

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081423\
 Data File : BF134769.D
 Acq On : 14 Aug 2023 20:22
 Operator : CG\JU
 Sample : 03975-04 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: Aug 15 00:34:24 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	145719	20.000	ng	0.00
21) Naphthalene-d8	8.080	136	542687	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	264039	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	438430	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	263608	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	305105	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	73484	7.666	ng	-0.01
7) Phenol-d6	6.422	99	88289	7.205	ng	-0.02
23) Nitrobenzene-d5	7.357	82	52322	6.025	ng	-0.01
42) 2,4,6-Tribromophenol	10.621	330	18246	6.779	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	108072	6.805	ng	-0.01
79) Terphenyl-d14	12.915	244	93463	6.250	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.110	128	4379383	160.567	ng	97
37) 2-Methylnaphthalene	8.804	142	2090264	115.621	ng	99
38) 1-Methylnaphthalene	8.898	142	1916582	114.007	ng	98
46) 1,1'-Biphenyl	9.257	154	552558	26.911	ng	98
49) Acenaphthylene	9.698	152	343442	14.201	ng	# 87
52) Acenaphthene	9.874	154	1514293	96.624	ng	99
55) Dibenzofuran	10.039	168	169999	7.620	ng	# 86
58) Fluorene	10.386	166	1086140	66.838	ng	96
71) Phenanthrene	11.363	178	3416845	146.724	ng	98
72) Anthracene	11.404	178	1316783	55.357	ng	98
75) Fluoranthene	12.545	202	1370941	55.731	ng	95
78) Pyrene	12.780	202	1897633	83.192	ng	97
81) Benzo(a)anthracene	13.962	228	755169m	40.064	ng	
83) Chrysene	14.004	228	665896	36.261	ng	98
87) Indeno(1,2,3-cd)pyrene	16.933	276	136605	7.613	ng	# 95
88) Benzo(b)fluoranthene	15.015	252	393573m	21.151	ng	
89) Benzo(k)fluoranthene	15.039	252	122408m	6.604	ng	
90) Benzo(a)pyrene	15.380	252	474687	27.360	ng	# 95
91) Dibenzo(a,h)anthracene	16.939	278	43016	2.966	ng	# 89
92) Benzo(g,h,i)perylene	17.386	276	137831	9.318	ng	# 94

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

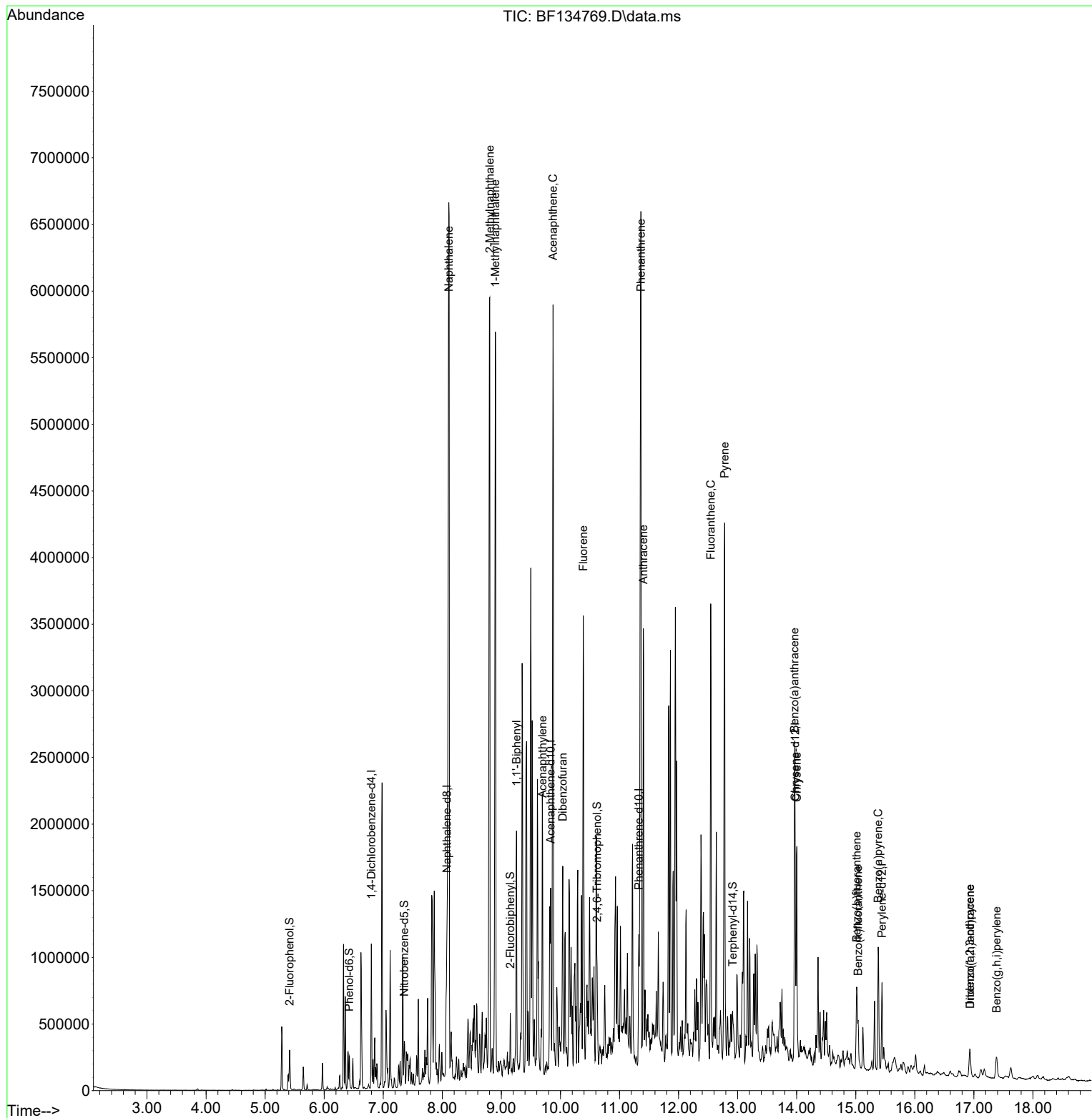
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081423\
Data File : BF134769.D
Acq On : 14 Aug 2023 20:22
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ALS Vial : 20 Sample Multiplier: 1

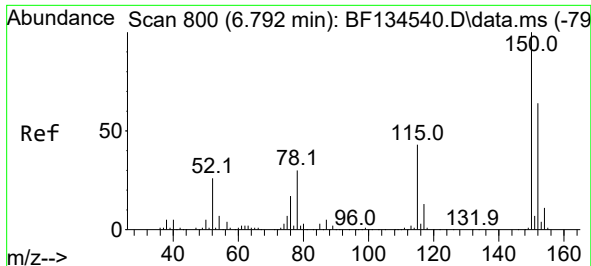
Instrument :
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NEVINS-SB03-Z82-83

Quant Time: Aug 15 00:34:24 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
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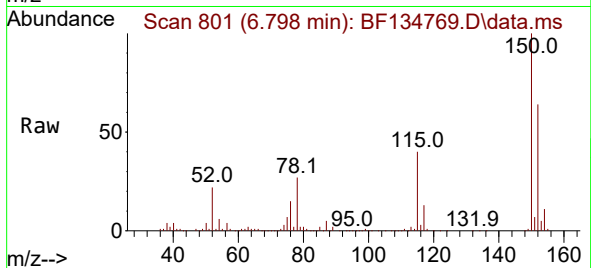
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134769.D
Acq: 14 Aug 2023 20:22

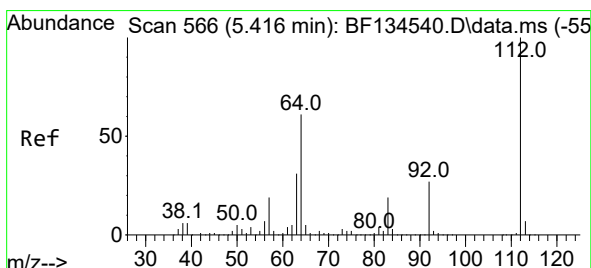
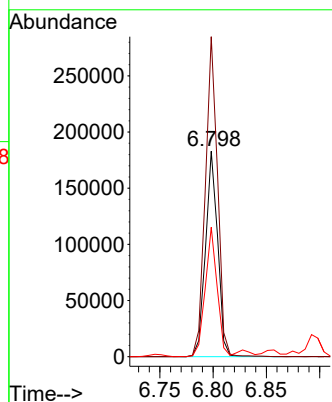
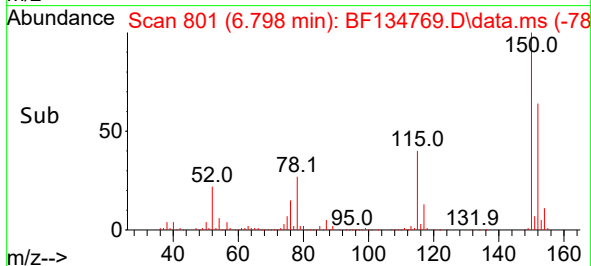
Instrument :
BNA_F
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Tgt Ion:152 Resp: 145719
Ion Ratio Lower Upper
152 100
150 155.7 128.3 192.5
115 63.0 52.4 78.6

