

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081023\
 Data File : BF134708.D
 Acq On : 10 Aug 2023 13:59
 Operator : CG\JU
 Sample : 03932-02 50X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB-01-Z20-22

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/11/2023
 Supervised By :mohammad ahmed 08/11/2023

Quant Time: Aug 11 03:54:09 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	154926	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	614834	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	296471	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	483136	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	320195	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	294183	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	10213	1.002	ng	0.00
7) Phenol-d6	6.434	99	13162	1.010	ng	0.00
23) Nitrobenzene-d5	7.357	82	12102m	1.230	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	3130	1.036	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	25289	1.418	ng	-0.01
79) Terphenyl-d14	12.916	244	25163	1.385	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.110	128	3377945	109.317	ng	97
37) 2-Methylnaphthalene	8.798	142	1175085	57.372	ng	100
38) 1-Methylnaphthalene	8.892	142	765807	40.208	ng	98
46) 1,1'-Biphenyl	9.257	154	155166	6.730	ng	98
49) Acenaphthylene	9.692	152	57142	2.104	ng	# 82
52) Acenaphthene	9.869	154	486764	27.662	ng	99
58) Fluorene	10.386	166	237386	13.010	ng	97
71) Phenanthrene	11.351	178	903484	35.207	ng	99
72) Anthracene	11.398	178	279080	10.647	ng	99
75) Fluoranthene	12.539	202	297079	10.959	ng	96
78) Pyrene	12.769	202	436258	15.745	ng	97
81) Benzo(a)anthracene	13.963	228	161530m	7.055	ng	
83) Chrysene	13.998	228	132230	5.928	ng	99
88) Benzo(b)fluoranthene	15.015	252	75830m	4.226	ng	
90) Benzo(a)pyrene	15.380	252	87930	5.256	ng	# 95

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

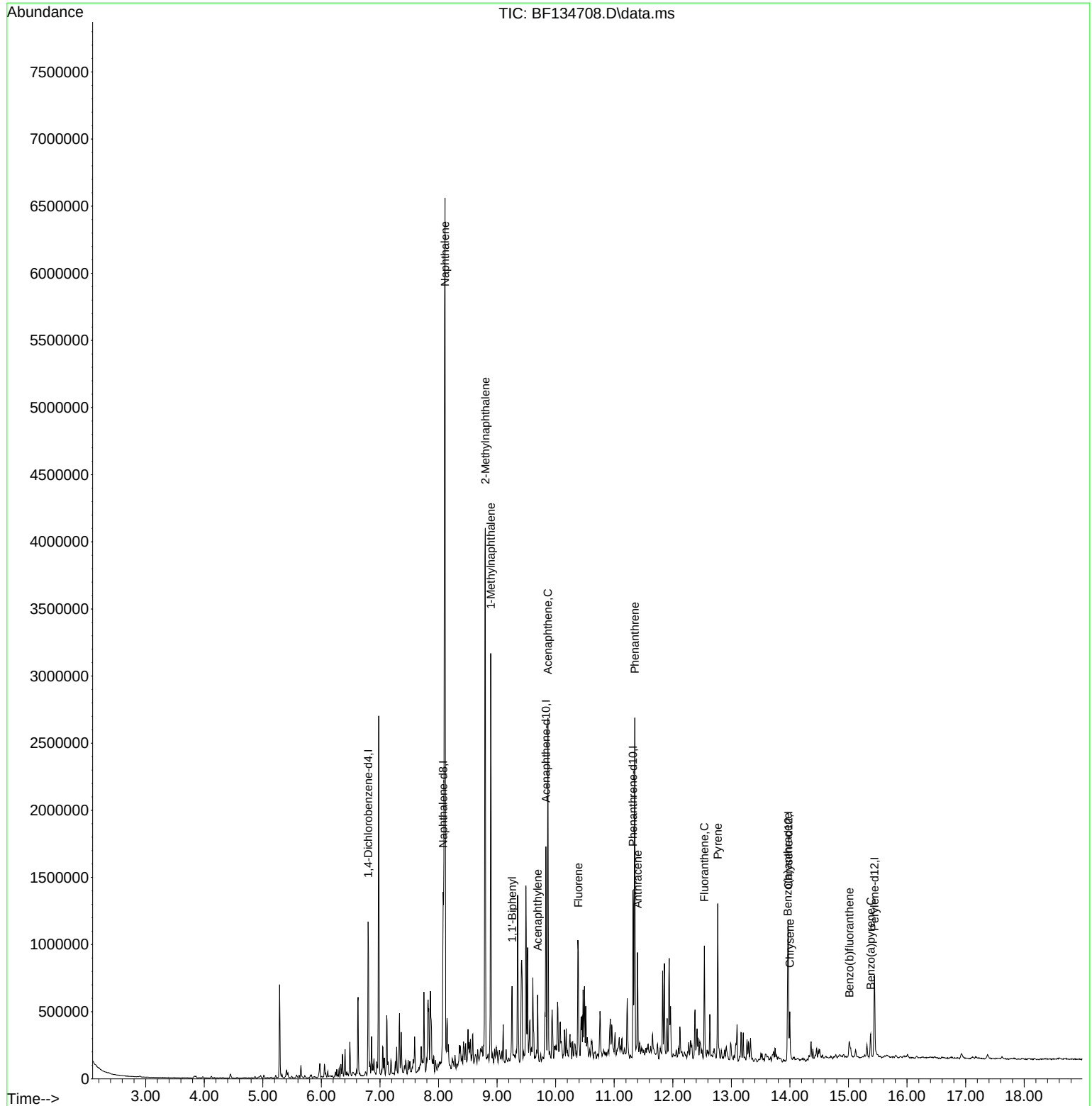
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081023\
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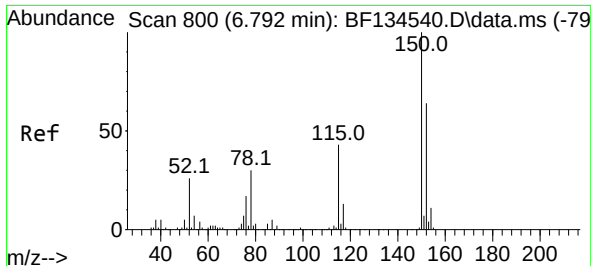
Instrument :
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Quant Time: Aug 11 03:54:09 2023
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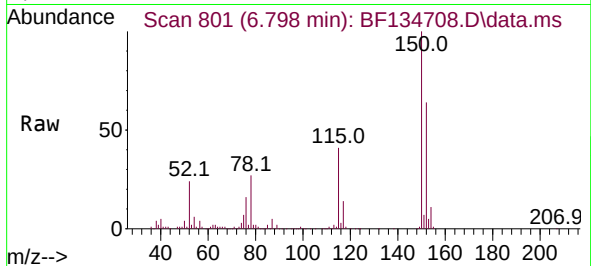
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: BF134708.D
 Acq: 10 Aug 2023 13:59

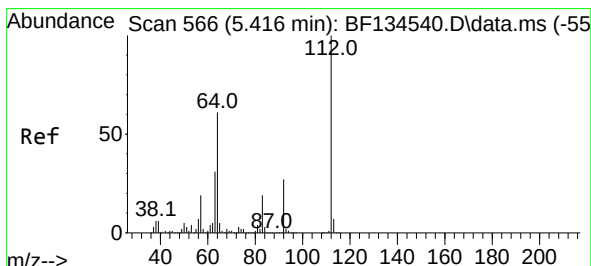
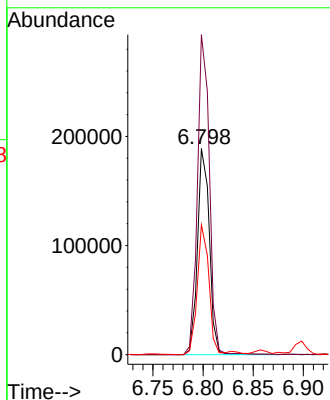
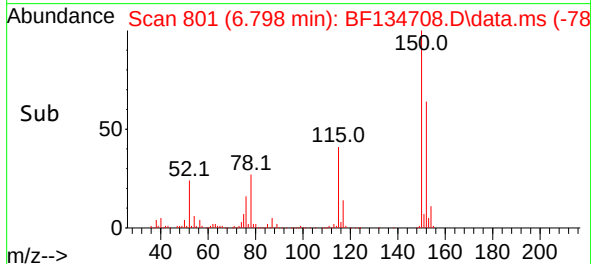
Instrument :
 BNA_F
 Client Sample Id :
 NEVINS-SB-01-Z20-22



Tgt Ion:152 Resp: 154926
 Ion Ratio Lower Upper
 152 100
 150 155.4 128.3 192.5
 115 63.0 52.4 78.6

