

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081523\
 Data File : BF134781.D
 Acq On : 15 Aug 2023 12:29
 Operator : CG\JU
 Sample : 03975-04DL 50X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB03-Z82-83DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/16/2023
 Supervised By :Sohil Jodhani 08/16/2023

Quant Time: Aug 16 03:10:05 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	172610	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	698441	20.000	ng	# 0.00
39) Acenaphthene-d10	9.834	164	379075	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	715030	20.000	ng	# 0.00
76) Chrysene-d12	13.969	240	440739	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	424371	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	12526	1.103	ng	0.00
7) Phenol-d6	6.422	99	17728	1.221	ng	-0.02
23) Nitrobenzene-d5	7.351	82	10492	0.939	ng	-0.02
42) 2,4,6-Tribromophenol	10.622	330	4857	1.257	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	29765	1.306	ng	-0.01
79) Terphenyl-d14	12.910	244	35538	1.421	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.104	128	1657563	47.221	ng	99
37) 2-Methylnaphthalene	8.792	142	775353	33.324	ng	100
38) 1-Methylnaphthalene	8.892	142	694863	32.116	ng	97
46) 1,1'-Biphenyl	9.251	154	161589	5.482	ng	95
49) Acenaphthylene	9.692	152	89670	2.583	ng	# 85
52) Acenaphthene	9.869	154	578104	25.693	ng	99
58) Fluorene	10.381	166	378910	16.241	ng	94
71) Phenanthrene	11.351	178	1483219	39.053	ng	100
72) Anthracene	11.398	178	484980	12.501	ng	99
75) Fluoranthene	12.539	202	524448	13.073	ng	97
78) Pyrene	12.769	202	738180	19.356	ng	98
81) Benzo(a)anthracene	13.963	228	237459m	7.535	ng	
83) Chrysene	13.998	228	216882	7.064	ng	98
88) Benzo(b)fluoranthene	15.010	252	104152m	4.024	ng	
90) Benzo(a)pyrene	15.374	252	128270	5.315	ng	# 96
92) Benzo(g,h,i)perylene	17.374	276	41343	2.009	ng	# 95

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

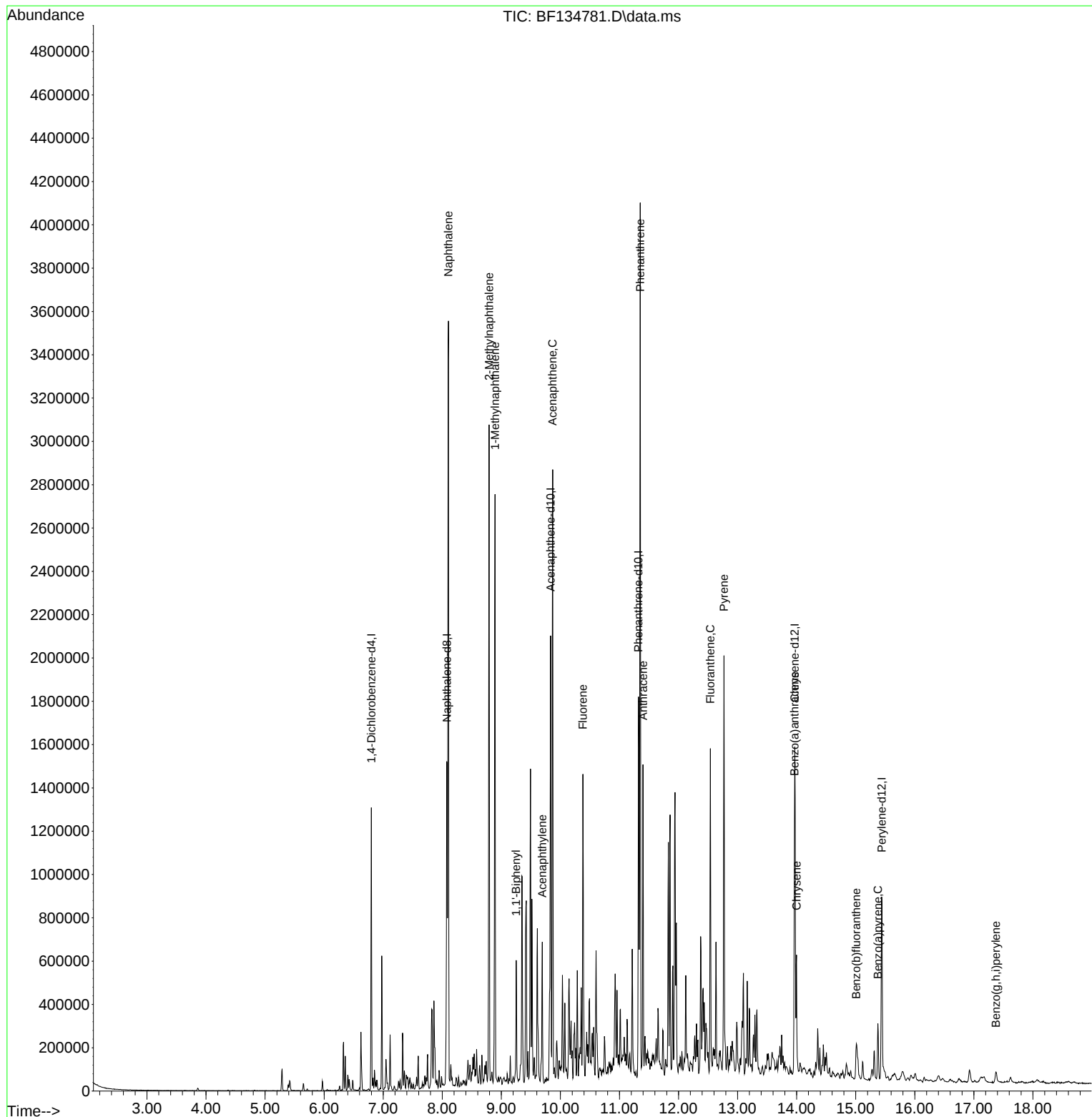
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081523\
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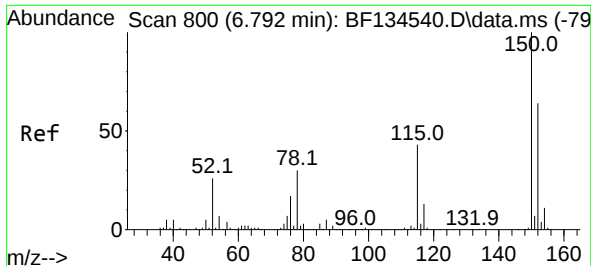
Instrument :
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Quant Time: Aug 16 03:10:05 2023
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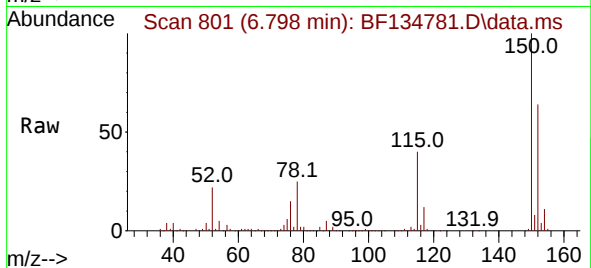
Reviewed By :Yogesh Patel 08/16/2023
Supervised By :Sohil Jodhani 08/16/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134781.D
Acq: 15 Aug 2023 12:29

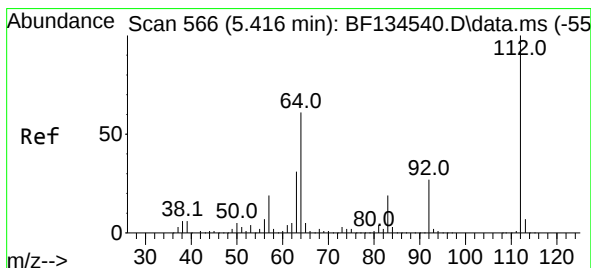
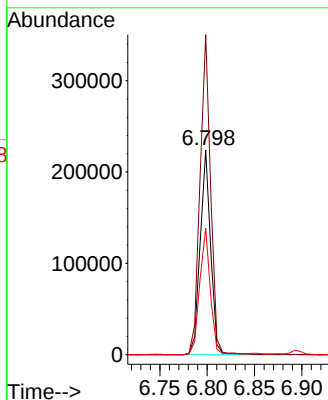
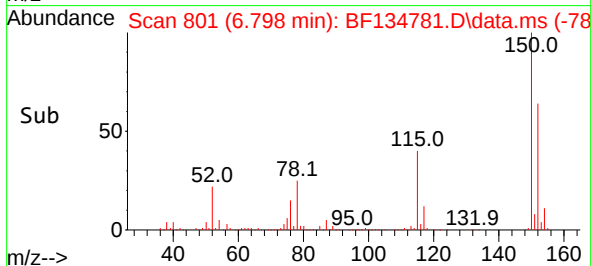
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z82-83DL



Tgt Ion:152 Resp: 172610
Ion Ratio Lower Upper
152 100
150 156.5 128.3 192.5
115 61.8 52.4 78.6

