

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052422\
 Data File : BF128442.D
 Acq On : 24 May 2022 18:44
 Operator : CG\JU
 Sample : N2981-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-13(0.5-1)

Quant Time: May 25 03:55:57 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 03:52:53 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 05/25/2022
 Supervised By :Jagrut Upadhyay 05/25/2022

Supervised By :Jagrut
 Upadhyay
 05/25/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							05/25/2022
1) 1,4-Dichlorobenzene-d4	6.845	152	92179	20.000	ng	0.00	Supervised By :Jagrut Upadhyay
21) Naphthalene-d8	8.128	136	350647	20.000	ng	0.00	
39) Acenaphthene-d10	9.880	164	181211	20.000	ng	0.00	
64) Phenanthrene-d10	11.374	188	276812	20.000	ng	0.00	
76) Chrysene-d12	14.027	240	202543	20.000	ng	0.00	
86) Perylene-d12	15.510	264	159633	20.000	ng	0.00	05/25/2022
System Monitoring Compounds							
5) 2-Fluorophenol	5.475	112	562157	97.050	ng	0.00	
7) Phenol-d6	6.487	99	732040	95.975	ng	0.00	
23) Nitrobenzene-d5	7.410	82	516891	66.047	ng	-0.01	
42) 2,4,6-Tribromophenol	10.680	330	143741	76.915	ng	0.00	
45) 2-Fluorobiphenyl	9.204	172	756979	68.313	ng	0.00	
79) Terphenyl-d14	12.963	244	606059	57.763	ng	0.00	
Target Compounds						Qvalue	
71) Phenanthrene	11.398	178	70326	5.206	ng	96	
75) Fluoranthene	12.592	202	166064	11.351	ng	98	
78) Pyrene	12.821	202	154517	10.189	ng	99	
81) Benzo(a)anthracene	14.015	228	135084	10.483	ng	98	
83) Chrysene	14.051	228	137036	11.165	ng	98	
87) Indeno(1,2,3-cd)pyrene	17.009	276	81965	8.996	ng	96	
88) Benzo(b)fluoranthene	15.074	252	199314m	20.072	ng		
89) Benzo(k)fluoranthene	15.098	252	60052m	6.457	ng		
90) Benzo(a)pyrene	15.445	252	135921	17.051	ng	99	
91) Dibenzo(a,h)anthracene	17.004	278	24878m	3.403	ng		
92) Benzo(g,h,i)perylene	17.468	276	80653	10.575	ng	99	

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052422\
Data File : BF128442.D
Acq On : 24 May 2022 18:44
Operator : CG\JU
Sample : N2981-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 25 03:55:57 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 25 03:52:53 2022
Response via : Initial Calibration

Instrument :

BNA_F

ClientSampleId :

SB-13(0.5-1)

Manual Integrations

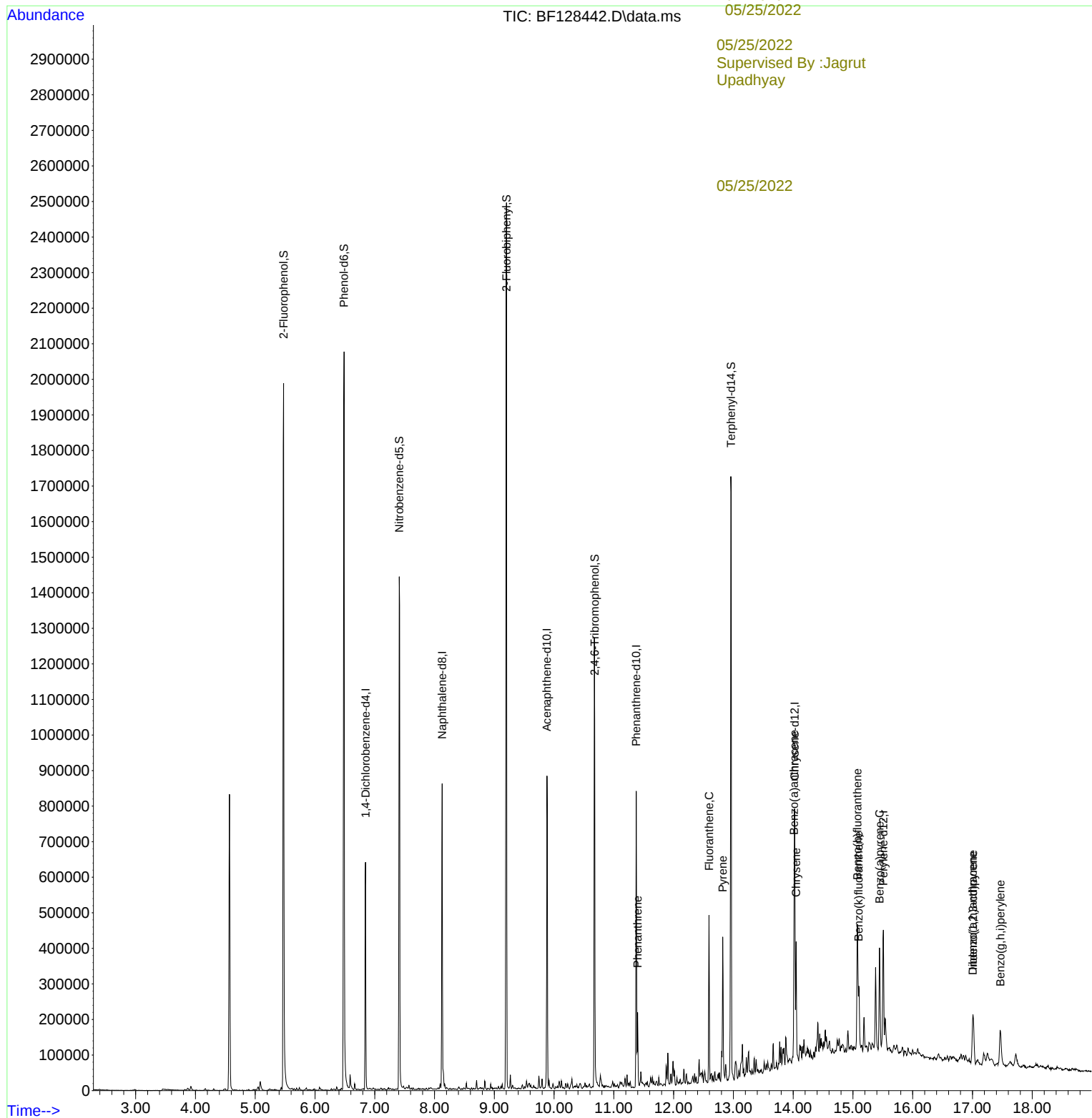
APPROVED

Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

Supervised By :Jagrut
Upadhyay
05/25/2022

05/25/2022
Supervised By :Jagrut
Upadhyay

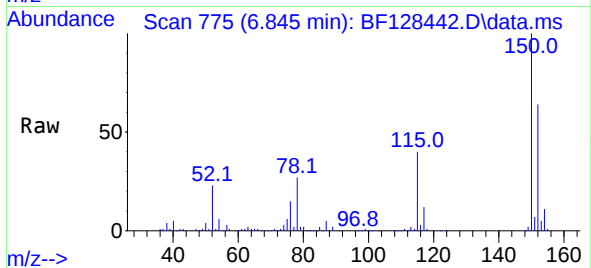
05/25/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF128442.D
Acq: 24 May 2022 18:44

Instrument :
BNA_F
ClientSampleId :
SB-13(0.5-1)



