

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081423\
 Data File : BF134752.D
 Acq On : 14 Aug 2023 11:03
 Operator : CG\JU
 Sample : 03958-03 50X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB02-Z64-65

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/15/2023
 Supervised By :Sohil Jodhani 08/15/2023

Quant Time: Aug 14 11:29:36 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	6.799	152	146045	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	549314	20.000	ng	# 0.00
39) Acenaphthene-d10	9.834	164	232614	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	363127	20.000	ng	# 0.00
76) Chrysene-d12	13.969	240	277085	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	216395	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	11434	1.190	ng	0.00
7) Phenol-d6	6.428	99	13670	1.113	ng	-0.01
23) Nitrobenzene-d5	7.357	82	9969	1.134	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	2364	0.997	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	22080	1.578	ng	-0.01
79) Terphenyl-d14	12.916	244	20652	1.314	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.110	128	3393509	122.920	ng	97
37) 2-Methylnaphthalene	8.799	142	1159749	63.377	ng	100
38) 1-Methylnaphthalene	8.893	142	761302	44.739	ng	98
46) 1,1'-Biphenyl	9.257	154	178264	9.855	ng	99
49) Acenaphthylene	9.698	152	779416	36.583	ng	99
52) Acenaphthene	9.869	154	86777	6.285	ng	96
55) Dibenzofuran	10.040	168	46832	2.383	ng	# 85
58) Fluorene	10.381	166	310524	21.690	ng	95
71) Phenanthrene	11.351	178	1112256	57.666	ng	100
72) Anthracene	11.398	178	333739	16.940	ng	99
75) Fluoranthene	12.540	202	425133	20.866	ng	97
78) Pyrene	12.769	202	640159	26.699	ng	98
81) Benzo(a)anthracene	13.963	228	196335m	9.909	ng	
83) Chrysene	13.998	228	174537	9.042	ng	98
87) Indeno(1,2,3-cd)pyrene	16.927	276	28053	2.204	ng	# 94
88) Benzo(b)fluoranthene	15.016	252	86804m	6.577	ng	
90) Benzo(a)pyrene	15.380	252	95703	7.777	ng	# 95
92) Benzo(g,h,i)perylene	17.380	276	30163	2.875	ng	# 89

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

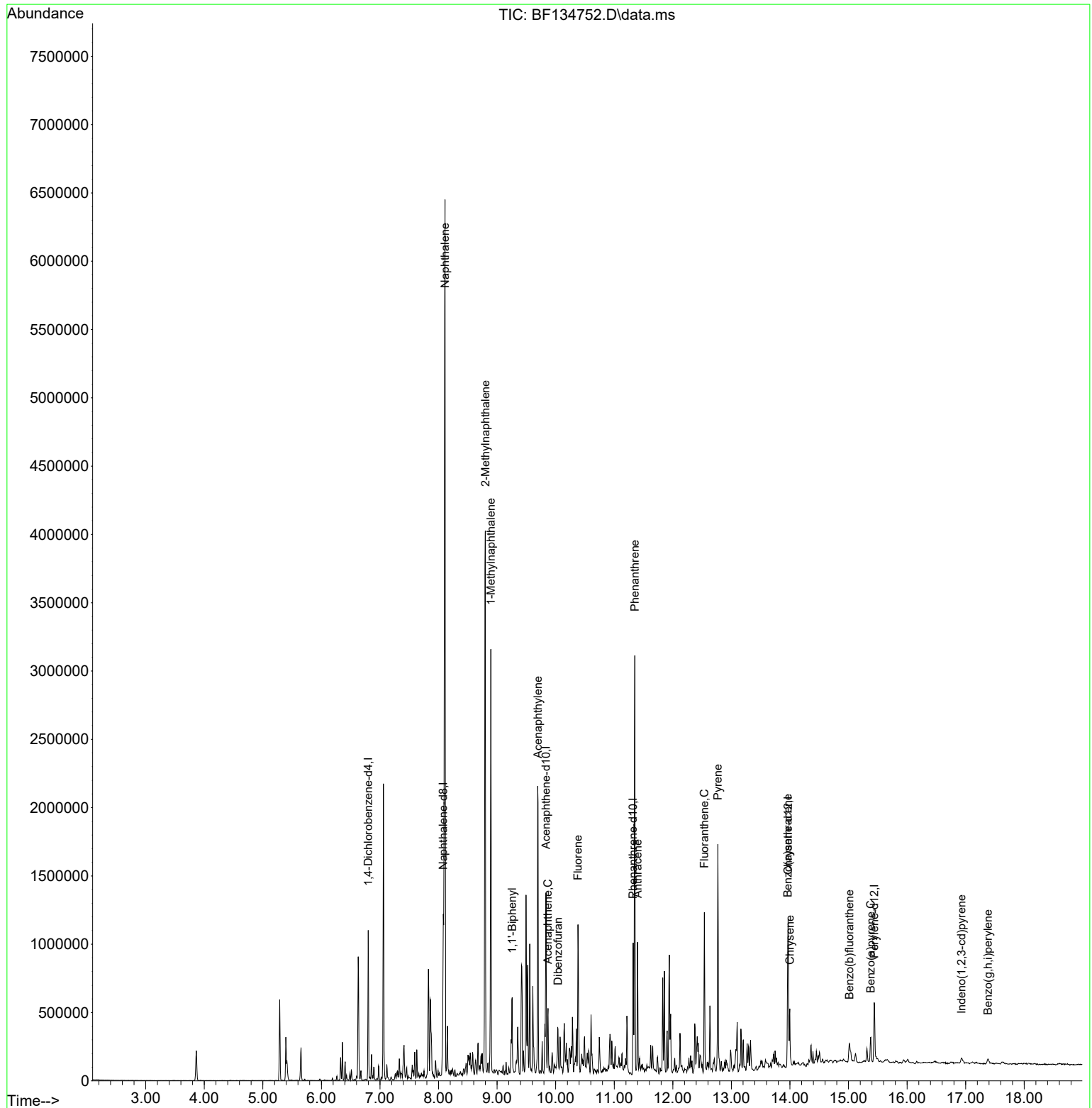
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081423\
Data File : BF134752.D
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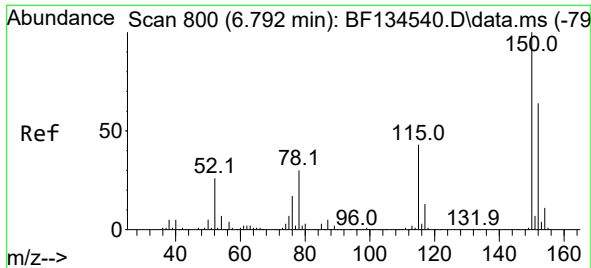
Instrument :
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Quant Time: Aug 14 11:29:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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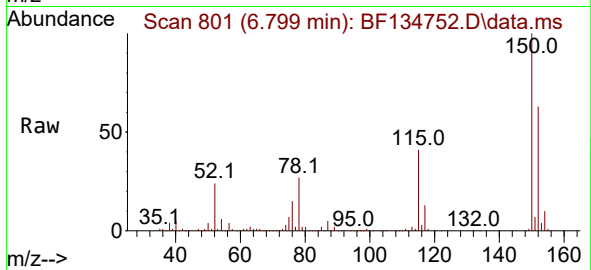
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.799 min Scan# 800
Delta R.T. 0.001 min
Lab File: BF134752.D
Acq: 14 Aug 2023 11:03

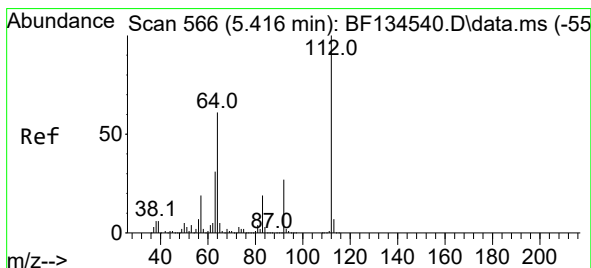
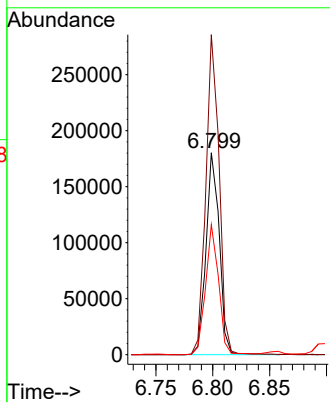
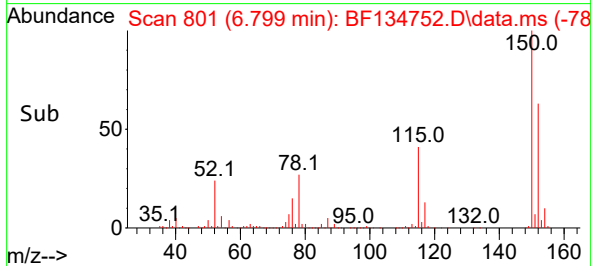
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z64-65



Tgt Ion:152 Resp: 146045
Ion Ratio Lower Upper
152 100
150 158.5 128.3 192.5
115 64.3 52.4 78.6

