

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050523\
 Data File : BF133259.D
 Acq On : 05 May 2023 12:28
 Operator : CG\JU
 Sample : 02597-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-1-20230503

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/08/2023
 Supervised By : Jagrut Upadhyay 05/08/2023

Quant Time: May 06 05:46:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 05 10:49:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	207482	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	833045	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	431688	20.000	ng	0.00
64) Phenanthrene-d10	11.245	188	735801	20.000	ng	0.00
76) Chrysene-d12	13.874	240	397220	20.000	ng	0.00
86) Perylene-d12	15.298	264	416711	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.345	112	789076	57.450	ng	0.01
7) Phenol-d6	6.363	99	586933	34.428	ng	0.00
23) Nitrobenzene-d5	7.292	82	1159708	75.143	ng	0.00
42) 2,4,6-Tribromophenol	10.551	330	464765	107.053	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	1893973	73.401	ng	0.00
79) Terphenyl-d14	12.833	244	1867561	81.087	ng	0.00
Target Compounds						Qvalue
22) Acetophenone	7.134	105	60787	3.150	ng	# 90
31) Naphthalene	8.033	128	1020423	24.500	ng	100
32) Benzoic acid	7.763	122	104590m	13.091	ng	
37) 2-Methylnaphthalene	8.722	142	150092	5.271	ng	96
38) 1-Methylnaphthalene	8.822	142	115518	4.337	ng	98
52) Acenaphthene	9.792	154	146599	5.468	ng	97
55) Dibenzofuran	9.963	168	99665	2.725	ng	100
58) Fluorene	10.304	166	96883	3.616	ng	99
71) Phenanthrene	11.263	178	165430	4.183	ng	100
73) Carbazole	11.474	167	267420	7.421	ng	100

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

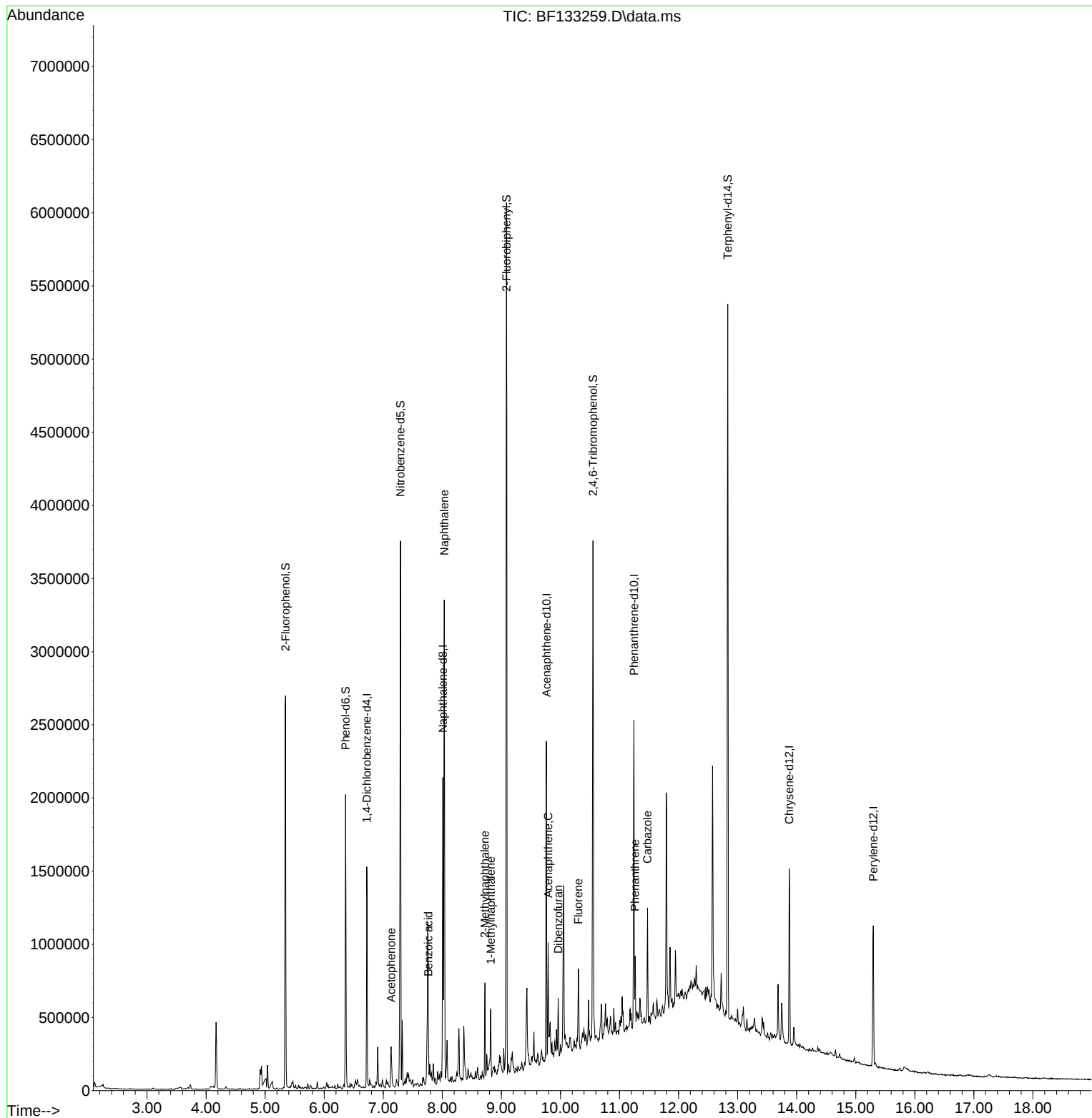
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050523\
Data File : BF133259.D
Acq On : 05 May 2023 12:28
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ALS Vial : 6 Sample Multiplier: 1

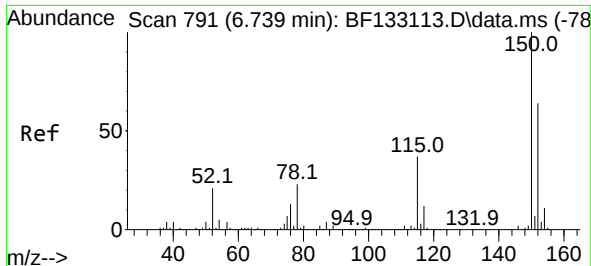
Instrument :
BNA_F
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MW-1-20230503

Quant Time: May 06 05:46:46 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 05 10:49:34 2023
Response via : Initial Calibration

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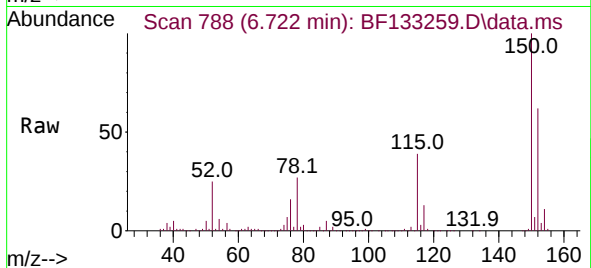
Reviewed By : Christian Giraldo 05/08/2023
Supervised By : Jagrut Upadhyay 05/08/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF133259.D
Acq: 05 May 2023 12:28

