

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081023\
 Data File : BF134712.D
 Acq On : 10 Aug 2023 16:49
 Operator : CG\JU
 Sample : 03932-01DL 100X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB-01-Z18-20DL

Manual Integrations
 APPROVED

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

Quant Time: Aug 11 03:55:32 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	151894	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	604945	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	292702	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	474150	20.000	ng	# 0.00
76) Chrysene-d12	13.969	240	318757	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	298958	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	3207	0.321	ng	0.00
7) Phenol-d6	6.434	99	3158	0.247	ng	0.00
23) Nitrobenzene-d5	7.357	82	3805m	0.393	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	984	0.330	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	11074	0.629	ng	-0.01
79) Terphenyl-d14	12.910	244	10890	0.602	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.104	128	2355742	77.483	ng	98
37) 2-Methylnaphthalene	8.792	142	791547	39.278	ng	100
38) 1-Methylnaphthalene	8.892	142	507509	27.082	ng	98
46) 1,1'-Biphenyl	9.251	154	96230	4.228	ng	96
52) Acenaphthene	9.869	154	321095	18.482	ng	98
58) Fluorene	10.381	166	148482	8.242	ng	93
71) Phenanthrene	11.345	178	612555	24.322	ng	99
72) Anthracene	11.398	178	179199	6.966	ng	99
75) Fluoranthene	12.539	202	191837	7.211	ng	98
78) Pyrene	12.769	202	290686	10.539	ng	99
81) Benzo(a)anthracene	13.957	228	98876m	4.338	ng	
83) Chrysene	13.998	228	93905	4.229	ng	97
88) Benzo(b)fluoranthene	15.010	252	45563m	2.499	ng	
90) Benzo(a)pyrene	15.374	252	55577	3.269	ng	# 94

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

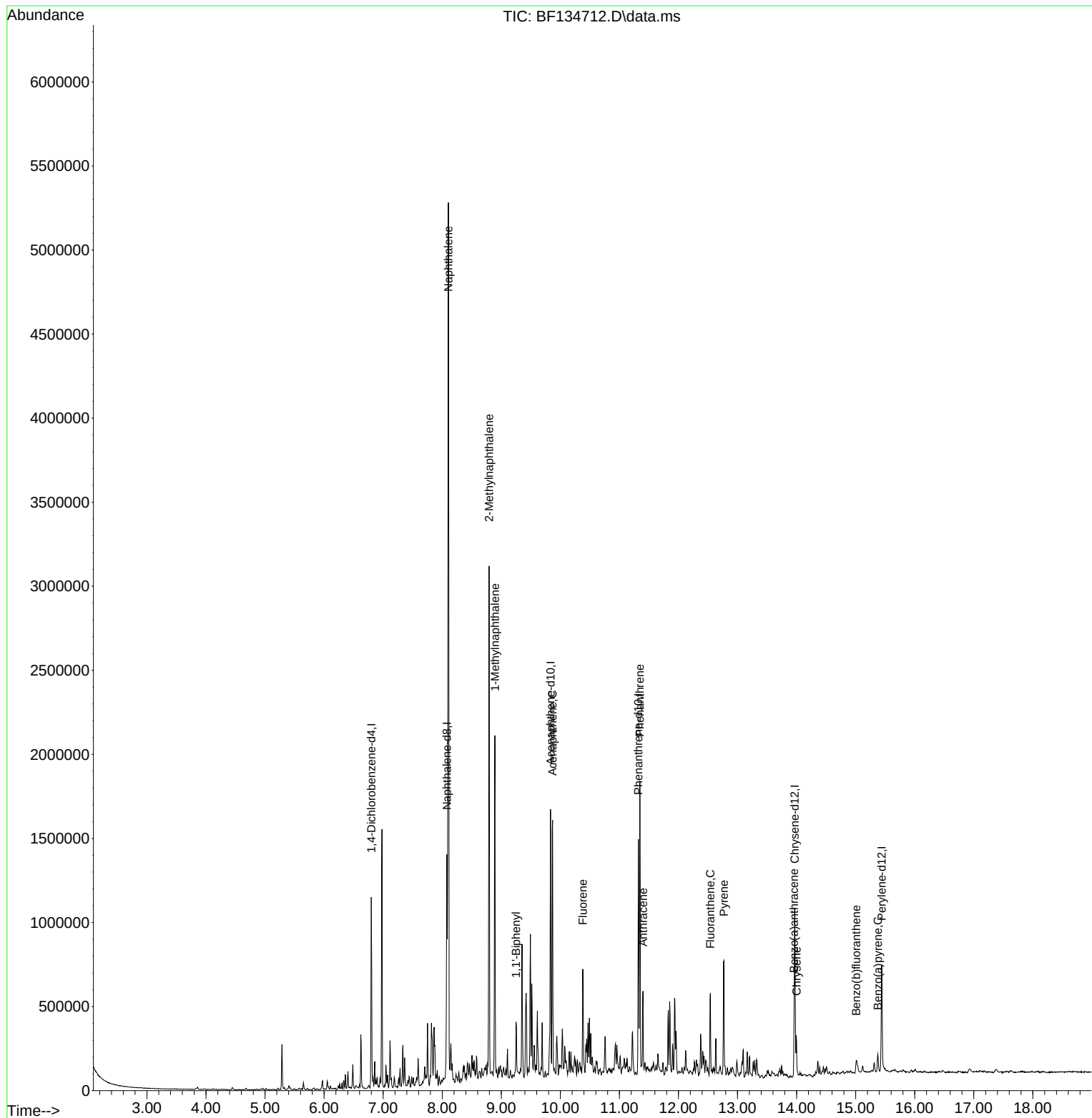
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081023\
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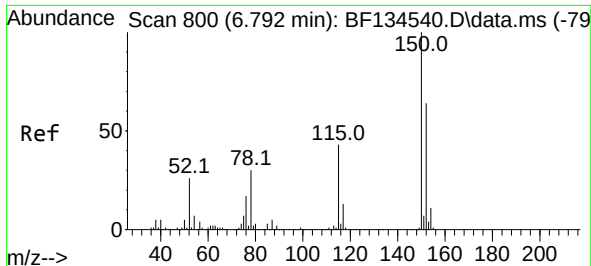
Instrument :
BNA_F
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NEVINS-SB-01-Z18-20DL

Quant Time: Aug 11 03:55:32 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
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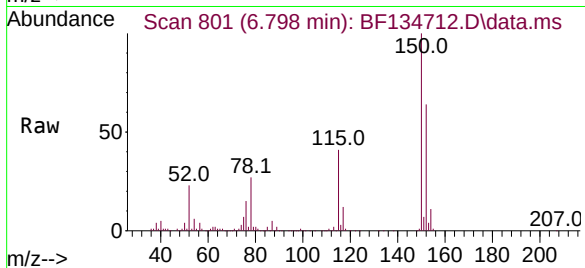
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134712.D
Acq: 10 Aug 2023 16:49

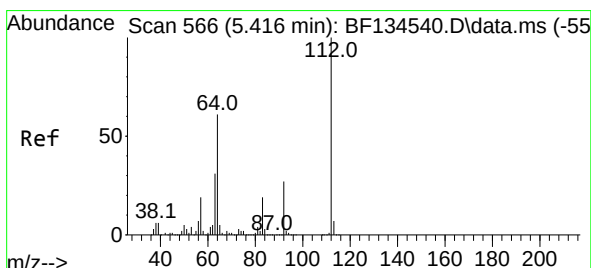
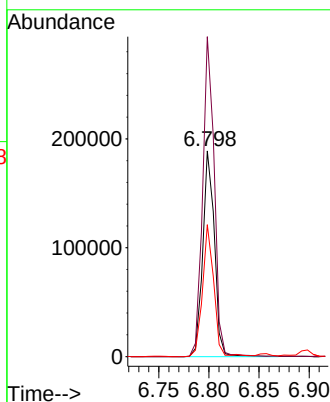
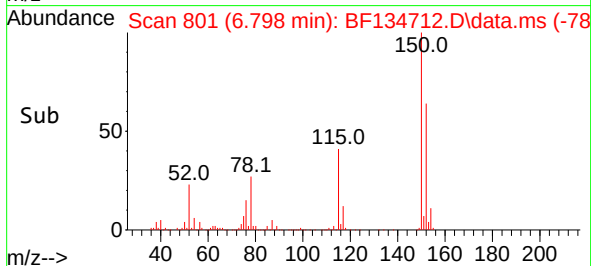
Instrument :
BNA_F
Client SampleId :
NEVINS-SB-01-Z18-20DL



