

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081423\
 Data File : BF134751.D
 Acq On : 14 Aug 2023 10:31
 Operator : CG\JU
 Sample : 03958-02DL 50X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB02-Z93-94DL

Quant Time: Aug 14 11:29:21 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	136472	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	511514	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	222208	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	345285	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	254705	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	201230	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	10191	1.135	ng	0.00
7) Phenol-d6	6.428	99	12486	1.088	ng	-0.01
23) Nitrobenzene-d5	7.357	82	7917	0.967	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	2188	0.966	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	19291	1.443	ng	-0.01
79) Terphenyl-d14	12.916	244	17772	1.230	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.116	128	4289857	166.870	ng	97
37) 2-Methylnaphthalene	8.798	142	1533233	89.978	ng	100
38) 1-Methylnaphthalene	8.898	142	1032365	65.152	ng	98
46) 1,1'-Biphenyl	9.257	154	258001	14.931	ng	98
49) Acenaphthylene	9.698	152	1078133	52.974	ng	98
52) Acenaphthene	9.869	154	129984	9.855	ng	99
55) Dibenzofuran	10.039	168	68304	3.638	ng	# 87
58) Fluorene	10.386	166	438913	32.094	ng	94
71) Phenanthrene	11.351	178	1506652	82.151	ng	100
72) Anthracene	11.398	178	471956	25.193	ng	99
75) Fluoranthene	12.539	202	591623	30.539	ng	96
78) Pyrene	12.769	202	884289	40.122	ng	98
81) Benzo(a)anthracene	13.963	228	292510m	16.061	ng	
83) Chrysene	13.998	228	234016	13.189	ng	98
87) Indeno(1,2,3-cd)pyrene	16.933	276	40837	3.451	ng	# 94
88) Benzo(b)fluoranthene	15.015	252	125454m	10.222	ng	
89) Benzo(k)fluoranthene	15.039	252	35082m	2.870	ng	
90) Benzo(a)pyrene	15.380	252	137130	11.984	ng	# 94
92) Benzo(g,h,i)perylene	17.386	276	45900	4.705	ng	# 90

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

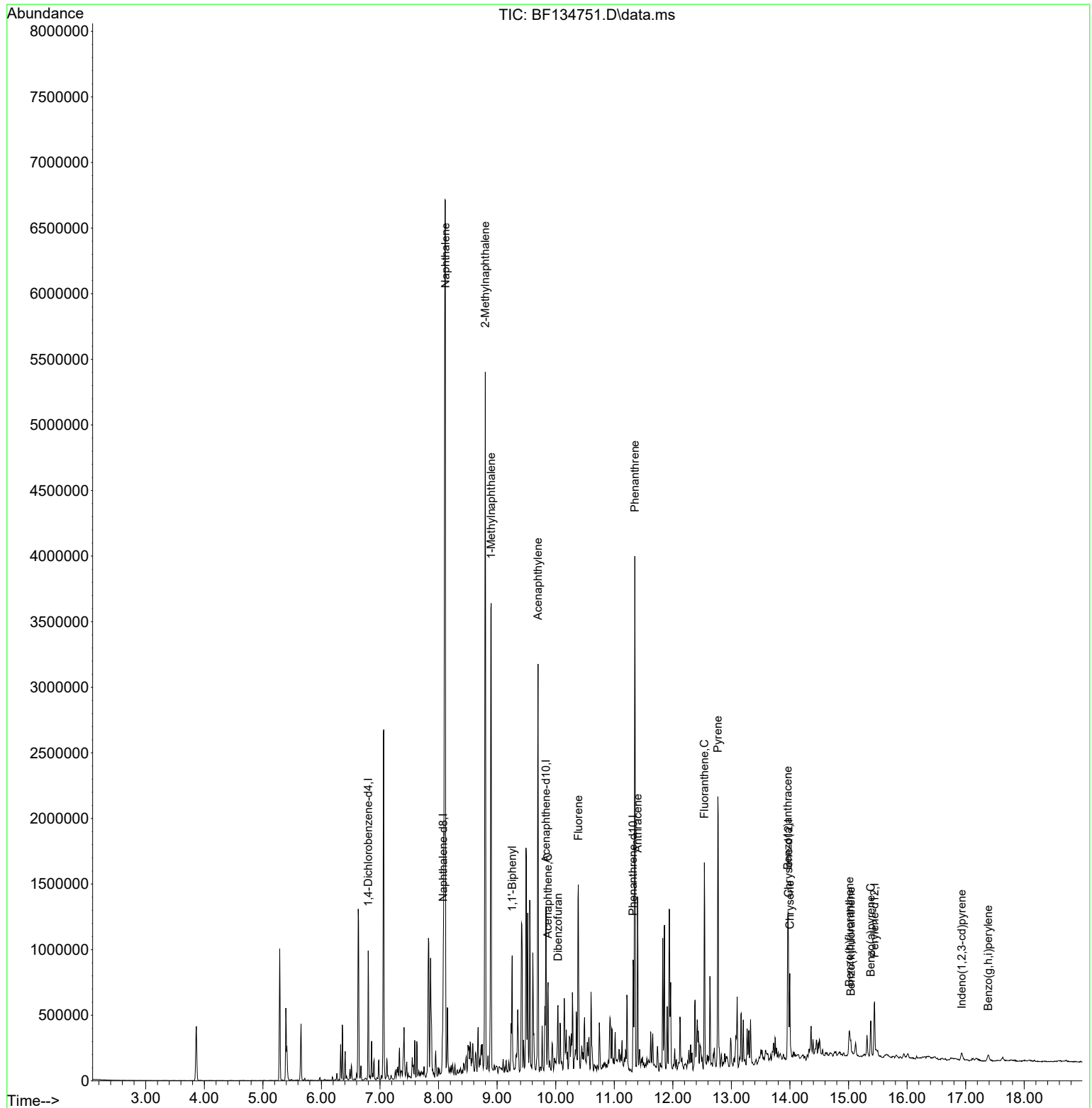
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081423\
Data File : BF134751.D
Acq On : 14 Aug 2023 10:31
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Misc :
ALS Vial : 5 Sample Multiplier: 1

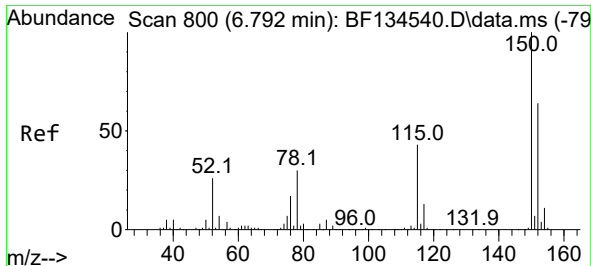
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z93-94DL

Quant Time: Aug 14 11:29:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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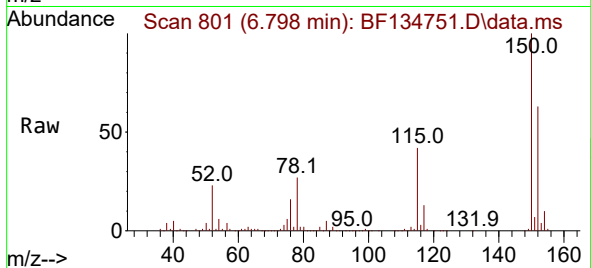
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134751.D
Acq: 14 Aug 2023 10:31

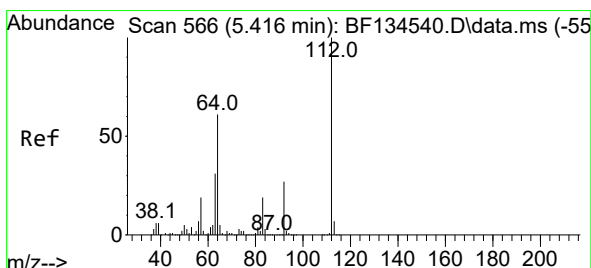
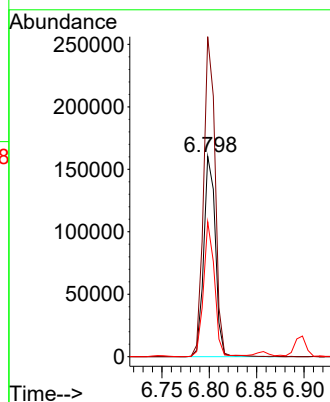
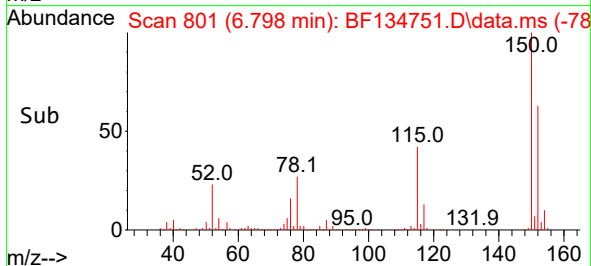
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z93-94DL



Tgt Ion:152 Resp: 136472
Ion Ratio Lower Upper
152 100
150 159.8 128.3 192.5
115 67.3 52.4 78.6

