

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022323\
 Data File : BF132533.D
 Acq On : 23 Feb 2023 22:00
 Operator : CG\JU
 Sample : 01650-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-2-022223

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/24/2023
 Supervised By : Jagrut Upadhyay 02/24/2023

Quant Time: Feb 24 00:41:14 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 23 00:59:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.007	152	145595	20.000	ng	0.00
21) Naphthalene-d8	8.295	136	512457	20.000	ng	0.00
39) Acenaphthene-d10	10.054	164	235894	20.000	ng	0.00
64) Phenanthrene-d10	11.548	188	358488	20.000	ng	0.00
76) Chrysene-d12	14.207	240	295846	20.000	ng	-0.01
86) Perylene-d12	15.760	264	241043	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.637	112	685453	76.409	ng	0.00
7) Phenol-d6	6.631	99	877292	74.932	ng	-0.01
23) Nitrobenzene-d5	7.572	82	566375	52.436	ng	0.00
42) 2,4,6-Tribromophenol	10.848	330	158754	62.316	ng	-0.01
45) 2-Fluorobiphenyl	9.366	172	869145	56.102	ng	-0.01
79) Terphenyl-d14	13.142	244	759013	43.377	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.572	178	155919	8.396	ng	97
75) Fluoranthene	12.772	202	266865	13.145	ng	98
78) Pyrene	13.001	202	300244	11.162	ng	100
81) Benzo(a)anthracene	14.195	228	136693	6.175	ng	95
83) Chrysene	14.230	228	153229	7.402	ng	98
87) Indeno(1,2,3-cd)pyrene	17.359	276	53133	3.364	ng	96
88) Benzo(b)fluoranthene	15.295	252	157259m	9.735	ng	
89) Benzo(k)fluoranthene	15.324	252	36471m	2.307	ng	
90) Benzo(a)pyrene	15.695	252	108104	7.151	ng	98
92) Benzo(g,h,i)perylene	17.842	276	56078	5.341	ng	97

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

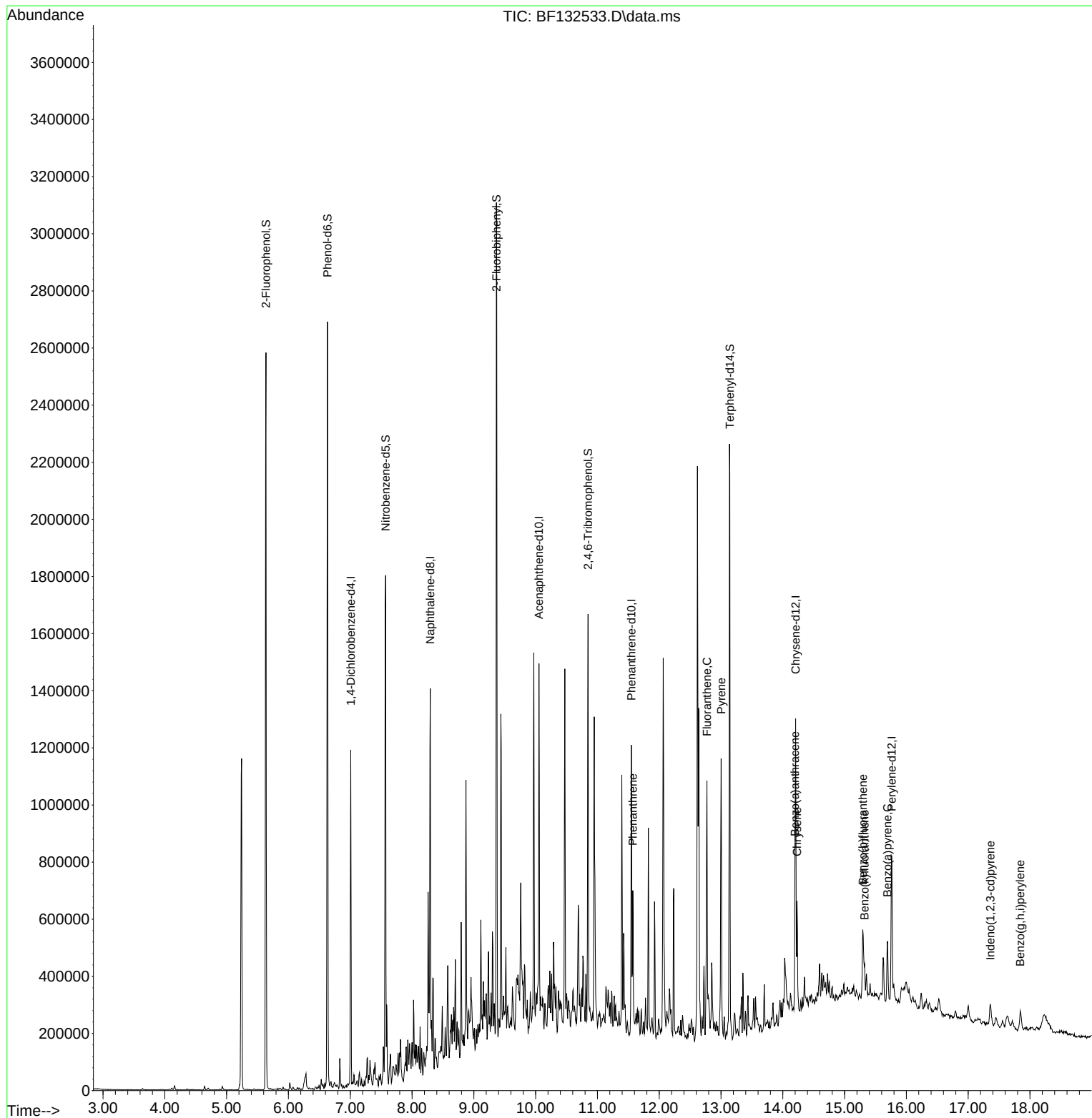
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022323\
Data File : BF132533.D
Acq On : 23 Feb 2023 22:00
Operator : CG\JU
Sample : 01650-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

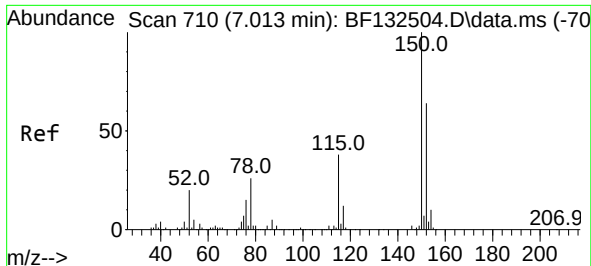
Instrument :
BNA_F
ClientSampleId :
BU-2-022223

Quant Time: Feb 24 00:41:14 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 23 00:59:42 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

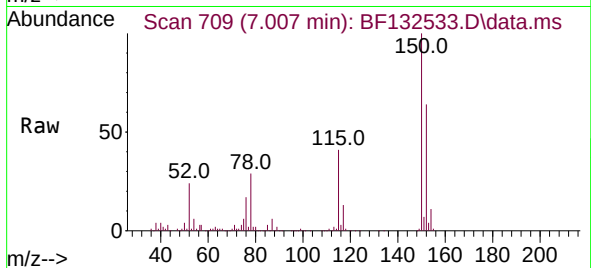
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.007 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF132533.D
Acq: 23 Feb 2023 22:00