Tgt Ion:152 Resp: 151894
Ion Ratio Lower Upper
152 100
150 155.5 128.3 192.5
115 64.1 52.4 78.6

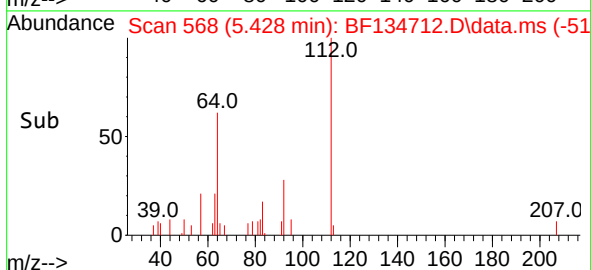
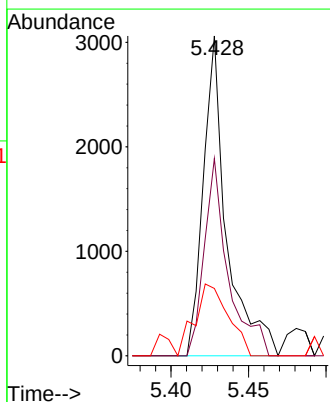
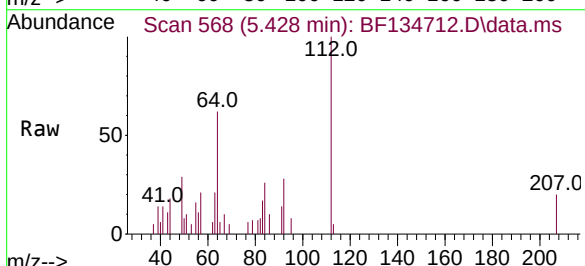
Manual Integrations
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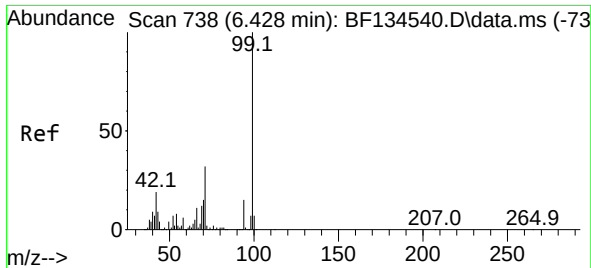
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023



#5
2-Fluorophenol
Concen: 0.321 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF134712.D
Acq: 10 Aug 2023 16:49

Tgt Ion:112 Resp: 3207
Ion Ratio Lower Upper
112 100
64 61.7 44.9 67.3
63 21.1 25.4 38.0#





#7

Phenol-d6

Concen: 0.247 ng

RT: 6.434 min Scan# 738

Delta R.T. -0.006 min

Lab File: BF134712.D

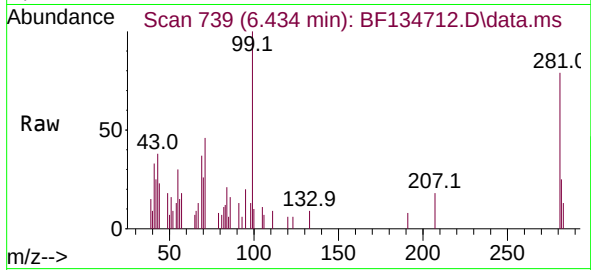
Acq: 10 Aug 2023 16:49

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB-01-Z18-20DL



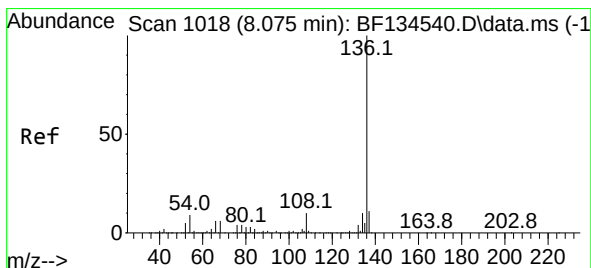
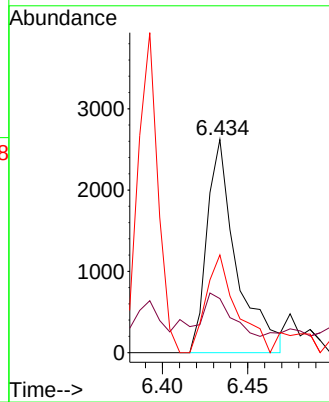
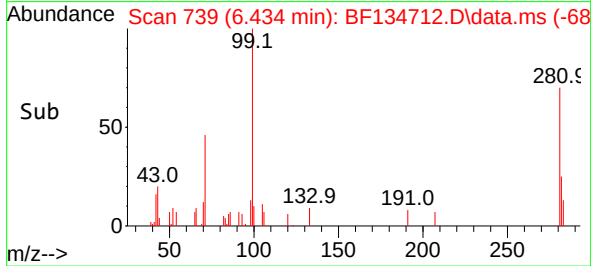
Tgt Ion:	99	Resp:	3158
Ion Ratio	100	Lower	Upper
99	100		
42	25.3	18.7	28.1
71	45.8	36.4	54.6

Manual Integrations

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#21

Naphthalene-d8

Concen: 20.000 ng

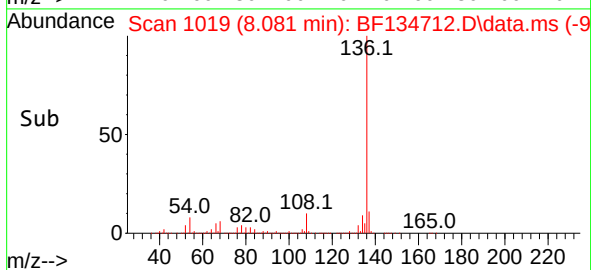
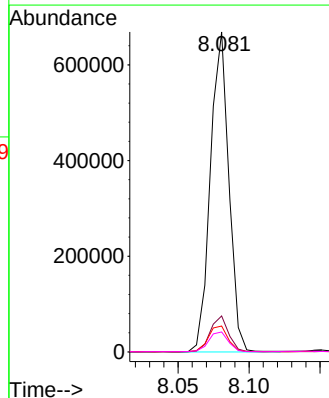
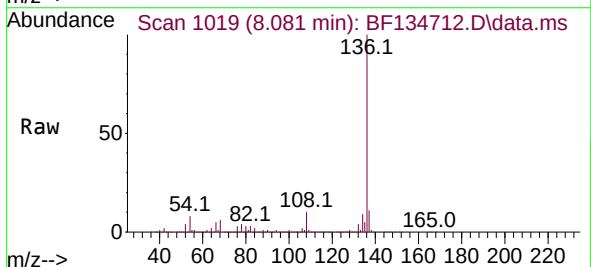
RT: 8.081 min Scan# 1019

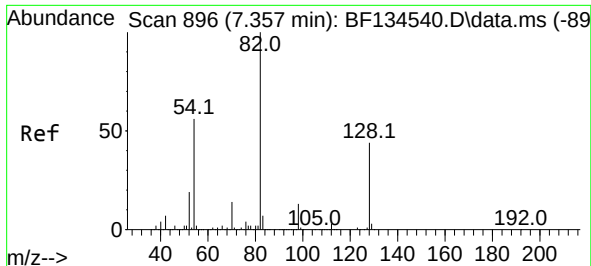
Delta R.T. 0.000 min

Lab File: BF134712.D

Acq: 10 Aug 2023 16:49

Tgt Ion:	136	Resp:	604945
Ion Ratio	100	Lower	Upper
136	100		
137	11.2	8.4	12.6
54	8.1	5.2	7.8#
68	6.2	2.9	4.3#





