

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022723\
 Data File : BF132563.D
 Acq On : 27 Feb 2023 20:53
 Operator : CG\JU
 Sample : 01701-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-19-SB01

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/28/2023
 Supervised By :Jagrut Upadhyay 02/28/2023

Quant Time: Feb 28 03:18:34 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 24 23:17:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.001	152	147002	20.000	ng	0.00
21) Naphthalene-d8	8.289	136	520814	20.000	ng	0.00
39) Acenaphthene-d10	10.048	164	255862	20.000	ng	0.00
64) Phenanthrene-d10	11.548	188	412361	20.000	ng	# 0.00
76) Chrysene-d12	14.207	240	315404	20.000	ng	0.00
86) Perylene-d12	15.760	264	238372	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.631	112	693904	76.610	ng	0.00
7) Phenol-d6	6.625	99	896787	75.864	ng	-0.01
23) Nitrobenzene-d5	7.566	82	599310	54.595	ng	0.00
42) 2,4,6-Tribromophenol	10.842	330	189746	68.669	ng	0.00
45) 2-Fluorobiphenyl	9.366	172	988978	58.855	ng	0.00
79) Terphenyl-d14	13.136	244	866467	46.448	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.307	128	127893	4.797	ng	98
37) 2-Methylnaphthalene	9.001	142	120183	6.614	ng	96
38) 1-Methylnaphthalene	9.101	142	103206	6.078	ng	100
55) Dibenzofuran	10.254	168	60471	2.673	ng	# 98
71) Phenanthrene	11.572	178	420146	19.668	ng	98
72) Anthracene	11.619	178	90782	4.127	ng	99
75) Fluoranthene	12.766	202	521099	22.314	ng	99
78) Pyrene	13.001	202	510413	17.799	ng	99
81) Benzo(a)anthracene	14.195	228	276719	11.726	ng	94
83) Chrysene	14.230	228	298327	13.518	ng	96
87) Indeno(1,2,3-cd)pyrene	17.354	276	92246	5.906	ng	95
88) Benzo(b)fluoranthene	15.295	252	301557m	18.877	ng	
89) Benzo(k)fluoranthene	15.318	252	95810m	6.128	ng	
90) Benzo(a)pyrene	15.689	252	172293	11.524	ng	96
92) Benzo(g,h,i)perylene	17.842	276	92013	7.797	ng	99

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

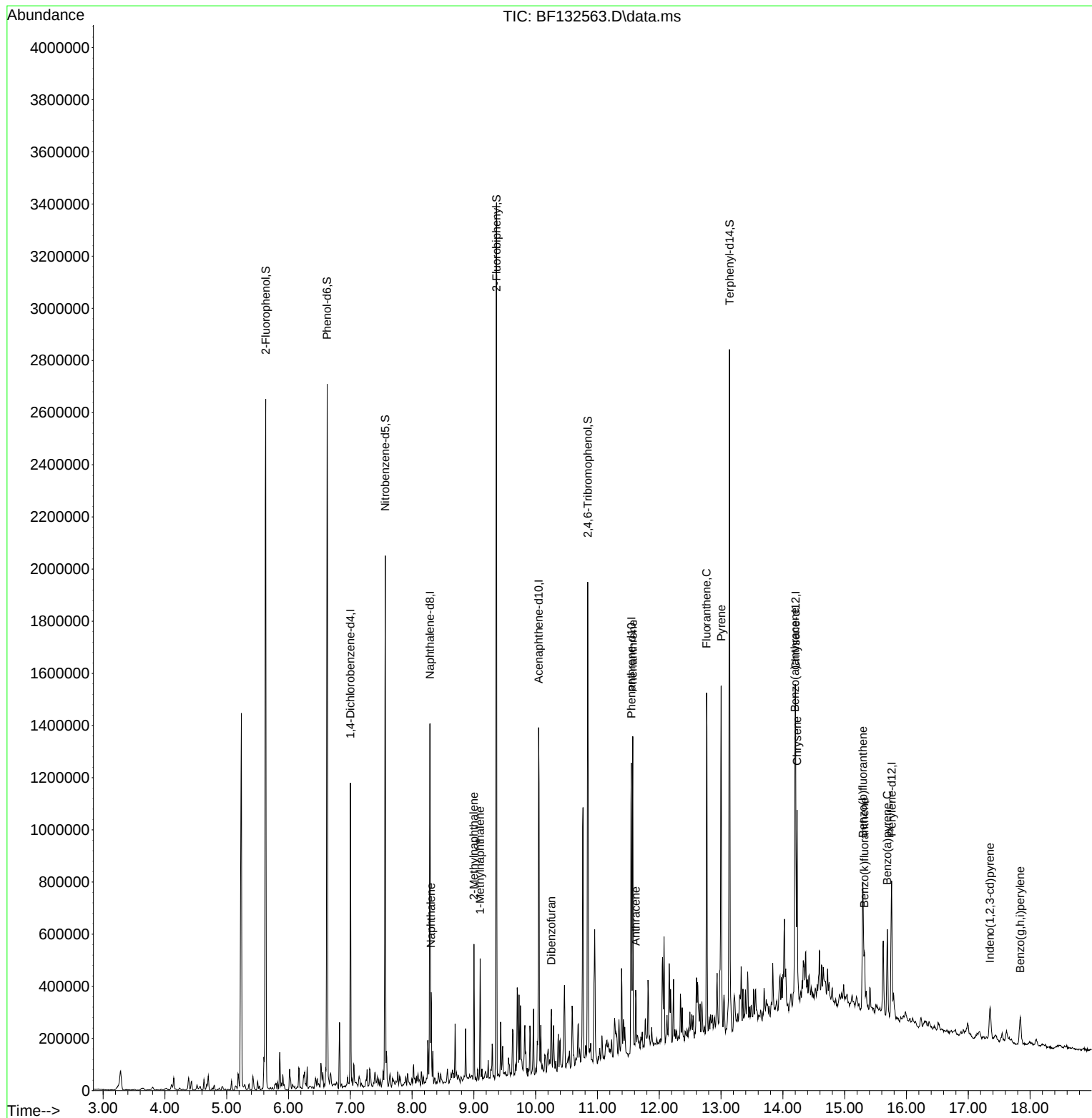
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022723\
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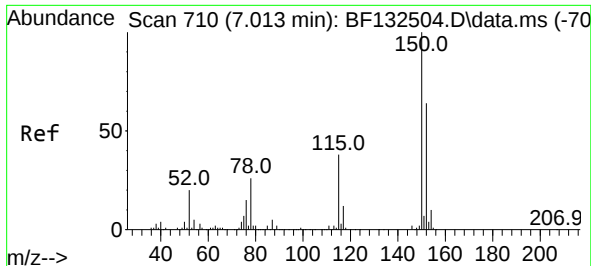
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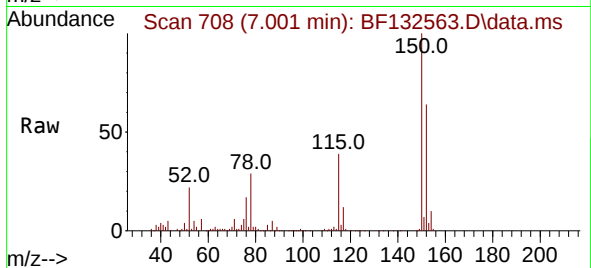
Reviewed By :Yogesh Patel 02/28/2023
Supervised By :Jagrut Upadhyay 02/28/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.001 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF132563.D
Acq: 27 Feb 2023 20:53

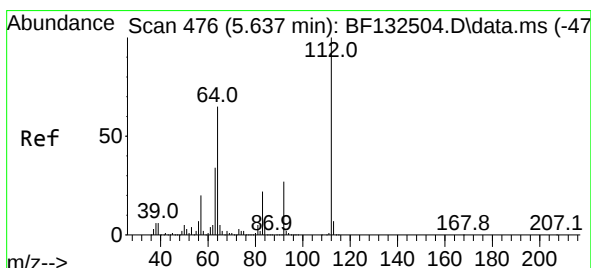
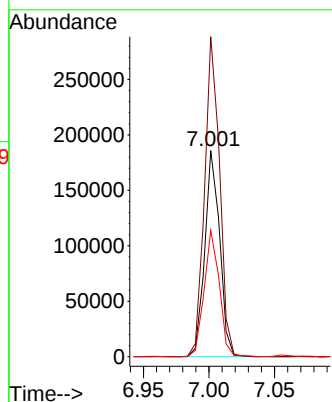
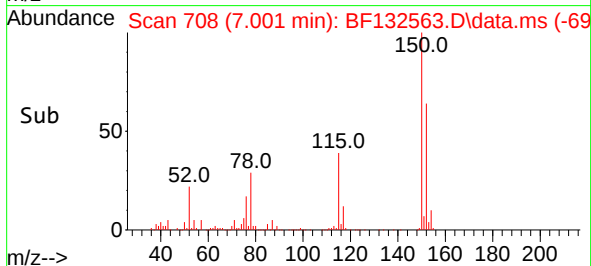
Instrument :
BNA_F
ClientSampleId :
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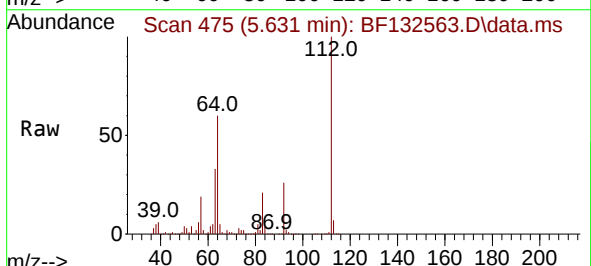
Tgt Ion:152 Resp: 147000
Ion Ratio Lower Upper
152 100
150 155.3 125.4 188.2
115 61.3 47.8 71.6