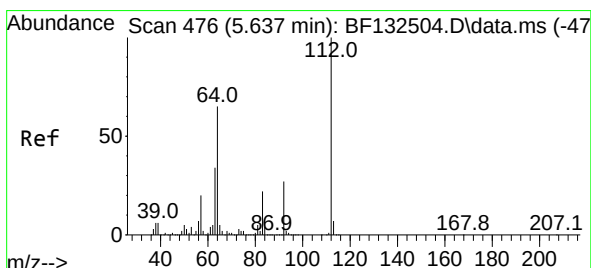
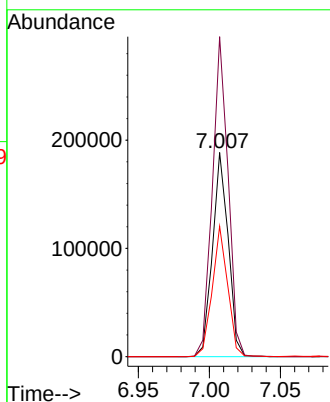
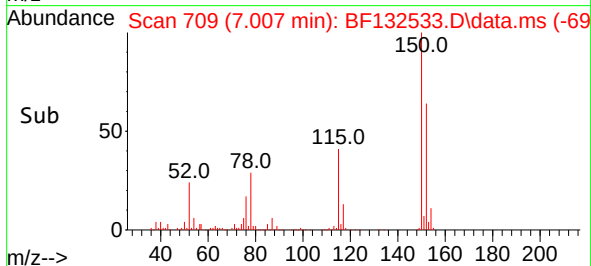
Instrument :
BNA_F
ClientSampleId :
BU-2-022223



Tgt Ion:152 Resp: 145595
Ion Ratio Lower Upper
152 100
150 156.8 125.4 188.2
115 63.8 47.8 71.6

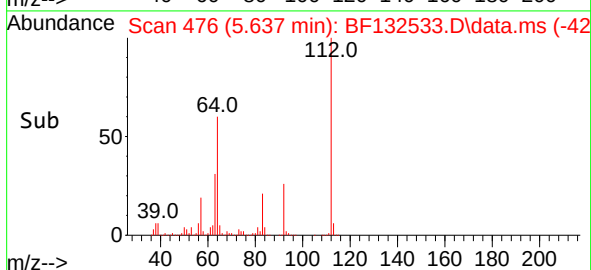
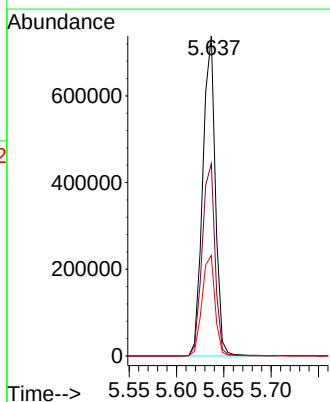
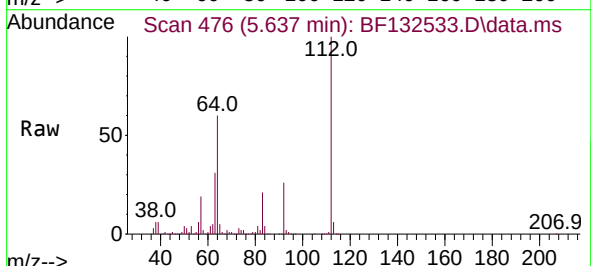
Manual Integrations
APPROVED

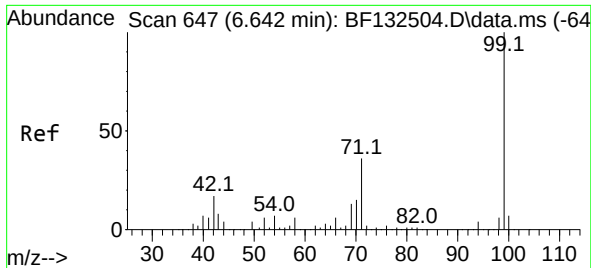
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023



#5
2-Fluorophenol
Concen: 76.409 ng
RT: 5.637 min Scan# 476
Delta R.T. 0.000 min
Lab File: BF132533.D
Acq: 23 Feb 2023 22:00

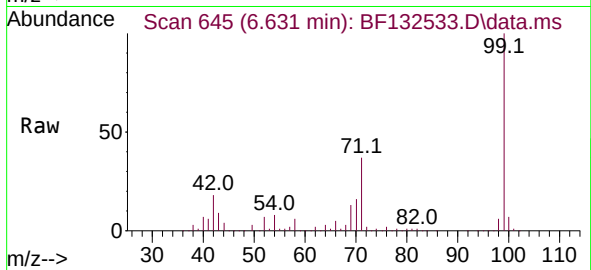
Tgt Ion:112 Resp: 685453
Ion Ratio Lower Upper
112 100
64 60.0 51.6 77.4
63 31.4 27.4 41.2





#7
Phenol-d6
Concen: 74.932 ng
RT: 6.631 min Scan# 647
Delta R.T. -0.012 min
Lab File: BF132533.D
Acq: 23 Feb 2023 22:00

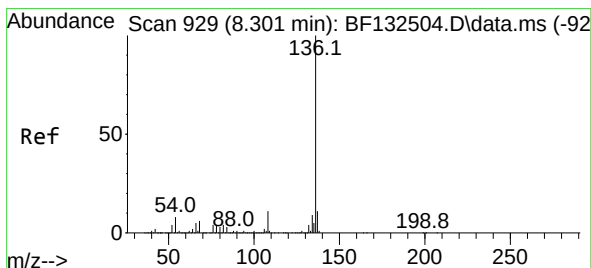
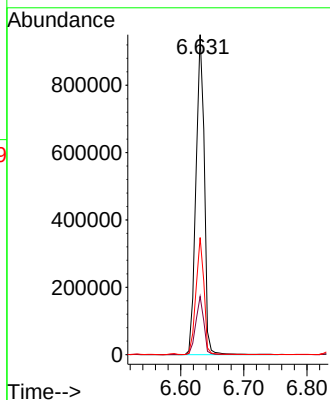
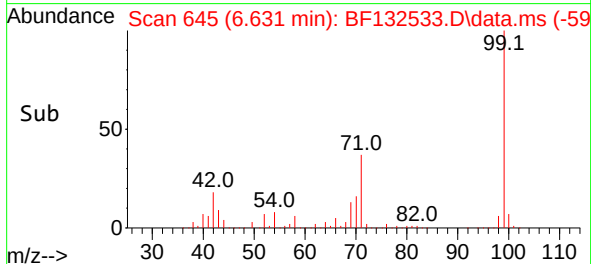
Instrument :
BNA_F
ClientSampleId :
BU-2-022223



Tgt Ion: 99 Resp: 877292
Ion Ratio Lower Upper
99 100
42 18.2 13.9 20.9
71 36.6 28.5 42.7

