

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050223\
 Data File : BF133195.D
 Acq On : 02 May 2023 18:22
 Operator : CG\JU
 Sample : 02572-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT2343

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/03/2023
 Supervised By : Jagrut Upadhyay 05/03/2023

Quant Time: May 03 06:20:54 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 04:52:44 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	211436	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	837696	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	410911	20.000	ng	0.00
64) Phenanthrene-d10	11.245	188	660437	20.000	ng	0.00
76) Chrysene-d12	13.880	240	366042	20.000	ng	-0.01
86) Perylene-d12	15.304	264	392025	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1228262	87.753	ng	0.00
7) Phenol-d6	6.369	99	1518157	87.387	ng	0.00
23) Nitrobenzene-d5	7.292	82	899908	57.985	ng	0.00
42) 2,4,6-Tribromophenol	10.557	330	341337	82.598	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	1486699	60.530	ng	0.00
79) Terphenyl-d14	12.833	244	1175416	55.382	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.269	178	253114	7.131	ng	98
75) Fluoranthene	12.457	202	458495	12.870	ng	98
78) Pyrene	12.686	202	414389	13.206	ng	99
81) Benzo(a)anthracene	13.868	228	173070	6.876	ng	97
83) Chrysene	13.904	228	198182	7.875	ng	96
87) Indeno(1,2,3-cd)pyrene	16.674	276	70933	3.181	ng	96
88) Benzo(b)fluoranthene	14.898	252	257252m	10.315	ng	
89) Benzo(k)fluoranthene	14.921	252	68168m	2.757	ng	
90) Benzo(a)pyrene	15.239	252	123655	5.447	ng	97
92) Benzo(g,h,i)perylene	17.086	276	60728	3.307	ng	97

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

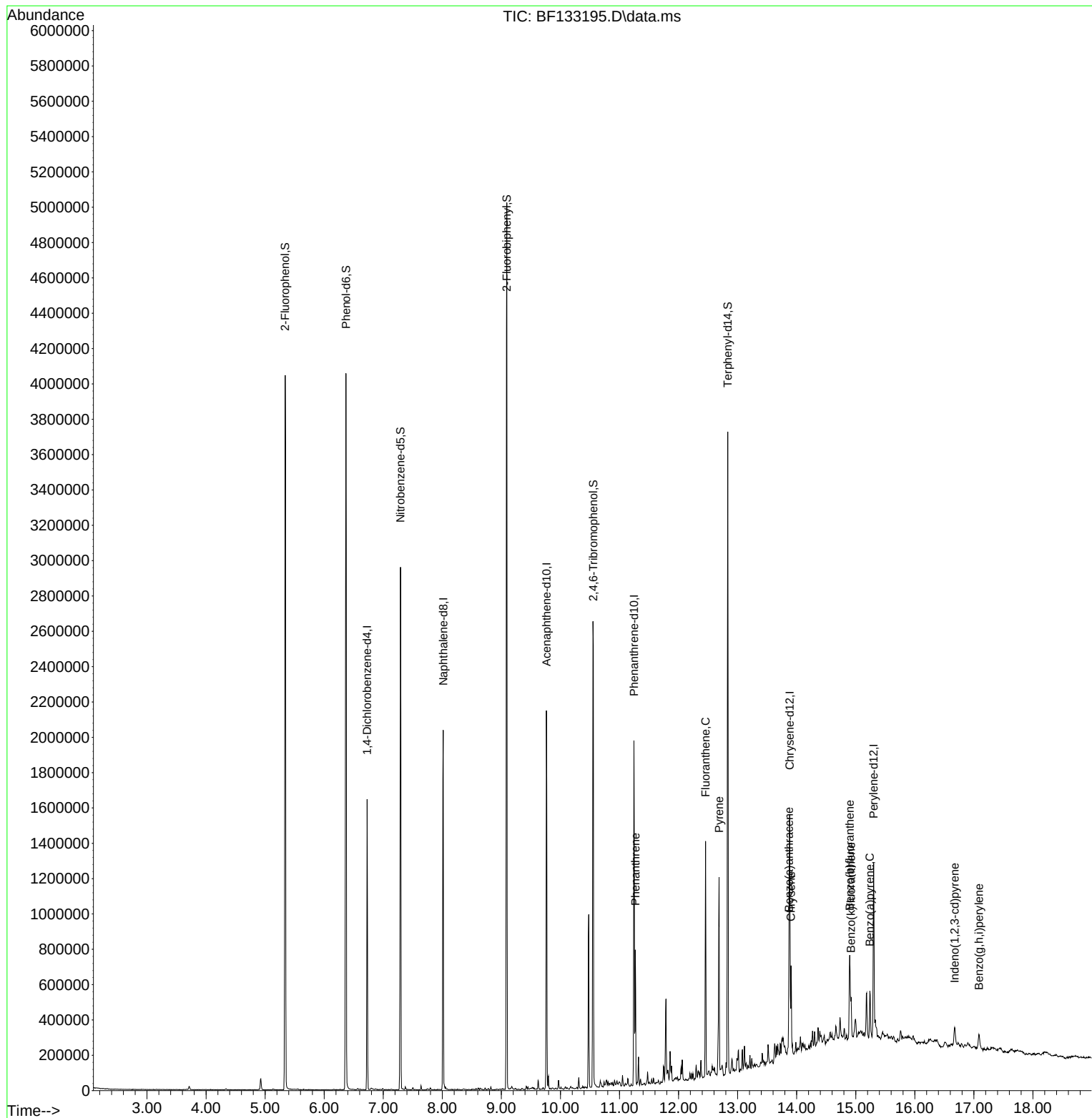
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050223\
Data File : BF133195.D
Acq On : 02 May 2023 18:22
Operator : CG\JU
Sample : 02572-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

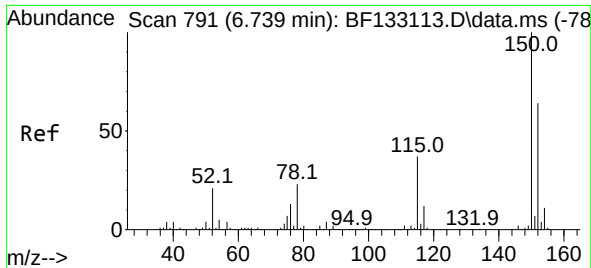
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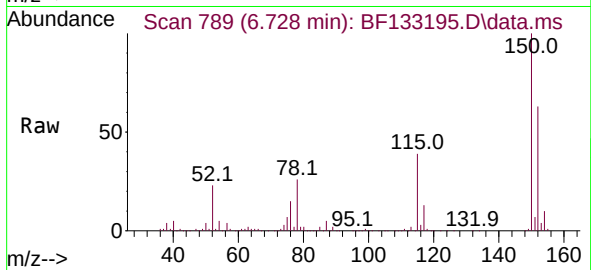
Quant Time: May 03 06:20:54 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 03 04:52:44 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133195.D
Acq: 02 May 2023 18:22

