

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051123\
 Data File : BF133361.D
 Acq On : 11 May 2023 18:41
 Operator : CG\JU
 Sample : 02743-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-COMP

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/12/2023
 Supervised By : Jagrut Upadhyay 05/15/2023

Quant Time: May 12 04:31:11 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 11 16:40:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.716	152	190382	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	747677	20.000	ng	0.00
39) Acenaphthene-d10	9.751	164	383289	20.000	ng	0.00
64) Phenanthrene-d10	11.233	188	652734	20.000	ng	0.00
76) Chrysene-d12	13.869	240	385168	20.000	ng	-0.01
86) Perylene-d12	15.292	264	480297	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	1002751	79.565	ng	0.00
7) Phenol-d6	6.363	99	1242343	79.419	ng	0.00
23) Nitrobenzene-d5	7.281	82	757747	54.704	ng	-0.01
42) 2,4,6-Tribromophenol	10.539	330	278382	72.219	ng	-0.01
45) 2-Fluorobiphenyl	9.081	172	1379021	60.192	ng	0.00
79) Terphenyl-d14	12.822	244	1230197	55.085	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.257	178	347156	9.895	ng	99
72) Anthracene	11.310	178	115080	3.205	ng	98
75) Fluoranthene	12.445	202	394781	11.212	ng	96
78) Pyrene	12.675	202	338630	10.256	ng	99
81) Benzo(a)anthracene	13.863	228	169434	6.397	ng	98
83) Chrysene	13.892	228	162582	6.140	ng	98
87) Indeno(1,2,3-cd)pyrene	16.657	276	91517m	3.350	ng	
88) Benzo(b)fluoranthene	14.886	252	233627m	7.646	ng	
89) Benzo(k)fluoranthene	14.910	252	65600m	2.166	ng	
90) Benzo(a)pyrene	15.227	252	156339	5.621	ng	99
92) Benzo(g,h,i)perylene	17.074	276	90957	4.043	ng	97

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

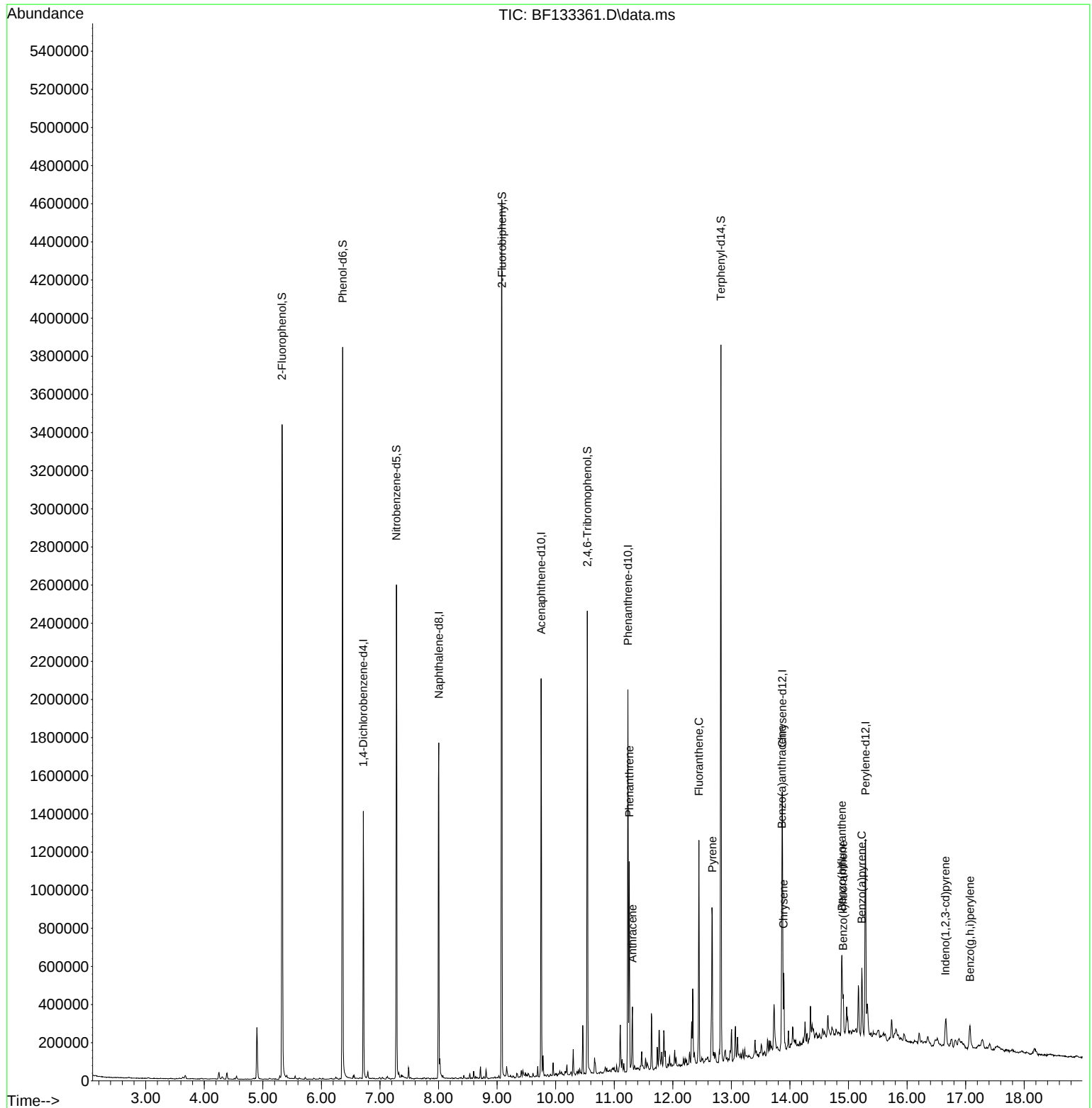
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051123\
Data File : BF133361.D
Acq On : 11 May 2023 18:41
Operator : CG\JU
Sample : 02743-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

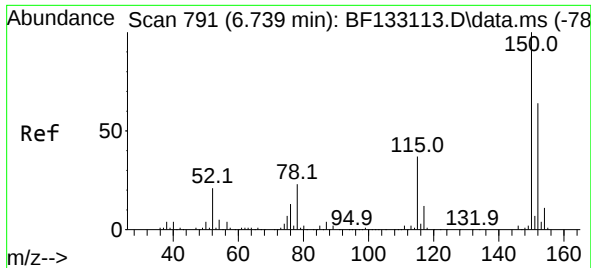
Instrument :
BNA_F
ClientSampleId :
RO-COMP

Quant Time: May 12 04:31:11 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
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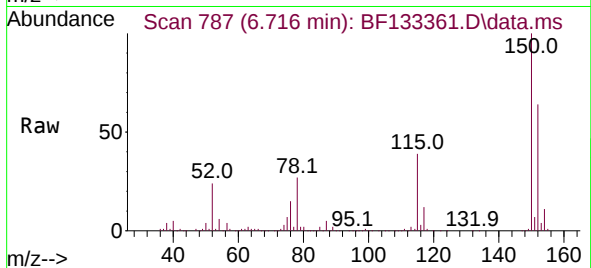
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.716 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF133361.D
Acq: 11 May 2023 18:41

Instrument :

BNA_F

ClientSampleId :