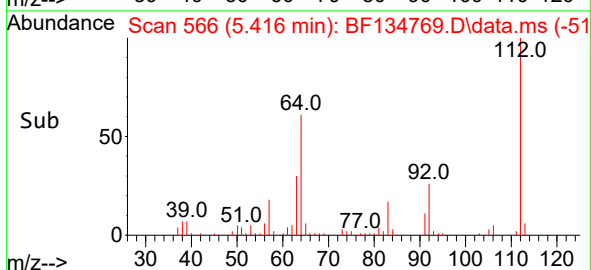
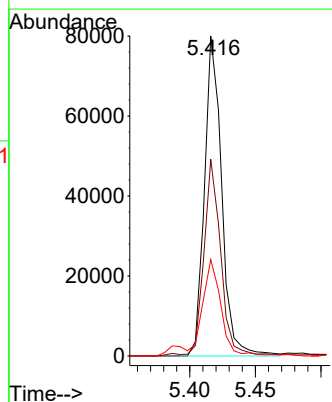
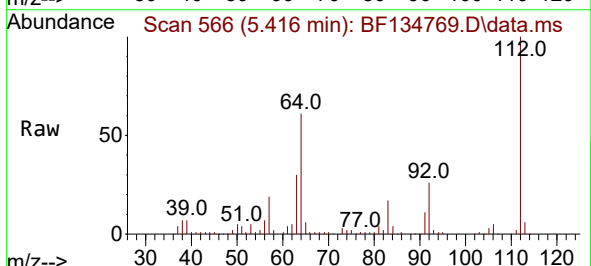
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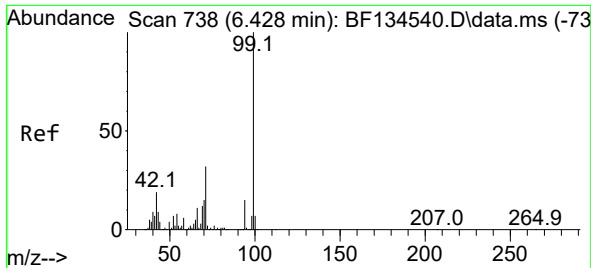
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#5
2-Fluorophenol
Concen: 7.666 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.012 min
Lab File: BF134769.D
Acq: 14 Aug 2023 20:22

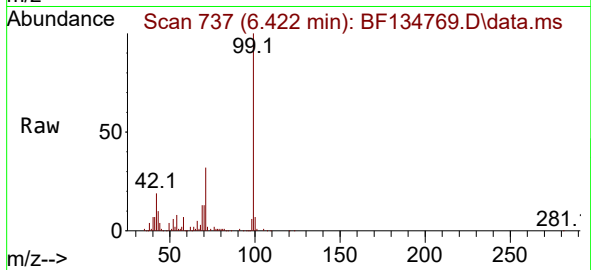
Tgt Ion:112 Resp: 73484
Ion Ratio Lower Upper
112 100
64 61.4 44.9 67.3
63 30.1 25.4 38.0





#7
Phenol-d6
Concen: 7.205 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF134769.D
Acq: 14 Aug 2023 20:22

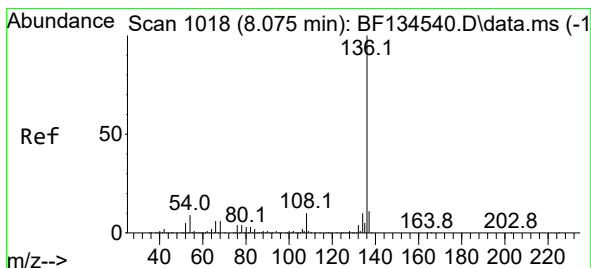
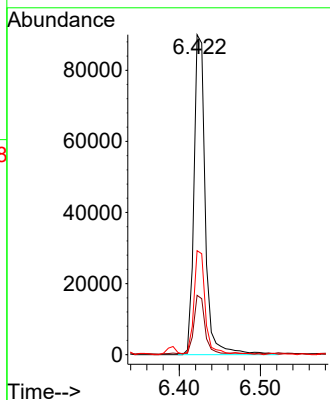
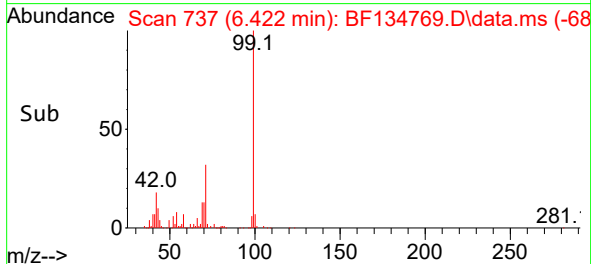
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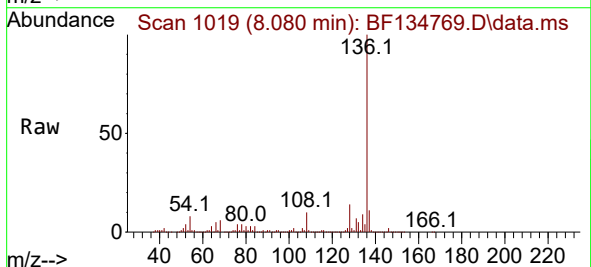
Tgt Ion: 99 Resp: 88289
Ion Ratio Lower Upper
99 100
42 18.6 18.7 28.1#
71 32.5 36.4 54.6#

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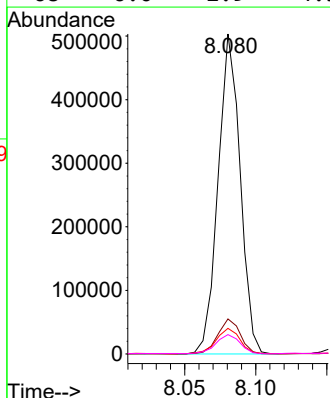
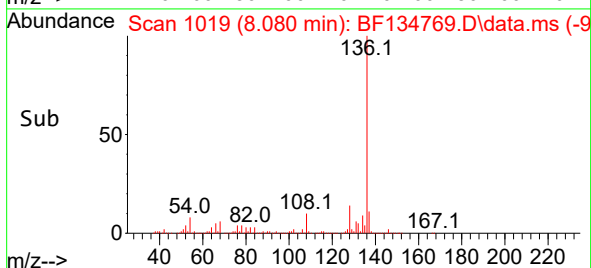
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

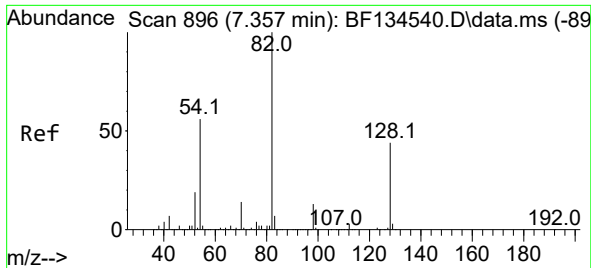


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.080 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF134769.D
Acq: 14 Aug 2023 20:22



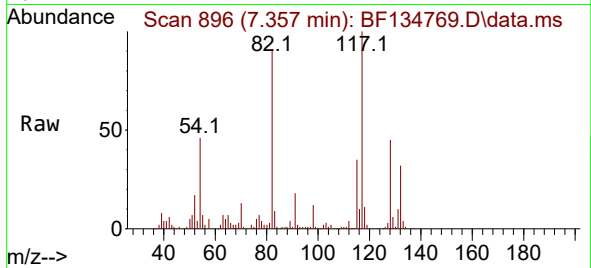
Tgt Ion:136 Resp: 542687
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 8.0 5.2 7.8#
68 6.0 2.9 4.3#





#23
Nitrobenzene-d5
Concen: 6.025 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF134769.D
Acq: 14 Aug 2023 20:22

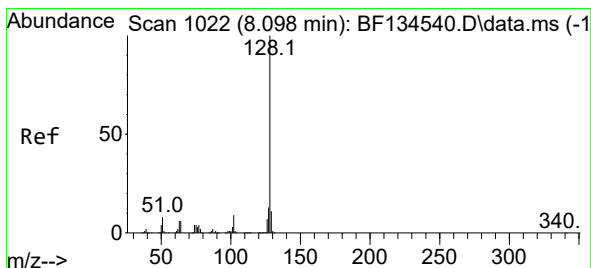
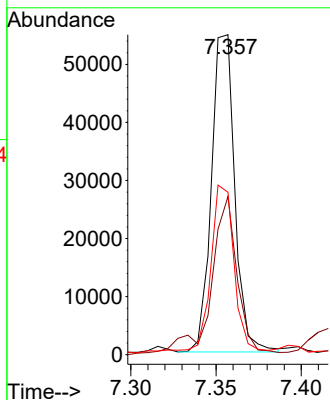
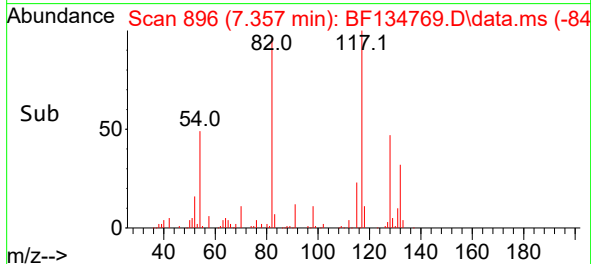
Instrument :
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Tgt Ion: 82 Resp: 5232
Ion Ratio Lower Upper
82 100
128 49.4 34.3 51.5
54 50.8 43.8 65.6

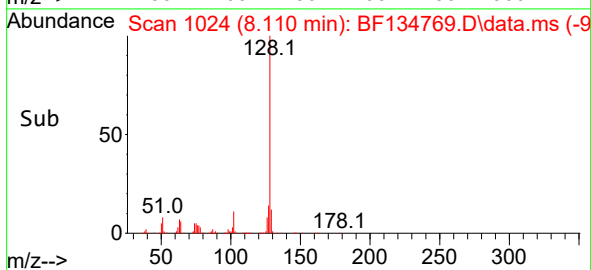
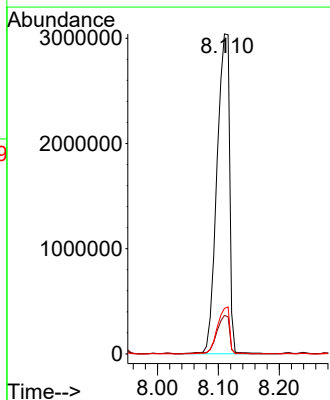
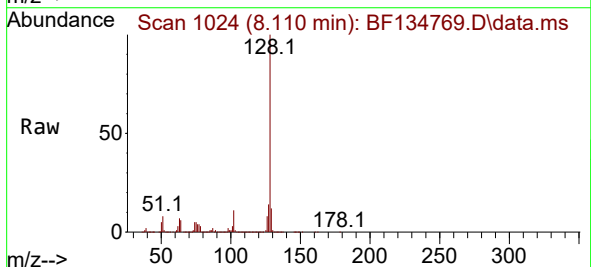
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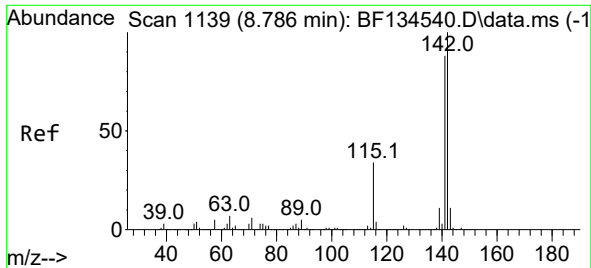
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#31
Naphthalene
Concen: 160.567 ng
RT: 8.110 min Scan# 1024
Delta R.T. 0.006 min
Lab File: BF134769.D
Acq: 14 Aug 2023 20:22