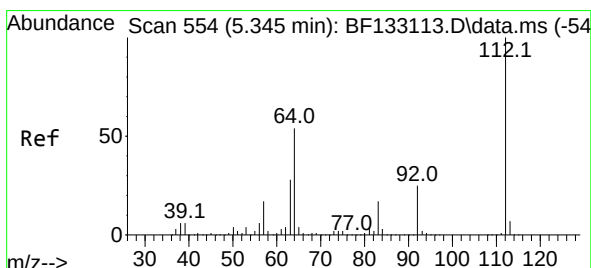
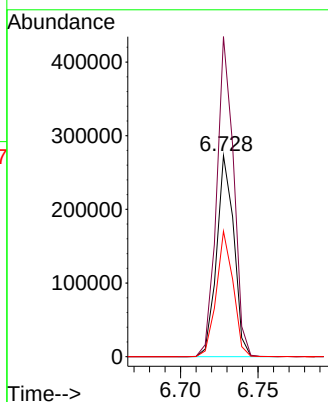
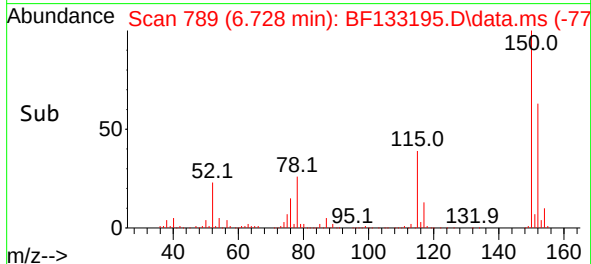
Instrument :
BNA_F
ClientSampleId :
RT2343



Tgt Ion:152 Resp: 211430
Ion Ratio Lower Upper
152 100
150 159.1 124.8 187.2
115 62.4 49.9 74.9

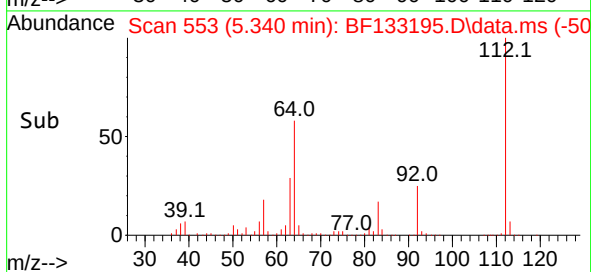
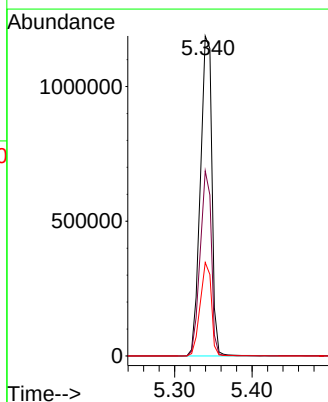
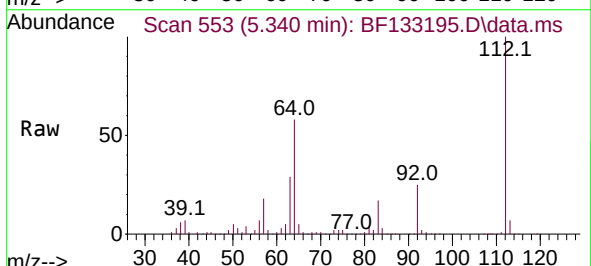
Manual Integrations
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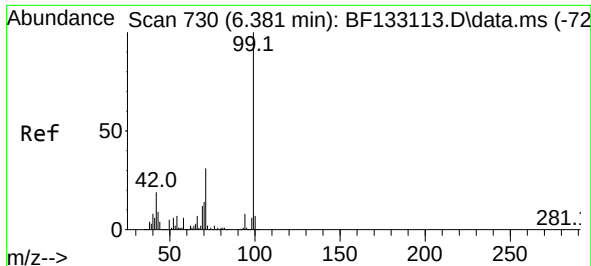
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#5
2-Fluorophenol
Concen: 87.753 ng
RT: 5.340 min Scan# 553
Delta R.T. 0.000 min
Lab File: BF133195.D
Acq: 02 May 2023 18:22

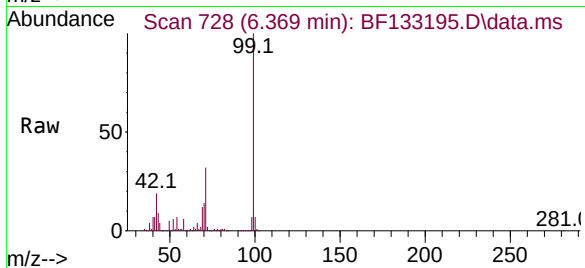
Tgt Ion:112 Resp: 1228262
Ion Ratio Lower Upper
112 100
64 57.8 46.8 70.2
63 29.2 23.8 35.8





#7
Phenol-d6
Concen: 87.387 ng
RT: 6.369 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133195.D
Acq: 02 May 2023 18:22

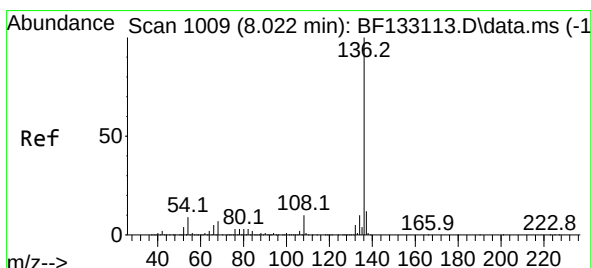
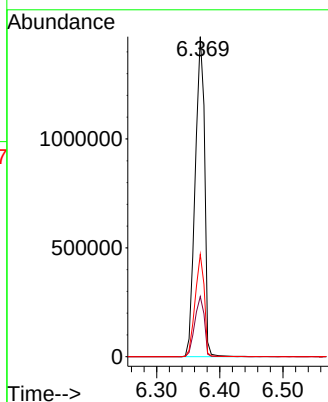
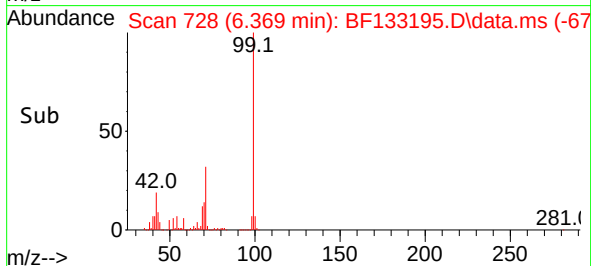
Instrument :
BNA_F
ClientSampleId :
RT2343



Tgt Ion: 99 Resp: 151815
Ion Ratio Lower Upper
99 100
42 18.8 16.3 24.5
71 32.0 25.6 38.4

