

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081023\
 Data File : BF134709.D
 Acq On : 10 Aug 2023 15:13
 Operator : CG\JU
 Sample : 03932-03 50X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB-01-Z30-32

Quant Time: Aug 11 03:54:29 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

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							08/11/2023
1) 1,4-Dichlorobenzene-d4	6.798	152	161849	20.000	ng	0.00	Supervised By :mohammad ahmed
21) Naphthalene-d8	8.081	136	646422	20.000	ng	# 0.00	
39) Acenaphthene-d10	9.833	164	317532	20.000	ng	0.00	
64) Phenanthrene-d10	11.327	188	527572	20.000	ng	# 0.00	
76) Chrysene-d12	13.974	240	342171	20.000	ng	# 0.00	
86) Perylene-d12	15.445	264	317829	20.000	ng	0.00	08/11/2023
System Monitoring Compounds							
5) 2-Fluorophenol	5.422	112	10904	1.024	ng	0.00	
7) Phenol-d6	6.434	99	13783	1.013	ng	0.00	
23) Nitrobenzene-d5	7.357	82	11297	1.092	ng	-0.01	
42) 2,4,6-Tribromophenol	10.622	330	3532	1.091	ng	0.00	
45) 2-Fluorobiphenyl	9.151	172	26713	1.399	ng	-0.01	
79) Terphenyl-d14	12.916	244	28188	1.452	ng	0.00	
Target Compounds							Qvalue
31) Naphthalene	8.116	128	4377040	134.728	ng		97
37) 2-Methylnaphthalene	8.798	142	1447910	67.238	ng		100
38) 1-Methylnaphthalene	8.898	142	1045893	52.231	ng		99
46) 1,1'-Biphenyl	9.257	154	240217	9.728	ng		97
49) Acenaphthylene	9.692	152	93565	3.217	ng	#	86
52) Acenaphthene	9.869	154	709473	37.644	ng		99
55) Dibenzofuran	10.039	168	56833	2.118	ng	#	85
58) Fluorene	10.386	166	365478	18.702	ng		96
71) Phenanthrene	11.351	178	1357876	48.457	ng		100
72) Anthracene	11.398	178	416038	14.535	ng		100
75) Fluoranthene	12.539	202	499099	16.861	ng		97
78) Pyrene	12.769	202	753446	25.447	ng		97
81) Benzo(a)anthracene	13.963	228	236242m	9.656	ng		
83) Chrysene	13.998	228	194503	8.160	ng		98
87) Indeno(1,2,3-cd)pyrene	16.933	276	47073	2.518	ng	#	95
88) Benzo(b)fluoranthene	15.015	252	129087m	6.659	ng		
90) Benzo(a)pyrene	15.380	252	154021	8.522	ng	#	97
92) Benzo(g,h,i)perylene	17.380	276	53379	3.464	ng	#	94

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

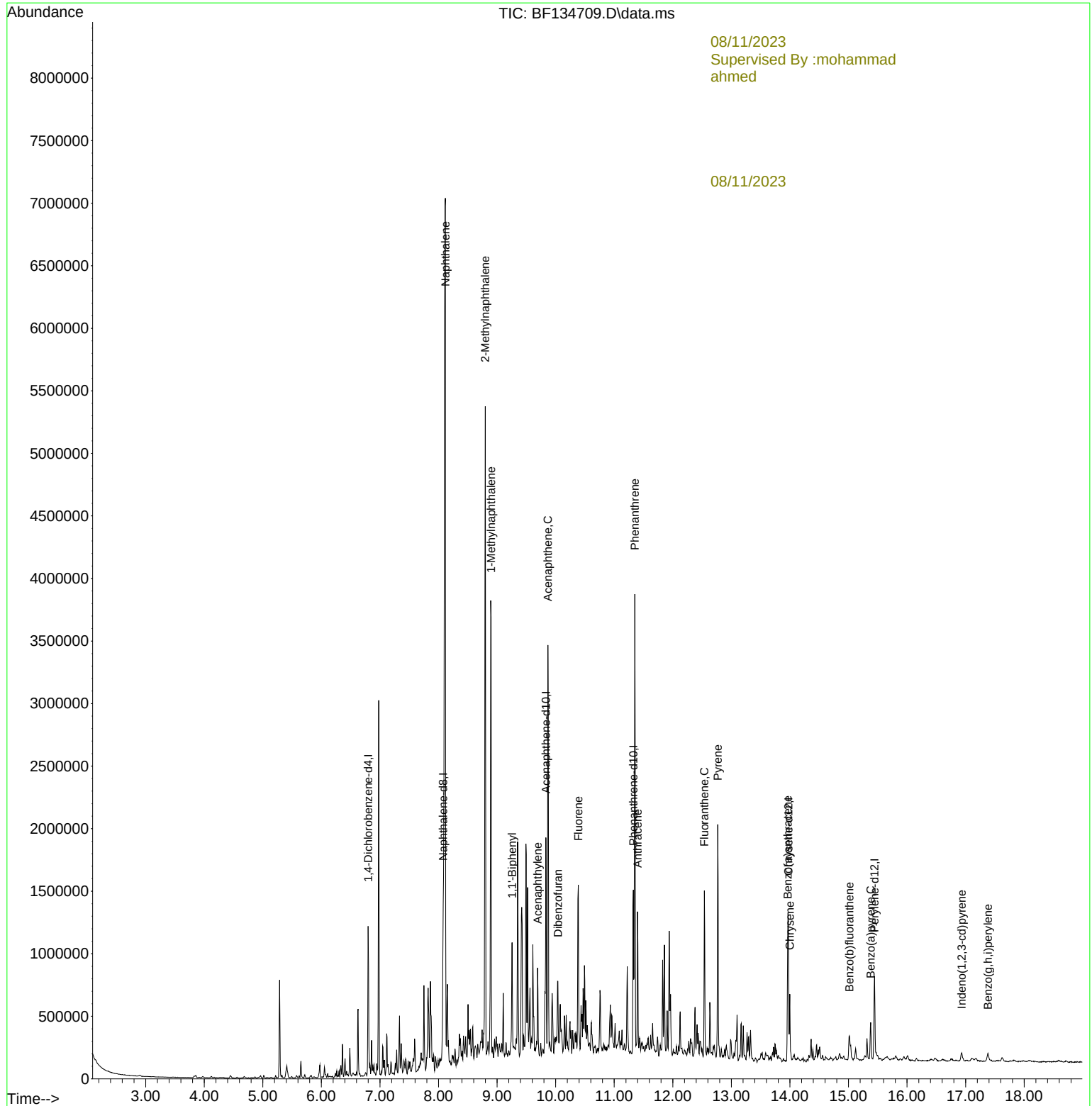
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081023\
Data File : BF134709.D
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ALS Vial : 10 Sample Multiplier: 1

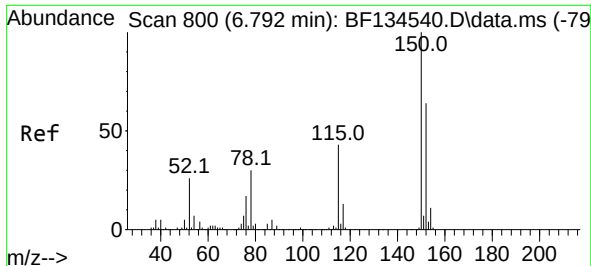
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z30-32

Quant Time: Aug 11 03:54:29 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
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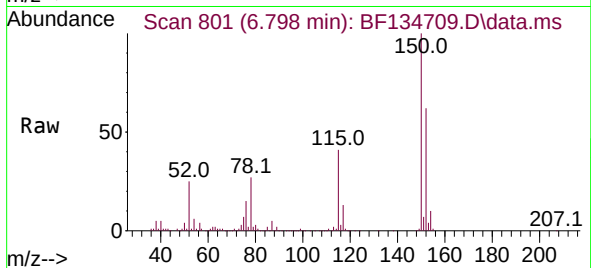
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134709.D
Acq: 10 Aug 2023 15:13

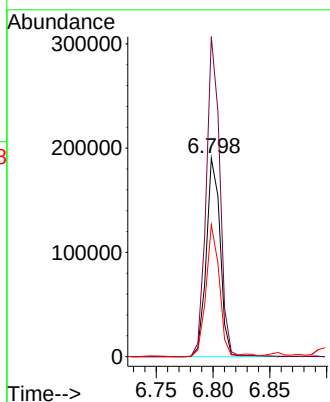
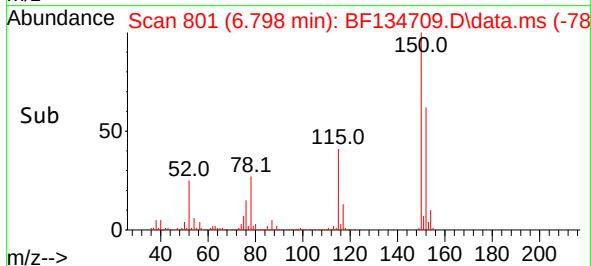
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z30-32



Tgt Ion:152 Resp: 161849
Ion Ratio Lower Upper
152 100
150 161.3 128.3 192.5
115 66.5 52.4 78.6