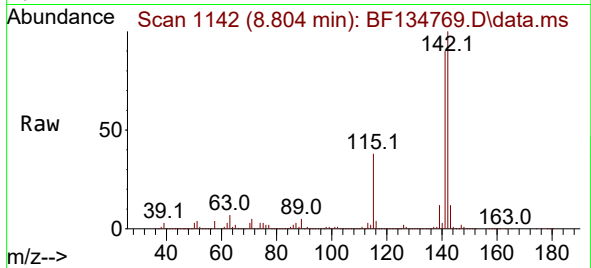
Tgt Ion:128 Resp: 4379383
Ion Ratio Lower Upper
128 100
129 12.1 8.4 12.6
127 14.3 10.7 16.1





#37
2-Methylnaphthalene
Concen: 115.621 ng
RT: 8.804 min Scan# 1142
Delta R.T. 0.012 min
Lab File: BF134769.D
Acq: 14 Aug 2023 20:22

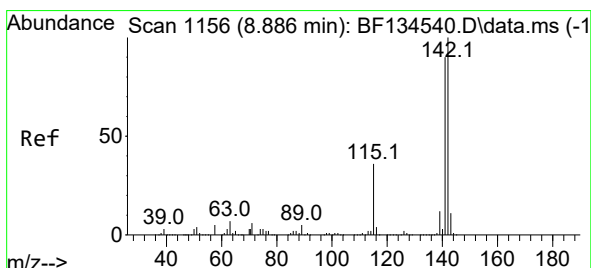
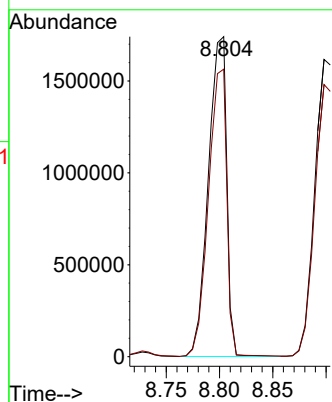
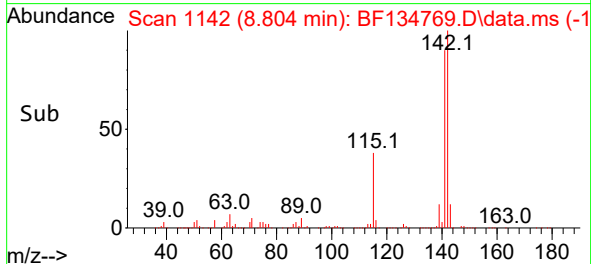
Instrument :
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ClientSampleId :
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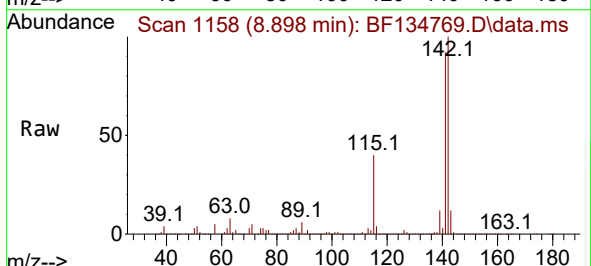
Tgt Ion:142 Resp: 2090264
Ion Ratio Lower Upper
142 100
141 89.9 70.8 106.2

Manual Integrations
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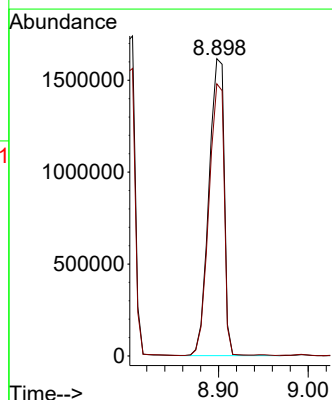
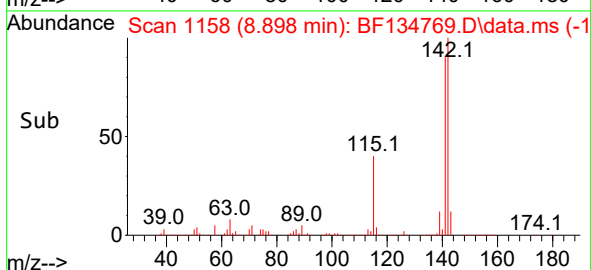
Reviewed By :Yogesh Patel 08/15/2023
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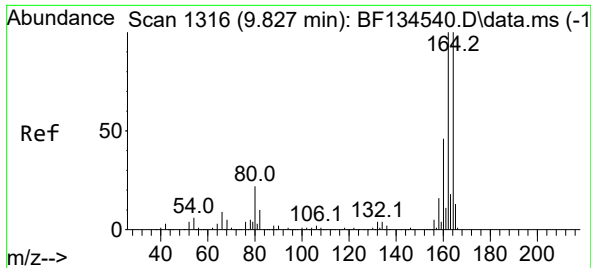


#38
1-Methylnaphthalene
Concen: 114.007 ng
RT: 8.898 min Scan# 1158
Delta R.T. 0.006 min
Lab File: BF134769.D
Acq: 14 Aug 2023 20:22



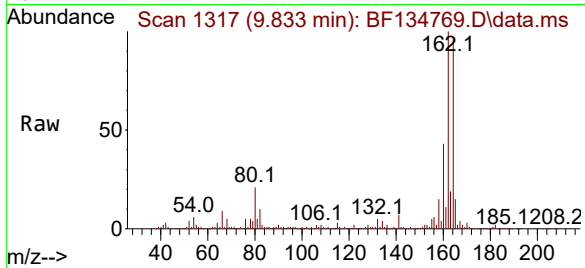
Tgt Ion:142 Resp: 1916582
Ion Ratio Lower Upper
142 100
141 91.5 71.4 107.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1316
Delta R.T. -0.000 min
Lab File: BF134769.D
Acq: 14 Aug 2023 20:22

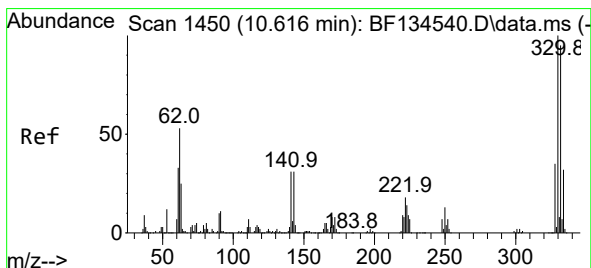
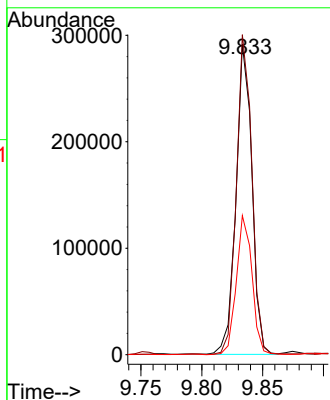
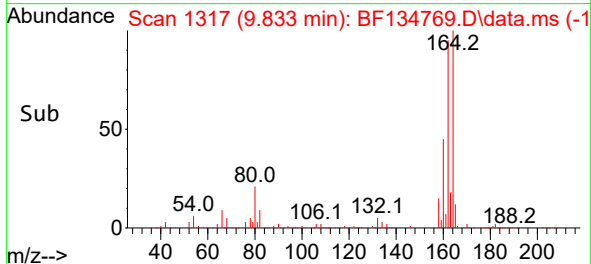
Instrument :
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ClientSampleId :
NEVINS-SB03-Z82-83



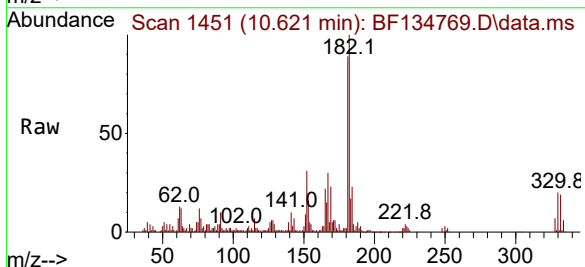
Tgt Ion:164 Resp: 264039
Ion Ratio Lower Upper
164 100
162 103.1 82.6 123.8
160 44.8 37.2 55.8

Manual Integrations
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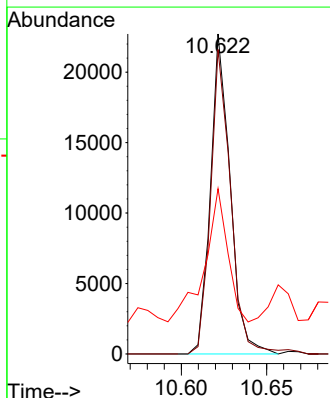
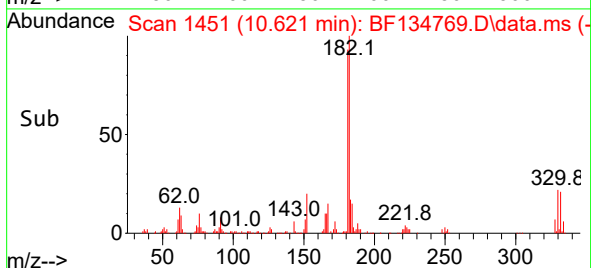
Reviewed By :Yogesh Patel 08/15/2023
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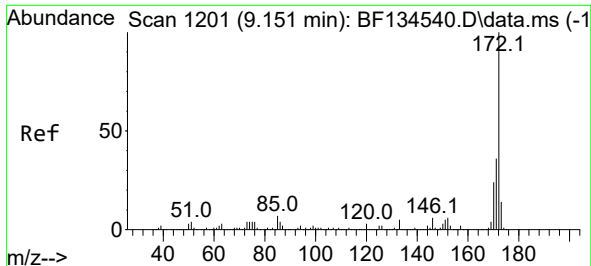


#42
2,4,6-Tribromophenol
Concen: 6.779 ng
RT: 10.621 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134769.D
Acq: 14 Aug 2023 20:22



