

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060222\
 Data File : BF128664.D
 Acq On : 03 Jun 2022 04:07
 Operator : CG\JU
 Sample : N3099-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20220429-AMENDED-COMPOSITE-I

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/03/2022
 Supervised By : Jagrut Upadhyay 06/03/2022

Quant Time: Jun 03 04:38:03 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 02 17:07:23 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	110788	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	416744	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	209653	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	323358	20.000	ng	# 0.00
76) Chrysene-d12	13.992	240	191777	20.000	ng	# 0.00
86) Perylene-d12	15.463	264	184913	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	145245	20.882	ng	0.01
7) Phenol-d6	6.487	99	287672	33.883	ng	-0.01
23) Nitrobenzene-d5	7.387	82	603233	67.393	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	43020	17.367	ng	-0.01
45) 2-Fluorobiphenyl	9.187	172	908447	60.698	ng	0.00
79) Terphenyl-d14	12.939	244	667115	60.445	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.128	128	107571	5.030	ng	100
75) Fluoranthene	12.569	202	59279	3.497	ng	96
78) Pyrene	12.792	202	66377	4.652	ng	98
81) Benzo(a)anthracene	13.986	228	65309	5.463	ng	92
83) Chrysene	14.021	228	61968m	5.437	ng	
88) Benzo(b)fluoranthene	15.033	252	61684m	5.221	ng	
90) Benzo(a)pyrene	15.392	252	49303	5.309	ng	94
92) Benzo(g,h,i)perylene	17.345	276	20911	2.282	ng	95

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

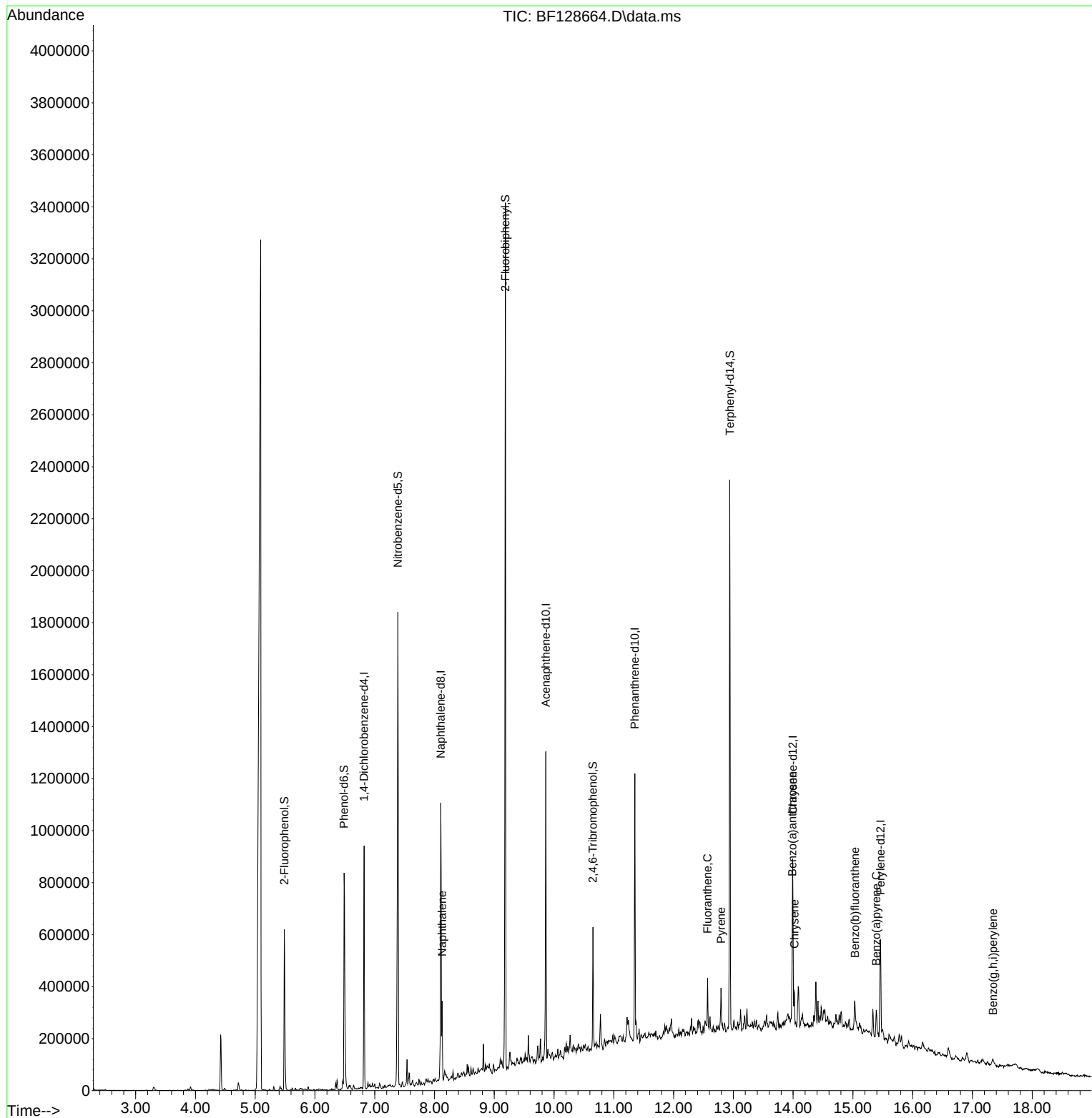
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060222\
Data File : BF128664.D
Acq On : 03 Jun 2022 04:07
Operator : CG\JU
Sample : N3099-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

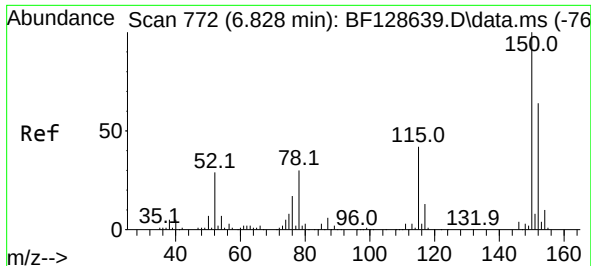
Instrument :
BNA_F
ClientSampleId :
20220429-AMENDED-COMPOSITE-I

Quant Time: Jun 03 04:38:03 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 02 17:07:23 2022
Response via : Initial Calibration

Manual Integrations
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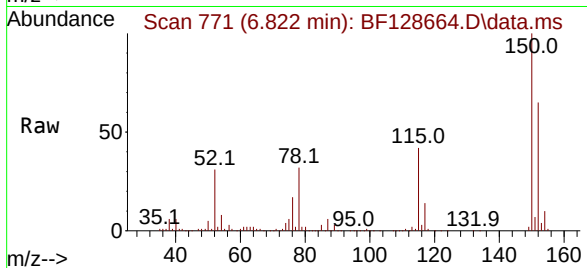
Reviewed By : Christian Giraldo 06/03/2022
Supervised By : Jagrut Upadhyay 06/03/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128664.D
Acq: 03 Jun 2022 04:07