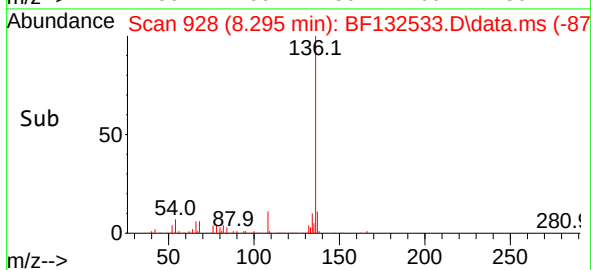
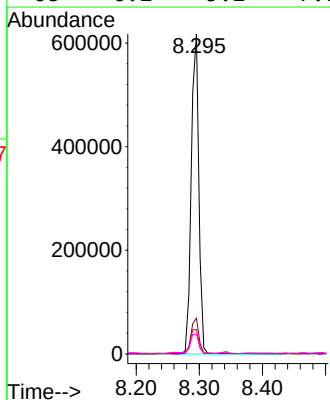
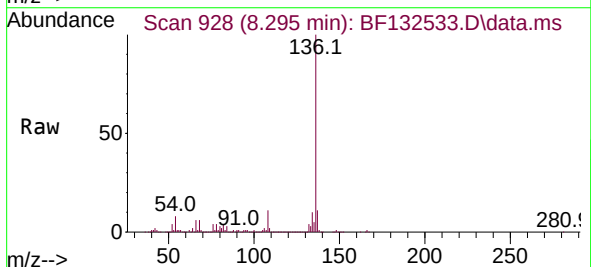
Manual Integrations
APPROVED

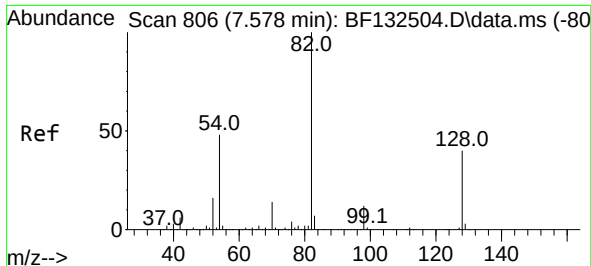
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.295 min Scan# 928
Delta R.T. -0.006 min
Lab File: BF132533.D
Acq: 23 Feb 2023 22:00

Tgt Ion:136 Resp: 512457
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 7.6 6.2 9.4
68 6.2 5.2 7.8





#23

Nitrobenzene-d5

Concen: 52.436 ng

RT: 7.572 min Scan# 806

Delta R.T. -0.006 min

Lab File: BF132533.D

Acq: 23 Feb 2023 22:00

Instrument :

BNA_F

ClientSampleId :

BU-2-022223

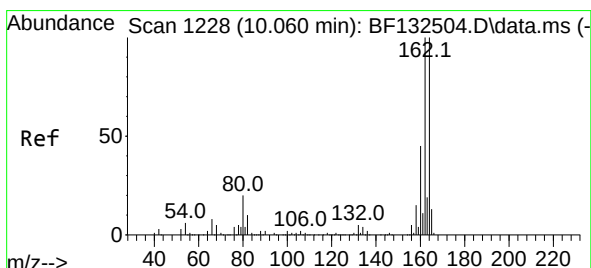
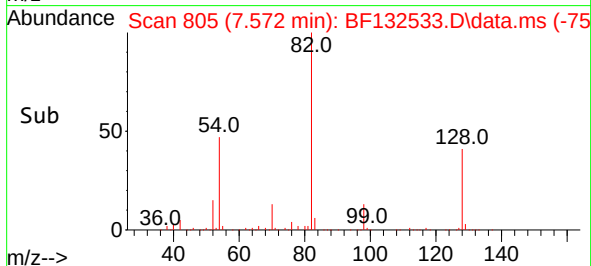
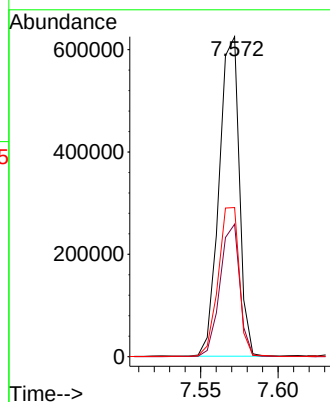
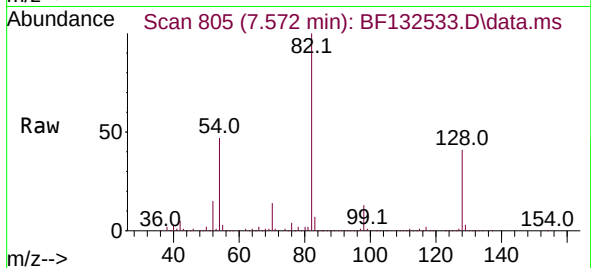
Tgt Ion: 82 Resp: 566375

Ion	Ratio	Lower	Upper
82	100		
128	41.4	32.2	48.2
54	46.6	38.4	57.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.054 min Scan# 1227

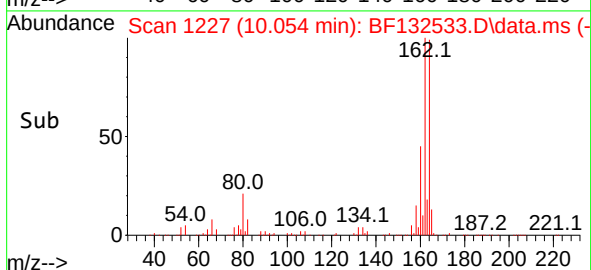
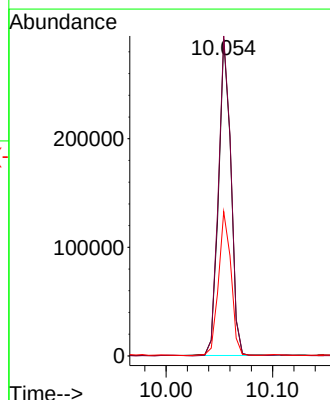
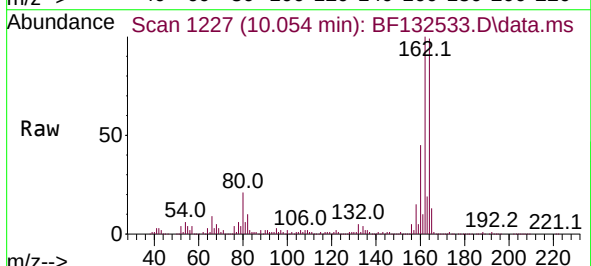
Delta R.T. -0.006 min

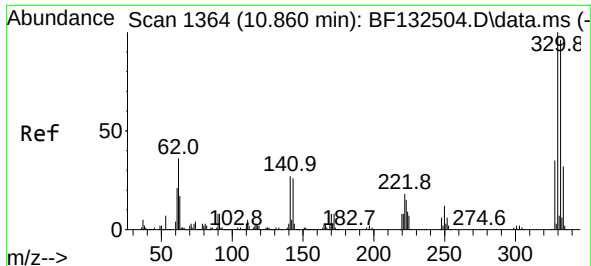
Lab File: BF132533.D

Acq: 23 Feb 2023 22:00

Tgt Ion:164 Resp: 235894

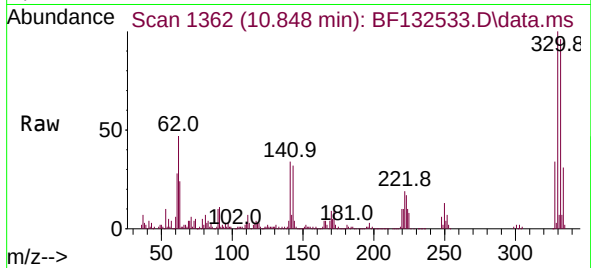
Ion	Ratio	Lower	Upper
164	100		
162	101.0	79.8	119.8
160	45.6	35.8	53.6





#42
2,4,6-Tribromophenol
Concen: 62.316 ng
RT: 10.848 min Scan# 1110
Delta R.T. -0.012 min
Lab File: BF132533.D
Acq: 23 Feb 2023 22:00