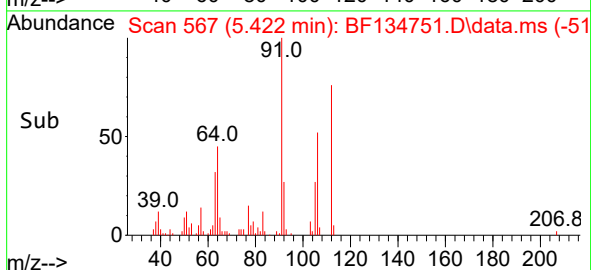
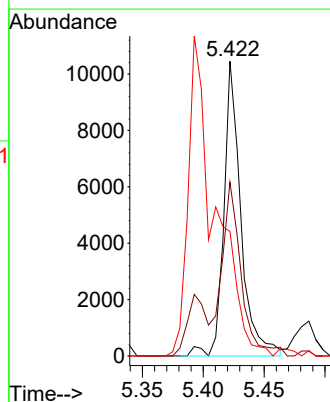
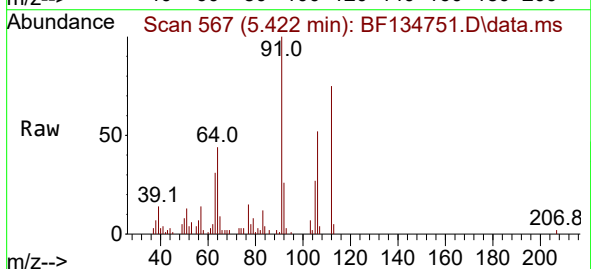
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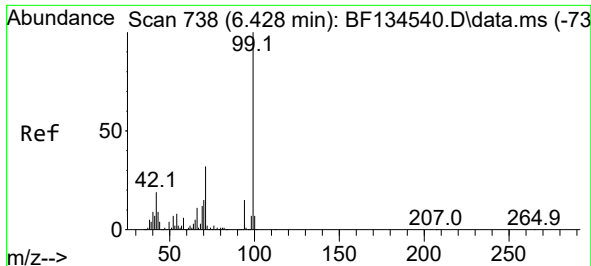
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#5
2-Fluorophenol
Concen: 1.135 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF134751.D
Acq: 14 Aug 2023 10:31

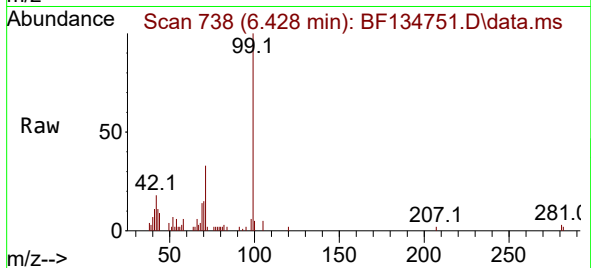
Tgt Ion:112 Resp: 10191
Ion Ratio Lower Upper
112 100
64 59.0 44.9 67.3
63 42.2 25.4 38.0#





#7
Phenol-d6
Concen: 1.088 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134751.D
Acq: 14 Aug 2023 10:31

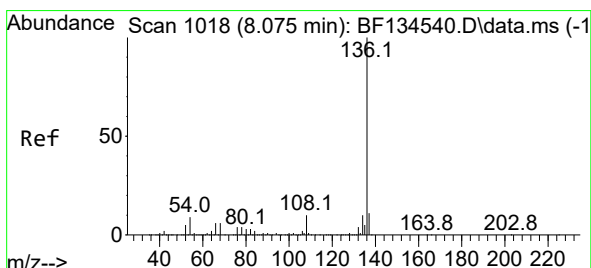
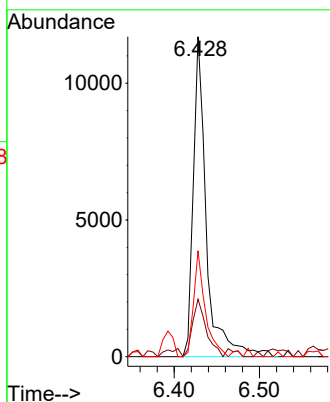
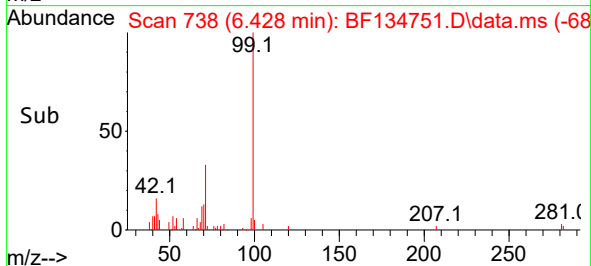
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z93-94DL



Tgt Ion: 99 Resp: 12480
Ion Ratio Lower Upper
99 100
42 17.9 18.7 28.1#
71 33.1 36.4 54.6#

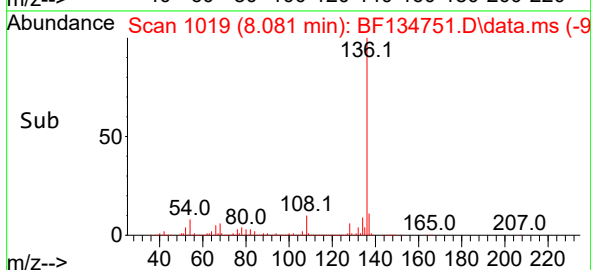
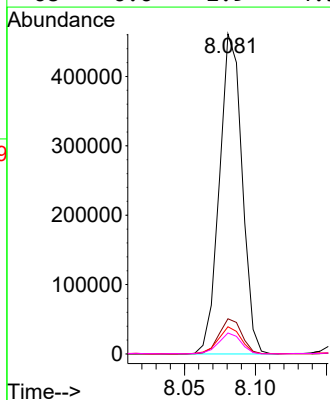
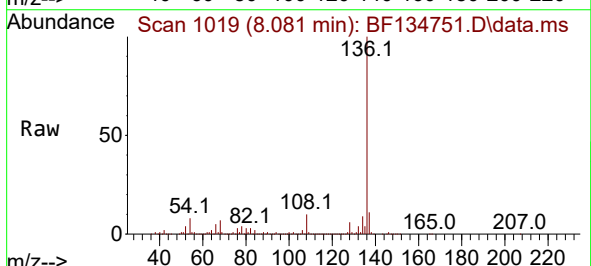
Manual Integrations
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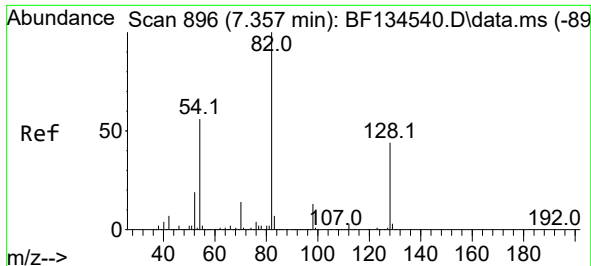
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF134751.D
Acq: 14 Aug 2023 10:31

Tgt Ion:136 Resp: 511514
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 8.5 5.2 7.8#
68 6.6 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 0.967 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF134751.D

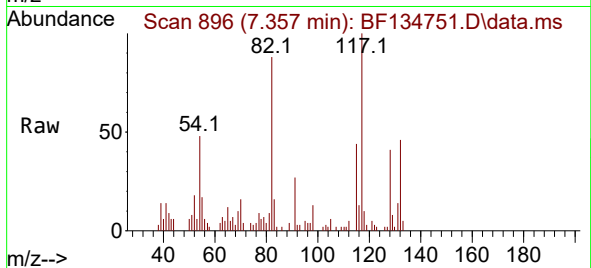
Acq: 14 Aug 2023 10:31

Instrument :

BNA_F

ClientSampleId :

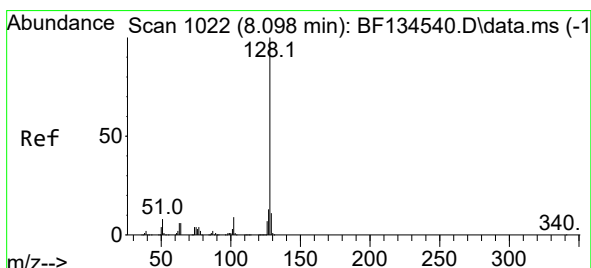
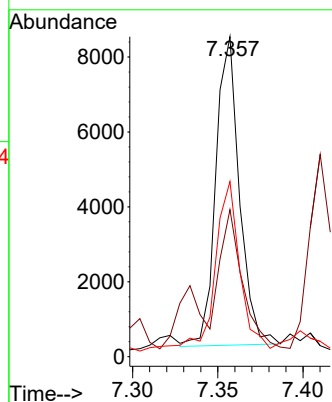
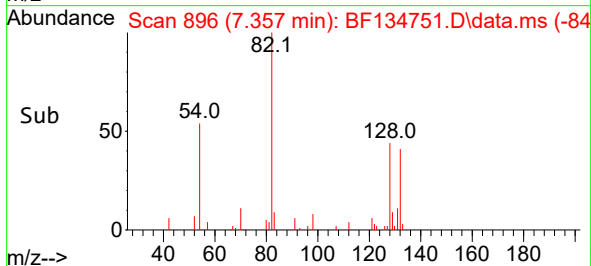
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Tgt Ion: 82	Resp: 791
Ion Ratio	Lower Upper
82	100
128	46.0 34.3 51.5
54	54.8 43.8 65.6

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



#31

Naphthalene

Concen: 166.870 ng

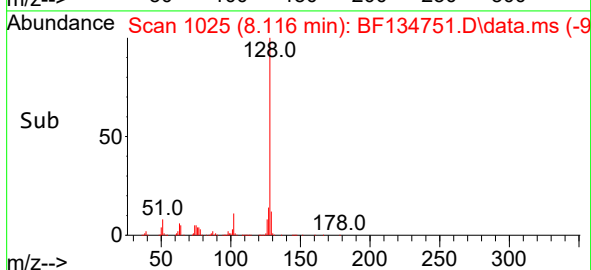
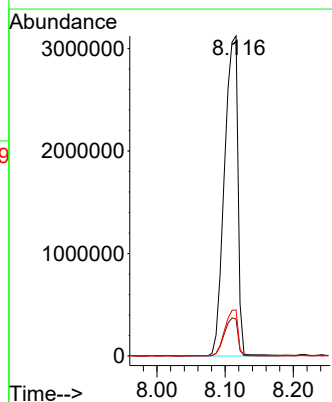
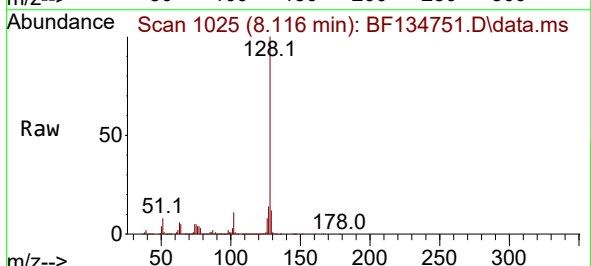
RT: 8.116 min Scan# 1025

