

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081023\
 Data File : BF134707.D
 Acq On : 10 Aug 2023 13:27
 Operator : CG\JU
 Sample : 03932-01 50X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: Aug 11 03:53:49 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	164791	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	645135	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	308177	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	515347	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	332548	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	305318	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	8289	0.765	ng	0.00
7) Phenol-d6	6.434	99	10935	0.789	ng	0.00
23) Nitrobenzene-d5	7.357	82	10287	0.996	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	2535	0.807	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	22385	1.208	ng	-0.01
79) Terphenyl-d14	12.916	244	21320	1.130	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.110	128	3845456	118.602	ng	97
37) 2-Methylnaphthalene	8.798	142	1403726	65.316	ng	99
38) 1-Methylnaphthalene	8.892	142	950848	47.579	ng	97
46) 1,1'-Biphenyl	9.257	154	200134	8.351	ng	96
49) Acenaphthylene	9.692	152	76867	2.723	ng	# 82
52) Acenaphthene	9.869	154	615972	33.675	ng	99
58) Fluorene	10.386	166	310658	16.379	ng	95
71) Phenanthrene	11.351	178	1160249	42.386	ng	100
72) Anthracene	11.398	178	371232	13.277	ng	100
75) Fluoranthene	12.539	202	389535	13.472	ng	96
78) Pyrene	12.768	202	571645	19.865	ng	97
81) Benzo(a)anthracene	13.963	228	208617m	8.773	ng	
83) Chrysene	13.998	228	175024	7.555	ng	98
88) Benzo(b)fluoranthene	15.015	252	98581m	5.294	ng	
90) Benzo(a)pyrene	15.380	252	112349	6.471	ng	# 96
92) Benzo(g,h,i)perylene	17.386	276	31879	2.154	ng	# 83

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

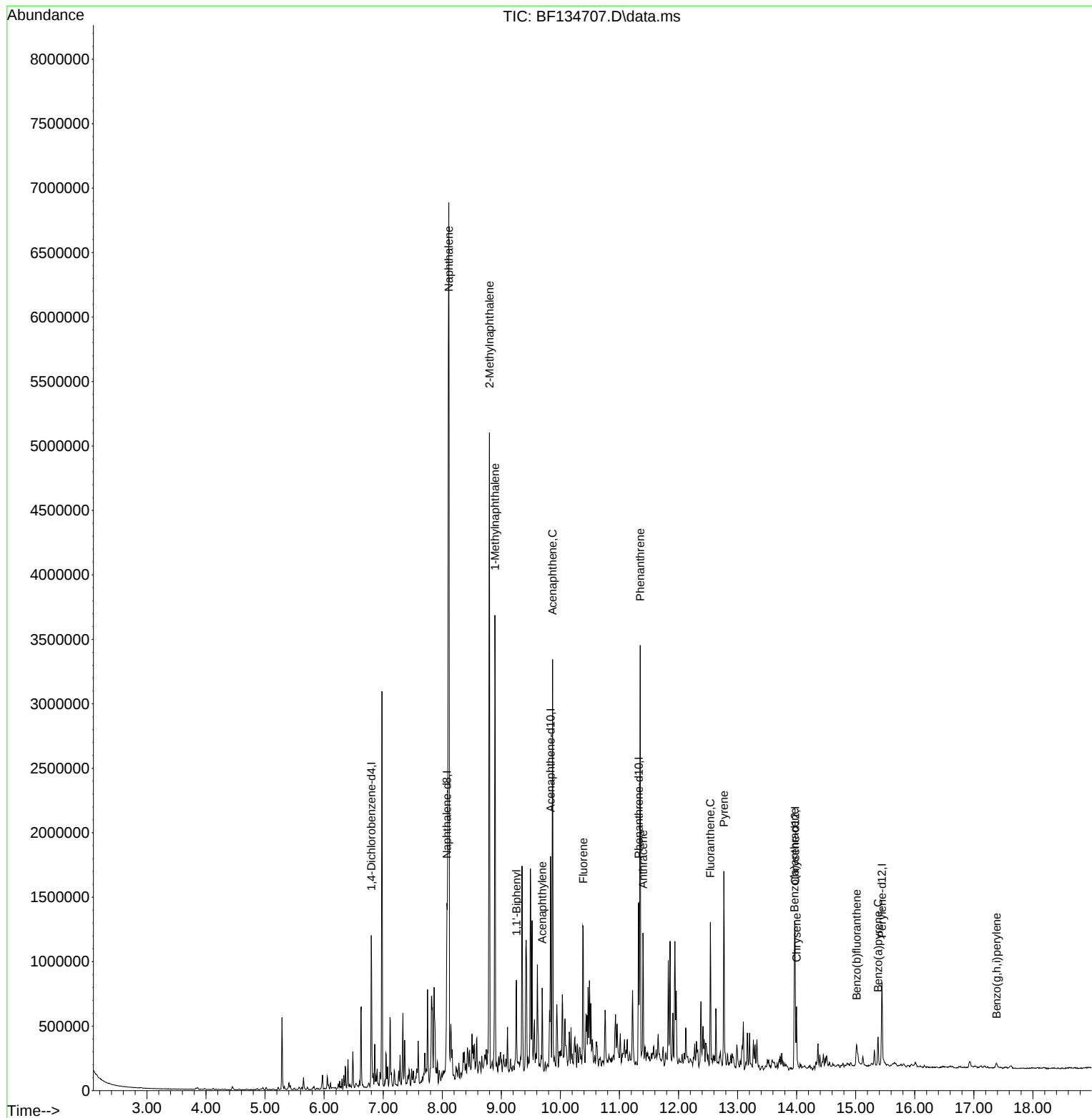
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081023\
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ALS Vial : 7 Sample Multiplier: 1

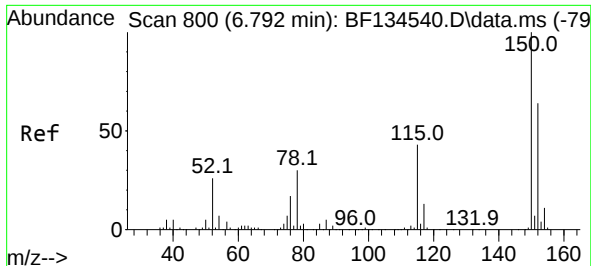
Instrument :
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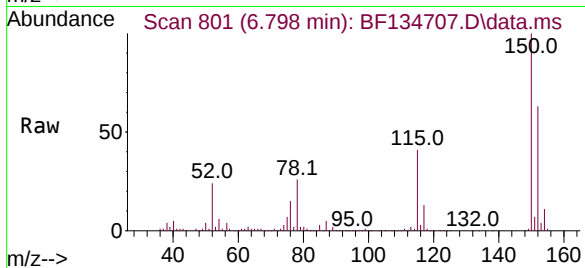
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134707.D
Acq: 10 Aug 2023 13:27

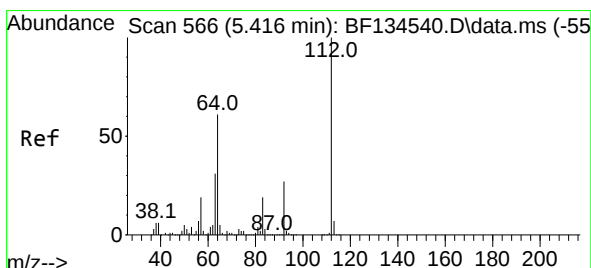
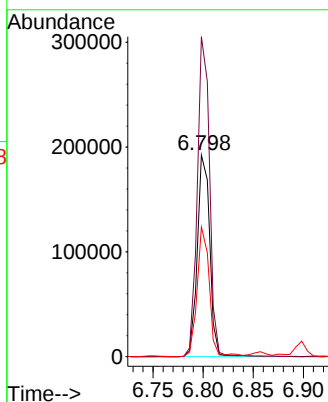
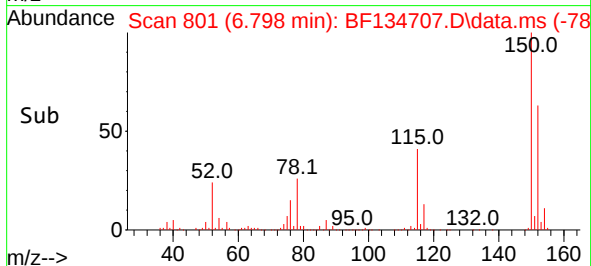
Instrument :
BNA_F
Client Sample Id :
NEVINS-SB-01-Z18-20



Tgt Ion:152 Resp: 164791
Ion Ratio Lower Upper
152 100
150 158.8 128.3 192.5
115 64.4 52.4 78.6

