

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
 Data File : BF129824.D
 Acq On : 16 Aug 2022 22:23
 Operator : CG\JU
 Sample : N4188-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S3

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/17/2022
 Supervised By : Jagrut Upadhyay 08/17/2022

Quant Time: Aug 17 02:39:34 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 15 02:28:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	149832	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	605399	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	314604	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	495706	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	252417	20.000	ng	0.00
86) Perylene-d12	15.468	264	282027	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	1210744	133.792	ng	0.00
7) Phenol-d6	6.481	99	1535262	135.475	ng	0.00
23) Nitrobenzene-d5	7.392	82	997848	88.234	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	404491	128.104	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	1718477	82.962	ng	0.00
79) Terphenyl-d14	12.933	244	1366163	90.058	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.375	178	72788	2.629	ng	98
75) Fluoranthene	12.563	202	129224	4.561	ng	97
78) Pyrene	12.798	202	114979	5.242	ng	98
81) Benzo(a)anthracene	13.986	228	43152	2.485	ng	98
83) Chrysene	14.021	228	47460	2.920	ng	95
88) Benzo(b)fluoranthene	15.039	252	67709m	3.506	ng	
90) Benzo(a)pyrene	15.410	252	47032	3.093	ng	97
92) Benzo(g,h,i)perylene	17.398	276	38375	2.408	ng	# 92

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

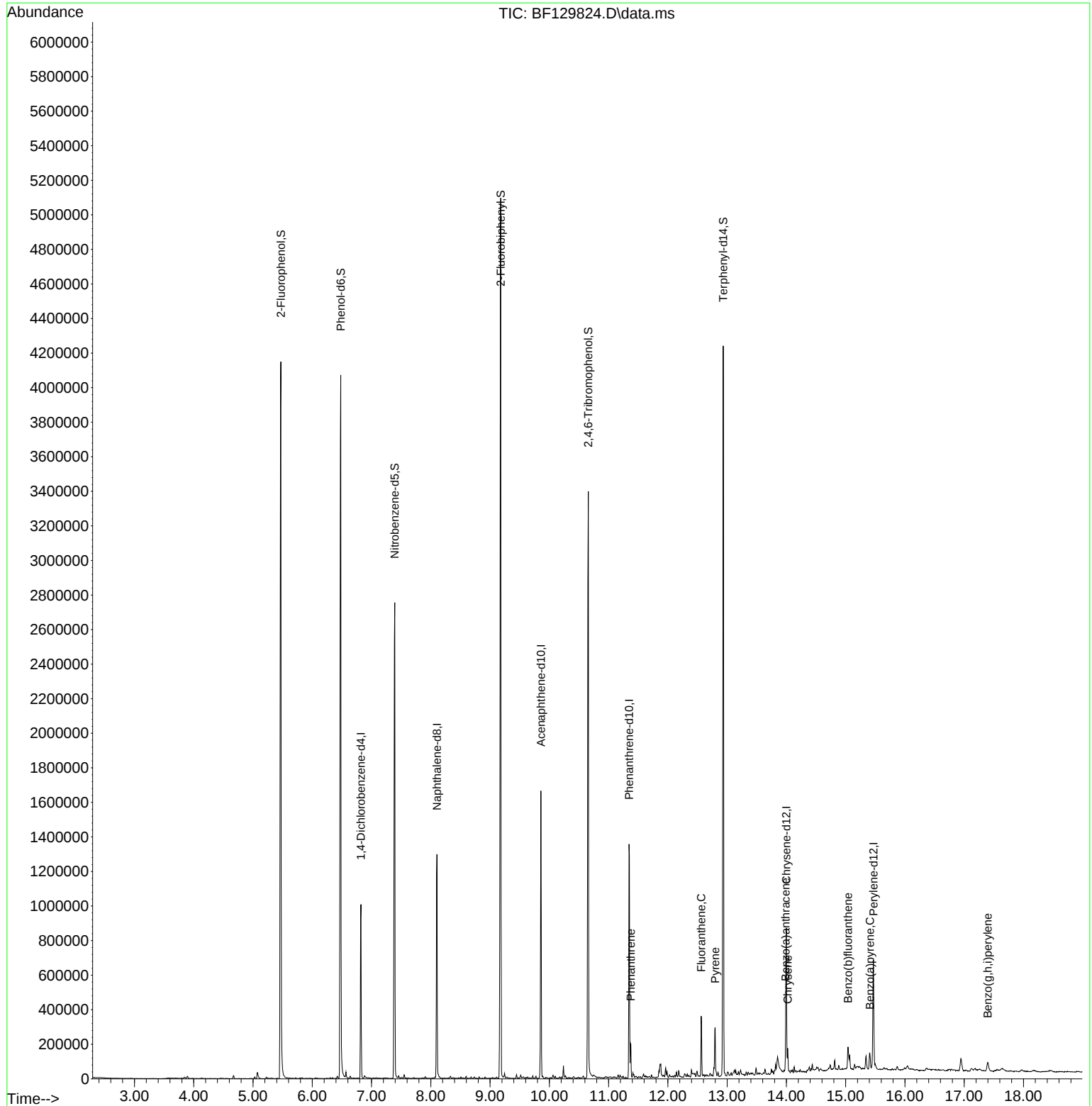
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
Data File : BF129824.D
Acq On : 16 Aug 2022 22:23
Operator : CG\JU
Sample : N4188-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

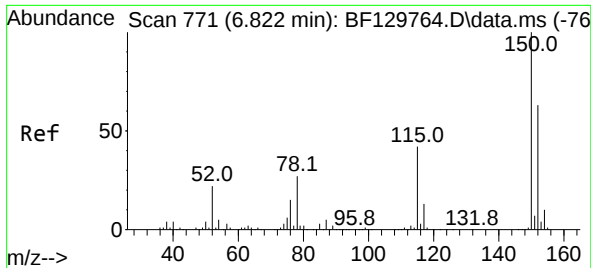
Instrument :
BNA_F
ClientSampleId :
S3

Quant Time: Aug 17 02:39:34 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 15 02:28:31 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

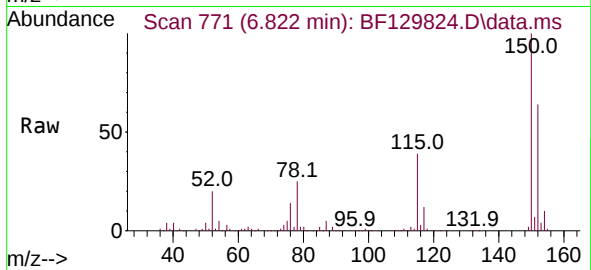
Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF129824.D
Acq: 16 Aug 2022 22:23