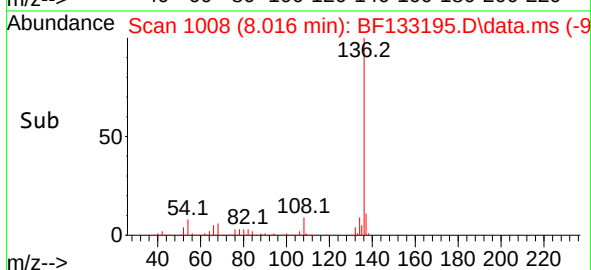
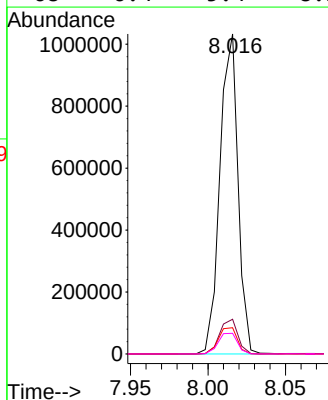
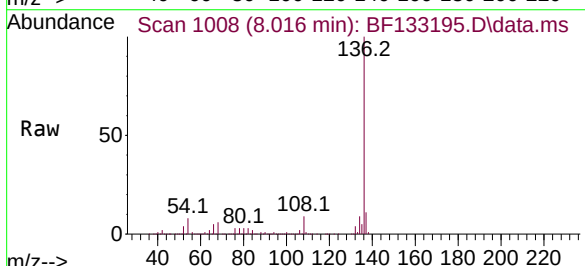
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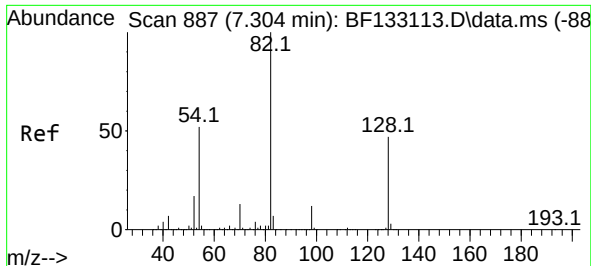
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF133195.D
Acq: 02 May 2023 18:22

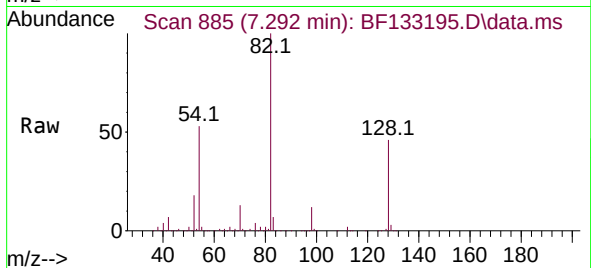
Tgt Ion:136 Resp: 837696
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.2 7.0 10.4
68 6.4 5.4 8.2





#23
Nitrobenzene-d5
Concen: 57.985 ng
RT: 7.292 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF133195.D
Acq: 02 May 2023 18:22

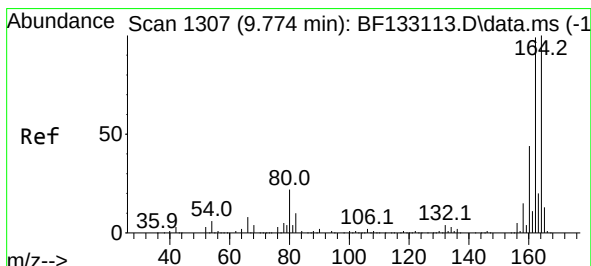
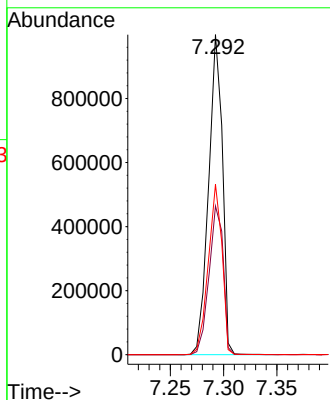
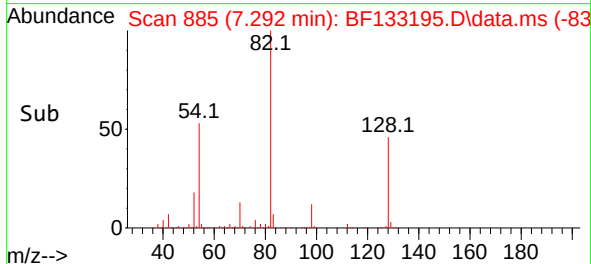
Instrument :
BNA_F
ClientSampleId :
RT2343



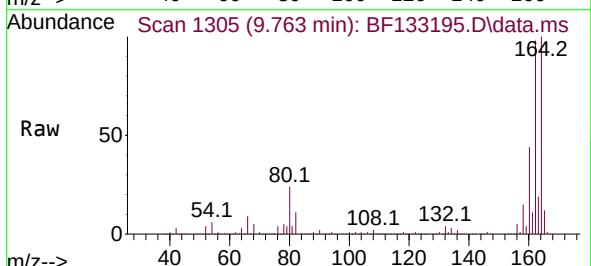
Tgt Ion: 82 Resp: 899908
Ion Ratio Lower Upper
82 100
128 46.5 37.7 56.5
54 53.2 43.0 64.4

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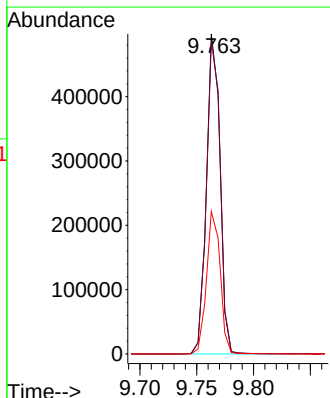
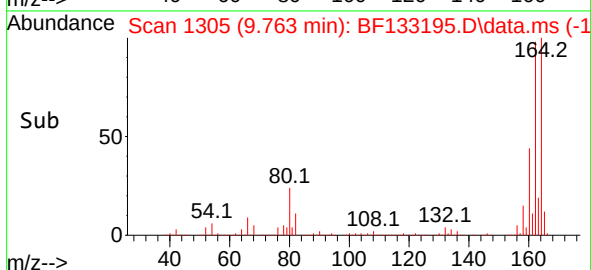
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023

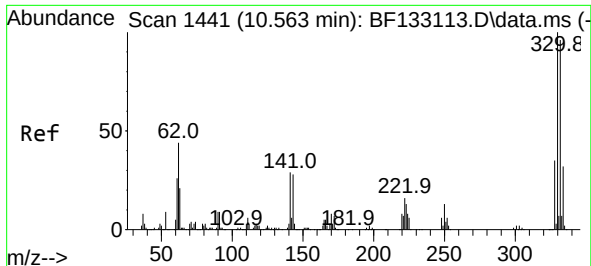


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF133195.D
Acq: 02 May 2023 18:22



Tgt Ion:164 Resp: 410911
Ion Ratio Lower Upper
164 100
162 97.7 78.7 118.1
160 44.5 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 82.598 ng
RT: 10.557 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF133195.D
Acq: 02 May 2023 18:22

Instrument :

BNA_F

ClientSampleId :