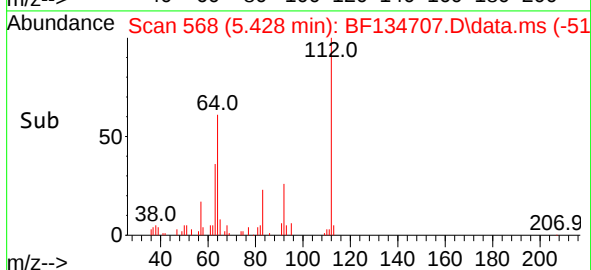
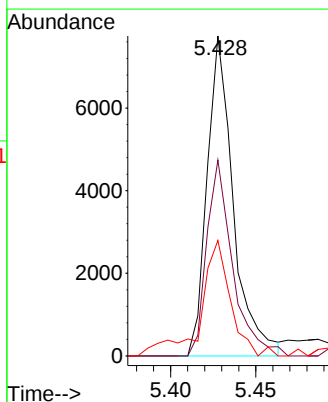
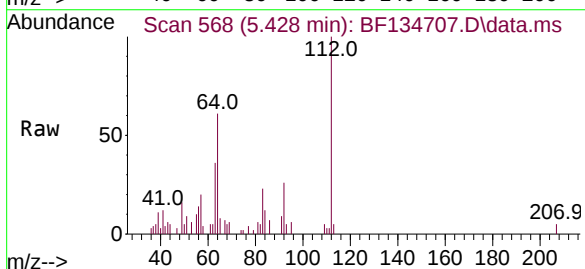
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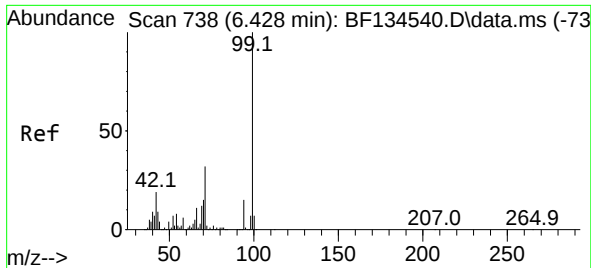
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023



#5
2-Fluorophenol
Concen: 0.765 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF134707.D
Acq: 10 Aug 2023 13:27

Tgt Ion:112 Resp: 8289
Ion Ratio Lower Upper
112 100
64 61.2 44.9 67.3
63 36.1 25.4 38.0





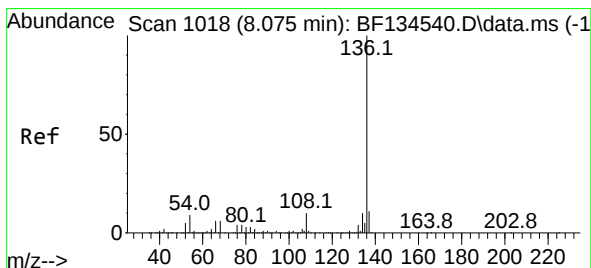
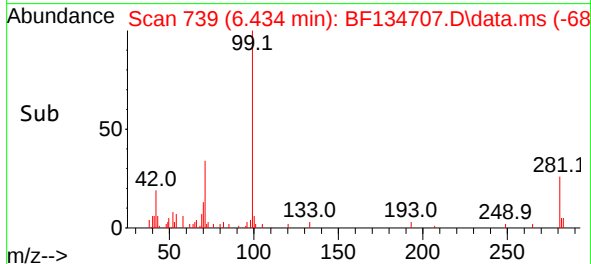
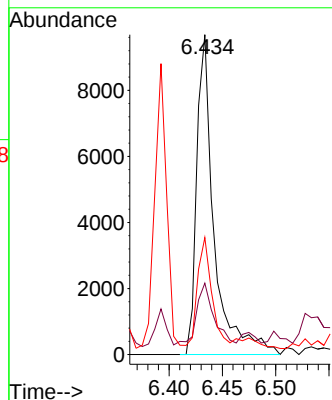
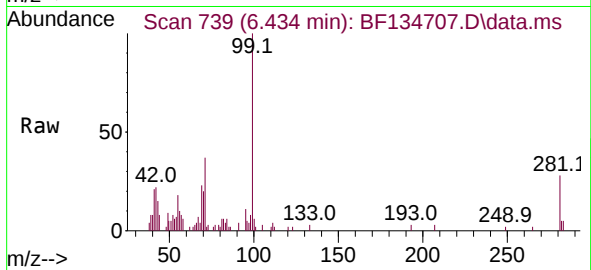
#7
Phenol-d6
Concen: 0.789 ng
RT: 6.434 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF134707.D
Acq: 10 Aug 2023 13:27

Instrument :
BNA_F
Client Sample Id :
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Tgt Ion: 99	Resp: 10935
Ion Ratio	Lower Upper
99 100	
42 22.3	18.7 28.1
71 36.6	36.4 54.6

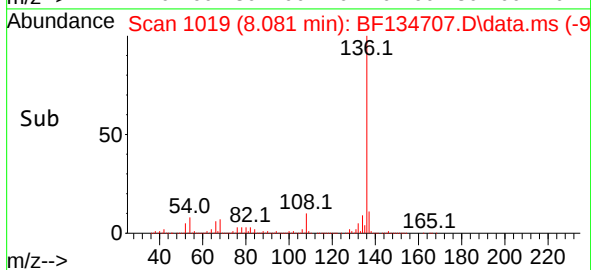
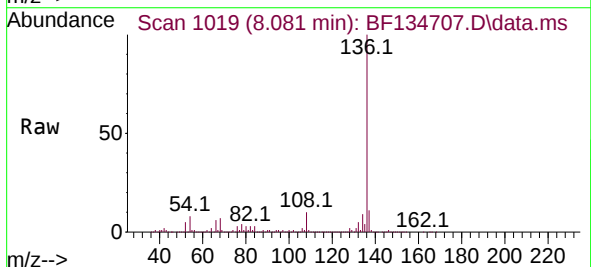
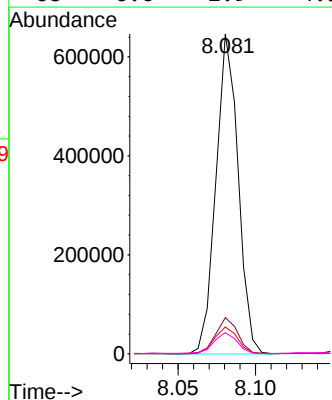
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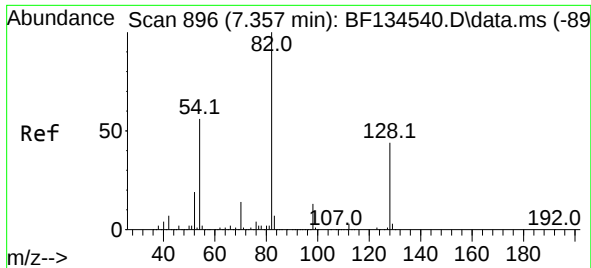
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF134707.D
Acq: 10 Aug 2023 13:27

Tgt Ion: 136	Resp: 645135
Ion Ratio	Lower Upper
136 100	
137 11.3	8.4 12.6
54 8.4	5.2 7.8#
68 6.6	2.9 4.3#





#23

Nitrobenzene-d5

Concen: 0.996 ng

RT: 7.357 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF134707.D

Acq: 10 Aug 2023 13:27

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB-01-Z18-20

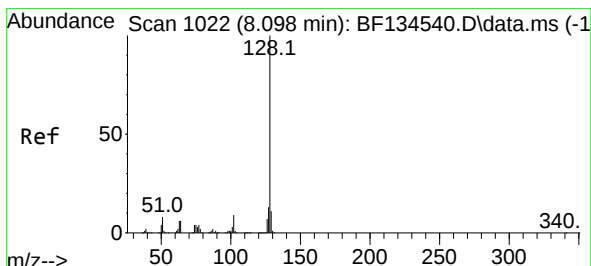
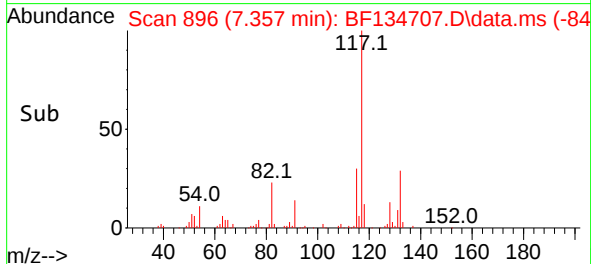
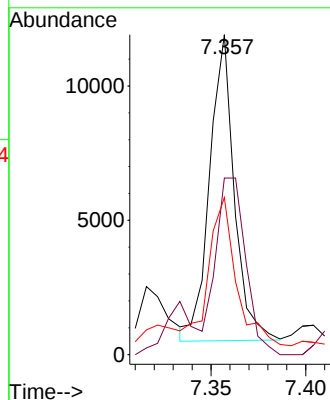
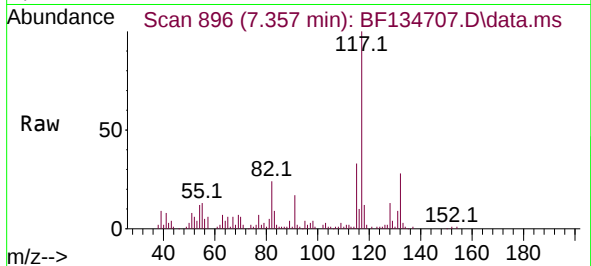
Tgt Ion: 82	Resp: 1028
Ion Ratio	Lower Upper
82	100
128	55.2 34.3 51.5
54	49.1 43.8 65.6

