

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081423\
 Data File : BF134768.D
 Acq On : 14 Aug 2023 19:50
 Operator : CG\JU
 Sample : 03975-03 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB03-Z46-47

Quant Time: Aug 15 00:34:04 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 08/15/2023
 Supervised By :Sohil Jodhani 08/15/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	132439	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	493339	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	232364	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	396028	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	250005	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	268523	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	66241	7.603	ng	-0.01
7) Phenol-d6	6.422	99	76876	6.903	ng	-0.02
23) Nitrobenzene-d5	7.351	82	43880	5.558	ng	-0.02
42) 2,4,6-Tribromophenol	10.622	330	16208	6.842	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	90378	6.467	ng	-0.01
79) Terphenyl-d14	12.910	244	80886	5.704	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.104	128	2384809	96.184	ng	98
37) 2-Methylnaphthalene	8.792	142	289212	17.598	ng	99
38) 1-Methylnaphthalene	8.886	142	317728	20.790	ng	97
46) 1,1'-Biphenyl	9.251	154	85158	4.713	ng	97
49) Acenaphthylene	9.692	152	57940	2.722	ng	# 90
52) Acenaphthene	9.863	154	353446	25.627	ng	98
58) Fluorene	10.380	166	199812	13.972	ng	96
71) Phenanthrene	11.345	178	856029	40.695	ng	99
72) Anthracene	11.398	178	255951	11.912	ng	100
75) Fluoranthene	12.539	202	305340	13.742	ng	98
78) Pyrene	12.769	202	433545	20.041	ng	97
81) Benzo(a)anthracene	13.957	228	152429m	8.527	ng	
83) Chrysene	13.998	228	135072	7.755	ng	98
87) Indeno(1,2,3-cd)pyrene	16.927	276	31661	2.005	ng	# 91
88) Benzo(b)fluoranthene	15.015	252	81574m	4.981	ng	
90) Benzo(a)pyrene	15.374	252	102554	6.716	ng	# 93
92) Benzo(g,h,i)perylene	17.380	276	33110	2.543	ng	# 86

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

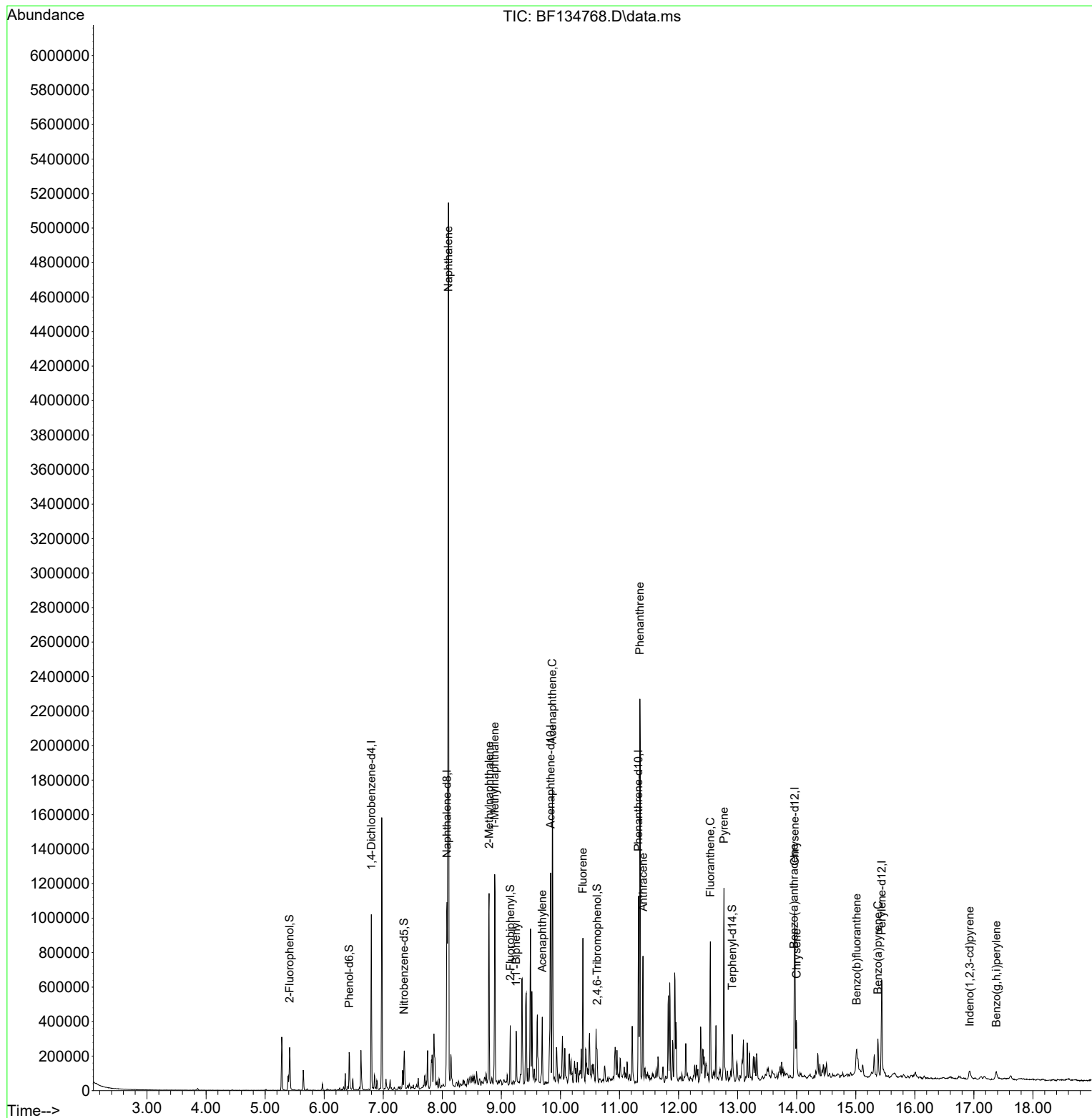
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081423\
Data File : BF134768.D
Acq On : 14 Aug 2023 19:50
Operator : CG\JU
Sample : 03975-03 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

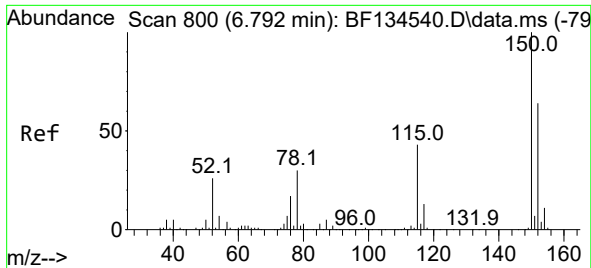
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z46-47

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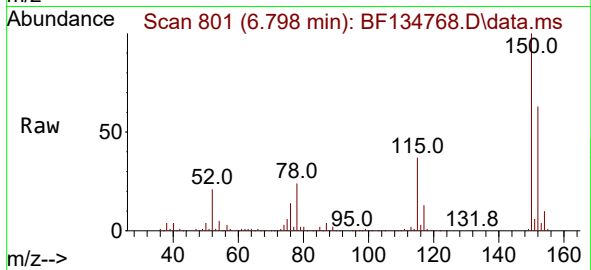
Quant Time: Aug 15 00:34:04 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 09:29:15 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134768.D
Acq: 14 Aug 2023 19:50

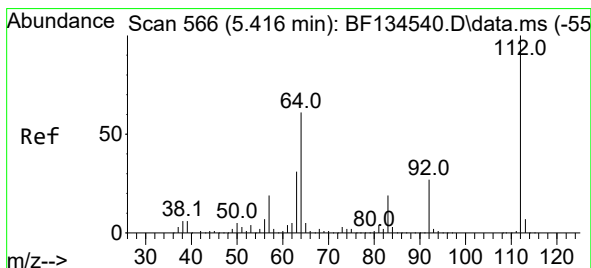
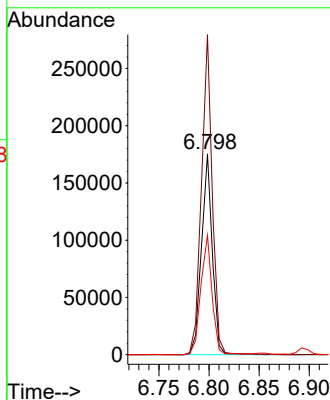
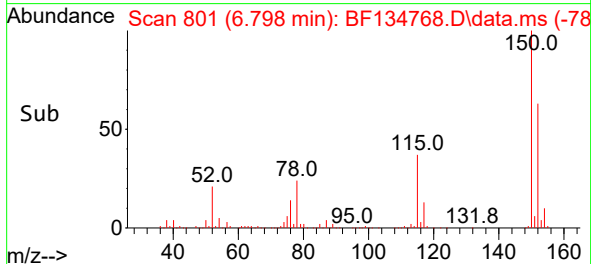
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z46-47



Tgt Ion:152 Resp: 132439
Ion Ratio Lower Upper
152 100
150 159.4 128.3 192.5
115 59.5 52.4 78.6