Manual Integrations
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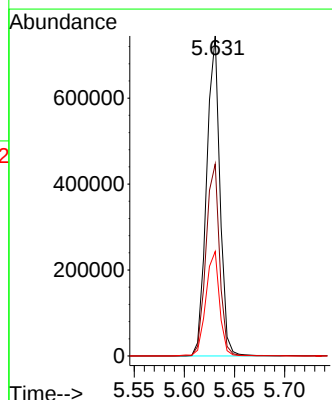
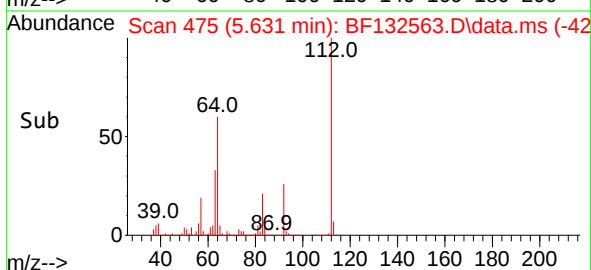
Reviewed By :Yogesh Patel 02/28/2023
Supervised By :Jagrut Upadhyay 02/28/2023

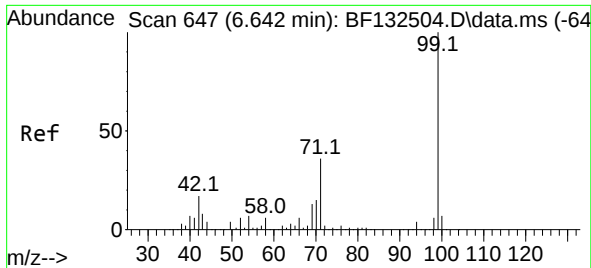


#5
2-Fluorophenol
Concen: 76.610 ng
RT: 5.631 min Scan# 475
Delta R.T. 0.000 min
Lab File: BF132563.D
Acq: 27 Feb 2023 20:53



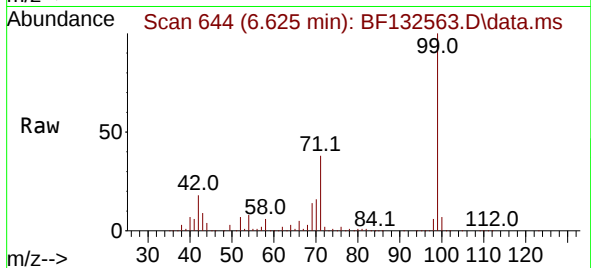
Tgt Ion:112 Resp: 693904
Ion Ratio Lower Upper
112 100
64 60.0 51.6 77.4
63 32.7 27.4 41.2





#7
Phenol-d6
Concen: 75.864 ng
RT: 6.625 min Scan# 64
Delta R.T. -0.012 min
Lab File: BF132563.D
Acq: 27 Feb 2023 20:53

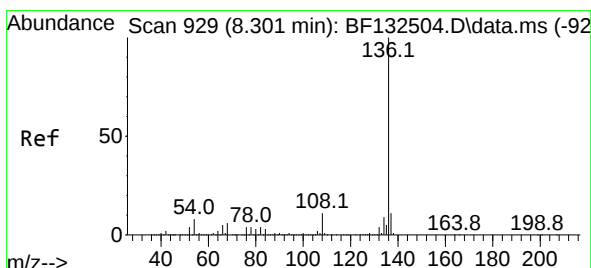
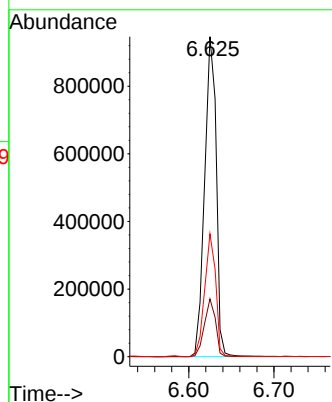
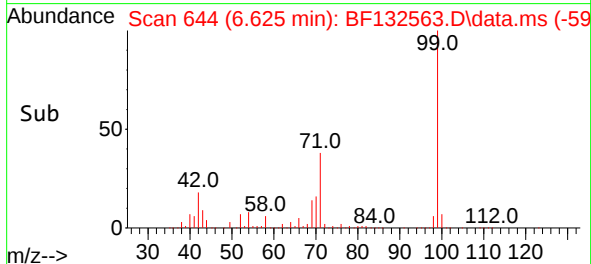
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 99 Resp: 89678
Ion Ratio Lower Upper
99 100
42 18.0 13.9 20.9
71 38.4 28.5 42.7

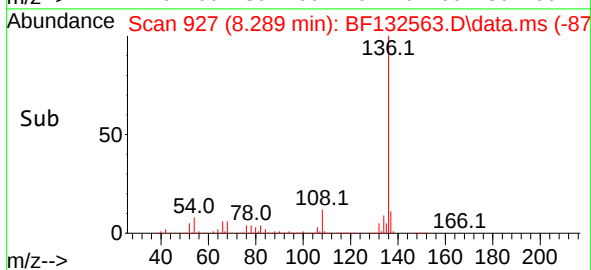
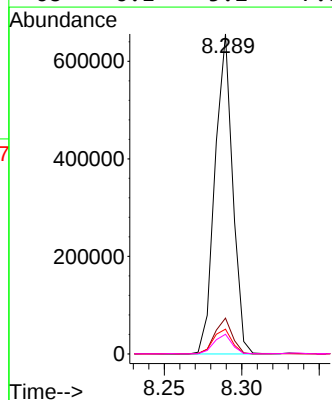
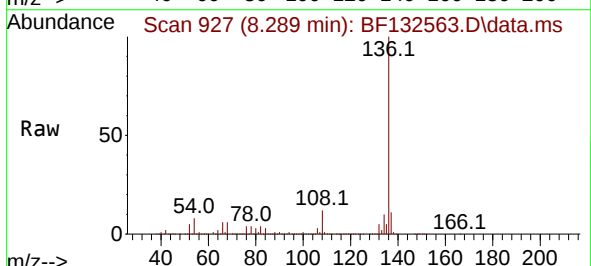
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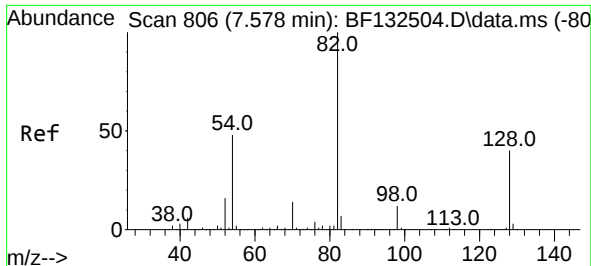
Reviewed By :Yogesh Patel 02/28/2023
Supervised By :Jagrut Upadhyay 02/28/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.289 min Scan# 927
Delta R.T. 0.000 min
Lab File: BF132563.D
Acq: 27 Feb 2023 20:53

Tgt Ion:136 Resp: 520814
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 7.8 6.2 9.4
68 6.1 5.2 7.8





#23

Nitrobenzene-d5

Concen: 54.595 ng

RT: 7.566 min Scan# 806

Delta R.T. -0.006 min

Lab File: BF132563.D

Acq: 27 Feb 2023 20:53

Instrument :

BNA_F

ClientSampleId :

B-19-SB01

Tgt Ion: 82 Resp: 599310

Ion Ratio Lower Upper

82 100

128 40.6 32.2 48.2

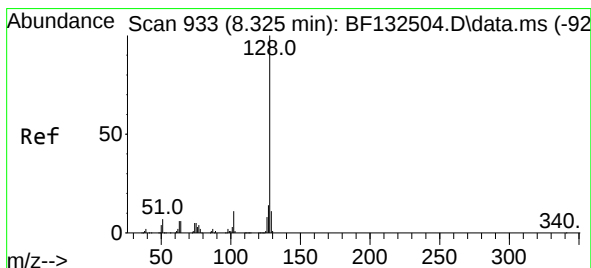
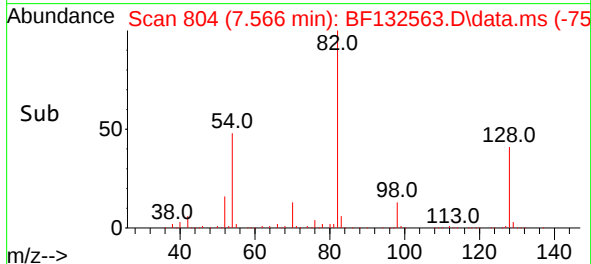
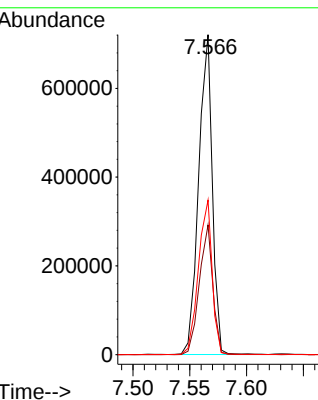
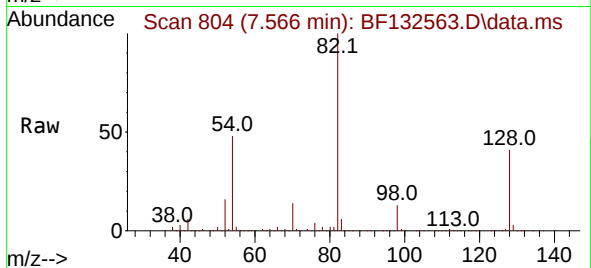
54 48.3 38.4 57.6