Manual Integrations

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Supervised By :mohammad ahmed 08/11/2023



#31

Naphthalene

Concen: 118.602 ng

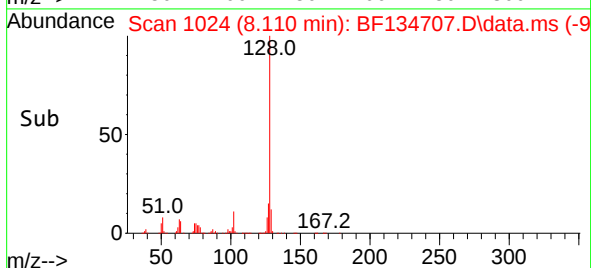
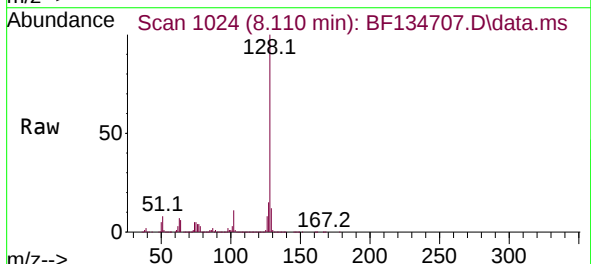
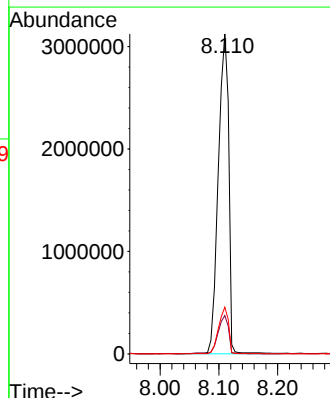
RT: 8.110 min Scan# 1024

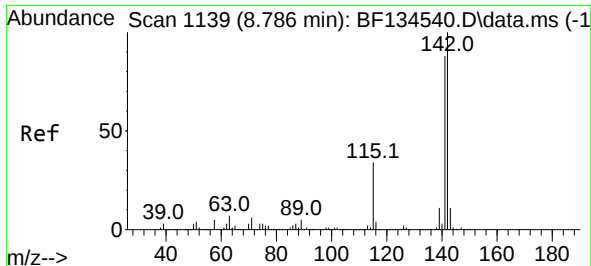
Delta R.T. 0.006 min

Lab File: BF134707.D

Acq: 10 Aug 2023 13:27

Tgt Ion:128	Resp: 3845456
Ion Ratio	Lower Upper
128	100
129	12.0 8.4 12.6
127	14.6 10.7 16.1





#37

2-Methylnaphthalene

Concen: 65.316 ng

RT: 8.798 min Scan# 1141

Delta R.T. 0.006 min

Lab File: BF134707.D

Acq: 10 Aug 2023 13:27

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB-01-Z18-20

Tgt Ion:142 Resp: 1403726

Ion Ratio Lower Upper

142 100

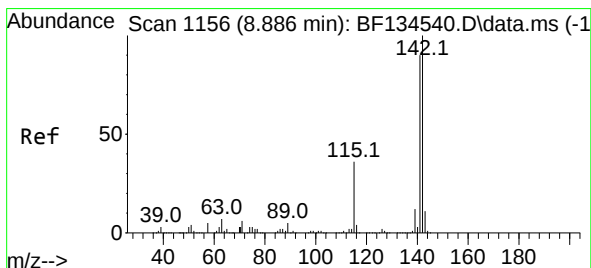
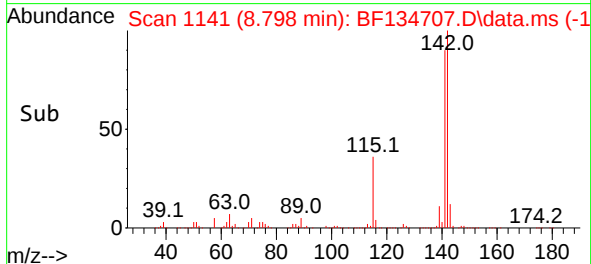
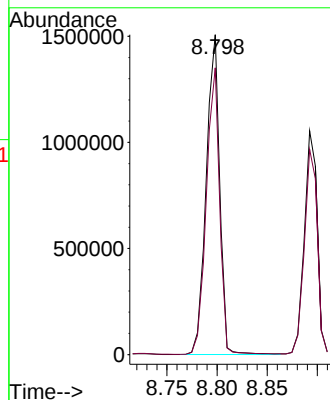
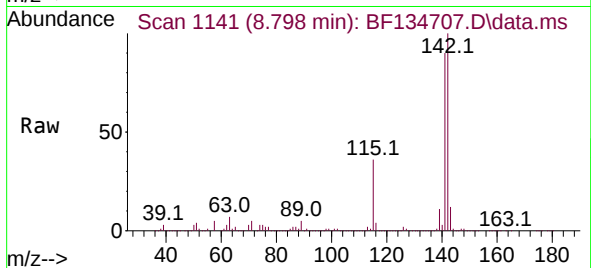
141 89.6 70.8 106.2

Manual Integrations

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Reviewed By :Yogesh Patel 08/11/2023

Supervised By :mohammad ahmed 08/11/2023



#38

1-Methylnaphthalene

Concen: 47.579 ng

RT: 8.892 min Scan# 1157

Delta R.T. -0.000 min

Lab File: BF134707.D

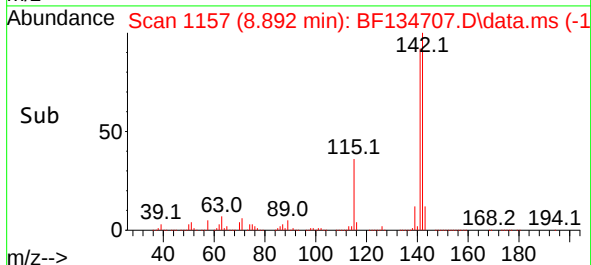
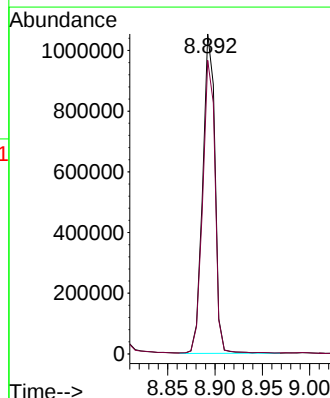
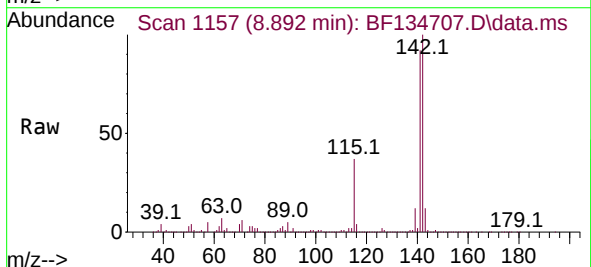
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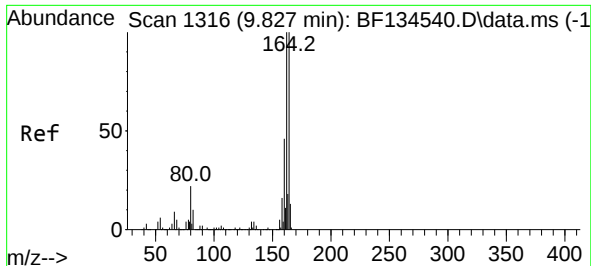
Tgt Ion:142 Resp: 950848

Ion Ratio Lower Upper

142 100

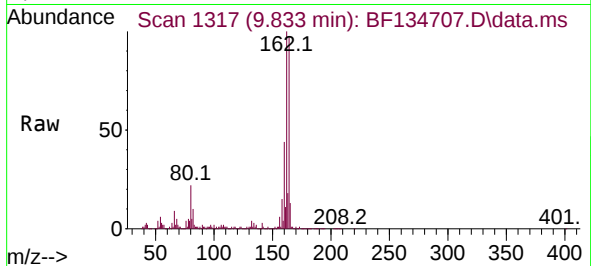
141 91.7 71.4 107.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1316
Delta R.T. -0.000 min
Lab File: BF134707.D
Acq: 10 Aug 2023 13:27