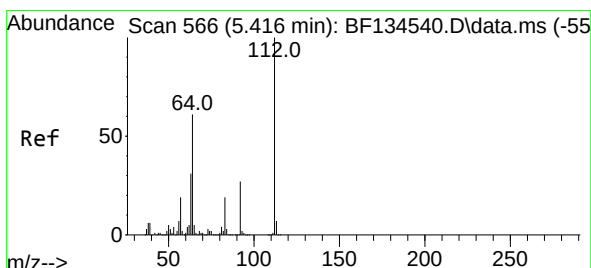
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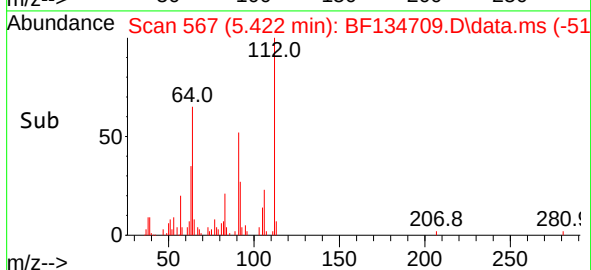
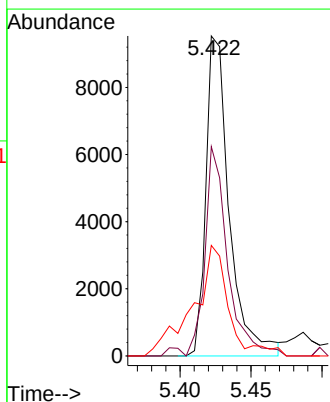
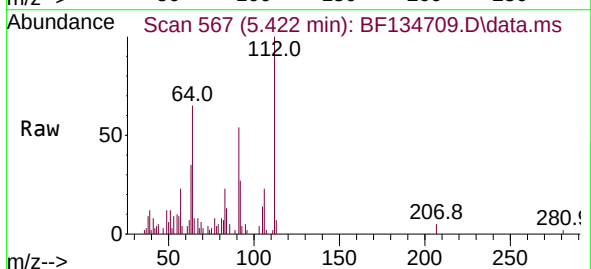
08/11/2023
Supervised By :mohammad
ahmed

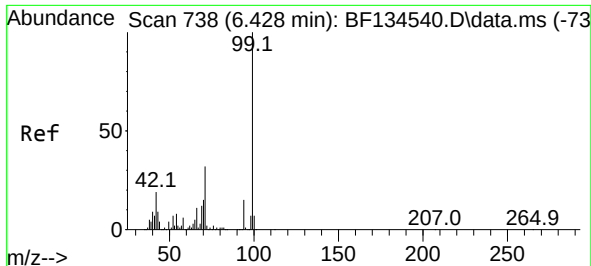
08/11/2023



#5
2-Fluorophenol
Concen: 1.024 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF134709.D
Acq: 10 Aug 2023 15:13

Tgt Ion:112 Resp: 10904
Ion Ratio Lower Upper
112 100
64 65.4 44.9 67.3
63 34.5 25.4 38.0





#7

Phenol-d6

Concen: 1.013 ng

RT: 6.434 min Scan# 738

Delta R.T. -0.006 min

Lab File: BF134709.D

Acq: 10 Aug 2023 15:13

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB-01-Z30-32

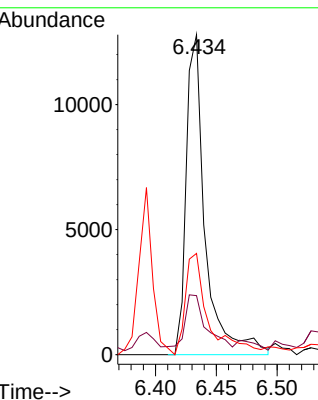
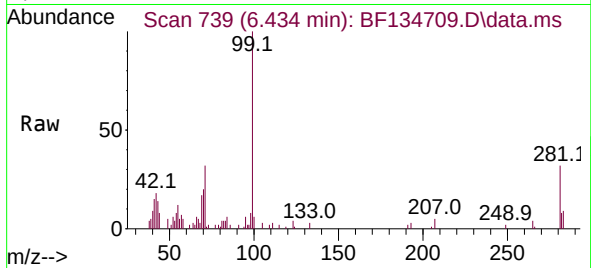
Tgt Ion: 99	Resp: 13783
Ion Ratio	Lower Upper
99 100	
42 18.4	18.7 28.1#
71 31.6	36.4 54.6#

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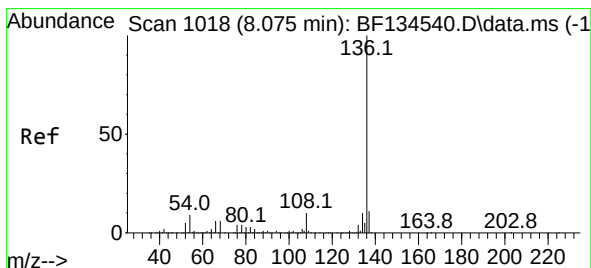
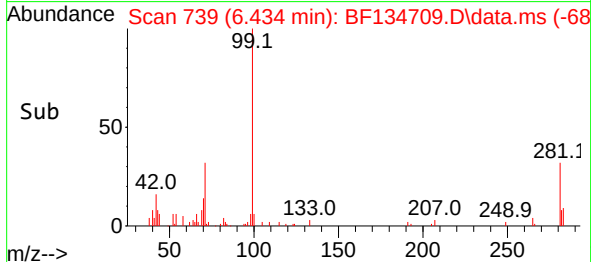
Supervised By :mohammad ahmed 08/11/2023



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#21

Naphthalene-d8

Concen: 20.000 ng

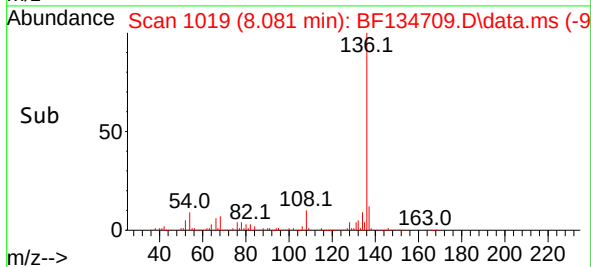
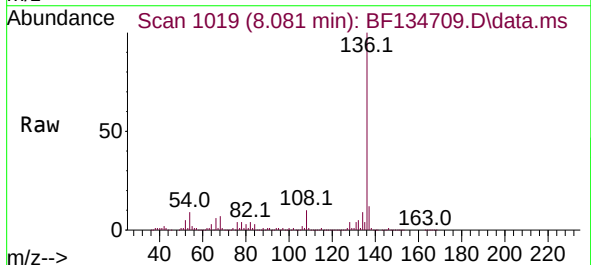
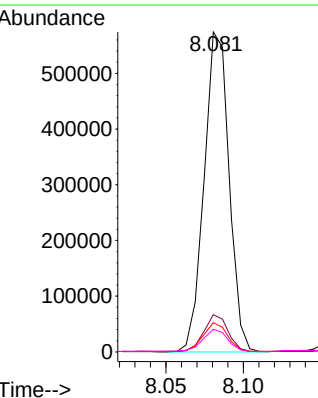
RT: 8.081 min Scan# 1019

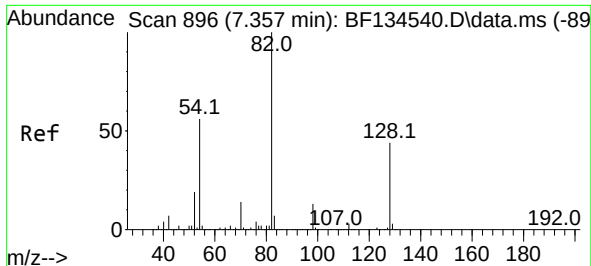
Delta R.T. 0.000 min

Lab File: BF134709.D

Acq: 10 Aug 2023 15:13

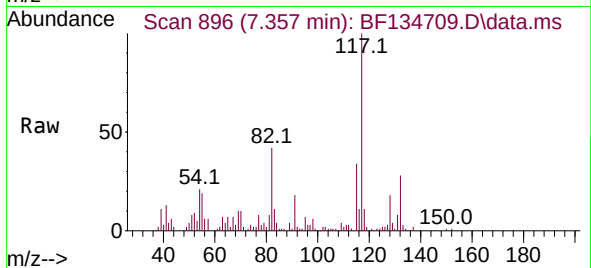
Tgt Ion:136	Resp: 646422
Ion Ratio	Lower Upper
136 100	
137 11.6	8.4 12.6
54 9.1	5.2 7.8#
68 7.1	2.9 4.3#





#23
Nitrobenzene-d5
Concen: 1.092 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF134709.D
Acq: 10 Aug 2023 15:13

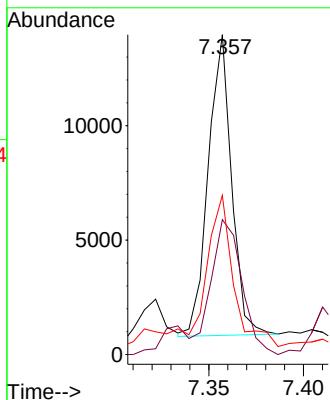
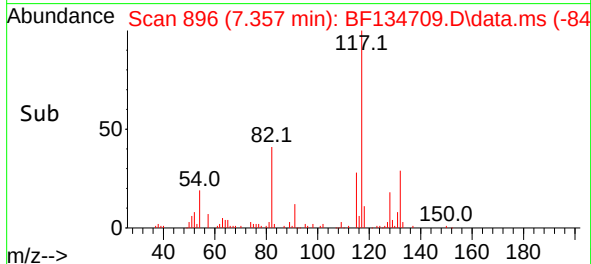
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z30-32



Tgt Ion: 82 Resp: 11297
Ion Ratio Lower Upper
82 100
128 42.2 34.3 51.5
54 49.8 43.8 65.6

