

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042423\
 Data File : BF133012.D
 Acq On : 24 Apr 2023 23:54
 Operator : CG\JU
 Sample : 02470-16
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-24-COMP

Manual Integrations
 APPROVED

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

Quant Time: Apr 25 02:15:40 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.745	152	196145	20.000	ng	0.00
21) Naphthalene-d8	8.028	136	792205	20.000	ng	-0.01
39) Acenaphthene-d10	9.780	164	406224	20.000	ng	-0.01
64) Phenanthrene-d10	11.263	188	721373	20.000	ng	0.00
76) Chrysene-d12	13.898	240	464351	20.000	ng	-0.01
86) Perylene-d12	15.321	264	440779	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	912527	70.278	ng	0.00
7) Phenol-d6	6.381	99	1149218	71.307	ng	0.00
23) Nitrobenzene-d5	7.304	82	695627	47.397	ng	-0.02
42) 2,4,6-Tribromophenol	10.569	330	275787	67.506	ng	-0.01
45) 2-Fluorobiphenyl	9.104	172	1283010	52.840	ng	-0.01
79) Terphenyl-d14	12.851	244	1466565	54.470	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.286	178	188524	4.862	ng	97
75) Fluoranthene	12.469	202	289183	7.432	ng	100
78) Pyrene	12.698	202	243467	6.116	ng	99
81) Benzo(a)anthracene	13.886	228	112686	3.529	ng	98
83) Chrysene	13.921	228	92334	2.892	ng	97
88) Benzo(b)fluoranthene	14.910	252	112135m	3.999	ng	
90) Benzo(a)pyrene	15.257	252	70509	2.762	ng	97
92) Benzo(g,h,i)perylene	17.109	276	47213	2.287	ng	97

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

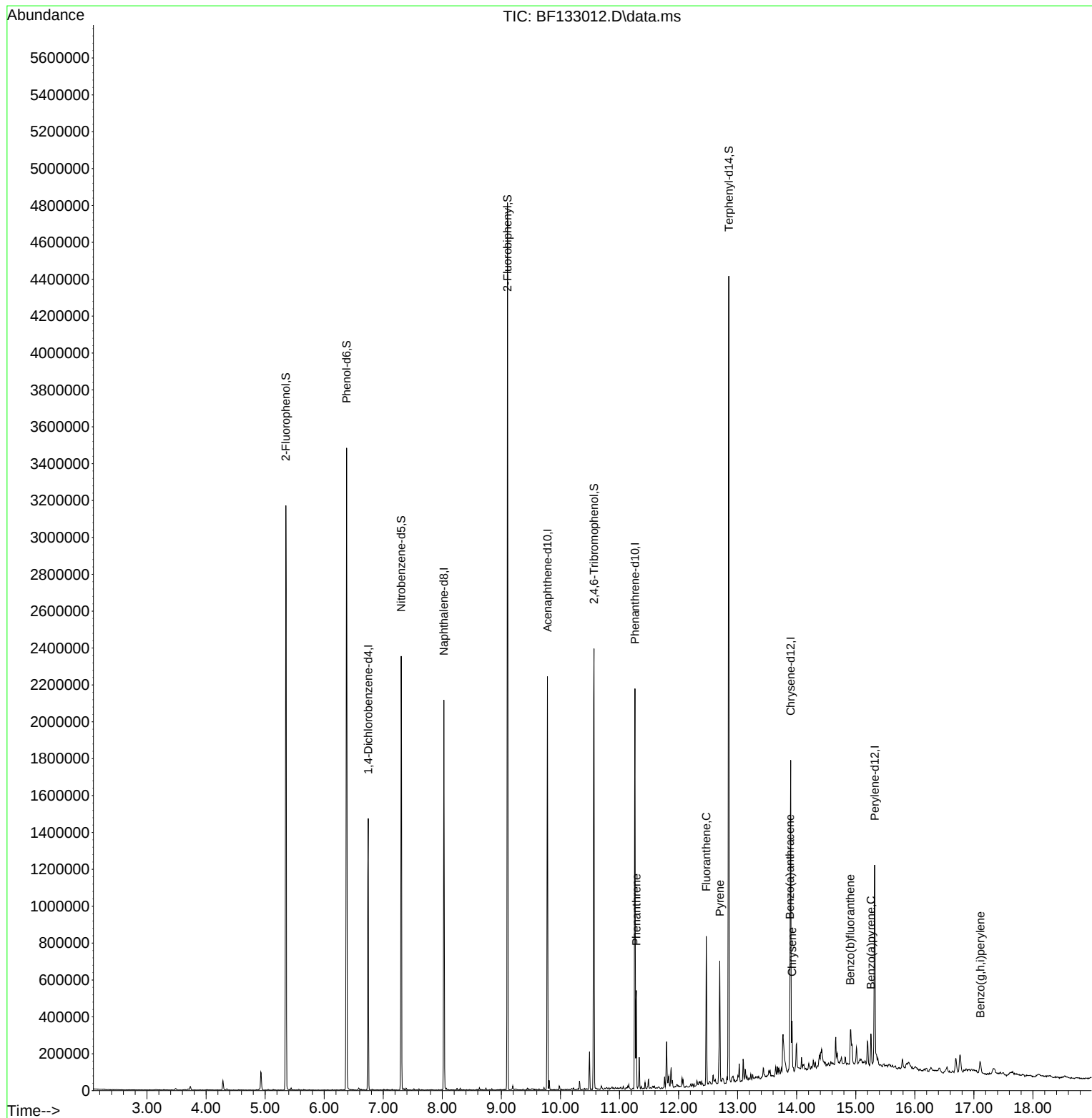
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042423\
Data File : BF133012.D
Acq On : 24 Apr 2023 23:54
Operator : CG\JU
Sample : 02470-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-24-COMP

Quant Time: Apr 25 02:15:40 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

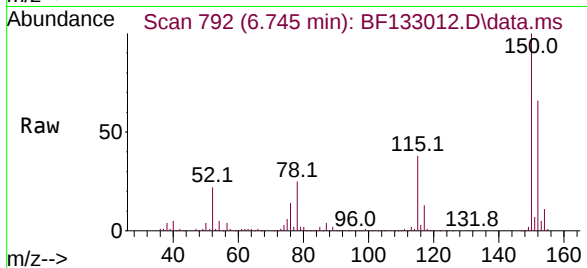
Reviewed By : Christian Giraldo 04/25/2023
Supervised By : Jagrut Upadhyay 04/25/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.745 min Scan# 793
Delta R.T. -0.006 min
Lab File: BF133012.D
Acq: 24 Apr 2023 23:54

