

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081023\
 Data File : BF134710.D
 Acq On : 10 Aug 2023 15:44
 Operator : CG\JU
 Sample : 03932-04 50X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB-01-Z67-69

Manual Integrations
 APPROVED

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

Quant Time: Aug 11 03:54:51 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	195044	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	766798	20.000	ng	# 0.00
39) Acenaphthene-d10	9.834	164	370752	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	595619	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	395313	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	378393	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	7549	0.588	ng	0.00
7) Phenol-d6	6.434	99	9887	0.603	ng	0.00
23) Nitrobenzene-d5	7.357	82	7820	0.637	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	2155	0.570	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	21267	0.954	ng	-0.01
79) Terphenyl-d14	12.916	244	20111	0.897	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.116	128	4313846	111.938	ng	97
37) 2-Methylnaphthalene	8.798	142	1350305	52.861	ng	99
38) 1-Methylnaphthalene	8.892	142	918666	38.675	ng	99
46) 1,1'-Biphenyl	9.257	154	202463	7.022	ng	99
49) Acenaphthylene	9.692	152	97621	2.875	ng	# 89
52) Acenaphthene	9.869	154	555135	25.226	ng	98
58) Fluorene	10.381	166	323825	14.192	ng	94
71) Phenanthrene	11.351	178	1164168	36.798	ng	99
72) Anthracene	11.398	178	343703	10.636	ng	100
75) Fluoranthene	12.539	202	431919	12.925	ng	96
78) Pyrene	12.769	202	616250	18.015	ng	98
81) Benzo(a)anthracene	13.963	228	242396m	8.575	ng	
83) Chrysene	13.998	228	194154	7.050	ng	98
88) Benzo(b)fluoranthene	15.016	252	117616m	5.096	ng	
90) Benzo(a)pyrene	15.380	252	130823	6.080	ng	# 96
92) Benzo(g,h,i)perylene	17.380	276	43998	2.398	ng	# 88

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

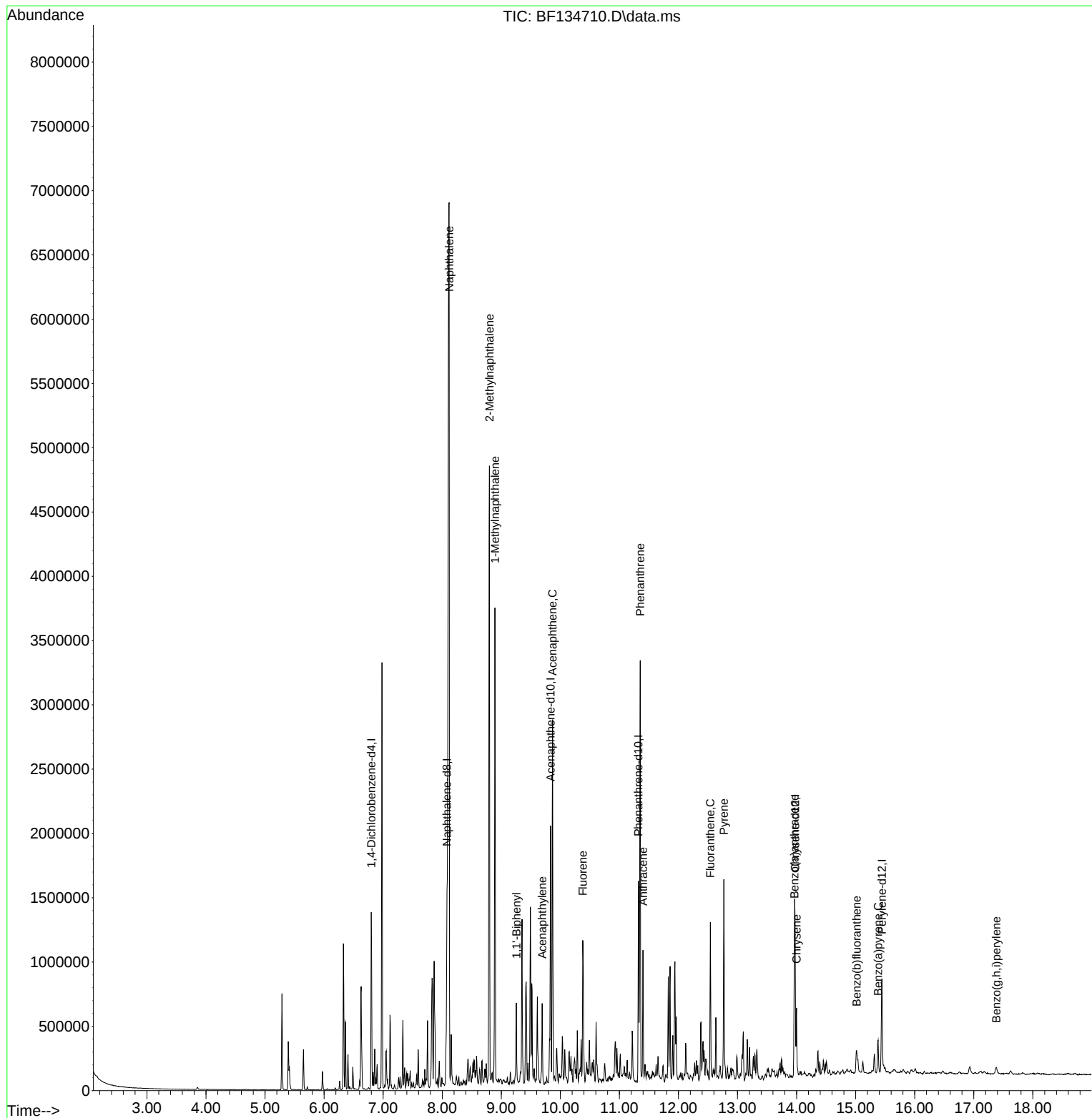
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081023\
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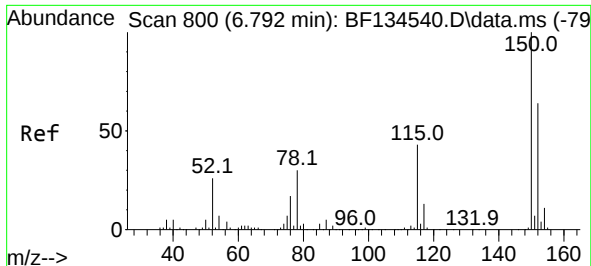
Instrument :
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Quant Time: Aug 11 03:54:51 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
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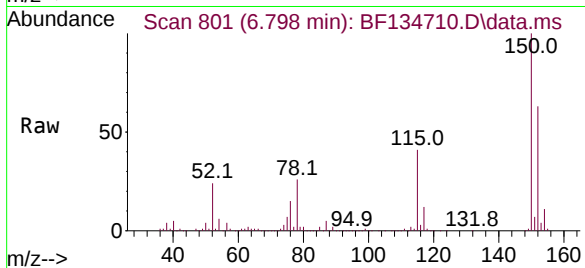
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134710.D
Acq: 10 Aug 2023 15:44

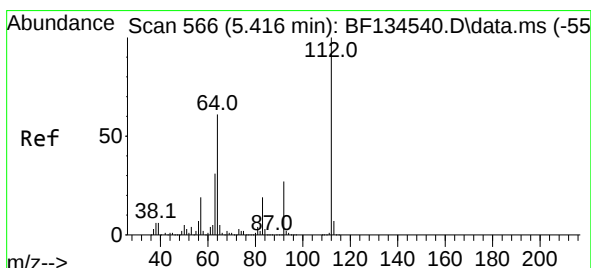
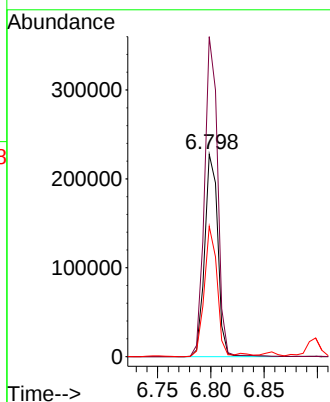
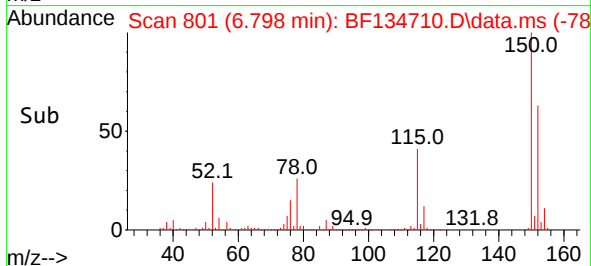
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z67-69



Tgt Ion:152 Resp: 195044
Ion Ratio Lower Upper
152 100
150 158.1 128.3 192.5
115 64.4 52.4 78.6