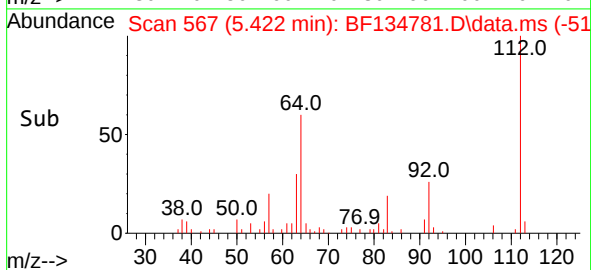
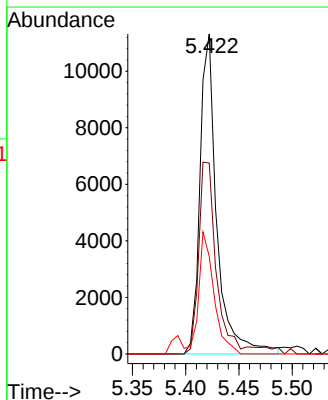
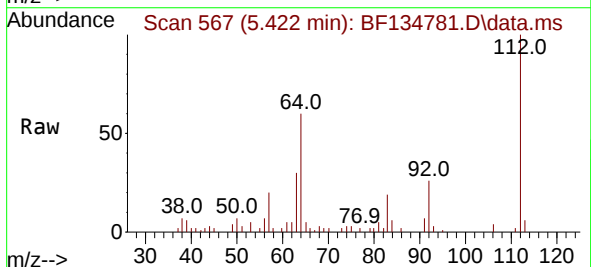
Manual Integrations
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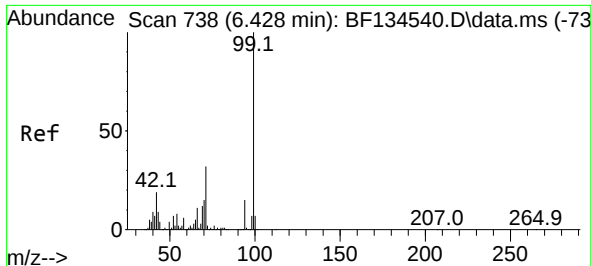
Reviewed By :Yogesh Patel 08/16/2023
Supervised By :Sohil Jodhani 08/16/2023



#5
2-Fluorophenol
Concen: 1.103 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF134781.D
Acq: 15 Aug 2023 12:29

Tgt Ion:112 Resp: 12526
Ion Ratio Lower Upper
112 100
64 59.6 44.9 67.3
63 30.5 25.4 38.0





#7

Phenol-d6

Concen: 1.221 ng

RT: 6.422 min Scan# 71

Delta R.T. -0.017 min

Lab File: BF134781.D

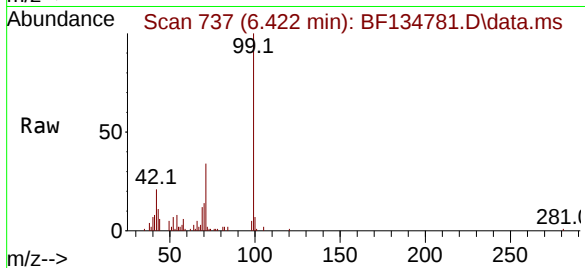
Acq: 15 Aug 2023 12:29

Instrument :

BNA_F

ClientSampleId :

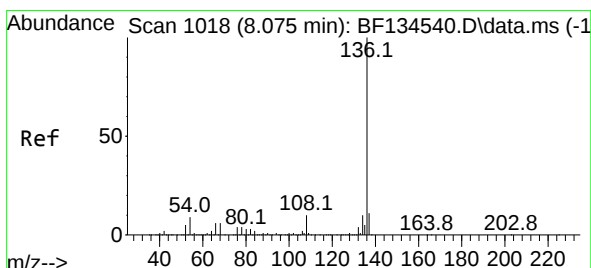
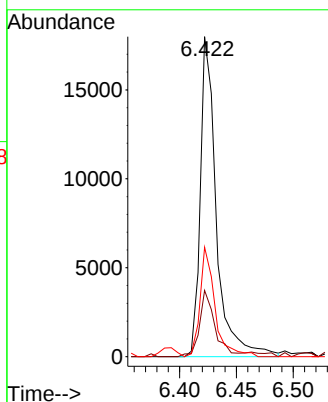
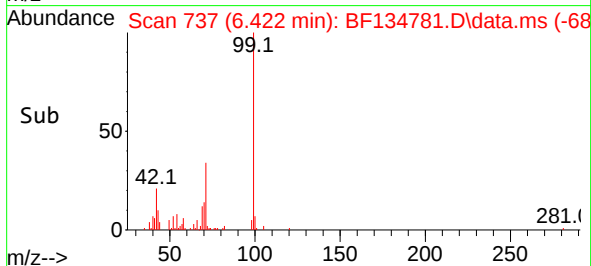
NEVINS-SB03-Z82-83DL



Tgt Ion:	99	Resp:	17728
Ion	Ratio	Lower	Upper
99	100		
42	20.7	18.7	28.1
71	34.2	36.4	54.6

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Supervised By :Sohil Jodhani 08/16/2023



#21

Naphthalene-d8

Concen: 20.000 ng

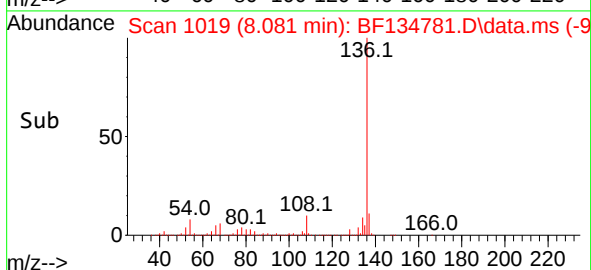
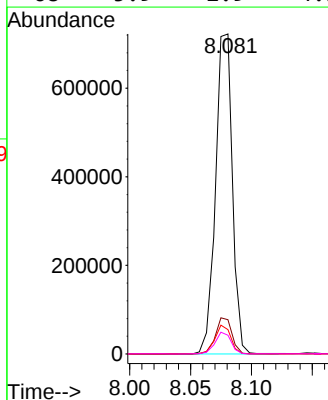
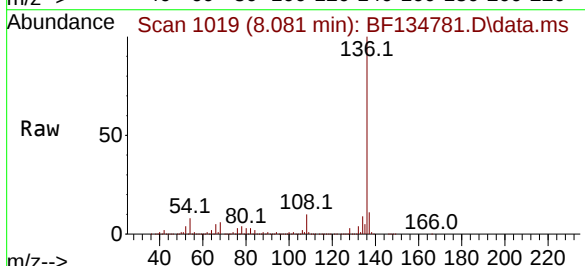
RT: 8.081 min Scan# 1019

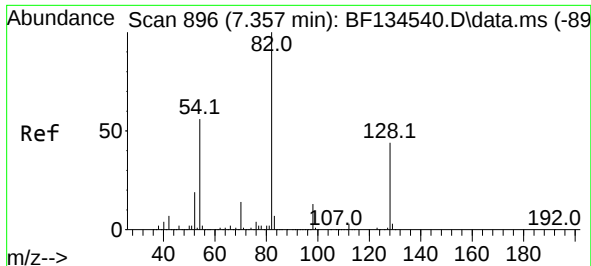
Delta R.T. 0.000 min

Lab File: BF134781.D

Acq: 15 Aug 2023 12:29

Tgt Ion:	136	Resp:	698441
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	7.6	5.2	7.8
68	5.9	2.9	4.3





#23

Nitrobenzene-d5

Concen: 0.939 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.017 min

Lab File: BF134781.D

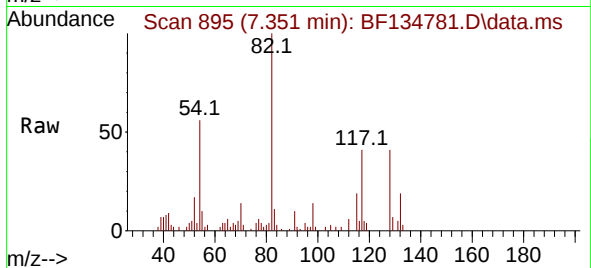
Acq: 15 Aug 2023 12:29

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB03-Z82-83DL



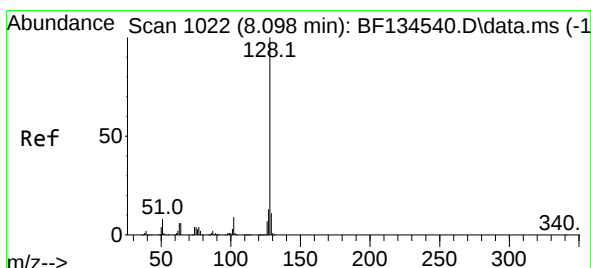
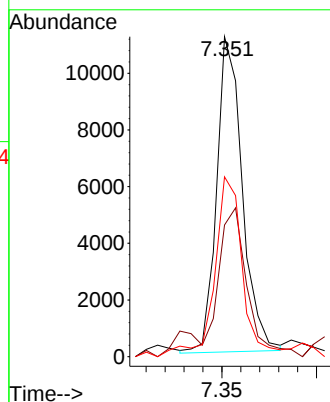
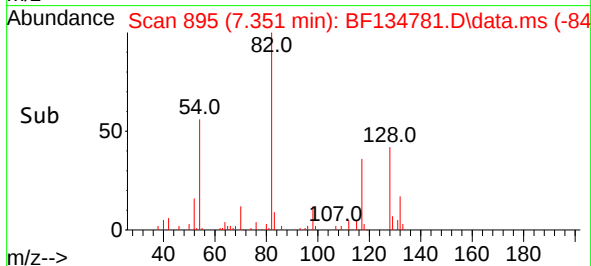
Tgt Ion:	82	Resp:	10492
Ion Ratio	Lower	Upper	
82	100		
128	41.2	34.3	51.5
54	56.2	43.8	65.6