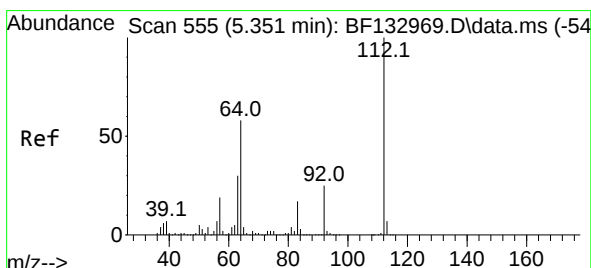
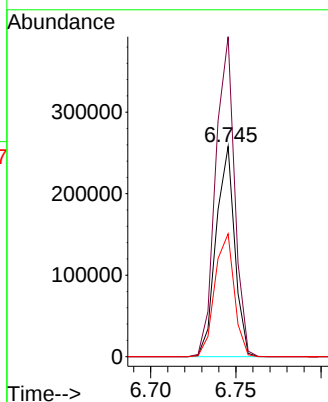
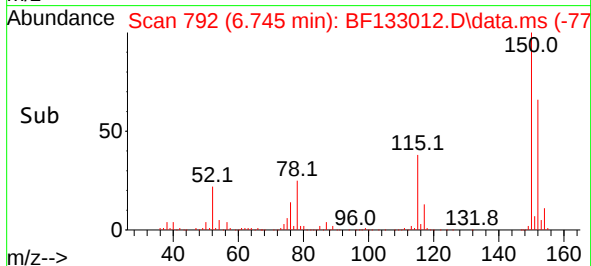
Instrument :
BNA_F
ClientSampleId :
SB-24-COMP



Tgt Ion:152 Resp: 196149
Ion Ratio Lower Upper
152 100
150 152.3 124.8 187.2
115 58.5 49.9 74.9

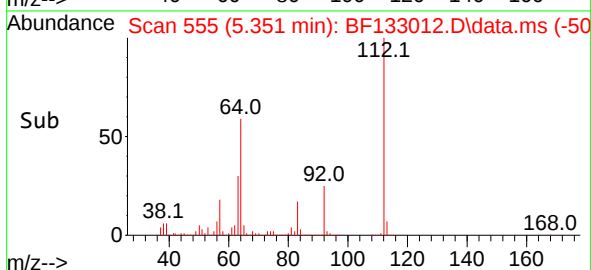
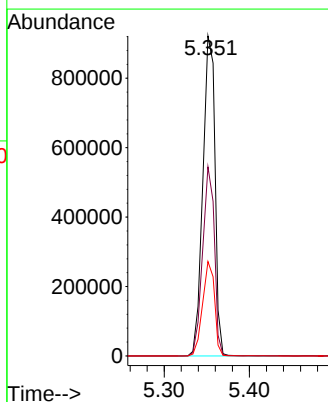
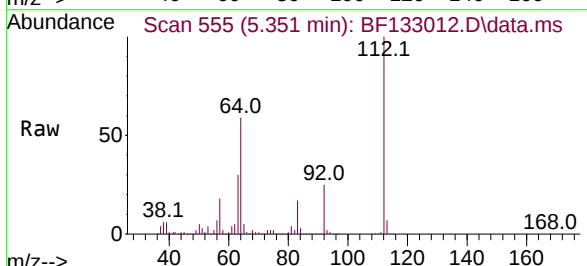
Manual Integrations
APPROVED

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



#5
2-Fluorophenol
Concen: 70.278 ng
RT: 5.351 min Scan# 555
Delta R.T. -0.000 min
Lab File: BF133012.D
Acq: 24 Apr 2023 23:54

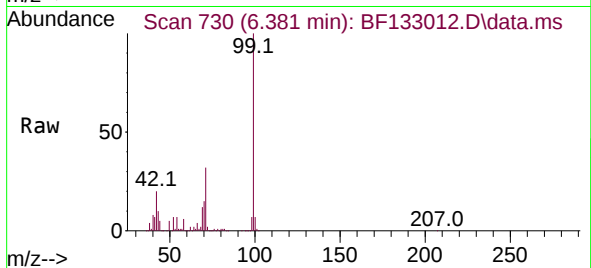
Tgt Ion:112 Resp: 912527
Ion Ratio Lower Upper
112 100
64 59.1 46.8 70.2
63 29.5 23.8 35.8





#7
Phenol-d6
Concen: 71.307 ng
RT: 6.381 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133012.D
Acq: 24 Apr 2023 23:54

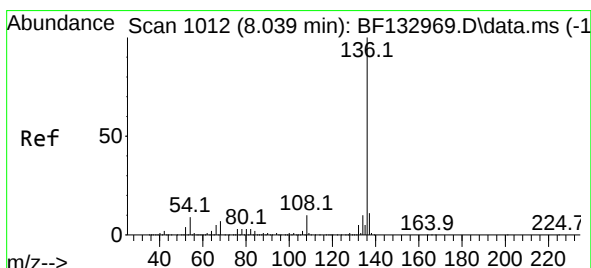
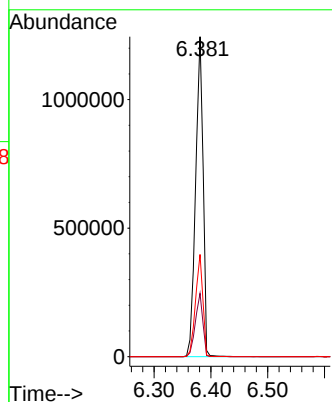
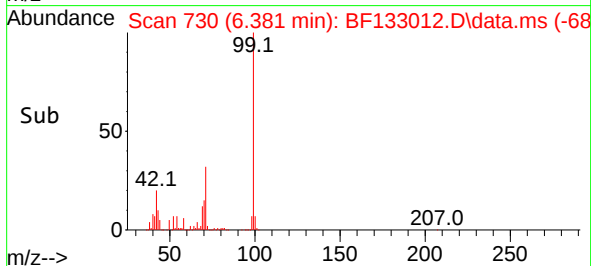
Instrument :
BNA_F
ClientSampleId :
SB-24-COMP



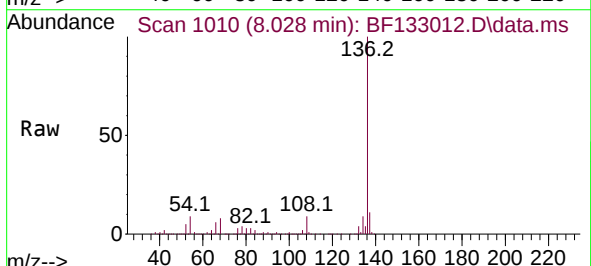
Tgt Ion: 99 Resp: 1149218
Ion Ratio Lower Upper
99 100
42 19.8 16.3 24.5
71 32.0 25.6 38.4