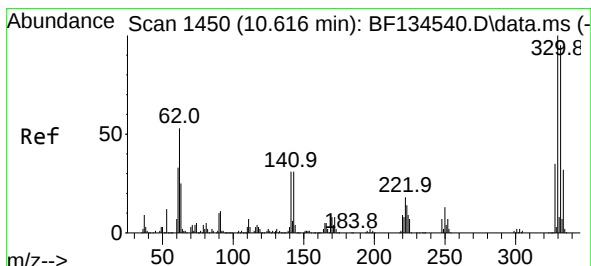
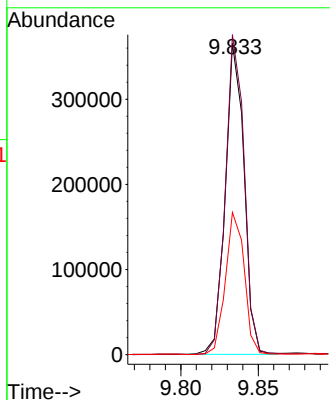
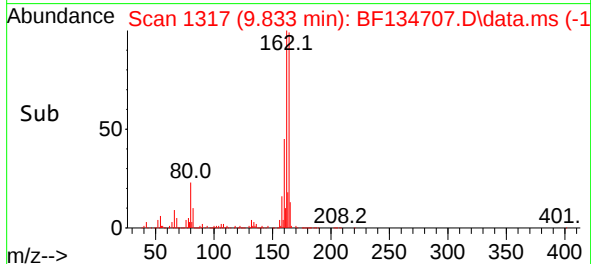
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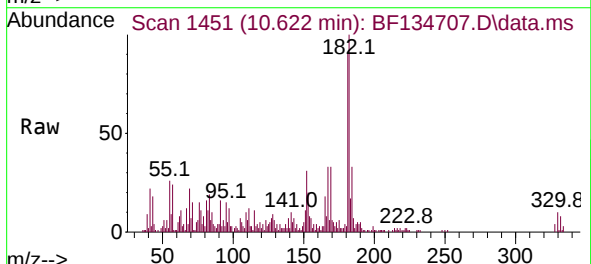
Tgt Ion:164 Resp: 30817
Ion Ratio Lower Upper
164 100
162 102.8 82.6 123.8
160 45.7 37.2 55.8

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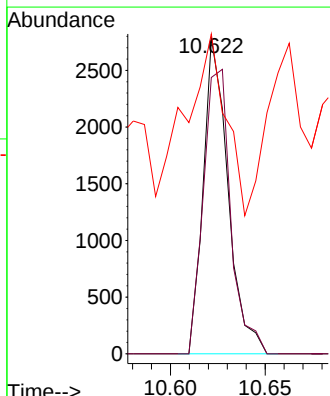
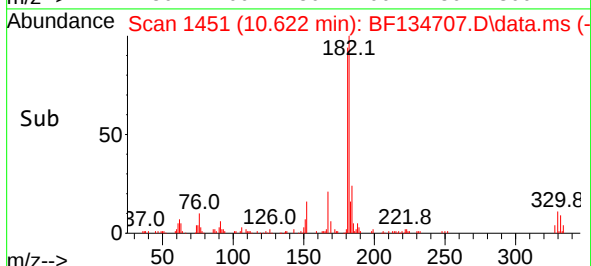
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023

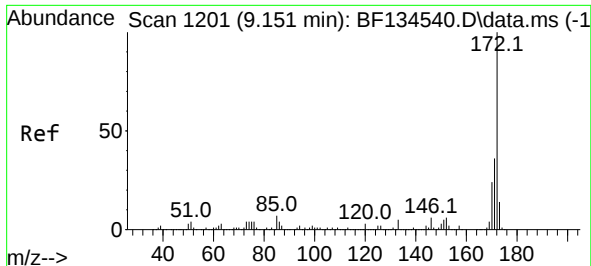


#42
2,4,6-Tribromophenol
Concen: 0.807 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134707.D
Acq: 10 Aug 2023 13:27



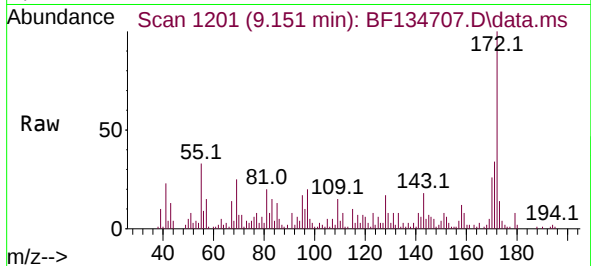
Tgt Ion:330 Resp: 2535
Ion Ratio Lower Upper
330 100
332 99.9 78.8 118.2
141 93.2 25.4 38.2#





#45
2-Fluorobiphenyl
Concen: 1.208 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF134707.D
Acq: 10 Aug 2023 13:27

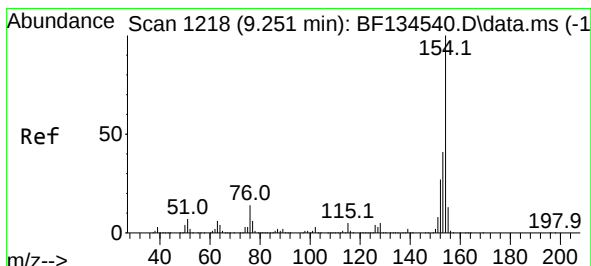
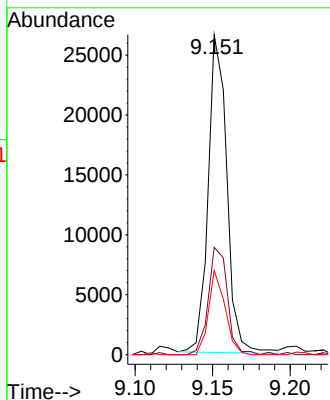
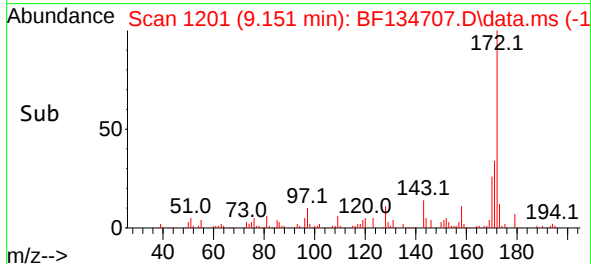
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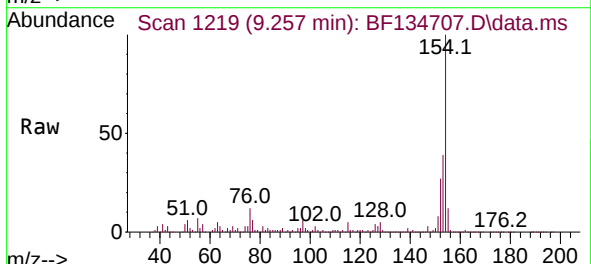
Tgt Ion:172 Resp: 22385
Ion Ratio Lower Upper
172 100
171 33.5 28.8 43.2
170 26.3 18.7 28.1

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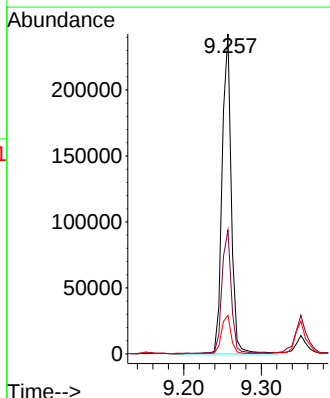
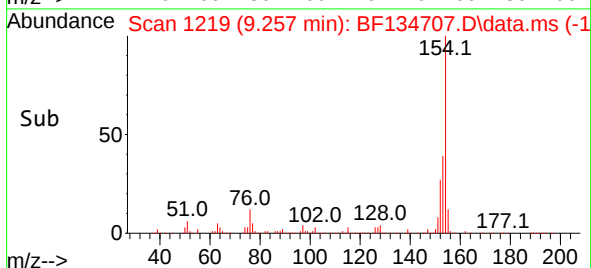
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023

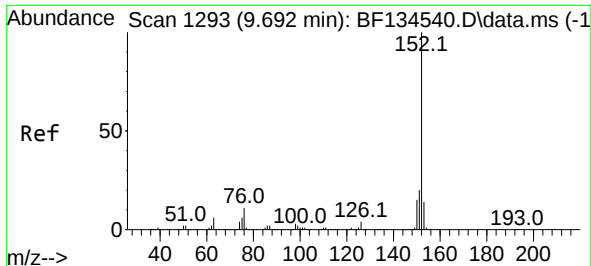


#46
1,1'-Biphenyl
Concen: 8.351 ng
RT: 9.257 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF134707.D
Acq: 10 Aug 2023 13:27



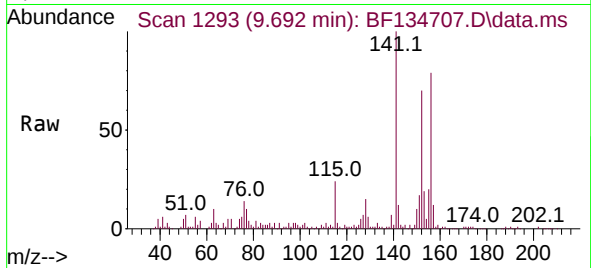
Tgt Ion:154 Resp: 200134
Ion Ratio Lower Upper
154 100
153 38.7 20.8 60.8
76 12.0 0.0 30.2





