

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042423\
 Data File : BF133018.D
 Acq On : 25 Apr 2023 02:57
 Operator : CG\JU
 Sample : 02470-06
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-06-COMP

Quant Time: Apr 25 05:22:41 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 22 03:30:56 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/25/2023
 Supervised By : Jagrut Upadhyay 04/25/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.745	152	192668	20.000	ng	0.00
21) Naphthalene-d8	8.028	136	768620	20.000	ng	-0.01
39) Acenaphthene-d10	9.780	164	375784	20.000	ng	-0.01
64) Phenanthrene-d10	11.263	188	596523	20.000	ng	0.00
76) Chrysene-d12	13.898	240	407371	20.000	ng	-0.01
86) Perylene-d12	15.327	264	348269	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	933586	73.198	ng	0.00
7) Phenol-d6	6.386	99	1125362	71.087	ng	0.00
23) Nitrobenzene-d5	7.310	82	672220	47.207	ng	-0.01
42) 2,4,6-Tribromophenol	10.569	330	223457	59.128	ng	-0.01
45) 2-Fluorobiphenyl	9.104	172	1237406	55.090	ng	-0.01
79) Terphenyl-d14	12.851	244	1094479	46.336	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	11.286	178	65260	2.035	ng	98
75) Fluoranthene	12.474	202	107343	3.336	ng	96
78) Pyrene	12.698	202	108982	3.121	ng	99
81) Benzo(a)anthracene	13.886	228	59152	2.112	ng	95
88) Benzo(b)fluoranthene	14.915	252	66613m	3.006	ng	
90) Benzo(a)pyrene	15.262	252	44099	2.187	ng	# 89

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

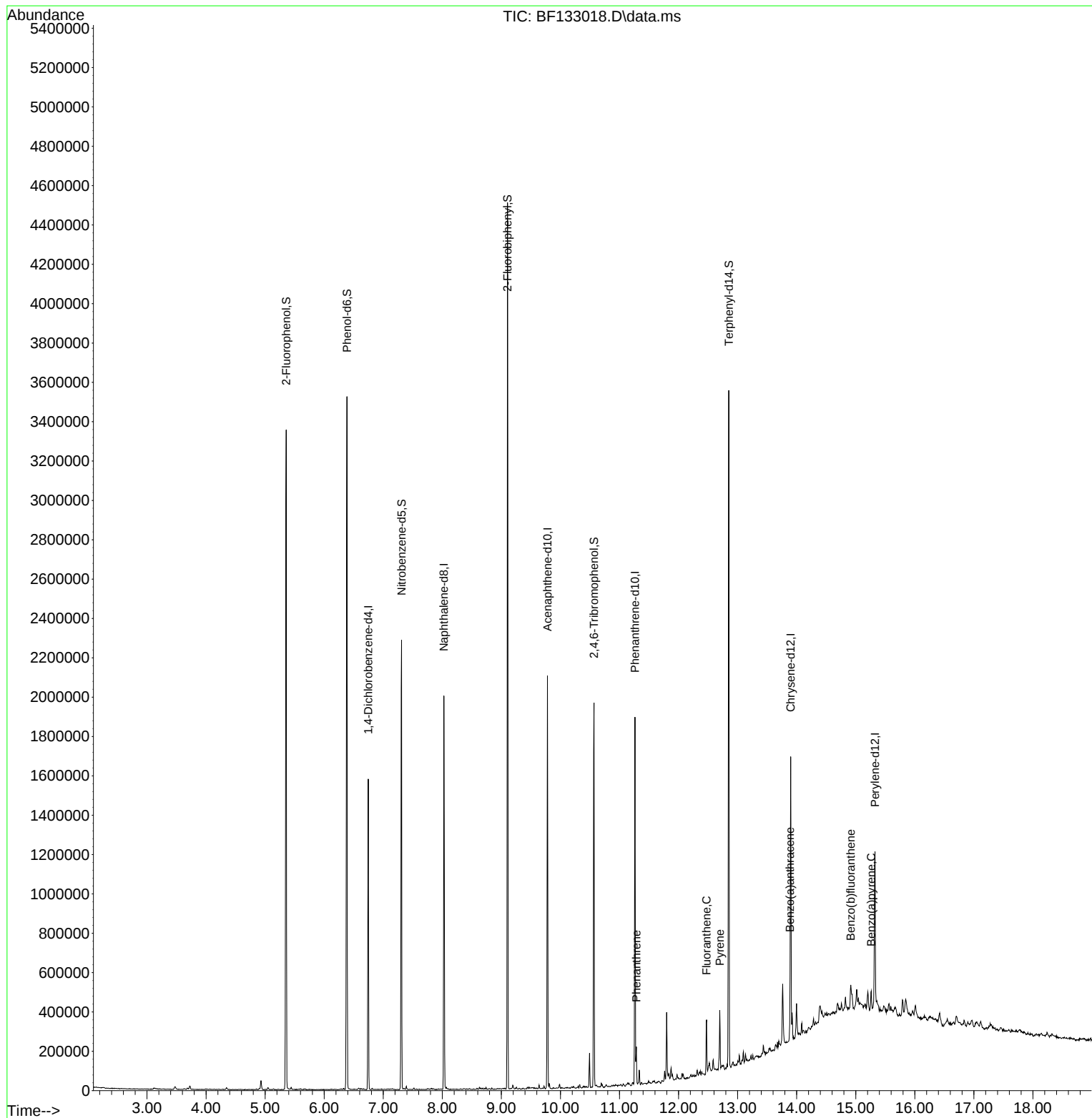
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042423\
Data File : BF133018.D
Acq On : 25 Apr 2023 02:57
Operator : CG\JU
Sample : 02470-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

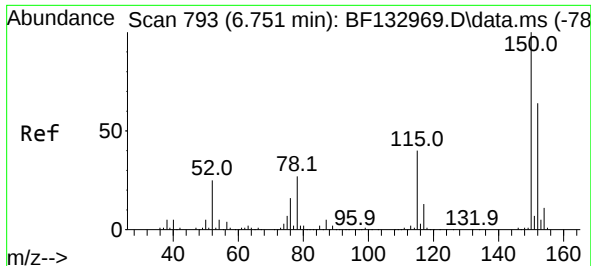
Instrument :
BNA_F
ClientSampleId :
SB-06-COMP

