

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042423\
 Data File : BF133019.D
 Acq On : 25 Apr 2023 03:28
 Operator : CG\JU
 Sample : 02470-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMP

Manual Integrations
 APPROVED

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

Quant Time: Apr 25 05:22:57 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	214209	20.000	ng	0.00
21) Naphthalene-d8	8.028	136	846140	20.000	ng	-0.01
39) Acenaphthene-d10	9.781	164	410490	20.000	ng	-0.01
64) Phenanthrene-d10	11.263	188	675192	20.000	ng	0.00
76) Chrysene-d12	13.898	240	453604	20.000	ng	-0.01
86) Perylene-d12	15.327	264	389985	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1086983	76.654	ng	0.00
7) Phenol-d6	6.387	99	1314277	74.672	ng	0.00
23) Nitrobenzene-d5	7.310	82	795568	50.751	ng	-0.01
42) 2,4,6-Tribromophenol	10.569	330	274163	66.411	ng	-0.01
45) 2-Fluorobiphenyl	9.104	172	1441041	58.731	ng	-0.01
79) Terphenyl-d14	12.851	244	1375116	52.284	ng	-0.01
Target Compounds						Qvalue
75) Fluoranthene	12.475	202	166762	4.579	ng	95
78) Pyrene	12.698	202	147446	3.792	ng	98
81) Benzo(a)anthracene	13.886	228	78934	2.531	ng	96
83) Chrysene	13.921	228	70478	2.260	ng	96
88) Benzo(b)fluoranthene	14.916	252	92031m	3.709	ng	
90) Benzo(a)pyrene	15.263	252	59817	2.649	ng	# 96

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

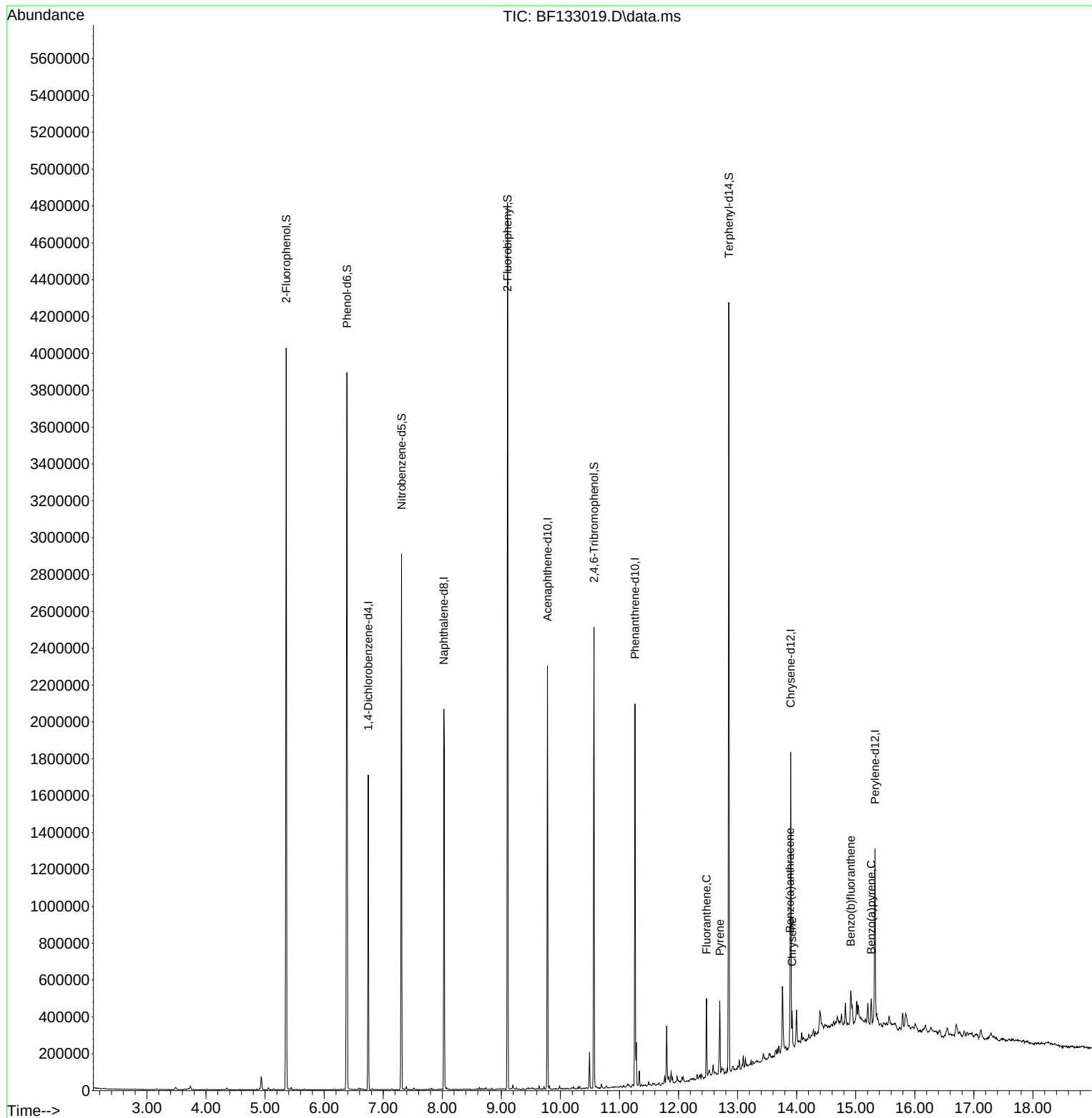
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042423\
Data File : BF133019.D
Acq On : 25 Apr 2023 03:28
Operator : CG\JU
Sample : 02470-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

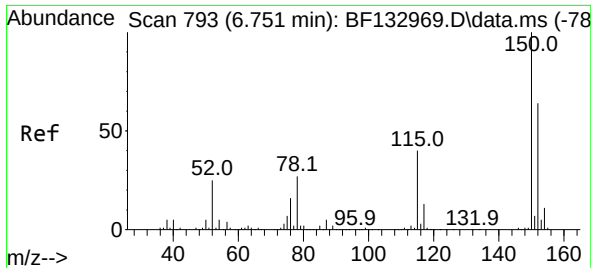
Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