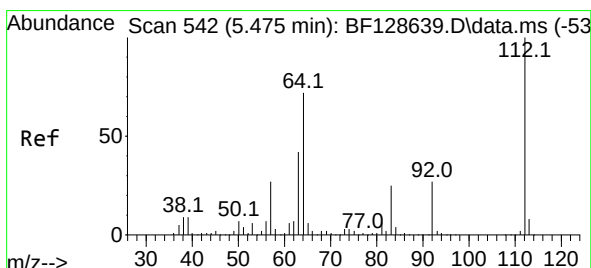
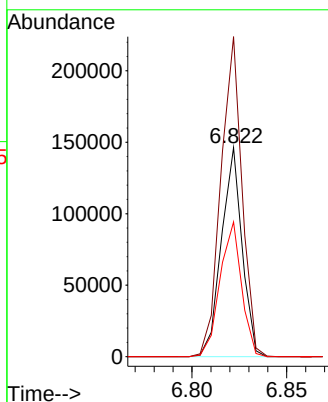
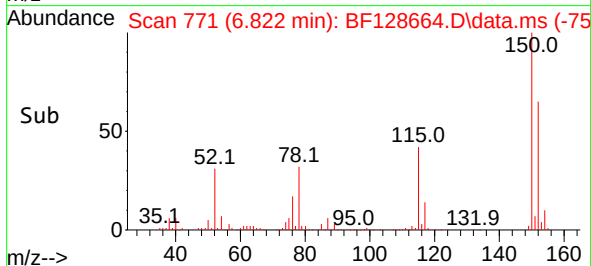
Instrument :
BNA_F
ClientSampleId :
20220429-AMENDED-COMPOSITE-I



Tgt Ion:152 Resp: 110788
Ion Ratio Lower Upper
152 100
150 153.0 123.7 185.5
115 64.4 49.9 74.9

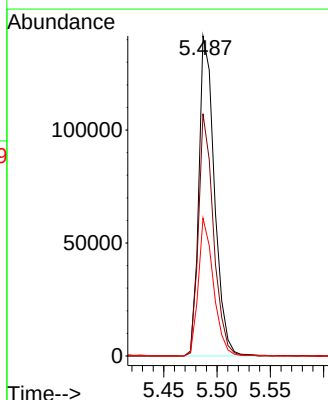
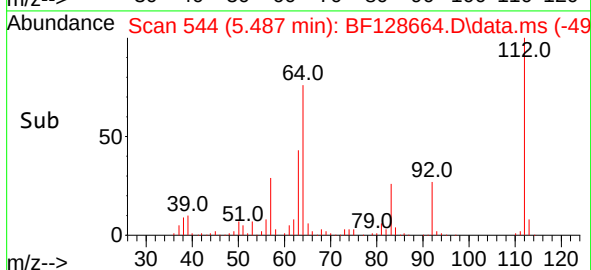
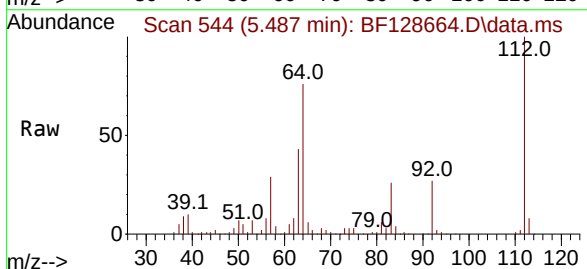
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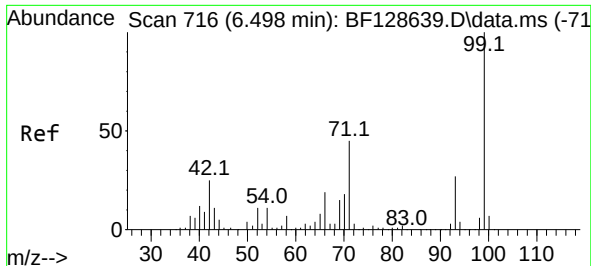
Reviewed By :Christian Giraldo 06/03/2022
Supervised By :Jagrut Upadhyay 06/03/2022



#5
2-Fluorophenol
Concen: 20.882 ng
RT: 5.487 min Scan# 544
Delta R.T. 0.012 min
Lab File: BF128664.D
Acq: 03 Jun 2022 04:07

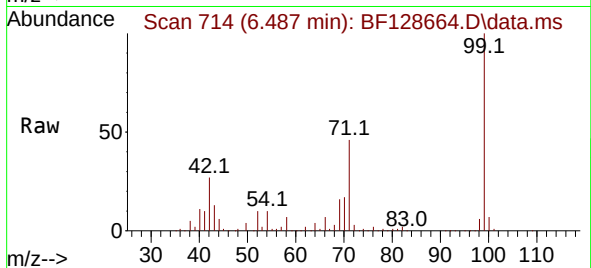
Tgt Ion:112 Resp: 145245
Ion Ratio Lower Upper
112 100
64 75.7 53.3 79.9
63 43.0 28.0 42.0#





#7
Phenol-d6
Concen: 33.883 ng
RT: 6.487 min Scan# 716
Delta R.T. -0.011 min
Lab File: BF128664.D
Acq: 03 Jun 2022 04:07

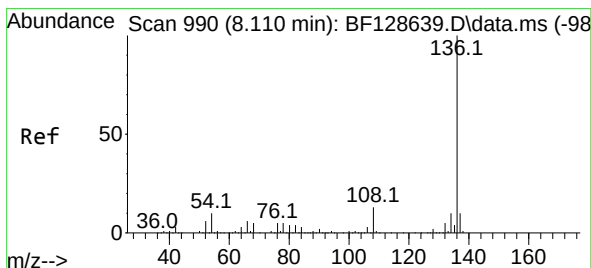
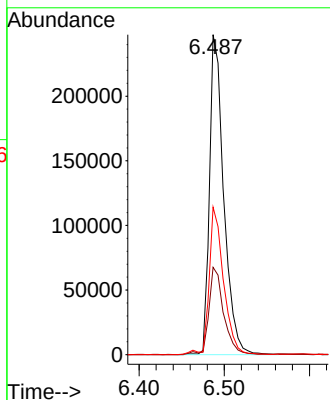
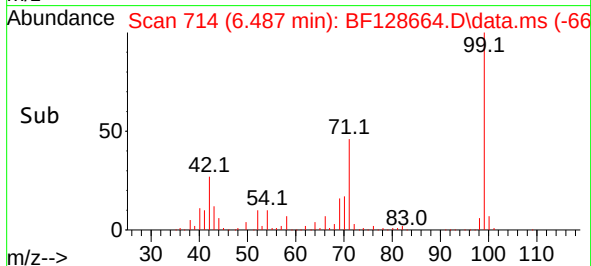
Instrument :
BNA_F
ClientSampleId :
20220429-AMENDED-COMPOSITE-I