Manual Integrations
APPROVED

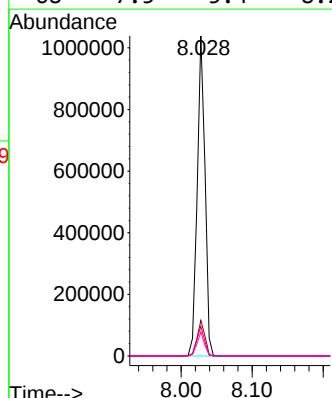
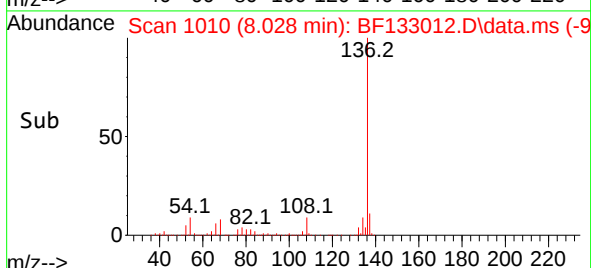
Reviewed By :Christian Giraldo 04/25/2023
Supervised By :Jagrut Upadhyay 04/25/2023

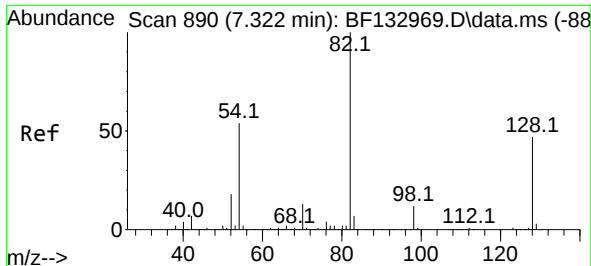


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.028 min Scan# 1010
Delta R.T. -0.012 min
Lab File: BF133012.D
Acq: 24 Apr 2023 23:54



Tgt Ion:136 Resp: 792205
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 9.3 7.0 10.4
68 7.5 5.4 8.2





#23

Nitrobenzene-d5

Concen: 47.397 ng

RT: 7.304 min Scan# 81

Delta R.T. -0.018 min

Lab File: BF133012.D

Acq: 24 Apr 2023 23:54

Instrument :

BNA_F

ClientSampleId :

SB-24-COMP

Tgt Ion: 82 Resp: 69562

Ion Ratio Lower Upper

82 100

128 45.9 37.7 56.5

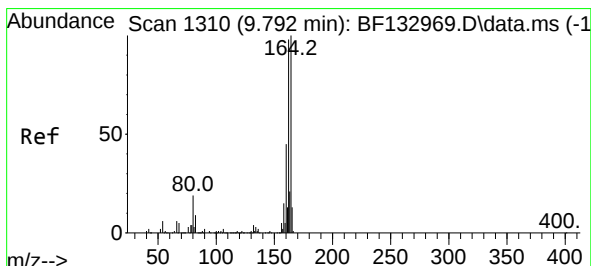
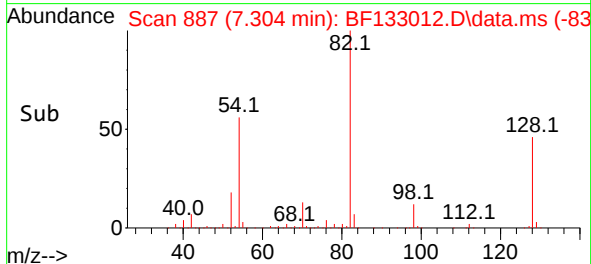
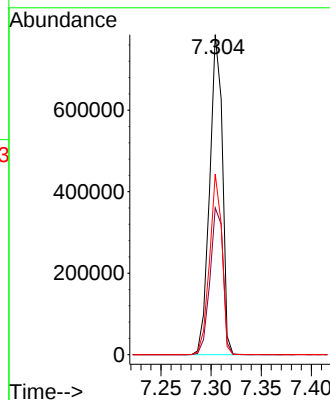
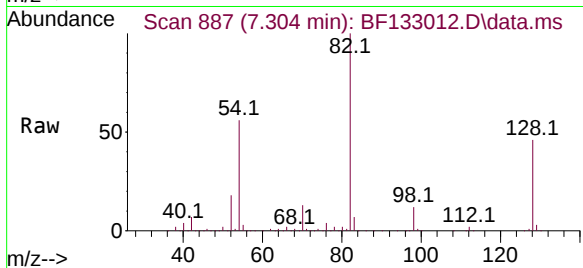
54 56.4 43.0 64.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/25/2023

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: BF133012.D

Acq: 24 Apr 2023 23:54

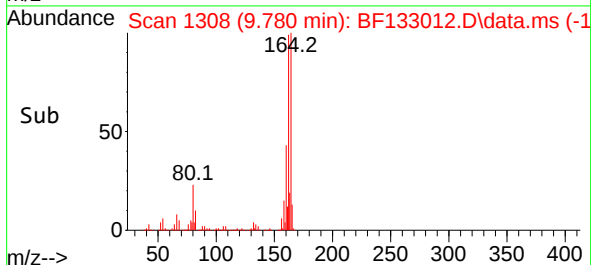
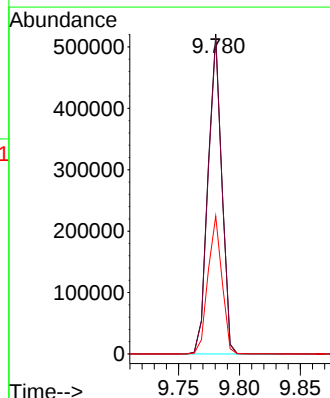
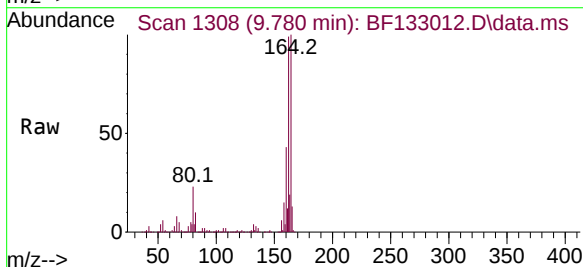
Tgt Ion:164 Resp: 406224