Quant Time: Apr 25 05:22:57 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

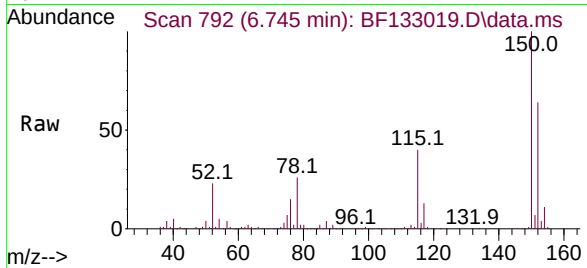
Reviewed By :Christian Giraldo 04/25/2023
Supervised By :Jagrut Upadhyay 04/25/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.745 min Scan# 793
Delta R.T. -0.006 min
Lab File: BF133019.D
Acq: 25 Apr 2023 03:28

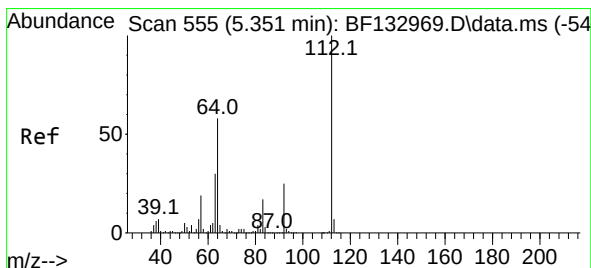
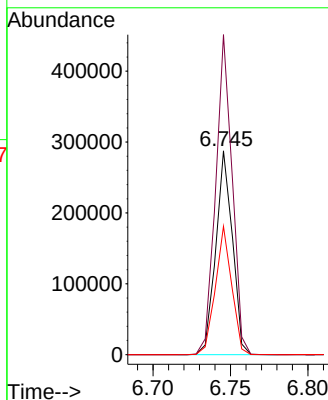
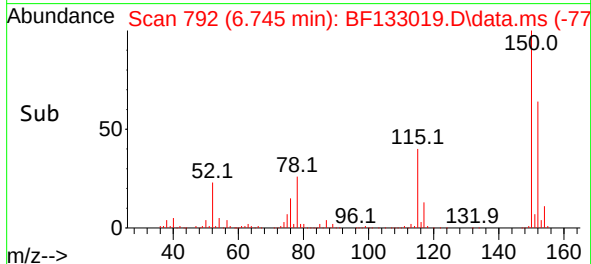
Instrument :
BNA_F
ClientSampleId :
SB-02-COMP



Tgt Ion:152 Resp: 214209
Ion Ratio Lower Upper
152 100
150 157.0 124.8 187.2
115 62.9 49.9 74.9

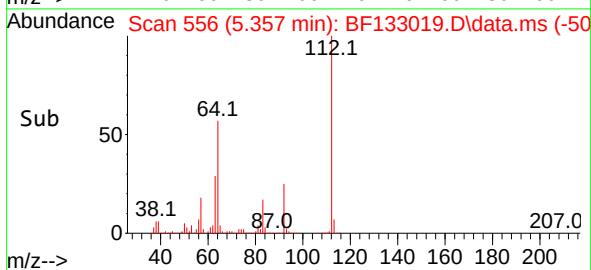
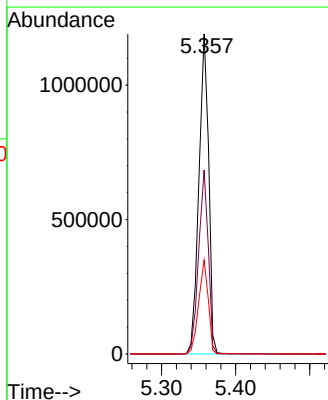
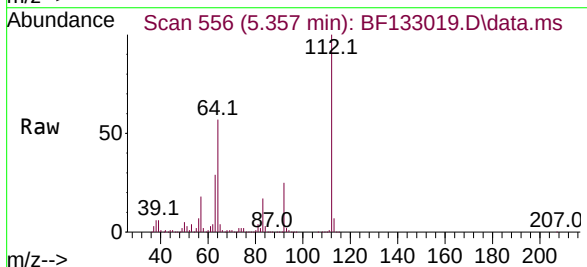
Manual Integrations
APPROVED

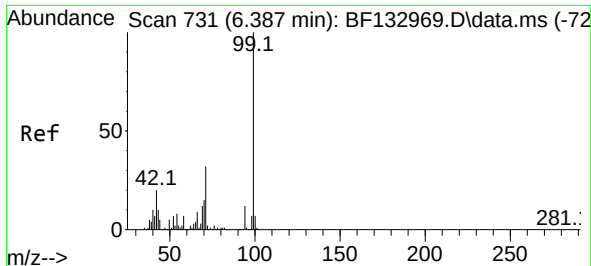
Reviewed By :Christian Giraldo 04/25/2023
Supervised By :Jagrut Upadhyay 04/25/2023



#5
2-Fluorophenol
Concen: 76.654 ng
RT: 5.357 min Scan# 556
Delta R.T. 0.006 min
Lab File: BF133019.D
Acq: 25 Apr 2023 03:28

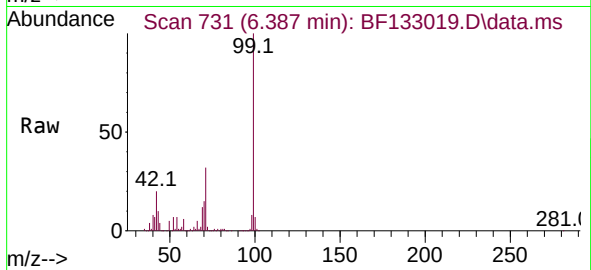
Tgt Ion:112 Resp: 1086983
Ion Ratio Lower Upper
112 100
64 57.4 46.8 70.2
63 29.3 23.8 35.8





#7
Phenol-d6
Concen: 74.672 ng
RT: 6.387 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF133019.D
Acq: 25 Apr 2023 03:28