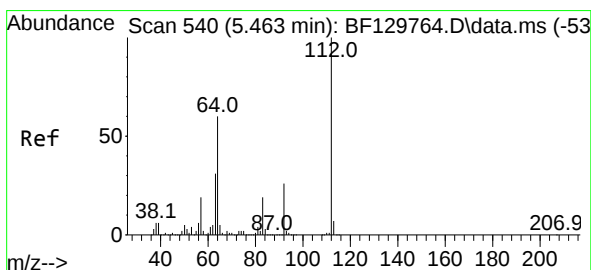
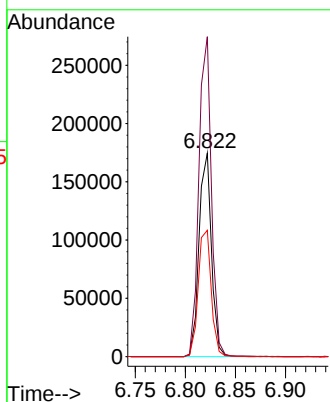
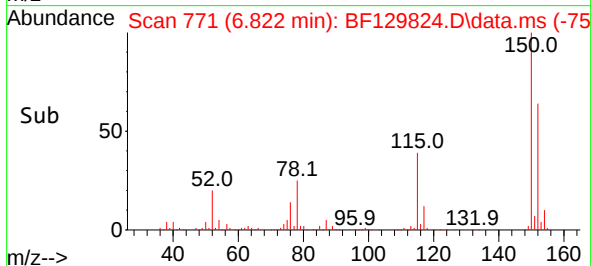
Instrument :
BNA_F
ClientSampleId :
S3



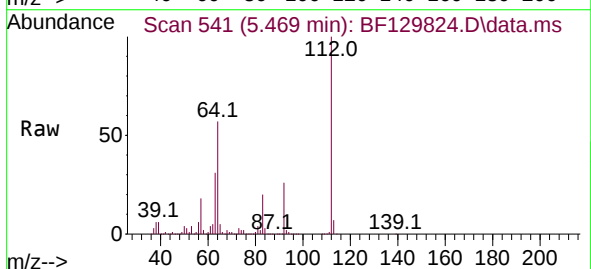
Tgt Ion:152 Resp: 149832
Ion Ratio Lower Upper
152 100
150 157.3 126.9 190.3
115 62.1 53.4 80.0

Manual Integrations
APPROVED

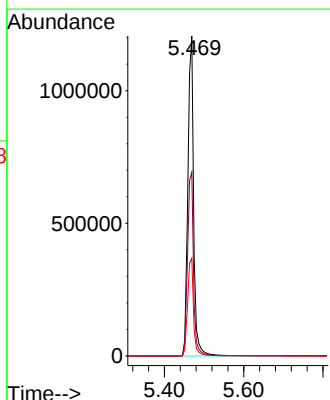
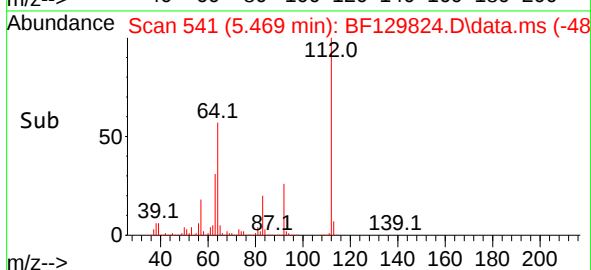
Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022

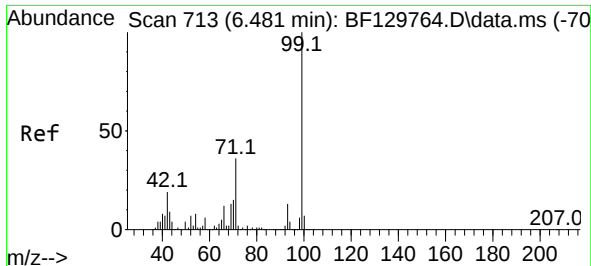


#5
2-Fluorophenol
Concen: 133.792 ng
RT: 5.469 min Scan# 541
Delta R.T. 0.006 min
Lab File: BF129824.D
Acq: 16 Aug 2022 22:23



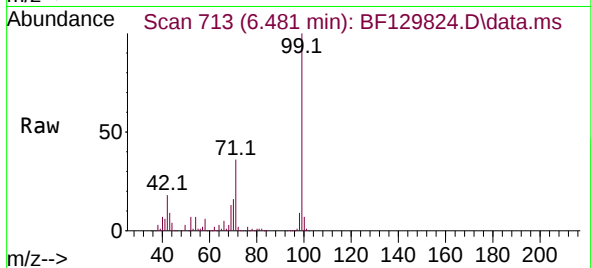
Tgt Ion:112 Resp: 1210744
Ion Ratio Lower Upper
112 100
64 57.4 47.6 71.4
63 30.5 24.6 37.0





#7
Phenol-d6
Concen: 135.475 ng
RT: 6.481 min Scan# 713
Delta R.T. -0.000 min
Lab File: BF129824.D
Acq: 16 Aug 2022 22:23

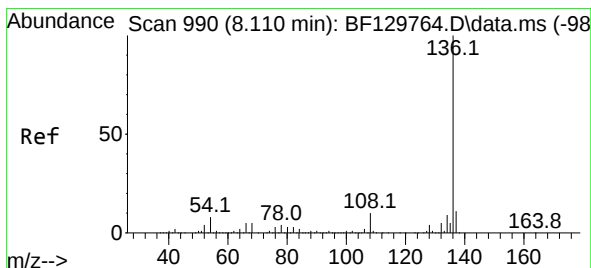
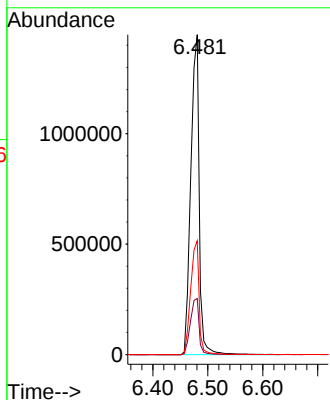
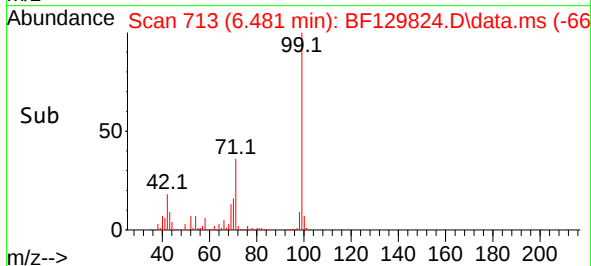
Instrument :
BNA_F
ClientSampleId :
S3



