

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050323\
 Data File : BF133221.D
 Acq On : 03 May 2023 22:25
 Operator : CG\JU
 Sample : 02585-01 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-050223

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/04/2023
 Supervised By : Jagrut Upadhyay 05/04/2023

Quant Time: May 04 01:42:47 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 17:31:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	205603	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	823226	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	371092	20.000	ng	0.00
64) Phenanthrene-d10	11.245	188	551634	20.000	ng	0.00
76) Chrysene-d12	13.880	240	408794	20.000	ng	-0.01
86) Perylene-d12	15.304	264	318183	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	183923	13.513	ng	-0.01
7) Phenol-d6	6.357	99	238690	14.129	ng	-0.02
23) Nitrobenzene-d5	7.287	82	149348	9.792	ng	-0.01
42) 2,4,6-Tribromophenol	10.551	330	30229	8.100	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	285933	12.891	ng	0.00
79) Terphenyl-d14	12.827	244	249636	10.532	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.269	178	198214	6.685	ng	98
72) Anthracene	11.322	178	63641	2.097	ng	99
75) Fluoranthene	12.457	202	276790	9.302	ng	97
78) Pyrene	12.680	202	247447	7.061	ng	98
81) Benzo(a)anthracene	13.868	228	127393	4.532	ng	95
83) Chrysene	13.904	228	117158m	4.169	ng	
87) Indeno(1,2,3-cd)pyrene	16.680	276	41026	2.267	ng	94
88) Benzo(b)fluoranthene	14.898	252	125033m	6.177	ng	
90) Benzo(a)pyrene	15.245	252	82083	4.455	ng	# 91
92) Benzo(g,h,i)perylene	17.092	276	39965	2.682	ng	# 92

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

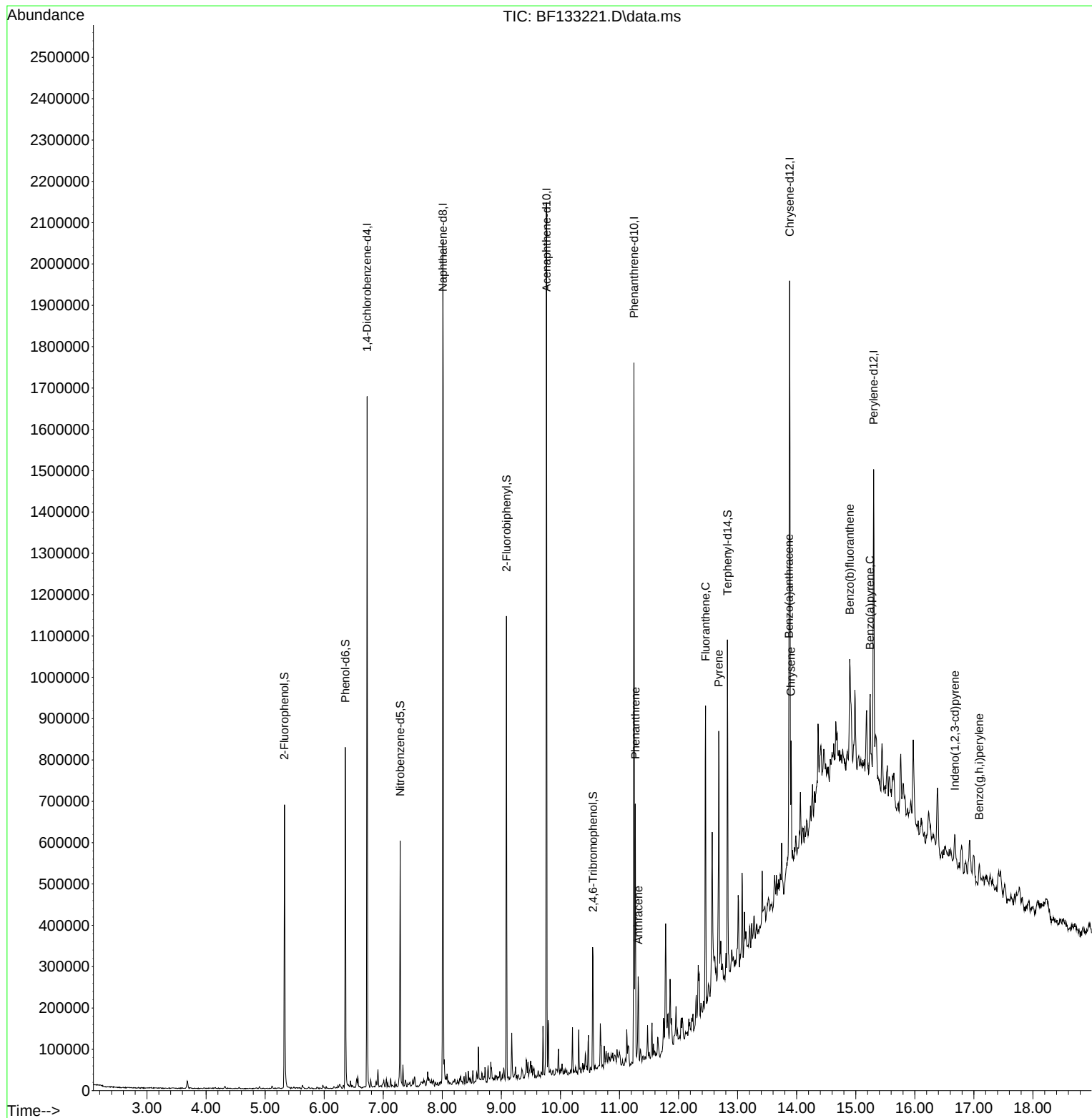
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050323\
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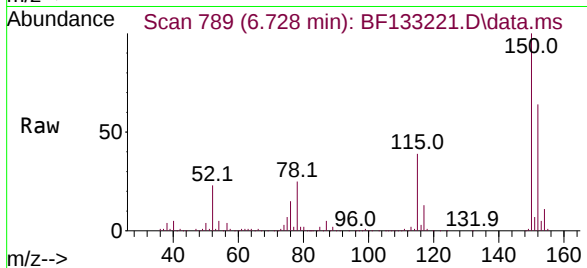
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF133221.D
Acq: 03 May 2023 22:25

Instrument :

BNA_F

ClientSampleId :

OK-01-050223

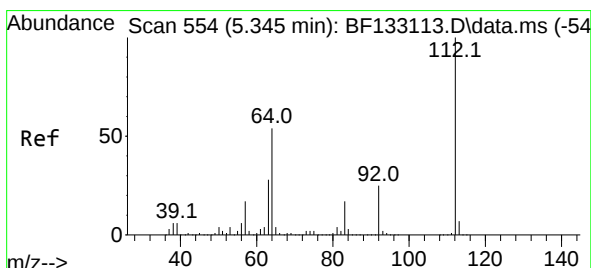
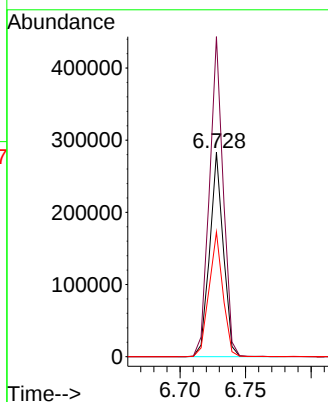
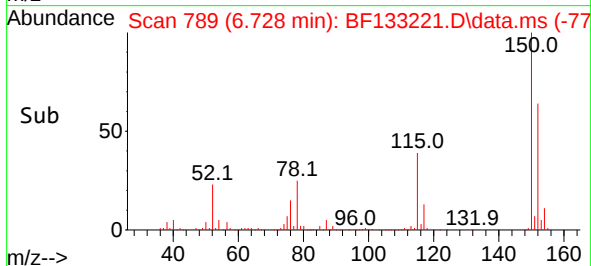