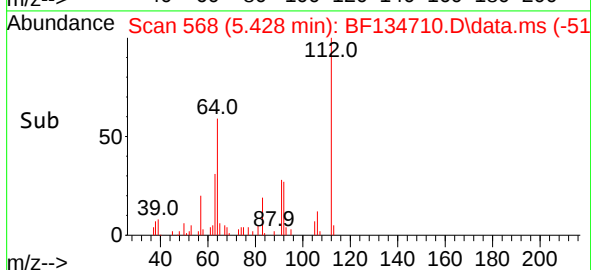
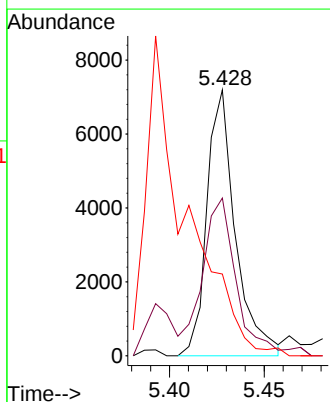
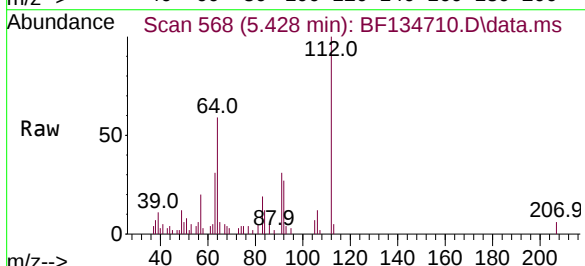
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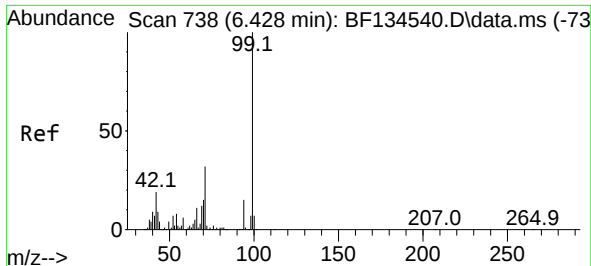
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023



#5
2-Fluorophenol
Concen: 0.588 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF134710.D
Acq: 10 Aug 2023 15:44

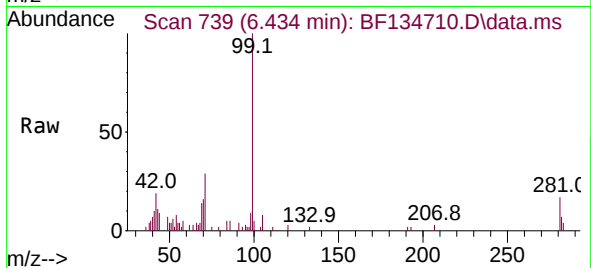
Tgt Ion:112 Resp: 7549
Ion Ratio Lower Upper
112 100
64 59.4 44.9 67.3
63 30.8 25.4 38.0





#7
Phenol-d6
Concen: 0.603 ng
RT: 6.434 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF134710.D
Acq: 10 Aug 2023 15:44

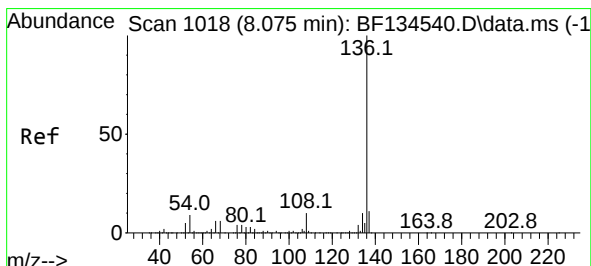
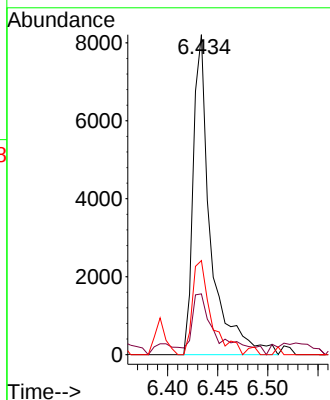
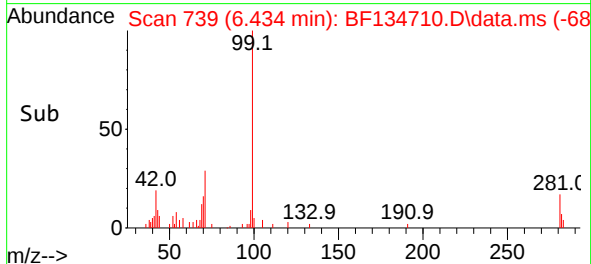
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z67-69



Tgt Ion: 99 Resp: 988
Ion Ratio Lower Upper
99 100
42 19.0 18.7 28.1
71 29.4 36.4 54.6

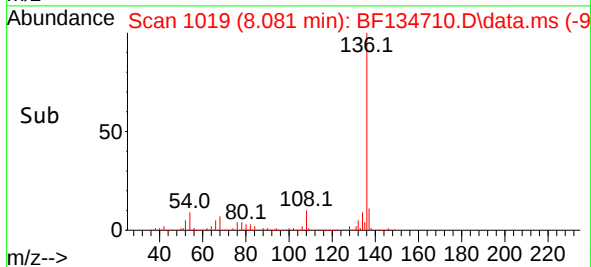
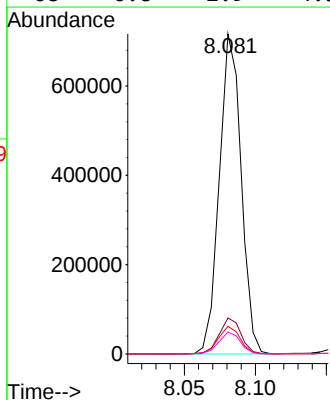
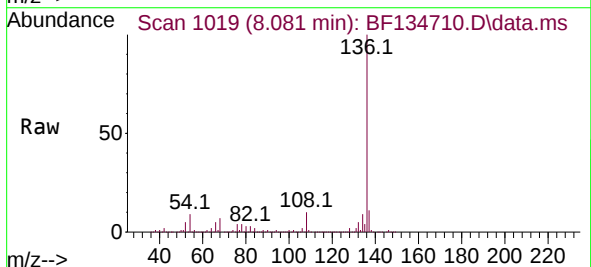
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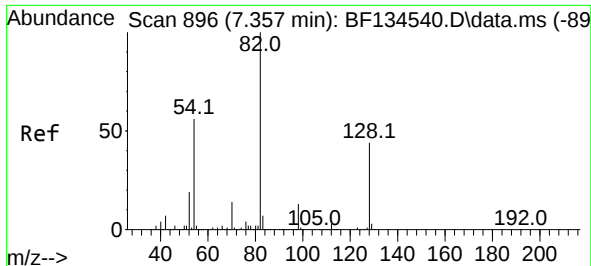
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF134710.D
Acq: 10 Aug 2023 15:44

Tgt Ion:136 Resp: 766798
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 8.6 5.2 7.8#
68 6.8 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 0.637 ng

RT: 7.357 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF134710.D

Acq: 10 Aug 2023 15:44

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB-01-Z67-69

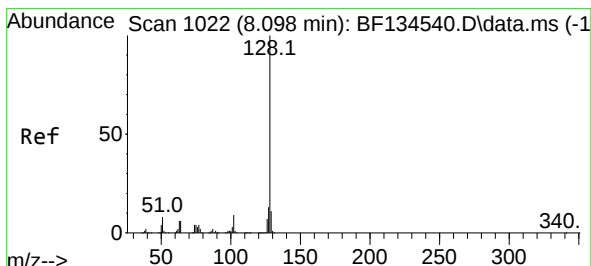
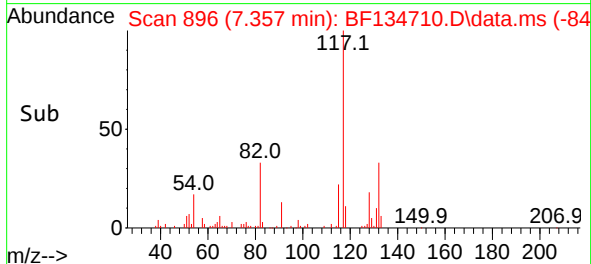
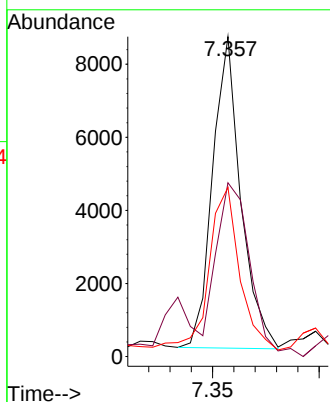
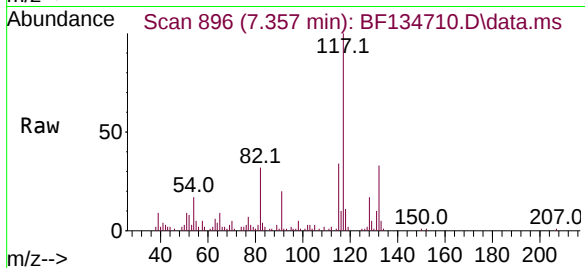
Tgt Ion: 82	Resp: 7820
Ion Ratio	Lower Upper
82	100
128	54.3 34.3 51.5
54	52.9 43.8 65.6

