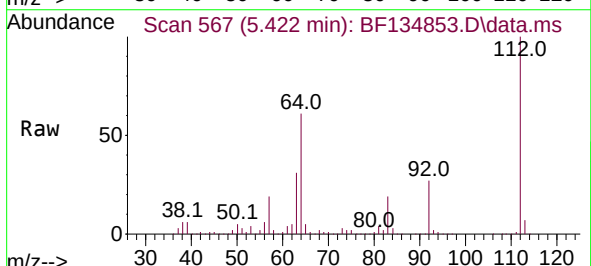
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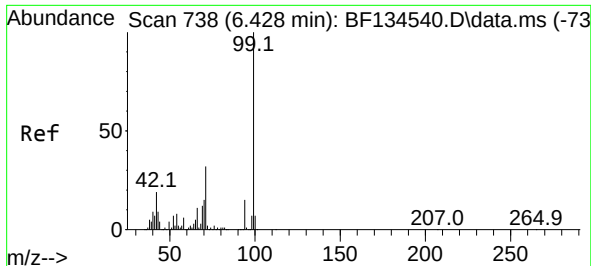
Reviewed By :Yogesh Patel 08/21/2023
Supervised By :mohammad ahmed 08/21/2023



#5
2-Fluorophenol
Concen: 80.421 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF134853.D
Acq: 18 Aug 2023 21:56

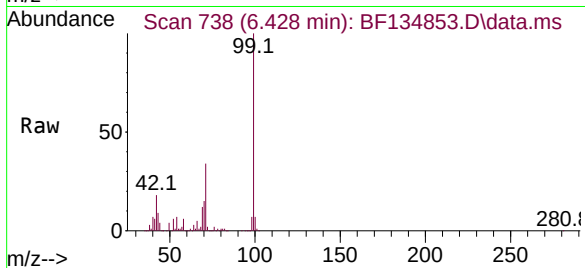
Tgt Ion:112 Resp: 700083
Ion Ratio Lower Upper
112 100
64 60.6 44.9 67.3
63 31.3 25.4 38.0





#7
Phenol-d6
Concen: 78.783 ng
RT: 6.428 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF134853.D
Acq: 18 Aug 2023 21:56

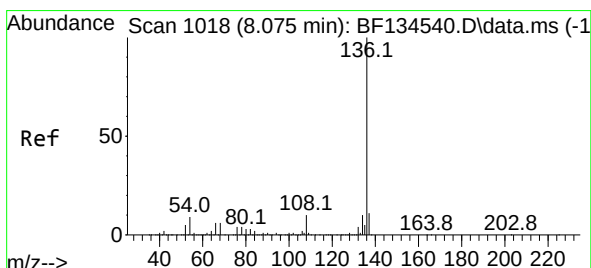
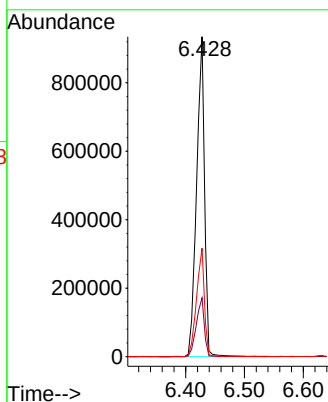
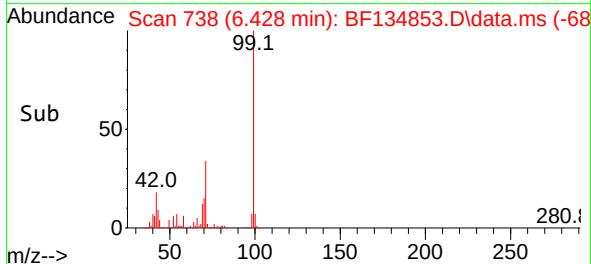
Instrument :
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ClientSampleId :
NEVINS-SB05-Z113-114



Tgt Ion: 99 Resp: 876692
Ion Ratio Lower Upper
99 100
42 18.4 18.7 28.1#
71 33.9 36.4 54.6#

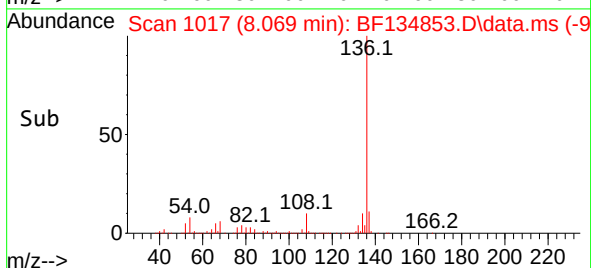
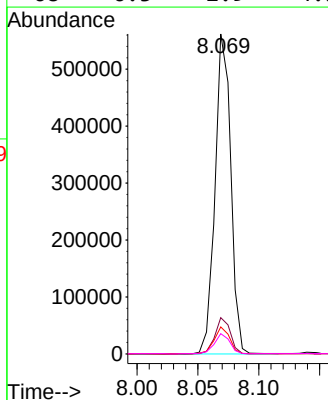
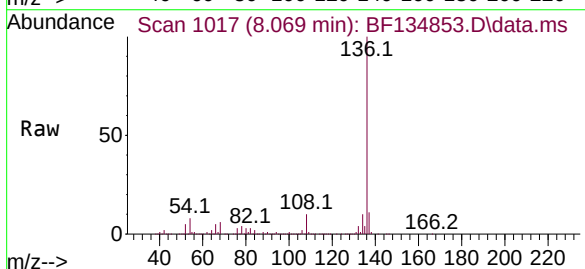
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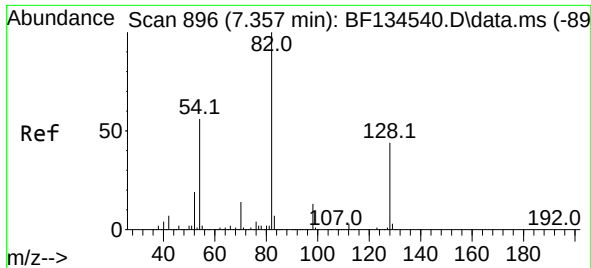
Reviewed By :Yogesh Patel 08/21/2023
Supervised By :mohammad ahmed 08/21/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF134853.D
Acq: 18 Aug 2023 21:56

Tgt Ion:136 Resp: 506194
Ion Ratio Lower Upper
136 100
137 11.3 8.4 12.6
54 8.5 5.2 7.8#
68 6.3 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 65.972 ng

RT: 7.351 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF134853.D

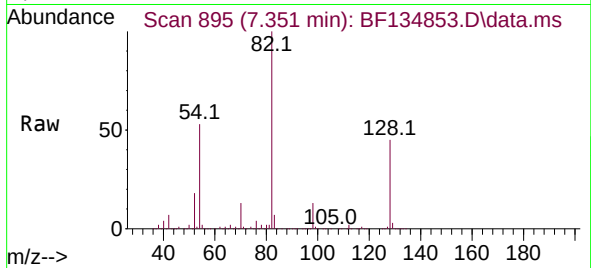
Acq: 18 Aug 2023 21:56

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB05-Z113-114



Tgt Ion: 82 Resp: 534375

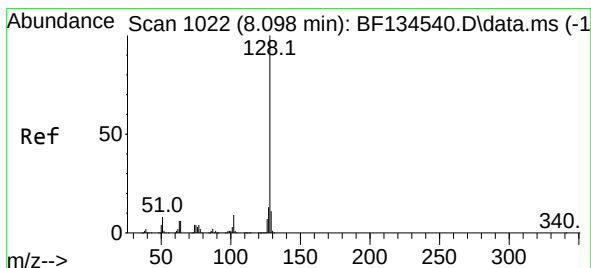
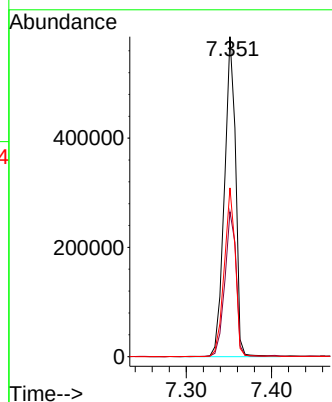
Ion	Ratio	Lower	Upper
82	100		
128	45.3	34.3	51.5
54	52.7	43.8	65.6

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Reviewed By :Yogesh Patel 08/21/2023