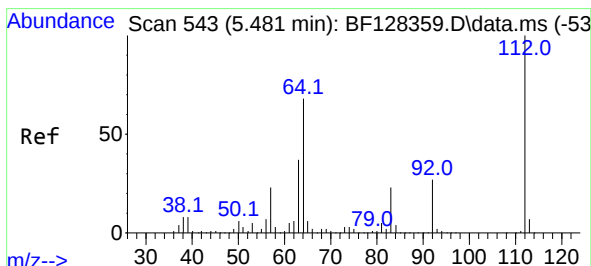
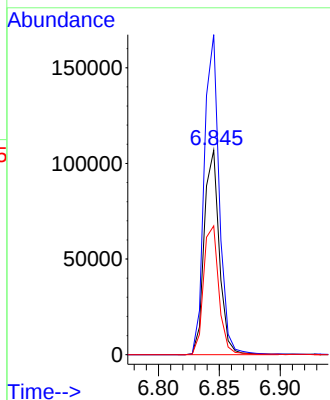
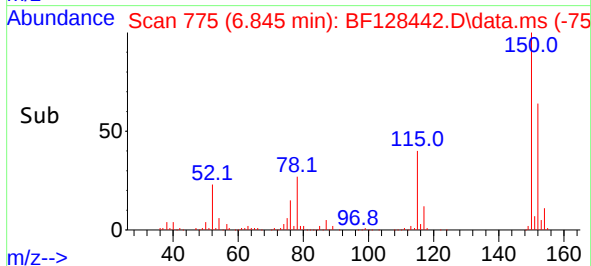
Tgt Ion:152 Resp: 92179
Ion Ratio Lower Upper
152 100
150 156.6 125.3 187.9
115 63.0 48.8 73.2

Manual Integrations
APPROVED

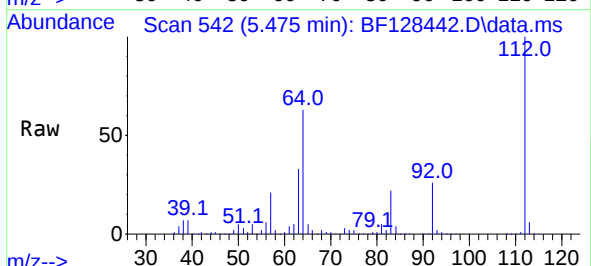
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

Supervised By :Jagrut
Upadhyay
05/25/2022

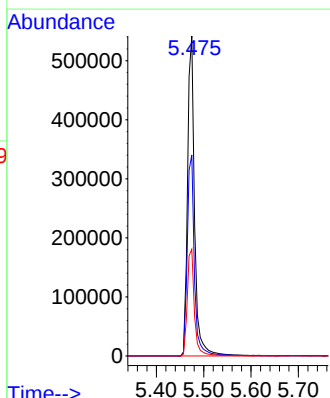
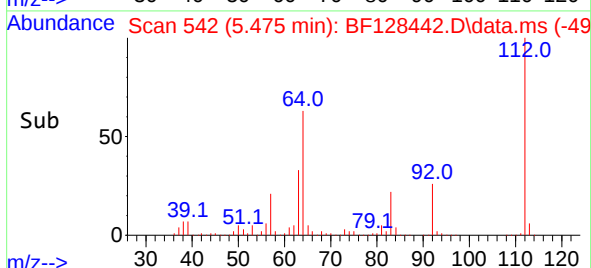
05/25/2022
Supervised By :Jagrut
Upadhyay

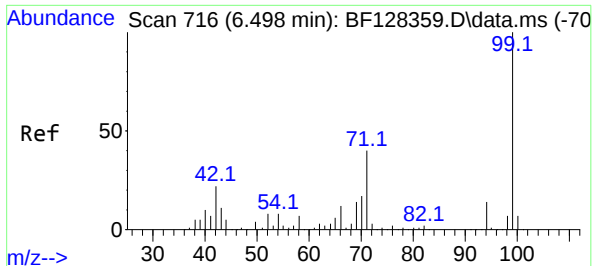


#5
2-Fluorophenol
Concen: 97.050 ng
RT: 5.475 min Scan# 542
Delta R.T. 0.006 min
Lab File: BF128442.D
Acq: 24 May 2022 18:44



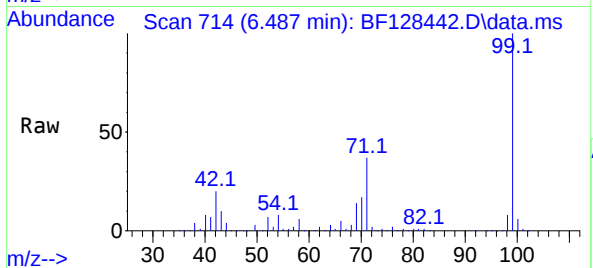
Tgt Ion:112 Resp: 562157
Ion Ratio Lower Upper
112 100
64 62.8 49.5 74.3
63 33.4 26.3 39.5





#7
Phenol-d6
Concen: 95.975 ng
RT: 6.487 min Scan# 716
Delta R.T. -0.006 min
Lab File: BF128442.D
Acq: 24 May 2022 18:44

Instrument :
BNA_F
ClientSampleId :
SB-13(0.5-1)



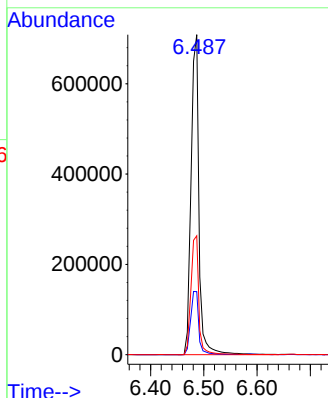
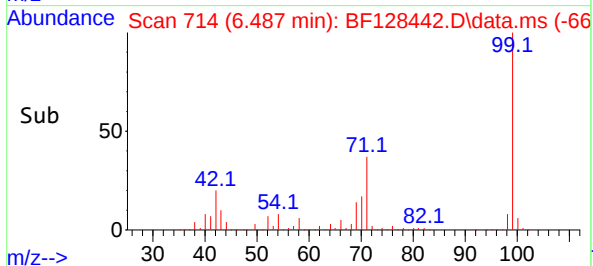
Tgt Ion: 99 Resp: 732040
Ion Ratio Lower Upper
99 100
42 19.7 16.6 24.8
71 37.1 30.0 45.0

Manual Integrations
APPROVED

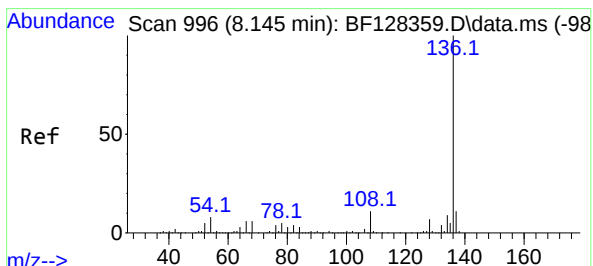
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

Supervised By :Jagrut
Upadhyay
05/25/2022

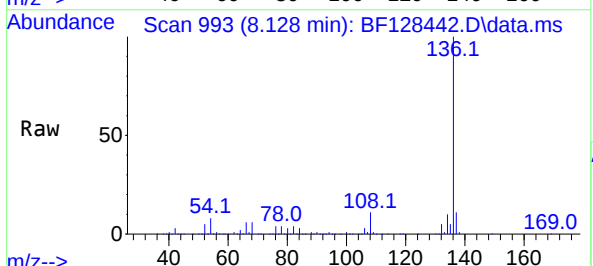
05/25/2022
Supervised By :Jagrut
Upadhyay



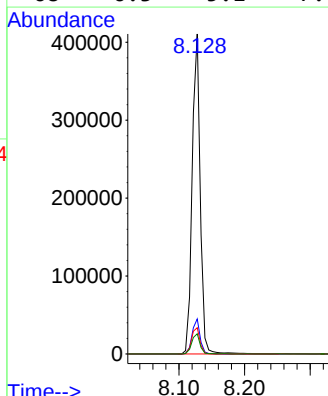
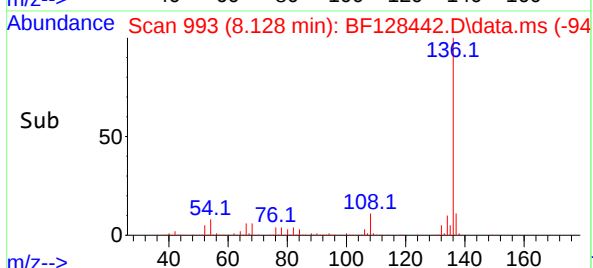
05/25/2022

