

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051023\
 Data File : BF133328.D
 Acq On : 10 May 2023 13:52
 Operator : CG\JU
 Sample : 02666-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-050823

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/11/2023
 Supervised By : Jagrut Upadhyay 05/11/2023

Quant Time: May 10 14:30:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 09 04:59:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	166246	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	580666	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	257507	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	472314	20.000	ng	0.00
76) Chrysene-d12	13.880	240	333592	20.000	ng	0.00
86) Perylene-d12	15.304	264	265478	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	949947	86.318	ng	0.00
7) Phenol-d6	6.369	99	1095926	80.230	ng	0.00
23) Nitrobenzene-d5	7.287	82	653028	60.703	ng	0.00
42) 2,4,6-Tribromophenol	10.545	330	213133	82.299	ng	0.00
45) 2-Fluorobiphenyl	9.081	172	1082988	70.361	ng	0.00
79) Terphenyl-d14	12.839	244	1226183	63.394	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.263	178	155603	6.130	ng	100
75) Fluoranthene	12.457	202	229042	8.990	ng	95
78) Pyrene	12.686	202	258307	9.033	ng	99
81) Benzo(a)anthracene	13.869	228	100767	4.393	ng	93
83) Chrysene	13.904	228	110746m	4.829	ng	
87) Indeno(1,2,3-cd)pyrene	16.686	276	41332	2.737	ng	93
88) Benzo(b)fluoranthene	14.898	252	112929m	6.686	ng	
90) Benzo(a)pyrene	15.239	252	63922	4.158	ng	# 86
92) Benzo(g,h,i)perylene	17.098	276	45063	3.624	ng	# 86

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

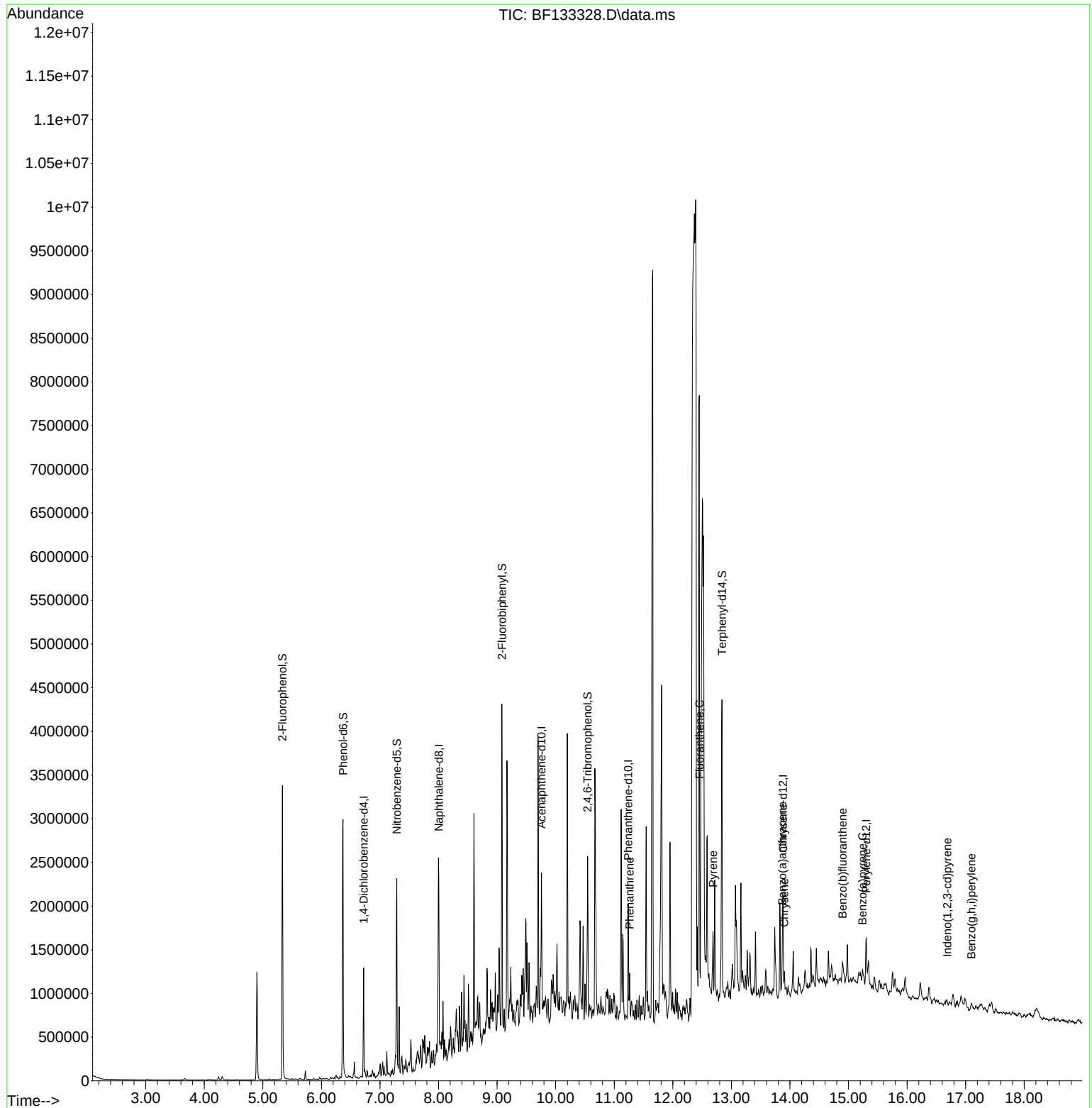
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051023\
Data File : BF133328.D
Acq On : 10 May 2023 13:52
Operator : CG\JU
Sample : 02666-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

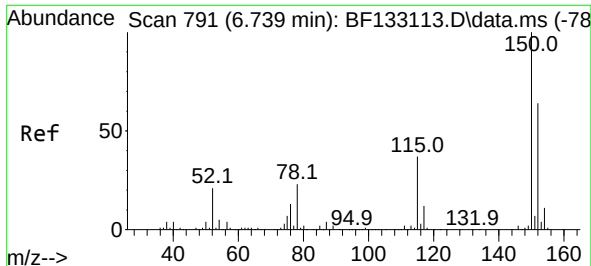
Instrument :
BNA_F
ClientSampleId :
BU-02-050823

Quant Time: May 10 14:30:00 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 09 04:59:36 2023
Response via : Initial Calibration

Manual Integrations
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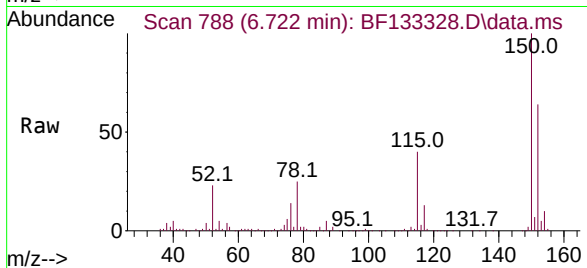
Reviewed By : Christian Giraldo 05/11/2023
Supervised By : Jagrut Upadhyay 05/11/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF133328.D
Acq: 10 May 2023 13:52