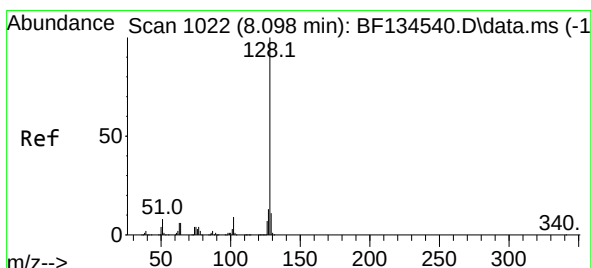
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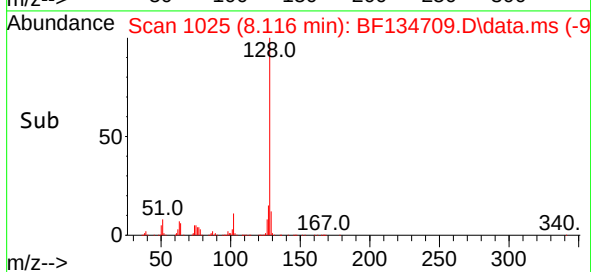
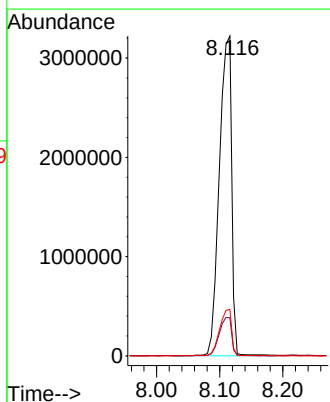
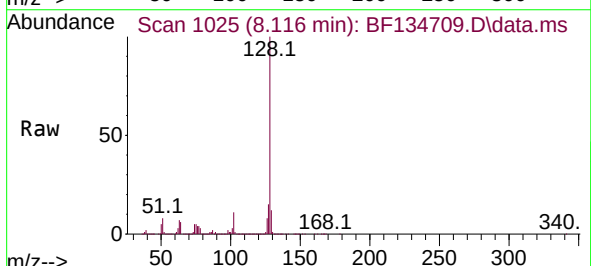
08/11/2023
Supervised By :mohammad
ahmed

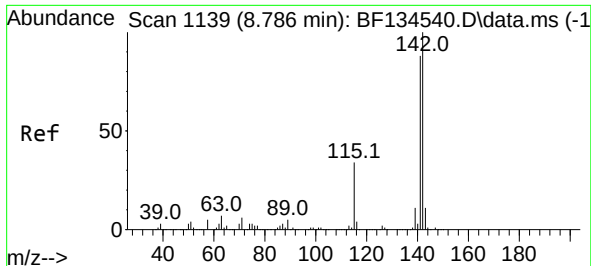
08/11/2023



#31
Naphthalene
Concen: 134.728 ng
RT: 8.116 min Scan# 1025
Delta R.T. 0.012 min
Lab File: BF134709.D
Acq: 10 Aug 2023 15:13

Tgt Ion:128 Resp: 4377040
Ion Ratio Lower Upper
128 100
129 11.9 8.4 12.6
127 14.5 10.7 16.1





#37

2-Methylnaphthalene

Concen: 67.238 ng

RT: 8.798 min Scan# 1141

Delta R.T. 0.006 min

Lab File: BF134709.D

Acq: 10 Aug 2023 15:13

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB-01-Z30-32

Tgt Ion:142 Resp: 1447910

Ion Ratio Lower Upper

142 100

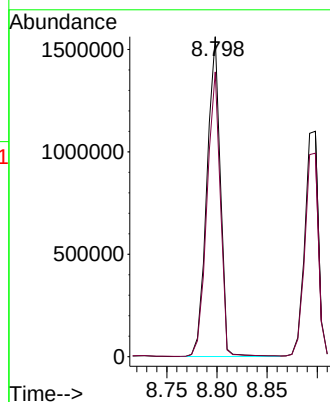
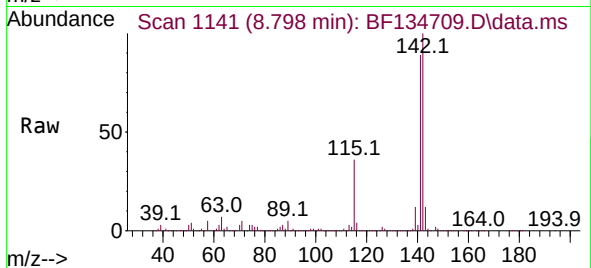
141 89.0 70.8 106.2

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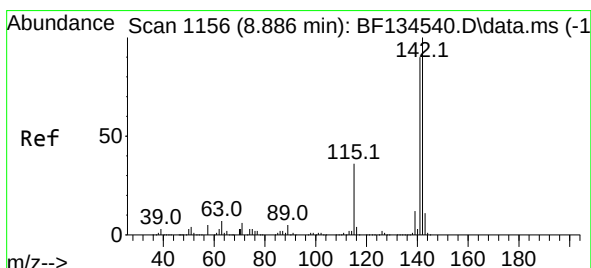
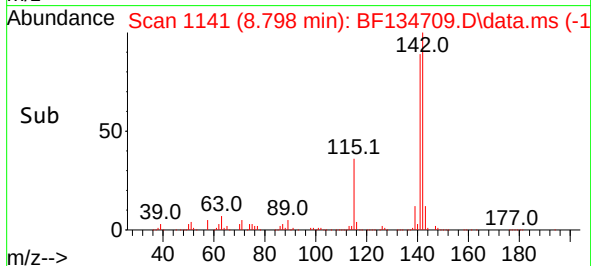
Supervised By :mohammad ahmed 08/11/2023



08/11/2023

Supervised By :mohammad
ahmed

08/11/2023



#38

1-Methylnaphthalene

Concen: 52.231 ng

RT: 8.898 min Scan# 1158

Delta R.T. 0.006 min

Lab File: BF134709.D

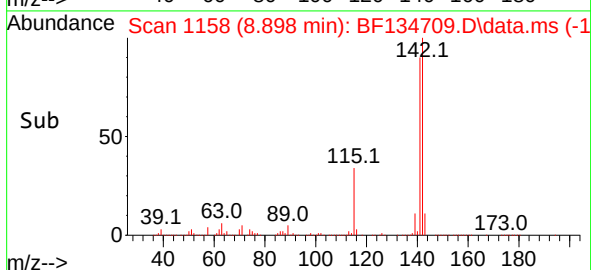
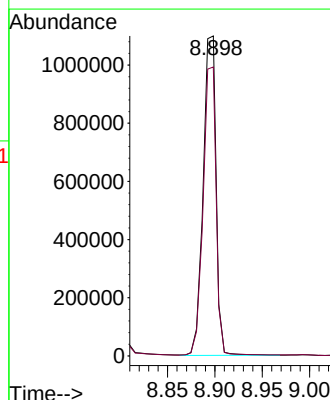
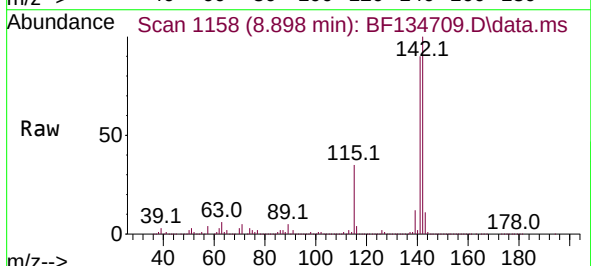
Acq: 10 Aug 2023 15:13

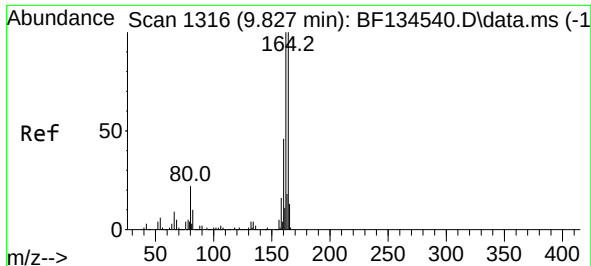
Tgt Ion:142 Resp: 1045893

Ion Ratio Lower Upper

142 100

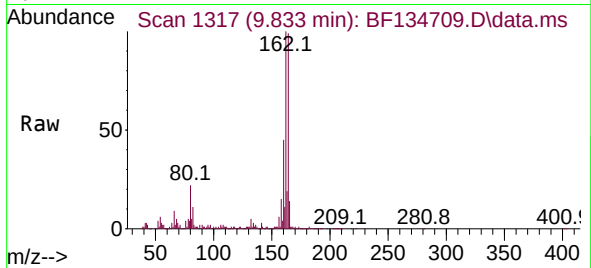
141 90.3 71.4 107.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1316
Delta R.T. 0.000 min
Lab File: BF134709.D
Acq: 10 Aug 2023 15:13

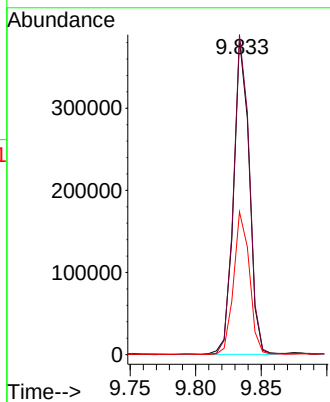
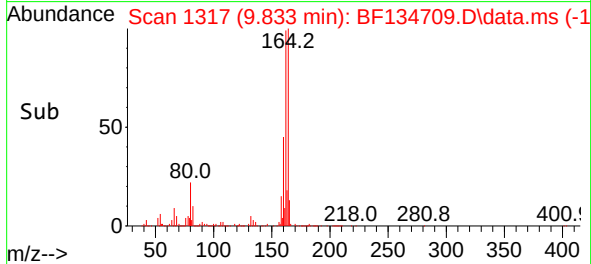
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z30-32



Tgt Ion:164 Resp: 317532
Ion Ratio Lower Upper
164 100
162 101.3 82.6 123.8
160 45.2 37.2 55.8

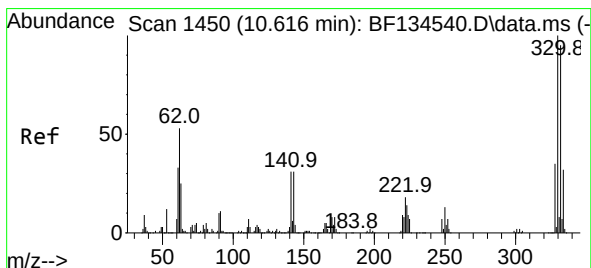
Manual Integrations
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Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023