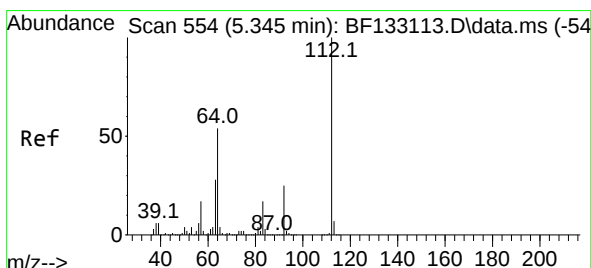
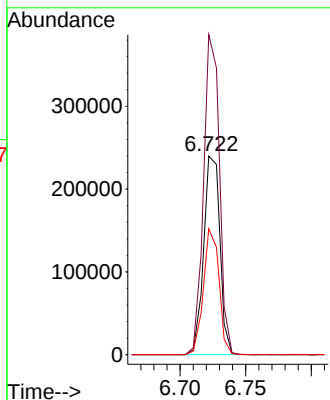
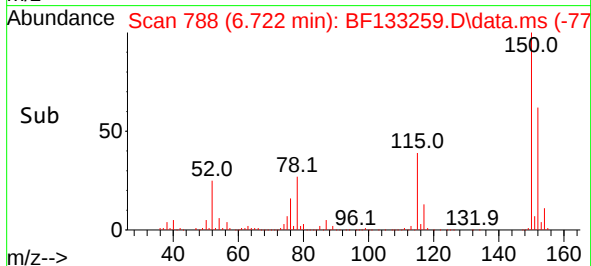
Instrument :
BNA_F
ClientSampleId :
MW-1-20230503



Tgt Ion:152 Resp: 20748
Ion Ratio Lower Upper
152 100
150 161.2 124.8 187.2
115 63.4 49.9 74.9

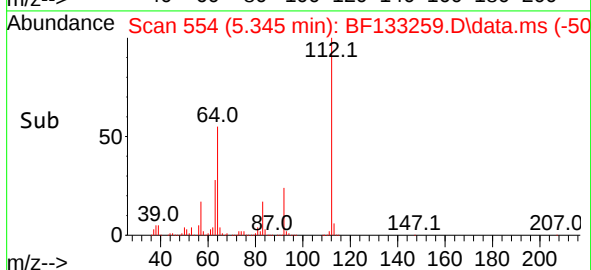
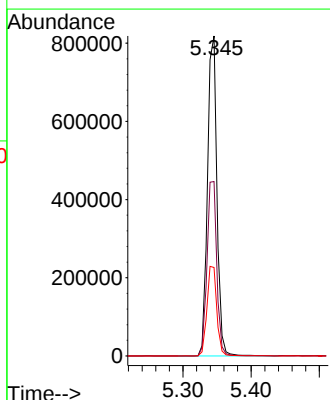
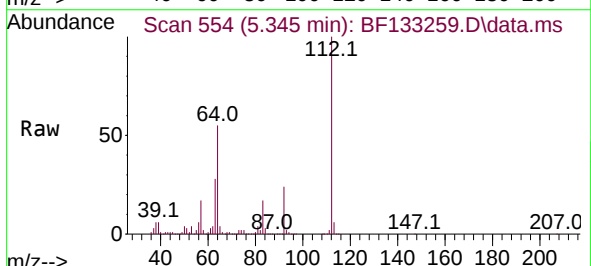
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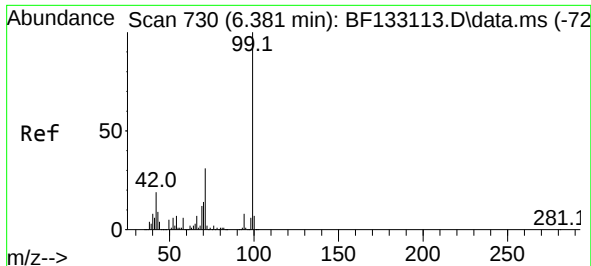
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#5
2-Fluorophenol
Concen: 57.450 ng
RT: 5.345 min Scan# 554
Delta R.T. 0.012 min
Lab File: BF133259.D
Acq: 05 May 2023 12:28

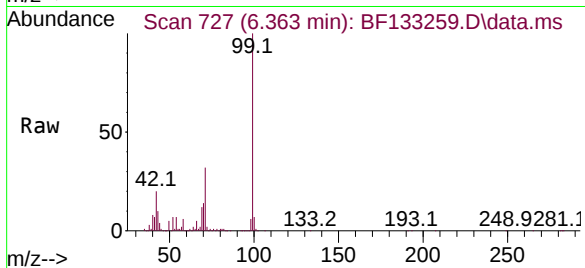
Tgt Ion:112 Resp: 789076
Ion Ratio Lower Upper
112 100
64 54.5 46.8 70.2
63 27.6 23.8 35.8





#7
Phenol-d6
Concen: 34.428 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133259.D
Acq: 05 May 2023 12:28

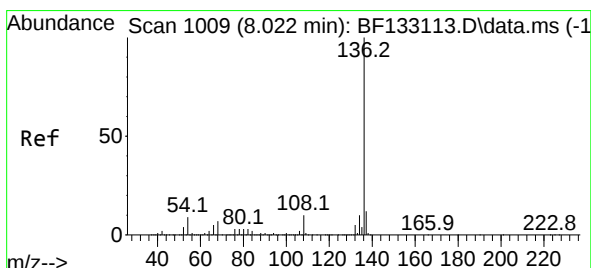
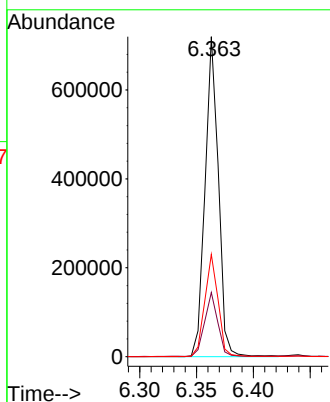
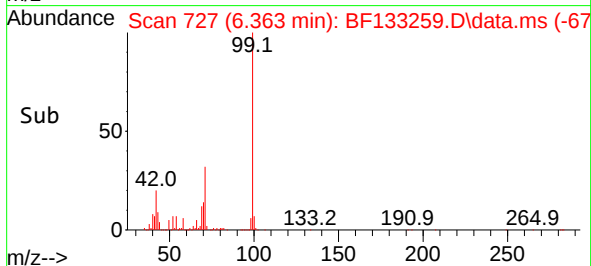
Instrument :
BNA_F
ClientSampleId :
MW-1-20230503



Tgt Ion: 99 Resp: 58693
Ion Ratio Lower Upper
99 100
42 20.1 16.3 24.5
71 31.9 25.6 38.4