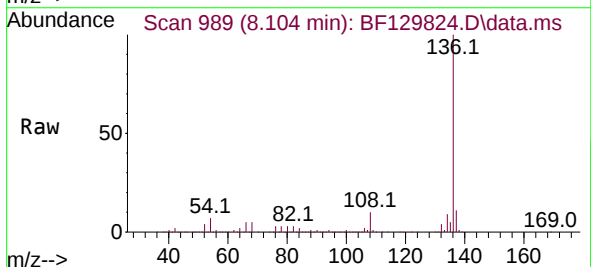
Tgt Ion: 99 Resp: 1535262
Ion Ratio Lower Upper
99 100
42 17.5 15.0 22.4
71 35.6 28.8 43.2

Manual Integrations
APPROVED

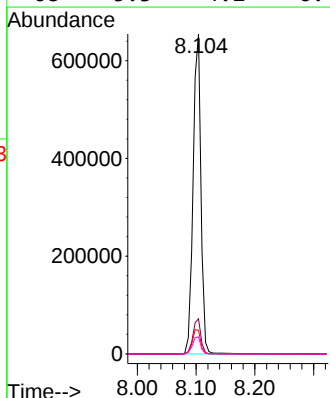
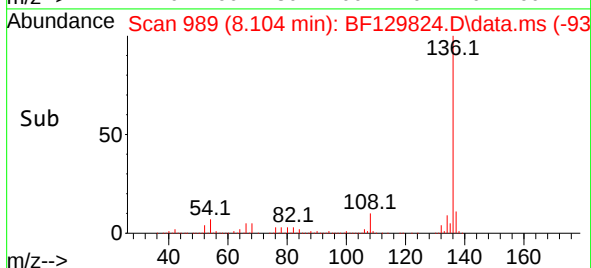
Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022

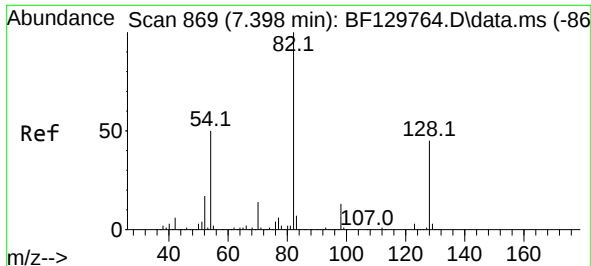


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 989
Delta R.T. -0.006 min
Lab File: BF129824.D
Acq: 16 Aug 2022 22:23



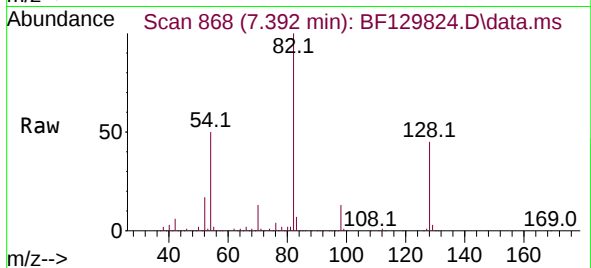
Tgt Ion:136 Resp: 605399
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 7.4 6.2 9.2
68 5.3 4.2 6.4





#23
Nitrobenzene-d5
Concen: 88.234 ng
RT: 7.392 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF129824.D
Acq: 16 Aug 2022 22:23

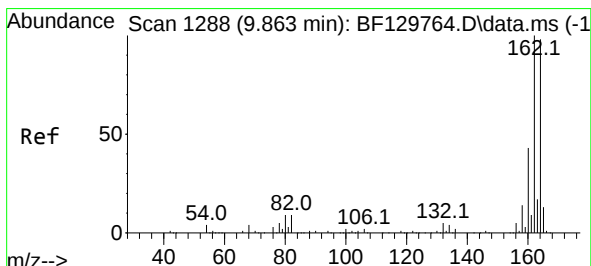
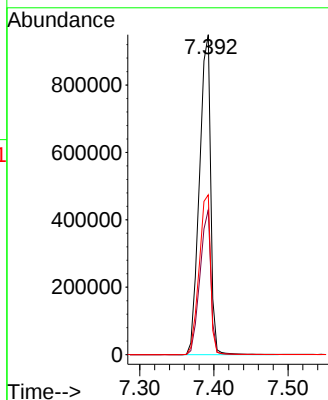
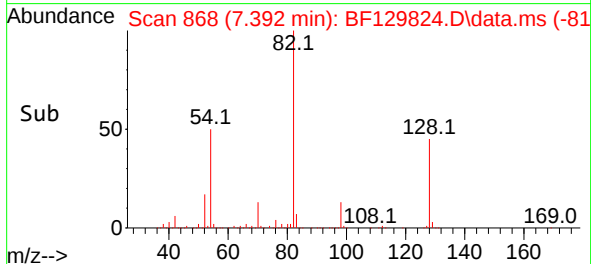
Instrument :
BNA_F
ClientSampleId :
S3



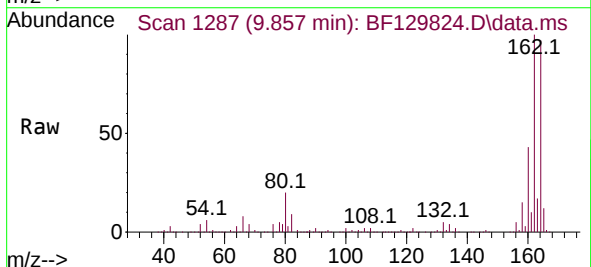
Tgt Ion: 82 Resp: 997848
Ion Ratio Lower Upper
82 100
128 45.2 36.1 54.1
54 49.9 40.0 60.0

Manual Integrations
APPROVED

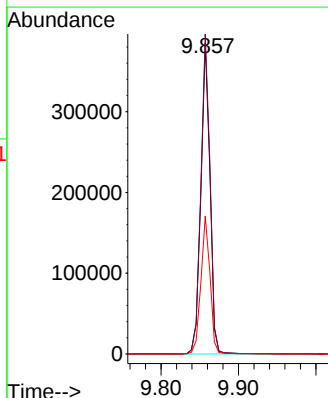
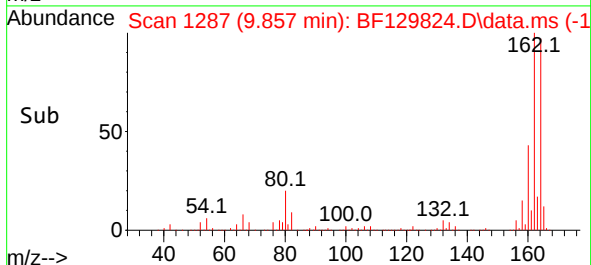
Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022