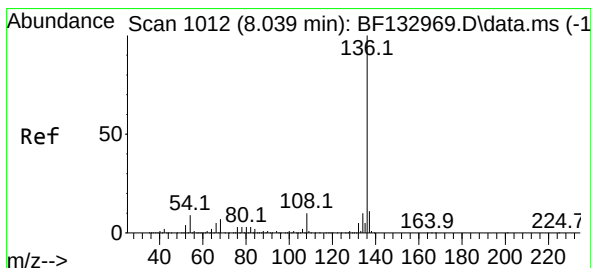
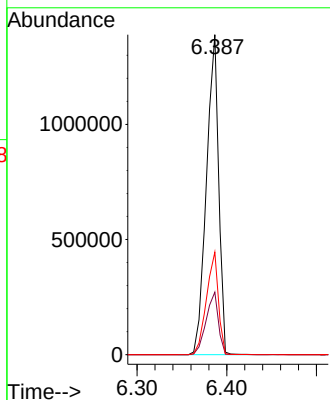
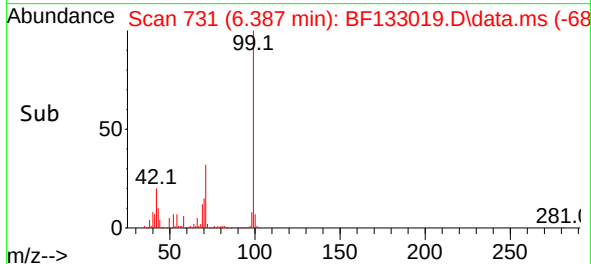
Instrument :
BNA_F
ClientSampleId :
SB-02-COMP



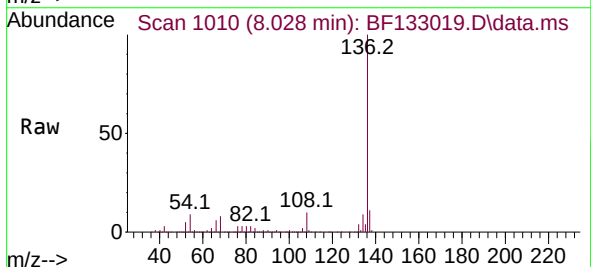
Tgt Ion: 99 Resp: 131427
Ion Ratio Lower Upper
99 100
42 19.6 16.3 24.5
71 32.0 25.6 38.4

Manual Integrations
APPROVED

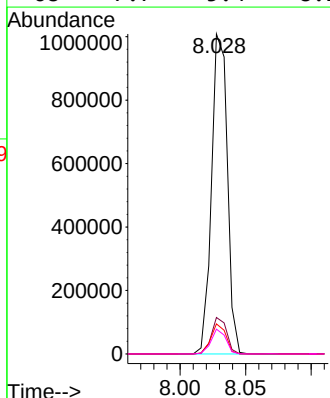
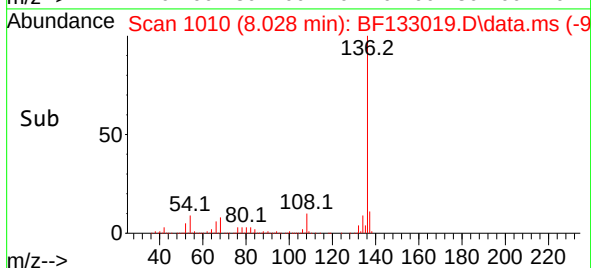
Reviewed By :Christian Giraldo 04/25/2023
Supervised By :Jagrut Upadhyay 04/25/2023

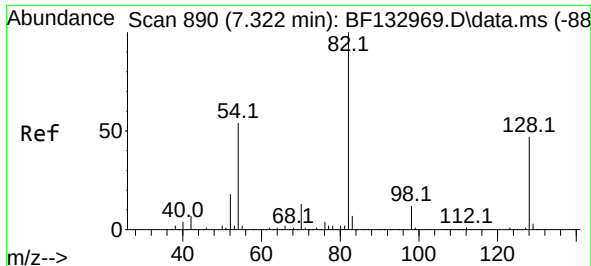


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.028 min Scan# 1010
Delta R.T. -0.012 min
Lab File: BF133019.D
Acq: 25 Apr 2023 03:28



Tgt Ion:136 Resp: 846140
Ion Ratio Lower Upper
136 100
137 11.4 8.6 13.0
54 9.4 7.0 10.4
68 7.7 5.4 8.2





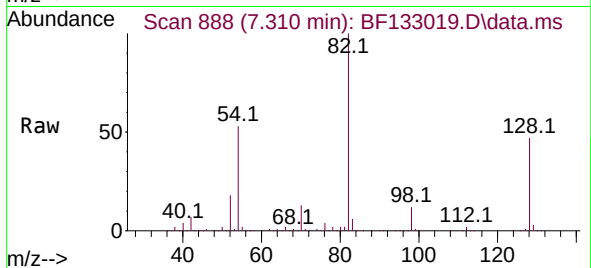
#23
Nitrobenzene-d5
Concen: 50.751 ng
RT: 7.310 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF133019.D
Acq: 25 Apr 2023 03:28

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

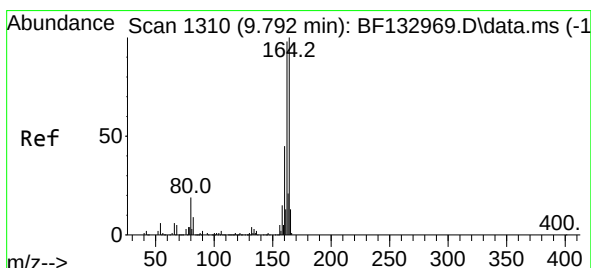
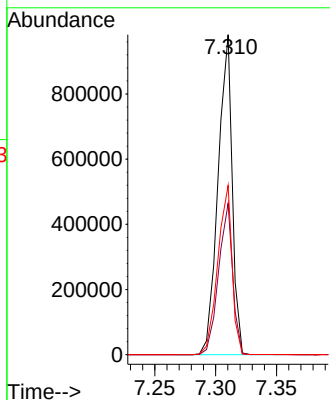
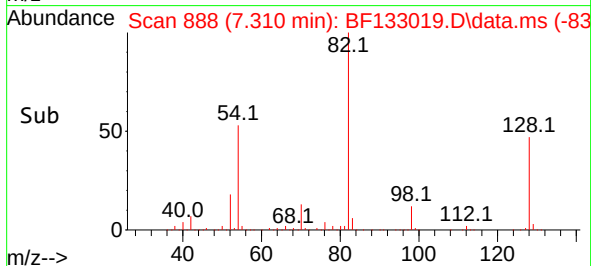