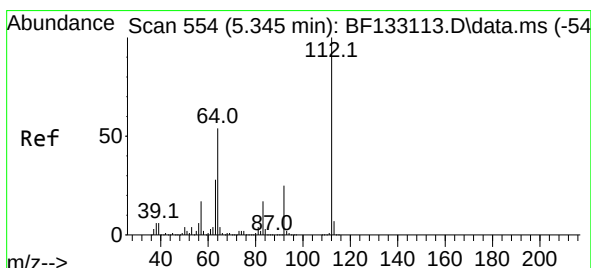
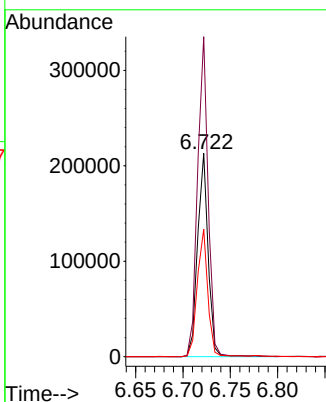
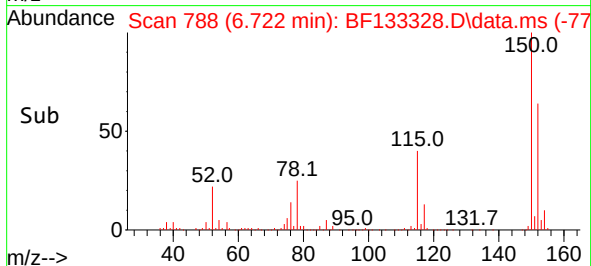
Instrument :
BNA_F
ClientSampleId :
BU-02-050823



Tgt Ion:152 Resp: 166240
Ion Ratio Lower Upper
152 100
150 157.4 124.8 187.2
115 62.7 49.9 74.9

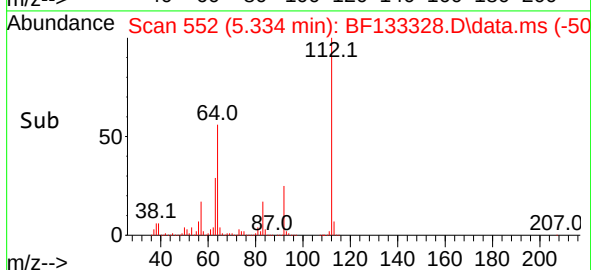
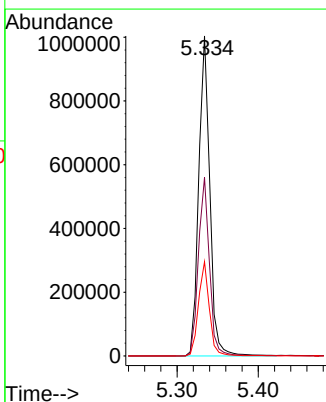
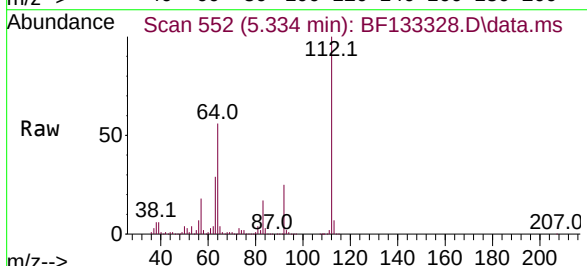
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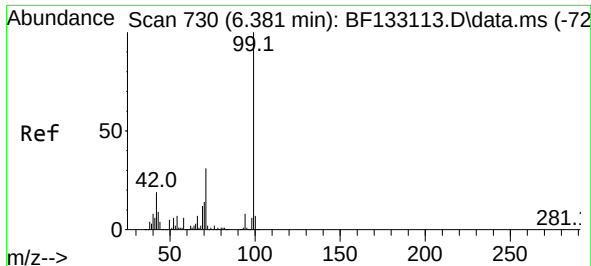
Reviewed By :Christian Giraldo 05/11/2023
Supervised By :Jagrut Upadhyay 05/11/2023



#5
2-Fluorophenol
Concen: 86.318 ng
RT: 5.334 min Scan# 552
Delta R.T. 0.006 min
Lab File: BF133328.D
Acq: 10 May 2023 13:52

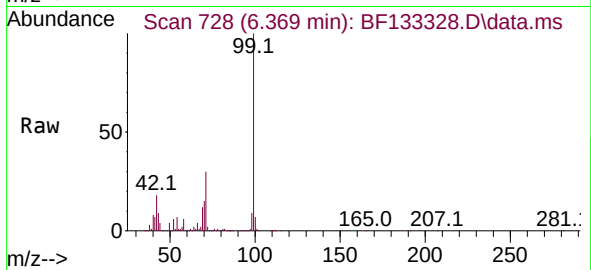
Tgt Ion:112 Resp: 949947
Ion Ratio Lower Upper
112 100
64 55.8 46.8 70.2
63 29.4 23.8 35.8





#7
Phenol-d6
Concen: 80.230 ng
RT: 6.369 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF133328.D
Acq: 10 May 2023 13:52

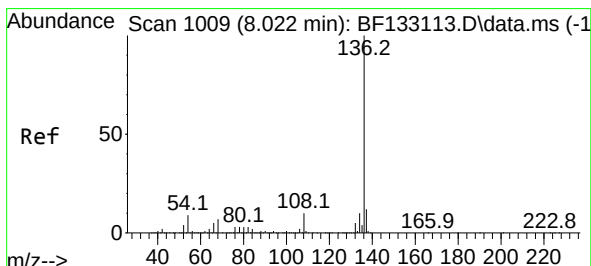
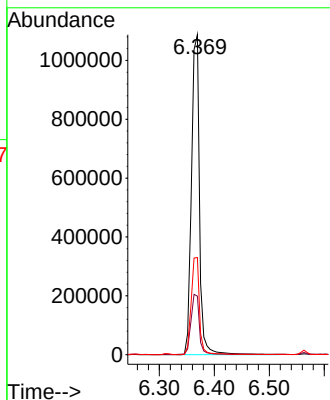
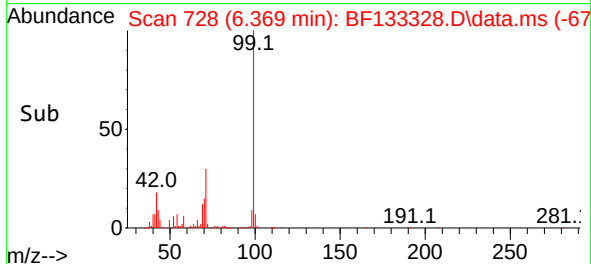
Instrument :
BNA_F
ClientSampleId :
BU-02-050823



Tgt Ion: 99 Resp: 1095920
Ion Ratio Lower Upper
99 100
42 18.3 16.3 24.5
71 30.3 25.6 38.4