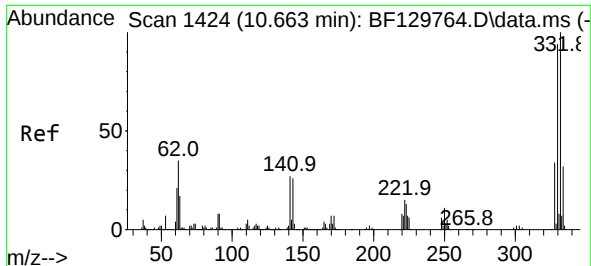


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BF129824.D
Acq: 16 Aug 2022 22:23



Tgt Ion:164 Resp: 314604
Ion Ratio Lower Upper
164 100
162 102.9 82.0 123.0
160 44.2 35.4 53.0





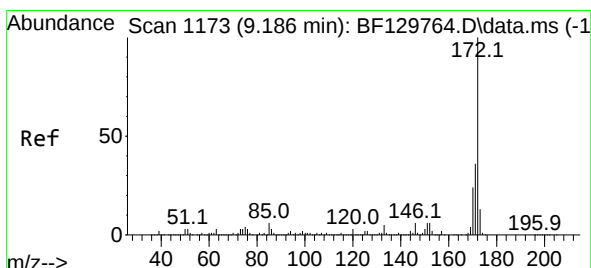
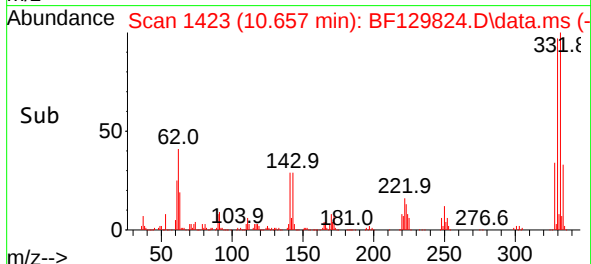
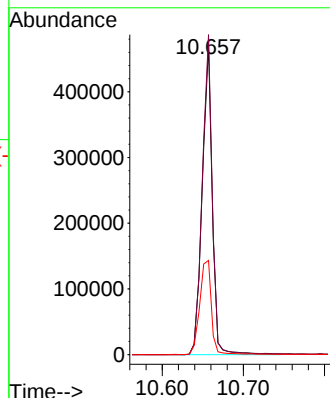
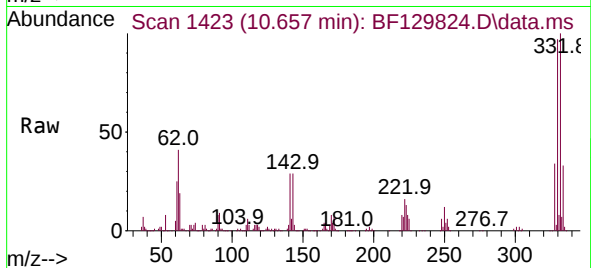
#42
2,4,6-Tribromophenol
Concen: 128.104 ng
RT: 10.657 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF129824.D
Acq: 16 Aug 2022 22:23

Instrument :
BNA_F
ClientSampleId :
S3

Tgt Ion: 330 Resp: 404491
Ion Ratio Lower Upper
330 100
332 102.7 82.6 124.0
141 35.5 27.6 41.4

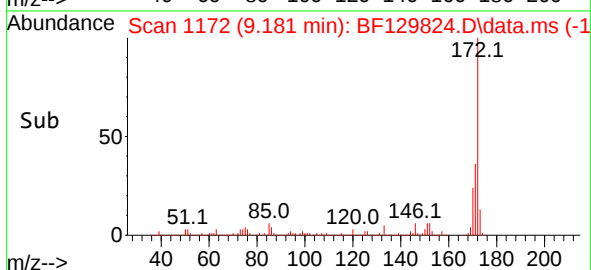
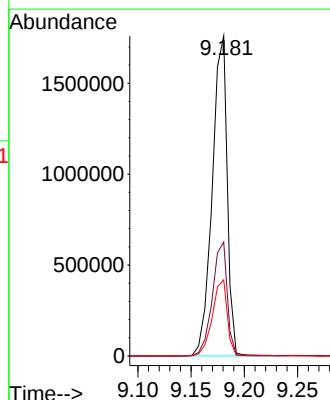
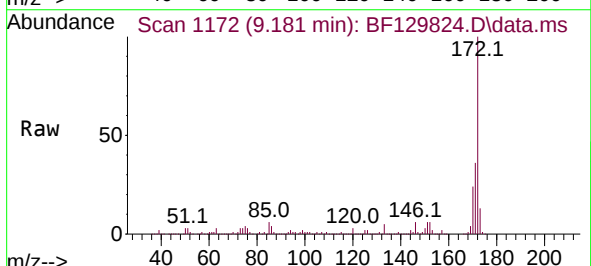
Manual Integrations
APPROVED

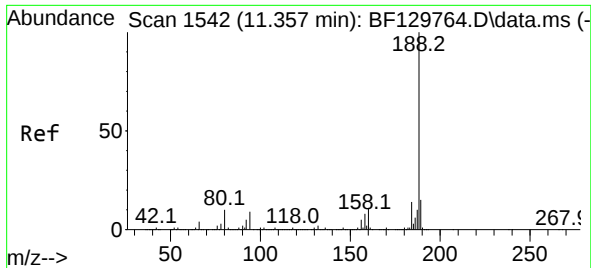
Reviewed By : Christian Giraldo 08/17/2022
Supervised By : Jagrut Upadhyay 08/17/2022



#45
2-Fluorobiphenyl
Concen: 82.962 ng
RT: 9.181 min Scan# 1172
Delta R.T. -0.006 min
Lab File: BF129824.D
Acq: 16 Aug 2022 22:23

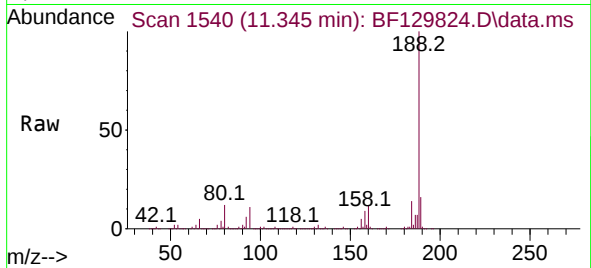
Tgt Ion: 172 Resp: 1718477
Ion Ratio Lower Upper
172 100
171 35.6 28.4 42.6
170 23.8 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129824.D
Acq: 16 Aug 2022 22:23