Ion Ratio Lower Upper

164 100

162 98.9 78.7 118.1

160 43.1 35.8 53.6





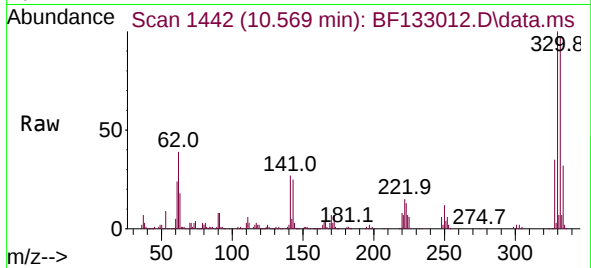
#42
2,4,6-Tribromophenol
Concen: 67.506 ng
RT: 10.569 min Scan# 1444
Delta R.T. -0.012 min
Lab File: BF133012.D
Acq: 24 Apr 2023 23:54

Instrument :

BNA_F

ClientSampleId :

SB-24-COMP

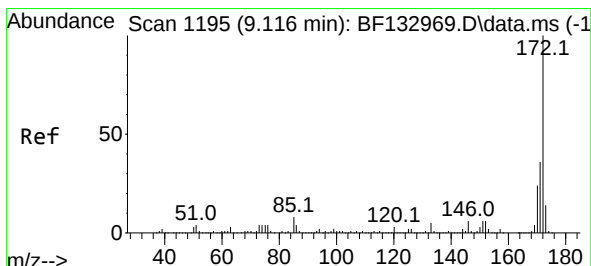
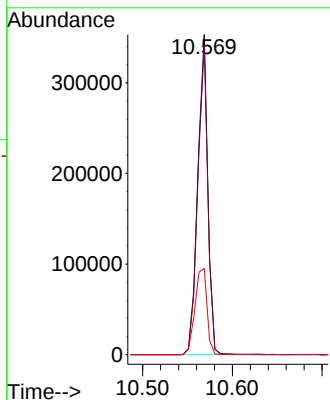
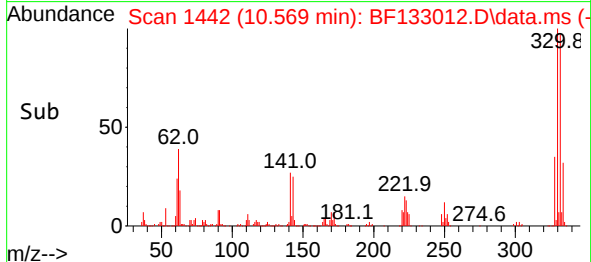


Tgt Ion:330 Resp: 27578
Ion Ratio Lower Upper
330 100
332 96.5 77.1 115.7
141 32.1 25.8 38.8

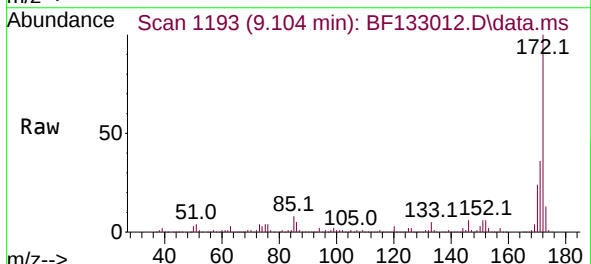
Manual Integrations

APPROVED

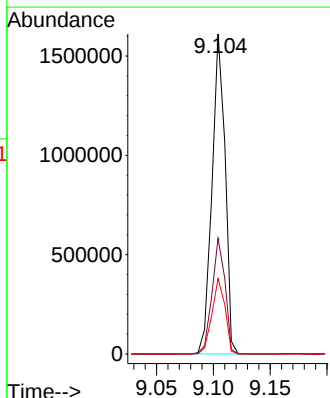
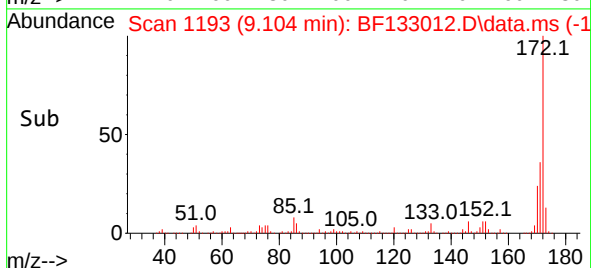
Reviewed By :Christian Giraldo 04/25/2023
Supervised By :Jagrut Upadhyay 04/25/2023

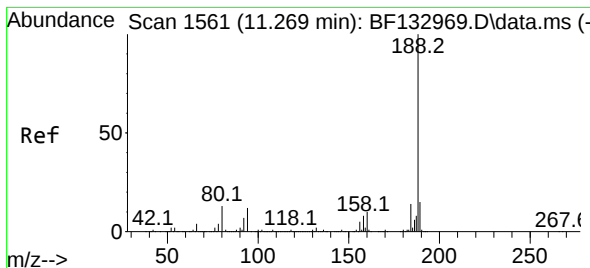


#45
2-Fluorobiphenyl
Concen: 52.840 ng
RT: 9.104 min Scan# 1193
Delta R.T. -0.012 min
Lab File: BF133012.D
Acq: 24 Apr 2023 23:54



Tgt Ion:172 Resp: 1283010
Ion Ratio Lower Upper
172 100
171 36.2 28.8 43.2
170 23.6 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: BF133012.D
Acq: 24 Apr 2023 23:54

Instrument :

BNA_F

ClientSampleId :

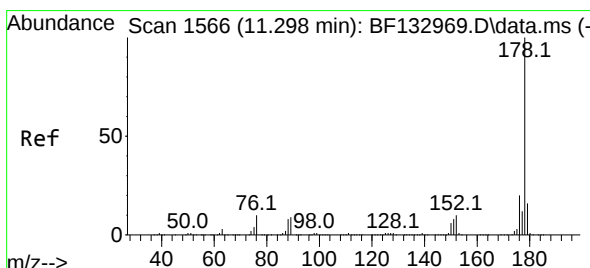
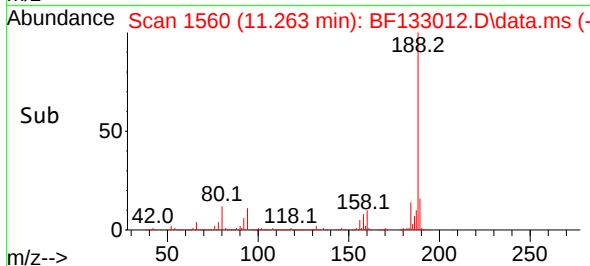
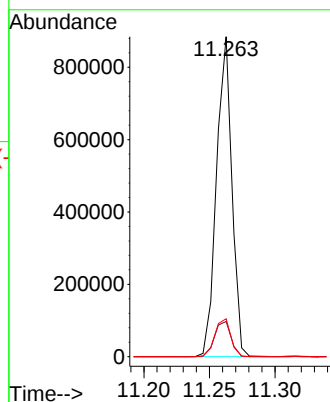
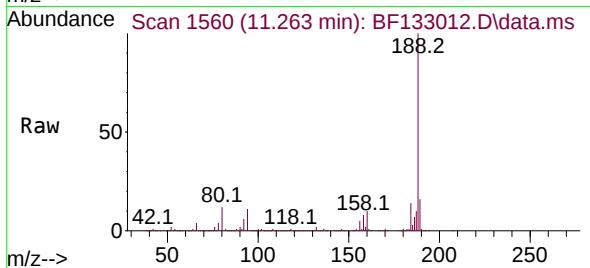
SB-24-COMP