Tgt Ion:152 Resp: 20560
Ion Ratio Lower Upper
152 100
150 156.7 124.8 187.2
115 61.0 49.9 74.9

Manual Integrations

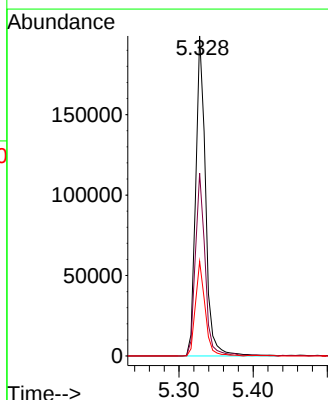
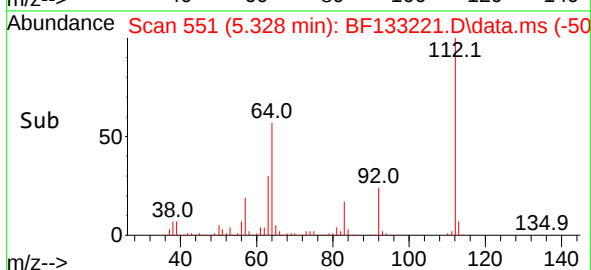
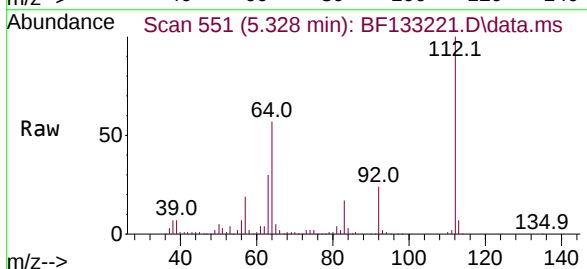
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Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#5
2-Fluorophenol
Concen: 13.513 ng
RT: 5.328 min Scan# 551
Delta R.T. -0.012 min
Lab File: BF133221.D
Acq: 03 May 2023 22:25

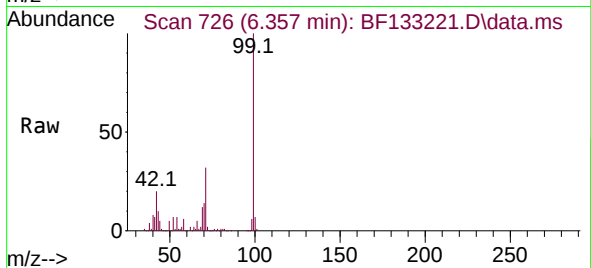
Tgt Ion:112 Resp: 183923
Ion Ratio Lower Upper
112 100
64 57.2 46.8 70.2
63 29.5 23.8 35.8





#7
Phenol-d6
Concen: 14.129 ng
RT: 6.357 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF133221.D
Acq: 03 May 2023 22:25

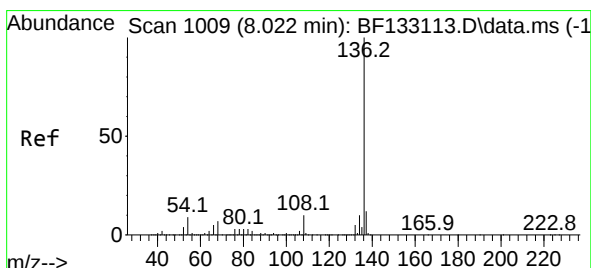
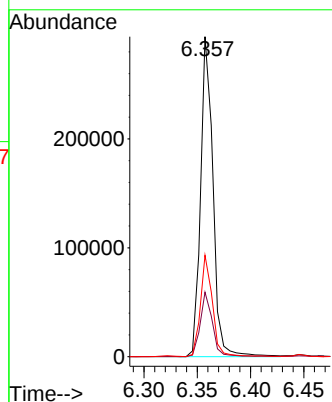
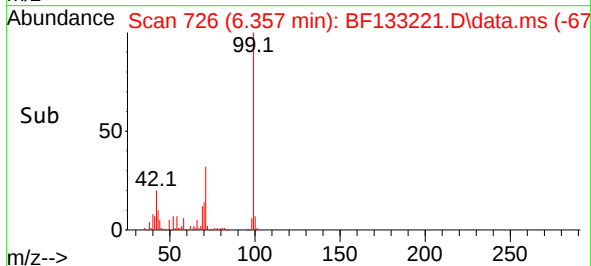
Instrument :
BNA_F
ClientSampleId :
OK-01-050223



Tgt Ion: 99 Resp: 238690
Ion Ratio Lower Upper
99 100
42 20.2 16.3 24.5
71 31.7 25.6 38.4

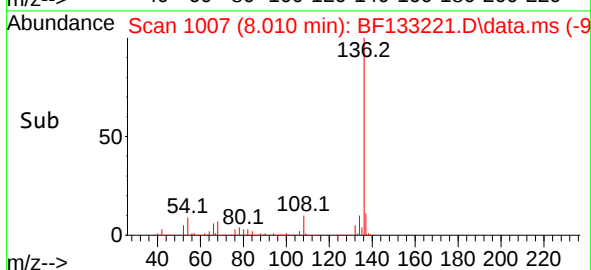
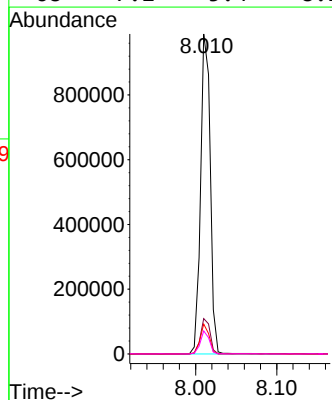
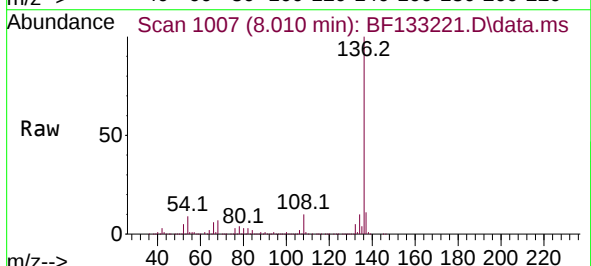
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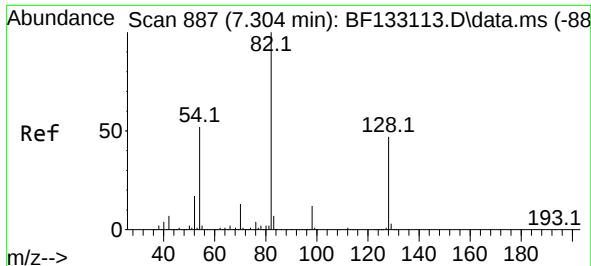
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BF133221.D
Acq: 03 May 2023 22:25