Manual Integrations

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Supervised By :mohammad ahmed 08/11/2023



#31

Naphthalene

Concen: 111.938 ng

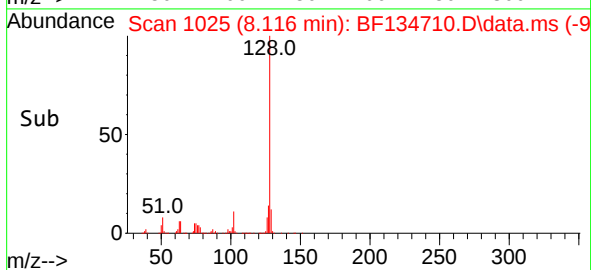
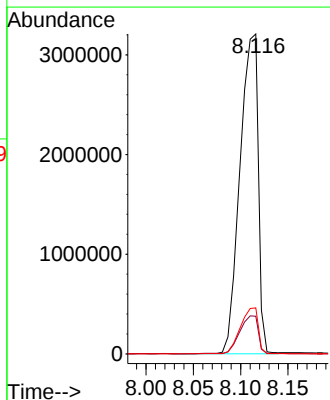
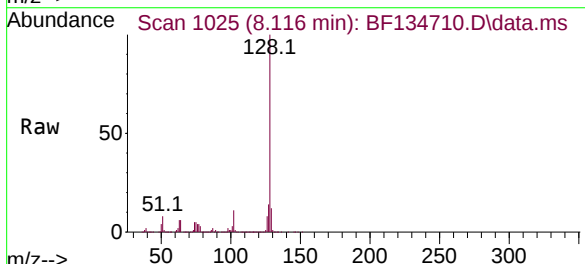
RT: 8.116 min Scan# 1025

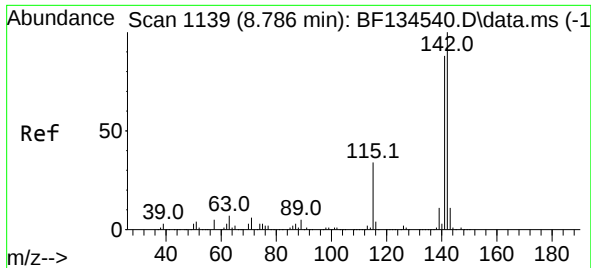
Delta R.T. 0.012 min

Lab File: BF134710.D

Acq: 10 Aug 2023 15:44

Tgt Ion:128	Resp: 4313846
Ion Ratio	Lower Upper
128	100
129	11.8 8.4 12.6
127	14.4 10.7 16.1





#37

2-Methylnaphthalene

Concen: 52.861 ng

RT: 8.798 min Scan# 1141

Delta R.T. 0.006 min

Lab File: BF134710.D

Acq: 10 Aug 2023 15:44

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB-01-Z67-69

Tgt Ion:142 Resp: 1350305

Ion Ratio Lower Upper

142 100

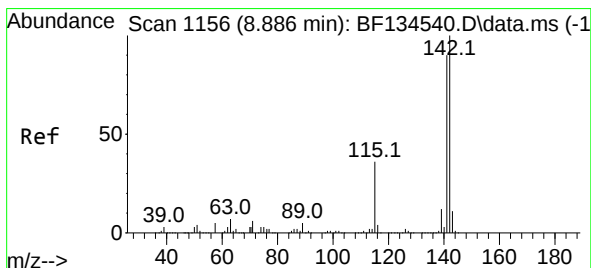
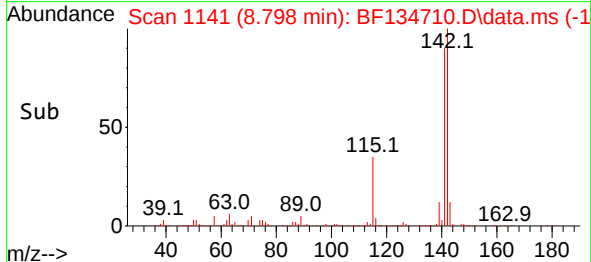
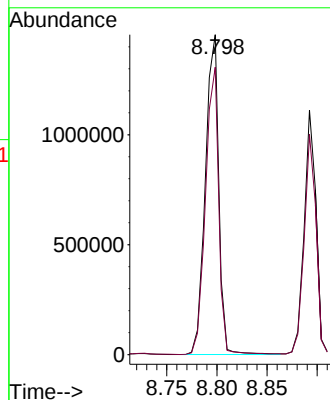
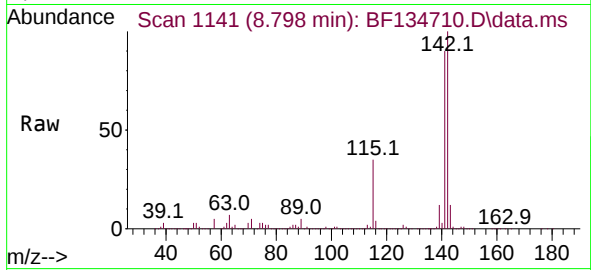
141 89.8 70.8 106.2

Manual Integrations

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Reviewed By :Yogesh Patel 08/11/2023

Supervised By :mohammad ahmed 08/11/2023



#38

1-Methylnaphthalene

Concen: 38.675 ng

RT: 8.892 min Scan# 1157

Delta R.T. 0.000 min

Lab File: BF134710.D

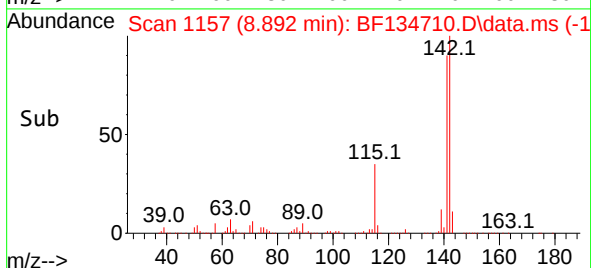
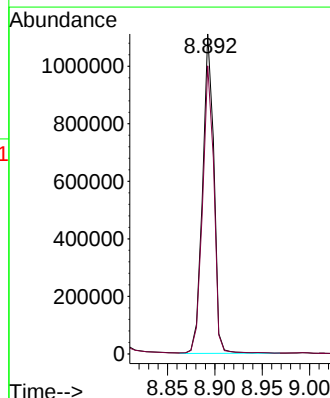
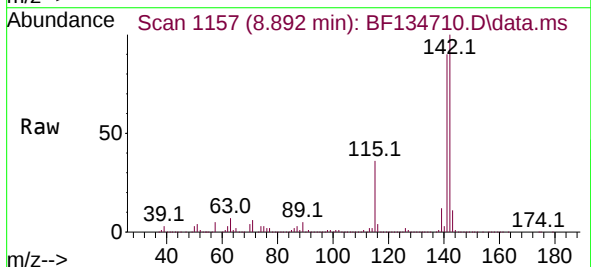
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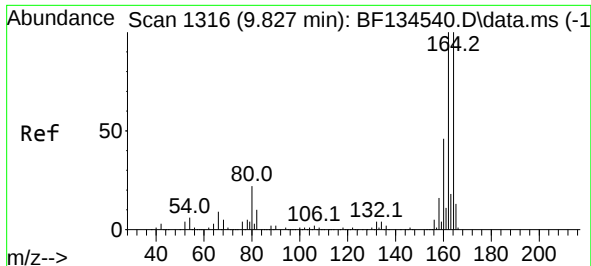
Tgt Ion:142 Resp: 918666

Ion Ratio Lower Upper

142 100

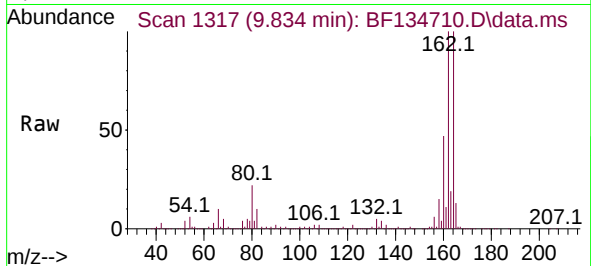
141 90.0 71.4 107.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 1316
Delta R.T. 0.000 min
Lab File: BF134710.D
Acq: 10 Aug 2023 15:44