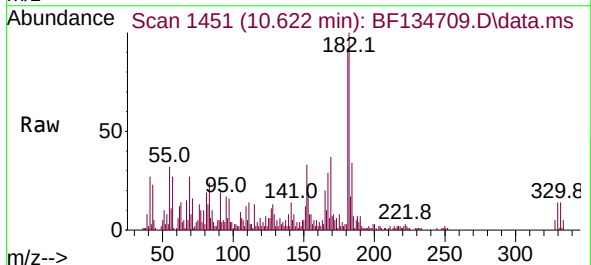


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ahmed

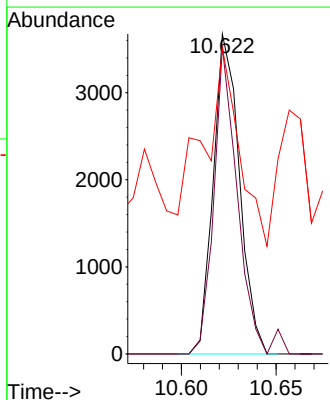
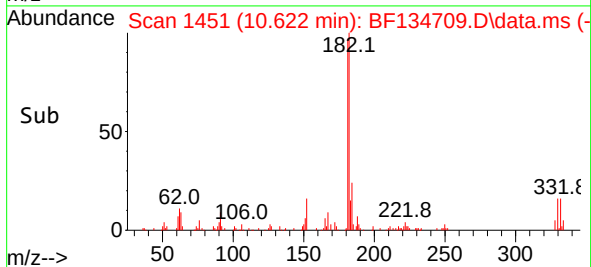
08/11/2023

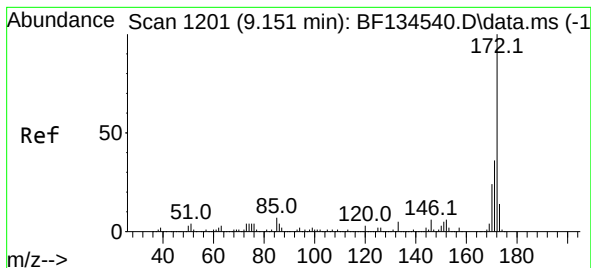


#42
2,4,6-Tribromophenol
Concen: 1.091 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134709.D
Acq: 10 Aug 2023 15:13



Tgt Ion:330 Resp: 3532
Ion Ratio Lower Upper
330 100
332 87.8 78.8 118.2
141 84.6 25.4 38.2#





#45

2-Fluorobiphenyl

Concen: 1.399 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF134709.D

Acq: 10 Aug 2023 15:13

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB-01-Z30-32

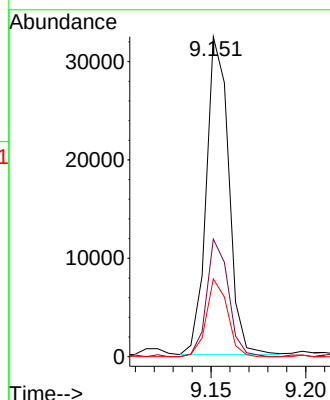
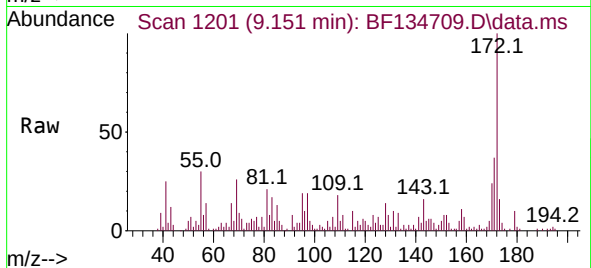
Tgt Ion:172	Resp:	26713
Ion Ratio	Lower	Upper
172	100	
171	36.8	28.8 43.2
170	24.3	18.7 28.1

Manual Integrations

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Reviewed By :Yogesh Patel 08/11/2023

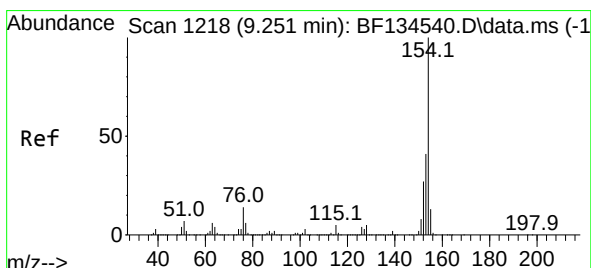
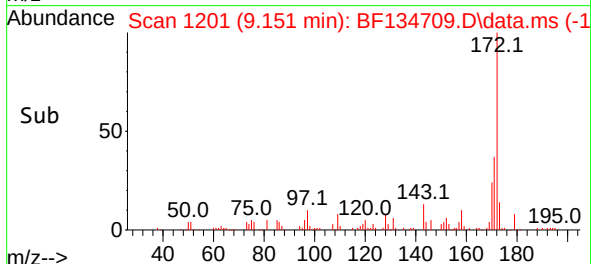
Supervised By :mohammad ahmed 08/11/2023



08/11/2023

Supervised By :mohammad
ahmed

08/11/2023



#46

1,1'-Biphenyl

Concen: 9.728 ng

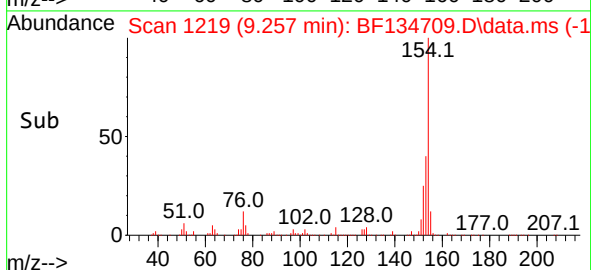
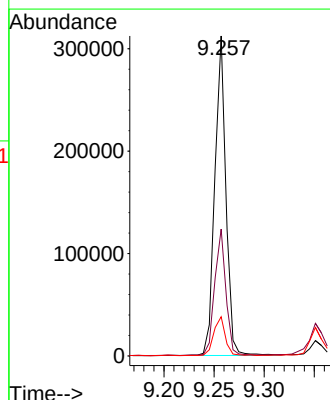
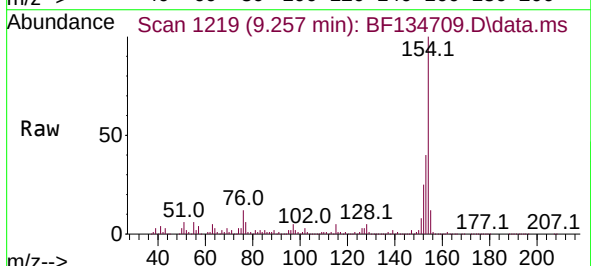
RT: 9.257 min Scan# 1219

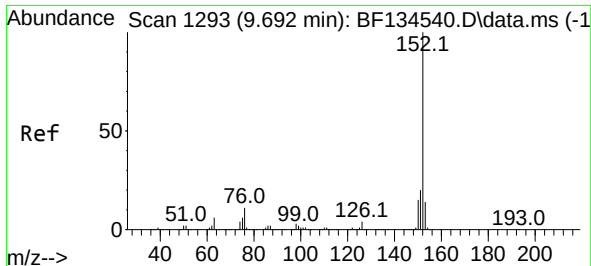
Delta R.T. -0.006 min

Lab File: BF134709.D

Acq: 10 Aug 2023 15:13

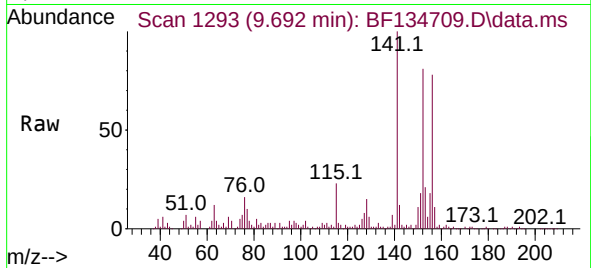
Tgt Ion:154	Resp:	240217
Ion Ratio	Lower	Upper
154	100	
153	39.7	20.8 60.8
76	12.2	0.0 30.2





#49
Acenaphthylene
Concen: 3.217 ng
RT: 9.692 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BF134709.D
Acq: 10 Aug 2023 15:13

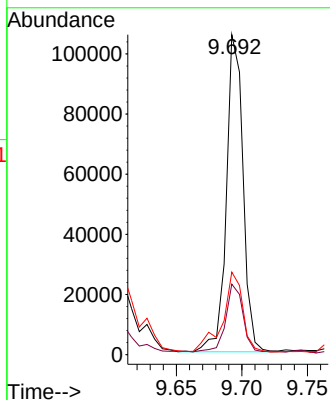
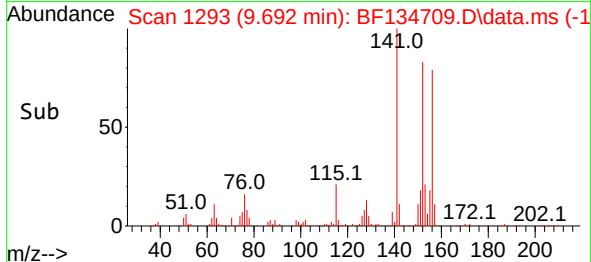
Instrument : BNA_F
ClientSampleId : NEVINS-SB-01-Z30-32



Tgt Ion:152 Resp: 93568
Ion Ratio Lower Upper
152 100
151 22.0 16.4 24.6
153 25.8 10.9 16.3

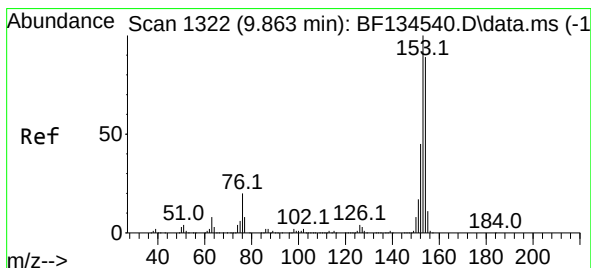
Manual Integrations
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Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023