#49
Acenaphthylene
Concen: 2.723 ng
RT: 9.692 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BF134707.D
Acq: 10 Aug 2023 13:27

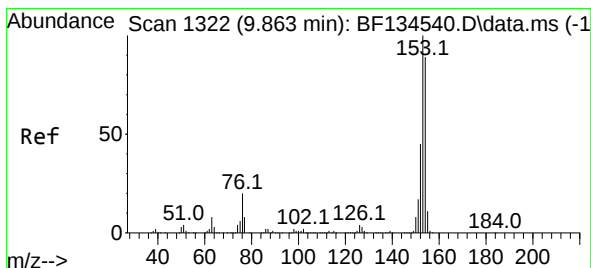
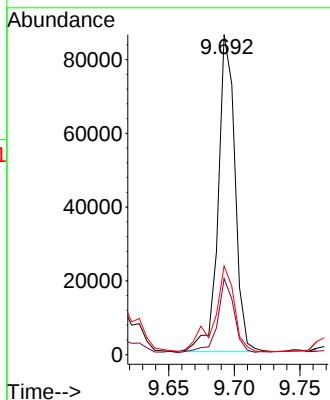
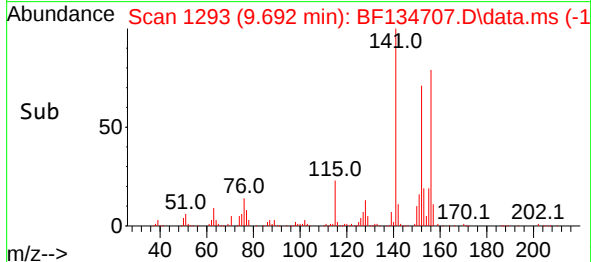
Instrument :
BNA_F
ClientSampleId :
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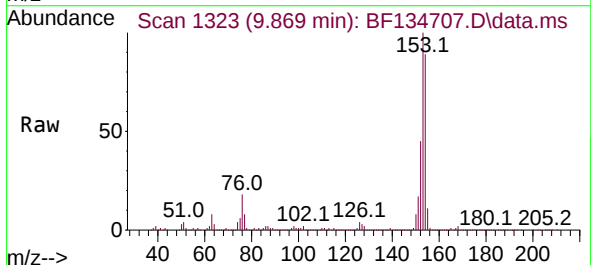
Tgt Ion:152 Resp: 76862
Ion Ratio Lower Upper
152 100
151 23.7 16.4 24.6
153 27.7 10.9 16.3

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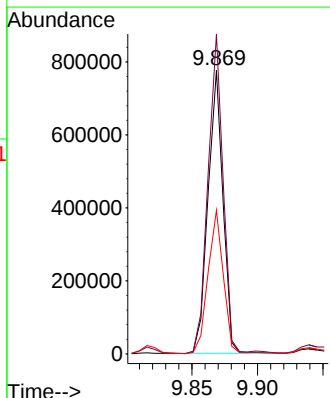
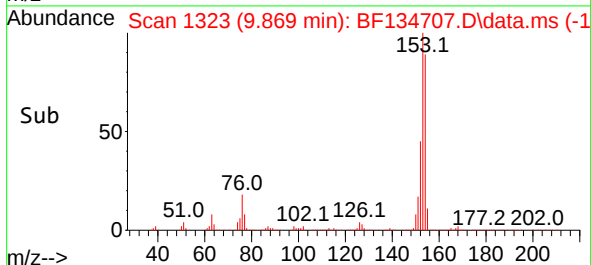
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023

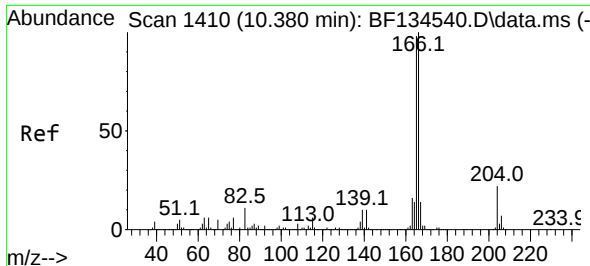


#52
Acenaphthene
Concen: 33.675 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF134707.D
Acq: 10 Aug 2023 13:27



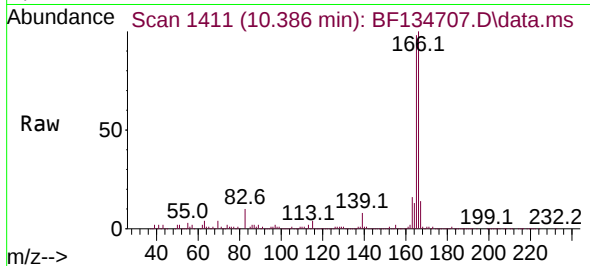
Tgt Ion:154 Resp: 615972
Ion Ratio Lower Upper
154 100
153 112.9 90.0 135.0
152 50.6 42.4 63.6





#58
Fluorene
Concen: 16.379 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BF134707.D
Acq: 10 Aug 2023 13:27

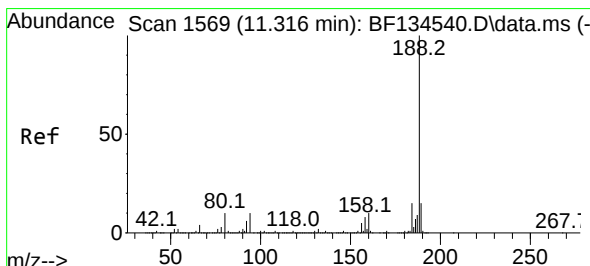
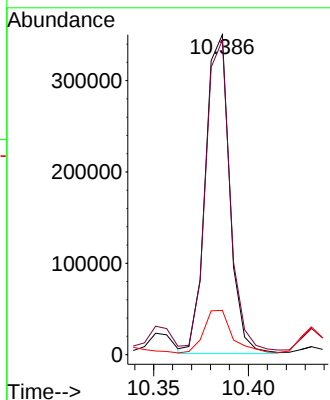
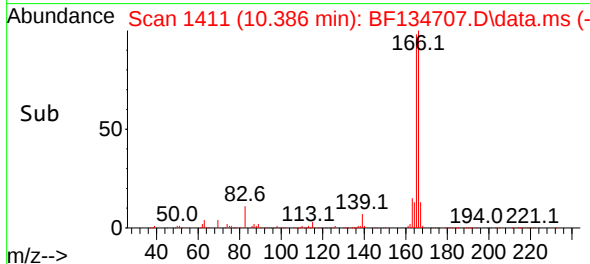
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z18-20



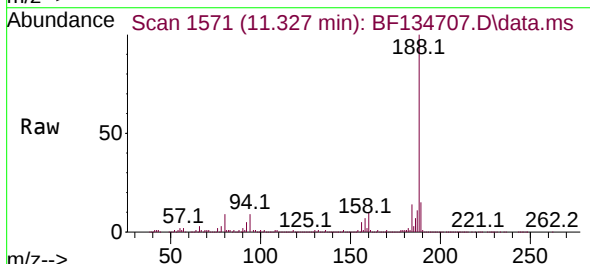
Tgt Ion:166 Resp: 310658
Ion Ratio Lower Upper
166 100
165 98.2 74.5 111.7
167 13.8 10.6 16.0

Manual Integrations
APPROVED

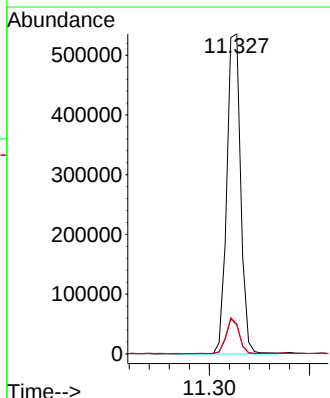
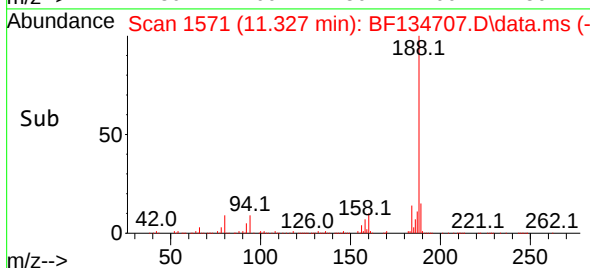
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023

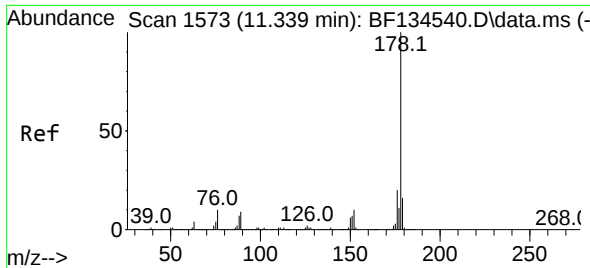


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1571
Delta R.T. 0.006 min
Lab File: BF134707.D
Acq: 10 Aug 2023 13:27