Manual Integrations

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Reviewed By :Yogesh Patel 02/28/2023

Supervised By :Jagrut Upadhyay 02/28/2023



#31

Naphthalene

Concen: 4.797 ng

RT: 8.307 min Scan# 930

Delta R.T. -0.006 min

Lab File: BF132563.D

Acq: 27 Feb 2023 20:53

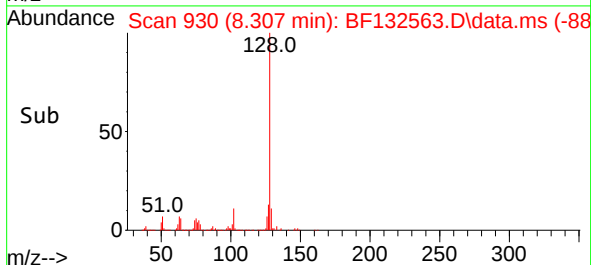
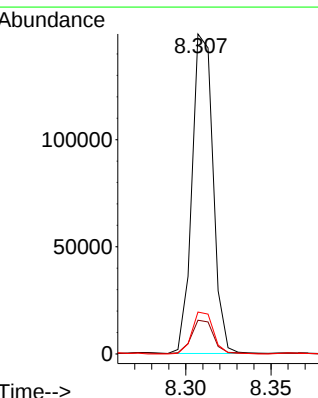
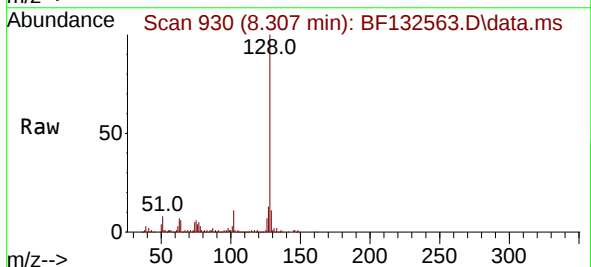
Tgt Ion:128 Resp: 127893

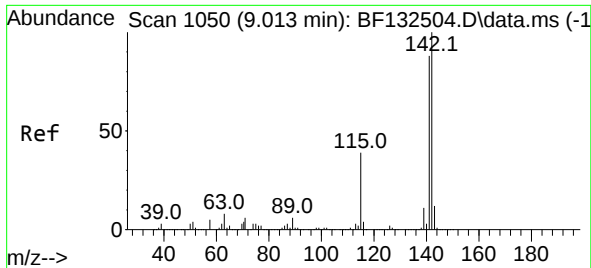
Ion Ratio Lower Upper

128 100

129 10.6 9.1 13.7

127 13.1 11.0 16.6





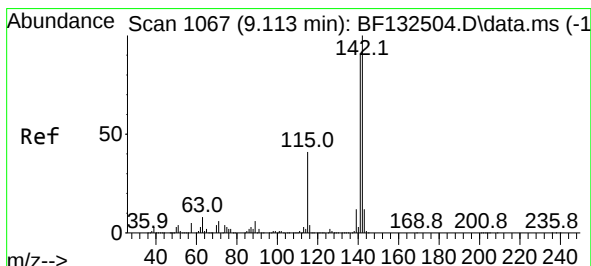
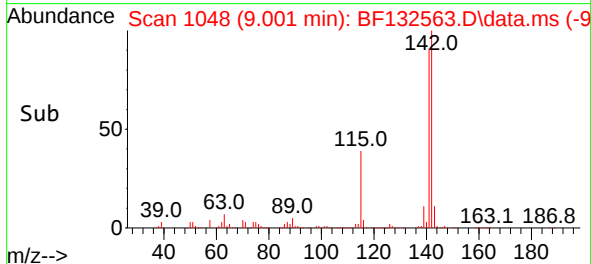
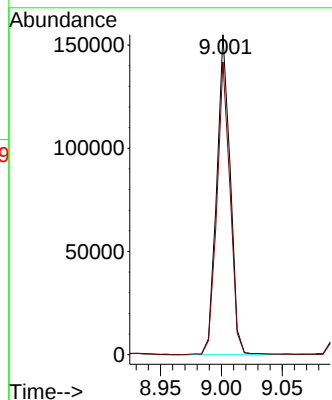
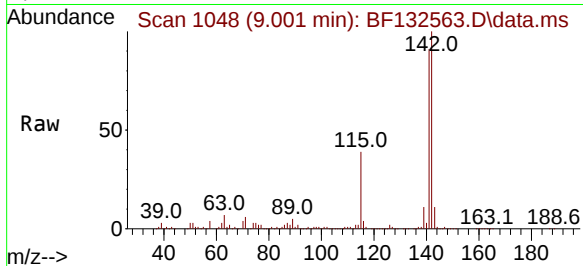
#37
2-Methylnaphthalene
Concen: 6.614 ng
RT: 9.001 min Scan# 1048
Delta R.T. -0.006 min
Lab File: BF132563.D
Acq: 27 Feb 2023 20:53

Instrument :
BNA_F
ClientSampleId :
B-19-SB01

Tgt Ion:142 Resp: 12018
Ion Ratio Lower Upper
142 100
141 91.5 70.2 105.2

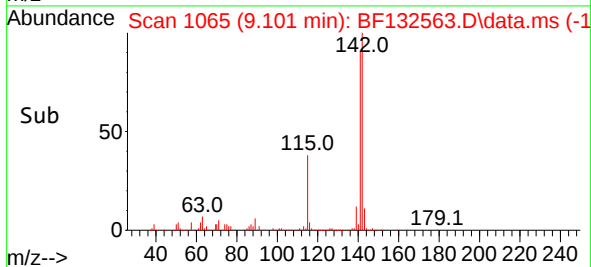
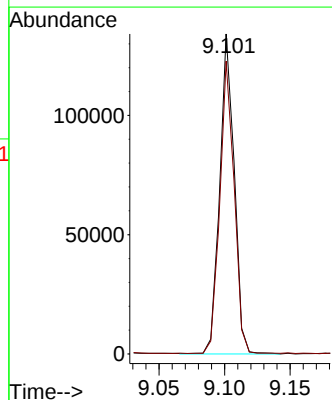
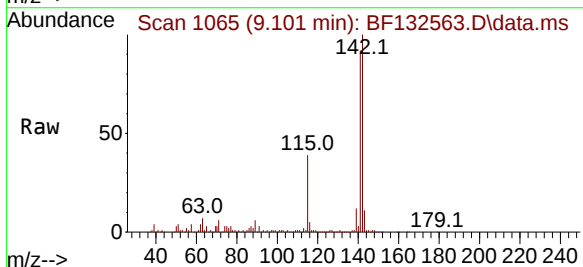
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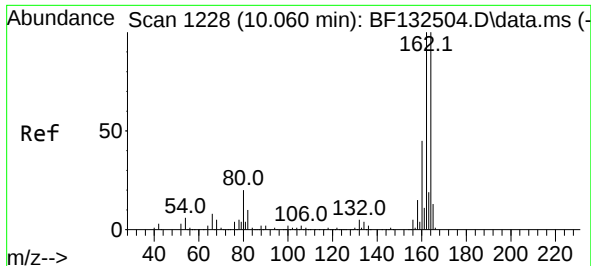
Reviewed By :Yogesh Patel 02/28/2023
Supervised By :Jagrut Upadhyay 02/28/2023



#38
1-Methylnaphthalene
Concen: 6.078 ng
RT: 9.101 min Scan# 1065
Delta R.T. -0.006 min
Lab File: BF132563.D
Acq: 27 Feb 2023 20:53

Tgt Ion:142 Resp: 103206
Ion Ratio Lower Upper
142 100
141 91.5 73.0 109.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.048 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF132563.D

Acq: 27 Feb 2023 20:53

Instrument :

BNA_F

ClientSampleId :