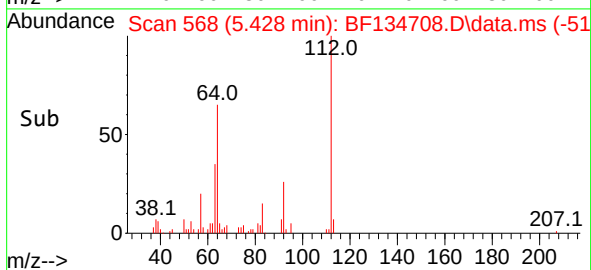
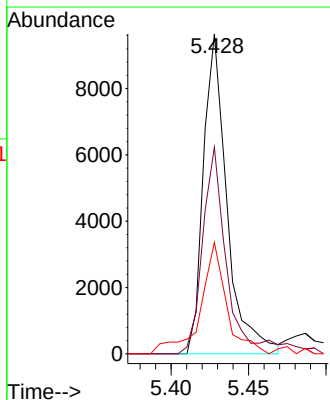
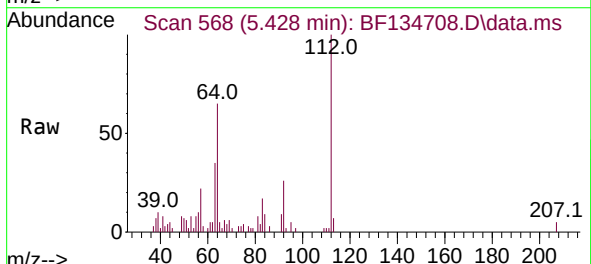
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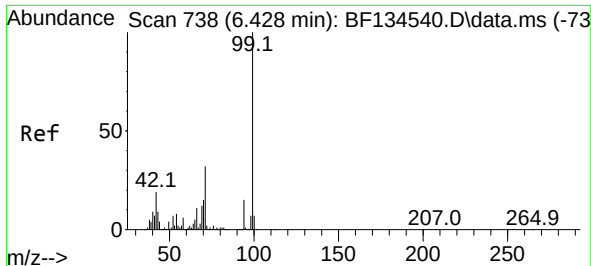
Reviewed By :Yogesh Patel 08/11/2023
 Supervised By :mohammad ahmed 08/11/2023



#5
 2-Fluorophenol
 Concen: 1.002 ng
 RT: 5.428 min Scan# 568
 Delta R.T. 0.000 min
 Lab File: BF134708.D
 Acq: 10 Aug 2023 13:59

Tgt Ion:112 Resp: 10213
 Ion Ratio Lower Upper
 112 100
 64 64.6 44.9 67.3
 63 34.8 25.4 38.0





#7

Phenol-d6

Concen: 1.010 ng

RT: 6.434 min Scan# 738

Delta R.T. -0.006 min

Lab File: BF134708.D

Acq: 10 Aug 2023 13:59

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB-01-Z20-22

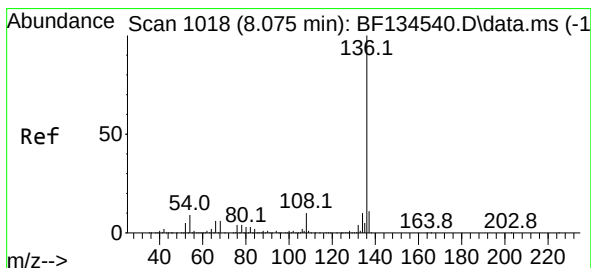
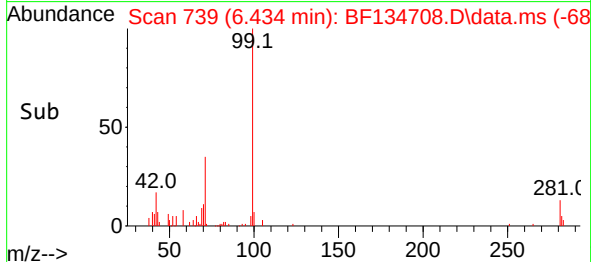
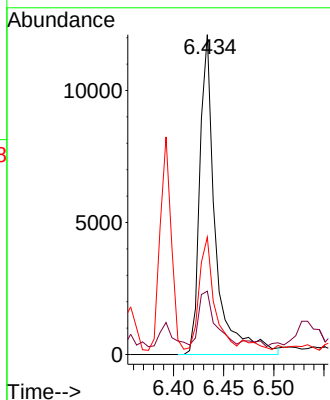
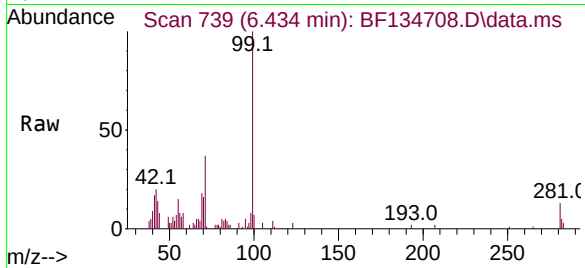
Tgt Ion: 99	Resp: 13162
Ion Ratio	Lower Upper
99 100	
42 19.8	18.7 28.1
71 36.7	36.4 54.6

Manual Integrations

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#21

Napthalene-d8

Concen: 20.000 ng

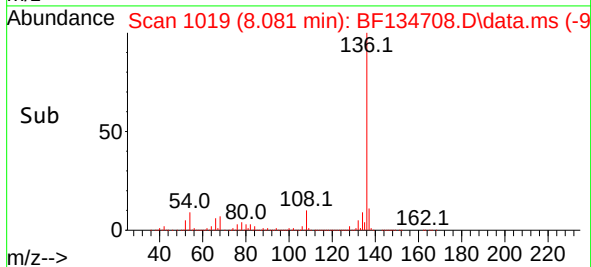
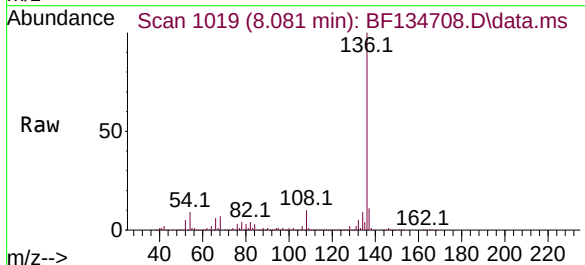
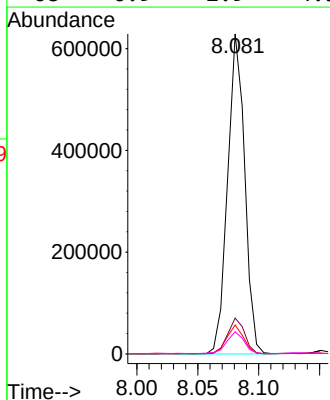
RT: 8.081 min Scan# 1019

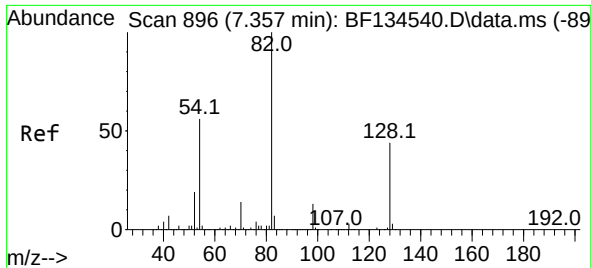
Delta R.T. 0.000 min

Lab File: BF134708.D

Acq: 10 Aug 2023 13:59

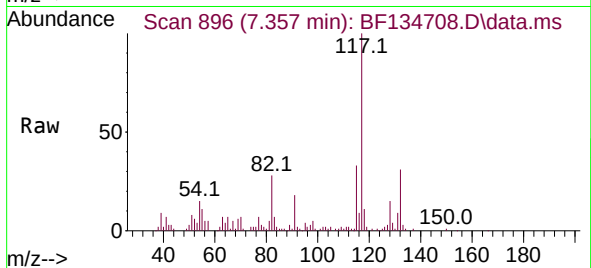
Tgt Ion:136	Resp: 614834
Ion Ratio	Lower Upper
136 100	
137 11.2	8.4 12.6
54 9.0	5.2 7.8#
68 6.9	2.9 4.3#





#23
Nitrobenzene-d5
Concen: 1.230 ng m
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF134708.D
Acq: 10 Aug 2023 13:59