Tgt Ion:136 Resp: 823226
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 9.4 7.0 10.4
68 7.2 5.4 8.2





#23

Nitrobenzene-d5

Concen: 9.792 ng

RT: 7.287 min Scan# 80

Delta R.T. -0.012 min

Lab File: BF133221.D

Acq: 03 May 2023 22:25

Instrument :

BNA_F

ClientSampleId :

OK-01-050223

Tgt Ion: 82 Resp: 149348

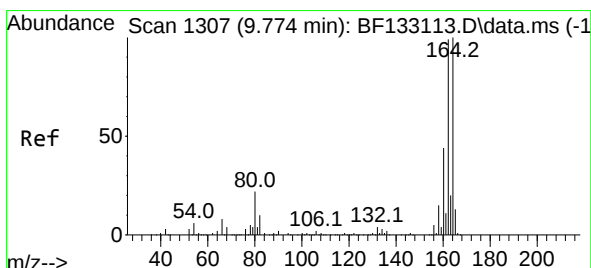
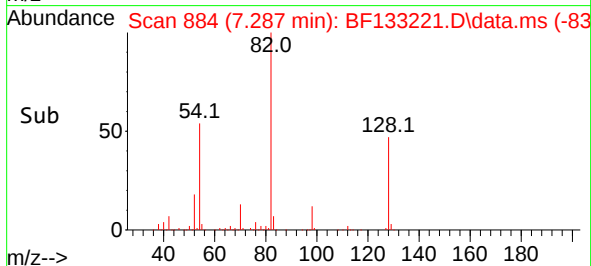
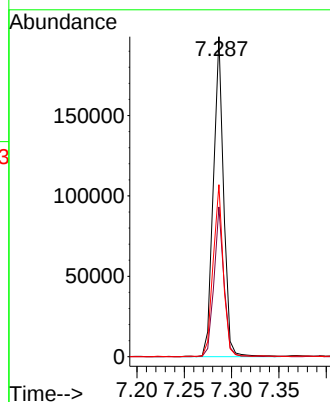
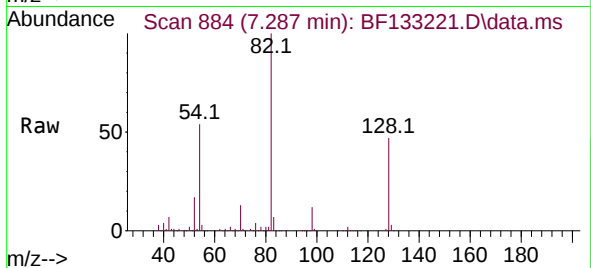
Ion	Ratio	Lower	Upper
82	100		
128	46.8	37.7	56.5
54	53.7	43.0	64.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/04/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.763 min Scan# 1305

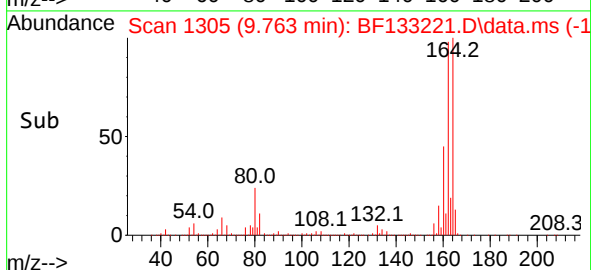
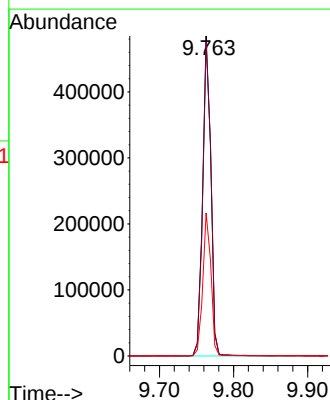
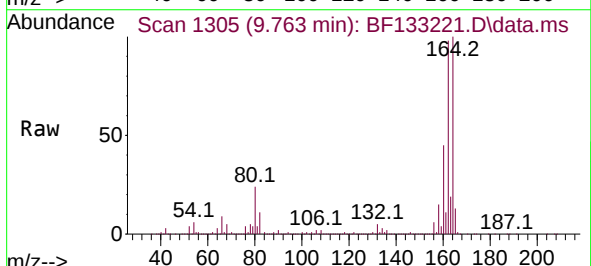
Delta R.T. -0.006 min

Lab File: BF133221.D

Acq: 03 May 2023 22:25

Tgt Ion:164 Resp: 371092

Ion	Ratio	Lower	Upper
164	100		
162	98.1	78.7	118.1
160	44.7	35.8	53.6





#42
2,4,6-Tribromophenol
Concen: 8.100 ng
RT: 10.551 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF133221.D
Acq: 03 May 2023 22:25

Instrument :

BNA_F

ClientSampleId :

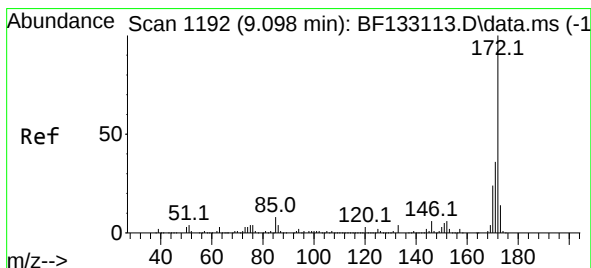
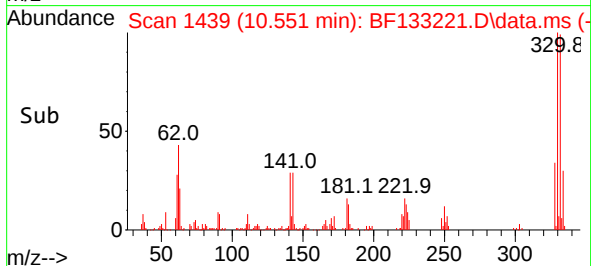
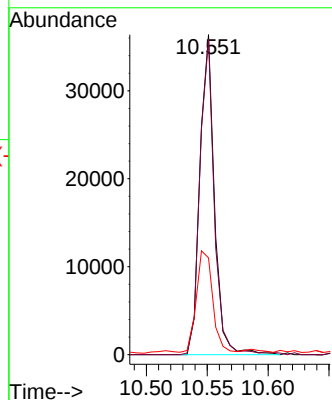
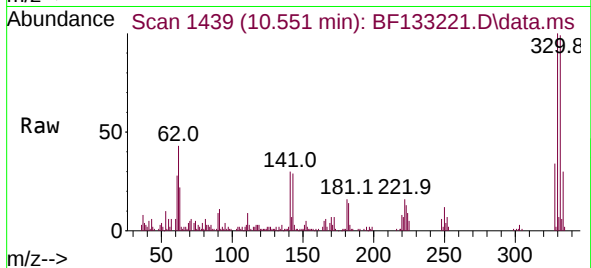
OK-01-050223