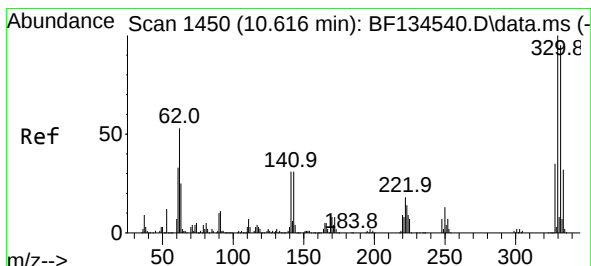
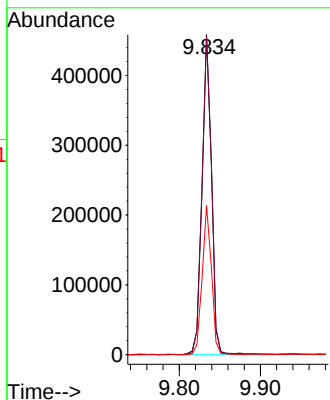
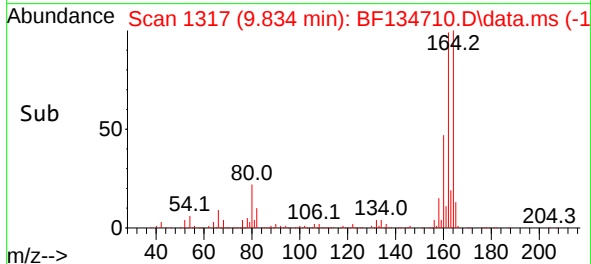
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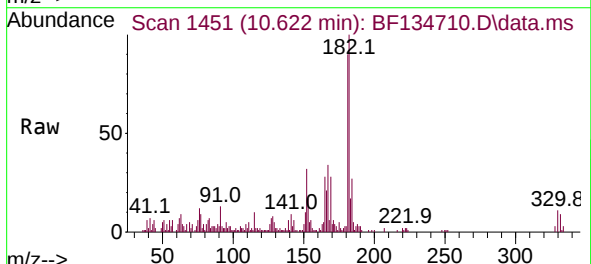
Tgt Ion:164 Resp: 370752
Ion Ratio Lower Upper
164 100
162 99.9 82.6 123.8
160 46.6 37.2 55.8

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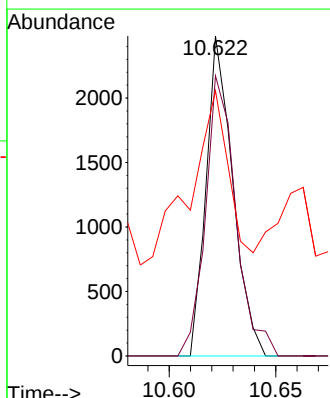
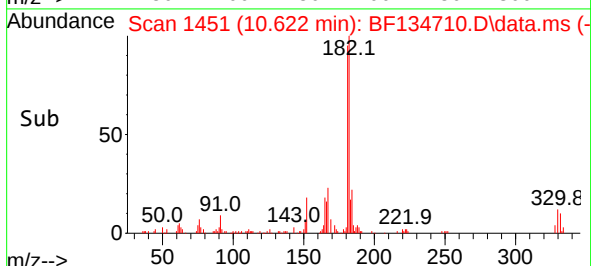
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023

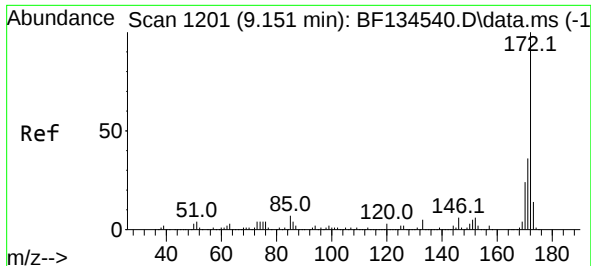


#42
2,4,6-Tribromophenol
Concen: 0.570 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134710.D
Acq: 10 Aug 2023 15:44



Tgt Ion:330 Resp: 2155
Ion Ratio Lower Upper
330 100
332 99.7 78.8 118.2
141 78.1 25.4 38.2#





#45

2-Fluorobiphenyl

Concen: 0.954 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF134710.D

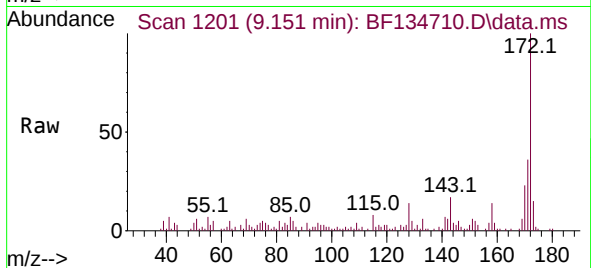
Acq: 10 Aug 2023 15:44

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB-01-Z67-69



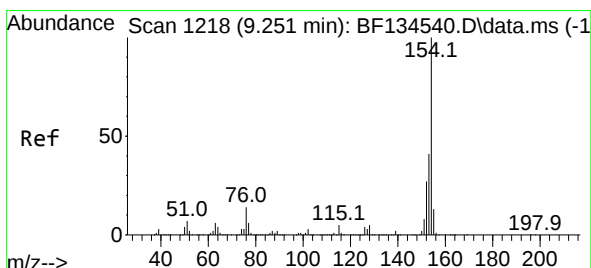
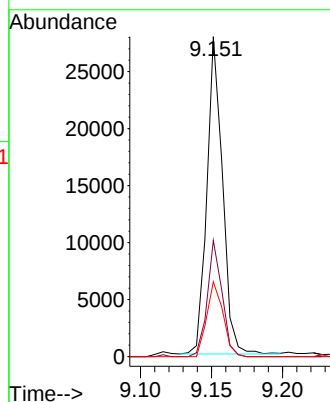
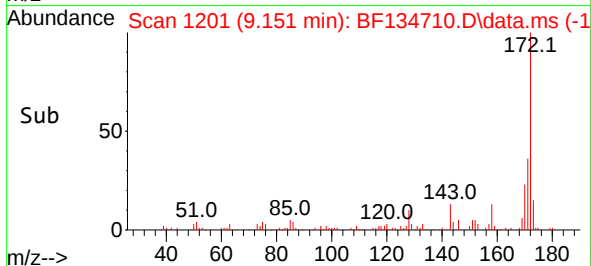
Tgt Ion:	172	Resp:	2126
Ion Ratio	Lower	Upper	
172	100		
171	36.3	28.8	43.2
170	23.4	18.7	28.1

Manual Integrations

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Supervised By :mohammad ahmed 08/11/2023



#46

1,1'-Biphenyl

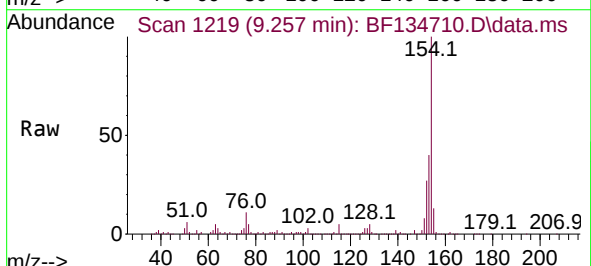
Concen: 7.022 ng

RT: 9.257 min Scan# 1219

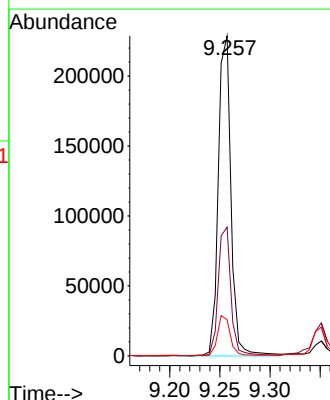
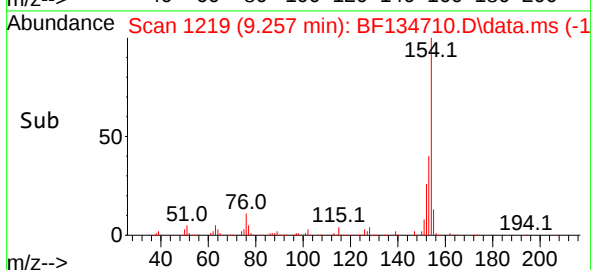
Delta R.T. -0.006 min

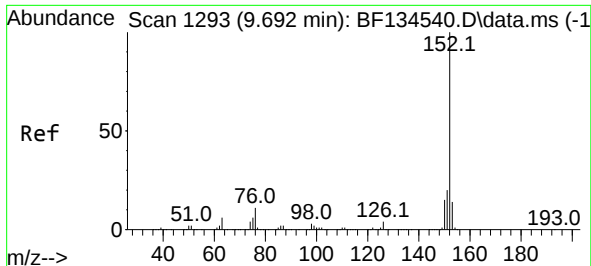
Lab File: BF134710.D

Acq: 10 Aug 2023 15:44



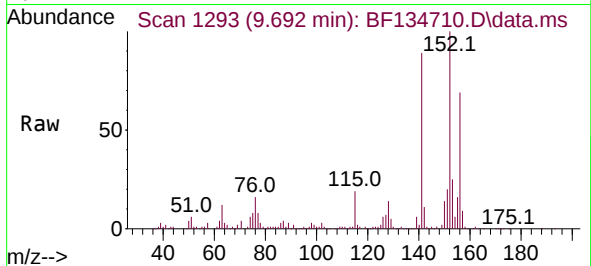
Tgt Ion:	154	Resp:	202463
Ion Ratio	Lower	Upper	
154	100		
153	40.2	20.8	60.8
76	11.3	0.0	30.2