Tgt Ion: 82 Resp: 79556
Ion Ratio Lower Upper
82 100
128 47.3 37.7 56.5
54 52.9 43.0 64.4

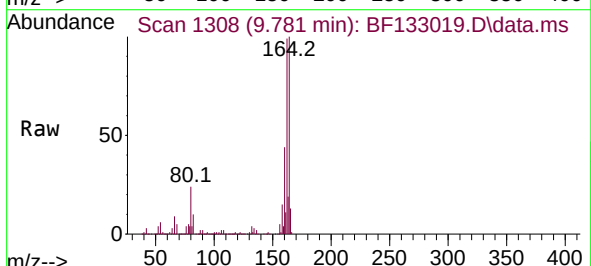
Manual Integrations

APPROVED

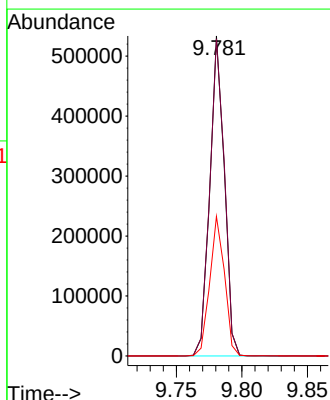
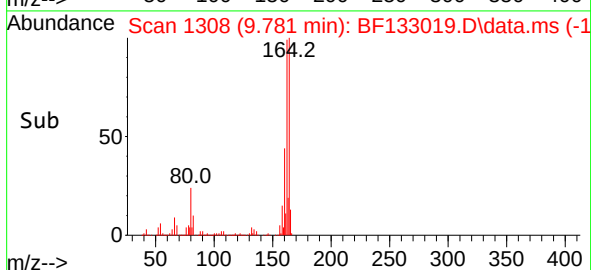
Reviewed By :Christian Giraldo 04/25/2023
Supervised By :Jagrut Upadhyay 04/25/2023

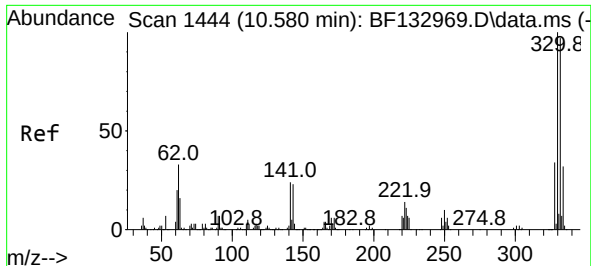


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.781 min Scan# 1308
Delta R.T. -0.012 min
Lab File: BF133019.D
Acq: 25 Apr 2023 03:28



Tgt Ion:164 Resp: 410490
Ion Ratio Lower Upper
164 100
162 99.1 78.7 118.1
160 43.6 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 66.411 ng
RT: 10.569 min Scan# 1444
Delta R.T. -0.012 min
Lab File: BF133019.D
Acq: 25 Apr 2023 03:28

Instrument :

BNA_F

ClientSampleId :

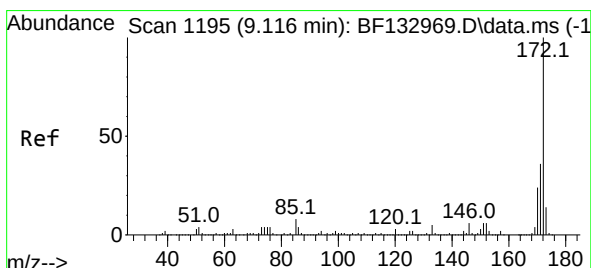
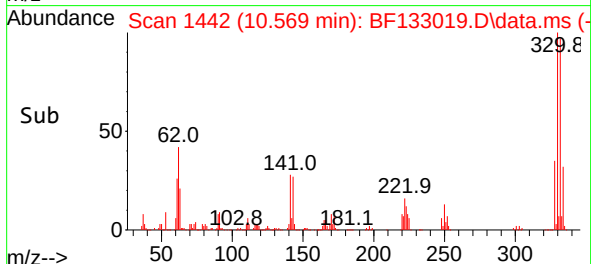
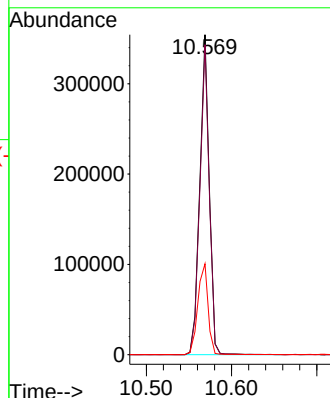
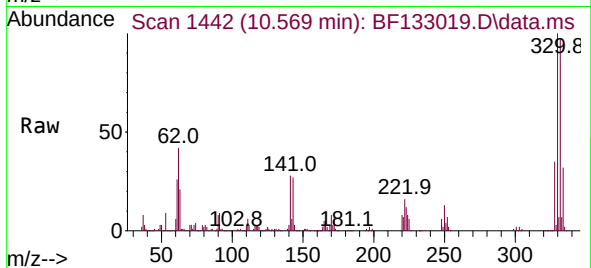
SB-02-COMP

Tgt Ion:330 Resp: 27416
Ion Ratio Lower Upper
330 100
332 96.5 77.1 115.7
141 30.9 25.8 38.8