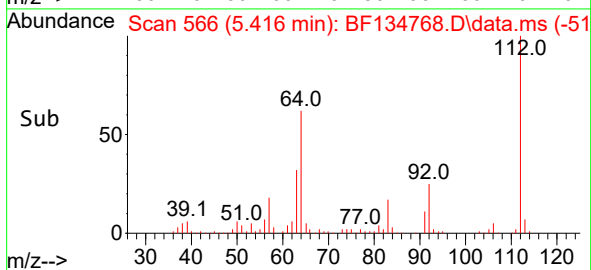
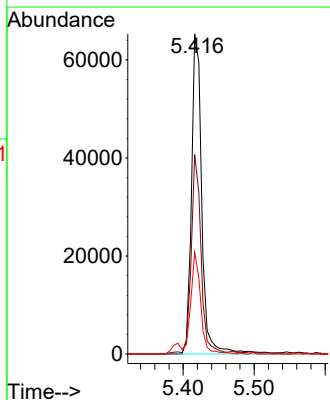
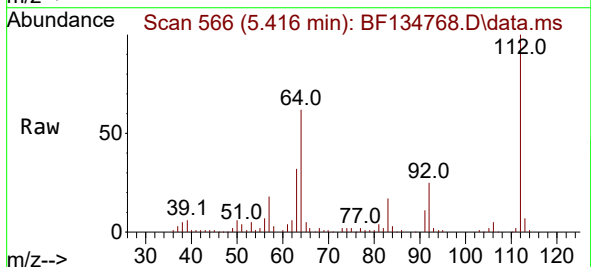
Manual Integrations
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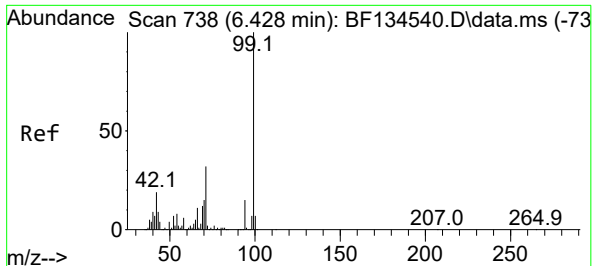
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#5
2-Fluorophenol
Concen: 7.603 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.012 min
Lab File: BF134768.D
Acq: 14 Aug 2023 19:50

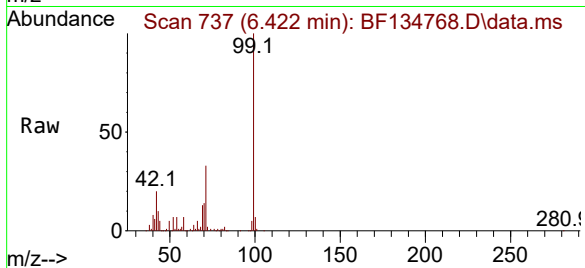
Tgt Ion:112 Resp: 66241
Ion Ratio Lower Upper
112 100
64 62.4 44.9 67.3
63 31.8 25.4 38.0





#7
Phenol-d6
Concen: 6.903 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF134768.D
Acq: 14 Aug 2023 19:50

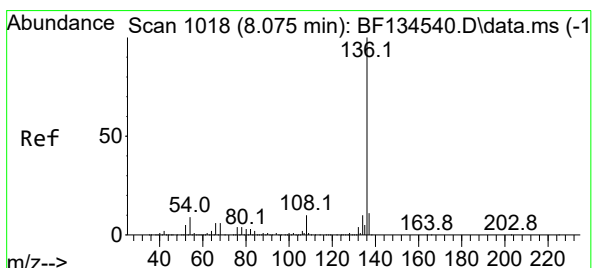
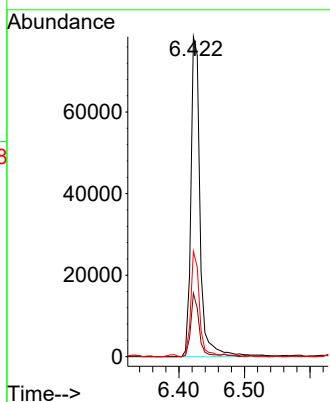
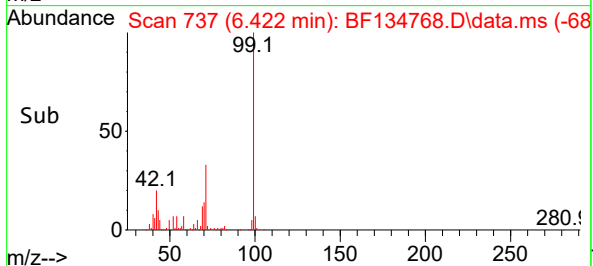
Instrument :
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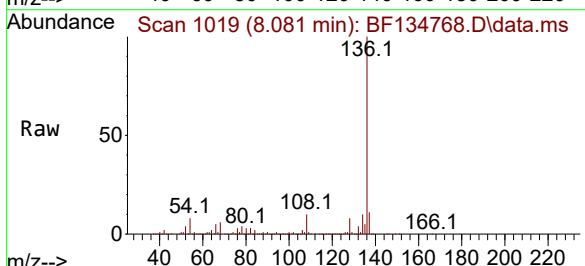
Tgt Ion: 99 Resp: 76870
Ion Ratio Lower Upper
99 100
42 19.8 18.7 28.1
71 33.0 36.4 54.6

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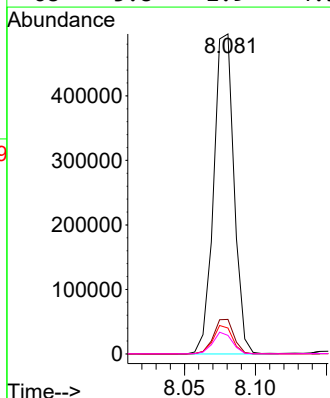
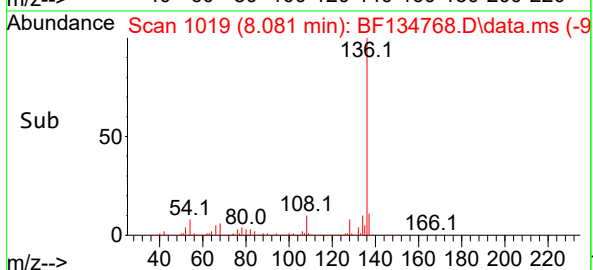
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

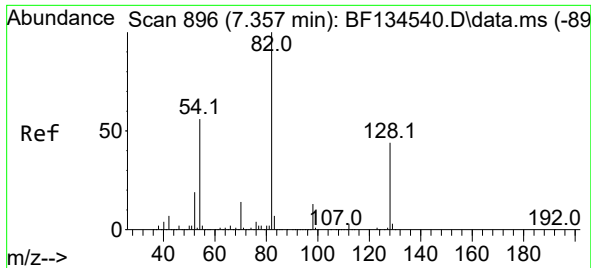


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF134768.D
Acq: 14 Aug 2023 19:50



Tgt Ion:136 Resp: 493339
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 8.1 5.2 7.8#
68 5.8 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 5.558 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.018 min

Lab File: BF134768.D

Acq: 14 Aug 2023 19:50

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB03-Z46-47

Tgt Ion: 82 Resp: 43880

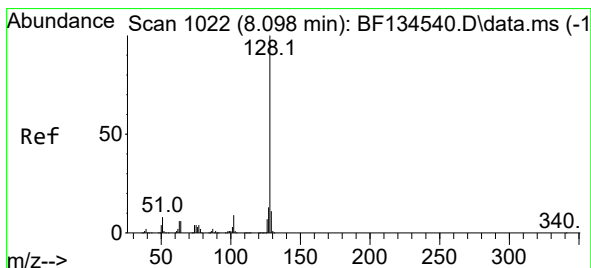
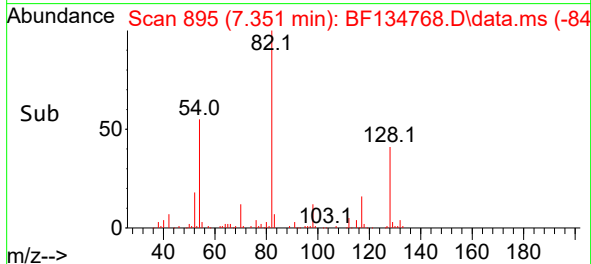
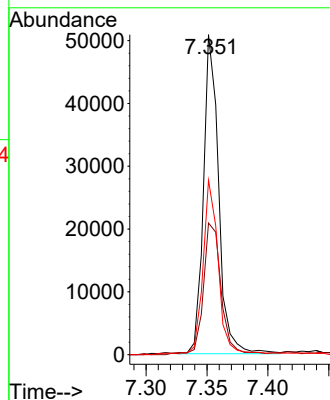
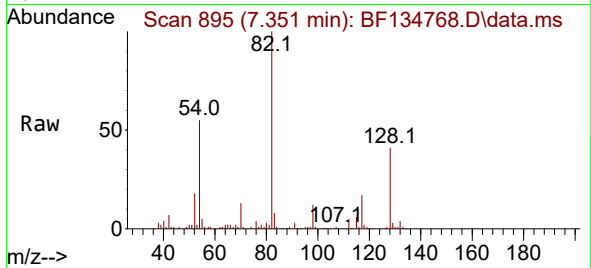
Ion	Ratio	Lower	Upper
82	100		
128	41.2	34.3	51.5
54	54.5	43.8	65.6

Manual Integrations

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Supervised By :Sohil Jodhani 08/15/2023