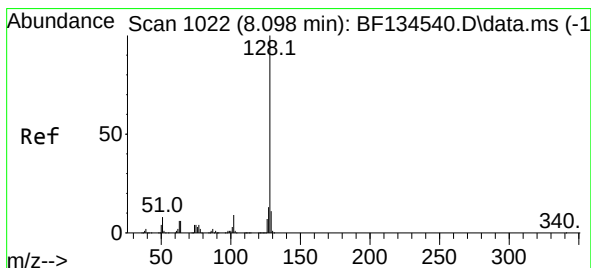
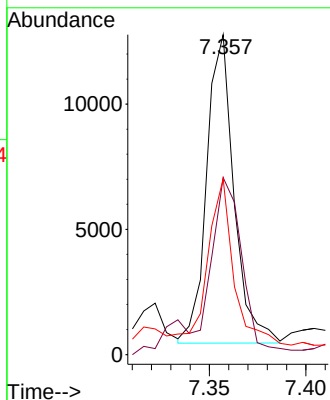
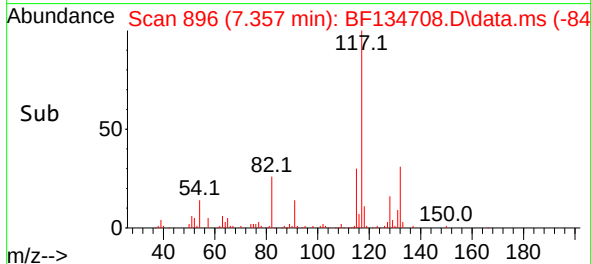
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z20-22



Tgt Ion: 82 Resp: 12102
Ion Ratio Lower Upper
82 100
128 55.3 34.3 51.5
54 55.0 43.8 65.6

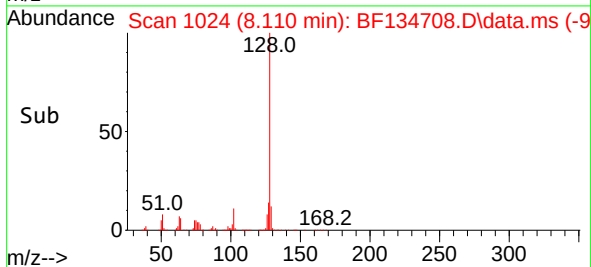
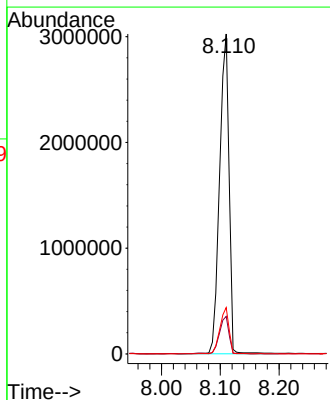
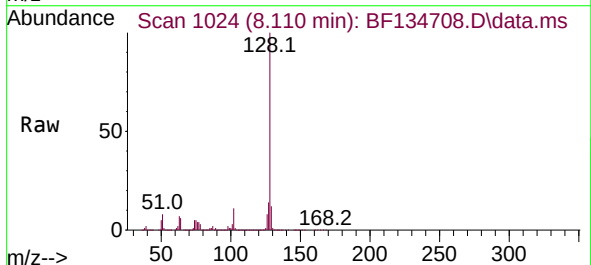
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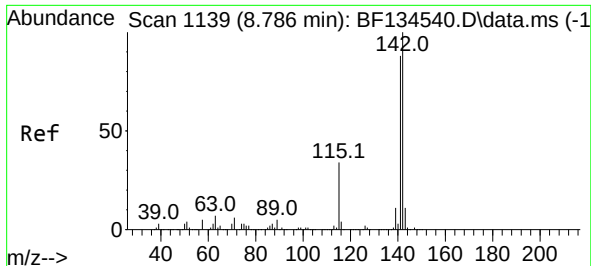
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023



#31
Naphthalene
Concen: 109.317 ng
RT: 8.110 min Scan# 1024
Delta R.T. 0.006 min
Lab File: BF134708.D
Acq: 10 Aug 2023 13:59

Tgt Ion:128 Resp: 3377945
Ion Ratio Lower Upper
128 100
129 11.7 8.4 12.6
127 14.5 10.7 16.1





#37

2-Methylnaphthalene

Concen: 57.372 ng

RT: 8.798 min Scan# 1141

Delta R.T. 0.006 min

Lab File: BF134708.D

Acq: 10 Aug 2023 13:59

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB-01-Z20-22

Tgt Ion:142 Resp: 1175085

Ion Ratio Lower Upper

142 100

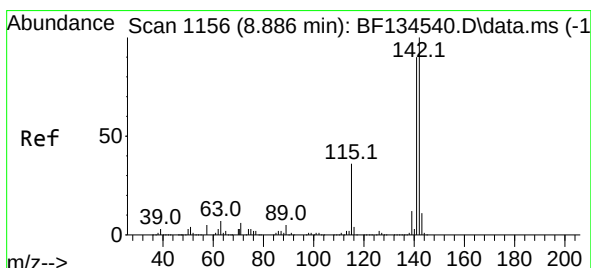
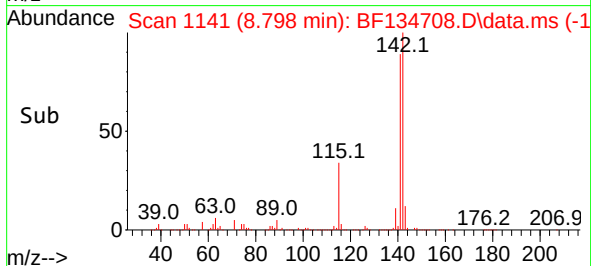
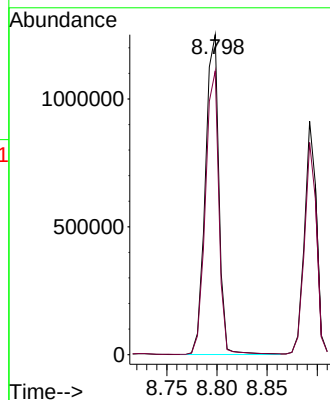
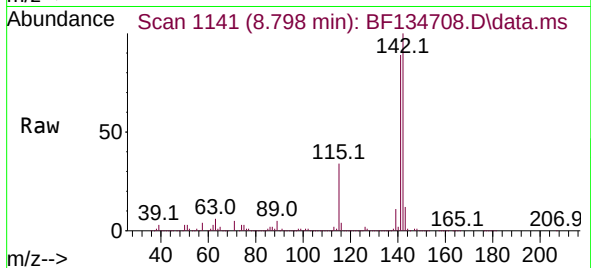
141 88.6 70.8 106.2

Manual Integrations

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Supervised By :mohammad ahmed 08/11/2023



#38

1-Methylnaphthalene

Concen: 40.208 ng

RT: 8.892 min Scan# 1157

Delta R.T. 0.000 min

Lab File: BF134708.D

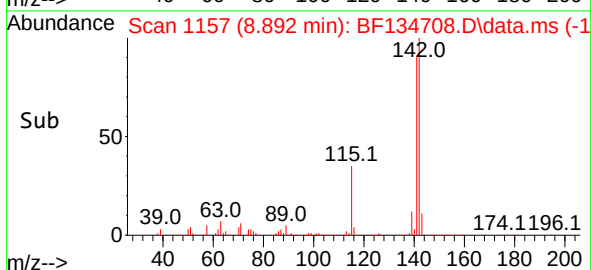
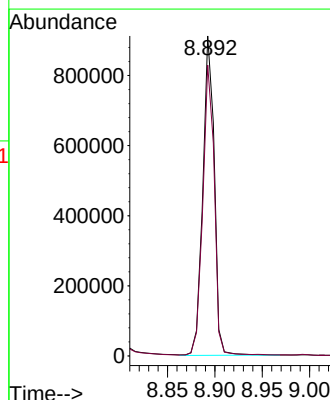
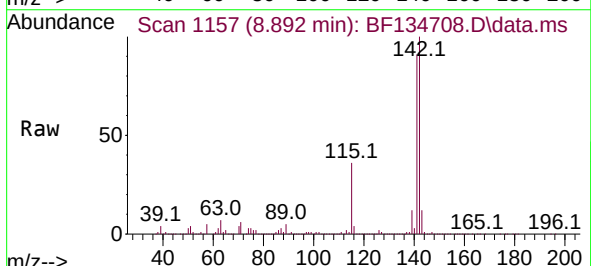
Acq: 10 Aug 2023 13:59