RO-COMP

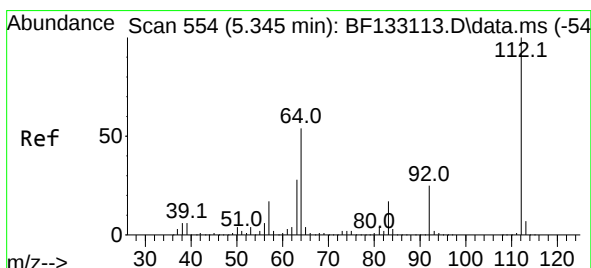
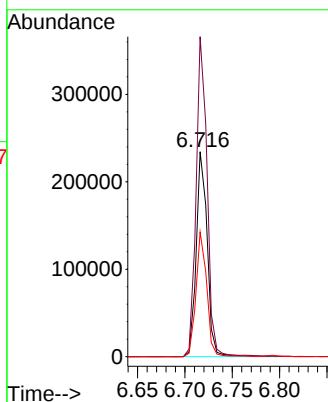
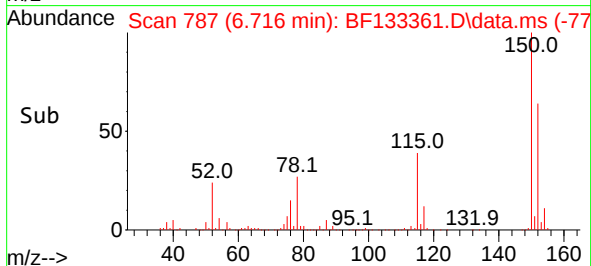


Tgt Ion:152 Resp: 190382
Ion Ratio Lower Upper
152 100
150 156.1 124.8 187.2
115 60.8 49.9 74.9

Manual Integrations

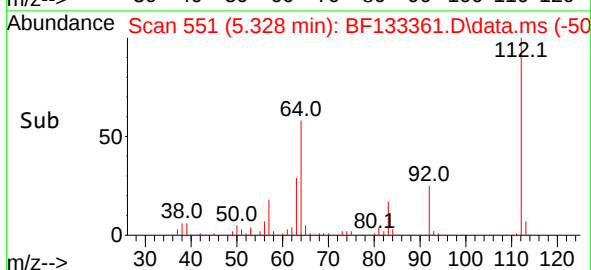
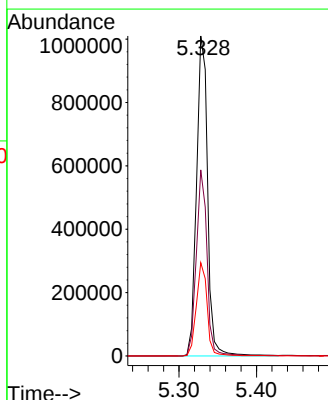
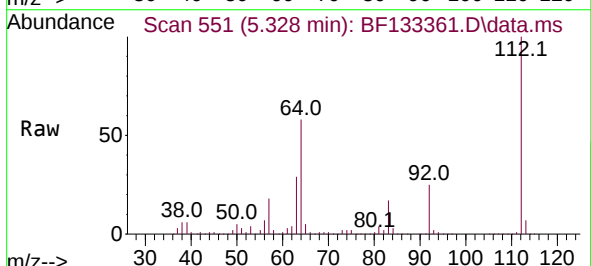
APPROVED

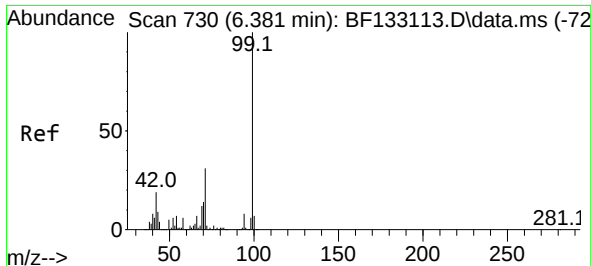
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#5
2-Fluorophenol
Concen: 79.565 ng
RT: 5.328 min Scan# 551
Delta R.T. 0.000 min
Lab File: BF133361.D
Acq: 11 May 2023 18:41

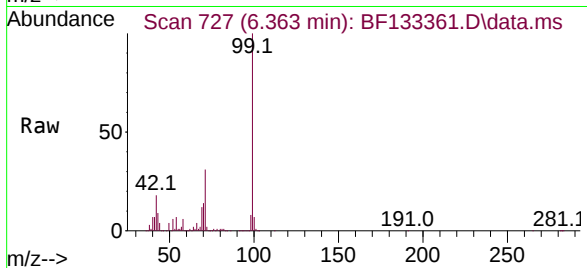
Tgt Ion:112 Resp: 1002751
Ion Ratio Lower Upper
112 100
64 58.2 46.8 70.2
63 29.2 23.8 35.8





#7
Phenol-d6
Concen: 79.419 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133361.D
Acq: 11 May 2023 18:41

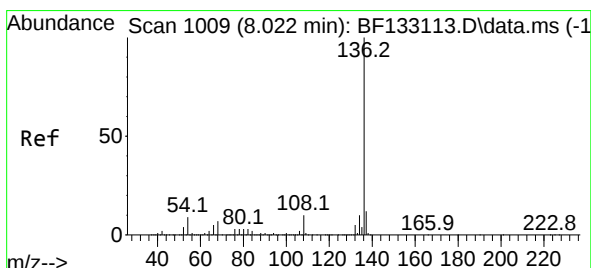
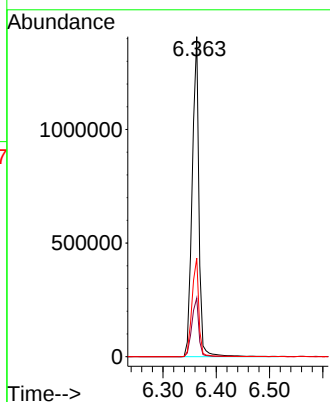
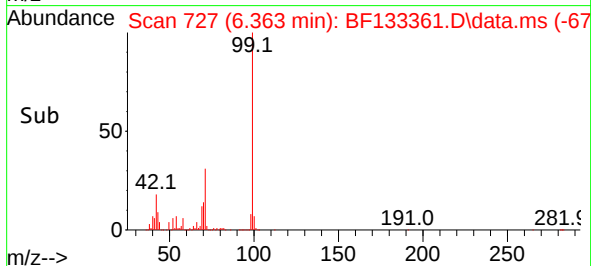
Instrument :
BNA_F
ClientSampleId :
RO-COMP



Tgt Ion: 99 Resp: 124234
Ion Ratio Lower Upper
99 100
42 18.4 16.3 24.5
71 30.8 25.6 38.4

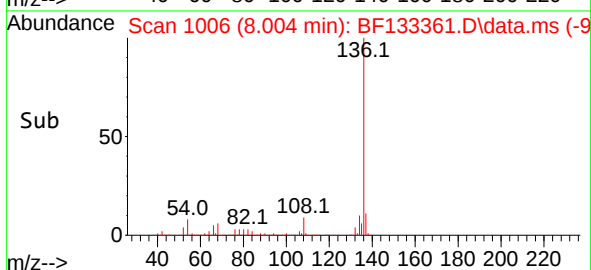
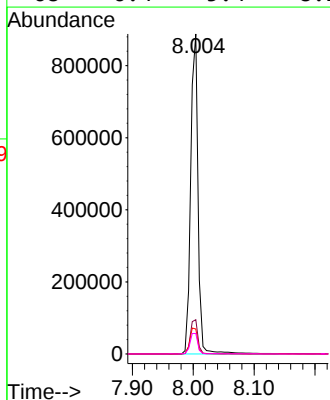
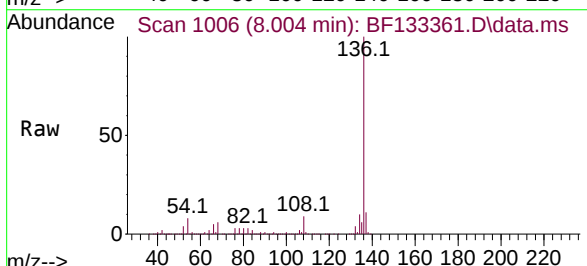
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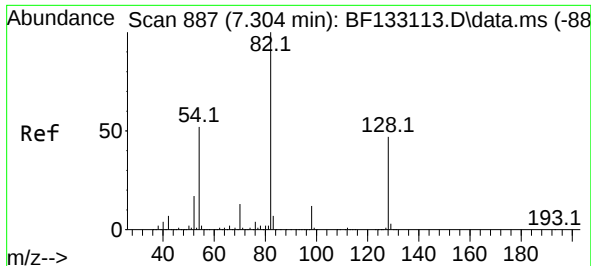
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF133361.D
Acq: 11 May 2023 18:41