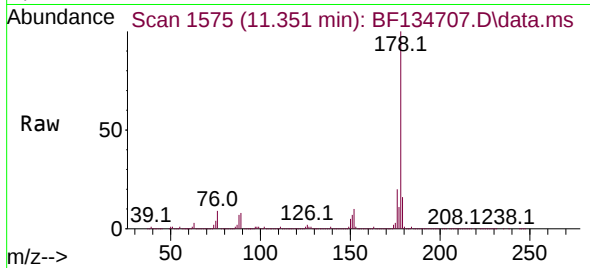
Tgt Ion:188 Resp: 515347
Ion Ratio Lower Upper
188 100
94 9.0 5.1 7.7#
80 9.4 6.6 9.8





#71
Phenanthrene
Concen: 42.386 ng
RT: 11.351 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF134707.D
Acq: 10 Aug 2023 13:27

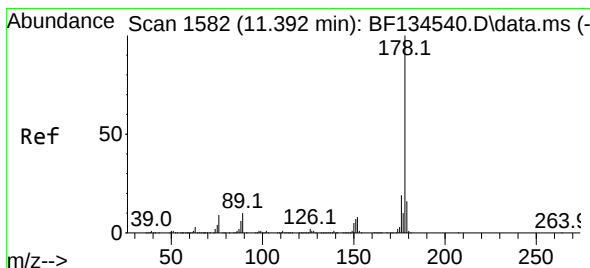
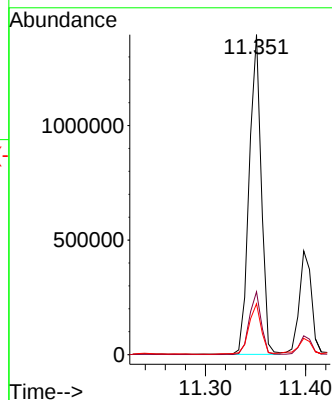
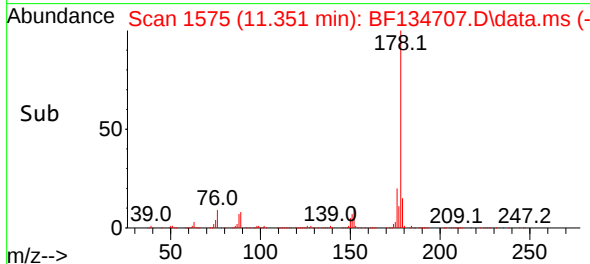
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z18-20



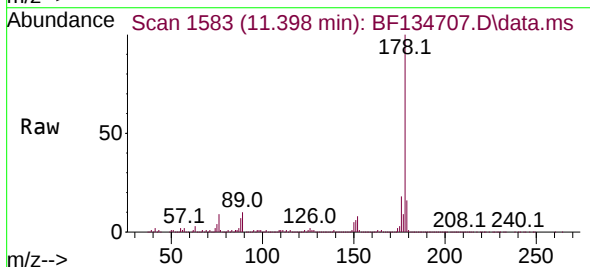
Tgt Ion:178 Resp: 1160249
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.6
179 15.9 12.7 19.1

Manual Integrations
APPROVED

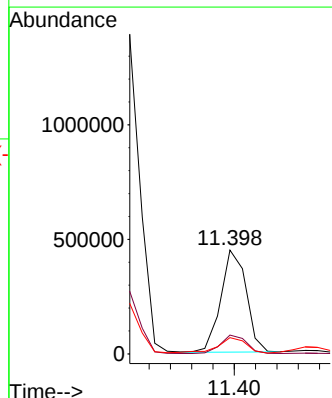
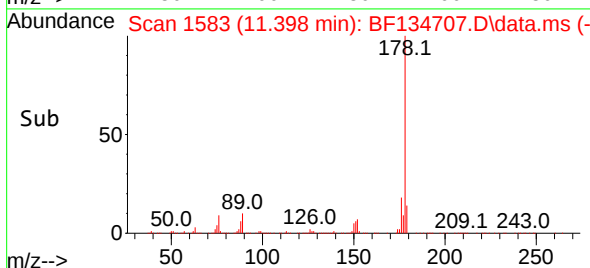
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023

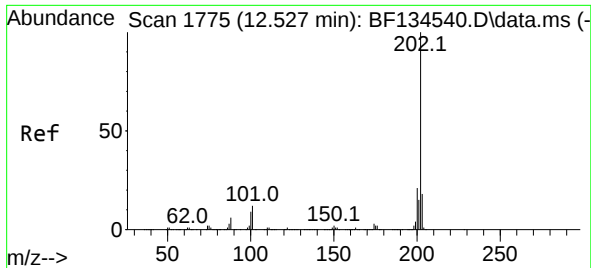


#72
Anthracene
Concen: 13.277 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF134707.D
Acq: 10 Aug 2023 13:27



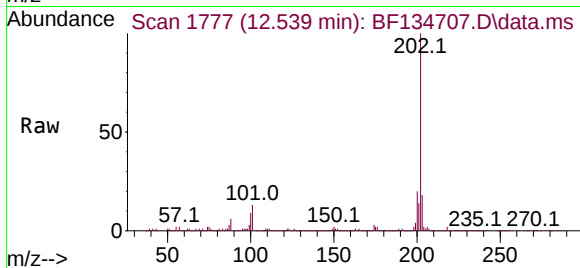
Tgt Ion:178 Resp: 371232
Ion Ratio Lower Upper
178 100
176 18.1 14.6 21.8
179 15.7 12.3 18.5





#75
Fluoranthene
Concen: 13.472 ng
RT: 12.539 min Scan# 1777
Delta R.T. -0.000 min
Lab File: BF134707.D
Acq: 10 Aug 2023 13:27

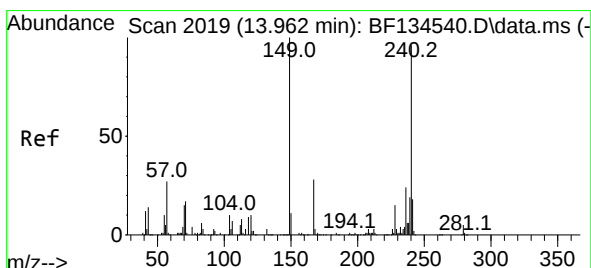
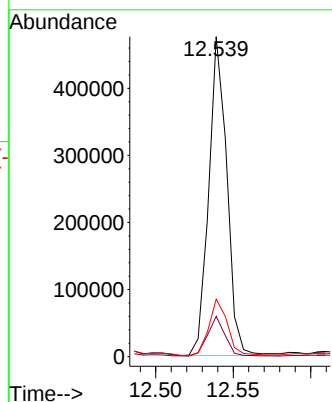
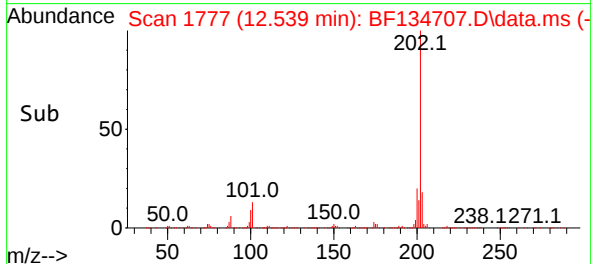
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z18-20



Tgt Ion:202 Resp: 389535
Ion Ratio Lower Upper
202 100
101 12.6 0.0 28.5
203 18.0 0.0 37.5

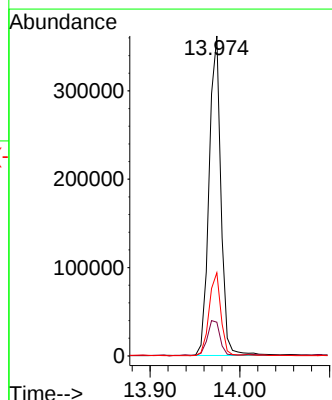
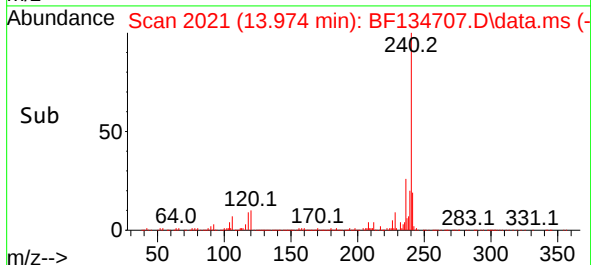
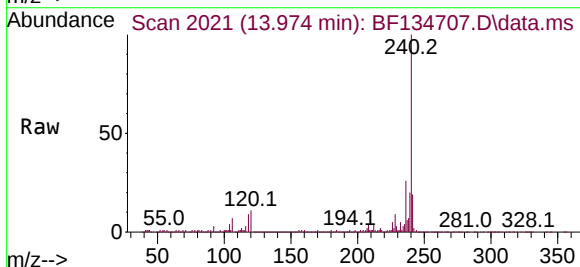
Manual Integrations
APPROVED