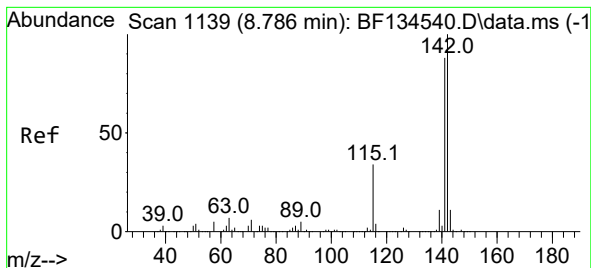
Delta R.T. 0.012 min

Lab File: BF134751.D

Acq: 14 Aug 2023 10:31

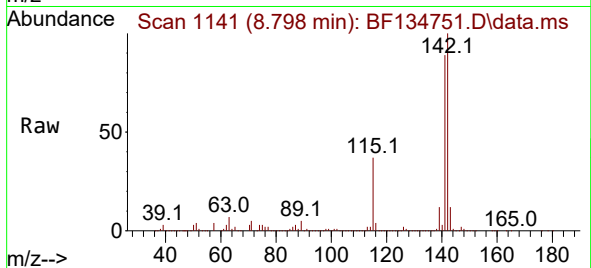
Tgt Ion:128	Resp: 4289857
Ion Ratio	Lower Upper
128	100
129	11.6 8.4 12.6
127	14.4 10.7 16.1





#37
2-Methylnaphthalene
Concen: 89.978 ng
RT: 8.798 min Scan# 1139
Delta R.T. 0.006 min
Lab File: BF134751.D
Acq: 14 Aug 2023 10:31

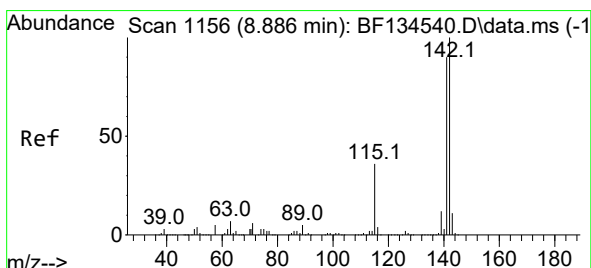
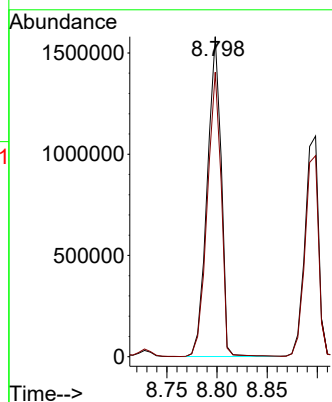
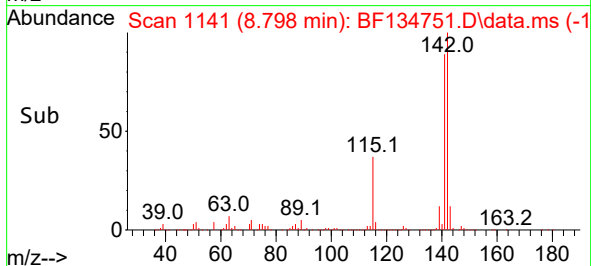
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z93-94DL



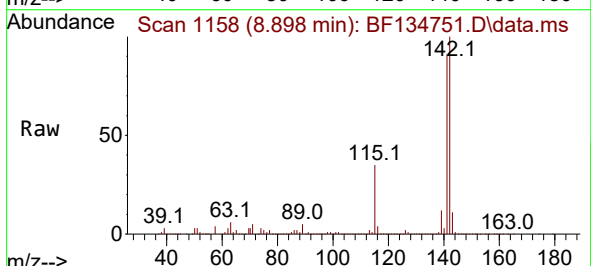
Tgt Ion:142 Resp: 1533233
Ion Ratio Lower Upper
142 100
141 88.9 70.8 106.2

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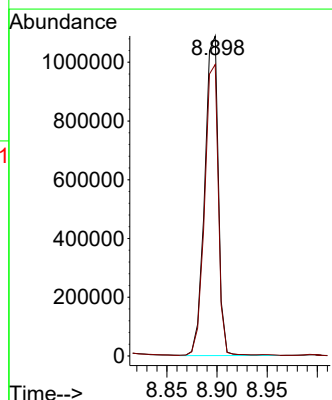
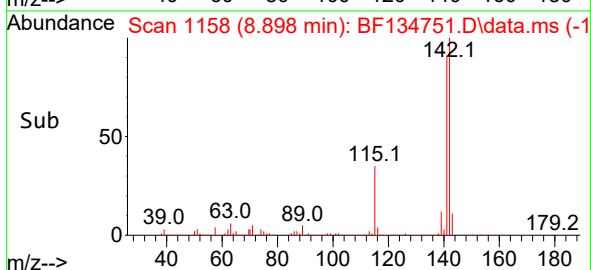
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

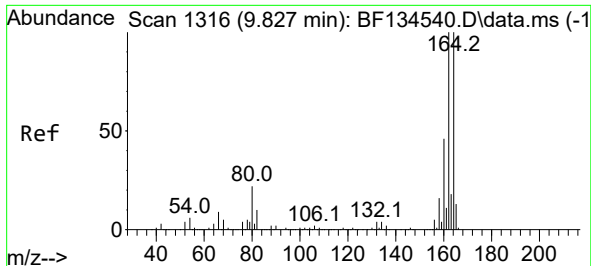


#38
1-Methylnaphthalene
Concen: 65.152 ng
RT: 8.898 min Scan# 1158
Delta R.T. 0.006 min
Lab File: BF134751.D
Acq: 14 Aug 2023 10:31



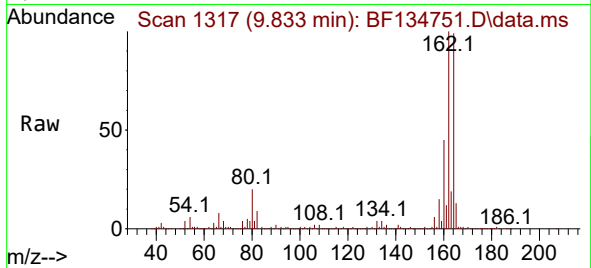
Tgt Ion:142 Resp: 1032365
Ion Ratio Lower Upper
142 100
141 91.1 71.4 107.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134751.D
Acq: 14 Aug 2023 10:31

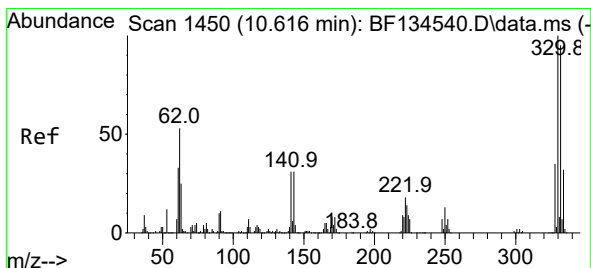
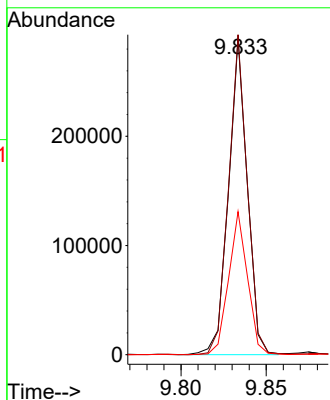
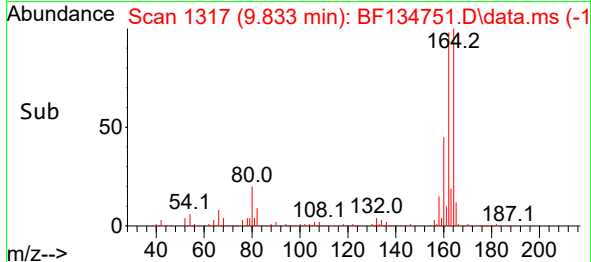
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z93-94DL



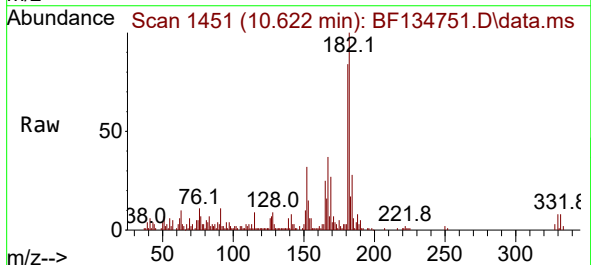
Tgt Ion:164 Resp: 222208
Ion Ratio Lower Upper
164 100
162 101.2 82.6 123.8
160 45.2 37.2 55.8

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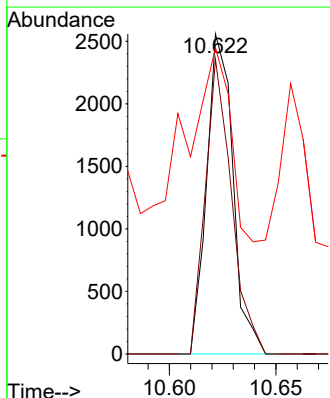
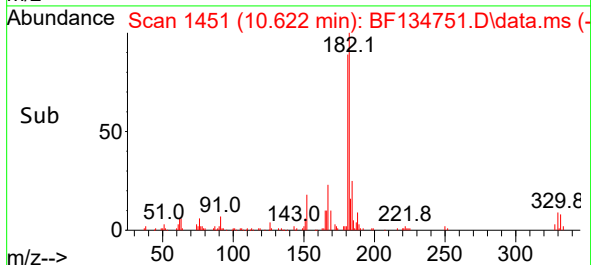
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

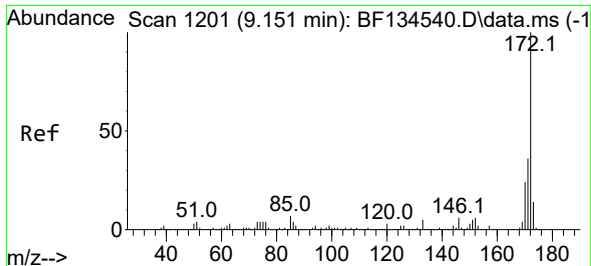


#42
2,4,6-Tribromophenol
Concen: 0.966 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134751.D
Acq: 14 Aug 2023 10:31