Tgt Ion: 99 Resp: 287672
Ion Ratio Lower Upper
99 100
42 27.3 17.3 25.9
71 46.1 28.9 43.3

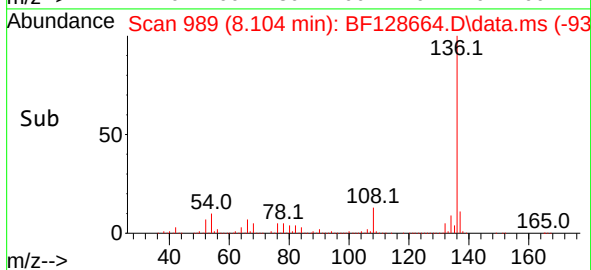
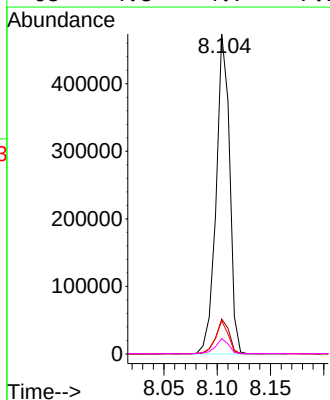
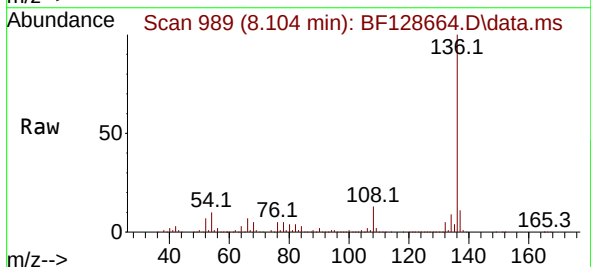
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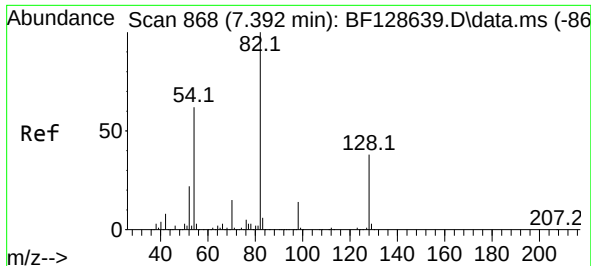
Reviewed By :Christian Giraldo 06/03/2022
Supervised By :Jagrut Upadhyay 06/03/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 989
Delta R.T. -0.006 min
Lab File: BF128664.D
Acq: 03 Jun 2022 04:07

Tgt Ion:136 Resp: 416744
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 10.4 7.5 11.3
68 4.8 4.7 7.1





#23

Nitrobenzene-d5

Concen: 67.393 ng

RT: 7.387 min Scan# 80

Delta R.T. -0.005 min

Lab File: BF128664.D

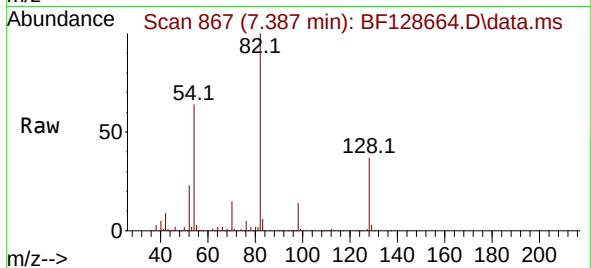
Acq: 03 Jun 2022 04:07

Instrument :

BNA_F

ClientSampleId :

20220429-AMENDED-COMPOSITE-I



Tgt Ion: 82 Resp: 60323

Ion Ratio Lower Upper

82 100

128 37.4 34.0 51.0

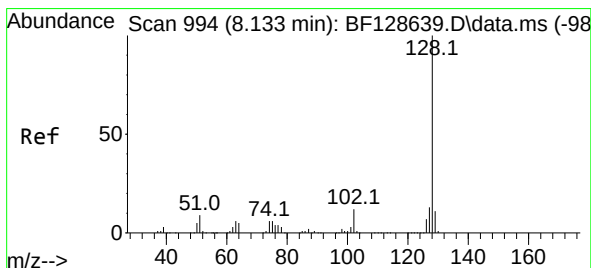
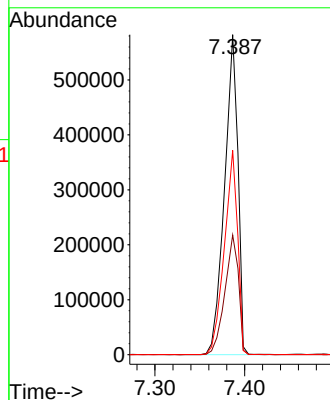
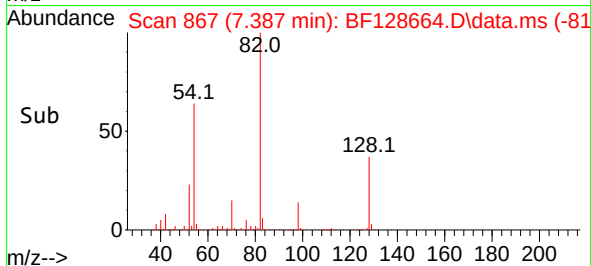
54 63.8 46.9 70.3

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Reviewed By :Christian Giraldo 06/03/2022

Supervised By :Jagrut Upadhyay 06/03/2022



#31

Naphthalene

Concen: 5.030 ng

RT: 8.128 min Scan# 993

Delta R.T. -0.006 min

Lab File: BF128664.D

Acq: 03 Jun 2022 04:07

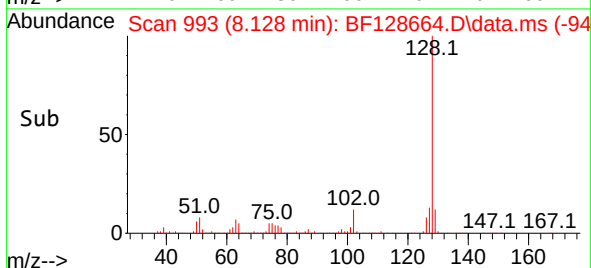
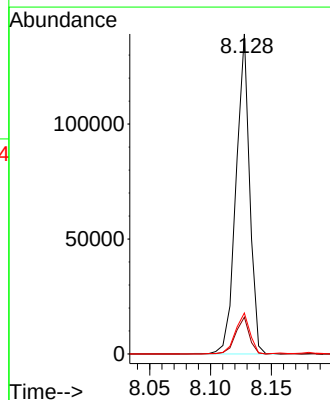
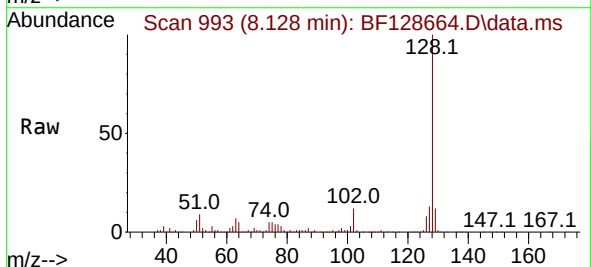
Tgt Ion:128 Resp: 107571