Quant Time: Apr 25 05:22:41 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
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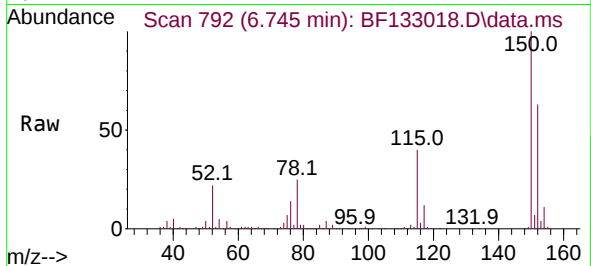
Reviewed By : Christian Giraldo 04/25/2023
Supervised By : Jagrut Upadhyay 04/25/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.745 min Scan# 793
Delta R.T. -0.006 min
Lab File: BF133018.D
Acq: 25 Apr 2023 02:57

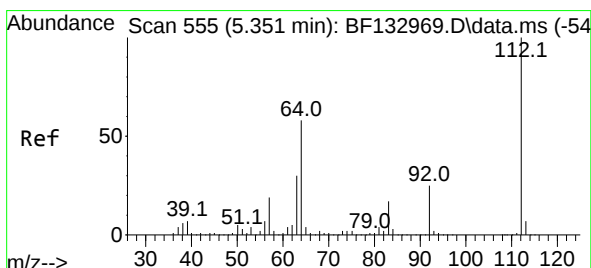
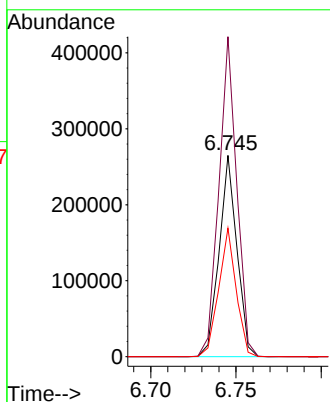
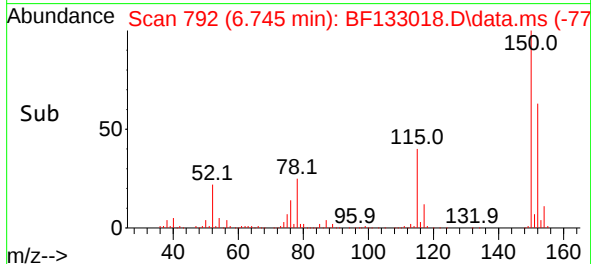
Instrument :
BNA_F
ClientSampleId :
SB-06-COMP



Tgt Ion:152 Resp: 192668
Ion Ratio Lower Upper
152 100
150 158.9 124.8 187.2
115 63.8 49.9 74.9

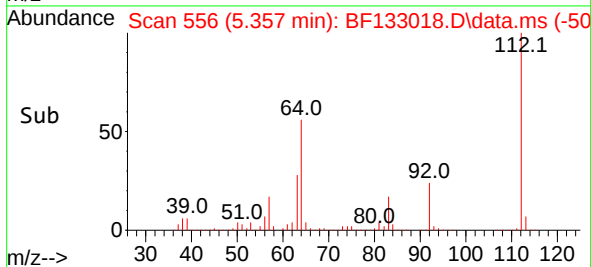
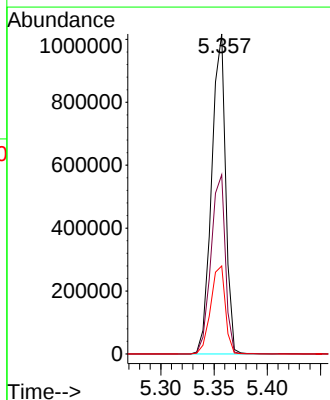
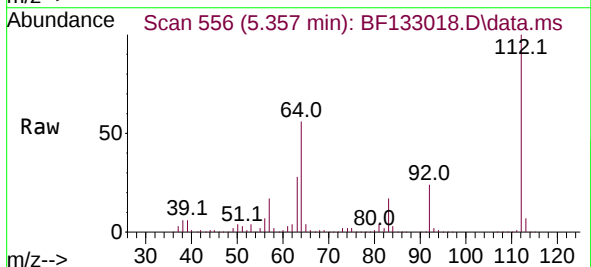
Manual Integrations
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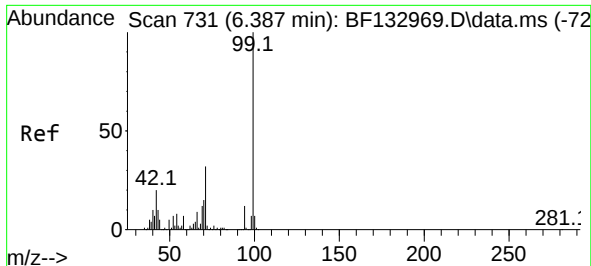
Reviewed By :Christian Giraldo 04/25/2023
Supervised By :Jagrut Upadhyay 04/25/2023



#5
2-Fluorophenol
Concen: 73.198 ng
RT: 5.357 min Scan# 556
Delta R.T. 0.006 min
Lab File: BF133018.D
Acq: 25 Apr 2023 02:57

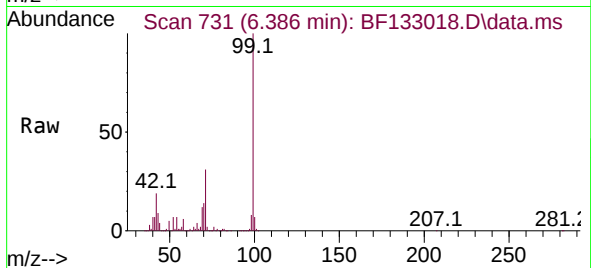
Tgt Ion:112 Resp: 933586
Ion Ratio Lower Upper
112 100
64 56.0 46.8 70.2
63 27.5 23.8 35.8





#7
Phenol-d6
Concen: 71.087 ng
RT: 6.386 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF133018.D
Acq: 25 Apr 2023 02:57