#31

Naphthalene

Concen: 96.184 ng

RT: 8.104 min Scan# 1023

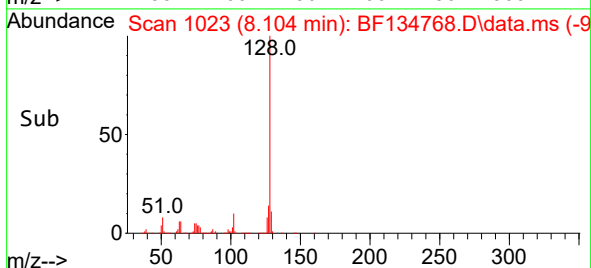
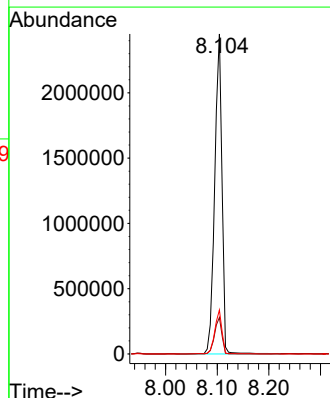
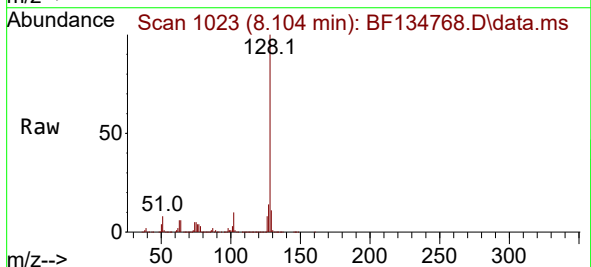
Delta R.T. 0.000 min

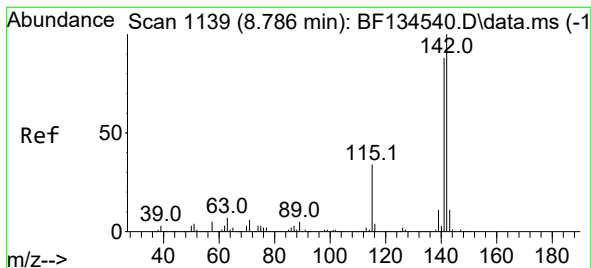
Lab File: BF134768.D

Acq: 14 Aug 2023 19:50

Tgt Ion:128 Resp: 2384809

Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.4	12.6
127	13.8	10.7	16.1





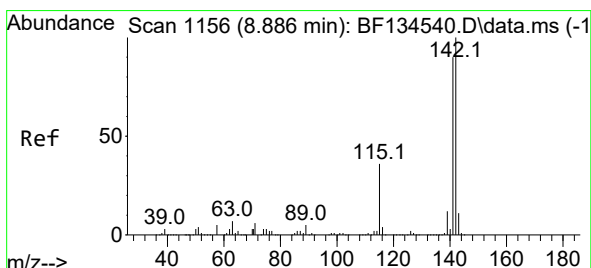
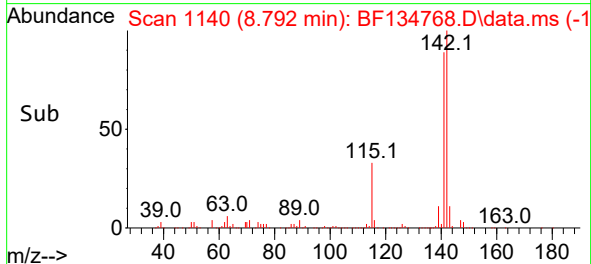
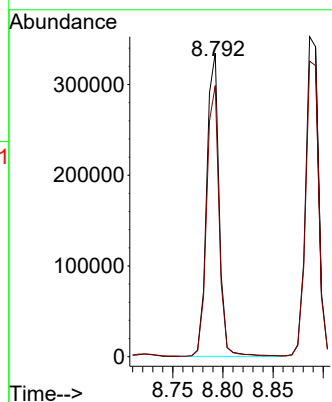
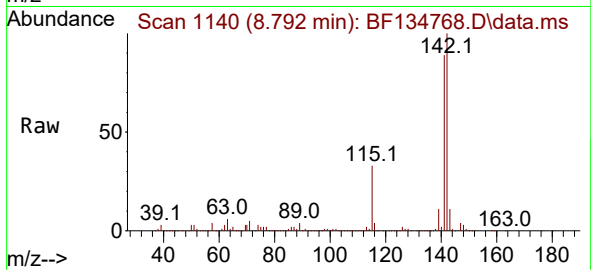
#37
2-Methylnaphthalene
Concen: 17.598 ng
RT: 8.792 min Scan# 1139
Delta R.T. 0.000 min
Lab File: BF134768.D
Acq: 14 Aug 2023 19:50

Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z46-47

Tgt Ion:142 Resp: 28921
Ion Ratio Lower Upper
142 100
141 89.3 70.8 106.2

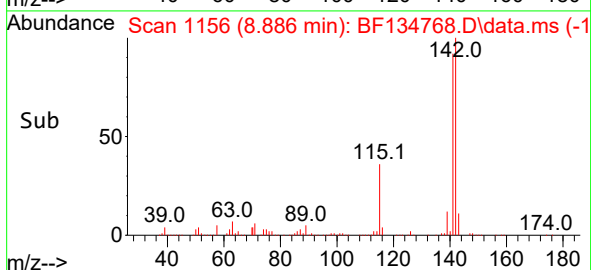
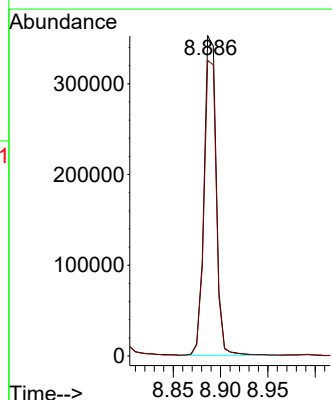
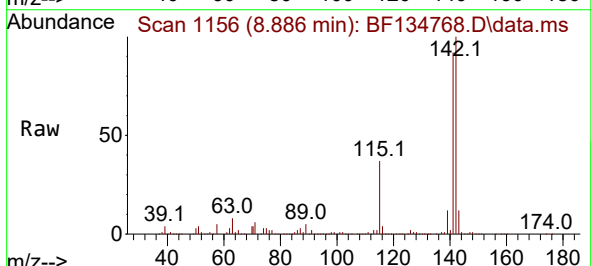
Manual Integrations
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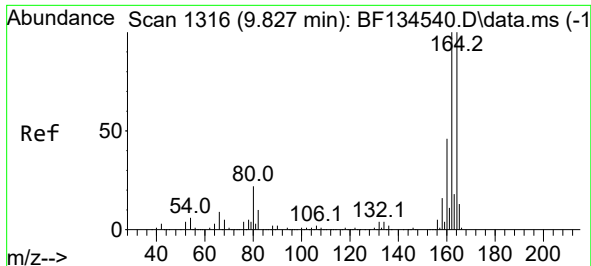
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#38
1-Methylnaphthalene
Concen: 20.790 ng
RT: 8.886 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF134768.D
Acq: 14 Aug 2023 19:50

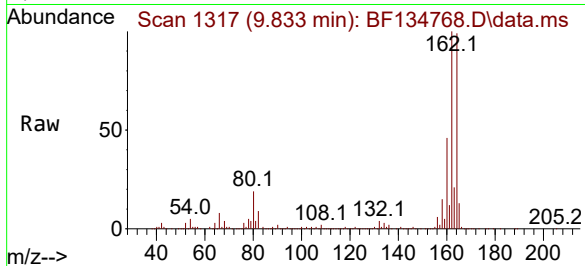
Tgt Ion:142 Resp: 317728
Ion Ratio Lower Upper
142 100
141 92.4 71.4 107.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134768.D
Acq: 14 Aug 2023 19:50

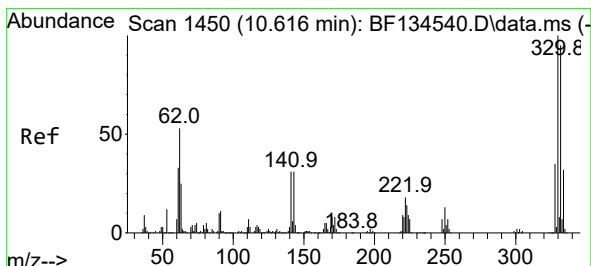
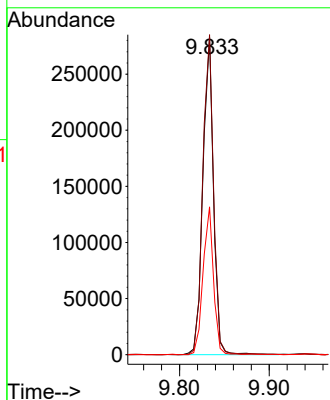
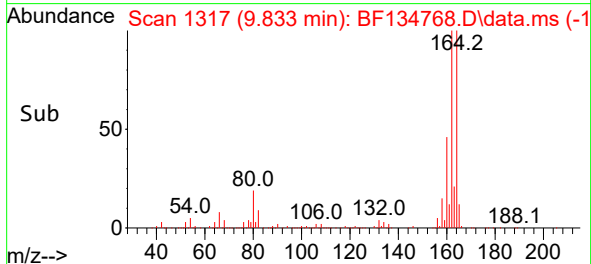
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z46-47