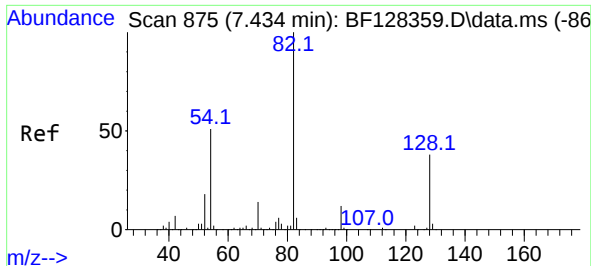


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 993
Delta R.T. -0.000 min
Lab File: BF128442.D
Acq: 24 May 2022 18:44



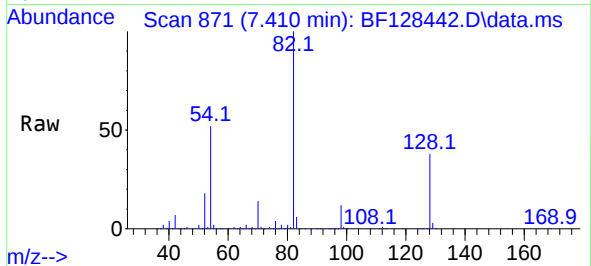
Tgt Ion:136 Resp: 350647
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.2 6.8 10.2
68 6.3 5.1 7.7





#23
Nitrobenzene-d5
Concen: 66.047 ng
RT: 7.410 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF128442.D
Acq: 24 May 2022 18:44

Instrument :
BNA_F
ClientSampleId :
SB-13(0.5-1)



Tgt Ion: 82 Resp: 51689
Ion Ratio Lower Upper
82 100
128 37.7 30.0 45.0
54 52.2 41.3 61.9

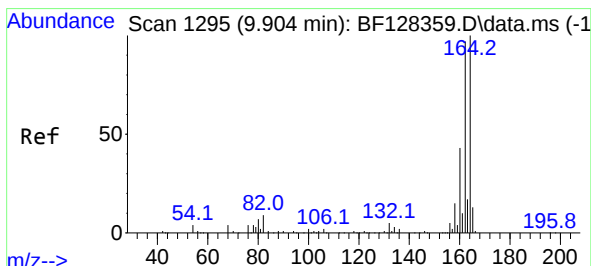
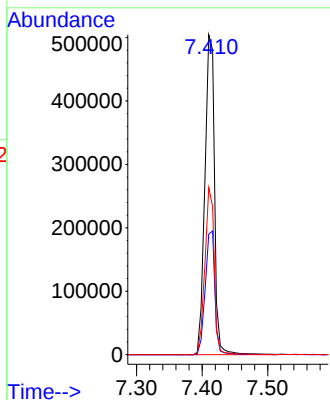
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

Supervised By :Jagrut
Upadhyay
05/25/2022

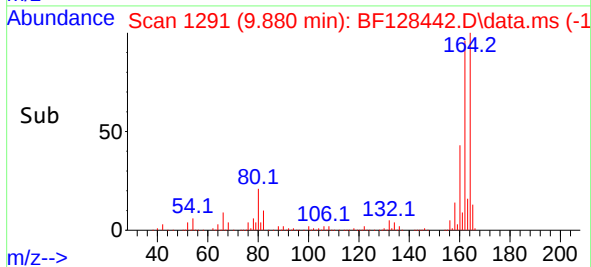
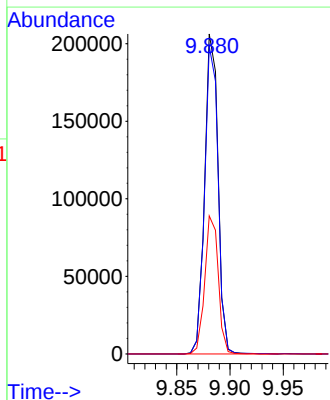
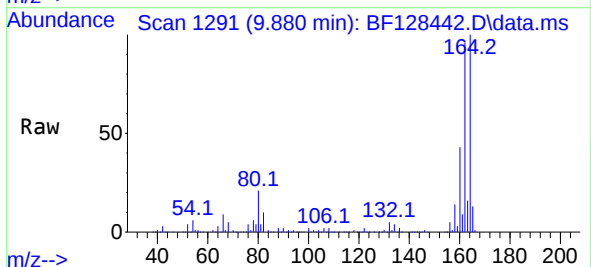
05/25/2022
Supervised By :Jagrut
Upadhyay

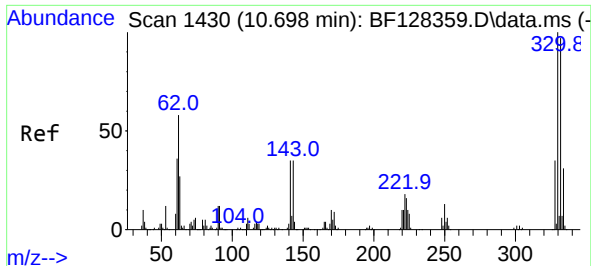
05/25/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1291
Delta R.T. -0.006 min
Lab File: BF128442.D
Acq: 24 May 2022 18:44

Tgt Ion:164 Resp: 181211
Ion Ratio Lower Upper
164 100
162 96.2 76.0 114.0
160 43.1 34.8 52.2





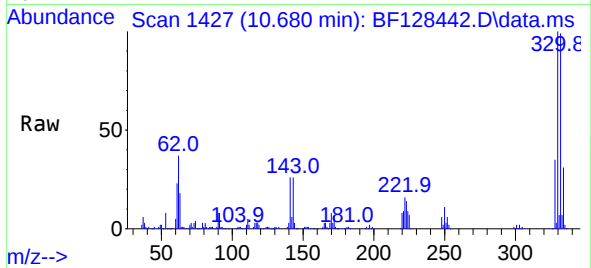
#42
2,4,6-Tribromophenol
Concen: 76.915 ng
RT: 10.680 min Scan# 1430
Delta R.T. -0.006 min
Lab File: BF128442.D
Acq: 24 May 2022 18:44

Instrument :

BNA_F

ClientSampleId :

SB-13(0.5-1)



Tgt Ion: 330 Resp: 14374
Ion Ratio Lower Upper
330 100
332 97.3 79.0 118.4
141 35.1 28.9 43.3

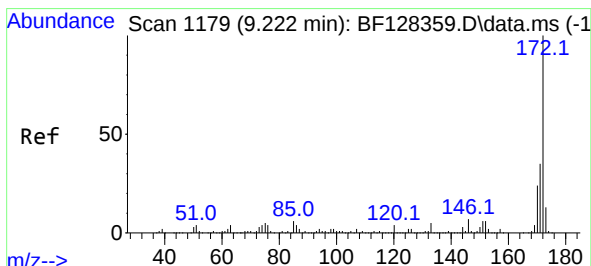
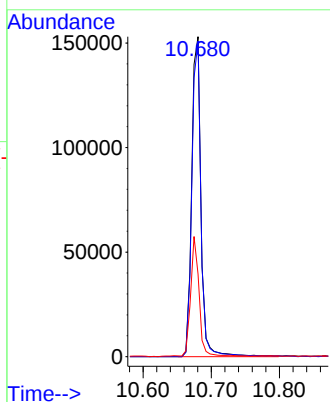
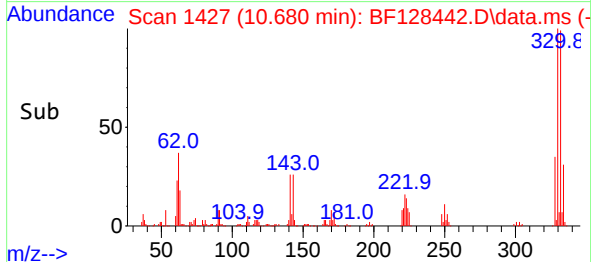
Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 05/25/2022
Supervised By : Jagrut Upadhyay 05/25/2022