Manual Integrations

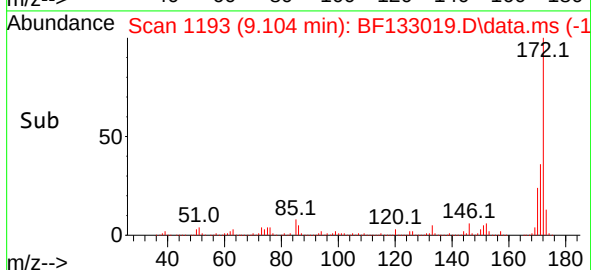
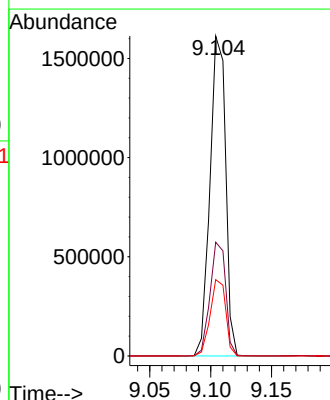
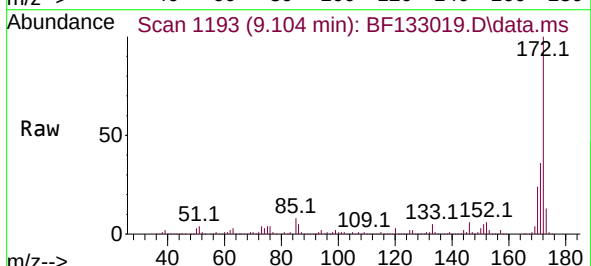
APPROVED

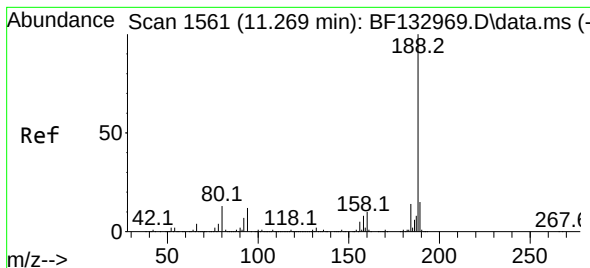
Reviewed By :Christian Giraldo 04/25/2023
Supervised By :Jagrut Upadhyay 04/25/2023



#45
2-Fluorobiphenyl
Concen: 58.731 ng
RT: 9.104 min Scan# 1193
Delta R.T. -0.012 min
Lab File: BF133019.D
Acq: 25 Apr 2023 03:28

Tgt Ion:172 Resp: 1441041
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 23.8 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: BF133019.D
Acq: 25 Apr 2023 03:28

Instrument :

BNA_F

ClientSampleId :

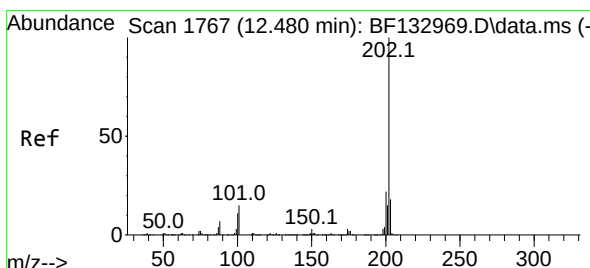
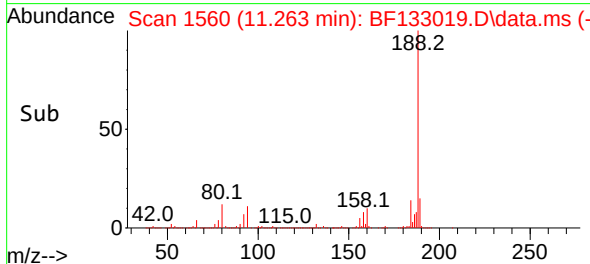
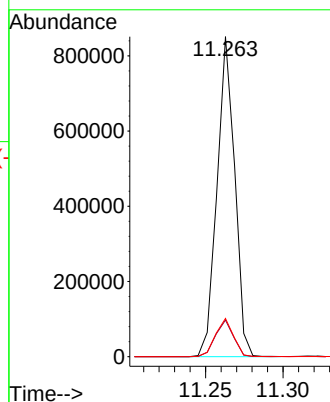
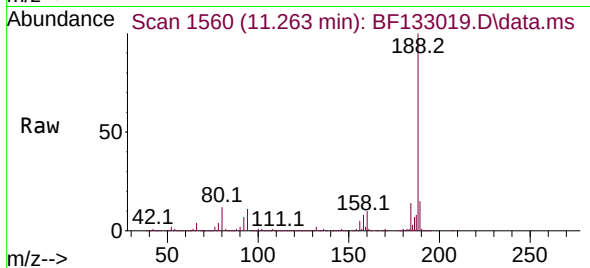
SB-02-COMP

Tgt Ion:188 Resp: 675192
Ion Ratio Lower Upper
188 100
94 11.4 9.7 14.5
80 12.0 10.4 15.6

Manual Integrations

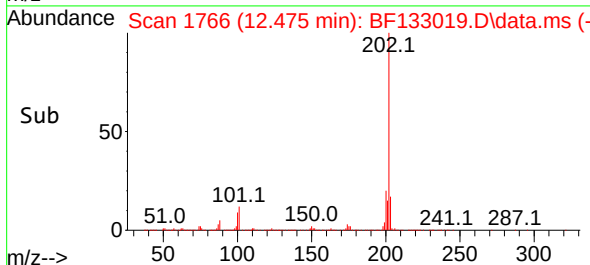
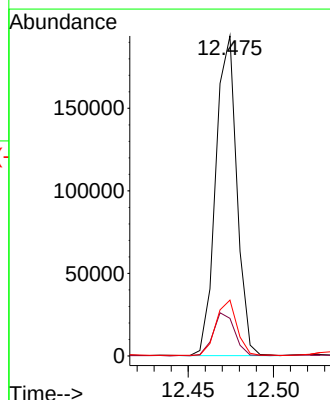
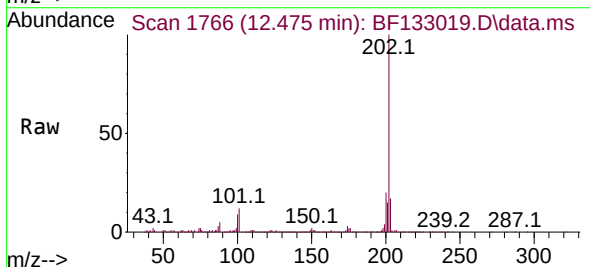
APPROVED