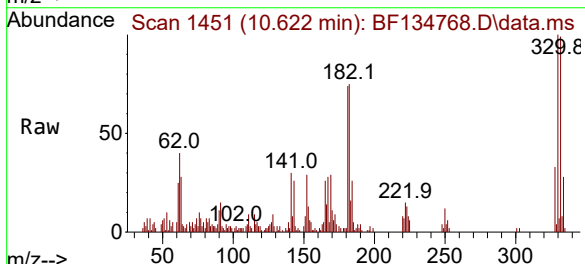
Tgt Ion:164 Resp: 232364
Ion Ratio Lower Upper
164 100
162 100.7 82.6 123.8
160 46.5 37.2 55.8

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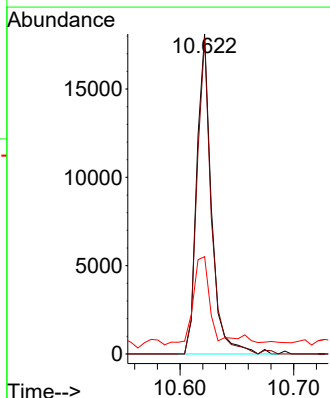
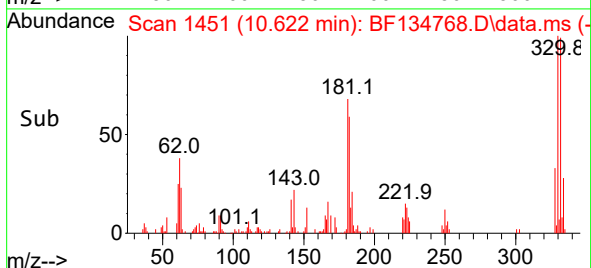
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

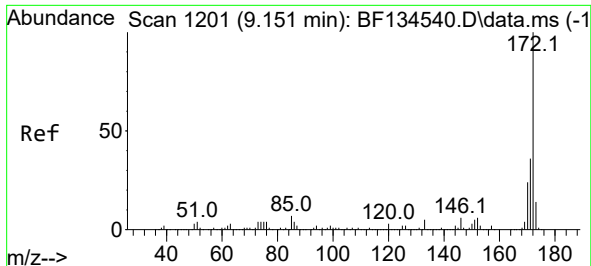


#42
2,4,6-Tribromophenol
Concen: 6.842 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134768.D
Acq: 14 Aug 2023 19:50



Tgt Ion:330 Resp: 16208
Ion Ratio Lower Upper
330 100
332 95.9 78.8 118.2
141 28.9 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 6.467 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF134768.D

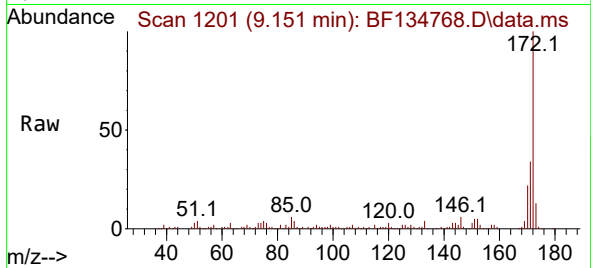
Acq: 14 Aug 2023 19:50

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB03-Z46-47



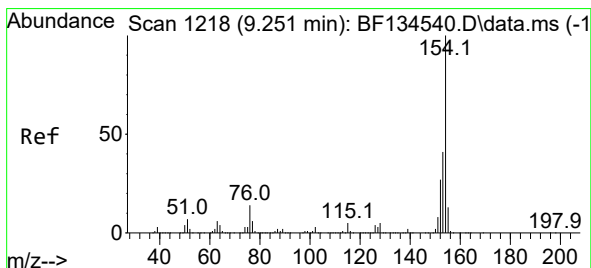
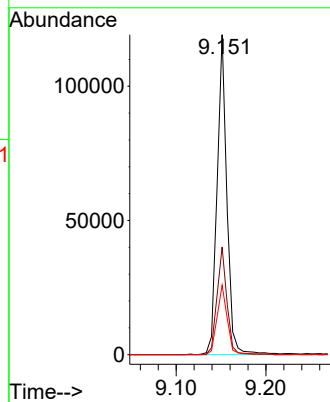
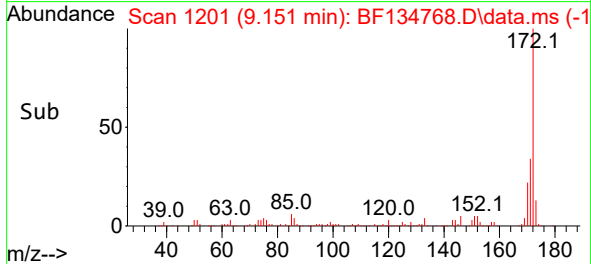
Tgt Ion:	172	Resp:	90378
Ion Ratio	Lower	Upper	
172	100		
171	33.7	28.8	43.2
170	21.7	18.7	28.1

Manual Integrations

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Supervised By :Sohil Jodhani 08/15/2023



#46

1,1'-Biphenyl

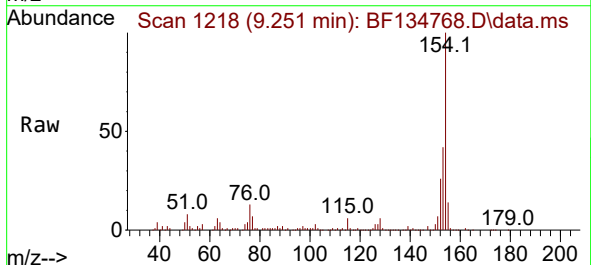
Concen: 4.713 ng

RT: 9.251 min Scan# 1218

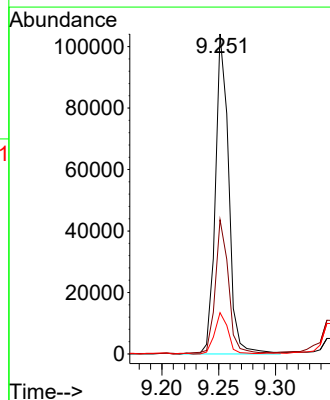
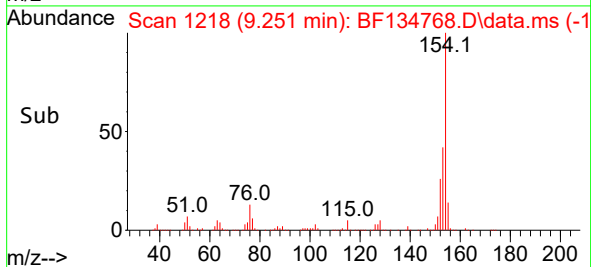
Delta R.T. -0.012 min

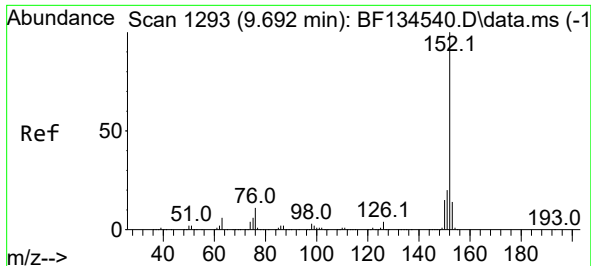
Lab File: BF134768.D

Acq: 14 Aug 2023 19:50



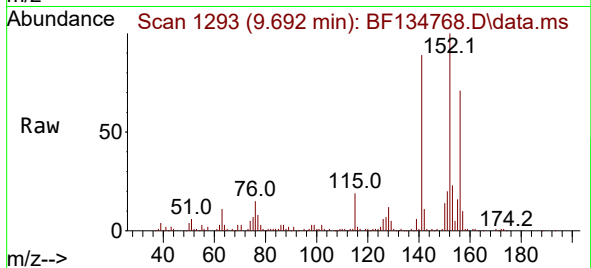
Tgt Ion:	154	Resp:	85158
Ion Ratio	Lower	Upper	
154	100		
153	41.9	20.8	60.8
76	12.9	0.0	30.2





#49
Acenaphthylene
Concen: 2.722 ng
RT: 9.692 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BF134768.D
Acq: 14 Aug 2023 19:50

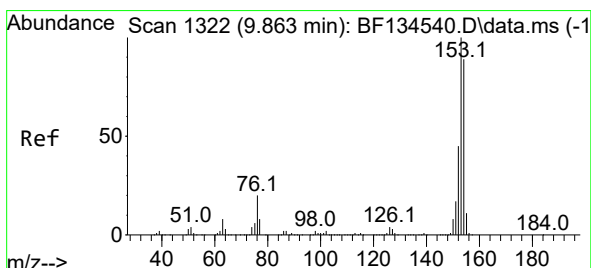
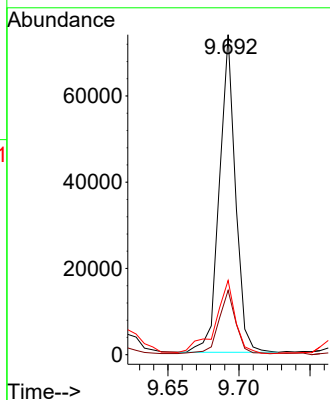
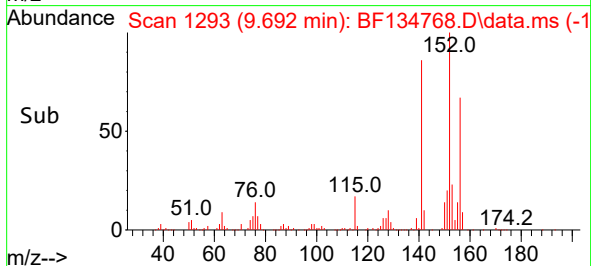
Instrument :
BNA_F
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NEVINS-SB03-Z46-47