Manual Integrations

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Supervised By :Sohil Jodhani 08/16/2023



#31

Naphthalene

Concen: 47.221 ng

RT: 8.104 min Scan# 1023

Delta R.T. 0.000 min

Lab File: BF134781.D

Acq: 15 Aug 2023 12:29

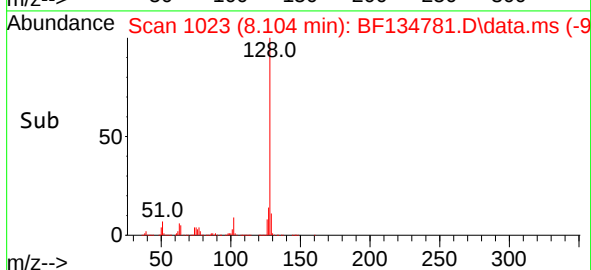
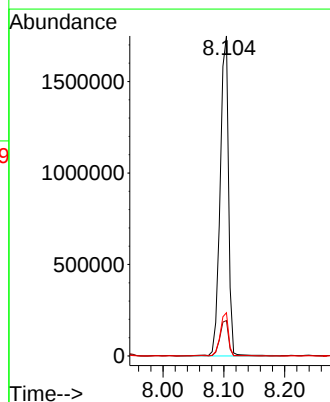
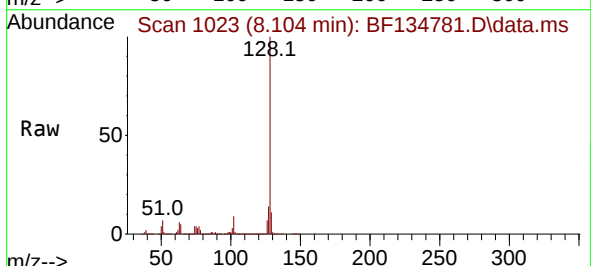
Tgt Ion:128 Resp: 1657563

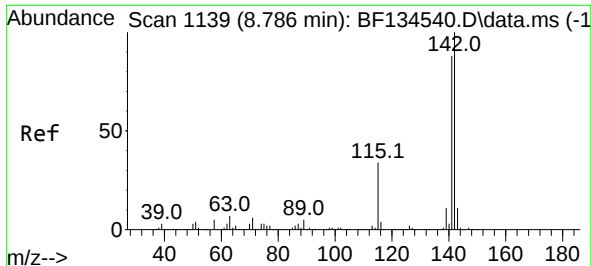
Ion Ratio Lower Upper

128 100

129 11.1 8.4 12.6

127 13.5 10.7 16.1





#37

2-Methylnaphthalene

Concen: 33.324 ng

RT: 8.792 min Scan# 1139

Delta R.T. 0.000 min

Lab File: BF134781.D

Acq: 15 Aug 2023 12:29

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB03-Z82-83DL

Tgt Ion:142 Resp: 77535

Ion Ratio Lower Upper

142 100

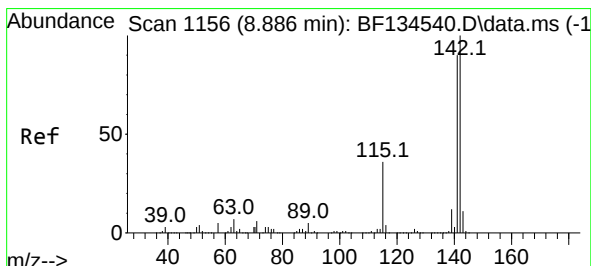
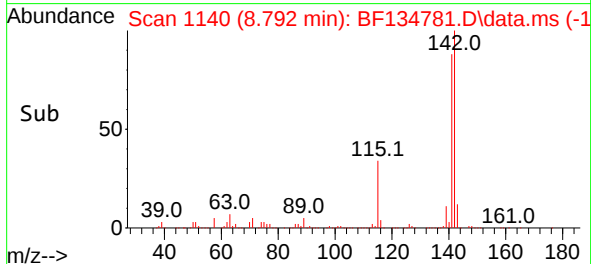
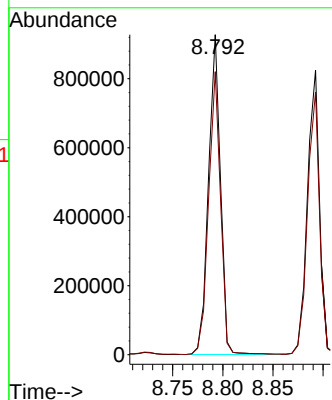
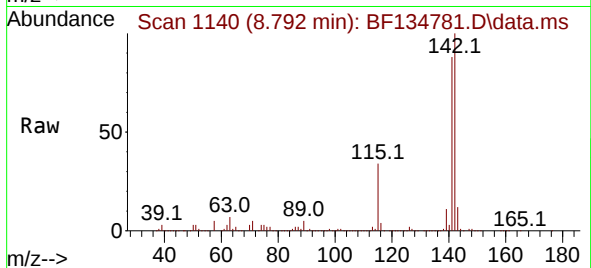
141 88.4 70.8 106.2

Manual Integrations

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Supervised By :Sohil Jodhani 08/16/2023



#38

1-Methylnaphthalene

Concen: 32.116 ng

RT: 8.892 min Scan# 1157

Delta R.T. 0.000 min

Lab File: BF134781.D

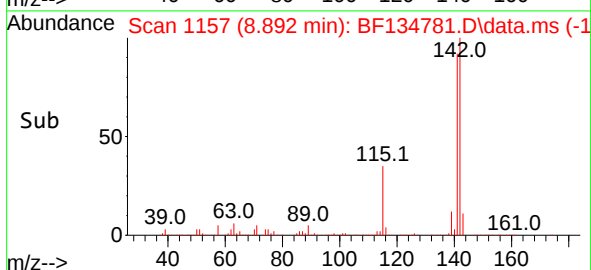
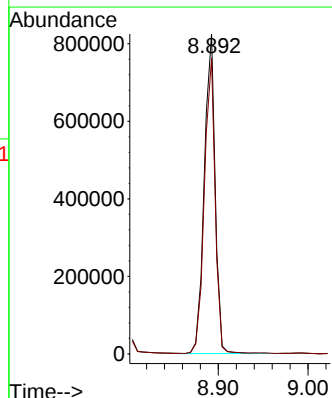
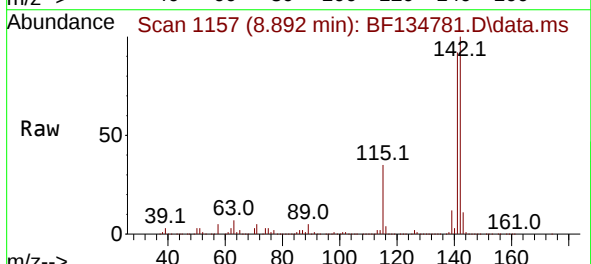
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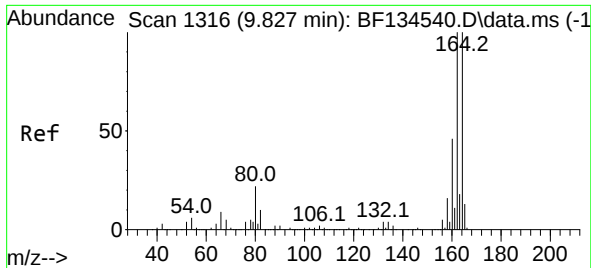
Tgt Ion:142 Resp: 694863

Ion Ratio Lower Upper

142 100

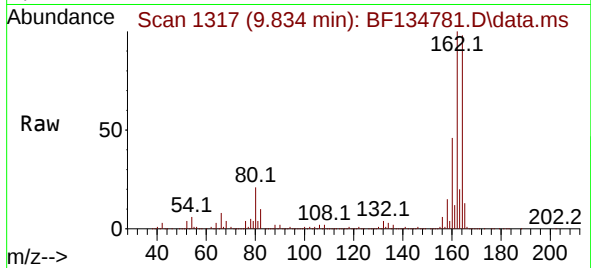
141 92.3 71.4 107.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134781.D
Acq: 15 Aug 2023 12:29