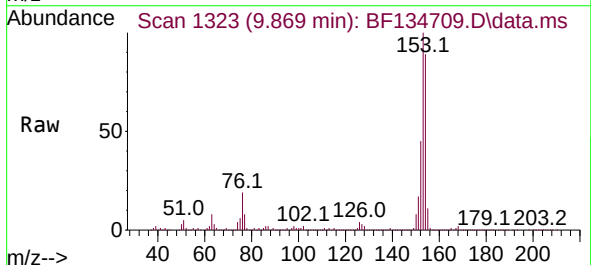


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ahmed

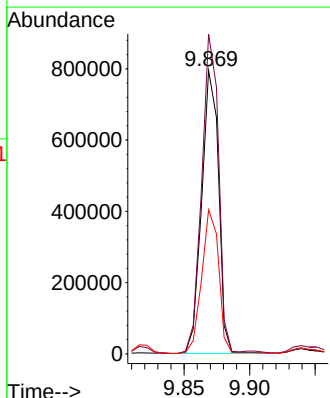
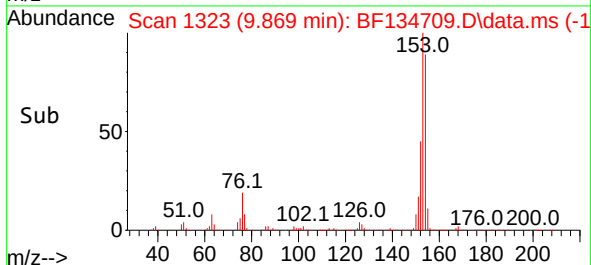
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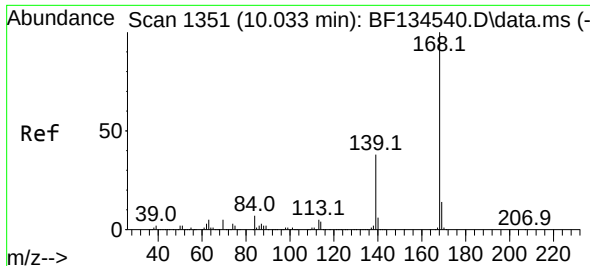


#52
Acenaphthene
Concen: 37.644 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF134709.D
Acq: 10 Aug 2023 15:13



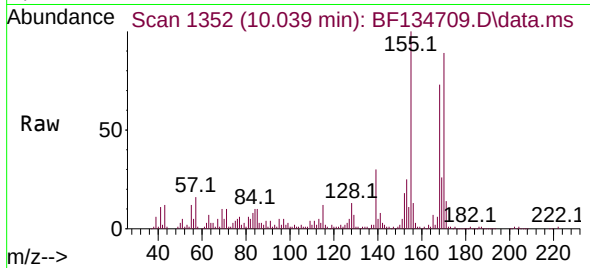
Tgt Ion:154 Resp: 709473
Ion Ratio Lower Upper
154 100
153 112.9 90.0 135.0
152 50.8 42.4 63.6





#55
Dibenzenofuran
Concen: 2.118 ng
RT: 10.039 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BF134709.D
Acq: 10 Aug 2023 15:13

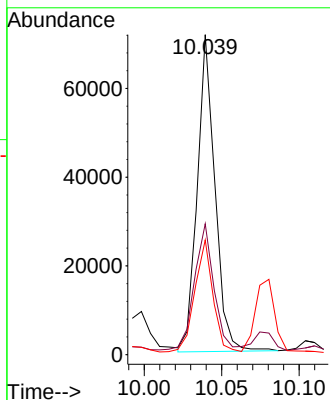
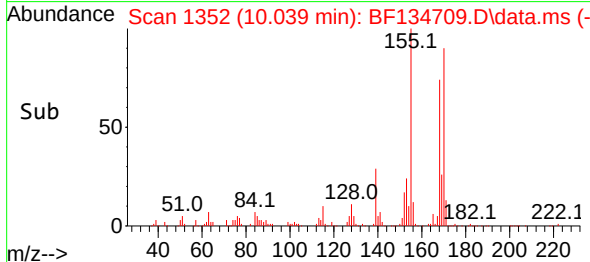
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z30-32



Tgt Ion:168 Resp: 5683
Ion Ratio Lower Upper
168 100
139 40.9 33.4 50.2
169 35.8 10.6 15.8

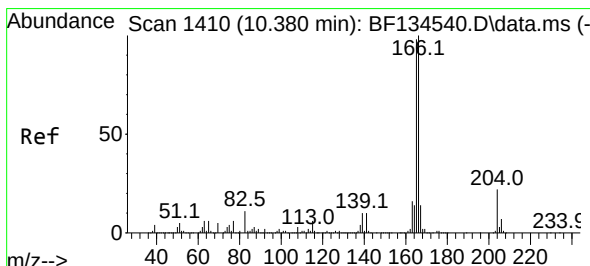
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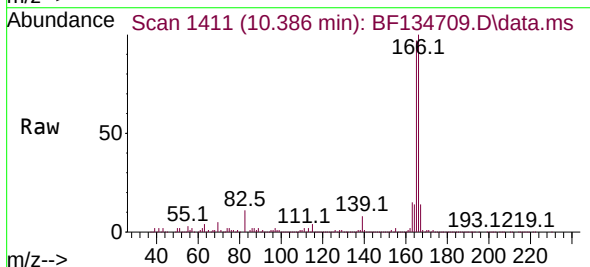


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ahmed

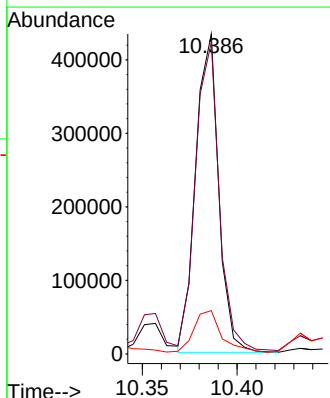
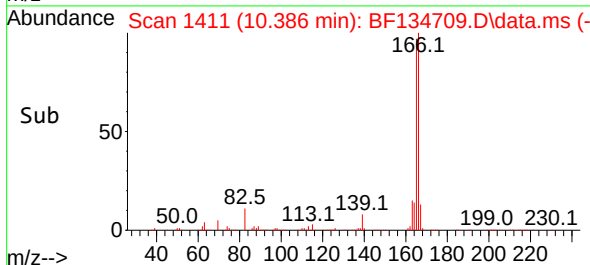
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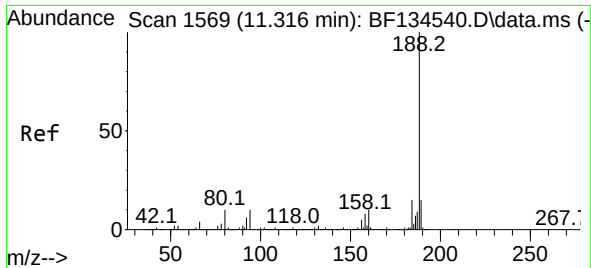


#58
Fluorene
Concen: 18.702 ng
RT: 10.386 min Scan# 1411
Delta R.T. 0.000 min
Lab File: BF134709.D
Acq: 10 Aug 2023 15:13



Tgt Ion:166 Resp: 365478
Ion Ratio Lower Upper
166 100
165 97.4 74.5 111.7
167 13.5 10.6 16.0





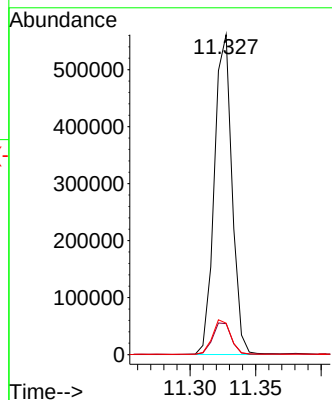
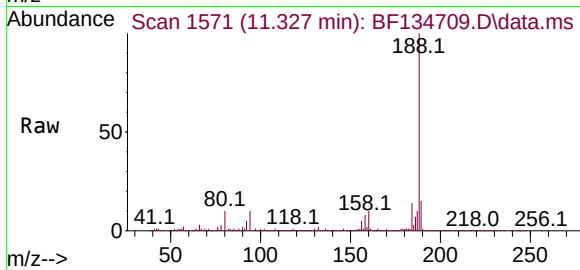
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1571
Delta R.T. 0.006 min
Lab File: BF134709.D
Acq: 10 Aug 2023 15:13

Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z30-32

Tgt Ion:188 Resp: 527572
Ion Ratio Lower Upper
188 100
94 9.7 5.1 7.7
80 9.8 6.6 9.8

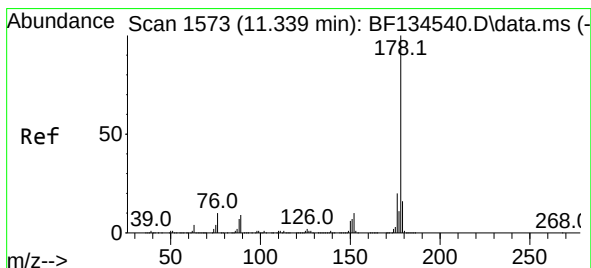
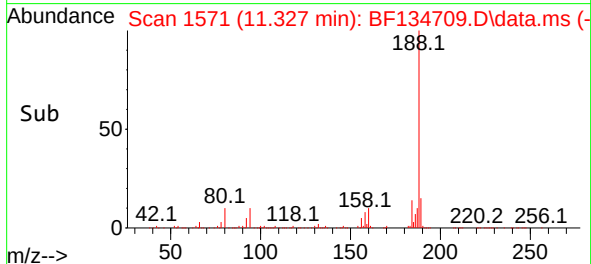
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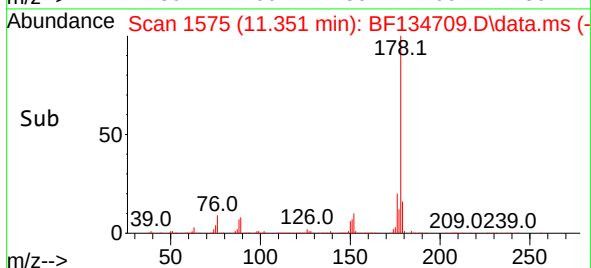
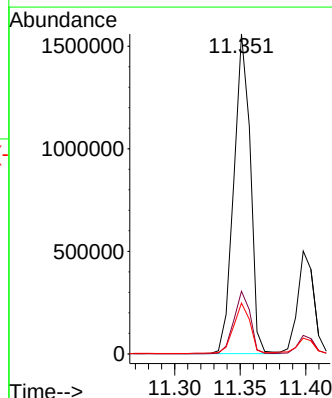
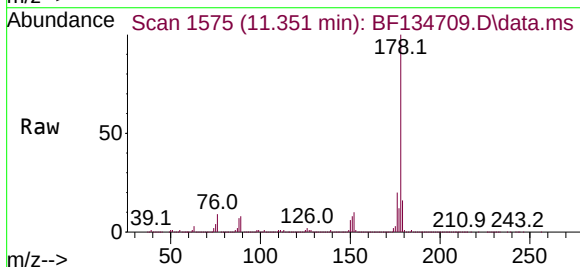
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ahmed