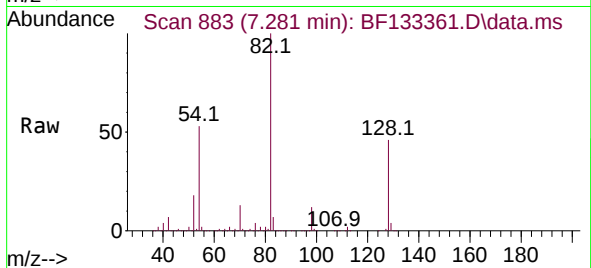
Tgt Ion:136 Resp: 747677
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 7.8 7.0 10.4
68 6.4 5.4 8.2





#23
Nitrobenzene-d5
Concen: 54.704 ng
RT: 7.281 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF133361.D
Acq: 11 May 2023 18:41

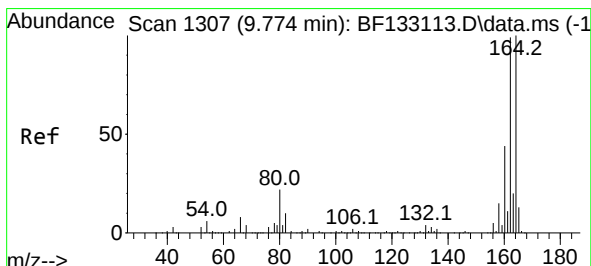
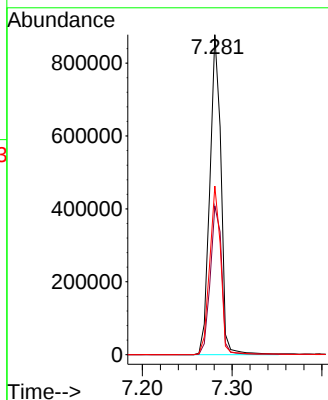
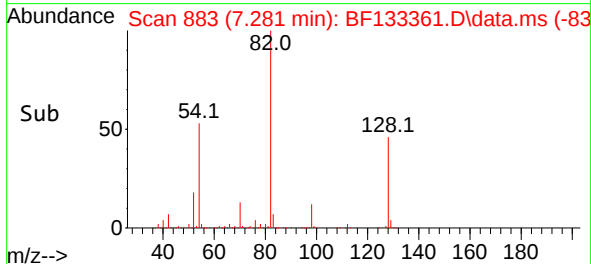
Instrument :
BNA_F
ClientSampleId :
RO-COMP



Tgt Ion: 82 Resp: 75774
Ion Ratio Lower Upper
82 100
128 46.4 37.7 56.5
54 52.7 43.0 64.4

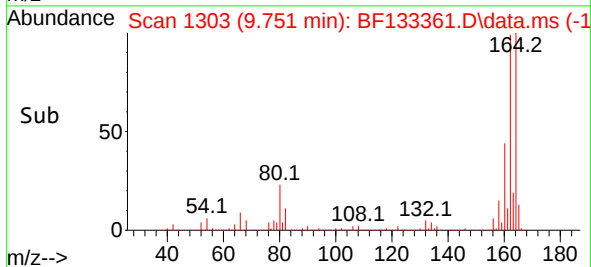
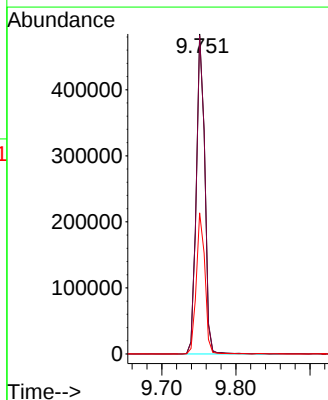
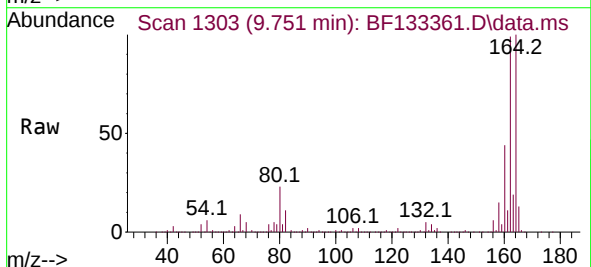
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.751 min Scan# 1303
Delta R.T. -0.006 min
Lab File: BF133361.D
Acq: 11 May 2023 18:41

Tgt Ion:164 Resp: 383289
Ion Ratio Lower Upper
164 100
162 99.5 78.7 118.1
160 44.1 35.8 53.6





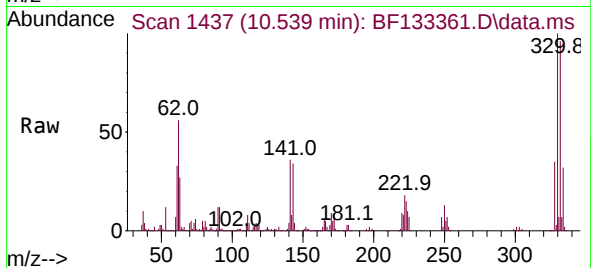
#42
2,4,6-Tribromophenol
Concen: 72.219 ng
RT: 10.539 min Scan# 1441
Delta R.T. -0.012 min
Lab File: BF133361.D
Acq: 11 May 2023 18:41

Instrument :

BNA_F

ClientSampleId :

RO-COMP

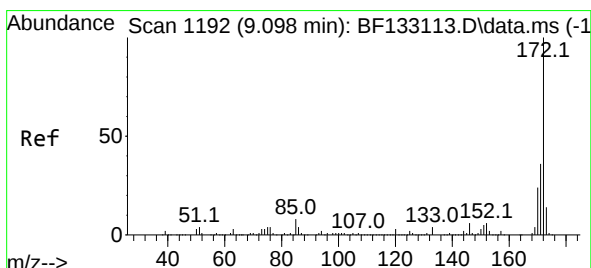
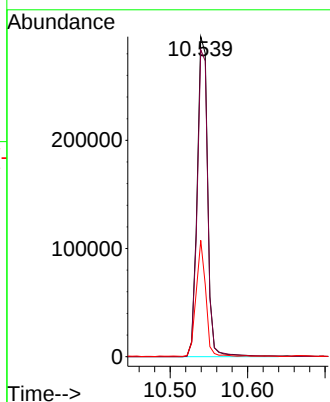
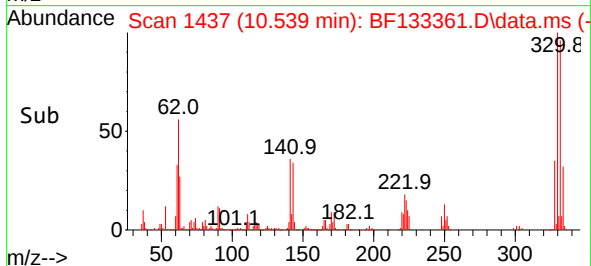


Tgt Ion:330 Resp: 27838
Ion Ratio Lower Upper
330 100
332 96.5 77.1 115.7
141 33.1 25.8 38.8