#23

Nitrobenzene-d5

Concen: 0.393 ng m

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF134712.D

Acq: 10 Aug 2023 16:49

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB-01-Z18-20DL

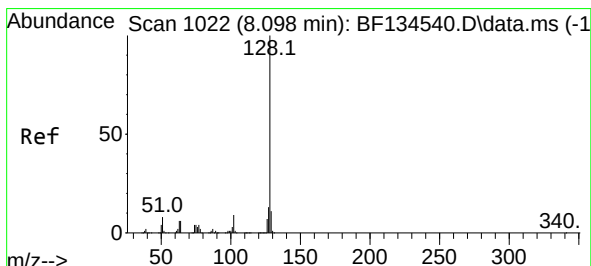
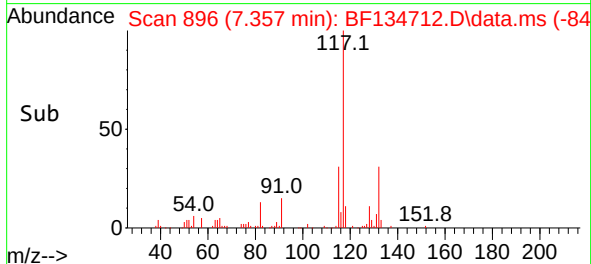
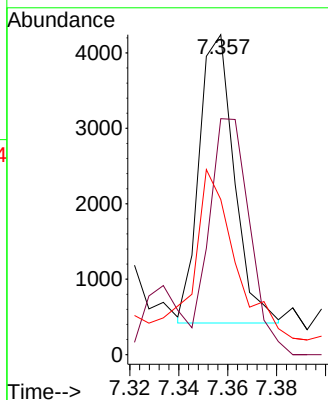
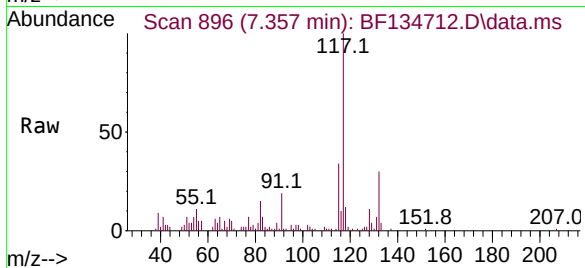
Tgt Ion:	82	Resp:	3805
Ion Ratio	Lower	Upper	
82	100		
128	73.7	34.3	51.5
54	48.5	43.8	65.6

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#31

Naphthalene

Concen: 77.483 ng

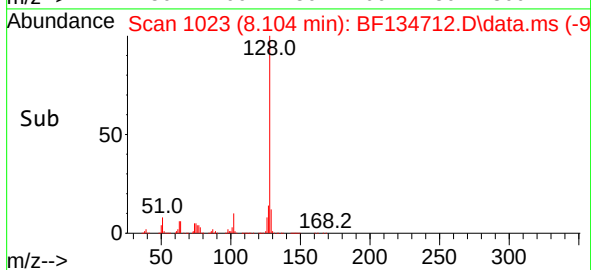
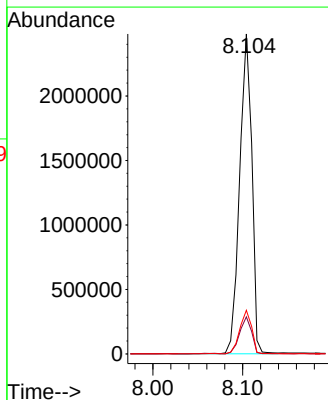
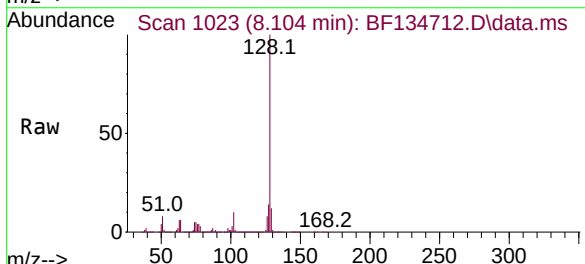
RT: 8.104 min Scan# 1023

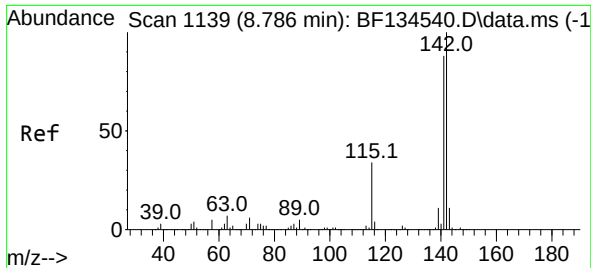
Delta R.T. 0.000 min

Lab File: BF134712.D

Acq: 10 Aug 2023 16:49

Tgt Ion:	128	Resp:	2355742
Ion Ratio	Lower	Upper	
128	100		
129	11.6	8.4	12.6
127	13.6	10.7	16.1





#37

2-Methylnaphthalene

Concen: 39.278 ng

RT: 8.792 min Scan# 1139

Delta R.T. 0.000 min

Lab File: BF134712.D

Acq: 10 Aug 2023 16:49

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB-01-Z18-20DL

Tgt Ion:142 Resp: 79154

Ion Ratio Lower Upper

142 100

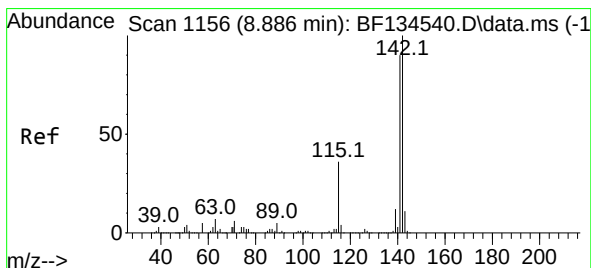
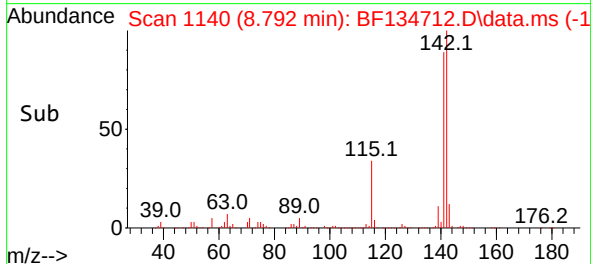
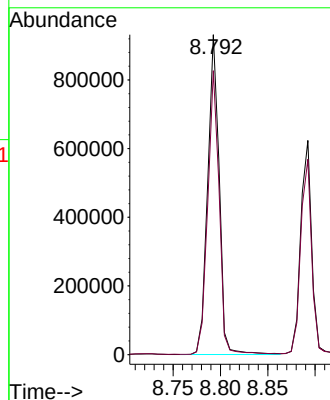
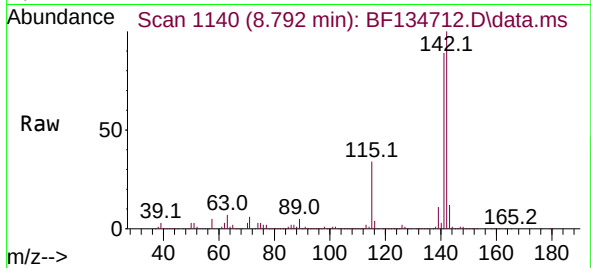
141 88.7 70.8 106.2

Manual Integrations

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Supervised By :mohammad ahmed 08/11/2023



#38

1-Methylnaphthalene

Concen: 27.082 ng

RT: 8.892 min Scan# 1157

Delta R.T. 0.000 min

Lab File: BF134712.D

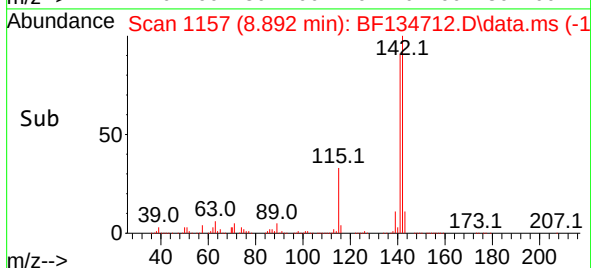
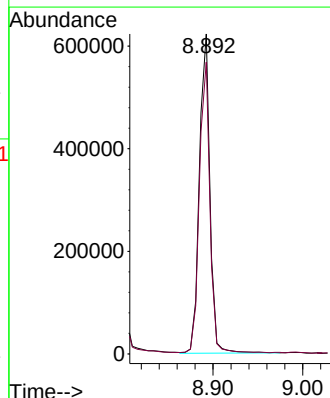
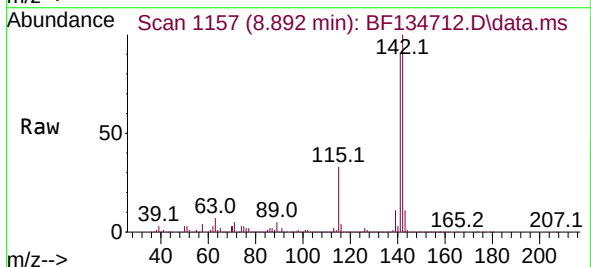
Acq: 10 Aug 2023 16:49