Tgt Ion:188 Resp: 72137
Ion Ratio Lower Upper
188 100
94 11.0 9.7 14.5
80 11.9 10.4 15.6

Manual Integrations

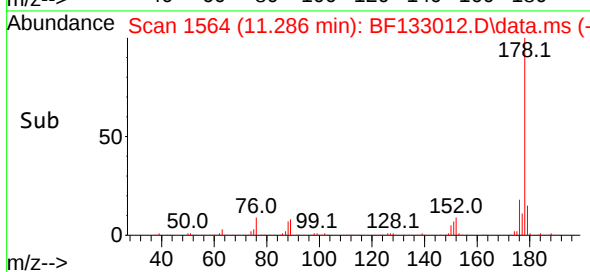
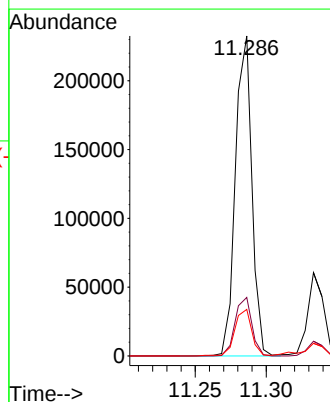
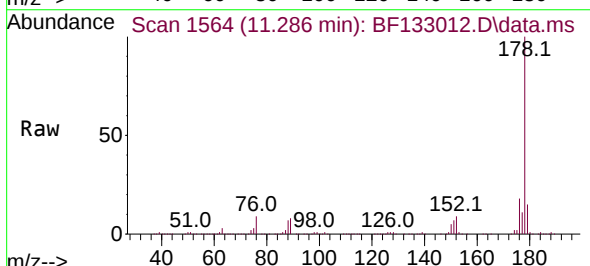
APPROVED

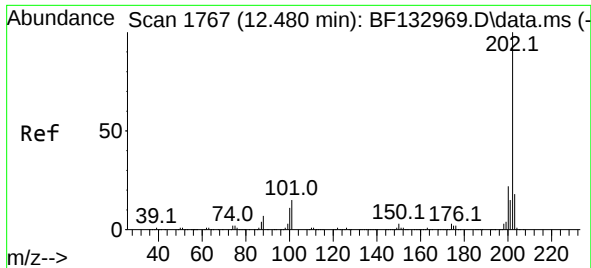
Reviewed By :Christian Giraldo 04/25/2023
Supervised By :Jagrut Upadhyay 04/25/2023



#71
Phenanthrene
Concen: 4.862 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.012 min
Lab File: BF133012.D
Acq: 24 Apr 2023 23:54

Tgt Ion:178 Resp: 188524
Ion Ratio Lower Upper
178 100
176 18.3 15.9 23.9
179 14.5 12.5 18.7





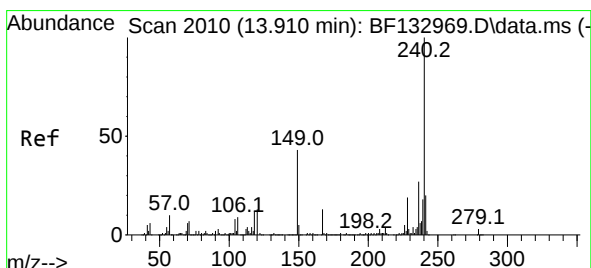
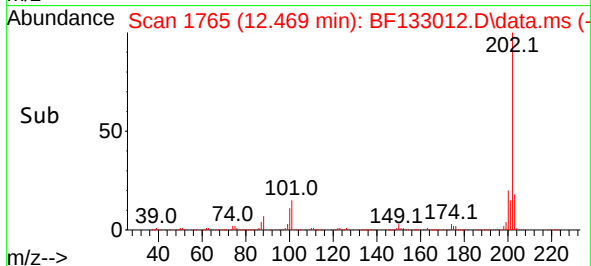
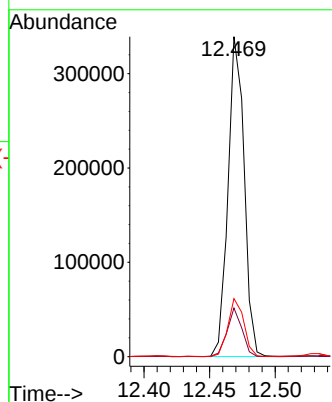
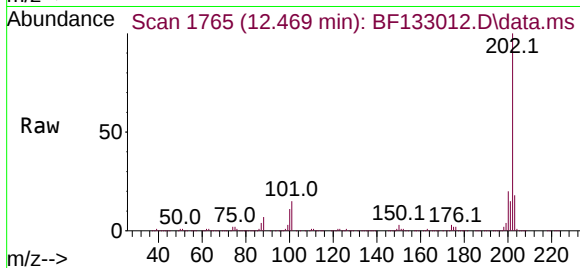
#75
Fluoranthene
Concen: 7.432 ng
RT: 12.469 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133012.D
Acq: 24 Apr 2023 23:54

Instrument :
BNA_F
ClientSampleId :
SB-24-COMP

Tgt Ion:202 Resp: 28918
Ion Ratio Lower Upper
202 100
101 15.2 0.0 35.3
203 18.2 0.0 38.1

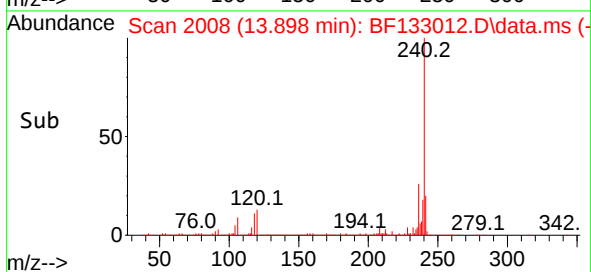
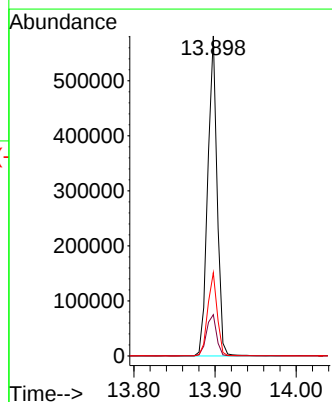
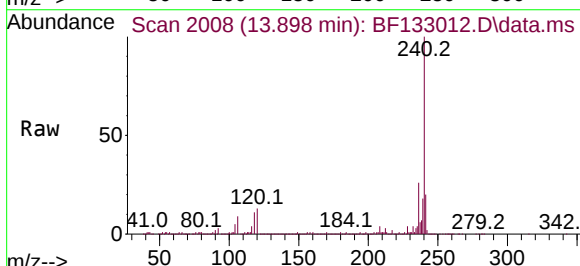
Manual Integrations
APPROVED