Manual Integrations

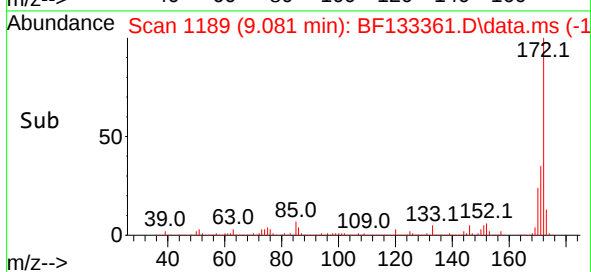
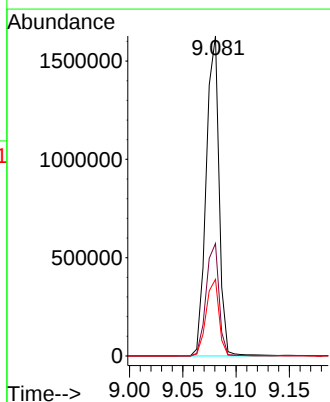
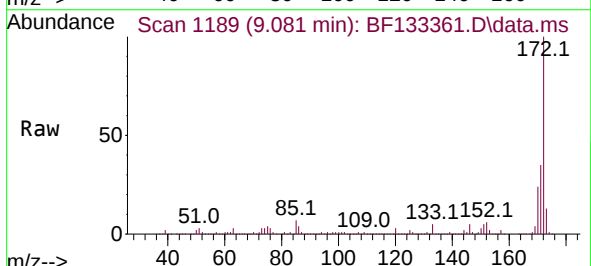
APPROVED

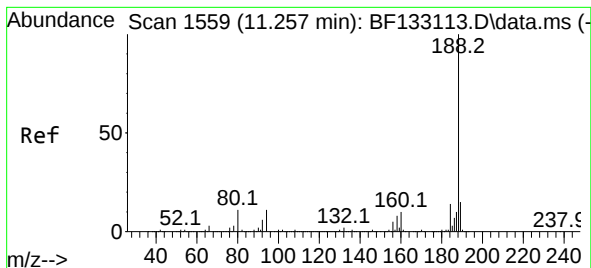
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#45
2-Fluorobiphenyl
Concen: 60.192 ng
RT: 9.081 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF133361.D
Acq: 11 May 2023 18:41

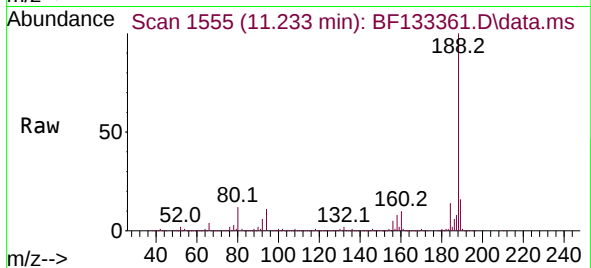
Tgt Ion:172 Resp: 1379021
Ion Ratio Lower Upper
172 100
171 35.2 28.8 43.2
170 23.9 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133361.D
Acq: 11 May 2023 18:41

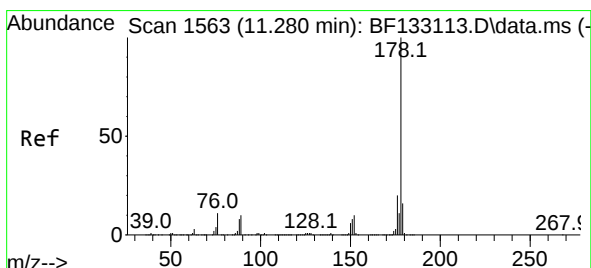
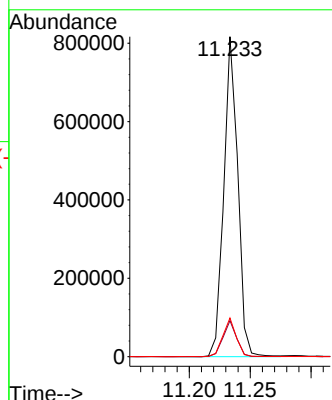
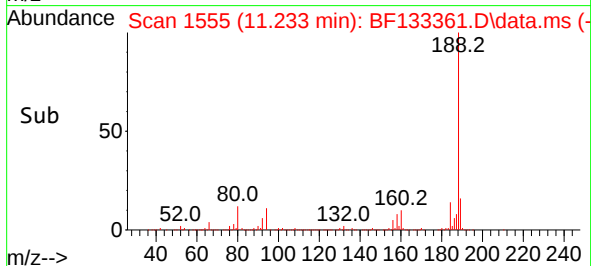
Instrument :
BNA_F
ClientSampleId :
RO-COMP



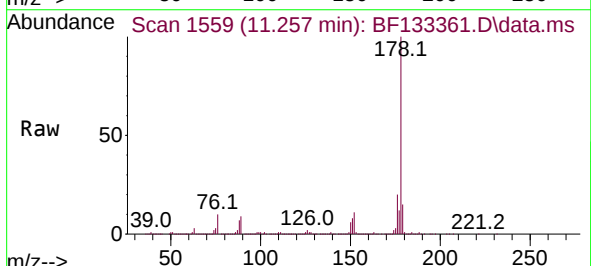
Tgt Ion:188 Resp: 652734
Ion Ratio Lower Upper
188 100
94 11.2 9.7 14.5
80 12.1 10.4 15.6

Manual Integrations
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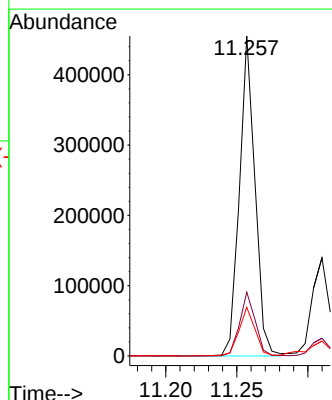
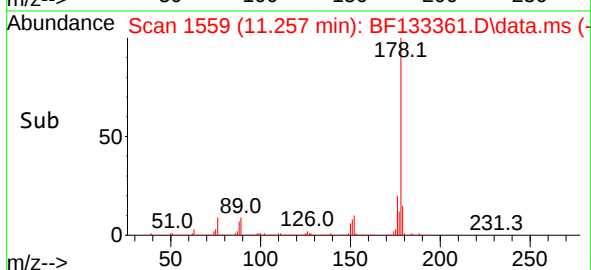
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023

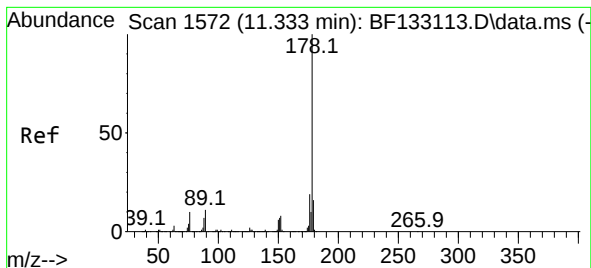


#71
Phenanthrene
Concen: 9.895 ng
RT: 11.257 min Scan# 1559
Delta R.T. -0.012 min
Lab File: BF133361.D
Acq: 11 May 2023 18:41



Tgt Ion:178 Resp: 347156
Ion Ratio Lower Upper
178 100
176 20.0 15.9 23.9
179 15.2 12.5 18.7





#72

Anthracene

Concen: 3.205 ng

RT: 11.310 min Scan# 115080

Delta R.T. -0.006 min

Lab File: BF133361.D

Acq: 11 May 2023 18:41

Instrument :

BNA_F

ClientSampleId :