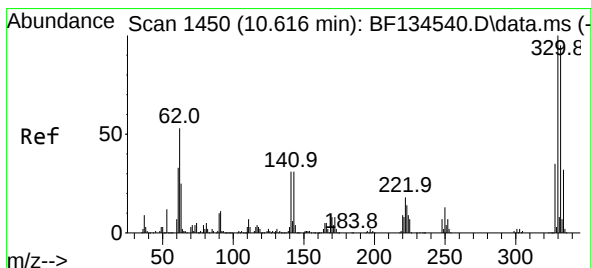
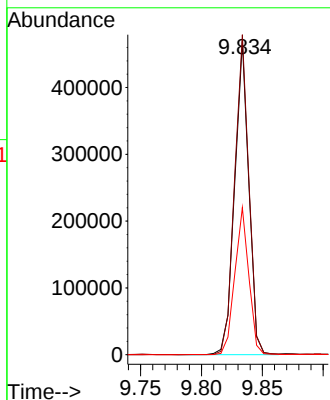
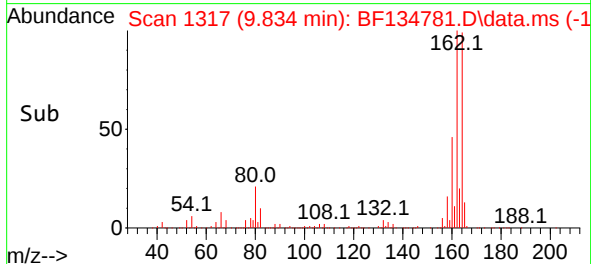
Instrument :
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NEVINS-SB03-Z82-83DL



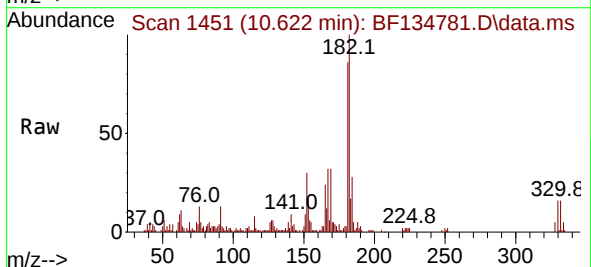
Tgt Ion:164 Resp: 379075
Ion Ratio Lower Upper
164 100
162 102.2 82.6 123.8
160 47.0 37.2 55.8

Manual Integrations
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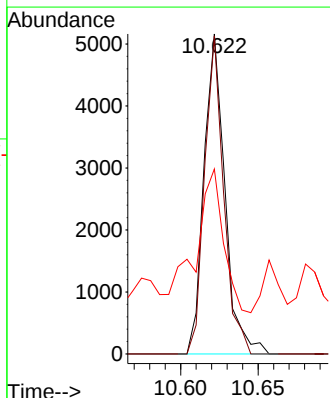
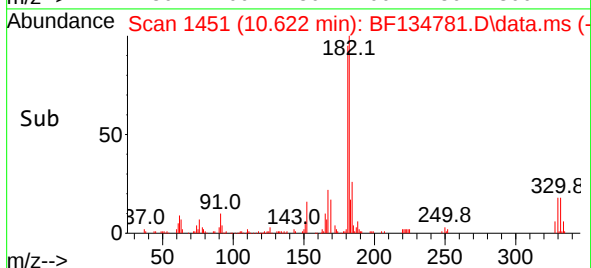
Reviewed By :Yogesh Patel 08/16/2023
Supervised By :Sohil Jodhani 08/16/2023

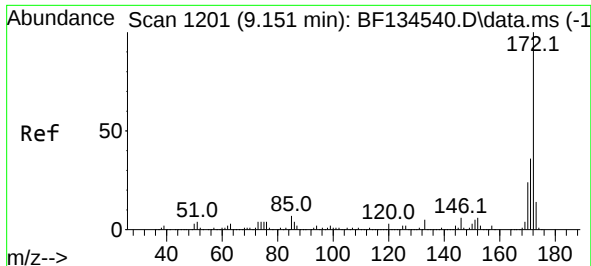


#42
2,4,6-Tribromophenol
Concen: 1.257 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134781.D
Acq: 15 Aug 2023 12:29



Tgt Ion:330 Resp: 4857
Ion Ratio Lower Upper
330 100
332 90.4 78.8 118.2
141 61.1 25.4 38.2#





#45

2-Fluorobiphenyl

Concen: 1.306 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF134781.D

Acq: 15 Aug 2023 12:29

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB03-Z82-83DL

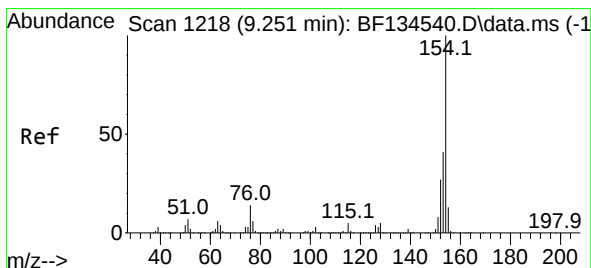
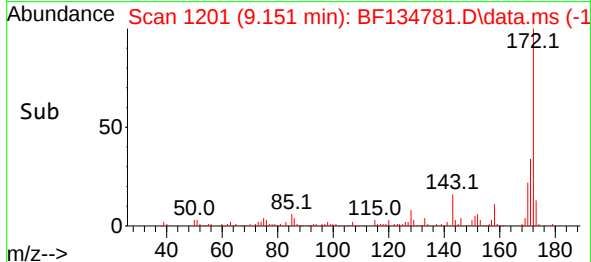
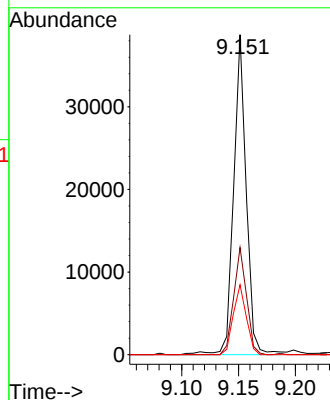
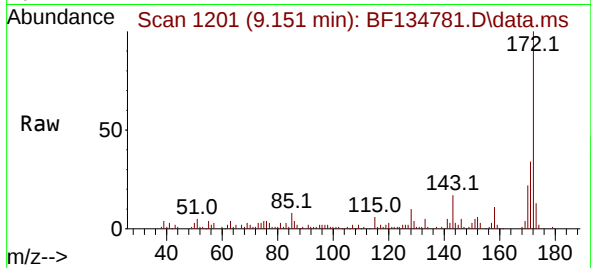
Tgt Ion:172	Resp:	2976
Ion Ratio	Lower	Upper
172	100	
171	33.5	28.8 43.2
170	21.8	18.7 28.1

Manual Integrations

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Supervised By :Sohil Jodhani 08/16/2023



#46

1,1'-Biphenyl

Concen: 5.482 ng

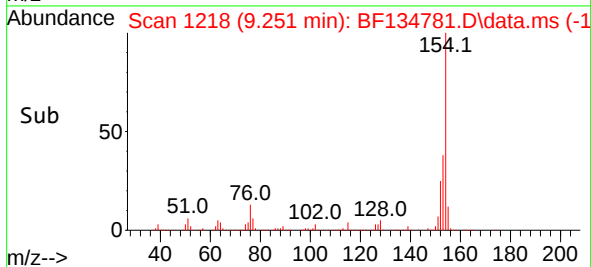
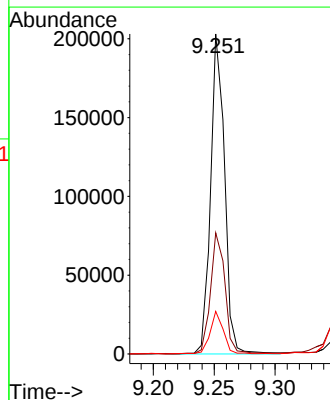
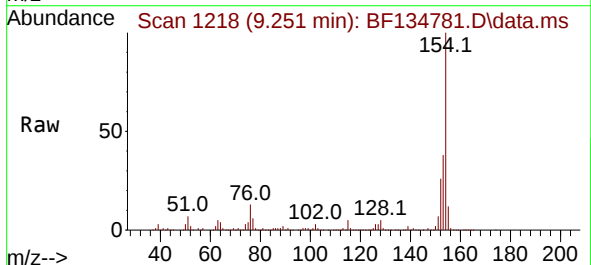
RT: 9.251 min Scan# 1218

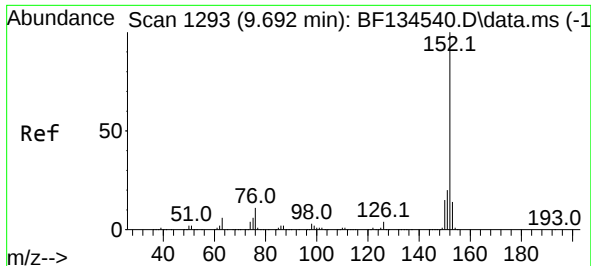
Delta R.T. -0.012 min

Lab File: BF134781.D

Acq: 15 Aug 2023 12:29

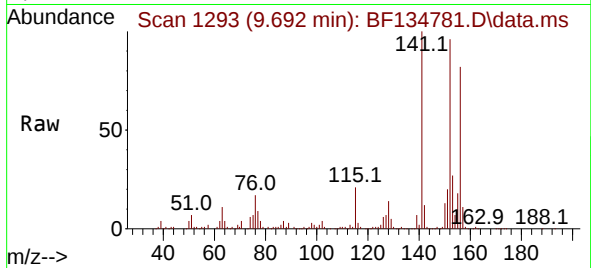
Tgt Ion:154	Resp:	161589
Ion Ratio	Lower	Upper
154	100	
153	37.8	20.8 60.8
76	13.3	0.0 30.2