Supervised By :mohammad ahmed 08/21/2023



#31

Naphthalene

Concen: 61.414 ng

RT: 8.092 min Scan# 1021

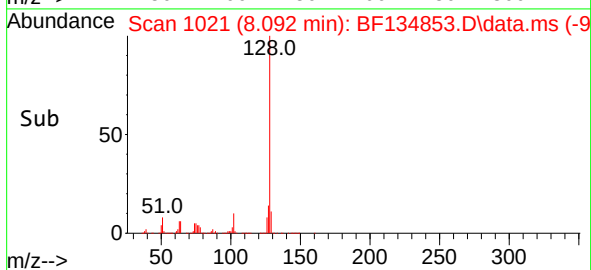
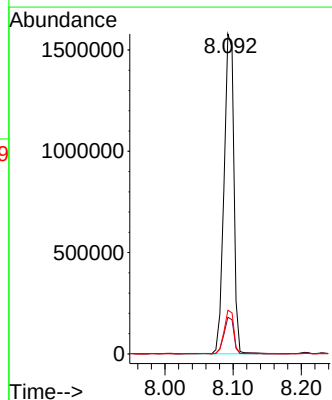
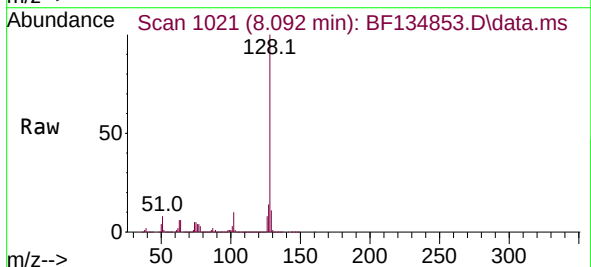
Delta R.T. -0.012 min

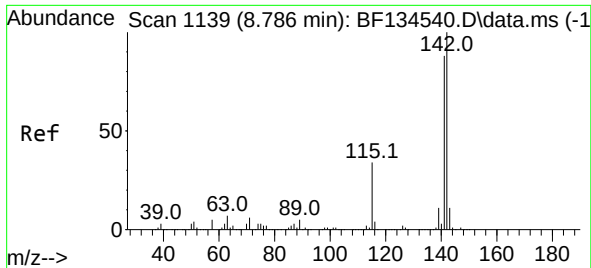
Lab File: BF134853.D

Acq: 18 Aug 2023 21:56

Tgt Ion:128 Resp: 1562403

Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.4	12.6
127	13.6	10.7	16.1





#37

2-Methylnaphthalene

Concen: 35.088 ng

RT: 8.786 min Scan# 1139

Delta R.T. -0.006 min

Lab File: BF134853.D

Acq: 18 Aug 2023 21:56

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB05-Z113-114

Tgt Ion:142 Resp: 591689

Ion Ratio Lower Upper

142 100

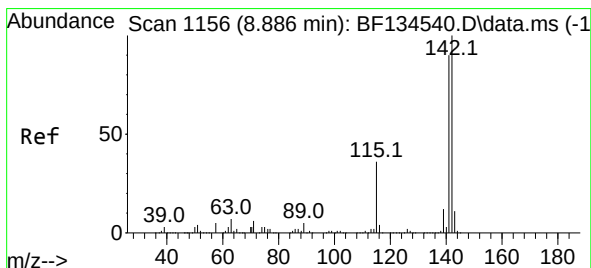
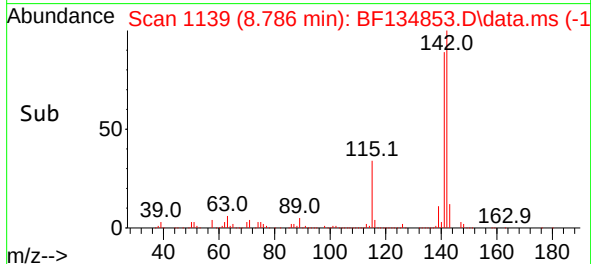
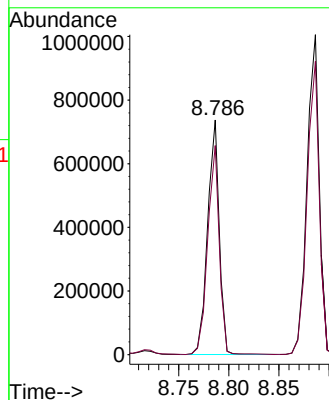
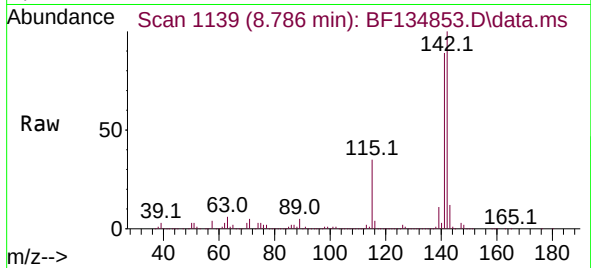
141 89.1 70.8 106.2

Manual Integrations

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Reviewed By :Yogesh Patel 08/21/2023

Supervised By :mohammad ahmed 08/21/2023



#38

1-Methylnaphthalene

Concen: 54.865 ng

RT: 8.886 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BF134853.D

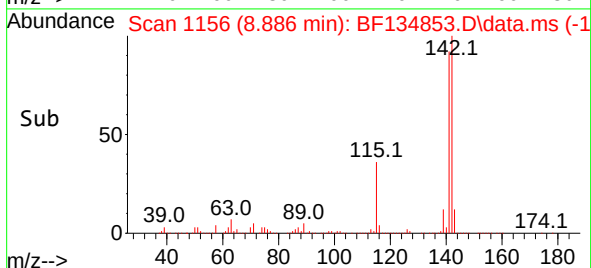
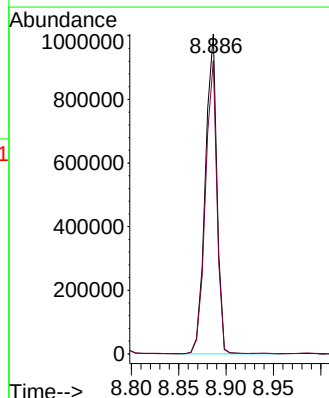
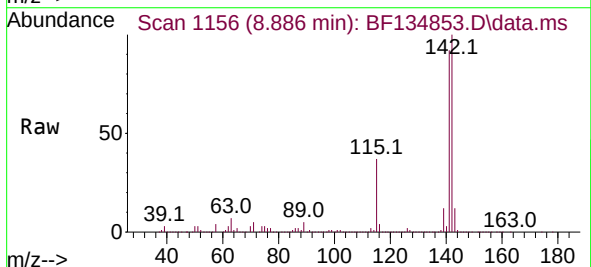
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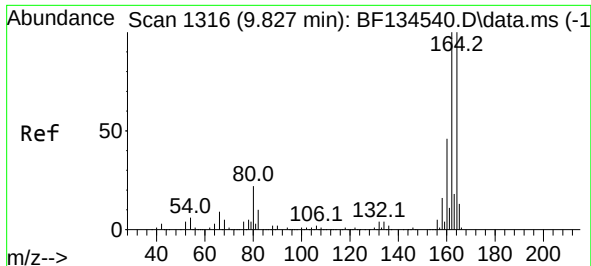
Tgt Ion:142 Resp: 860313

Ion Ratio Lower Upper

142 100

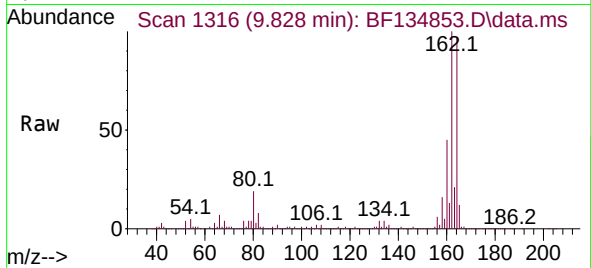
141 91.6 71.4 107.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF134853.D
Acq: 18 Aug 2023 21:56

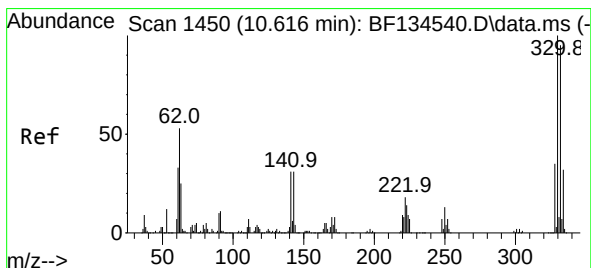
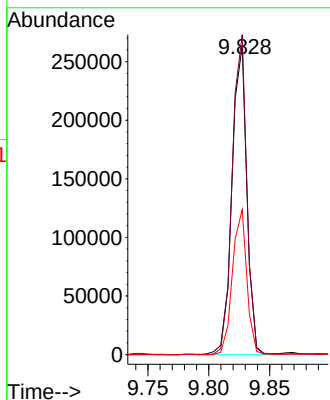
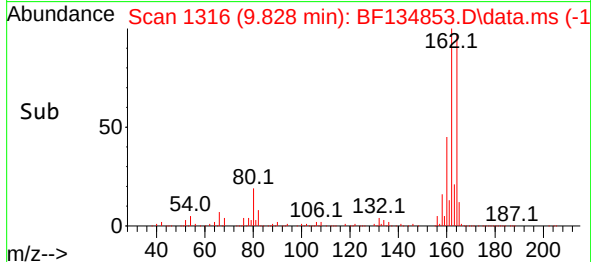
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB05-Z113-114