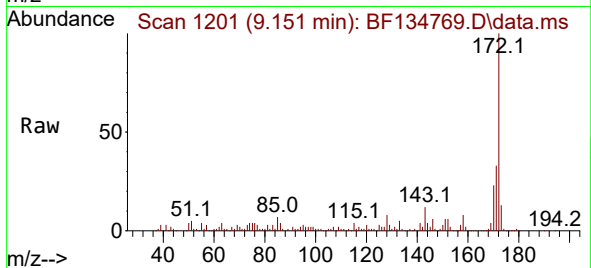
Tgt Ion:330 Resp: 18246
Ion Ratio Lower Upper
330 100
332 97.3 78.8 118.2
141 48.3 25.4 38.2#





#45
2-Fluorobiphenyl
Concen: 6.805 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF134769.D
Acq: 14 Aug 2023 20:22

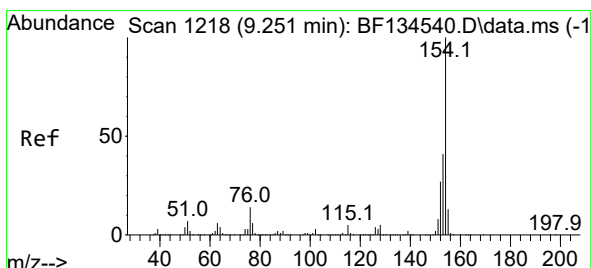
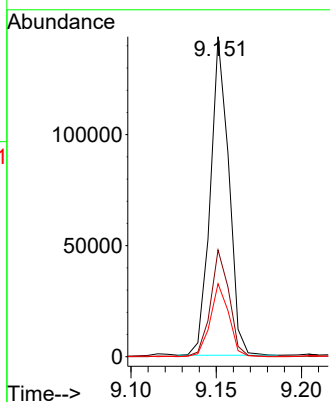
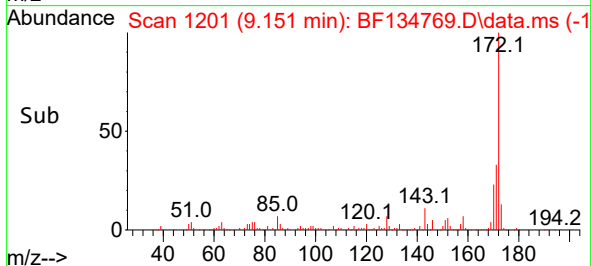
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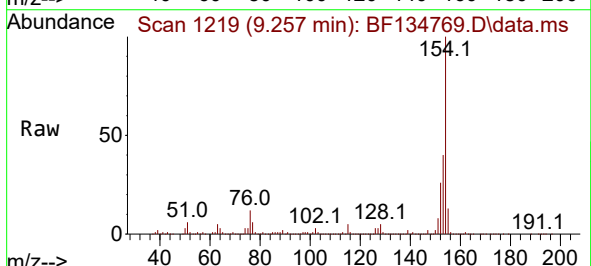
Tgt Ion:172 Resp: 108072
Ion Ratio Lower Upper
172 100
171 33.3 28.8 43.2
170 22.8 18.7 28.1

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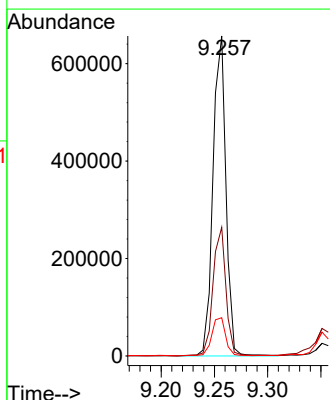
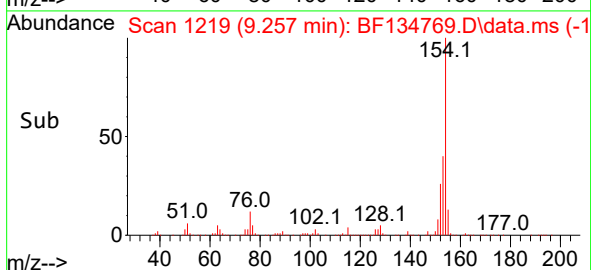
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

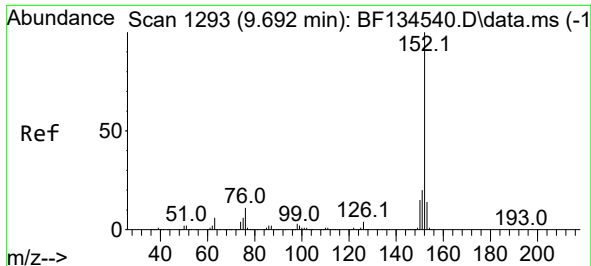


#46
1,1'-Biphenyl
Concen: 26.911 ng
RT: 9.257 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF134769.D
Acq: 14 Aug 2023 20:22



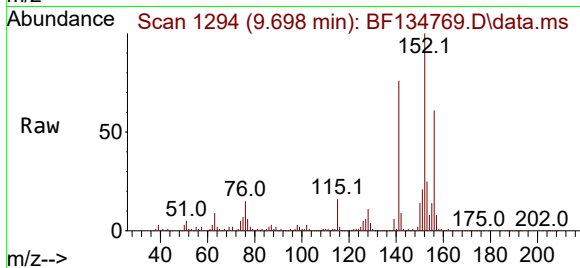
Tgt Ion:154 Resp: 552558
Ion Ratio Lower Upper
154 100
153 40.2 20.8 60.8
76 11.9 0.0 30.2





#49
Acenaphthylene
Concen: 14.201 ng
RT: 9.698 min Scan# 1293
Delta R.T. -0.000 min
Lab File: BF134769.D
Acq: 14 Aug 2023 20:22

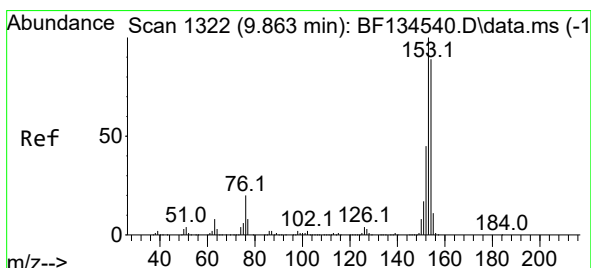
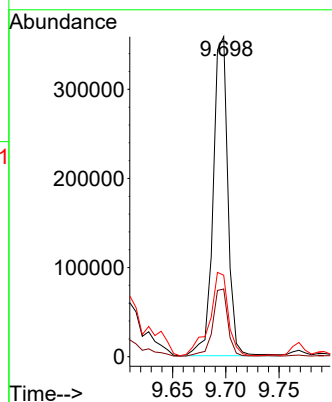
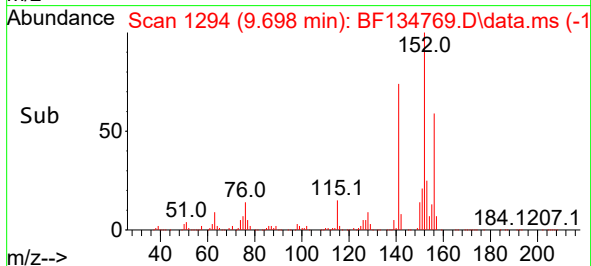
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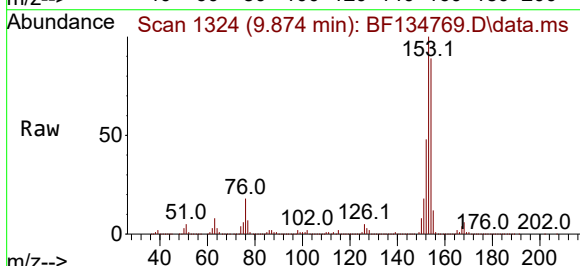
Tgt Ion:152 Resp: 34344
Ion Ratio Lower Upper
152 100
151 21.1 16.4 24.6
153 25.5 10.9 16.3

Manual Integrations
APPROVED

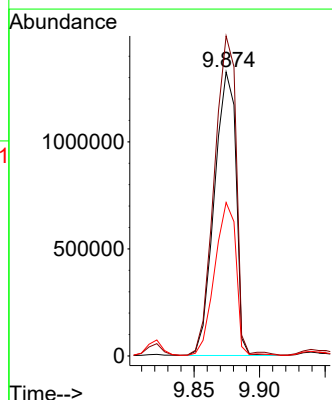
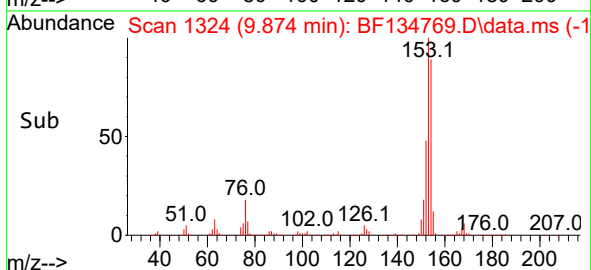
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

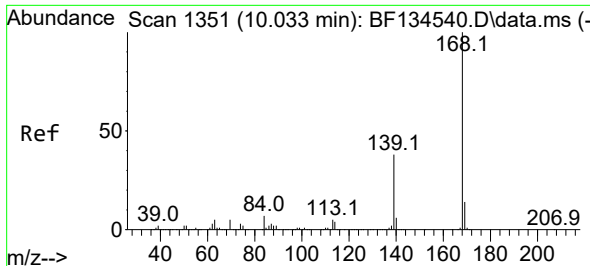


#52
Acenaphthene
Concen: 96.624 ng
RT: 9.874 min Scan# 1324
Delta R.T. -0.000 min
Lab File: BF134769.D
Acq: 14 Aug 2023 20:22



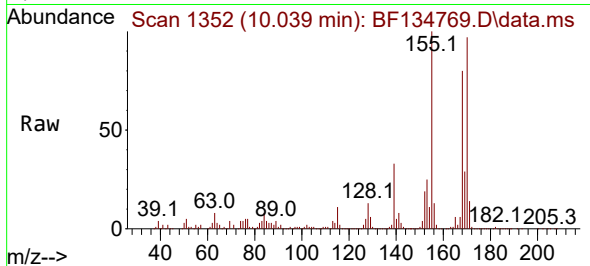
Tgt Ion:154 Resp: 1514293
Ion Ratio Lower Upper
154 100
153 112.7 90.0 135.0
152 54.1 42.4 63.6





#55
Dibenzofuran
Concen: 7.620 ng
RT: 10.039 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134769.D
Acq: 14 Aug 2023 20:22