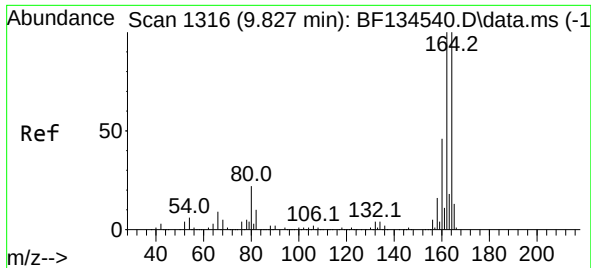
Tgt Ion:142 Resp: 507509

Ion Ratio Lower Upper

142 100

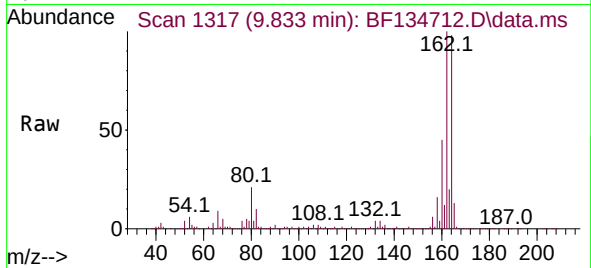
141 91.2 71.4 107.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1316
Delta R.T. 0.000 min
Lab File: BF134712.D
Acq: 10 Aug 2023 16:49

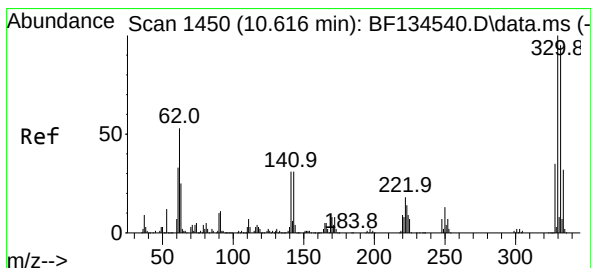
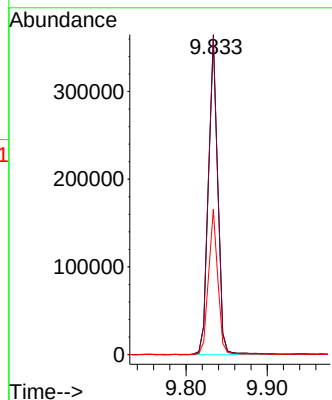
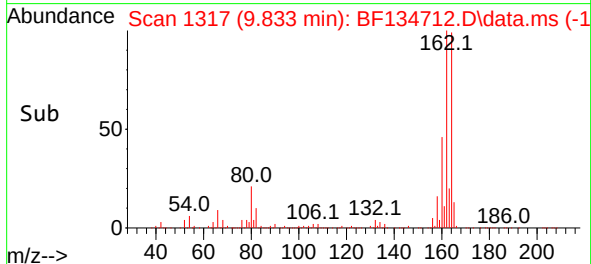
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z18-20DL



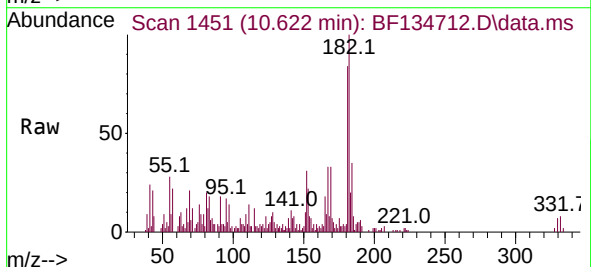
Tgt Ion:164 Resp: 292702
Ion Ratio Lower Upper
164 100
162 101.7 82.6 123.8
160 46.2 37.2 55.8

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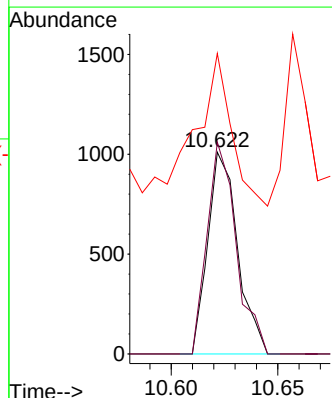
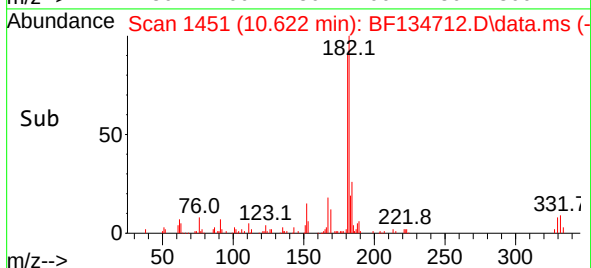
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023

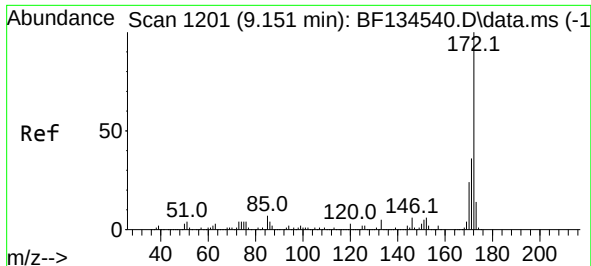


#42
2,4,6-Tribromophenol
Concen: 0.330 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134712.D
Acq: 10 Aug 2023 16:49



Tgt Ion:330 Resp: 984
Ion Ratio Lower Upper
330 100
332 102.2 78.8 118.2
141 86.9 25.4 38.2#





#45

2-Fluorobiphenyl

Concen: 0.629 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF134712.D

Acq: 10 Aug 2023 16:49

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB-01-Z18-20DL

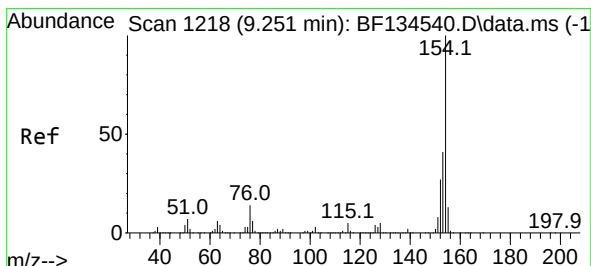
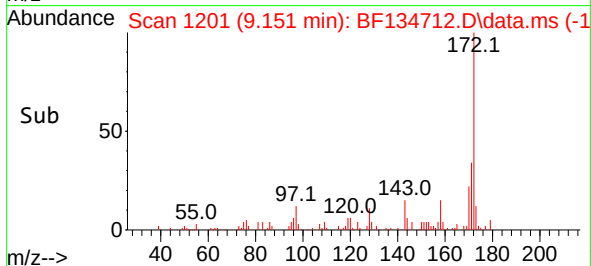
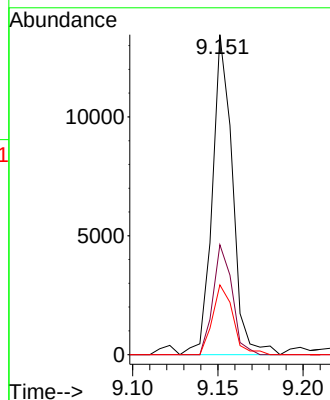
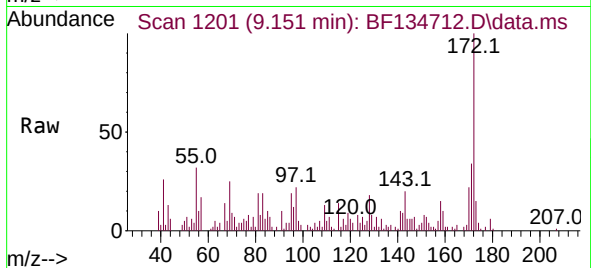
Tgt Ion:	172	Resp:	11074
Ion Ratio	Lower	Upper	
172	100		
171	34.3	28.8	43.2
170	21.8	18.7	28.1

Manual Integrations

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Supervised By :mohammad ahmed 08/11/2023