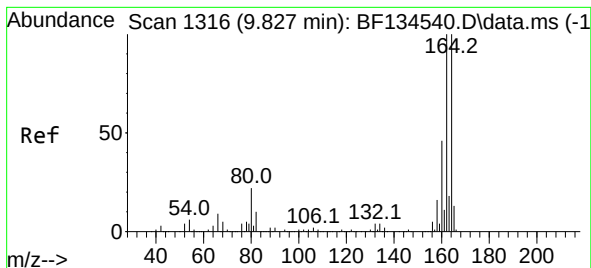
Tgt Ion:142 Resp: 765807

Ion Ratio Lower Upper

142 100

141 90.9 71.4 107.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 1317

Delta R.T. 0.000 min

Lab File: BF134708.D

Acq: 10 Aug 2023 13:59

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB-01-Z20-22

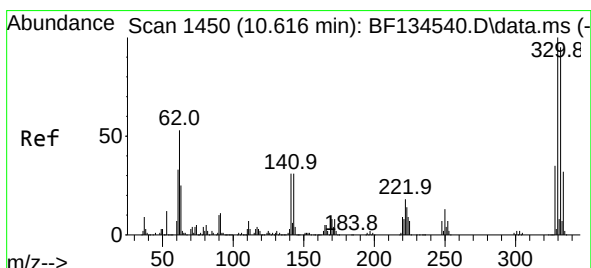
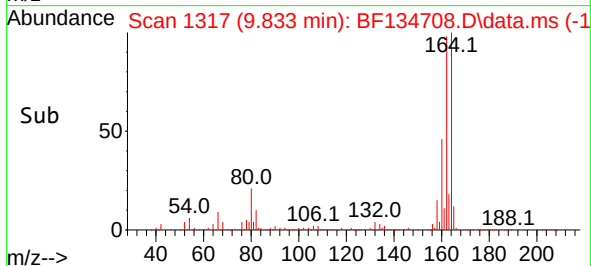
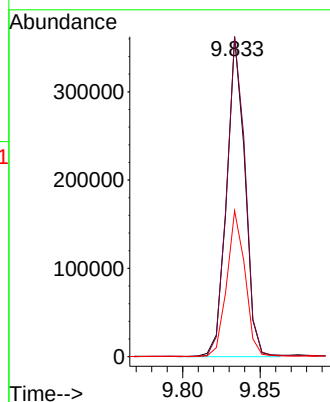
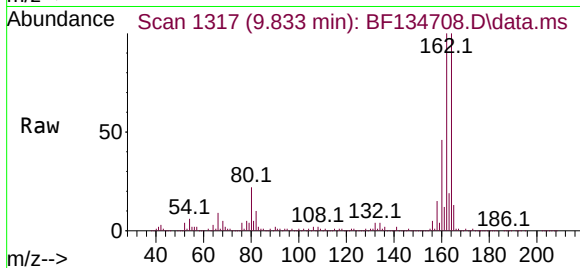
Tgt Ion:164	Resp:	29647
Ion Ratio	Lower	Upper
164	100	
162	99.9	82.6 123.8
160	45.6	37.2 55.8

Manual Integrations

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Supervised By :mohammad ahmed 08/11/2023



#42

2,4,6-Tribromophenol

Concen: 1.036 ng

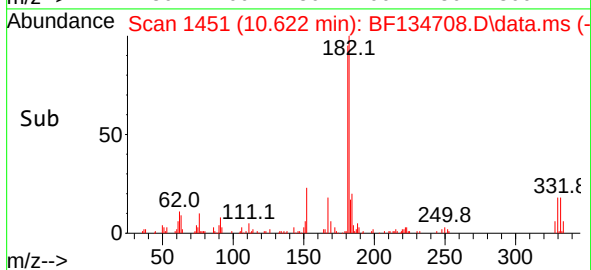
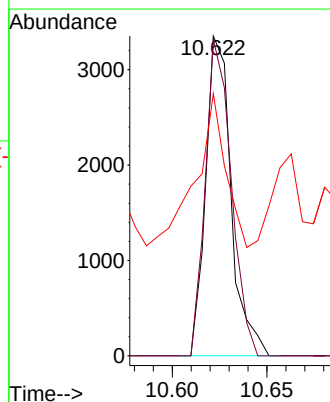
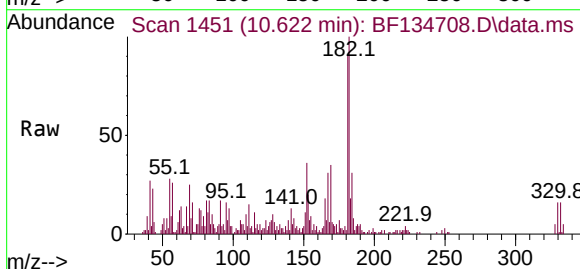
RT: 10.622 min Scan# 1451

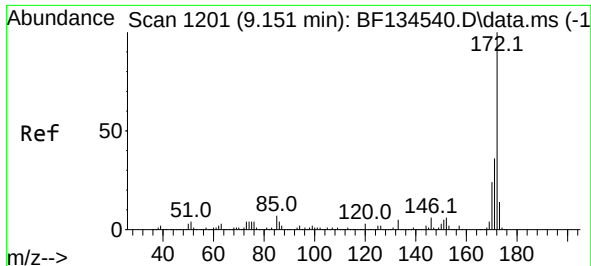
Delta R.T. -0.006 min

Lab File: BF134708.D

Acq: 10 Aug 2023 13:59

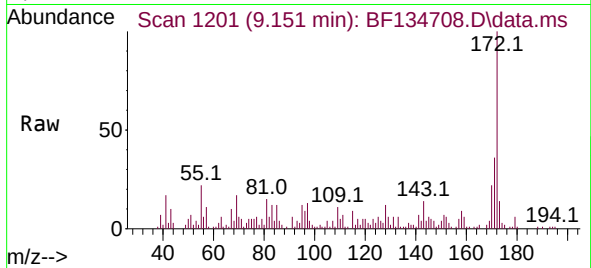
Tgt Ion:330	Resp:	3130
Ion Ratio	Lower	Upper
330	100	
332	100.9	78.8 118.2
141	56.7	25.4 38.2





#45
2-Fluorobiphenyl
Concen: 1.418 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF134708.D
Acq: 10 Aug 2023 13:59

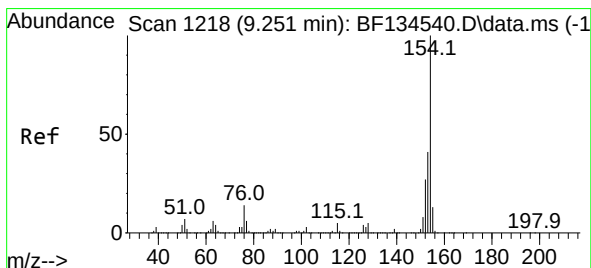
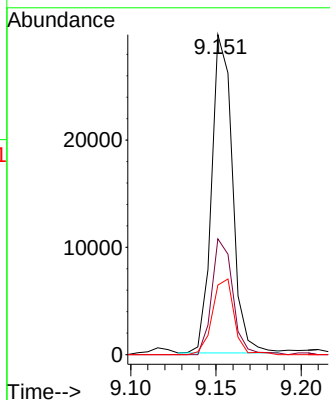
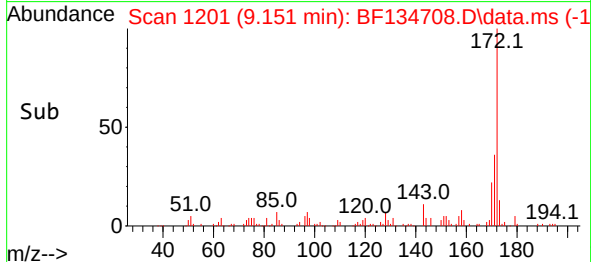
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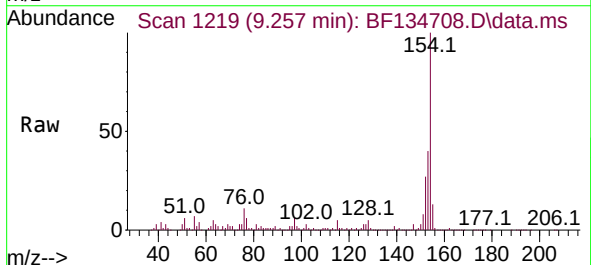
Tgt Ion:172 Resp: 25289
Ion Ratio Lower Upper
172 100
171 36.2 28.8 43.2
170 21.7 18.7 28.1

Manual Integrations
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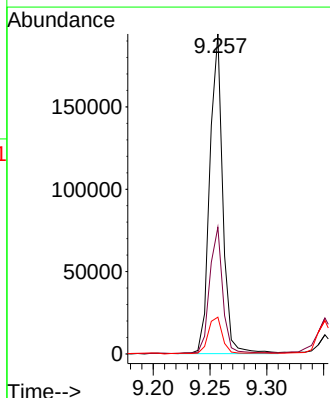
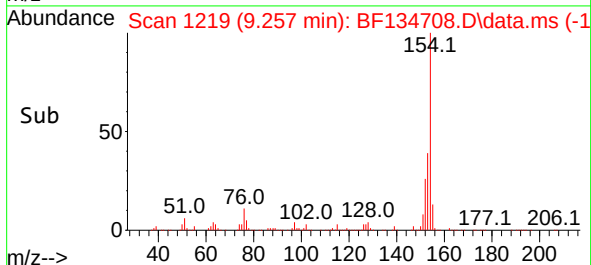
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023