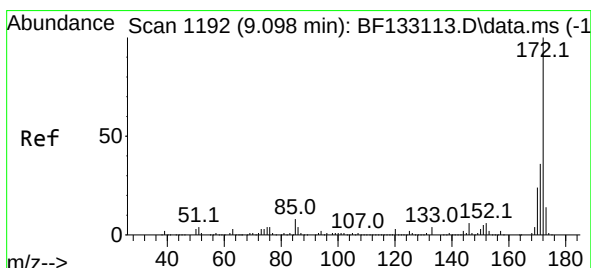
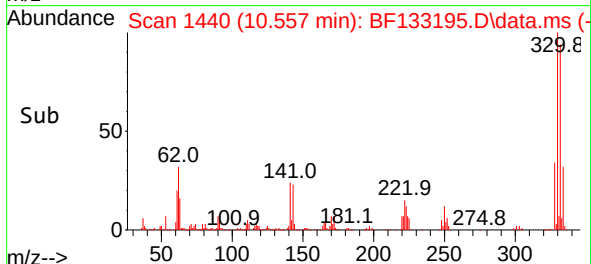
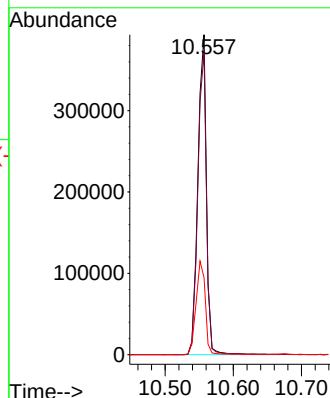
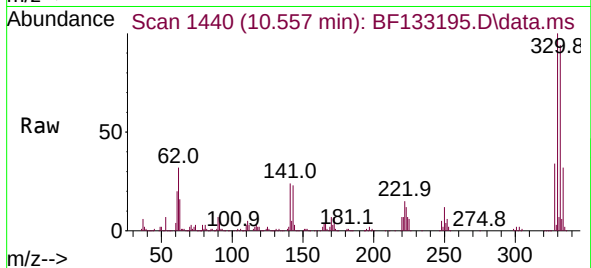
RT2343

Tgt Ion:330 Resp: 34133
Ion Ratio Lower Upper
330 100
332 95.0 77.1 115.7
141 31.7 25.8 38.8

Manual Integrations

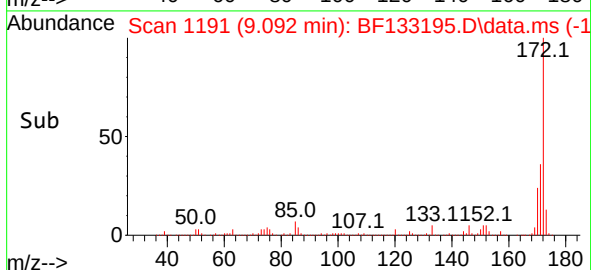
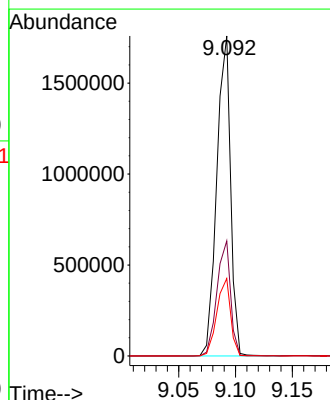
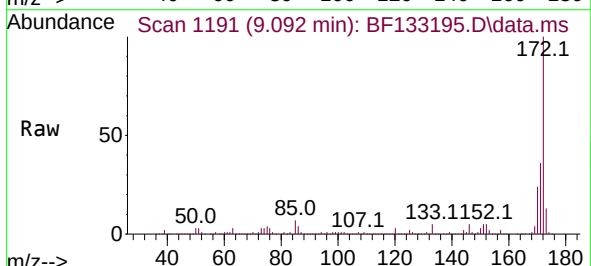
APPROVED

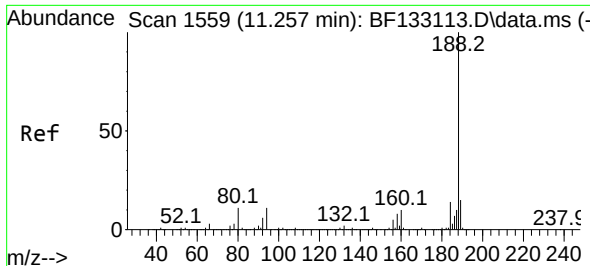
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#45
2-Fluorobiphenyl
Concen: 60.530 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF133195.D
Acq: 02 May 2023 18:22

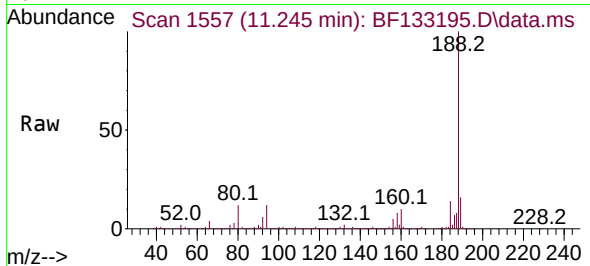
Tgt Ion:172 Resp: 1486699
Ion Ratio Lower Upper
172 100
171 35.9 28.8 43.2
170 24.2 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.245 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133195.D
Acq: 02 May 2023 18:22

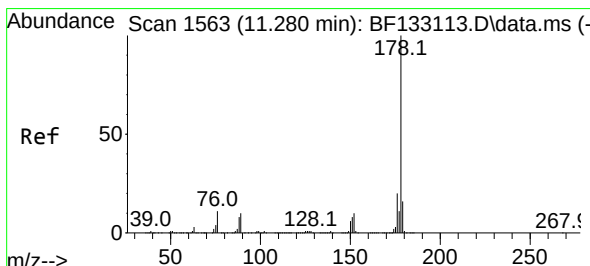
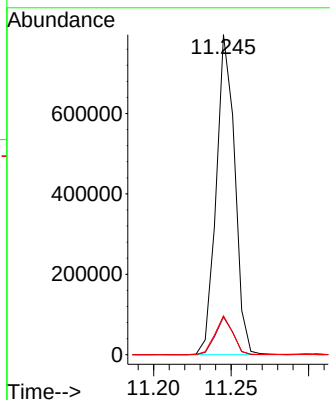
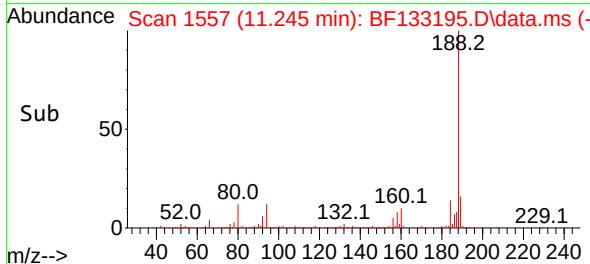
Instrument :
BNA_F
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RT2343



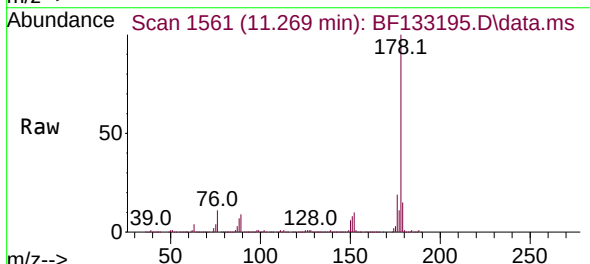
Tgt Ion:188 Resp: 66043
Ion Ratio Lower Upper
188 100
94 11.8 9.7 14.5
80 12.1 10.4 15.6