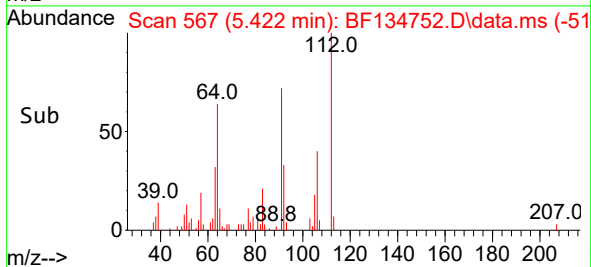
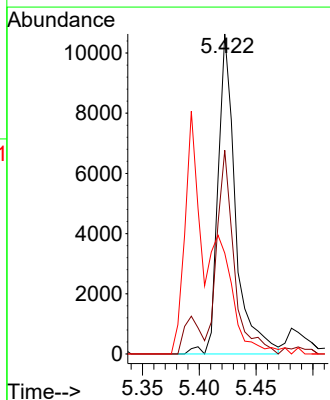
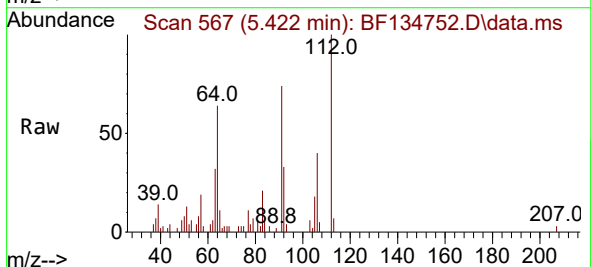
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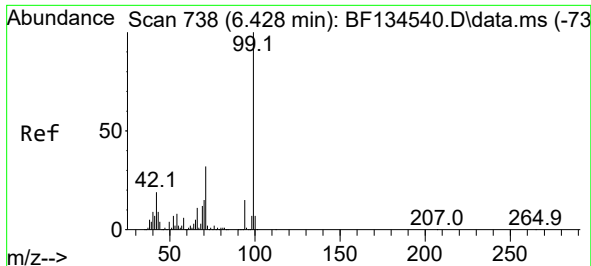
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#5
2-Fluorophenol
Concen: 1.190 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.005 min
Lab File: BF134752.D
Acq: 14 Aug 2023 11:03

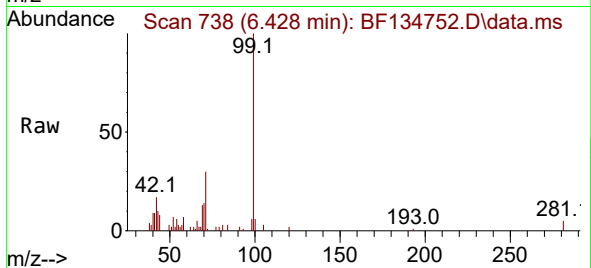
Tgt Ion:112 Resp: 11434
Ion Ratio Lower Upper
112 100
64 63.7 44.9 67.3
63 31.5 25.4 38.0





#7
Phenol-d6
Concen: 1.113 ng
RT: 6.428 min Scan# 738
Delta R.T. -0.011 min
Lab File: BF134752.D
Acq: 14 Aug 2023 11:03

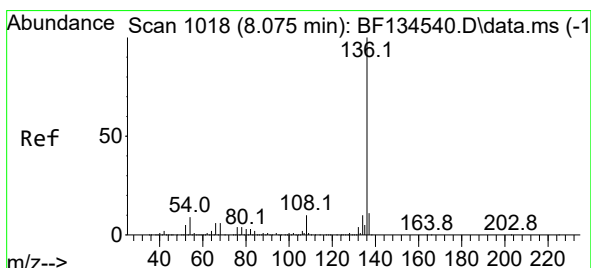
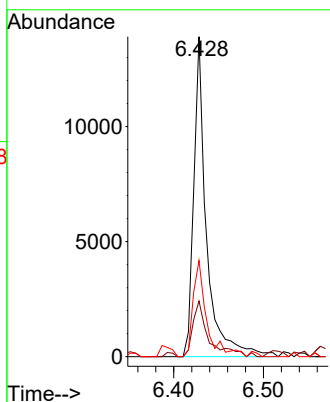
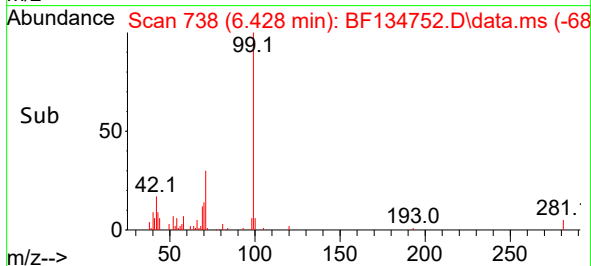
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z64-65



Tgt Ion: 99 Resp: 13670
Ion Ratio Lower Upper
99 100
42 17.4 18.7 28.1#
71 30.1 36.4 54.6#

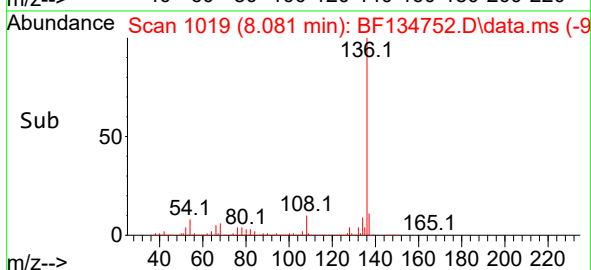
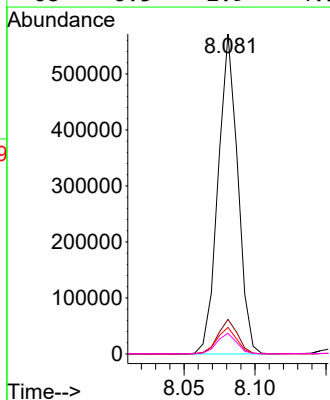
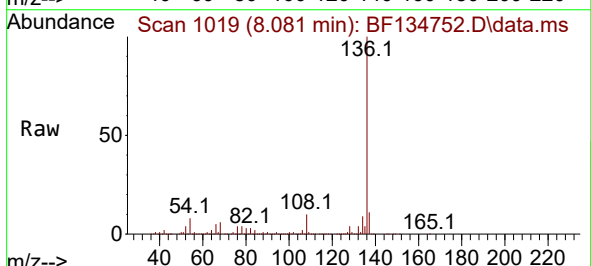
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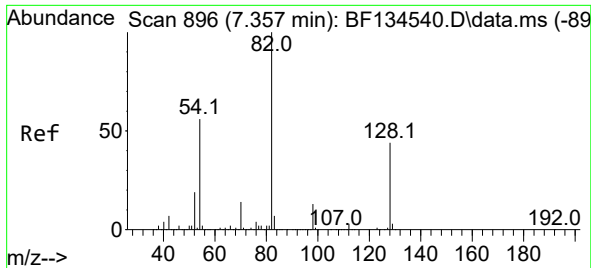
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF134752.D
Acq: 14 Aug 2023 11:03

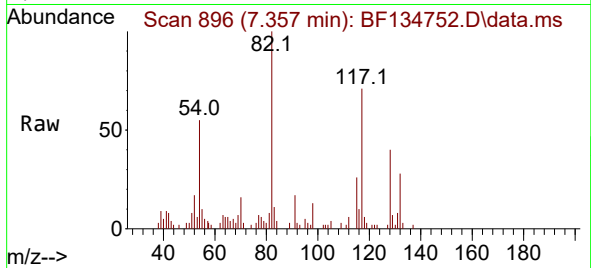
Tgt Ion:136 Resp: 549314
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 8.3 5.2 7.8#
68 6.5 2.9 4.3#





#23
Nitrobenzene-d5
Concen: 1.134 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.011 min
Lab File: BF134752.D
Acq: 14 Aug 2023 11:03

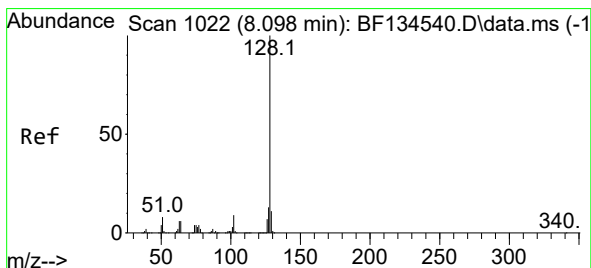
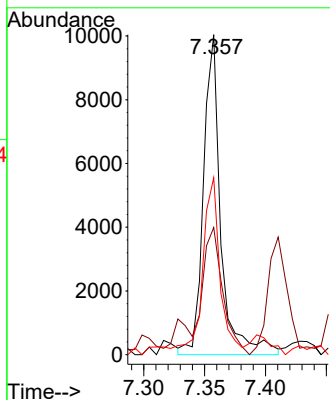
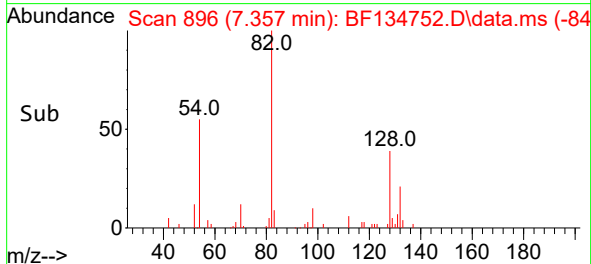
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z64-65



Tgt Ion: 82 Resp: 996
Ion Ratio Lower Upper
82 100
128 39.7 34.3 51.5
54 55.3 43.8 65.6