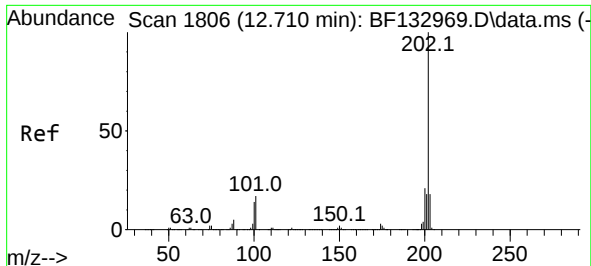
Reviewed By :Christian Giraldo 04/25/2023
Supervised By :Jagrut Upadhyay 04/25/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.898 min Scan# 2008
Delta R.T. -0.012 min
Lab File: BF133012.D
Acq: 24 Apr 2023 23:54

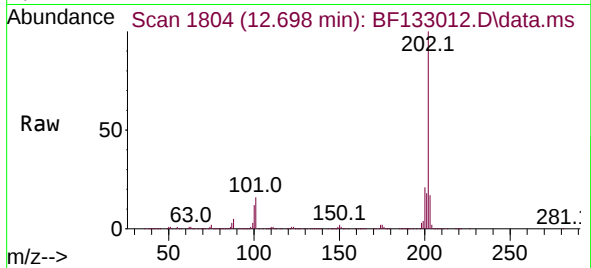
Tgt Ion:240 Resp: 464351
Ion Ratio Lower Upper
240 100
120 12.9 10.5 15.7
236 26.0 21.5 32.3





#78
Pyrene
Concen: 6.116 ng
RT: 12.698 min Scan# 1804
Delta R.T. -0.012 min
Lab File: BF133012.D
Acq: 24 Apr 2023 23:54

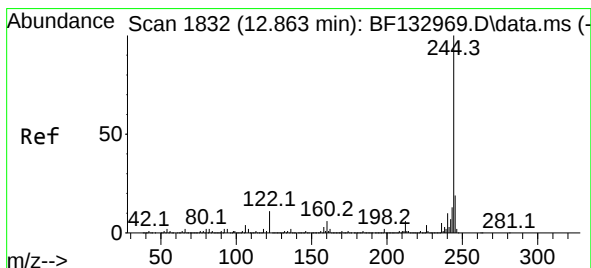
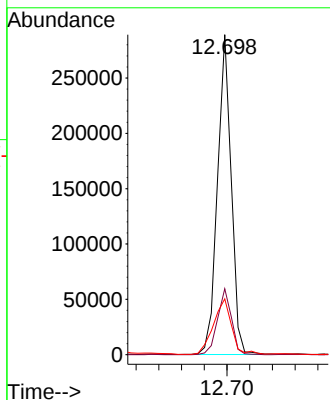
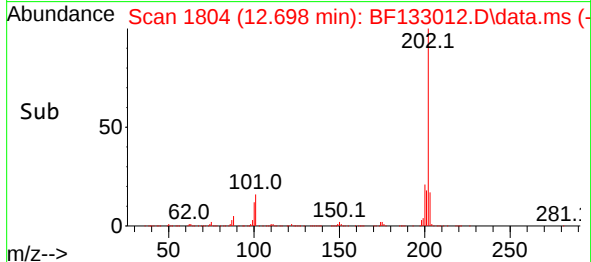
Instrument :
BNA_F
ClientSampleId :
SB-24-COMP



Tgt Ion:202 Resp: 24346
Ion Ratio Lower Upper
202 100
200 20.6 17.1 25.7
203 17.5 14.1 21.1

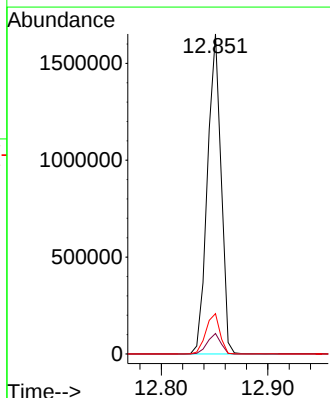
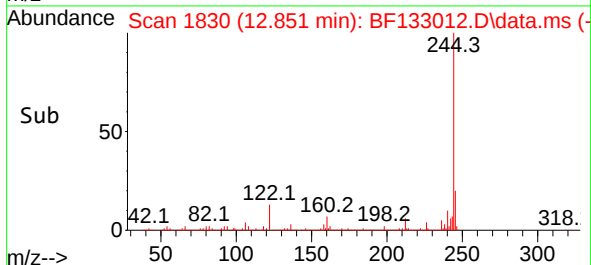
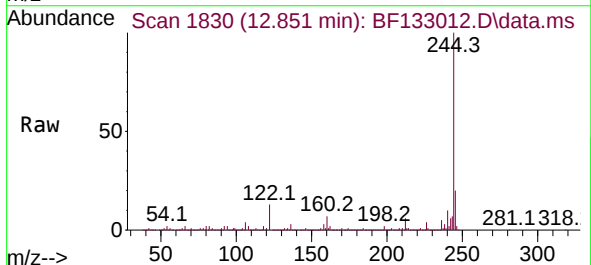
Manual Integrations
APPROVED

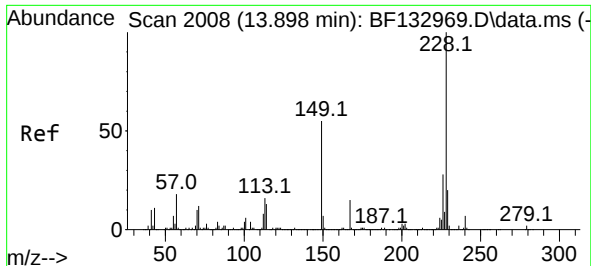
Reviewed By :Christian Giraldo 04/25/2023
Supervised By :Jagrut Upadhyay 04/25/2023



#79
Terphenyl-d14
Concen: 54.470 ng
RT: 12.851 min Scan# 1830
Delta R.T. -0.012 min
Lab File: BF133012.D
Acq: 24 Apr 2023 23:54