Manual Integrations
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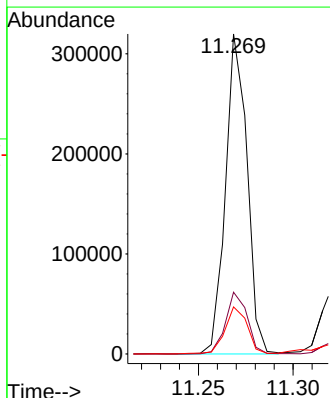
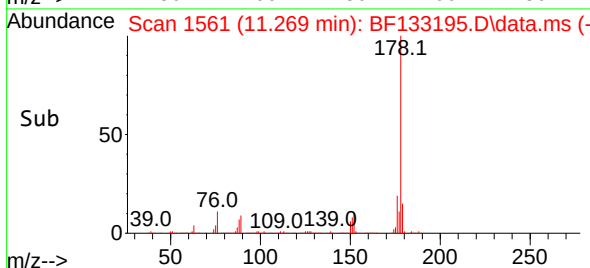
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023

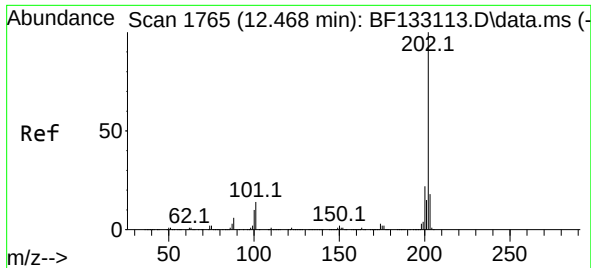


#71
Phenanthrene
Concen: 7.131 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.012 min
Lab File: BF133195.D
Acq: 02 May 2023 18:22



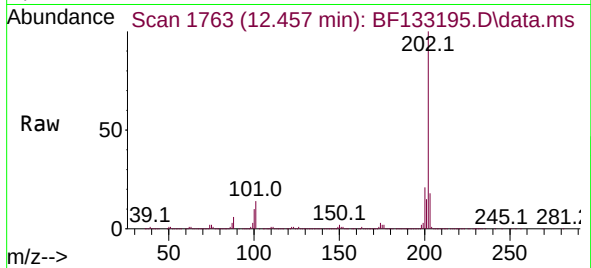
Tgt Ion:178 Resp: 253114
Ion Ratio Lower Upper
178 100
176 19.3 15.9 23.9
179 14.7 12.5 18.7





#75
Fluoranthene
Concen: 12.870 ng
RT: 12.457 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133195.D
Acq: 02 May 2023 18:22

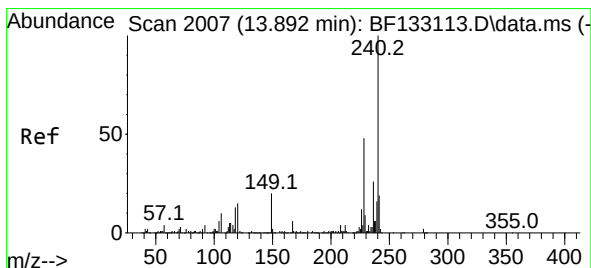
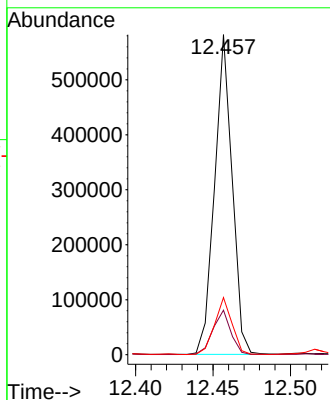
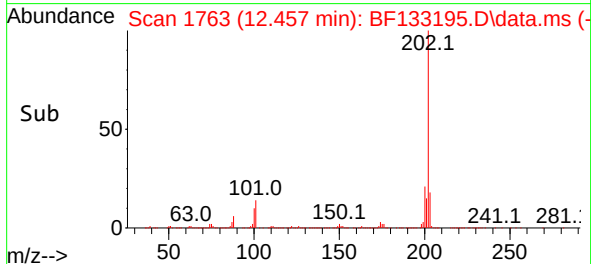
Instrument :
BNA_F
ClientSampleId :
RT2343



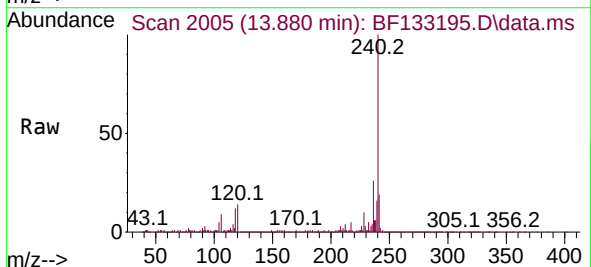
Tgt Ion:202 Resp: 45849
Ion Ratio Lower Upper
202 100
101 13.9 0.0 35.3
203 17.8 0.0 38.1

Manual Integrations
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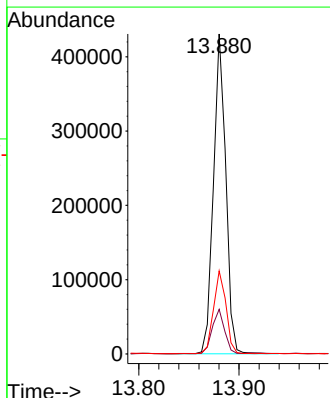
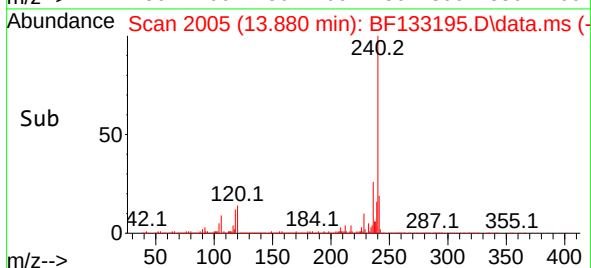
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023

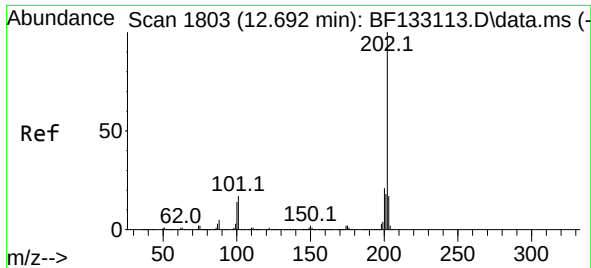


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.880 min Scan# 2005
Delta R.T. -0.012 min
Lab File: BF133195.D
Acq: 02 May 2023 18:22



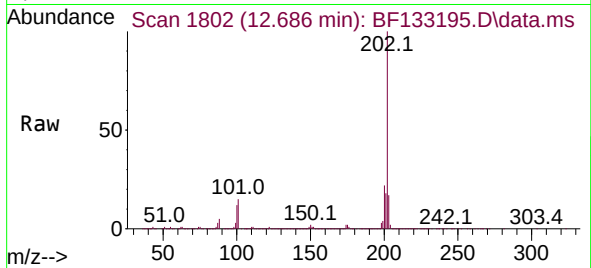
Tgt Ion:240 Resp: 366042
Ion Ratio Lower Upper
240 100
120 13.9 10.5 15.7
236 25.9 21.5 32.3





#78
Pyrene
Concen: 13.206 ng
RT: 12.686 min Scan# 1803
Delta R.T. -0.006 min
Lab File: BF133195.D
Acq: 02 May 2023 18:22