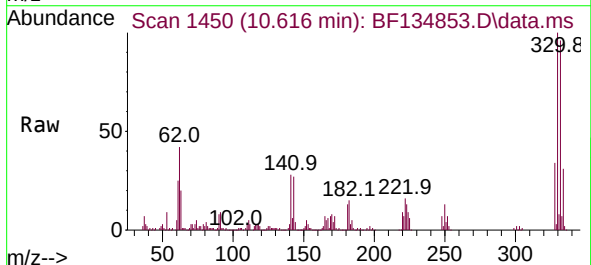
Tgt Ion:164 Resp: 224369
Ion Ratio Lower Upper
164 100
162 103.6 82.6 123.8
160 47.0 37.2 55.8

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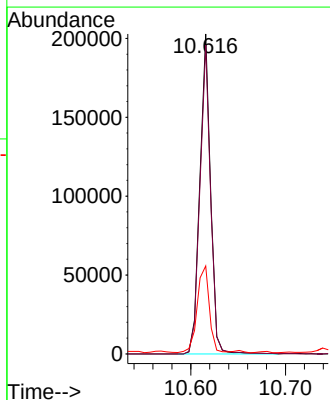
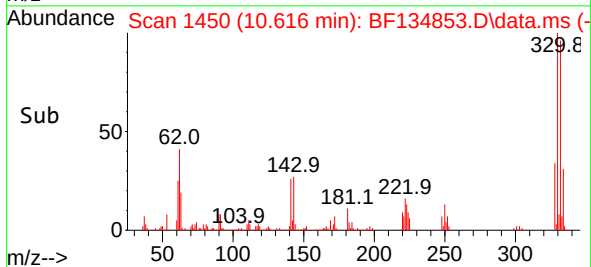
Reviewed By :Yogesh Patel 08/21/2023
Supervised By :mohammad ahmed 08/21/2023

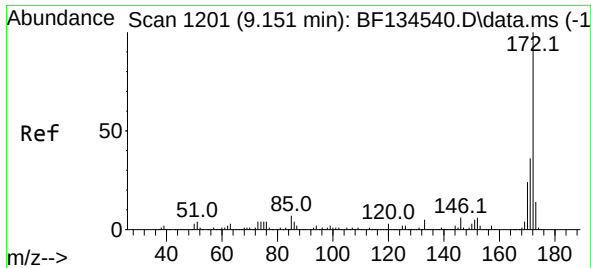


#42
2,4,6-Tribromophenol
Concen: 69.261 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF134853.D
Acq: 18 Aug 2023 21:56



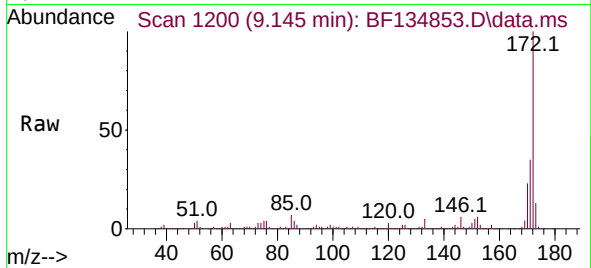
Tgt Ion:330 Resp: 158415
Ion Ratio Lower Upper
330 100
332 96.7 78.8 118.2
141 30.6 25.4 38.2





#45
2-Fluorobiphenyl
Concen: 69.925 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.018 min
Lab File: BF134853.D
Acq: 18 Aug 2023 21:56

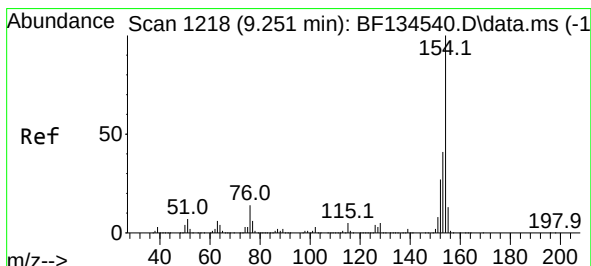
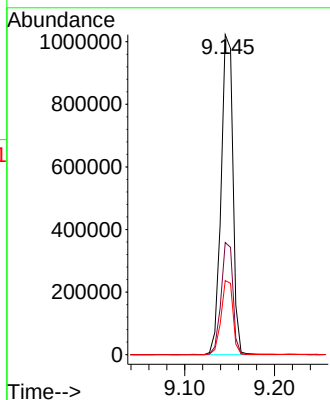
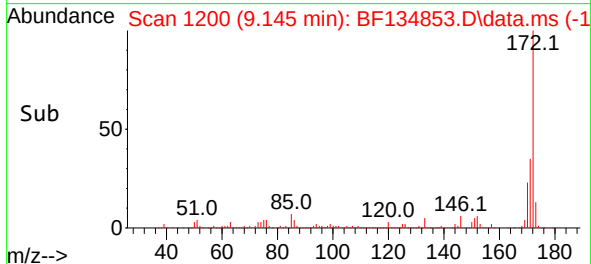
Instrument :
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ClientSampleId :
NEVINS-SB05-Z113-114



Tgt Ion:172 Resp: 943596
Ion Ratio Lower Upper
172 100
171 35.0 28.8 43.2
170 23.1 18.7 28.1

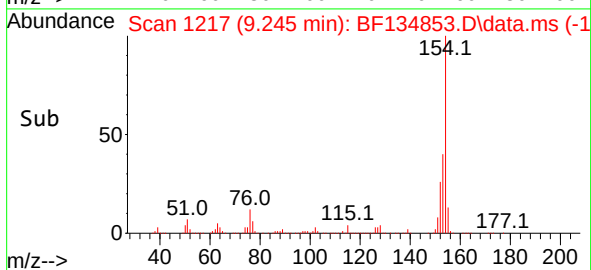
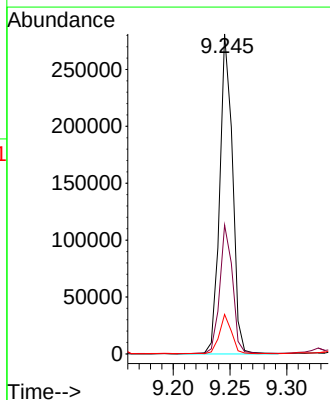
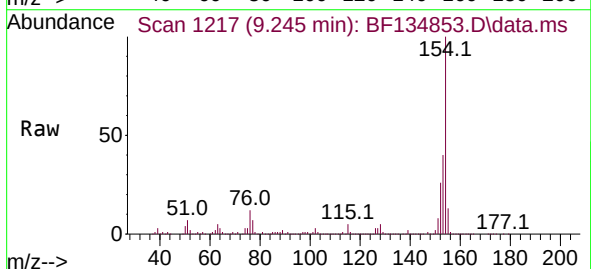
Manual Integrations
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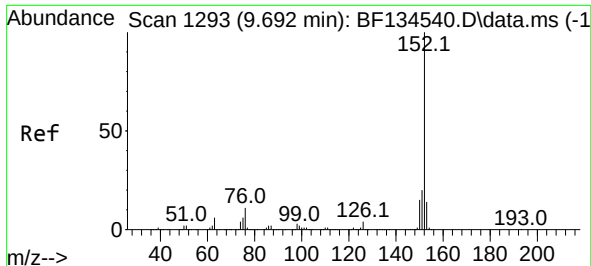
Reviewed By :Yogesh Patel 08/21/2023
Supervised By :mohammad ahmed 08/21/2023



#46
1,1'-Biphenyl
Concen: 12.561 ng
RT: 9.245 min Scan# 1217
Delta R.T. -0.018 min
Lab File: BF134853.D
Acq: 18 Aug 2023 21:56

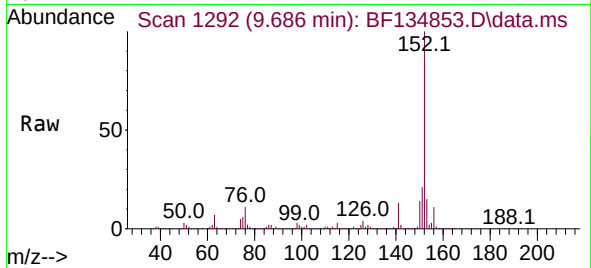
Tgt Ion:154 Resp: 219163
Ion Ratio Lower Upper
154 100
153 40.3 20.8 60.8
76 12.3 0.0 30.2





#49
Acenaphthylene
Concen: 43.467 ng
RT: 9.686 min Scan# 1292
Delta R.T. -0.012 min
Lab File: BF134853.D
Acq: 18 Aug 2023 21:56