Tgt Ion:244 Resp: 1466565
Ion Ratio Lower Upper
244 100
212 6.4 5.1 7.7
122 12.6 8.6 13.0





#81
Benzo(a)anthracene
Concen: 3.529 ng
RT: 13.886 min Scan# 2012
Delta R.T. -0.012 min
Lab File: BF133012.D
Acq: 24 Apr 2023 23:54

Instrument :

BNA_F

ClientSampleId :

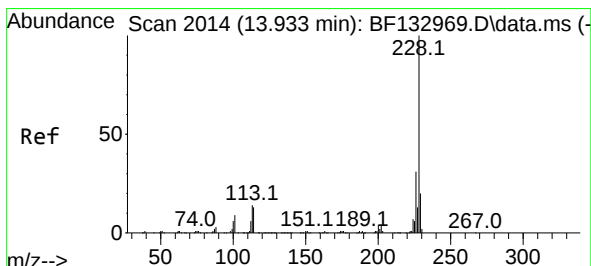
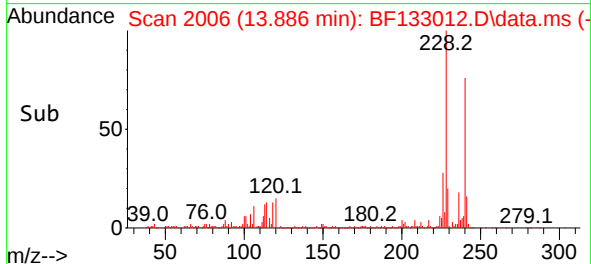
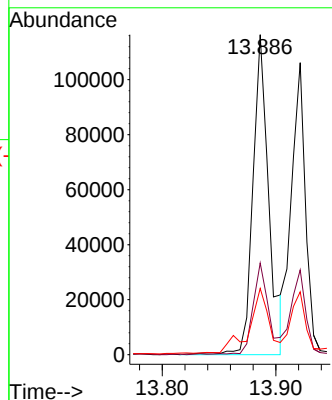
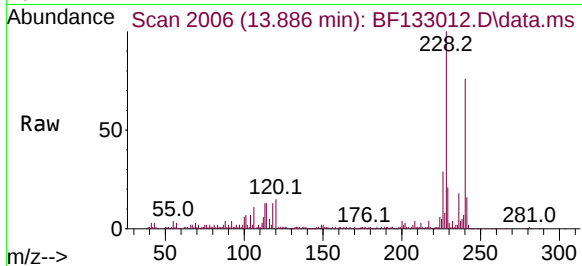
SB-24-COMP

Tgt Ion:228 Resp: 112680
Ion Ratio Lower Upper
228 100
226 28.6 22.2 33.4
229 20.7 16.0 24.0

Manual Integrations

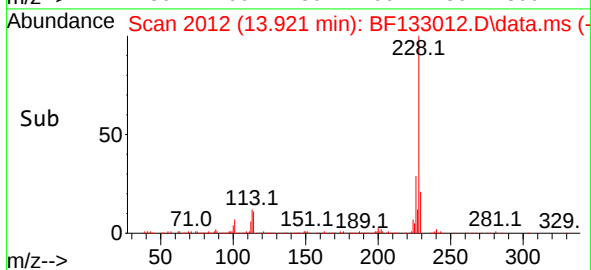
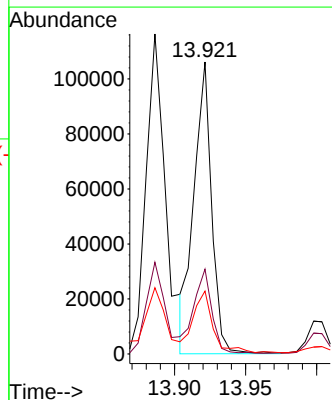
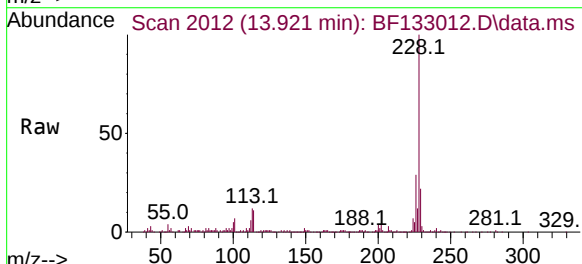
APPROVED

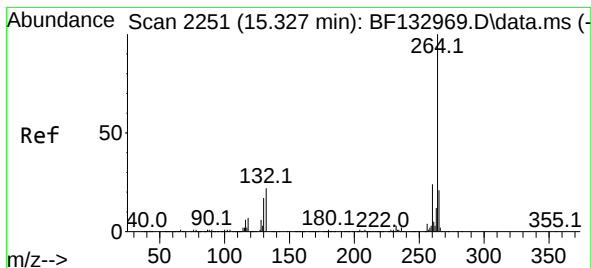
Reviewed By :Christian Giraldo 04/25/2023
Supervised By :Jagrut Upadhyay 04/25/2023



#83
Chrysene
Concen: 2.892 ng
RT: 13.921 min Scan# 2012
Delta R.T. -0.012 min
Lab File: BF133012.D
Acq: 24 Apr 2023 23:54

Tgt Ion:228 Resp: 92334
Ion Ratio Lower Upper
228 100
226 29.1 24.7 37.1
229 21.5 16.1 24.1





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.321 min Scan# 2180
 Delta R.T. -0.006 min
 Lab File: BF133012.D
 Acq: 24 Apr 2023 23:54

Instrument :

BNA_F

ClientSampleId :

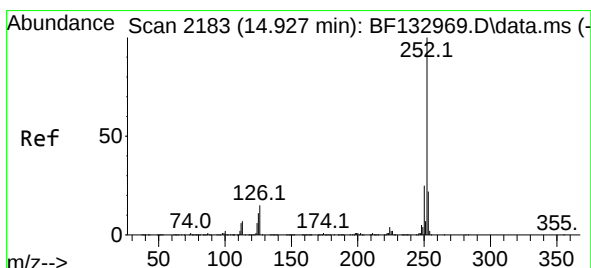
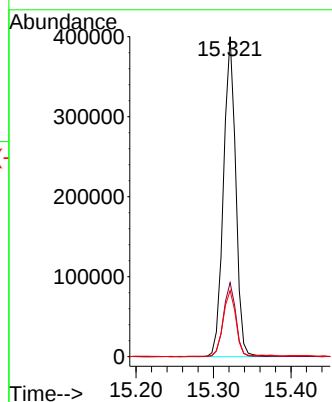
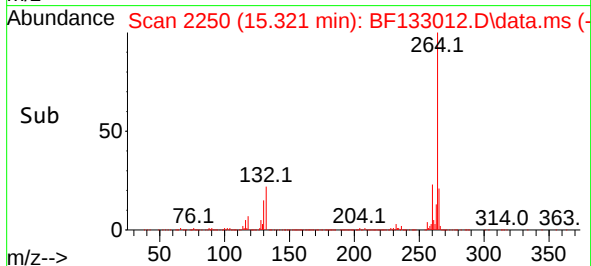
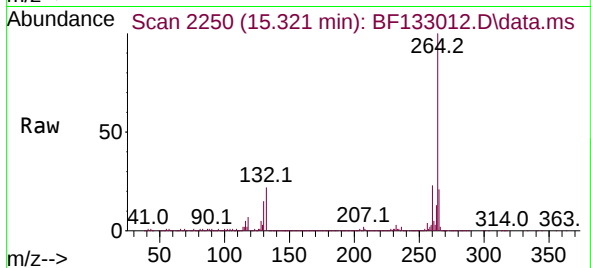
SB-24-COMP