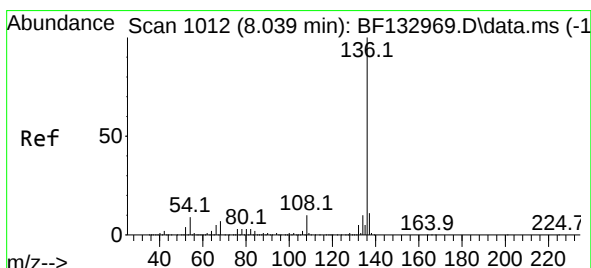
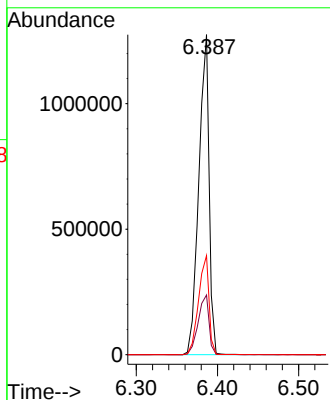
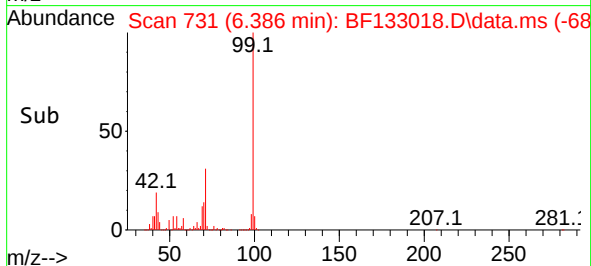
Instrument :
BNA_F
ClientSampleId :
SB-06-COMP



Tgt Ion: 99 Resp: 112536
Ion Ratio Lower Upper
99 100
42 18.7 16.3 24.5
71 31.0 25.6 38.4

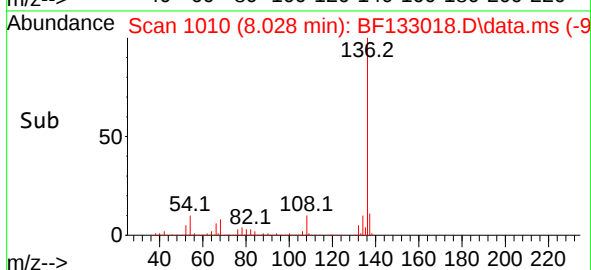
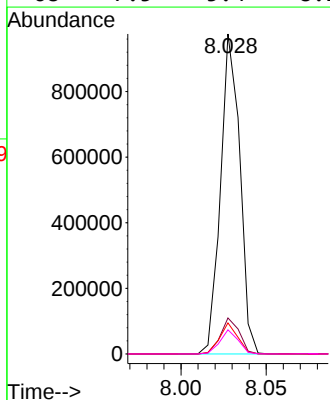
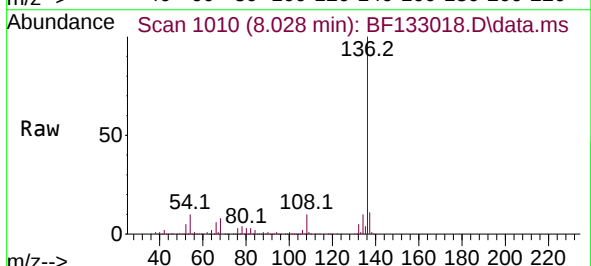
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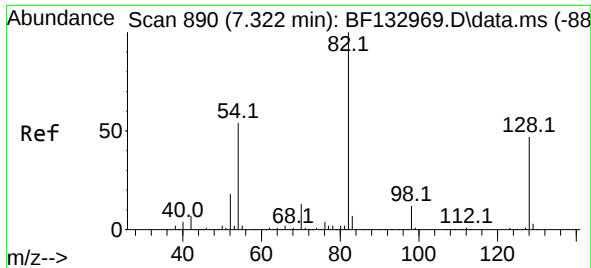
Reviewed By :Christian Giraldo 04/25/2023
Supervised By :Jagrut Upadhyay 04/25/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.028 min Scan# 1010
Delta R.T. -0.012 min
Lab File: BF133018.D
Acq: 25 Apr 2023 02:57

Tgt Ion:136 Resp: 768620
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 9.7 7.0 10.4
68 7.5 5.4 8.2





#23

Nitrobenzene-d5

Concen: 47.207 ng

RT: 7.310 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF133018.D

Acq: 25 Apr 2023 02:57

Instrument :

BNA_F

ClientSampleId :

SB-06-COMP

Tgt Ion: 82 Resp: 672220

Ion Ratio Lower Upper

82 100

128 49.1 37.7 56.5

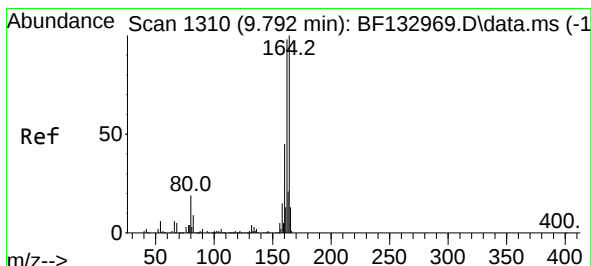
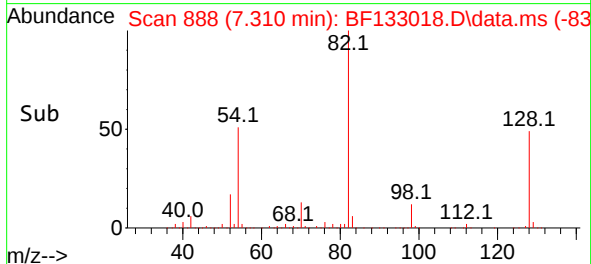
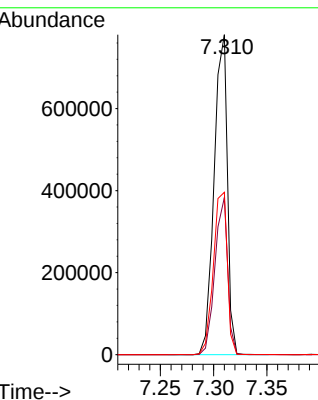
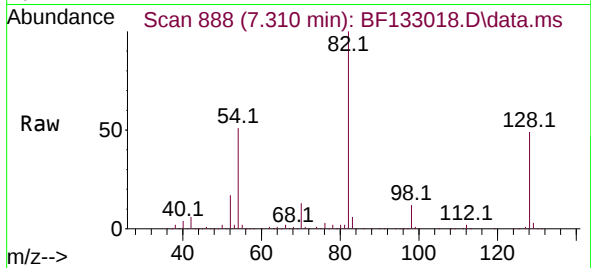
54 50.8 43.0 64.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 04/25/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.780 min Scan# 1308