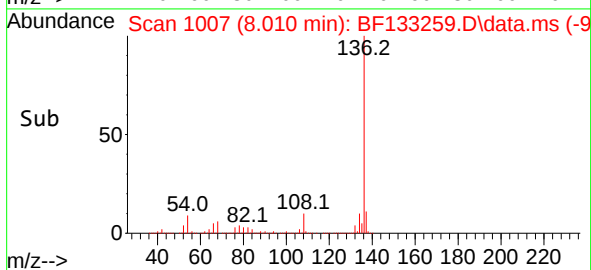
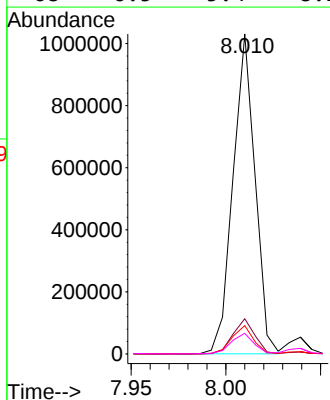
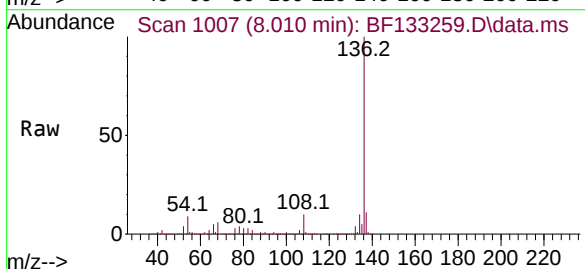
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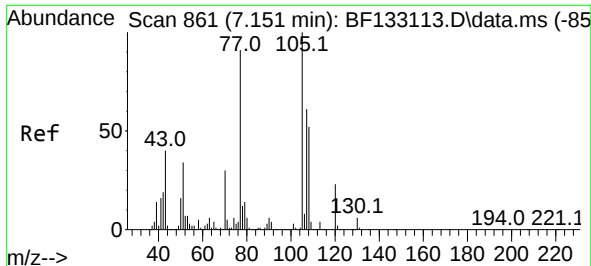
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BF133259.D
Acq: 05 May 2023 12:28

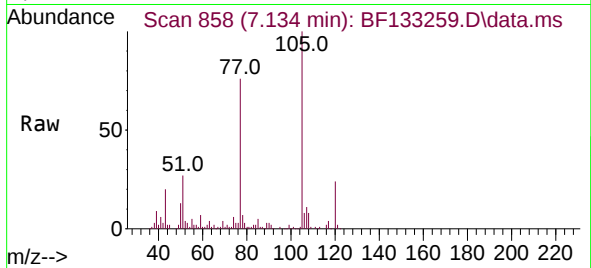
Tgt Ion:136 Resp: 833045
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.8 7.0 10.4
68 6.5 5.4 8.2





#22
Acetophenone
Concen: 3.150 ng
RT: 7.134 min Scan# 810
Delta R.T. -0.012 min
Lab File: BF133259.D
Acq: 05 May 2023 12:28

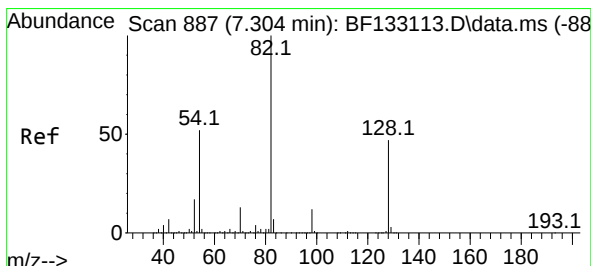
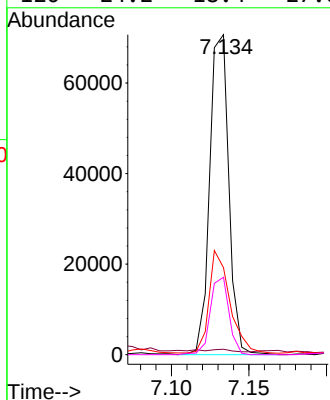
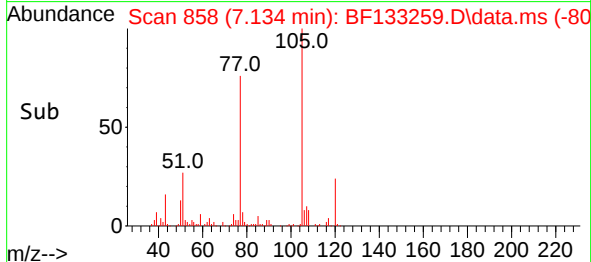
Instrument :
BNA_F
ClientSampleId :
MW-1-20230503



Tgt Ion: 105 Resp: 6078
Ion Ratio Lower Upper
105 100
71 1.7 4.6 7.0
51 27.2 28.2 42.2
120 24.2 18.4 27.6

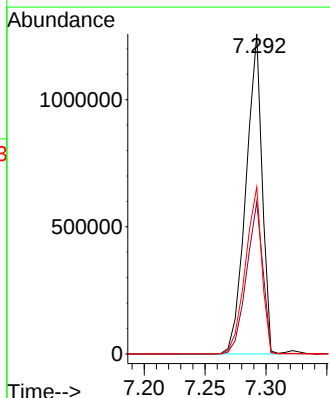
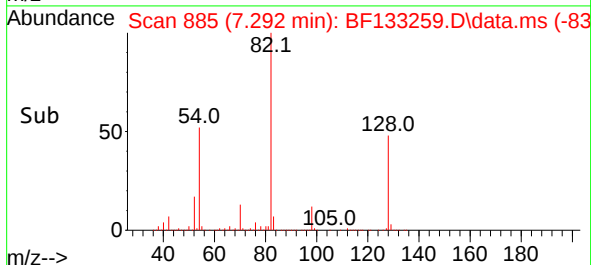
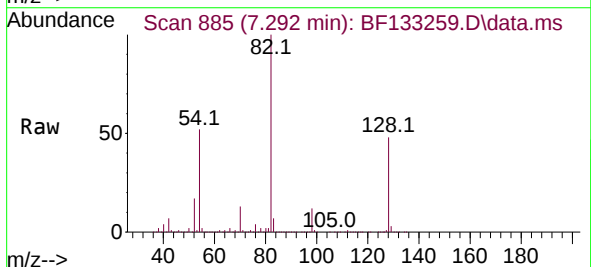
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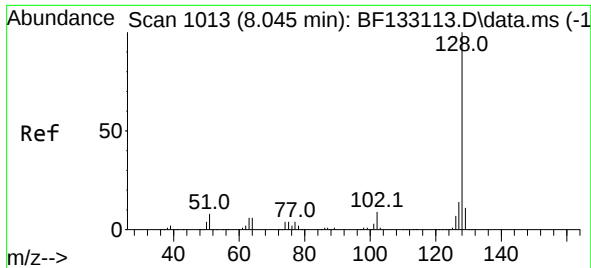
Reviewed By : Christian Giraldo 05/08/2023
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#23
Nitrobenzene-d5
Concen: 75.143 ng
RT: 7.292 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF133259.D
Acq: 05 May 2023 12:28

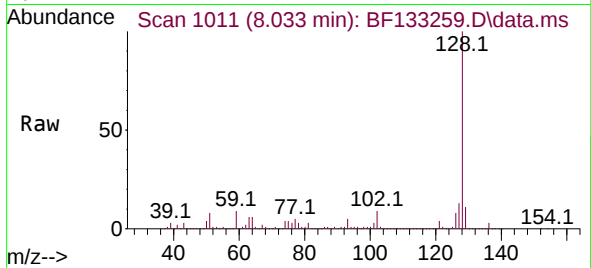
Tgt Ion: 82 Resp: 1159708
Ion Ratio Lower Upper
82 100
128 47.5 37.7 56.5
54 52.2 43.0 64.4





#31
Naphthalene
Concen: 24.500 ng
RT: 8.033 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF133259.D
Acq: 05 May 2023 12:28