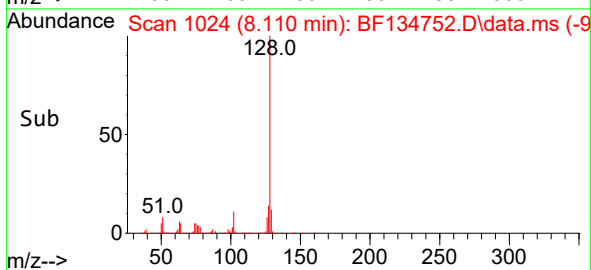
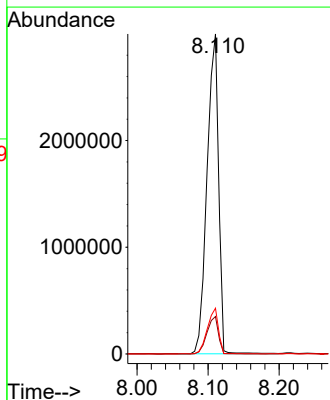
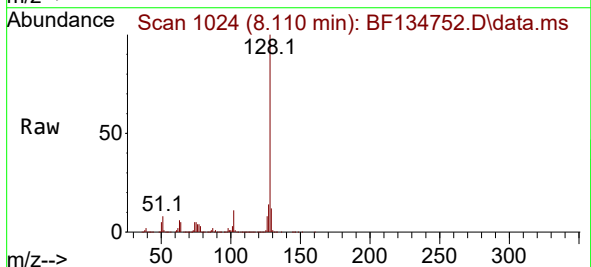
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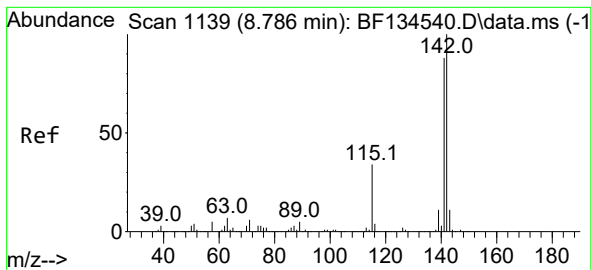
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#31
Naphthalene
Concen: 122.920 ng
RT: 8.110 min Scan# 1024
Delta R.T. 0.006 min
Lab File: BF134752.D
Acq: 14 Aug 2023 11:03

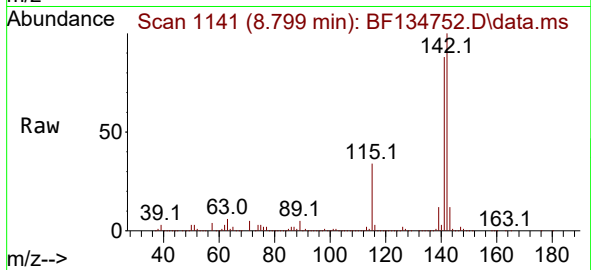
Tgt Ion:128 Resp: 3393509
Ion Ratio Lower Upper
128 100
129 11.7 8.4 12.6
127 14.3 10.7 16.1





#37
2-Methylnaphthalene
Concen: 63.377 ng
RT: 8.799 min Scan# 1139
Delta R.T. 0.006 min
Lab File: BF134752.D
Acq: 14 Aug 2023 11:03

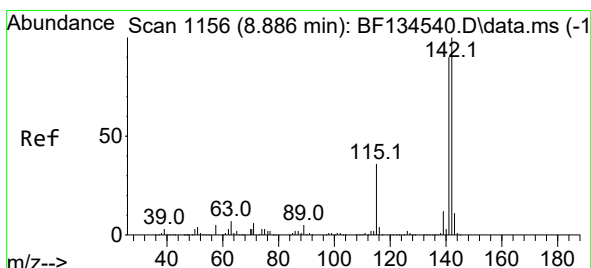
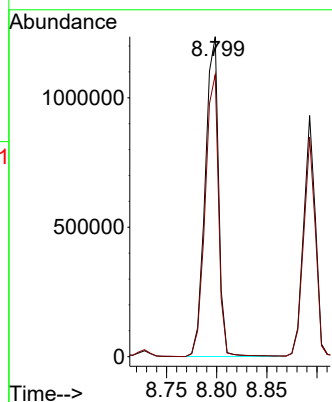
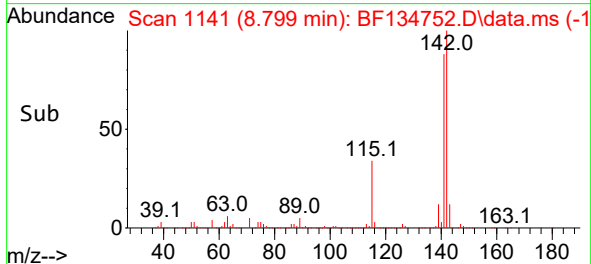
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z64-65



Tgt Ion:142 Resp: 1159749
Ion Ratio Lower Upper
142 100
141 88.2 70.8 106.2

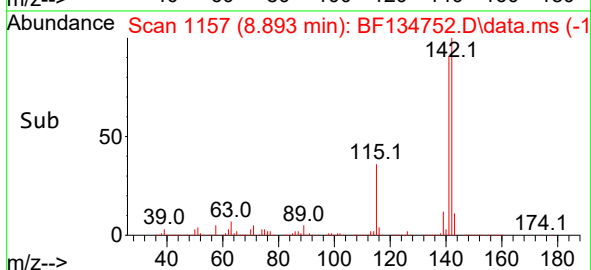
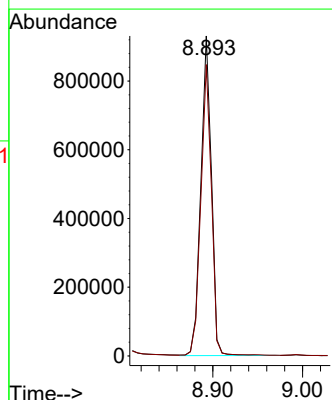
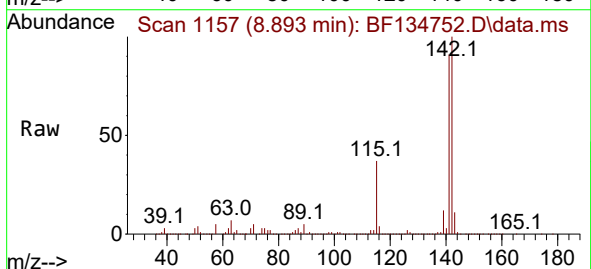
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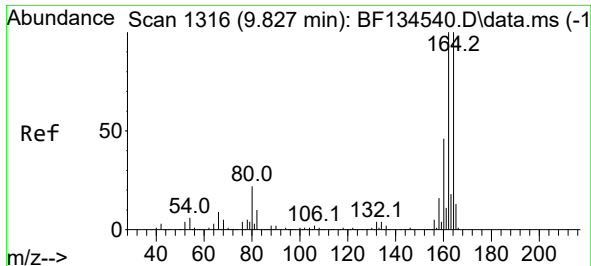
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#38
1-Methylnaphthalene
Concen: 44.739 ng
RT: 8.893 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BF134752.D
Acq: 14 Aug 2023 11:03

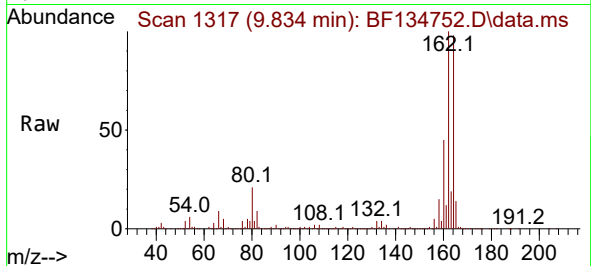
Tgt Ion:142 Resp: 761302
Ion Ratio Lower Upper
142 100
141 91.0 71.4 107.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134752.D
Acq: 14 Aug 2023 11:03

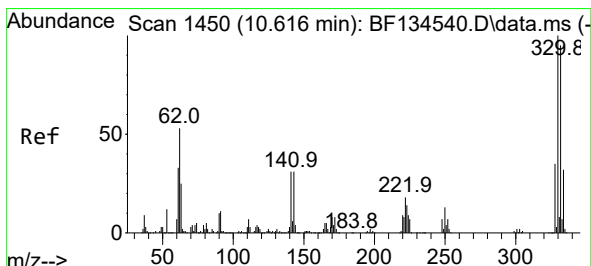
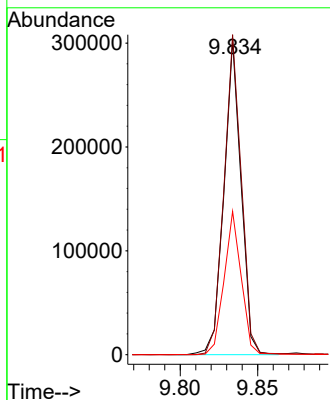
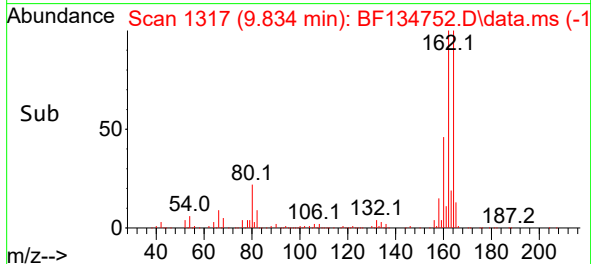
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z64-65



Tgt Ion:164 Resp: 232614
Ion Ratio Lower Upper
164 100
162 101.6 82.6 123.8
160 45.5 37.2 55.8