B-19-SB01

Tgt Ion:164 Resp: 25586

Ion Ratio Lower Upper

164 100

162 101.7 79.8 119.8

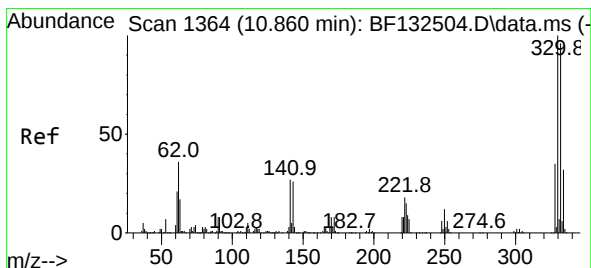
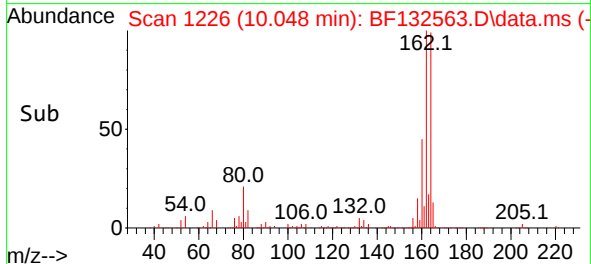
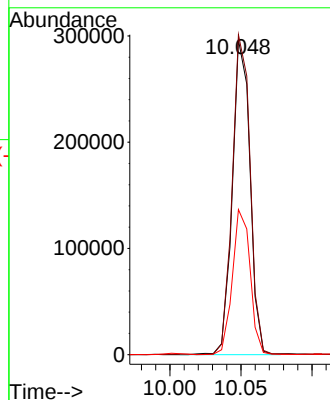
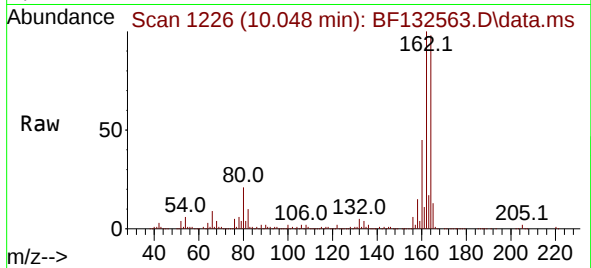
160 46.1 35.8 53.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2023

Supervised By :Jagrut Upadhyay 02/28/2023



#42

2,4,6-Tribromophenol

Concen: 68.669 ng

RT: 10.842 min Scan# 1361

Delta R.T. -0.006 min

Lab File: BF132563.D

Acq: 27 Feb 2023 20:53

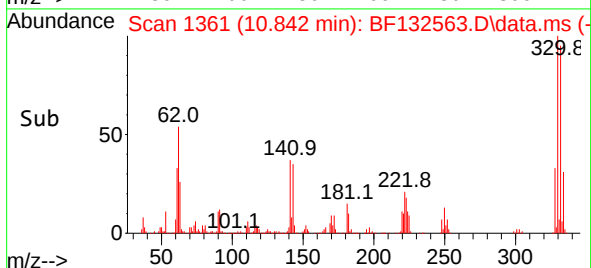
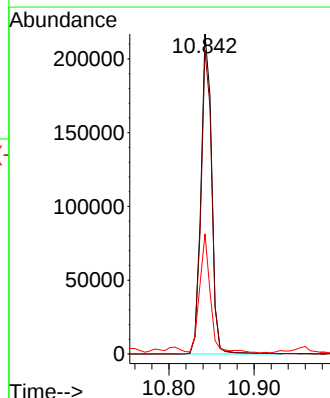
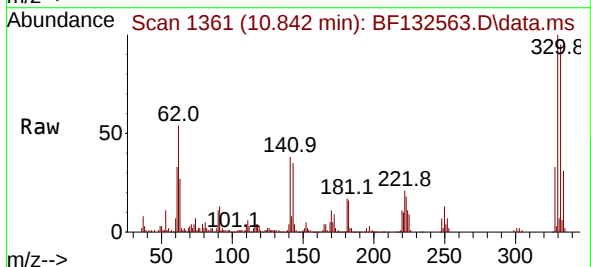
Tgt Ion:330 Resp: 189746

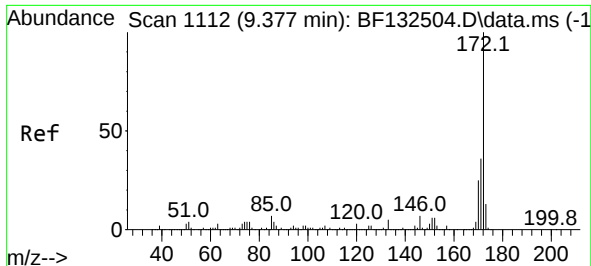
Ion Ratio Lower Upper

330 100

332 95.2 76.2 114.4

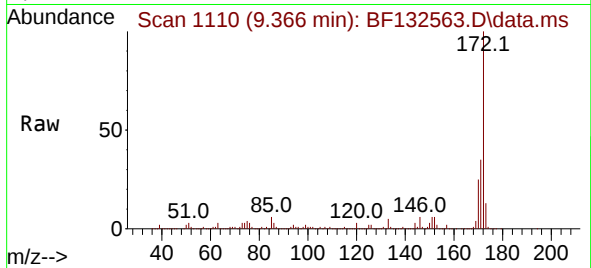
141 37.3 28.4 42.6





#45
2-Fluorobiphenyl
Concen: 58.855 ng
RT: 9.366 min Scan# 1110
Delta R.T. -0.006 min
Lab File: BF132563.D
Acq: 27 Feb 2023 20:53

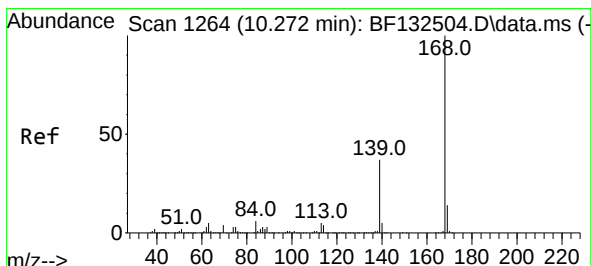
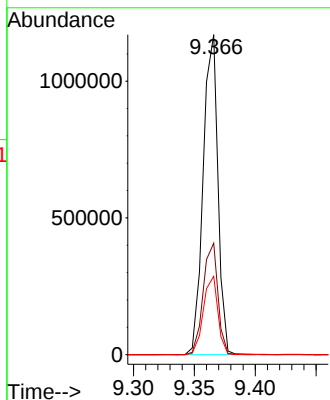
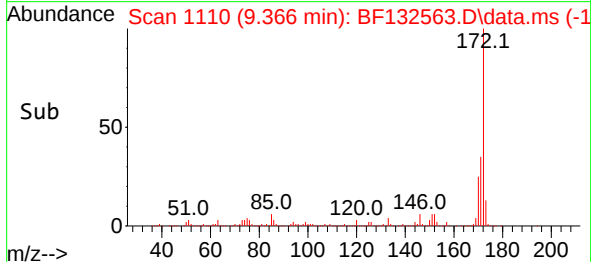
Instrument :
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Tgt Ion:172 Resp: 988978
Ion Ratio Lower Upper
172 100
171 34.9 28.8 43.2
170 24.5 19.7 29.5

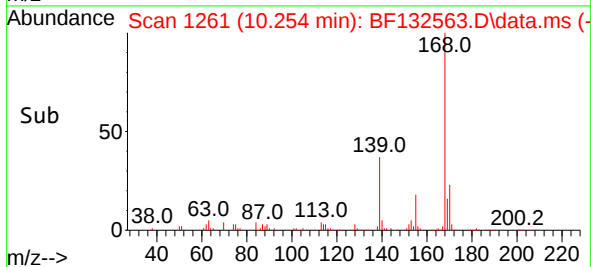
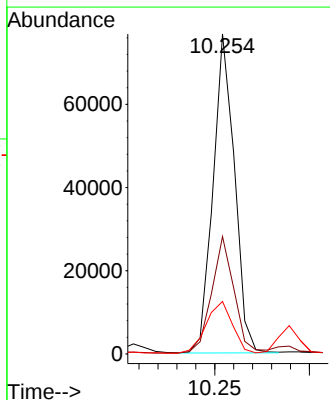
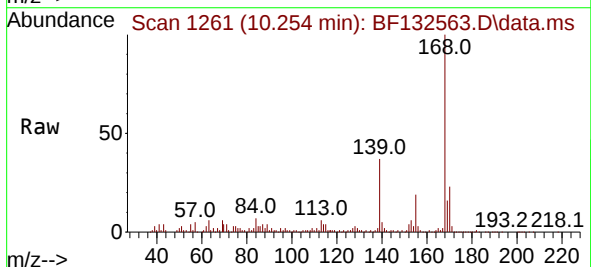
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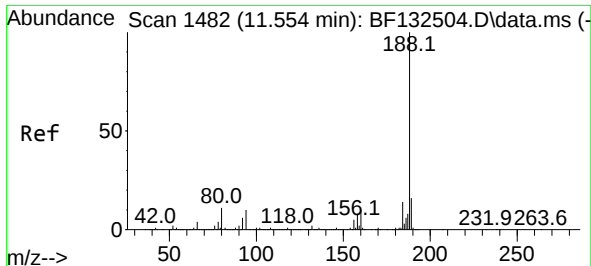
Reviewed By :Yogesh Patel 02/28/2023
Supervised By :Jagrut Upadhyay 02/28/2023



#55
Dibenzofuran
Concen: 2.673 ng
RT: 10.254 min Scan# 1261
Delta R.T. -0.006 min
Lab File: BF132563.D
Acq: 27 Feb 2023 20:53