Delta R.T. -0.012 min

Lab File: BF133018.D

Acq: 25 Apr 2023 02:57

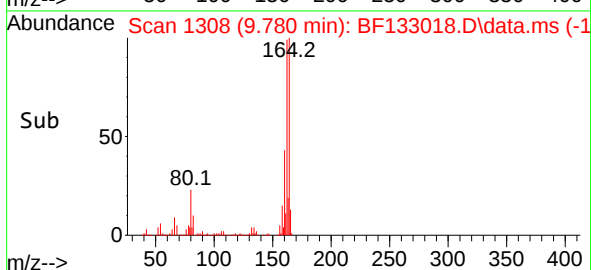
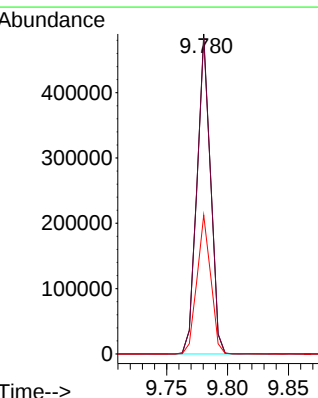
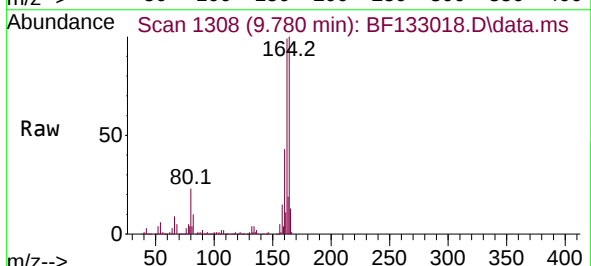
Tgt Ion:164 Resp: 375784

Ion Ratio Lower Upper

164 100

162 98.7 78.7 118.1

160 43.4 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 59.128 ng
RT: 10.569 min Scan# 1444
Delta R.T. -0.012 min
Lab File: BF133018.D
Acq: 25 Apr 2023 02:57

Instrument :

BNA_F

ClientSampleId :

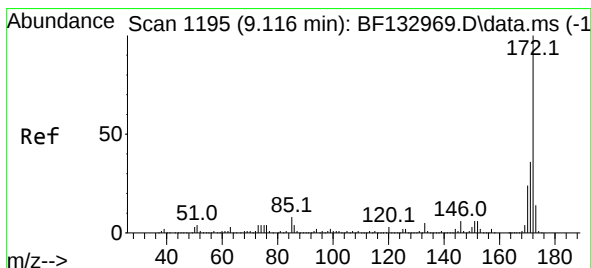
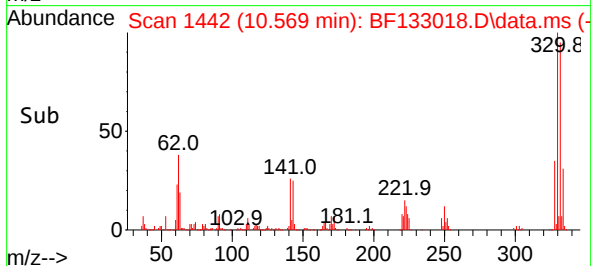
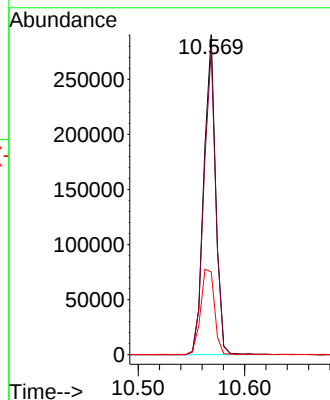
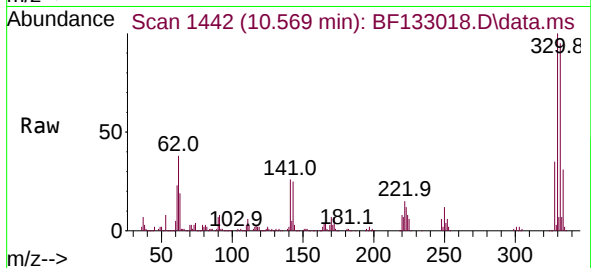
SB-06-COMP

Tgt Ion: 330 Resp: 22345
Ion Ratio Lower Upper
330 100
332 96.1 77.1 115.7
141 31.4 25.8 38.8

Manual Integrations

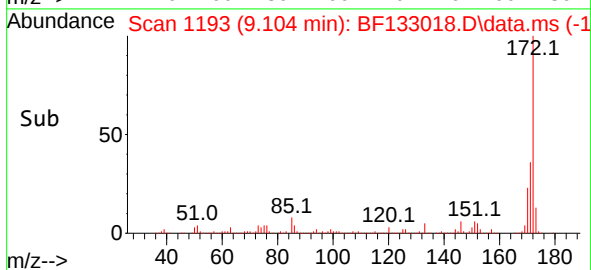
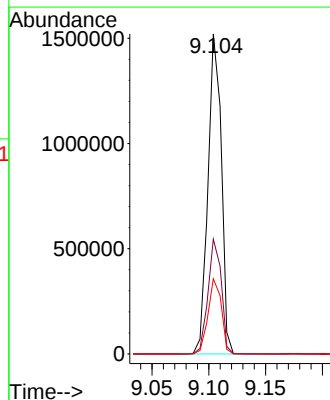
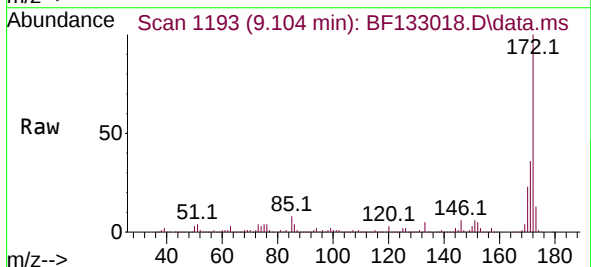
APPROVED