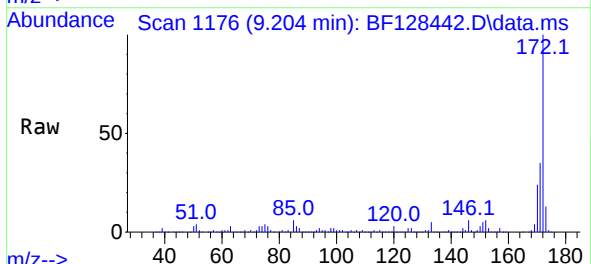
Supervised By : Jagrut
Upadhyay
05/25/2022

05/25/2022
Supervised By : Jagrut
Upadhyay

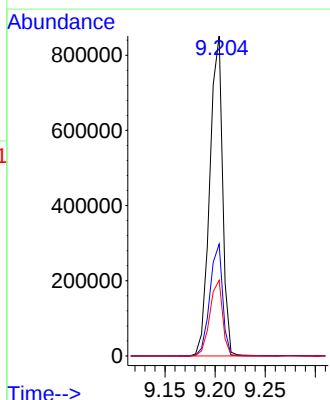
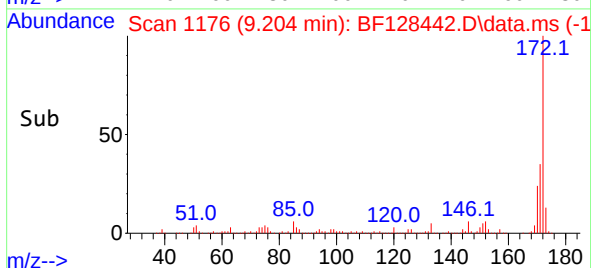
05/25/2022



#45
2-Fluorobiphenyl
Concen: 68.313 ng
RT: 9.204 min Scan# 1176
Delta R.T. -0.000 min
Lab File: BF128442.D
Acq: 24 May 2022 18:44



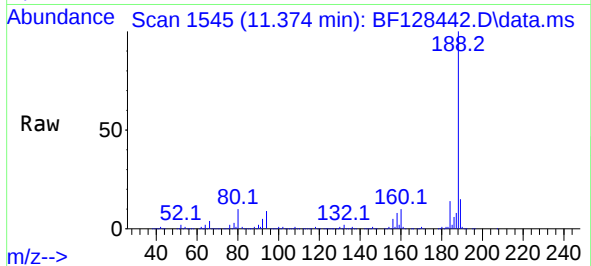
Tgt Ion: 172 Resp: 756979
Ion Ratio Lower Upper
172 100
171 34.9 28.6 42.8
170 23.7 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128442.D
Acq: 24 May 2022 18:44

Instrument :
BNA_F
ClientSampleId :
SB-13(0.5-1)



Tgt Ion:188 Resp: 276812
Ion Ratio Lower Upper
188 100
94 9.0 8.0 12.0
80 9.9 8.9 13.3

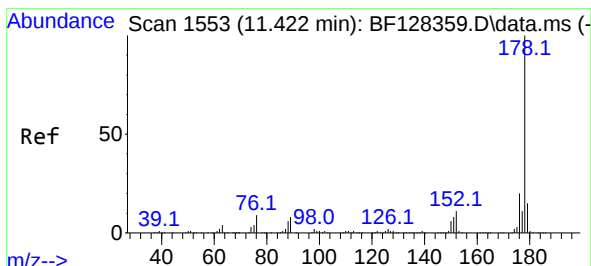
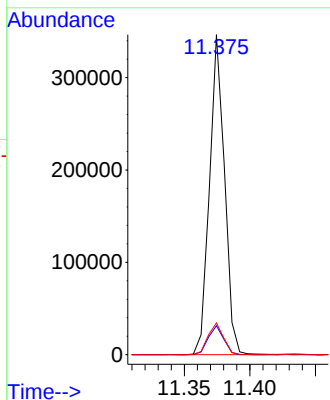
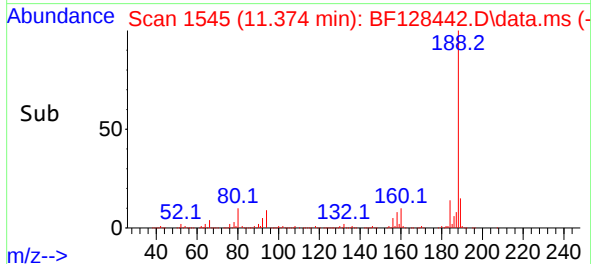
Manual Integrations APPROVED

Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

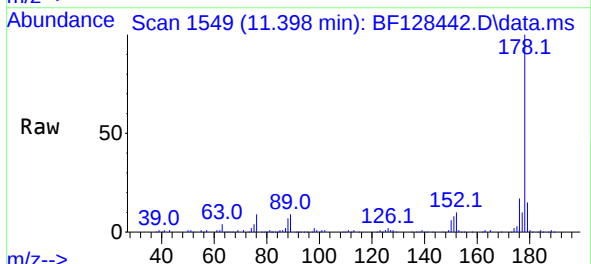
Supervised By :Jagrut
Upadhyay
05/25/2022

05/25/2022
Supervised By :Jagrut
Upadhyay

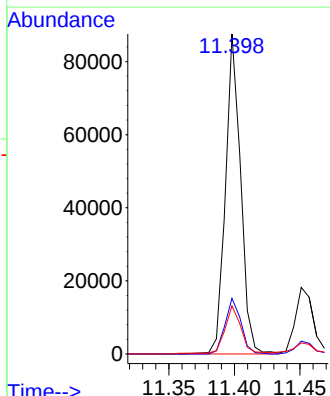
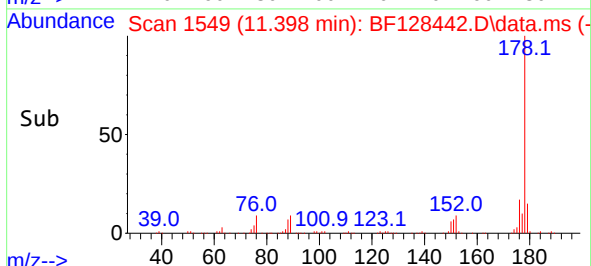
05/25/2022

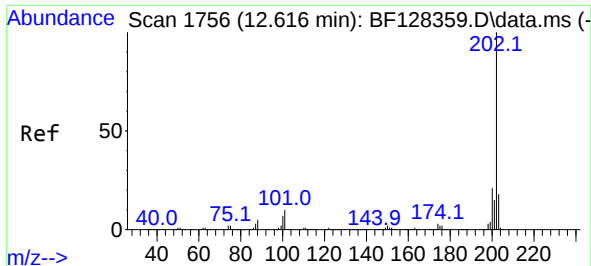


#71
Phenanthrene
Concen: 5.206 ng
RT: 11.398 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BF128442.D
Acq: 24 May 2022 18:44



Tgt Ion:178 Resp: 70326
Ion Ratio Lower Upper
178 100
176 17.3 15.7 23.5
179 15.0 12.6 19.0





#75
Fluoranthene
Concen: 11.351 ng
RT: 12.592 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128442.D
Acq: 24 May 2022 18:44

Instrument :

BNA_F

ClientSampleId :

SB-13(0.5-1)

Tgt Ion:202 Resp: 166064
Ion Ratio Lower Upper
202 100
101 10.7 0.0 31.6
203 17.1 0.0 38.1