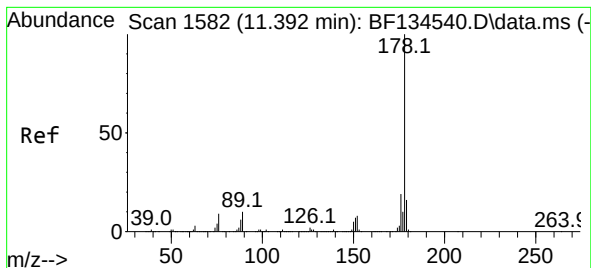
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#71
Phenanthrene
Concen: 48.457 ng
RT: 11.351 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BF134709.D
Acq: 10 Aug 2023 15:13

Tgt Ion:178 Resp: 1357876
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.6
179 15.9 12.7 19.1





#72

Anthracene

Concen: 14.535 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.006 min

Lab File: BF134709.D

Acq: 10 Aug 2023 15:13

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB-01-Z30-32

Tgt Ion:178 Resp: 416038

Ion Ratio Lower Upper

178 100

176 18.0 14.6 21.8

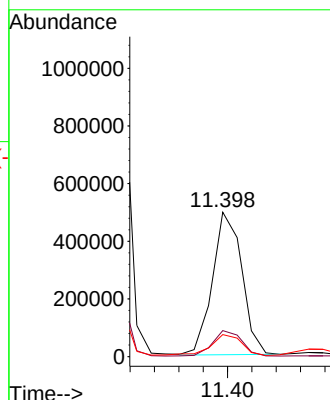
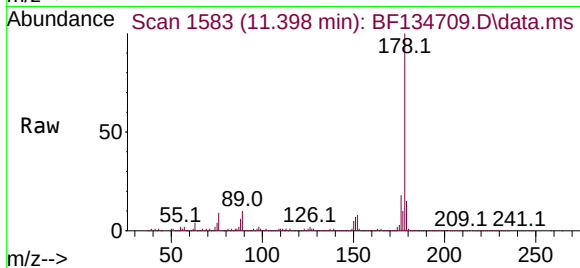
179 15.3 12.3 18.5

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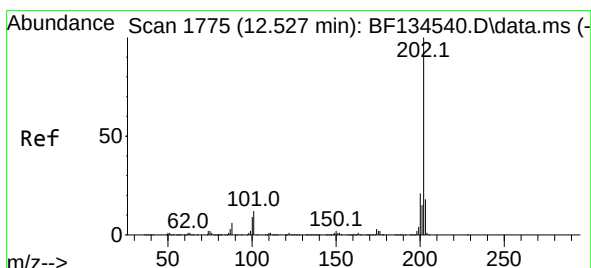
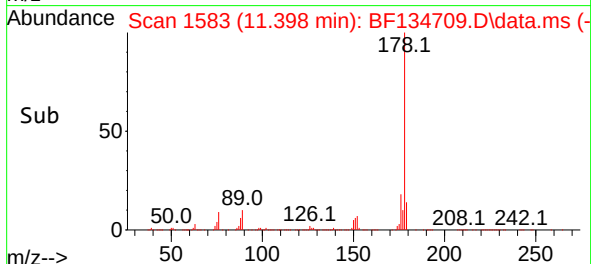
Supervised By :mohammad ahmed 08/11/2023



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Supervised By :mohammad
ahmed

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#75

Fluoranthene

Concen: 16.861 ng

RT: 12.539 min Scan# 1777

Delta R.T. 0.000 min

Lab File: BF134709.D

Acq: 10 Aug 2023 15:13

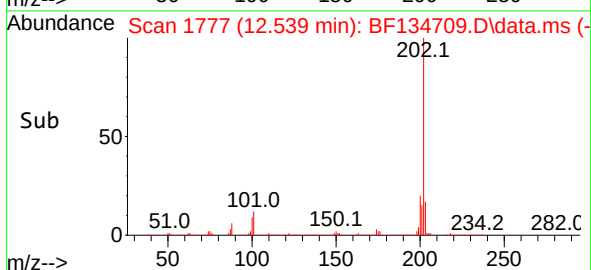
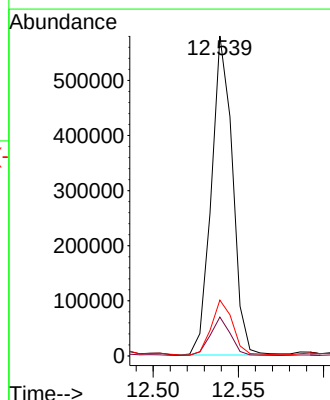
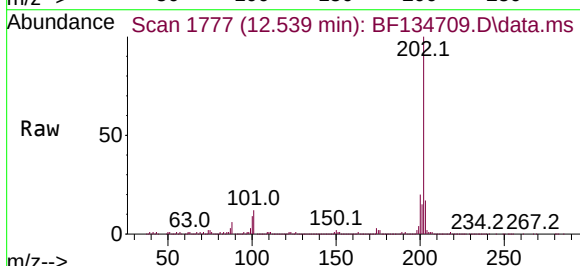
Tgt Ion:202 Resp: 499099

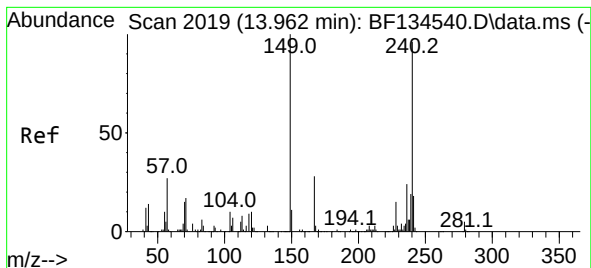
Ion Ratio Lower Upper

202 100

101 12.1 0.0 28.5

203 17.4 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF134709.D

Acq: 10 Aug 2023 15:13

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB-01-Z30-32

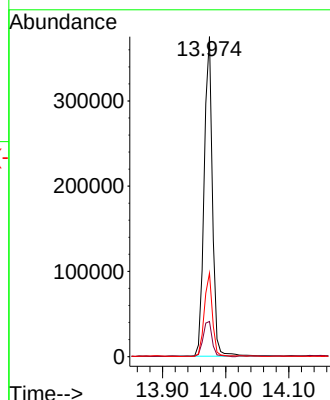
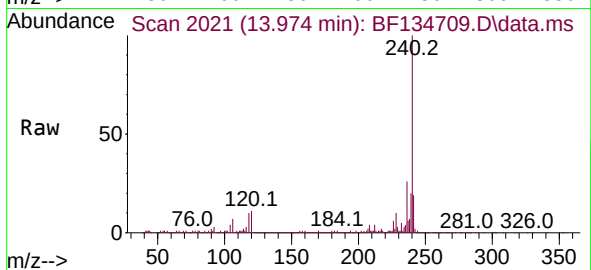
Tgt Ion:240 Resp: 342171
 Ion Ratio Lower Upper
 240 100
 120 11.0 6.6 10.0
 236 26.1 20.2 30.2

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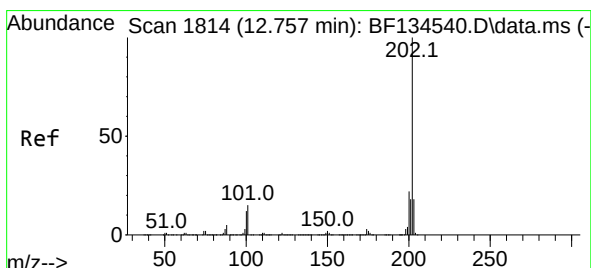
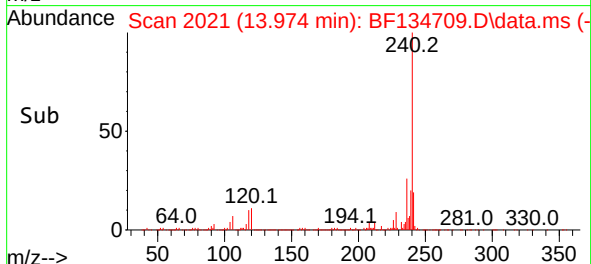
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#78