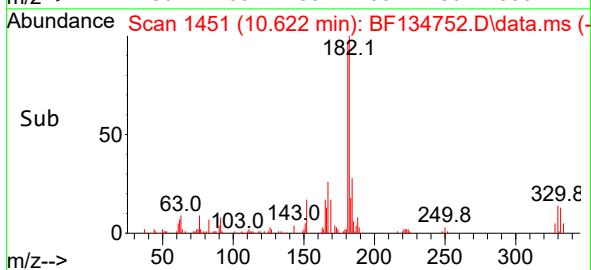
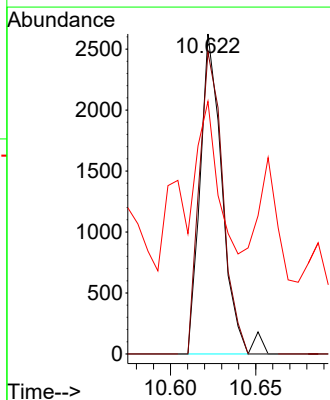
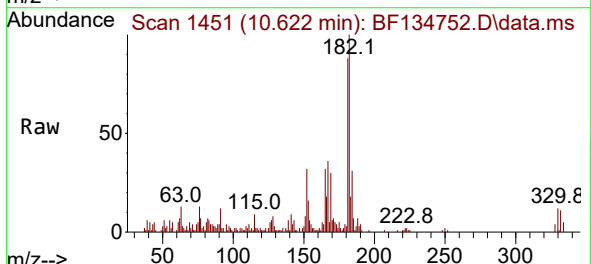
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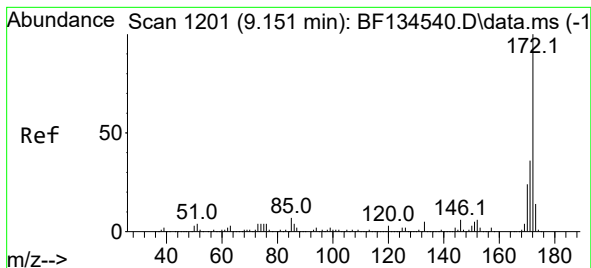
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#42
2,4,6-Tribromophenol
Concen: 0.997 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.005 min
Lab File: BF134752.D
Acq: 14 Aug 2023 11:03

Tgt Ion:330 Resp: 2364
Ion Ratio Lower Upper
330 100
332 100.4 78.8 118.2
141 78.0 25.4 38.2#





#45

2-Fluorobiphenyl

Concen: 1.578 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.011 min

Lab File: BF134752.D

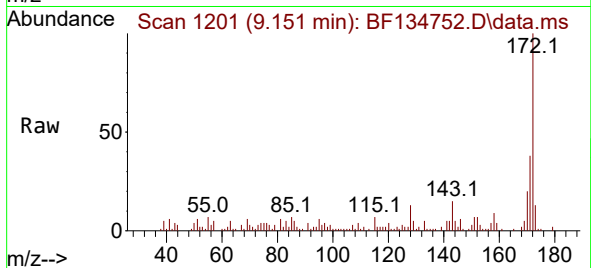
Acq: 14 Aug 2023 11:03

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB02-Z64-65



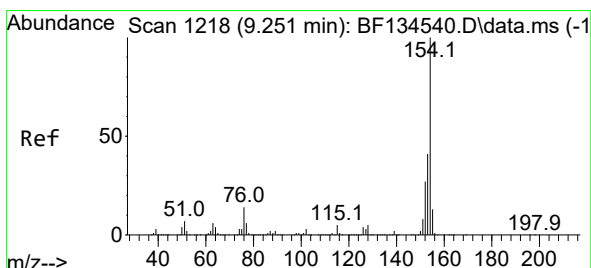
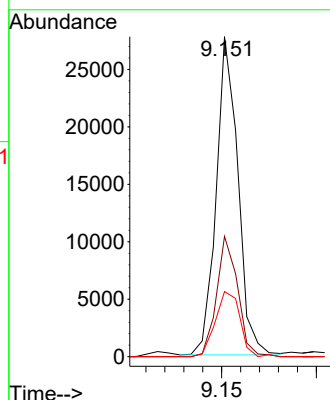
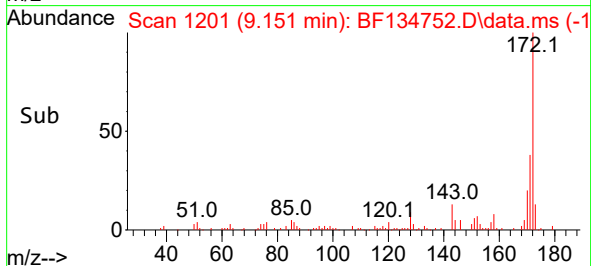
Tgt Ion:	172	Resp:	22080
Ion Ratio	Lower	Upper	
172	100		
171	37.6	28.8	43.2
170	20.4	18.7	28.1

Manual Integrations

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Supervised By :Sohil Jodhani 08/15/2023



#46

1,1'-Biphenyl

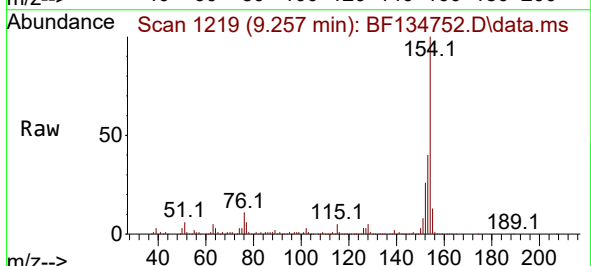
Concen: 9.855 ng

RT: 9.257 min Scan# 1219

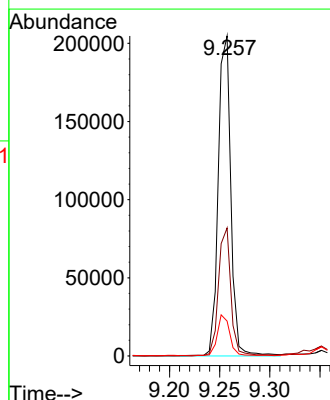
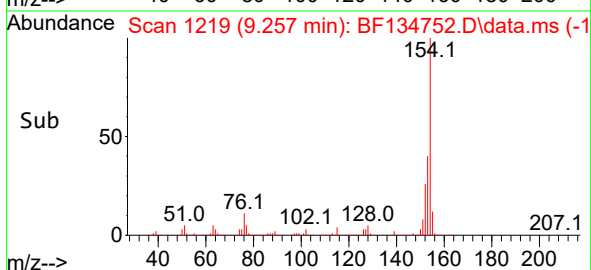
Delta R.T. -0.005 min

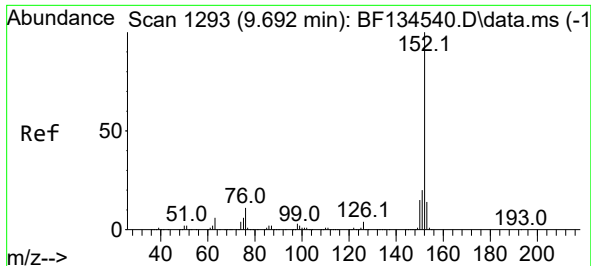
Lab File: BF134752.D

Acq: 14 Aug 2023 11:03



Tgt Ion:	154	Resp:	178264
Ion Ratio	Lower	Upper	
154	100		
153	40.0	20.8	60.8
76	10.9	0.0	30.2





#49

Acenaphthylene

Concen: 36.583 ng

RT: 9.698 min Scan# 1293

Delta R.T. 0.000 min

Lab File: BF134752.D

Acq: 14 Aug 2023 11:03

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB02-Z64-65

Tgt Ion:152 Resp: 779410

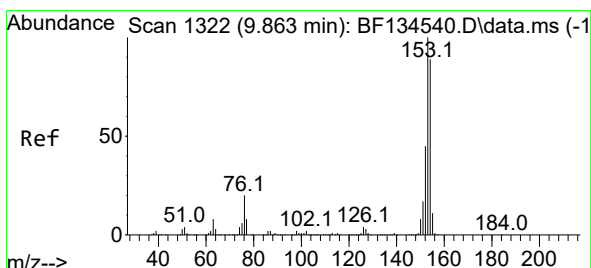
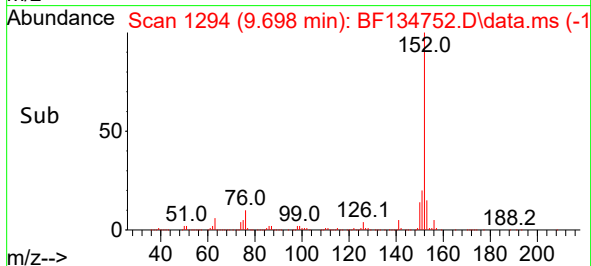
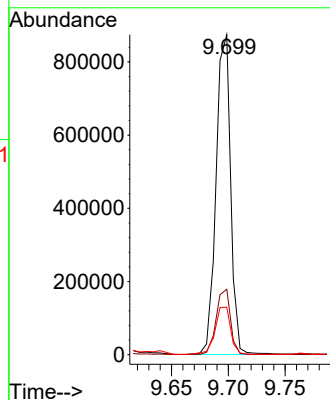
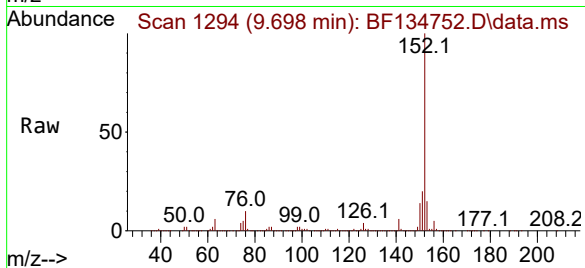
Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.4	24.6
153	14.9	10.9	16.3

Manual Integrations

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Supervised By :Sohil Jodhani 08/15/2023