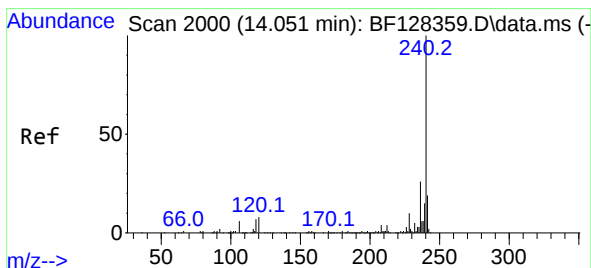
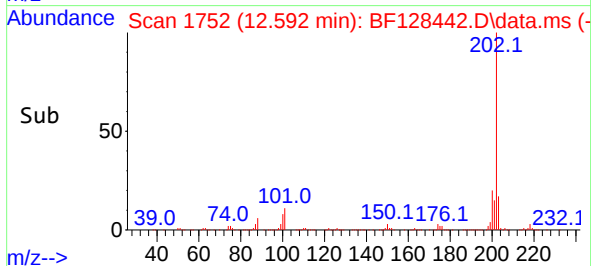
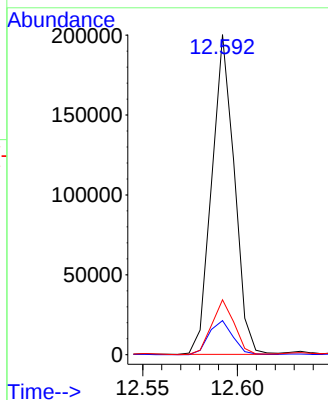
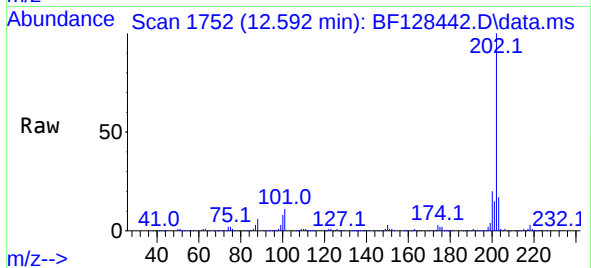
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

Supervised By :Jagrut
Upadhyay
05/25/2022

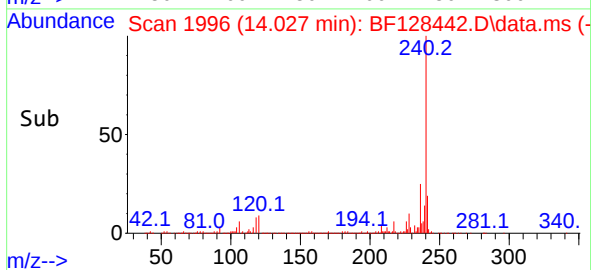
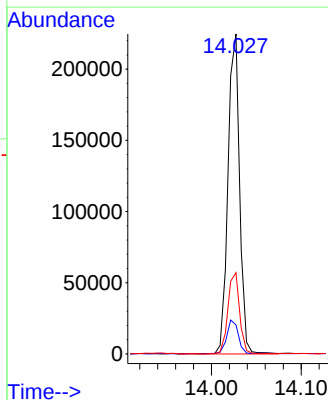
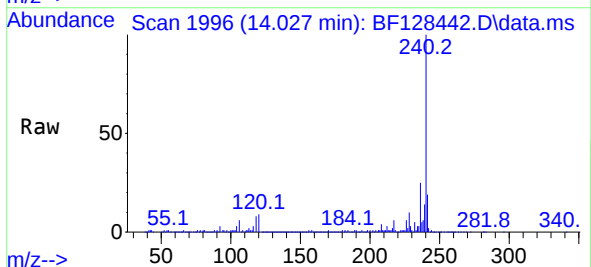
05/25/2022
Supervised By :Jagrut
Upadhyay

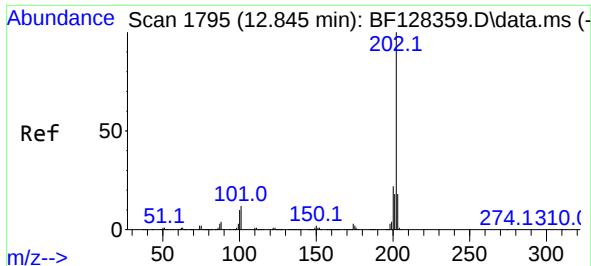
05/25/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BF128442.D
Acq: 24 May 2022 18:44

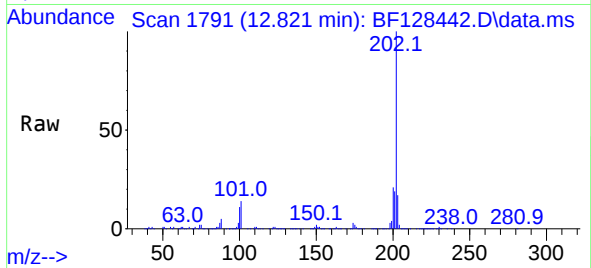
Tgt Ion:240 Resp: 202543
Ion Ratio Lower Upper
240 100
120 9.1 7.0 10.6
236 25.4 20.3 30.5





#78
Pyrene
Concen: 10.189 ng
RT: 12.821 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128442.D
Acq: 24 May 2022 18:44

Instrument :
BNA_F
ClientSampleId :
SB-13(0.5-1)



Tgt Ion:202 Resp: 15451
Ion Ratio Lower Upper
202 100
200 21.1 17.4 26.2
203 17.3 14.0 21.0

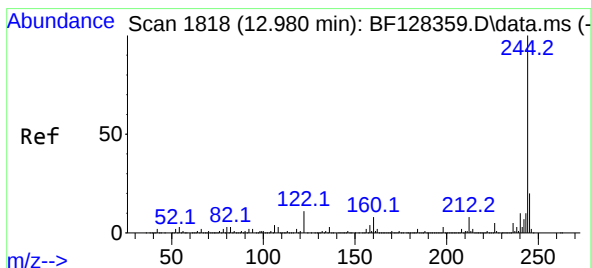
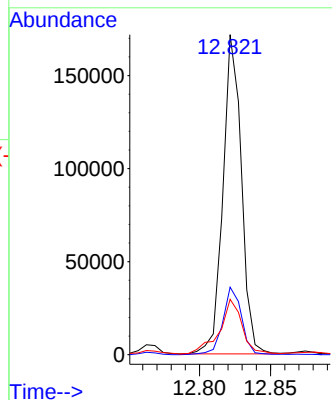
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

Supervised By :Jagrut
Upadhyay
05/25/2022

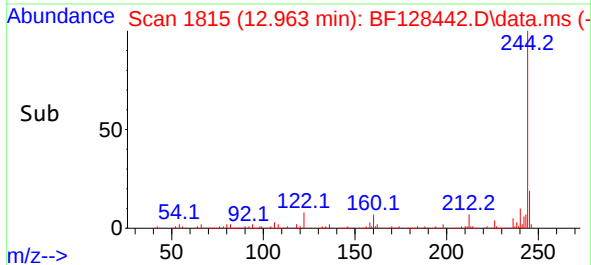
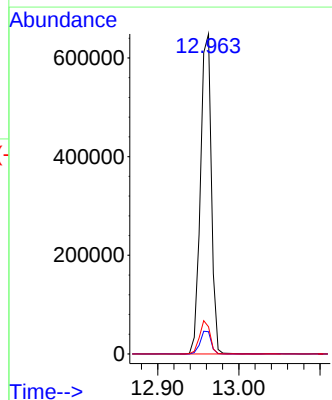
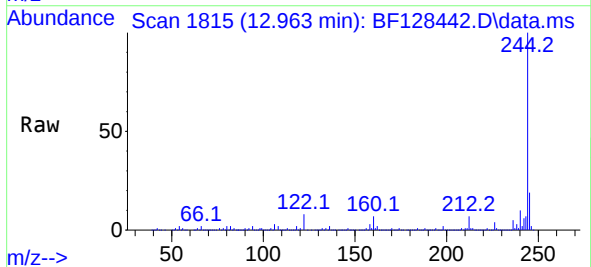
05/25/2022
Supervised By :Jagrut
Upadhyay