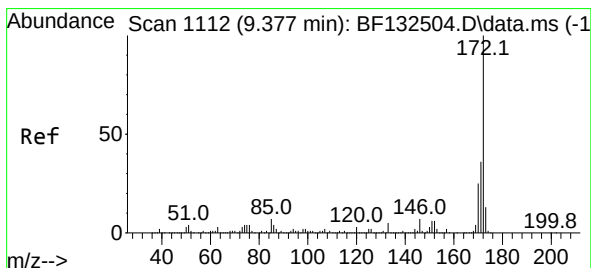
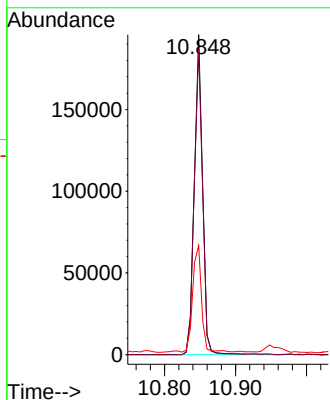
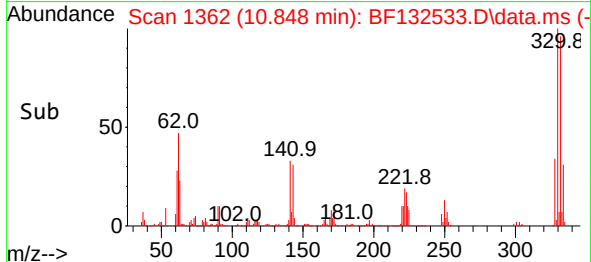
Instrument :
BNA_F
ClientSampleId :
BU-2-022223



Tgt Ion: 330 Resp: 158754
Ion Ratio Lower Upper
330 100
332 96.3 76.2 114.4
141 36.2 28.4 42.6

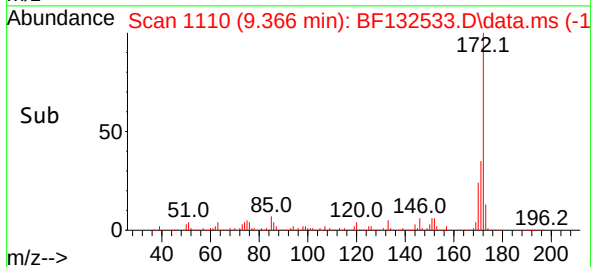
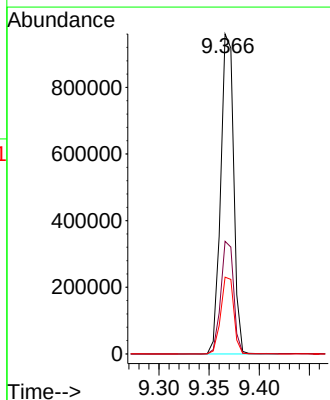
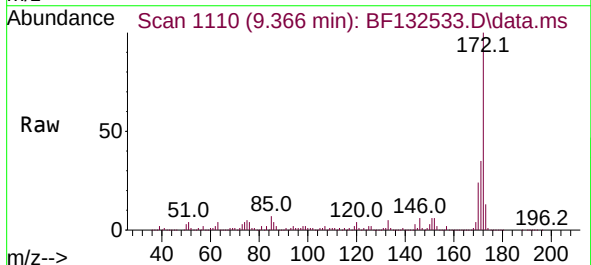
Manual Integrations
APPROVED

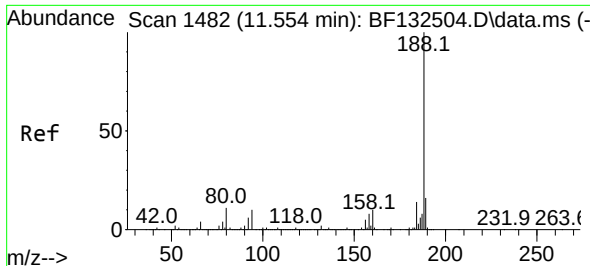
Reviewed By : Christian Giraldo 02/24/2023
Supervised By : Jagrut Upadhyay 02/24/2023



#45
2-Fluorobiphenyl
Concen: 56.102 ng
RT: 9.366 min Scan# 1110
Delta R.T. -0.011 min
Lab File: BF132533.D
Acq: 23 Feb 2023 22:00

Tgt Ion: 172 Resp: 869145
Ion Ratio Lower Upper
172 100
171 35.2 28.8 43.2
170 24.0 19.7 29.5





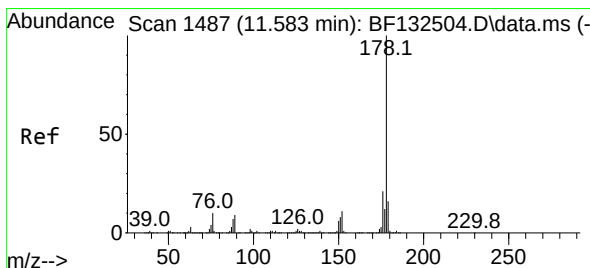
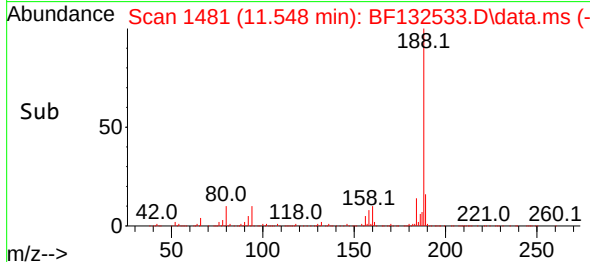
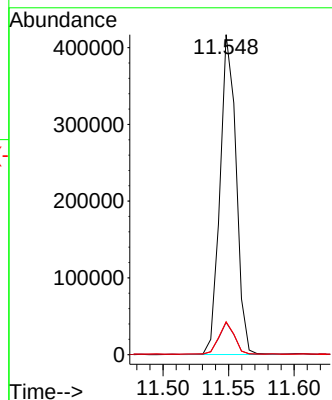
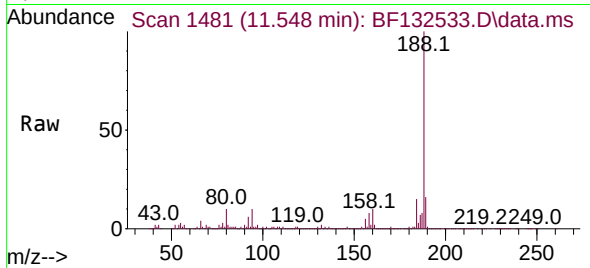
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.548 min Scan# 1481
Delta R.T. -0.006 min
Lab File: BF132533.D
Acq: 23 Feb 2023 22:00

Instrument :
BNA_F
ClientSampleId :
BU-2-022223

Tgt Ion:188 Resp: 358488
Ion Ratio Lower Upper
188 100
94 10.1 8.3 12.5
80 10.3 8.7 13.1