#46

1,1'-Biphenyl

Concen: 4.228 ng

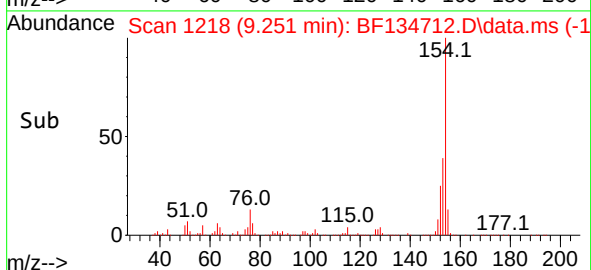
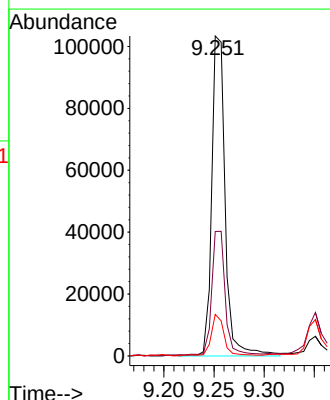
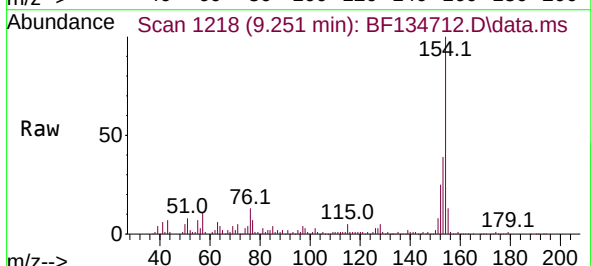
RT: 9.251 min Scan# 1218

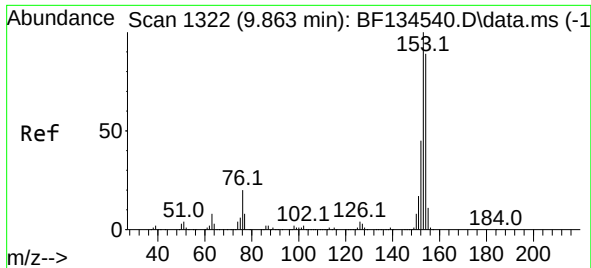
Delta R.T. -0.012 min

Lab File: BF134712.D

Acq: 10 Aug 2023 16:49

Tgt Ion:	154	Resp:	96230
Ion Ratio	Lower	Upper	
154	100		
153	38.9	20.8	60.8
76	13.0	0.0	30.2





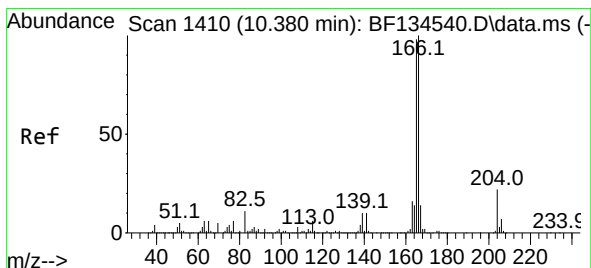
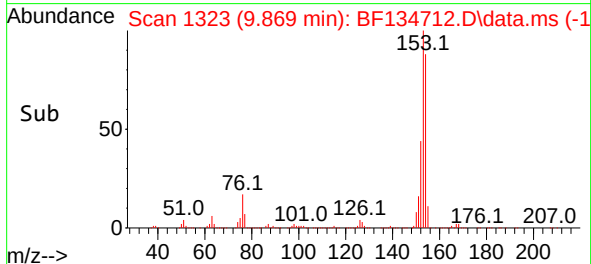
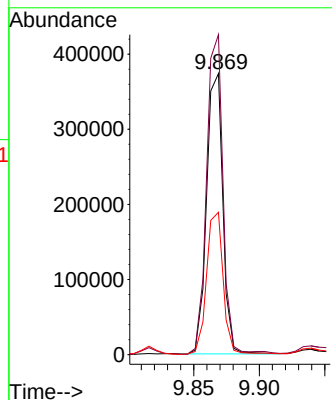
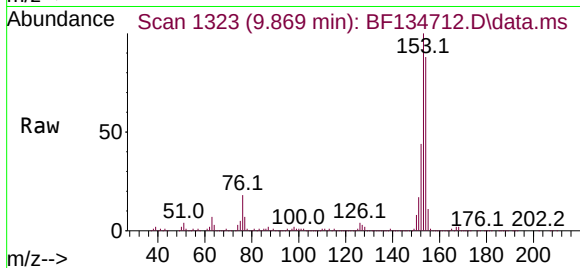
#52
Acenaphthene
Concen: 18.482 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF134712.D
Acq: 10 Aug 2023 16:49

Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z18-20DL

Tgt Ion:154 Resp: 321095
Ion Ratio Lower Upper
154 100
153 113.9 90.0 135.0
152 50.6 42.4 63.6

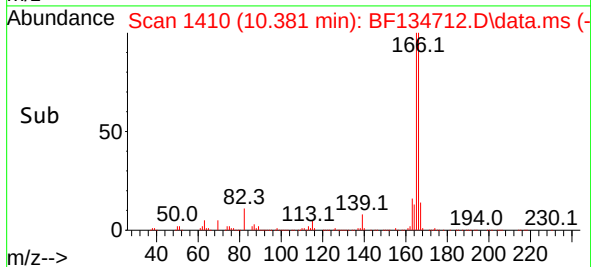
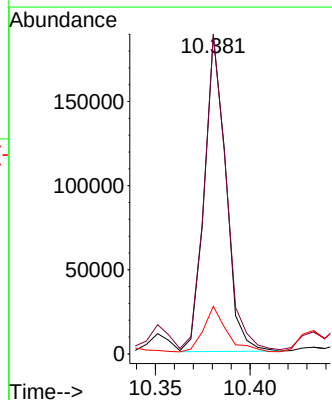
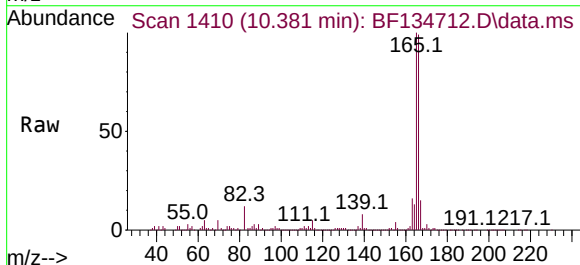
Manual Integrations
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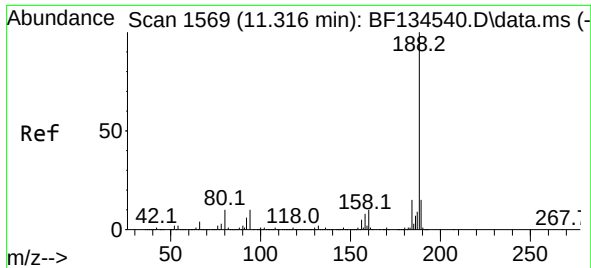
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023



#58
Fluorene
Concen: 8.242 ng
RT: 10.381 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF134712.D
Acq: 10 Aug 2023 16:49

Tgt Ion:166 Resp: 148482
Ion Ratio Lower Upper
166 100
165 100.5 74.5 111.7
167 15.0 10.6 16.0





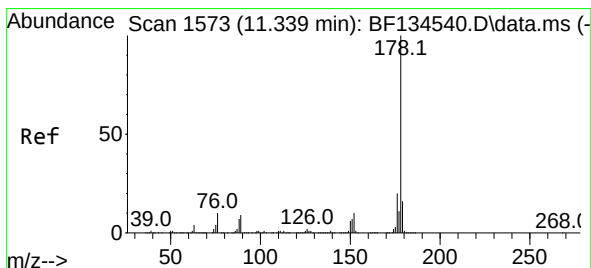
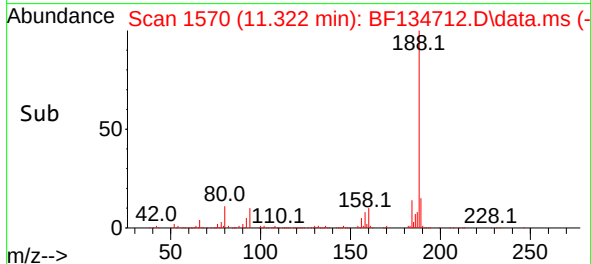
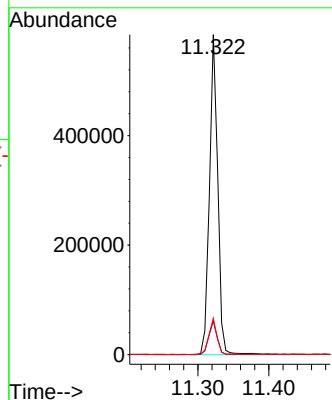
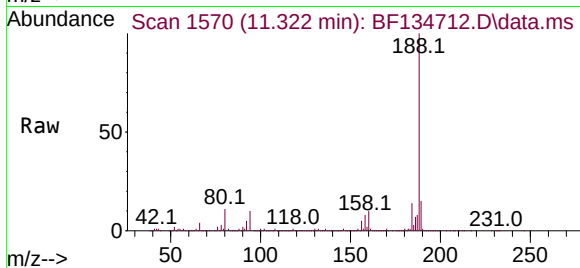
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BF134712.D
Acq: 10 Aug 2023 16:49

Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z18-20DL

Tgt Ion:188 Resp: 474150
Ion Ratio Lower Upper
188 100
94 10.5 5.1 7.7
80 11.4 6.6 9.8

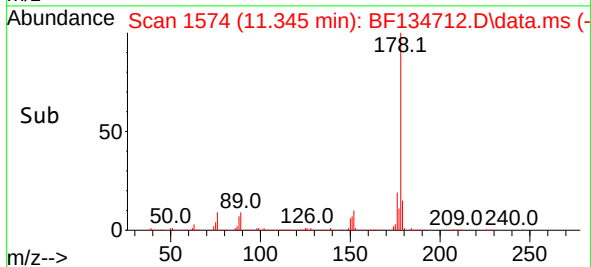
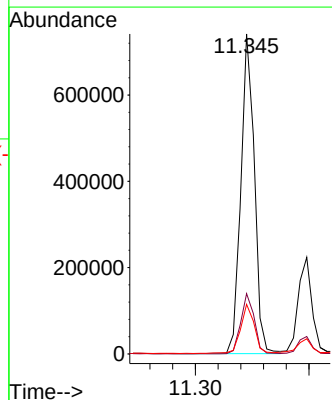
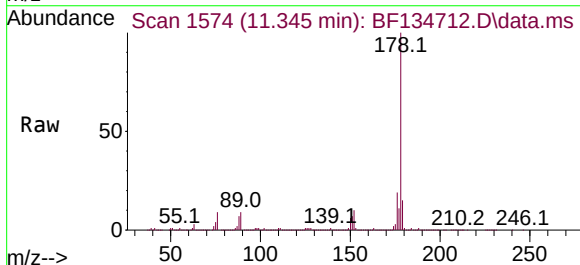
Manual Integrations
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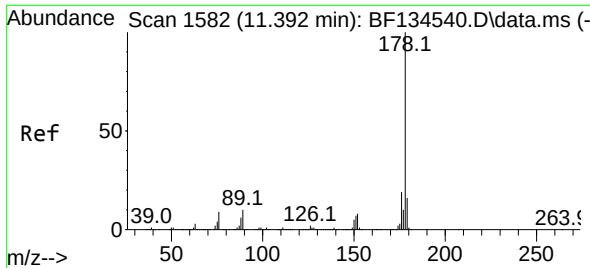
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023



#71
Phenanthrene
Concen: 24.322 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF134712.D
Acq: 10 Aug 2023 16:49

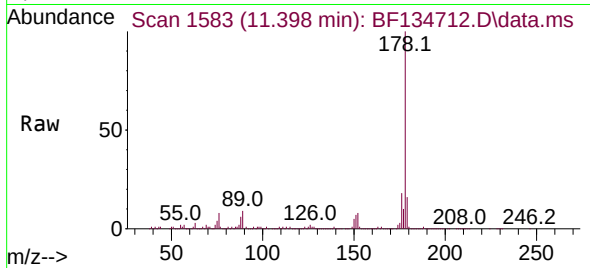
Tgt Ion:178 Resp: 612555
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.6
179 15.5 12.7 19.1





#72
 Anthracene
 Concen: 6.966 ng
 RT: 11.398 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF134712.D
 Acq: 10 Aug 2023 16:49

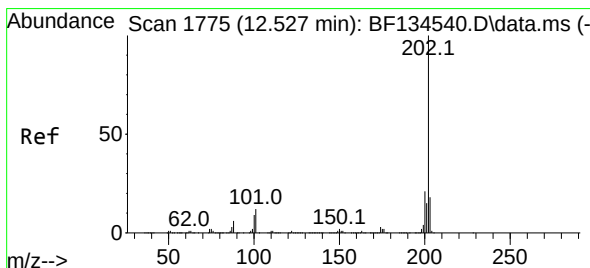
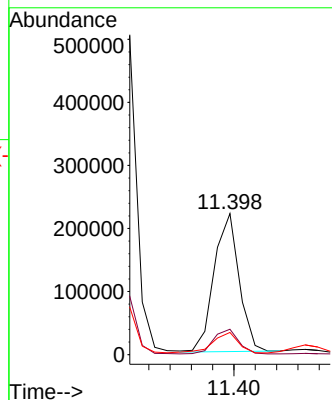
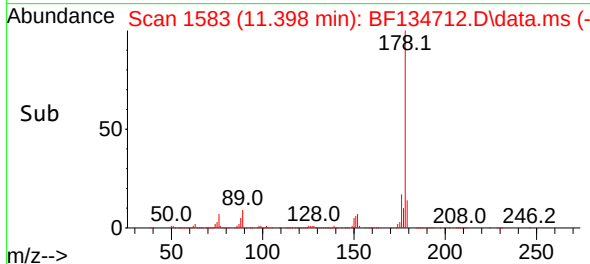
Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB-01-Z18-20DL



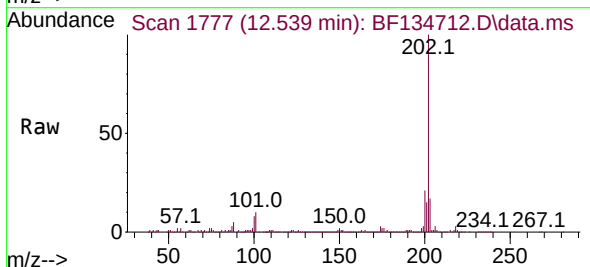
Tgt Ion:178 Resp: 179199
 Ion Ratio Lower Upper
 178 100
 176 17.9 14.6 21.8
 179 15.7 12.3 18.5

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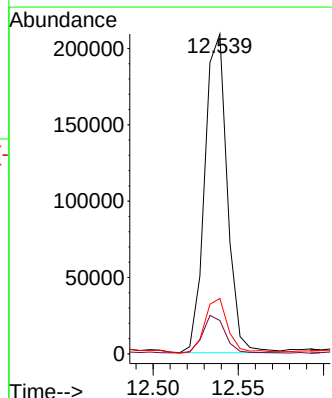
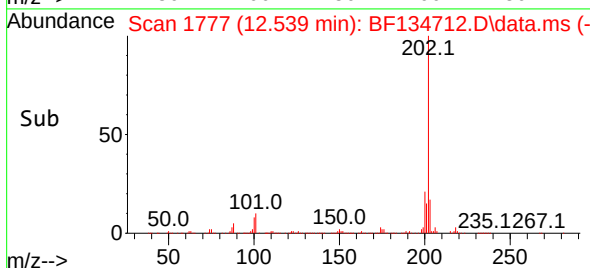
Reviewed By :Yogesh Patel 08/11/2023
 Supervised By :mohammad ahmed 08/11/2023

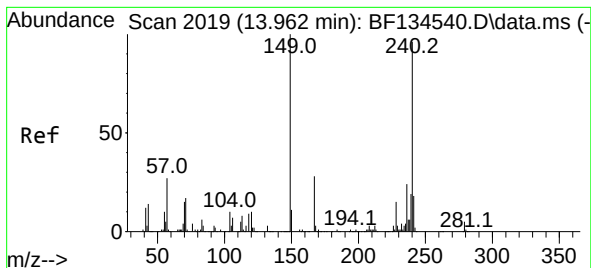


#75
 Fluoranthene
 Concen: 7.211 ng
 RT: 12.539 min Scan# 1777
 Delta R.T. 0.000 min
 Lab File: BF134712.D
 Acq: 10 Aug 2023 16:49



Tgt Ion:202 Resp: 191837
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 28.5
 203 17.3 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.969 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF134712.D