Tgt Ion:330 Resp: 30229
Ion Ratio Lower Upper
330 100
332 98.3 77.1 115.7
141 35.4 25.8 38.8

Manual Integrations

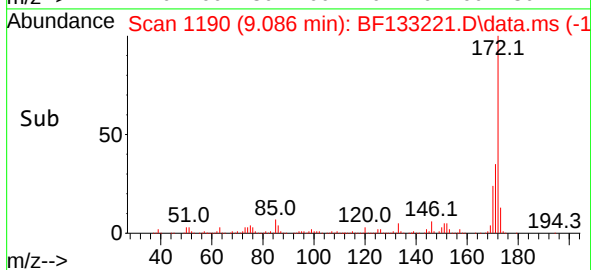
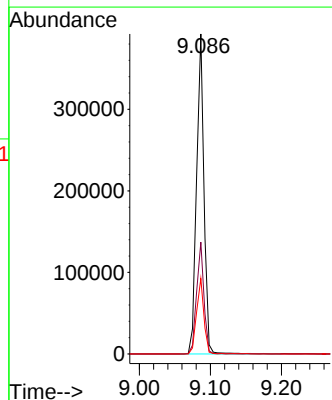
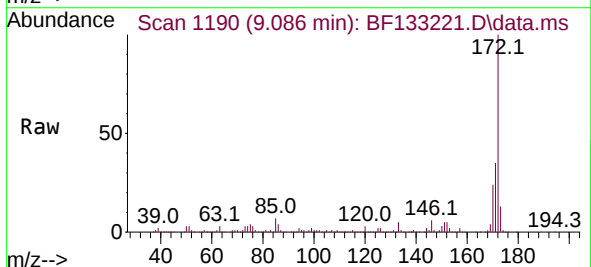
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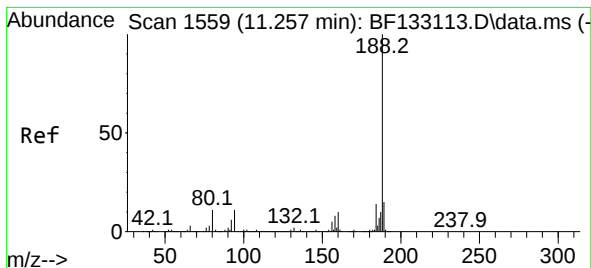
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#45
2-Fluorobiphenyl
Concen: 12.891 ng
RT: 9.086 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF133221.D
Acq: 03 May 2023 22:25

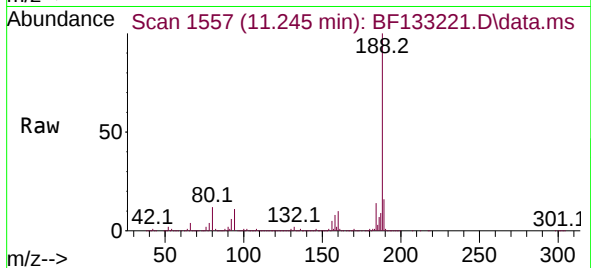
Tgt Ion:172 Resp: 285933
Ion Ratio Lower Upper
172 100
171 35.0 28.8 43.2
170 23.6 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.245 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133221.D
Acq: 03 May 2023 22:25

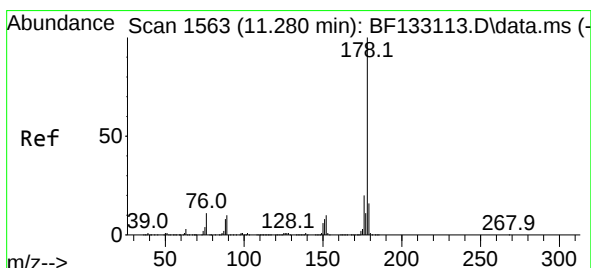
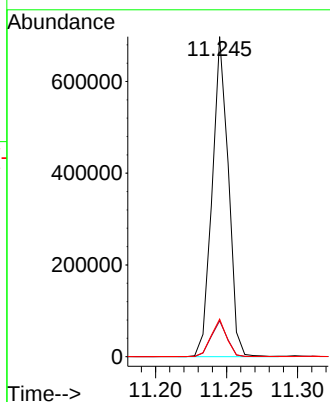
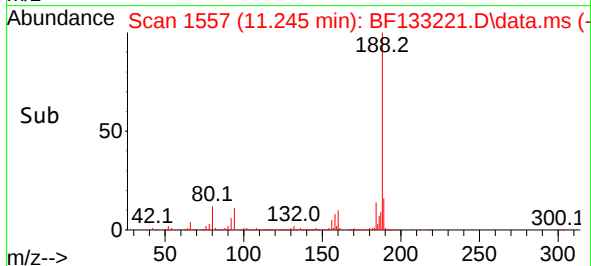
Instrument :
BNA_F
ClientSampleId :
OK-01-050223



Tgt Ion:188 Resp: 551634
Ion Ratio Lower Upper
188 100
94 11.2 9.7 14.5
80 11.7 10.4 15.6

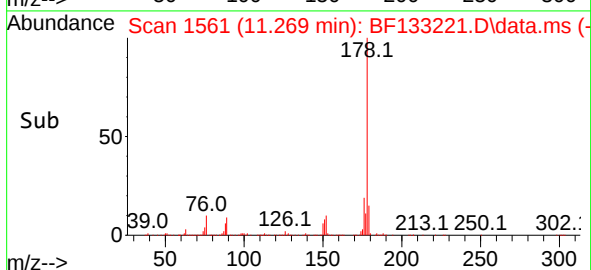
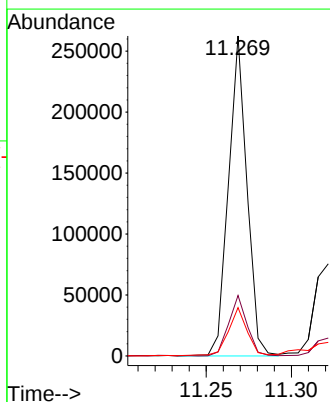
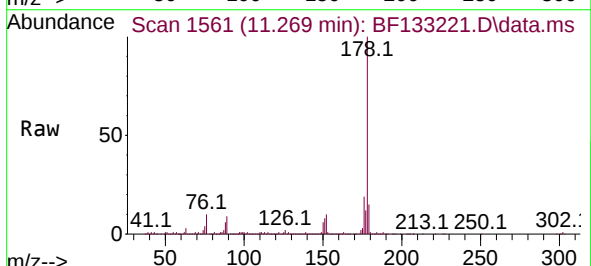
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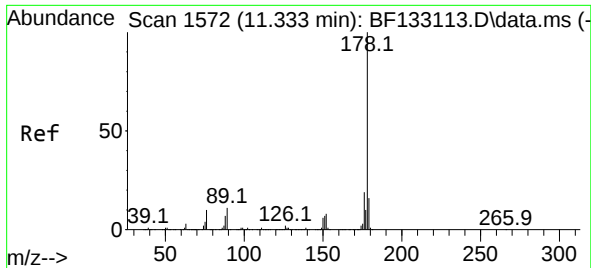
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#71
Phenanthrene
Concen: 6.685 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.006 min
Lab File: BF133221.D
Acq: 03 May 2023 22:25