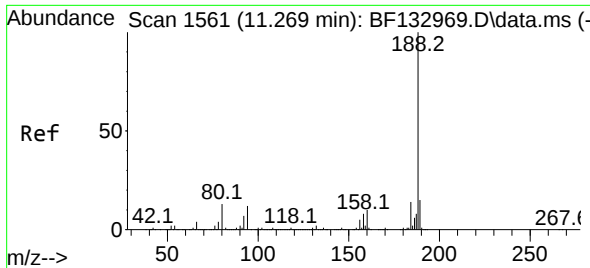
Reviewed By : Christian Giraldo 04/25/2023
Supervised By : Jagrut Upadhyay 04/25/2023



#45
2-Fluorobiphenyl
Concen: 55.090 ng
RT: 9.104 min Scan# 1193
Delta R.T. -0.012 min
Lab File: BF133018.D
Acq: 25 Apr 2023 02:57

Tgt Ion: 172 Resp: 1237406
Ion Ratio Lower Upper
172 100
171 35.9 28.8 43.2
170 23.5 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.263 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133018.D
Acq: 25 Apr 2023 02:57

Instrument :

BNA_F

ClientSampleId :

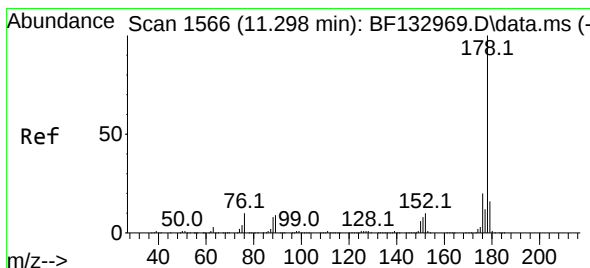
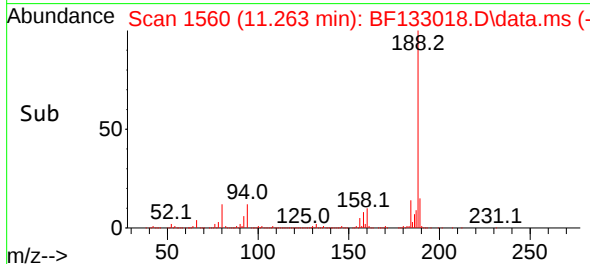
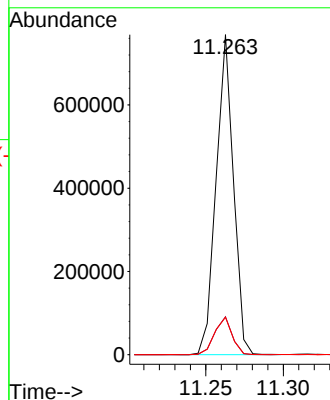
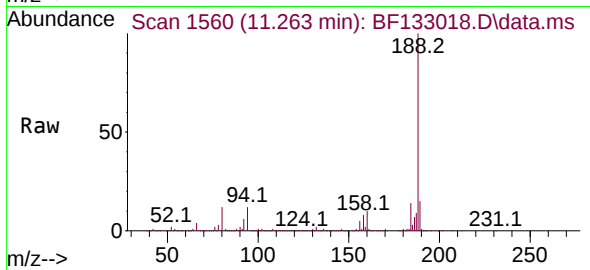
SB-06-COMP

Tgt Ion:188 Resp: 59652
Ion Ratio Lower Upper
188 100
94 11.8 9.7 14.5
80 11.7 10.4 15.6

Manual Integrations

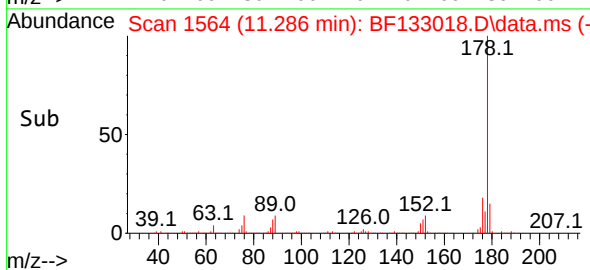
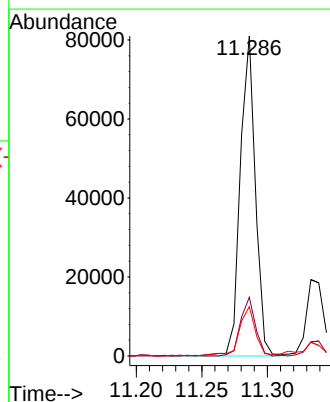
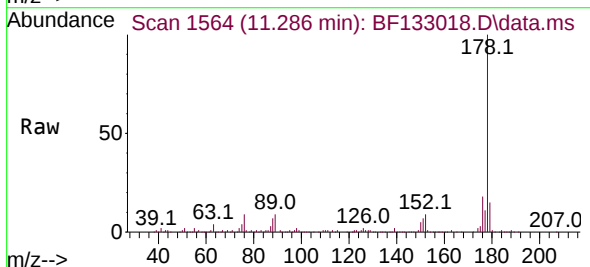
APPROVED

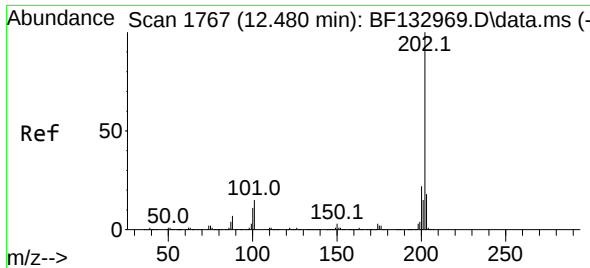
Reviewed By :Christian Giraldo 04/25/2023
Supervised By :Jagrut Upadhyay 04/25/2023