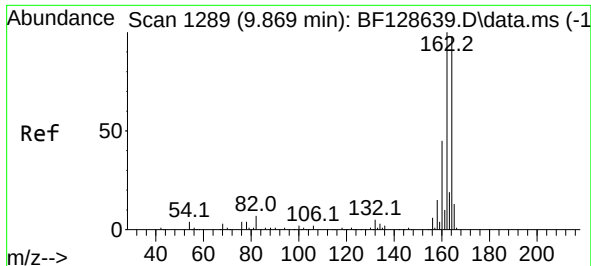
Ion Ratio Lower Upper

128 100

129 11.5 9.2 13.8

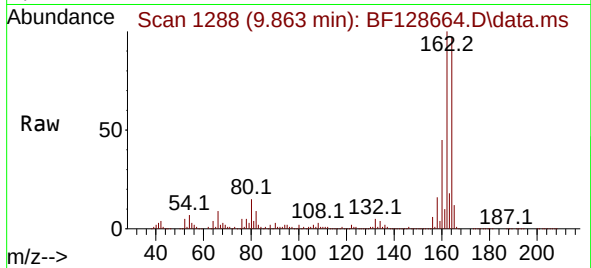
127 12.8 10.5 15.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BF128664.D
Acq: 03 Jun 2022 04:07

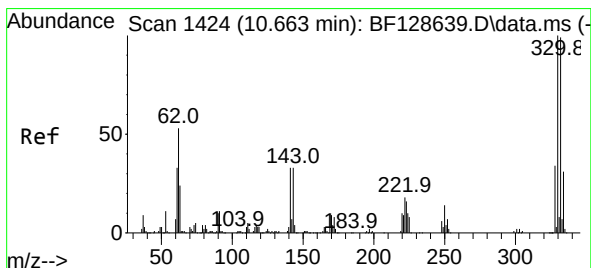
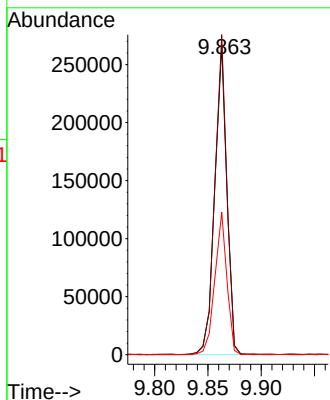
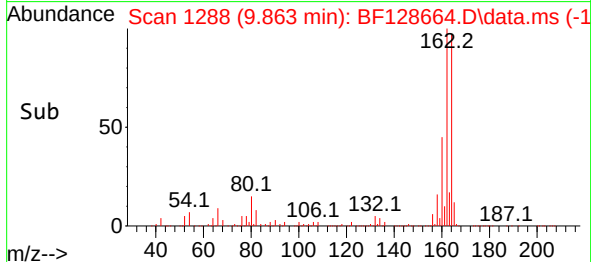
Instrument :
BNA_F
ClientSampleId :
20220429-AMENDED-COMPOSITE-I



Tgt Ion:164 Resp: 20965
Ion Ratio Lower Upper
164 100
162 103.5 79.5 119.3
160 46.2 34.2 51.4

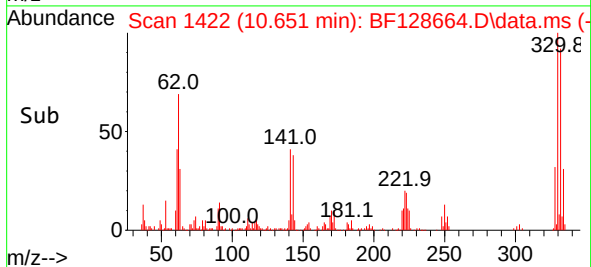
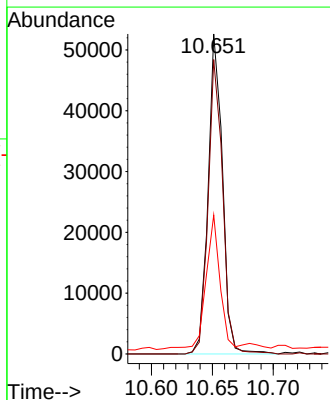
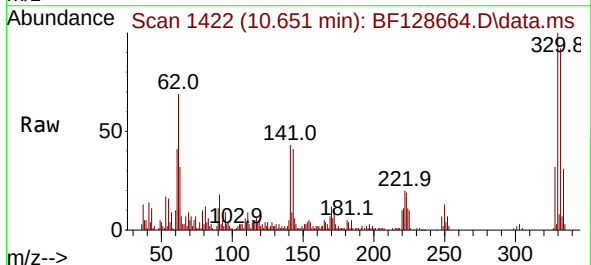
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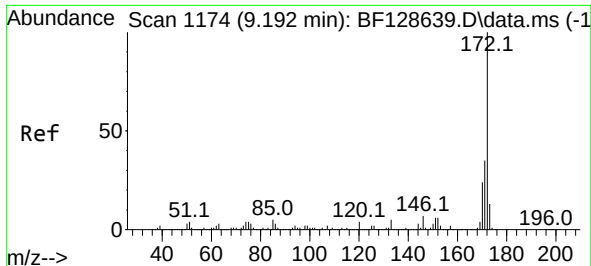
Reviewed By :Christian Giraldo 06/03/2022
Supervised By :Jagrut Upadhyay 06/03/2022



#42
2,4,6-Tribromophenol
Concen: 17.367 ng
RT: 10.651 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BF128664.D
Acq: 03 Jun 2022 04:07

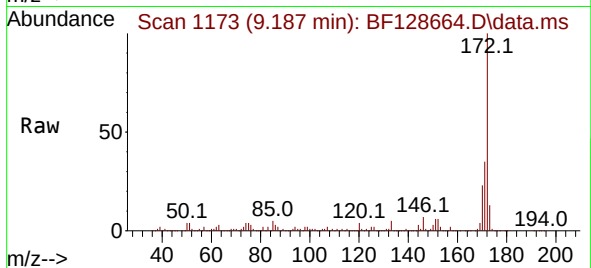
Tgt Ion:330 Resp: 43020
Ion Ratio Lower Upper
330 100
332 93.1 76.8 115.2
141 41.7 28.0 42.0





#45
2-Fluorobiphenyl
Concen: 60.698 ng
RT: 9.187 min Scan# 1173
Delta R.T. -0.005 min
Lab File: BF128664.D
Acq: 03 Jun 2022 04:07