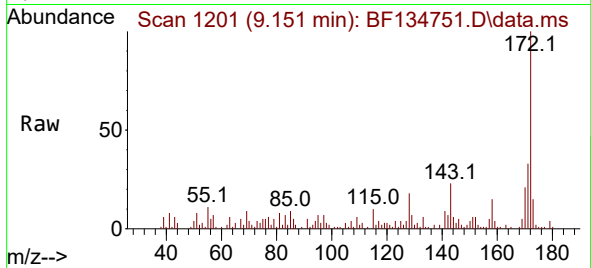
Tgt Ion:330 Resp: 2188
Ion Ratio Lower Upper
330 100
332 92.5 78.8 118.2
141 101.6 25.4 38.2#





#45
2-Fluorobiphenyl
Concen: 1.443 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF134751.D
Acq: 14 Aug 2023 10:31

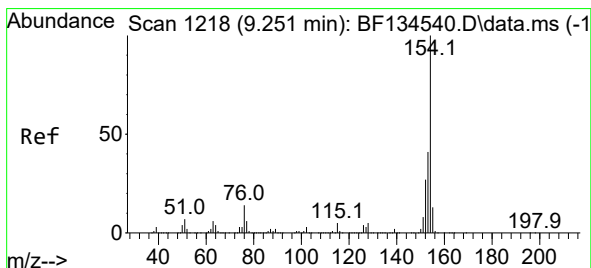
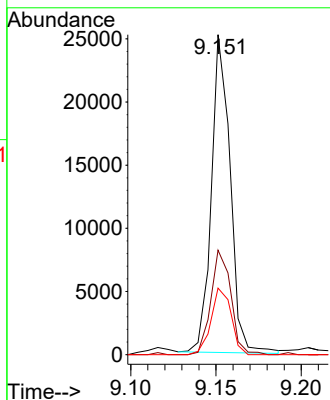
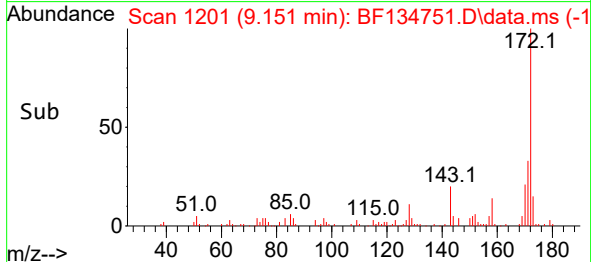
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NEVINS-SB02-Z93-94DL



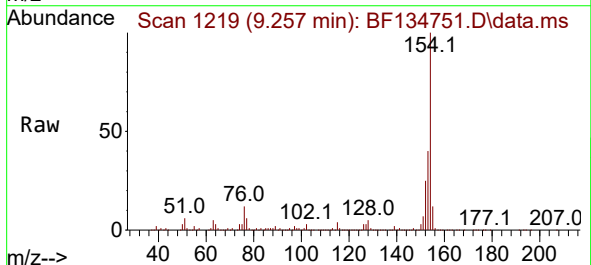
Tgt Ion:172 Resp: 1929
Ion Ratio Lower Upper
172 100
171 32.7 28.8 43.2
170 20.8 18.7 28.1

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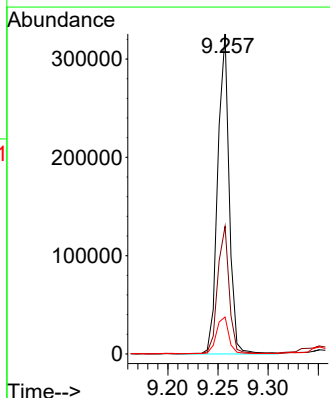
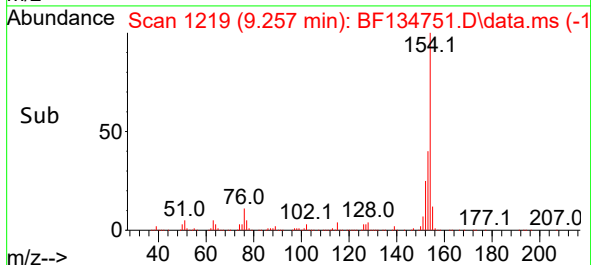
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

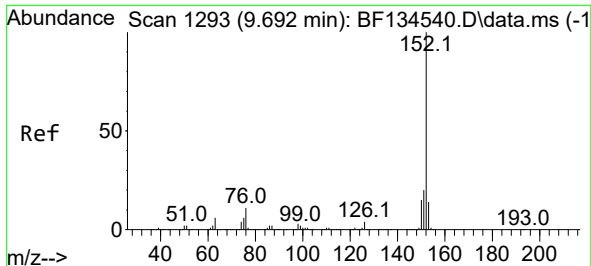


#46
1,1'-Biphenyl
Concen: 14.931 ng
RT: 9.257 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF134751.D
Acq: 14 Aug 2023 10:31



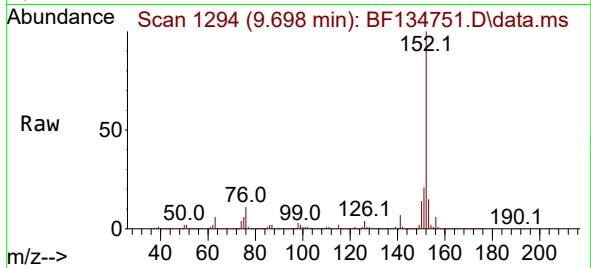
Tgt Ion:154 Resp: 258001
Ion Ratio Lower Upper
154 100
153 39.9 20.8 60.8
76 11.6 0.0 30.2





#49
Acenaphthylene
Concen: 52.974 ng
RT: 9.698 min Scan# 1293
Delta R.T. 0.000 min
Lab File: BF134751.D
Acq: 14 Aug 2023 10:31

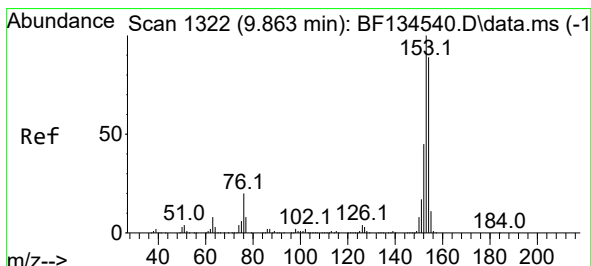
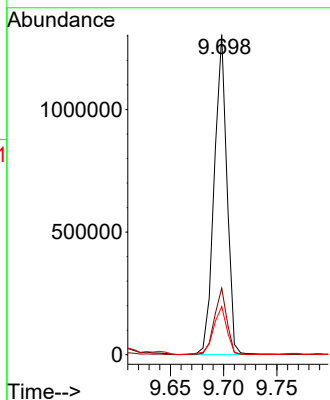
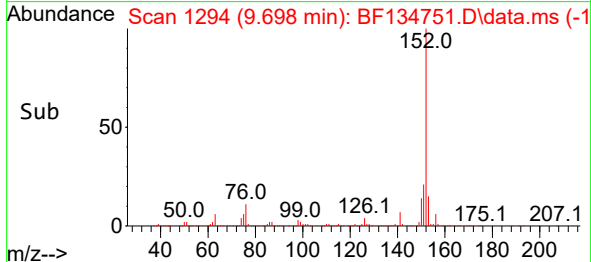
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z93-94DL



Tgt Ion:152 Resp: 107813
Ion Ratio Lower Upper
152 100
151 20.8 16.4 24.6
153 15.0 10.9 16.3

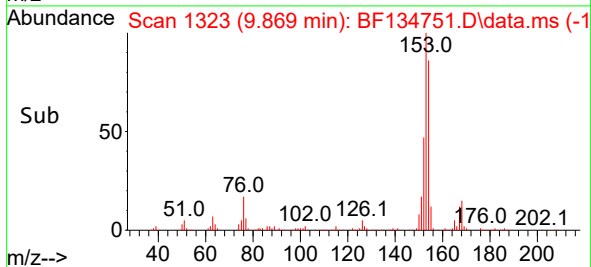
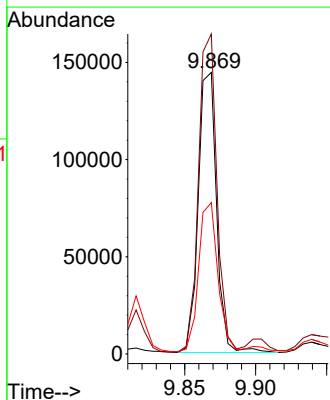
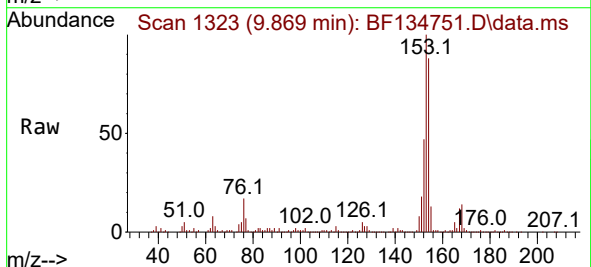
Manual Integrations
APPROVED

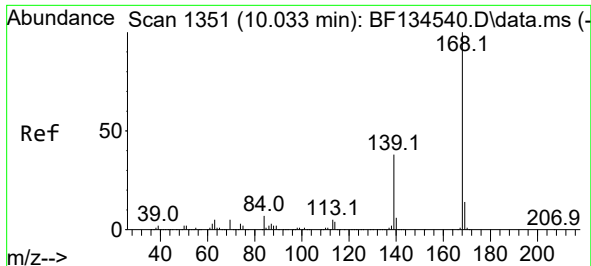
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#52
Acenaphthene
Concen: 9.855 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF134751.D
Acq: 14 Aug 2023 10:31