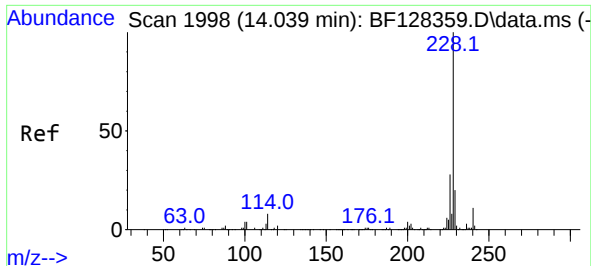
05/25/2022



#79
Terphenyl-d14
Concen: 57.763 ng
RT: 12.963 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF128442.D
Acq: 24 May 2022 18:44

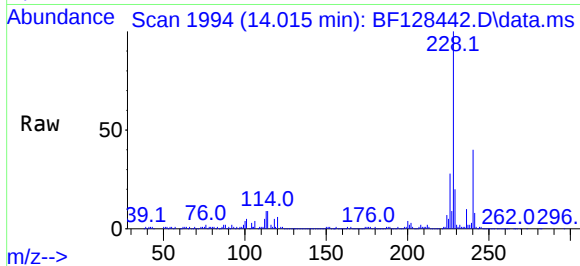
Tgt Ion:244 Resp: 606059
Ion Ratio Lower Upper
244 100
212 7.0 6.2 9.4
122 8.5 8.6 12.8#





#81
Benzo(a)anthracene
Concen: 10.483 ng
RT: 14.015 min Scan# 1994
Delta R.T. -0.006 min
Lab File: BF128442.D
Acq: 24 May 2022 18:44

Instrument :
BNA_F
ClientSampleId :
SB-13(0.5-1)



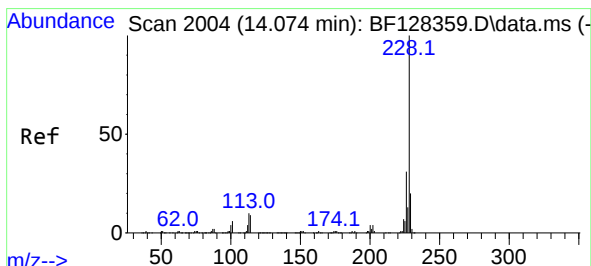
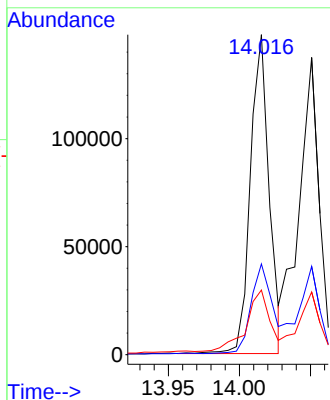
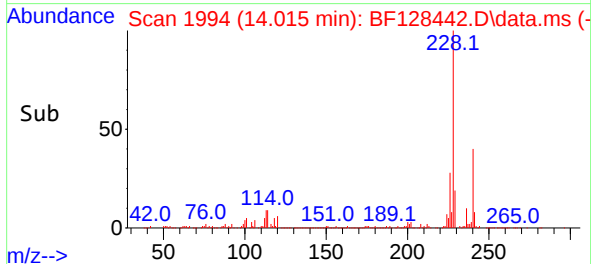
Tgt Ion:228 Resp: 135084
Ion Ratio Lower Upper
228 100
226 28.3 21.7 32.5
229 20.2 15.4 23.2

Manual Integrations
APPROVED

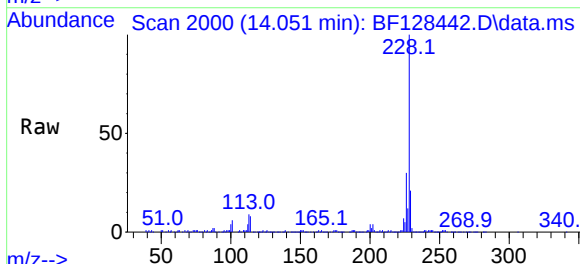
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

Supervised By :Jagrut
Upadhyay
05/25/2022

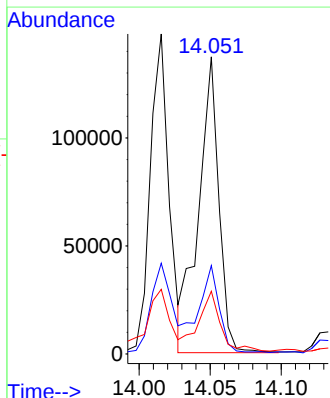
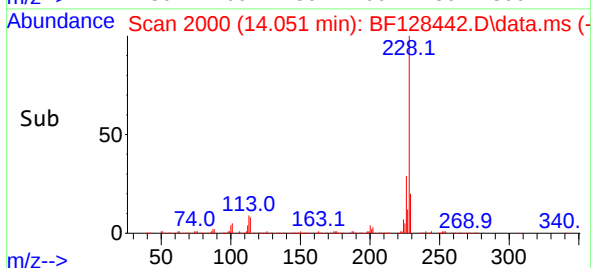
05/25/2022
Supervised By :Jagrut
Upadhyay

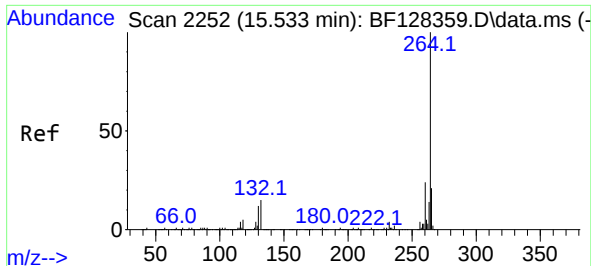


#83
Chrysene
Concen: 11.165 ng
RT: 14.051 min Scan# 2000
Delta R.T. -0.006 min
Lab File: BF128442.D
Acq: 24 May 2022 18:44



Tgt Ion:228 Resp: 137036
Ion Ratio Lower Upper
228 100
226 29.7 24.4 36.6
229 21.1 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.510 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF128442.D

Acq: 24 May 2022 18:44

Instrument :

BNA_F

ClientSampleId :

SB-13(0.5-1)

Tgt Ion:264 Resp: 15963

Ion Ratio Lower Upper

264 100

260 23.1 20.1 30.1

265 22.6 17.5 26.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/25/2022

Supervised By :Jagrut Upadhyay 05/25/2022

Supervised By :Jagrut

Upadhyay

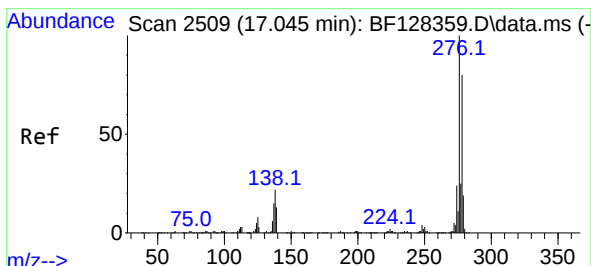
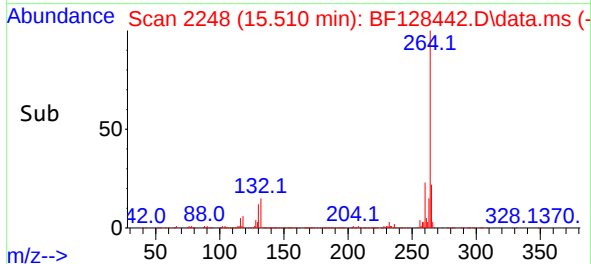
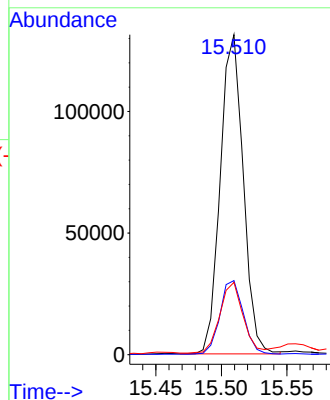
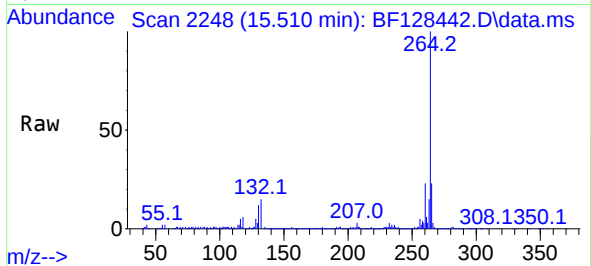
05/25/2022