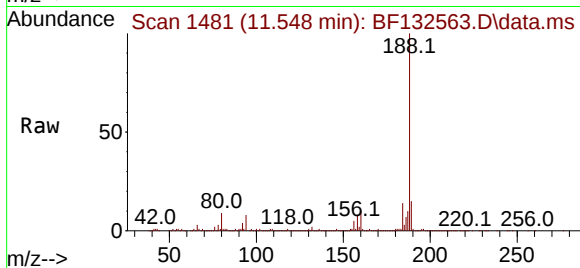
Tgt Ion:168 Resp: 60471
Ion Ratio Lower Upper
168 100
139 36.7 29.8 44.6
169 16.4 10.9 16.3#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.548 min Scan# 1481
Delta R.T. 0.000 min
Lab File: BF132563.D
Acq: 27 Feb 2023 20:53

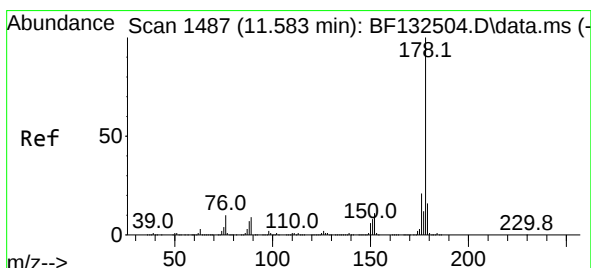
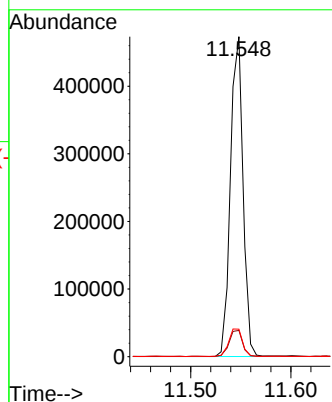
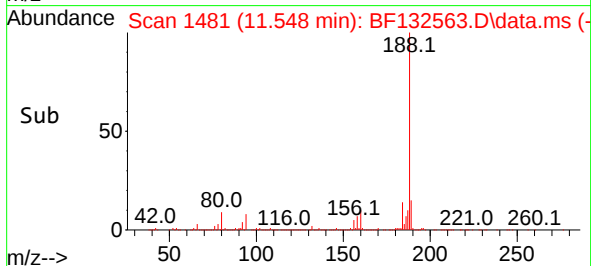
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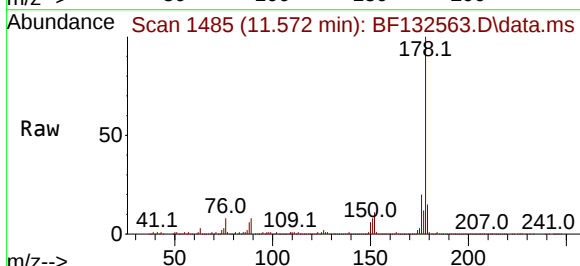
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Ion Ratio Lower Upper
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94 8.2 8.3 12.5
80 8.6 8.7 13.1

Manual Integrations
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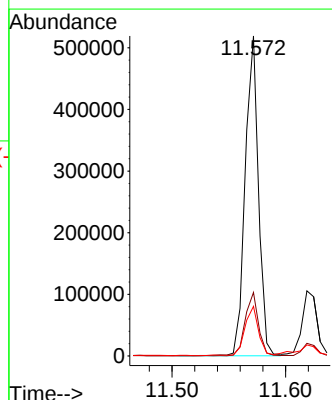
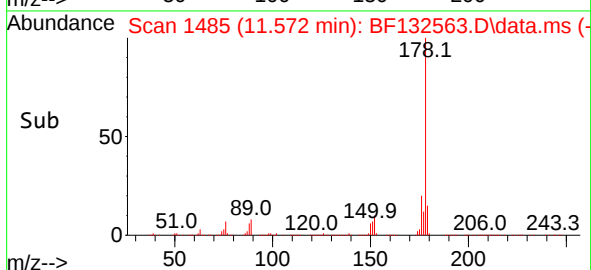
Reviewed By :Yogesh Patel 02/28/2023
Supervised By :Jagrut Upadhyay 02/28/2023

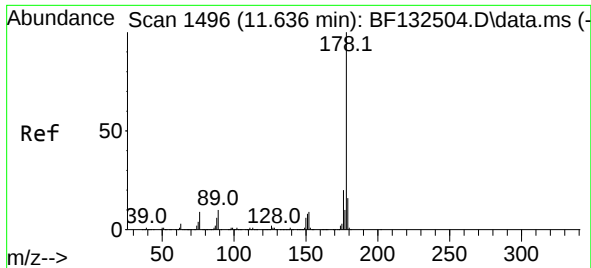


#71
Phenanthrene
Concen: 19.668 ng
RT: 11.572 min Scan# 1485
Delta R.T. -0.006 min
Lab File: BF132563.D
Acq: 27 Feb 2023 20:53



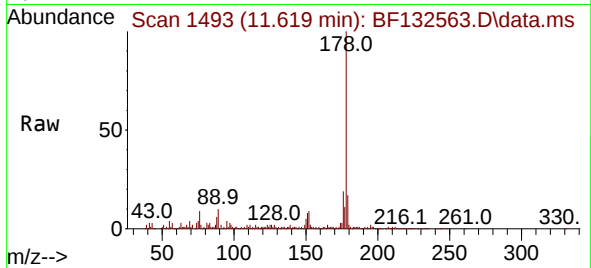
Tgt Ion:178 Resp: 420146
Ion Ratio Lower Upper
178 100
176 19.9 16.5 24.7
179 15.5 13.0 19.6





#72
 Anthracene
 Concen: 4.127 ng
 RT: 11.619 min Scan# 1496
 Delta R.T. -0.012 min
 Lab File: BF132563.D
 Acq: 27 Feb 2023 20:53

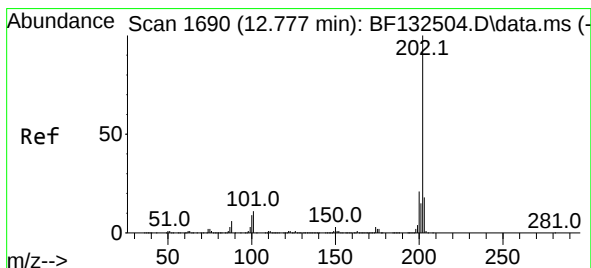
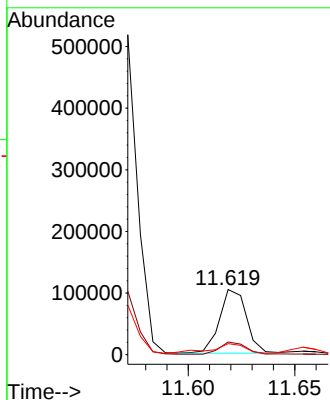
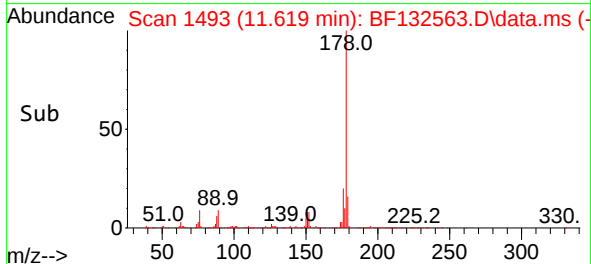
Instrument :
 BNA_F
 ClientSampleId :
 B-19-SB01



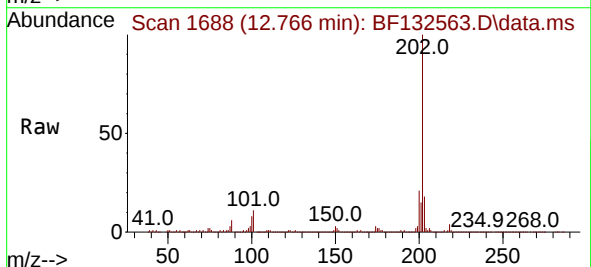
Tgt Ion:178 Resp: 9078
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.6 23.4
 179 16.9 12.5 18.7

Manual Integrations
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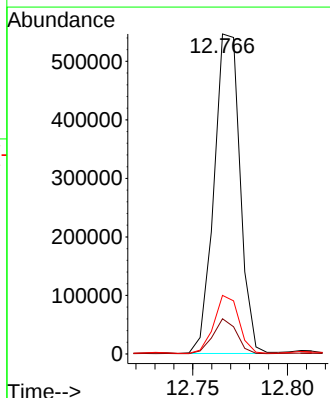
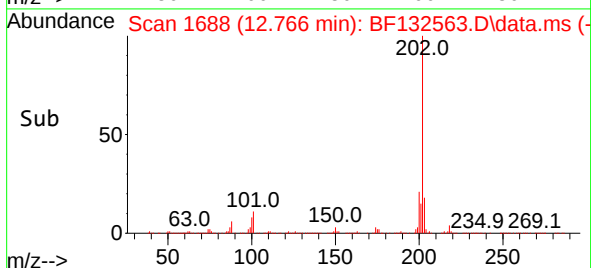
Reviewed By :Yogesh Patel 02/28/2023
 Supervised By :Jagrut Upadhyay 02/28/2023