Pyrene

Concen: 25.447 ng

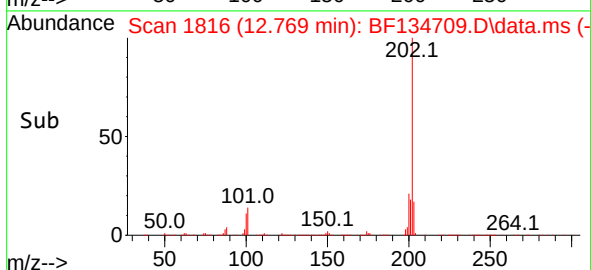
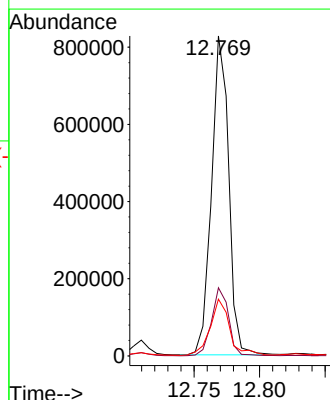
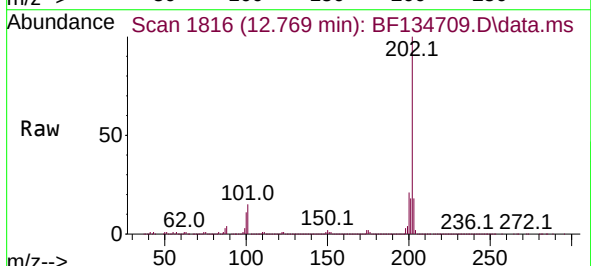
RT: 12.769 min Scan# 1816

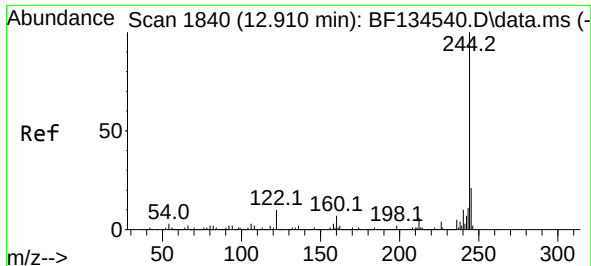
Delta R.T. 0.000 min

Lab File: BF134709.D

Acq: 10 Aug 2023 15:13

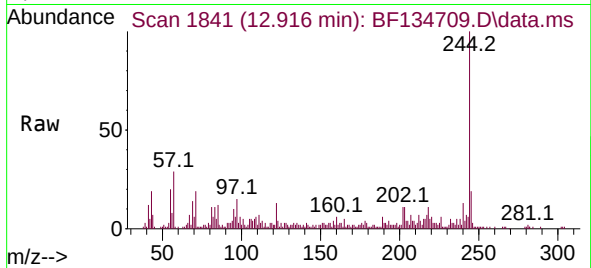
Tgt Ion:202 Resp: 753446
 Ion Ratio Lower Upper
 202 100
 200 21.3 15.8 23.8
 203 17.7 13.5 20.3





#79
Terphenyl-d14
Concen: 1.452 ng
RT: 12.916 min Scan# 1840
Delta R.T. -0.006 min
Lab File: BF134709.D
Acq: 10 Aug 2023 15:13

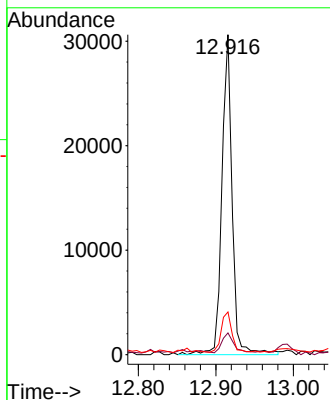
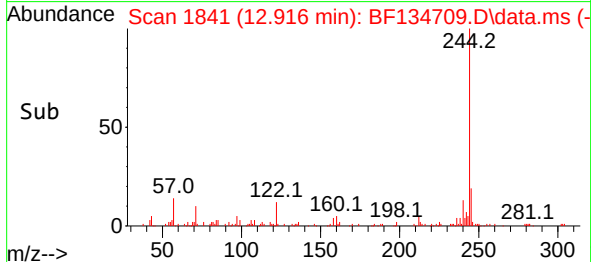
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z30-32



Tgt Ion:244 Resp: 28188
Ion Ratio Lower Upper
244 100
212 6.8 5.6 8.4
122 13.3 8.0 12.0

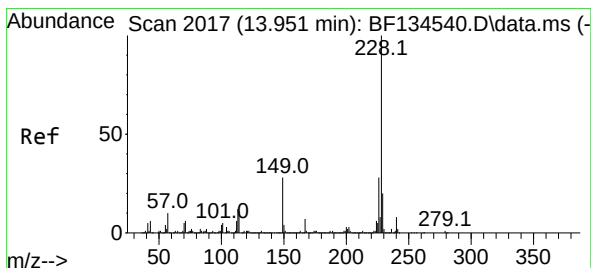
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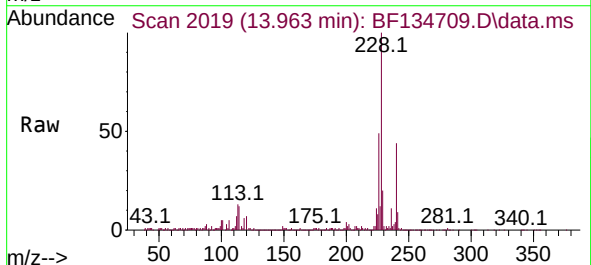


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ahmed

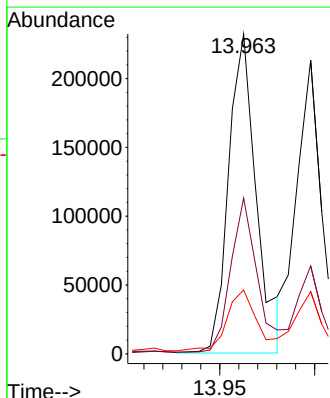
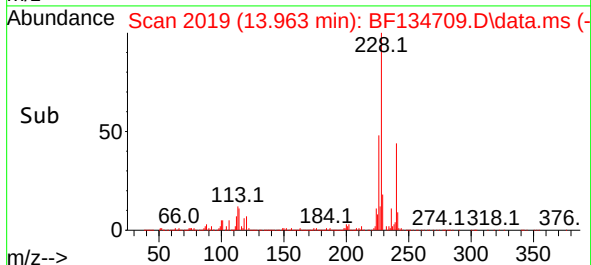
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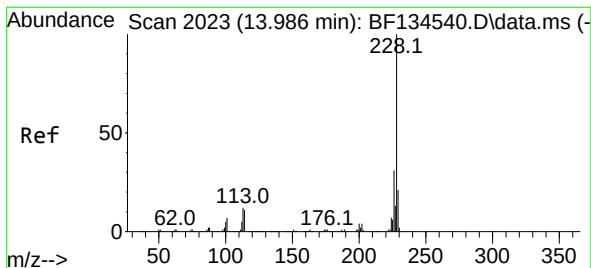


#81
Benzo(a)anthracene
Concen: 9.656 ng m
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF134709.D
Acq: 10 Aug 2023 15:13



Tgt Ion:228 Resp: 236242
Ion Ratio Lower Upper
228 100
226 48.7 22.3 33.5#
229 20.0 15.8 23.6





#83

Chrysene

Concen: 8.160 ng

RT: 13.998 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF134709.D

Acq: 10 Aug 2023 15:13

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB-01-Z30-32

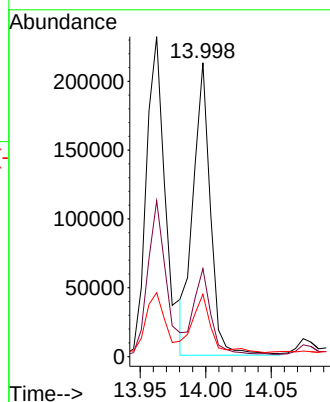
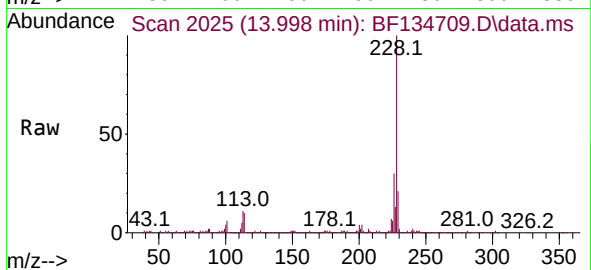
Tgt Ion:228 Resp: 194503
 Ion Ratio Lower Upper
 228 100
 226 29.9 24.5 36.7
 229 21.2 15.8 23.8

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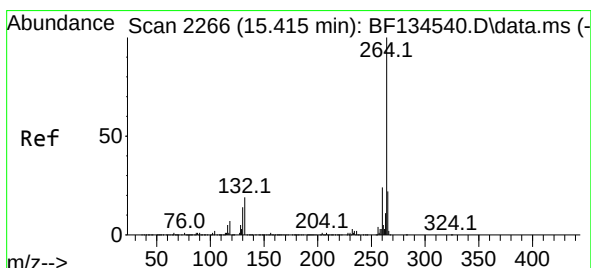
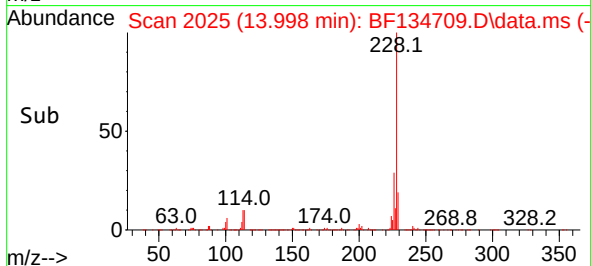
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#86

Perylene-d12

Concen: 20.000 ng

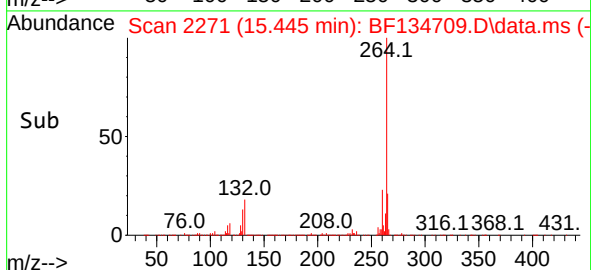
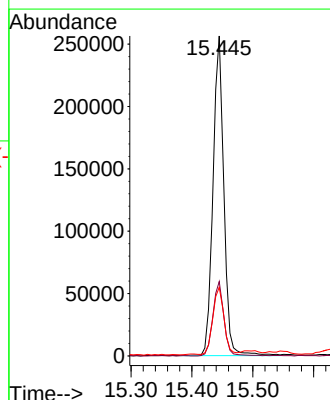
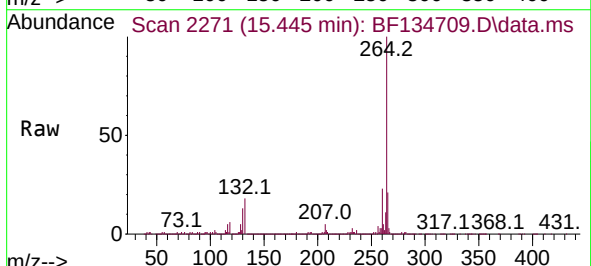
RT: 15.445 min Scan# 2271