#52

Acenaphthene

Concen: 6.285 ng

RT: 9.869 min Scan# 1323

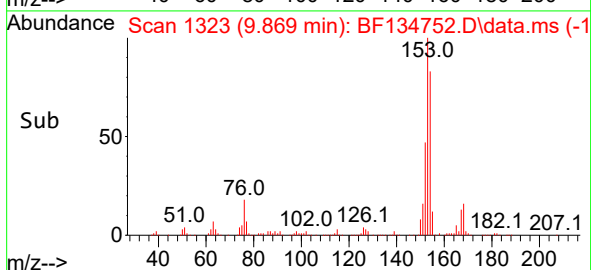
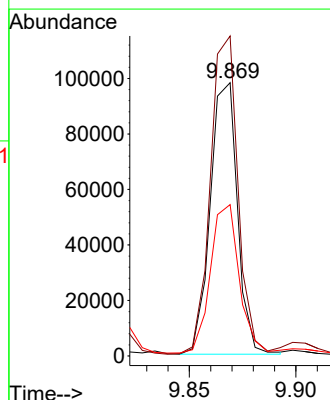
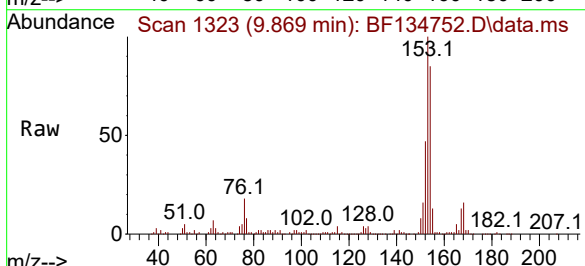
Delta R.T. -0.005 min

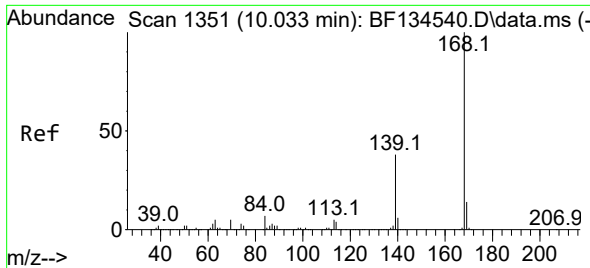
Lab File: BF134752.D

Acq: 14 Aug 2023 11:03

Tgt Ion:154 Resp: 86777

Ion	Ratio	Lower	Upper
154	100		
153	117.1	90.0	135.0
152	55.4	42.4	63.6





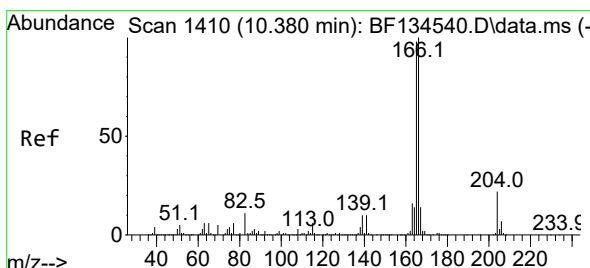
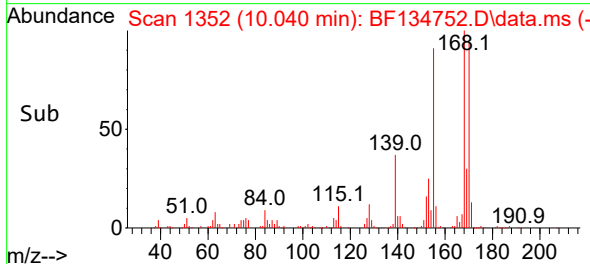
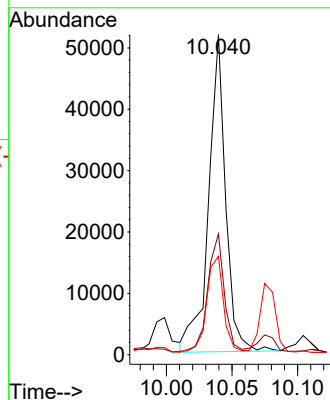
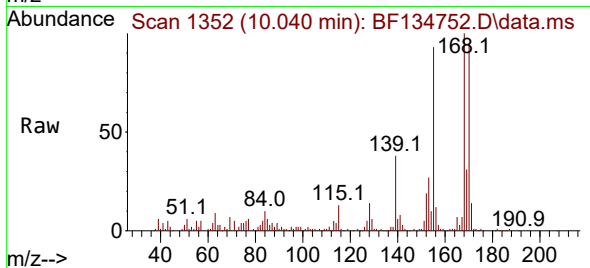
#55
Dibenzofuran
Concen: 2.383 ng
RT: 10.040 min Scan# 1351
Delta R.T. -0.005 min
Lab File: BF134752.D
Acq: 14 Aug 2023 11:03

Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z64-65

Tgt Ion:168 Resp: 46832
Ion Ratio Lower Upper
168 100
139 37.8 33.4 50.2
169 30.8 10.6 15.8

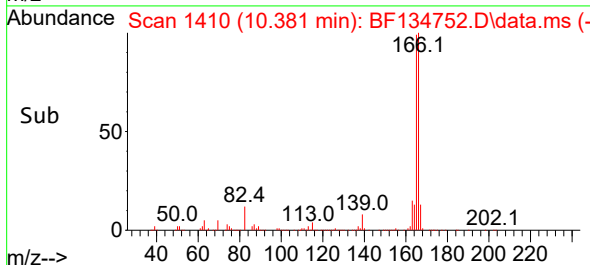
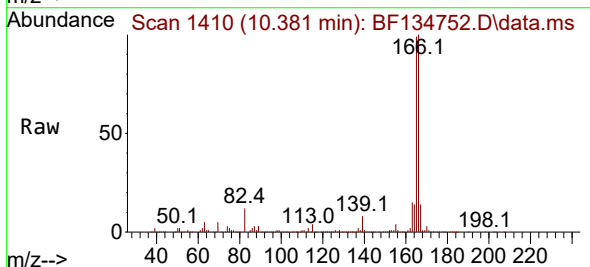
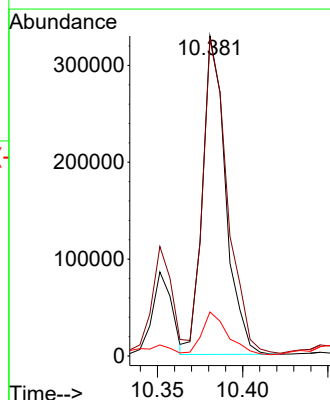
Manual Integrations
APPROVED

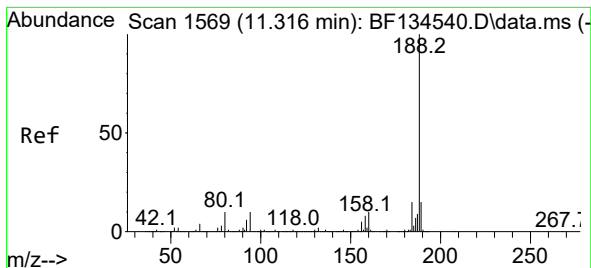
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#58
Fluorene
Concen: 21.690 ng
RT: 10.381 min Scan# 1410
Delta R.T. -0.005 min
Lab File: BF134752.D
Acq: 14 Aug 2023 11:03

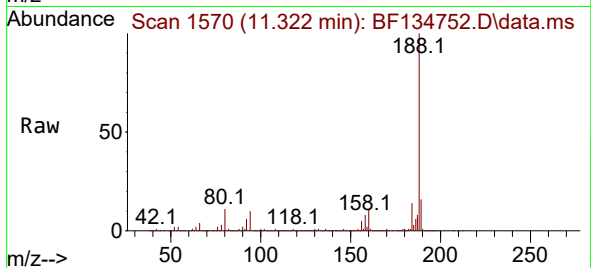
Tgt Ion:166 Resp: 310524
Ion Ratio Lower Upper
166 100
165 99.0 74.5 111.7
167 13.7 10.6 16.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF134752.D
Acq: 14 Aug 2023 11:03

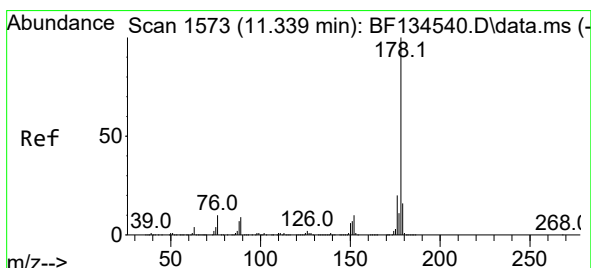
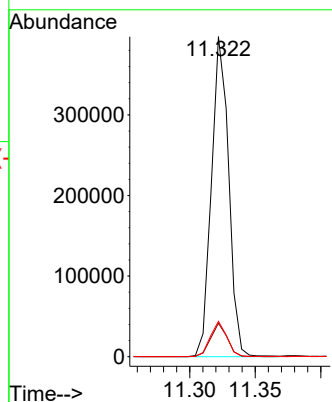
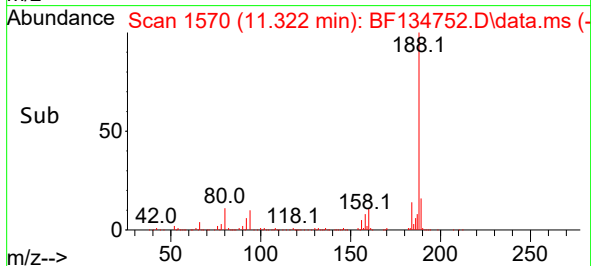
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z64-65



Tgt Ion:188 Resp: 363127
Ion Ratio Lower Upper
188 100
94 10.4 5.1 7.7
80 11.1 6.6 9.8