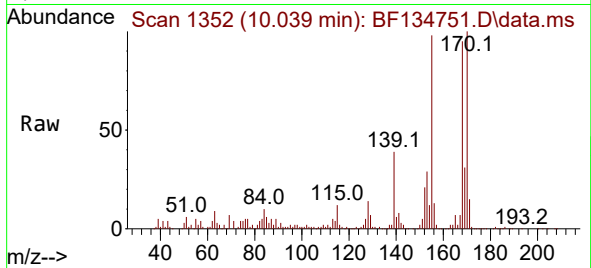
Tgt Ion:154 Resp: 129984
Ion Ratio Lower Upper
154 100
153 113.7 90.0 135.0
152 53.7 42.4 63.6





#55
Dibenzenofuran
Concen: 3.638 ng
RT: 10.039 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134751.D
Acq: 14 Aug 2023 10:31

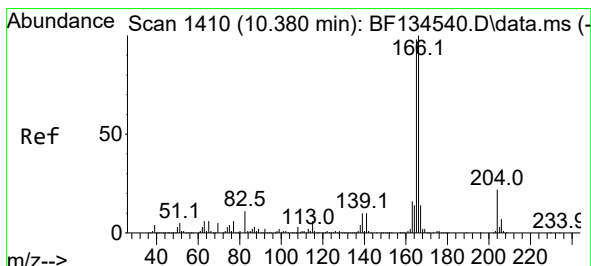
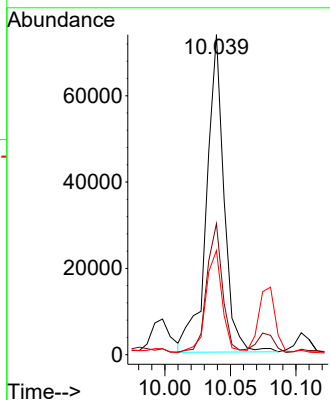
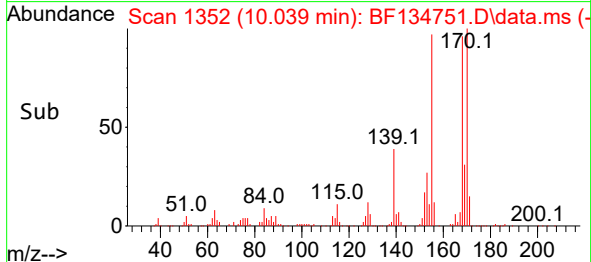
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z93-94DL



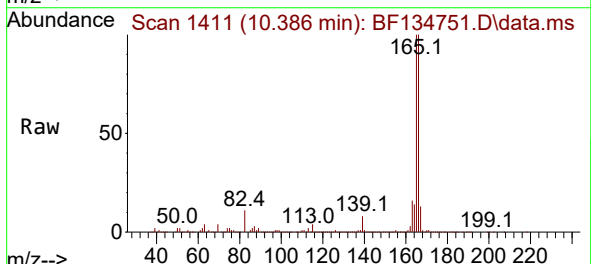
Tgt Ion:168 Resp: 68304
Ion Ratio Lower Upper
168 100
139 40.9 33.4 50.2
169 32.6 10.6 15.8

Manual Integrations
APPROVED

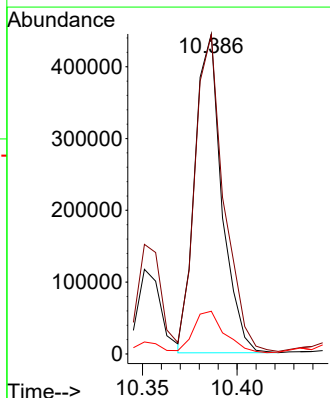
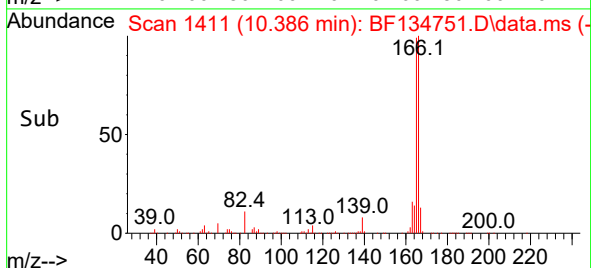
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

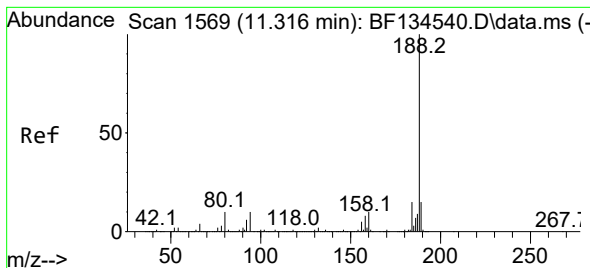


#58
Fluorene
Concen: 32.094 ng
RT: 10.386 min Scan# 1411
Delta R.T. 0.000 min
Lab File: BF134751.D
Acq: 14 Aug 2023 10:31



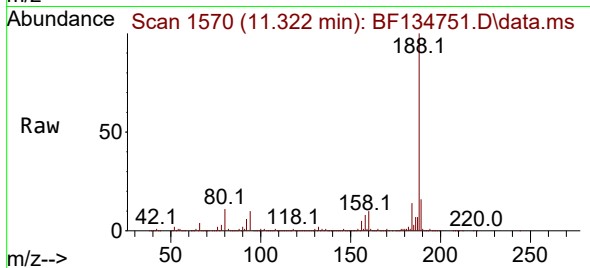
Tgt Ion:166 Resp: 438913
Ion Ratio Lower Upper
166 100
165 99.7 74.5 111.7
167 13.3 10.6 16.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF134751.D
Acq: 14 Aug 2023 10:31

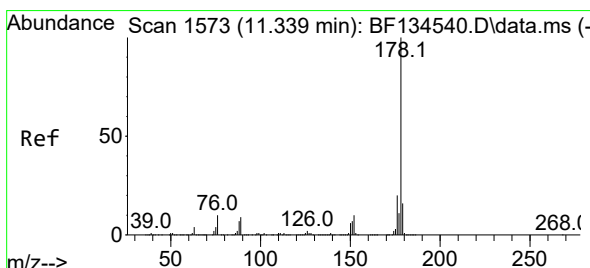
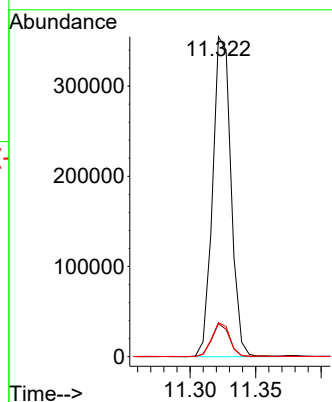
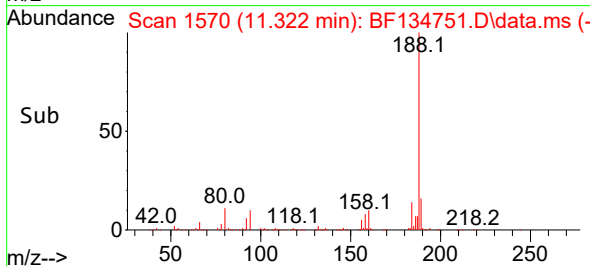
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z93-94DL



Tgt Ion:188 Resp: 345285
Ion Ratio Lower Upper
188 100
94 10.4 5.1 7.7
80 10.7 6.6 9.8

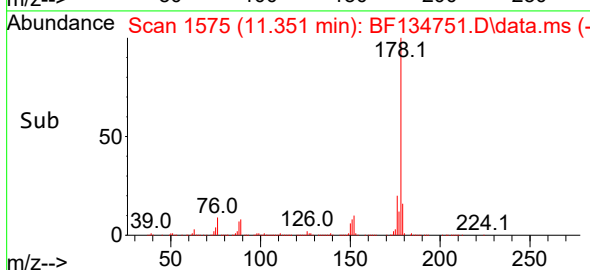
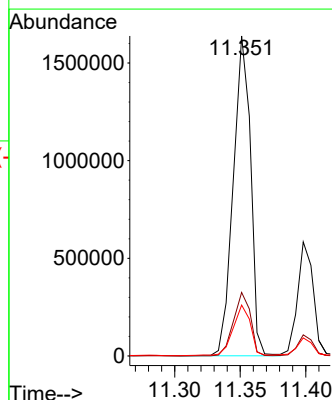
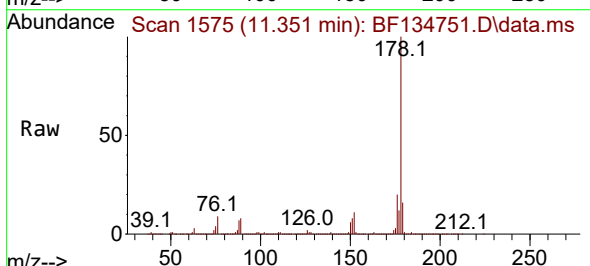
Manual Integrations
APPROVED

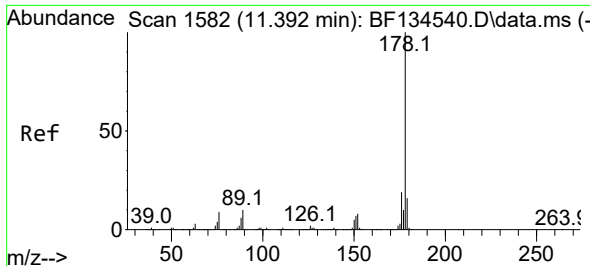
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#71
Phenanthrene
Concen: 82.151 ng
RT: 11.351 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BF134751.D
Acq: 14 Aug 2023 10:31

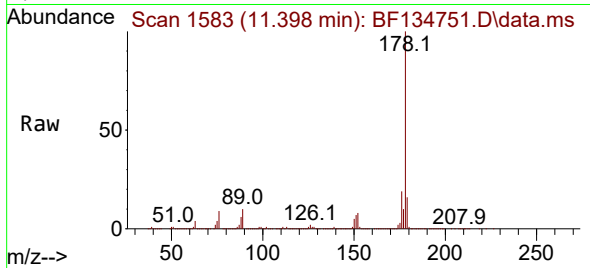
Tgt Ion:178 Resp: 1506652
Ion Ratio Lower Upper
178 100
176 19.9 15.8 23.6
179 15.9 12.7 19.1