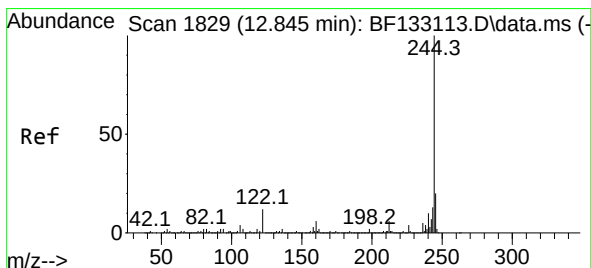
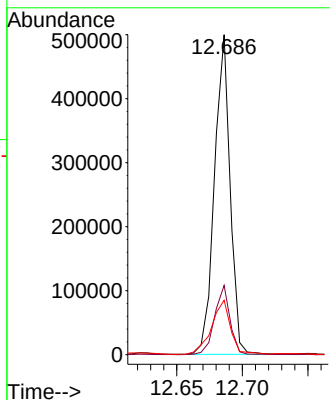
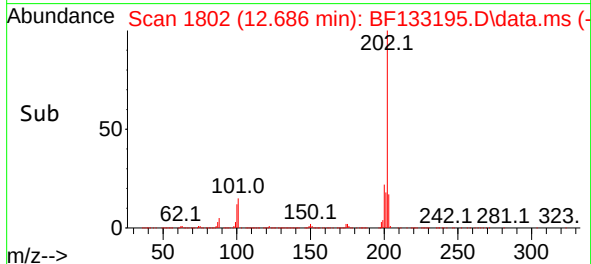
Instrument :
BNA_F
ClientSampleId :
RT2343



Tgt Ion:202 Resp: 414389
Ion Ratio Lower Upper
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203 17.0 14.1 21.1

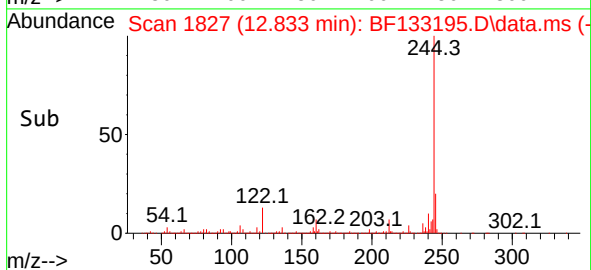
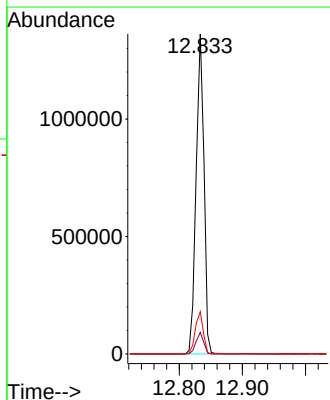
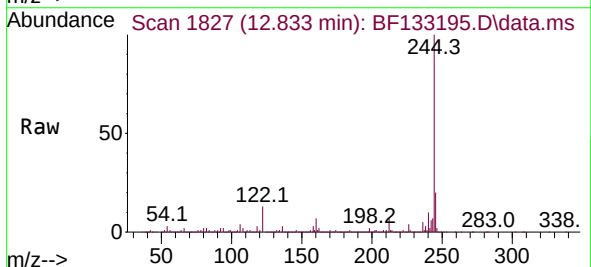
Manual Integrations
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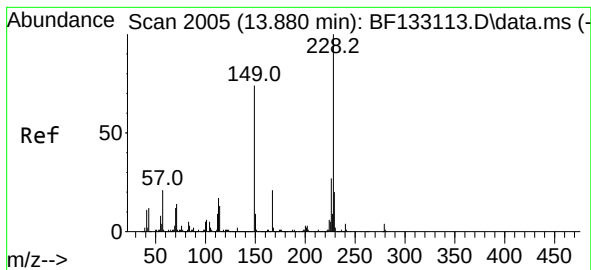
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#79
Terphenyl-d14
Concen: 55.382 ng
RT: 12.833 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF133195.D
Acq: 02 May 2023 18:22

Tgt Ion:244 Resp: 1175416
Ion Ratio Lower Upper
244 100
212 6.7 5.1 7.7
122 13.2 8.6 13.0#





#81

Benzo(a)anthracene

Concen: 6.876 ng

RT: 13.868 min Scan# 2003

Delta R.T. -0.012 min

Lab File: BF133195.D

Acq: 02 May 2023 18:22

Instrument :

BNA_F

ClientSampleId :

RT2343

Tgt Ion:228 Resp: 173070

Ion Ratio Lower Upper

228 100

226 30.3 22.2 33.4

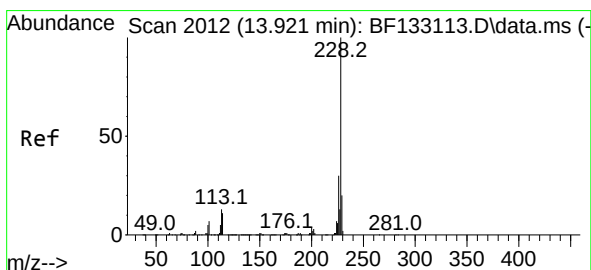
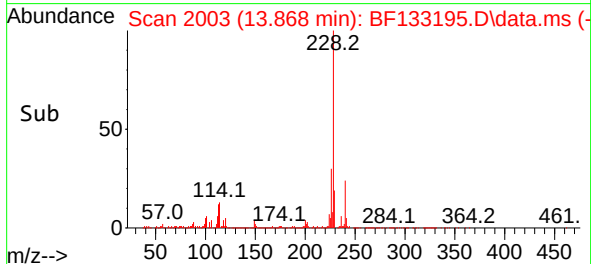
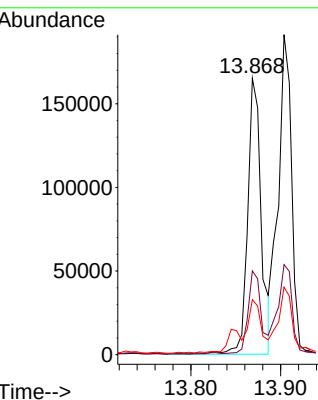
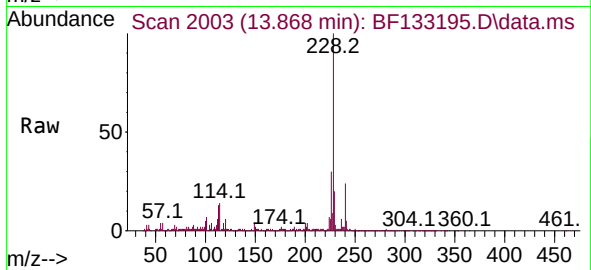
229 19.9 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/03/2023