#49
Acenaphthylene
Concen: 2.875 ng
RT: 9.692 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BF134710.D
Acq: 10 Aug 2023 15:44

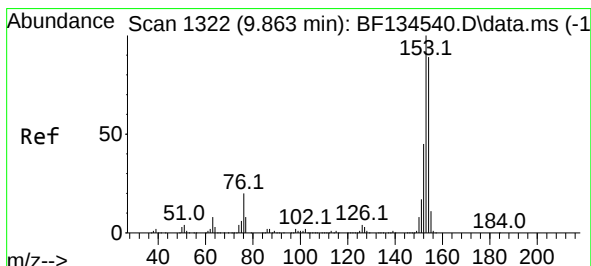
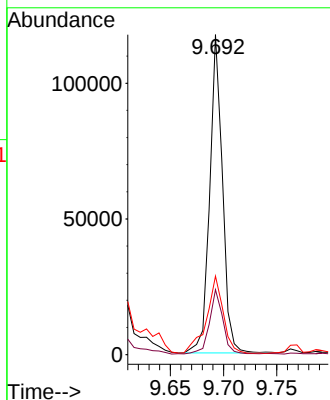
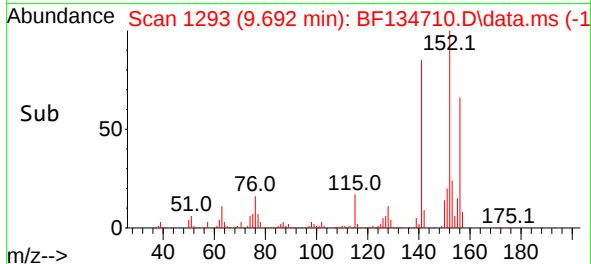
Instrument : BNA_F
ClientSampleId : NEVINS-SB-01-Z67-69



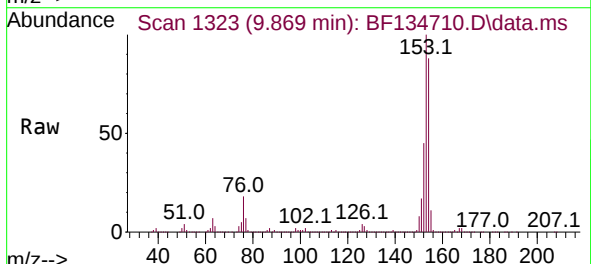
Tgt Ion:152 Resp: 97621
Ion Ratio Lower Upper
152 100
151 20.3 16.4 24.6
153 24.5 10.9 16.3

Manual Integrations
APPROVED

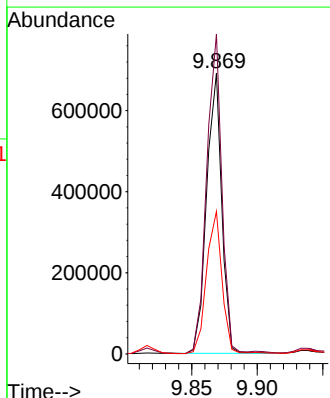
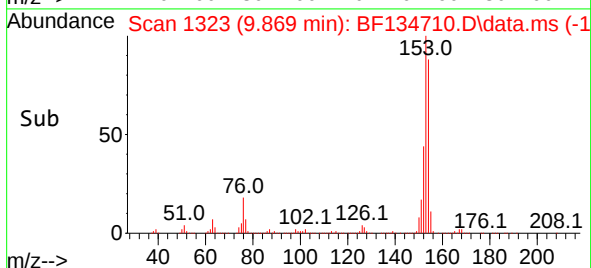
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023

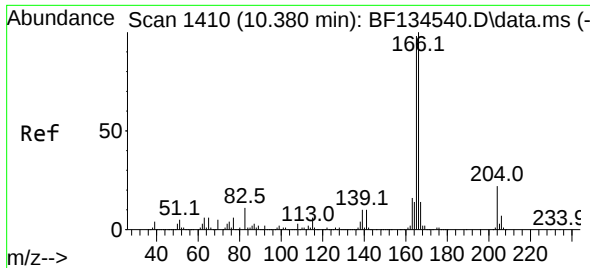


#52
Acenaphthene
Concen: 25.226 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF134710.D
Acq: 10 Aug 2023 15:44



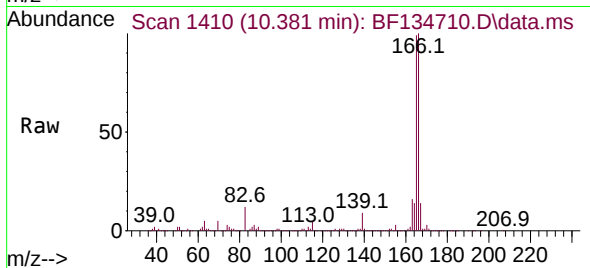
Tgt Ion:154 Resp: 555135
Ion Ratio Lower Upper
154 100
153 114.0 90.0 135.0
152 50.7 42.4 63.6





#58
Fluorene
Concen: 14.192 ng
RT: 10.381 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF134710.D
Acq: 10 Aug 2023 15:44

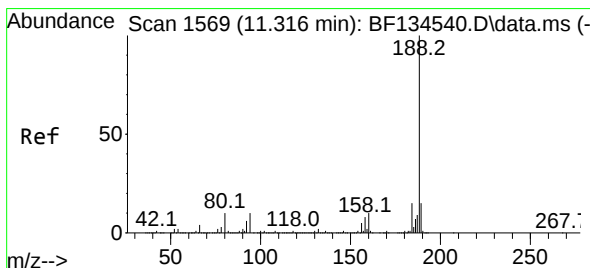
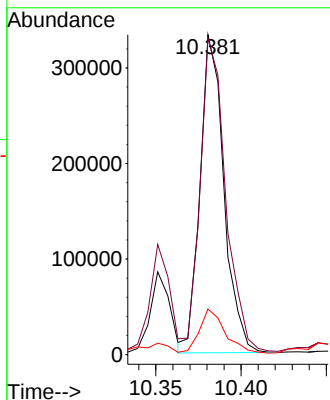
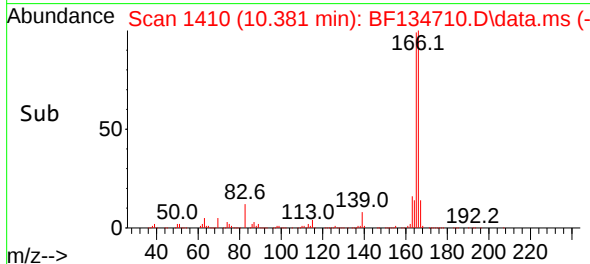
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z67-69



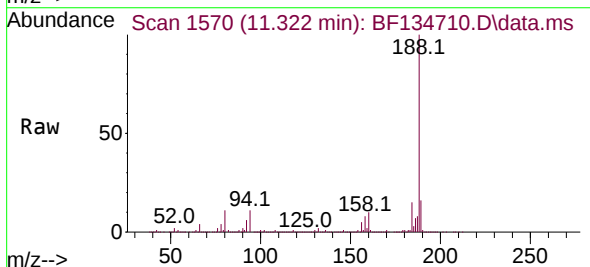
Tgt Ion:166 Resp: 323825
Ion Ratio Lower Upper
166 100
165 98.8 74.5 111.7
167 14.2 10.6 16.0

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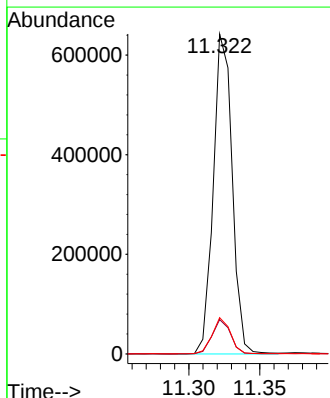
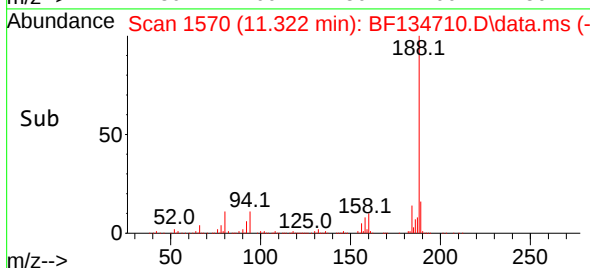
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023

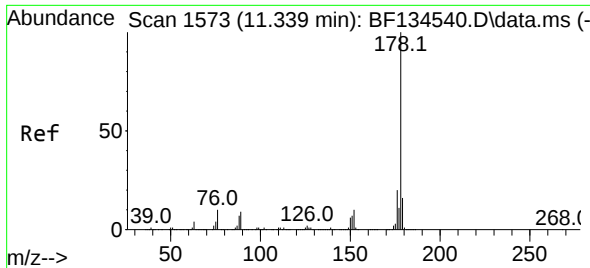


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF134710.D
Acq: 10 Aug 2023 15:44