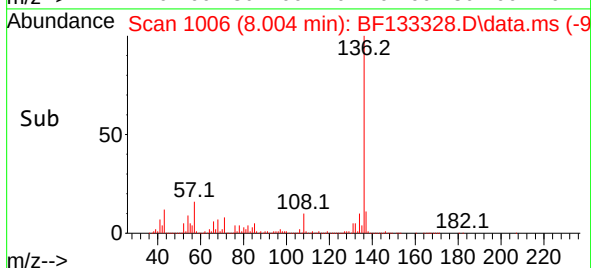
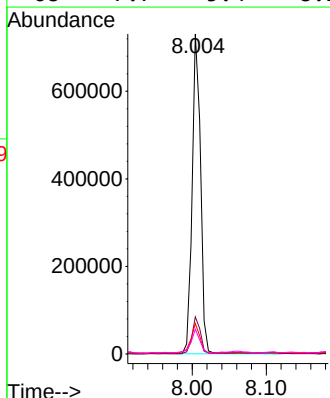
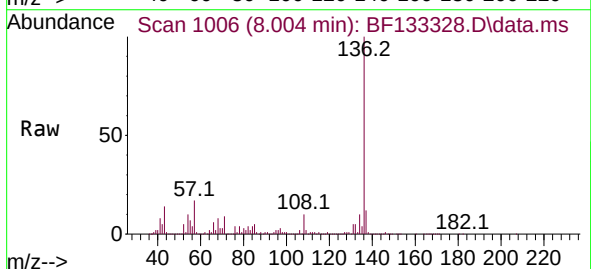
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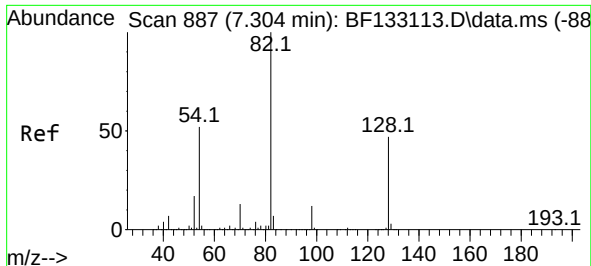
Reviewed By :Christian Giraldo 05/11/2023
Supervised By :Jagrut Upadhyay 05/11/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF133328.D
Acq: 10 May 2023 13:52

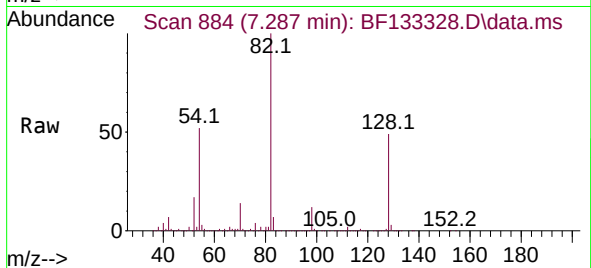
Tgt Ion:136 Resp: 580666
Ion Ratio Lower Upper
136 100
137 11.6 8.6 13.0
54 9.5 7.0 10.4
68 7.7 5.4 8.2





#23
Nitrobenzene-d5
Concen: 60.703 ng
RT: 7.287 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF133328.D
Acq: 10 May 2023 13:52

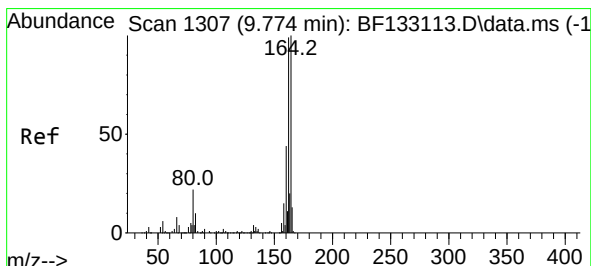
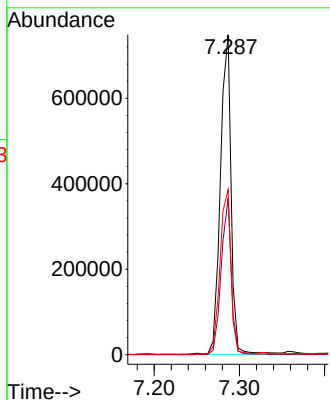
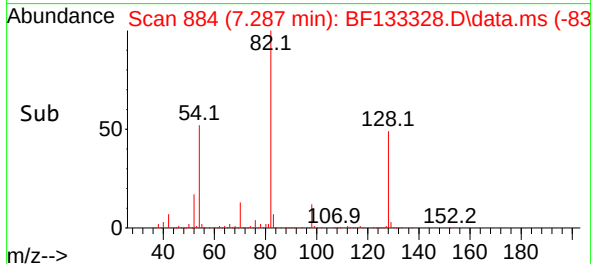
Instrument :
BNA_F
ClientSampleId :
BU-02-050823



Tgt Ion: 82 Resp: 653028
Ion Ratio Lower Upper
82 100
128 48.8 37.7 56.5
54 51.6 43.0 64.4

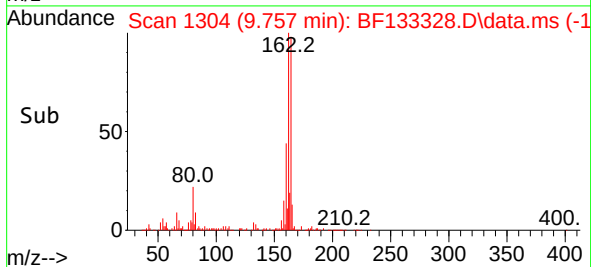
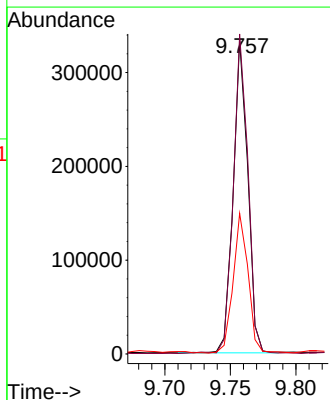
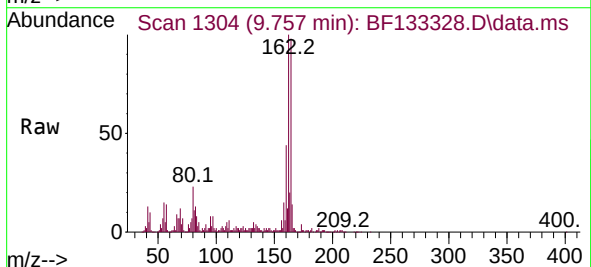
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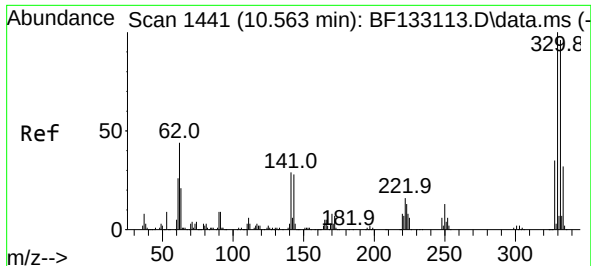
Reviewed By :Christian Giraldo 05/11/2023
Supervised By :Jagrut Upadhyay 05/11/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF133328.D
Acq: 10 May 2023 13:52

Tgt Ion:164 Resp: 257507
Ion Ratio Lower Upper
164 100
162 102.1 78.7 118.1
160 44.9 35.8 53.6