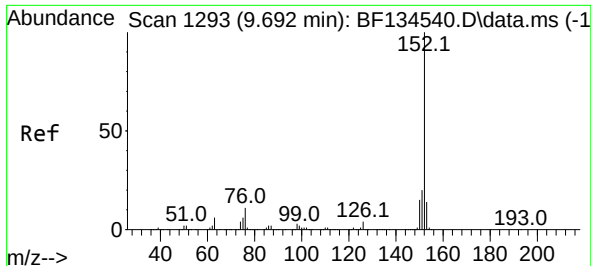


#46
1,1'-Biphenyl
Concen: 6.730 ng
RT: 9.257 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF134708.D
Acq: 10 Aug 2023 13:59



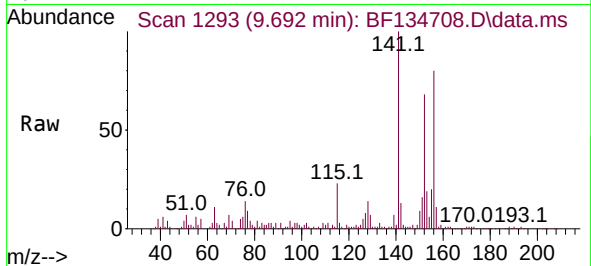
Tgt Ion:154 Resp: 155166
Ion Ratio Lower Upper
154 100
153 39.6 20.8 60.8
76 11.5 0.0 30.2





#49
Acenaphthylene
Concen: 2.104 ng
RT: 9.692 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BF134708.D
Acq: 10 Aug 2023 13:59

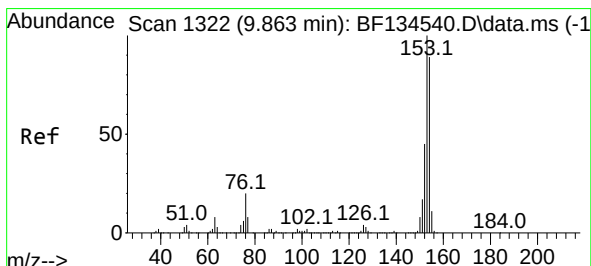
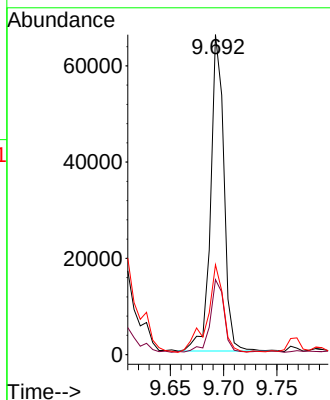
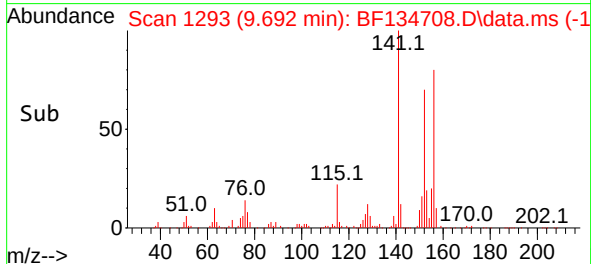
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z20-22



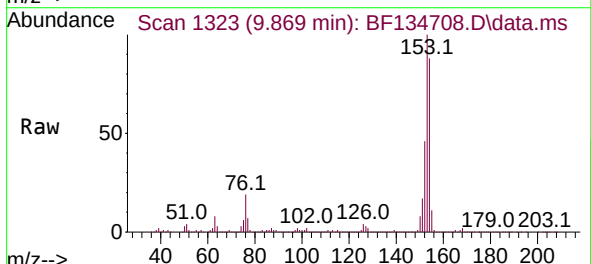
Tgt Ion:152 Resp: 57142
Ion Ratio Lower Upper
152 100
151 23.4 16.4 24.6
153 28.1 10.9 16.3

Manual Integrations
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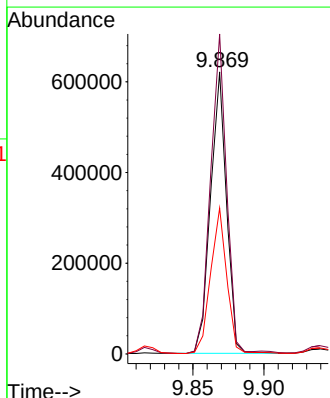
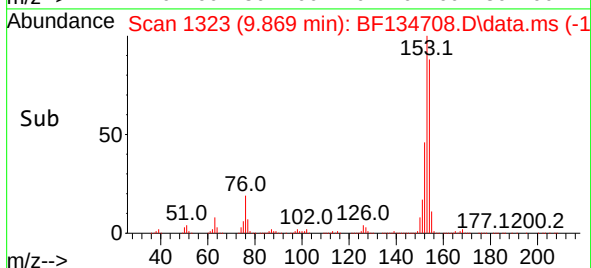
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023

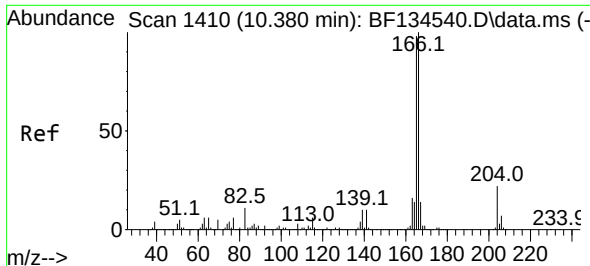


#52
Acenaphthene
Concen: 27.662 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF134708.D
Acq: 10 Aug 2023 13:59



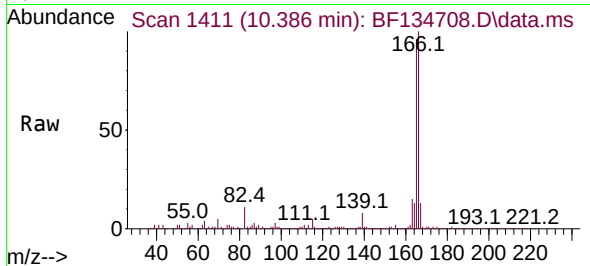
Tgt Ion:154 Resp: 486764
Ion Ratio Lower Upper
154 100
153 113.5 90.0 135.0
152 51.7 42.4 63.6





#58
Fluorene
Concen: 13.010 ng
RT: 10.386 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF134708.D
Acq: 10 Aug 2023 13:59

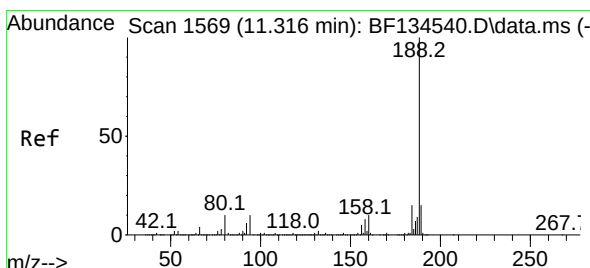
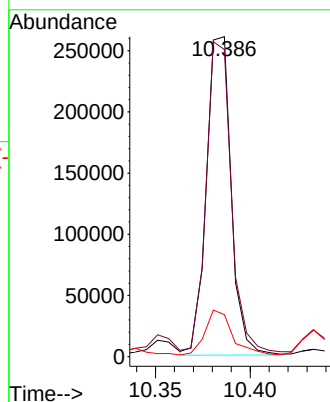
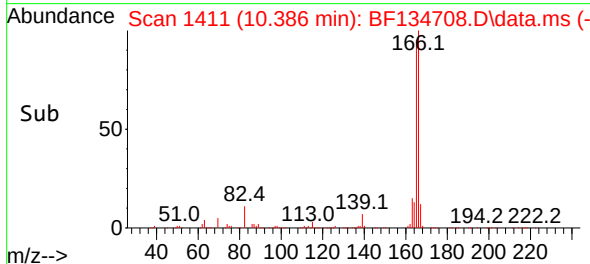
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z20-22



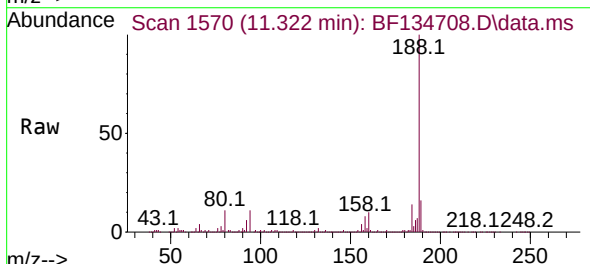
Tgt Ion:166 Resp: 237386
Ion Ratio Lower Upper
166 100
165 96.0 74.5 111.7
167 13.1 10.6 16.0