Acq: 10 Aug 2023 16:49

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB-01-Z18-20DL

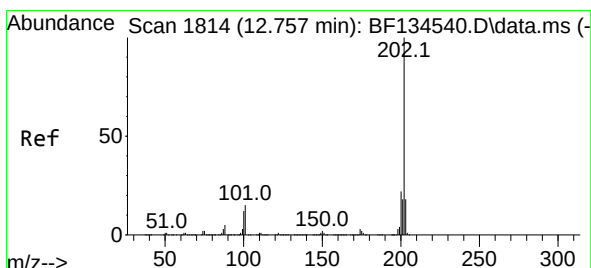
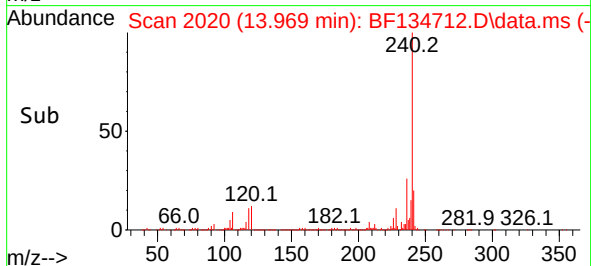
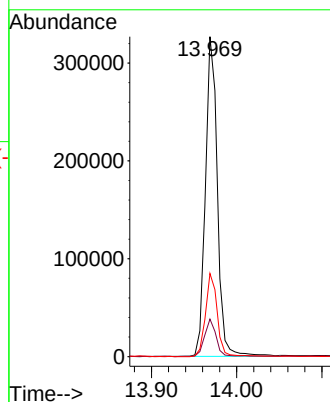
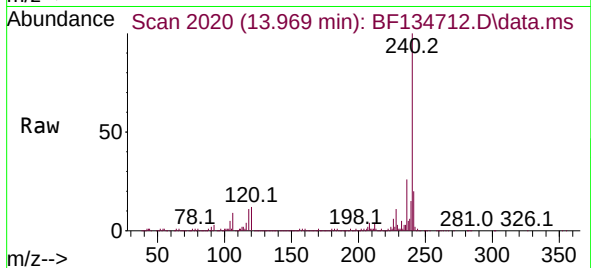
Tgt Ion:240 Resp: 318752
 Ion Ratio Lower Upper
 240 100
 120 11.7 6.6 10.0
 236 26.0 20.2 30.2

Manual Integrations

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Reviewed By :Yogesh Patel 08/11/2023

Supervised By :mohammad ahmed 08/11/2023



#78

Pyrene

Concen: 10.539 ng

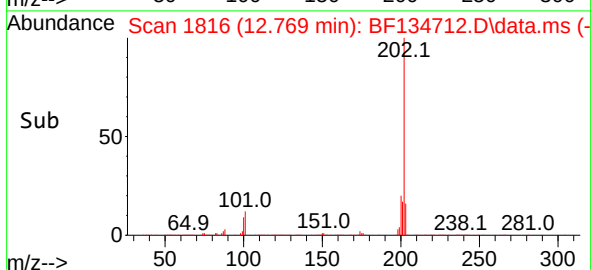
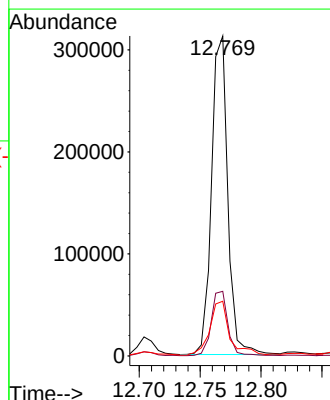
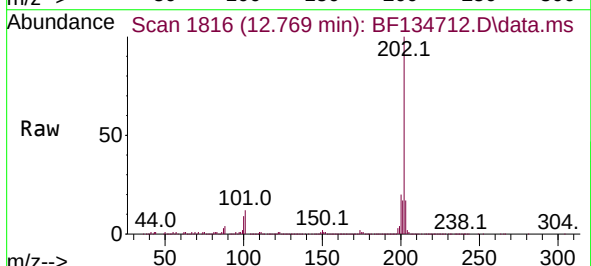
RT: 12.769 min Scan# 1816

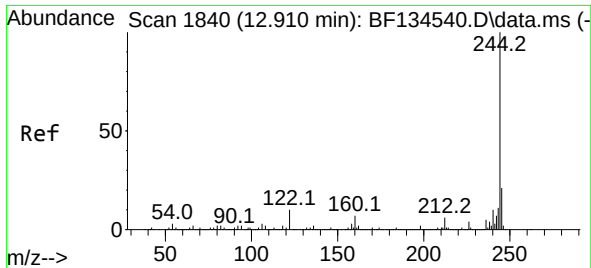
Delta R.T. 0.000 min

Lab File: BF134712.D

Acq: 10 Aug 2023 16:49

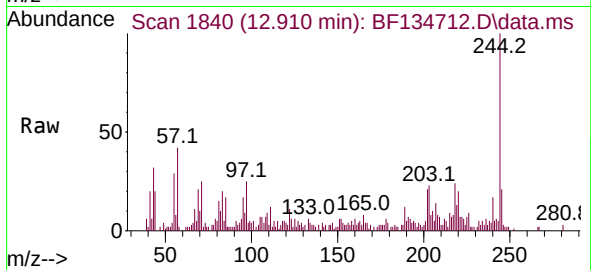
Tgt Ion:202 Resp: 290686
 Ion Ratio Lower Upper
 202 100
 200 20.2 15.8 23.8
 203 17.1 13.5 20.3





#79
 Terphenyl-d14
 Concen: 0.602 ng
 RT: 12.910 min Scan# 1840
 Delta R.T. -0.012 min
 Lab File: BF134712.D
 Acq: 10 Aug 2023 16:49

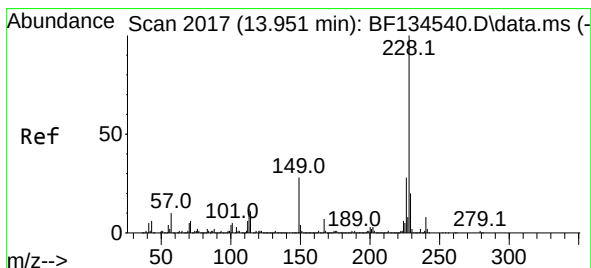
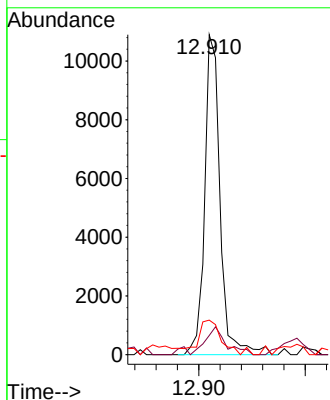
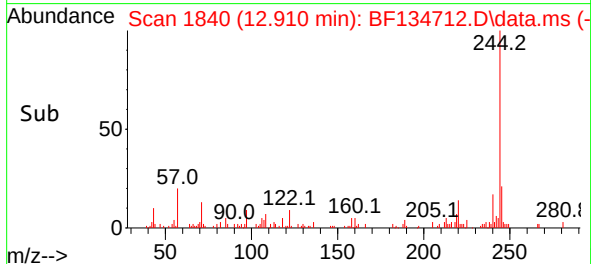
Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB-01-Z18-20DL



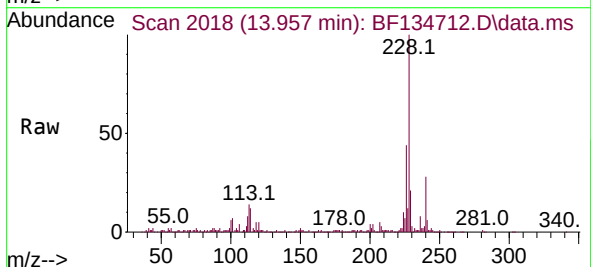
Tgt Ion:244 Resp: 10890
 Ion Ratio Lower Upper
 244 100
 212 6.0 5.6 8.4
 122 10.8 8.0 12.0

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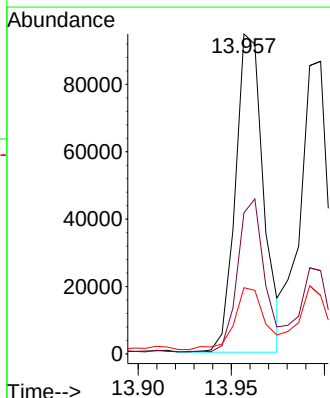
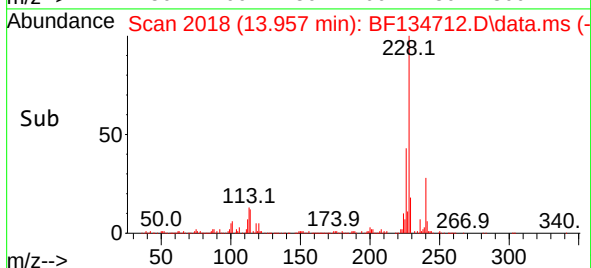
Reviewed By :Yogesh Patel 08/11/2023
 Supervised By :mohammad ahmed 08/11/2023