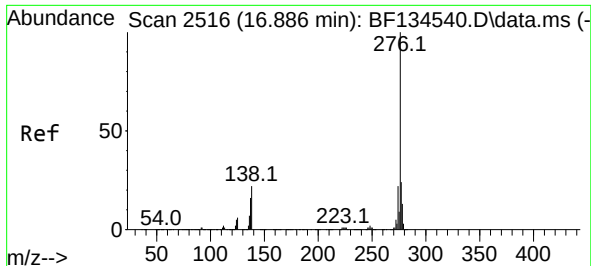
Delta R.T. 0.006 min

Lab File: BF134709.D

Acq: 10 Aug 2023 15:13

Tgt Ion:264 Resp: 317829
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.4 27.6
 265 21.4 15.8 23.8





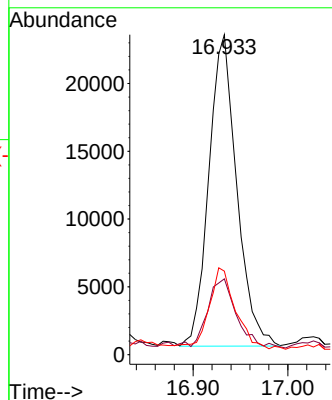
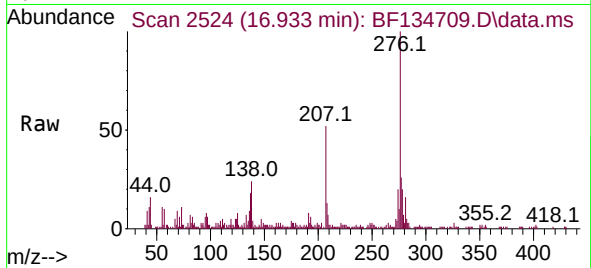
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.518 ng
RT: 16.933 min Scan# 2198
Delta R.T. 0.006 min
Lab File: BF134709.D
Acq: 10 Aug 2023 15:13

Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z30-32

Tgt Ion: 276 Resp: 47073
Ion Ratio Lower Upper
276 100
138 23.1 14.2 21.4
277 24.6 19.9 29.9

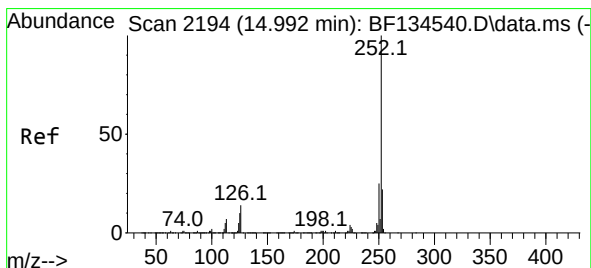
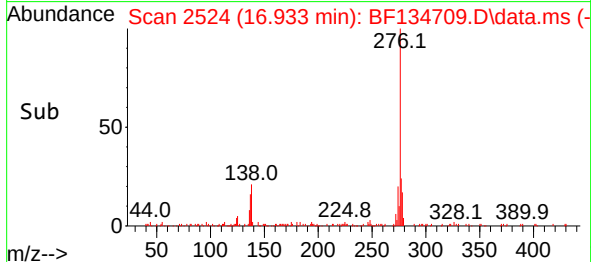
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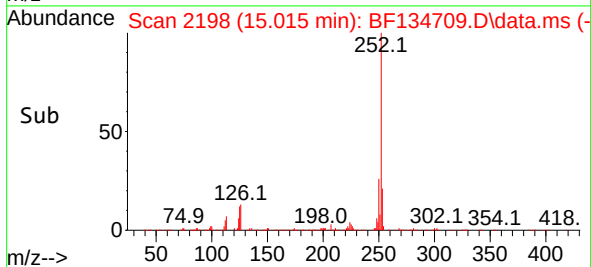
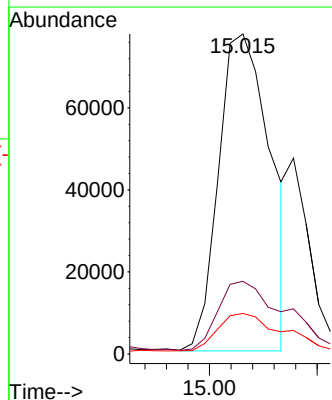
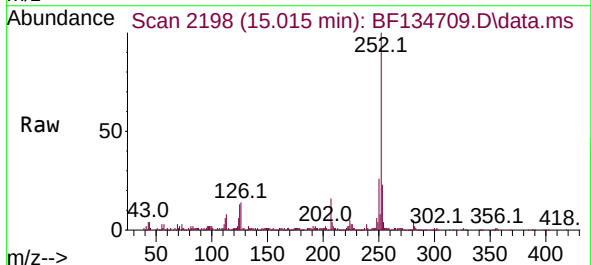
08/11/2023
Supervised By : mohammad
ahmed

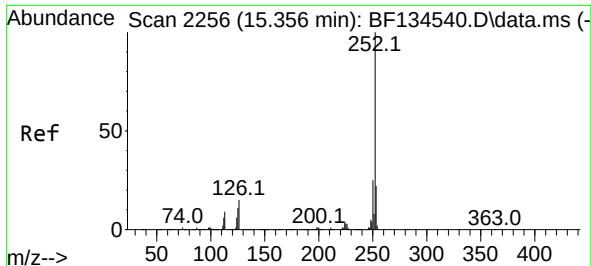
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#88
Benzo(b)fluoranthene
Concen: 6.659 ng m
RT: 15.015 min Scan# 2198
Delta R.T. 0.006 min
Lab File: BF134709.D
Acq: 10 Aug 2023 15:13

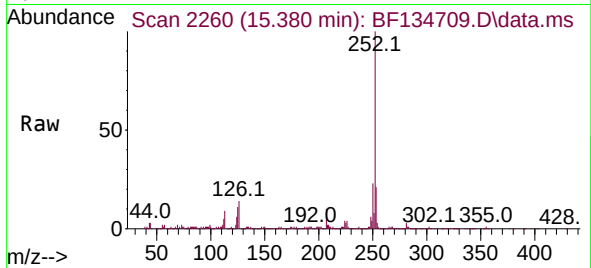
Tgt Ion: 252 Resp: 129087
Ion Ratio Lower Upper
252 100
253 22.7 17.3 25.9
125 12.6 6.0 9.0





#90
Benzo(a)pyrene
Concen: 8.522 ng
RT: 15.380 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF134709.D
Acq: 10 Aug 2023 15:13

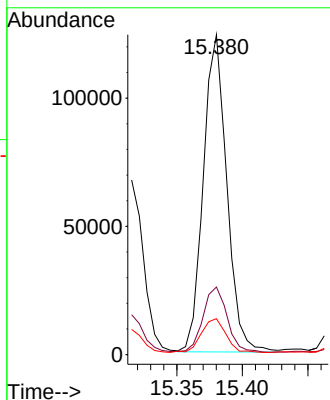
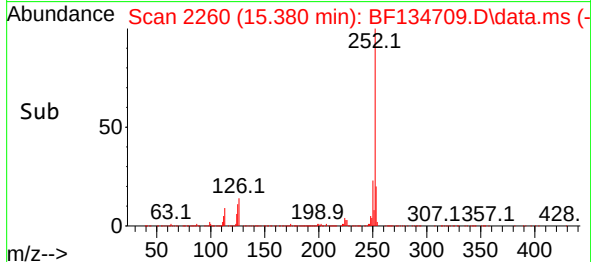
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z30-32



Tgt Ion:252 Resp: 15402
Ion Ratio Lower Upper
252 100
253 21.1 17.0 25.4
125 11.2 6.2 9.4

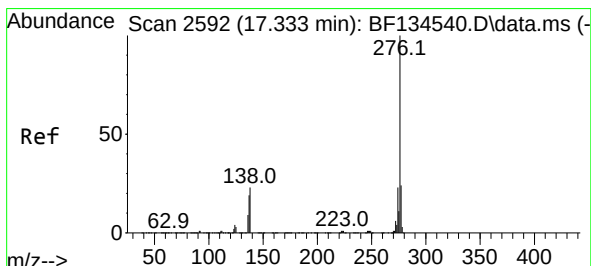
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Supervised By :mohammad ahmed 08/11/2023

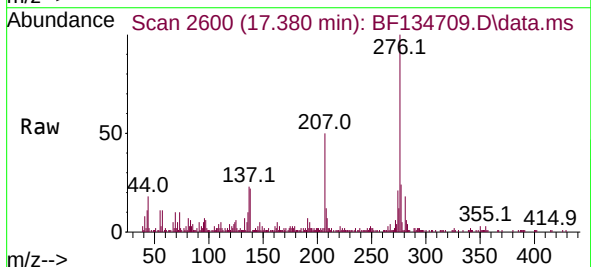


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Supervised By :mohammad
ahmed

08/11/2023



#92
Benzo(g,h,i)perylene
Concen: 3.464 ng
RT: 17.380 min Scan# 2600
Delta R.T. 0.006 min
Lab File: BF134709.D
Acq: 10 Aug 2023 15:13



Tgt Ion:276 Resp: 53379
Ion Ratio Lower Upper
276 100
277 23.8 19.0 28.6
138 21.9 12.2 18.2