#49
Acenaphthylene
Concen: 2.583 ng
RT: 9.692 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BF134781.D
Acq: 15 Aug 2023 12:29

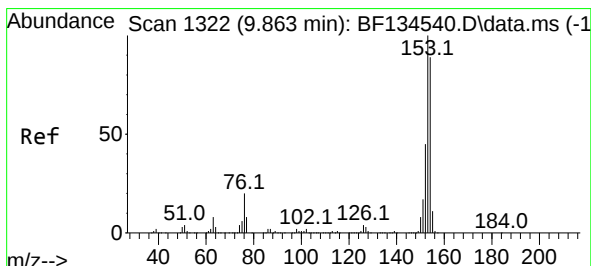
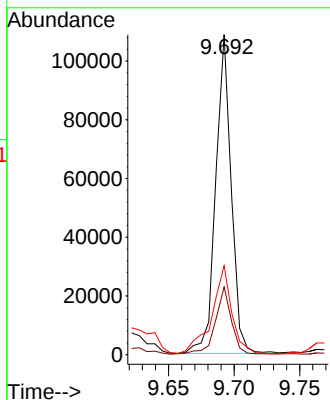
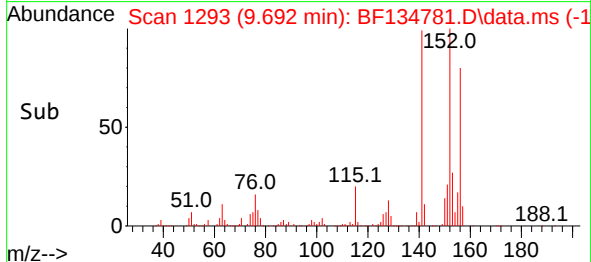
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z82-83DL



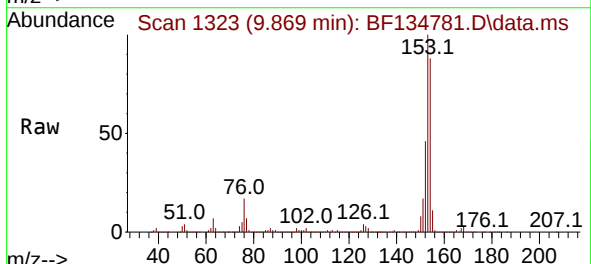
Tgt Ion:152 Resp: 89670
Ion Ratio Lower Upper
152 100
151 21.2 16.4 24.6
153 27.8 10.9 16.3

Manual Integrations
APPROVED

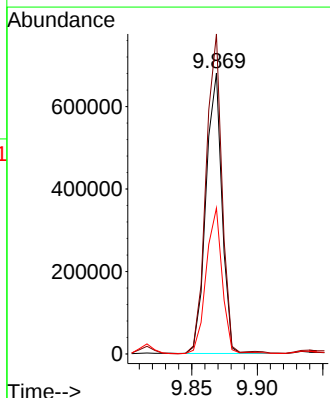
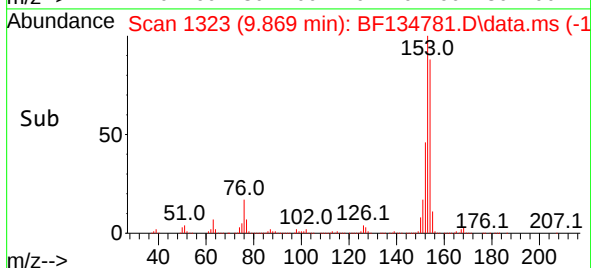
Reviewed By :Yogesh Patel 08/16/2023
Supervised By :Sohil Jodhani 08/16/2023

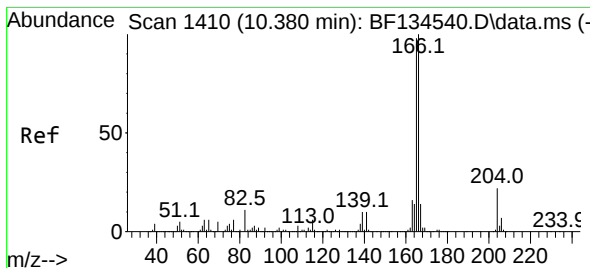


#52
Acenaphthene
Concen: 25.693 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF134781.D
Acq: 15 Aug 2023 12:29



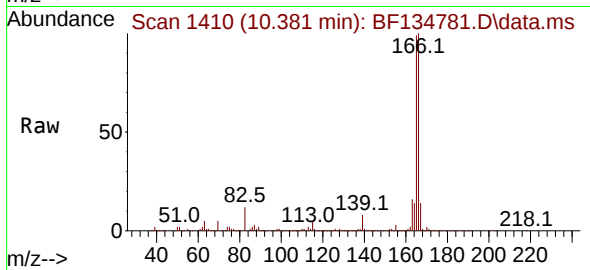
Tgt Ion:154 Resp: 578104
Ion Ratio Lower Upper
154 100
153 113.9 90.0 135.0
152 51.9 42.4 63.6





#58
Fluorene
Concen: 16.241 ng
RT: 10.381 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF134781.D
Acq: 15 Aug 2023 12:29

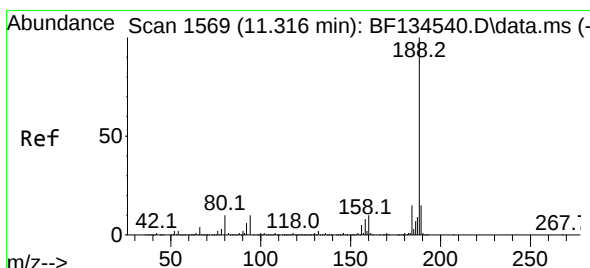
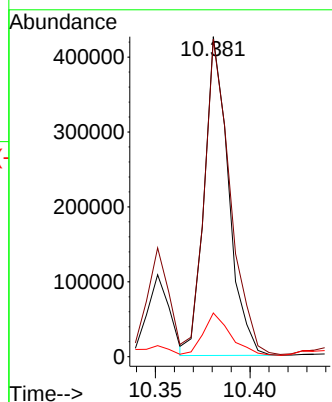
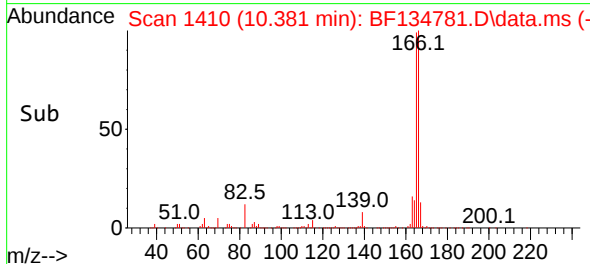
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z82-83DL



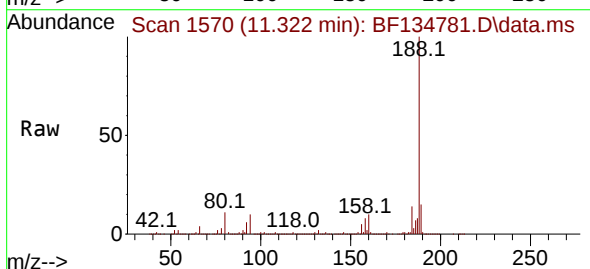
Tgt Ion:166 Resp: 378910
Ion Ratio Lower Upper
166 100
165 99.1 74.5 111.7
167 13.7 10.6 16.0

Manual Integrations
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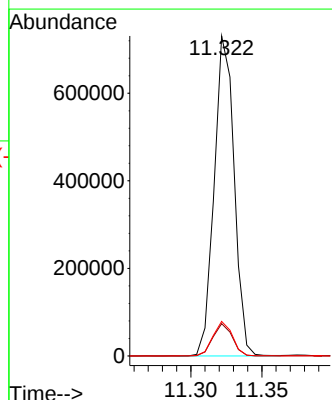
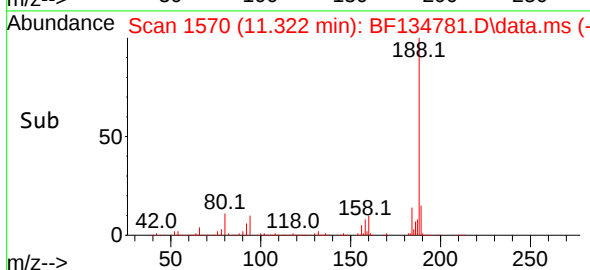
Reviewed By :Yogesh Patel 08/16/2023
Supervised By :Sohil Jodhani 08/16/2023

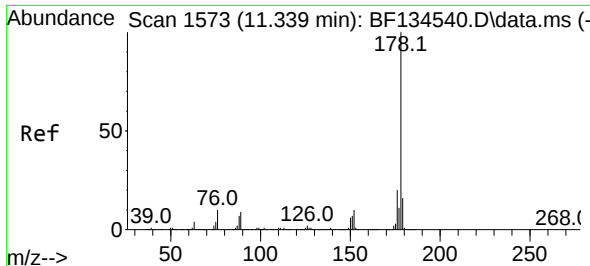


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF134781.D
Acq: 15 Aug 2023 12:29