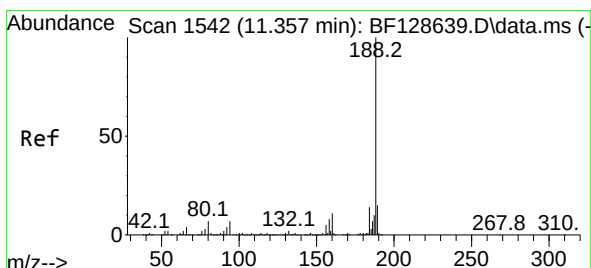
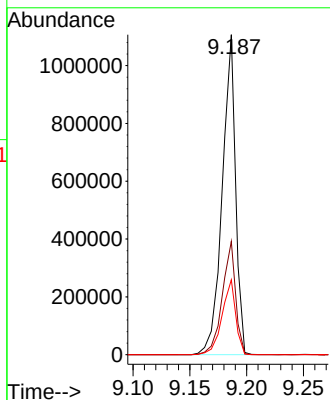
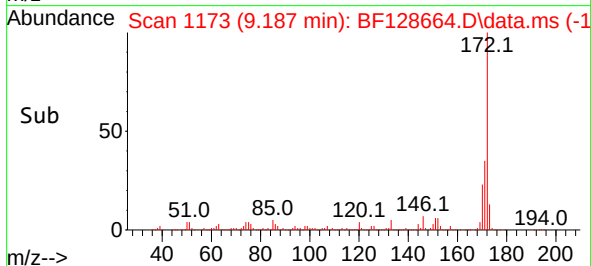
Instrument : BNA_F
ClientSampleId : 20220429-AMENDED-COMPOSITE-I



Tgt Ion:172 Resp: 90844
Ion Ratio Lower Upper
172 100
171 35.4 28.8 43.2
170 23.4 19.8 29.8

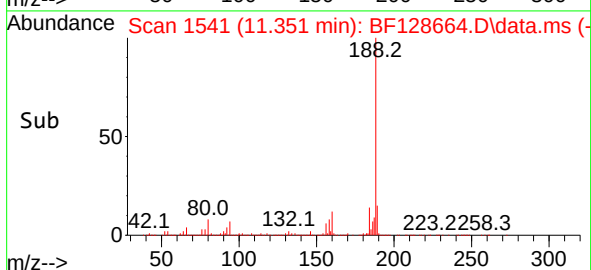
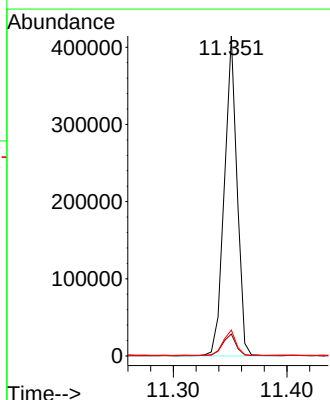
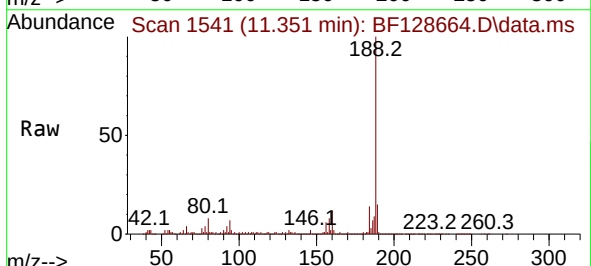
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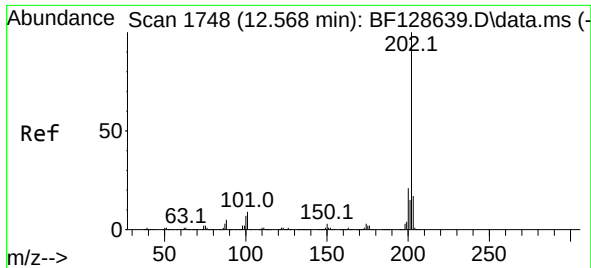
Reviewed By :Christian Giraldo 06/03/2022
Supervised By :Jagrut Upadhyay 06/03/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1541
Delta R.T. -0.006 min
Lab File: BF128664.D
Acq: 03 Jun 2022 04:07

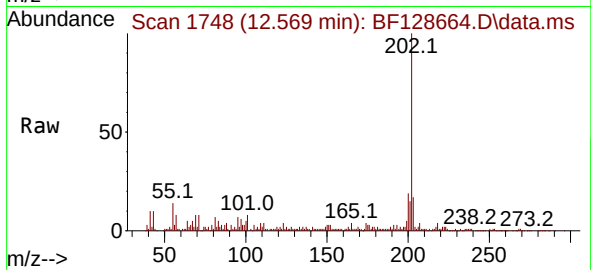
Tgt Ion:188 Resp: 323358
Ion Ratio Lower Upper
188 100
94 6.8 7.0 10.6#
80 8.1 7.6 11.4





#75
Fluoranthene
Concen: 3.497 ng
RT: 12.569 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF128664.D
Acq: 03 Jun 2022 04:07

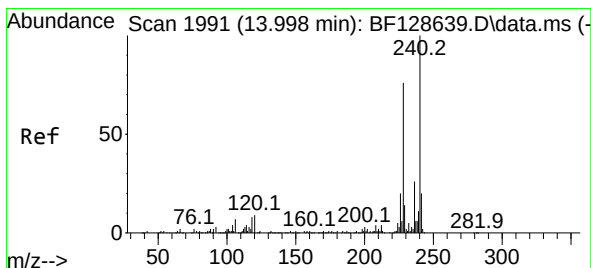
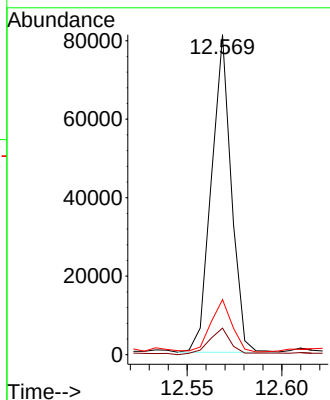
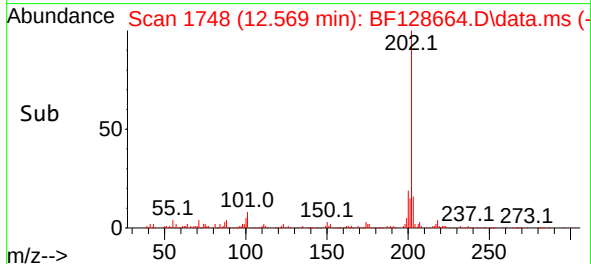
Instrument :
BNA_F
ClientSampleId :
20220429-AMENDED-COMPOSITE-I



Tgt Ion:202 Resp: 59279
Ion Ratio Lower Upper
202 100
101 8.3 0.0 31.4
203 17.2 0.0 38.0