RO-COMP

Tgt Ion:178 Resp: 115080

Ion Ratio Lower Upper

178 100

176 18.1 15.4 23.0

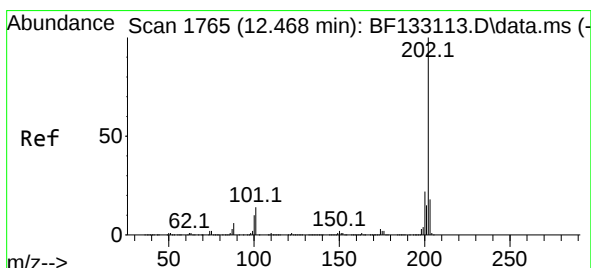
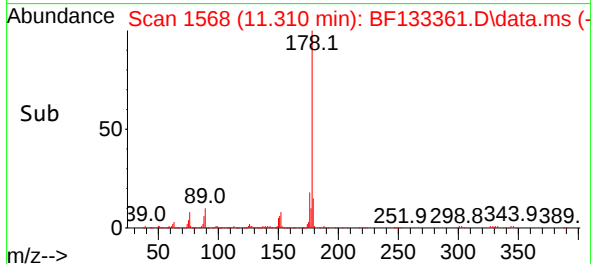
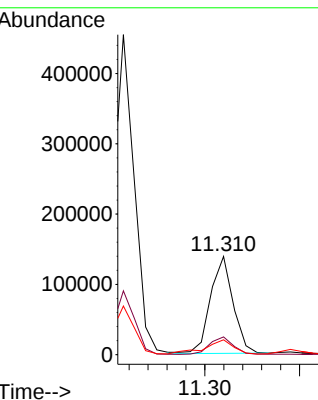
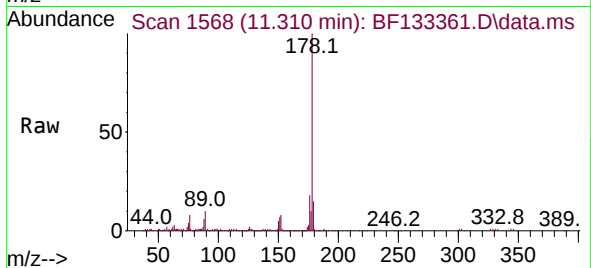
179 15.1 12.4 18.6

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/15/2023



#75

Fluoranthene

Concen: 11.212 ng

RT: 12.445 min Scan# 1761

Delta R.T. -0.006 min

Lab File: BF133361.D

Acq: 11 May 2023 18:41

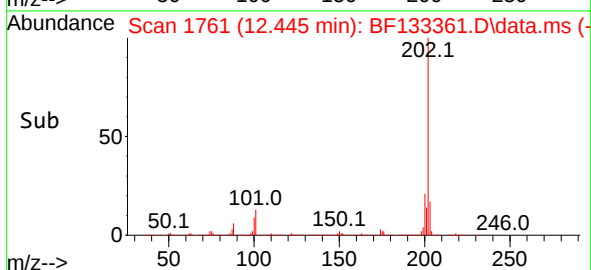
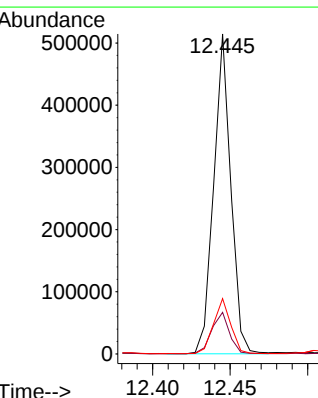
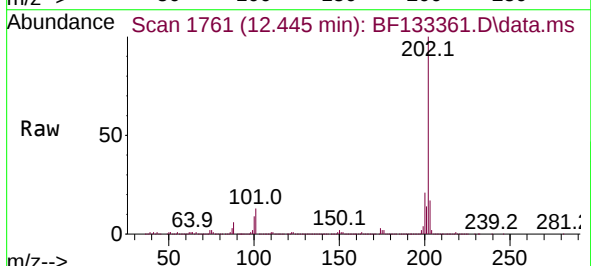
Tgt Ion:202 Resp: 394781

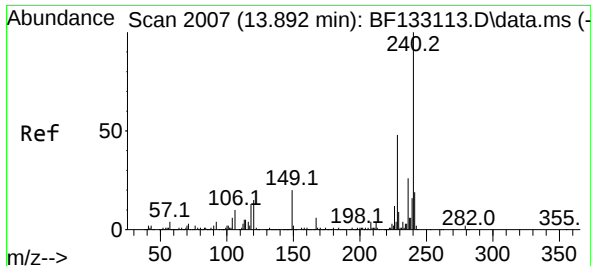
Ion Ratio Lower Upper

202 100

101 13.0 0.0 35.3

203 17.3 0.0 38.1





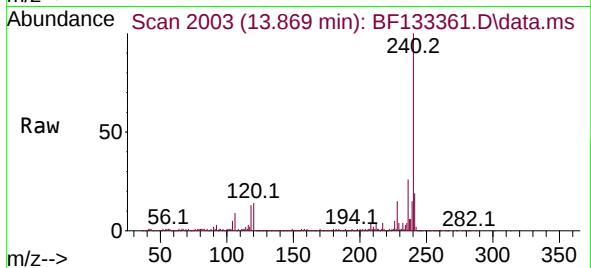
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.869 min Scan# 2007
Delta R.T. -0.012 min
Lab File: BF133361.D
Acq: 11 May 2023 18:41

Instrument :

BNA_F

ClientSampleId :

RO-COMP

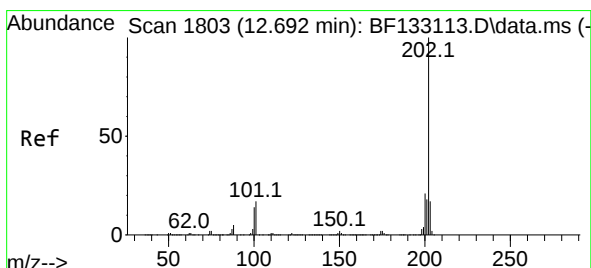
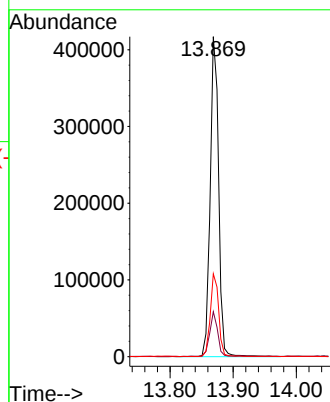
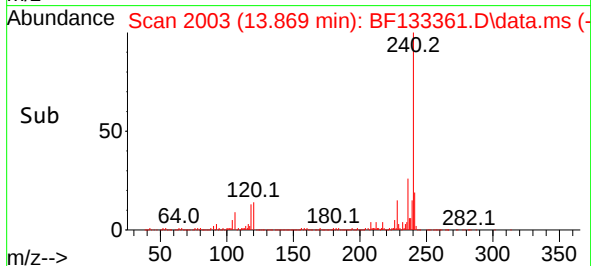


Tgt Ion:240 Resp: 385168
Ion Ratio Lower Upper
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120 14.0 10.5 15.7
236 25.9 21.5 32.3