#72
 Anthracene
 Concen: 25.193 ng
 RT: 11.398 min Scan# 1582
 Delta R.T. -0.006 min
 Lab File: BF134751.D
 Acq: 14 Aug 2023 10:31

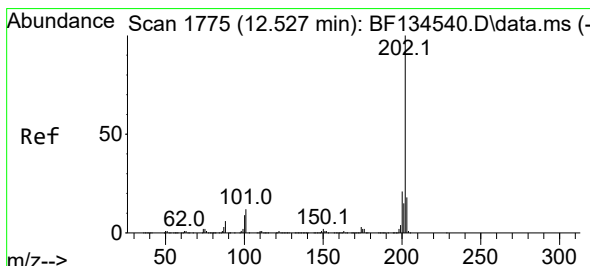
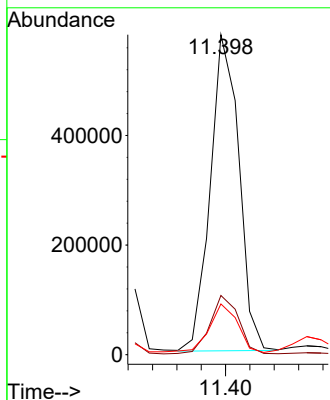
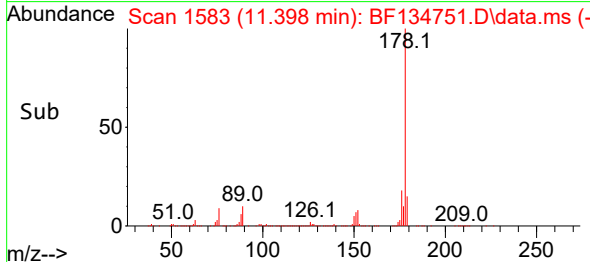
Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB02-Z93-94DL



Tgt Ion:178 Resp: 471950
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.6 21.8
 179 15.9 12.3 18.5

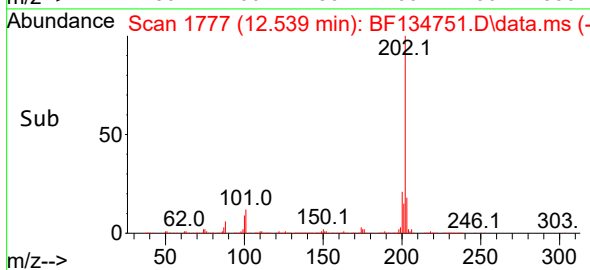
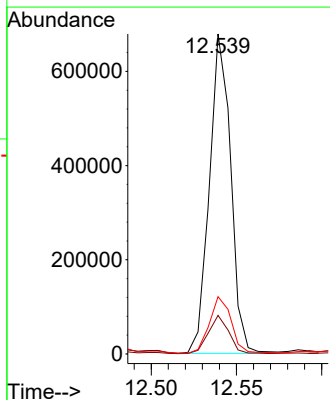
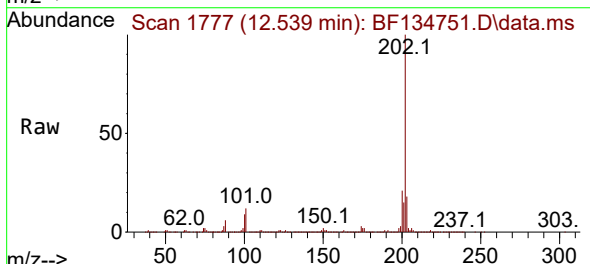
Manual Integrations
 APPROVED

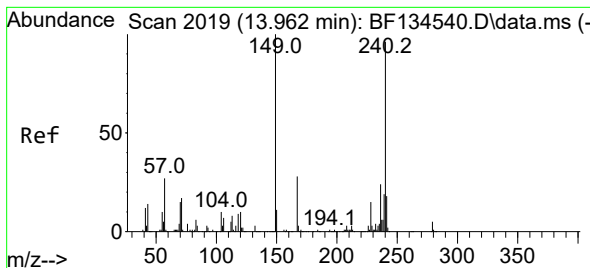
Reviewed By :Yogesh Patel 08/15/2023
 Supervised By :Sohil Jodhani 08/15/2023



#75
 Fluoranthene
 Concen: 30.539 ng
 RT: 12.539 min Scan# 1777
 Delta R.T. 0.000 min
 Lab File: BF134751.D
 Acq: 14 Aug 2023 10:31

Tgt Ion:202 Resp: 591623
 Ion Ratio Lower Upper
 202 100
 101 12.1 0.0 28.5
 203 17.9 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: BF134751.D

Acq: 14 Aug 2023 10:31

Instrument :

BNA_F

ClientSampleId :

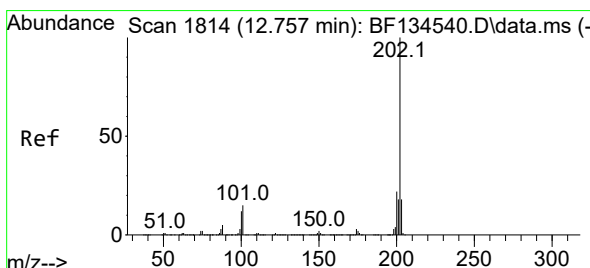
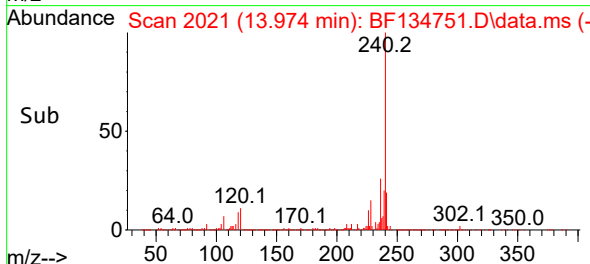
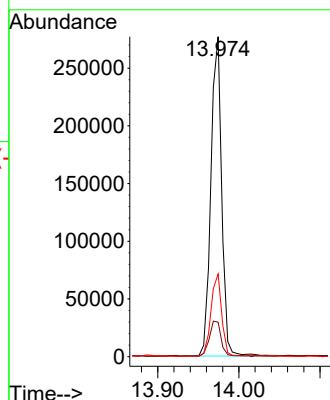
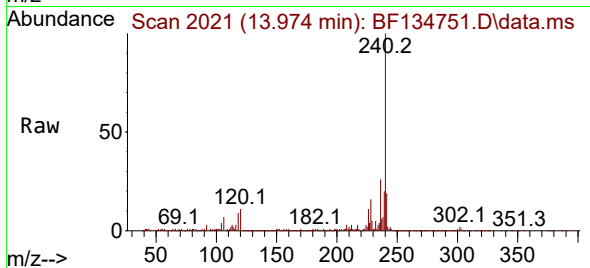
NEVINS-SB02-Z93-94DL

Tgt Ion:240 Resp: 254705
 Ion Ratio Lower Upper
 240 100
 120 10.8 6.6 10.0
 236 25.9 20.2 30.2

Manual Integrations

APPROVED

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



#78

Pyrene

Concen: 40.122 ng

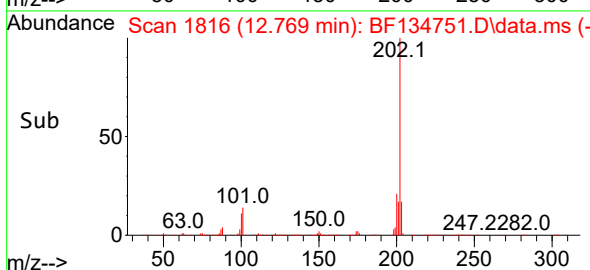
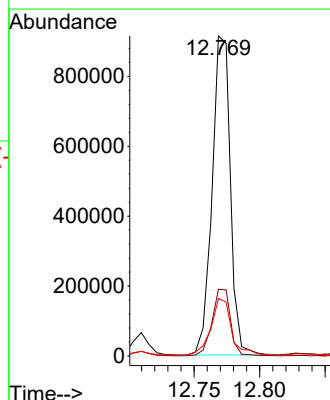
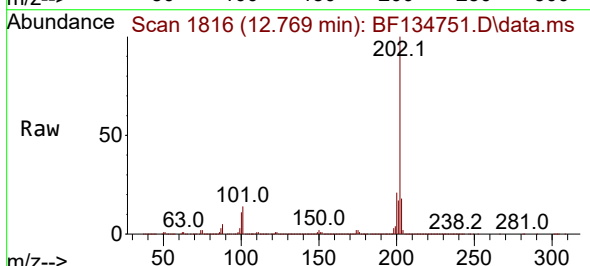
RT: 12.769 min Scan# 1816

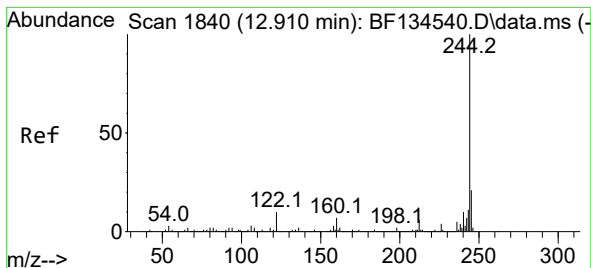
Delta R.T. 0.000 min

Lab File: BF134751.D

Acq: 14 Aug 2023 10:31

Tgt Ion:202 Resp: 884289
 Ion Ratio Lower Upper
 202 100
 200 20.9 15.8 23.8
 203 17.9 13.5 20.3