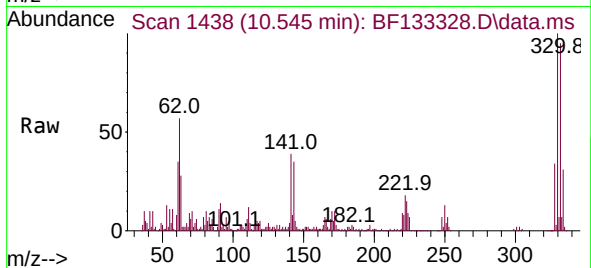
#42
2,4,6-Tribromophenol
Concen: 82.299 ng
RT: 10.545 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF133328.D
Acq: 10 May 2023 13:52

Instrument :

BNA_F

ClientSampleId :

BU-02-050823

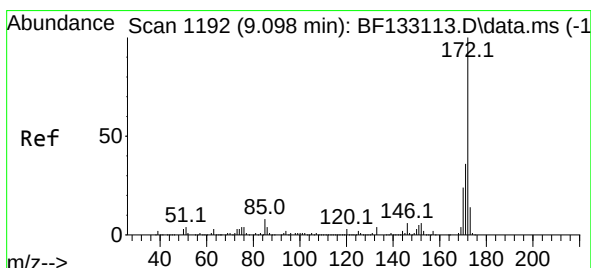
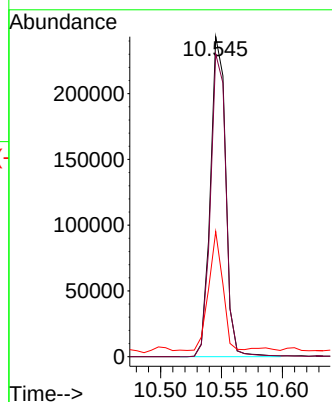
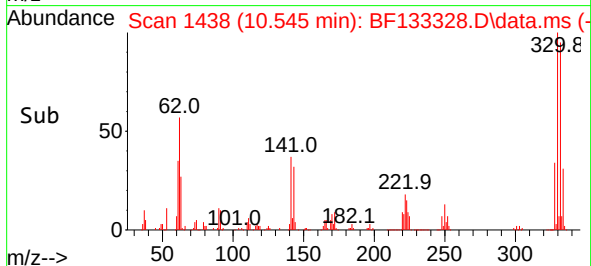


Tgt Ion: 330 Resp: 21313
Ion Ratio Lower Upper
330 100
332 95.8 77.1 115.7
141 33.9 25.8 38.8

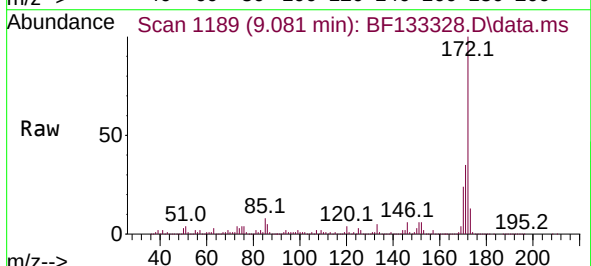
Manual Integrations

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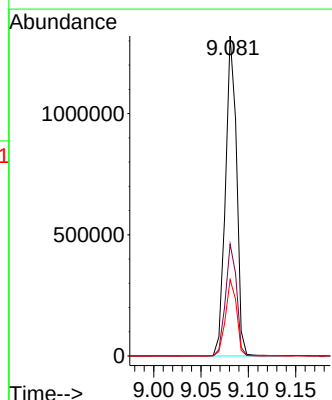
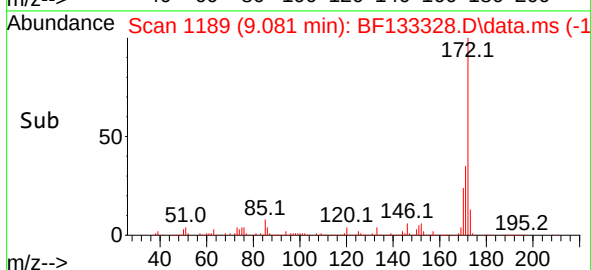
Reviewed By : Christian Giraldo 05/11/2023
Supervised By : Jagrut Upadhyay 05/11/2023

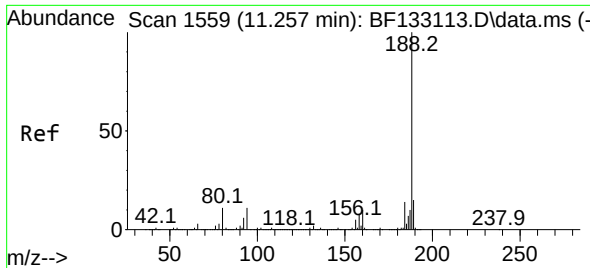


#45
2-Fluorobiphenyl
Concen: 70.361 ng
RT: 9.081 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF133328.D
Acq: 10 May 2023 13:52



Tgt Ion: 172 Resp: 1082988
Ion Ratio Lower Upper
172 100
171 35.0 28.8 43.2
170 23.9 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF133328.D
Acq: 10 May 2023 13:52

Instrument :

BNA_F

ClientSampleId :

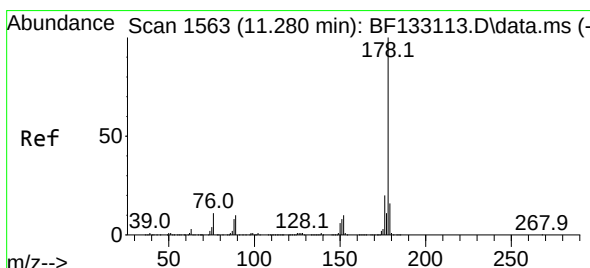
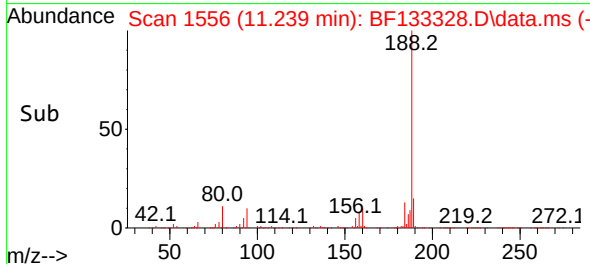
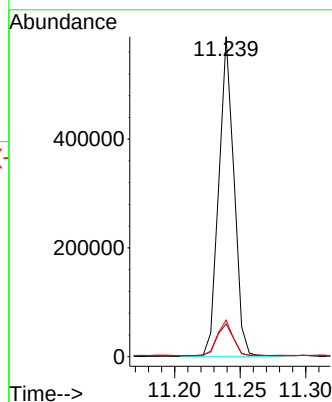
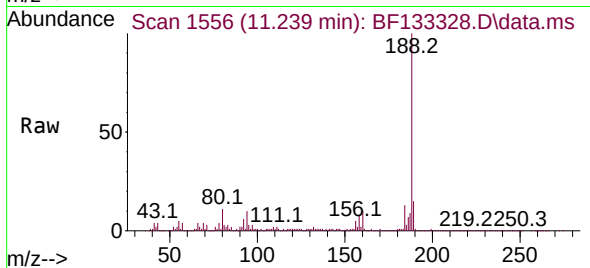
BU-02-050823