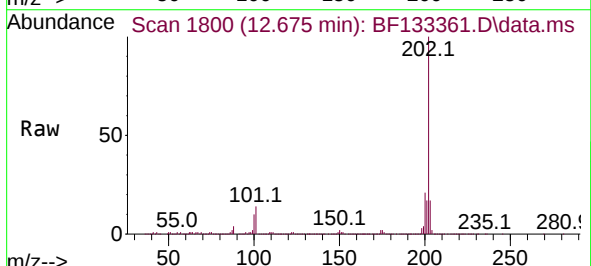
Manual Integrations

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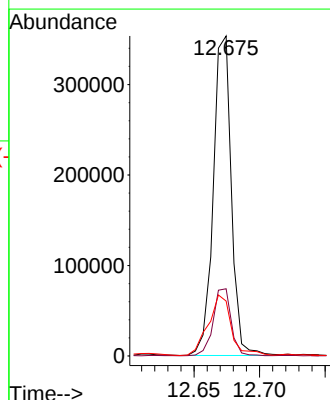
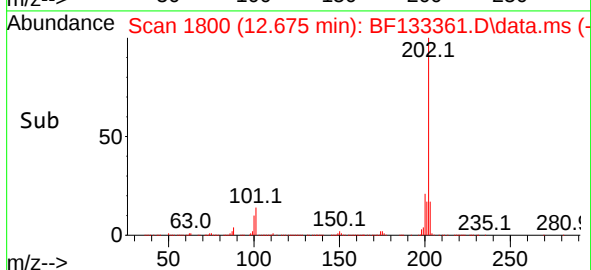
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023

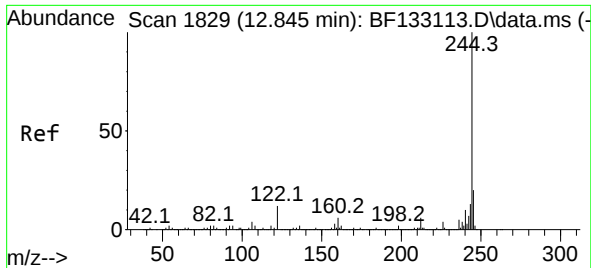


#78
Pyrene
Concen: 10.256 ng
RT: 12.675 min Scan# 1800
Delta R.T. -0.006 min
Lab File: BF133361.D
Acq: 11 May 2023 18:41



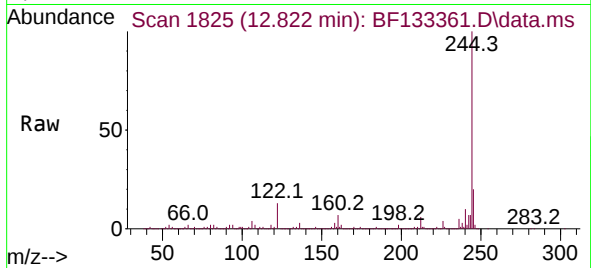
Tgt Ion:202 Resp: 338630
Ion Ratio Lower Upper
202 100
200 21.0 17.1 25.7
203 17.1 14.1 21.1





#79
 Terphenyl-d14
 Concen: 55.085 ng
 RT: 12.822 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF133361.D
 Acq: 11 May 2023 18:41

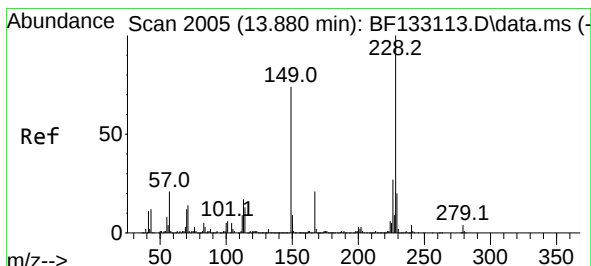
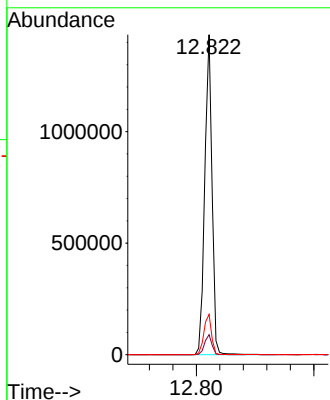
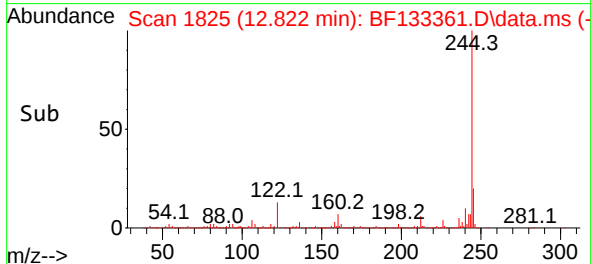
Instrument :
 BNA_F
 ClientSampleId :
 RO-COMP



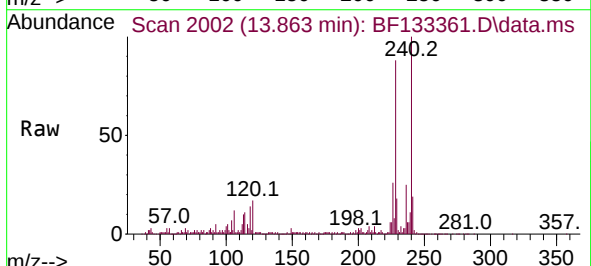
Tgt Ion:244 Resp: 123019
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.1 7.7
 122 12.6 8.6 13.0

Manual Integrations
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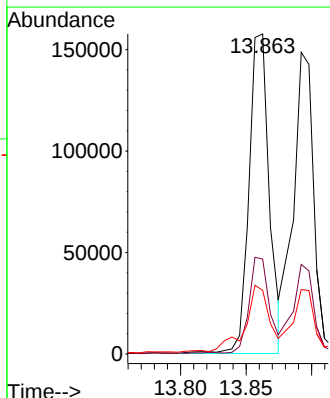
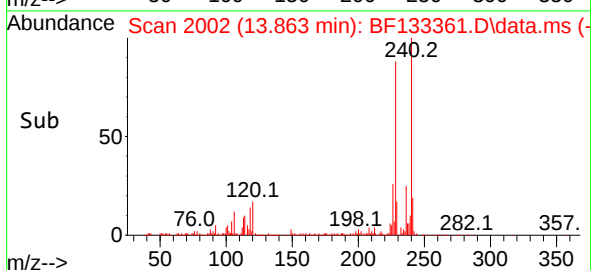
Reviewed By :Christian Giraldo 05/12/2023
 Supervised By :Jagrut Upadhyay 05/15/2023

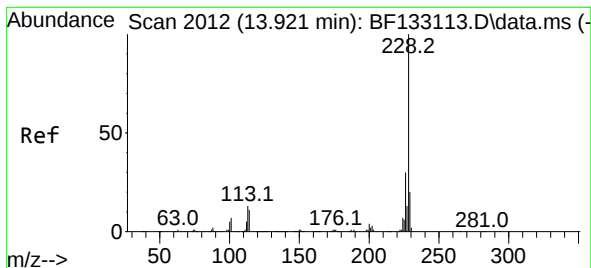


#81
 Benzo(a)anthracene
 Concen: 6.397 ng
 RT: 13.863 min Scan# 2002
 Delta R.T. -0.006 min
 Lab File: BF133361.D
 Acq: 11 May 2023 18:41



Tgt Ion:228 Resp: 169434
 Ion Ratio Lower Upper
 228 100
 226 29.7 22.2 33.4
 229 19.9 16.0 24.0





#83

Chrysene

Concen: 6.140 ng

RT: 13.892 min Scan# 2012

Delta R.T. -0.012 min

Lab File: BF133361.D

Acq: 11 May 2023 18:41

Instrument :

BNA_F

ClientSampleId :