05/25/2022

Supervised By :Jagrut

Upadhyay

05/25/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.996 ng

RT: 17.009 min Scan# 2503

Delta R.T. -0.006 min

Lab File: BF128442.D

Acq: 24 May 2022 18:44

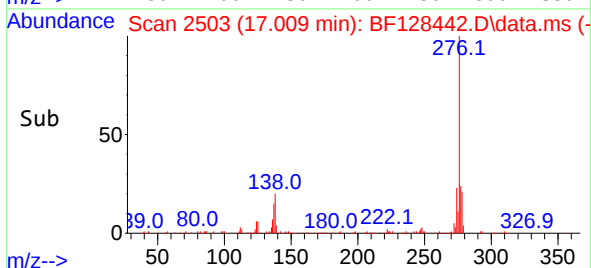
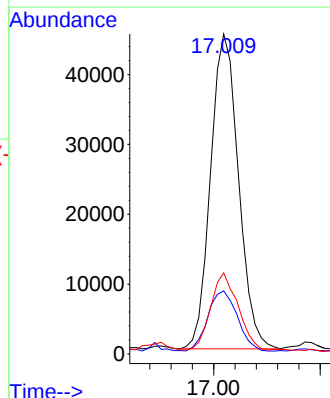
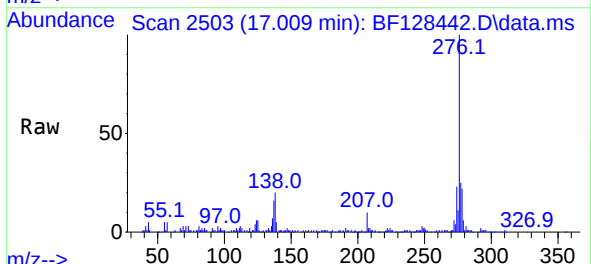
Tgt Ion:276 Resp: 81965

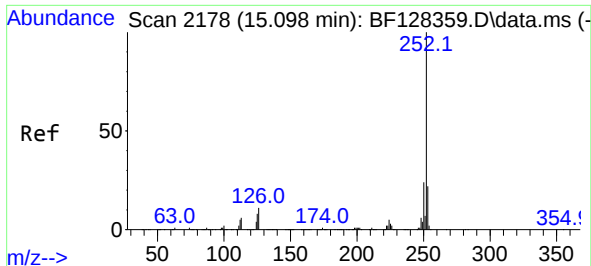
Ion Ratio Lower Upper

276 100

138 21.2 19.0 28.4

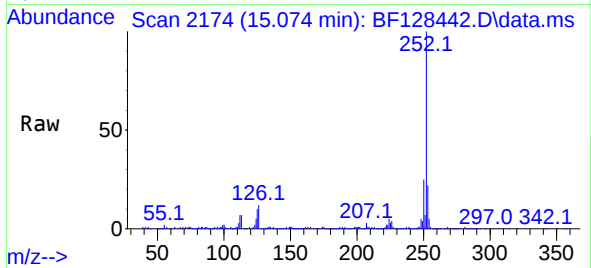
277 24.0 20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 20.072 ng m
RT: 15.074 min Scan# 2174
Delta R.T. -0.000 min
Lab File: BF128442.D
Acq: 24 May 2022 18:44

Instrument :
BNA_F
ClientSampleId :
SB-13(0.5-1)



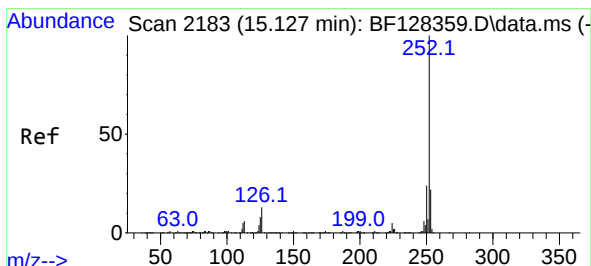
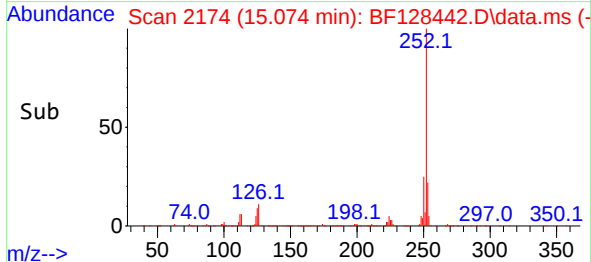
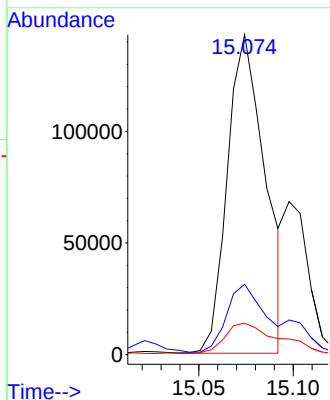
Tgt Ion:252 Resp: 199314
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.2
125 9.9 7.4 11.2

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

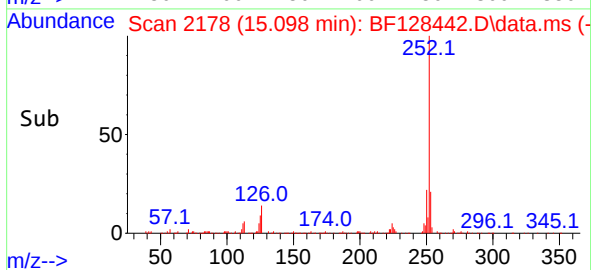
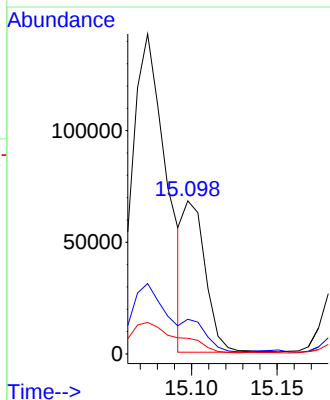
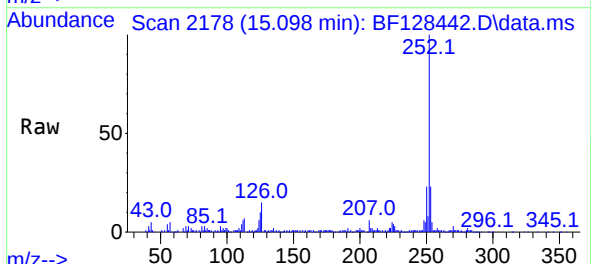
Supervised By :Jagrut
Upadhyay
05/25/2022

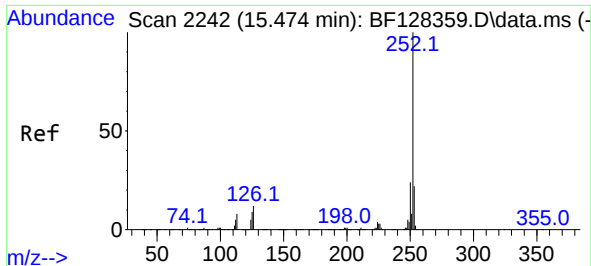
05/25/2022
Supervised By :Jagrut
Upadhyay