Tgt Ion:188 Resp: 472314
Ion Ratio Lower Upper
188 100
94 10.2 9.7 14.5
80 11.4 10.4 15.6

Manual Integrations

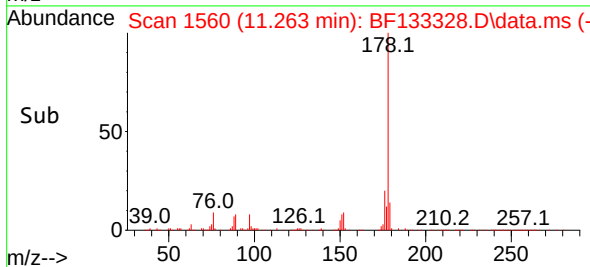
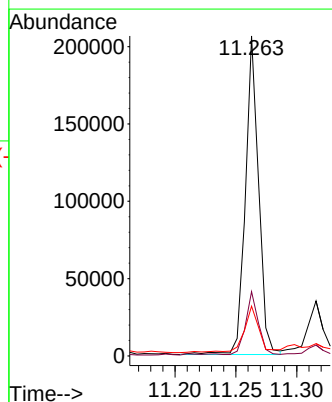
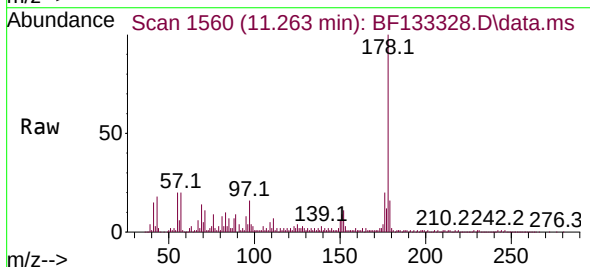
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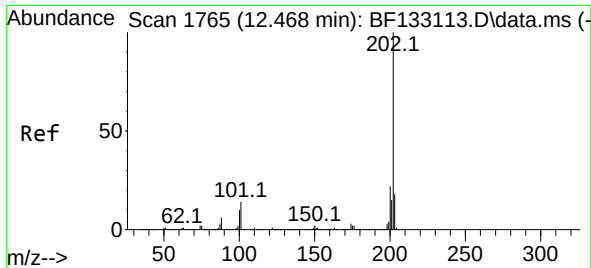
Reviewed By :Christian Giraldo 05/11/2023
Supervised By :Jagrut Upadhyay 05/11/2023



#71
Phenanthrene
Concen: 6.130 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF133328.D
Acq: 10 May 2023 13:52

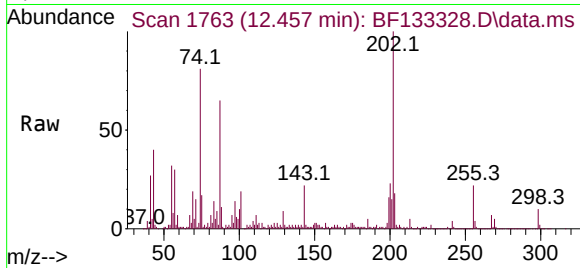
Tgt Ion:178 Resp: 155603
Ion Ratio Lower Upper
178 100
176 20.1 15.9 23.9
179 15.5 12.5 18.7





#75
Fluoranthene
Concen: 8.990 ng
RT: 12.457 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133328.D
Acq: 10 May 2023 13:52

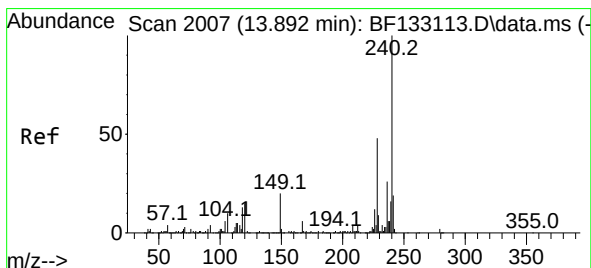
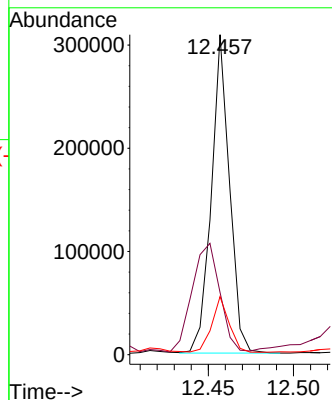
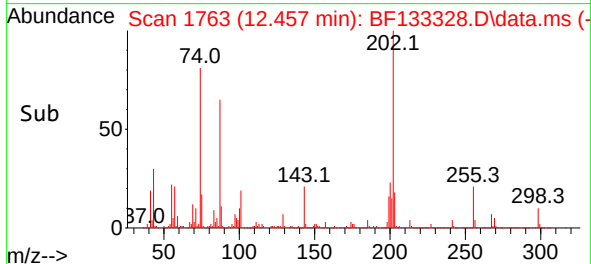
Instrument :
BNA_F
ClientSampleId :
BU-02-050823



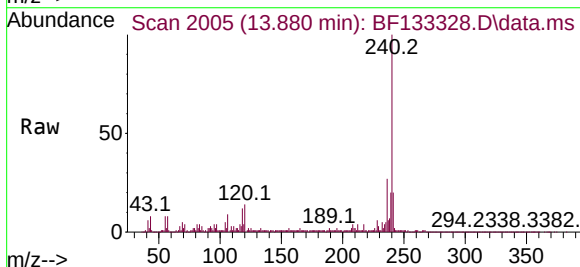
Tgt Ion:202 Resp: 22904
Ion Ratio Lower Upper
202 100
101 19.5 0.0 35.3
203 18.1 0.0 38.1

Manual Integrations
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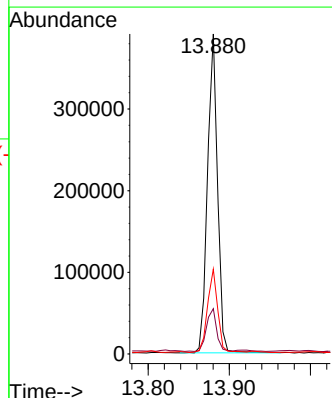
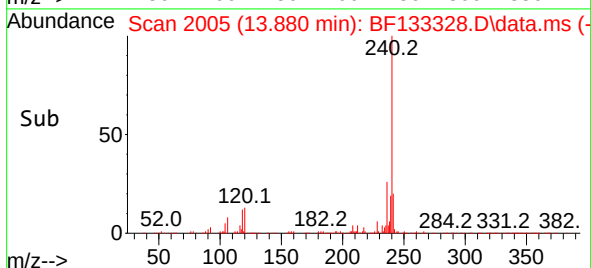
Reviewed By :Christian Giraldo 05/11/2023
Supervised By :Jagrut Upadhyay 05/11/2023

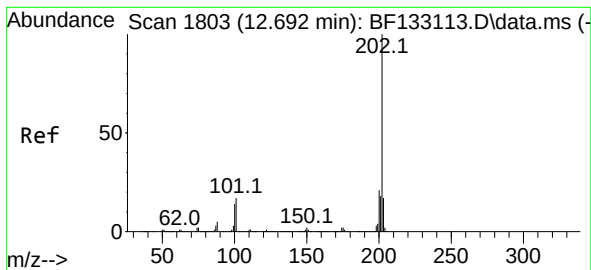


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.880 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BF133328.D
Acq: 10 May 2023 13:52