#71
Phenanthrene
Concen: 2.035 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.012 min
Lab File: BF133018.D
Acq: 25 Apr 2023 02:57

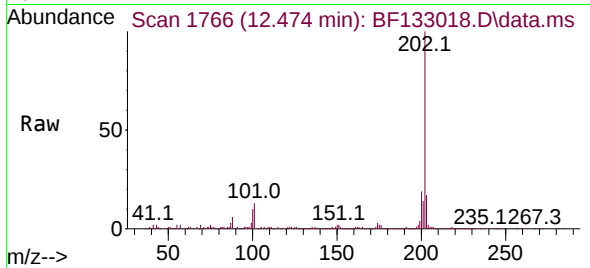
Tgt Ion:178 Resp: 65260
Ion Ratio Lower Upper
178 100
176 18.4 15.9 23.9
179 15.4 12.5 18.7





#75
Fluoranthene
Concen: 3.336 ng
RT: 12.474 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133018.D
Acq: 25 Apr 2023 02:57

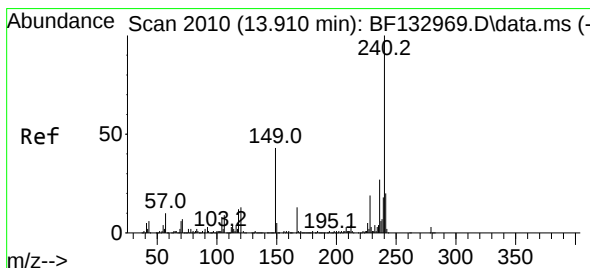
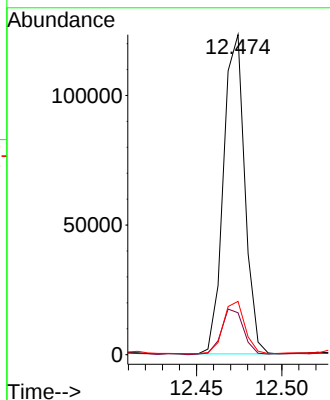
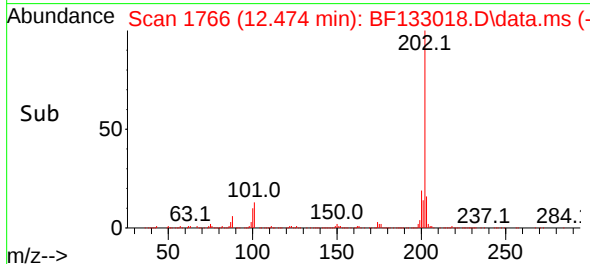
Instrument :
BNA_F
ClientSampleId :
SB-06-COMP



Tgt Ion:202 Resp: 10734
Ion Ratio Lower Upper
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101 13.1 0.0 35.3
203 16.7 0.0 38.1

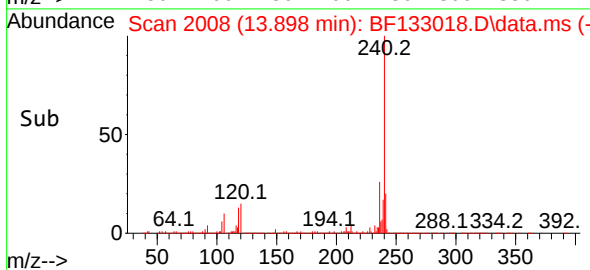
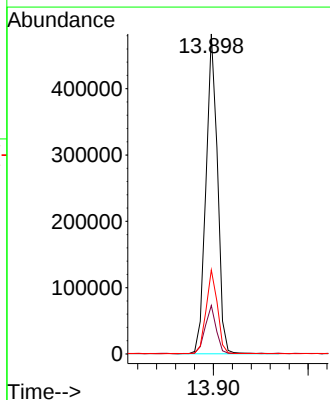
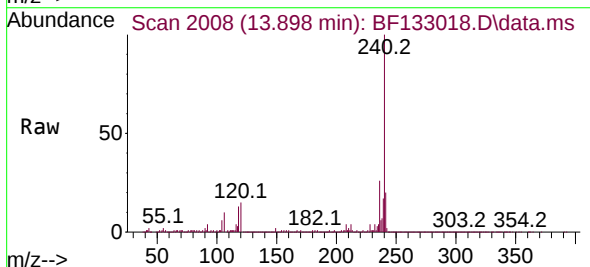
Manual Integrations
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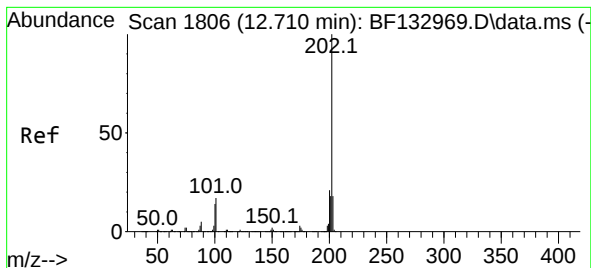
Reviewed By :Christian Giraldo 04/25/2023
Supervised By :Jagrut Upadhyay 04/25/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.898 min Scan# 2008
Delta R.T. -0.012 min
Lab File: BF133018.D
Acq: 25 Apr 2023 02:57

Tgt Ion:240 Resp: 407371
Ion Ratio Lower Upper
240 100
120 15.1 10.5 15.7
236 26.2 21.5 32.3





#78

Pyrene

Concen: 3.121 ng

RT: 12.698 min Scan# 1804

Delta R.T. -0.012 min

Lab File: BF133018.D

Acq: 25 Apr 2023 02:57

Instrument :

BNA_F

ClientSampleId :