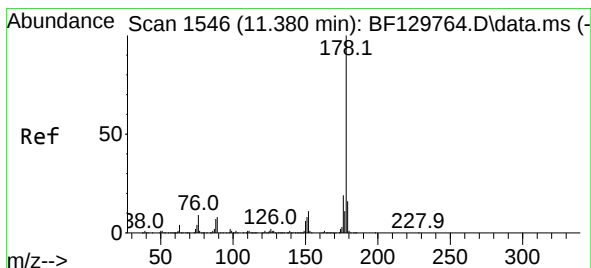
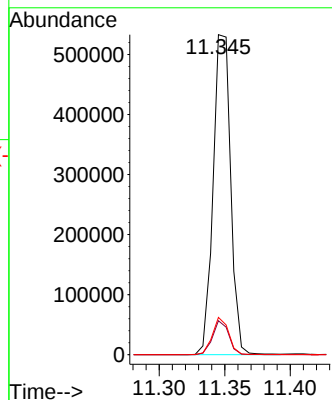
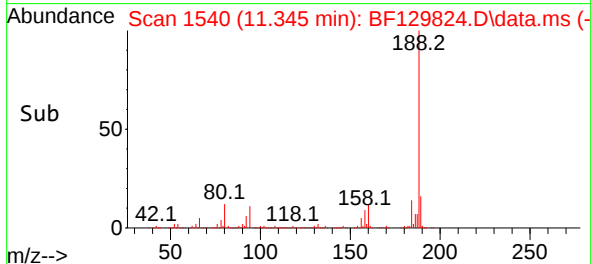
Instrument :
BNA_F
ClientSampleId :
S3



Tgt Ion:188 Resp: 495706
Ion Ratio Lower Upper
188 100
94 10.6 7.4 11.2
80 11.6 7.9 11.9

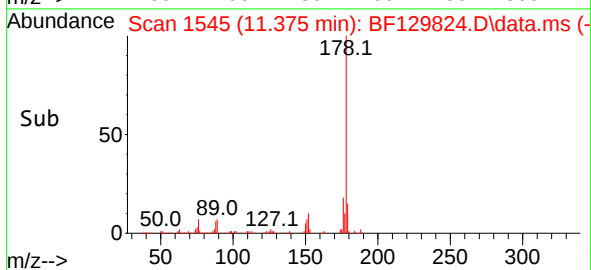
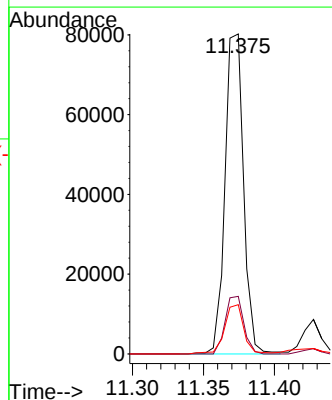
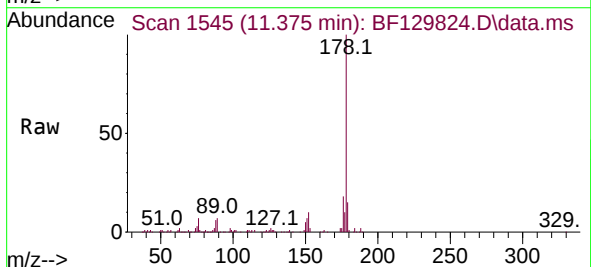
Manual Integrations
APPROVED

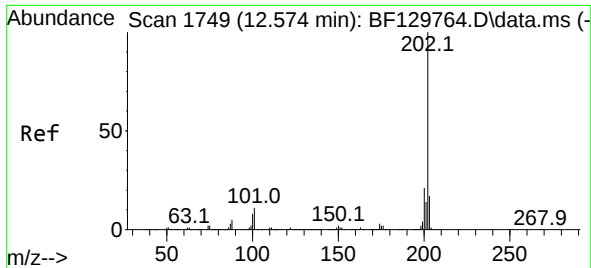
Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022



#71
Phenanthrene
Concen: 2.629 ng
RT: 11.375 min Scan# 1545
Delta R.T. -0.006 min
Lab File: BF129824.D
Acq: 16 Aug 2022 22:23

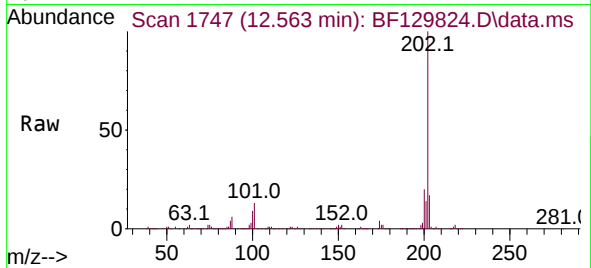
Tgt Ion:178 Resp: 72788
Ion Ratio Lower Upper
178 100
176 18.0 15.5 23.3
179 15.4 12.5 18.7





#75
Fluoranthene
Concen: 4.561 ng
RT: 12.563 min Scan# 1749
Delta R.T. -0.012 min
Lab File: BF129824.D
Acq: 16 Aug 2022 22:23

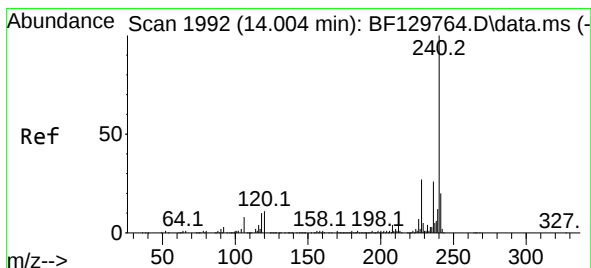
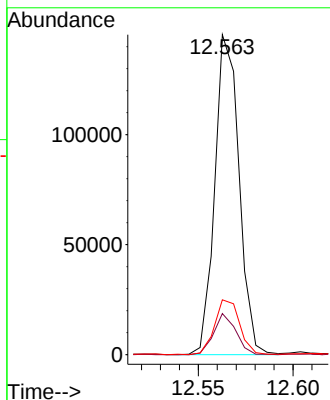
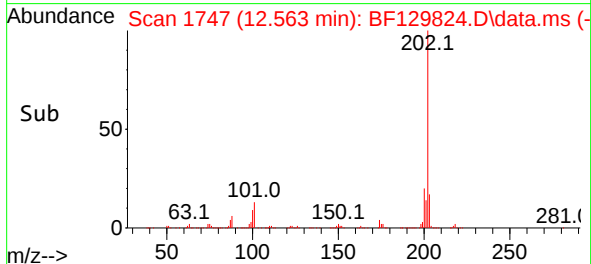
Instrument :
BNA_F
ClientSampleId :
S3



Tgt Ion:202 Resp: 129224
Ion Ratio Lower Upper
202 100
101 12.8 0.0 30.7
203 17.2 0.0 37.5