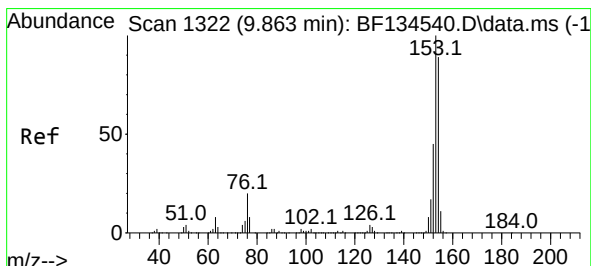
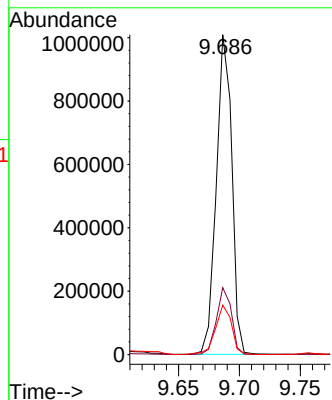
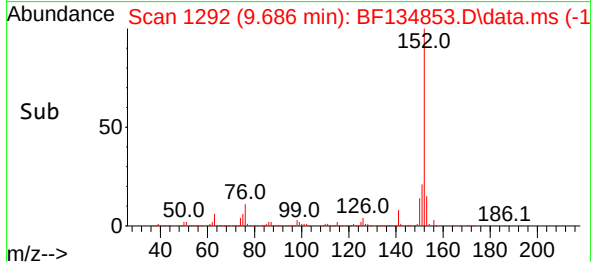
Instrument :
BNA_F
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NEVINS-SB05-Z113-114



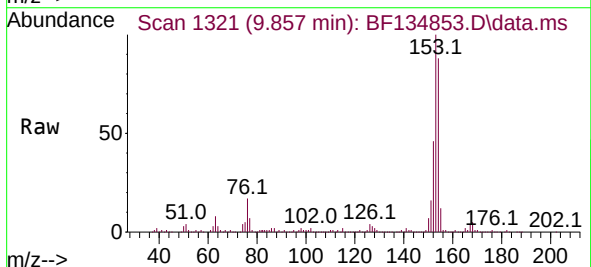
Tgt Ion:152 Resp: 893256
Ion Ratio Lower Upper
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151 20.9 16.4 24.6
153 15.5 10.9 16.3

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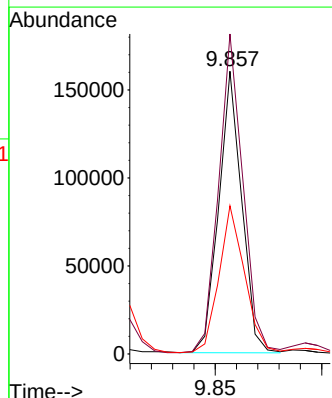
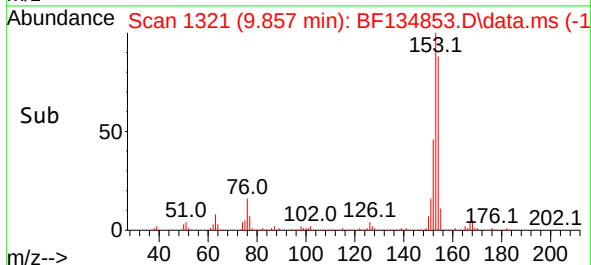
Reviewed By :Yogesh Patel 08/21/2023
Supervised By :mohammad ahmed 08/21/2023

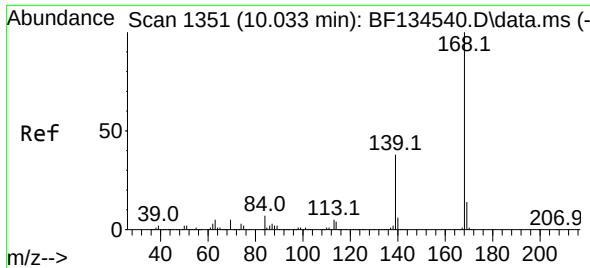


#52
Acenaphthene
Concen: 9.016 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.018 min
Lab File: BF134853.D
Acq: 18 Aug 2023 21:56



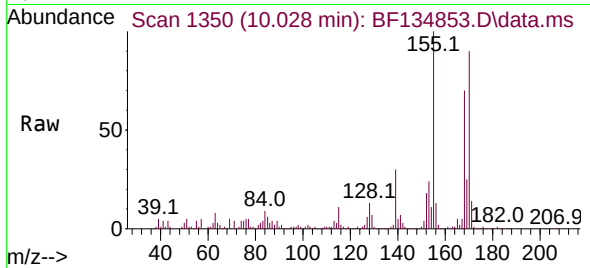
Tgt Ion:154 Resp: 120071
Ion Ratio Lower Upper
154 100
153 113.2 90.0 135.0
152 52.4 42.4 63.6





#55
Dibenzenofuran
Concen: 3.426 ng
RT: 10.028 min Scan# 1351
Delta R.T. -0.018 min
Lab File: BF134853.D
Acq: 18 Aug 2023 21:56

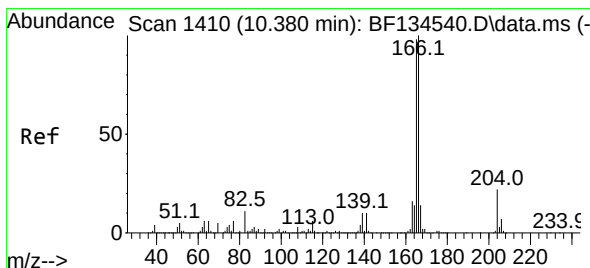
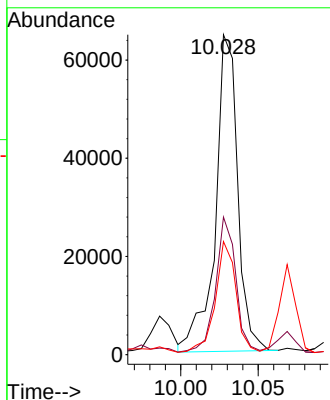
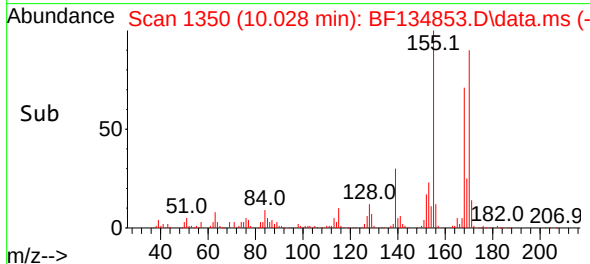
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB05-Z113-114



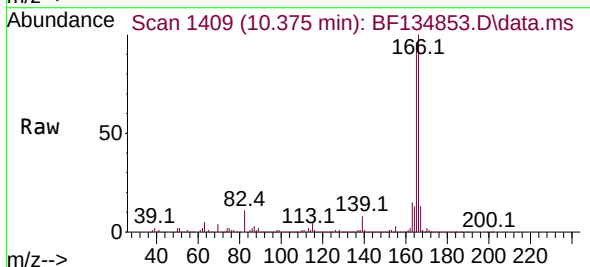
Tgt Ion:168 Resp: 6495
Ion Ratio Lower Upper
168 100
139 43.0 33.4 50.2
169 35.3 10.6 15.8

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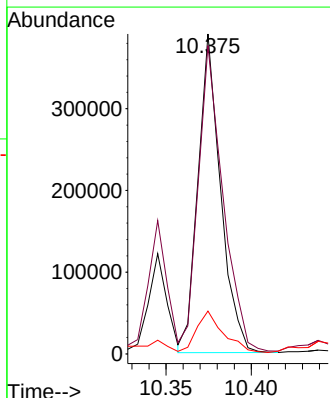
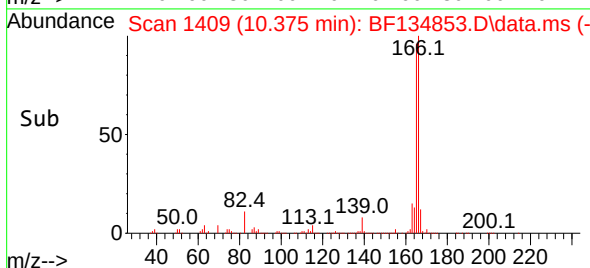
Reviewed By :Yogesh Patel 08/21/2023
Supervised By :mohammad ahmed 08/21/2023

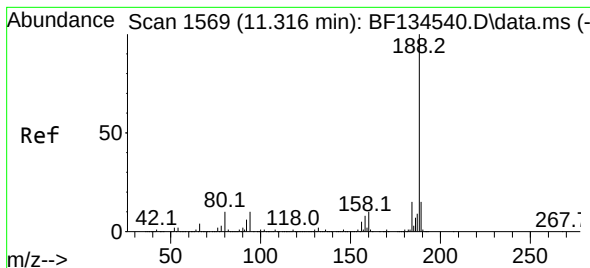


#58
Fluorene
Concen: 26.040 ng
RT: 10.375 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF134853.D
Acq: 18 Aug 2023 21:56