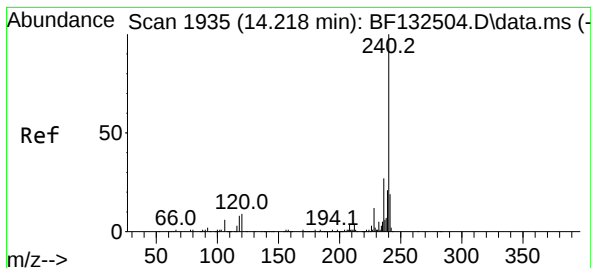


#75
 Fluoranthene
 Concen: 22.314 ng
 RT: 12.766 min Scan# 1688
 Delta R.T. -0.006 min
 Lab File: BF132563.D
 Acq: 27 Feb 2023 20:53



Tgt Ion:202 Resp: 521099
 Ion Ratio Lower Upper
 202 100
 101 11.0 0.0 31.4
 203 18.3 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.207 min Scan# 1935

Delta R.T. 0.000 min

Lab File: BF132563.D

Acq: 27 Feb 2023 20:53

Instrument :

BNA_F

ClientSampleId :

B-19-SB01

Tgt Ion:240 Resp: 315404

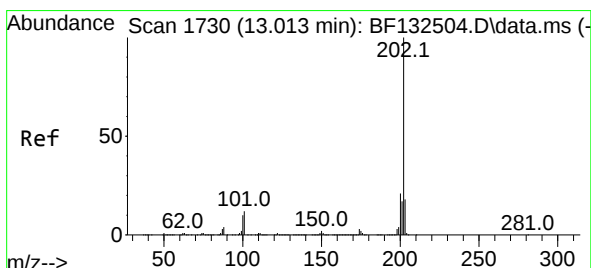
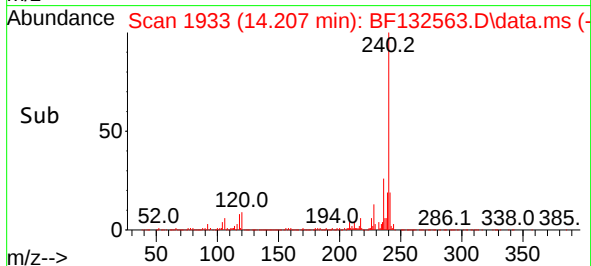
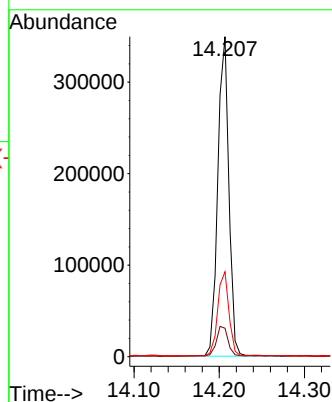
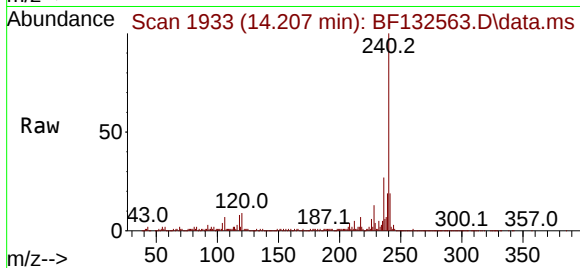
Ion	Ratio	Lower	Upper
240	100		
120	8.9	7.2	10.8
236	26.6	21.8	32.6

Manual Integrations

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Reviewed By :Yogesh Patel 02/28/2023

Supervised By :Jagrut Upadhyay 02/28/2023



#78

Pyrene

Concen: 17.799 ng

RT: 13.001 min Scan# 1728

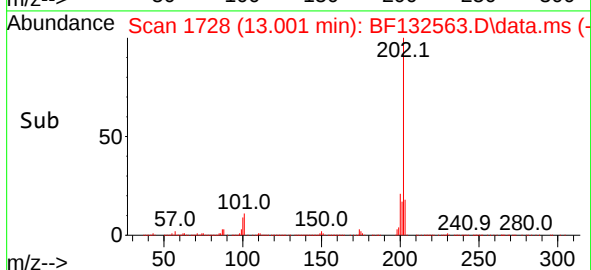
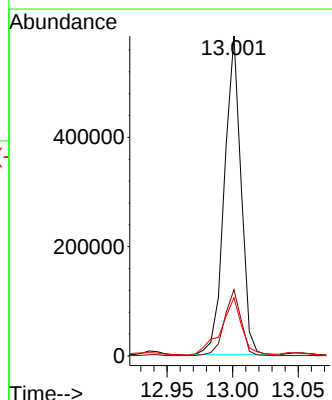
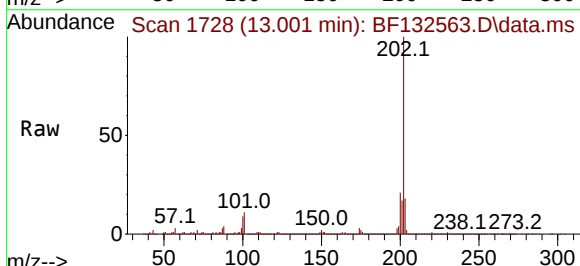
Delta R.T. 0.000 min

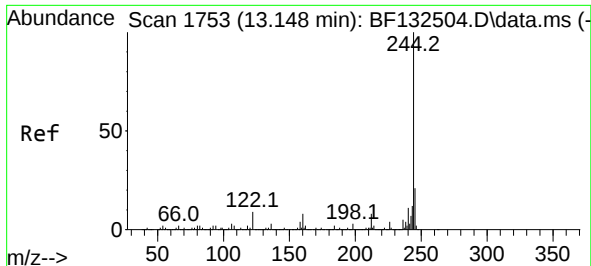
Lab File: BF132563.D

Acq: 27 Feb 2023 20:53

Tgt Ion:202 Resp: 510413

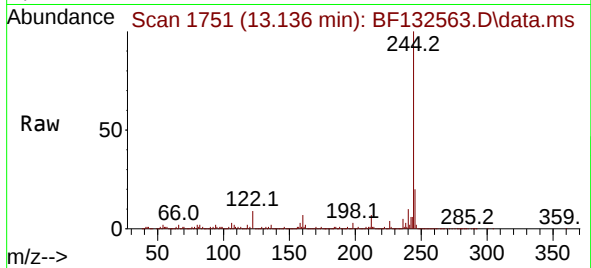
Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.1	25.7
203	18.2	14.6	21.8





#79
 Terphenyl-d14
 Concen: 46.448 ng
 RT: 13.136 min Scan# 1751
 Delta R.T. -0.006 min
 Lab File: BF132563.D
 Acq: 27 Feb 2023 20:53

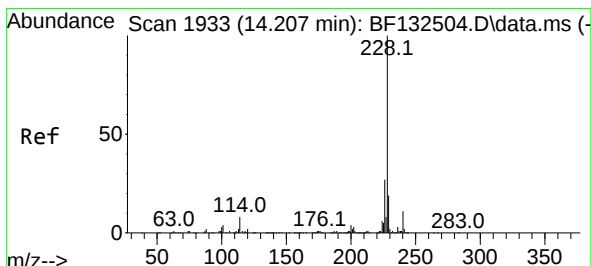
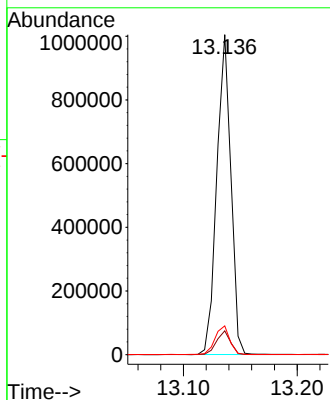
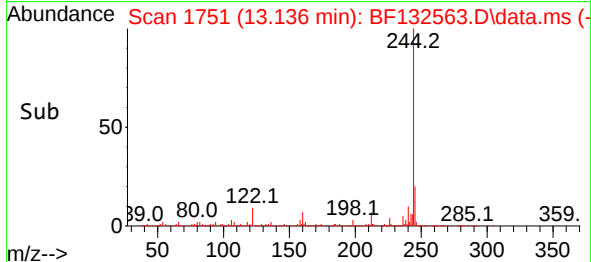
Instrument :
 BNA_F
 ClientSampleId :
 B-19-SB01



Tgt Ion:244 Resp: 86646
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.5 9.7
 122 9.0 7.5 11.3