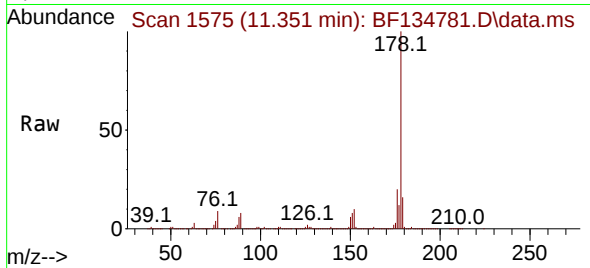
Tgt Ion:188 Resp: 715030
Ion Ratio Lower Upper
188 100
94 10.1 5.1 7.7#
80 10.8 6.6 9.8#





#71
Phenanthrene
Concen: 39.053 ng
RT: 11.351 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF134781.D
Acq: 15 Aug 2023 12:29

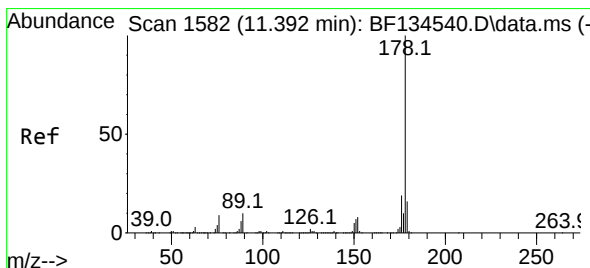
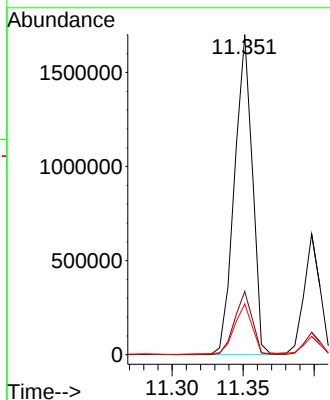
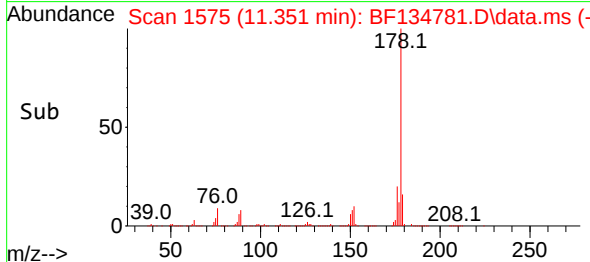
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z82-83DL



Tgt Ion:178 Resp: 1483219
Ion Ratio Lower Upper
178 100
176 19.8 15.8 23.6
179 15.9 12.7 19.1

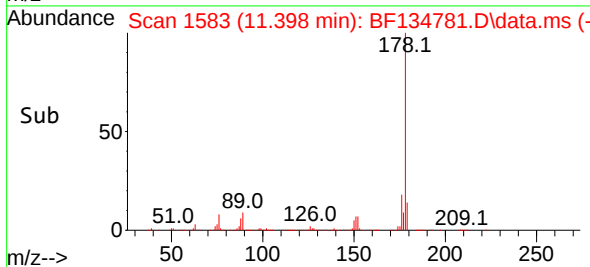
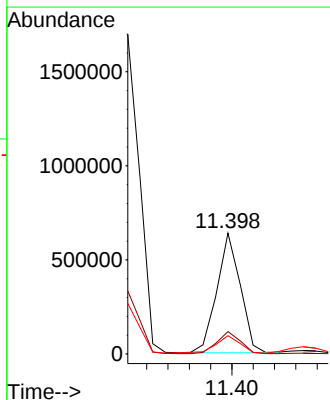
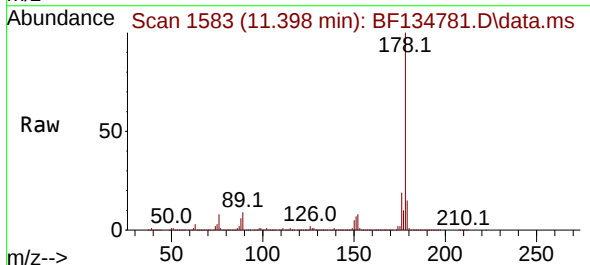
Manual Integrations
APPROVED

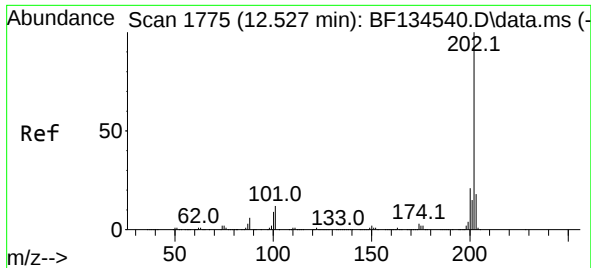
Reviewed By :Yogesh Patel 08/16/2023
Supervised By :Sohil Jodhani 08/16/2023



#72
Anthracene
Concen: 12.501 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF134781.D
Acq: 15 Aug 2023 12:29

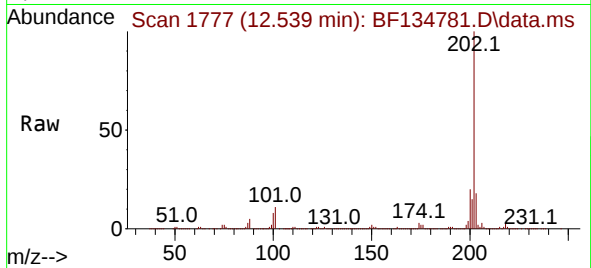
Tgt Ion:178 Resp: 484980
Ion Ratio Lower Upper
178 100
176 18.5 14.6 21.8
179 15.1 12.3 18.5





#75
Fluoranthene
Concen: 13.073 ng
RT: 12.539 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134781.D
Acq: 15 Aug 2023 12:29

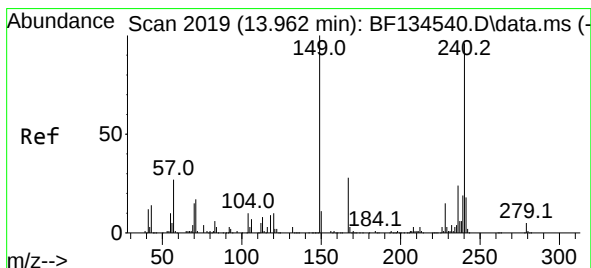
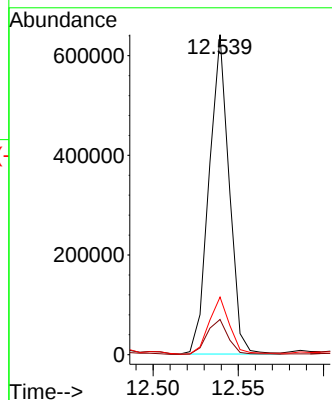
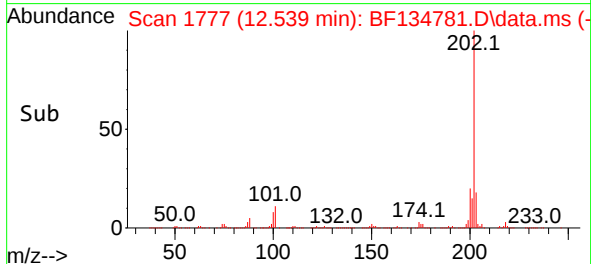
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z82-83DL



Tgt Ion:202 Resp: 524448
Ion Ratio Lower Upper
202 100
101 11.0 0.0 28.5
203 18.0 0.0 37.5

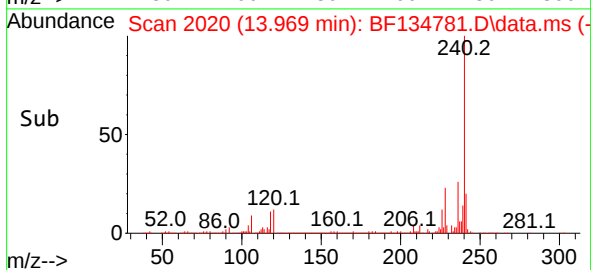
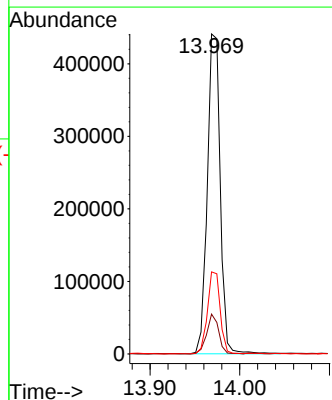
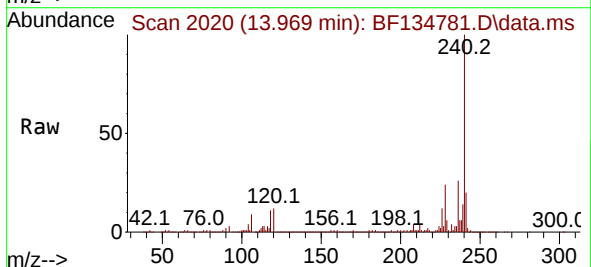
Manual Integrations
APPROVED