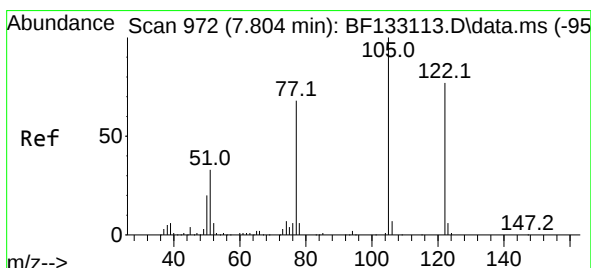
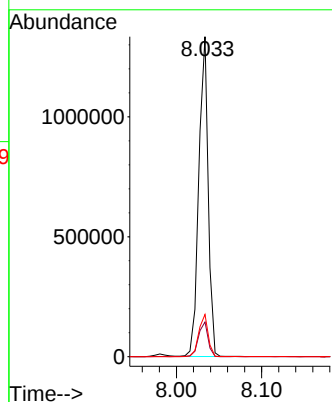
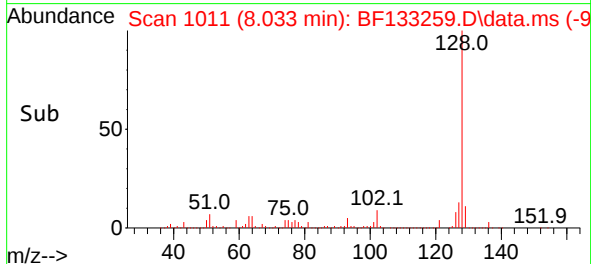
Instrument :
BNA_F
ClientSampleId :
MW-1-20230503



Tgt Ion:128 Resp: 102042
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 13.2 10.7 16.1

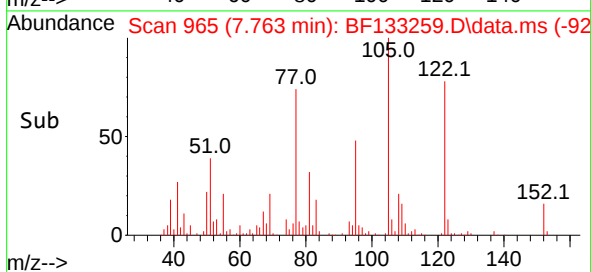
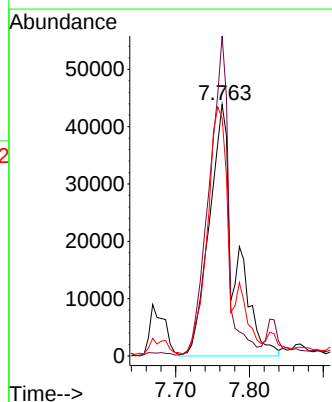
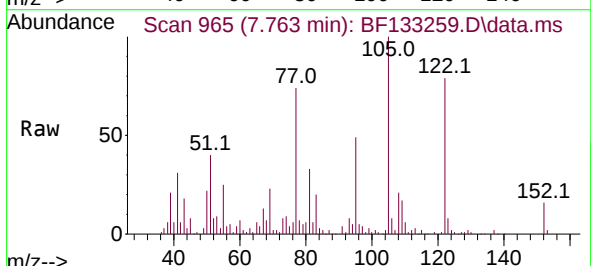
Manual Integrations
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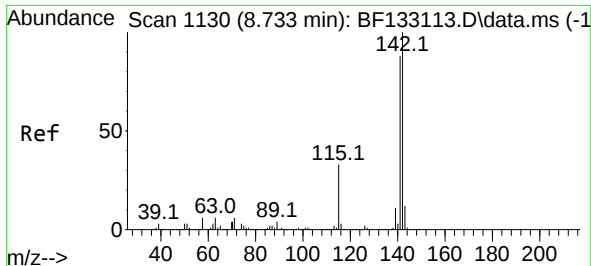
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#32
Benzoic acid
Concen: 13.091 ng m
RT: 7.763 min Scan# 965
Delta R.T. -0.035 min
Lab File: BF133259.D
Acq: 05 May 2023 12:28

Tgt Ion:122 Resp: 104590
Ion Ratio Lower Upper
122 100
105 127.2 104.2 144.2
77 94.6 69.7 109.7





#37

2-Methylnaphthalene

Concen: 5.271 ng

RT: 8.722 min Scan# 1128

Delta R.T. -0.006 min

Lab File: BF133259.D

Acq: 05 May 2023 12:28

Instrument :

BNA_F

ClientSampleId :

MW-1-20230503

Tgt Ion:142 Resp: 150092

Ion Ratio Lower Upper

142 100

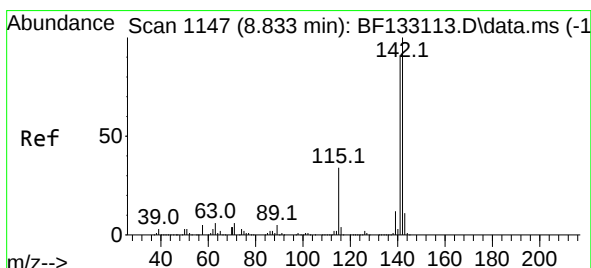
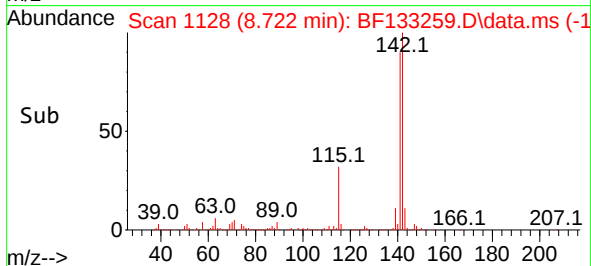
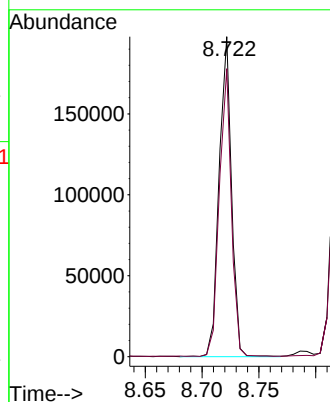
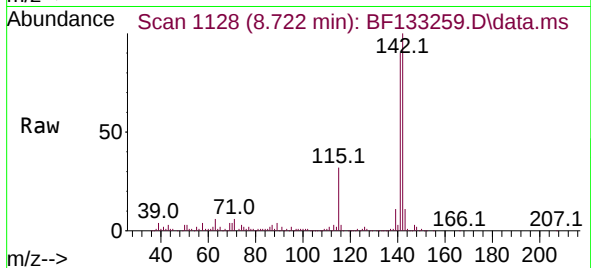
141 90.0 69.4 104.0