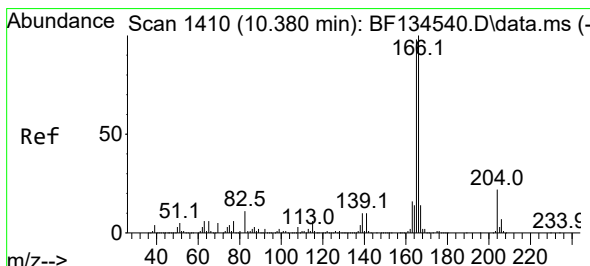
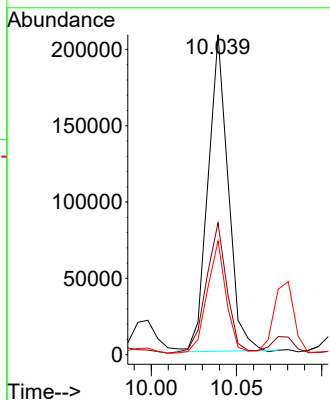
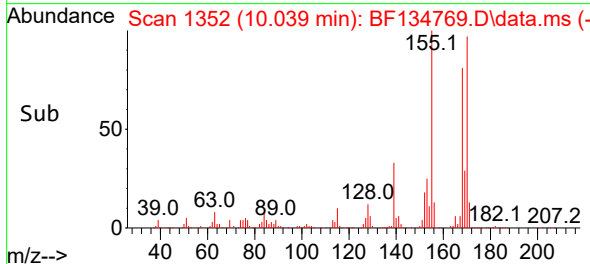
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z82-83



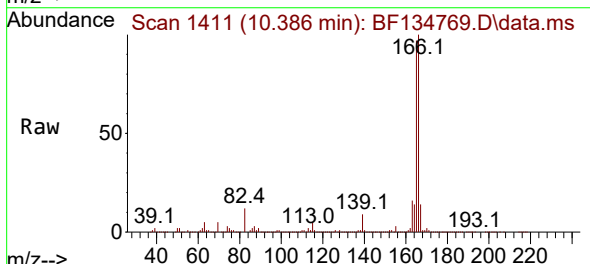
Tgt Ion:168 Resp: 169999
Ion Ratio Lower Upper
168 100
139 41.2 33.4 50.2
169 35.5 10.6 15.8

Manual Integrations
APPROVED

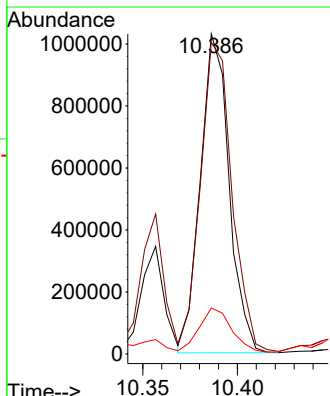
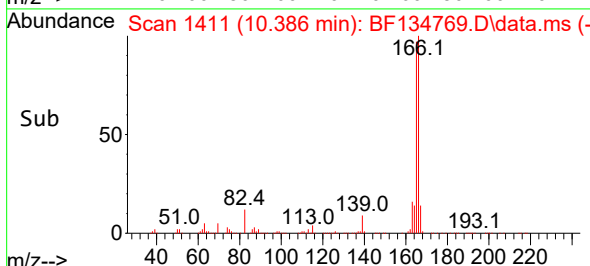
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

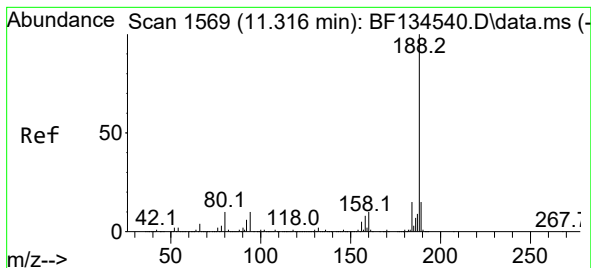


#58
Fluorene
Concen: 66.838 ng
RT: 10.386 min Scan# 1411
Delta R.T. -0.000 min
Lab File: BF134769.D
Acq: 14 Aug 2023 20:22



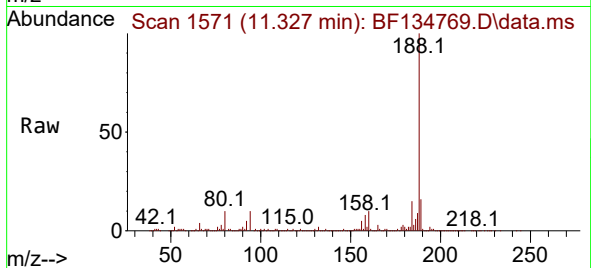
Tgt Ion:166 Resp: 1086140
Ion Ratio Lower Upper
166 100
165 97.5 74.5 111.7
167 14.3 10.6 16.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1569
Delta R.T. 0.006 min
Lab File: BF134769.D
Acq: 14 Aug 2023 20:22

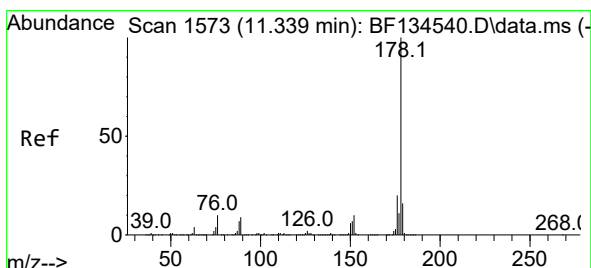
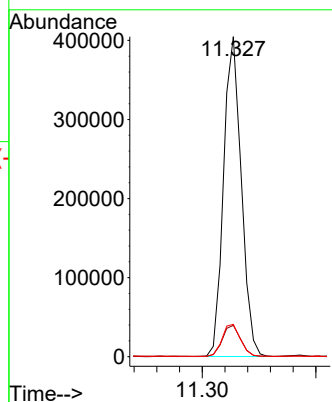
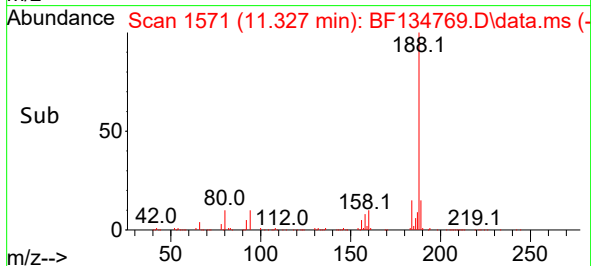
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z82-83



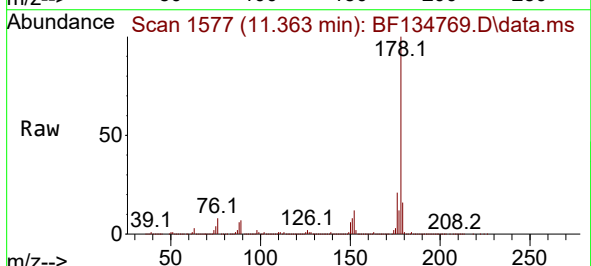
Tgt Ion:188 Resp: 438430
Ion Ratio Lower Upper
188 100
94 9.8 5.1 7.7
80 10.1 6.6 9.8

Manual Integrations
APPROVED

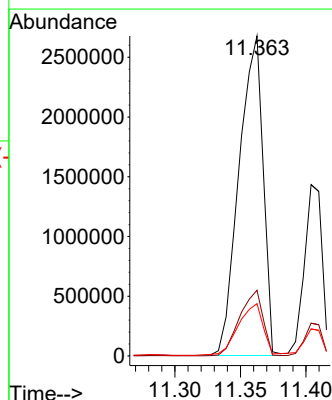
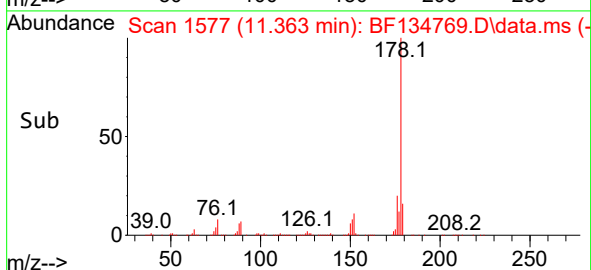
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

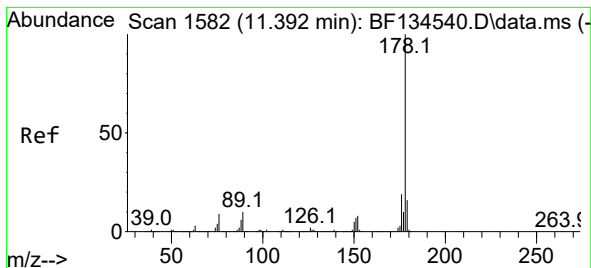


#71
Phenanthrene
Concen: 146.724 ng
RT: 11.363 min Scan# 1577
Delta R.T. 0.012 min
Lab File: BF134769.D
Acq: 14 Aug 2023 20:22



Tgt Ion:178 Resp: 3416845
Ion Ratio Lower Upper
178 100
176 20.6 15.8 23.6
179 16.4 12.7 19.1