Tgt Ion:240 Resp: 333592
Ion Ratio Lower Upper
240 100
120 14.1 10.5 15.7
236 26.5 21.5 32.3





#78

Pyrene

Concen: 9.033 ng

RT: 12.686 min Scan# 1802

Delta R.T. 0.006 min

Lab File: BF133328.D

Acq: 10 May 2023 13:52

Instrument :

BNA_F

ClientSampleId :

BU-02-050823

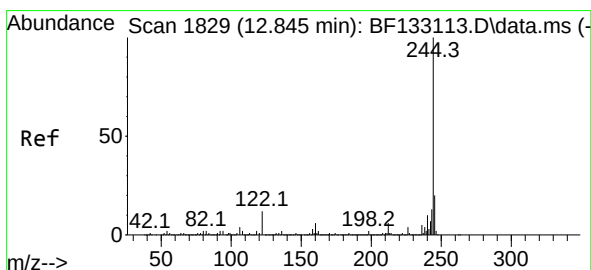
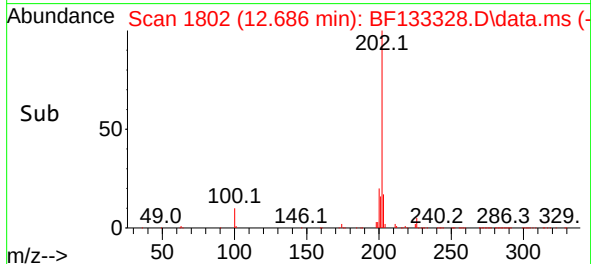
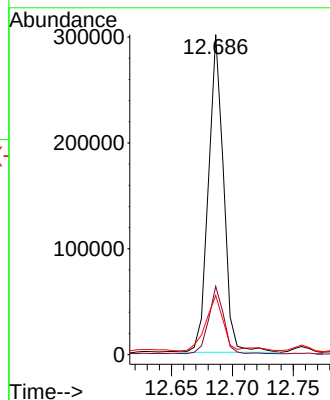
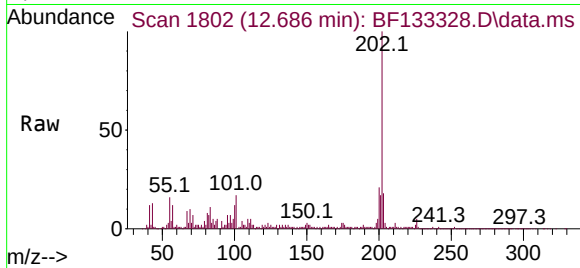
Tgt Ion:	202	Resp:	25830
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.1	25.7
203	18.5	14.1	21.1

Manual Integrations

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Reviewed By :Christian Giraldo 05/11/2023

Supervised By :Jagrut Upadhyay 05/11/2023



#79

Terphenyl-d14

Concen: 63.394 ng

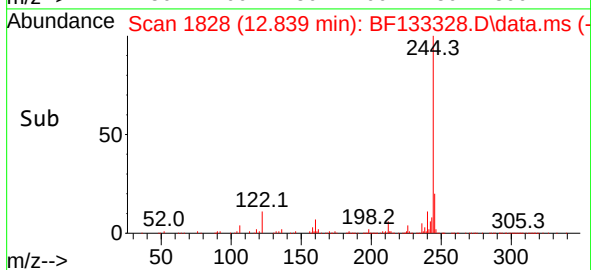
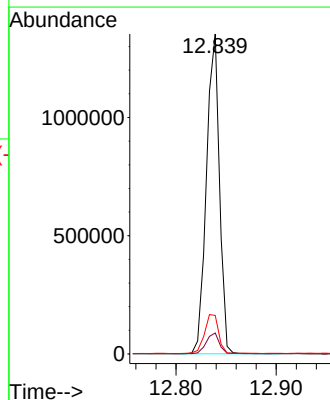
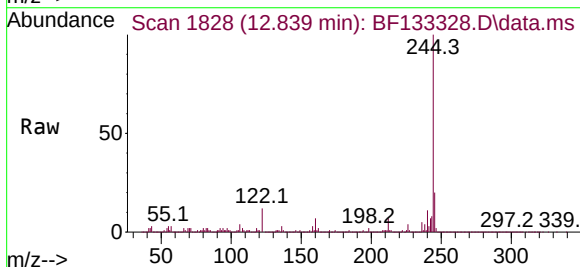
RT: 12.839 min Scan# 1828

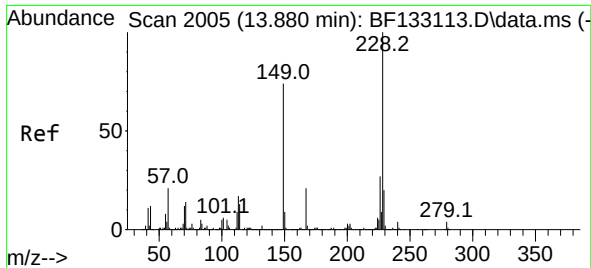
Delta R.T. 0.006 min

Lab File: BF133328.D

Acq: 10 May 2023 13:52

Tgt Ion:	244	Resp:	1226183
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.1	7.7
122	12.1	8.6	13.0





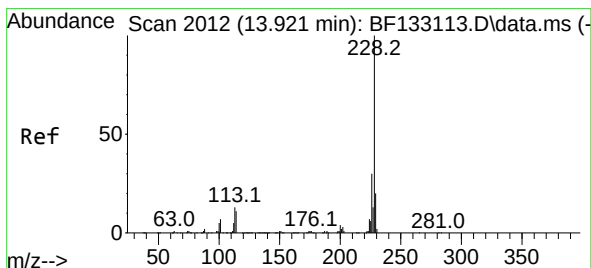
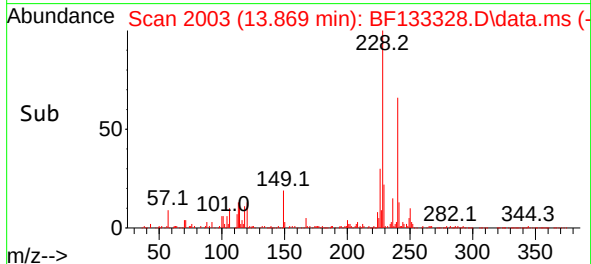
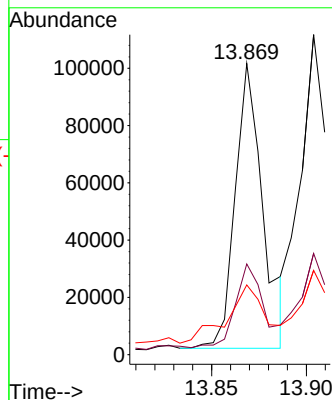
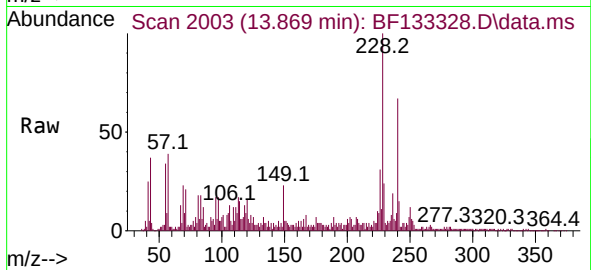
#81
Benzo(a)anthracene
Concen: 4.393 ng
RT: 13.869 min Scan# 2003
Delta R.T. 0.000 min
Lab File: BF133328.D
Acq: 10 May 2023 13:52