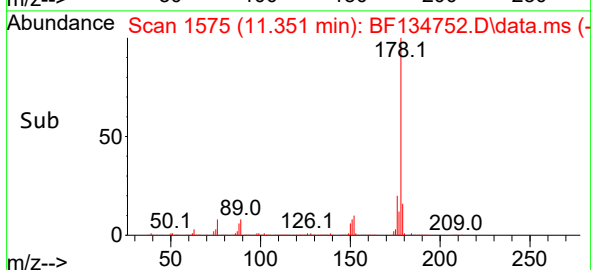
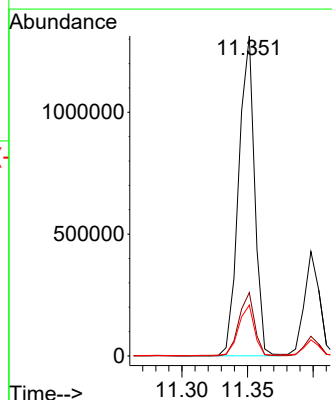
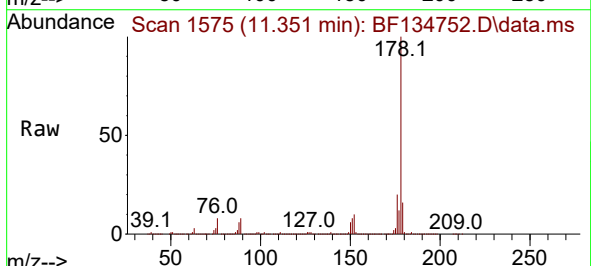
Manual Integrations
APPROVED

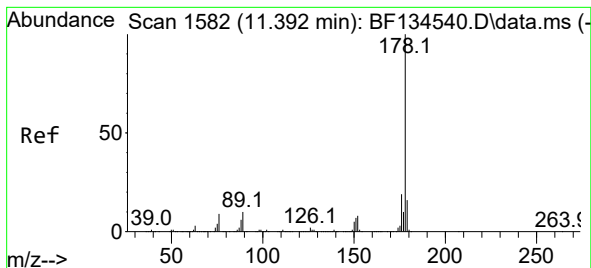
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#71
Phenanthrene
Concen: 57.666 ng
RT: 11.351 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BF134752.D
Acq: 14 Aug 2023 11:03

Tgt Ion:178 Resp: 1112256
Ion Ratio Lower Upper
178 100
176 19.8 15.8 23.6
179 15.9 12.7 19.1





#72

Anthracene

Concen: 16.940 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.005 min

Lab File: BF134752.D

Acq: 14 Aug 2023 11:03

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB02-Z64-65

Tgt Ion:178 Resp: 333739

Ion Ratio Lower Upper

178 100

176 18.9 14.6 21.8

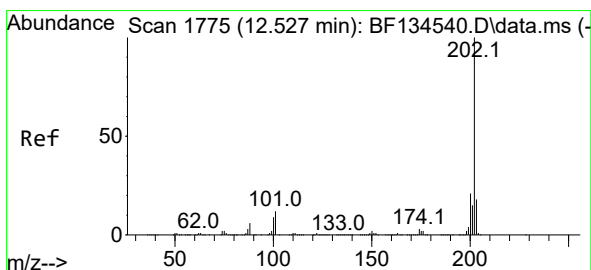
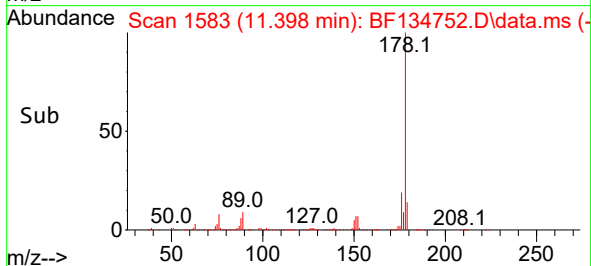
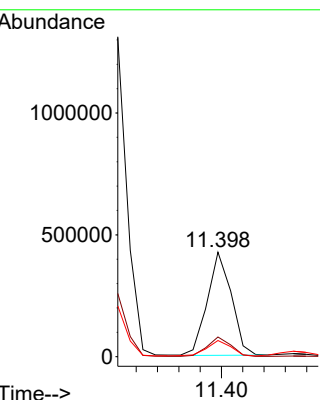
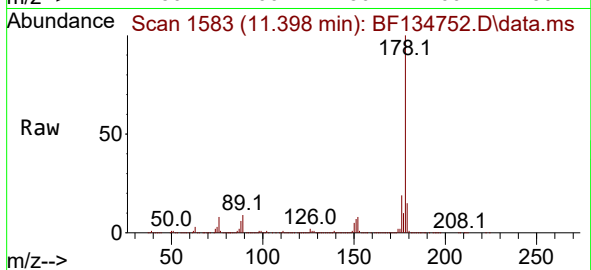
179 15.4 12.3 18.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/15/2023

Supervised By :Sohil Jodhani 08/15/2023



#75

Fluoranthene

Concen: 20.866 ng

RT: 12.540 min Scan# 1777

Delta R.T. 0.000 min

Lab File: BF134752.D

Acq: 14 Aug 2023 11:03

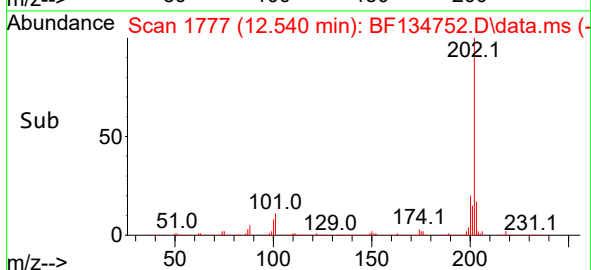
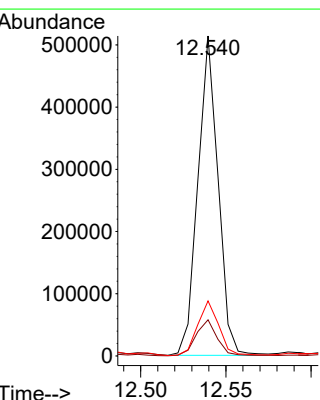
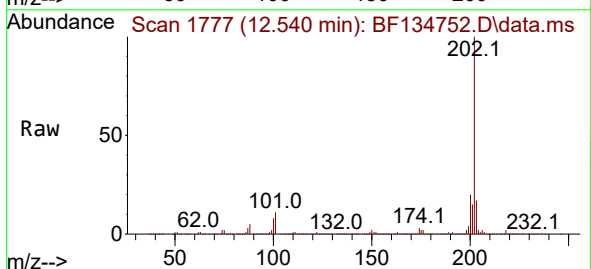
Tgt Ion:202 Resp: 425133

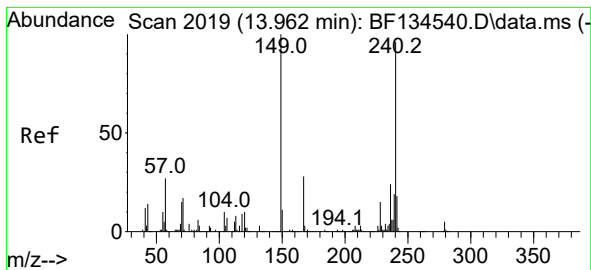
Ion Ratio Lower Upper

202 100

101 11.3 0.0 28.5

203 17.2 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.969 min Scan# 2019

Delta R.T. -0.005 min

Lab File: BF134752.D

Acq: 14 Aug 2023 11:03

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB02-Z64-65

Tgt Ion:240 Resp: 277085

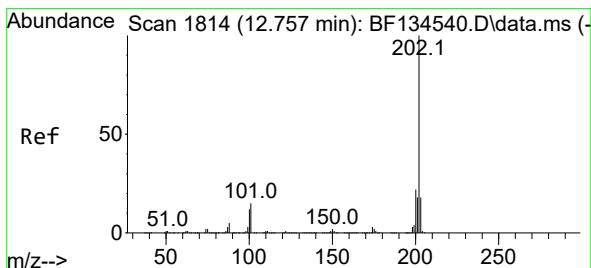
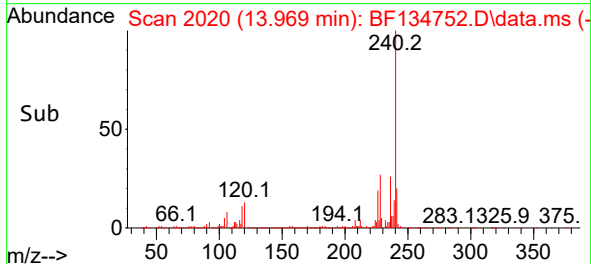
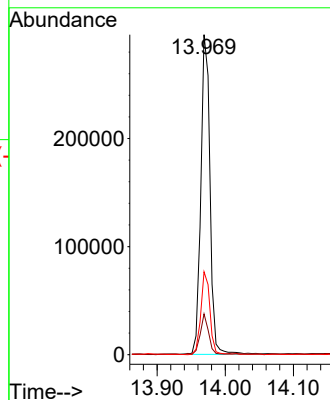
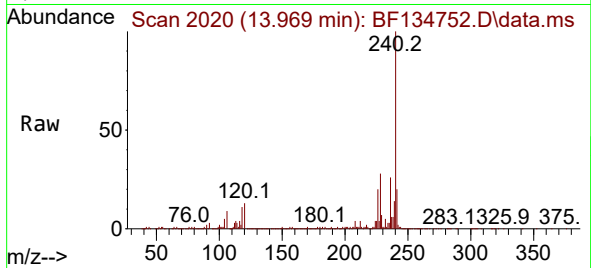
Ion	Ratio	Lower	Upper
240	100		
120	12.8	6.6	10.0
236	25.9	20.2	30.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/15/2023