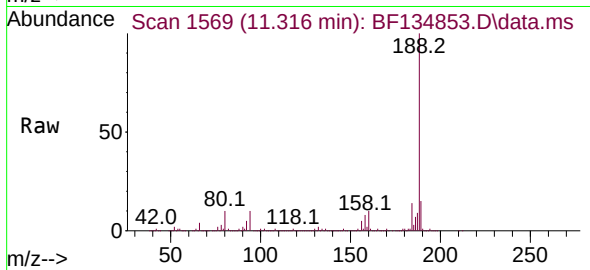
Tgt Ion:166 Resp: 359584
Ion Ratio Lower Upper
166 100
165 96.4 74.5 111.7
167 13.4 10.6 16.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF134853.D
Acq: 18 Aug 2023 21:56

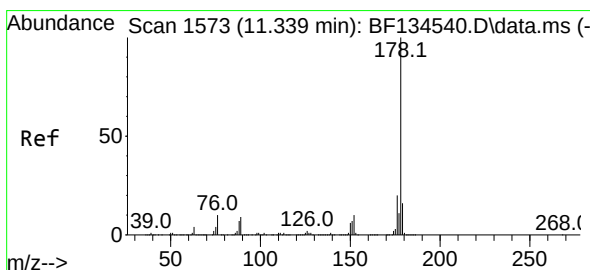
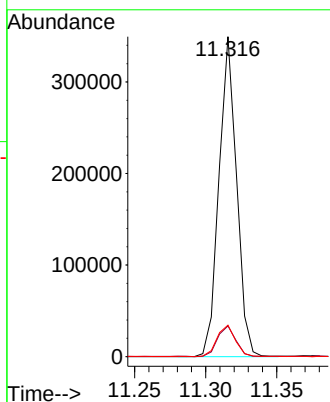
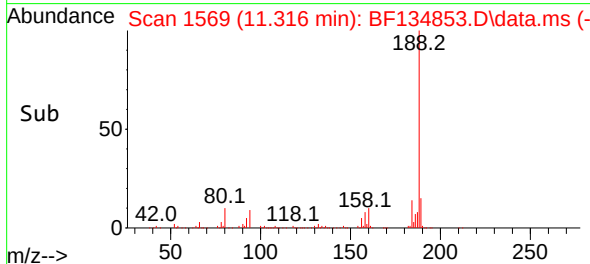
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB05-Z113-114



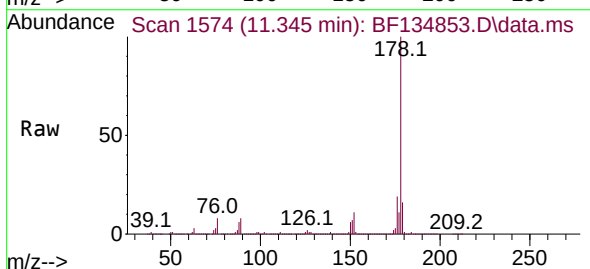
Tgt Ion:188 Resp: 303372
Ion Ratio Lower Upper
188 100
94 9.6 5.1 7.7
80 9.8 6.6 9.8

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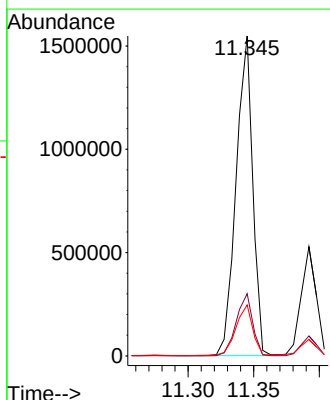
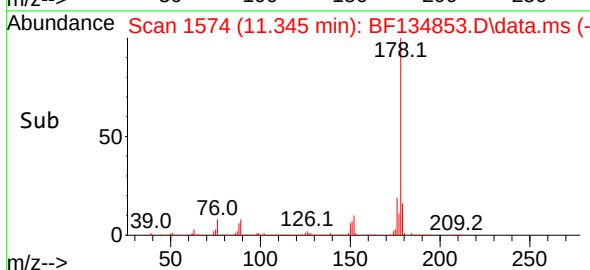
Reviewed By :Yogesh Patel 08/21/2023
Supervised By :mohammad ahmed 08/21/2023

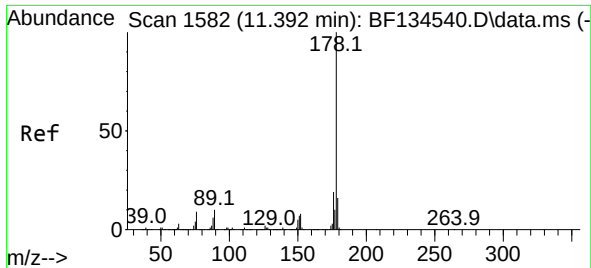


#71
Phenanthrene
Concen: 84.644 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF134853.D
Acq: 18 Aug 2023 21:56



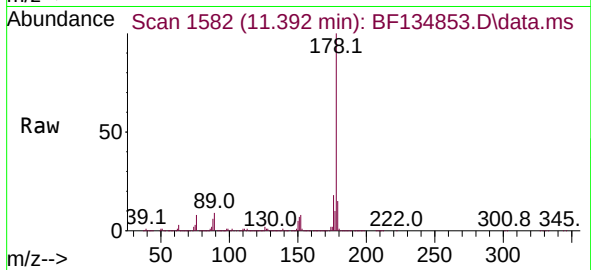
Tgt Ion:178 Resp: 1363972
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.6
179 15.9 12.7 19.1





#72
 Anthracene
 Concen: 25.230 ng
 RT: 11.392 min Scan# 1582
 Delta R.T. -0.012 min
 Lab File: BF134853.D
 Acq: 18 Aug 2023 21:56

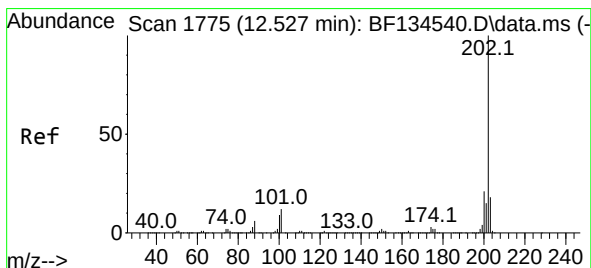
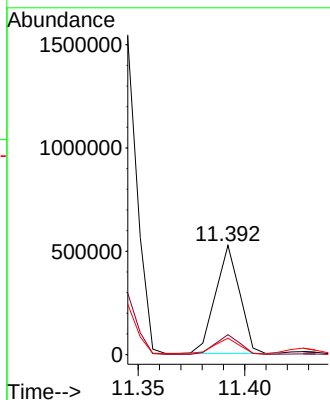
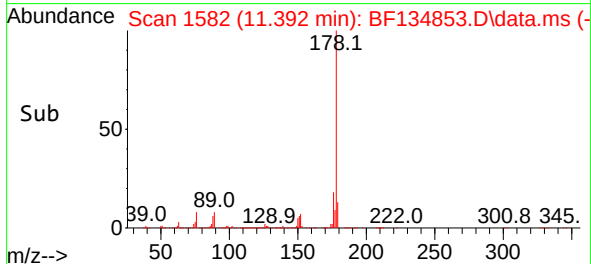
Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB05-Z113-114



Tgt Ion:178 Resp: 415286
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.6 21.8
 179 15.1 12.3 18.5

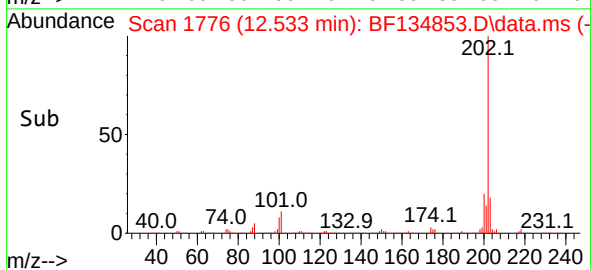
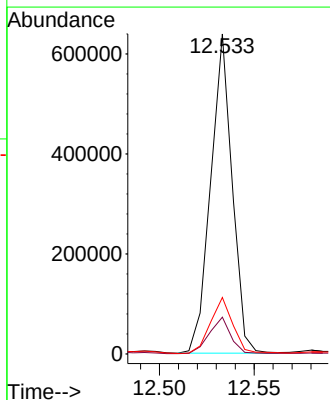
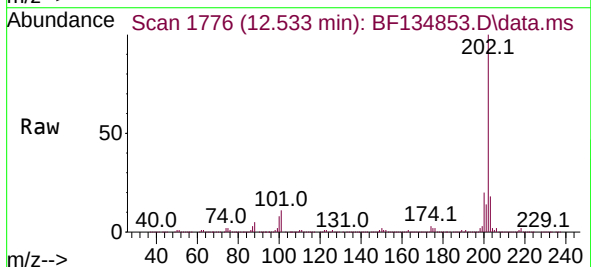
Manual Integrations
 APPROVED