Instrument :
BNA_F
ClientSampleId :
BU-02-050823

Tgt Ion:228 Resp: 10076
Ion Ratio Lower Upper
228 100
226 31.1 22.2 33.4
229 23.9 16.0 24.0

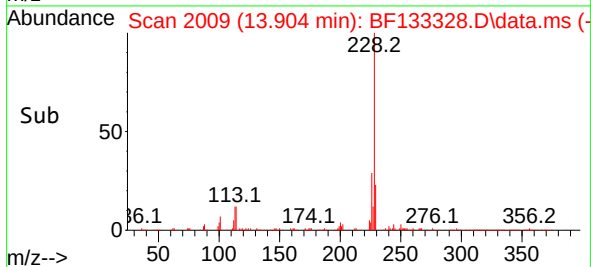
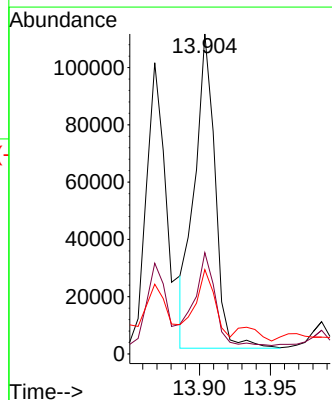
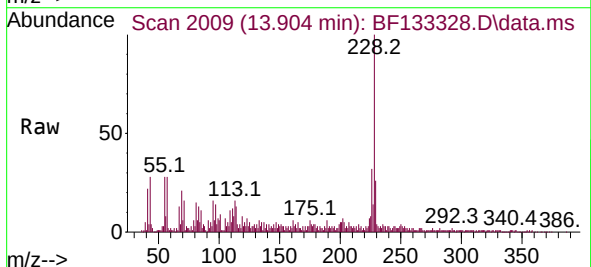
Manual Integrations
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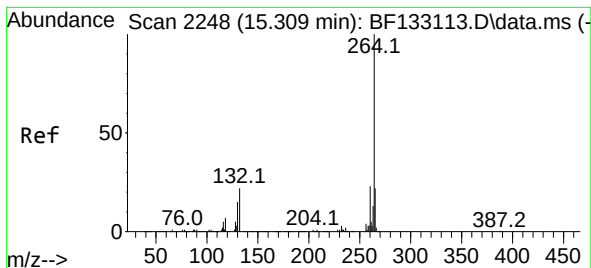
Reviewed By :Christian Giraldo 05/11/2023
Supervised By :Jagrut Upadhyay 05/11/2023



#83
Chrysene
Concen: 4.829 ng m
RT: 13.904 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF133328.D
Acq: 10 May 2023 13:52

Tgt Ion:228 Resp: 110746
Ion Ratio Lower Upper
228 100
226 31.6 24.7 37.1
229 26.3 16.1 24.1#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.304 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF133328.D
Acq: 10 May 2023 13:52

Instrument :

BNA_F

ClientSampleId :

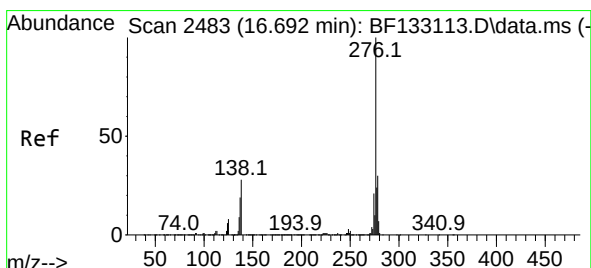
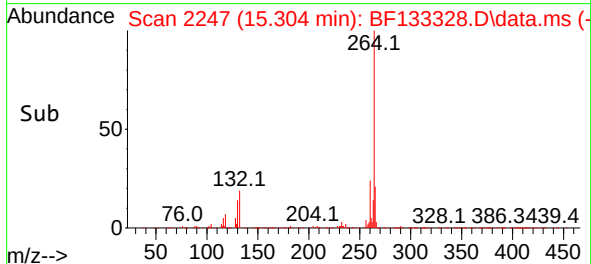
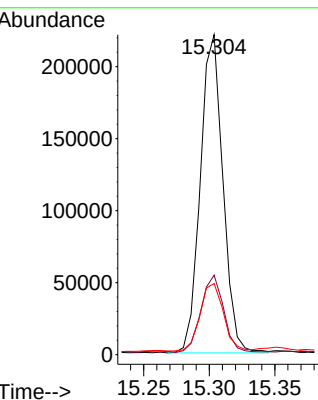
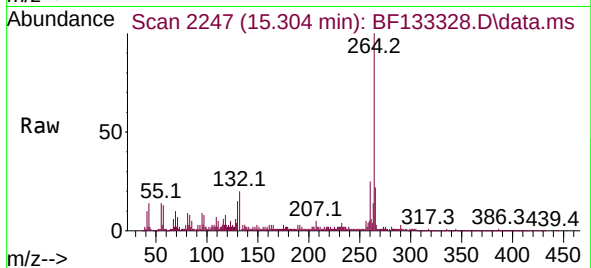
BU-02-050823

Tgt Ion:264 Resp: 265478
Ion Ratio Lower Upper
264 100
260 24.9 18.8 28.2
265 22.3 17.0 25.4

Manual Integrations

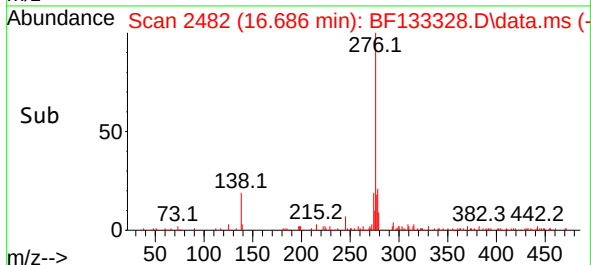
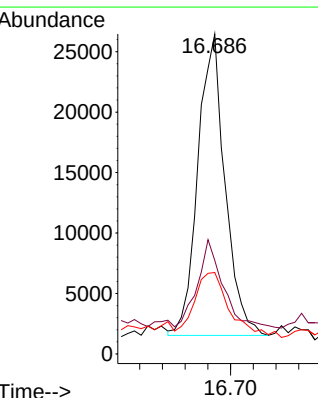
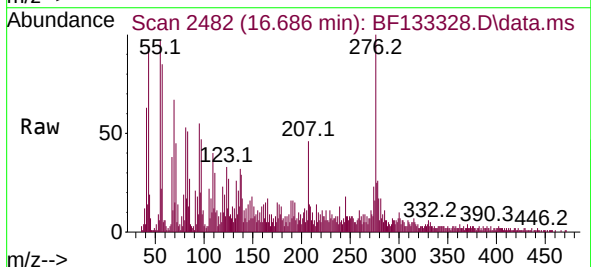
APPROVED