Supervised By :Jagrut Upadhyay 05/03/2023



#83

Chrysene

Concen: 7.875 ng

RT: 13.904 min Scan# 2009

Delta R.T. -0.018 min

Lab File: BF133195.D

Acq: 02 May 2023 18:22

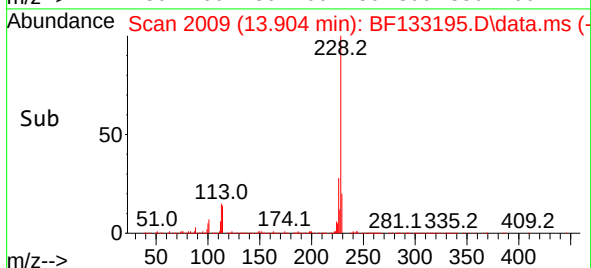
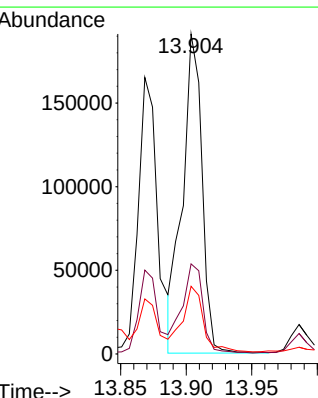
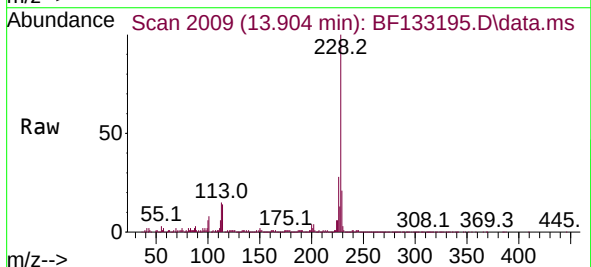
Tgt Ion:228 Resp: 198182

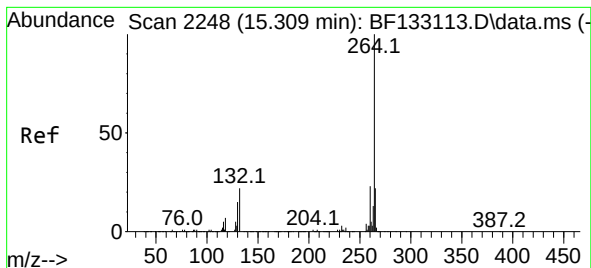
Ion Ratio Lower Upper

228 100

226 28.2 24.7 37.1

229 21.1 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.304 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133195.D

Acq: 02 May 2023 18:22

Instrument :

BNA_F

ClientSampleId :

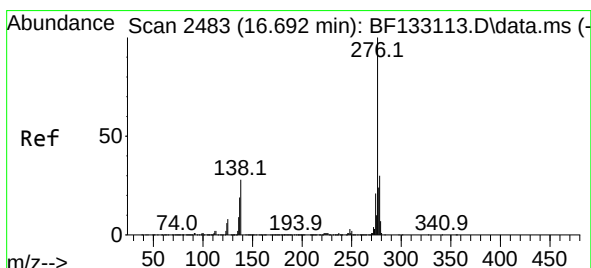
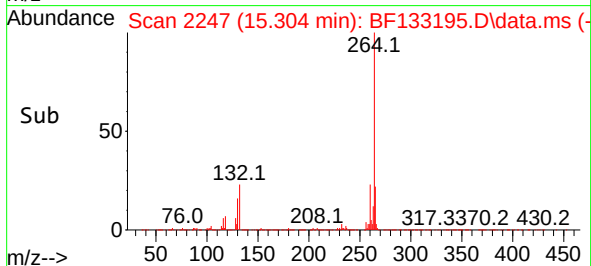
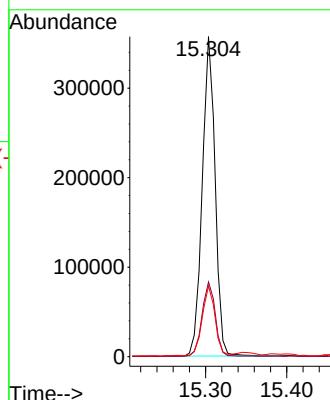
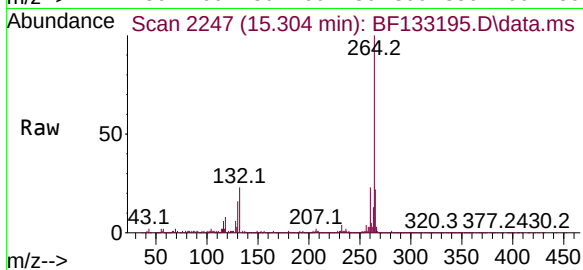
RT2343

Tgt Ion:	264	Resp:	39202
Ion Ratio	Lower	Upper	
264	100		
260	23.3	18.8	28.2
265	22.1	17.0	25.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.181 ng

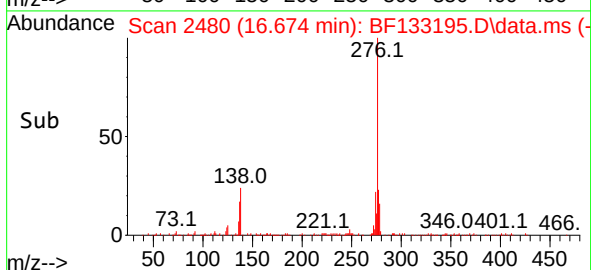
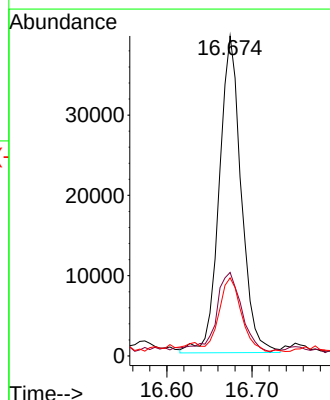
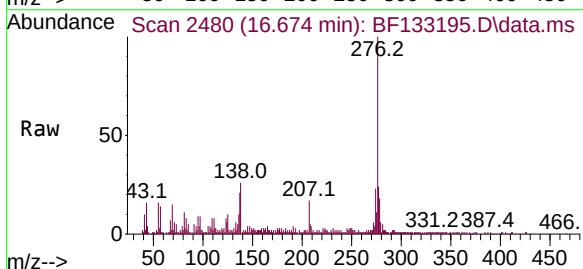
RT: 16.674 min Scan# 2480

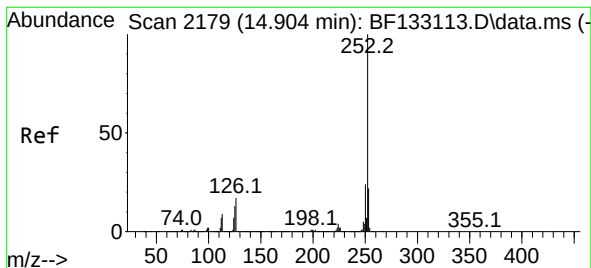
Delta R.T. -0.018 min

Lab File: BF133195.D

Acq: 02 May 2023 18:22

Tgt Ion:	276	Resp:	70933
Ion Ratio	Lower	Upper	
276	100		
138	29.8	25.5	38.3
277	22.8	20.4	30.6





#88

Benzo(b)fluoranthene

Concen: 10.315 ng m

RT: 14.898 min Scan# 2178

Delta R.T. -0.006 min

Lab File: BF133195.D

Acq: 02 May 2023 18:22

Instrument :

BNF

ClientSampleId :