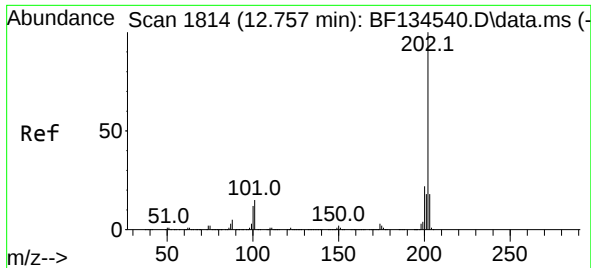
Reviewed By :Yogesh Patel 08/16/2023
Supervised By :Sohil Jodhani 08/16/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF134781.D
Acq: 15 Aug 2023 12:29

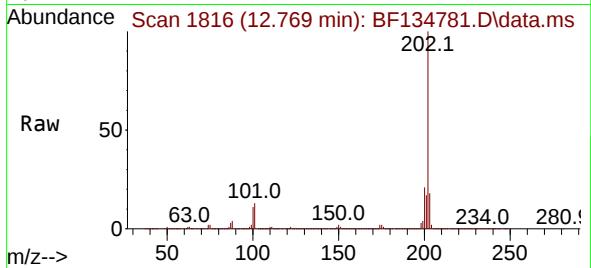
Tgt Ion:240 Resp: 440739
Ion Ratio Lower Upper
240 100
120 12.4 6.6 10.0#
236 25.7 20.2 30.2





#78
Pyrene
Concen: 19.356 ng
RT: 12.769 min Scan# 1816
Delta R.T. 0.000 min
Lab File: BF134781.D
Acq: 15 Aug 2023 12:29

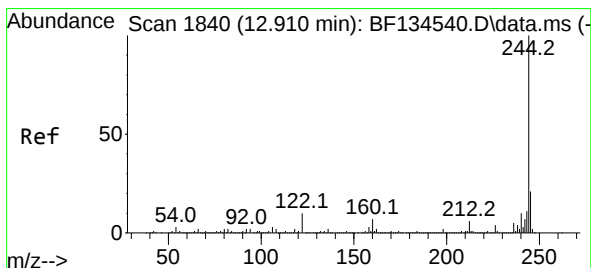
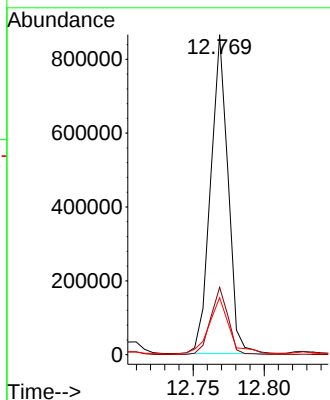
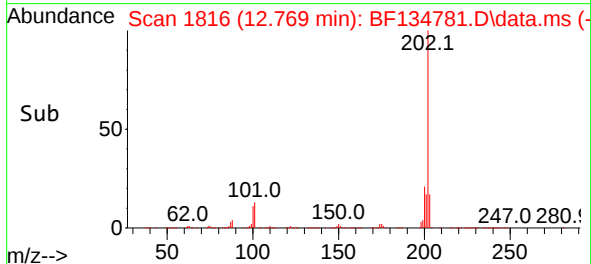
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z82-83DL



Tgt Ion:202 Resp: 738180
Ion Ratio Lower Upper
202 100
200 21.1 15.8 23.8
203 17.8 13.5 20.3

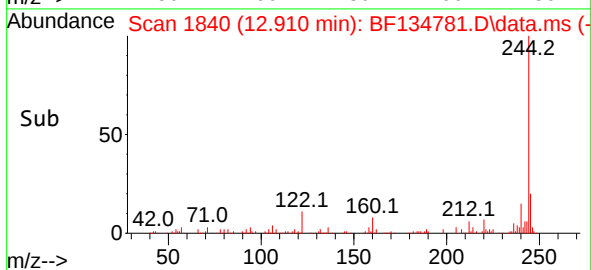
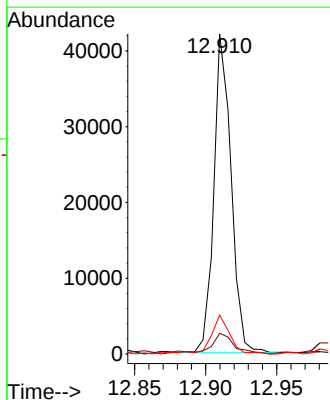
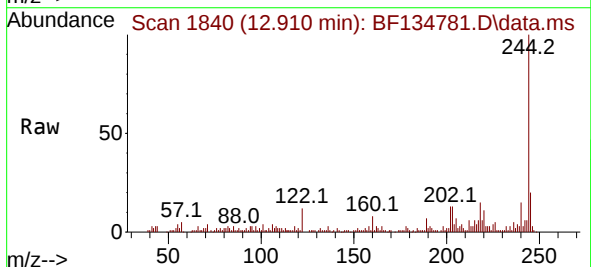
Manual Integrations
APPROVED

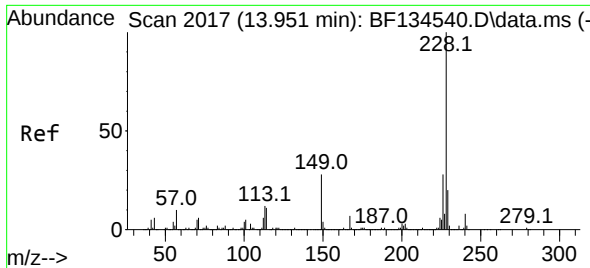
Reviewed By :Yogesh Patel 08/16/2023
Supervised By :Sohil Jodhani 08/16/2023



#79
Terphenyl-d14
Concen: 1.421 ng
RT: 12.910 min Scan# 1840
Delta R.T. -0.012 min
Lab File: BF134781.D
Acq: 15 Aug 2023 12:29

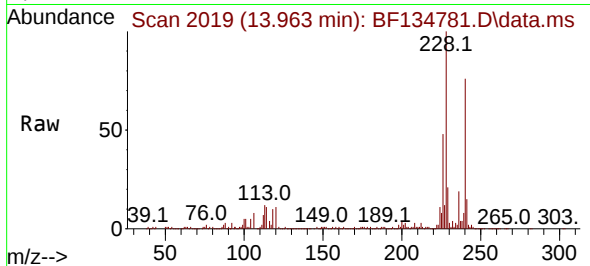
Tgt Ion:244 Resp: 35538
Ion Ratio Lower Upper
244 100
212 6.5 5.6 8.4
122 12.2 8.0 12.0#





#81
Benzo(a)anthracene
Concen: 7.535 ng m
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF134781.D
Acq: 15 Aug 2023 12:29

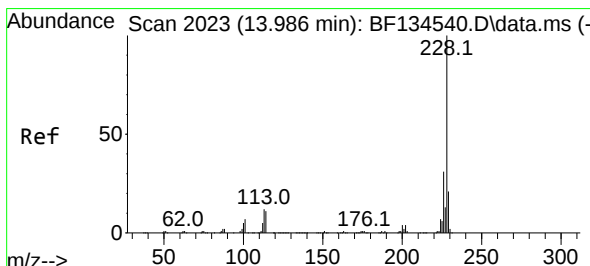
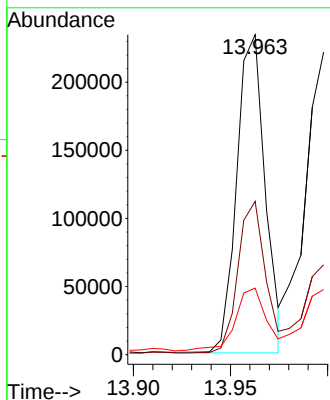
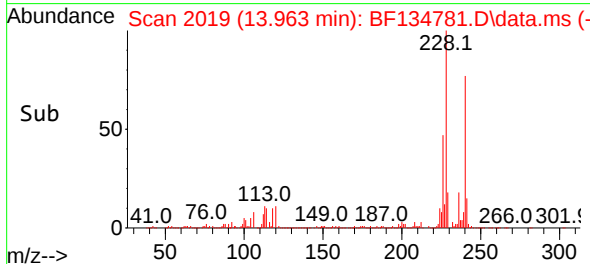
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z82-83DL



Tgt Ion:228 Resp: 237459
Ion Ratio Lower Upper
228 100
226 47.9 22.3 33.5
229 20.8 15.8 23.6

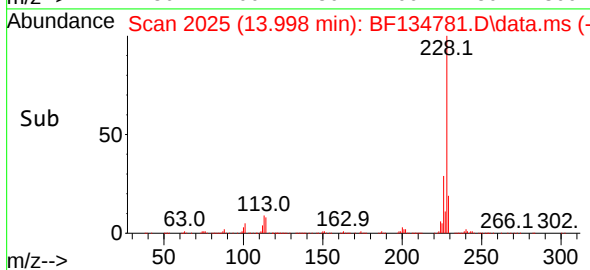
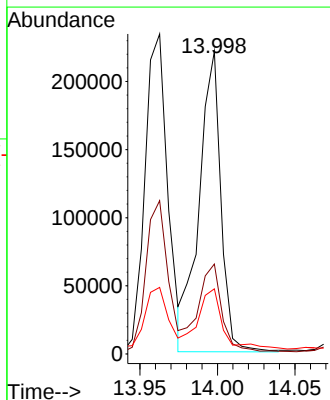
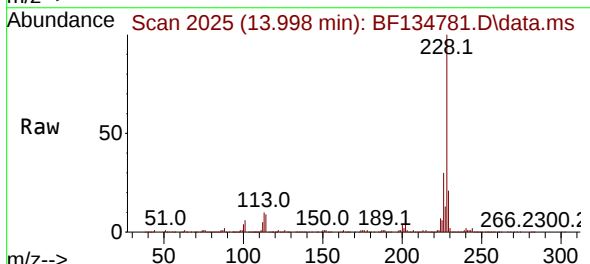
Manual Integrations
APPROVED