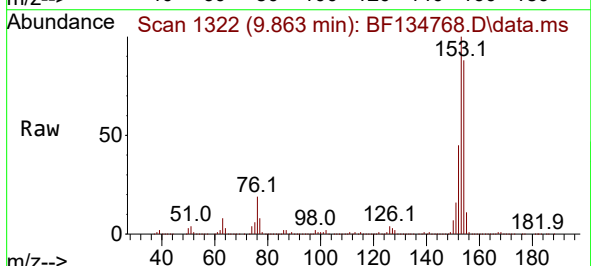
Tgt Ion:152 Resp: 57940
Ion Ratio Lower Upper
152 100
151 20.1 16.4 24.6
153 23.2 10.9 16.3

Manual Integrations
APPROVED

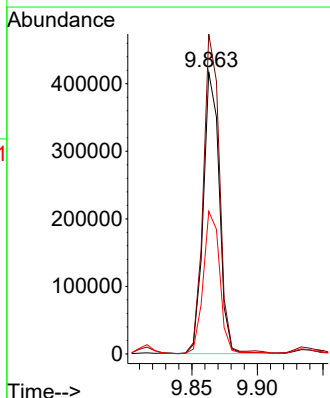
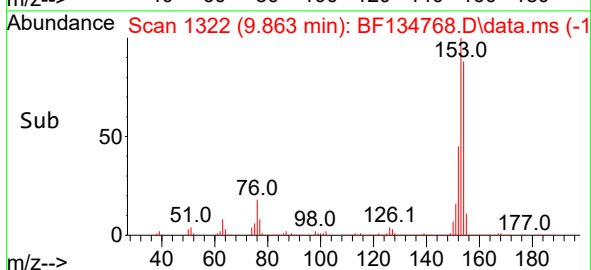
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

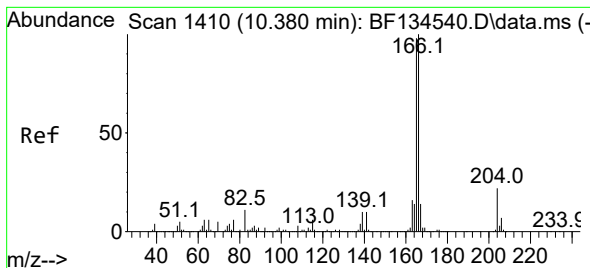


#52
Acenaphthene
Concen: 25.627 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.012 min
Lab File: BF134768.D
Acq: 14 Aug 2023 19:50



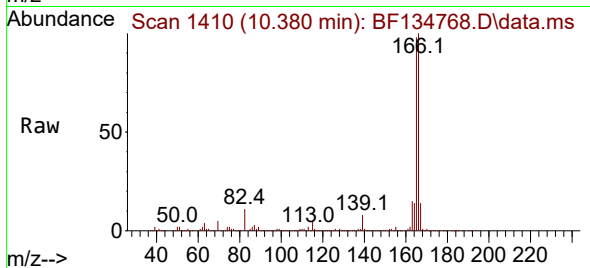
Tgt Ion:154 Resp: 353446
Ion Ratio Lower Upper
154 100
153 113.6 90.0 135.0
152 50.6 42.4 63.6





#58
Fluorene
Concen: 13.972 ng
RT: 10.380 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF134768.D
Acq: 14 Aug 2023 19:50

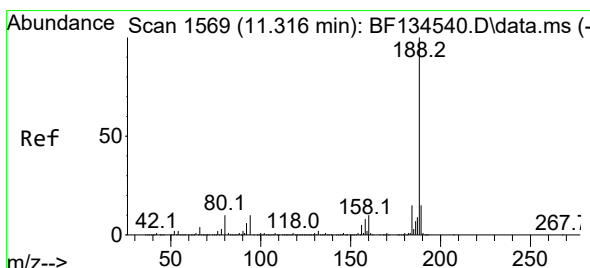
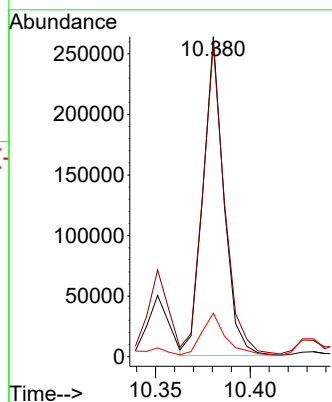
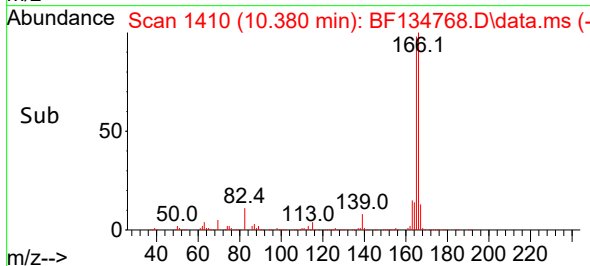
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z46-47



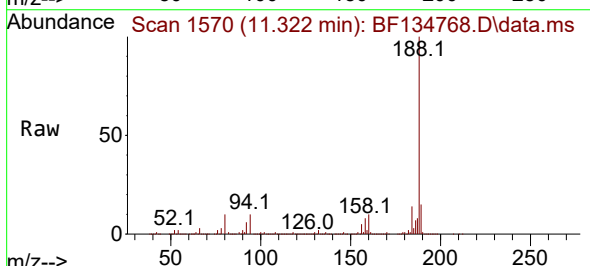
Tgt Ion:166 Resp: 199812
Ion Ratio Lower Upper
166 100
165 97.7 74.5 111.7
167 13.6 10.6 16.0

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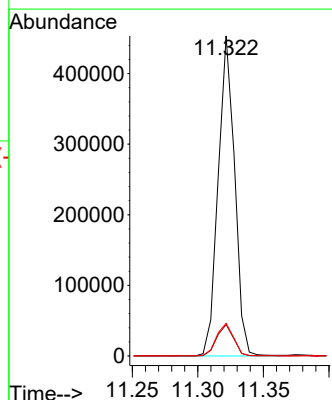
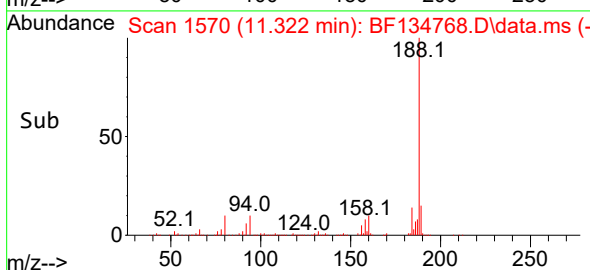
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

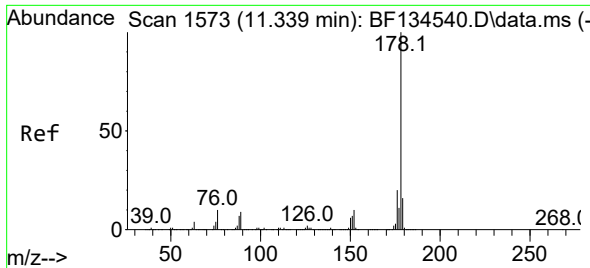


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF134768.D
Acq: 14 Aug 2023 19:50



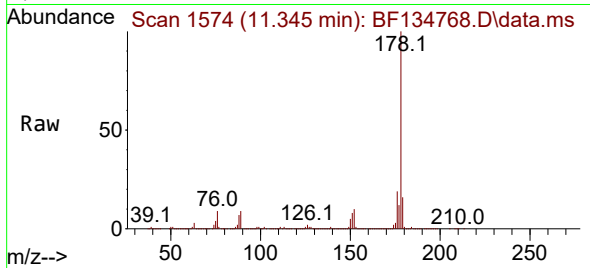
Tgt Ion:188 Resp: 396028
Ion Ratio Lower Upper
188 100
94 9.8 5.1 7.7#
80 10.2 6.6 9.8#





#71
Phenanthrene
Concen: 40.695 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF134768.D
Acq: 14 Aug 2023 19:50

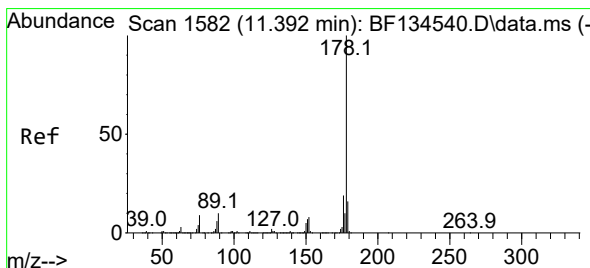
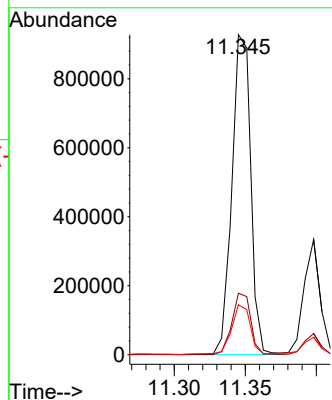
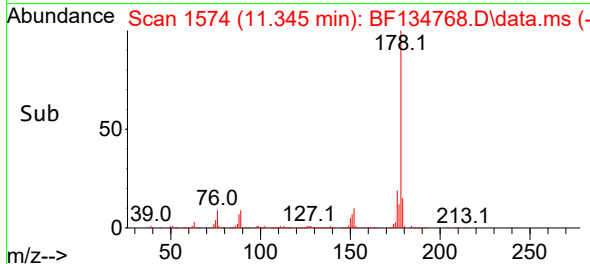
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z46-47