Tgt Ion:178 Resp: 198214
Ion Ratio Lower Upper
178 100
176 18.9 15.9 23.9
179 15.1 12.5 18.7





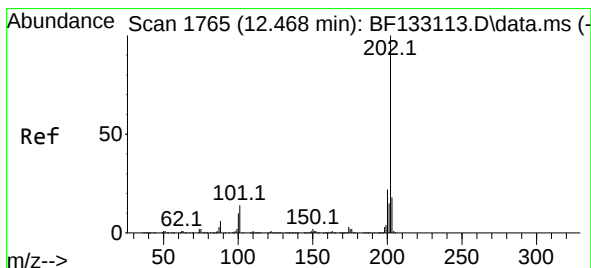
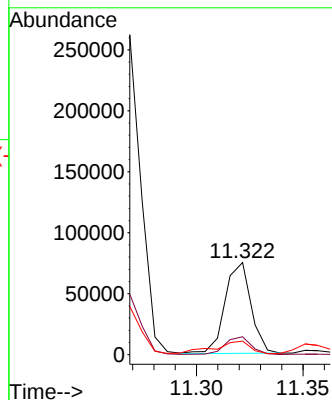
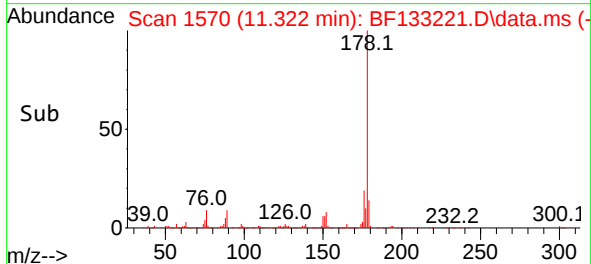
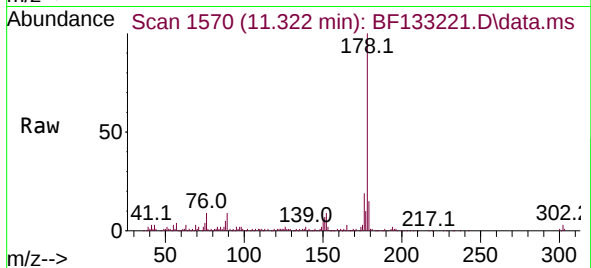
#72
 Anthracene
 Concen: 2.097 ng
 RT: 11.322 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF133221.D
 Acq: 03 May 2023 22:25

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-050223

Tgt Ion:178 Resp: 6364
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.4 23.0
 179 14.8 12.4 18.6

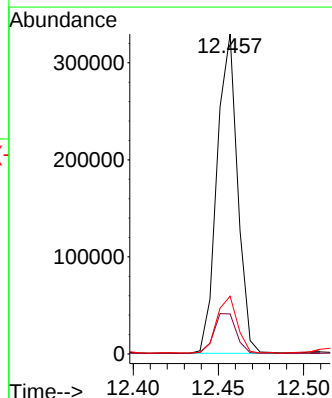
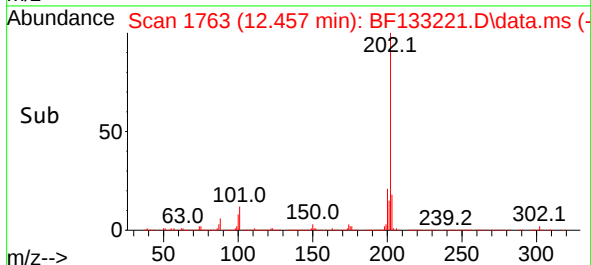
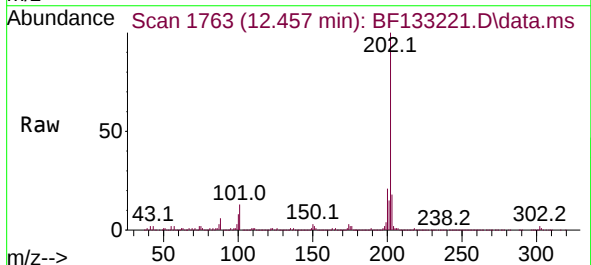
Manual Integrations
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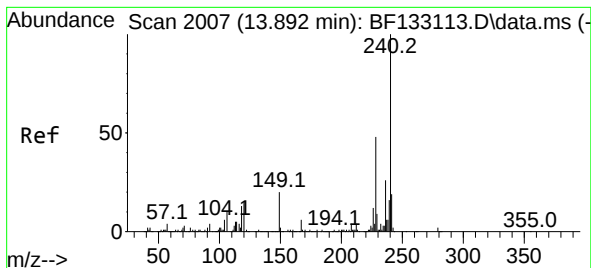
Reviewed By :Christian Giraldo 05/04/2023
 Supervised By :Jagrut Upadhyay 05/04/2023



#75
 Fluoranthene
 Concen: 9.302 ng
 RT: 12.457 min Scan# 1763
 Delta R.T. -0.006 min
 Lab File: BF133221.D
 Acq: 03 May 2023 22:25

Tgt Ion:202 Resp: 276790
 Ion Ratio Lower Upper
 202 100
 101 12.5 0.0 35.3
 203 18.0 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.880 min Scan# 2005

Delta R.T. -0.012 min

Lab File: BF133221.D

Acq: 03 May 2023 22:25

Instrument :

BNA_F

ClientSampleId :

OK-01-050223

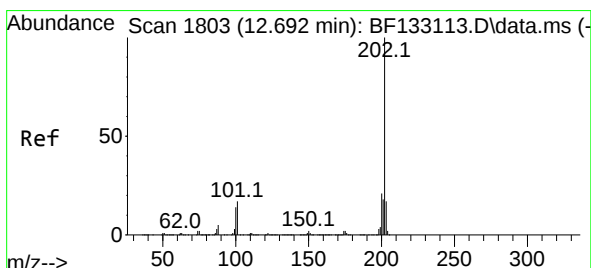
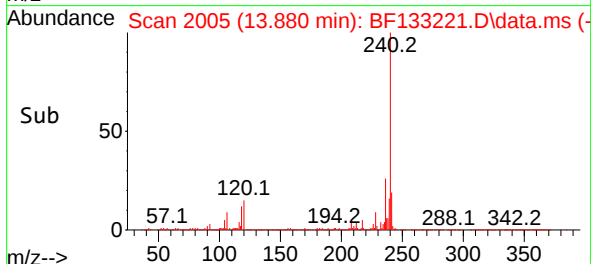
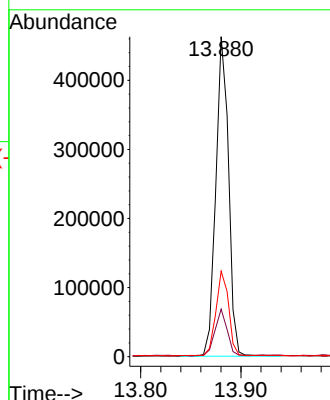
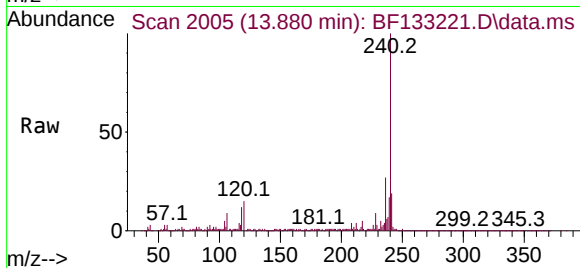
Tgt Ion:240 Resp: 408794
 Ion Ratio Lower Upper
 240 100
 120 14.9 10.5 15.7
 236 26.7 21.5 32.3