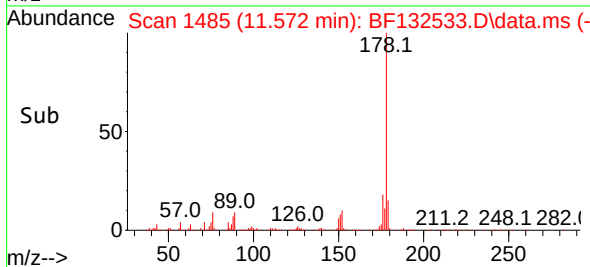
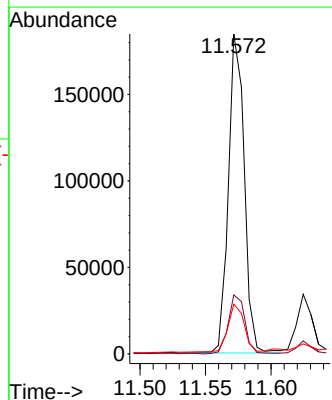
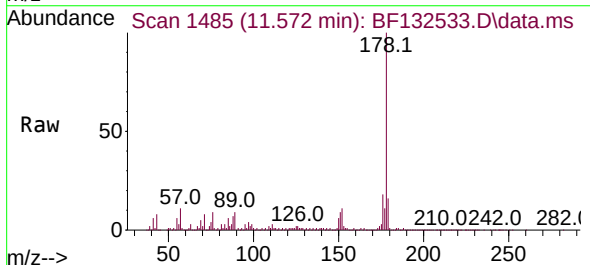
Manual Integrations
APPROVED

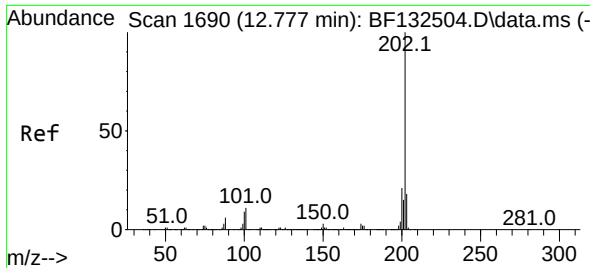
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023



#71
Phenanthrene
Concen: 8.396 ng
RT: 11.572 min Scan# 1485
Delta R.T. -0.012 min
Lab File: BF132533.D
Acq: 23 Feb 2023 22:00

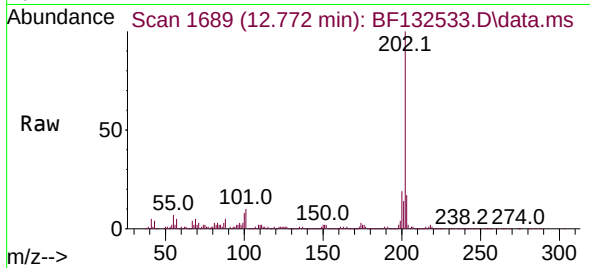
Tgt Ion:178 Resp: 155919
Ion Ratio Lower Upper
178 100
176 18.4 16.5 24.7
179 15.5 13.0 19.6





#75
Fluoranthene
Concen: 13.145 ng
RT: 12.772 min Scan# 1690
Delta R.T. -0.006 min
Lab File: BF132533.D
Acq: 23 Feb 2023 22:00

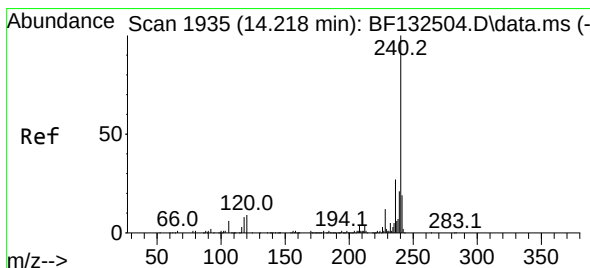
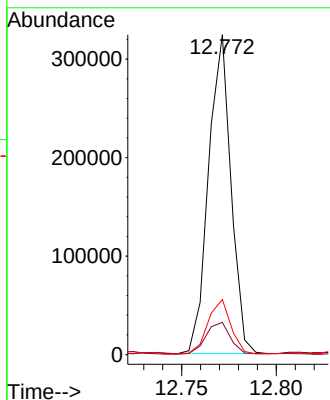
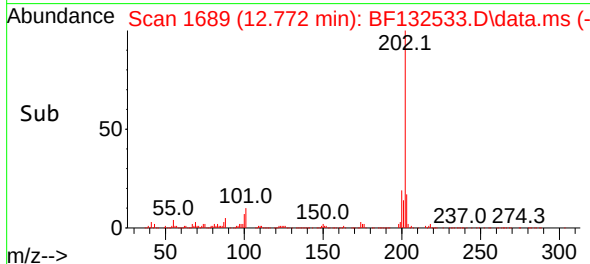
Instrument :
BNA_F
ClientSampleId :
BU-2-022223



Tgt Ion:202 Resp: 266865
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.4
203 17.2 0.0 38.0

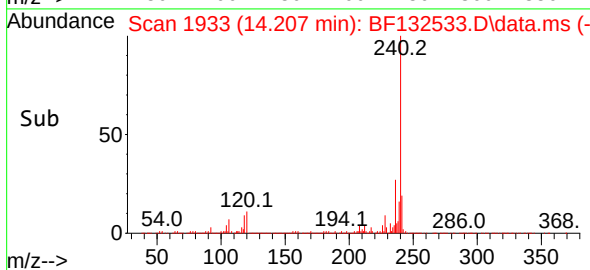
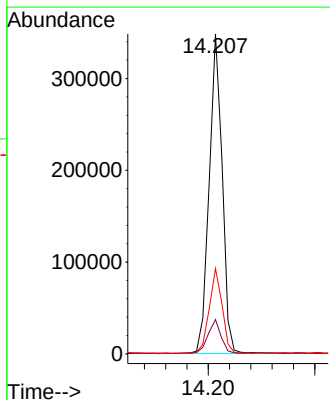
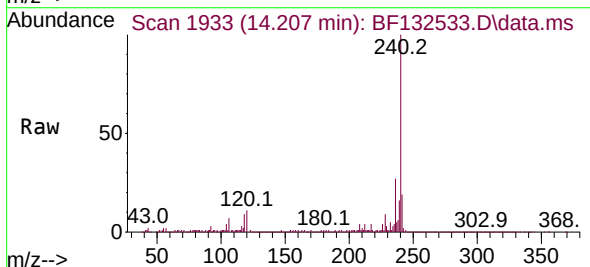
Manual Integrations
APPROVED

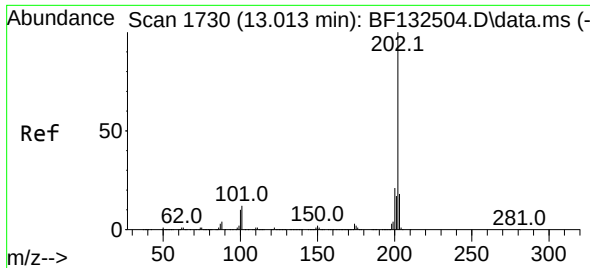
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.207 min Scan# 1933
Delta R.T. -0.012 min
Lab File: BF132533.D
Acq: 23 Feb 2023 22:00

Tgt Ion:240 Resp: 295846
Ion Ratio Lower Upper
240 100
120 10.7 7.2 10.8
236 26.7 21.8 32.6