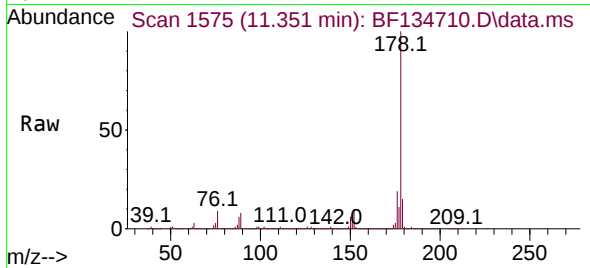
Tgt Ion:188 Resp: 595619
Ion Ratio Lower Upper
188 100
94 10.7 5.1 7.7#
80 11.3 6.6 9.8#





#71
Phenanthrene
Concen: 36.798 ng
RT: 11.351 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134710.D
Acq: 10 Aug 2023 15:44

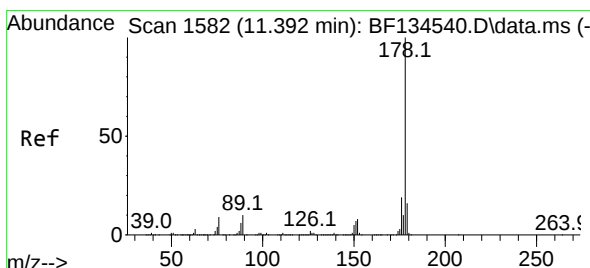
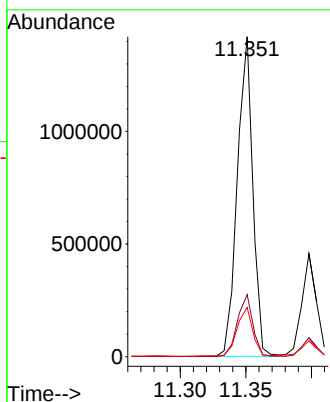
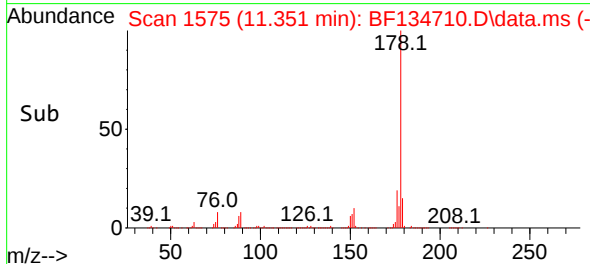
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z67-69



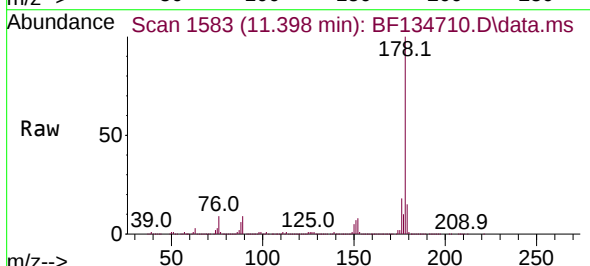
Tgt Ion:178 Resp: 1164168
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.6
179 15.4 12.7 19.1

Manual Integrations
APPROVED

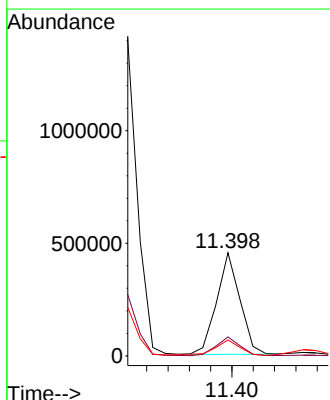
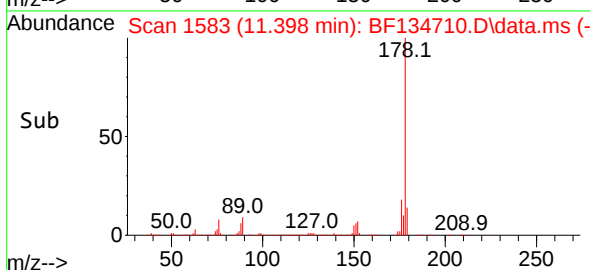
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023

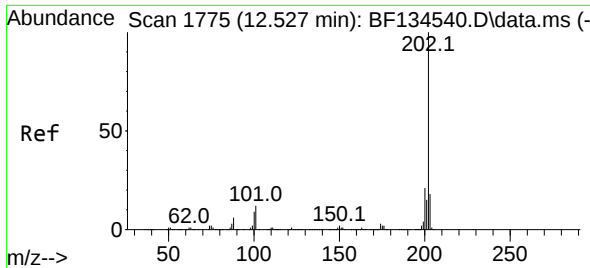


#72
Anthracene
Concen: 10.636 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF134710.D
Acq: 10 Aug 2023 15:44



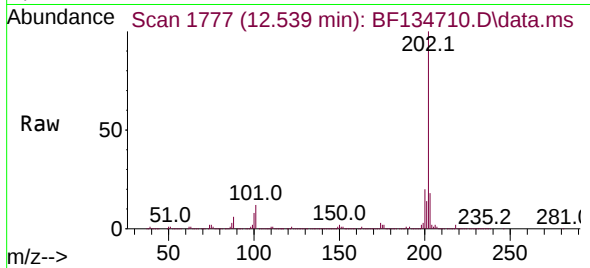
Tgt Ion:178 Resp: 343703
Ion Ratio Lower Upper
178 100
176 18.4 14.6 21.8
179 15.5 12.3 18.5





#75
Fluoranthene
Concen: 12.925 ng
RT: 12.539 min Scan# 1777
Delta R.T. 0.000 min
Lab File: BF134710.D
Acq: 10 Aug 2023 15:44

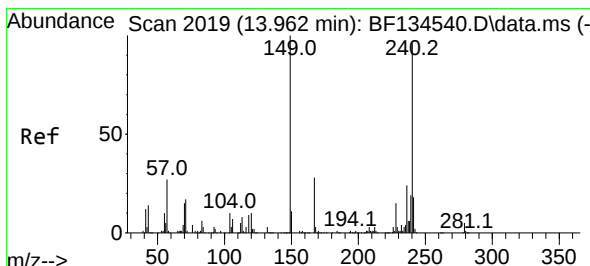
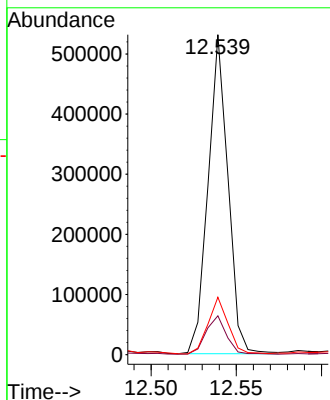
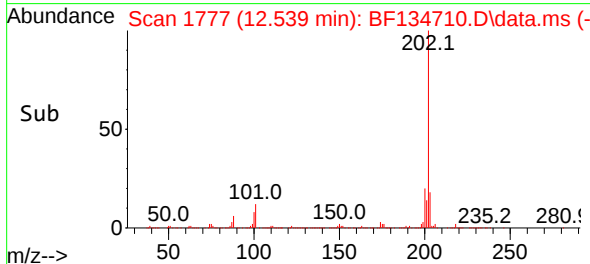
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z67-69



Tgt Ion:202 Resp: 431919
Ion Ratio Lower Upper
202 100
101 12.1 0.0 28.5
203 17.9 0.0 37.5

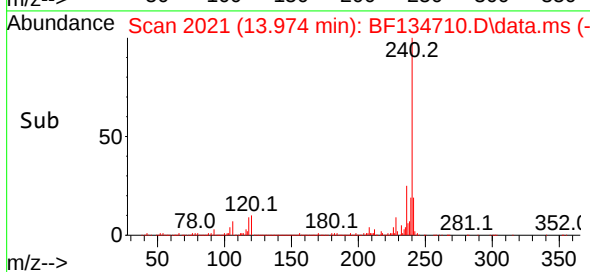
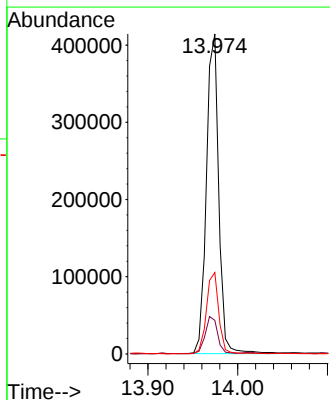
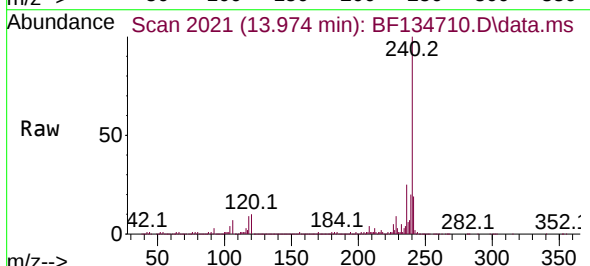
Manual Integrations
APPROVED