Manual Integrations

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Reviewed By :Christian Giraldo 05/04/2023

Supervised By :Jagrut Upadhyay 05/04/2023



#78

Pyrene

Concen: 7.061 ng

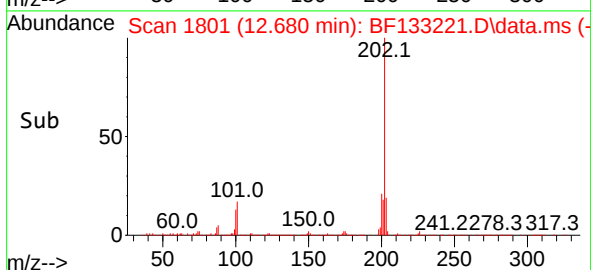
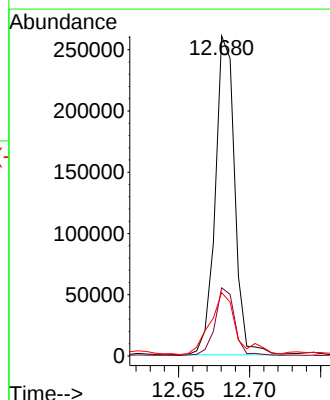
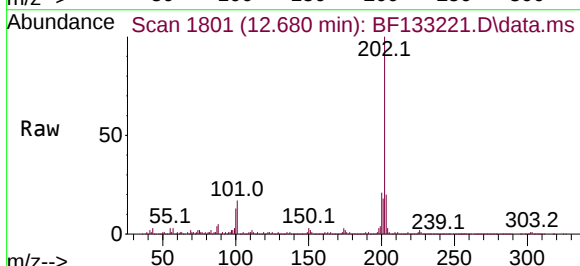
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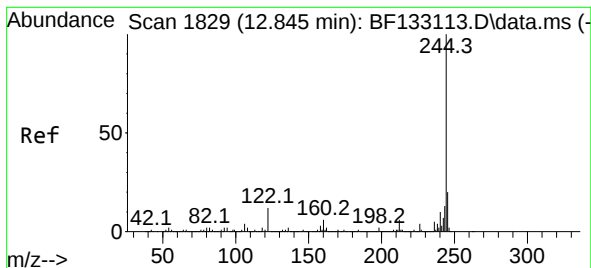
Delta R.T. -0.012 min

Lab File: BF133221.D

Acq: 03 May 2023 22:25

Tgt Ion:202 Resp: 247447
 Ion Ratio Lower Upper
 202 100
 200 21.3 17.1 25.7
 203 19.8 14.1 21.1





#79

Terphenyl-d14

Concen: 10.532 ng

RT: 12.827 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF133221.D

Acq: 03 May 2023 22:25

Instrument :

BNA_F

ClientSampleId :

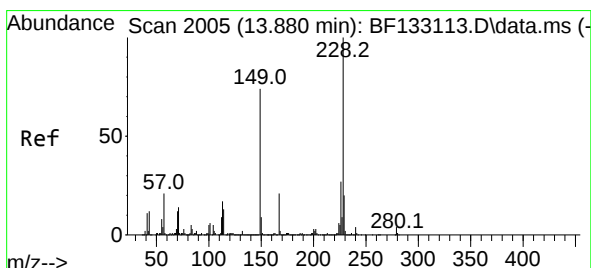
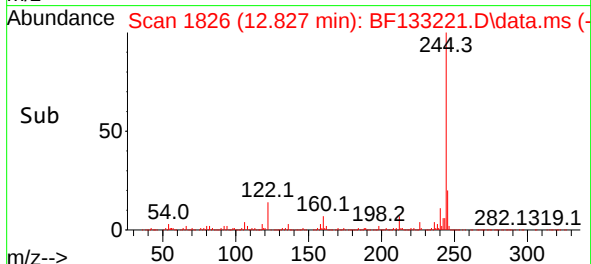
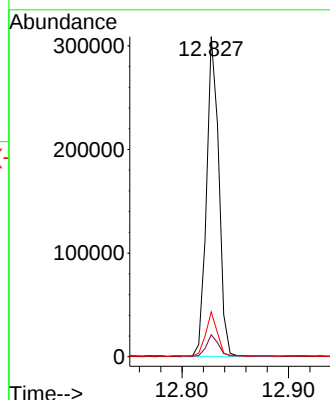
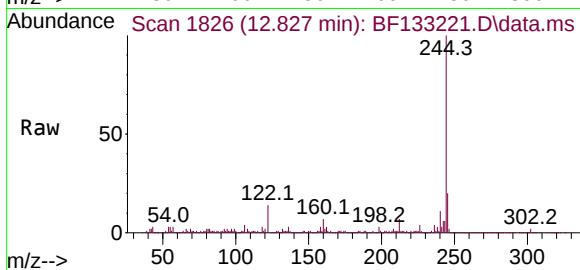
OK-01-050223

Tgt Ion:244 Resp: 249630
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.1 7.7
 122 14.0 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/04/2023
 Supervised By :Jagrut Upadhyay 05/04/2023



#81

Benzo(a)anthracene

Concen: 4.532 ng

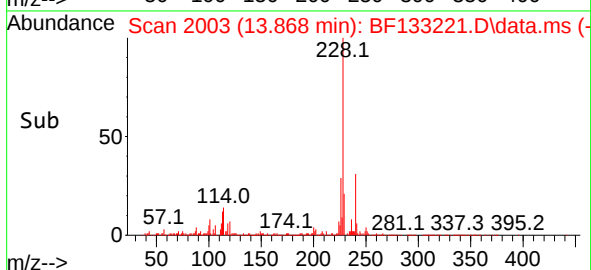
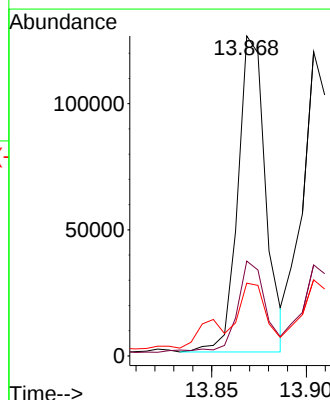
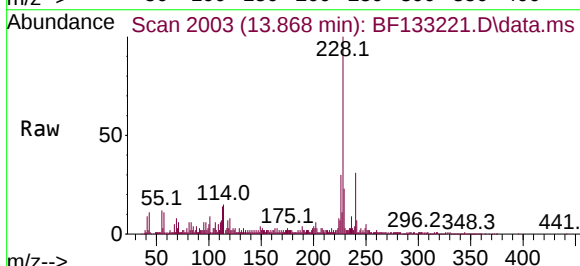
RT: 13.868 min Scan# 2003