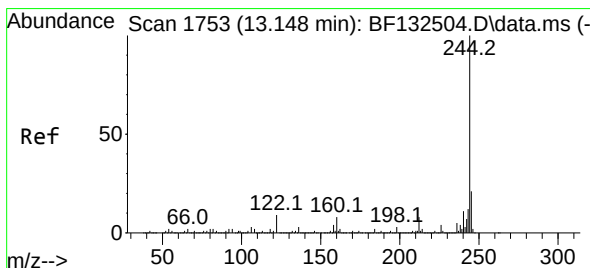
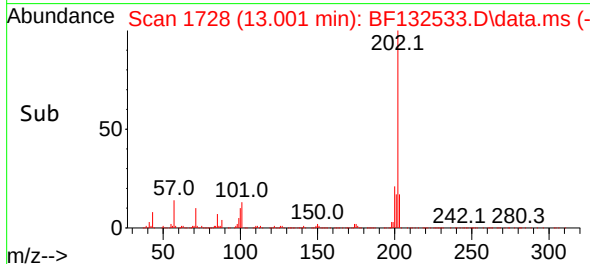
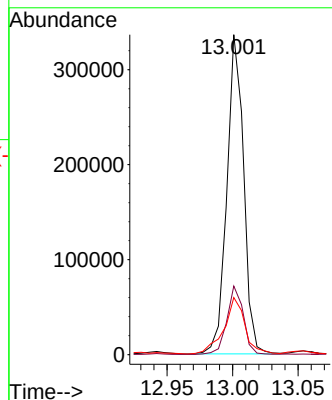
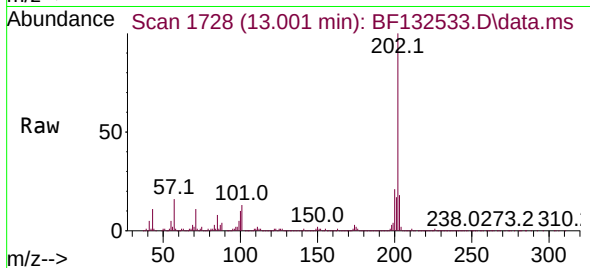
#78
Pyrene
Concen: 11.162 ng
RT: 13.001 min Scan# 1728
Delta R.T. -0.012 min
Lab File: BF132533.D
Acq: 23 Feb 2023 22:00

Instrument :
BNA_F
ClientSampleId :
BU-2-022223

Tgt Ion:202 Resp: 300244
Ion Ratio Lower Upper
202 100
200 21.4 17.1 25.7
203 17.8 14.6 21.8

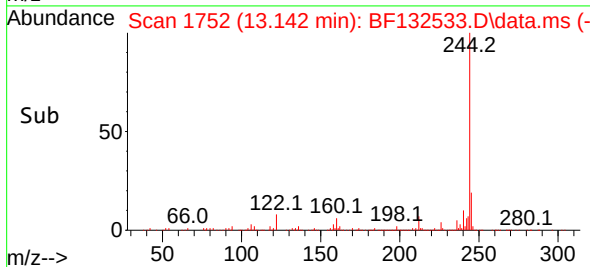
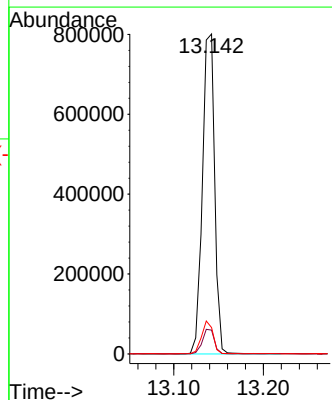
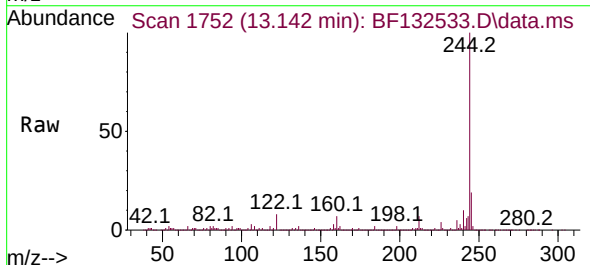
Manual Integrations
APPROVED

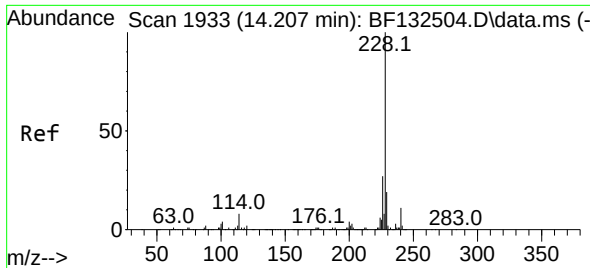
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023



#79
Terphenyl-d14
Concen: 43.377 ng
RT: 13.142 min Scan# 1752
Delta R.T. -0.006 min
Lab File: BF132533.D
Acq: 23 Feb 2023 22:00

Tgt Ion:244 Resp: 759013
Ion Ratio Lower Upper
244 100
212 7.4 6.5 9.7
122 8.2 7.5 11.3





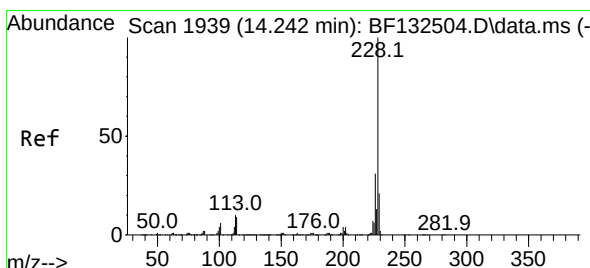
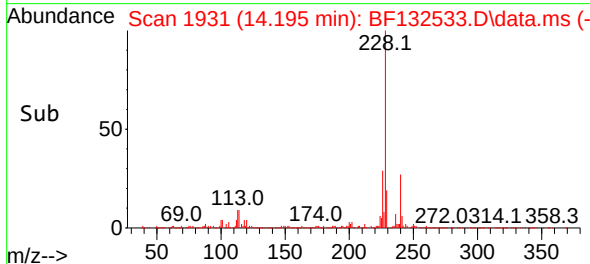
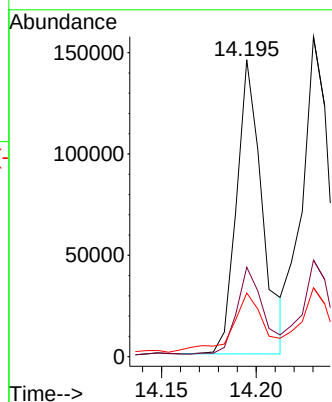
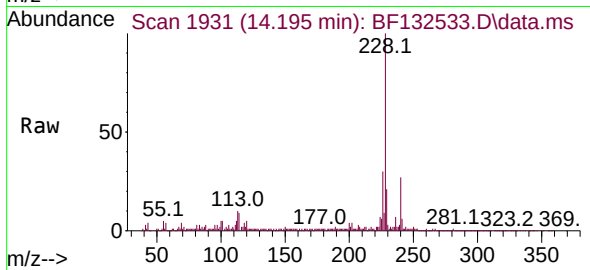
#81
Benzo(a)anthracene
Concen: 6.175 ng
RT: 14.195 min Scan# 1931
Delta R.T. -0.012 min
Lab File: BF132533.D
Acq: 23 Feb 2023 22:00

Instrument :
BNA_F
ClientSampleId :
BU-2-022223

Tgt Ion:228 Resp: 136693
Ion Ratio Lower Upper
228 100
226 30.1 21.7 32.5
229 21.4 15.4 23.2