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/08/2023



#38

1-Methylnaphthalene

Concen: 4.337 ng

RT: 8.822 min Scan# 1145

Delta R.T. -0.000 min

Lab File: BF133259.D

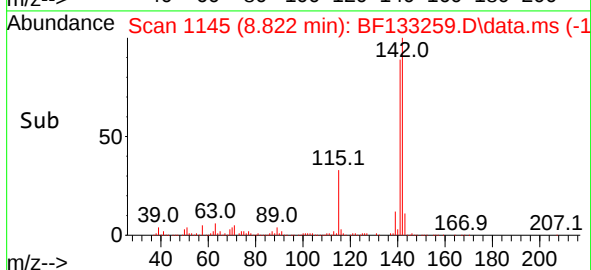
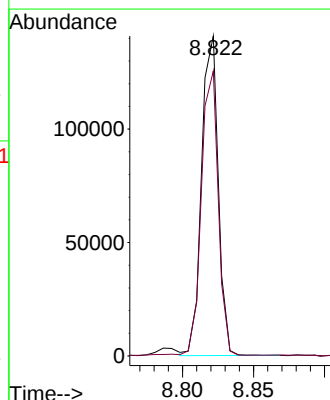
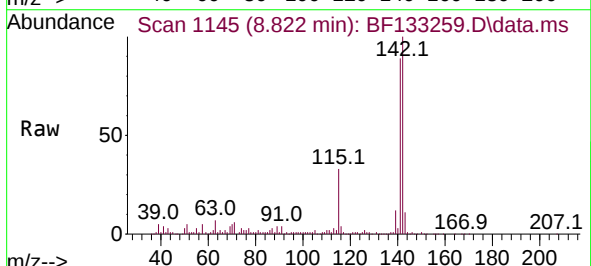
Acq: 05 May 2023 12:28

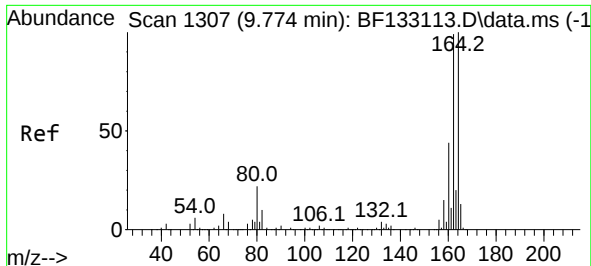
Tgt Ion:142 Resp: 115518

Ion Ratio Lower Upper

142 100

141 89.1 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.763 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF133259.D

Acq: 05 May 2023 12:28

Instrument :

BNA_F

ClientSampleId :

MW-1-20230503

Tgt Ion:164 Resp: 431688

Ion Ratio Lower Upper

164 100

162 98.1 78.7 118.1

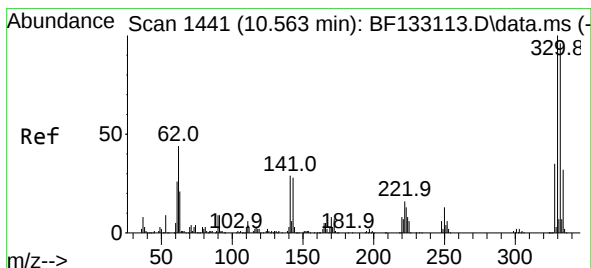
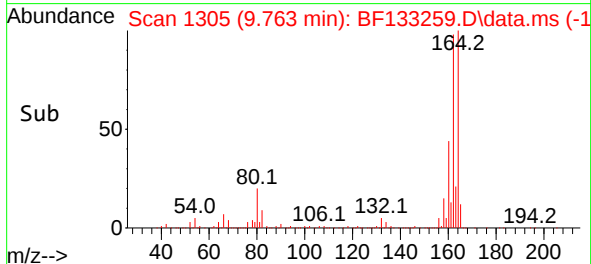
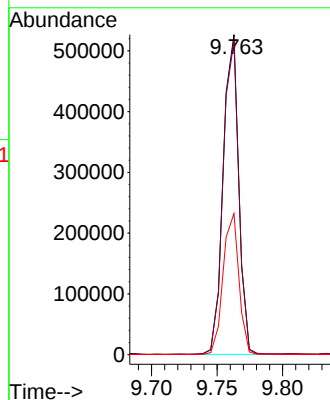
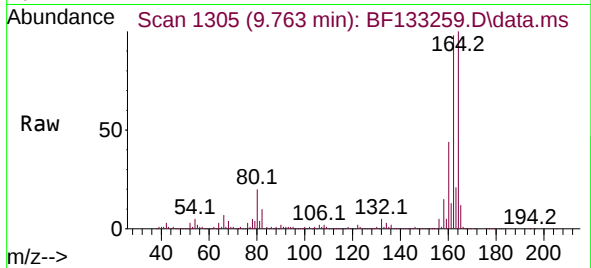
160 44.1 35.8 53.6

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/08/2023



#42

2,4,6-Tribromophenol

Concen: 107.053 ng

RT: 10.551 min Scan# 1439

Delta R.T. -0.006 min

Lab File: BF133259.D

Acq: 05 May 2023 12:28

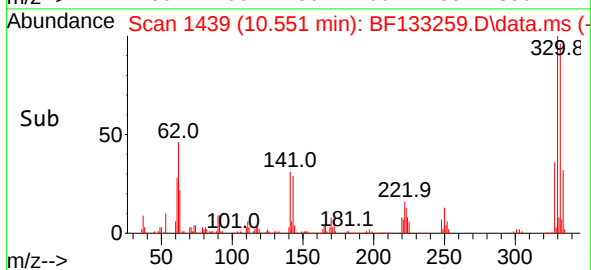
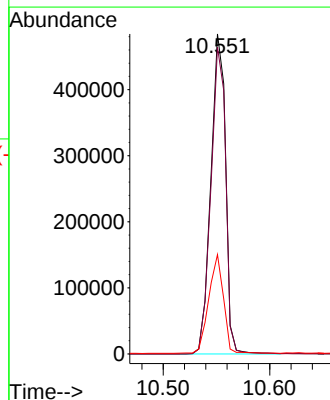
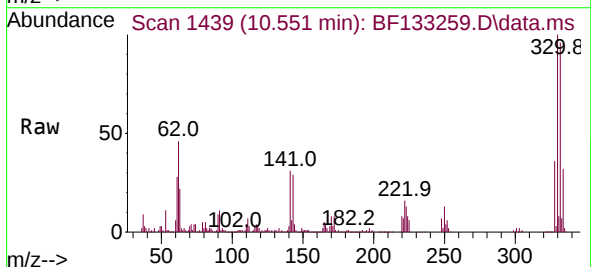
Tgt Ion:330 Resp: 464765

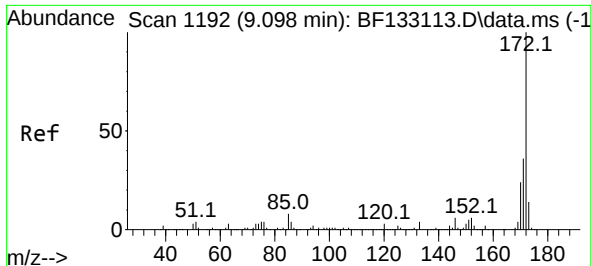
Ion Ratio Lower Upper

330 100

332 96.6 77.1 115.7

141 30.9 25.8 38.8





#45

2-Fluorobiphenyl

Concen: 73.401 ng

RT: 9.086 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF133259.D

Acq: 05 May 2023 12:28

Instrument :

BNA_F

ClientSampleId :