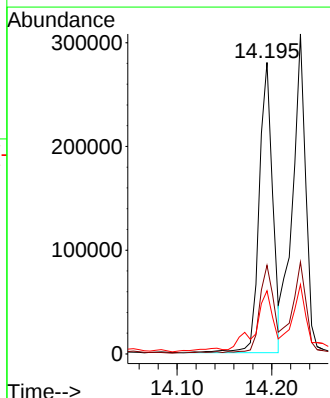
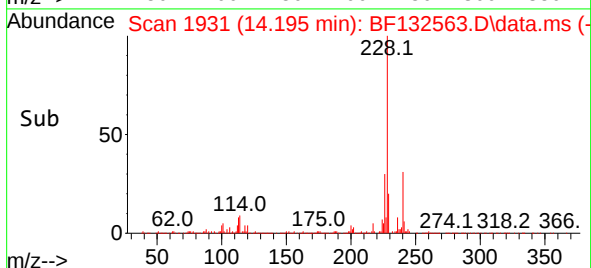
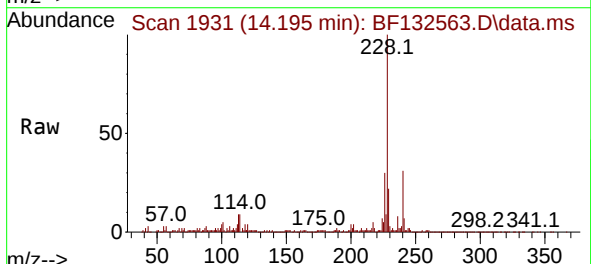
Manual Integrations
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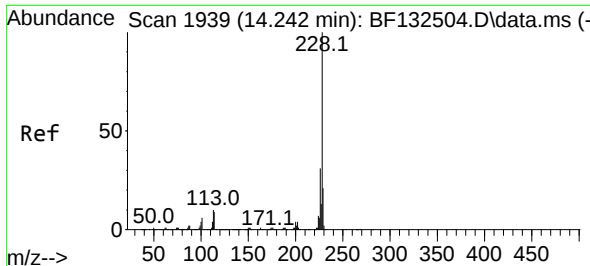
Reviewed By :Yogesh Patel 02/28/2023
 Supervised By :Jagrut Upadhyay 02/28/2023



#81
 Benzo(a)anthracene
 Concen: 11.726 ng
 RT: 14.195 min Scan# 1931
 Delta R.T. 0.000 min
 Lab File: BF132563.D
 Acq: 27 Feb 2023 20:53

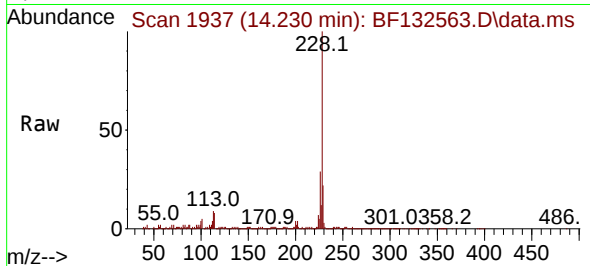
Tgt Ion:228 Resp: 276719
 Ion Ratio Lower Upper
 228 100
 226 30.4 21.7 32.5
 229 21.7 15.4 23.2





#83
Chrysene
Concen: 13.518 ng
RT: 14.230 min Scan# 1939
Delta R.T. -0.006 min
Lab File: BF132563.D
Acq: 27 Feb 2023 20:53

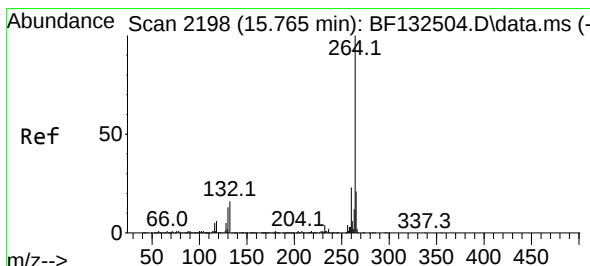
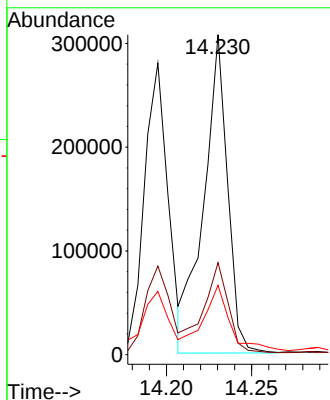
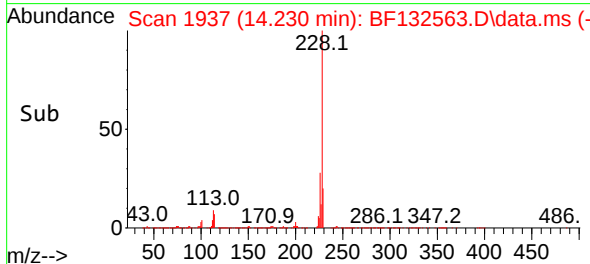
Instrument :
BNA_F
ClientSampleId :
B-19-SB01



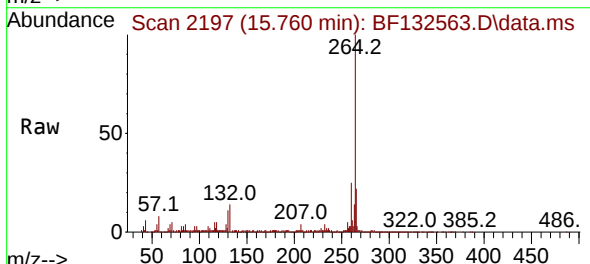
Tgt Ion:228 Resp: 298327
Ion Ratio Lower Upper
228 100
226 28.8 25.0 37.6
229 21.7 16.4 24.6

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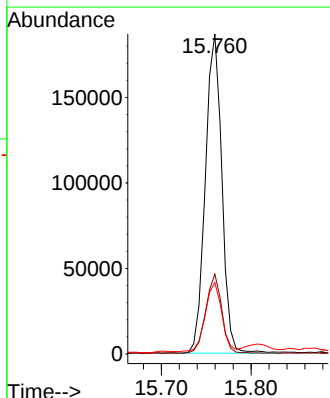
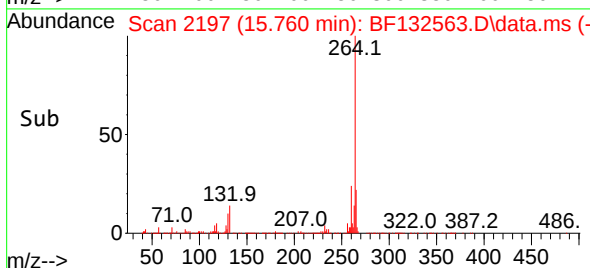
Reviewed By :Yogesh Patel 02/28/2023
Supervised By :Jagrut Upadhyay 02/28/2023

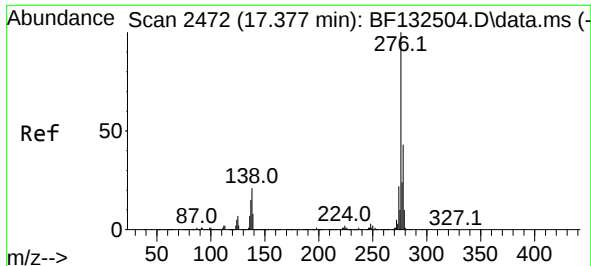


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.760 min Scan# 2197
Delta R.T. 0.006 min
Lab File: BF132563.D
Acq: 27 Feb 2023 20:53



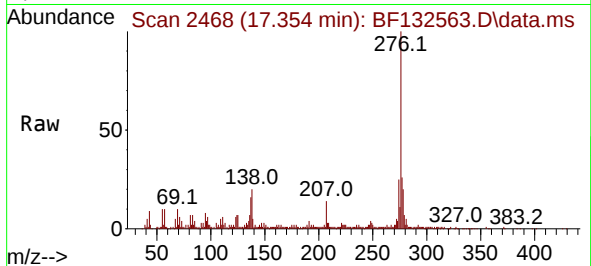
Tgt Ion:264 Resp: 238372
Ion Ratio Lower Upper
264 100
260 25.0 18.8 28.2
265 22.3 17.1 25.7





#87
Indeno(1,2,3-cd)pyrene
Concen: 5.906 ng
RT: 17.354 min Scan# 2468
Delta R.T. -0.006 min
Lab File: BF132563.D
Acq: 27 Feb 2023 20:53

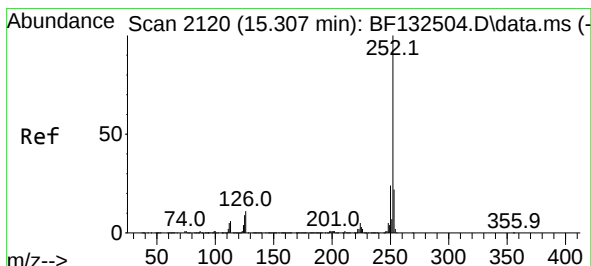
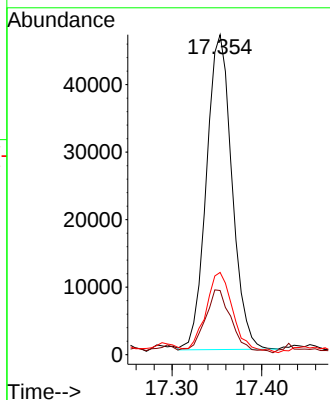
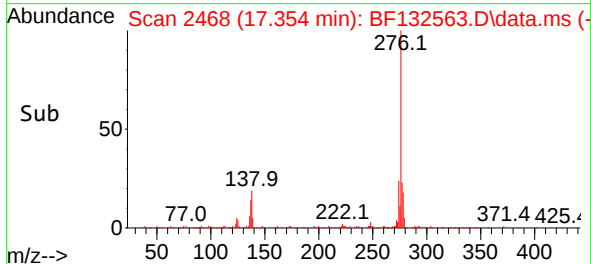
Instrument :
BNA_F
ClientSampleId :
B-19-SB01