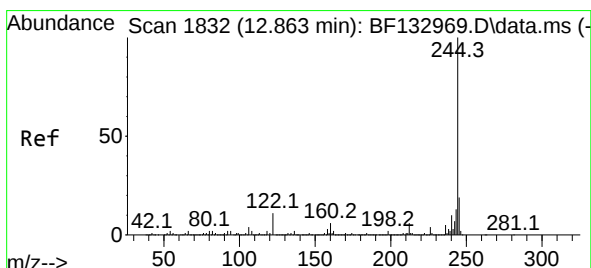
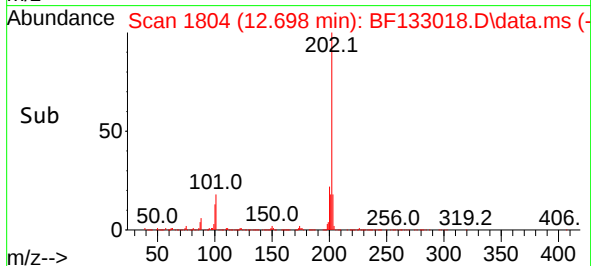
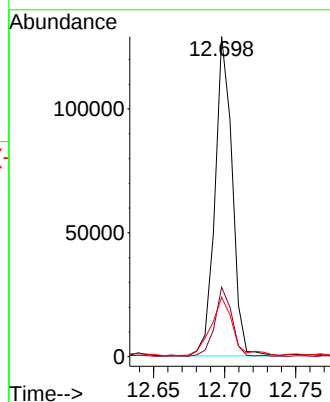
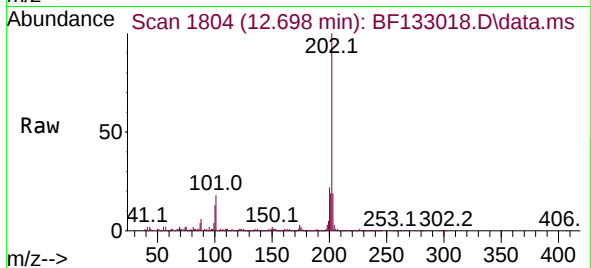
SB-06-COMP

Tgt Ion:202 Resp: 108982
 Ion Ratio Lower Upper
 202 100
 200 21.7 17.1 25.7
 203 18.6 14.1 21.1

Manual Integrations

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Reviewed By :Christian Giraldo 04/25/2023
 Supervised By :Jagrut Upadhyay 04/25/2023



#79

Terphenyl-d14

Concen: 46.336 ng

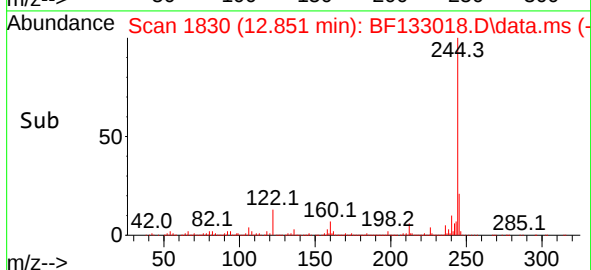
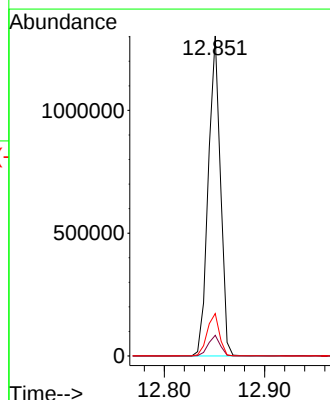
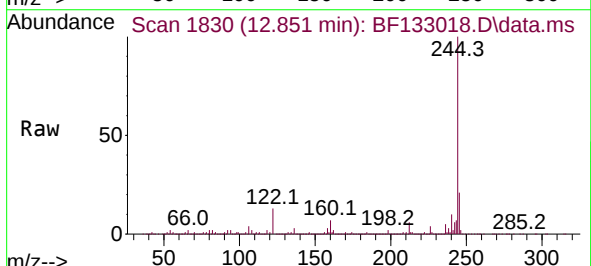
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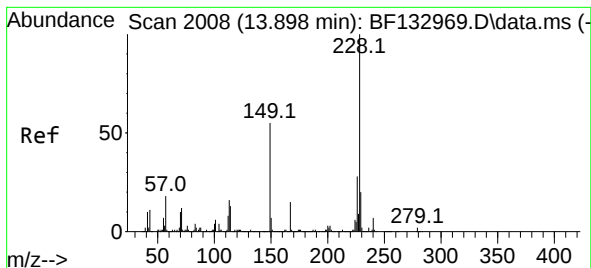
Delta R.T. -0.012 min

Lab File: BF133018.D

Acq: 25 Apr 2023 02:57

Tgt Ion:244 Resp: 1094479
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.1 7.7
 122 13.3 8.6 13.0#





#81

Benzo(a)anthracene

Concen: 2.112 ng

RT: 13.886 min Scan# 2008

Delta R.T. -0.012 min

Lab File: BF133018.D

Acq: 25 Apr 2023 02:57

Instrument :

BNA_F

ClientSampleId :

SB-06-COMP

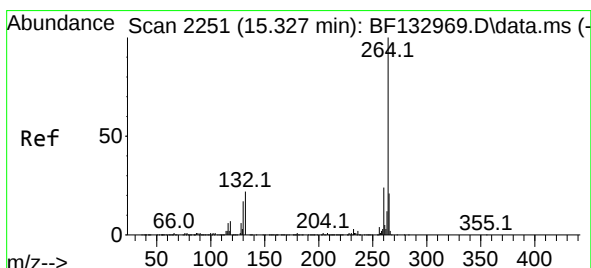
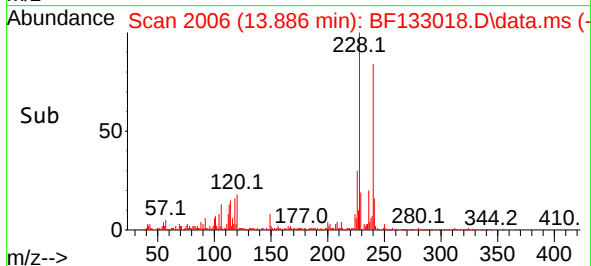
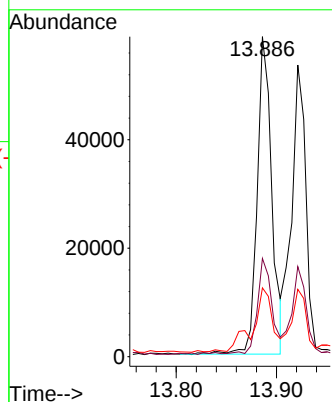
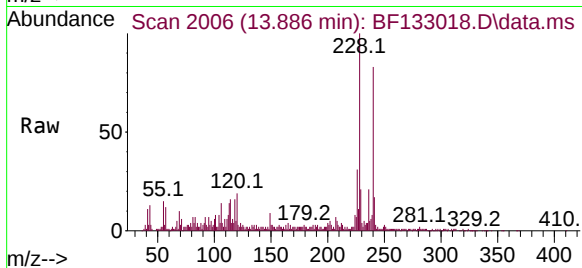
Tgt Ion:228	Resp: 5915
Ion Ratio	Lower Upper
228 100	
226 30.7	22.2 33.4
229 21.5	16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/25/2023