RO-COMP

Tgt Ion:228 Resp: 16258

Ion Ratio Lower Upper

228 100

226 29.7 24.7 37.1

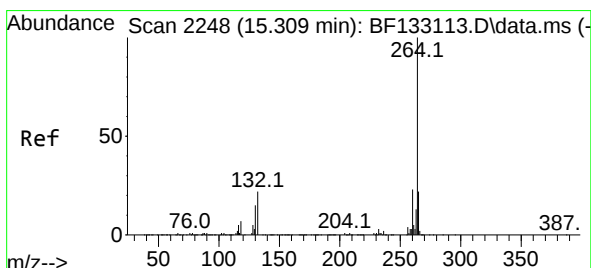
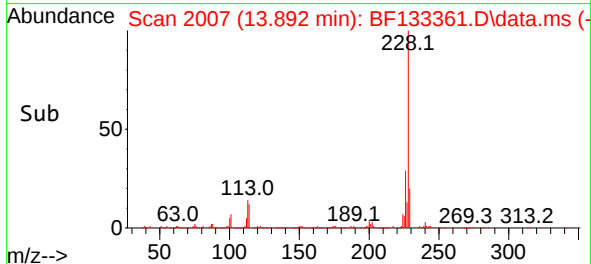
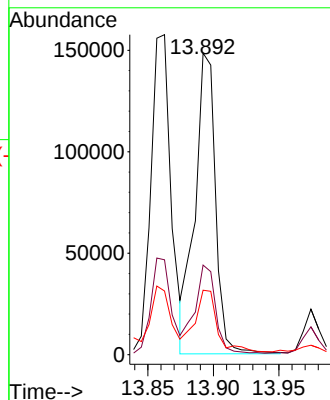
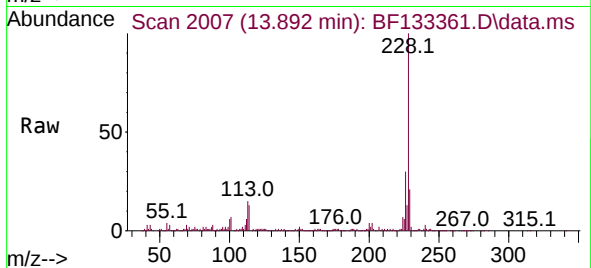
229 21.4 16.1 24.1

Manual Integrations

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Reviewed By :Christian Giraldo 05/12/2023

Supervised By :Jagrut Upadhyay 05/15/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.292 min Scan# 2245

Delta R.T. 0.000 min

Lab File: BF133361.D

Acq: 11 May 2023 18:41

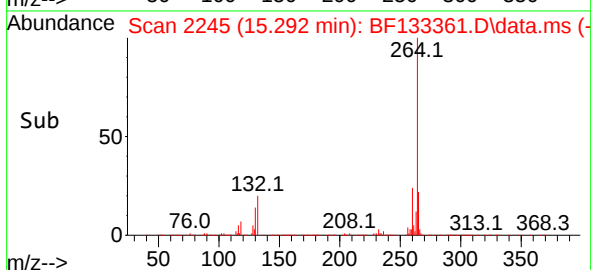
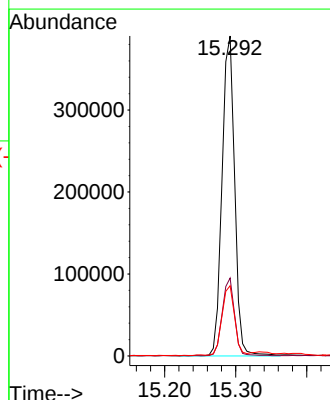
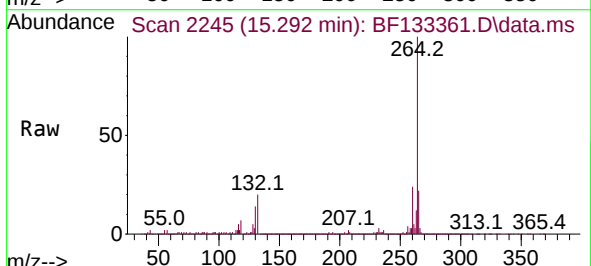
Tgt Ion:264 Resp: 480297

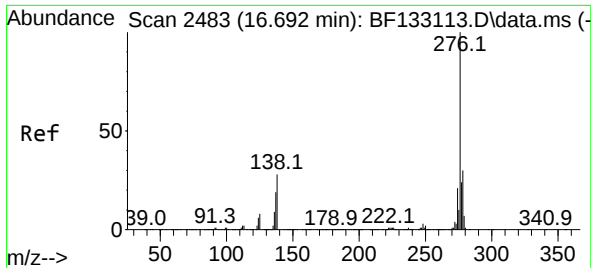
Ion Ratio Lower Upper

264 100

260 24.3 18.8 28.2

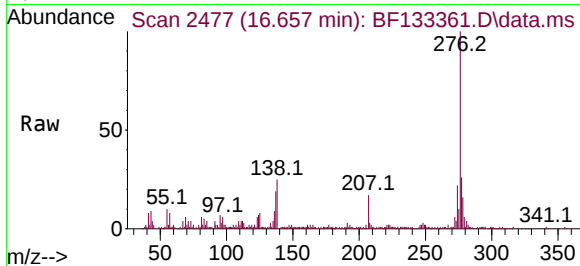
265 21.9 17.0 25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.350 ng m
RT: 16.657 min Scan# 2483
Delta R.T. -0.023 min
Lab File: BF133361.D
Acq: 11 May 2023 18:41

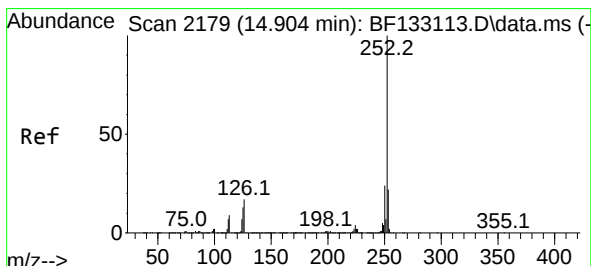
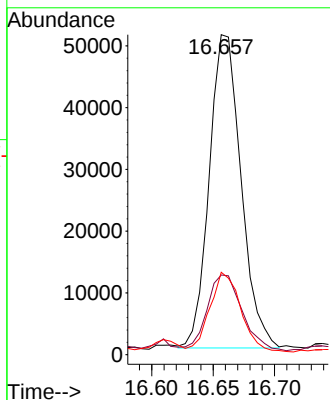
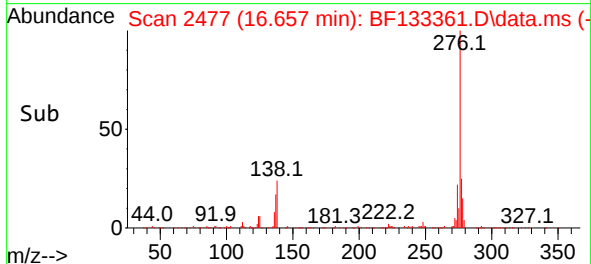
Instrument :
BNA_F
ClientSampleId :
RO-COMP



Tgt Ion: 276 Resp: 9151
Ion Ratio Lower Upper
276 100
138 6.7 25.5 38.3
277 5.8 20.4 30.6