Tgt Ion:178 Resp: 856029
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.6
179 15.6 12.7 19.1

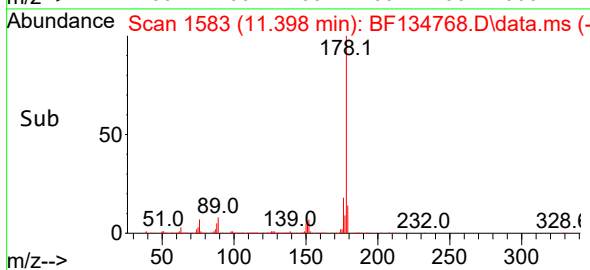
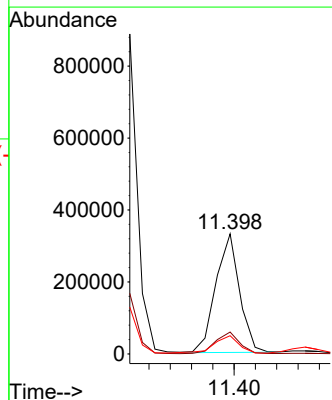
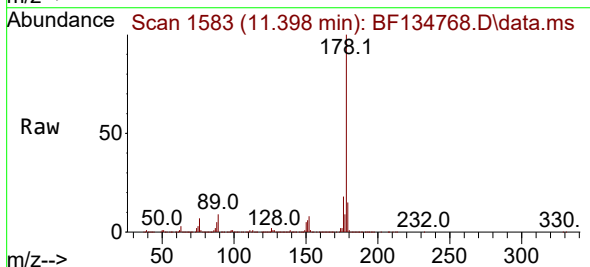
Manual Integrations
APPROVED

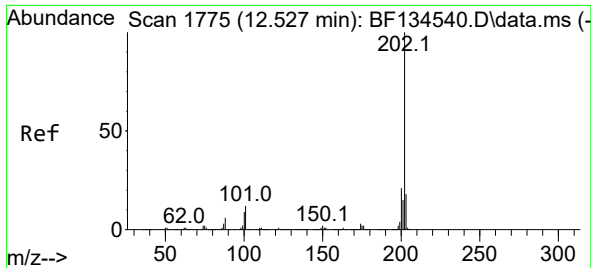
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#72
Anthracene
Concen: 11.912 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF134768.D
Acq: 14 Aug 2023 19:50

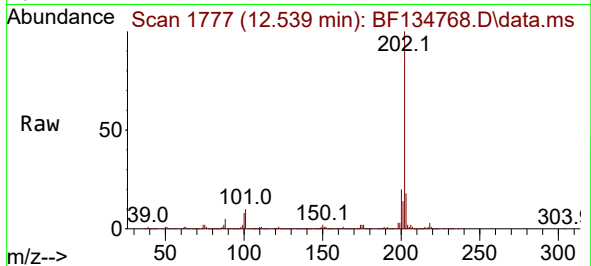
Tgt Ion:178 Resp: 255951
Ion Ratio Lower Upper
178 100
176 18.3 14.6 21.8
179 15.2 12.3 18.5





#75
Fluoranthene
Concen: 13.742 ng
RT: 12.539 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134768.D
Acq: 14 Aug 2023 19:50

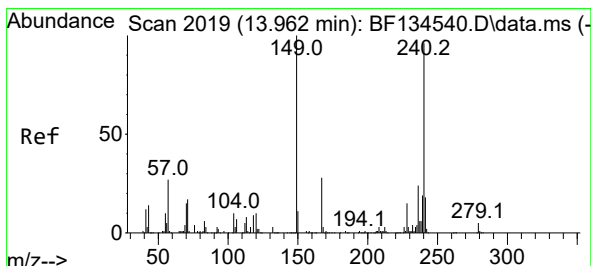
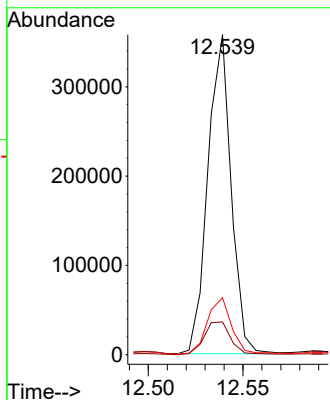
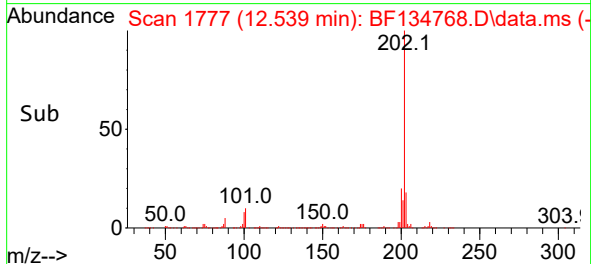
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z46-47



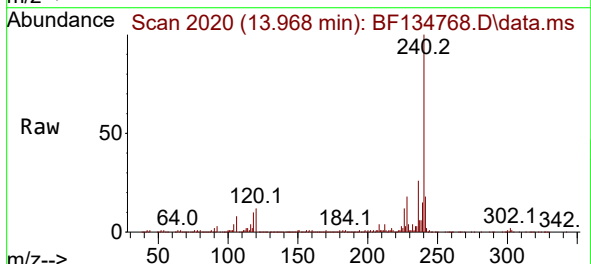
Tgt Ion:202 Resp: 305340
Ion Ratio Lower Upper
202 100
101 10.2 0.0 28.5
203 17.8 0.0 37.5

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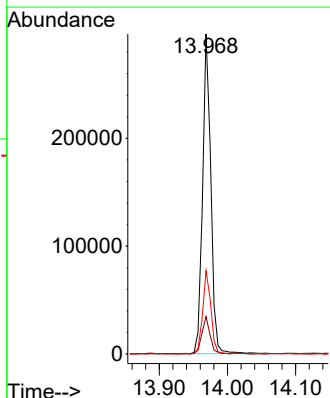
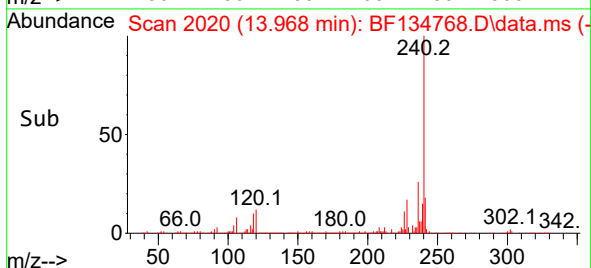
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

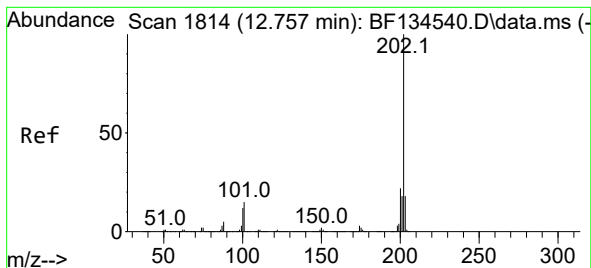


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF134768.D
Acq: 14 Aug 2023 19:50



Tgt Ion:240 Resp: 250005
Ion Ratio Lower Upper
240 100
120 11.7 6.6 10.0#
236 26.0 20.2 30.2





#78

Pyrene

Concen: 20.041 ng

RT: 12.769 min Scan# 1816

Delta R.T. 0.000 min

Lab File: BF134768.D

Acq: 14 Aug 2023 19:50

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB03-Z46-47

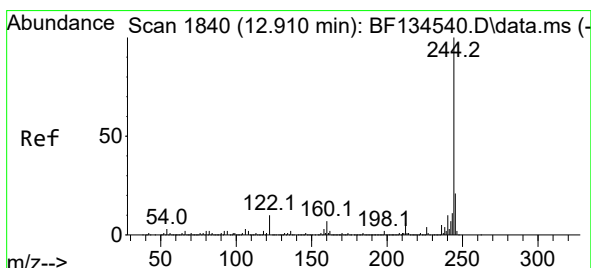
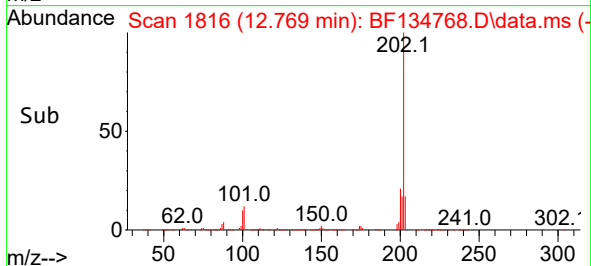
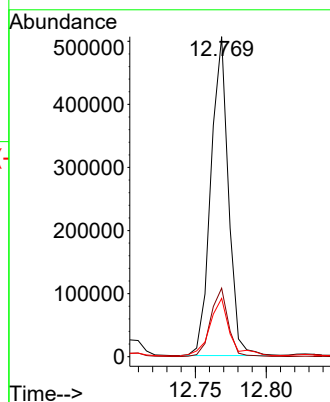
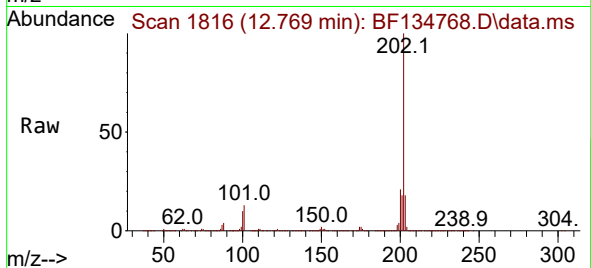
Tgt Ion:202 Resp: 43354