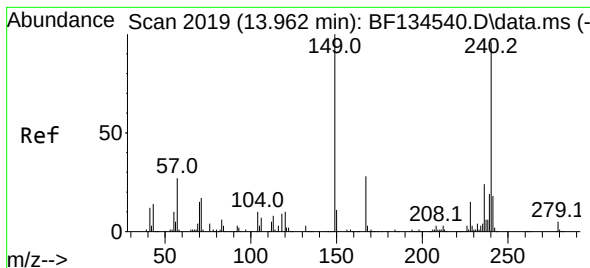
Reviewed By :Yogesh Patel 08/21/2023
 Supervised By :mohammad ahmed 08/21/2023



#75
 Fluoranthene
 Concen: 29.651 ng
 RT: 12.533 min Scan# 1776
 Delta R.T. -0.006 min
 Lab File: BF134853.D
 Acq: 18 Aug 2023 21:56

Tgt Ion:202 Resp: 504700
 Ion Ratio Lower Upper
 202 100
 101 11.5 0.0 28.5
 203 17.6 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: BF134853.D

Acq: 18 Aug 2023 21:56

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB05-Z113-114

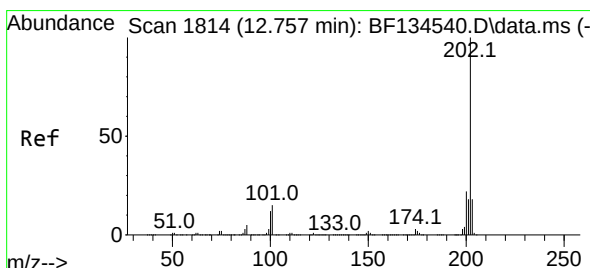
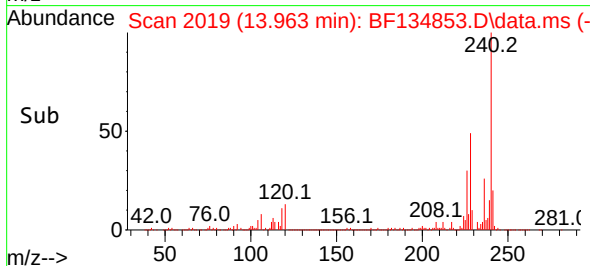
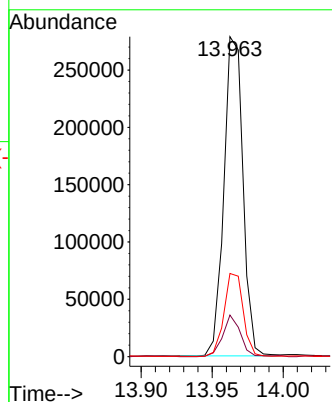
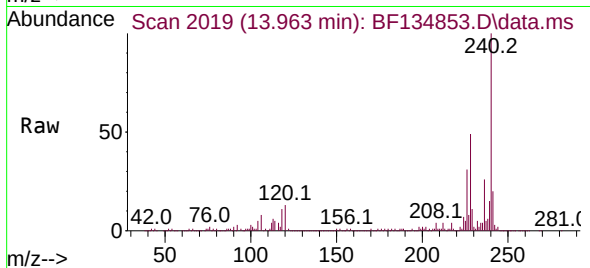
Tgt Ion:240 Resp: 260437
 Ion Ratio Lower Upper
 240 100
 120 13.0 6.6 10.0
 236 26.0 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2023

Supervised By :mohammad ahmed 08/21/2023



#78

Pyrene

Concen: 34.148 ng

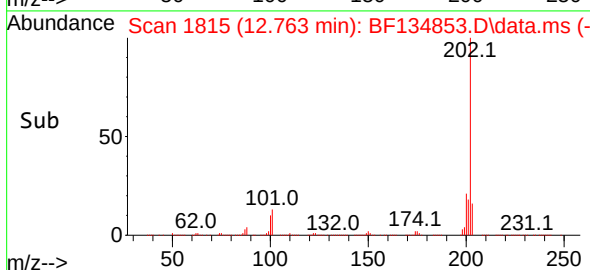
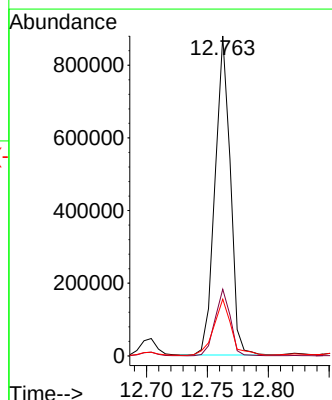
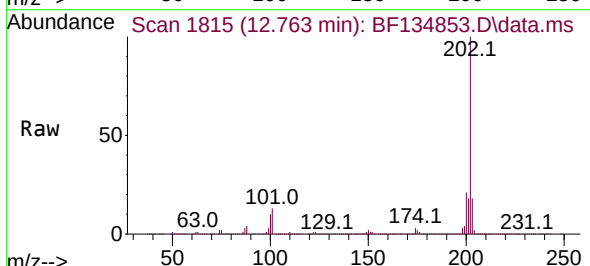
RT: 12.763 min Scan# 1815

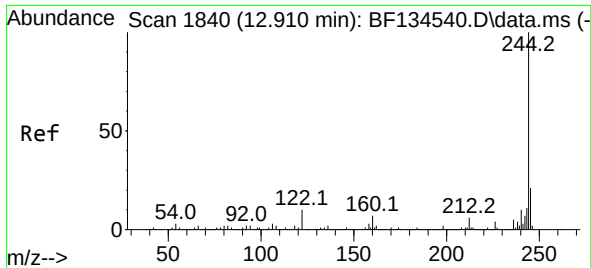
Delta R.T. -0.006 min

Lab File: BF134853.D

Acq: 18 Aug 2023 21:56

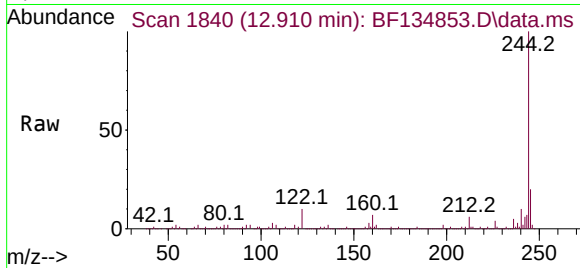
Tgt Ion:202 Resp: 769560
 Ion Ratio Lower Upper
 202 100
 200 20.8 15.8 23.8
 203 17.7 13.5 20.3





#79
 Terphenyl-d14
 Concen: 50.613 ng
 RT: 12.910 min Scan# 1840
 Delta R.T. -0.012 min
 Lab File: BF134853.D
 Acq: 18 Aug 2023 21:56

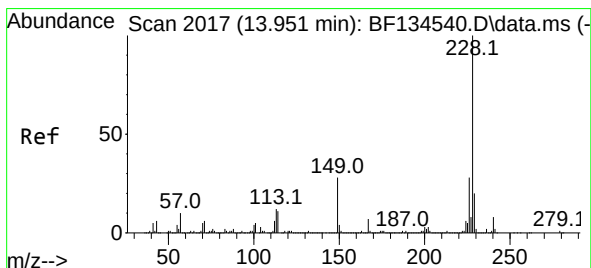
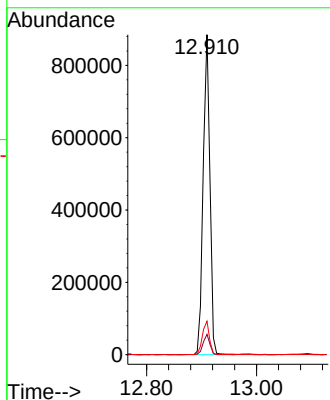
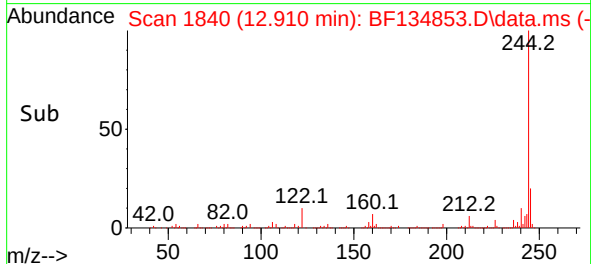
Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB05-Z113-114



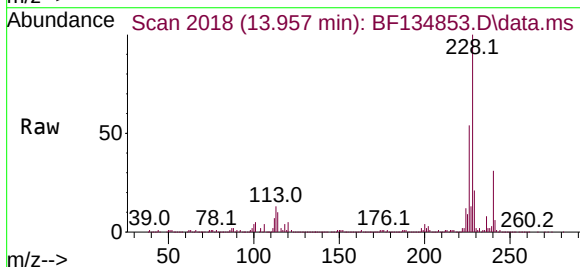
Tgt Ion:244 Resp: 747725
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.6 8.4
 122 10.4 8.0 12.0