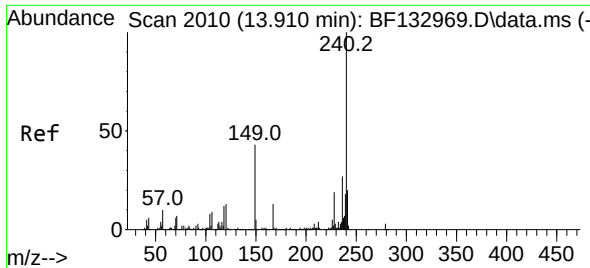
Reviewed By :Christian Giraldo 04/25/2023
Supervised By :Jagrut Upadhyay 04/25/2023



#75
Fluoranthene
Concen: 4.579 ng
RT: 12.475 min Scan# 1766
Delta R.T. -0.006 min
Lab File: BF133019.D
Acq: 25 Apr 2023 03:28

Tgt Ion:202 Resp: 166762
Ion Ratio Lower Upper
202 100
101 11.7 0.0 35.3
203 17.5 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.898 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF133019.D
Acq: 25 Apr 2023 03:28

Instrument :

BNA_F

ClientSampleId :

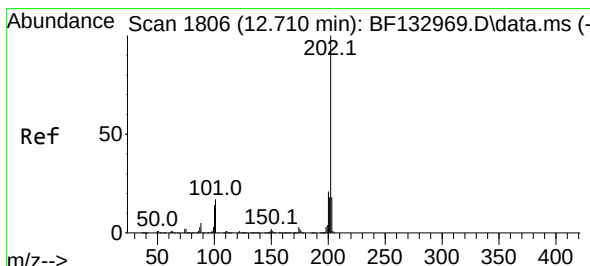
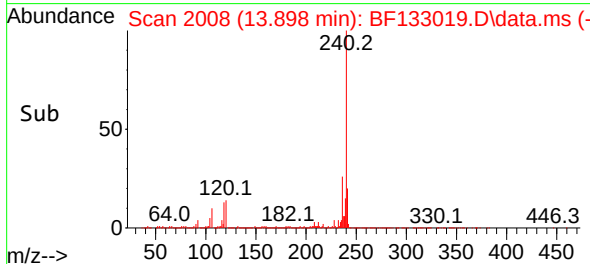
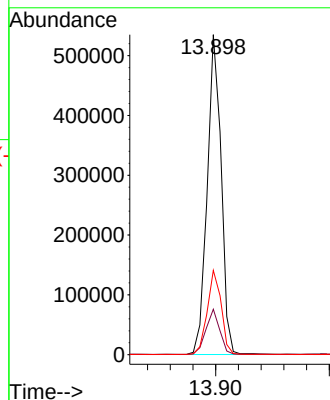
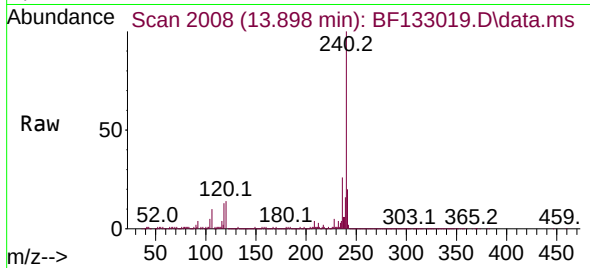
SB-02-COMP

Tgt Ion:240 Resp: 453604
Ion Ratio Lower Upper
240 100
120 14.2 10.5 15.7
236 26.4 21.5 32.3

Manual Integrations

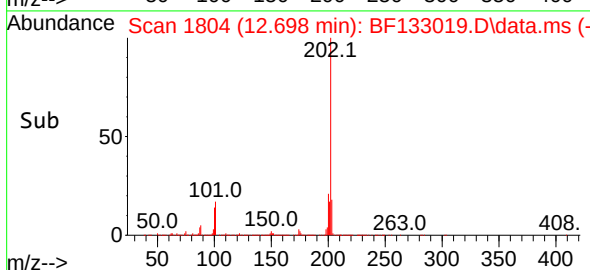
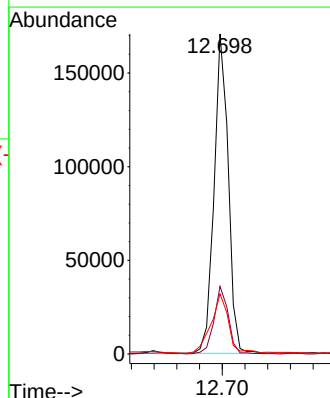
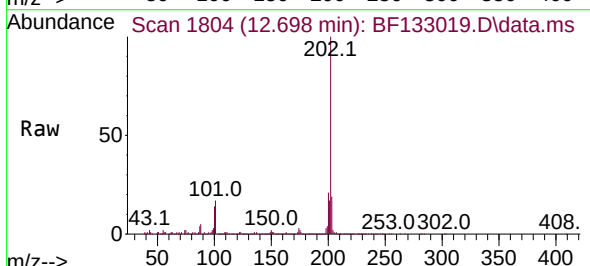
APPROVED

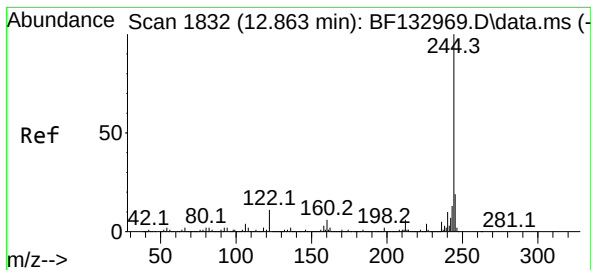
Reviewed By :Christian Giraldo 04/25/2023
Supervised By :Jagrut Upadhyay 04/25/2023



#78
Pyrene
Concen: 3.792 ng
RT: 12.698 min Scan# 1804
Delta R.T. -0.012 min
Lab File: BF133019.D
Acq: 25 Apr 2023 03:28

Tgt Ion:202 Resp: 147446
Ion Ratio Lower Upper
202 100
200 21.1 17.1 25.7
203 18.8 14.1 21.1