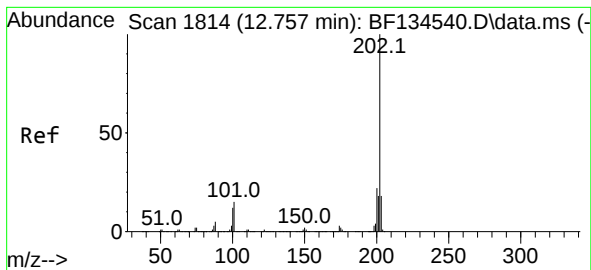
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF134707.D
Acq: 10 Aug 2023 13:27

Tgt Ion:240 Resp: 332548
Ion Ratio Lower Upper
240 100
120 10.5 6.6 10.0#
236 26.0 20.2 30.2





#78

Pyrene

Concen: 19.865 ng

RT: 12.768 min Scan# 1814

Delta R.T. -0.000 min

Lab File: BF134707.D

Acq: 10 Aug 2023 13:27

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB-01-Z18-20

Tgt Ion:202 Resp: 571645

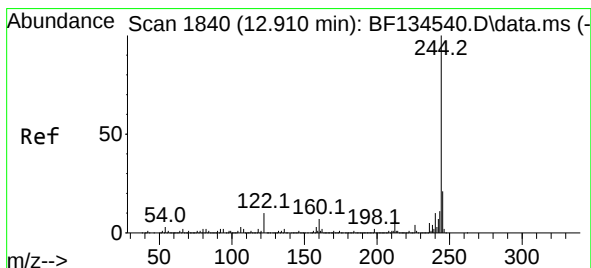
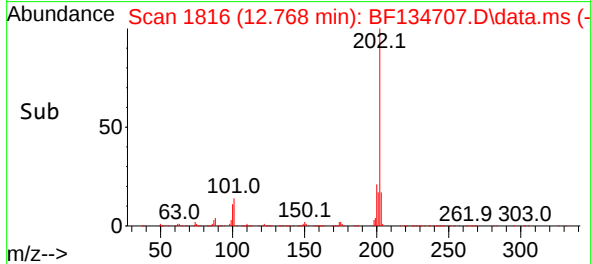
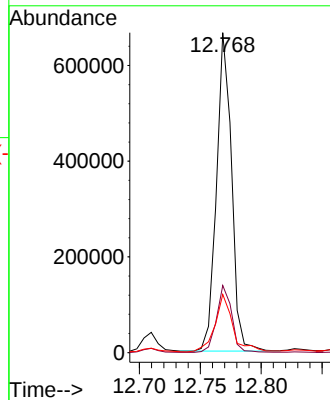
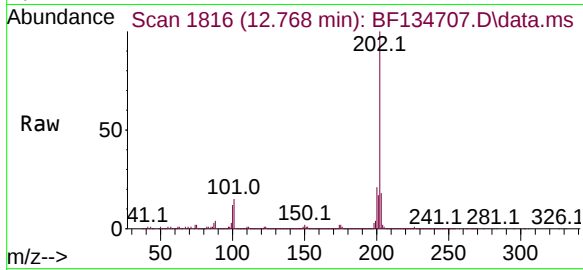
Ion	Ratio	Lower	Upper
202	100		
200	21.0	15.8	23.8
203	18.2	13.5	20.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/11/2023

Supervised By :mohammad ahmed 08/11/2023



#79

Terphenyl-d14

Concen: 1.130 ng

RT: 12.916 min Scan# 1841

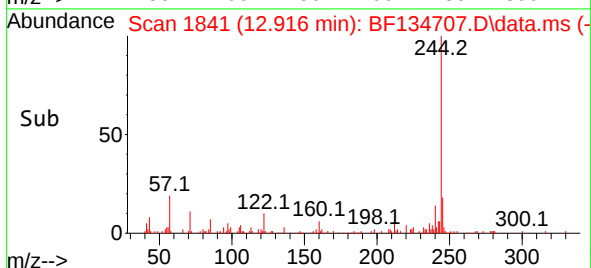
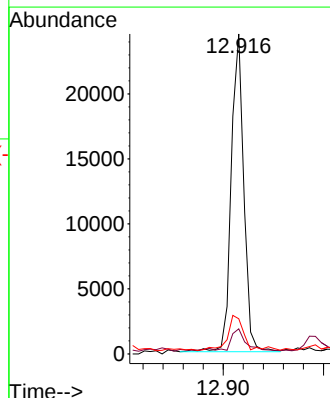
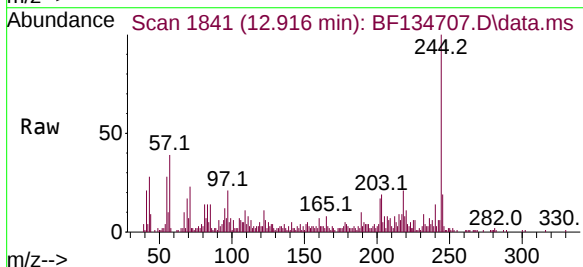
Delta R.T. -0.006 min

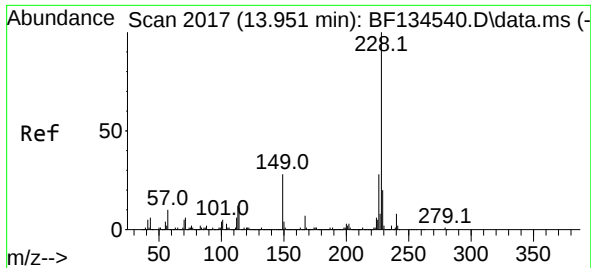
Lab File: BF134707.D

Acq: 10 Aug 2023 13:27

Tgt Ion:244 Resp: 21320

Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.6	8.4
122	11.0	8.0	12.0





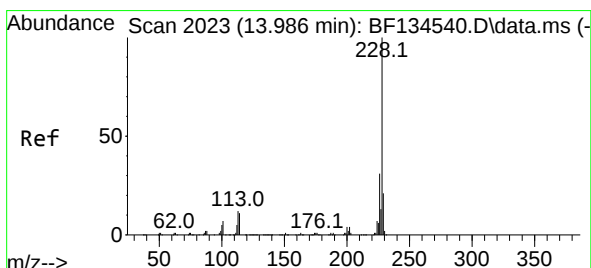
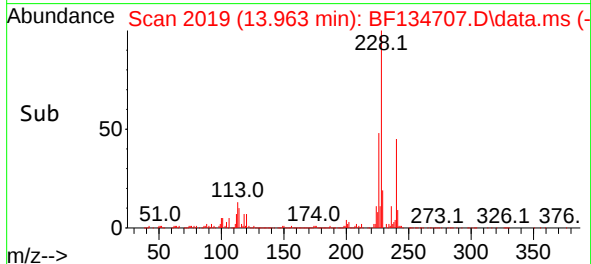
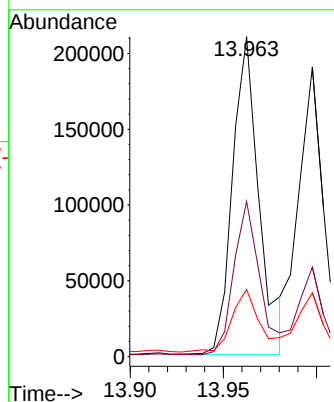
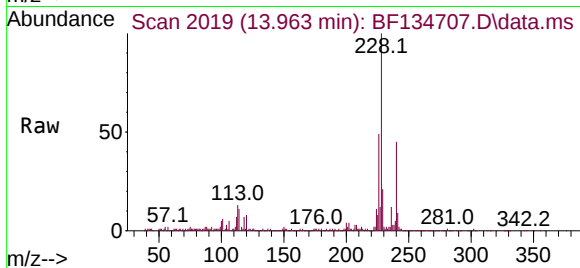
#81
Benzo(a)anthracene
Concen: 8.773 ng m
RT: 13.963 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF134707.D
Acq: 10 Aug 2023 13:27

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

Tgt Ion:228 Resp: 20861
Ion Ratio Lower Upper
228 100
226 48.5 22.3 33.5
229 21.0 15.8 23.6

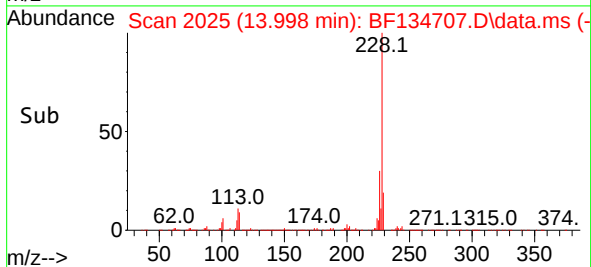
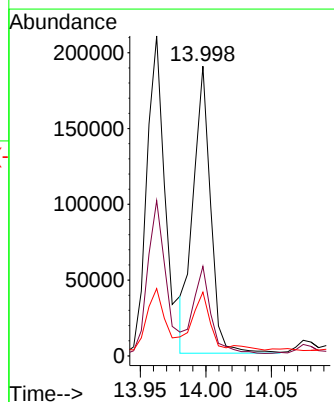
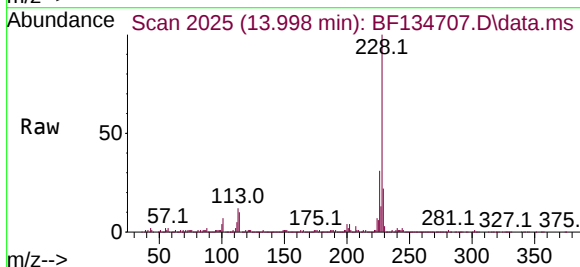
Manual Integrations
APPROVED