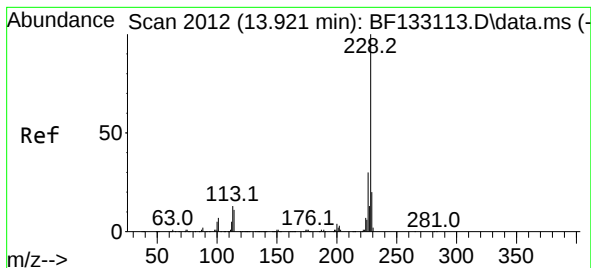
Delta R.T. -0.012 min

Lab File: BF133221.D

Acq: 03 May 2023 22:25

Tgt Ion:228 Resp: 127393
 Ion Ratio Lower Upper
 228 100
 226 29.7 22.2 33.4
 229 22.8 16.0 24.0





#83

Chrysene

Concen: 4.169 ng m

RT: 13.904 min Scan# 2012

Delta R.T. -0.012 min

Lab File: BF133221.D

Acq: 03 May 2023 22:25

Instrument :

BNA_F

ClientSampleId :

OK-01-050223

Tgt Ion:228 Resp: 117158

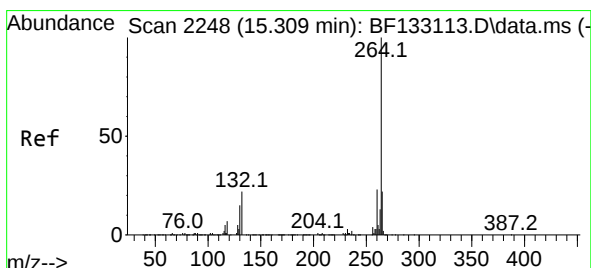
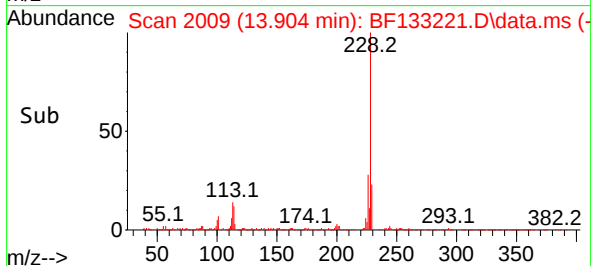
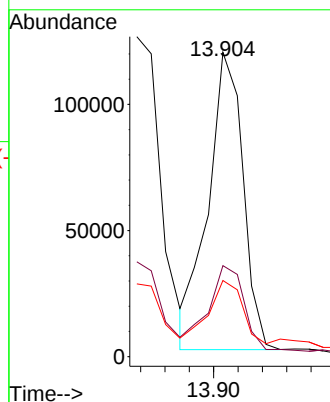
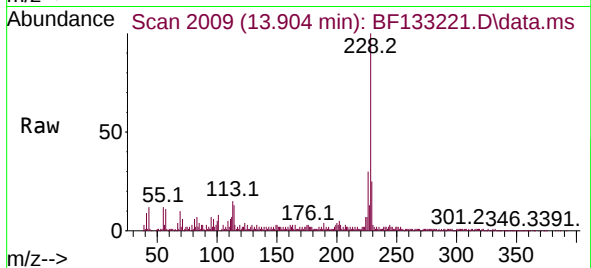
Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.7	37.1
229	25.0	16.1	24.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/04/2023

Supervised By :Jagrut Upadhyay 05/04/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.304 min Scan# 2247

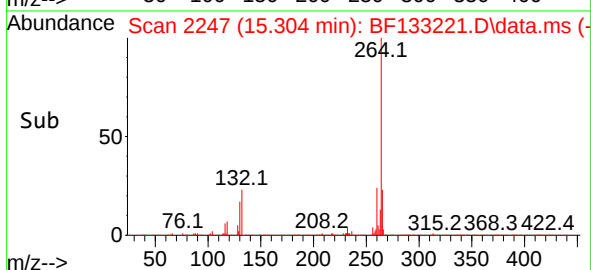
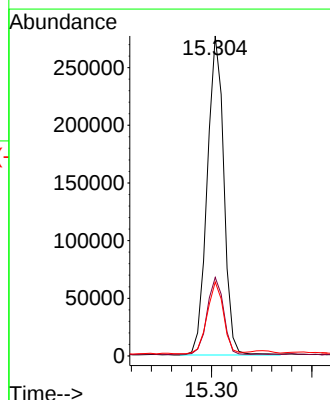
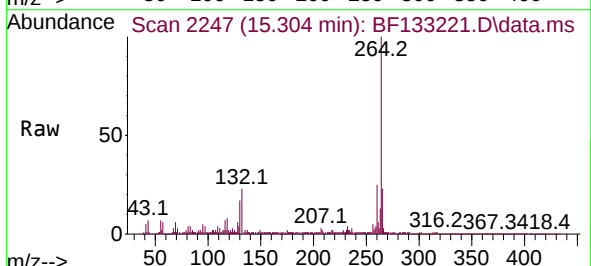
Delta R.T. -0.000 min

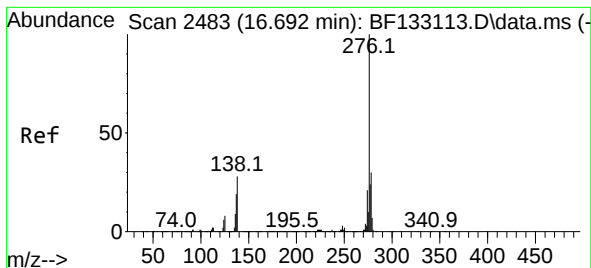
Lab File: BF133221.D

Acq: 03 May 2023 22:25

Tgt Ion:264 Resp: 318183

Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.8	28.2
265	23.1	17.0	25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.267 ng

RT: 16.680 min Scan# 2481

Delta R.T. -0.012 min

Lab File: BF133221.D

Acq: 03 May 2023 22:25

Instrument :

BNA_F

ClientSampleId :