MW-1-20230503

Tgt Ion:172 Resp: 189397

Ion Ratio Lower Upper

172 100

171 36.1 28.8 43.2

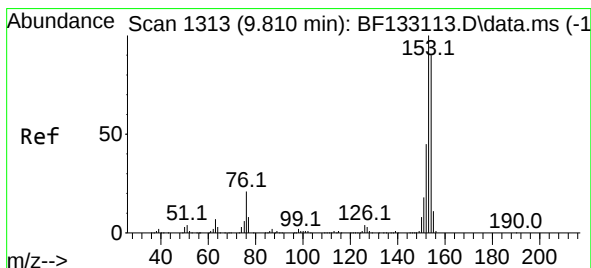
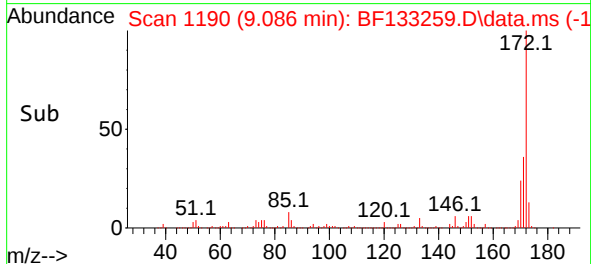
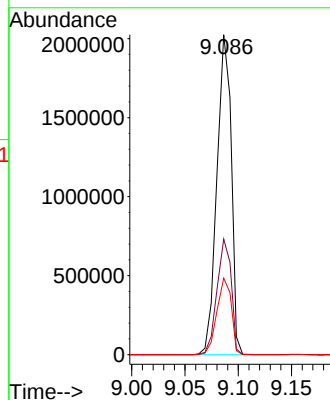
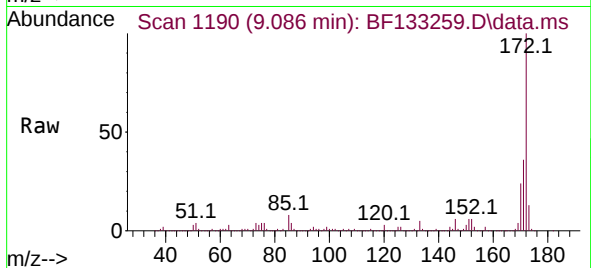
170 23.9 19.4 29.2

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/08/2023



#52

Acenaphthene

Concen: 5.468 ng

RT: 9.792 min Scan# 1310

Delta R.T. -0.006 min

Lab File: BF133259.D

Acq: 05 May 2023 12:28

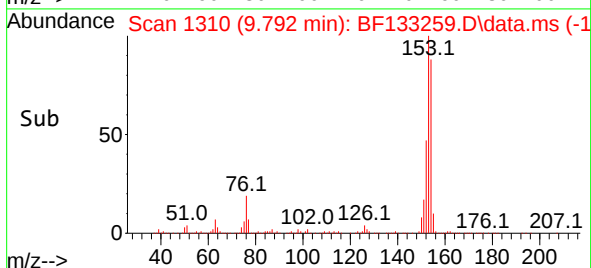
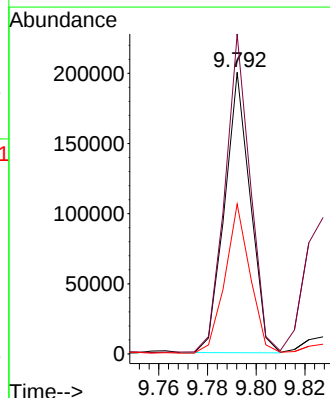
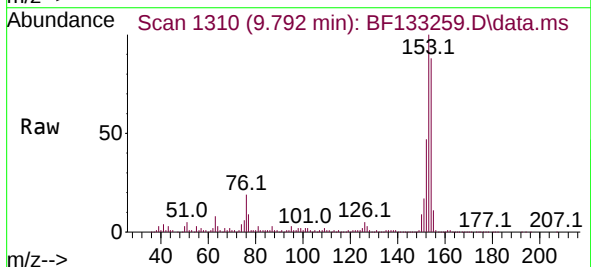
Tgt Ion:154 Resp: 146599

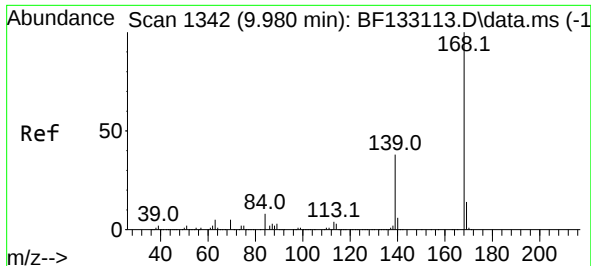
Ion Ratio Lower Upper

154 100

153 113.6 89.0 133.6

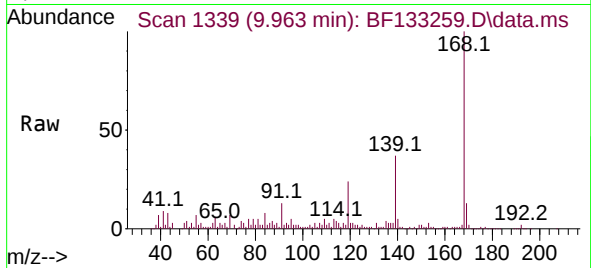
152 53.2 40.4 60.6





#55
Dibenzenofuran
Concen: 2.725 ng
RT: 9.963 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133259.D
Acq: 05 May 2023 12:28

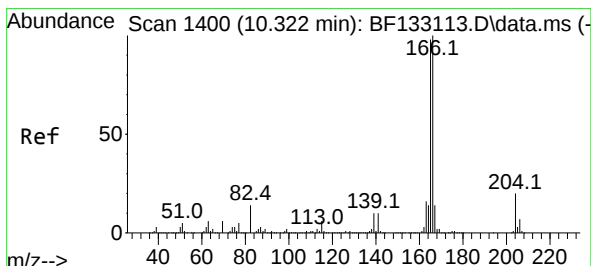
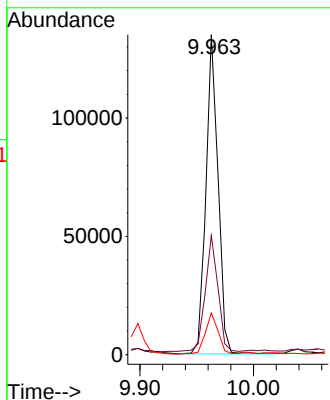
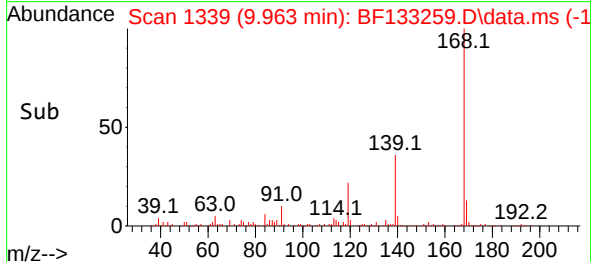
Instrument :
BNA_F
ClientSampleId :
MW-1-20230503



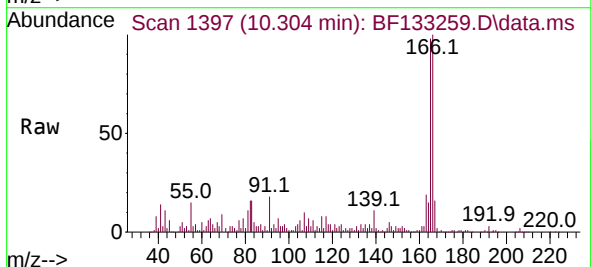
Tgt Ion:168 Resp: 9966
Ion Ratio Lower Upper
168 100
139 37.2 29.8 44.8
169 13.0 10.8 16.2