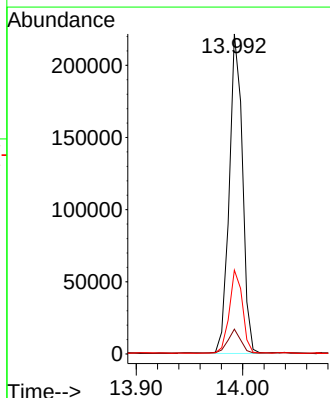
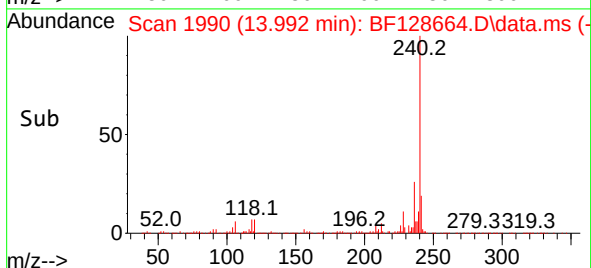
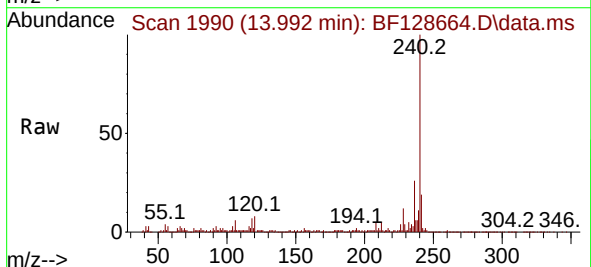
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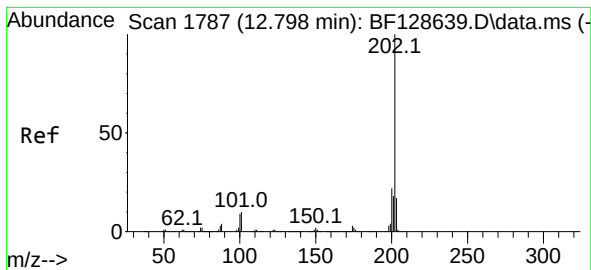
Reviewed By :Christian Giraldo 06/03/2022
Supervised By :Jagrut Upadhyay 06/03/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.992 min Scan# 1990
Delta R.T. -0.006 min
Lab File: BF128664.D
Acq: 03 Jun 2022 04:07

Tgt Ion:240 Resp: 191777
Ion Ratio Lower Upper
240 100
120 7.7 8.9 13.3#
236 26.2 20.8 31.2





#78

Pyrene

Concen: 4.652 ng

RT: 12.792 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF128664.D

Acq: 03 Jun 2022 04:07

Instrument :

BNA_F

ClientSampleId :

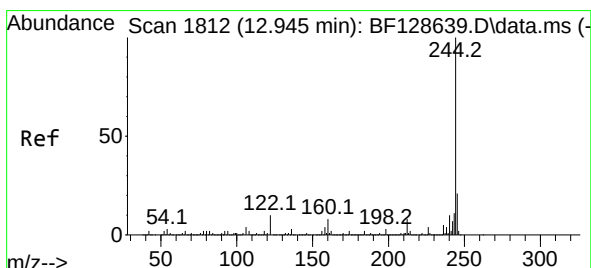
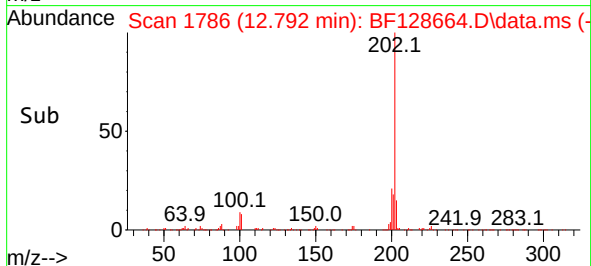
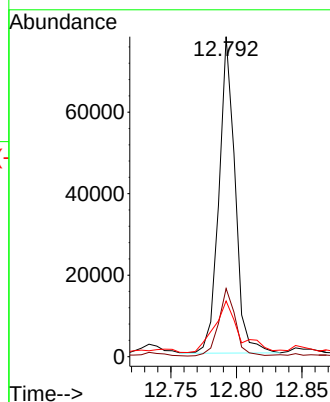
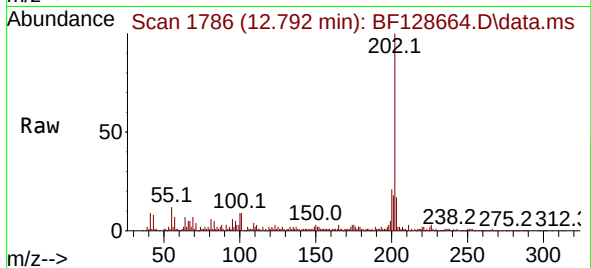
20220429-AMENDED-COMPOSITE-I

Tgt Ion:	202	Resp:	6637
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.7	26.5
203	17.4	14.6	21.8

Manual Integrations

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Reviewed By :Christian Giraldo 06/03/2022
Supervised By :Jagrut Upadhyay 06/03/2022



#79

Terphenyl-d14

Concen: 60.445 ng

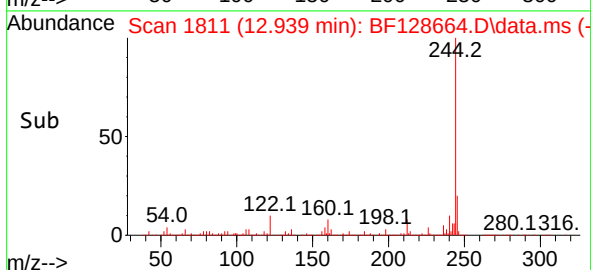
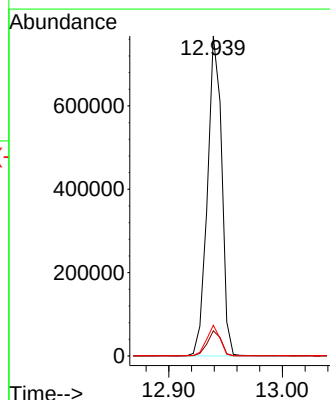
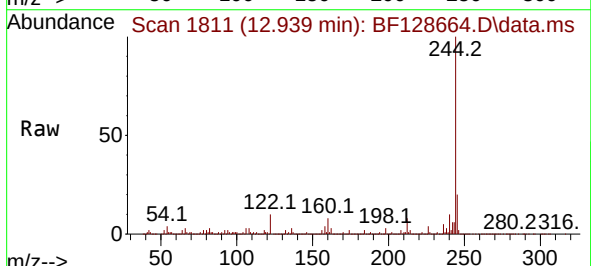
RT: 12.939 min Scan# 1811