#89
Benzo(k)fluoranthene
Concen: 6.457 ng m
RT: 15.098 min Scan# 2178
Delta R.T. -0.006 min
Lab File: BF128442.D
Acq: 24 May 2022 18:44

Tgt Ion:252 Resp: 60052
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.4
125 10.2 6.8 10.2#





#90
Benzo(a)pyrene
Concen: 17.051 ng
RT: 15.445 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF128442.D
Acq: 24 May 2022 18:44

Instrument :

BNA_F

ClientSampleId :

SB-13(0.5-1)

Tgt Ion:252 Resp: 13592
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.6
125 11.2 9.2 13.8

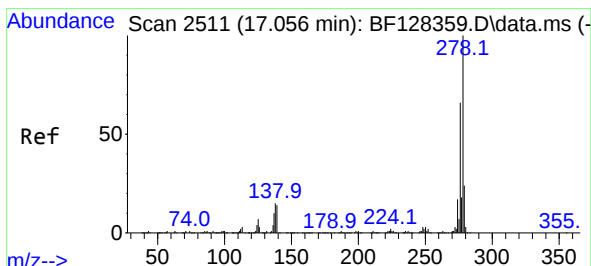
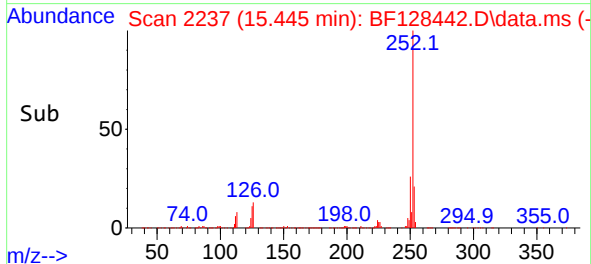
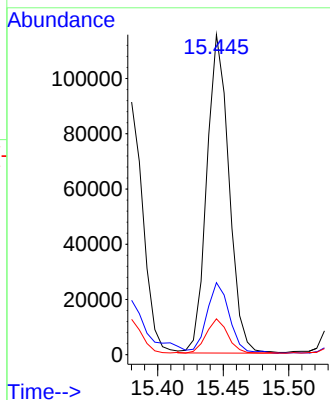
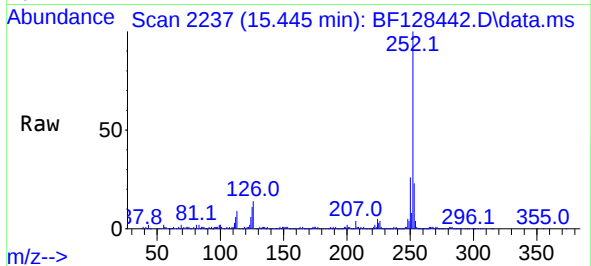
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

Supervised By :Jagrut
Upadhyay
05/25/2022

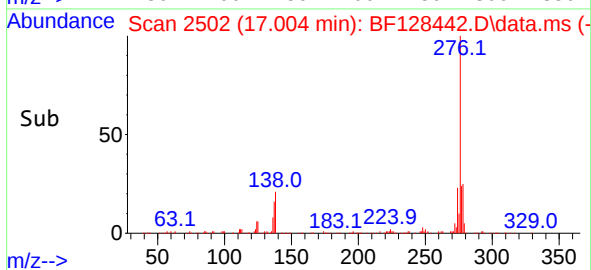
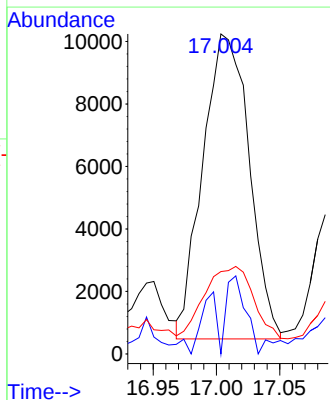
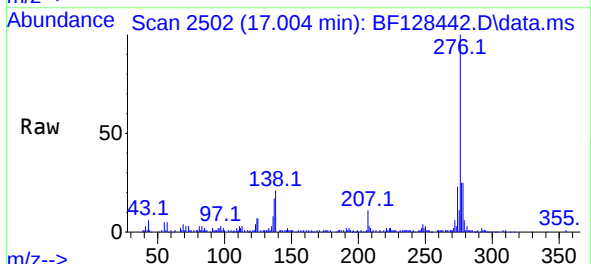
05/25/2022
Supervised By :Jagrut
Upadhyay

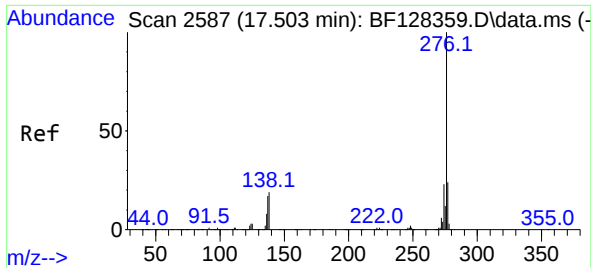
05/25/2022



#91
Dibenzo(a,h)anthracene
Concen: 3.403 ng m
RT: 17.004 min Scan# 2502
Delta R.T. -0.024 min
Lab File: BF128442.D
Acq: 24 May 2022 18:44

Tgt Ion:278 Resp: 24878
Ion Ratio Lower Upper
278 100
139 0.0 12.6 19.0#
279 25.8 18.9 28.3





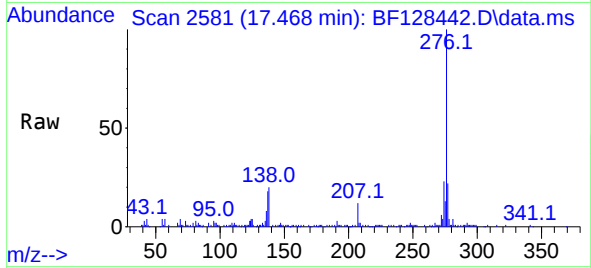
#92
 Benzo(g,h,i)perylene
 Concen: 10.575 ng
 RT: 17.468 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF128442.D
 Acq: 24 May 2022 18:44

Instrument :

BNA_F

ClientSampleId :

SB-13(0.5-1)



Tgt Ion:276 Resp: 8065
 Ion Ratio Lower Upper
 276 100
 277 22.5 18.8 28.2
 138 20.4 16.2 24.2

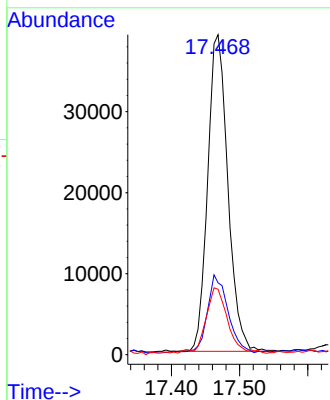
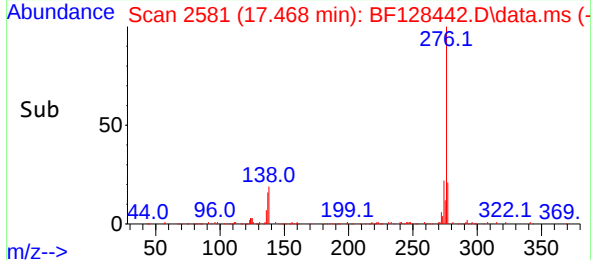
Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/25/2022
 Supervised By :Jagrut Upadhyay 05/25/2022

Supervised By :Jagrut
 Upadhyay
 05/25/2022

05/25/2022
 Supervised By :Jagrut
 Upadhyay



05/25/2022