Supervised By :Jagrut Upadhyay 04/25/2023



#86

Perylene-d12

Concen: 20.000 ng

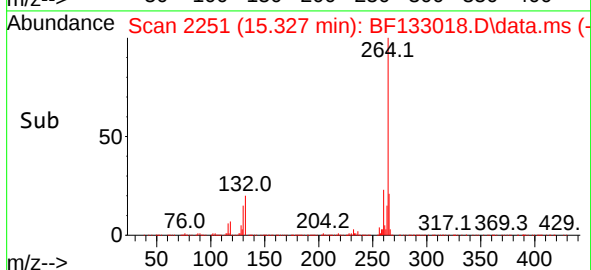
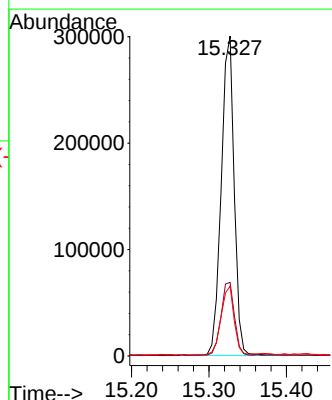
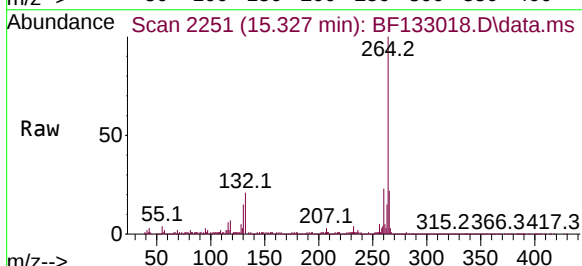
RT: 15.327 min Scan# 2251

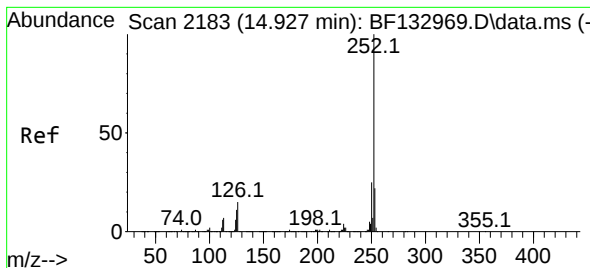
Delta R.T. -0.000 min

Lab File: BF133018.D

Acq: 25 Apr 2023 02:57

Tgt Ion:264	Resp: 348269
Ion Ratio	Lower Upper
264 100	
260 23.0	18.8 28.2
265 21.9	17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 3.006 ng m

RT: 14.915 min Scan# 2183

Delta R.T. -0.012 min

Lab File: BF133018.D

Acq: 25 Apr 2023 02:57

Instrument :

BNA_F

ClientSampleId :

SB-06-COMP

Tgt Ion:252 Resp: 6661

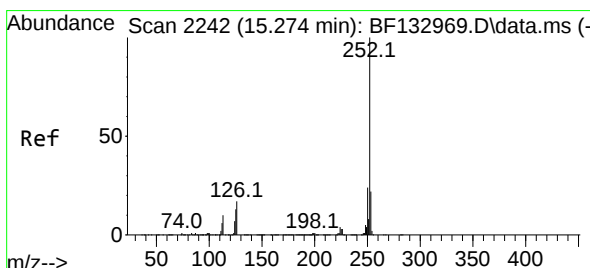
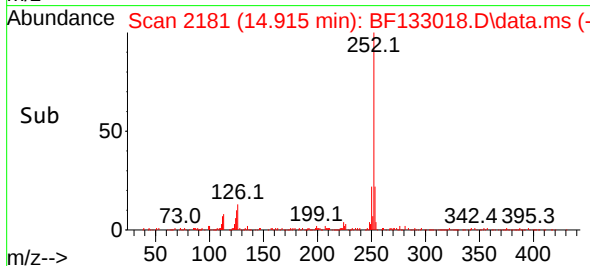
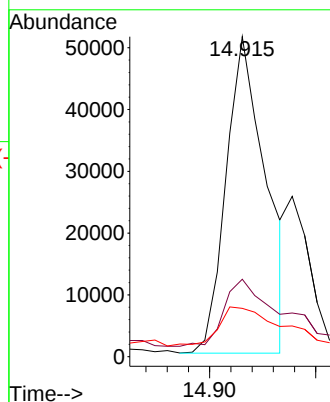
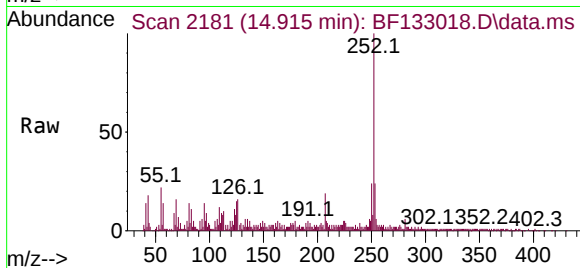
Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.6	26.4
125	15.1	8.9	13.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/25/2023

Supervised By :Jagrut Upadhyay 04/25/2023



#90

Benzo(a)pyrene

Concen: 2.187 ng

RT: 15.262 min Scan# 2240

Delta R.T. -0.012 min

Lab File: BF133018.D

Acq: 25 Apr 2023 02:57

Tgt Ion:252 Resp: 44099

Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.7	26.5
125	19.7	10.5	15.7