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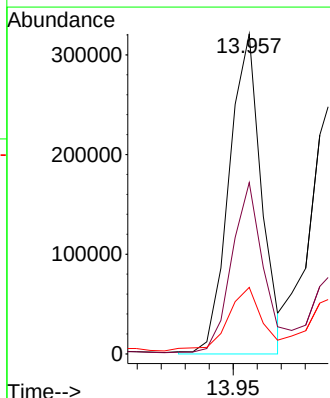
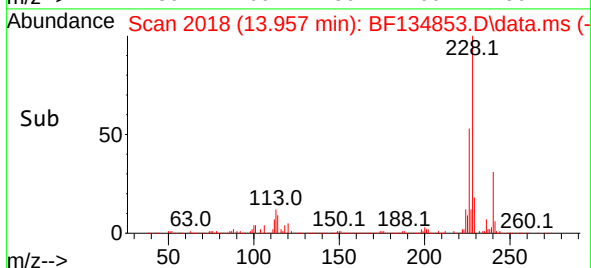
Reviewed By :Yogesh Patel 08/21/2023
 Supervised By :mohammad ahmed 08/21/2023

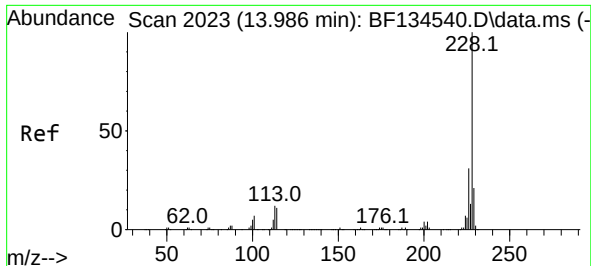


#81
 Benzo(a)anthracene
 Concen: 16.123 ng m
 RT: 13.957 min Scan# 2018
 Delta R.T. -0.006 min
 Lab File: BF134853.D
 Acq: 18 Aug 2023 21:56



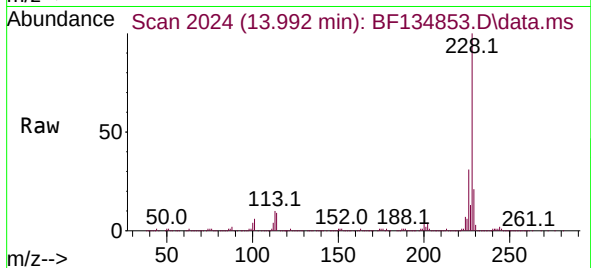
Tgt Ion:228 Resp: 300248
 Ion Ratio Lower Upper
 228 100
 226 53.5 22.3 33.5#
 229 20.8 15.8 23.6





#83
Chrysene
Concen: 14.944 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF134853.D
Acq: 18 Aug 2023 21:56

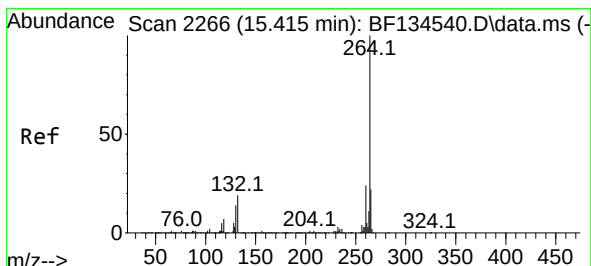
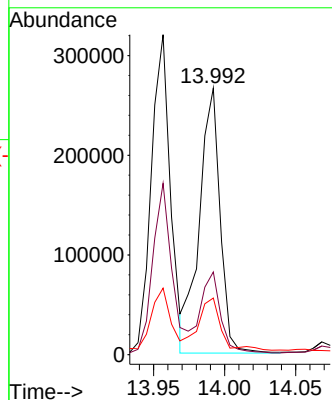
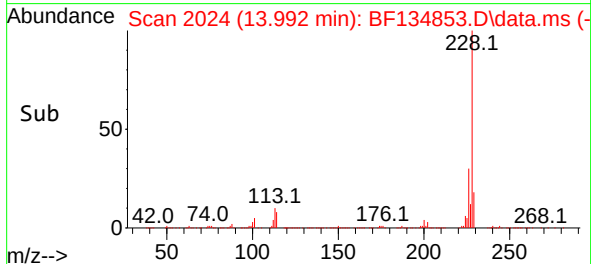
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB05-Z113-114



Tgt Ion:228 Resp: 271124
Ion Ratio Lower Upper
228 100
226 31.0 24.5 36.7
229 21.3 15.8 23.8

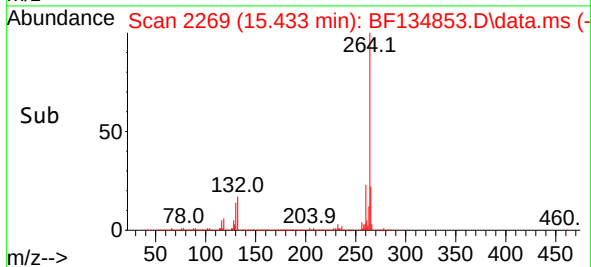
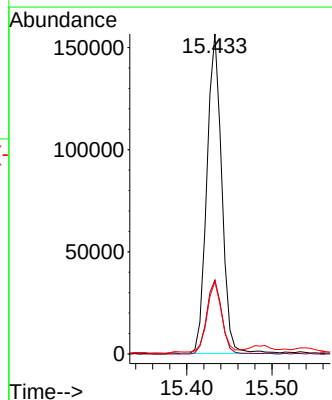
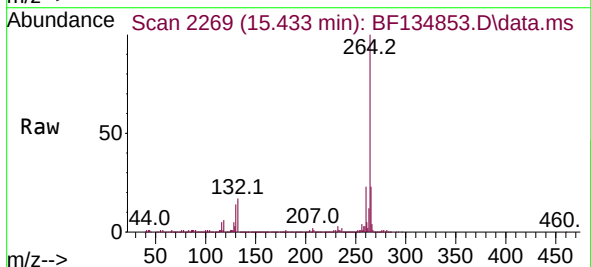
Manual Integrations
APPROVED

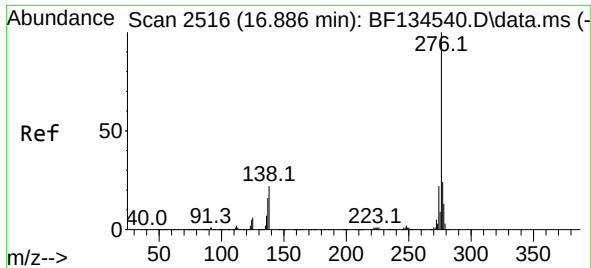
Reviewed By :Yogesh Patel 08/21/2023
Supervised By :mohammad ahmed 08/21/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF134853.D
Acq: 18 Aug 2023 21:56

Tgt Ion:264 Resp: 189986
Ion Ratio Lower Upper
264 100
260 23.1 18.4 27.6
265 22.6 15.8 23.8





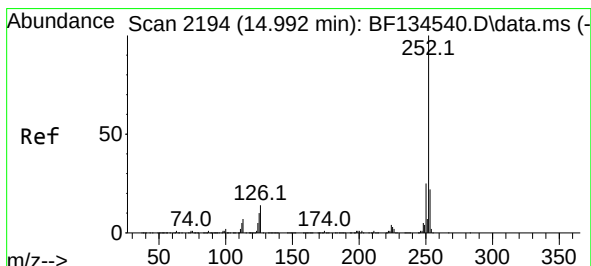
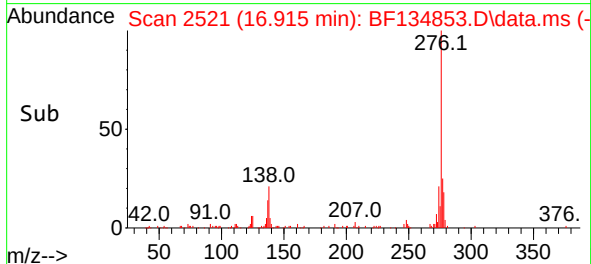
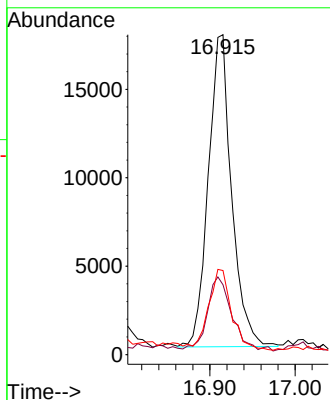
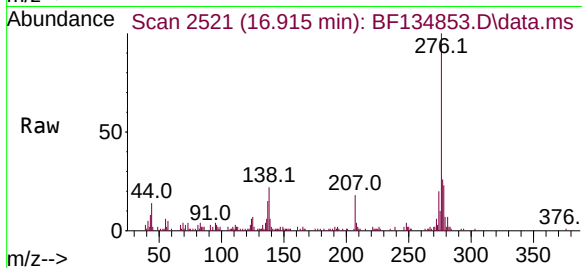
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.999 ng
RT: 16.915 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BF134853.D
Acq: 18 Aug 2023 21:56