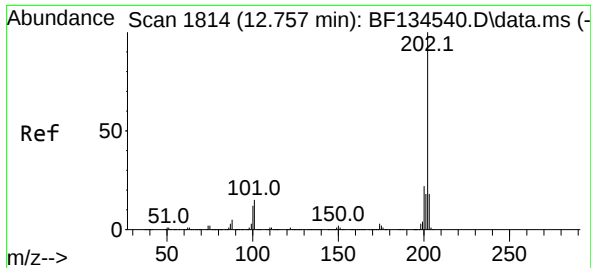
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF134710.D
Acq: 10 Aug 2023 15:44

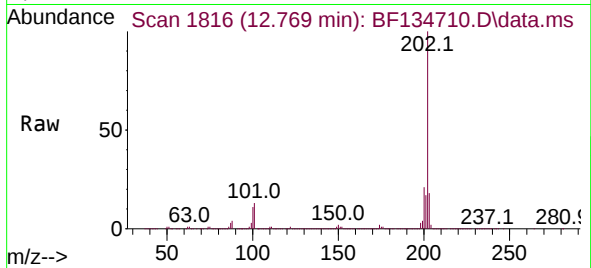
Tgt Ion:240 Resp: 395313
Ion Ratio Lower Upper
240 100
120 10.5 6.6 10.0#
236 25.4 20.2 30.2





#78
Pyrene
Concen: 18.015 ng
RT: 12.769 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF134710.D
Acq: 10 Aug 2023 15:44

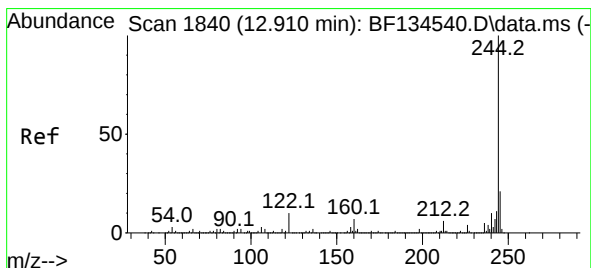
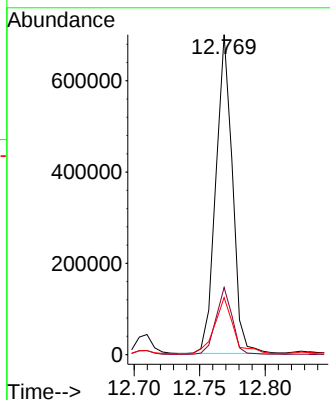
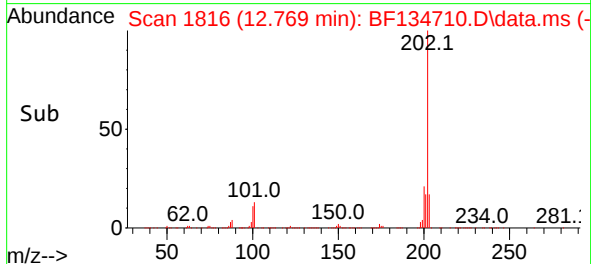
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z67-69



Tgt Ion:202 Resp: 616250
Ion Ratio Lower Upper
202 100
200 21.0 15.8 23.8
203 17.8 13.5 20.3

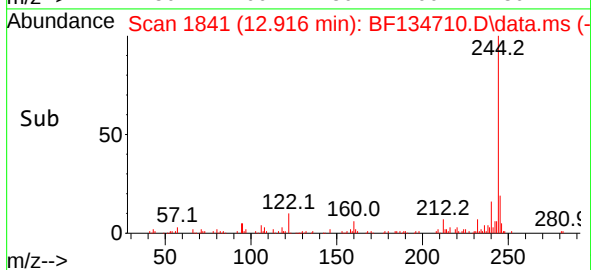
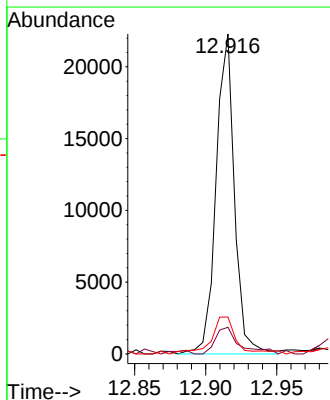
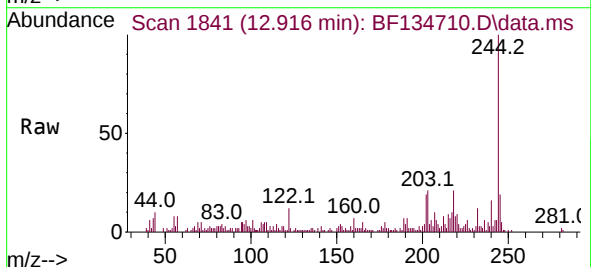
Manual Integrations
APPROVED

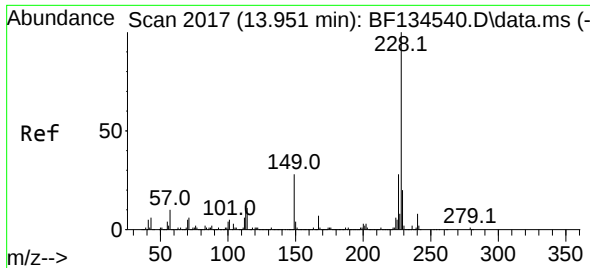
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023



#79
Terphenyl-d14
Concen: 0.897 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BF134710.D
Acq: 10 Aug 2023 15:44

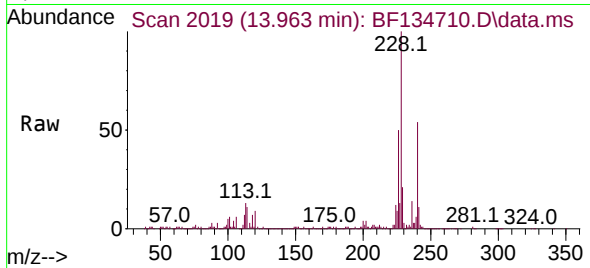
Tgt Ion:244 Resp: 20111
Ion Ratio Lower Upper
244 100
212 8.3 5.6 8.4
122 11.5 8.0 12.0





#81
Benzo(a)anthracene
Concen: 8.575 ng m
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF134710.D
Acq: 10 Aug 2023 15:44

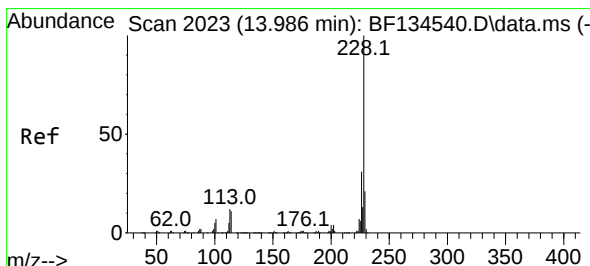
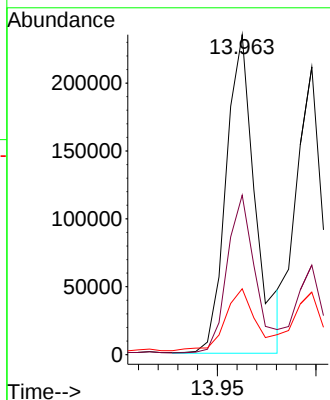
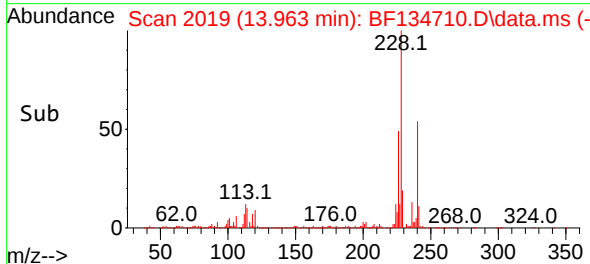
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z67-69



Tgt Ion:228 Resp: 242396
Ion Ratio Lower Upper
228 100
226 49.8 22.3 33.5
229 20.6 15.8 23.6

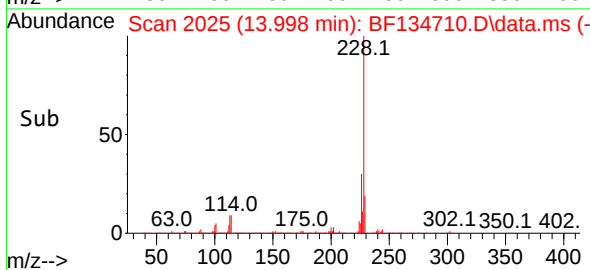
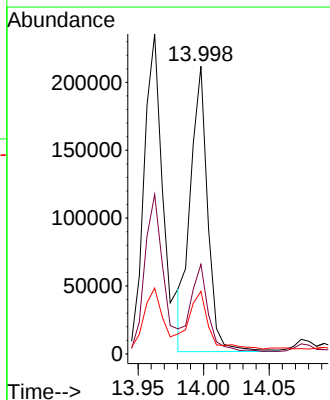
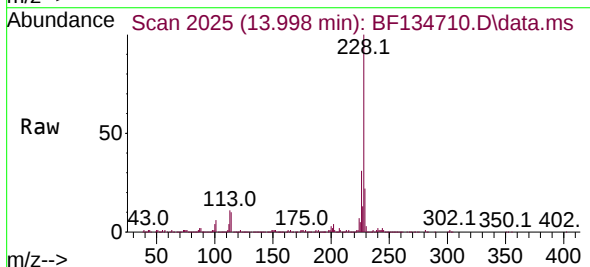
Manual Integrations
APPROVED