#72

Anthracene

Concen: 55.357 ng

RT: 11.404 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF134769.D

Acq: 14 Aug 2023 20:22

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB03-Z82-83

Tgt Ion:178 Resp: 131678

Ion Ratio Lower Upper

178 100

176 19.2 14.6 21.8

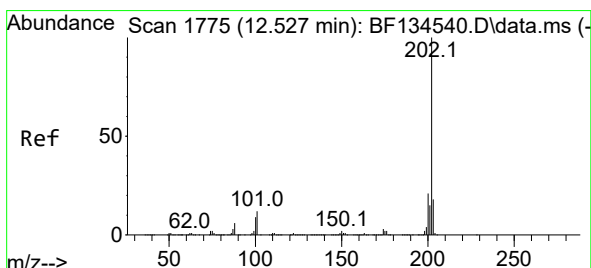
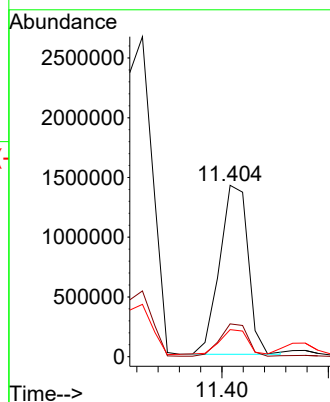
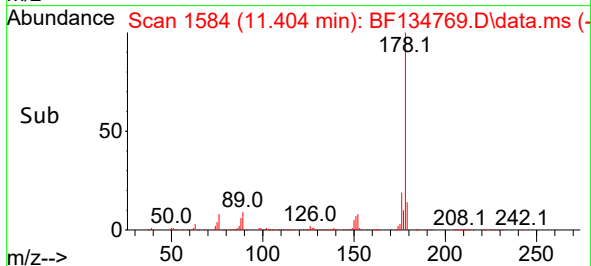
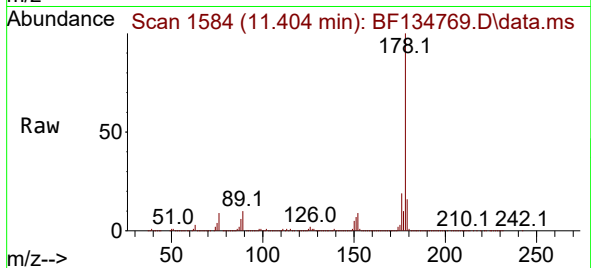
179 15.8 12.3 18.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/15/2023

Supervised By :Sohil Jodhani 08/15/2023



#75

Fluoranthene

Concen: 55.731 ng

RT: 12.545 min Scan# 1778

Delta R.T. 0.006 min

Lab File: BF134769.D

Acq: 14 Aug 2023 20:22

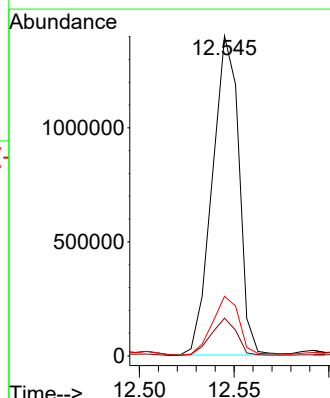
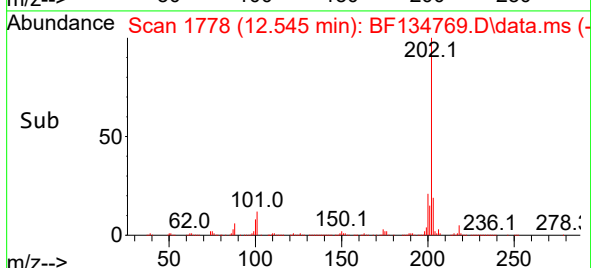
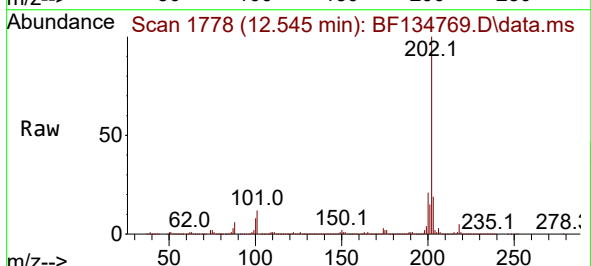
Tgt Ion:202 Resp: 1370941

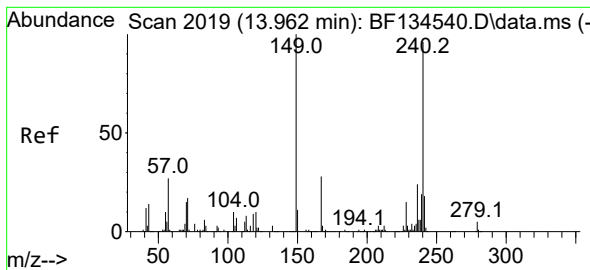
Ion Ratio Lower Upper

202 100

101 11.8 0.0 28.5

203 18.7 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 2019

Delta R.T. -0.000 min

Lab File: BF134769.D

Acq: 14 Aug 2023 20:22

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB03-Z82-83

Tgt Ion:240 Resp: 263608

Ion Ratio Lower Upper

240 100

120 11.6 6.6 10.0

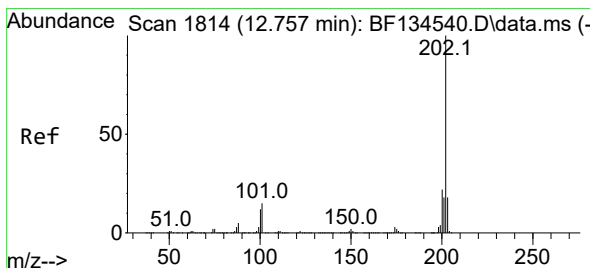
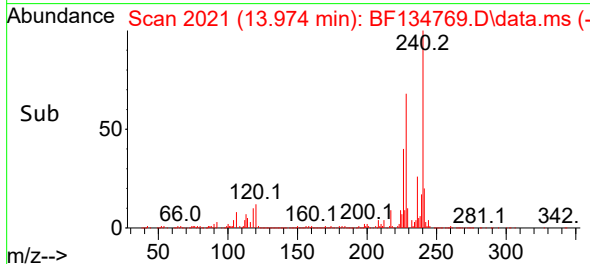
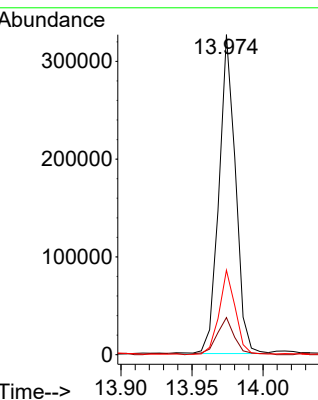
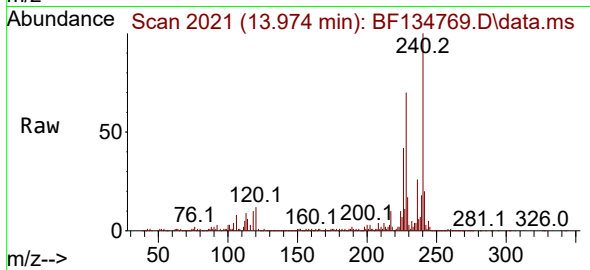
236 26.4 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/15/2023

Supervised By :Sohil Jodhani 08/15/2023



#78

Pyrene

Concen: 83.192 ng

RT: 12.780 min Scan# 1818

Delta R.T. 0.012 min

Lab File: BF134769.D

Acq: 14 Aug 2023 20:22

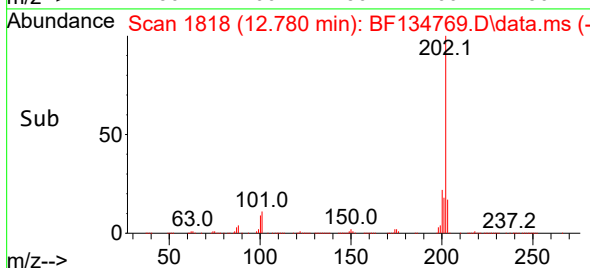
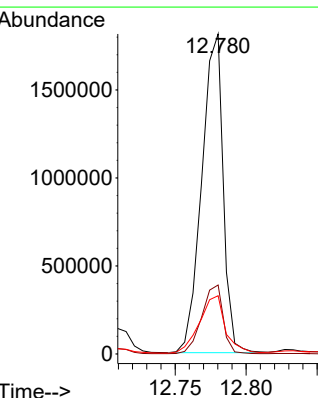
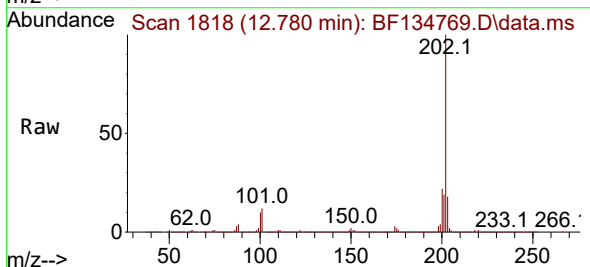
Tgt Ion:202 Resp: 1897633

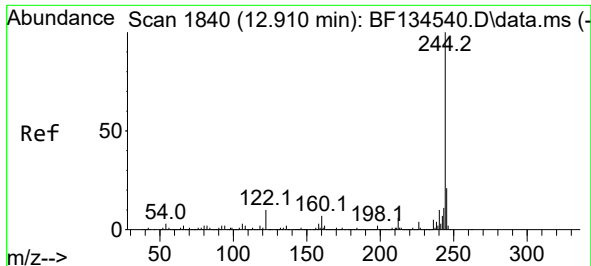
Ion Ratio Lower Upper

202 100

200 21.6 15.8 23.8

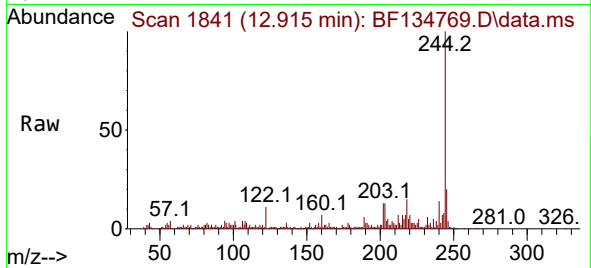
203 18.2 13.5 20.3





#79
Terphenyl-d14
Concen: 6.250 ng
RT: 12.915 min Scan# 1840
Delta R.T. -0.006 min
Lab File: BF134769.D
Acq: 14 Aug 2023 20:22

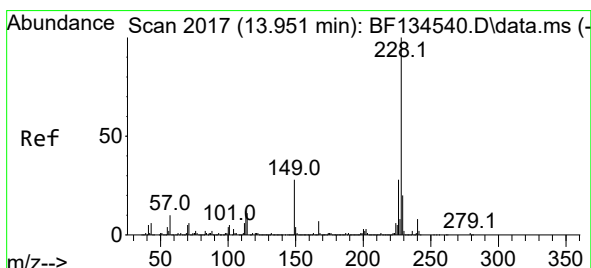
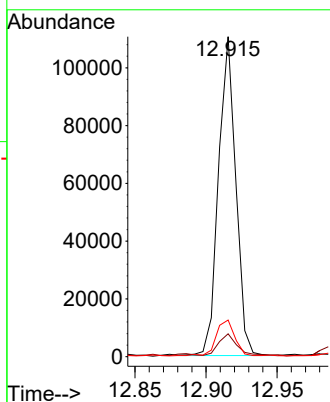
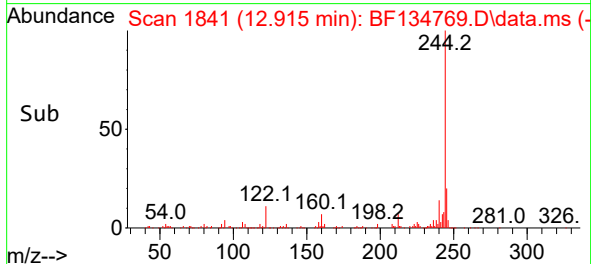
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z82-83