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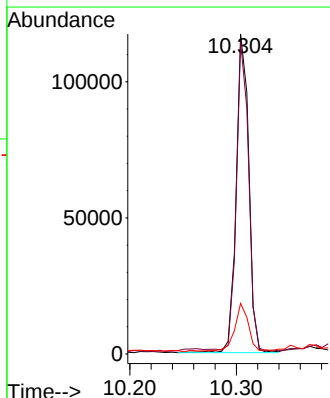
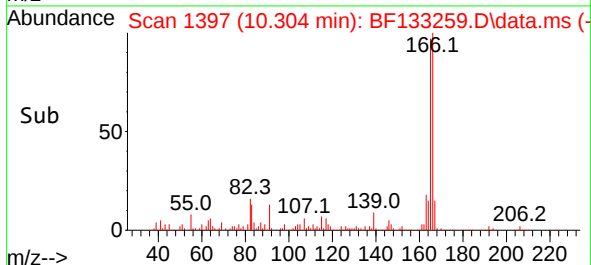
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023

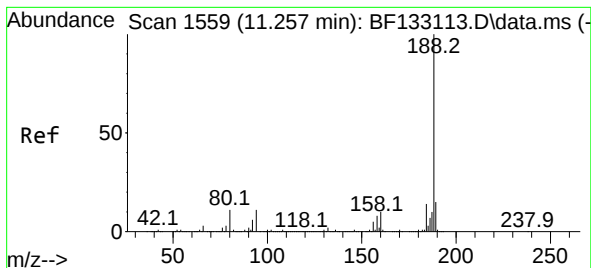


#58
Fluorene
Concen: 3.616 ng
RT: 10.304 min Scan# 1397
Delta R.T. -0.012 min
Lab File: BF133259.D
Acq: 05 May 2023 12:28



Tgt Ion:166 Resp: 96883
Ion Ratio Lower Upper
166 100
165 97.6 78.6 117.8
167 15.8 11.0 16.4





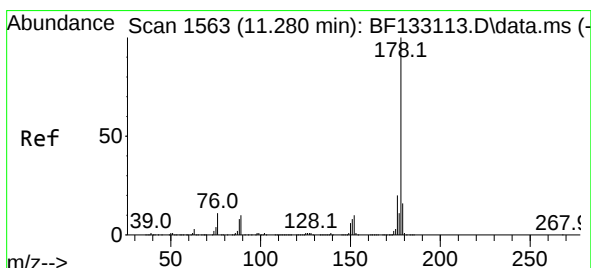
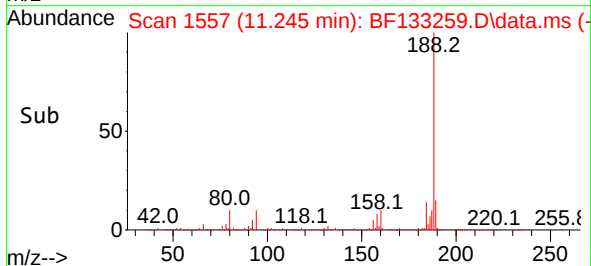
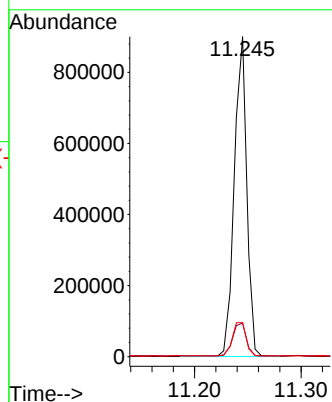
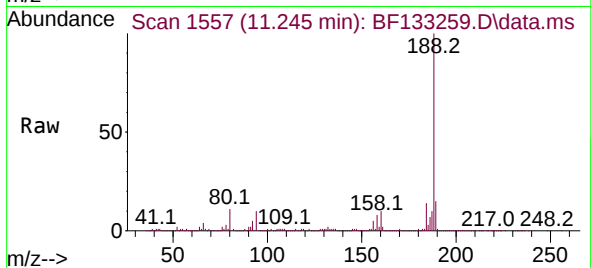
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.245 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF133259.D
Acq: 05 May 2023 12:28

Instrument :
BNA_F
ClientSampleId :
MW-1-20230503

Tgt Ion:188 Resp: 73580
Ion Ratio Lower Upper
188 100
94 10.5 9.7 14.5
80 10.7 10.4 15.6

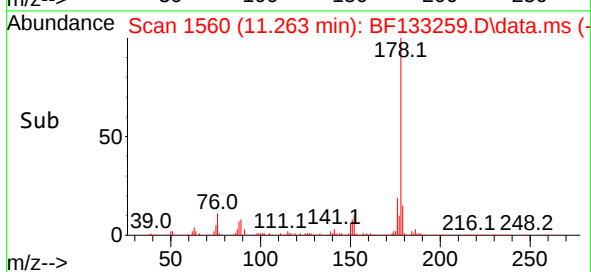
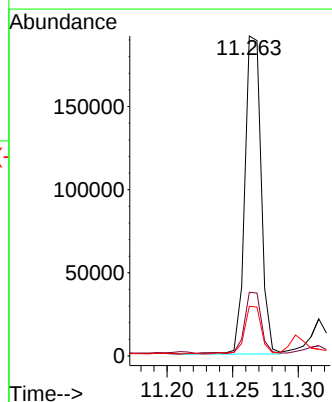
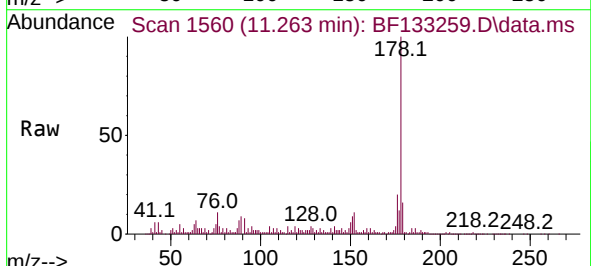
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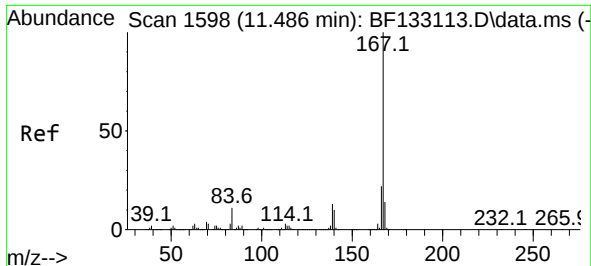
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#71
Phenanthrene
Concen: 4.183 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF133259.D
Acq: 05 May 2023 12:28

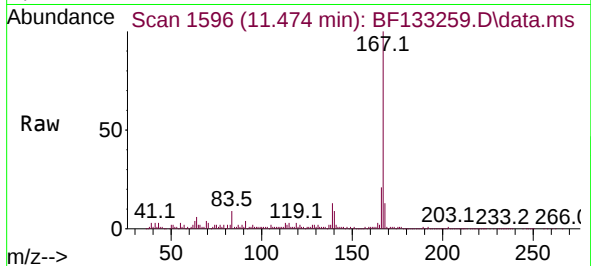
Tgt Ion:178 Resp: 165430
Ion Ratio Lower Upper
178 100
176 19.9 15.9 23.9
179 15.5 12.5 18.7