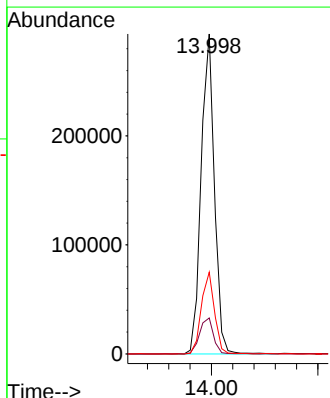
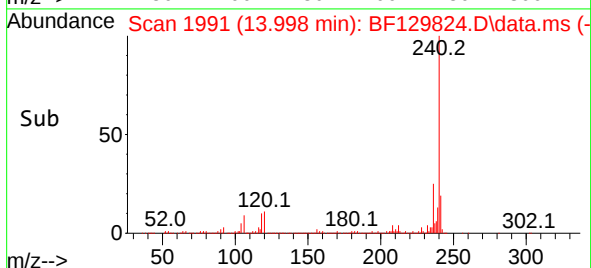
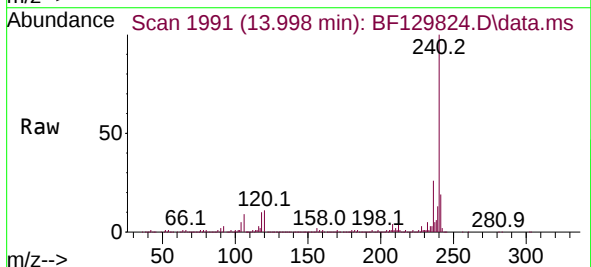
Manual Integrations
APPROVED

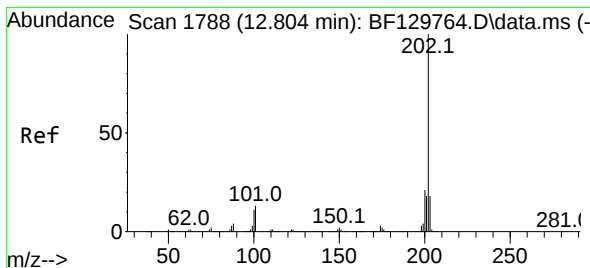
Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 1991
Delta R.T. -0.006 min
Lab File: BF129824.D
Acq: 16 Aug 2022 22:23

Tgt Ion:240 Resp: 252417
Ion Ratio Lower Upper
240 100
120 11.2 9.2 13.8
236 25.5 20.7 31.1





#78

Pyrene

Concen: 5.242 ng

RT: 12.798 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF129824.D

Acq: 16 Aug 2022 22:23

Instrument :

BNA_F

ClientSampleId :

S3

Tgt Ion:202 Resp: 114979

Ion Ratio Lower Upper

202 100

200 20.9 17.0 25.6

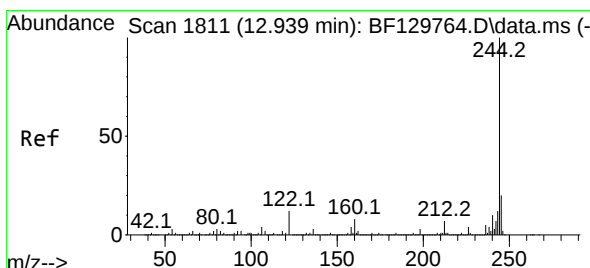
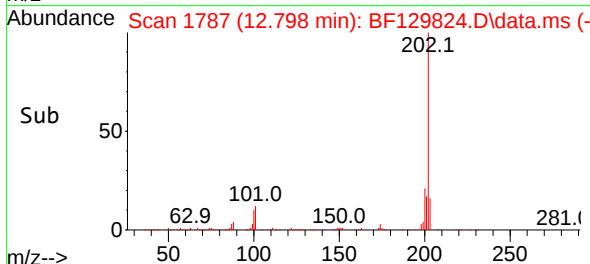
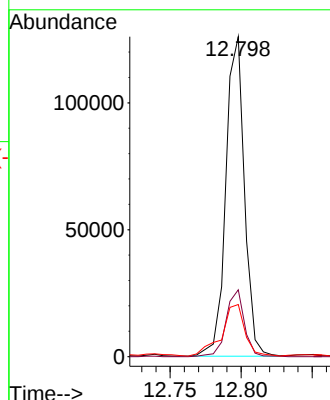
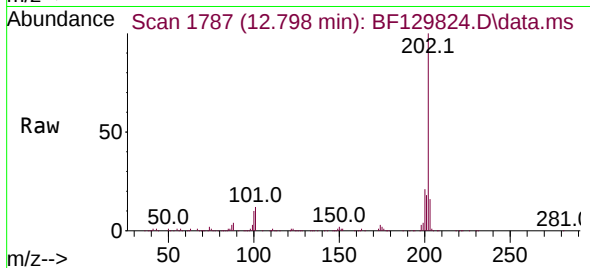
203 16.3 14.1 21.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/17/2022

Supervised By :Jagrut Upadhyay 08/17/2022



#79

Terphenyl-d14

Concen: 90.058 ng

RT: 12.933 min Scan# 1810

Delta R.T. -0.006 min

Lab File: BF129824.D

Acq: 16 Aug 2022 22:23

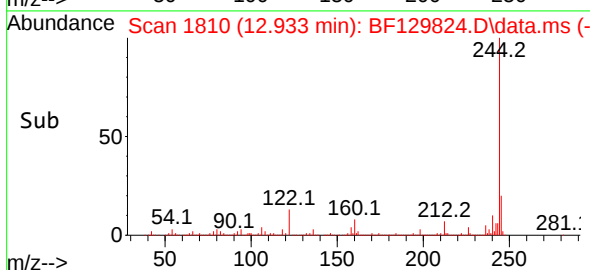
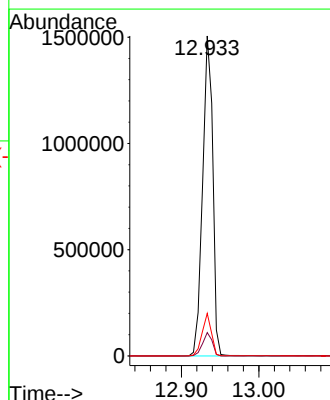
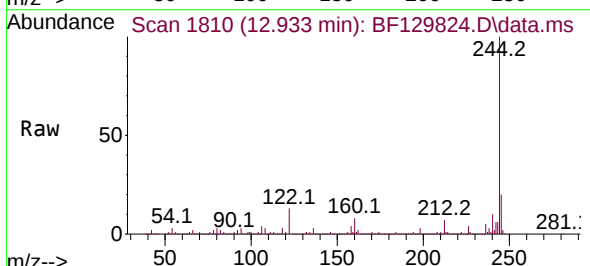
Tgt Ion:244 Resp: 1366163