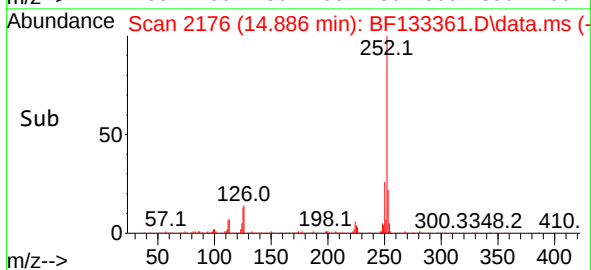
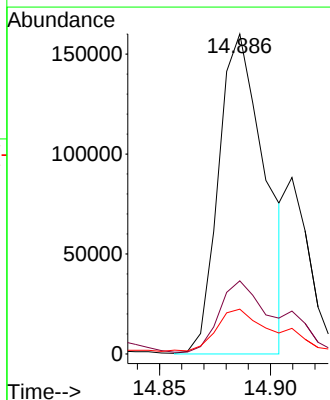
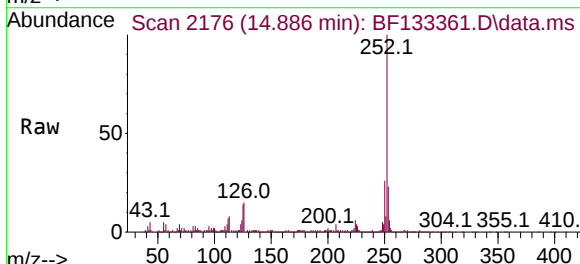
Manual Integrations
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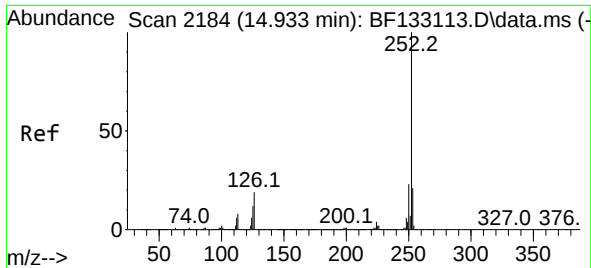
Reviewed By : Christian Giraldo 05/12/2023
Supervised By : Jagrut Upadhyay 05/15/2023



#88
Benzo(b)fluoranthene
Concen: 7.646 ng m
RT: 14.886 min Scan# 2176
Delta R.T. -0.006 min
Lab File: BF133361.D
Acq: 11 May 2023 18:41

Tgt Ion: 252 Resp: 233627
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 14.0 8.9 13.3





#89
Benzo(k)fluoranthene
Concen: 2.166 ng m
RT: 14.910 min Scan# 2184
Delta R.T. -0.012 min
Lab File: BF133361.D
Acq: 11 May 2023 18:41

Instrument :

BNA_F

ClientSampleId :

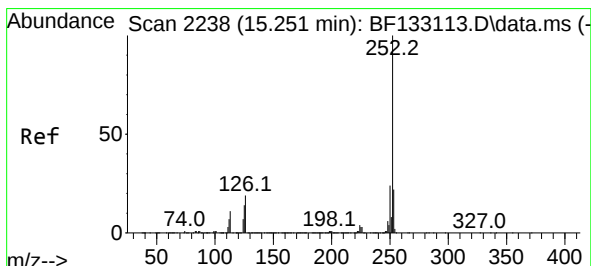
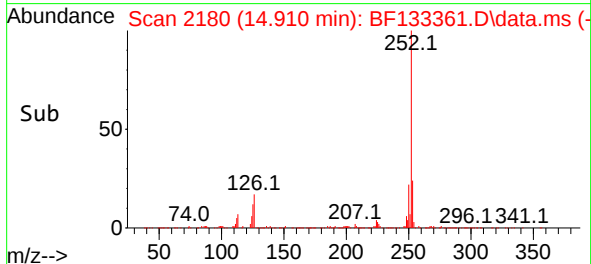
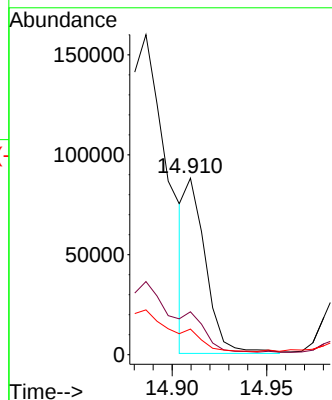
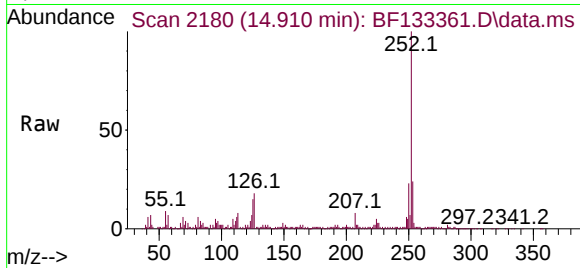
RO-COMP

Tgt Ion:252 Resp: 65600
Ion Ratio Lower Upper
252 100
253 24.3 17.7 26.5
125 14.5 9.0 13.4

Manual Integrations

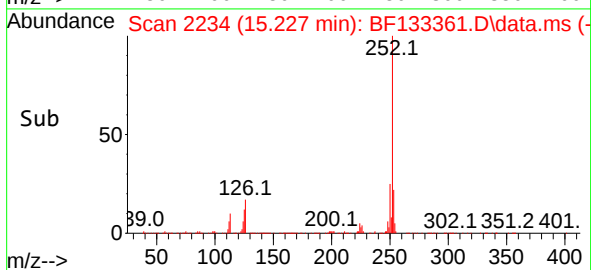
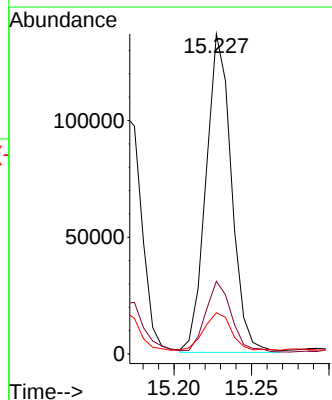
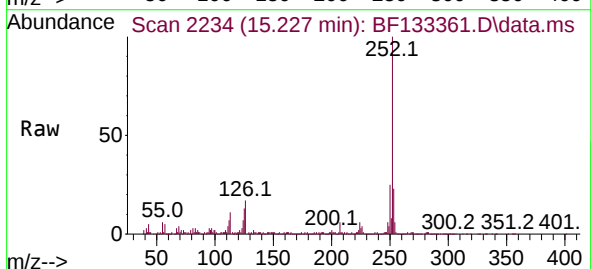
APPROVED

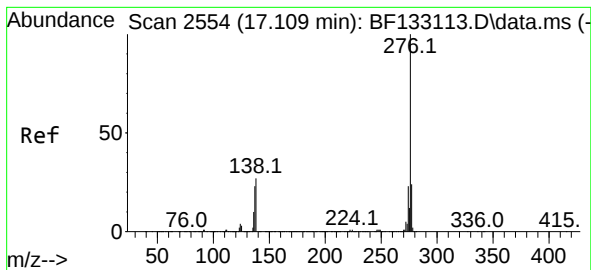
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#90
Benzo(a)pyrene
Concen: 5.621 ng
RT: 15.227 min Scan# 2234
Delta R.T. -0.012 min
Lab File: BF133361.D
Acq: 11 May 2023 18:41

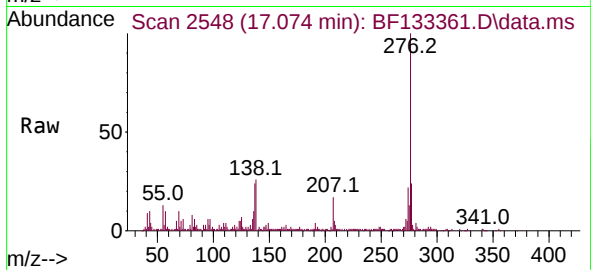
Tgt Ion:252 Resp: 156339
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 12.9 10.5 15.7





#92
 Benzo(g,h,i)perylene
 Concen: 4.043 ng
 RT: 17.074 min Scan# 21
 Delta R.T. -0.017 min
 Lab File: BF133361.D
 Acq: 11 May 2023 18:41

Instrument :
 BNA_F
 ClientSampleId :
 RO-COMP



Tgt Ion:	276	Resp:	9095
Ion Ratio	Lower	Upper	
276	100		
277	23.8	19.4	29.0
138	26.0	22.7	34.1

Manual Integrations
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Reviewed By :Christian Giraldo 05/12/2023
 Supervised By :Jagrut Upadhyay 05/15/2023