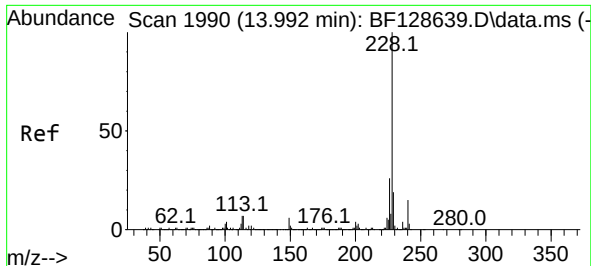
Delta R.T. -0.006 min

Lab File: BF128664.D

Acq: 03 Jun 2022 04:07

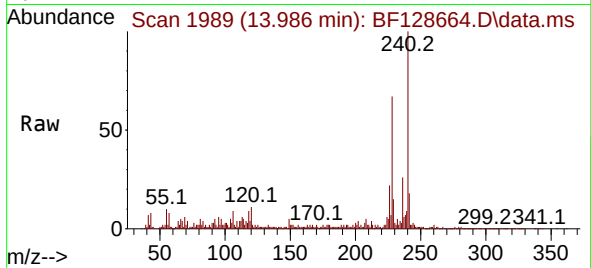
Tgt Ion:	244	Resp:	667115
Ion Ratio	Lower	Upper	
244	100		
212	7.9	6.1	9.1
122	9.6	8.8	13.2





#81
Benzo(a)anthracene
Concen: 5.463 ng
RT: 13.986 min Scan# 1989
Delta R.T. -0.006 min
Lab File: BF128664.D
Acq: 03 Jun 2022 04:07

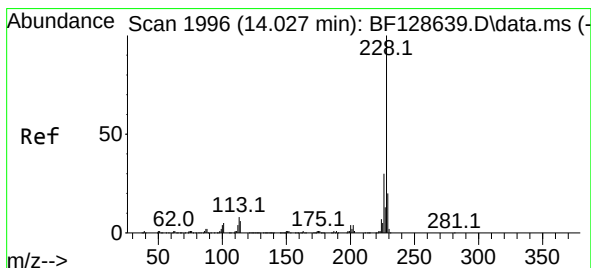
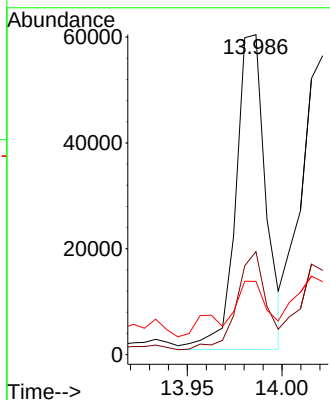
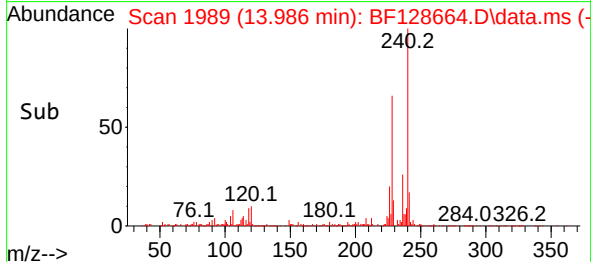
Instrument : BNA_F
ClientSampleId : 20220429-AMENDED-COMPOSITE-I



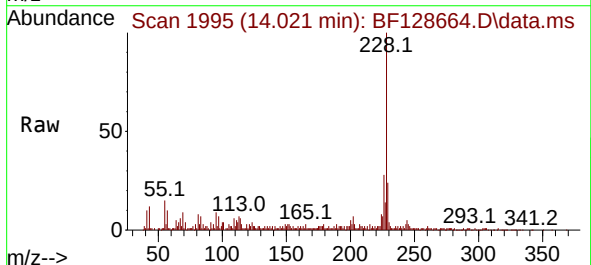
Tgt Ion:228 Resp: 65309
Ion Ratio Lower Upper
228 100
226 32.2 22.1 33.1
229 22.9 15.8 23.8

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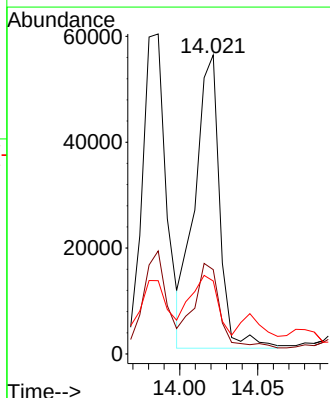
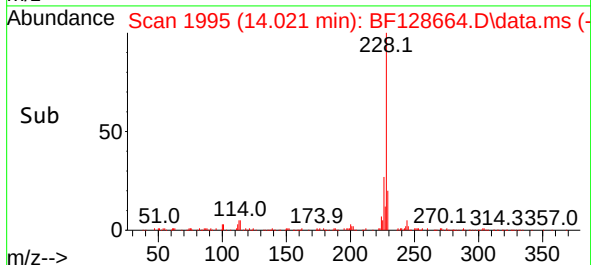
Reviewed By :Christian Giraldo 06/03/2022
Supervised By :Jagrut Upadhyay 06/03/2022

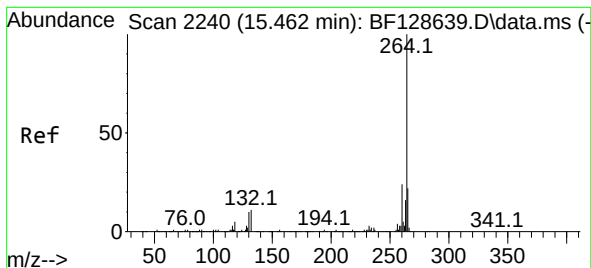


#83
Chrysene
Concen: 5.437 ng m
RT: 14.021 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BF128664.D
Acq: 03 Jun 2022 04:07



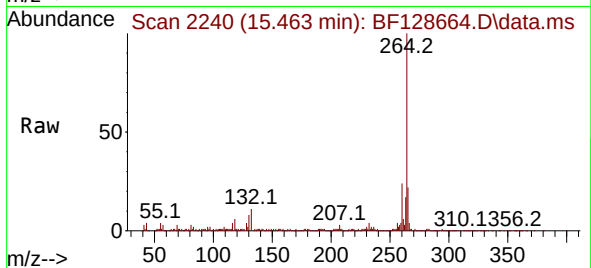
Tgt Ion:228 Resp: 61968
Ion Ratio Lower Upper
228 100
226 28.2 24.3 36.5
229 24.4 15.9 23.9#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 21
Delta R.T. 0.001 min
Lab File: BF128664.D
Acq: 03 Jun 2022 04:07