Ion	Ratio	Lower	Upper
202	100		
200	21.4	15.8	23.8
203	18.2	13.5	20.3

Manual Integrations

APPROVED

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



#79

Terphenyl-d14

Concen: 5.704 ng

RT: 12.910 min Scan# 1840

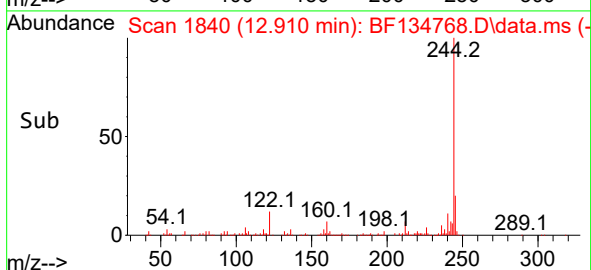
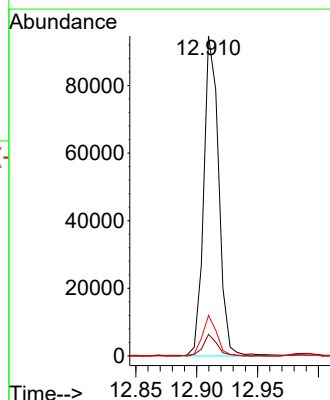
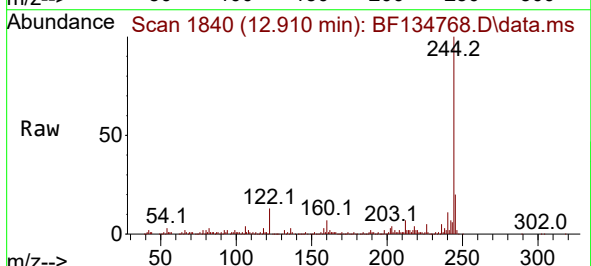
Delta R.T. -0.012 min

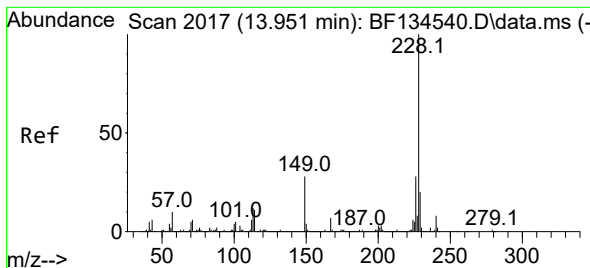
Lab File: BF134768.D

Acq: 14 Aug 2023 19:50

Tgt Ion:244 Resp: 80886

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	12.7	8.0	12.0





#81

Benzo(a)anthracene

Concen: 8.527 ng m

RT: 13.957 min Scan# 2017

Delta R.T. -0.006 min

Lab File: BF134768.D

Acq: 14 Aug 2023 19:50

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB03-Z46-47

Tgt Ion:228 Resp: 152429

Ion Ratio Lower Upper

228 100

226 42.4 22.3 33.5

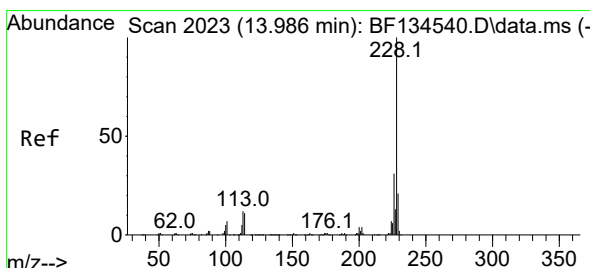
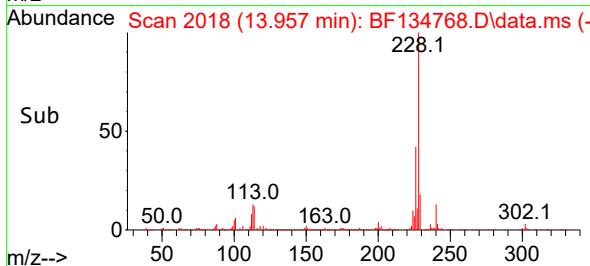
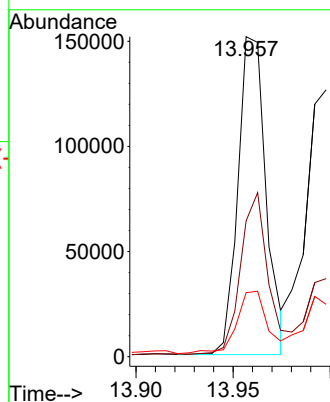
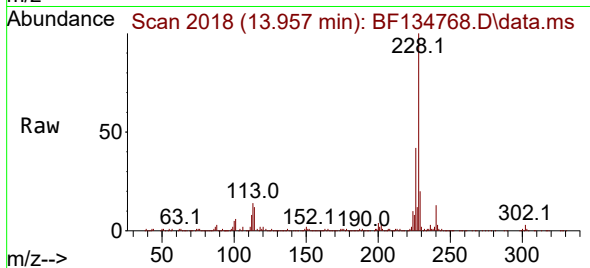
229 20.0 15.8 23.6

Manual Integrations

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Reviewed By :Yogesh Patel 08/15/2023

Supervised By :Sohil Jodhani 08/15/2023



#83

Chrysene

Concen: 7.755 ng

RT: 13.998 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF134768.D

Acq: 14 Aug 2023 19:50

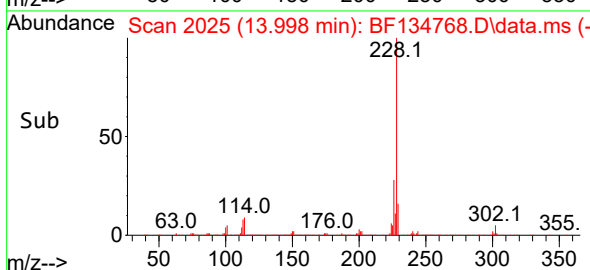
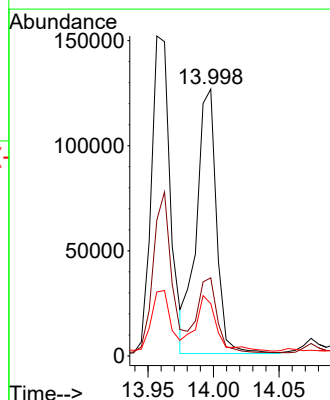
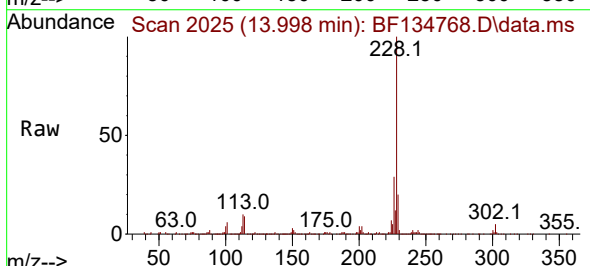
Tgt Ion:228 Resp: 135072

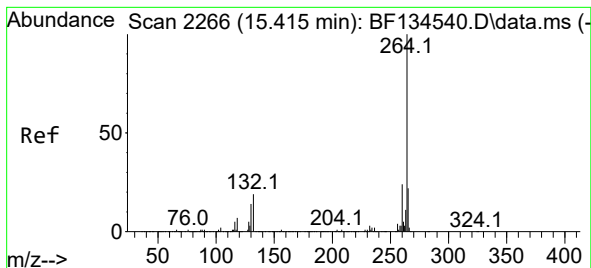
Ion Ratio Lower Upper

228 100

226 29.2 24.5 36.7

229 19.6 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF134768.D

Acq: 14 Aug 2023 19:50

Instrument :

BNA_F

ClientSampleId :

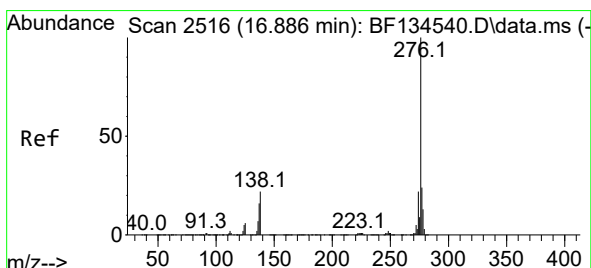
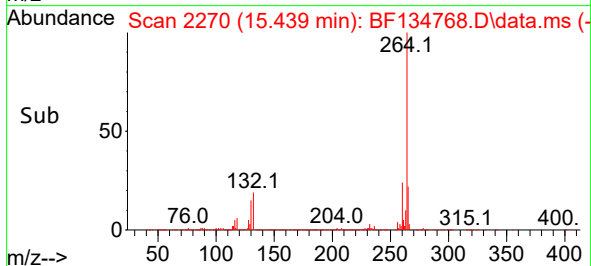
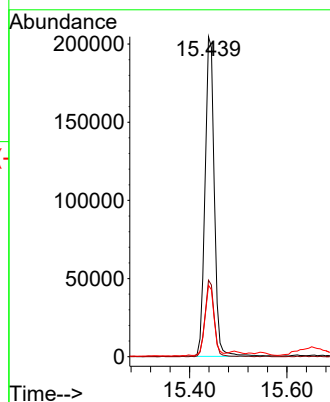
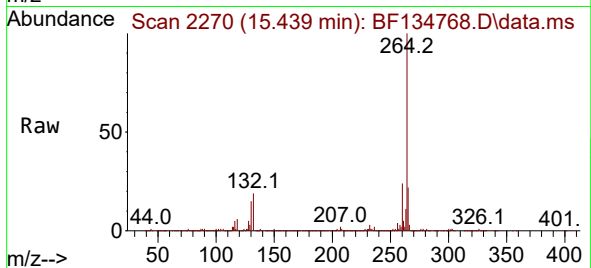
NEVINS-SB03-Z46-47