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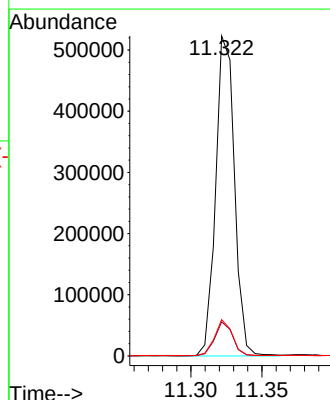
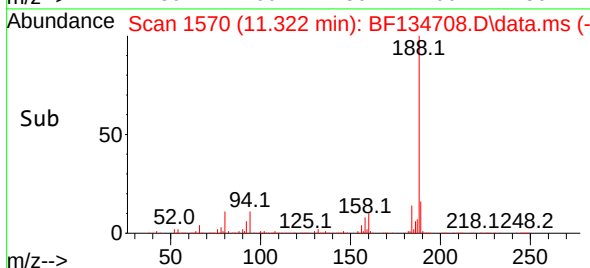
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023

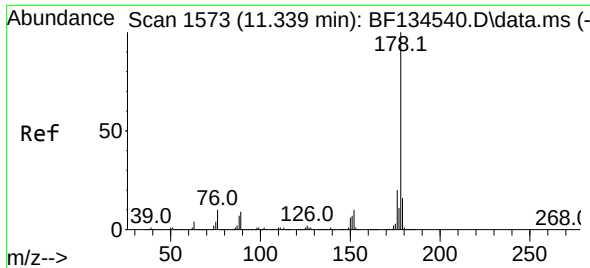


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF134708.D
Acq: 10 Aug 2023 13:59



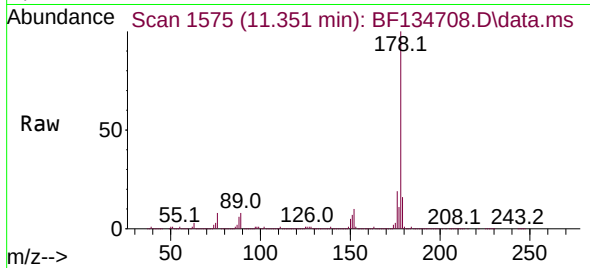
Tgt Ion:188 Resp: 483136
Ion Ratio Lower Upper
188 100
94 10.6 5.1 7.7#
80 11.3 6.6 9.8#





#71
Phenanthrene
Concen: 35.207 ng
RT: 11.351 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BF134708.D
Acq: 10 Aug 2023 13:59

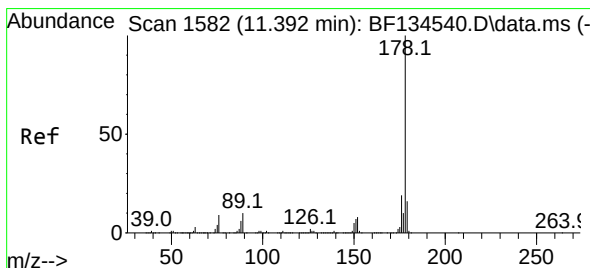
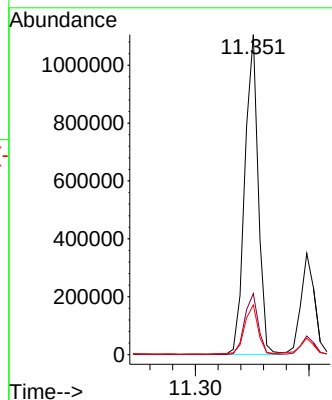
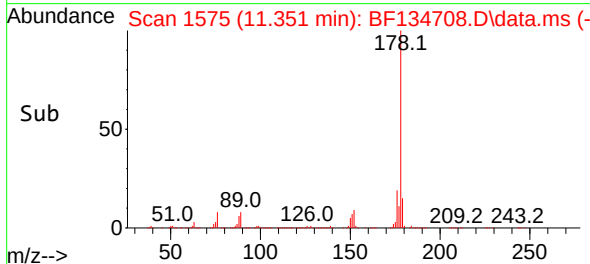
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z20-22



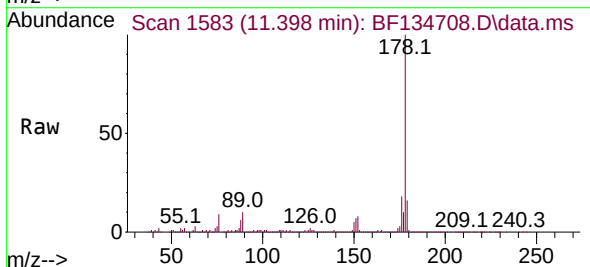
Tgt Ion:178 Resp: 903484
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.6
179 15.5 12.7 19.1

Manual Integrations
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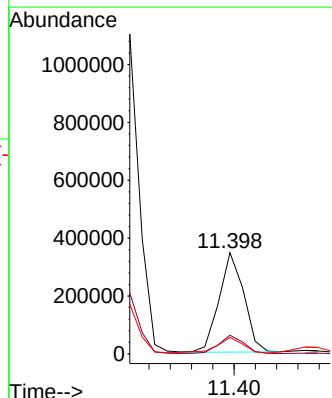
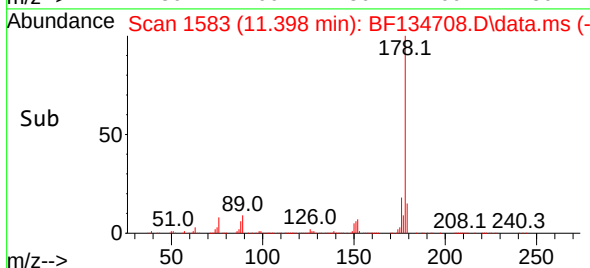
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023

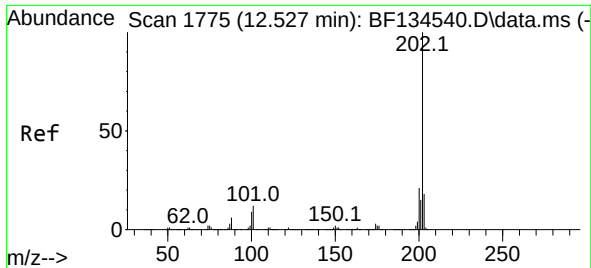


#72
Anthracene
Concen: 10.647 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF134708.D
Acq: 10 Aug 2023 13:59



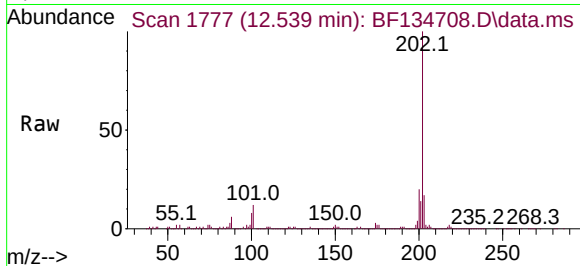
Tgt Ion:178 Resp: 279080
Ion Ratio Lower Upper
178 100
176 18.4 14.6 21.8
179 16.2 12.3 18.5





#75
Fluoranthene
Concen: 10.959 ng
RT: 12.539 min Scan# 1777
Delta R.T. 0.000 min
Lab File: BF134708.D
Acq: 10 Aug 2023 13:59

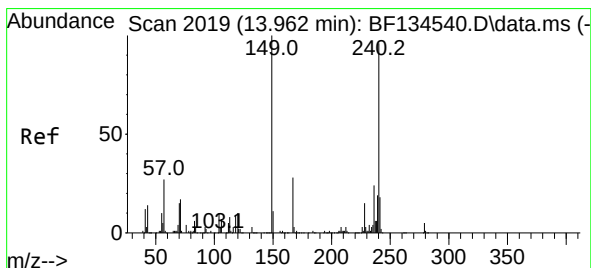
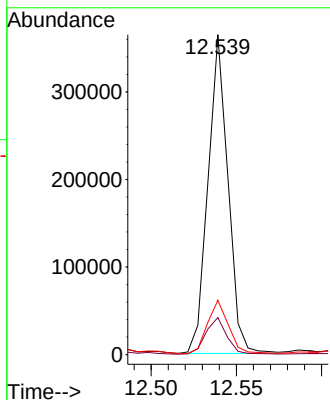
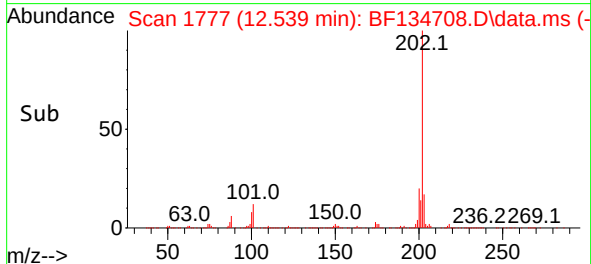
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z20-22



Tgt Ion:202 Resp: 297079
Ion Ratio Lower Upper
202 100
101 11.6 0.0 28.5
203 17.0 0.0 37.5