Instrument :
BNA_F
ClientSampleId :
NEVINS-SB05-Z113-114

Tgt Ion:276 Resp: 33500
Ion Ratio Lower Upper
276 100
138 25.3 14.2 21.4
277 25.2 19.9 29.9

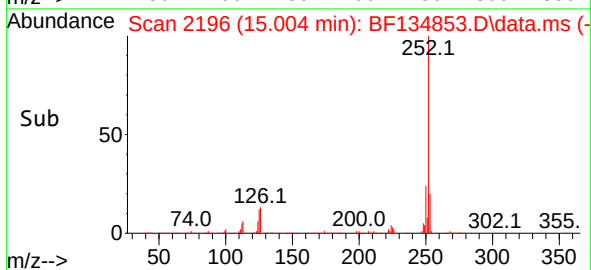
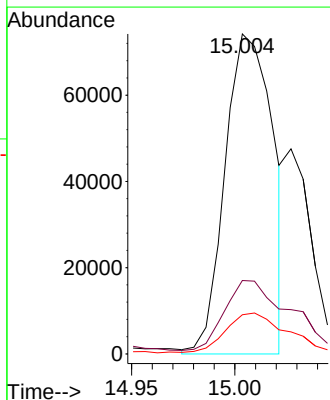
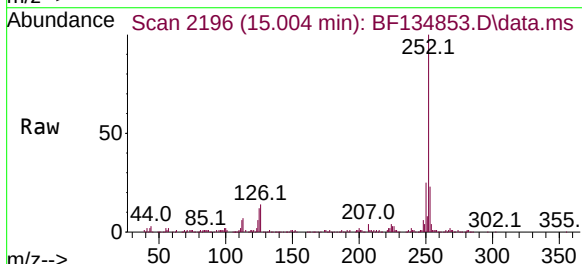
Manual Integrations
APPROVED

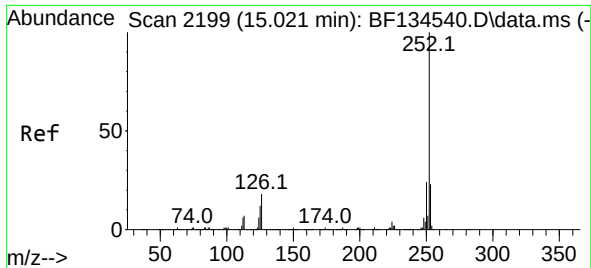
Reviewed By :Yogesh Patel 08/21/2023
Supervised By :mohammad ahmed 08/21/2023



#88
Benzo(b)fluoranthene
Concen: 10.370 ng m
RT: 15.004 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF134853.D
Acq: 18 Aug 2023 21:56

Tgt Ion:252 Resp: 120162
Ion Ratio Lower Upper
252 100
253 22.9 17.3 25.9
125 12.2 6.0 9.0





#89

Benzo(k)fluoranthene

Concen: 3.734 ng m

RT: 15.027 min Scan# 2199

Delta R.T. -0.012 min

Lab File: BF134853.D

Acq: 18 Aug 2023 21:56

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB05-Z113-114

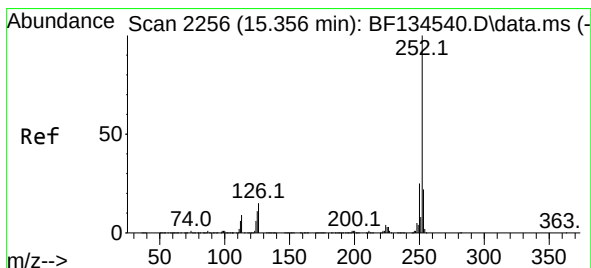
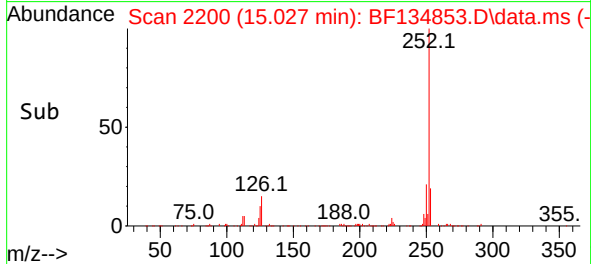
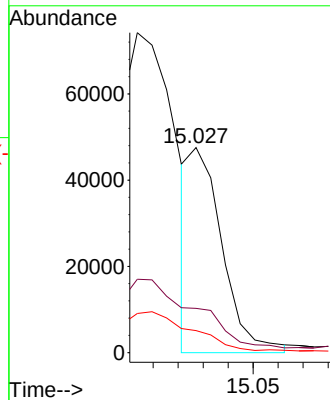
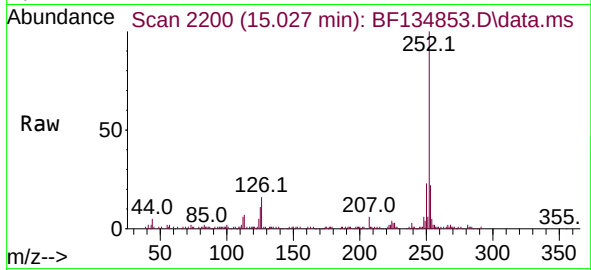
Tgt Ion:252 Resp: 43099
 Ion Ratio Lower Upper
 252 100
 253 21.6 17.9 26.9
 125 10.7 6.3 9.5

Manual Integrations

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Reviewed By :Yogesh Patel 08/21/2023

Supervised By :mohammad ahmed 08/21/2023



#90

Benzo(a)pyrene

Concen: 11.760 ng

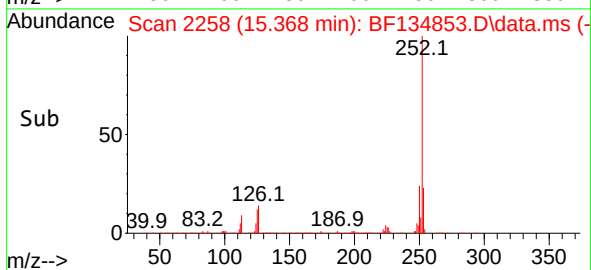
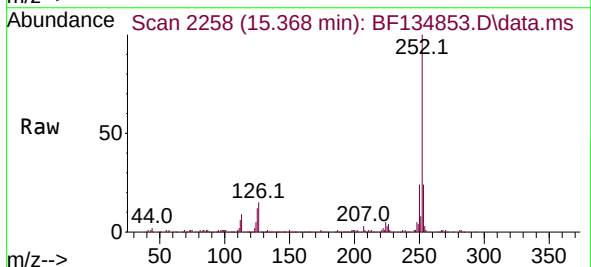
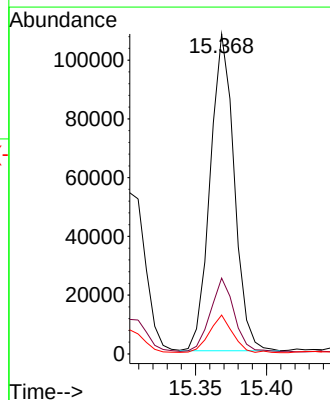
RT: 15.368 min Scan# 2258

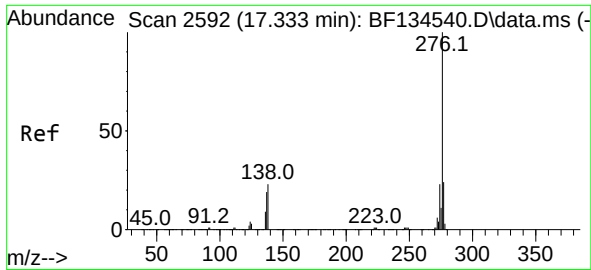
Delta R.T. -0.012 min

Lab File: BF134853.D

Acq: 18 Aug 2023 21:56

Tgt Ion:252 Resp: 127055
 Ion Ratio Lower Upper
 252 100
 253 23.7 17.0 25.4
 125 12.1 6.2 9.4





#92

Benzo(g,h,i)perylene

Concen: 4.158 ng

RT: 17.362 min Scan# 2597

Delta R.T. -0.012 min

Lab File: BF134853.D

Acq: 18 Aug 2023 21:56

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB05-Z113-114

Tgt Ion:	276	Resp:	38302
Ion Ratio	Lower	Upper	
276	100		
277	25.0	19.0	28.6
138	23.2	12.2	18.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2023

Supervised By :mohammad ahmed 08/21/2023