Tgt Ion:264 Resp: 440779
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.8 28.2
 265 20.7 17.0 25.4

Manual Integrations

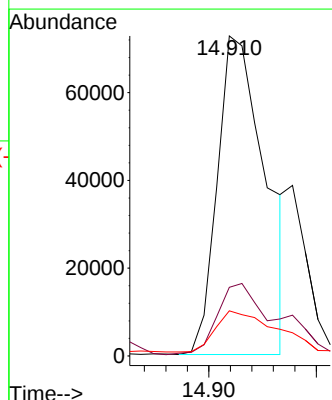
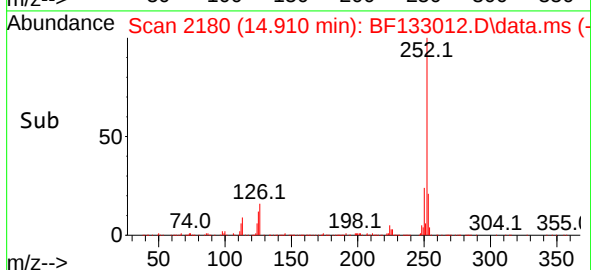
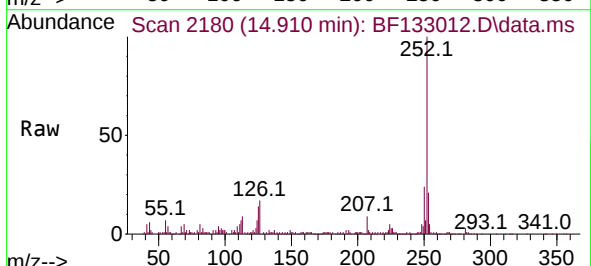
APPROVED

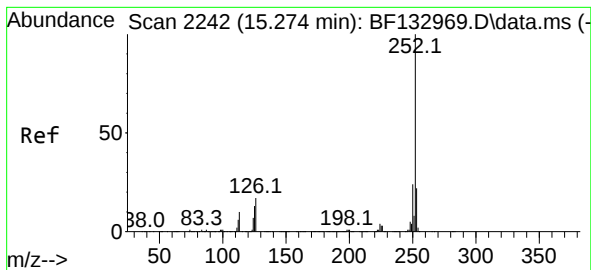
Reviewed By :Christian Giraldo 04/25/2023
 Supervised By :Jagrut Upadhyay 04/25/2023



#88
 Benzo(b)fluoranthene
 Concen: 3.999 ng m
 RT: 14.910 min Scan# 2180
 Delta R.T. -0.018 min
 Lab File: BF133012.D
 Acq: 24 Apr 2023 23:54

Tgt Ion:252 Resp: 112135
 Ion Ratio Lower Upper
 252 100
 253 21.5 17.6 26.4
 125 14.1 8.9 13.3#





#90

Benzo(a)pyrene

Concen: 2.762 ng

RT: 15.257 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF133012.D

Acq: 24 Apr 2023 23:54

Instrument :

BNA_F

ClientSampleId :

SB-24-COMP

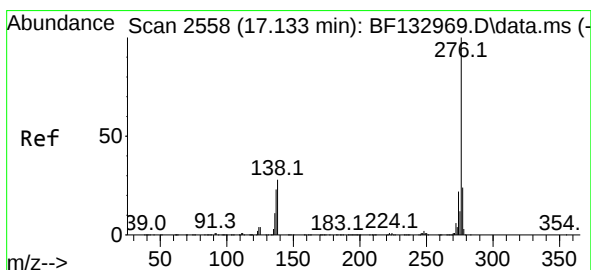
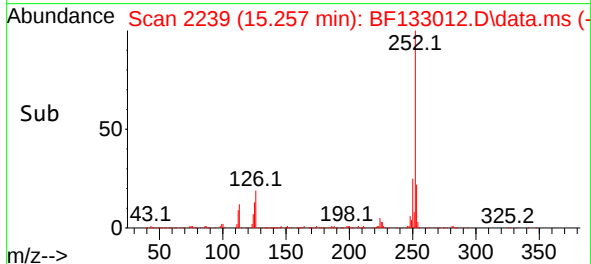
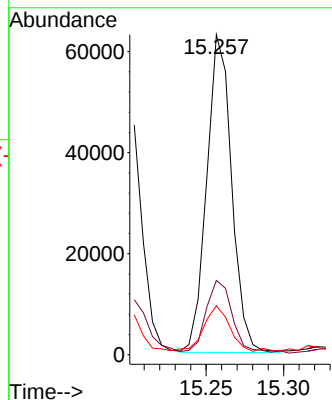
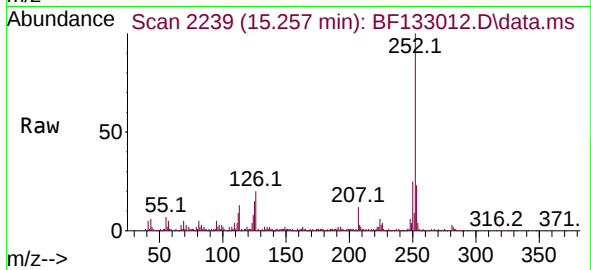
Tgt Ion:	252	Resp:	70509
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.7	26.5
125	15.3	10.5	15.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/25/2023

Supervised By :Jagrut Upadhyay 04/25/2023



#92

Benzo(g,h,i)perylene

Concen: 2.287 ng

RT: 17.109 min Scan# 2554

Delta R.T. -0.024 min

Lab File: BF133012.D

Acq: 24 Apr 2023 23:54

Tgt Ion:	276	Resp:	47213
Ion Ratio	Lower	Upper	
276	100		
277	26.1	19.4	29.0
138	26.9	22.7	34.1