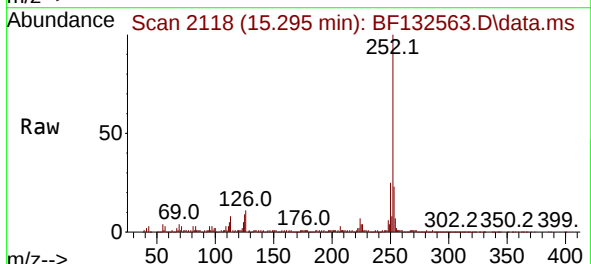
Tgt Ion: 276 Resp: 92240
Ion Ratio Lower Upper
276 100
138 20.9 19.0 28.4
277 27.2 20.0 30.0

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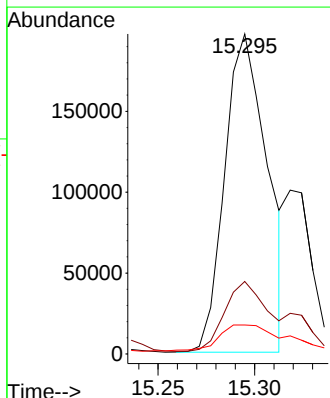
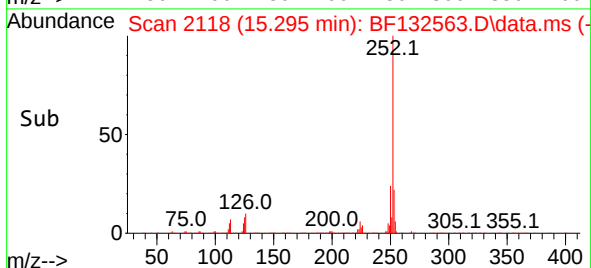
Reviewed By :Yogesh Patel 02/28/2023
Supervised By :Jagrut Upadhyay 02/28/2023

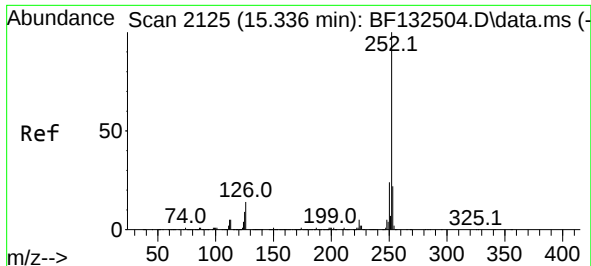


#88
Benzo(b)fluoranthene
Concen: 18.877 ng m
RT: 15.295 min Scan# 2118
Delta R.T. 0.000 min
Lab File: BF132563.D
Acq: 27 Feb 2023 20:53



Tgt Ion: 252 Resp: 301557
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.0
125 9.1 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 6.128 ng m

RT: 15.318 min Scan# 2125

Delta R.T. -0.006 min

Lab File: BF132563.D

Acq: 27 Feb 2023 20:53

Instrument :

BNA_F

ClientSampleId :

B-19-SB01

Tgt Ion:252 Resp: 95810

Ion Ratio Lower Upper

252 100

253 24.8 17.5 26.3

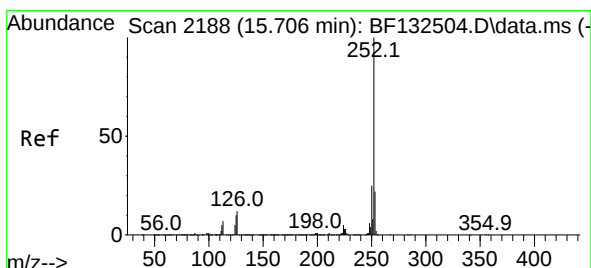
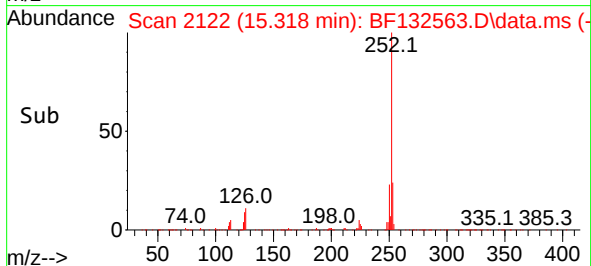
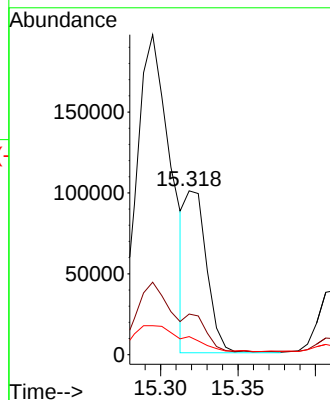
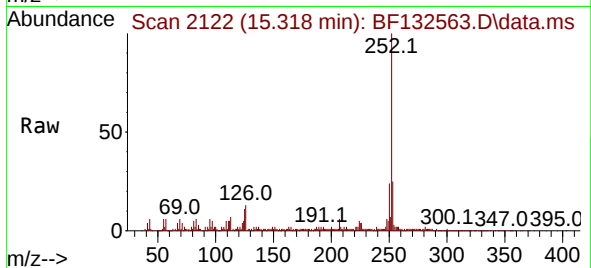
125 11.1 7.2 10.8

Manual Integrations

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Reviewed By :Yogesh Patel 02/28/2023

Supervised By :Jagrut Upadhyay 02/28/2023



#90

Benzo(a)pyrene

Concen: 11.524 ng

RT: 15.689 min Scan# 2185

Delta R.T. 0.000 min

Lab File: BF132563.D

Acq: 27 Feb 2023 20:53

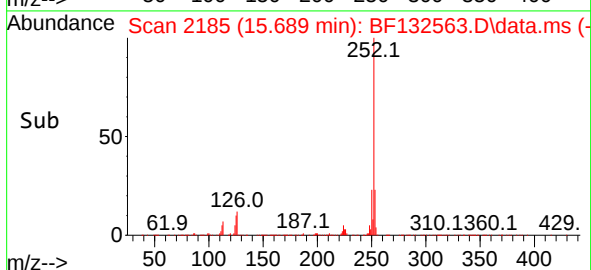
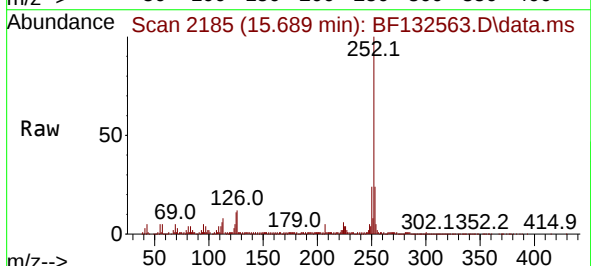
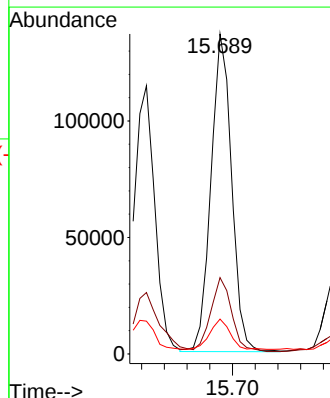
Tgt Ion:252 Resp: 172293

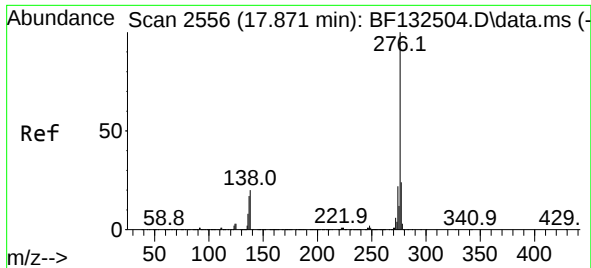
Ion Ratio Lower Upper

252 100

253 23.8 17.2 25.8

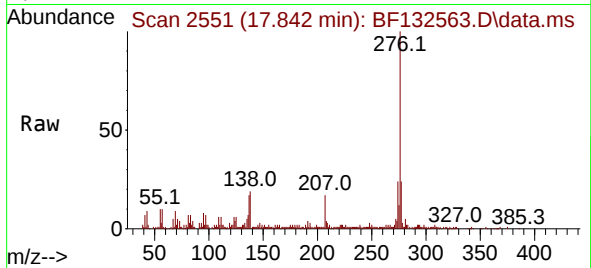
125 10.9 8.0 12.0





#92
Benzo(g,h,i)perylene
Concen: 7.797 ng
RT: 17.842 min Scan# 2551
Delta R.T. -0.012 min
Lab File: BF132563.D
Acq: 27 Feb 2023 20:53

Instrument :
BNA_F
ClientSampleId :
B-19-SB01



Tgt Ion:276 Resp: 9201
Ion Ratio Lower Upper
276 100
277 23.7 18.9 28.3
138 18.9 16.2 24.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/28/2023
Supervised By :Jagrut Upadhyay 02/28/2023