Supervised By :Sohil Jodhani 08/15/2023



#78

Pyrene

Concen: 26.699 ng

RT: 12.769 min Scan# 1816

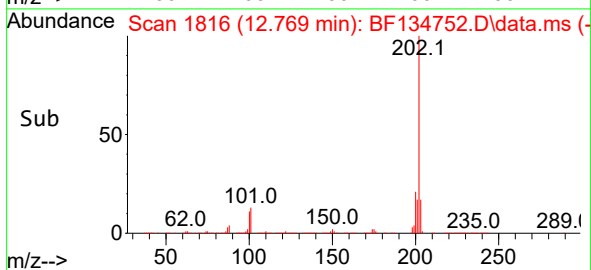
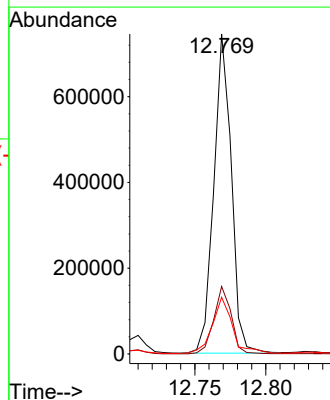
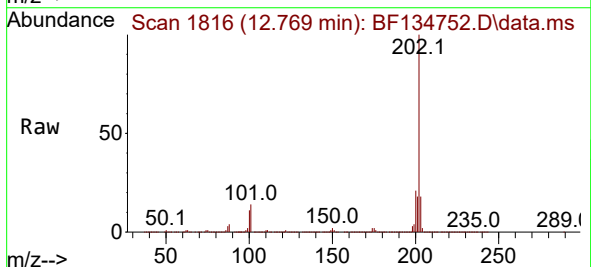
Delta R.T. 0.000 min

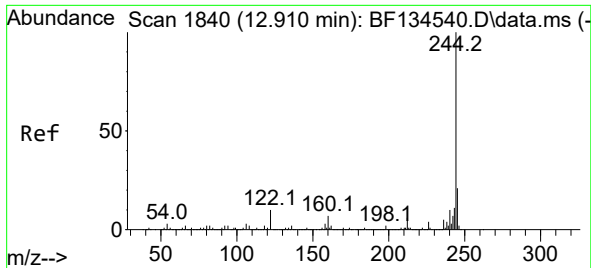
Lab File: BF134752.D

Acq: 14 Aug 2023 11:03

Tgt Ion:202 Resp: 640159

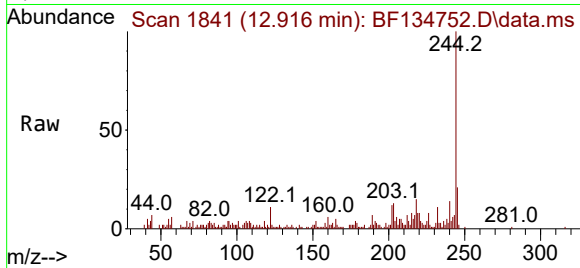
Ion	Ratio	Lower	Upper
202	100		
200	21.1	15.8	23.8
203	17.7	13.5	20.3





#79
Terphenyl-d14
Concen: 1.314 ng
RT: 12.916 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF134752.D
Acq: 14 Aug 2023 11:03

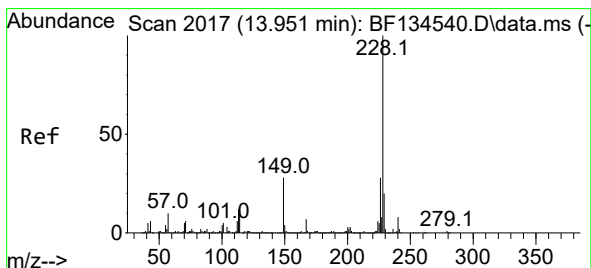
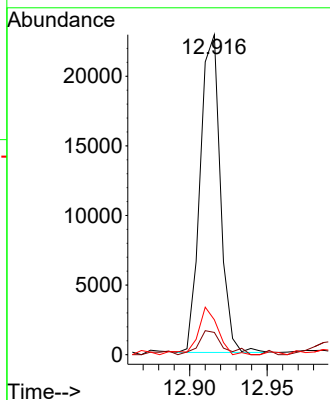
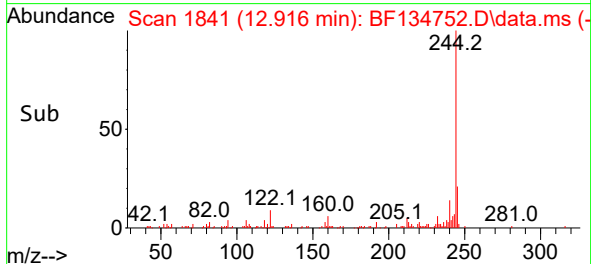
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z64-65



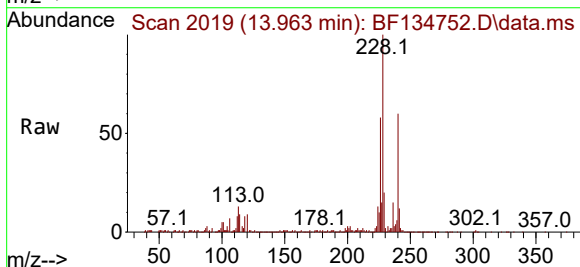
Tgt Ion:244 Resp: 20652
Ion Ratio Lower Upper
244 100
212 6.9 5.6 8.4
122 10.9 8.0 12.0

Manual Integrations
APPROVED

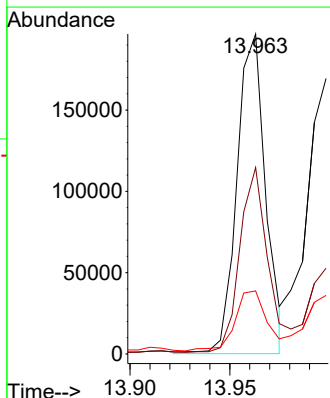
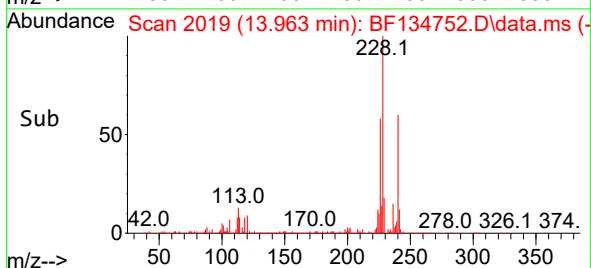
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

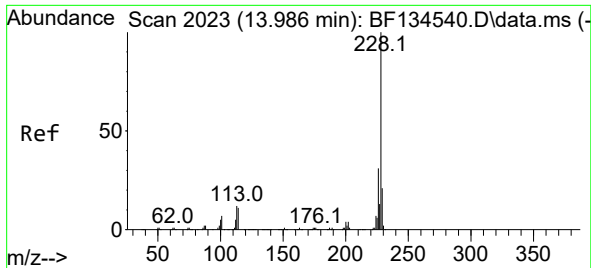


#81
Benzo(a)anthracene
Concen: 9.909 ng m
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF134752.D
Acq: 14 Aug 2023 11:03



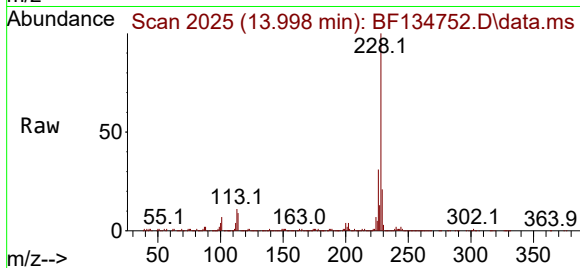
Tgt Ion:228 Resp: 196335
Ion Ratio Lower Upper
228 100
226 58.2 22.3 33.5#
229 19.7 15.8 23.6





#83
Chrysene
Concen: 9.042 ng
RT: 13.998 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF134752.D
Acq: 14 Aug 2023 11:03

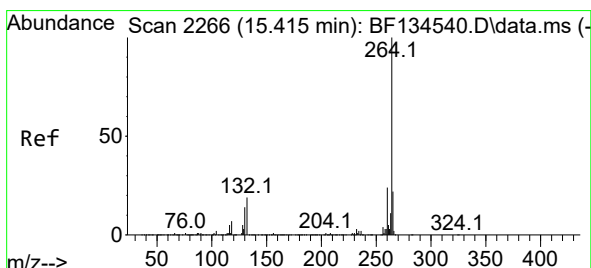
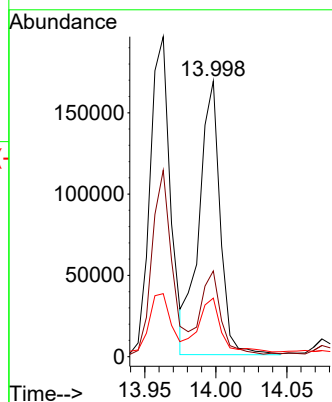
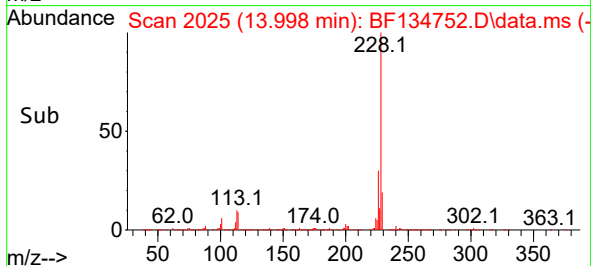
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z64-65



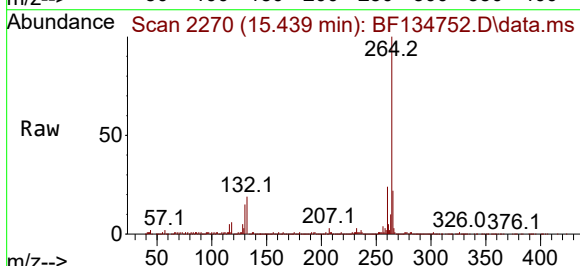
Tgt Ion:228 Resp: 17453
Ion Ratio Lower Upper
228 100
226 31.1 24.5 36.7
229 21.3 15.8 23.8