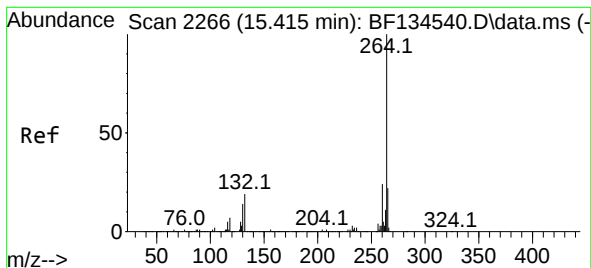
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023



#83
Chrysene
Concen: 7.555 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF134707.D
Acq: 10 Aug 2023 13:27

Tgt Ion:228 Resp: 175024
Ion Ratio Lower Upper
228 100
226 30.9 24.5 36.7
229 22.0 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134707.D

Acq: 10 Aug 2023 13:27

Instrument :

BNA_F

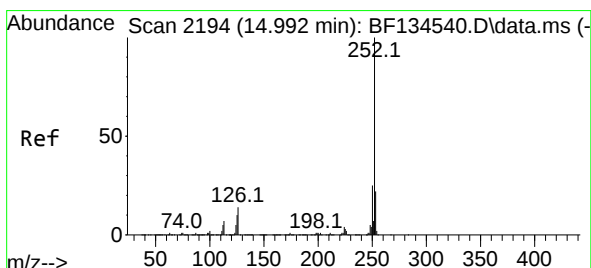
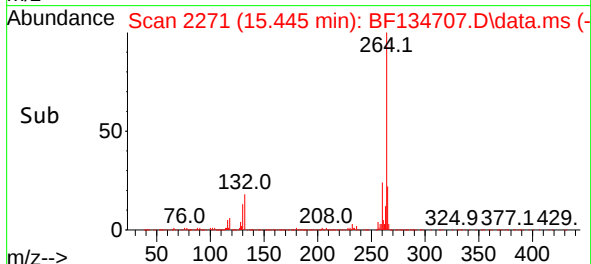
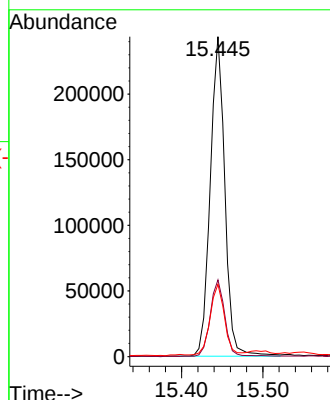
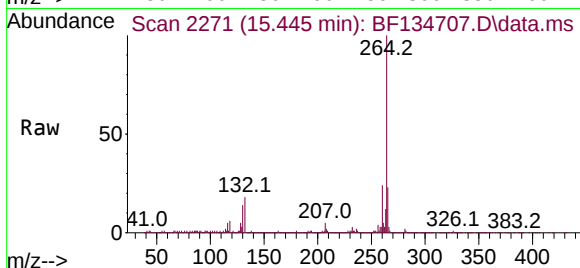
ClientSampleId :

NEVINS-SB-01-Z18-20

Tgt Ion:264	Resp: 305318
Ion Ratio	Lower Upper
264	100
260	24.0 18.4 27.6
265	22.6 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: 5.294 ng m

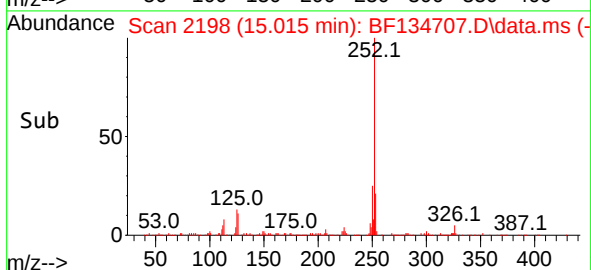
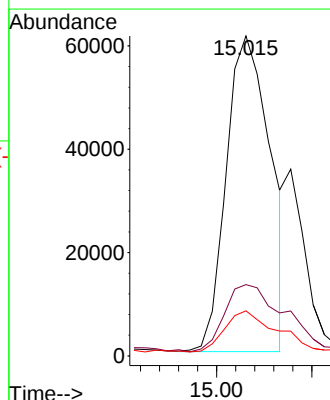
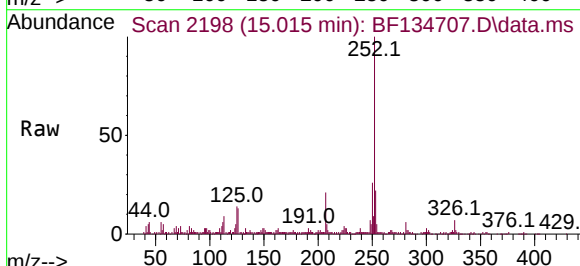
RT: 15.015 min Scan# 2198

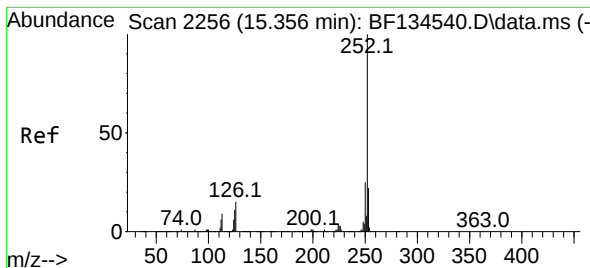
Delta R.T. 0.006 min

Lab File: BF134707.D

Acq: 10 Aug 2023 13:27

Tgt Ion:252	Resp: 98581
Ion Ratio	Lower Upper
252	100
253	22.3 17.3 25.9
125	14.1 6.0 9.0#





#90

Benzo(a)pyrene

Concen: 6.471 ng

RT: 15.380 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF134707.D

Acq: 10 Aug 2023 13:27

Instrument :

BNA_F

ClientSampleId :

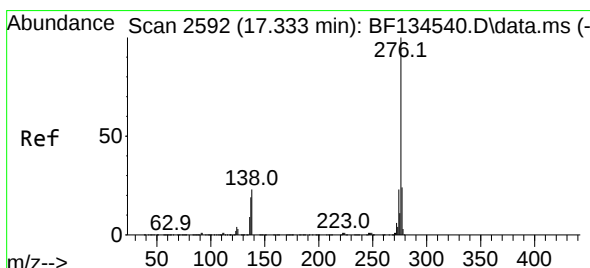
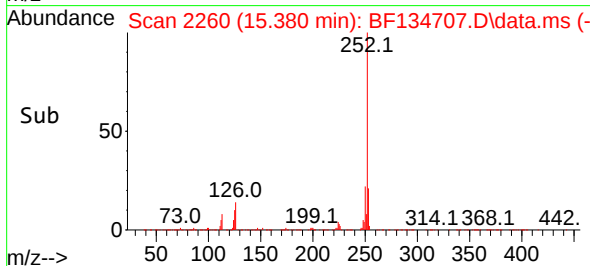
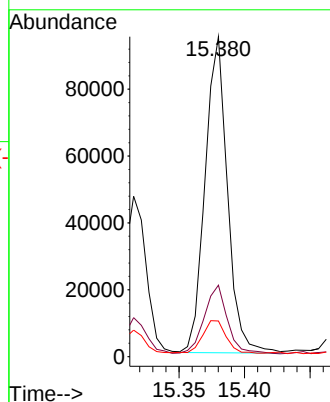
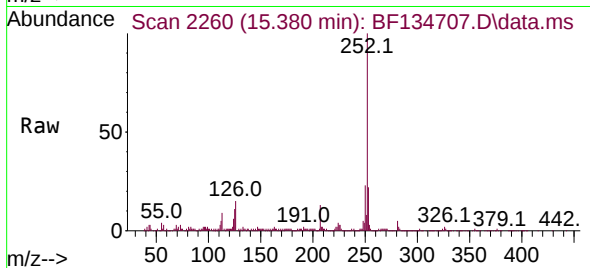
NEVINS-SB-01-Z18-20

Tgt Ion:252 Resp: 112349
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.0 25.4
 125 11.1 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: 2.154 ng

RT: 17.386 min Scan# 2601

Delta R.T. 0.012 min

Lab File: BF134707.D

Acq: 10 Aug 2023 13:27

Tgt Ion:276 Resp: 31879
 Ion Ratio Lower Upper
 276 100
 277 27.3 19.0 28.6
 138 28.3 12.2 18.2