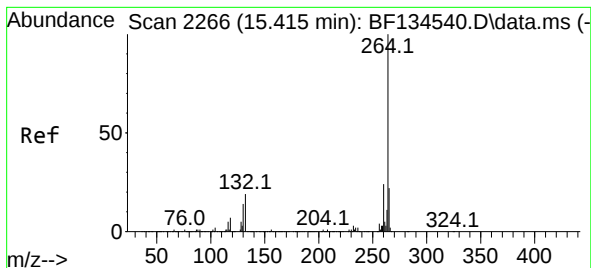
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023



#83
Chrysene
Concen: 7.050 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF134710.D
Acq: 10 Aug 2023 15:44

Tgt Ion:228 Resp: 194154
Ion Ratio Lower Upper
228 100
226 31.1 24.5 36.7
229 21.7 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: BF134710.D

Acq: 10 Aug 2023 15:44

Instrument :

BNA_F

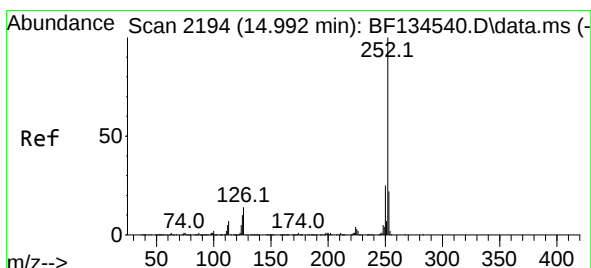
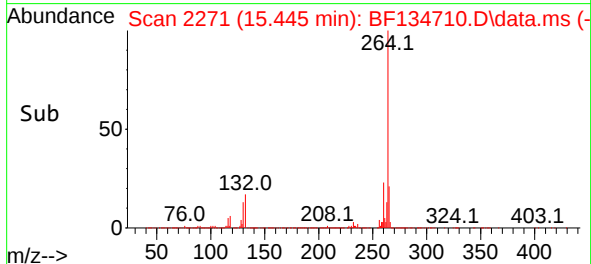
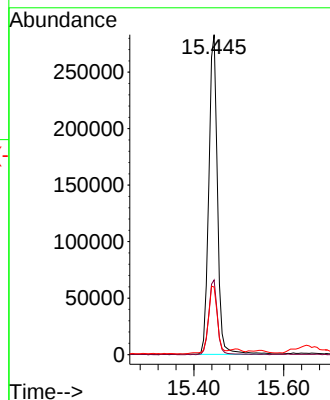
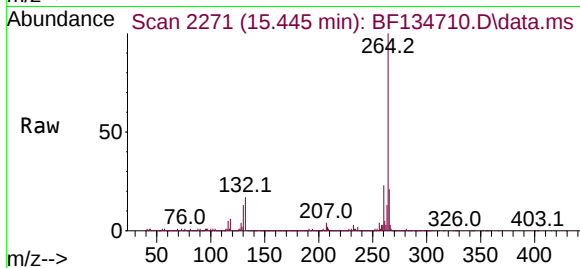
ClientSampleId :

NEVINS-SB-01-Z67-69

Tgt Ion:264 Resp: 378393
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.4 27.6
 265 21.1 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: 5.096 ng m

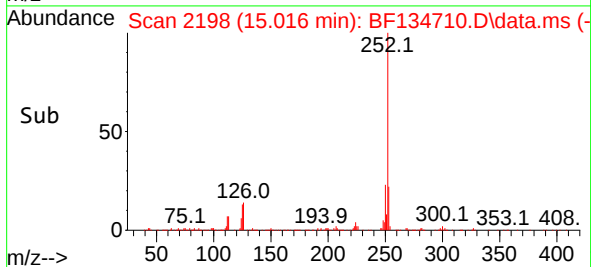
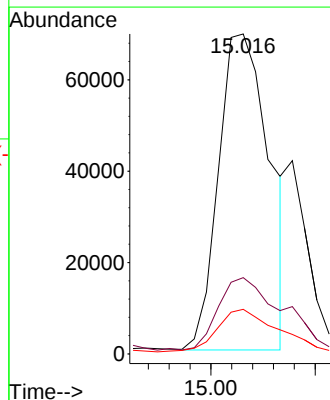
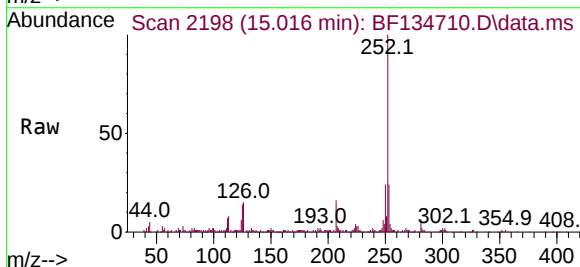
RT: 15.016 min Scan# 2198

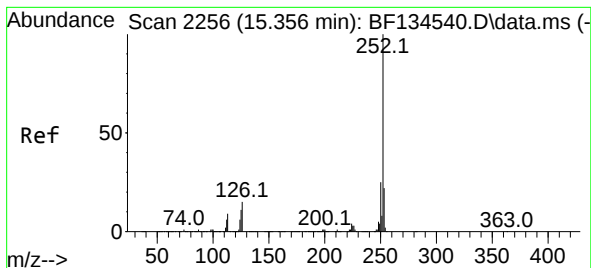
Delta R.T. 0.006 min

Lab File: BF134710.D

Acq: 10 Aug 2023 15:44

Tgt Ion:252 Resp: 117616
 Ion Ratio Lower Upper
 252 100
 253 23.8 17.3 25.9
 125 13.9 6.0 9.0#





#90

Benzo(a)pyrene

Concen: 6.080 ng

RT: 15.380 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF134710.D

Acq: 10 Aug 2023 15:44

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB-01-Z67-69

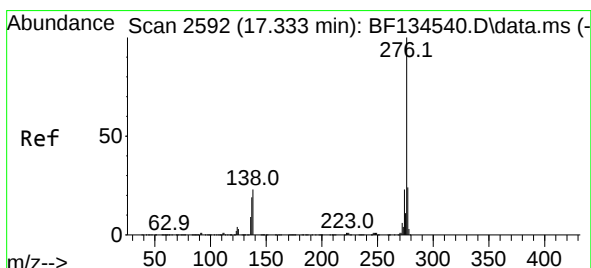
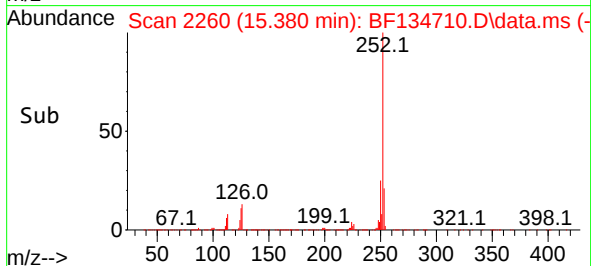
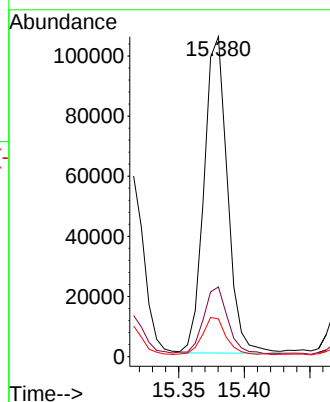
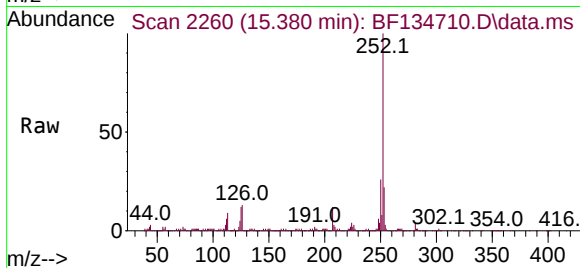
Tgt Ion:	252	Resp:	130823
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.0	25.4
125	11.8	6.2	9.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/11/2023

Supervised By :mohammad ahmed 08/11/2023



#92

Benzo(g,h,i)perylene

Concen: 2.398 ng

RT: 17.380 min Scan# 2600

Delta R.T. 0.006 min

Lab File: BF134710.D

Acq: 10 Aug 2023 15:44

Tgt Ion:	276	Resp:	43998
Ion Ratio	Lower	Upper	
276	100		
277	25.4	19.0	28.6
138	26.0	12.2	18.2