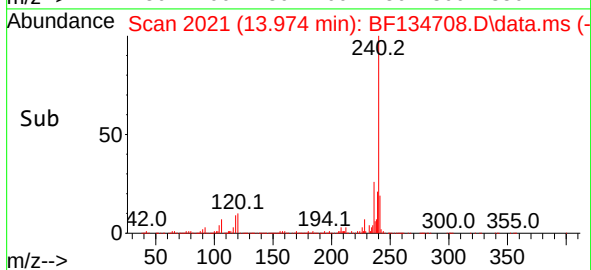
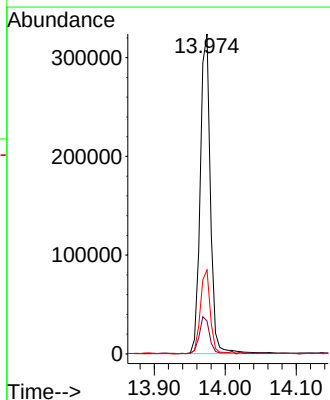
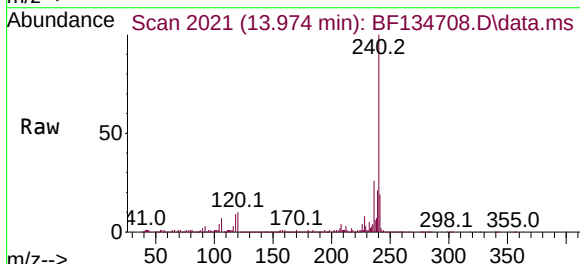
Manual Integrations
APPROVED

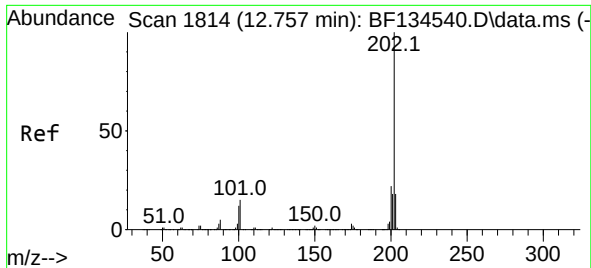
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF134708.D
Acq: 10 Aug 2023 13:59

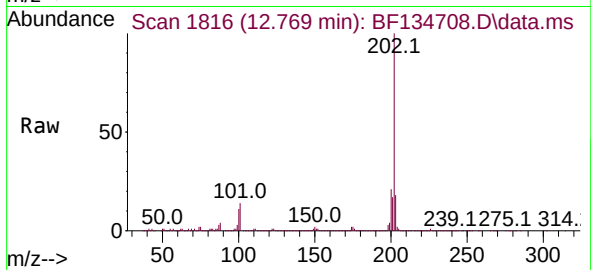
Tgt Ion:240 Resp: 320195
Ion Ratio Lower Upper
240 100
120 10.3 6.6 10.0#
236 26.2 20.2 30.2





#78
Pyrene
Concen: 15.745 ng
RT: 12.769 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF134708.D
Acq: 10 Aug 2023 13:59

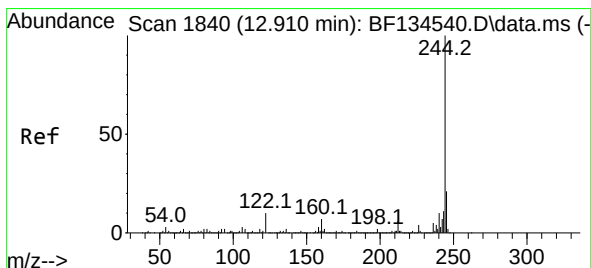
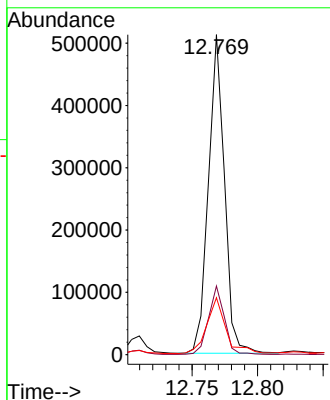
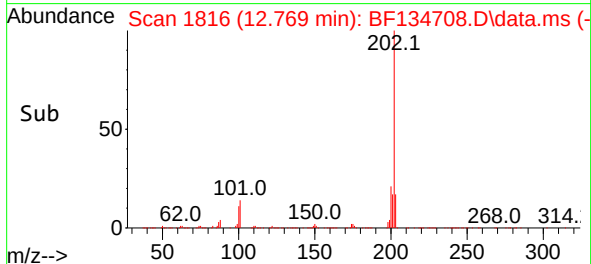
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z20-22



Tgt Ion:202 Resp: 436258
Ion Ratio Lower Upper
202 100
200 21.4 15.8 23.8
203 17.8 13.5 20.3

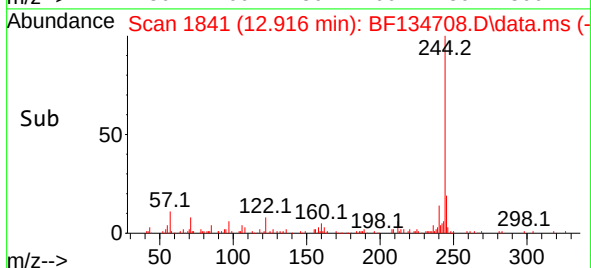
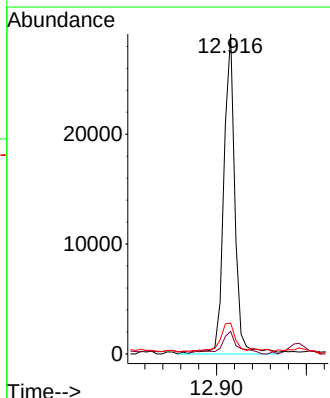
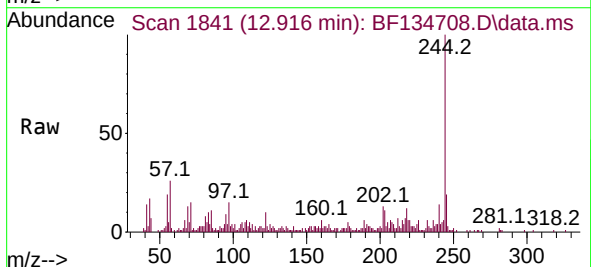
Manual Integrations
APPROVED

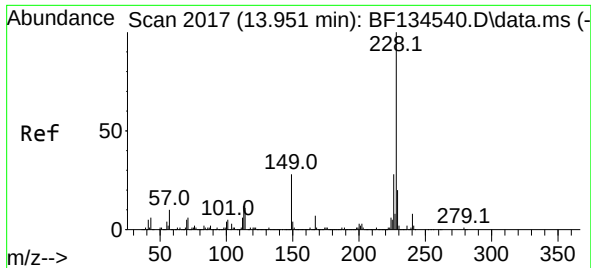
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023



#79
Terphenyl-d14
Concen: 1.385 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BF134708.D
Acq: 10 Aug 2023 13:59

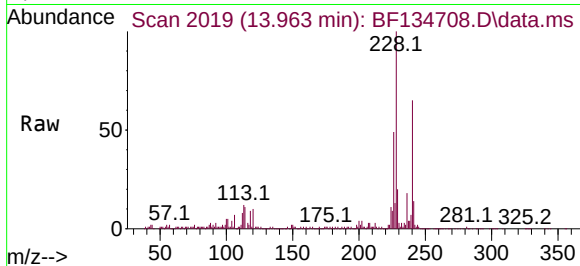
Tgt Ion:244 Resp: 25163
Ion Ratio Lower Upper
244 100
212 7.0 5.6 8.4
122 9.6 8.0 12.0





#81
Benzo(a)anthracene
Concen: 7.055 ng m
RT: 13.963 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF134708.D
Acq: 10 Aug 2023 13:59

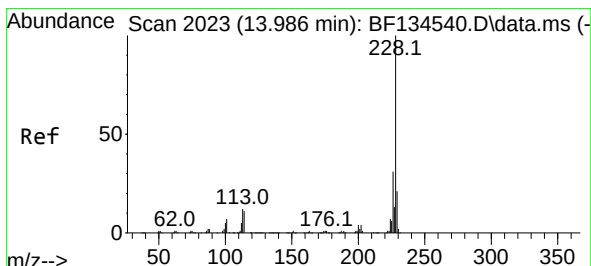
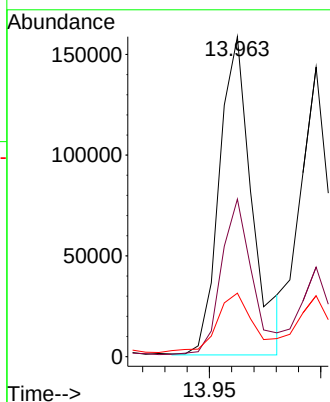
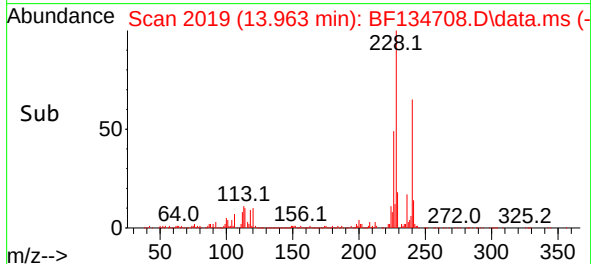
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z20-22