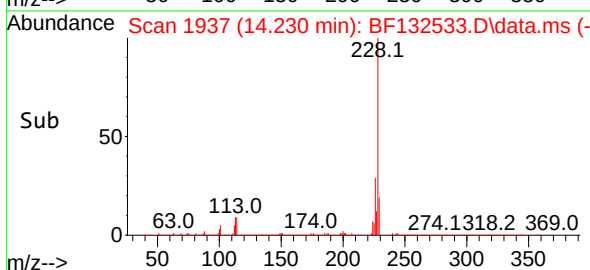
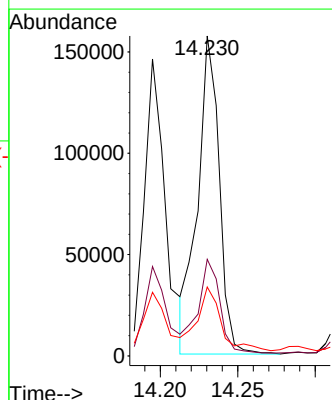
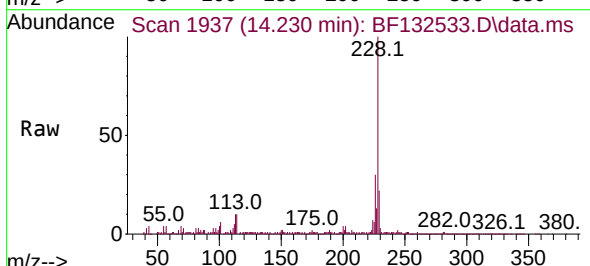
Manual Integrations
APPROVED

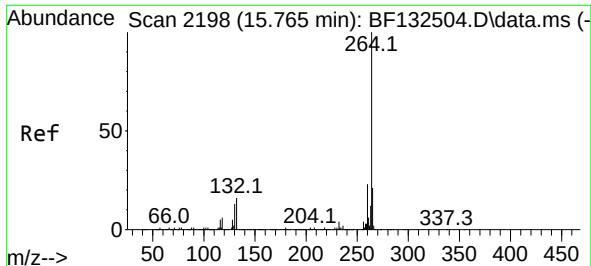
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023



#83
Chrysene
Concen: 7.402 ng
RT: 14.230 min Scan# 1937
Delta R.T. -0.012 min
Lab File: BF132533.D
Acq: 23 Feb 2023 22:00

Tgt Ion:228 Resp: 153229
Ion Ratio Lower Upper
228 100
226 30.2 25.0 37.6
229 21.5 16.4 24.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.760 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF132533.D
Acq: 23 Feb 2023 22:00

Instrument :

BNA_F

ClientSampleId :

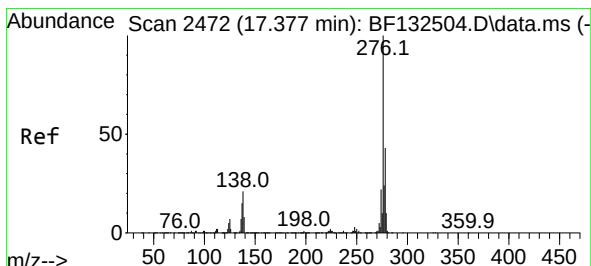
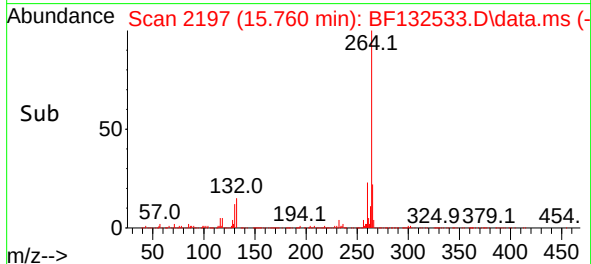
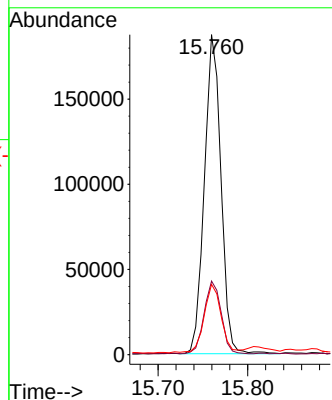
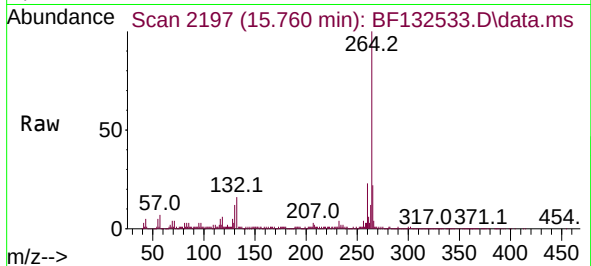
BU-2-022223

Tgt Ion:264 Resp: 241043
Ion Ratio Lower Upper
264 100
260 23.0 18.8 28.2
265 21.9 17.1 25.7

Manual Integrations

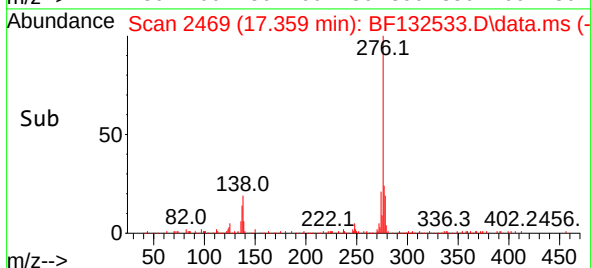
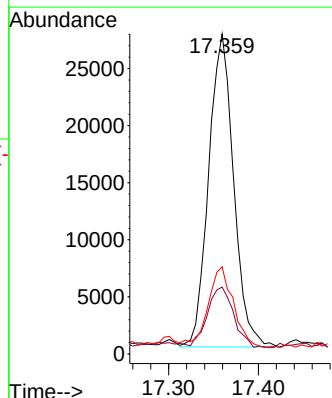
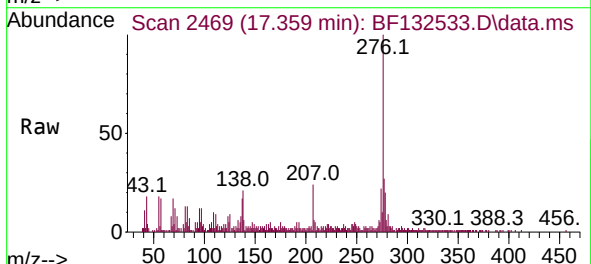
APPROVED

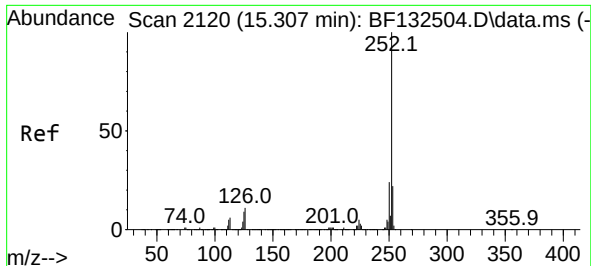
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.364 ng
RT: 17.359 min Scan# 2469
Delta R.T. -0.018 min
Lab File: BF132533.D
Acq: 23 Feb 2023 22:00

Tgt Ion:276 Resp: 53133
Ion Ratio Lower Upper
276 100
138 20.4 19.0 28.4
277 26.0 20.0 30.0





#88
Benzo(b)fluoranthene
Concen: 9.735 ng m
RT: 15.295 min Scan# 2118
Delta R.T. -0.012 min
Lab File: BF132533.D
Acq: 23 Feb 2023 22:00

Instrument :

BNA_F

ClientSampleId :