#79

Terphenyl-d14

Concen: 1.230 ng

RT: 12.916 min Scan# 1840

Delta R.T. -0.006 min

Lab File: BF134751.D

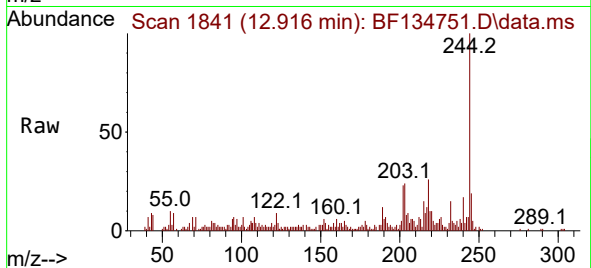
Acq: 14 Aug 2023 10:31

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB02-Z93-94DL



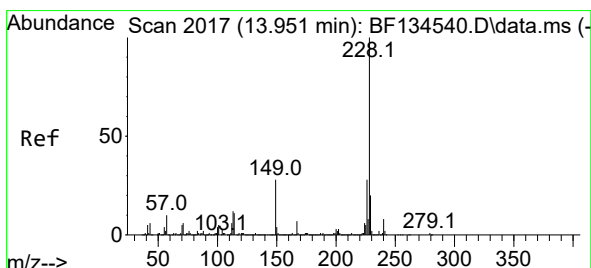
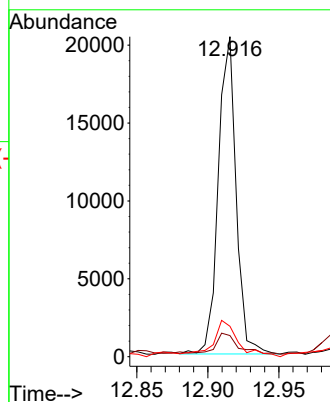
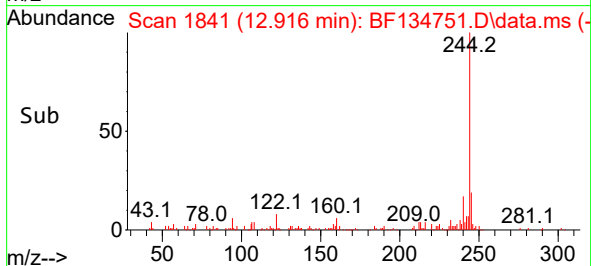
Tgt Ion:244 Resp: 17772

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.6	8.4
122	9.5	8.0	12.0

Manual Integrations

APPROVED

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



#81

Benzo(a)anthracene

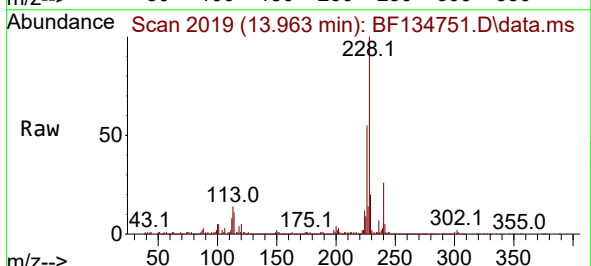
Concen: 16.061 ng m

RT: 13.963 min Scan# 2019

Delta R.T. 0.000 min

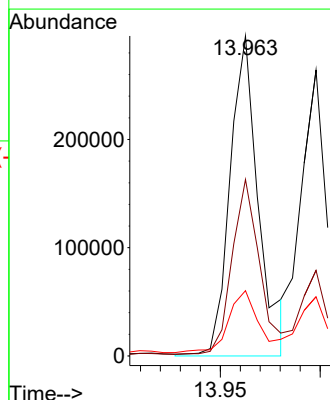
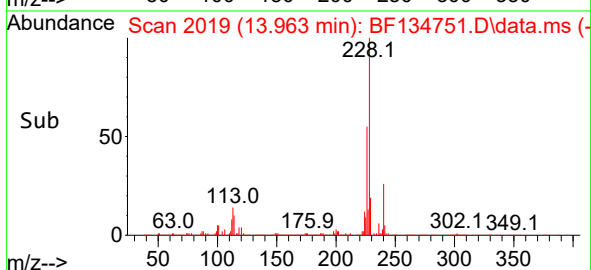
Lab File: BF134751.D

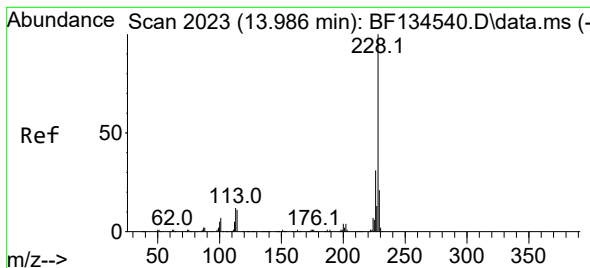
Acq: 14 Aug 2023 10:31



Tgt Ion:228 Resp: 292510

Ion	Ratio	Lower	Upper
228	100		
226	55.2	22.3	33.5#
229	20.4	15.8	23.6





#83

Chrysene

Concen: 13.189 ng

RT: 13.998 min Scan# 2023

Delta R.T. 0.000 min

Lab File: BF134751.D

Acq: 14 Aug 2023 10:31

Instrument :

BNA_F

ClientSampleId :

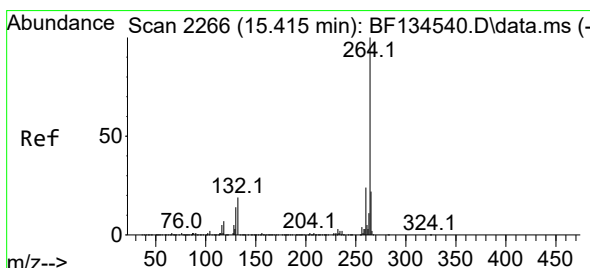
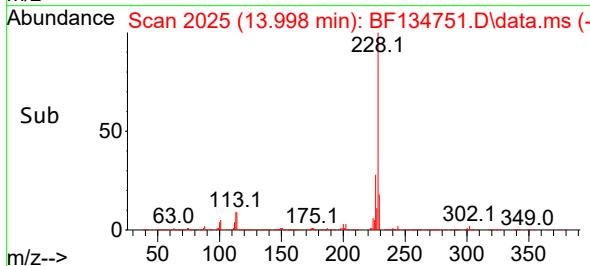
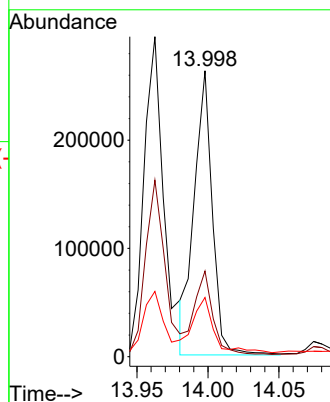
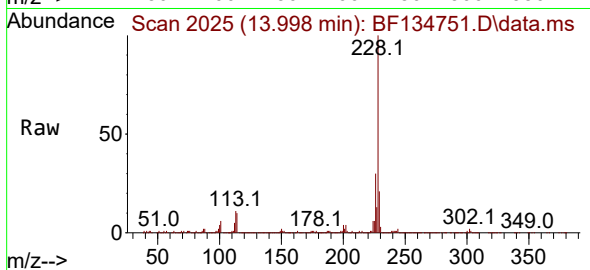
NEVINS-SB02-Z93-94DL

Tgt Ion:228 Resp: 234010
 Ion Ratio Lower Upper
 228 100
 226 30.0 24.5 36.7
 229 20.7 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

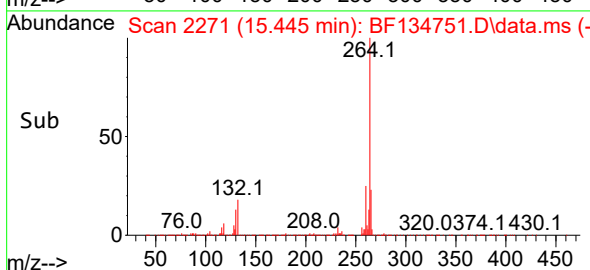
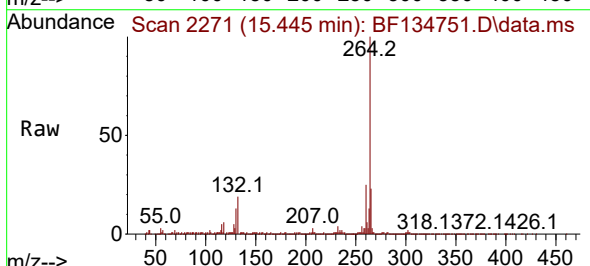
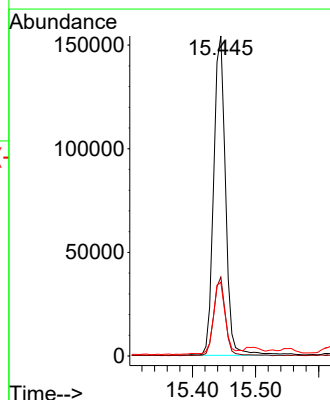
RT: 15.445 min Scan# 2271

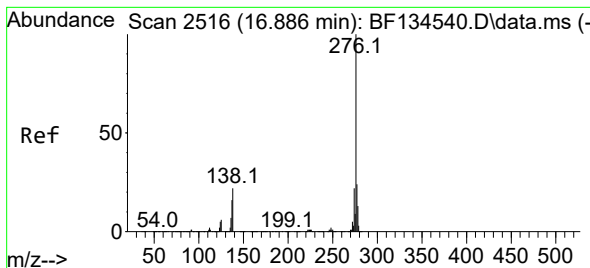
Delta R.T. 0.006 min

Lab File: BF134751.D

Acq: 14 Aug 2023 10:31

Tgt Ion:264 Resp: 201230
 Ion Ratio Lower Upper
 264 100
 260 24.7 18.4 27.6
 265 23.0 15.8 23.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.451 ng

RT: 16.933 min Scan# 2198

Delta R.T. 0.006 min

Lab File: BF134751.D

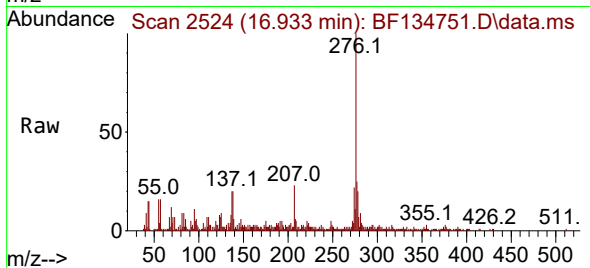
Acq: 14 Aug 2023 10:31

Instrument :

BNF

ClientSampleId :