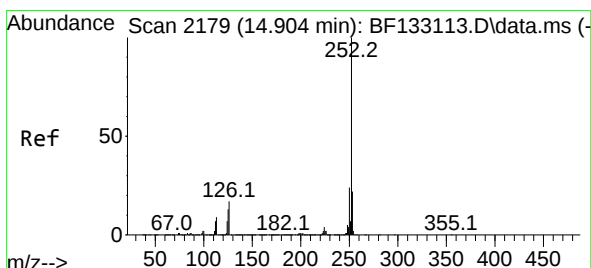
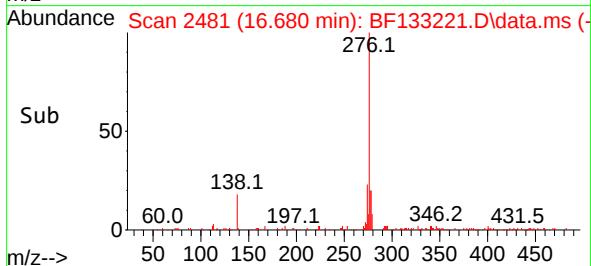
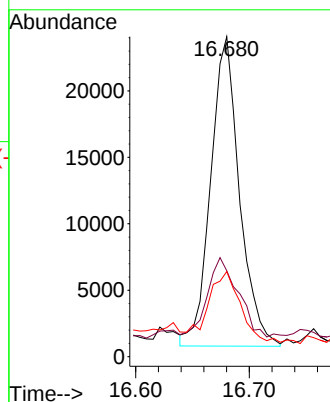
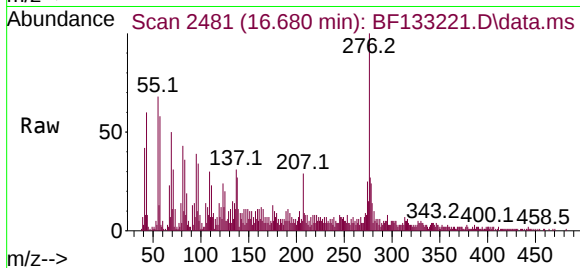
OK-01-050223

Tgt Ion:	276	Resp:	41020
Ion Ratio	Lower	Upper	
276	100		
138	26.9	25.5	38.3
277	24.9	20.4	30.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#88

Benzo(b)fluoranthene

Concen: 6.177 ng m

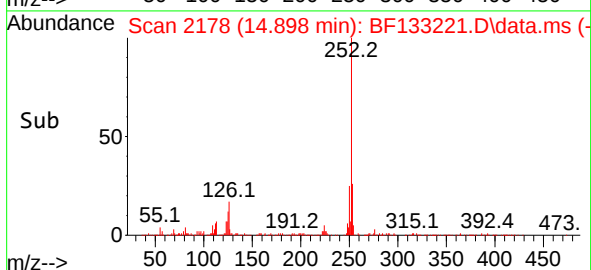
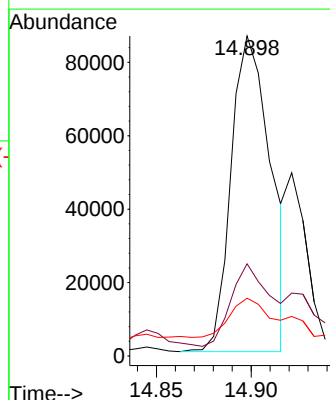
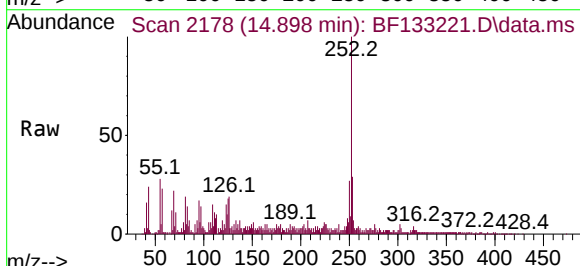
RT: 14.898 min Scan# 2178

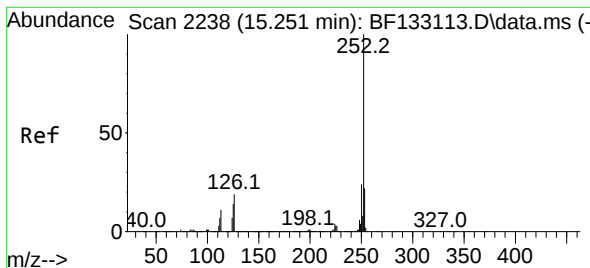
Delta R.T. -0.006 min

Lab File: BF133221.D

Acq: 03 May 2023 22:25

Tgt Ion:	252	Resp:	125033
Ion Ratio	Lower	Upper	
252	100		
253	28.8	17.6	26.4#
125	18.1	8.9	13.3#





#90

Benzo(a)pyrene

Concen: 4.455 ng

RT: 15.245 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133221.D

Acq: 03 May 2023 22:25

Instrument :

BNA_F

ClientSampleId :

OK-01-050223

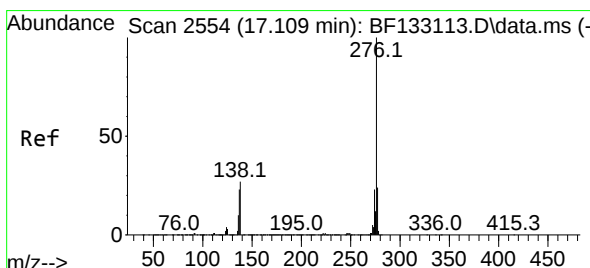
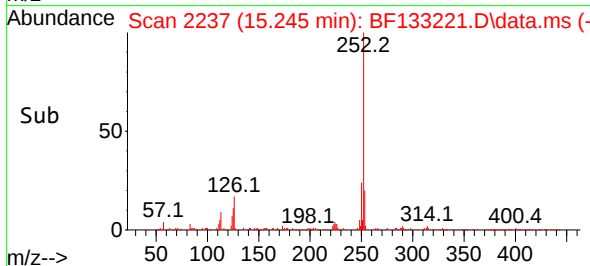
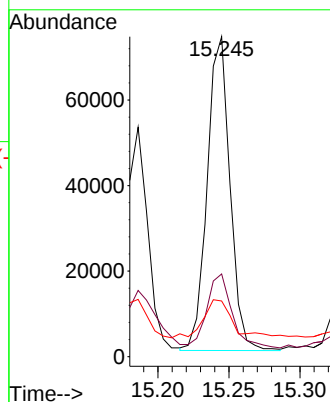
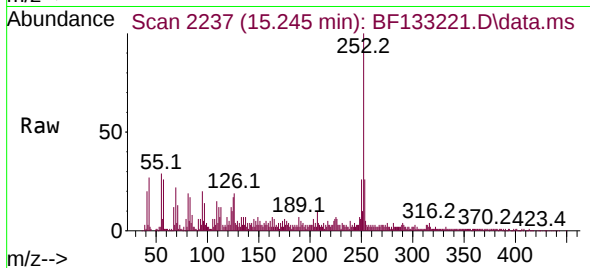
Tgt Ion:	252	Resp:	8208
Ion Ratio	Lower	Upper	
252	100		
253	25.8	17.7	26.5
125	17.4	10.5	15.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/04/2023

Supervised By :Jagrut Upadhyay 05/04/2023



#92

Benzo(g,h,i)perylene

Concen: 2.682 ng

RT: 17.092 min Scan# 2551

Delta R.T. -0.012 min

Lab File: BF133221.D

Acq: 03 May 2023 22:25

Tgt Ion:	276	Resp:	39965
Ion Ratio	Lower	Upper	
276	100		
277	30.3	19.4	29.0
138	30.5	22.7	34.1