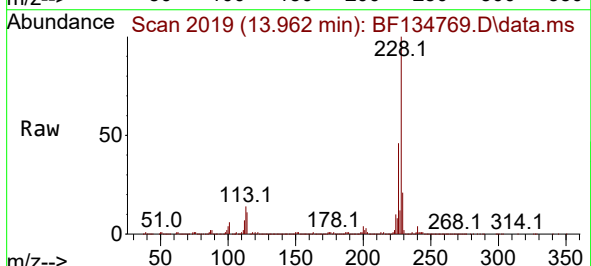
Tgt Ion:244 Resp: 93461
Ion Ratio Lower Upper
244 100
212 7.2 5.6 8.4
122 11.5 8.0 12.0

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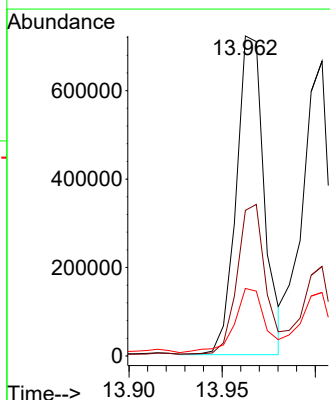
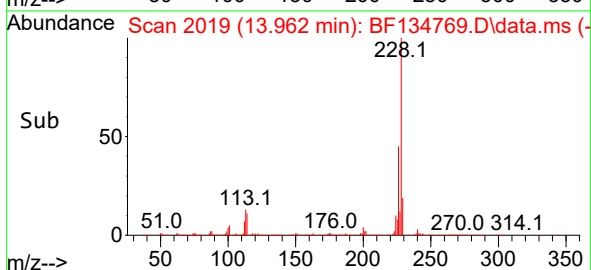
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

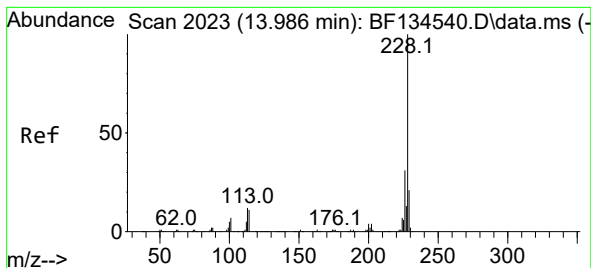


#81
Benzo(a)anthracene
Concen: 40.064 ng m
RT: 13.962 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF134769.D
Acq: 14 Aug 2023 20:22



Tgt Ion:228 Resp: 755169
Ion Ratio Lower Upper
228 100
226 45.5 22.3 33.5#
229 21.1 15.8 23.6





#83

Chrysene

Concen: 36.261 ng

RT: 14.004 min Scan# 2026

Delta R.T. 0.006 min

Lab File: BF134769.D

Acq: 14 Aug 2023 20:22

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB03-Z82-83

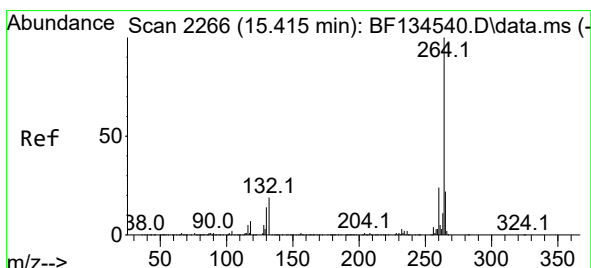
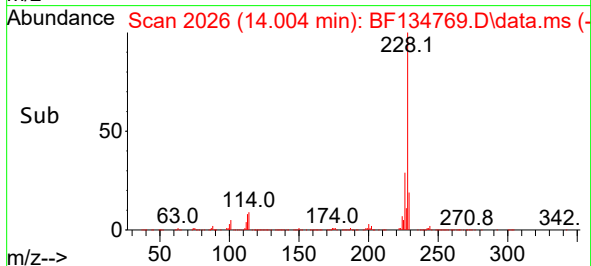
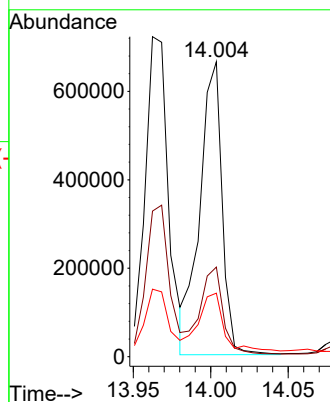
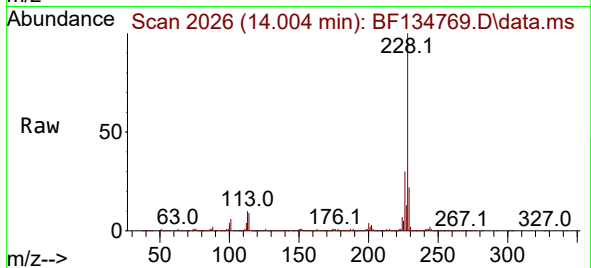
Tgt Ion:228 Resp: 665890

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.5	36.7
229	21.5	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: 15.445 min Scan# 2271

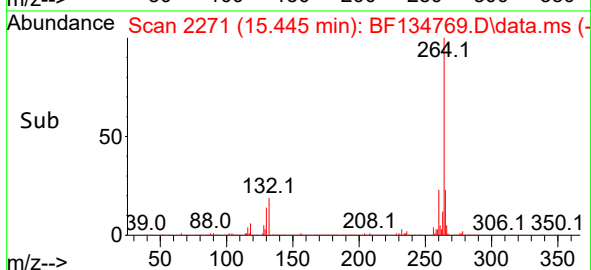
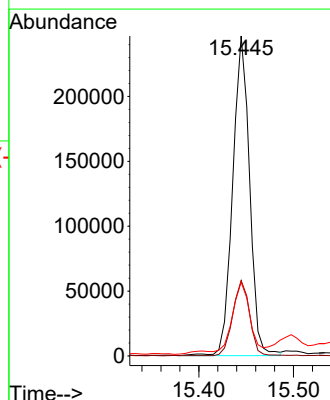
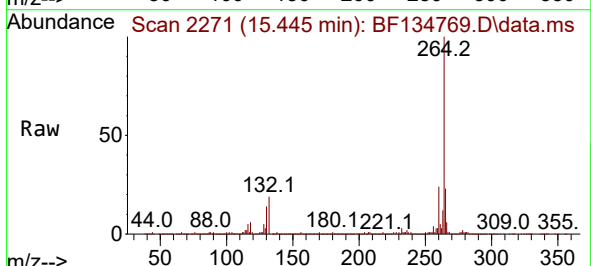
Delta R.T. 0.006 min

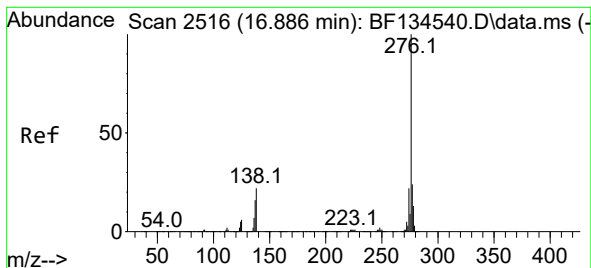
Lab File: BF134769.D

Acq: 14 Aug 2023 20:22

Tgt Ion:264 Resp: 305105

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.4	27.6
265	23.1	15.8	23.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.613 ng

RT: 16.933 min Scan# 2198

Delta R.T. 0.006 min

Lab File: BF134769.D

Acq: 14 Aug 2023 20:22

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB03-Z82-83

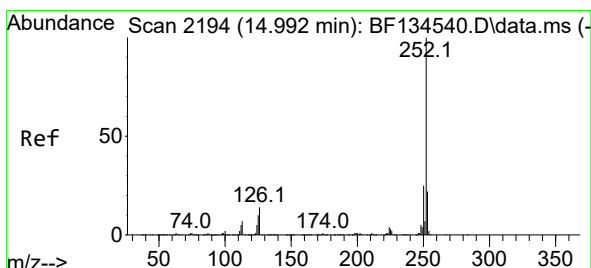
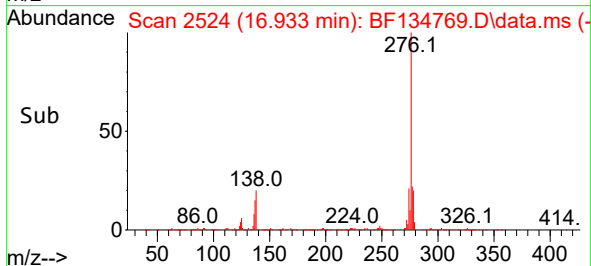
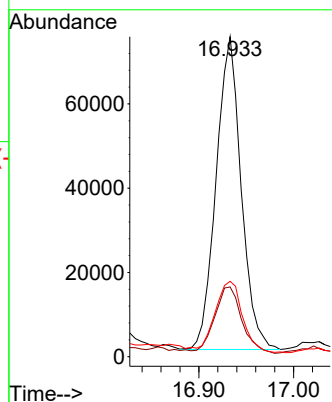
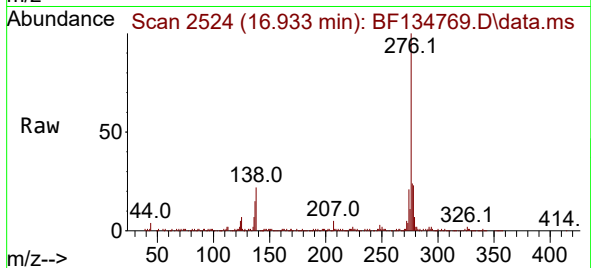
Tgt Ion:	276	Resp:	13660
Ion Ratio	Lower	Upper	
276	100		
138	23.0	14.2	21.4
277	24.8	19.9	29.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/15/2023