NEVINS-SB02-Z93-94DL



Tgt Ion:276 Resp: 4083

Ion Ratio Lower Upper

276 100

138 23.2 14.2 21.4

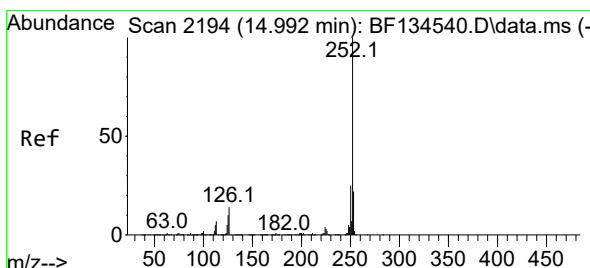
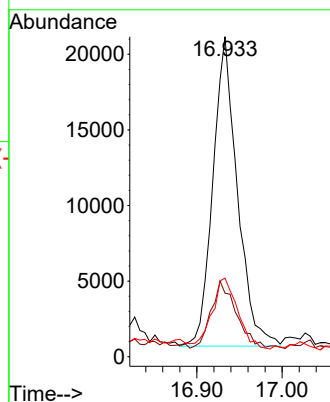
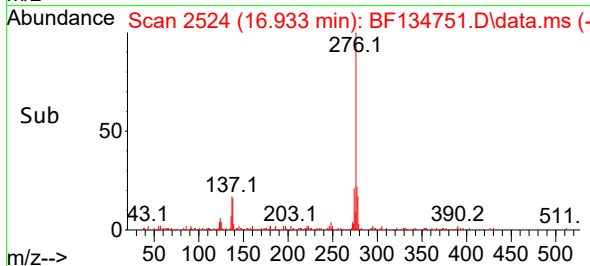
277 24.1 19.9 29.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/15/2023

Supervised By :Sohil Jodhani 08/15/2023



#88

Benzo(b)fluoranthene

Concen: 10.222 ng m

RT: 15.015 min Scan# 2198

Delta R.T. 0.006 min

Lab File: BF134751.D

Acq: 14 Aug 2023 10:31

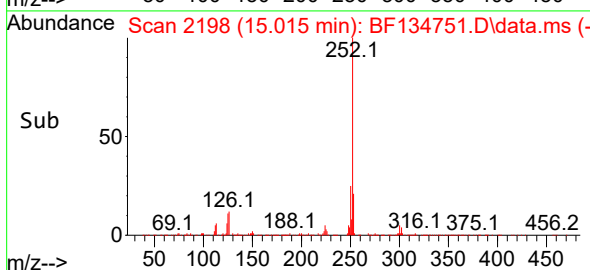
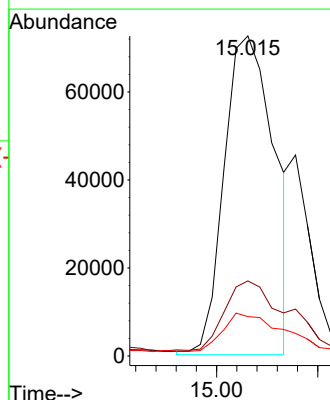
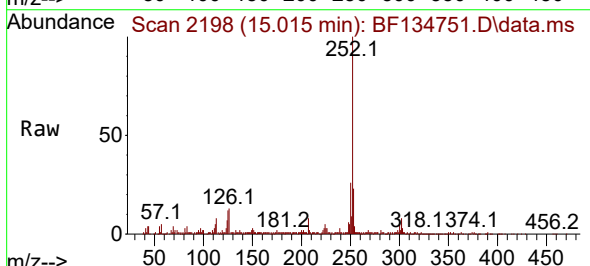
Tgt Ion:252 Resp: 125454

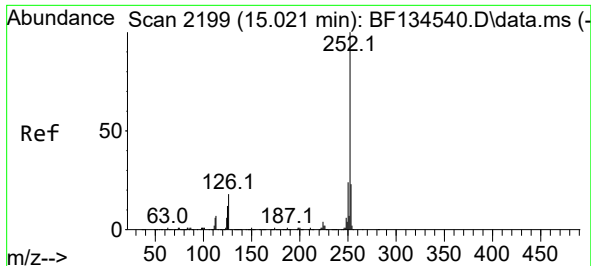
Ion Ratio Lower Upper

252 100

253 23.5 17.3 25.9

125 12.3 6.0 9.0





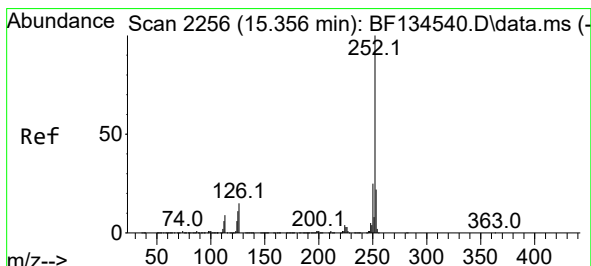
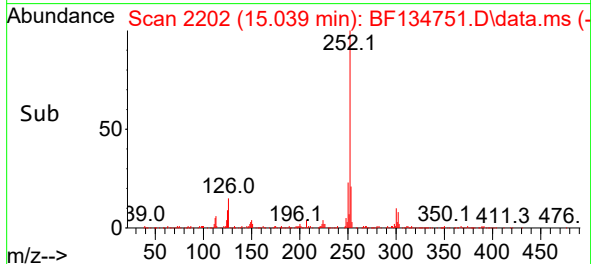
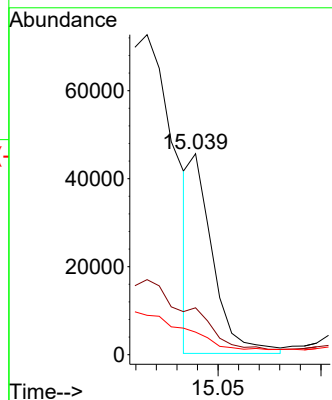
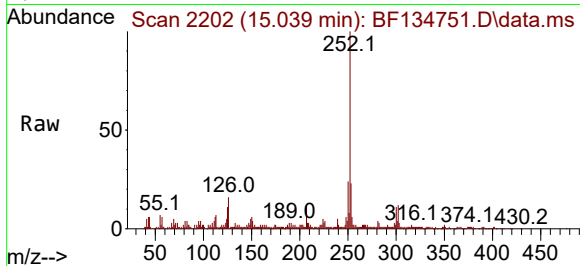
#89
Benzo(k)fluoranthene
Concen: 2.870 ng m
RT: 15.039 min Scan# 2199
Delta R.T. 0.000 min
Lab File: BF134751.D
Acq: 14 Aug 2023 10:31

Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z93-94DL

Tgt Ion:252 Resp: 35082
Ion Ratio Lower Upper
252 100
253 23.3 17.9 26.9
125 11.3 6.3 9.5

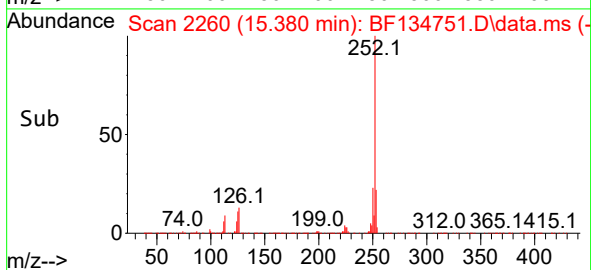
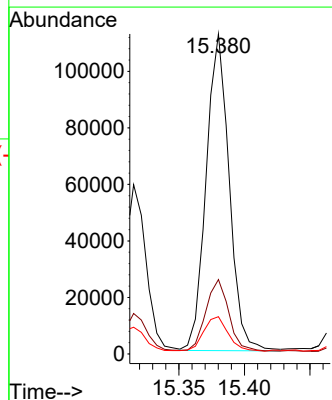
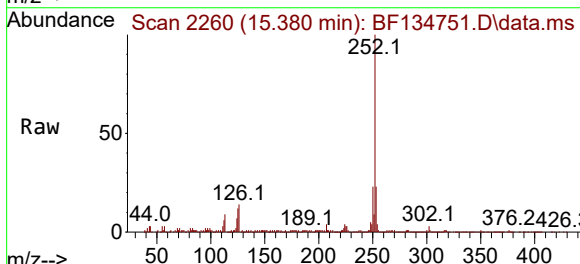
Manual Integrations
APPROVED

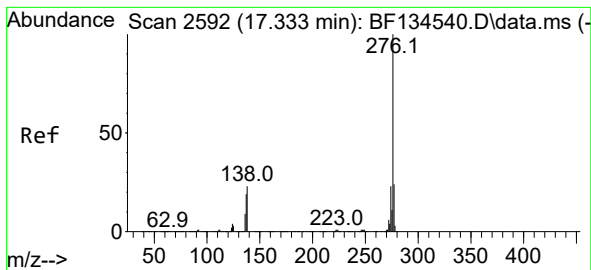
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#90
Benzo(a)pyrene
Concen: 11.984 ng
RT: 15.380 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BF134751.D
Acq: 14 Aug 2023 10:31

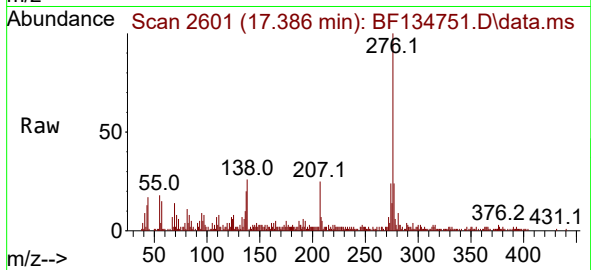
Tgt Ion:252 Resp: 137130
Ion Ratio Lower Upper
252 100
253 23.3 17.0 25.4
125 11.6 6.2 9.4





#92
Benzo(g,h,i)perylene
Concen: 4.705 ng
RT: 17.386 min Scan# 20
Delta R.T. 0.012 min
Lab File: BF134751.D
Acq: 14 Aug 2023 10:31

Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z93-94DL



Tgt Ion:276 Resp: 45900
Ion Ratio Lower Upper
276 100
277 23.9 19.0 28.6
138 26.1 12.2 18.2

Manual Integrations
APPROVED

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