Tgt Ion:264 Resp: 26852
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.4 27.6
 265 22.3 15.8 23.8

Manual Integrations

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



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.005 ng

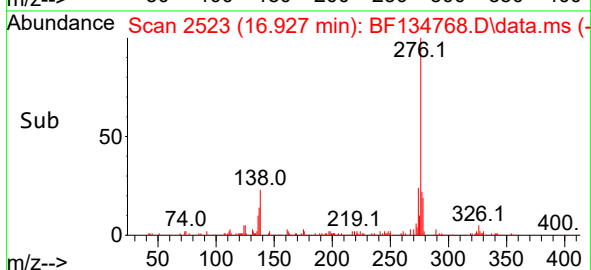
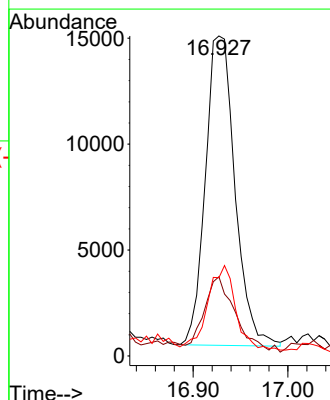
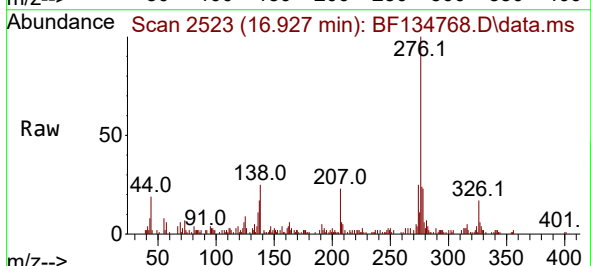
RT: 16.927 min Scan# 2523

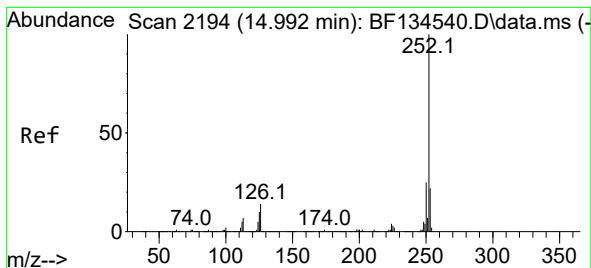
Delta R.T. 0.000 min

Lab File: BF134768.D

Acq: 14 Aug 2023 19:50

Tgt Ion:276 Resp: 31661
 Ion Ratio Lower Upper
 276 100
 138 26.0 14.2 21.4#
 277 25.9 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 4.981 ng m

RT: 15.015 min Scan# 2194

Delta R.T. 0.006 min

Lab File: BF134768.D

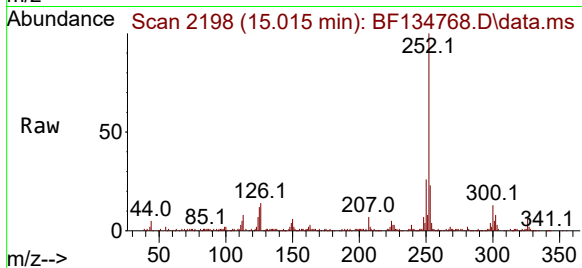
Acq: 14 Aug 2023 19:50

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB03-Z46-47



Tgt Ion:252 Resp: 81574

Ion Ratio Lower Upper

252 100

253 22.8 17.3 25.9

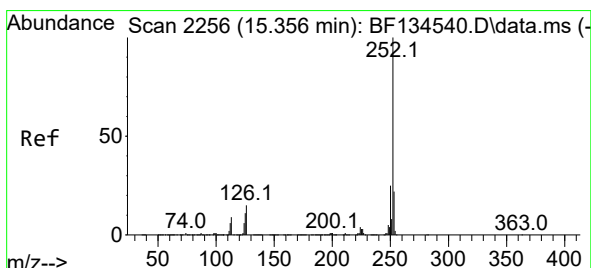
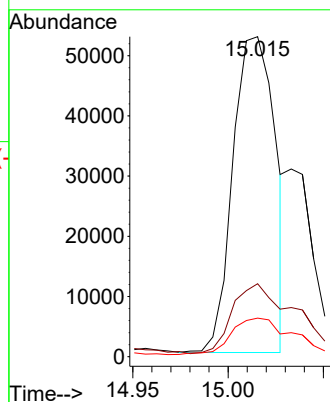
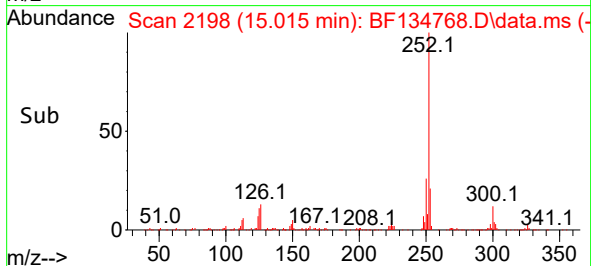
125 12.1 6.0 9.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/15/2023

Supervised By :Sohil Jodhani 08/15/2023



#90

Benzo(a)pyrene

Concen: 6.716 ng

RT: 15.374 min Scan# 2259

Delta R.T. -0.006 min

Lab File: BF134768.D

Acq: 14 Aug 2023 19:50

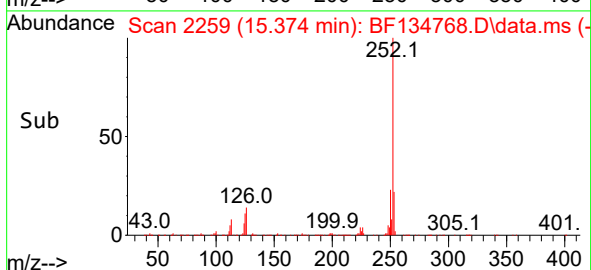
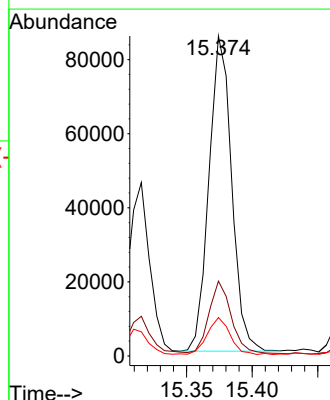
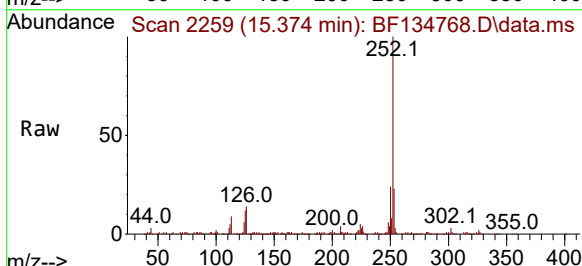
Tgt Ion:252 Resp: 102554

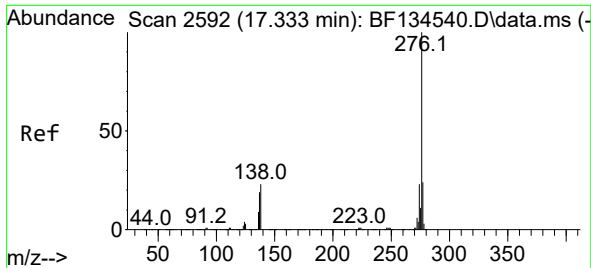
Ion Ratio Lower Upper

252 100

253 23.4 17.0 25.4

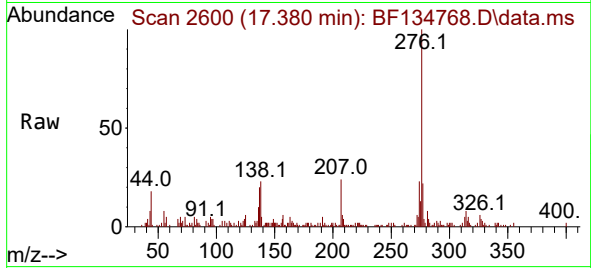
125 12.0 6.2 9.4





#92
 Benzo(g,h,i)perylene
 Concen: 2.543 ng
 RT: 17.380 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: BF134768.D
 Acq: 14 Aug 2023 19:50

Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB03-Z46-47



Tgt Ion:	276	Resp:	33110
Ion Ratio	Lower	Upper	
276	100		
277	22.1	19.0	28.6
138	28.3	12.2	18.2

Manual Integrations
 APPROVED

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