#79

Terphenyl-d14

Concen: 52.284 ng

RT: 12.851 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF133019.D

Acq: 25 Apr 2023 03:28

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

Tgt Ion:244 Resp: 1375110

Ion Ratio Lower Upper

244 100

212 6.4 5.1 7.7

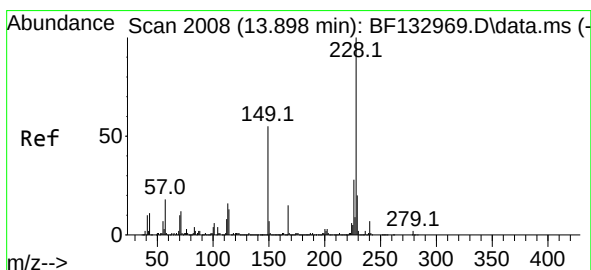
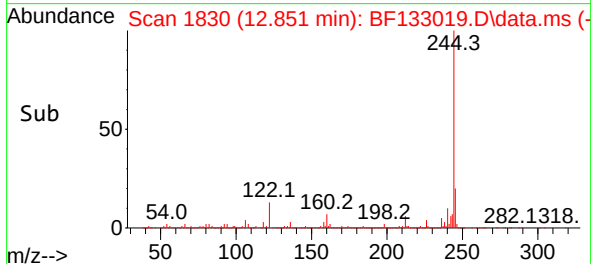
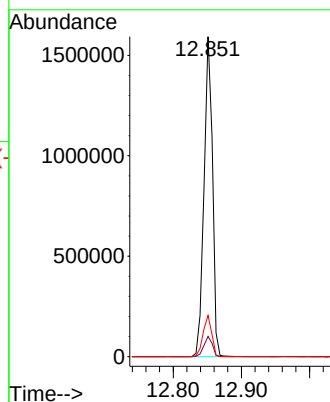
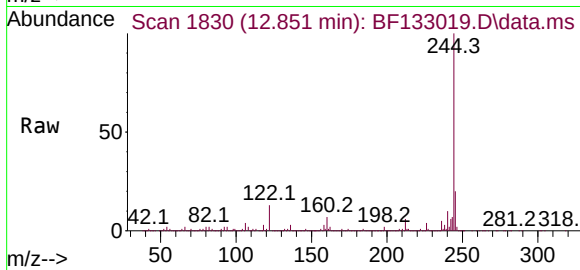
122 12.9 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/25/2023

Supervised By :Jagrut Upadhyay 04/25/2023



#81

Benzo(a)anthracene

Concen: 2.531 ng

RT: 13.886 min Scan# 2006

Delta R.T. -0.012 min

Lab File: BF133019.D

Acq: 25 Apr 2023 03:28

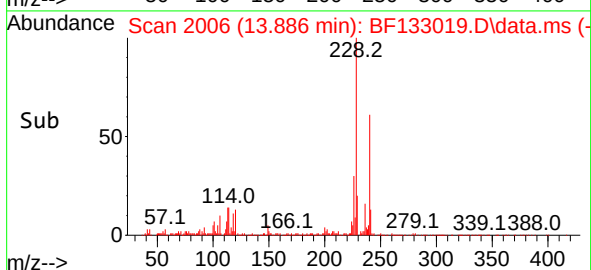
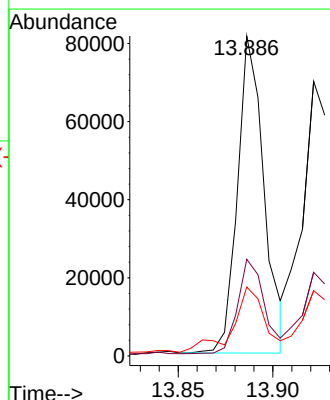
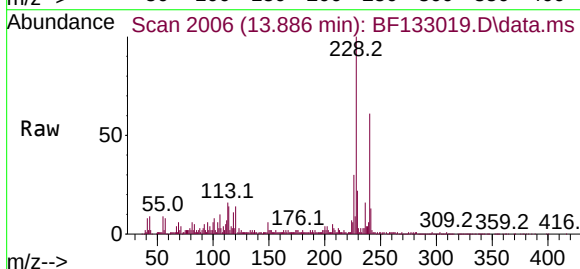
Tgt Ion:228 Resp: 78934

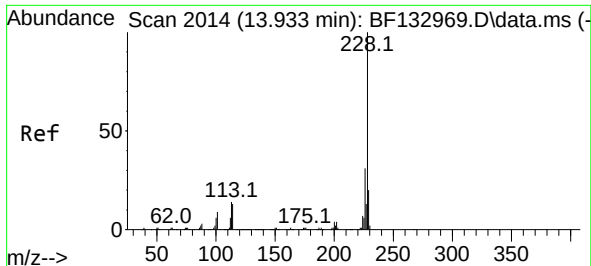
Ion Ratio Lower Upper

228 100

226 30.2 22.2 33.4

229 21.6 16.0 24.0





#83
Chrysene
Concen: 2.260 ng
RT: 13.921 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF133019.D
Acq: 25 Apr 2023 03:28

Instrument :

BNA_F

ClientSampleId :

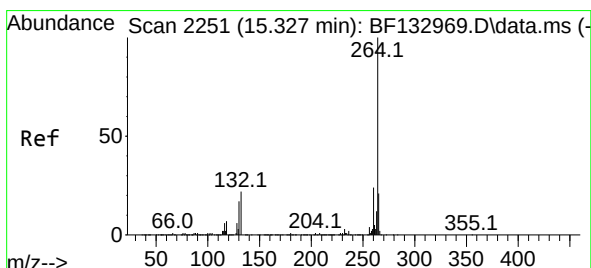
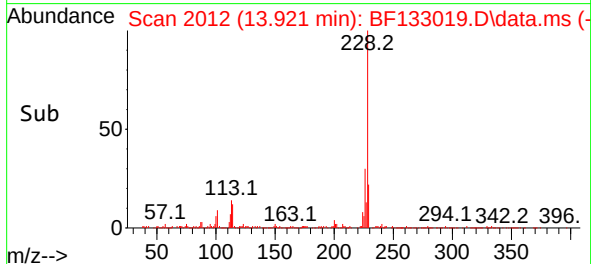
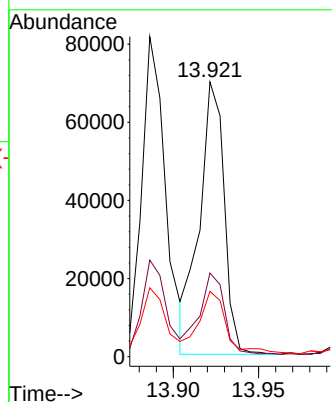
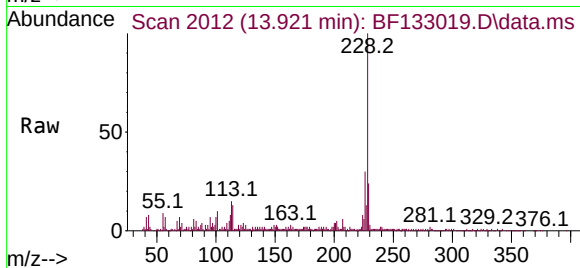
SB-02-COMP