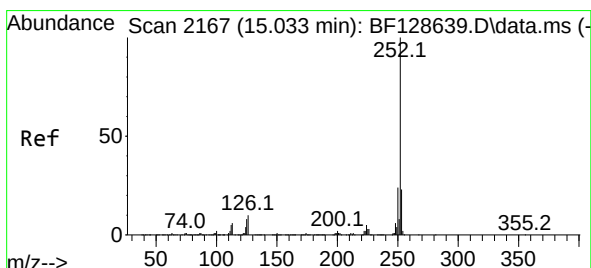
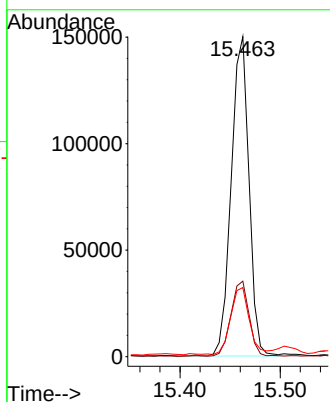
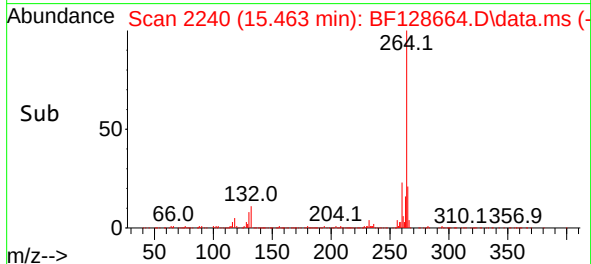
Instrument :
BNA_F
ClientSampleId :
20220429-AMENDED-COMPOSITE-I



Tgt Ion:264 Resp: 18491
Ion Ratio Lower Upper
264 100
260 23.6 18.4 27.6
265 21.6 17.2 25.8

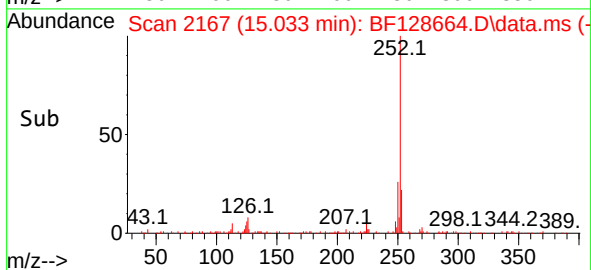
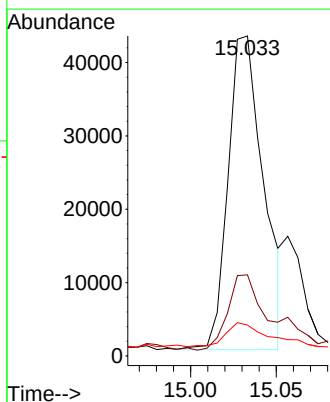
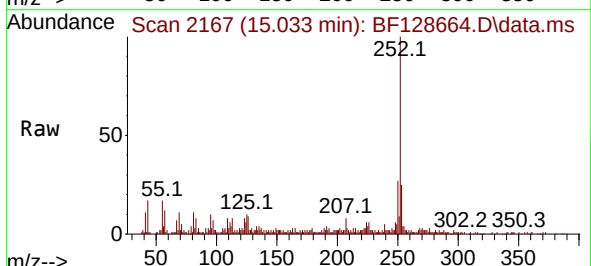
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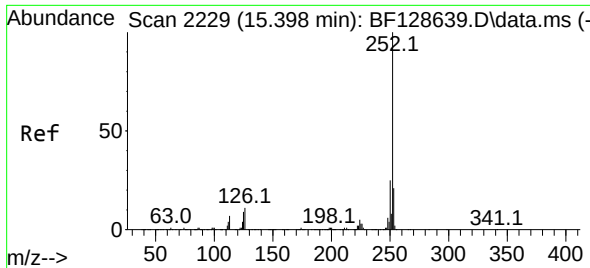
Reviewed By :Christian Giraldo 06/03/2022
Supervised By :Jagrut Upadhyay 06/03/2022



#88
Benzo(b)fluoranthene
Concen: 5.221 ng m
RT: 15.033 min Scan# 2167
Delta R.T. 0.000 min
Lab File: BF128664.D
Acq: 03 Jun 2022 04:07

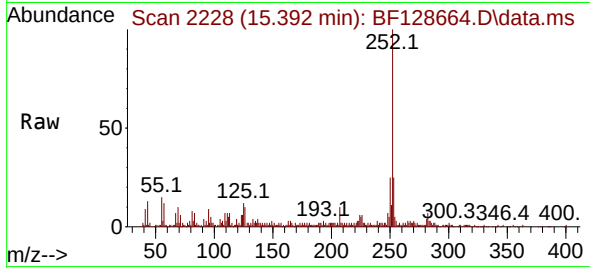
Tgt Ion:252 Resp: 61684
Ion Ratio Lower Upper
252 100
253 25.3 17.7 26.5
125 9.7 8.0 12.0





#90
Benzo(a)pyrene
Concen: 5.309 ng
RT: 15.392 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF128664.D
Acq: 03 Jun 2022 04:07

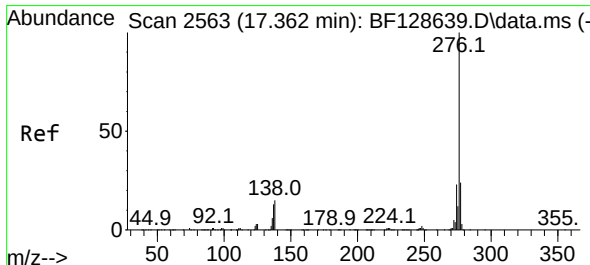
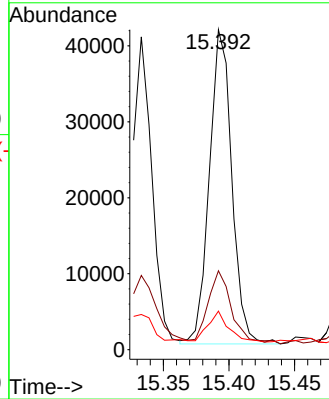
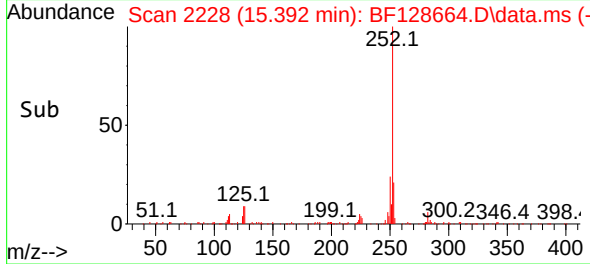
Instrument :
BNA_F
ClientSampleId :
20220429-AMENDED-COMPOSITE-I



Tgt Ion:252 Resp: 4930
Ion Ratio Lower Upper
252 100
253 24.7 17.0 25.6
125 12.0 8.8 13.2

Manual Integrations
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Reviewed By :Christian Giraldo 06/03/2022
Supervised By :Jagrut Upadhyay 06/03/2022



#92
Benzo(g,h,i)perylene
Concen: 2.282 ng
RT: 17.345 min Scan# 2560
Delta R.T. -0.018 min
Lab File: BF128664.D
Acq: 03 Jun 2022 04:07

Tgt Ion:276 Resp: 20911
Ion Ratio Lower Upper
276 100
277 25.8 19.1 28.7
138 19.5 18.0 27.0