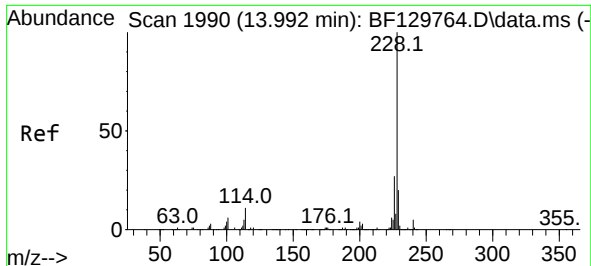
Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

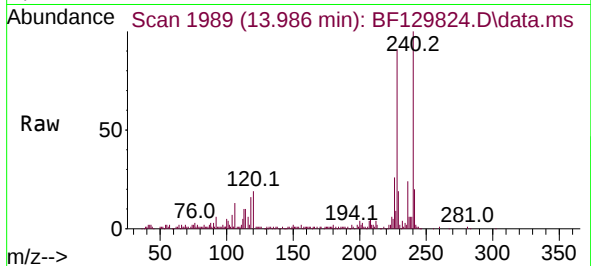
122 13.3 9.9 14.9





#81
Benzo(a)anthracene
Concen: 2.485 ng
RT: 13.986 min Scan# 1989
Delta R.T. -0.006 min
Lab File: BF129824.D
Acq: 16 Aug 2022 22:23

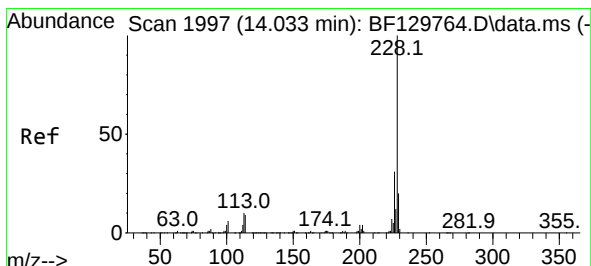
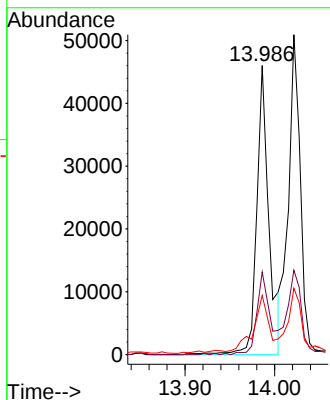
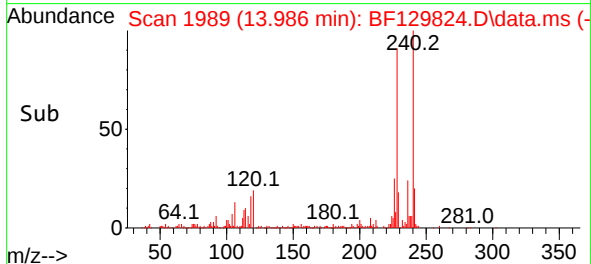
Instrument :
BNA_F
ClientSampleId :
S3



Tgt Ion:228 Resp: 43152
Ion Ratio Lower Upper
228 100
226 28.6 21.4 32.0
229 20.4 16.1 24.1

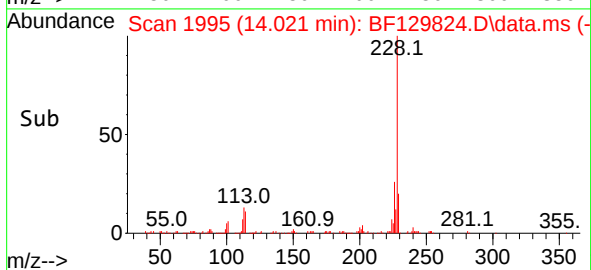
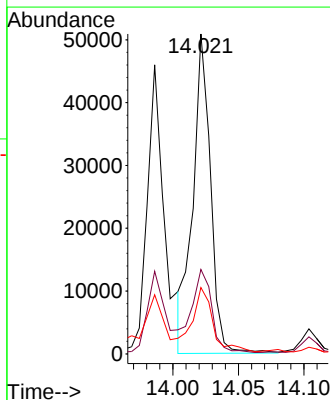
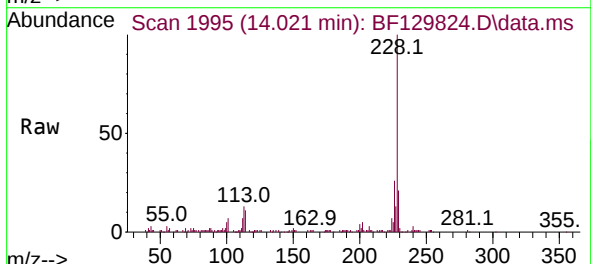
Manual Integrations
APPROVED

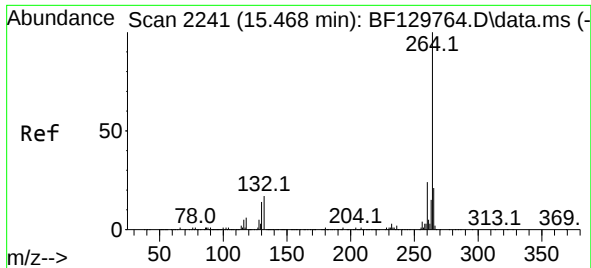
Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022



#83
Chrysene
Concen: 2.920 ng
RT: 14.021 min Scan# 1995
Delta R.T. -0.012 min
Lab File: BF129824.D
Acq: 16 Aug 2022 22:23

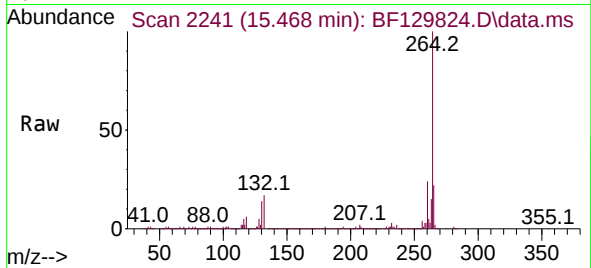
Tgt Ion:228 Resp: 47460
Ion Ratio Lower Upper
228 100
226 26.4 24.4 36.6
229 20.7 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF129824.D
Acq: 16 Aug 2022 22:23