#73
 Carbazole
 Concen: 7.421 ng
 RT: 11.474 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF133259.D
 Acq: 05 May 2023 12:28

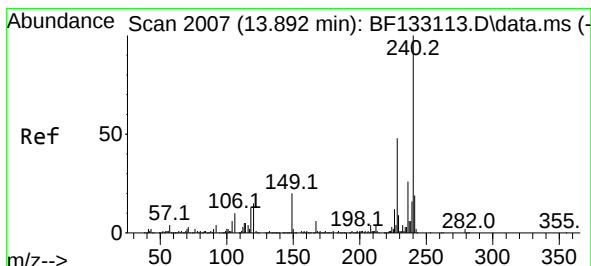
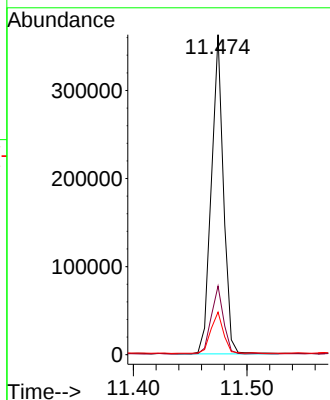
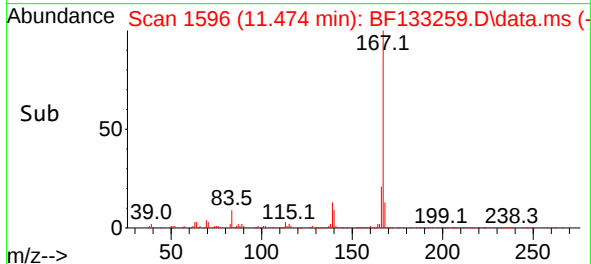
Instrument :
 BNA_F
 ClientSampleId :
 MW-1-20230503



Tgt Ion:167 Resp: 267420
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.4 26.0
 139 13.3 10.6 16.0

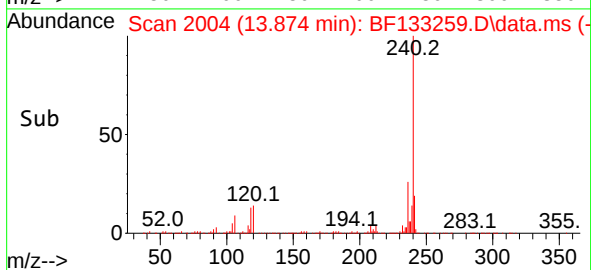
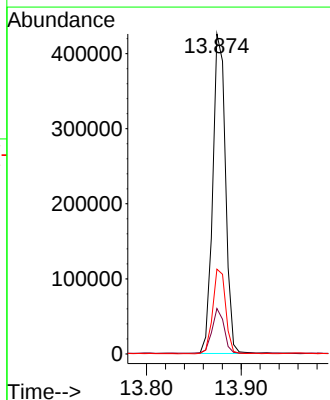
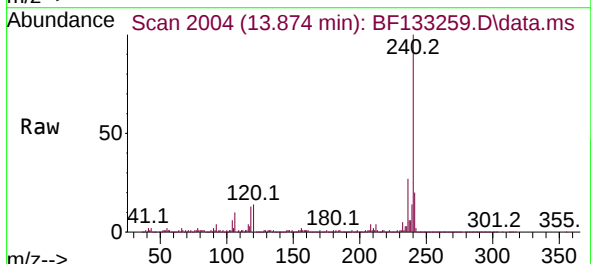
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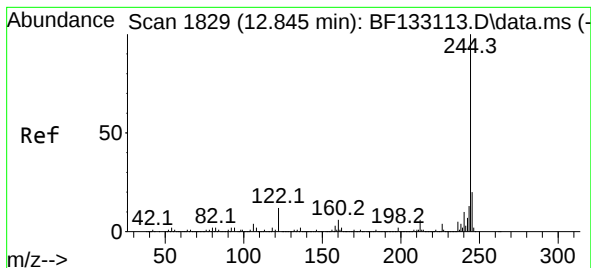
Reviewed By :Christian Giraldo 05/08/2023
 Supervised By :Jagrut Upadhyay 05/08/2023



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.874 min Scan# 2004
 Delta R.T. -0.006 min
 Lab File: BF133259.D
 Acq: 05 May 2023 12:28

Tgt Ion:240 Resp: 397220
 Ion Ratio Lower Upper
 240 100
 120 14.2 10.5 15.7
 236 26.5 21.5 32.3





#79

Terphenyl-d14

Concen: 81.087 ng

RT: 12.833 min Scan# 1827

Delta R.T. -0.000 min

Lab File: BF133259.D

Acq: 05 May 2023 12:28

Instrument :

BNA_F

ClientSampleId :

MW-1-20230503

Tgt Ion:244 Resp: 186756

Ion Ratio Lower Upper

244 100

212 6.4 5.1 7.7

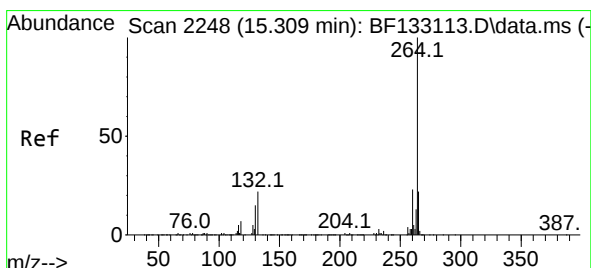
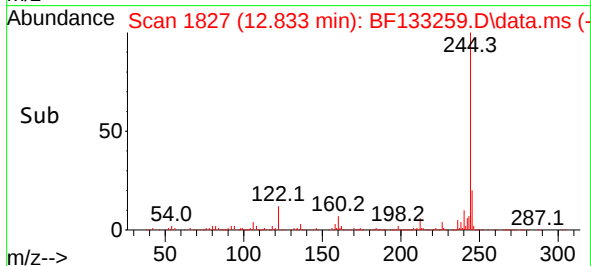
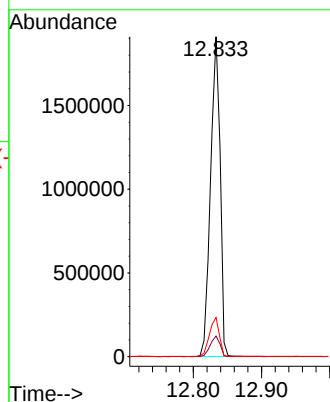
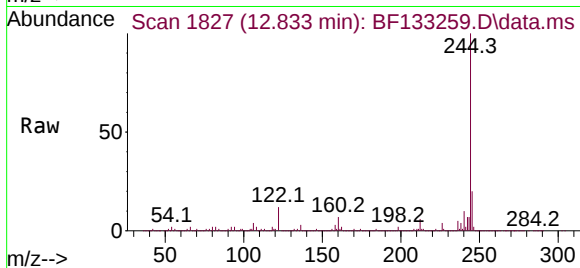
122 12.2 8.6 13.0

Manual Integrations

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Reviewed By :Christian Giraldo 05/08/2023

Supervised By :Jagrut Upadhyay 05/08/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.298 min Scan# 2246

Delta R.T. 0.006 min

Lab File: BF133259.D

Acq: 05 May 2023 12:28

Tgt Ion:264 Resp: 416711

Ion Ratio Lower Upper

264 100

260 24.9 18.8 28.2

265 21.0 17.0 25.4