Tgt Ion:228 Resp: 161530
Ion Ratio Lower Upper
228 100
226 49.2 22.3 33.5
229 19.8 15.8 23.6

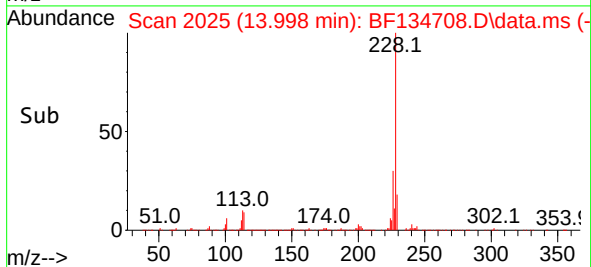
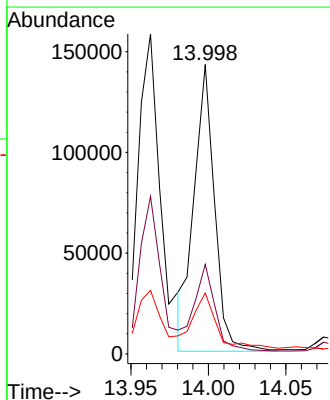
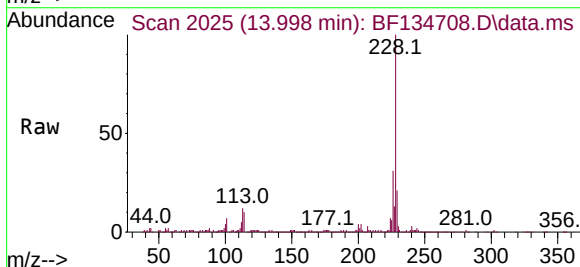
Manual Integrations
APPROVED

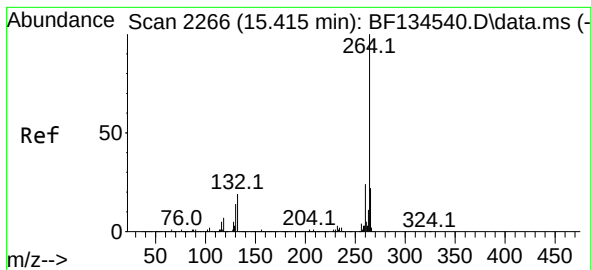
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023



#83
Chrysene
Concen: 5.928 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF134708.D
Acq: 10 Aug 2023 13:59

Tgt Ion:228 Resp: 132230
Ion Ratio Lower Upper
228 100
226 31.0 24.5 36.7
229 21.0 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134708.D

Acq: 10 Aug 2023 13:59

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB-01-Z20-22

Tgt Ion:264 Resp: 294183

Ion Ratio Lower Upper

264 100

260 23.4 18.4 27.6

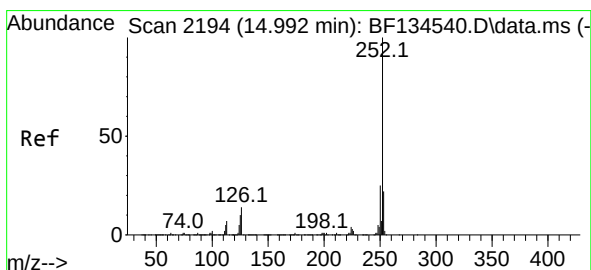
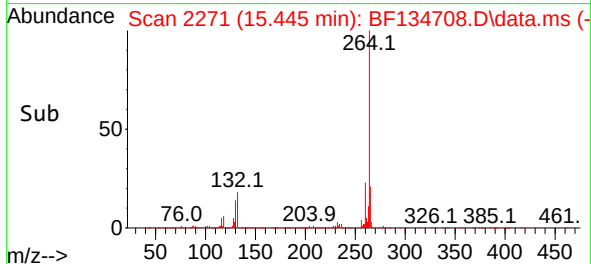
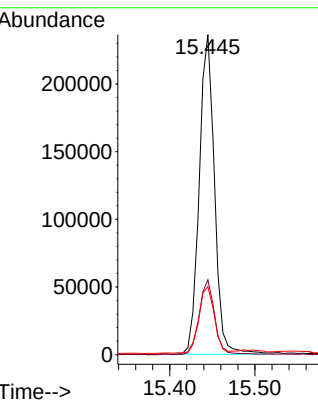
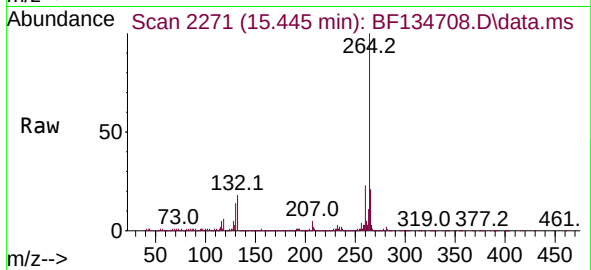
265 21.2 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/11/2023

Supervised By :mohammad ahmed 08/11/2023



#88

Benzo(b)fluoranthene

Concen: 4.226 ng m

RT: 15.015 min Scan# 2198

Delta R.T. 0.006 min

Lab File: BF134708.D

Acq: 10 Aug 2023 13:59

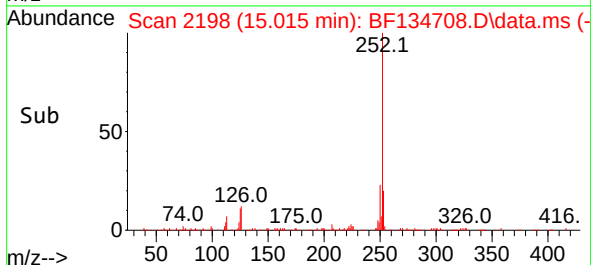
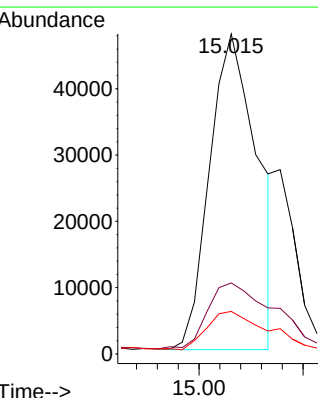
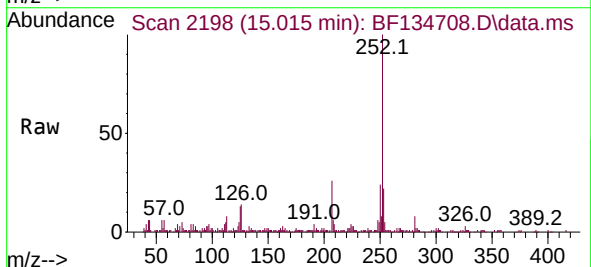
Tgt Ion:252 Resp: 75830

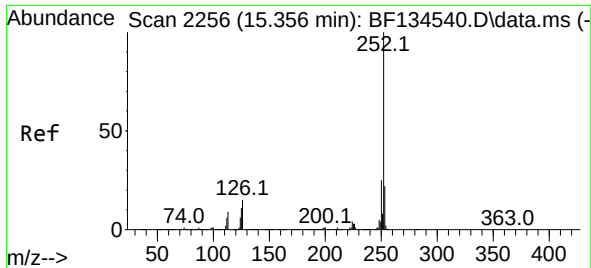
Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

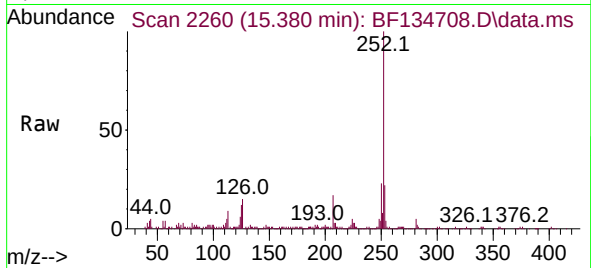
125 13.3 6.0 9.0#





#90
Benzo(a)pyrene
Concen: 5.256 ng
RT: 15.380 min Scan# 2256
Delta R.T. 0.000 min
Lab File: BF134708.D
Acq: 10 Aug 2023 13:59

Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z20-22



Tgt Ion:252 Resp: 87930
Ion Ratio Lower Upper
252 100
253 22.2 17.0 25.4
125 11.7 6.2 9.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023