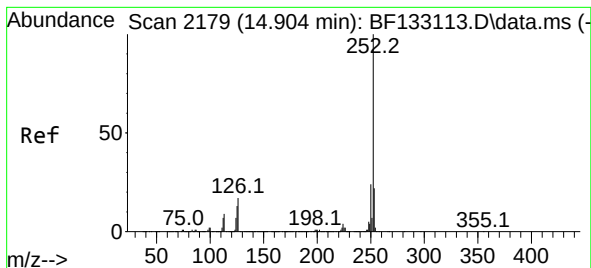
Reviewed By :Christian Giraldo 05/11/2023
Supervised By :Jagrut Upadhyay 05/11/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.737 ng
RT: 16.686 min Scan# 2482
Delta R.T. 0.012 min
Lab File: BF133328.D
Acq: 10 May 2023 13:52

Tgt Ion:276 Resp: 41332
Ion Ratio Lower Upper
276 100
138 27.8 25.5 38.3
277 28.4 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 6.686 ng m

RT: 14.898 min Scan# 2179

Delta R.T. 0.006 min

Lab File: BF133328.D

Acq: 10 May 2023 13:52

Instrument :

BNA_F

ClientSampleId :

BU-02-050823

Tgt Ion:252 Resp: 112929

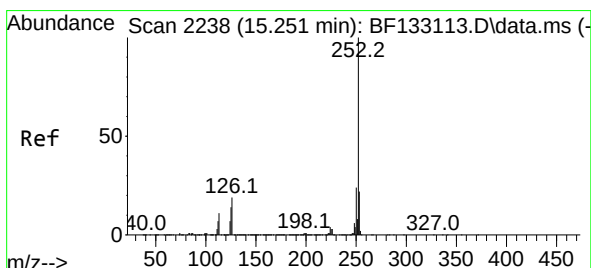
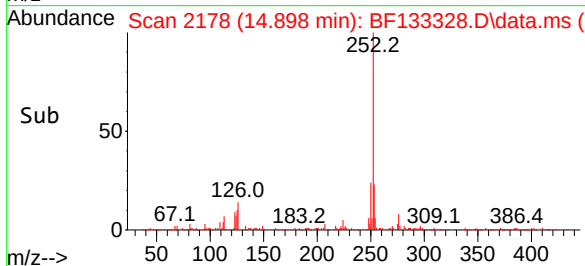
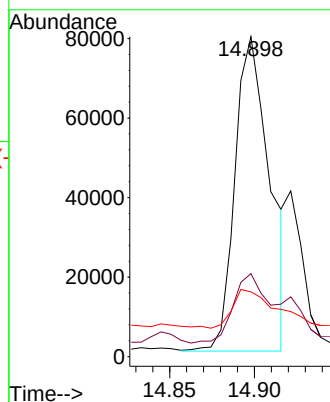
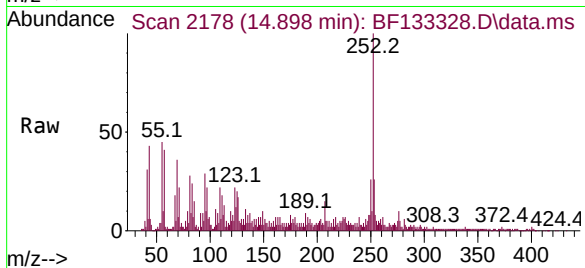
Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.6	26.4
125	20.2	8.9	13.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/11/2023

Supervised By :Jagrut Upadhyay 05/11/2023



#90

Benzo(a)pyrene

Concen: 4.158 ng

RT: 15.239 min Scan# 2236

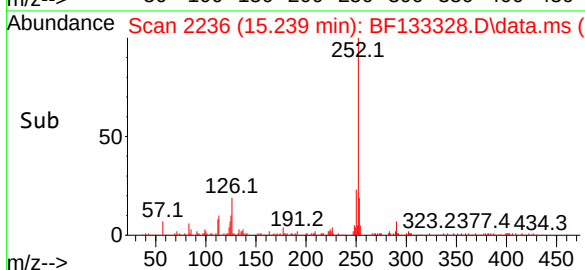
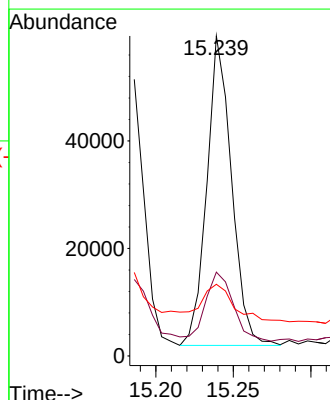
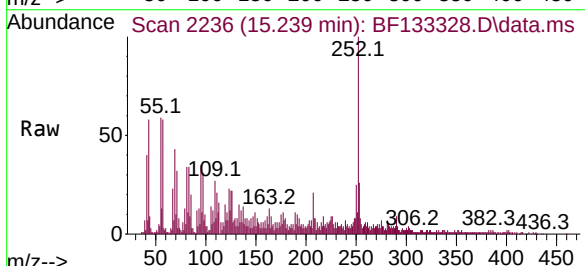
Delta R.T. 0.000 min

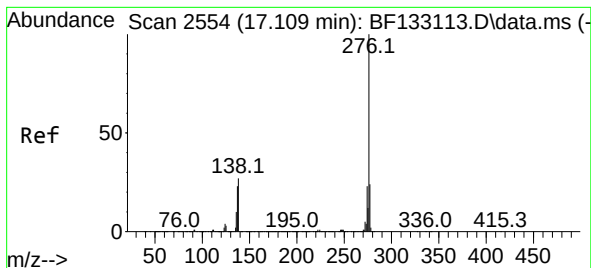
Lab File: BF133328.D

Acq: 10 May 2023 13:52

Tgt Ion:252 Resp: 63922

Ion	Ratio	Lower	Upper
252	100		
253	26.2	17.7	26.5
125	22.4	10.5	15.7





#92

Benzo(g,h,i)perylene

Concen: 3.624 ng

RT: 17.098 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF133328.D

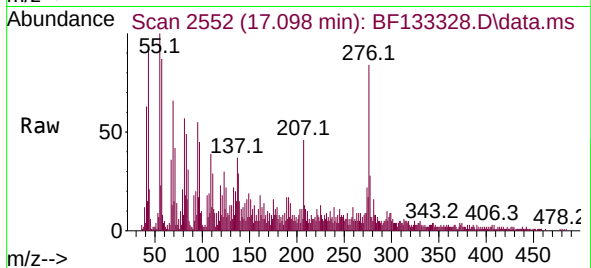
Acq: 10 May 2023 13:52

Instrument :

BNA_F

ClientSampleId :

BU-02-050823



Tgt Ion: 276 Resp: 4506

Ion Ratio Lower Upper

276 100

277 33.0 19.4 29.0

138 34.3 22.7 34.1

Manual Integrations

APPROVED

Reviewed By : Christian Giraldo 05/11/2023

Supervised By : Jagrut Upadhyay 05/11/2023