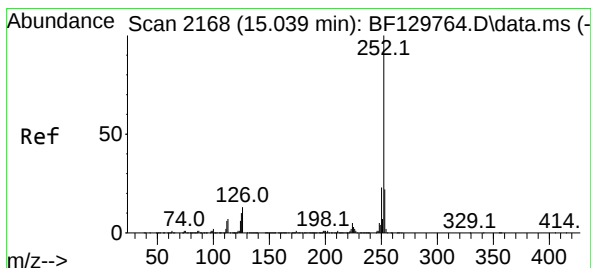
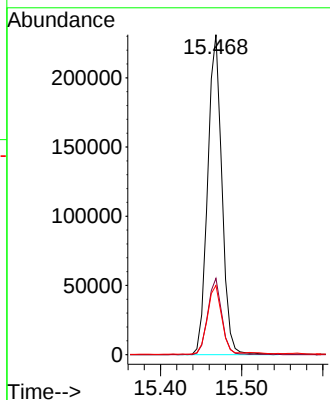
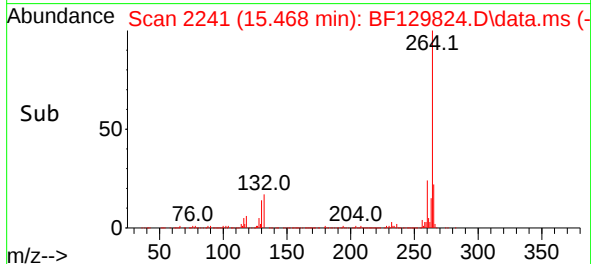
Instrument :
BNA_F
ClientSampleId :
S3



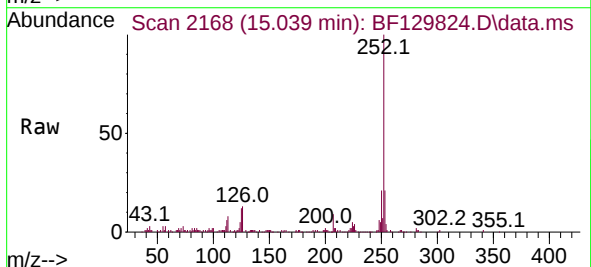
Tgt Ion:264 Resp: 28202
Ion Ratio Lower Upper
264 100
260 23.8 19.1 28.7
265 21.6 16.7 25.1

Manual Integrations
APPROVED

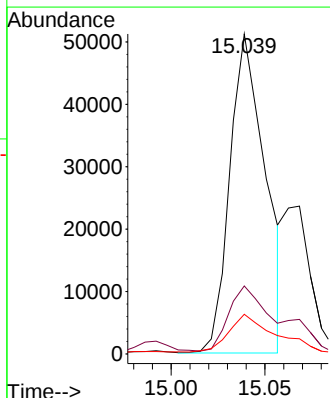
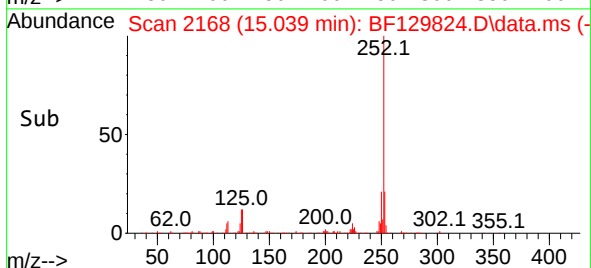
Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022

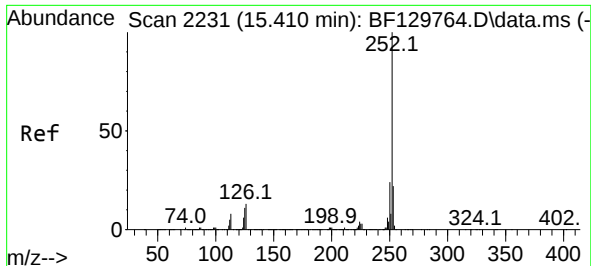


#88
Benzo(b)fluoranthene
Concen: 3.506 ng m
RT: 15.039 min Scan# 2168
Delta R.T. -0.000 min
Lab File: BF129824.D
Acq: 16 Aug 2022 22:23



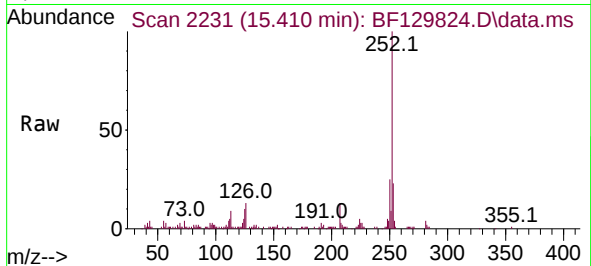
Tgt Ion:252 Resp: 67709
Ion Ratio Lower Upper
252 100
253 21.2 17.5 26.3
125 12.4 8.3 12.5





#90
Benzo(a)pyrene
Concen: 3.093 ng
RT: 15.410 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF129824.D
Acq: 16 Aug 2022 22:23

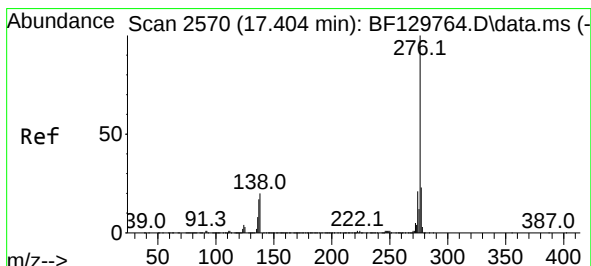
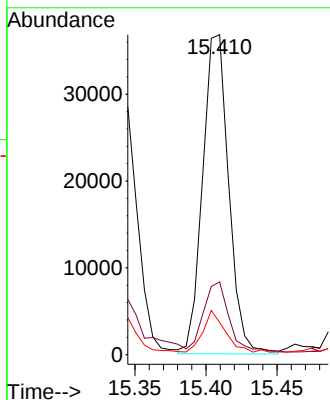
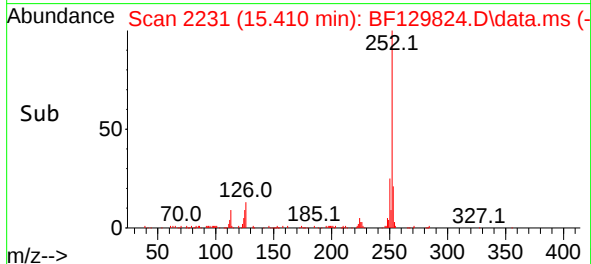
Instrument :
BNA_F
ClientSampleId :
S3



Tgt Ion:252 Resp: 47032
Ion Ratio Lower Upper
252 100
253 22.7 17.2 25.8
125 10.0 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022



#92
Benzo(g,h,i)perylene
Concen: 2.408 ng
RT: 17.398 min Scan# 2569
Delta R.T. -0.006 min
Lab File: BF129824.D
Acq: 16 Aug 2022 22:23

Tgt Ion:276 Resp: 38375
Ion Ratio Lower Upper
276 100
277 25.1 18.2 27.4
138 24.8 15.8 23.8#