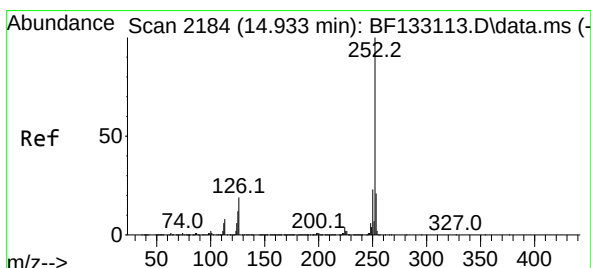
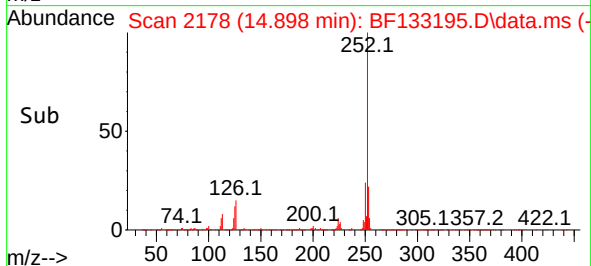
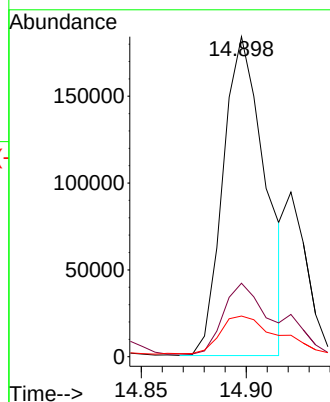
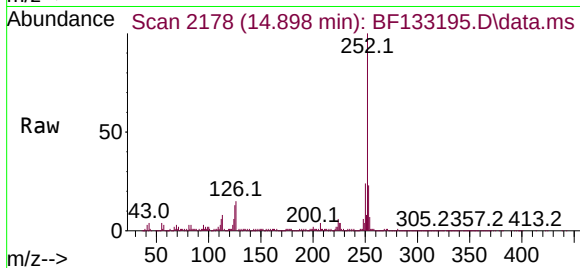
RT2343

Tgt Ion:252 Resp: 257252
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.6 26.4
 125 12.7 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/03/2023
 Supervised By :Jagrut Upadhyay 05/03/2023



#89

Benzo(k)fluoranthene

Concen: 2.757 ng m

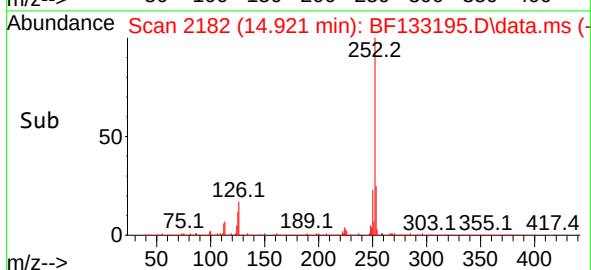
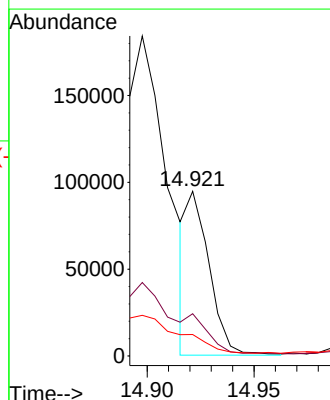
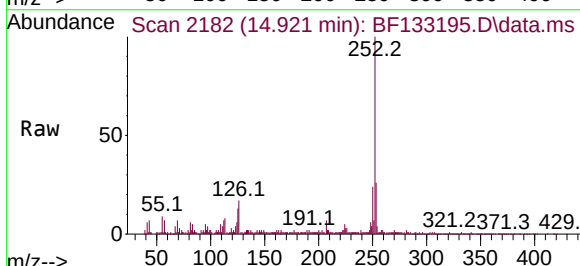
RT: 14.921 min Scan# 2182

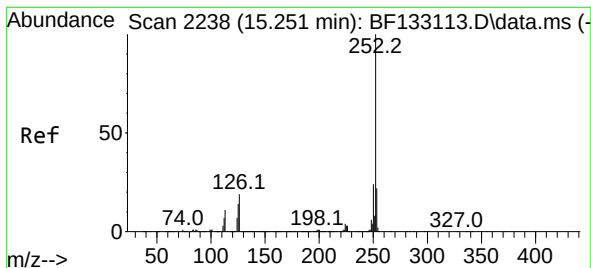
Delta R.T. -0.012 min

Lab File: BF133195.D

Acq: 02 May 2023 18:22

Tgt Ion:252 Resp: 68168
 Ion Ratio Lower Upper
 252 100
 253 25.7 17.7 26.5
 125 13.1 9.0 13.4





#90

Benzo(a)pyrene

Concen: 5.447 ng

RT: 15.239 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF133195.D

Acq: 02 May 2023 18:22

Instrument :

BNA_F

ClientSampleId :

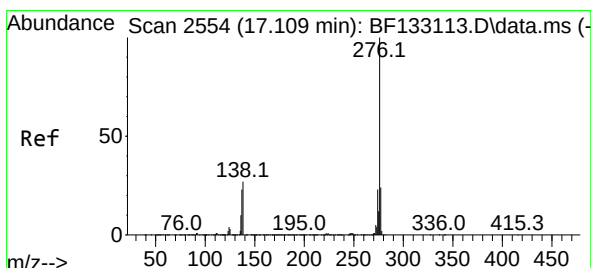
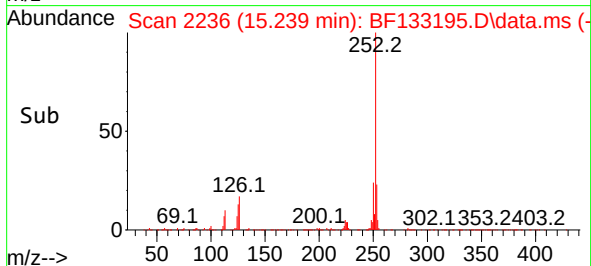
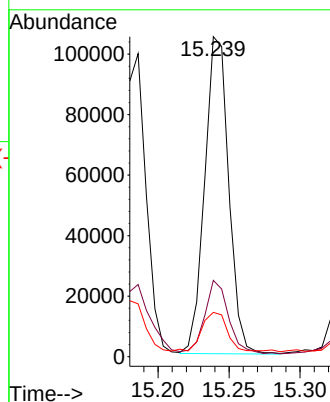
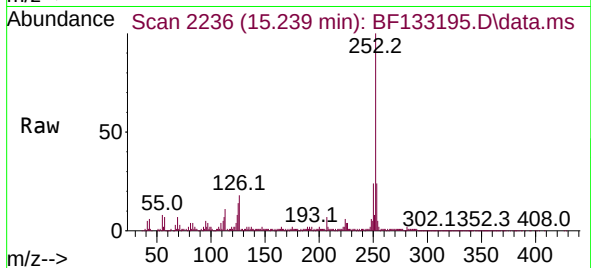
RT2343

Tgt Ion:	252	Resp:	12365
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.7	26.5
125	13.9	10.5	15.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#92

Benzo(g,h,i)perylene

Concen: 3.307 ng

RT: 17.086 min Scan# 2550

Delta R.T. -0.023 min

Lab File: BF133195.D

Acq: 02 May 2023 18:22

Tgt Ion:	276	Resp:	60728
Ion Ratio	Lower	Upper	
276	100		
277	24.2	19.4	29.0
138	31.1	22.7	34.1