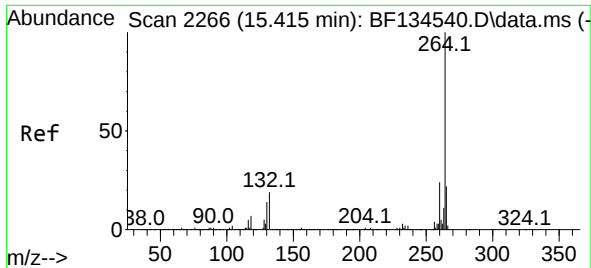
Reviewed By :Yogesh Patel 08/16/2023
Supervised By :Sohil Jodhani 08/16/2023



#83
Chrysene
Concen: 7.064 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF134781.D
Acq: 15 Aug 2023 12:29

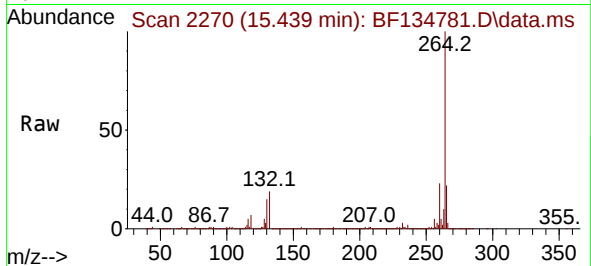
Tgt Ion:228 Resp: 216882
Ion Ratio Lower Upper
228 100
226 29.7 24.5 36.7
229 21.5 15.8 23.8





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.439 min Scan# 2197
 Delta R.T. 0.000 min
 Lab File: BF134781.D
 Acq: 15 Aug 2023 12:29

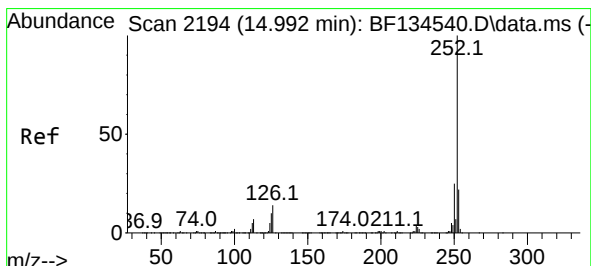
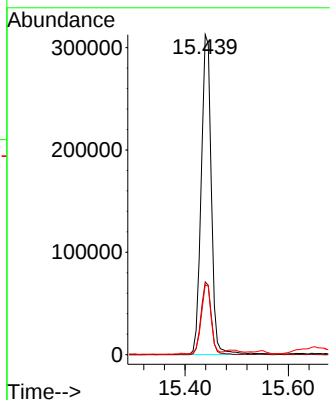
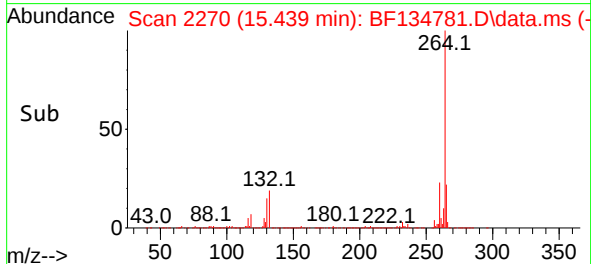
Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB03-Z82-83DL



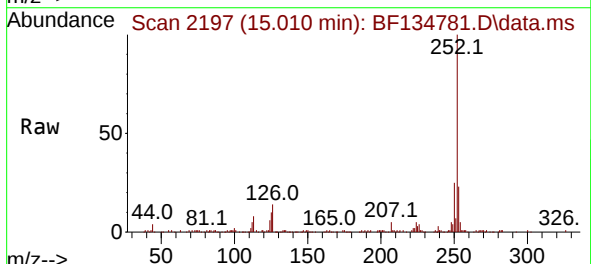
Tgt Ion:264 Resp: 42437
 Ion Ratio Lower Upper
 264 100
 260 22.7 18.4 27.6
 265 21.9 15.8 23.8

Manual Integrations
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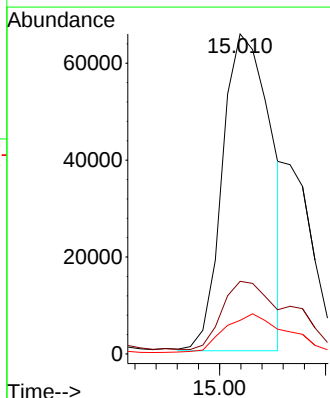
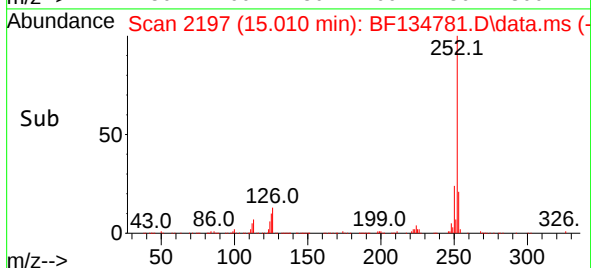
Reviewed By :Yogesh Patel 08/16/2023
 Supervised By :Sohil Jodhani 08/16/2023

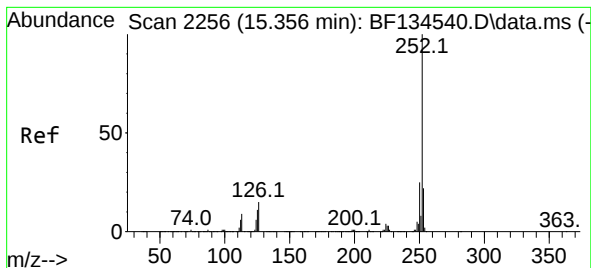


#88
 Benzo(b)fluoranthene
 Concen: 4.024 ng m
 RT: 15.010 min Scan# 2197
 Delta R.T. 0.000 min
 Lab File: BF134781.D
 Acq: 15 Aug 2023 12:29



Tgt Ion:252 Resp: 104152
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.3 25.9
 125 10.5 6.0 9.0#





#90

Benzo(a)pyrene

Concen: 5.315 ng

RT: 15.374 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134781.D

Acq: 15 Aug 2023 12:29

Instrument :

BNA_F

ClientSampleId :

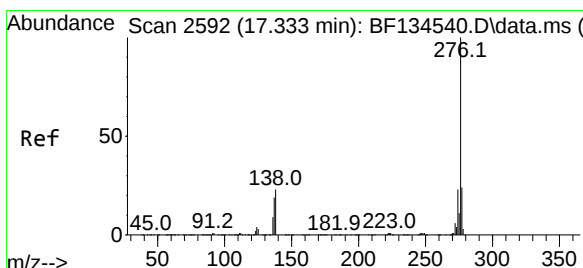
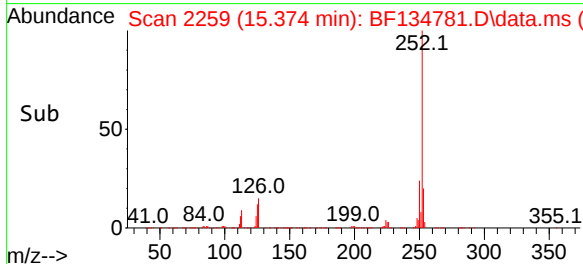
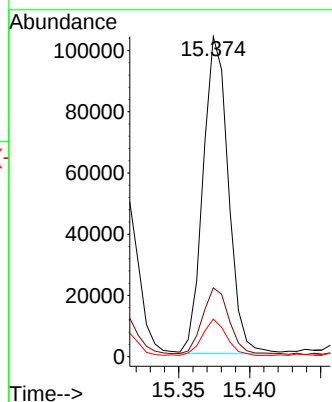
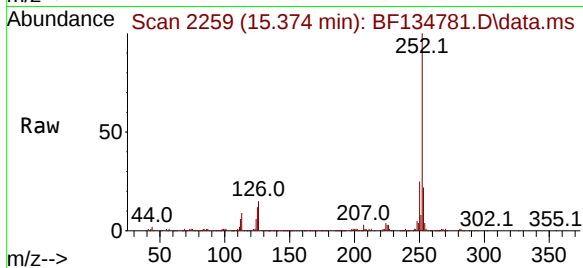
NEVINS-SB03-Z82-83DL

Tgt Ion:252 Resp: 128270
 Ion Ratio Lower Upper
 252 100
 253 21.5 17.0 25.4
 125 11.7 6.2 9.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/16/2023
 Supervised By :Sohil Jodhani 08/16/2023



#92

Benzo(g,h,i)perylene

Concen: 2.009 ng

RT: 17.374 min Scan# 2599

Delta R.T. 0.000 min

Lab File: BF134781.D

Acq: 15 Aug 2023 12:29

Tgt Ion:276 Resp: 41343
 Ion Ratio Lower Upper
 276 100
 277 24.9 19.0 28.6
 138 19.4 12.2 18.2