Supervised By :Sohil Jodhani 08/15/2023



#88

Benzo(b)fluoranthene

Concen: 21.151 ng m

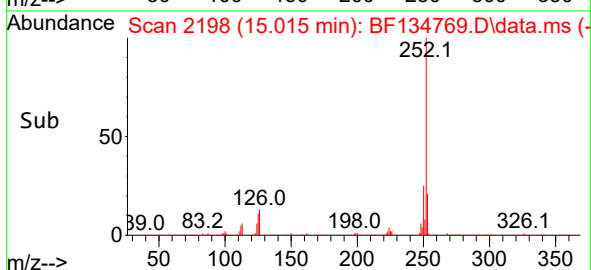
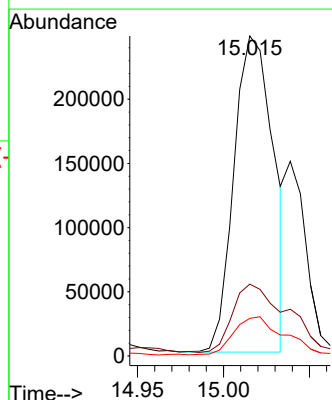
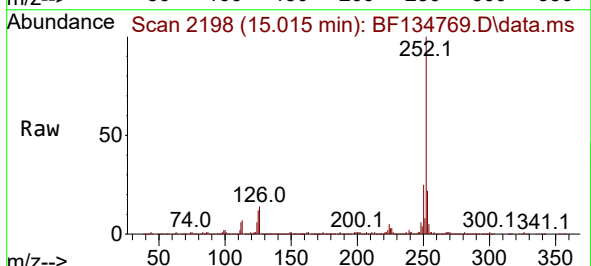
RT: 15.015 min Scan# 2198

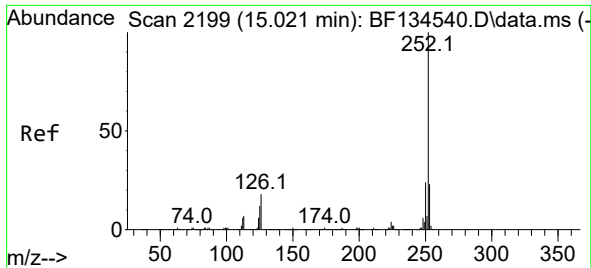
Delta R.T. 0.006 min

Lab File: BF134769.D

Acq: 14 Aug 2023 20:22

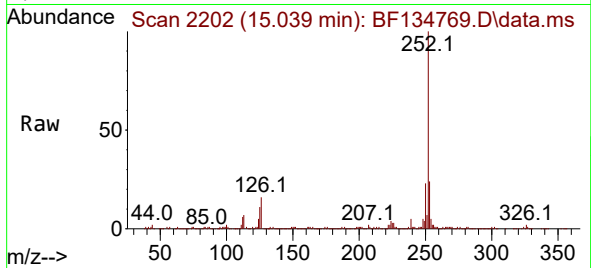
Tgt Ion:	252	Resp:	393573
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.3	25.9
125	11.8	6.0	9.0





#89
Benzo(k)fluoranthene
Concen: 6.604 ng m
RT: 15.039 min Scan# 2199
Delta R.T. -0.000 min
Lab File: BF134769.D
Acq: 14 Aug 2023 20:22

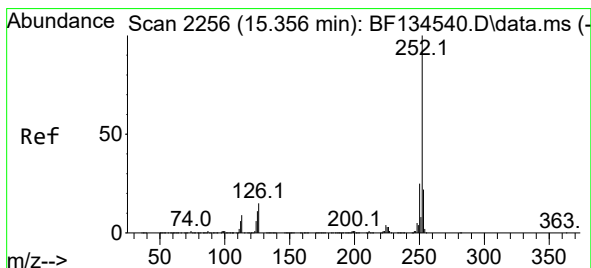
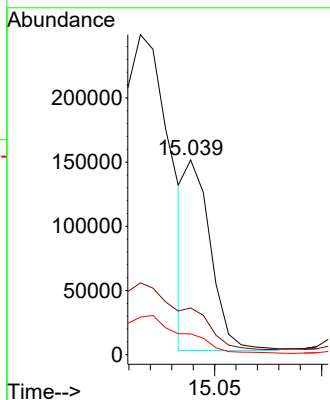
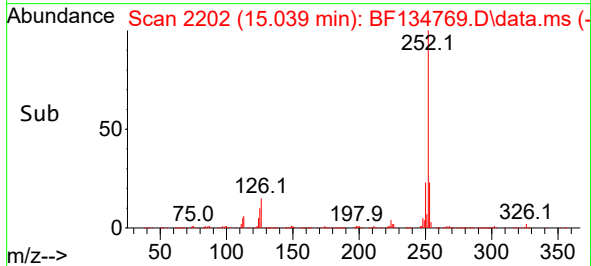
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z82-83



Tgt Ion:252 Resp: 122408
Ion Ratio Lower Upper
252 100
253 24.0 17.9 26.9
125 10.7 6.3 9.5

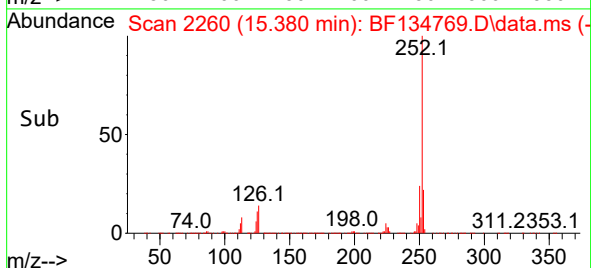
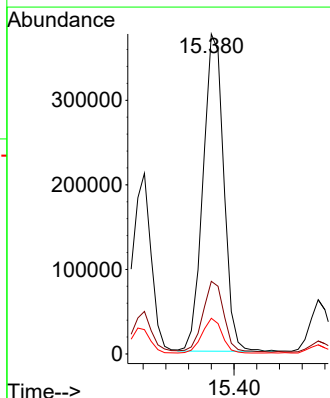
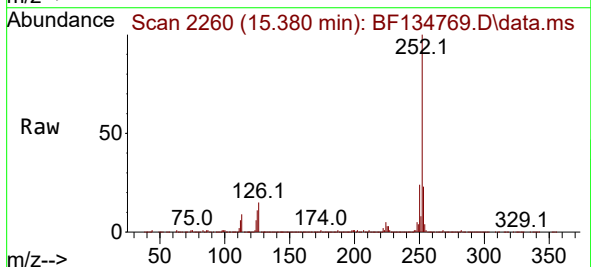
Manual Integrations
APPROVED

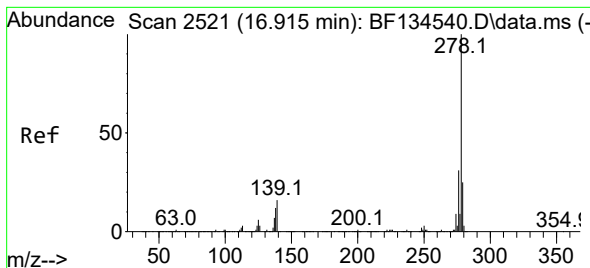
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#90
Benzo(a)pyrene
Concen: 27.360 ng
RT: 15.380 min Scan# 2260
Delta R.T. -0.000 min
Lab File: BF134769.D
Acq: 14 Aug 2023 20:22

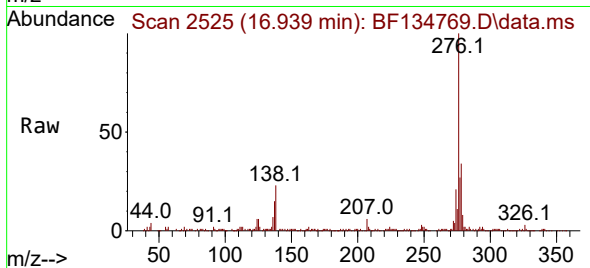
Tgt Ion:252 Resp: 474687
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.4
125 11.2 6.2 9.4





#91
Dibenzo(a,h)anthracene
Concen: 2.966 ng
RT: 16.939 min Scan# 2521
Delta R.T. -0.012 min
Lab File: BF134769.D
Acq: 14 Aug 2023 20:22

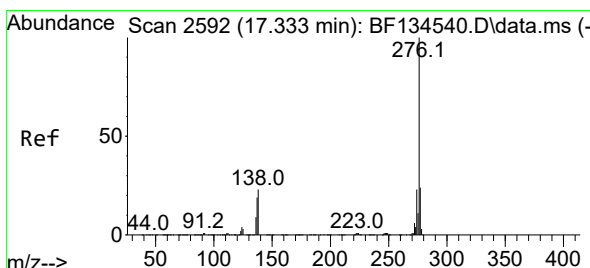
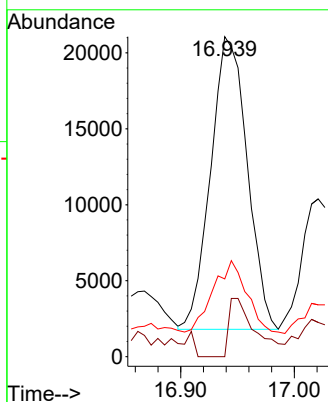
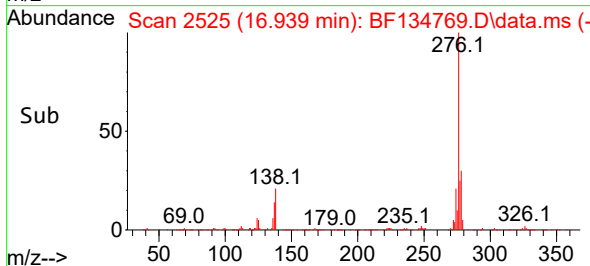
Instrument : BNA_F
ClientSampleId : NEVINS-SB03-Z82-83



Tgt Ion: 278 Resp: 43010
Ion Ratio Lower Upper
278 100
139 0.0 10.0 15.0
279 24.3 19.7 29.5

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 9.318 ng
RT: 17.386 min Scan# 2601
Delta R.T. 0.012 min
Lab File: BF134769.D
Acq: 14 Aug 2023 20:22

Tgt Ion: 276 Resp: 137831
Ion Ratio Lower Upper
276 100
277 23.7 19.0 28.6
138 21.9 12.2 18.2#