Tgt Ion:228 Resp: 70478
Ion Ratio Lower Upper
228 100
226 30.5 24.7 37.1
229 23.8 16.1 24.1

Manual Integrations

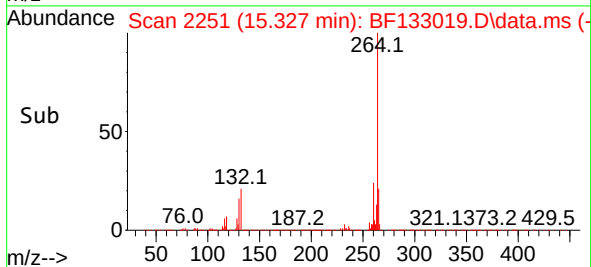
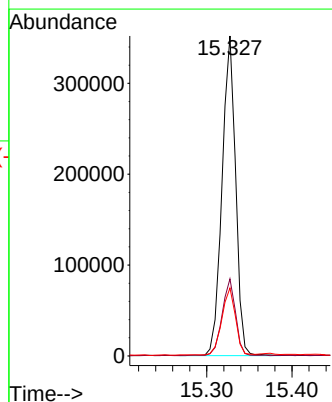
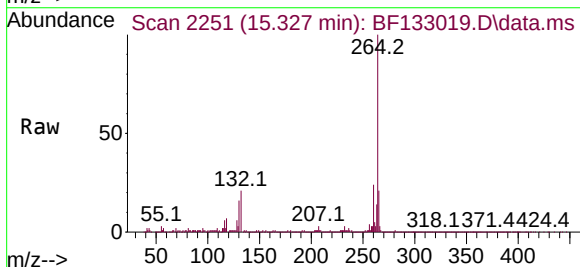
APPROVED

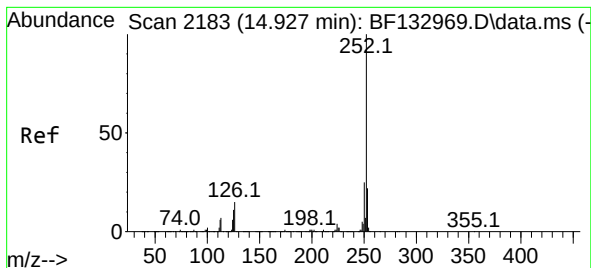
Reviewed By :Christian Giraldo 04/25/2023
Supervised By :Jagrut Upadhyay 04/25/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.327 min Scan# 2251
Delta R.T. 0.000 min
Lab File: BF133019.D
Acq: 25 Apr 2023 03:28

Tgt Ion:264 Resp: 389985
Ion Ratio Lower Upper
264 100
260 24.1 18.8 28.2
265 21.3 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 3.709 ng m

RT: 14.916 min Scan# 2183

Delta R.T. -0.012 min

Lab File: BF133019.D

Acq: 25 Apr 2023 03:28

Instrument :

BNF

ClientSampleId :

SB-02-COMP

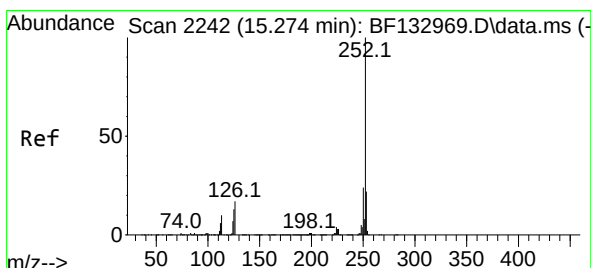
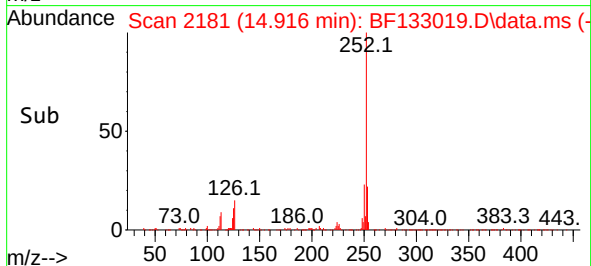
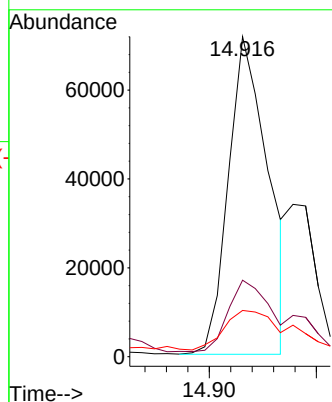
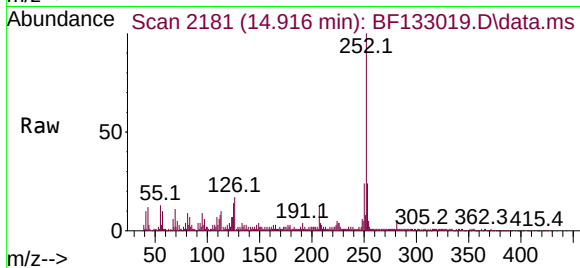
Tgt Ion:252 Resp: 9203
 Ion Ratio Lower Upper
 252 100
 253 23.9 17.6 26.4
 125 14.5 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/25/2023

Supervised By :Jagrut Upadhyay 04/25/2023



#90

Benzo(a)pyrene

Concen: 2.649 ng

RT: 15.263 min Scan# 2240

Delta R.T. -0.012 min

Lab File: BF133019.D

Acq: 25 Apr 2023 03:28

Tgt Ion:252 Resp: 59817
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.7 26.5
 125 16.8 10.5 15.7