Manual Integrations
APPROVED

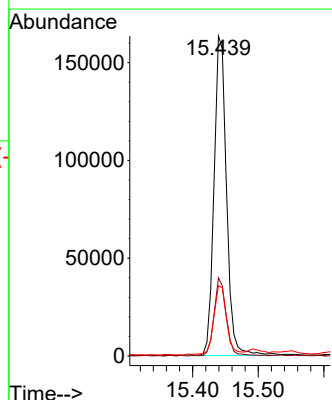
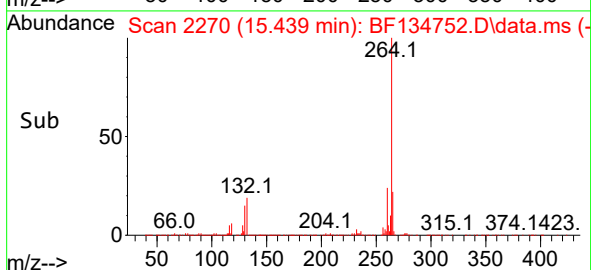
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

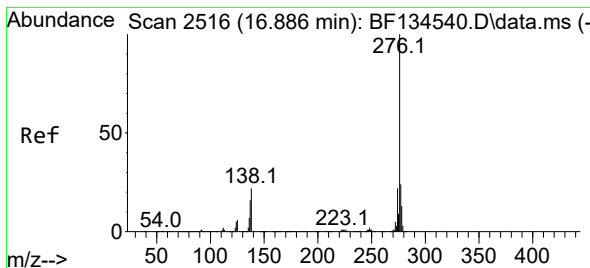


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF134752.D
Acq: 14 Aug 2023 11:03



Tgt Ion:264 Resp: 216395
Ion Ratio Lower Upper
264 100
260 24.4 18.4 27.6
265 22.0 15.8 23.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.204 ng

RT: 16.927 min Scan# 2198

Delta R.T. 0.000 min

Lab File: BF134752.D

Acq: 14 Aug 2023 11:03

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB02-Z64-65

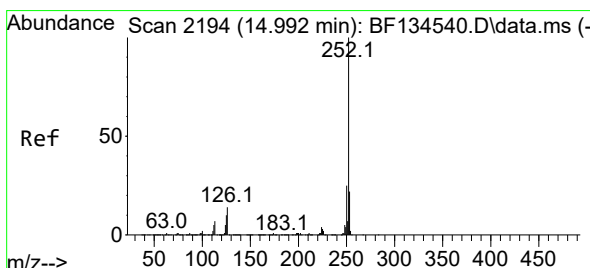
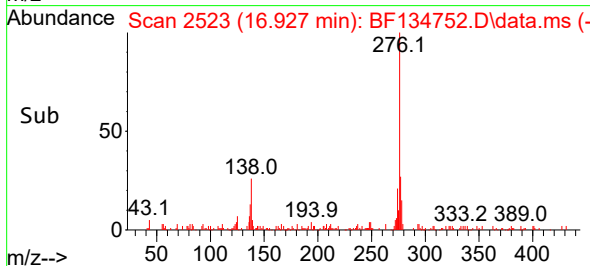
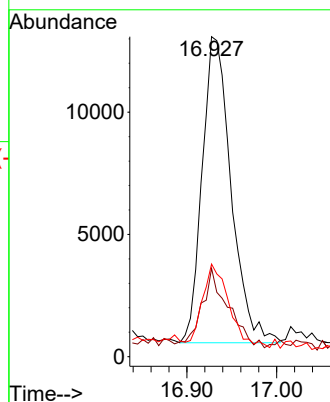
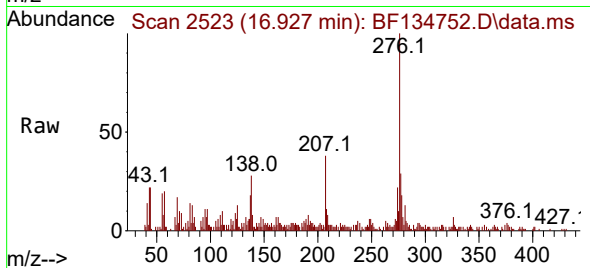
Tgt Ion:	276	Resp:	2805
Ion Ratio	Lower	Upper	
276	100		
138	23.9	14.2	21.4
277	25.2	19.9	29.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/15/2023

Supervised By :Sohil Jodhani 08/15/2023



#88

Benzo(b)fluoranthene

Concen: 6.577 ng m

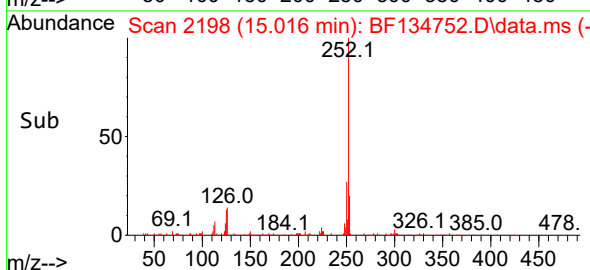
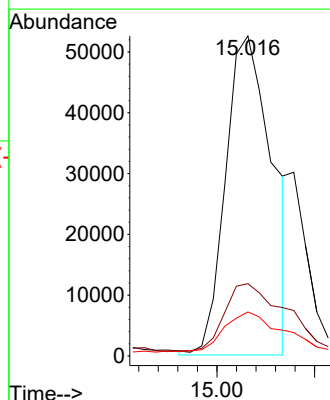
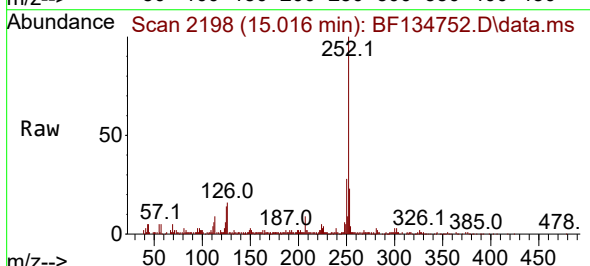
RT: 15.016 min Scan# 2198

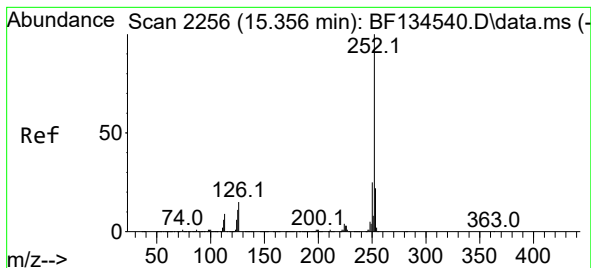
Delta R.T. 0.006 min

Lab File: BF134752.D

Acq: 14 Aug 2023 11:03

Tgt Ion:	252	Resp:	86804
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.3	25.9
125	13.7	6.0	9.0





#90

Benzo(a)pyrene

Concen: 7.777 ng

RT: 15.380 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF134752.D

Acq: 14 Aug 2023 11:03

Instrument :

BNA_F

ClientSampleId :

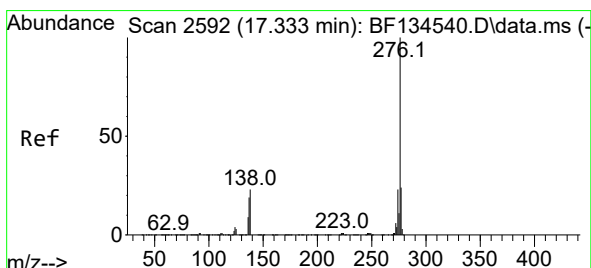
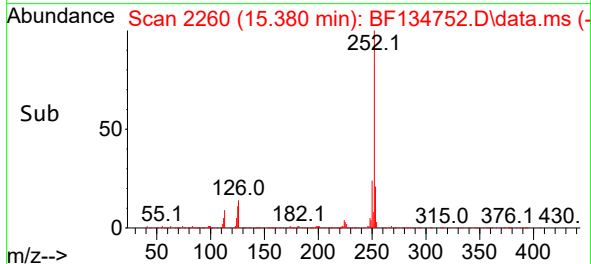
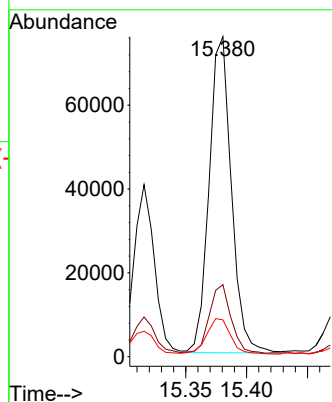
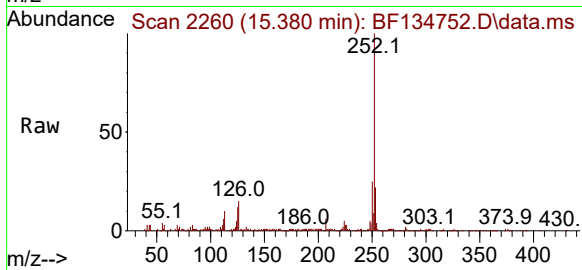
NEVINS-SB02-Z64-65

Tgt Ion:252 Resp: 95700
 Ion Ratio Lower Upper
 252 100
 253 22.5 17.0 25.4
 125 11.5 6.2 9.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/15/2023
 Supervised By :Sohil Jodhani 08/15/2023



#92

Benzo(g,h,i)perylene

Concen: 2.875 ng

RT: 17.380 min Scan# 2600

Delta R.T. 0.006 min

Lab File: BF134752.D

Acq: 14 Aug 2023 11:03

Tgt Ion:276 Resp: 30163
 Ion Ratio Lower Upper
 276 100
 277 23.6 19.0 28.6
 138 27.1 12.2 18.2