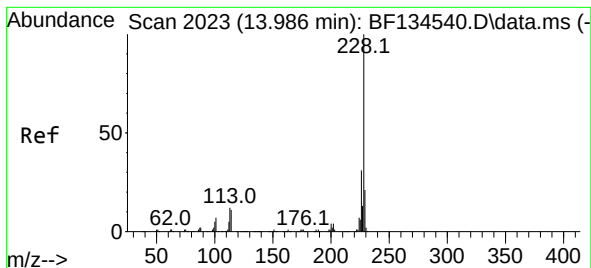


#81
 Benzo(a)anthracene
 Concen: 4.338 ng m
 RT: 13.957 min Scan# 2018
 Delta R.T. -0.006 min
 Lab File: BF134712.D
 Acq: 10 Aug 2023 16:49



Tgt Ion:228 Resp: 98876
 Ion Ratio Lower Upper
 228 100
 226 44.1 22.3 33.5#
 229 20.7 15.8 23.6





#83

Chrysene

Concen: 4.229 ng

RT: 13.998 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF134712.D

Acq: 10 Aug 2023 16:49

Instrument :

BNA_F

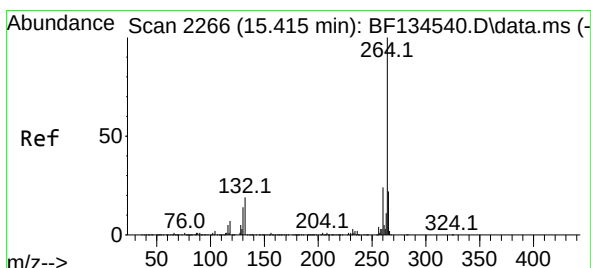
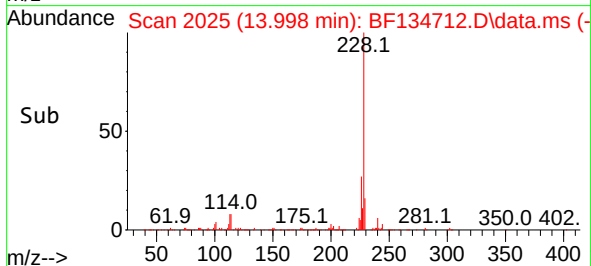
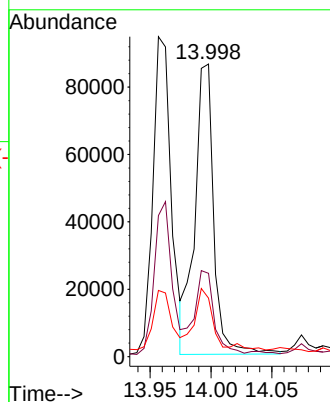
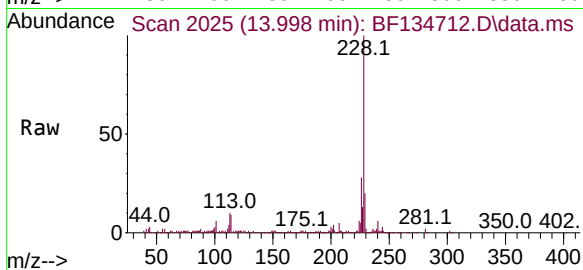
ClientSampleId :

NEVINS-SB-01-Z18-20DL

Tgt Ion:228 Resp: 93905
 Ion Ratio Lower Upper
 228 100
 226 28.4 24.5 36.7
 229 20.0 15.8 23.8

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



#86

Perylene-d12

Concen: 20.000 ng

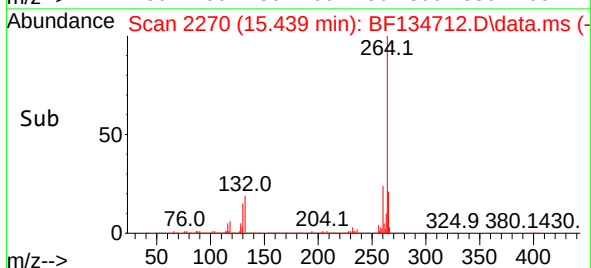
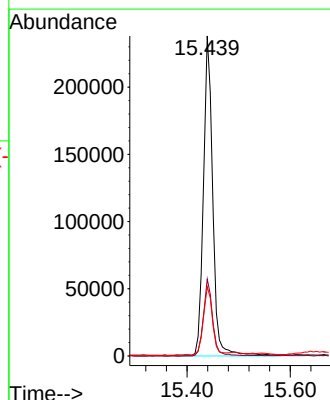
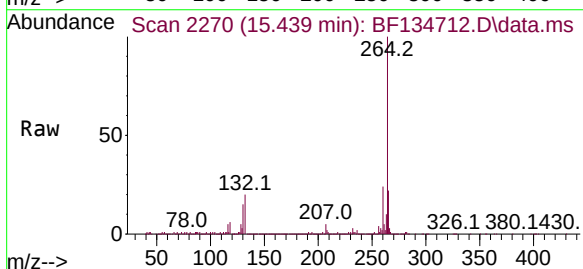
RT: 15.439 min Scan# 2270

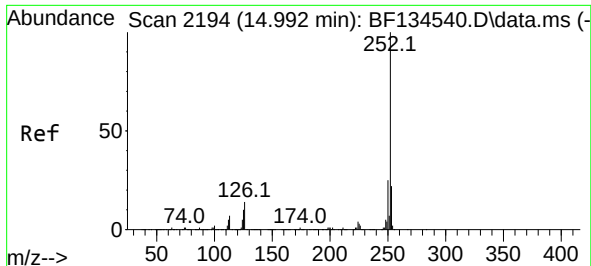
Delta R.T. 0.000 min

Lab File: BF134712.D

Acq: 10 Aug 2023 16:49

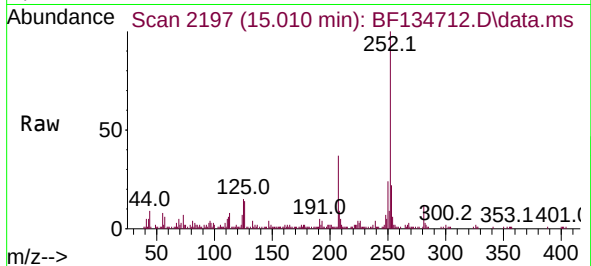
Tgt Ion:264 Resp: 298958
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.4 27.6
 265 21.6 15.8 23.8





#88
Benzo(b)fluoranthene
Concen: 2.499 ng m
RT: 15.010 min Scan# 2194
Delta R.T. 0.000 min
Lab File: BF134712.D
Acq: 10 Aug 2023 16:49

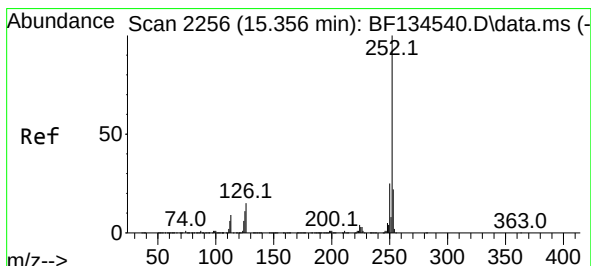
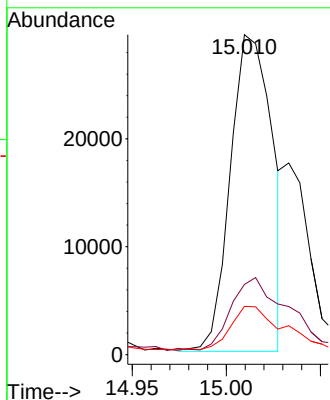
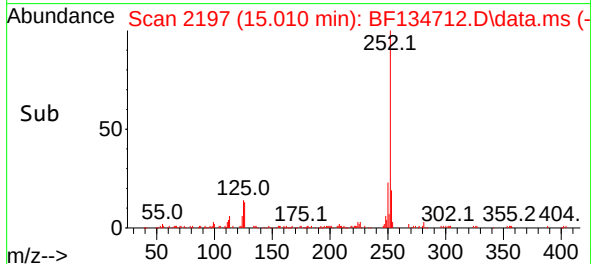
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z18-20DL



Tgt Ion:252 Resp: 45563
Ion Ratio Lower Upper
252 100
253 21.9 17.3 25.9
125 15.1 6.0 9.0

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



#90
Benzo(a)pyrene
Concen: 3.269 ng
RT: 15.374 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF134712.D
Acq: 10 Aug 2023 16:49

Tgt Ion:252 Resp: 55577
Ion Ratio Lower Upper
252 100
253 22.9 17.0 25.4
125 12.4 6.2 9.4