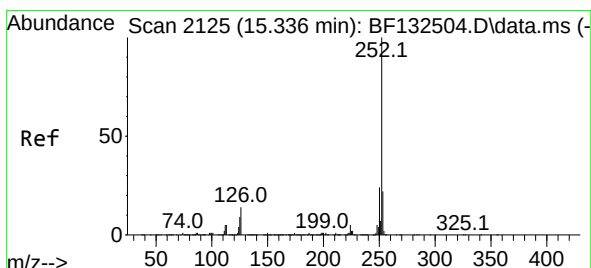
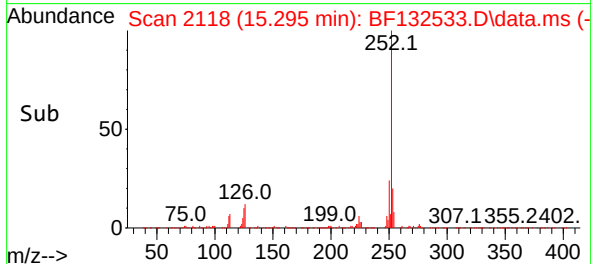
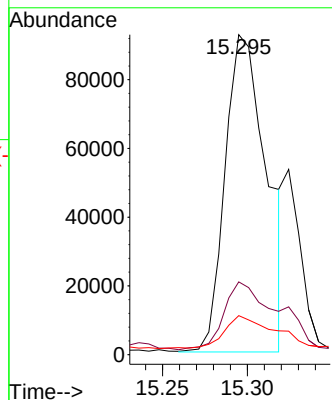
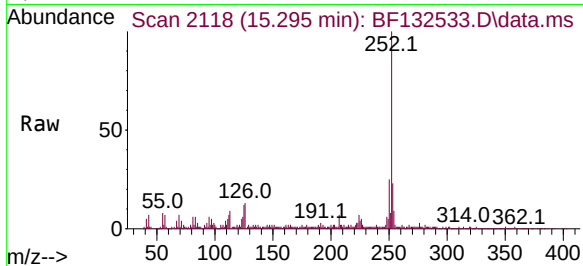
BU-2-022223

Tgt Ion:252 Resp: 157259
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.0
125 12.2 7.0 10.6

Manual Integrations

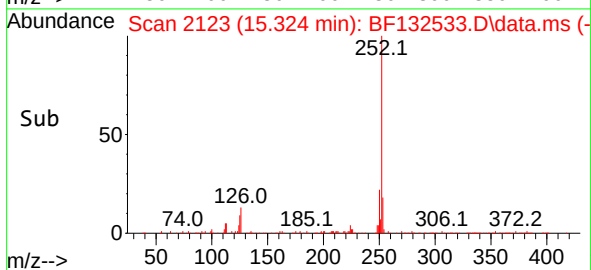
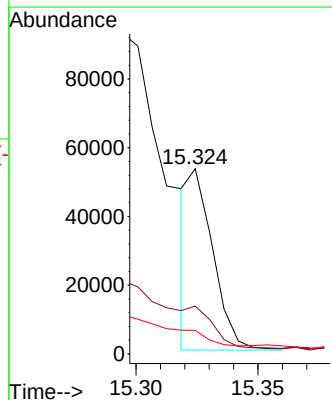
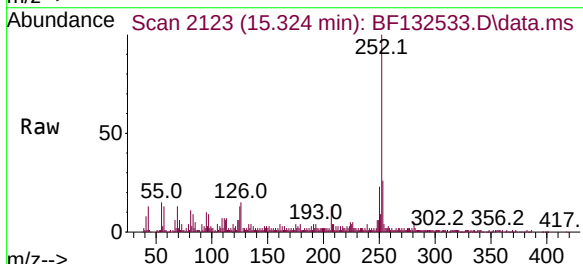
APPROVED

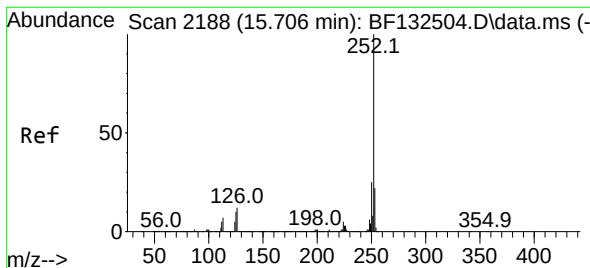
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023



#89
Benzo(k)fluoranthene
Concen: 2.307 ng m
RT: 15.324 min Scan# 2123
Delta R.T. -0.012 min
Lab File: BF132533.D
Acq: 23 Feb 2023 22:00

Tgt Ion:252 Resp: 36471
Ion Ratio Lower Upper
252 100
253 25.8 17.5 26.3
125 12.6 7.2 10.8





#90

Benzo(a)pyrene

Concen: 7.151 ng

RT: 15.695 min Scan# 2188

Delta R.T. -0.012 min

Lab File: BF132533.D

Acq: 23 Feb 2023 22:00

Instrument :

BNA_F

ClientSampleId :

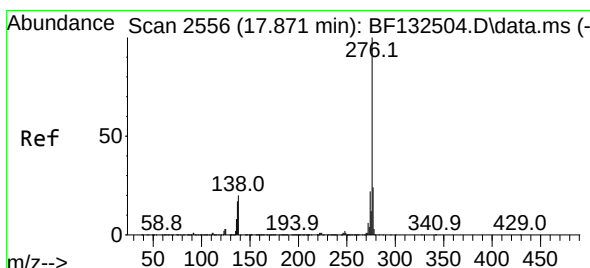
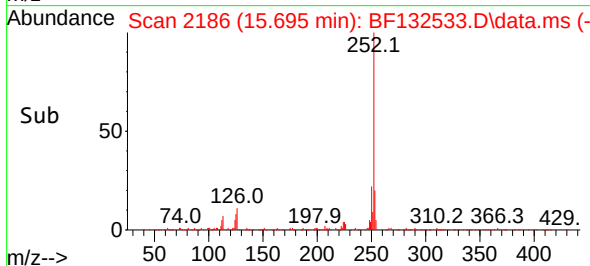
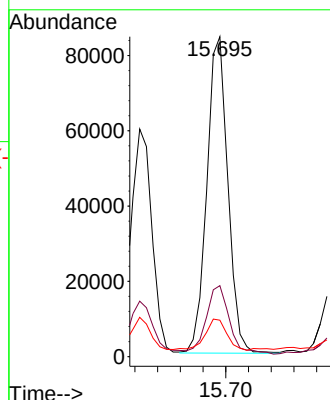
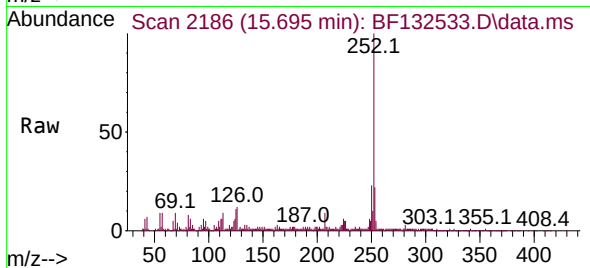
BU-2-022223

Tgt Ion:	252	Resp:	108104
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.2	25.8
125	11.4	8.0	12.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023



#92

Benzo(g,h,i)perylene

Concen: 5.341 ng

RT: 17.842 min Scan# 2551

Delta R.T. -0.029 min

Lab File: BF132533.D

Acq: 23 Feb 2023 22:00

Tgt Ion:	276	Resp:	56078
Ion Ratio	Lower	Upper	
276	100		
277	25.5	18.9	28.3
138	21.5	16.2	24.4

